



# CITY OF CHANDLER, ARIZONA

## Chandler Heights Rd Improvements

### (Gilbert Rd to Val Vista Dr)

### PROJECT NO. ST1804.401

### FEDERAL PROJECT NO. CHN-0(244)D

### ADOT PROJECT NO. T0203 01C

### DATE: MARCH 2024

**MAYOR**  
KEVIN HARTKE

**VICE MAYOR**  
MATT ORLANDO

**COUNCIL**  
CHRISTINE ELLIS  
ANGEL ENCINAS  
OD HARRIS  
JANE POSTON  
MARK STEWART

**APPROVED:**

*Daniel Haskins*  
PUBLIC WORKS & UTILITIES DIRECTOR  
CIVIL18-0168  
Daniel Haskins  
DATE

CITY ENGINEER  
DATE

*Daniel Haskins*  
CITY TRANSPORTATION ENGINEER  
4/24/2024, 8:55:34 AM  
CIV18-0168  
Daniel Haskins  
DATE

*Mustafa Muradovich*  
CIVIL PLAN REVIEW MANAGER  
4/23/2024, 12:17:58 PM  
CIV18-0168  
Mustafa Muradovich  
Digitally signed by Mustafa Muradovich  
DN: cn=Mustafa Muradovich, o=City of Chandler, ou=City of Chandler, email=mmuradovich@chandler.gov, c=US  
3-20-2024  
DATE

MARICOPA COUNTY ENVIRONMENTAL SERVICE DEPARTMENT  
(DWR-24-00180)  
N/A  
MARICOPA COUNTY ENVIRONMENTAL SERVICE DEPARTMENT  
(SANITARY SEWER)  
N/A  
DATE

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
(AS REQUIRED)  
DATE

APPROVED FOR COORDINATION - LINDSAY RD IMPROVEMENTS CIV22-0111

*Quinn C. Woodleaf*  
REGISTERED CIVIL ENGINEER SIGNATURE  
DATE

AS-BUILT CERTIFICATION: I HEREBY CERTIFY THAT THE "AS-BUILT" INFORMATION AS SHOWN HEREON WAS MADE UNDER MY SUPERVISION, OR AS NOTED, AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR SIGNATURE PRINTED NAME DATE  
REGISTRATION NO. EXPIRATION DATE

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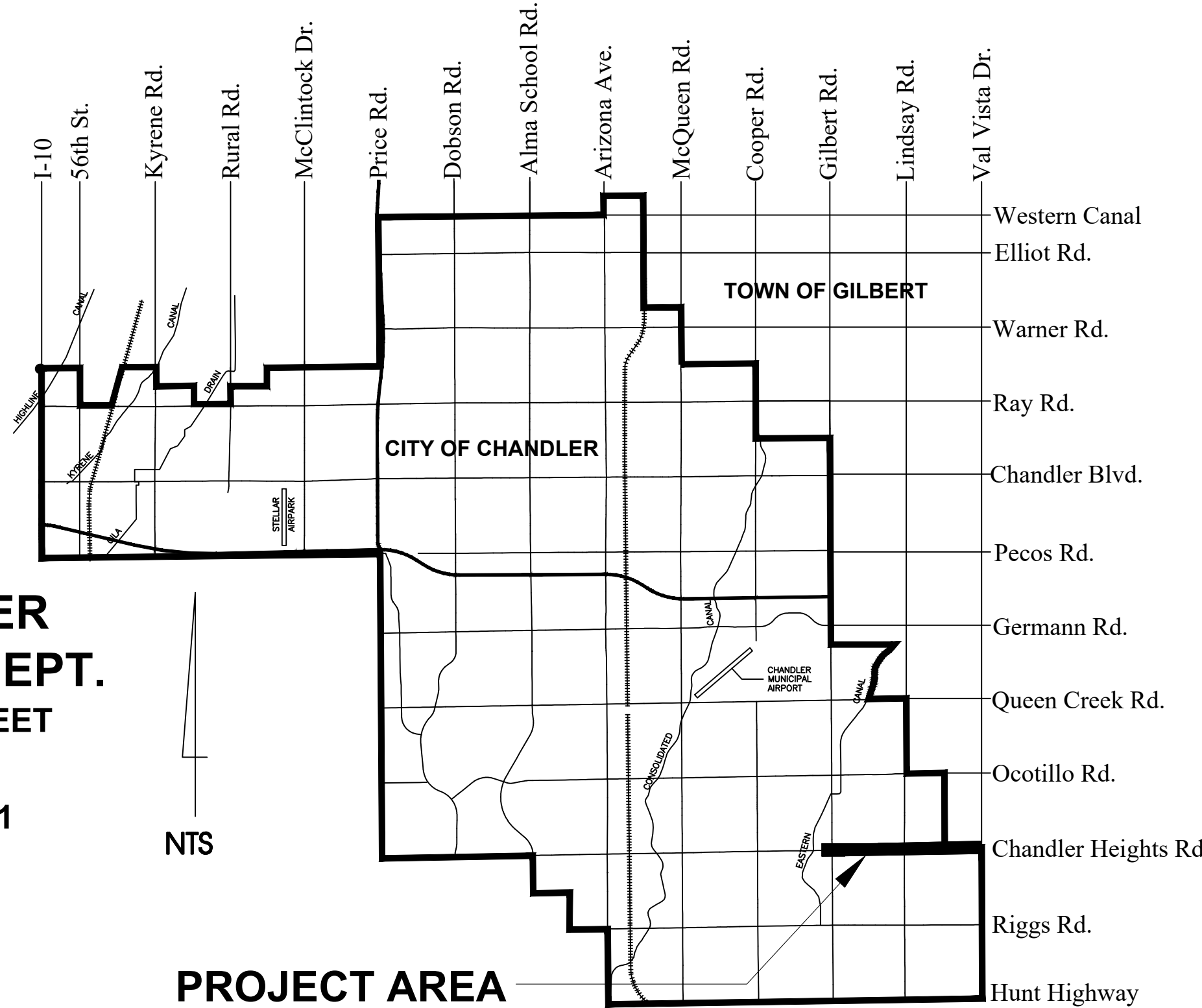
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IN ACCORDANCE WITH ARIZONA ADMINISTRATIVE CODE (A.A.C) R18-4-213, ALL MATERIALS INSTALLED AFTER JANUARY 1, 1993, WHICH MAY COME INTO CONTACT WITH DRINKING WATER, SHALL CONFORM TO NATIONAL SANITATION FOUNDATION STANDARDS 60 AND 61.

UTILITY COMPANY	UTILITY CONTACTS	DATE SUBMITTED
LUMEN	LANCE HOLJE	MARCH 2024
COX	RYAN KANN	MARCH 2024
SRP POWER	VINCE SILVESTRO	MARCH 2024
SOUTHWEST GAS	GENE FLOREZ	MARCH 2024
RWCD	TABATHA LANGLAND	MARCH 2024
TOWN OF GILBERT	TOM CONDIT	MARCH 2024



**CITY OF CHANDLER  
PUBLIC WORKS DEPT.**  
215 EAST BUFFALO STREET  
CHANDLER, AZ 85225  
PHONE NO. (480) 782-3331

### VICINITY MAP

GRADE CERTIFICATION: THE FOLLOWING IS A CERTIFICATION THAT THIS GRADING PLAN IS IN COMPLIANCE WITH THE GRADE REQUIREMENTS OF THE SOILS REPORT PREPARED BY RAMM ENGINEERING, 3/28/2022.

REGISTERED CIVIL ENGINEER SIGNATURE PRINTED NAME DATE  
REGISTRATION NO. EXPIRATION DATE

FINISHED GRADE CERTIFICATION: THE FOLLOWING IS A CERTIFICATION THAT THE FINISH GRADES SHOWN OR AS-BUILT ON THIS GRADING PLAN ARE IN COMPLIANCE WITH THE SOILS REPORT PREPARED BY RAMM ENGINEERING, 3/28/2022.

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SETBACK CERTIFICATION: I HEREBY CERTIFY THAT THE SETBACKS TO THE NEAR FACE OF UTILITY POLES, STRUCTURES AND OTHER SIMILAR FACILITIES GREATER THAN 18 INCHES IN HEIGHT ARE SHOWN TO BE 5.5 FEET BACK OF CURB AND 1 FOOT FROM SIDEWALKS. IN CASES WHERE THE FACILITIES ARE ADJACENT TO A DECELERATION LANE OR BUS BAY, THE SETBACK MAY BE REDUCED TO 2.5 FEET BACK OF CURB.

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**ROOSEVELT WATER CONSERVATION DISTRICT**

CHECKING IS ONLY FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN. ANY ACTION SHOWN IS SUBJECT TO THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE; FABRICATION, PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATION OF HIS WORK WITH THAT OF ALL OTHER TRADES; THE SATISFACTORY PERFORMANCE OF HIS WORK. THE DISTRICT'S REVIEW OF THE PLANS IS A VOLUNTARY AND DISCRETIONARY ACTION WHICH IS NOT MANDATED BY STATE STATUTE. THE DISTRICT'S REVIEW OF THE PLANS IS SOLELY FOR THE DISTRICT'S BENEFIT, CONDUCTED WITH ONLY THE DISTRICT'S INTEREST IN MIND, AND SHOULD NOT BE RELIED UPON BY ANY THIRD PARTY. BY REVIEWING THE PLANS THE DISTRICT DOES NOT ASSUME ANY DUTY TO THIRD PARTIES.

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RWCD: \_\_\_\_\_ DATE: \_\_\_\_\_

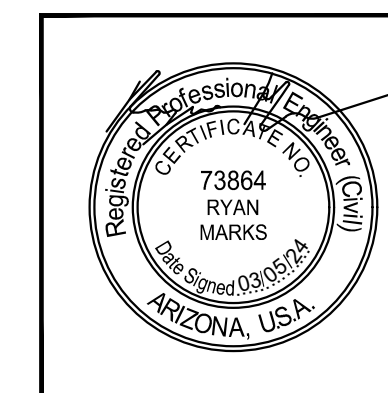
**UTILITY JOB DESCRIPTION**

SRP/APS JOB ORDER NUMBER: SRP JOB # T3129125  
DDC/DESIGNERS: MELISSA MONTEFALCON  
JOB NAME: CUS UE BA CHANDLER HEIGHTS RD IMPROV - GILBERT RD TO VAL VISTA DR CONV  
JOB ADDRESS: CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR

TYPE (HYPE, LED, OTHER): \_\_\_\_\_  
NEW OR EXISTING CABINET: \_\_\_\_\_  
EXISTING CABINET NUMBER: \_\_\_\_\_  
CONSUMPTION (SYSTEM WATTS): \_\_\_\_\_

**DATE: MARCH 2024**  
**STATUS: FINAL SUBMITTAL**

REV. NO.	DATE	DRWN	CHKD	REMARKS



**Kimley»Horn**

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7740 N. 16th STREET, SUITE 300, PHOENIX, AZ 85020  
PHONE: 602-944-5500 FAX: 602-944-7423  
WWW.KIMLEY-HORN.COM

Plotted By: hcoath, Julia (Srinivas), Sheet: Sct-Chandler-Heights Rd-ST1804-Layout-CV01-March 19, 2024, 08:44:34am K:\PHY\_Bocook\191466010-Chandler-Heights Rd-Gilbert to Val Vista\Coord\12-Sheets\191466010\_CV01.dwg

CHANDLER HEIGHTS RD IMPROVEMENTS PROJECT NO. ST1804.401 FINAL SUBMITTAL (MARCH 2024)



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MARK STEWART

APPROVED:

PUBLIC WORKS & UTILITIES DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_

CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

CITY TRANSPORTATION ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

CIVIL PLAN REVIEW MANAGER \_\_\_\_\_ DATE \_\_\_\_\_

MARICOPA COUNTY ENVIRONMENTAL SERVICE DEPARTMENT (DWR-24-00180) \_\_\_\_\_ DATE 3-20-2024

N/A \_\_\_\_\_ DATE \_\_\_\_\_

MARICOPA COUNTY ENVIRONMENTAL SERVICE DEPARTMENT (SANITARY SEWER) \_\_\_\_\_ DATE \_\_\_\_\_

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY (AS REQUIRED) \_\_\_\_\_ DATE \_\_\_\_\_

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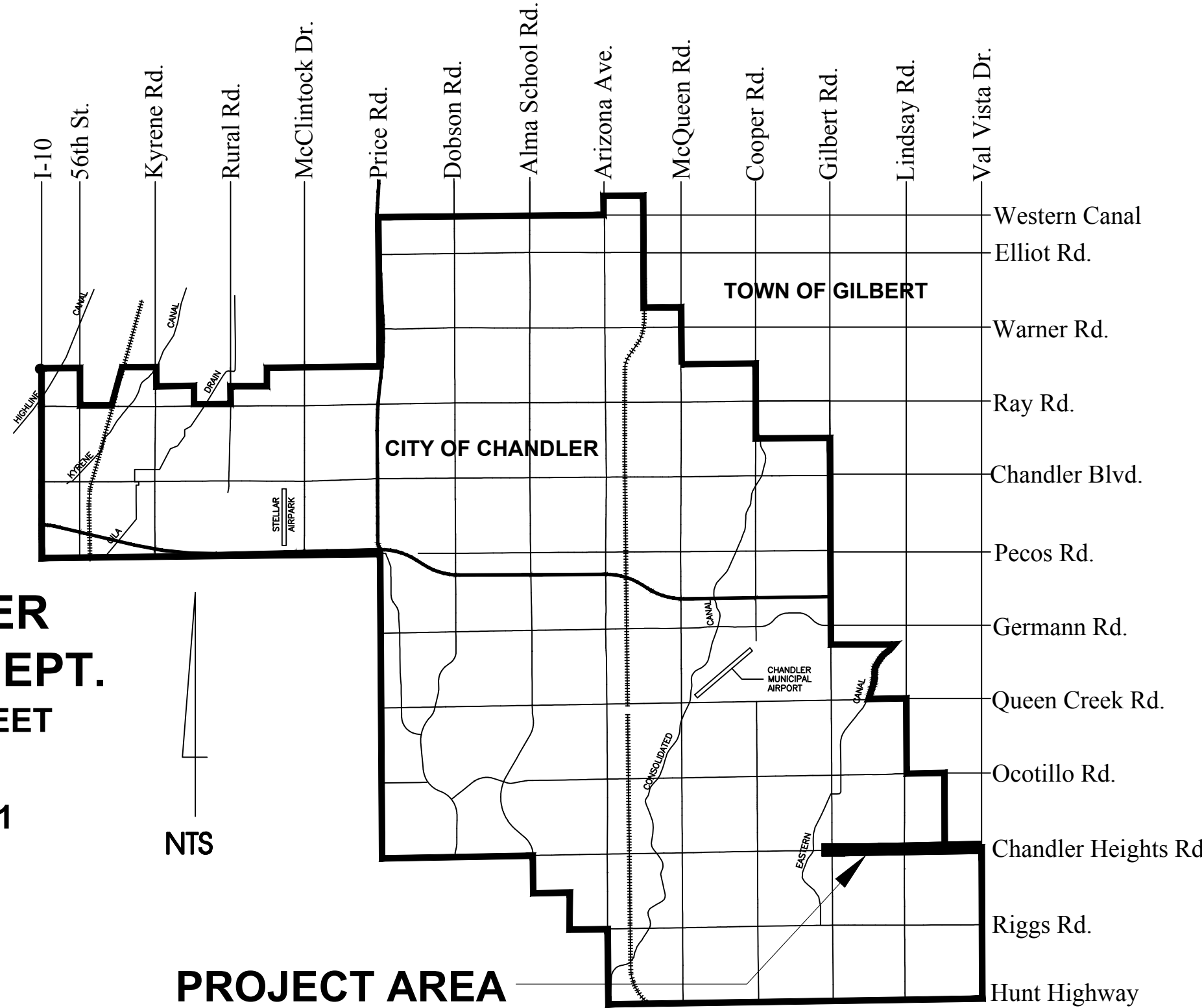
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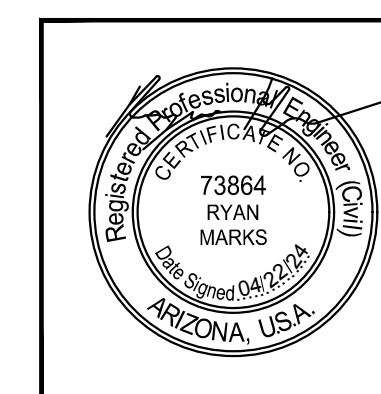
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P:\2024\1804\1804\_01C\1804\_01C.dwg Plot: 1804\_01C.dwg Plot Date: 4/22/2024 10:41:21am K:\P\2024\1804\1804\_01C\1804\_01C.dwg

CHANDLER HEIGHTS RD IMPROVEMENTS PROJECT NO. ST1804.401 FINAL SUBMITTAL (APRIL 2024)

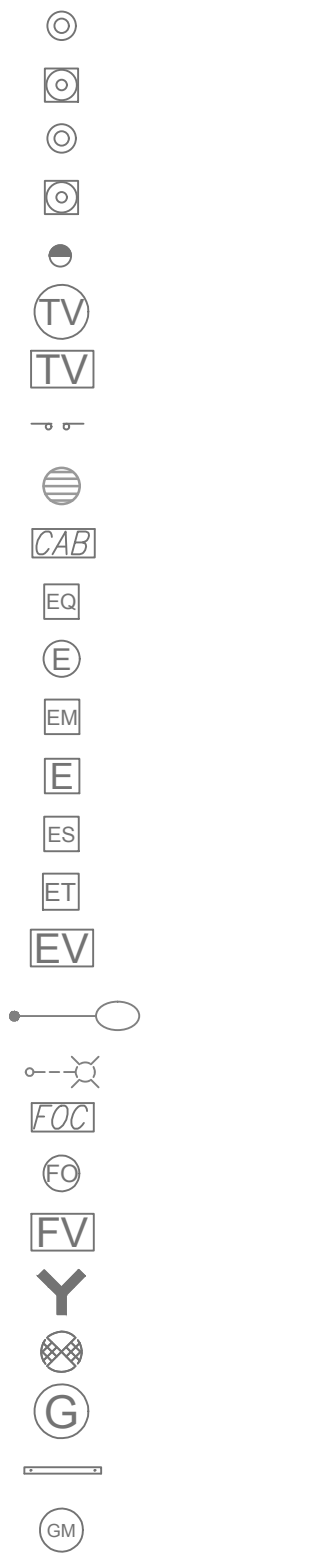
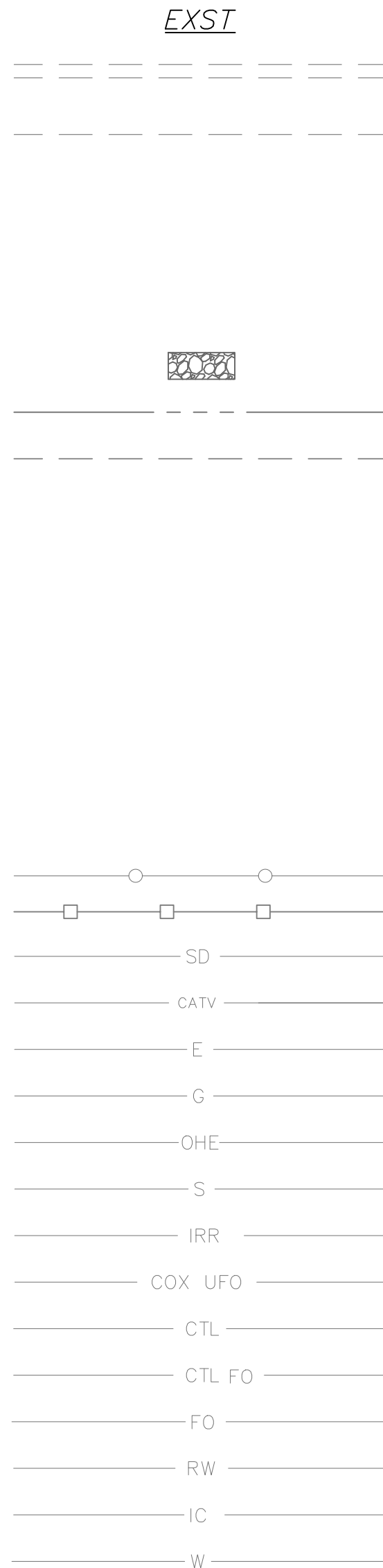
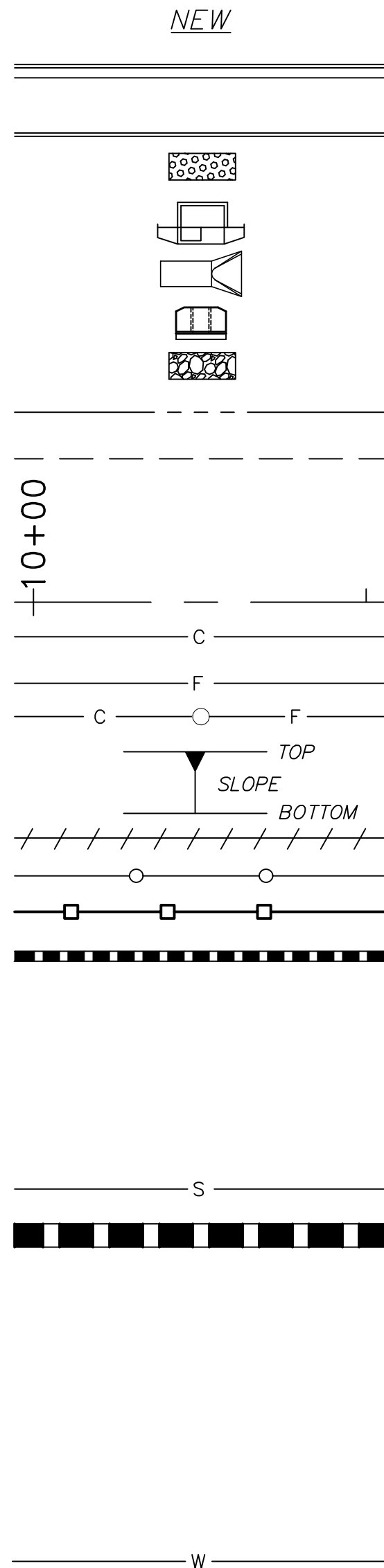




Plotted: Ex:VanGerpen, Hannah, Street: Set: CHANDLER HEIGHTS RD IMPROVEMENTS, Layout: 4, LND1 - March 04, 2024, 06:14:11pm, K:\PHX\_Roadway\191466010-Change-Heights-Rd-CILBERT to Val\_Vista\Cadd\12-Sheets\191466010\_LND1.dwg

ACRONYM / ABBREVIATION DESCRIPTIONS  
NOTE: All abbreviations listed below are not within the standard MAG abbreviations and definitions in Section 101 of specifications

- A.A.C. Arizona Administrative Code
- AP Angle Point
- APN Assessor Parcel Number
- BC Back Of Curb
- BCFL Brass Cap Flush
- BCHH Brass Cap Handhole
- BVC Begin Vertical Curve
- BW Back Of Walk
- C&G Curb & Gutter
- C.I.P. Capital Improvement Project
- C Centerline
- CLSM Controlled Low Strength Material
- COC City of Chandler
- Const or CST Construction
- Comm Communication
- DCVA Double Check Valve Assembly
- DE Drainage Easement
- Dtl Detail
- EA Each
- Elev Elevation
- EOP Edge Of Pavement
- Esmt Easement
- Exist or Exst Existing
- EVC End Vertical Curb
- EVAC East Valley Asphalt Committee
- FC or F/C Face Of Curb
- FL Flow Line
- Ft Feet
- HDPE High Density Polyethylene
- Irr Irrigation
- L Curve Length
- M Monument Line
- Mkr Marker
- P Pavement Elevation
- PCC Point of Compound Curve
- P Property Line
- POB Point of Beginning
- POE Point of Ending
- PVC Polyvinyl Chloride
- PVCC Point Of Vertical Compound Curve
- PVI Point Of Vertical Intersection
- PVRC Point Of Vertical Reverse Curve
- PVT Point Of Vertical Tangent
- Rev Revision
- RPZ Runway Protection Zone
- RW Reclaimed Water
- RWCD Roosevelt Water Conservation District
- SEC Section
- Shldr Shoulder
- Shts Sheets
- Sq Square
- SRP Salt River Project
- SS Sanitary Sewer
- St Street
- STK Profile Staking Point
- Swk or Sidewalk
- TC Top Of Curb
- TC-HP S/W Top Of Curb - High Point
- TC-LP Top Of Curb - Low Point
- TCE Temporary Construction Easement
- TDE Temporary Drainage Easement
- Tele Telephone
- Temp Temporary
- UG Underground
- VC Vertical Curb
- VNAE Vehicular Non Access Easement
- W Width
- Xing Crossing



SYMBOL DESCRIPTION

Vertical Curb And Gutter

Single Vertical Curb

Detectable Warning Strip 2'x5' (min)

Catch Basin

Storm Drain End Section

Scupper

Riprap

Right-of-way Line

Easement Line

Centerline And Station

Cut Slope

Fill Slope

Cut To Fill Transition

Slope Line

Sawcut

Fence

Block Wall

Storm Drain Pipe

Cox Cable Television Line (Fiber Optic)

Underground Electric

Natural Gas Line

Overhead Utilities

Sanitary Sewer Line

Irrigation Line

Cox Underground Fiber Optic

CenturyLink Line

CenturyLink Line Fiber Optic

Fiber Optic

Reclaimed Water Line

Interconnect Line

Water Line

Tailwater Ditch

Aluminum Cap Flush

Aluminum Cap in Hand Hole

Brass Cap Flush

Brass Cap in Hand Hole

Bollard

Cable Television Manhole

Cable Television Vault

Double Sign

Drywell

Electrical Cabinet

Electrical Equipment

Electrical Manhole

Electrical Meter

Electrical Pull Box

Electrical Switch

Electrical Transformer

Electrical Vault

Existing LED Fixture As Per Project 18240

Existing Street Light

Fiber Cabinet

Fiber Manhole

Fiber Vault

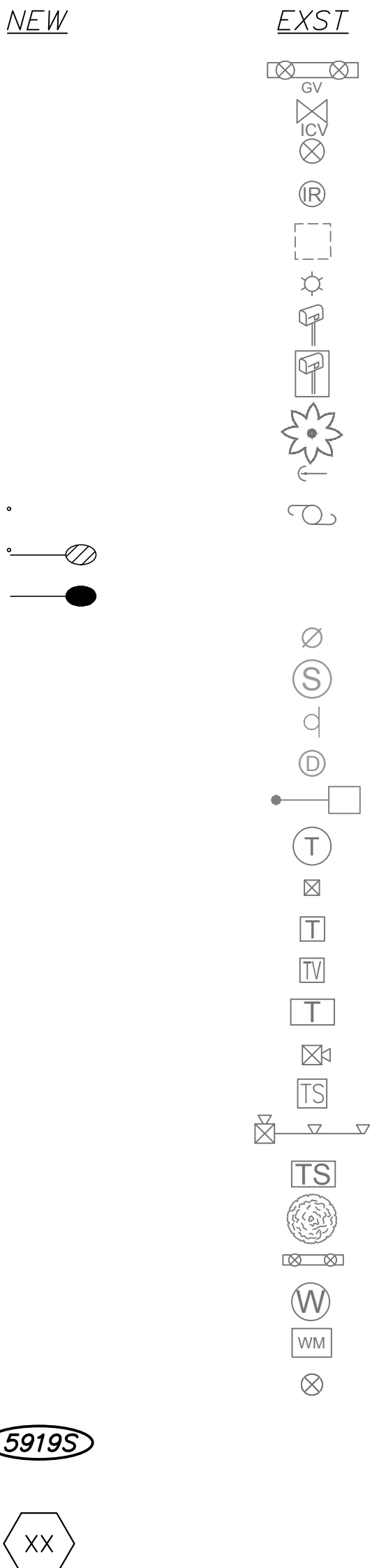
Fire Dept Connection

Fire Hydrant

Gas Manhole

Gas Marker

Gas Meter



SYMBOL DESCRIPTION

Gas Pressure Reducer

Gas Valve

Irrigation Control Valve

Irrigation Manhole

Irrigation Structure

Light Post

Mailbox

Combined Mailbox

Palm Tree

Power Down Guy

Power Pole

Proposed LED Street Light - Distribution Type II

Proposed LED Street Light - Distribution Type III

Sanitary Sewer Cleanout

Sanitary Sewer Manhole

Sign

Storm Drain Manhole

Street Light Installed By Developer

Telephone Manhole

Telephone Pedestal

Telephone Pull Box

Telephone Riser

Telephone Vault

Traffic Signal

Traffic Signal Pull Box

Traffic Signal with Mast

Traffic Signal Vault

Tree

Water Backflow Preventer

Water Manhole

Water Meter

Water Valve

Retention Basin Identifier

Storm Drain System Number  
(See GD Sheets)

5919S

XX

SCALE (H):	N/A	SCALE (V):	N/A
DESIGNED BY:	RSM	DRAWN BY:	DLR
CHECKED BY:	CCW	DATE:	03/2024

**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**LEGEND AND ABBREVIATIONS**

CITY PROJECT NO. ST1804.401  
 FEDERAL NO. CHN-0(244)D  
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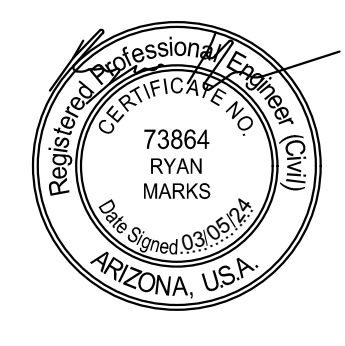
SHEET DWG LN01  
 4 OF 135



NO.	REVISIONS	DATE	BY

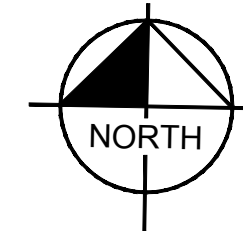
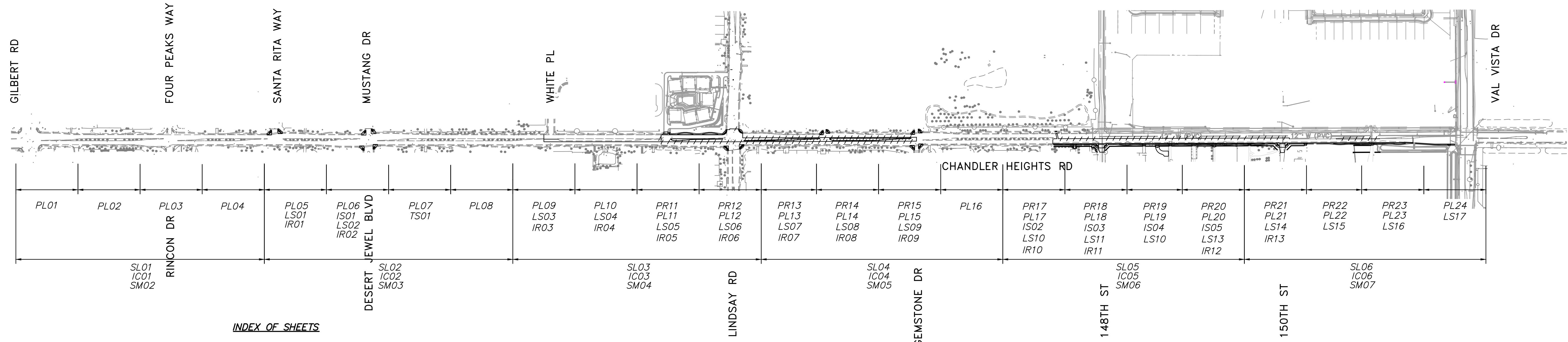
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C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: Xx KM01 - March 04, 2024 - 06:15:34pm - K:\PHX\_Roadway\19146601D-Chandler Heights Rd-Gilbert to Val Vista\Cadd\12-Sheets\19146601D\_KM01.dwg



**INDEX OF SHEETS**

SHEET NO.	SHEET NAME	DESCRIPTION
1	CV01	COVER SHEET
2	GN01	GENERAL NOTES
3	GN02	RWCD GENERAL NOTES
4	LN01	LEGEND AND ABBREVIATIONS
5	KM01	KEY MAP & INDEX OF SHEETS
6	GC01	GEOMETRIC CONTROL SHEET
7-8	TX01 - TX02	TYPICAL SECTIONS
9	PV01	OVERALL PAVING LIMITS
10-45	PL01 - PL24	CHANDLER HEIGHTS RD PAVING PLAN & PROFILE SHEETS
46-49	SW01 - SW04	SIDEWALK RAMP DETAIL SHEETS
50-51	SW05 - SW06	SIDEWALK GEOMETRY SHEETS
52-53	DTL01 - DTL02	WALL STRUCTURAL DETAILS
54-55	SD01 - SD02	STORM DRAIN PROFILES
56	CP01	CONNECTOR PIPE PROFILES
57	DR01	DRAINAGE DETAILS
58	UT DT01	UTILITY DETAIL
59-65	SM01 - SM07	SIGNING AND MARKING PLAN SHEETS
66-69	TS01 - TS04	TRAFFIC SIGNAL PLAN
70-76	IC01 - IC07	TRAFFIC INTERCONNECT PLAN SHEETS
77-83	SL00 - SL06	STREET LIGHTING PLAN SHEETS
84-86	PI01 - PI03	PRIVATE IRRIGATION SHEETS
87-92	IS01 - IS06	PLANT INVENTORY SHEETS
93-95	LSGN1 - LSGN3	LANDSCAPE NOTES SHEETS
96-112	LS01 - LS17	CHANDLER HEIGHTS RD LANDSCAPE PLAN SHEETS
113-114	LSDT01 - LSDT02	LANDSCAPE DETAILS SHEETS
115-123	IR01 - IR09	CHANDLER HEIGHTS RD IRRIGATION PLAN SHEETS
124-125	IRDT01 - IRDT02	IRRIGATION DETAILS SHEETS
126	ECCV	EROSION CONTROL COVER
127-130	ECDT01 - ECDT04	ESCP INDEX
131-135	EC01 - EC05	EROSION CONTROL PLAN

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SCALE (H): N/A  
 SCALE (V): N/A  
 DESIGNED BY: RSM  
 DRAWN BY: DLR  
 CHECKED BY: CCW  
 DATE: 03/2024

CITY OF CHANDLER  
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 KEY MAP & INDEX OF SHEETS

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 SHEET DWG KM01  
 5 OF 135

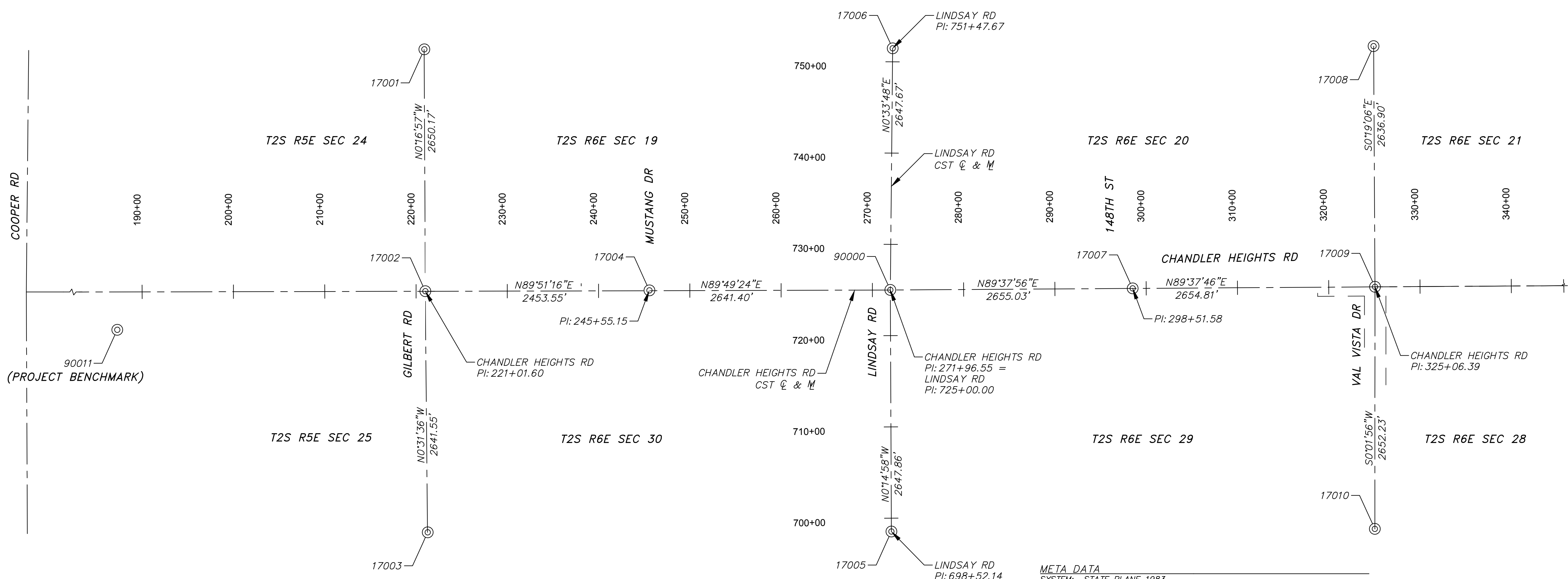
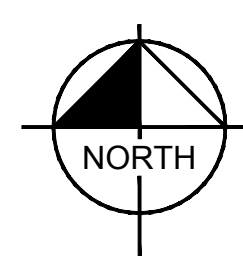


NO.	REVISIONS	DATE	BY

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

SURVEY CONTROL POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
17001	815249.0487	738897.2509		BCFL TOWN OF GILBERT
17002	812598.9147	738910.3209		BCHH MARICOPA COUNTY HWY DEPT
17003	809957.4811	738934.5988		BCHH CITY OF CHANDLER
17004	812605.1477	741363.8584	1266.404	BCFL CITY OF CHANDLER
17005	809965.4524	744016.7728	1268.294	BCHH CITY OF CHANDLER
17006	815260.8255	744031.2872	1272.976	BCFL CITY OF CHANDLER

SURVEY CONTROL POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
17007	812630.3240	746660.2280	1280.226	BCHH MARICOPA COUNTY DOT RLS 33310
17008	815284.3553	749300.3241	1288.646	BCHH MARICOPA COUNTY DOT RLS 33310
17009	812647.4995	749314.9794	1285.971	BCHH TOWN OF GILBERT 2013
17010	809995.2742	749313.4832	1282.929	DESTROYED 1 1/2 ALUM CAP
90000	812613.2860	744055.2500	1273.192	BCFL
90011	812512.3929	733924.7544	1244.489	BCFL PROJECT BENCHMARK



**PROJECT BENCHMARK**  
 CITY OF CHANDLER BENCHMARK 49 (POINT 90011),  
 A 3" CITY OF CHANDLER BRASS CAP FLUSH, 300' EAST OF THE  
 INTERSECTION OF COOPER ROAD & CHANDLER HEIGHTS ROAD, 12.5' SOUTH OF  
 THE EDGE OF PAVEMENT.  
 ELEV. 1244.49' NAVD-88 (812512.393, 733924.754)

**HORIZONTAL DATUM**  
 ARIZONA STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE 0202, VALUES  
 BASED ON NORTH AMERICAN DATUM OF 1983.

ALL COORDINATES AND DISTANCES ARE IN GROUND, WITH A  
 GROUND ADJUSTMENT FACTOR OF 1.00016.

**META DATA**  
 SYSTEM: STATE PLANE 1983  
 ZONE: ARIZONA CENTRAL 0202  
 HORIZONTAL DATUM: NAD 1983  
 GEOID MODEL: ARIZONA GEOID 12b  
 VERTICAL DATUM: NAVD 88  
 UNITS: INTERNATIONAL FEET  
 GAF: 1.00016  
 SCALE ORIGIN POINT: 20581-1M (90000)  
 SOURCE: GDACS CONTROL POINT  
 NORTHING (Y): 812,613.286  
 EASTING (X): 744,005.250  
 BASIS OF BEARINGS: NORTH 89° 49' 24" EAST ALONG THE SOUTH LINE OF THE  
 SOUTHEAST QUARTER OF SECTION 19, TOWNSHIP 2 SOUTH, RANGE 6 EAST.  
 DETERMINED BY GPS OBSERVATIONS COLLECTED DURING THIS SURVEY.

NO.	REVISIONS	DATE	BY

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 PHONE: 602-944-5500 FAX: 602-944-7423  
 WWW.KIMLEY-HORN.COM



SCALE (H):	1"=600'	N/A
SCALE (V):	RSM	
DESIGNED BY:	DLR	
DRAWN BY:	CCW	
CHECKED BY:	CCW	
DATE:	03/2024	

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 GEOMETRIC CONTROL SHEET

CITY PROJECT NO.  
 ST1804.401  
 FEDERAL NO.  
 CHN-0(244)D  
 ADOT NO. T0203.01C

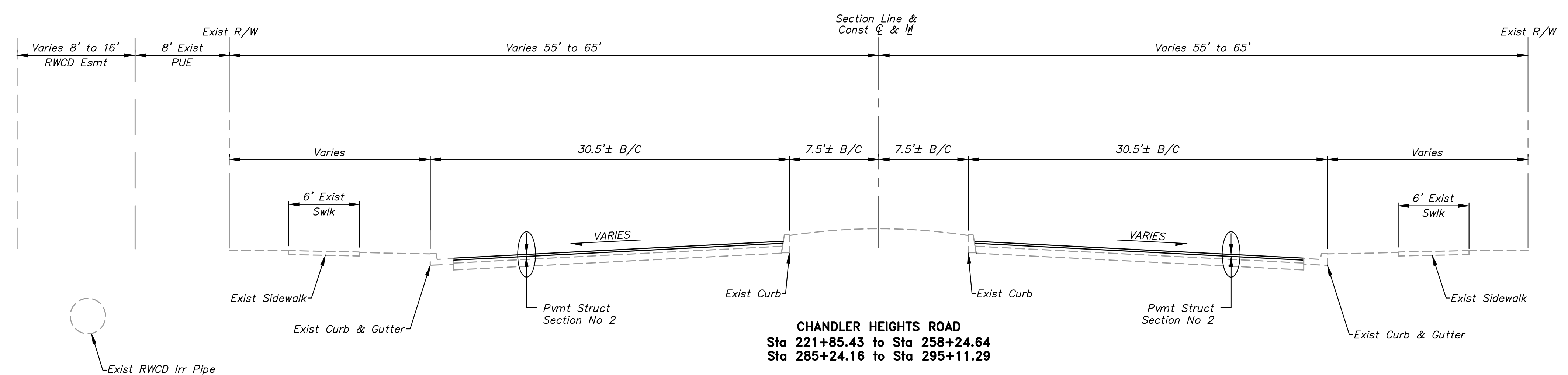
SHEET DWG  
 GC01  
 6 OF 135



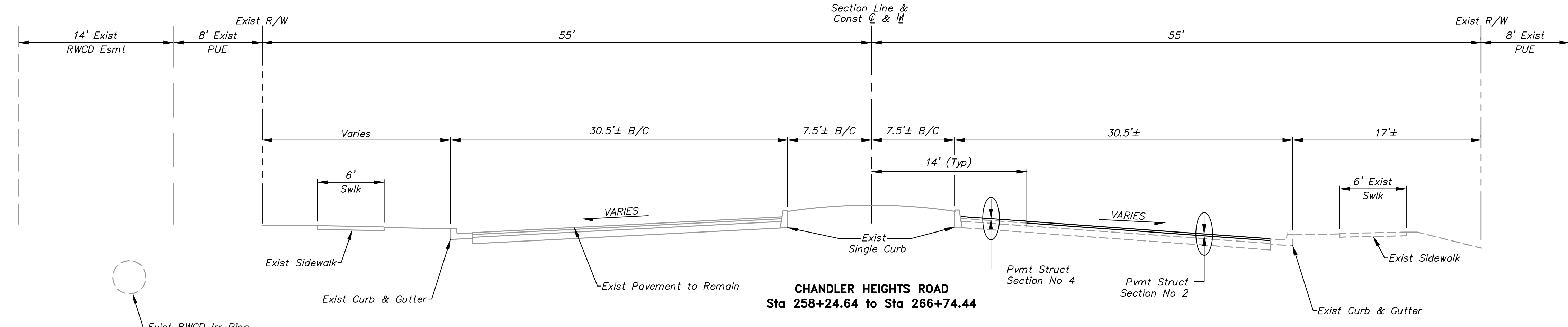
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C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

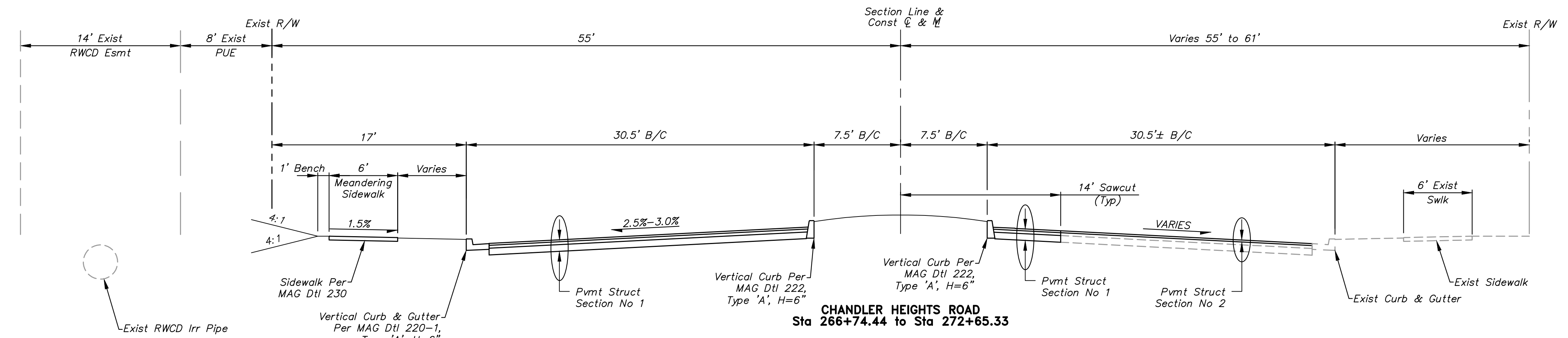
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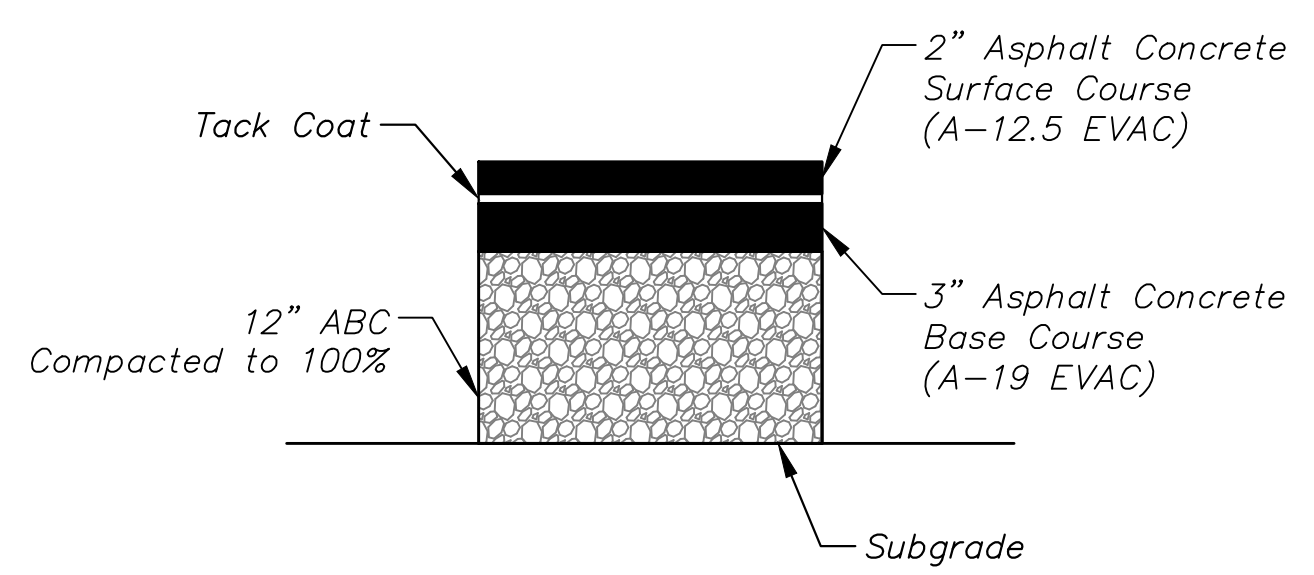
**CHANDLER HEIGHTS ROAD**  
Sta 221+85.43 to Sta 258+24.64  
Sta 285+24.16 to Sta 295+11.29



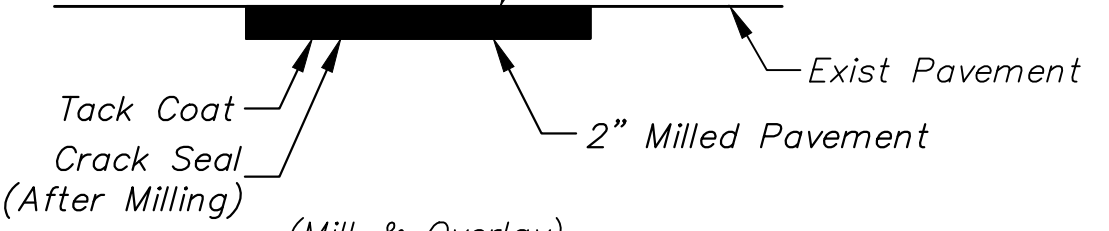
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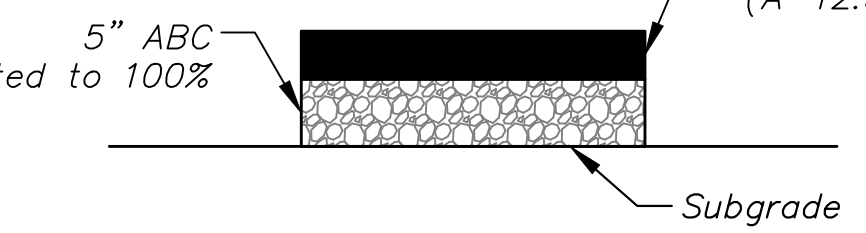
**CHANDLER HEIGHTS ROAD**  
Sta 266+74.44 to Sta 272+65.33



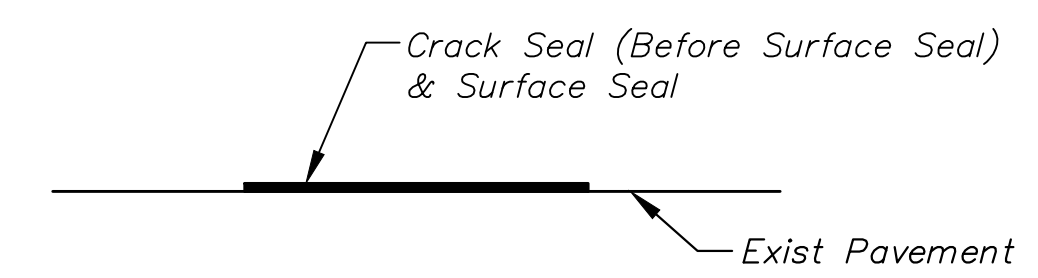
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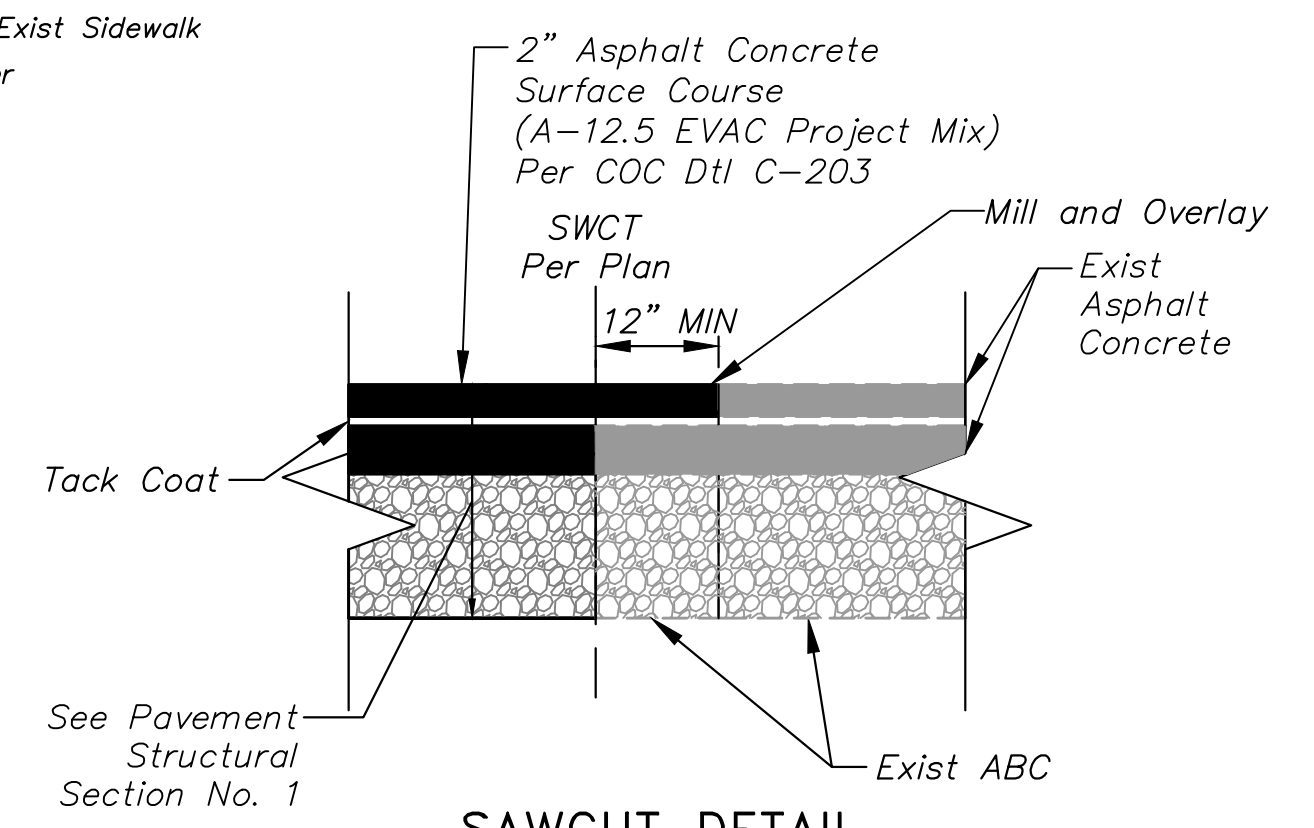
**STRUCTURAL SECTION NO 2**



**STRUCTURAL SECTION NO 3**



**STRUCTURAL SECTION NO 4**



**SAWCUT DETAIL**



NO.	REVISIONS	DATE	BY

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WWW.KIMLEY-HORN.COM



SCALE (H):	N/A
SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

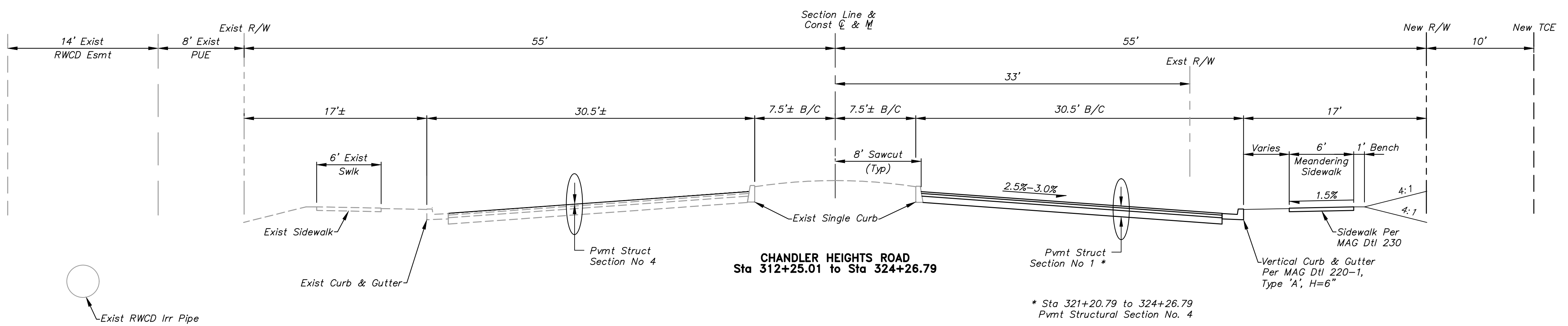
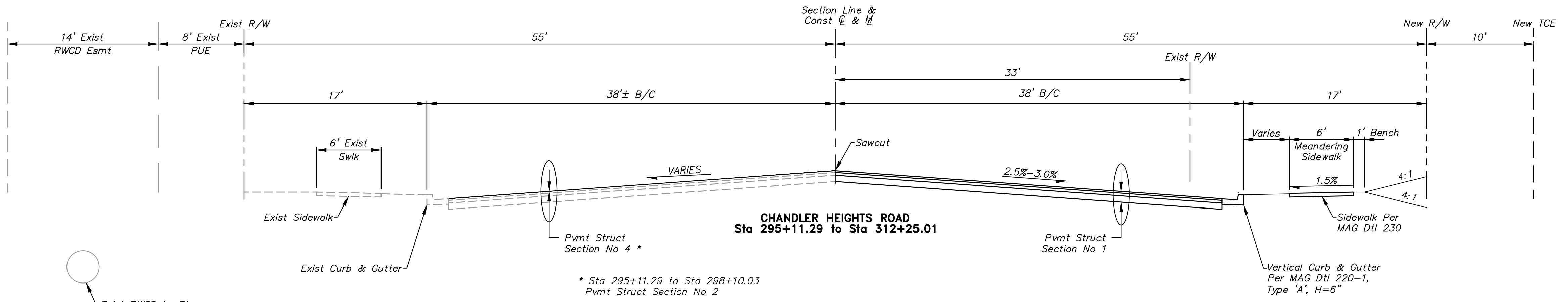
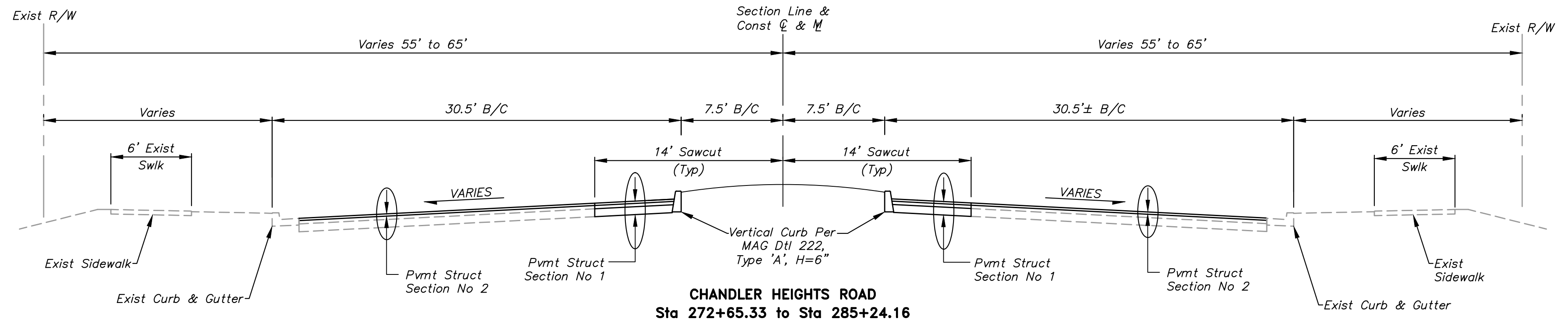
**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**TYPICAL SECTIONS**

CITY PROJECT NO. ST1804.401  
FEDERAL NO. CHN-0244JD  
ADOT NO. T0203.01C

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS



Plotted By: VanGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: TX02 - March 04, 2024 - 06:16:41pm - K:\PHX\_Roadway\191466D10-Chandler Heights Rd-Gilbert - Va\_Visib\_Card\12-Sheets\191466D10-TX01.dwg



No.	REVISIONS	DATE	BY

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 WWW.KIMLEY-HORN.COM



SCALE (H):	N/A	DESIGNED BY:	RSM	CHECKED BY:	CCW	DATE:	03/2024
SCALE (V):	N/A	DRAWN BY:	DLR				

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 TYPICAL SECTIONS

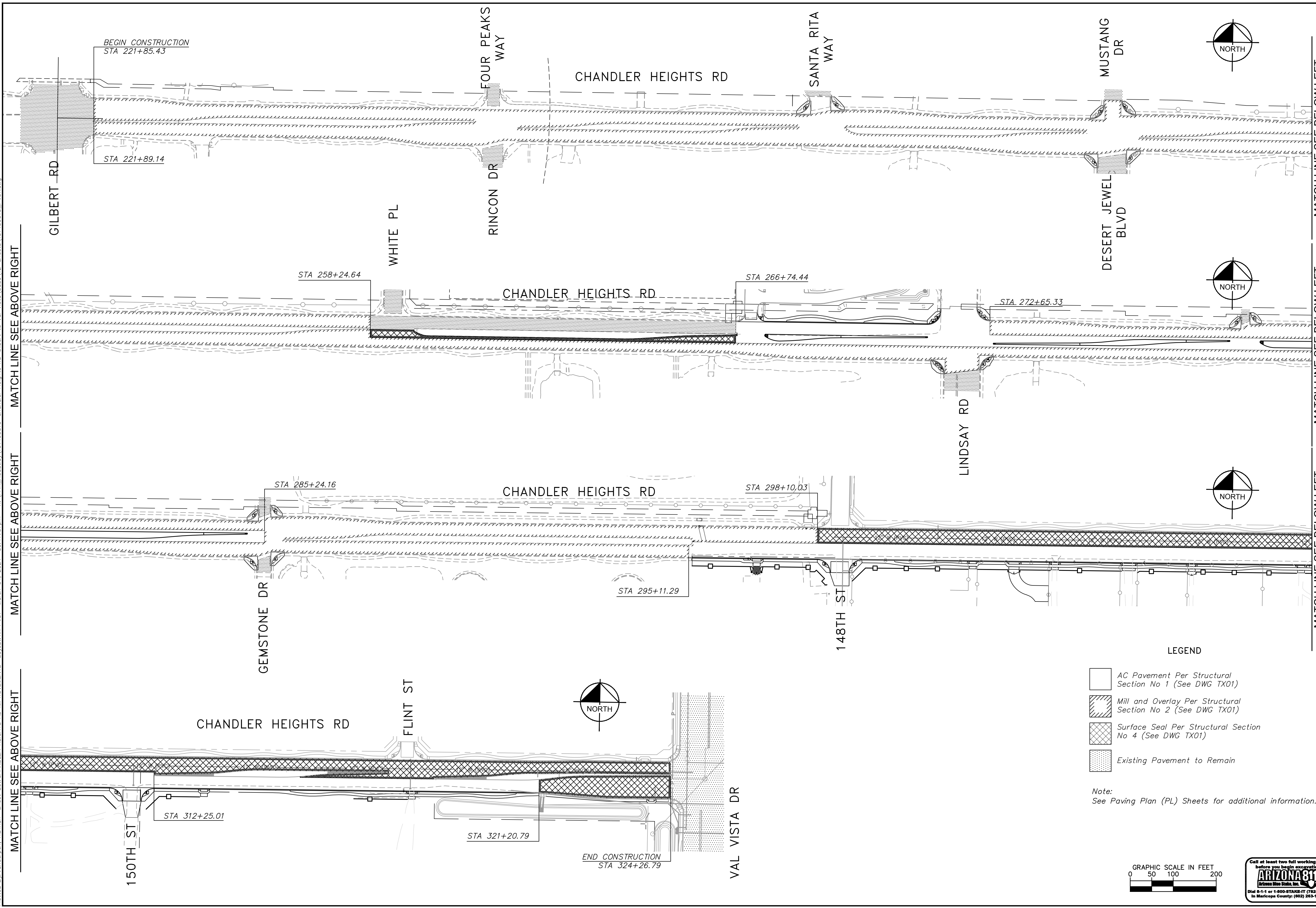
CITY PROJECT NO. ST1804.401  
 FEDERAL NO. CHN-0(244)D  
 ADOT NO. T0203 01C

SHEET DWG TX02  
 8 OF 135

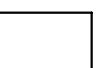
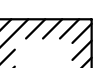




C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

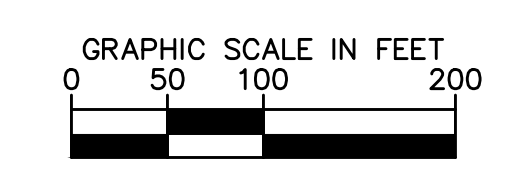
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**LEGEND**

-  AC Pavement Per Structural Section No 1 (See DWG TX01)
-  Mill and Overlay Per Structural Section No 2 (See DWG TX01)
-  Surface Seal Per Structural Section No 4 (See DWG TX01)
-  Existing Pavement to Remain

Note:  
See Paving Plan (PL) Sheets for additional information.



No.	REVISIONS	DATE	BY

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SCALE (H):	1"=100'
SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

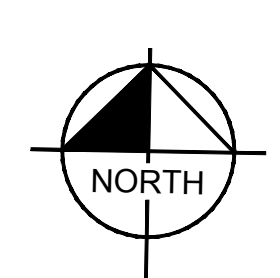
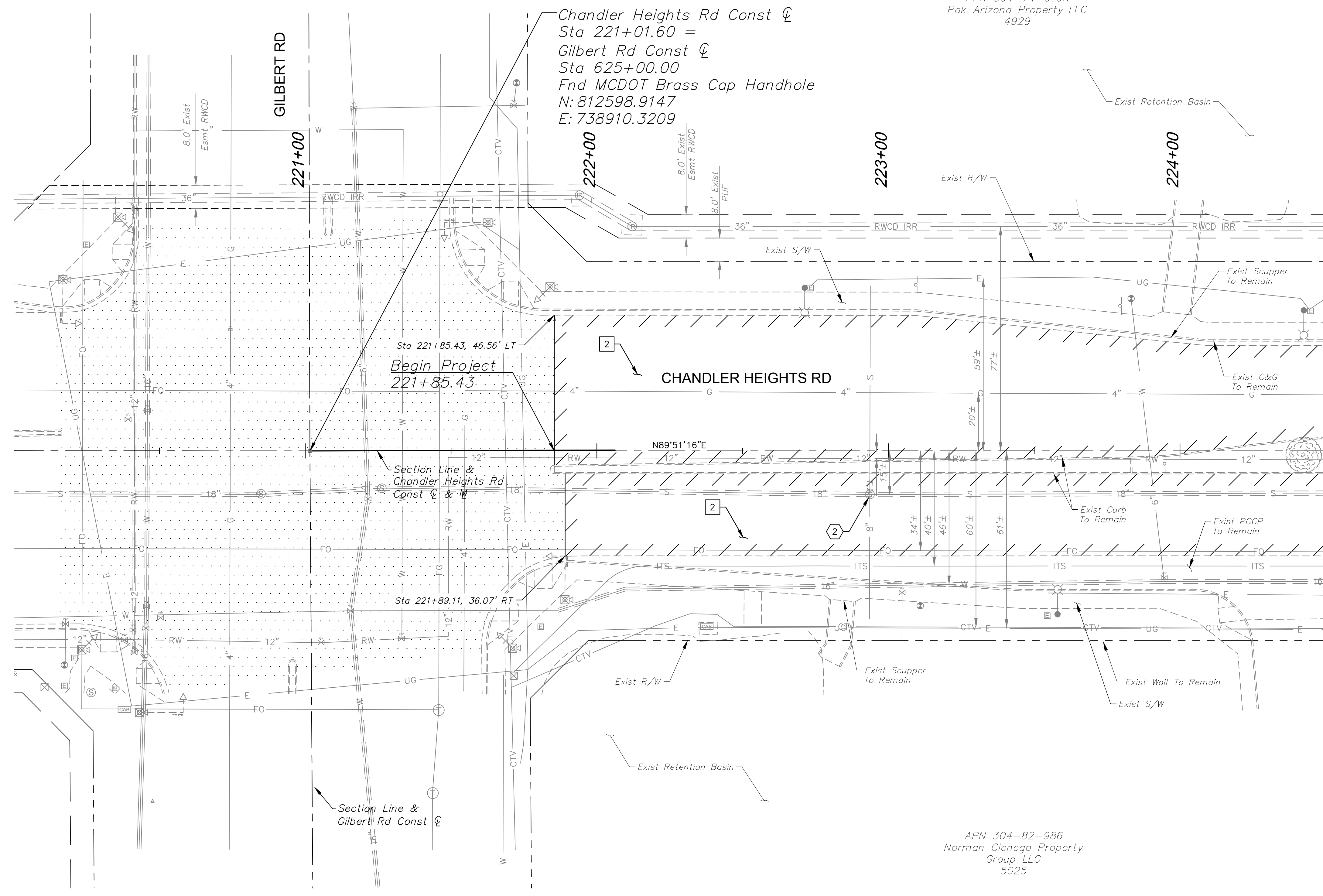
**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**OVERALL PAVING LIMITS**

CITY PROJECT NO. ST1804.401  
FEDERAL NO. CHN-0(244)D  
ADOT NO. T0203 01C

SHEET DWG PV01  
9 OF 135

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

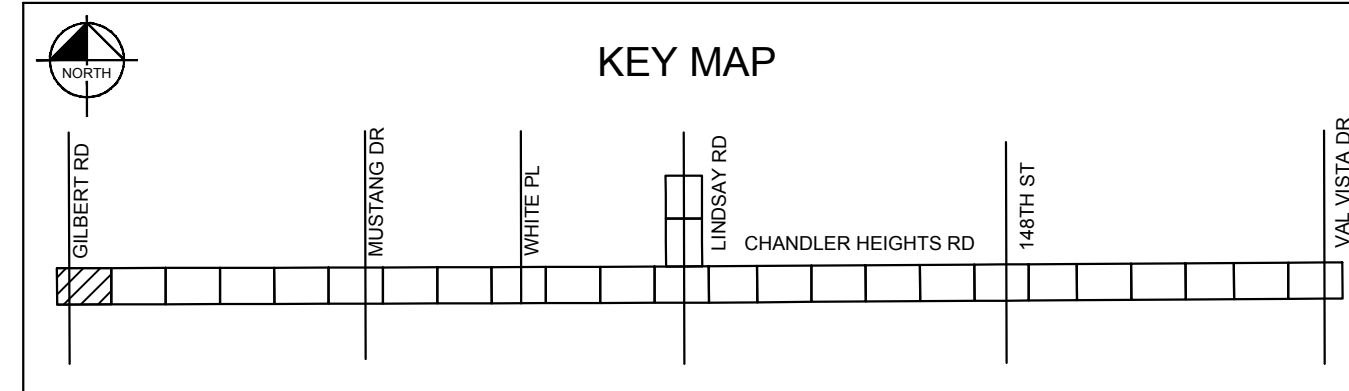
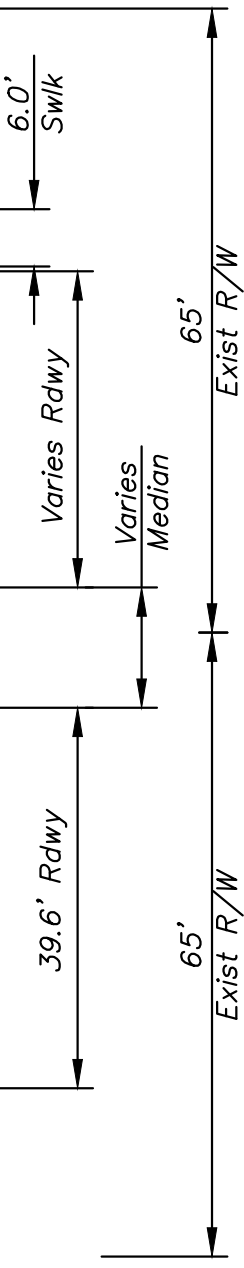
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CONSTRUCTION NOTES		
NO.	DESCRIPTION	QTY UNIT
2	AC Pavement Per Structural Section No. 2, See DWG TX01	2,146 SY

UTILITY NOTES		
NO.	DESCRIPTION	QTY UNIT
2	Remove and Replace Existing Cast Iron Manhole Frame and Cover with Composite Manhole Frame and Cover Per COC Dtl C-400, and Adjust to Grade Per COC Dtl C-401, Type 'B'	1 EA

MATCHLINE STA. 224+50 SEE DWG PL02



- SHEET NOTES**
- Dimensions and offsets are to the face of curb unless otherwise noted.
  - See DWG SL01 for Street Lighting Plans.

GRAPHIC SCALE IN FEET  
0 10 20 40

Call at least two full working days before you begin excavation.  
**ARIZONA 811**  
Norman Cienega Group, Inc.  
Dial 8-1-1 or 1-800-STAKE-IT (783-8349)  
In Maricopa County: (602) 253-1100

NO.	REVISIONS	DATE	BY

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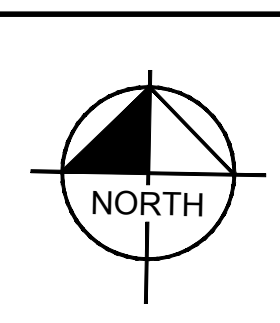
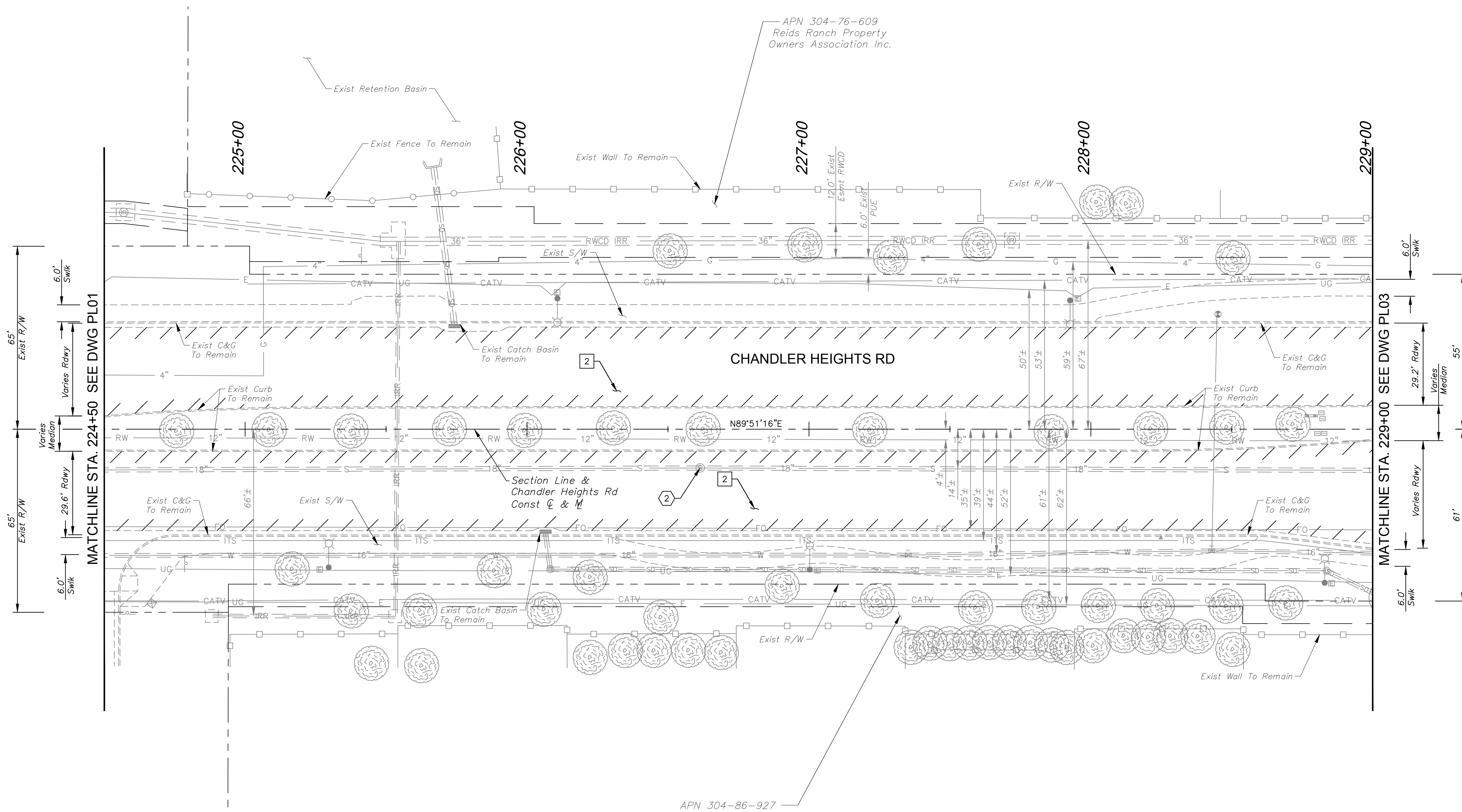
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SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

**CITY OF CHANDLER**  
CHANDLER HEIGHTS RD IMPROVEMENTS  
CHANDLER HEIGHTS RD PAVING PLAN  
STA 220+00 TO STA 224+50

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(24)D
ADOT NO.	T0203.01C
SHEET DWG	PL01
10 OF 135	

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: PL02 March 04, 2024 08:18:04am K:\PHX-Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista-Cadd\12-Sheets\191466010\_PL02.dwg



CONSTRUCTION NOTES		
NO.	DESCRIPTION	QTY UNIT
2	AC Pavement Per Structural Section No. 2, See DWG TX01	2,840 SY

UTILITY NOTES		
NO.	DESCRIPTION	QTY UNIT
2	Remove and Replace Existing Cast Iron Manhole Frame and Cover with Composite Manhole Frame and Cover Per COC Dtl C-400, and Adjust to Grade Per COC Dtl C-401, Type 'B'	1 EA

SHEET NOTES		
1.	Dimensions and offsets are to the face of curb unless otherwise noted.	
2.	See DWG SL01 for Street Lighting Plans.	

NO.	REVISIONS	DATE	BY

**Kimley»Horn**

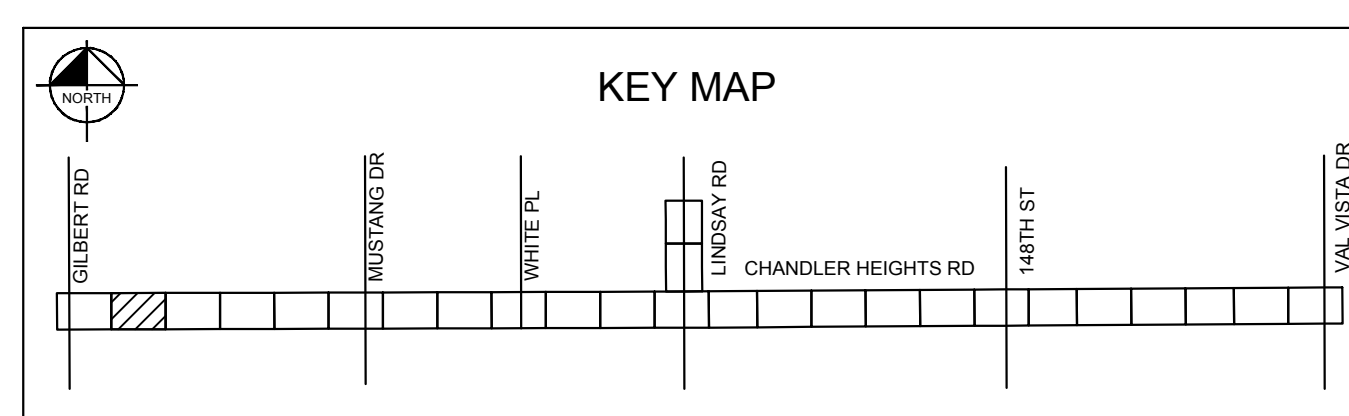
© 2018 KIMLEY-HORN AND ASSOCIATES, INC.  
 7740 N. 16th STREET, SUITE 300, PHOENIX, AZ 85020  
 PHONE: 602-944-5500 FAX: 602-944-7423  
 WWW.KIMLEY-HORN.COM



SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

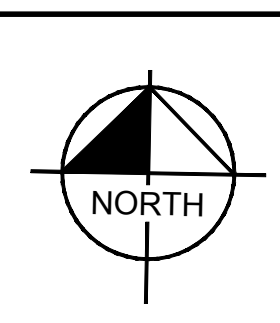
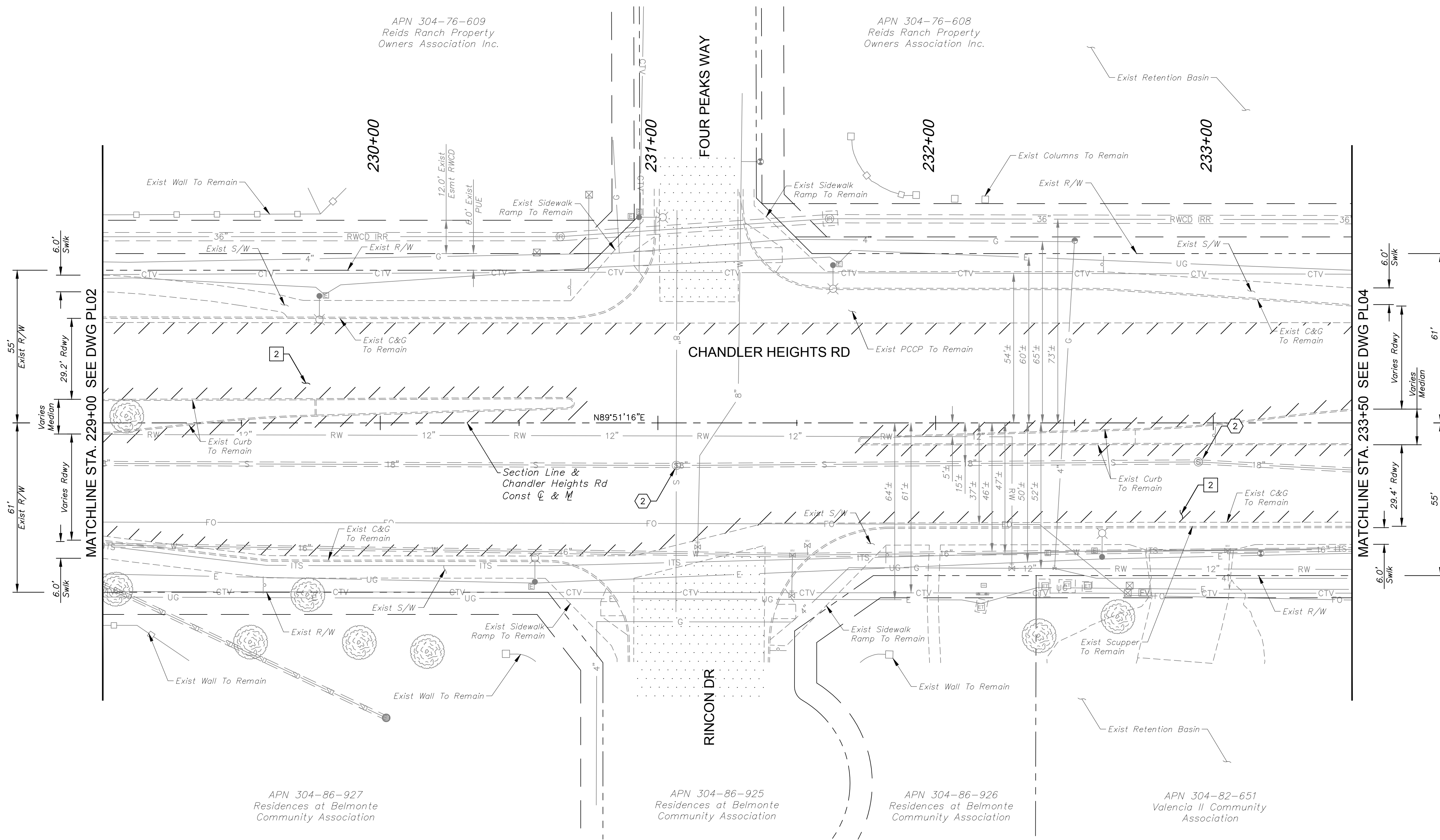
CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 CHANDLER HEIGHTS RD PAVING PLAN  
 STA 224+50 TO STA 229+00

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(24)JD
ADOT NO.	T0203.01C
SHEET DWG	PL02
11 OF 135	



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: PL03 - March 04, 2024 - 08:18:36pm - K:\PHX\_Roadway\191466010-Chandler Heights Rd- Streets\191466010\_PL03.dwg



CONSTRUCTION NOTES		
NO.	DESCRIPTION	QTY UNIT
2	AC Pavement Per Structural Section No. 2, See DWG TX01	3,605 SY

UTILITY NOTES		
NO.	DESCRIPTION	QTY UNIT
2	Remove and Replace Existing Cast Iron Manhole Frame and Cover with Composite Manhole Frame and Cover Per COC Dtl C-400, and Adjust to Grade Per COC Dtl C-401, Type 'B'	2 EA

NO.	REVISIONS	DATE	BY

**Kimley»Horn**

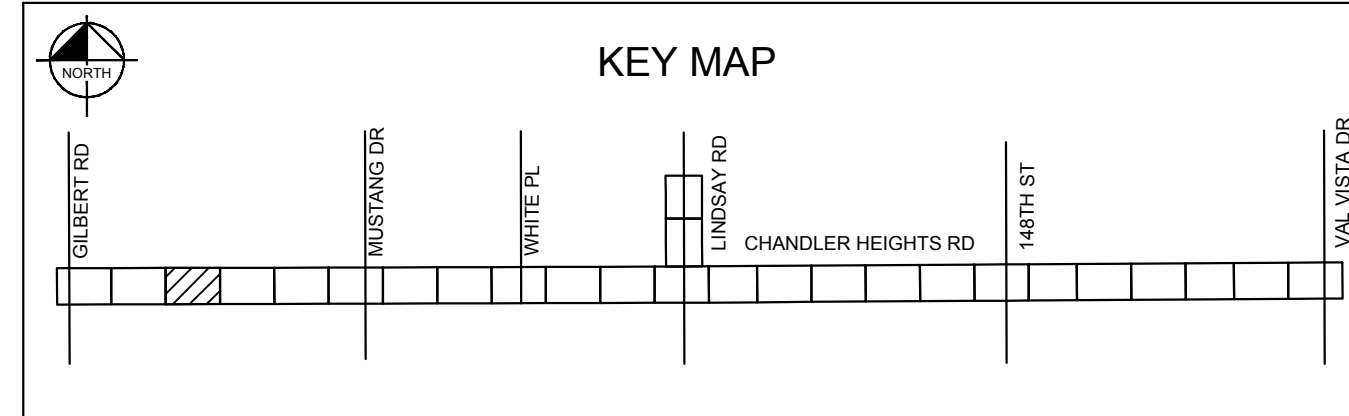
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 PHONE: 602-944-5500 FAX: 602-944-7423  
 WWW.KIMLEY-HORN.COM



SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 CHANDLER HEIGHTS RD PAVING PLAN  
 STA 229+00 TO STA 233+50

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	PL03
12 OF 135	



- SHEET NOTES**
- Dimensions and offsets are to the face of curb unless otherwise noted.
  - See DWG SL01 for Street Lighting Plans.

GRAPHIC SCALE IN FEET

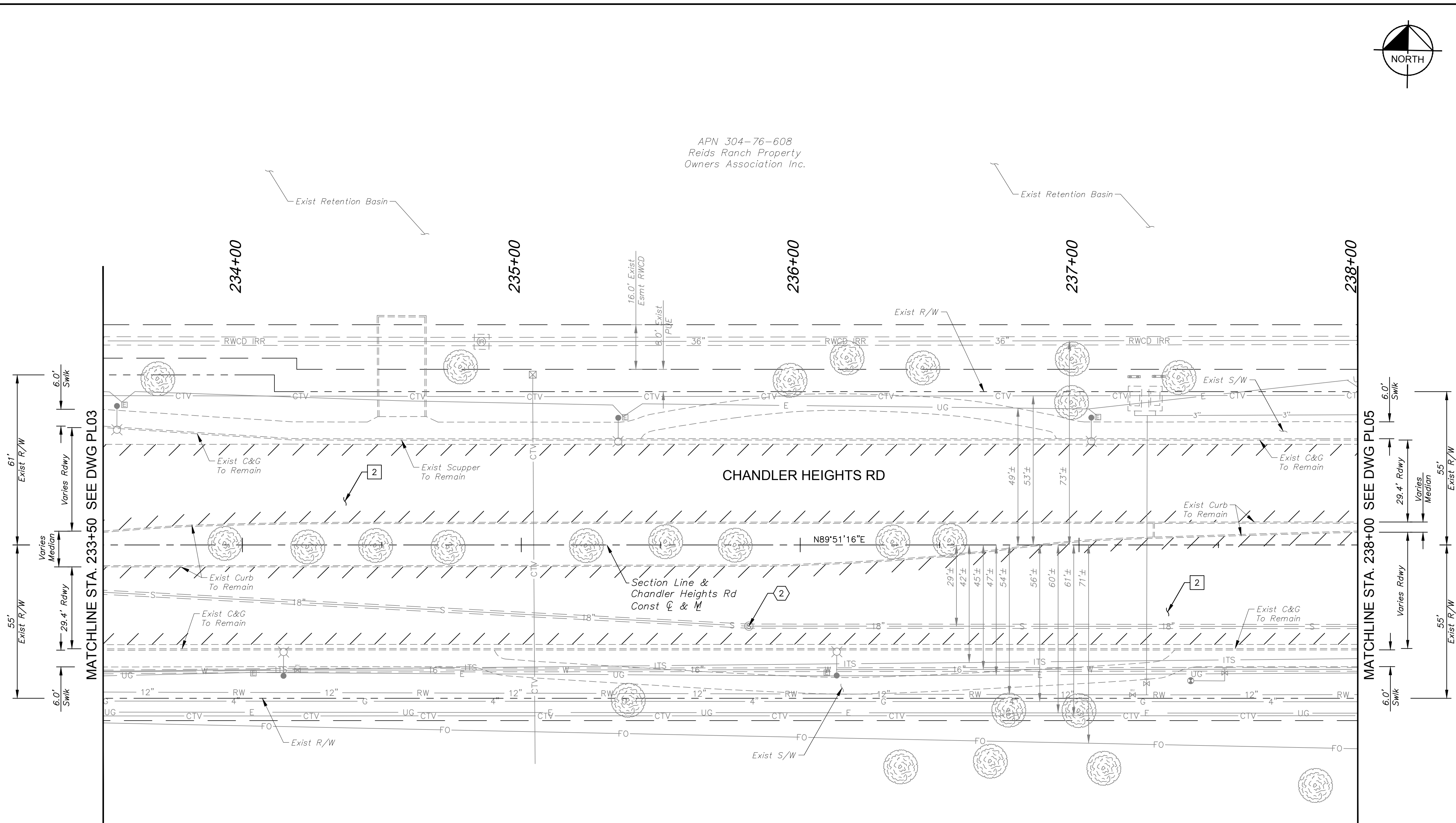
0 10 20 40

Call at least two full working days before you begin excavation.

**ARIZONA 811**  
 Arizona One Stop, Inc.  
 Dial 8-1-1 or 1-800-STAKE-IT (782-8349)  
 In Maricopa County: (602) 253-1100

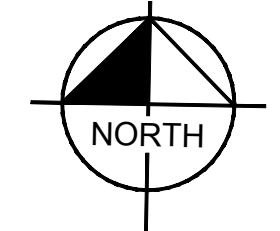
C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: PL04 March 04, 2024 08:19:06pm K:\PHX-Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista-Cadd\12-Sheets\191466010\_PL04.dwg



APN 304-76-608  
Reids Ranch Property  
Owners Association Inc.

APN 304-82-651  
Valencia II Community  
Association



CONSTRUCTION NOTES		
NO.	DESCRIPTION	QTY UNIT
2	AC Pavement Per Structural Section No. 2, See DWG TX01	2,965 SY

UTILITY NOTES		
NO.	DESCRIPTION	QTY UNIT
2	Remove and Replace Existing Cast Iron Manhole Frame and Cover with Composite Manhole Frame and Cover Per COC Dtl C-400, and Adjust to Grade Per COC Dtl C-401, Type 'B'	1 EA

SHEET NOTES		
1. Dimensions and offsets are to the face of curb unless otherwise noted.		
2. See DWG SL01 for Street Lighting Plans.		

NO.	REVISIONS	DATE	BY

**Kimley»Horn**

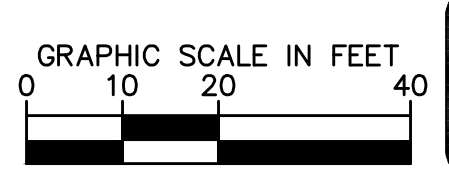
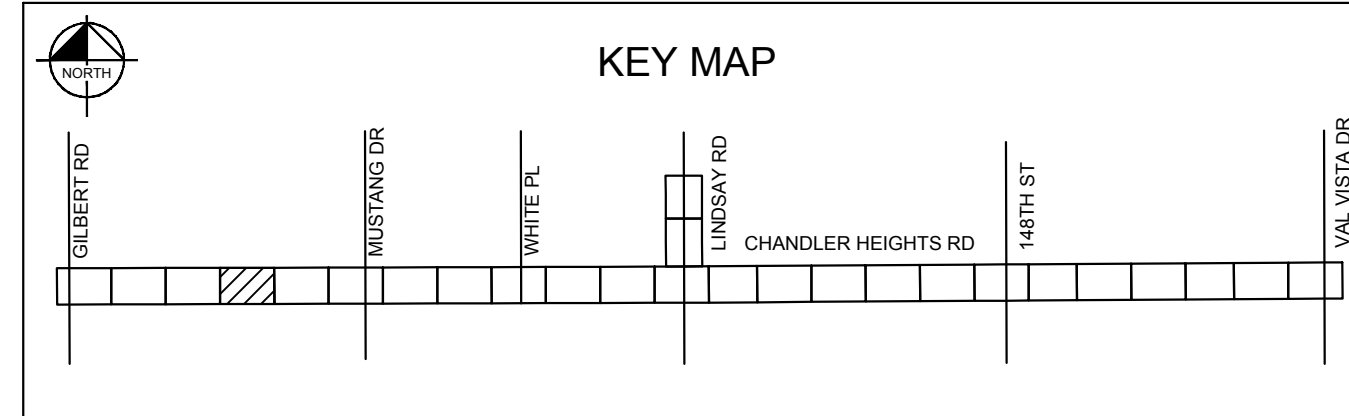
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PHONE: 602-944-5500 FAX: 602-944-7423  
WWW.KIMLEY-HORN.COM



SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

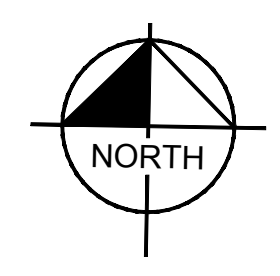
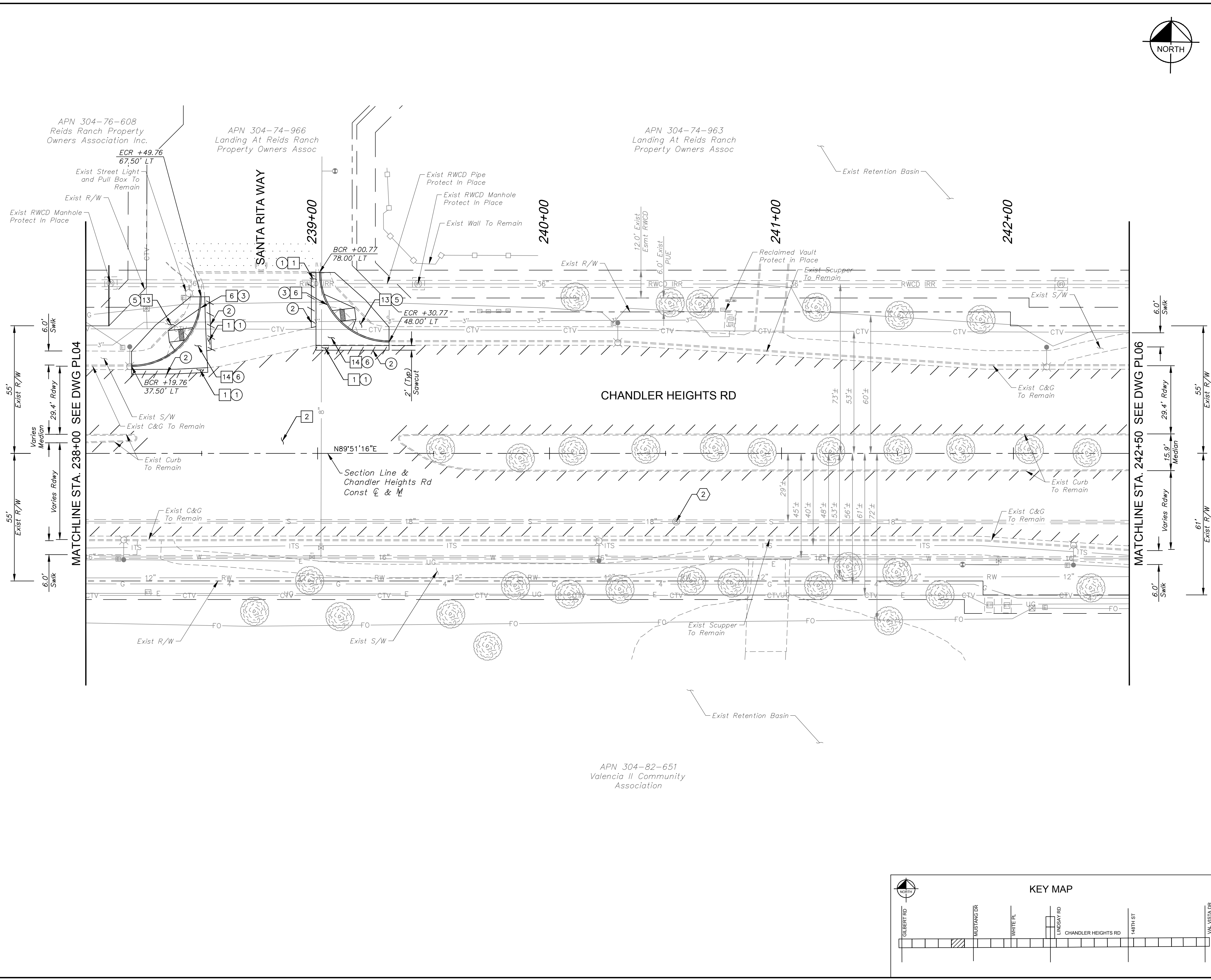
CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
CHANDLER HEIGHTS RD PAVING PLAN  
STA 233+50 TO STA 238+00

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	PL04
13 OF 135	



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah - Sheet: CHANDLER HEIGHTS RD IMPROVEMENTS - L:\you\PL05 - March 04, 2024 - 08:19:47pm - K:\PHX-Roadway\191466010-CHandler Heights Rd- Streets\191466010\_PL05.dwg



CONSTRUCTION NOTES		
NO.	DESCRIPTION	QTY UNIT
1	AC Pavement Per Structural Section No. 1, See DWG TX01	25 SY
2	AC Pavement Per Structural Section No. 2, See DWG TX01	3,315 SY
6	Concrete Curb & Gutter Per MAG Dtl 220-1, Type 'A', H=6"	95 LF
13	Concrete Sidewalk Ramp Per COC Dtl C-258 & C-249	2 EA
14	Concrete Valley Gutter Per MAG Dtl 240	577 SF

UTILITY NOTES		
NO.	DESCRIPTION	QTY UNIT
2	Remove and Replace Existing Cast Iron Manhole Frame and Cover with Composite Manhole Frame and Cover Per COC Dtl C-400, and Adjust to Grade Per COC Dtl C-401, Type 'B'	1 EA

REMOVAL NOTES		
NO.	DESCRIPTION	QTY UNIT
1	Remove & Dispose Existing AC Pavement	25 SY
2	Sawcut Existing Pavement (Full Depth)	- -
3	Remove & Dispose Existing Curb & Gutter	95 LF
5	Remove & Dispose Existing Concrete Sidewalks, Driveways, and Slabs	573 SF
6	Remove & Dispose Existing Valley Gutter	433 SF

SHEET NOTES		
1. Dimensions and offsets are to the face of curb unless otherwise noted.		
2. See DWG SW01 for Sidewalk Ramp Details		
3. See DWG SL02 for Street Lighting Plans.		

REVISIONS	
NO.	DATE

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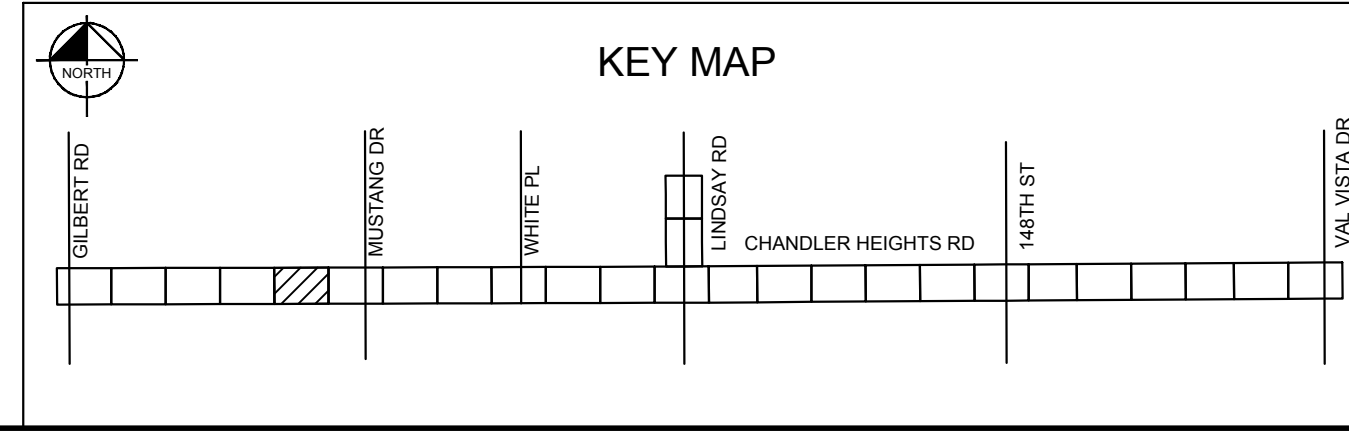
© 2018 KIMLEY-HORN AND ASSOCIATES, INC.  
 7740 N. 16th STREET, SUITE 300, PHOENIX, AZ 85020  
 PHONE: 602-944-5500 FAX: 602-944-7423  
 WWW.KIMLEY-HORN.COM



SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 CHANDLER HEIGHTS RD PAVING PLAN  
 STA 238+00 TO STA 242+50

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	PL05
14	OF 135



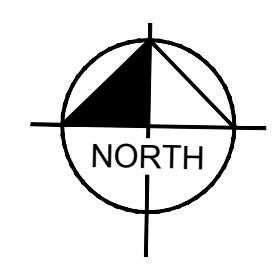
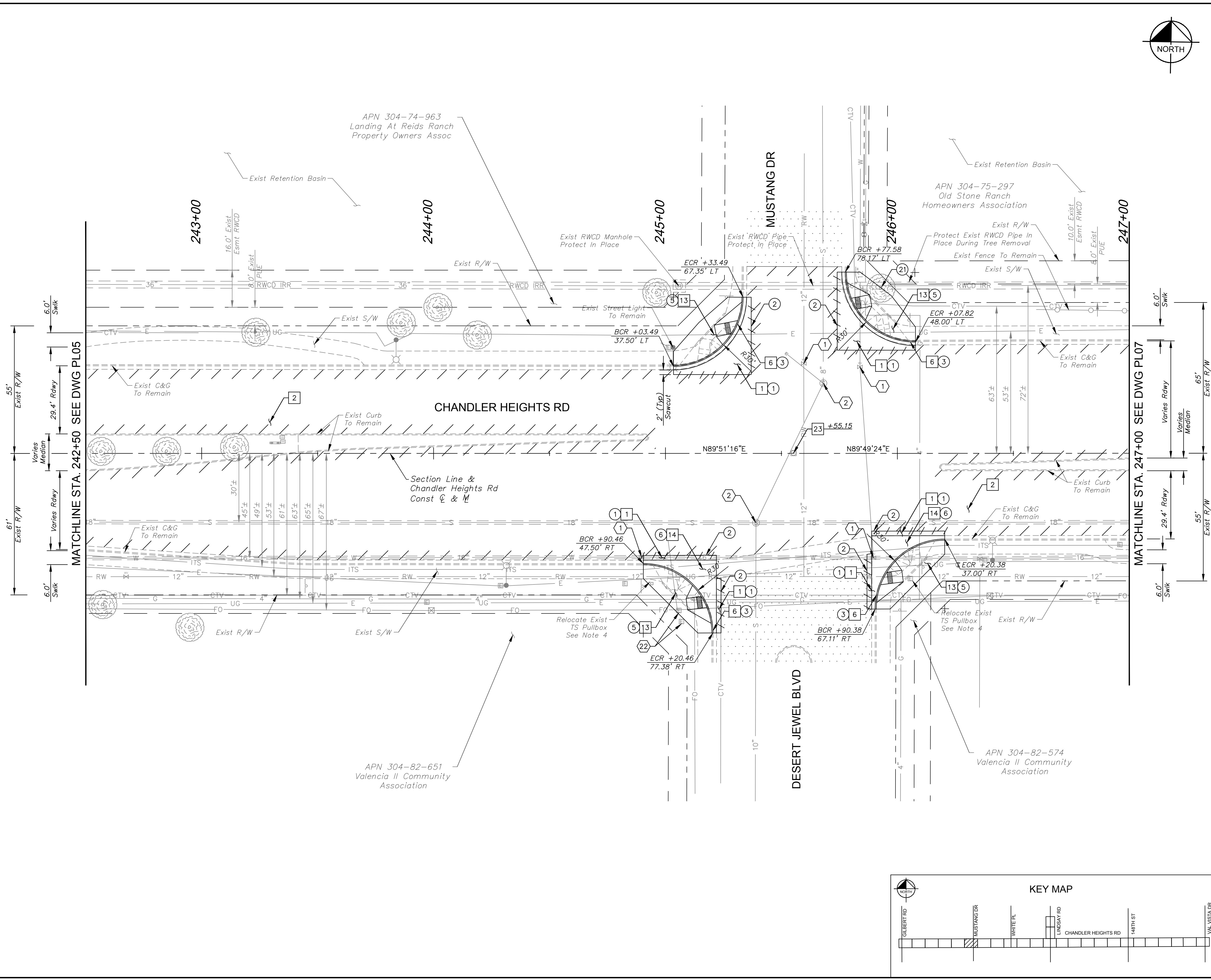
GRAPHIC SCALE IN FEET

Call at least two full working days before you begin excavation.

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C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah, Sheet: CHANDLER HEIGHTS RD IMPROVEMENTS, L:\you\PL06, March 04, 2024, 08:20:27pm, K:\PHX\_Roadway\191466010-CHandler Heights Rd-Gilbert to Val Vista-Cadd\12-Sheets\191466010\_PL06.dwg



CONSTRUCTION NOTES		
NO.	DESCRIPTION	QTY UNIT
1	AC Pavement Per Structural Section No. 1, See DWG TX01	101 SY
2	AC Pavement Per Structural Section No. 2, See DWG TX01	3,961 SY
6	Concrete Curb & Gutter Per MAG Dtl 220-1, Type 'A', H=6"	189 LF
13	Concrete Sidewalk Ramp Per COC Dtl C-258 & C-249	4 EA
14	Concrete Valley Gutter Per MAG Dtl 240	569 SF
23	Survey Marker Per MAG Dtl 120-1, Type 'A'	1 EA

UTILITY NOTES		
NO.	DESCRIPTION	QTY UNIT
1	Adjust Valve Box and Cover Per MAG Dtl 391, Type 'C', with Concrete Collar Per COC Dtl C-307	4 EA
2	Remove and Replace Existing Cast Iron Manhole Frame and Cover with Composite Manhole Frame and Cover Per COC Dtl C-400, and Adjust to Grade Per COC Dtl C-401, Type 'B'	2 EA
22	Relocate Existing Communication Vault (By Lumen)	-

REMOVAL NOTES		
NO.	DESCRIPTION	QTY UNIT
1	Remove & Dispose Existing AC Pavement	102 SY
2	Sawcut Existing Pavement (Full Depth)	-
3	Remove & Dispose Existing Curb & Gutter	189 LF
5	Remove & Dispose Existing Concrete Sidewalks, Driveways, and Slabs	1,152 SF
6	Remove & Dispose Existing Valley Gutter	569 SF
21	Remove & Dispose Existing Tree, See Inventory Sheets	-

**SHEET NOTES**

- Dimensions and offsets are to the face of curb unless otherwise noted.
- See DWG SW02 for Sidewalk Ramp Details
- See DWG SL02 for Street Lighting Plans.
- See DWG TS04 for Traffic Signal Plans.

**GRAPHIC SCALE IN FEET**

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NO.	REVISIONS	DATE	BY

**Kimley»Horn**

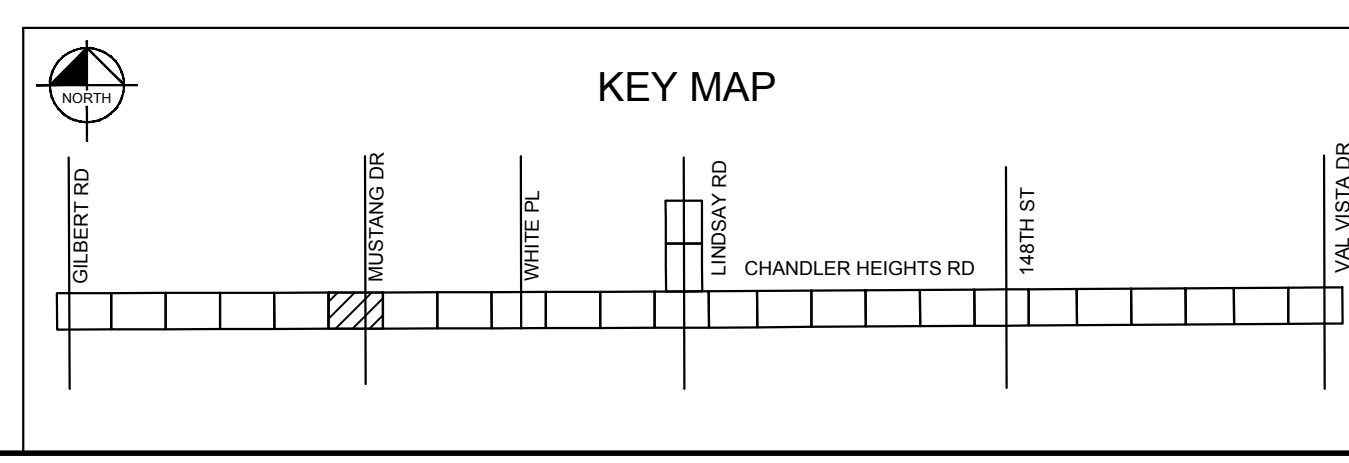
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7740 N. 16th STREET, SUITE 300, PHOENIX, AZ 85020  
PHONE: 602-944-5500 FAX: 602-944-7423  
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SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**CHANDLER HEIGHTS RD PAVING PLAN**  
**STA 242+50 TO STA 247+00**

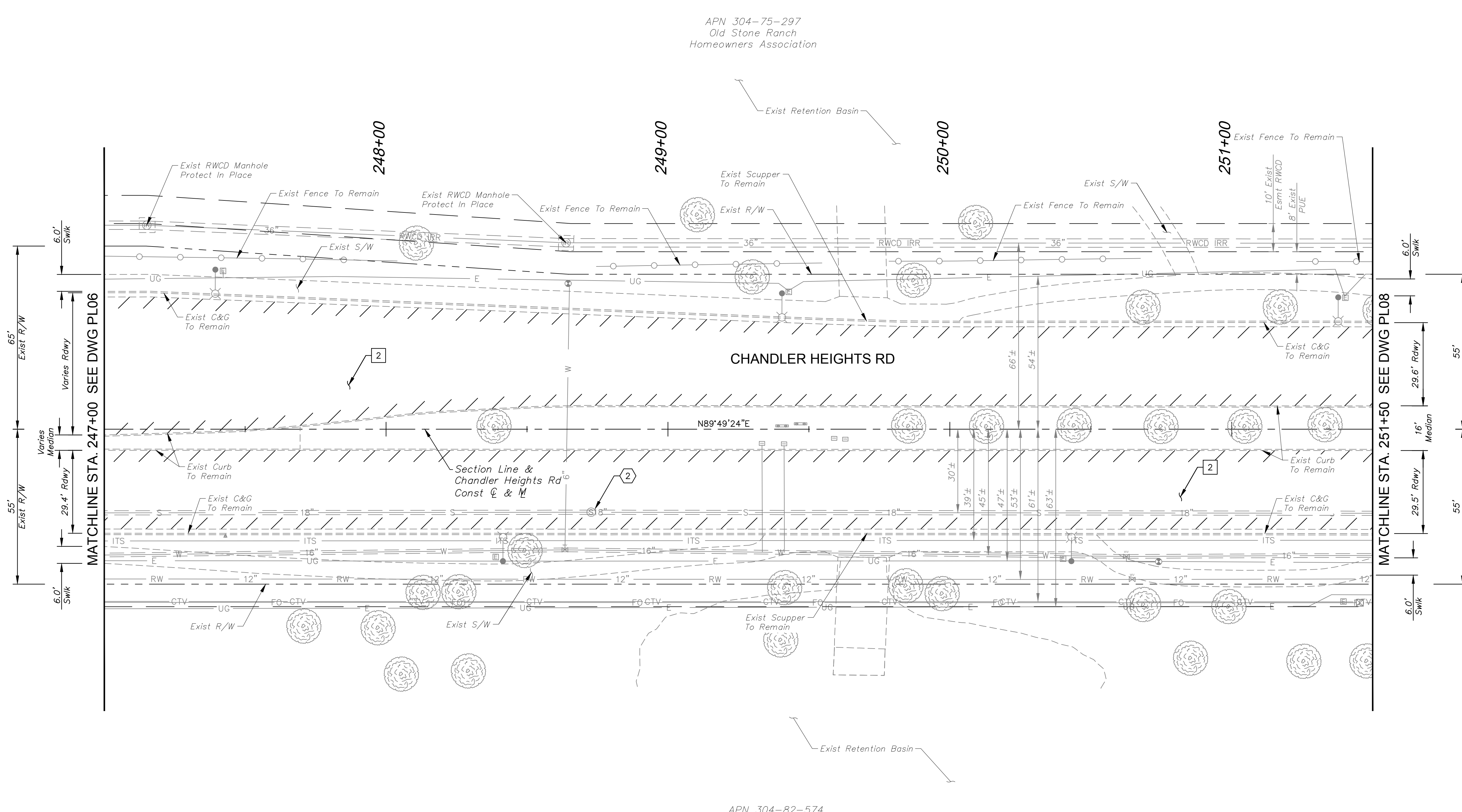
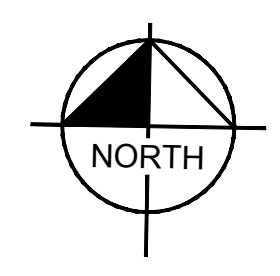
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FEDERAL NO.	CHN-0244JD
ADOT NO.	T0203.01C
SHEET DWG	PL06
15 OF 135	



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS



Plotted By: VanGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: PL07 - March 04, 2024 - 08:21:04am - K:\PHX-Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista-Cadd\12-Sheets\191466010\_PL07.dwg



CONSTRUCTION NOTES		
NO.	DESCRIPTION	QTY UNIT
2	AC Pavement Per Structural Section No. 2, See DWG TX01	3,070 SY

UTILITY NOTES		
NO.	DESCRIPTION	QTY UNIT
2	Remove and Replace Existing Cast Iron Manhole Frame and Cover with Composite Manhole Frame and Cover Per COC Dtl C-400, and Adjust to Grade Per COC Dtl C-401, Type 'B'	1 EA

SHEET NOTES		
1. Dimensions and offsets are to the face of curb unless otherwise noted.		
2. See DWG SL02 for Street Lighting Plans.		

NO.	DATE	REVISIONS	BY

**Kimley»Horn**

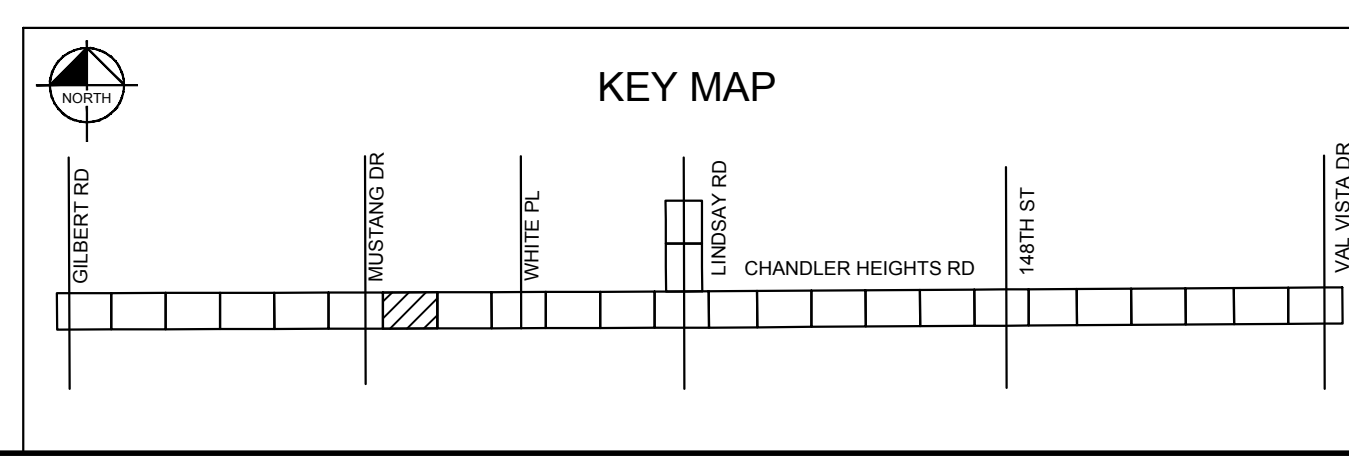
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SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 CHANDLER HEIGHTS RD PAVING PLAN  
 STA 247+00 TO STA 251+50

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	PL07
16 OF 135	

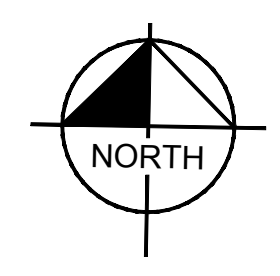
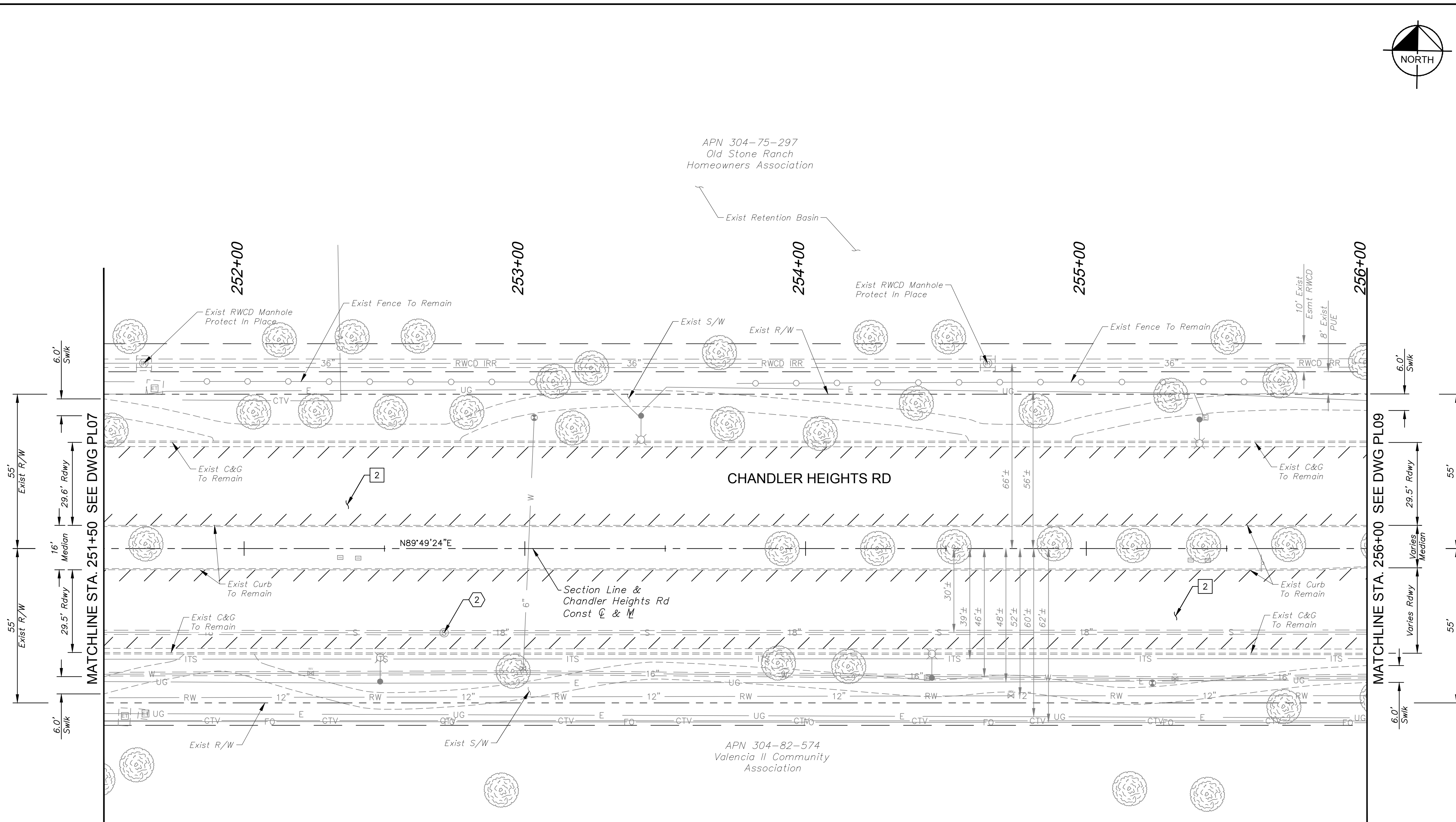


GRAPHIC SCALE IN FEET

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C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

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CONSTRUCTION NOTES		
NO.	DESCRIPTION	QTY UNIT
2	AC Pavement Per Structural Section No. 2, See DWG TX01	2,803 SY

UTILITY NOTES		
NO.	DESCRIPTION	QTY UNIT
2	Remove and Replace Existing Cast Iron Manhole Frame and Cover with Composite Manhole Frame and Cover Per COC Dtl C-400, and Adjust to Grade Per COC Dtl C-401, Type 'B'	1 EA

SHEET NOTES		
1.	Dimensions and offsets are to the face of curb unless otherwise noted.	
2.	See DWG SL02 for Street Lighting Plans.	

NO.	REVISIONS	DATE	BY

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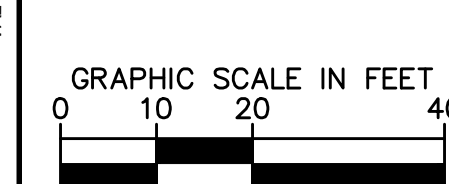
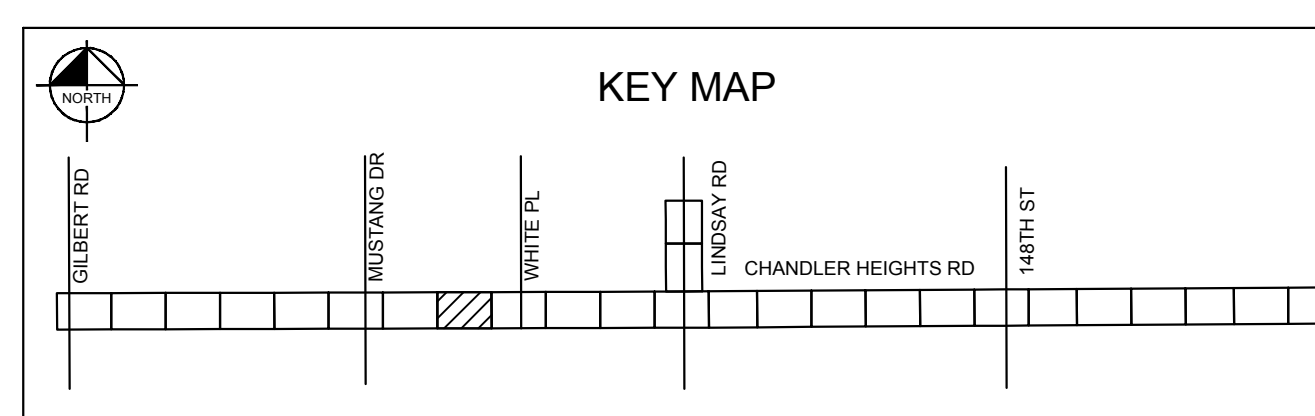
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SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

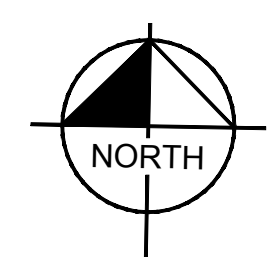
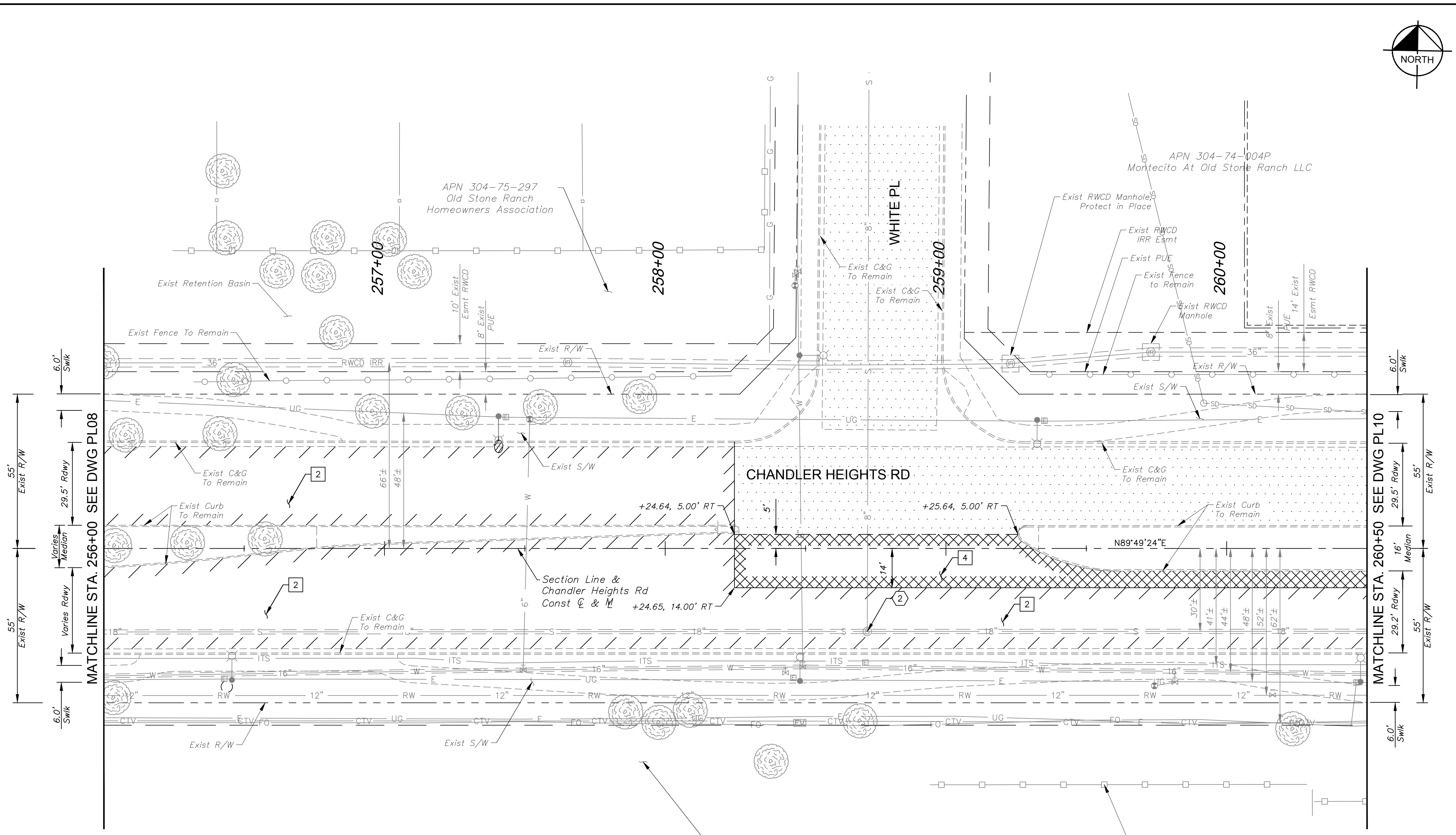
CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 CHANDLER HEIGHTS RD PAVING PLAN  
 STA 251+50 TO STA 256+00

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	PL08
17	OF 135



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: PL09 March 04, 2024 08:22:14pm K:\PHX\_Roadway\191466010-Chandler Heights Rd-Sheets\191466010\_PL09.dwg



CONSTRUCTION NOTES		
NO.	DESCRIPTION	QTY UNIT
2	AC Pavement Per Structural Section No. 2, See DWG TX01	2,153 SY
4	Surface Seal	310 SY

UTILITY NOTES		
NO.	DESCRIPTION	QTY UNIT
2	Remove and Replace Existing Cast Iron Manhole Frame and Cover with Composite Manhole Frame and Cover Per COC Dtl C-400, and Adjust to Grade Per COC Dtl C-401, Type 'B'	1 EA

REVISIONS		
NO.	DATE	BY

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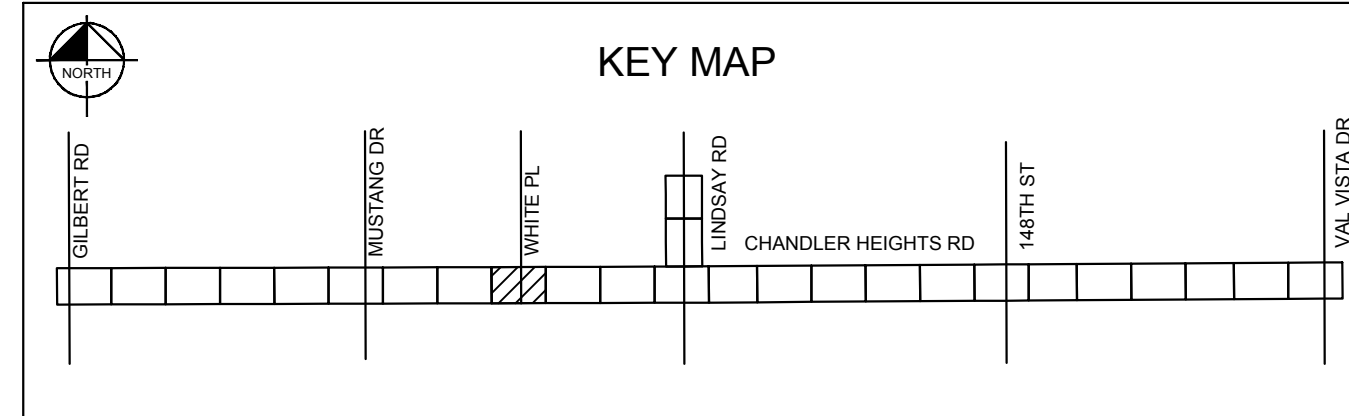
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SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 CHANDLER HEIGHTS RD PAVING PLAN  
 STA 256+00 TO STA 260+50

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	PL09
18 OF 135	

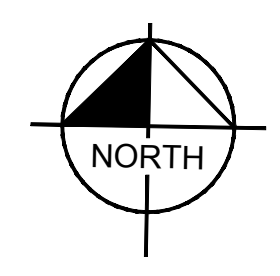
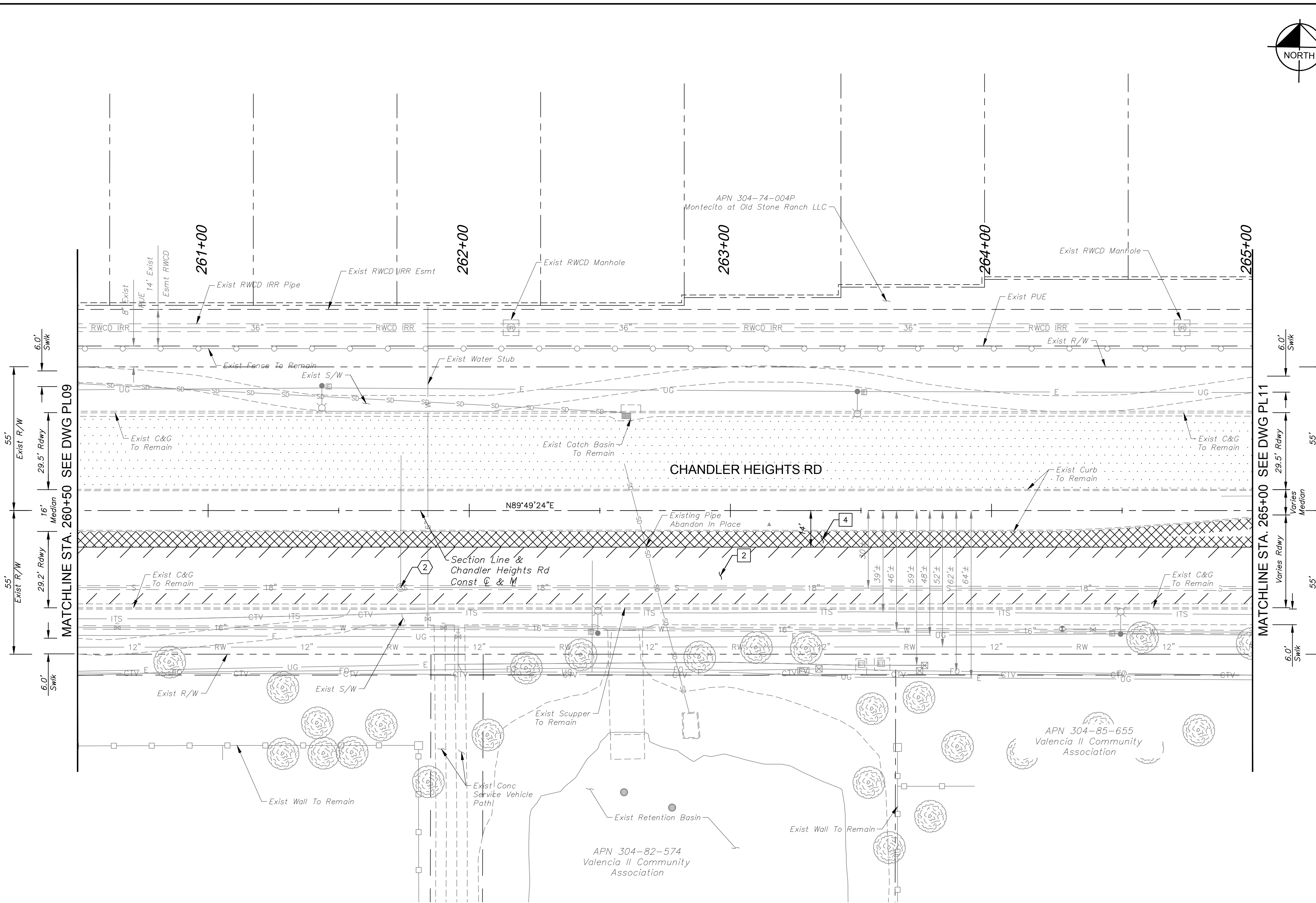
**SHEET NOTES**

- Dimensions and offsets are to the face of curb unless otherwise noted.
- See DWG SLO3 for Street Lighting Plans.



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah Sheet: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: PL10 March 04, 2024 06:22:47pm K:\PHX\_Roadway\191466010-Chandler Heights Rd-Sheets\191466010\_PL10.dwg



CONSTRUCTION NOTES		
NO.	DESCRIPTION	QTY UNIT
2	AC Pavement Per Structural Section No. 2, See DWG TX01	1,088 SY
4	Surface Seal	317 SY

UTILITY NOTES		
NO.	DESCRIPTION	QTY UNIT
2	Remove and Replace Existing Cast Iron Manhole Frame and Cover with Composite Manhole Frame and Cover Per COC Dtl C-400, and Adjust to Grade Per COC Dtl C-401, Type 'B'	1 EA

REVISIONS		BY	DATE

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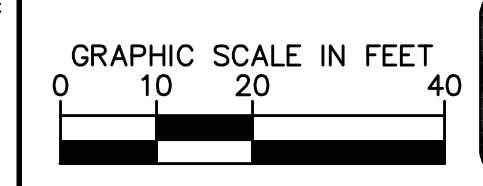
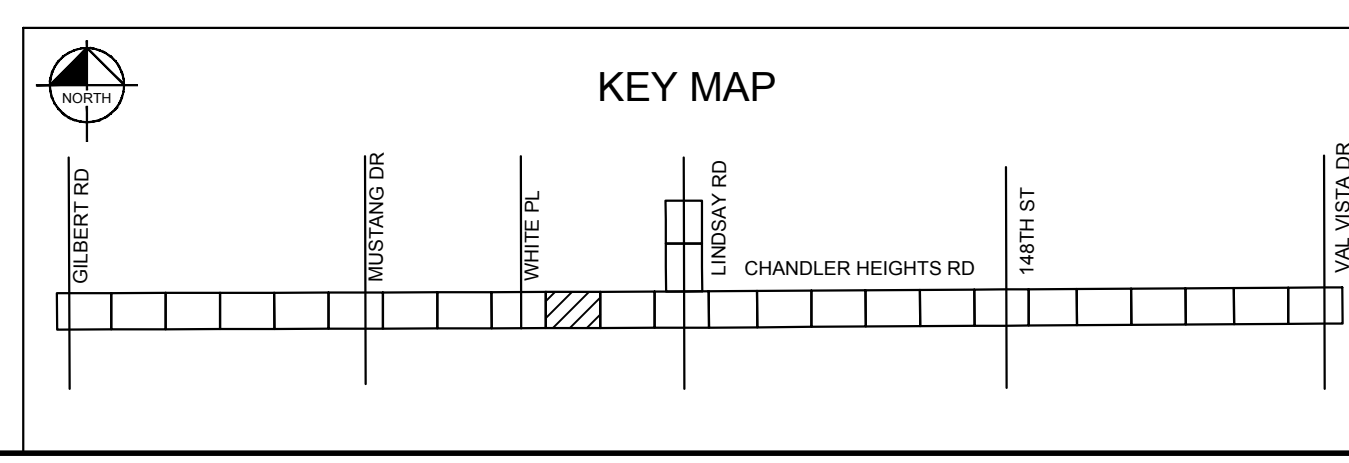


SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 CHANDLER HEIGHTS RD PAVING PLAN  
 STA 260+50 TO STA 265+00

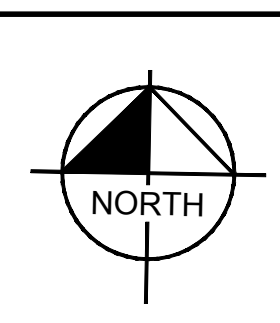
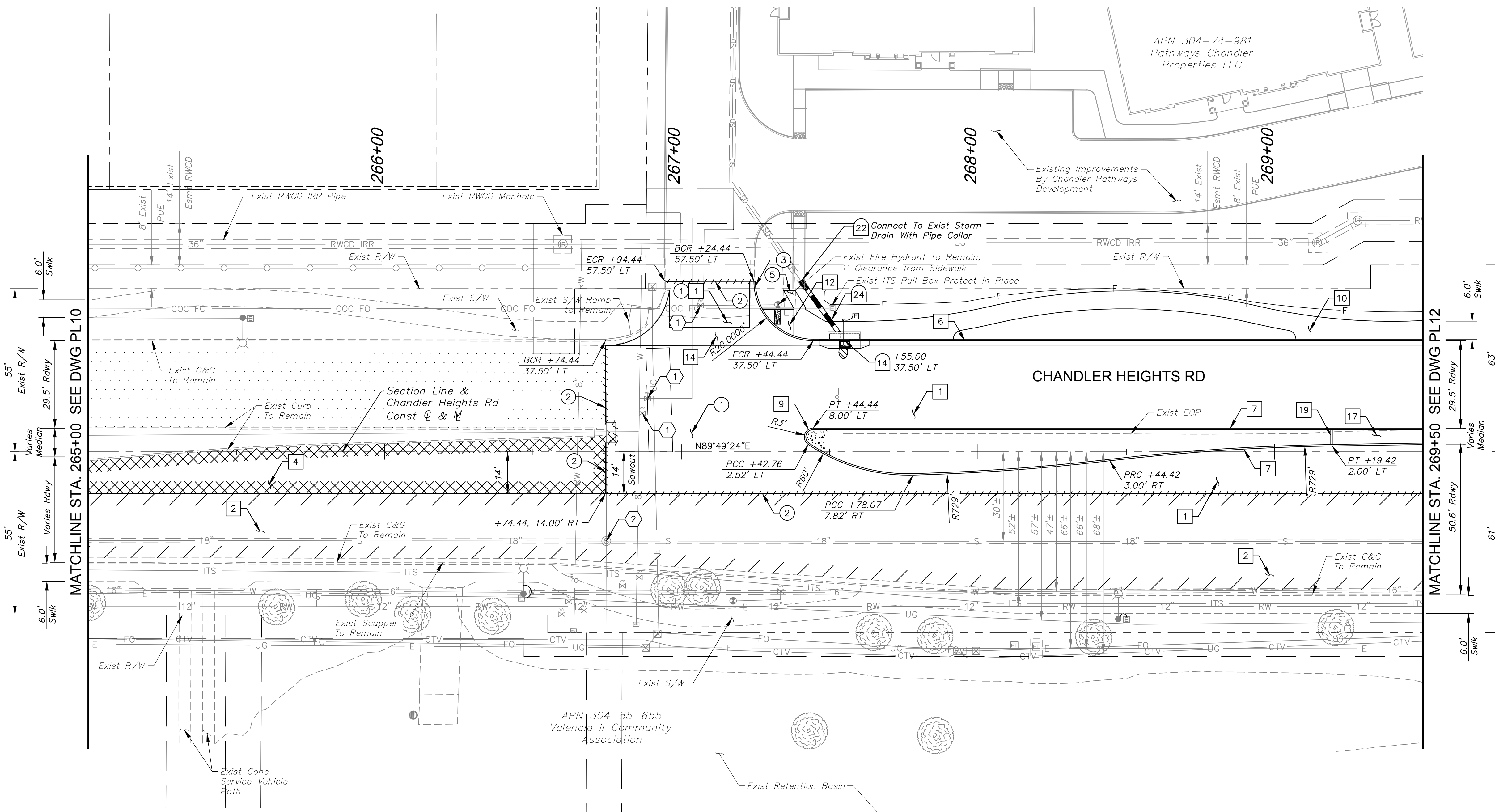
CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	PL10
19 OF 135	

- SHEET NOTES**
- Dimensions and offsets are to the face of curb unless otherwise noted.
  - See DWG SLO3 for Street Lighting Plans.



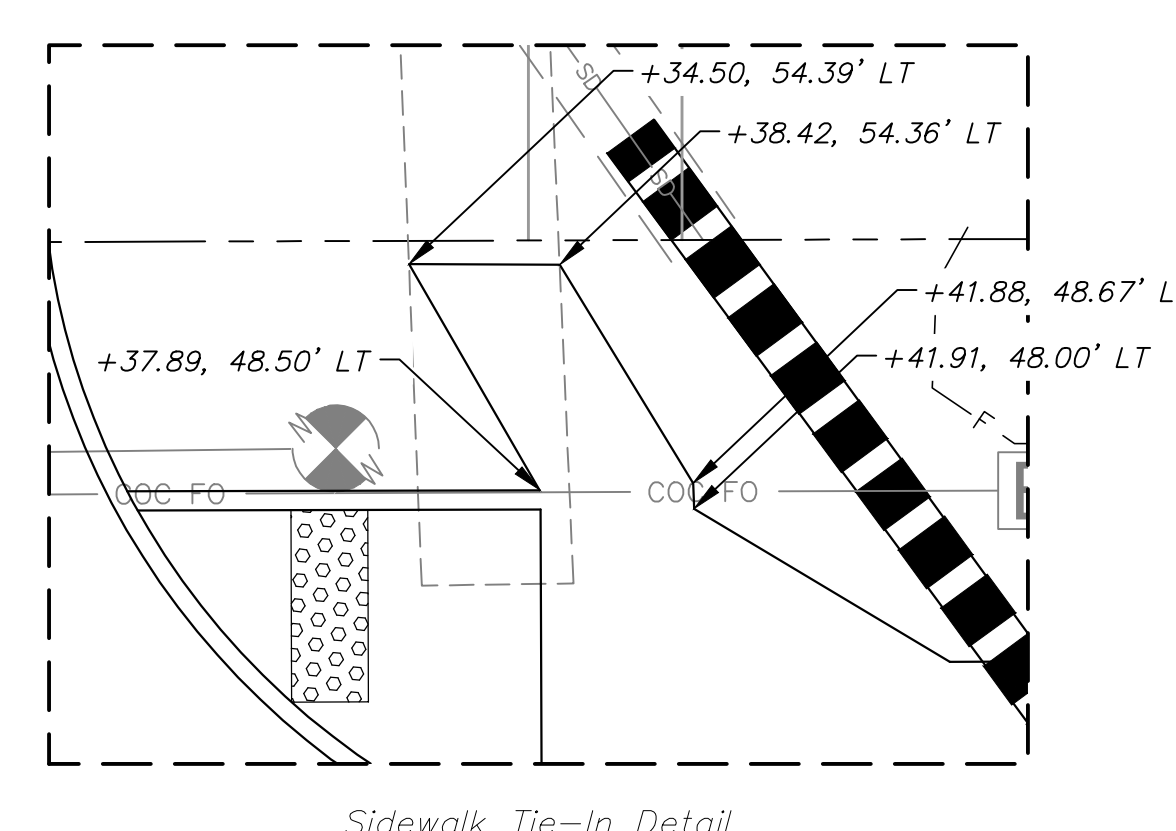
C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah, Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS, Layout: PL11, April 22, 2024, 04:41:31pm, K:\PHK\_Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista-Cadd\2-Drawings\191466010\_PL11.dwg



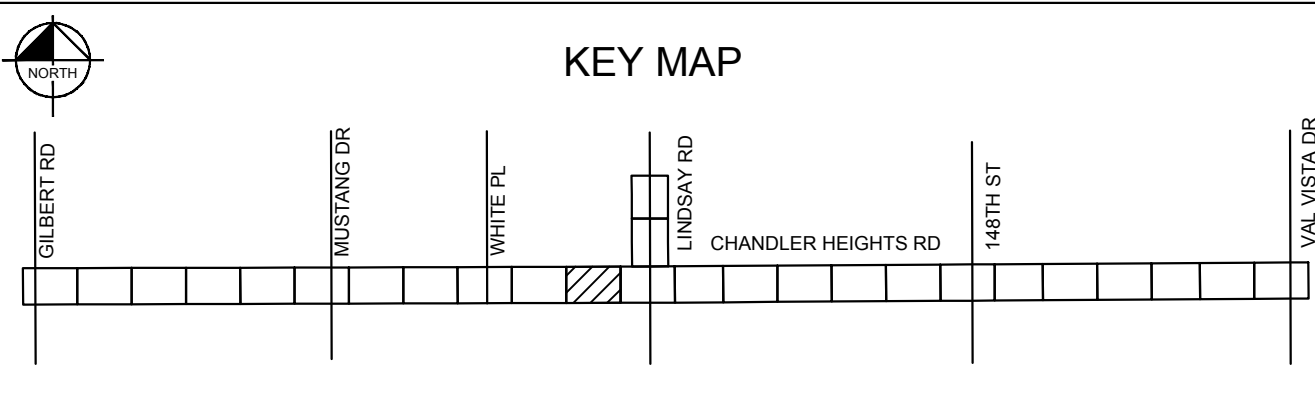
MATCHLINE STA. 269+50 SEE DWG PL12

MATCHLINE STA. 265+00 SEE DWG PL10



Sidewalk Tie-In Detail

- SHEET NOTES**
1. Dimensions and offsets are to the face of curb unless otherwise noted.
  2. See DWG PR11 for Paving Profile.
  3. See DWG CP01 for Connector Pipe Profiles.
  4. See DWG SLO3 for Street Lighting Plans.



**CONSTRUCTION NOTES**

NO.	DESCRIPTION	QTY	UNIT
1	AC Pavement Per Structural Section No. 1, See DWG TX01	1,338	SY
2	AC Pavement Per Structural Section No. 2, See DWG TX01	1,346	SY
4	Surface Seal	311	SY
6	Concrete Curb & Gutter Per MAG Dtl 220-1, Type 'A', H=6"	237	LF
7	Concrete Single Curb Per MAG 426 Dtl 222, Type 'A', H=6"	426	LF
9	End Of Median Ramp Per COC Dtl C-225	1	EA
10	Concrete Sidewalk Per MAG Dtl 230, 6' (Typ)	1,393	SF
12	Concrete Sidewalk Ramp Per COC Dtl C-257 & C-249	1	EA
14	Concrete Valley Gutter Per MAG Dtl 240	361	SF
17	Interlocking Paving Blocks, See DWG LS05 for Details	-	-
19	Concrete Header (6"), See DWG LS05 for Details	6	LF

**DRAINAGE NOTES**

NO.	DESCRIPTION	QTY	UNIT
14	Catch Basin Per MAG Dtl 533, Double Wing L=3', With Bicycle Safe Grate. Storm Drain Inlet Marker Per COC Dtl C-508	1	EA
22	Concrete Pipe Collar Per MAG Dtl 505	1	EA
24	18" RGRCP Storm Drain, Class IV	21	LF

**UTILITY NOTES**

NO.	DESCRIPTION	QTY	UNIT
1	Adjust Valve Box and Cover Per MAG Dtl 391, Type 'C', with Concrete Collar Per COC Dtl C-307	3	EA
2	Remove and Replace Existing Cast Iron Manhole Frame and Cover with Composite Manhole Frame and Cover Per COC Dtl C-400, and Adjust to Grade Per COC Dtl C-401, Type 'B'	1	EA

**REMOVAL NOTES**

NO.	DESCRIPTION	QTY	UNIT
1	Remove & Dispose Existing AC Pavement	1,105	SY
2	Sawcut Existing Pavement (Full Depth)	-	-
3	Remove & Dispose Existing Curb or Curb & Gutter	2	LF
5	Remove & Dispose Existing Concrete Sidewalks, Driveways, and Slabs	32	SF

**GRAPHIC SCALE IN FEET**

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**Professional Engineer/Professional Surveyor**  
73864 RYAN MARKS  
04/22/2024  
ARIZONA USA

SCALE (H): 1"=20'  
SCALE (V): N/A  
DESIGNED BY: RSM  
DRAWN BY: DLR  
CHECKED BY: CCW  
DATE: 03/2024

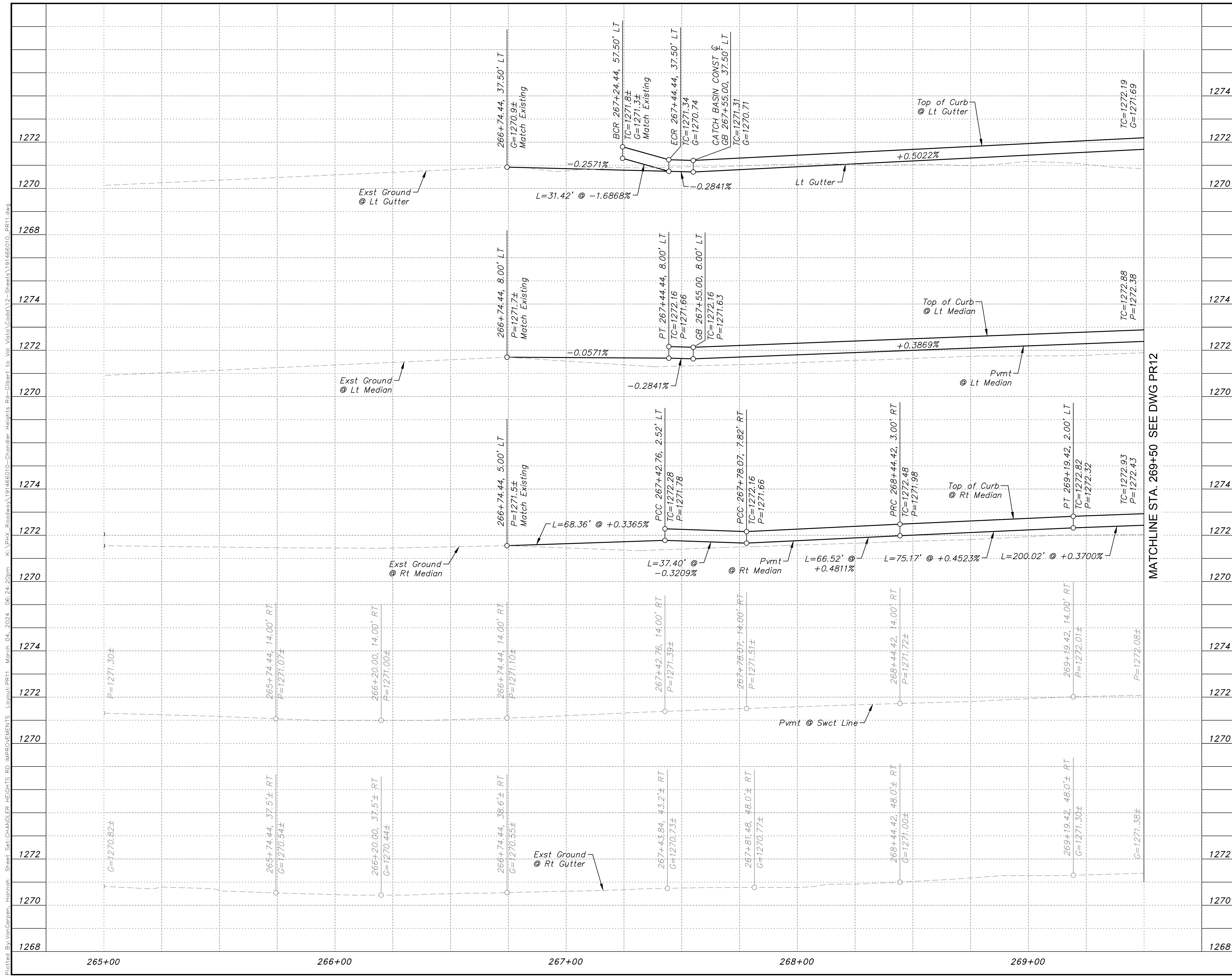
**CITY OF CHANDLER**  
CHANDLER HEIGHTS RD IMPROVEMENTS  
CHANDLER HEIGHTS RD PAVING PLAN  
STA 265+00 TO STA 269+50

CITY PROJECT NO. ST1804.401  
FEDERAL NO. CHN-0(244)D  
ADOT NO. T0203.01C

SHEET DWG PL11  
20 OF 135

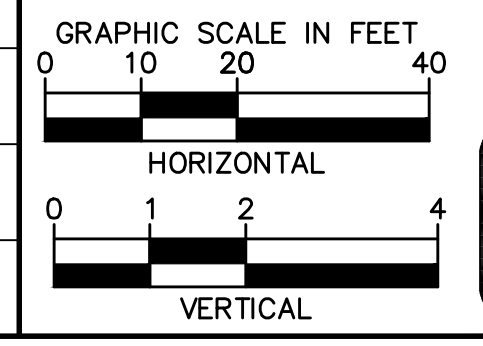
C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah Sheet: Sct: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: PR11 March 04, 2024 06:24:20pm K:\PHX\_Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista-Cadd\12-Sheets\191466010\_PR11.dwg



SHEET NOTES	
1. See DWG PL11 for Paving Plan.	
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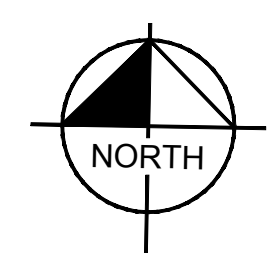
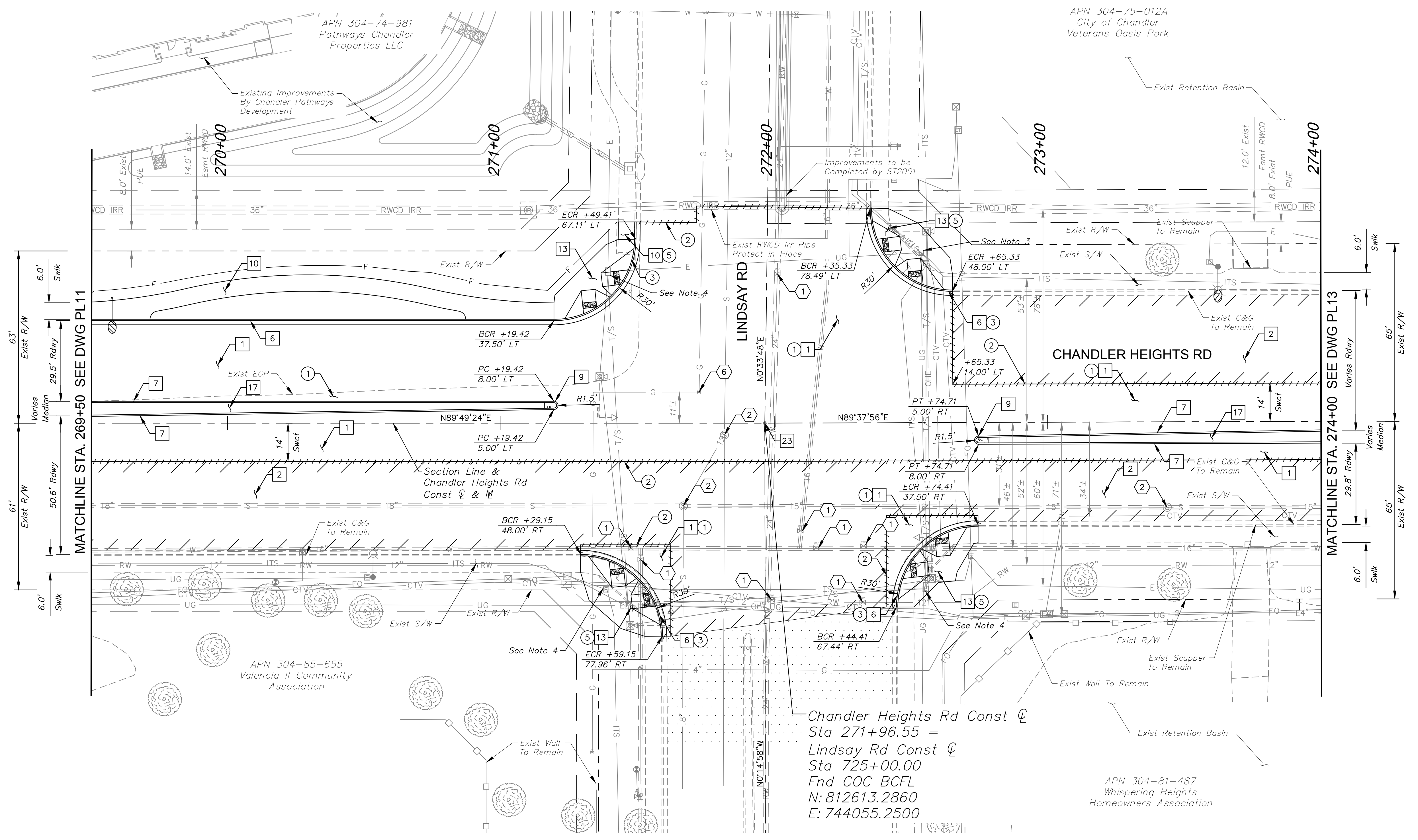
MATCHLINE STA. 269+50 SEE DWG PR12



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		REVISIONS	BY
SCALE (H):	1"=20'	DESIGNED BY:	RSM
SCALE (V):	1"=2'	DRAWN BY:	DLR
CHECKED BY:	CCW	DATE:	03/2024
<b>CITY OF CHANDLER</b> <b>CHANDLER HEIGHTS RD IMPROVEMENTS</b> <b>CHANDLER HEIGHTS RD PAVING PROFILE</b> <b>STA 265+00 TO STA 269+50</b>			
CITY PROJECT NO. ST1804.401 FEDERAL NO. CHN-0(244)D ADOT NO. T0203 01C			
SHEET DWG PR11			
21 OF 135			

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGorp, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: PL12 - March 04, 2024 - 06:25:09pm - K:\PHX\_Roadway\191466010-CHandler Heights Rd- Streets\191466010\_PL12.dwg

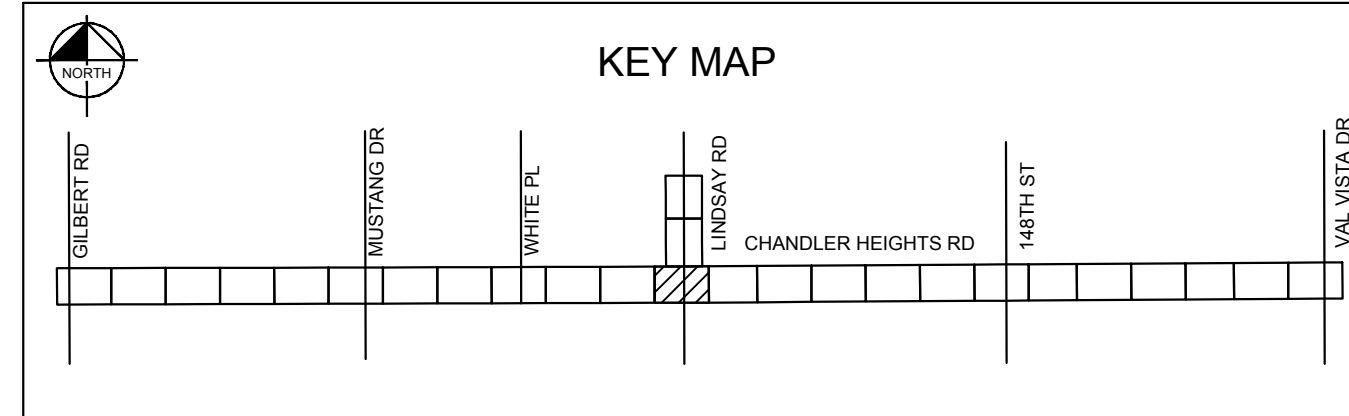


CONSTRUCTION NOTES		
NO.	DESCRIPTION	QTY UNIT
1	AC Pavement Per Structural Section No. 1, See DWG TX01	2,575 SY
2	AC Pavement Per Structural Section No. 2, See DWG TX01	2,143 SY
6	Concrete Curb & Gutter Per MAG Dtl 220-1, Type 'A', H=6"	364 LF
7	Concrete Single Curb Per MAG Dtl 222, Type 'A', H=6"	599 LF
9	End Of Median Ramp Per COC Dtl C-225	2 EA
10	Concrete Sidewalk Per MAG Dtl 230, 6' (Typ)	1,120 SF
13	Concrete Sidewalk Ramp Per COC Dtl C-258 & C-249	4 EA
17	Interlocking Paving Blocks, See DWG LS06 for Details	-
23	Survey Marker Per MAG Dtl 120-1, Type 'A'	1 EA

UTILITY NOTES		
NO.	DESCRIPTION	QTY UNIT
1	Adjust Valve Box And Cover Per MAG Dtl 391, Type 'C', With Concrete Collar Per COC Dtl C-307	8 EA
2	Remove and Replace Existing Cast Iron Manhole Frame and Cover with Composite Manhole Frame and Cover Per COC Dtl C-400, and Adjust to Grade Per COC Dtl C-401, Type 'B'	3 EA
6	Adjust Valve Box and Cover (Non-City Utility)	1 EA

REMOVAL NOTES		
NO.	DESCRIPTION	QTY UNIT
1	Remove & Dispose Existing AC Pavement	2,174 SY
2	Sawcut Existing Pavement (Full Depth)	-
3	Remove & Dispose Existing Curb & Gutter	158 LF
5	Remove & Dispose Existing Concrete Sidewalks, Driveways, and Slabs	880 SF

- SHEET NOTES**
- Dimensions and offsets are to the face of curb unless otherwise noted.
  - See DWG PR12 for Paving Profile.
  - See DWG SW03 for Sidewalk Ramp Details
  - See DWG TS01 - TS03 for Traffic Signal Plans.
  - See DWG SL03 for Street Lighting Plans.



GRAPHIC SCALE IN FEET: 0, 10, 20, 40

Call at least two full working days before you begin excavation.

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NO.	REVISIONS	BY	DATE
© 2018 KIMLEY-HORN AND ASSOCIATES, INC. 7740 N. 16TH STREET, SUITE 300, PHOENIX, AZ 85020 PHONE: 602-944-5500 FAX: 602-944-7423 WWW.KIMLEY-HORN.COM			
SCALE (H):	1"=20'	DESIGNED BY:	RSM
SCALE (V):	N/A	DRAWN BY:	DLR
CHECKED BY:	CCW	DATE:	03/2024
<b>CITY OF CHANDLER</b> <b>CHANDLER HEIGHTS RD IMPROVEMENTS</b> <b>CHANDLER HEIGHTS RD PAVING PLAN</b> <b>STA 269+50 TO STA 274+00</b>			
CITY PROJECT NO. ST1804.401 FEDERAL NO. CHN-0244JD ADOT NO. T0203.01C			
SHEET DWG PL12			
22 OF 135			

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah Sheet: Sct: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: PR12 March 04, 2024 08:25:51pm K:\PHX\_Roadway\191466010-Chandler Heights Rd-Grid\12-Sheets\191466010-PR12.dwg



**SHEET NOTES**

- See DWG PL12 for Paving Plan.

**MATCHLINE STA. 269+50 SEE DWG PR11**

**MATCHLINE STA. 274+00 SEE DWG PR13**

**GRAPHIC SCALE IN FEET**

HORIZONTAL: 0 10 20 40

VERTICAL: 0 1 2 4

**ARIZONA 811**

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SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

**CITY OF CHANDLER**

**CHANDLER HEIGHTS RD IMPROVEMENTS**

**CHANDLER HEIGHTS RD PAVING PROFILE**

**STA 269+50 TO STA 274+00**

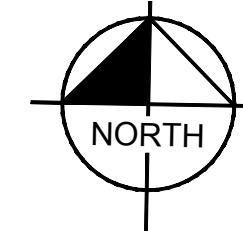
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FEDERAL NO.	CHN-0244JD
ADOT NO.	T0203.01C
SHEET DWG	PR12
23 OF 135	

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS



Plotted By: VanGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: PL13 - March 04, 2024 - 06:26:25pm - K:\PHX-Roadway\191466010-CHandler Heights Rd-Sheets\191466010\_PL13.dwg

APN 304-75-012A  
City of Chandler  
Veterans Oasis Park



**CONSTRUCTION NOTES**

NO.	DESCRIPTION	QTY	UNIT
1	AC Pavement Per Structural Section No. 1, See DWG TX01	884	SY
2	AC Pavement Per Structural Section No. 2, See DWG TX01	2,071	SY
7	Concrete Single Curb Per MAG 801 Dtl 222, Type 'A', H=6"		LF
17	Interlocking Paving Blocks, See DWG LS07 for Details	-	-
19	Concrete Header (6"), See DWG LS07 for Details	12	LF

**UTILITY NOTES**

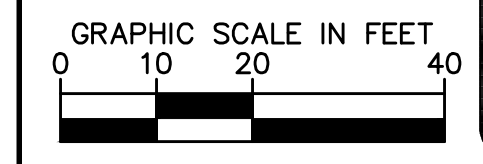
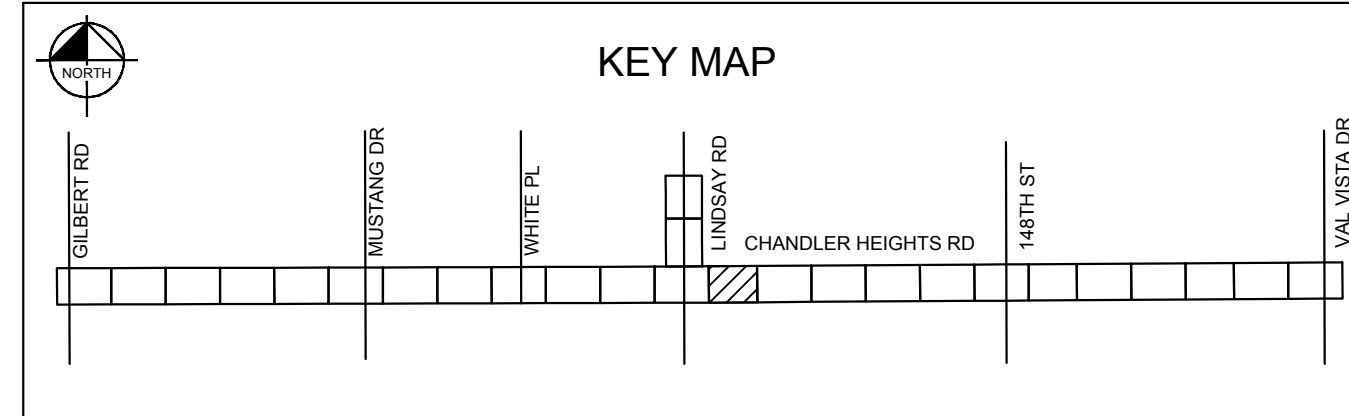
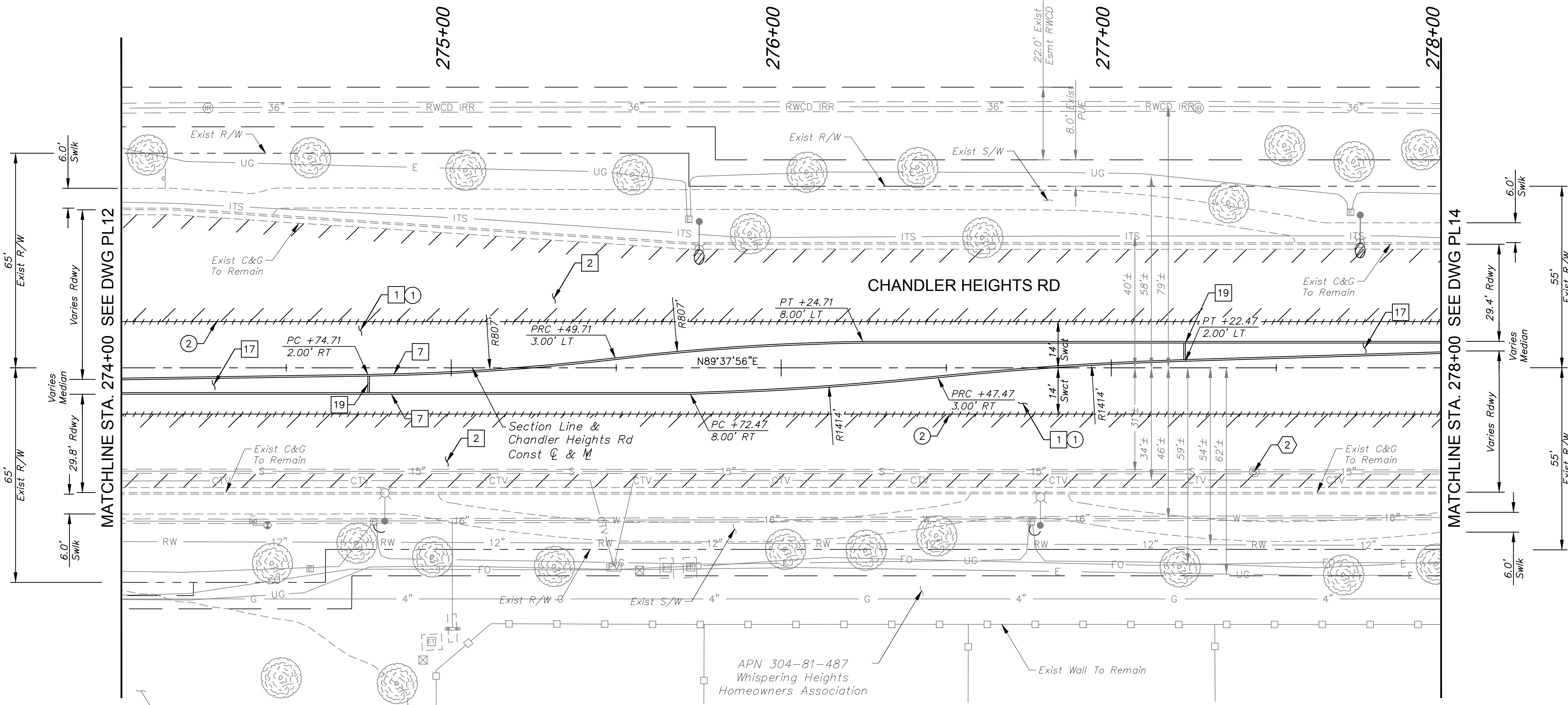
NO.	DESCRIPTION	QTY	UNIT
2	Remove and Replace Existing Cast Iron Manhole Frame and Cover with Composite Manhole Frame and Cover Per COC Dtl C-400, and Adjust to Grade Per COC Dtl C-401, Type 'B'	1	EA

**REMOVAL NOTES**

NO.	DESCRIPTION	QTY	UNIT
1	Remove & Dispose Existing AC Pavement	1,244	SY
2	Sawcut Existing Pavement (Full Depth)	-	-

**SHEET NOTES**

- Dimensions and offsets are to the face of curb unless otherwise noted.
- See DWG PR13 for Paving Profile.
- See DWG SL04 for Street Lighting Plans.



NO.	DATE	BY

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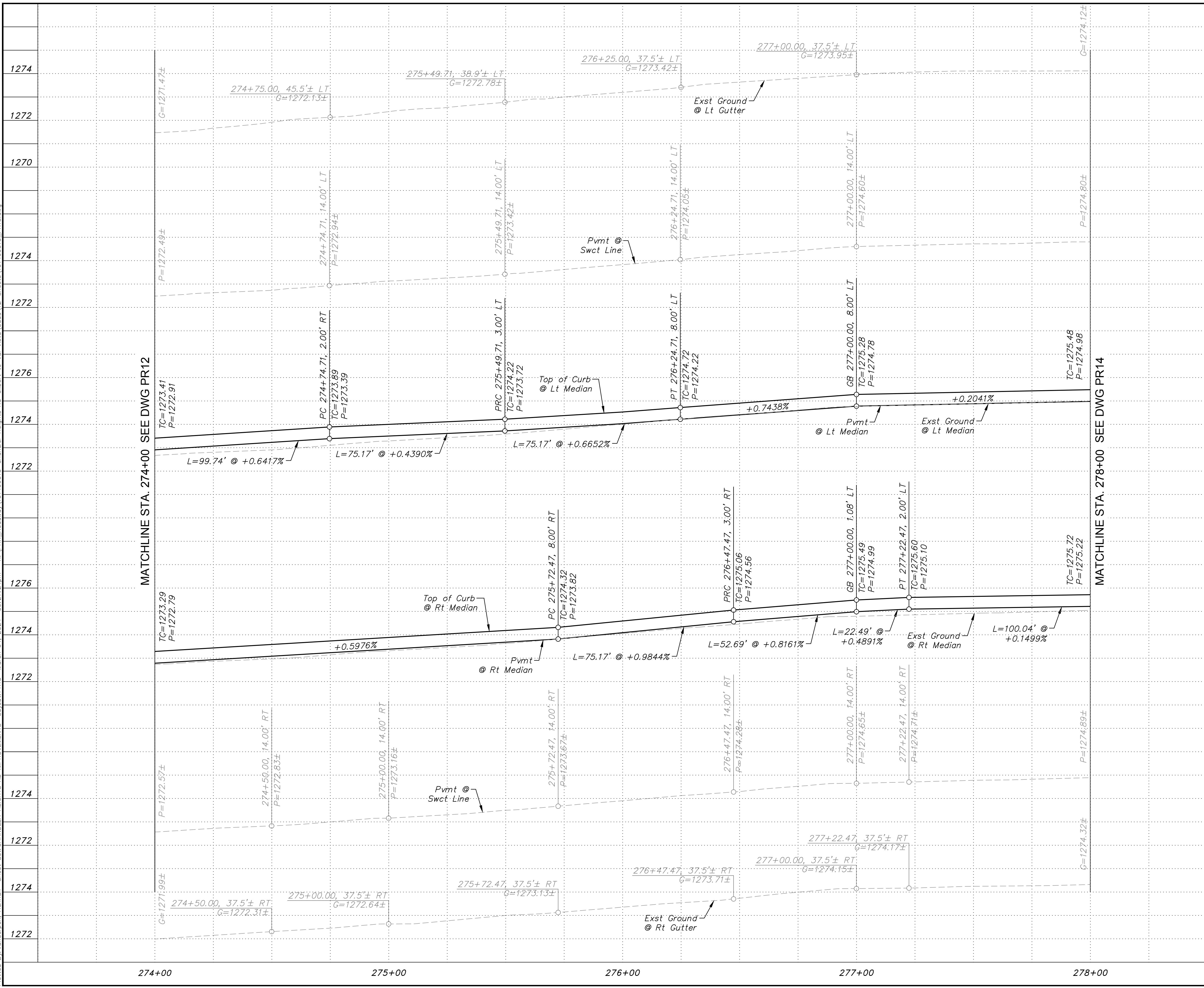
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SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**CHANDLER HEIGHTS RD PAVING PLAN**  
**STA 274+00 TO STA 278+00**

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	PL13
24 OF 135	

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGorp, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: PR13 - March 04, 2024 - 08:27:24pm - K:\PHX\_Roadwork\191466010-Chandler Heights Rd - Sheets\191466010\_PR13.dwg



SHEET NOTES	
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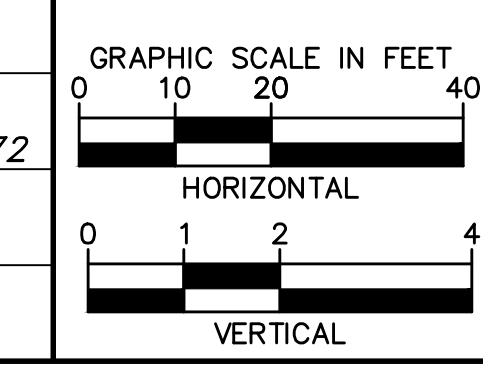


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SCALE (V):	1"=2'
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 CHANDLER HEIGHTS RD PAVING PROFILE  
 STA 274+00 TO STA 278+00

CITY PROJECT NO. ST1804.401  
 FEDERAL NO. CHN-0244JD  
 ADOT NO. T0203.01C

SHEET DWG PR13  
 25 OF 135

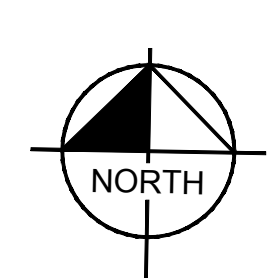
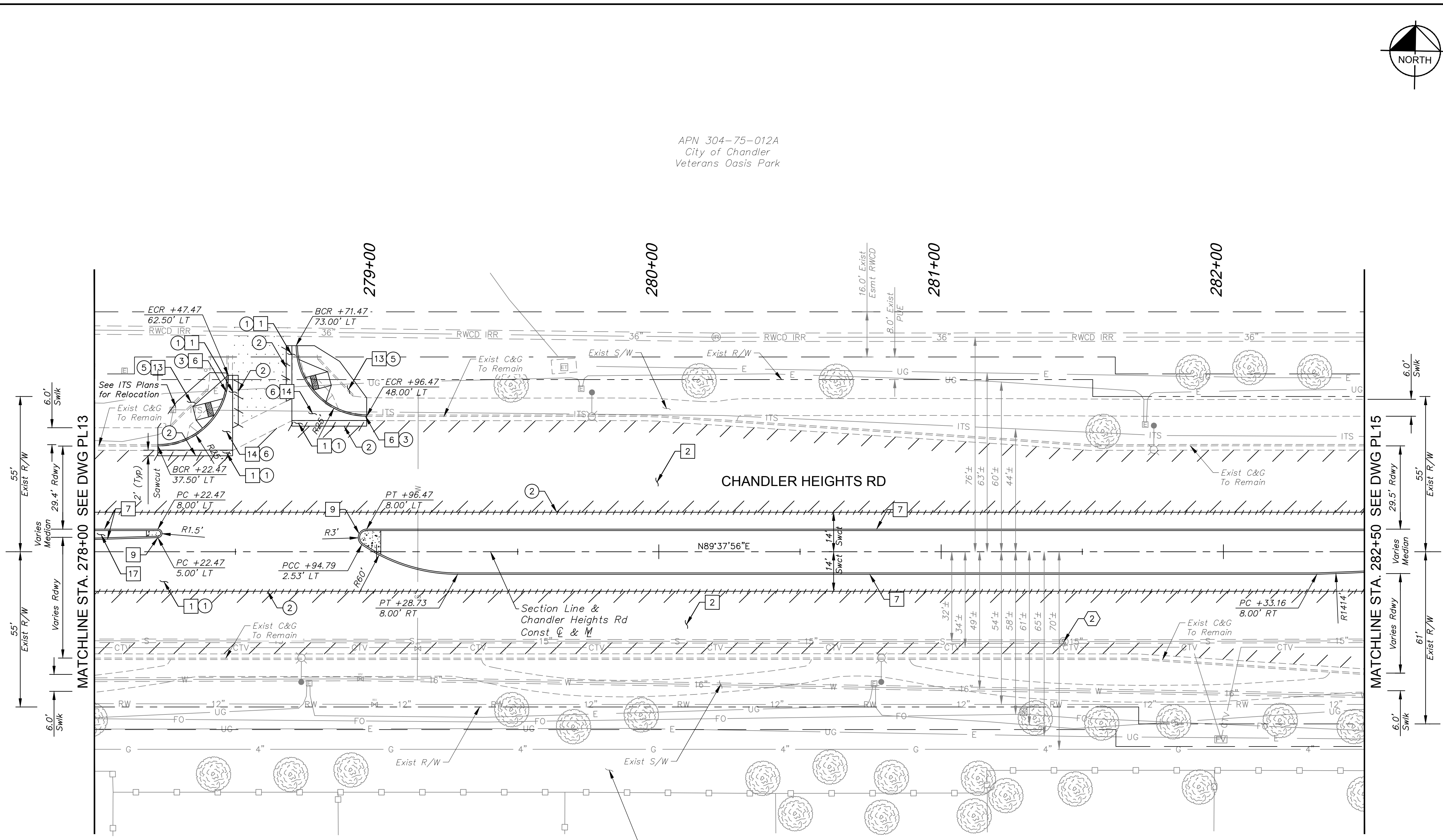


C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

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APN 304-75-012A  
City of Chandler  
Veterans Oasis Park

APN 304-81-487  
Whispering Heights  
Homeowners Association



CONSTRUCTION NOTES		
NO.	DESCRIPTION	QTY UNIT
1	AC Pavement Per Structural Section No. 1, See DWG TX01	793 SY
2	AC Pavement Per Structural Section No. 2, See DWG TX01	2,470 SY
6	Concrete Curb & Gutter Per MAG Dtl 220-1, Type 'A', H=6"	79 LF
7	Concrete Single Curb Per MAG 768 Dtl 222, Type 'A', H=6"	LF
9	End Of Median Ramp Per COC C-225	2 EA
13	Concrete Sidewalk Ramp Per COC Dtl C-258 & C-249	2 EA
14	Concrete Valley Gutter Per MAG Dtl 240	302 SF
17	Interlocking Paving Blocks, See DWG LS08 for Details	-

UTILITY NOTES		
NO.	DESCRIPTION	QTY UNIT
2	Remove and Replace Existing Cast Iron Manhole Frame and Cover with Composite Manhole Frame and Cover Per COC Dtl C-400, and Adjust to Grade Per COC Dtl C-401, Type 'B'	1 EA

REMOVAL NOTES		
NO.	DESCRIPTION	QTY UNIT
1	Remove & Dispose Existing AC Pavement	1,420 SY
2	Sawcut Existing Pavement (Full Depth)	-
3	Remove & Dispose Existing Curb & Gutter	79 LF
5	Remove & Dispose Existing Concrete Sidewalks, Driveways, and Slabs	469 SF
6	Remove & Dispose Existing Valley Gutter	302 SF

SHEET NOTES		
1. Dimensions and offsets are to the face of curb unless otherwise noted.		
2. See DWG SW01 for Sidewalk Ramp Details		
3. See DWG PR14 for Paving Profile.		
4. See DWG SL04 for Street Lighting Plans.		

NO.	REVISIONS	DATE	BY

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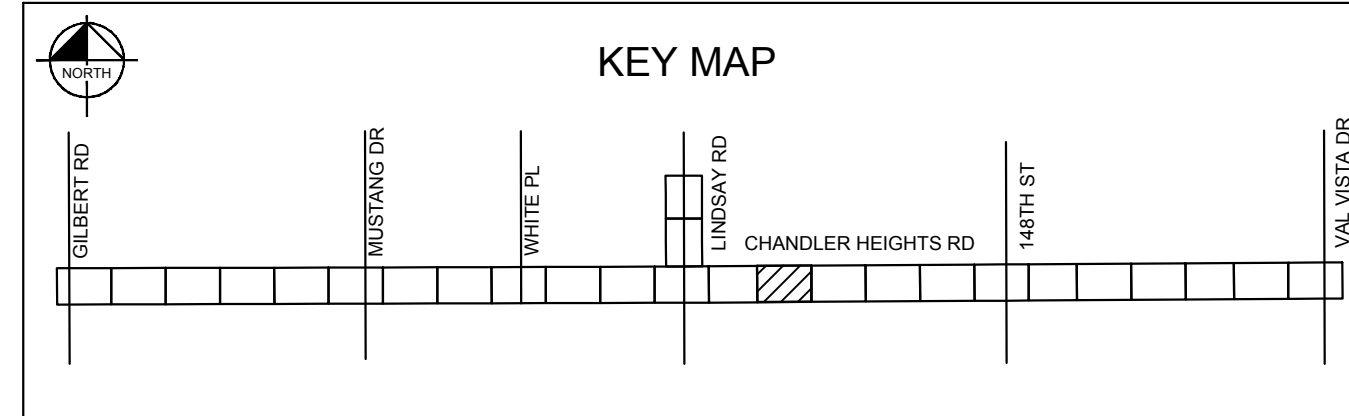
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SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/20/24

CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
CHANDLER HEIGHTS RD PAVING PLAN  
STA 278+00 TO STA 282+50

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	PL14
26	OF 135



GRAPHIC SCALE IN FEET

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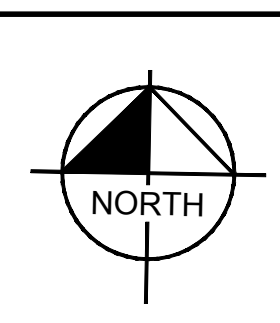
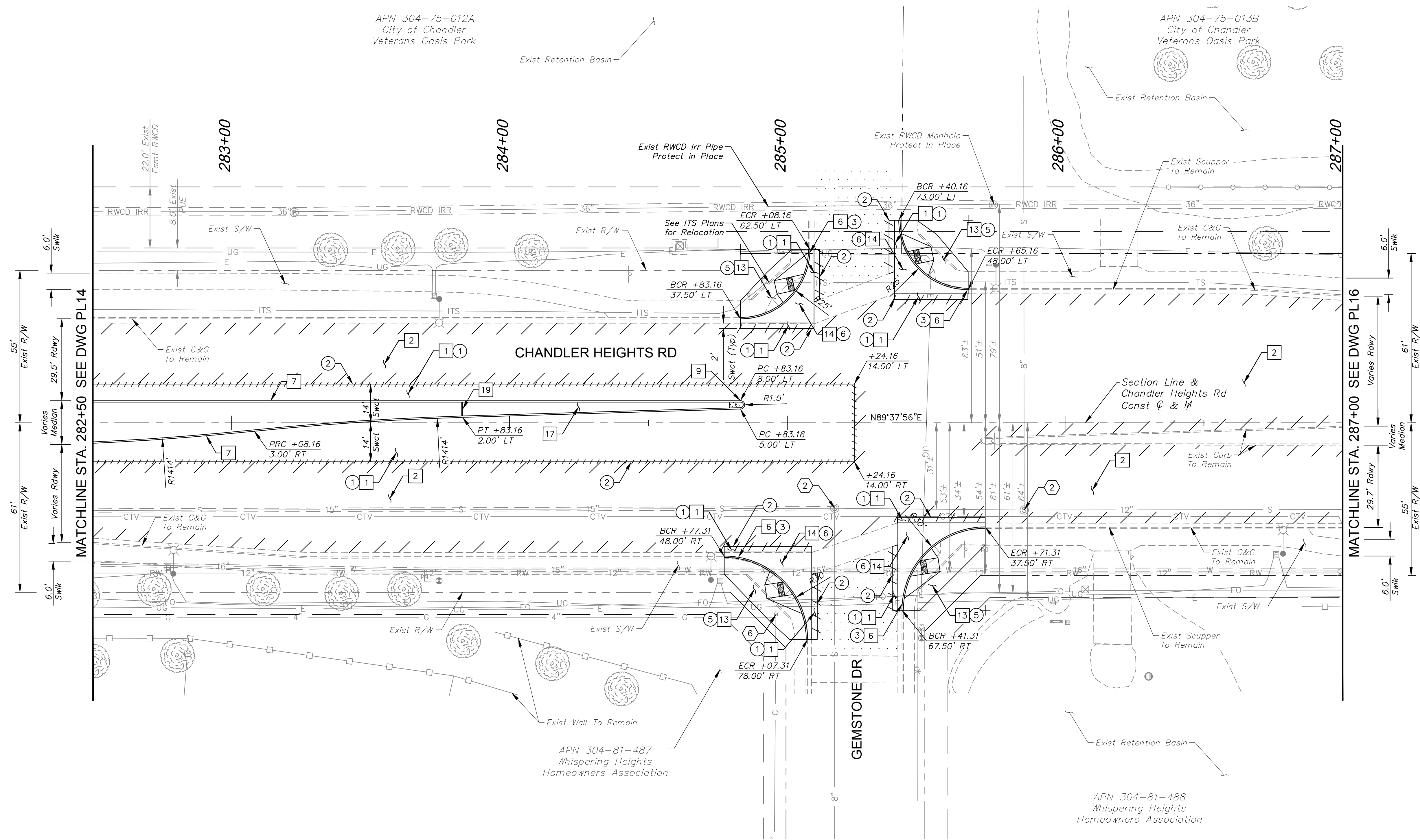
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C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS



Plotted By: VanGerpen, Hannah, Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS, Layout: PL15, March 04, 2024, 06:29:17pm, K:\PHX-Roadway\191466D10-CHandler Heights Rd-Vista-Cadd\12-Sheets\191466D10-PL15.dwg



CONSTRUCTION NOTES		
NO.	DESCRIPTION	QTY UNIT
1	AC Pavement Per Structural Section No. 1, See DWG TX01	693 SY
2	AC Pavement Per Structural Section No. 2, See DWG TX01	3,164 SY
6	Concrete Curb & Gutter Per MAG Dtl 220-1, Type 'A', H=6"	173 LF
7	Concrete Single Curb Per MAG Dtl 222, Type 'A', H=6"	471 LF
9	End Of Median Ramp Per COC Dtl C-225	1 EA
13	Concrete Sidewalk Ramp Per COC Dtl C-258 & C-249	4 EA
14	Concrete Valley Gutter Per MAG Dtl 240	728 SF
17	Interlocking Paving Blocks, See DWG LS09 for Details	-
19	Concrete Header (6"), See DWG LS09 for Details	6 LF

UTILITY NOTES		
NO.	DESCRIPTION	QTY UNIT
2	Remove and Replace Existing Cast Iron Manhole Frame and Cover with Composite Manhole Frame and Cover Per COC Dtl C-400, and Adjust to Grade Per COC Dtl C-401, Type 'B'	2 EA
6	Adjust Valve Box and Cover (Non-City Utility)	1 EA

REMOVAL NOTES		
NO.	DESCRIPTION	QTY UNIT
1	Remove & Dispose Existing AC Pavement	897 SY
2	Sawcut Existing Pavement (Full Depth)	-
3	Remove & Dispose Existing Curb & Gutter	173 LF
5	Remove & Dispose Existing Concrete Sidewalks, Driveways, and Slabs	931 SF
6	Remove & Dispose Existing Valley Gutter	728 SF

**SHEET NOTES**

- Dimensions and offsets are to the face of curb unless otherwise noted.
- See DWG SW04 for Sidewalk Ramp Details
- See DWG PR15 for Paving Profile.
- See DWG SL04 for Street Lighting Plans.

GRAPHIC SCALE IN FEET  
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Professional Engineer  
 CERTIFICATE NO. 73864  
 RYAN MARKS  
 LICENSED IN THE STATE OF ARIZONA, U.S.A.

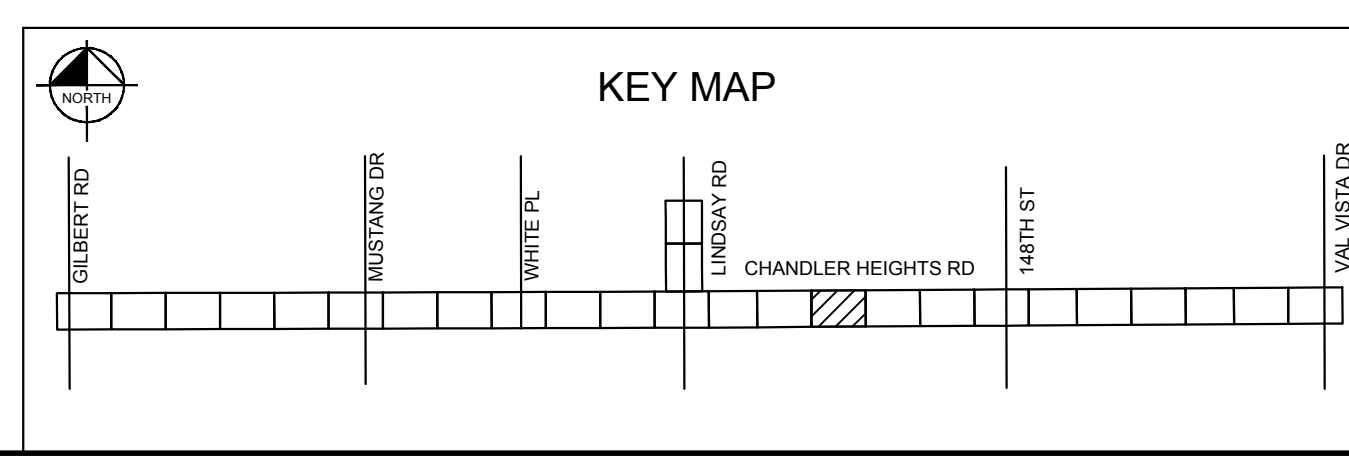
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 DATE: 03/2024

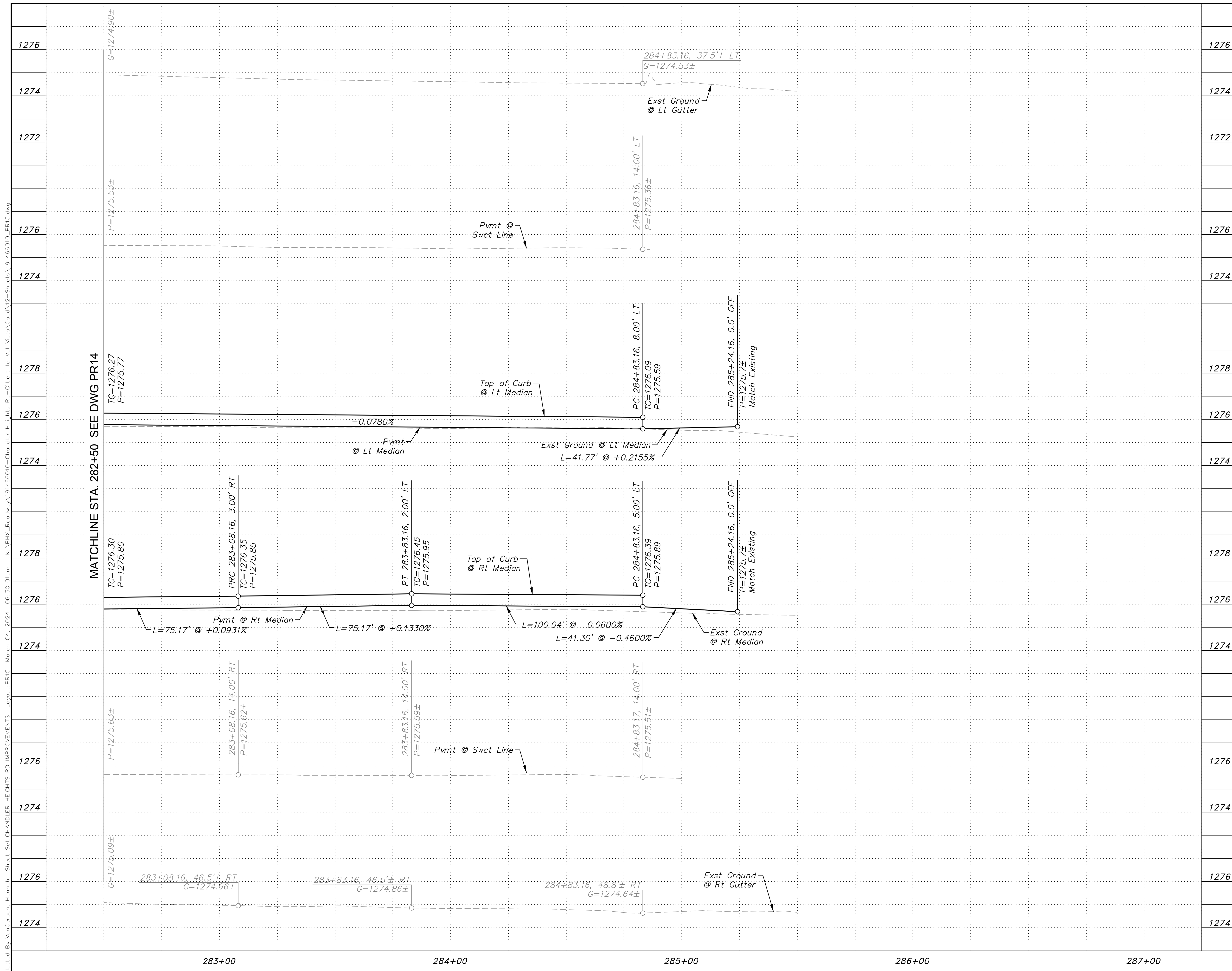
CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 CHANDLER HEIGHTS RD PAVING PLAN  
 STA 282+50 TO STA 287+00

CITY PROJECT NO. ST1804.401  
 FEDERAL NO. CHN-0(244)D  
 ADOT NO. T0203.01C

SHEET DWG PL15  
 28 OF 135

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS





SHEET NOTES	
1276	1. See DWG PL15 for Paving Plan.
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MATCHLINE STA. 282+50 SEE DWG PR14

No.	REVISIONS	DATE	BY

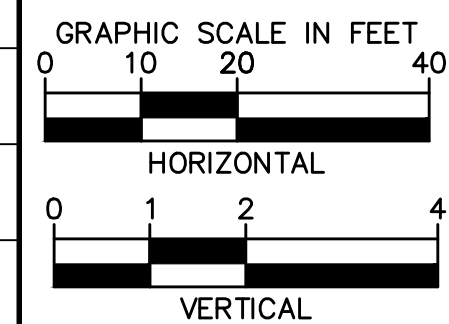
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SCALE (H):	1"=20'
SCALE (V):	1"=2'
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 CHANDLER HEIGHTS RD PAVING PROFILE  
 STA 282+50 TO STA 287+00

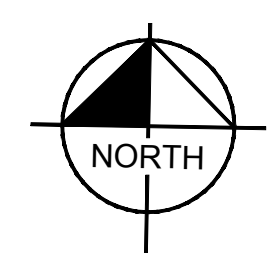
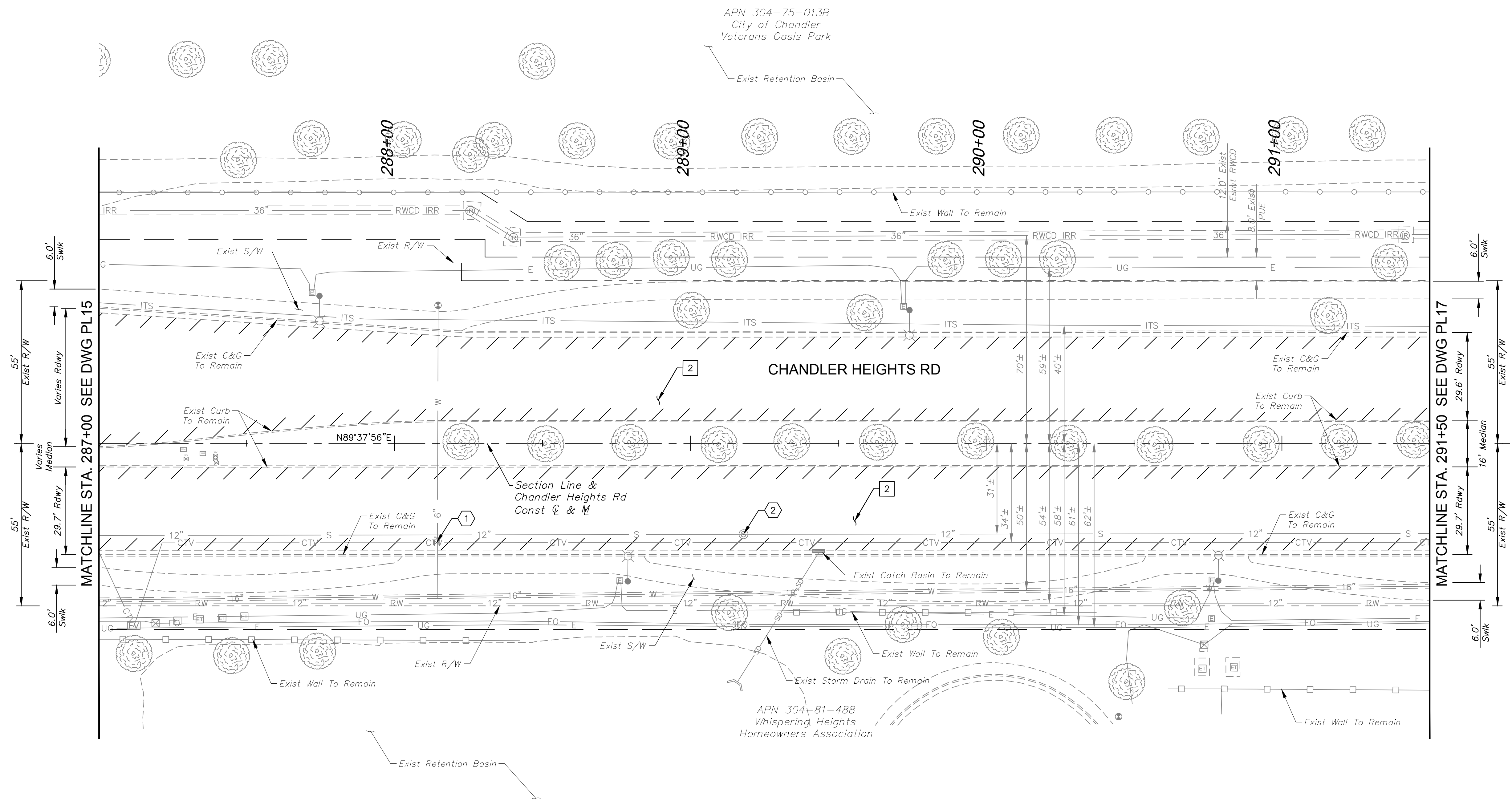
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FEDERAL NO.	CHN-0244JD
ADOT NO.	T0203.01C
SHEET DWG	PR15
29	OF 135



Plotted By: VanGerpen, Hannah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: PR15 March 04, 2024 06:30:01pm K:\PHX\_Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista Corridor\12-Sheets\191466010\_PR15.dwg

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: PL16 - March 04, 2024 - 06:30:40pm - K:\PHX\_Roadwork\191466010-Chandler Heights Rd-Gilbert to Val Vista-Cadd\12-Sheets\191466010\_PL16.dwg



CONSTRUCTION NOTES		
NO.	DESCRIPTION	QTY UNIT
2	AC Pavement Per Structural Section No. 2, See DWG TX01	2,923 SY

UTILITY NOTES		
NO.	DESCRIPTION	QTY UNIT
1	Adjust Valve Box and Cover Per MAG Dtl 391, Type 'C', with Concrete Collar Per COC Dtl C-307	1 EA
2	Remove and Replace Existing Cast Iron Manhole Frame and Cover with Composite Manhole Frame and Cover Per COC Dtl C-400, and Adjust to Grade Per COC Dtl C-401, Type 'B'	1 EA

REVISIONS		
NO.	DATE	BY

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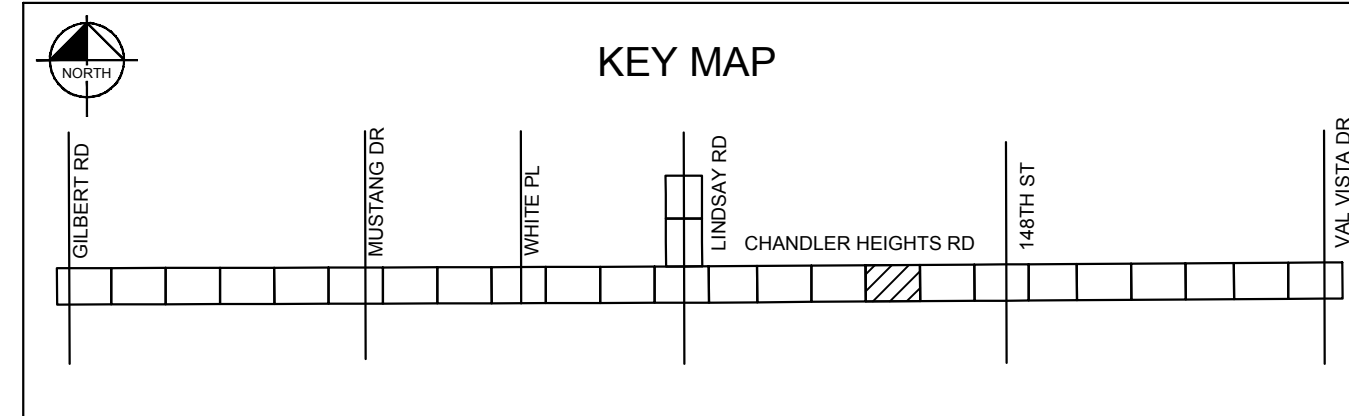
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SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 CHANDLER HEIGHTS RD PAVING PLAN  
 STA 287+00 TO STA 291+50

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	PL16
30 OF 135	

**SHEET NOTES**

- Dimensions and offsets are to the face of curb unless otherwise noted.
- See DWG SL04 for Street Lighting Plans.

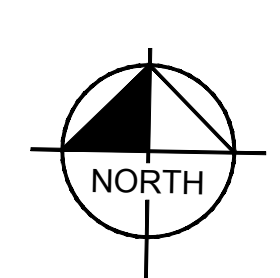
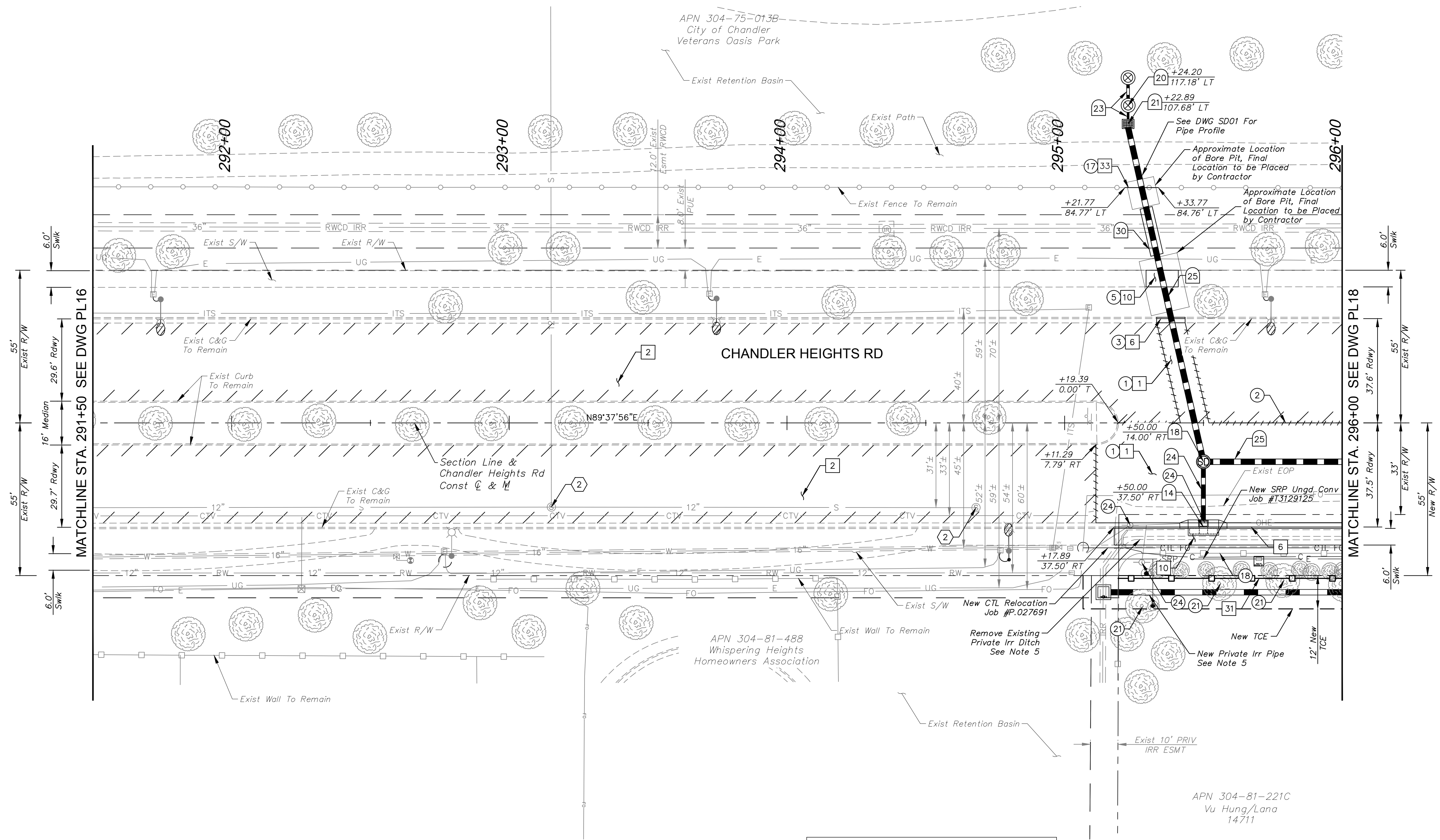


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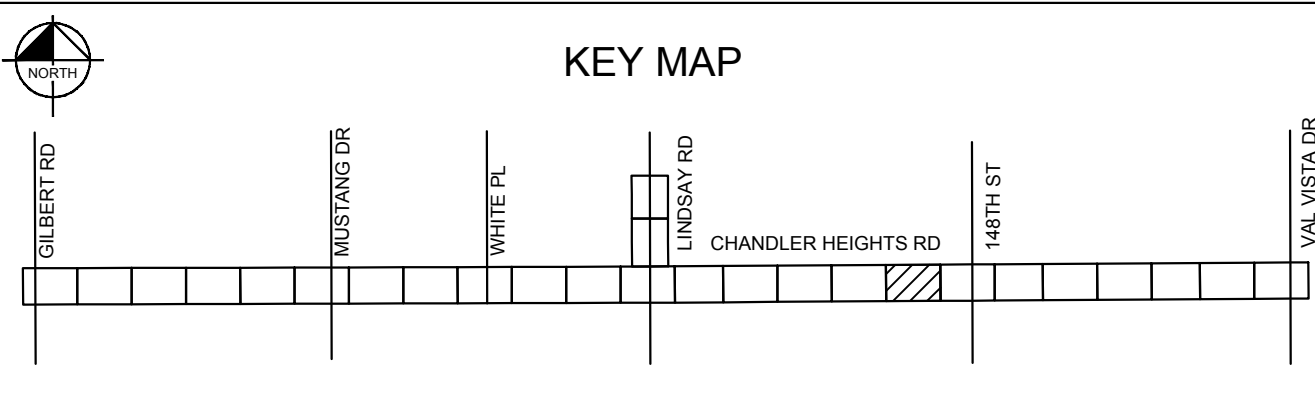
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C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: PL17 - April 10, 2024 - 11:52:54am - K:\PHK\_Roadway\191466010-CHandler Heights Rd-Gilbert to Val Vista-Cadd\12-Sheets\191466010\_PL17.dwg



- SHEET NOTES**
- Dimensions and offsets are to the face of curb unless otherwise noted.
  - See DWG PR17 for Paving Profile.
  - See DWG SD01-SD02 for Storm Drain Profile.
  - See DWG SL05 for Street Lighting Details.
  - See DWG PI02 & PI03 for Private Irrigation Plan and Profile.
  - See DWG CP01 for Connector Pipe Profiles.



**CONSTRUCTION NOTES**

NO.	DESCRIPTION	QTY	UNIT
1	AC Pavement Per Structural Section No. 1, See DWG TX01	390	SY
2	AC Pavement Per Structural Section No. 2, See DWG TX01	2,565	SY
6	Concrete Curb & Gutter Per MAG Dtl 220-1, Type 'A', H=6"	92	LF
10	Concrete Sidewalk Per MAG Dtl 230, 6' (Typ)	562	SF
31	New Full Wall, See DWG DTL01 for Detail	81	LF
33	New Fence (APN 304-75-013B), (Metal, Black, Match-in-Kind)	12	LF

**DRAINAGE NOTES**

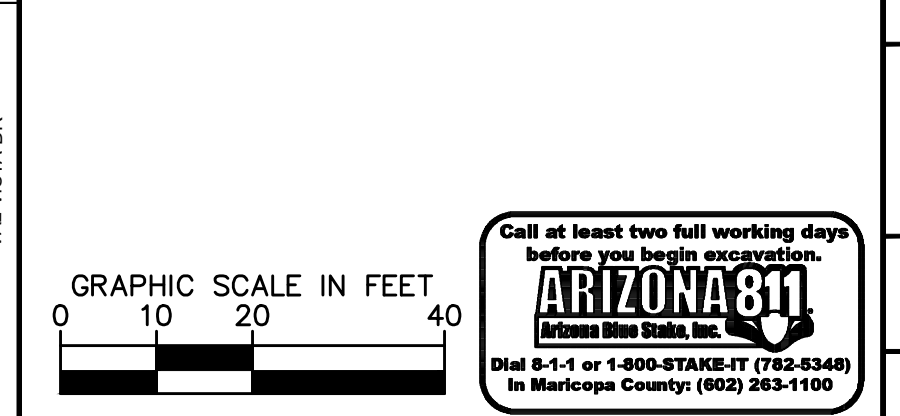
NO.	DESCRIPTION	QTY	UNIT
14	Catch Basin Per MAG Dtl 533, Double Wing L=3', with Bicycle Safe Gate. Storm Drain Inlet Marker Per COC Dtl C-508	1	EA
18	Manhole Per MAG Dtl 520 & 522, COC Dtl C-400 & C-401	1	EA
20	Drywell Per COC Dtl 501	1	EA
21	Bubble Up Structure Per COC Dtl C-507	1	EA
23	12" RGRCP Storm Drain, Class IV	8	LF
24	18" RGRCP Storm Drain, Class IV	18	LF
25	24" RGRCP Storm Drain, Class IV	173	LF
30	54" Smooth Steel Casing Pipe See Sheet 57 for Detail	17	LF

**UTILITY NOTES**

NO.	DESCRIPTION	QTY	UNIT
2	Remove and Replace Existing Cast Iron Manhole Frame and Cover with Composite Manhole Frame and Cover Per COC Dtl C-400, and Adjust to Grade Per COC Dtl C-401, Type 'B'	2	EA

**REMOVAL NOTES**

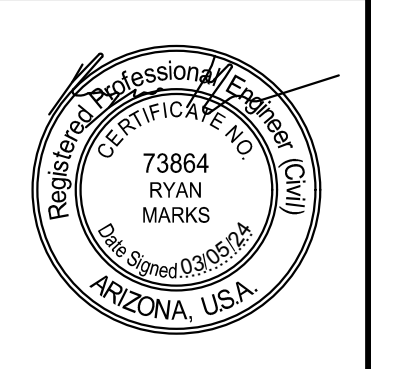
NO.	DESCRIPTION	QTY	UNIT
1	Remove & Dispose Existing AC Pavement	331	SY
2	Sawcut Existing Pavement (Full Depth)	-	-
3	Remove & Dispose Existing Curb & Gutter	10	LF
5	Remove & Dispose Existing Concrete Sidewalks, Driveways, and Slabs	70	SF
17	Remove Existing Fence	12	LF
18	Remove Existing Wall	85	LF
21	Remove & Dispose Existing Tree, See Inventory Sheets	-	-
24	Relocate Existing SRP Overhead Distribution Underground (By SRP)	-	-



NO.	REVISIONS	DATE	BY

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PHONE: 602-944-5500 FAX: 602-944-7423  
WWW.KIMLEY-HORN.COM



SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

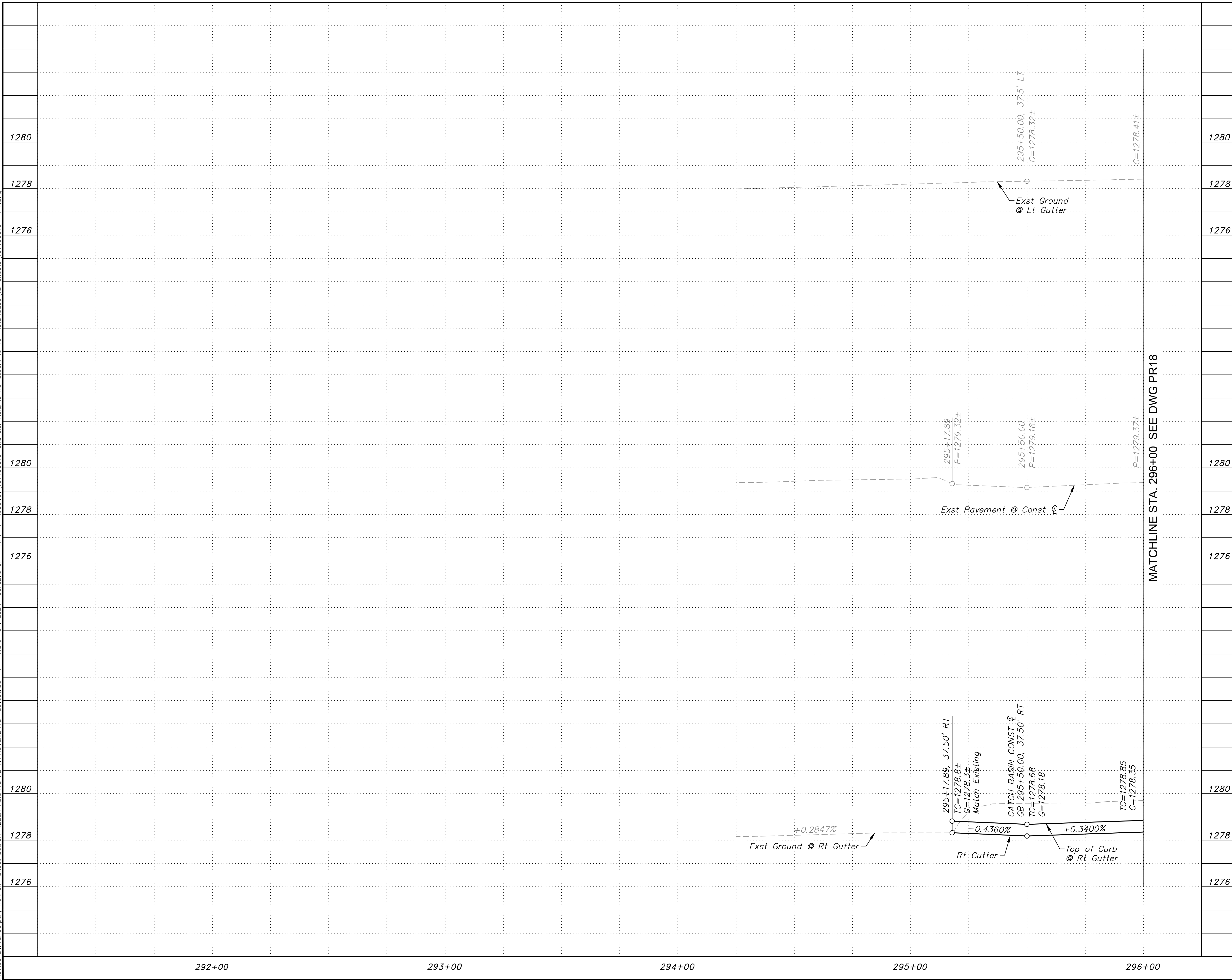
**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**CHANDLER HEIGHTS RD PAVING PLAN**  
**STA 291+50 TO STA 296+00**

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	PL17
31 OF 135	

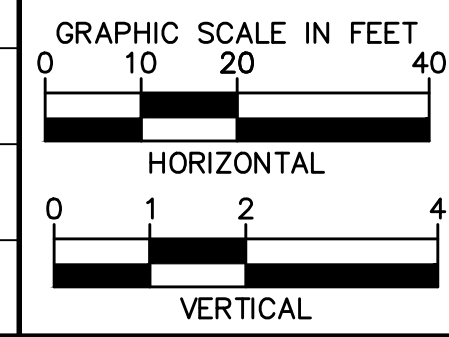
C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS



Plotted By: VanGerpen, Hannah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: 30 PR17 March 04, 2024 06:32:04pm K:\PHX\_Roadwork\181466010-Chandler Heights Rd-Gilbert to Val Vista\_Cadd\12-Sheets\191466010-PR17.dwg

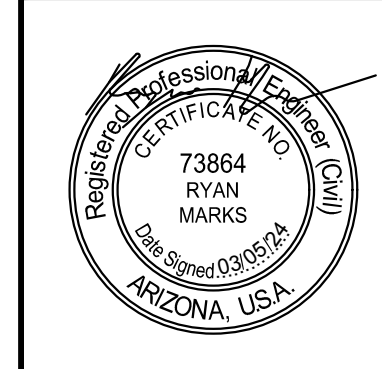


SHEET NOTES	
1. See DWG PL17 for Paving Plan.	
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1280	1280
1278	1278
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1280	1280
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1276	1276



CITY OF CHANDLER CHANDLER HEIGHTS RD IMPROVEMENTS CHANDLER HEIGHTS RD PAVING PROFILE STA 291+50 TO STA 296+00	
SCALE (H): 1"=20'	SCALE (V): 1"=2'
DESIGNED BY: RSM	DRAWN BY: DLR
CHECKED BY: CCW	DATE: 03/2024
CITY PROJECT NO. ST1804.401 FEDERAL NO. CHN-0(244)D ADOT NO. T0203 01C	
SHEET DWG PR17	
32 OF 135	

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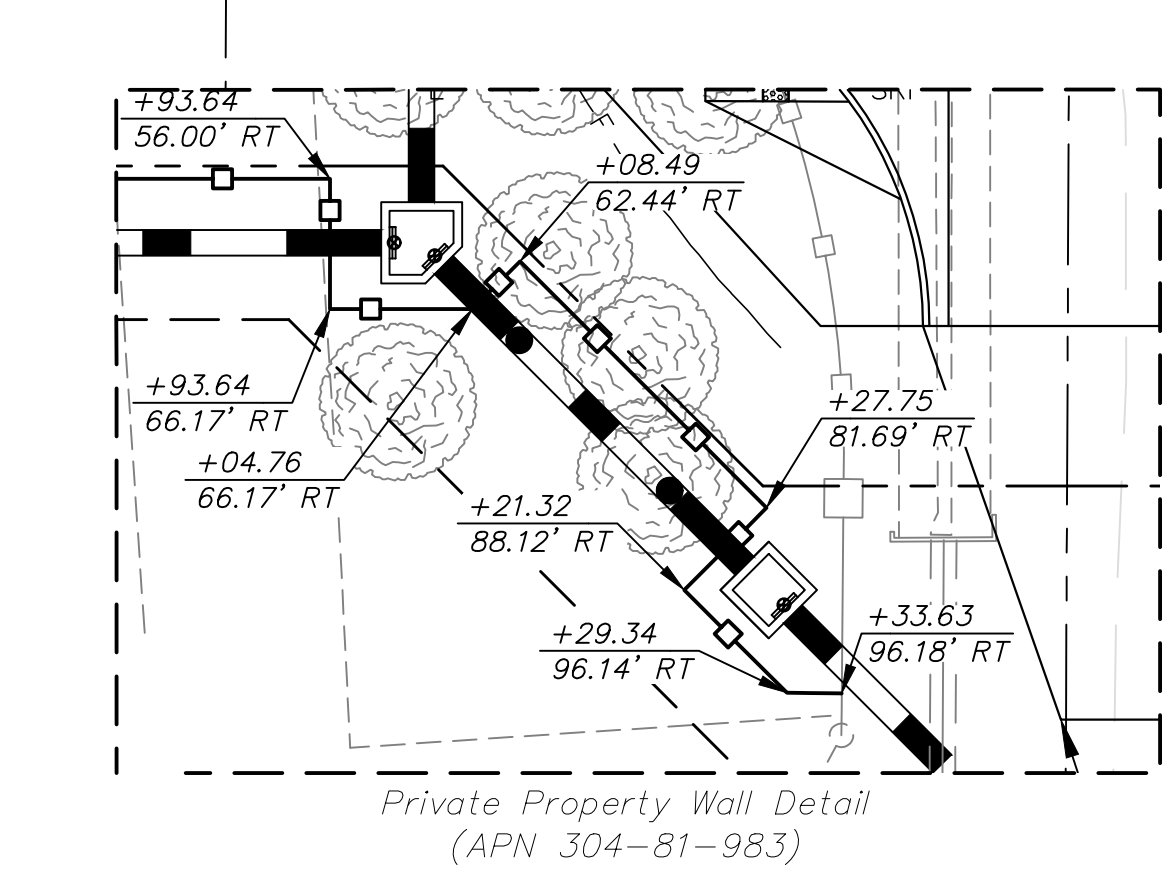
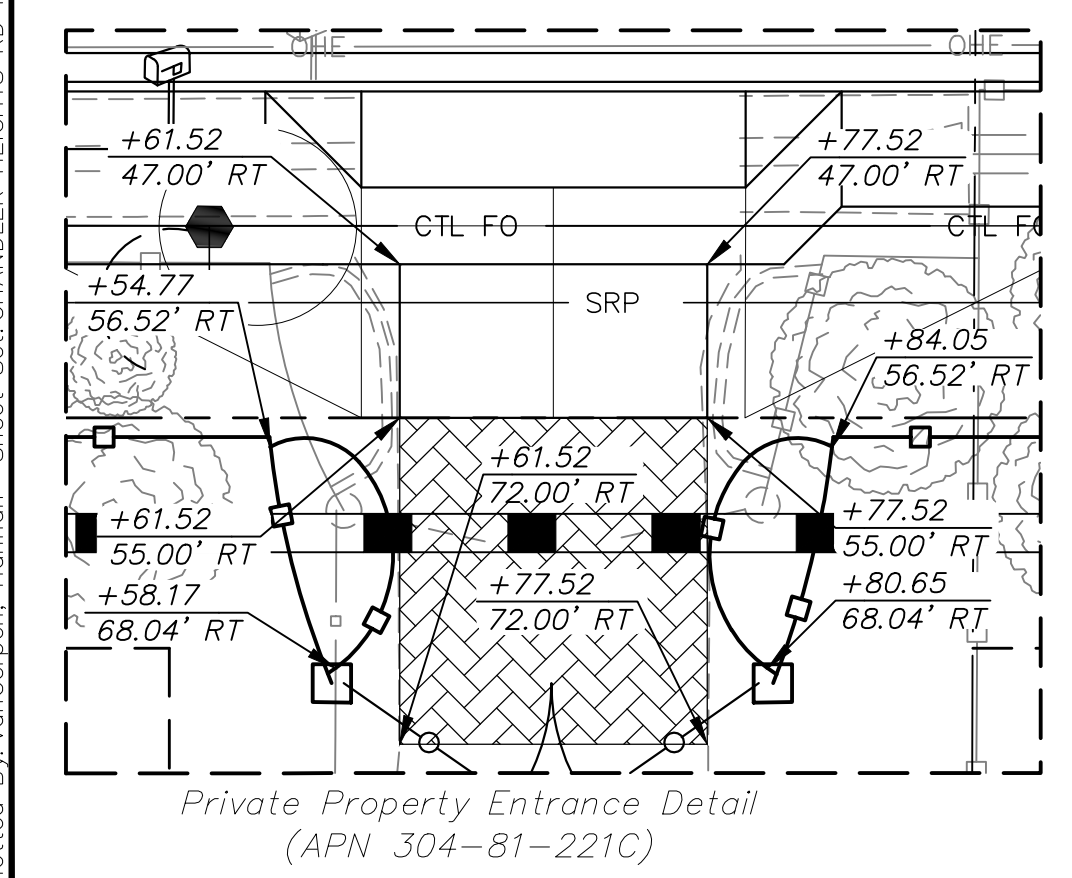
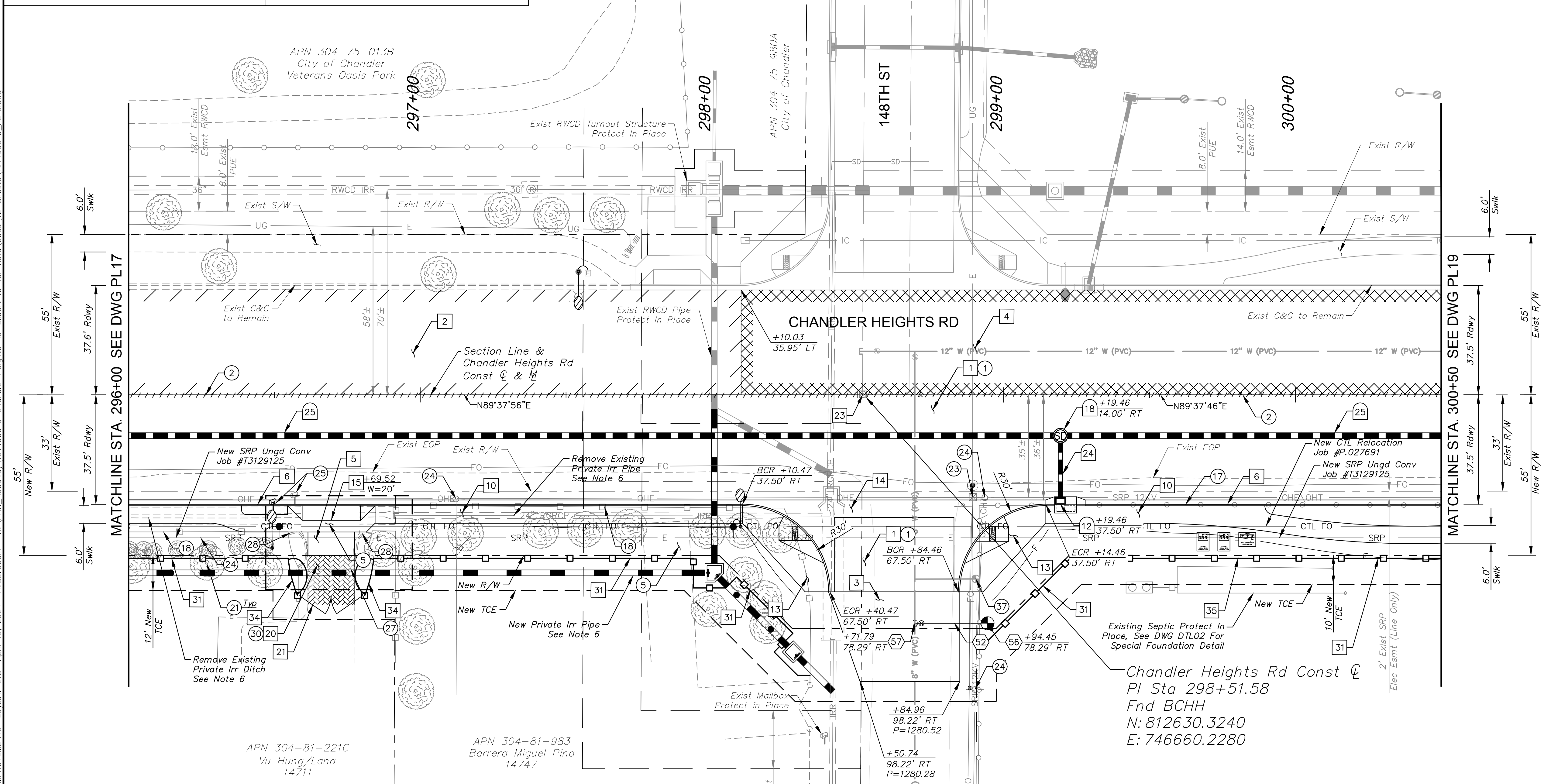


DESIGNED BY: RSM	DRAWN BY: DLR	CHECKED BY: CCW	DATE: 03/2024
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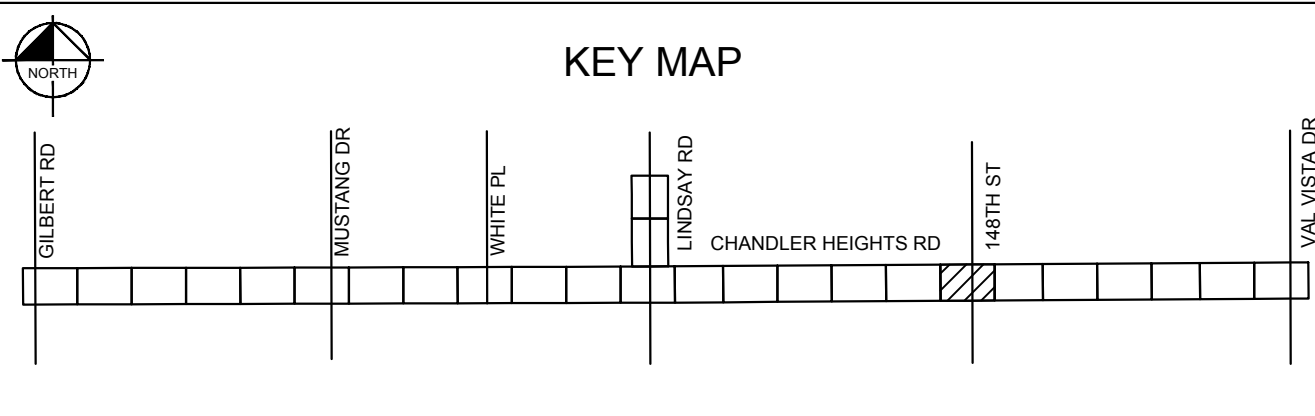
REVISIONS		DATE	BY
No.			

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

UTILITY NOTES			REMOVAL NOTES			REMOVAL NOTES		
NO.	DESCRIPTION	QTY UNIT	NO.	DESCRIPTION	QTY UNIT	NO.	DESCRIPTION	QTY UNIT
52	Install 6" DIP Water Pipe	25 LF	25	Relocate Existing Mailbox	1 EA	30	Remove and Salvage Existing Pavers	400 SF
56	Install Fire Hydrant Per GIL-320	1 EA	27	Remove Existing Wrought Iron Swinging Gate and Salvage	1 EA	37	Remove Fire Hydrant	1 EA
57	Install 8"x6" Tapping Sleeve, Valve And Valve Box Per Mag Dtl 340	1 EA	28	Remove Existing Decorative Wall, Remove and Salvage Existing Light Fixture and Curved Wrought Iron View Fence	30 LF			



- ### SHEET NOTES
- Dimensions and offsets are to the face of curb unless otherwise noted.
  - See DWG PR18 for Paving Profile.
  - See DWG SD01-SD02 for Storm Drain Profile.
  - See DWG CP01 for Connector Pipe Profiles.
  - See DWG SL05 for Street Lighting Plans.
  - See DWG PIO2 & PIO3 for Private Irrigation Plan and Profile.



### CONSTRUCTION NOTES

NO.	DESCRIPTION	QTY	UNIT
1	AC Pavement Per Structural Section No. 1, See DWG TX01	1,915	SY
2	AC Pavement Per Structural Section No. 2, See DWG TX01	841	SY
3	AC Pavement Per Structural Section No. 3, See DWG TX01	135	SY
4	Surface Seal	958	SY
5	Portland Cement Concrete Pavement, 9" Thick	14	SY
6	Concrete Curb & Gutter Per MAG Dtl 220-1, Type 'A', H=6"	440	LF
10	Concrete Sidewalk Per MAG Dtl 230, 6' (Typ)	1,934	SF
13	Concrete Sidewalk Ramp Per COC Dtl C-258 & C-249	2	EA
14	Concrete Valley Gutter Per MAG Dtl 240	672	SF
15	Concrete Driveway Entrance Per MAG Dtl 250	261	SF
20	Re-Install Paver Driveway	272	SF
21	Re-Install Existing Wrought Iron Swinging Gate	1	LS
23	Survey Marker Per MAG Dtl 120-1, Type 'A'	1	EA
31	New Full Wall, See DWG DTL01 for Detail	320	LF
34	Re-Construct Decorative Wall and Light Fixture with Existing Curved Wrought Iron View Fence, Match In-Kind	1	LS
35	New Dooley Wall, See DWG Dtl DTL02	96	LF

### DRAINAGE NOTES

NO.	DESCRIPTION	QTY	UNIT
12	Catch Basin Per Mag Dtl 533, Single Wing L=3', with Bicycle Safe Gate, Storm Drain Inlet Marker Per COC Dtl C-508	1	EA
18	Manhole Per MAG Dtl 520 & 522, COC Dtl C-400 & C-401	1	EA
24	18" RGRCP Storm Drain, Class IV	19	LF
25	24" RGRCP Storm Drain, Class IV	450	LF

### REMOVAL NOTES

NO.	DESCRIPTION	QTY	UNIT
1	Remove & Dispose Existing AC Pavement	1,377	SY
2	Sawcut Existing Pavement (Full Depth)	-	-
5	Remove & Dispose Existing Concrete Sidewalks, Driveways, and Slabs	227	SF
17	Remove Existing Fence	208	LF
18	Remove Existing Wall	301	LF
21	Remove & Dispose Existing Tree, See Inventory Sheets	-	-
23	Relocate Utility Pedestal (By Lumen)	-	-
24	Relocate Existing SRP Overhead Distribution Underground (By SRP)	-	-

GRAPHIC SCALE IN FEET: 0 10 20 40

Call at least two full working days before you begin excavation.

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Professional Engineer  
73864 RYAN MARKS  
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PHONE: 602-944-5500 FAX: 602-944-7423  
WWW.KIMLEY-HORN.COM

SCALE (H): 1"=20'  
SCALE (V): N/A  
DESIGNED BY: RSM  
DRAWN BY: DLR  
CHECKED BY: CCW  
DATE: 03/2024

CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
CHANDLER HEIGHTS RD PAVING PLAN  
STA 296+00 TO STA 300+50  
CHANDLER HEIGHTS ROAD IMPROVEMENTS

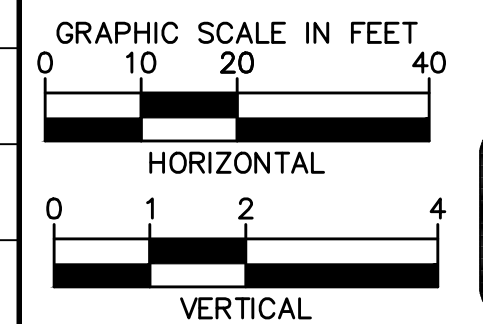
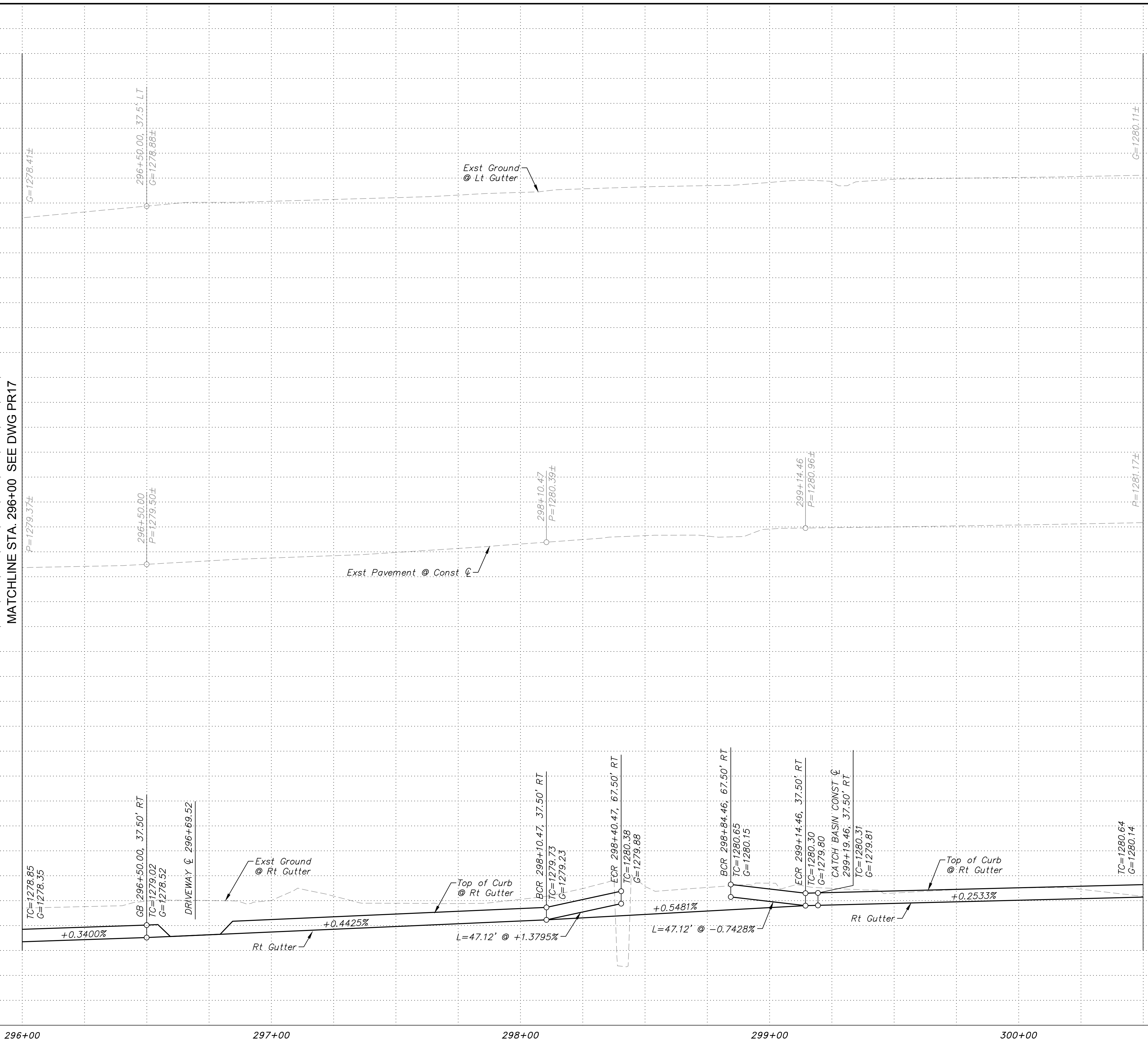
CITY PROJECT NO. ST1804.401  
FEDERAL NO. CHN-0244JD  
ADOT NO. T0203.01C

SHEET DWG PL18  
33 OF 135

Plotted By: VanGerpen, Hannah Sheet: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: PR18 March 04, 2024 06:32:58pm K:\PHX\_Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista\_Card\12-Sheets\191466010\_PR18.dwg

MATCHLINE STA. 296+00 SEE DWG PR17

MATCHLINE STA. 300+50 SEE DWG PR19



SHEET NOTES

1. See DWG PL18 for Paving Plan.

No.	REVISIONS	DATE	BY

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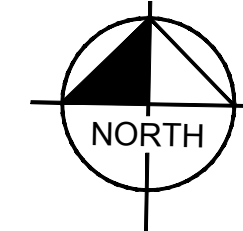
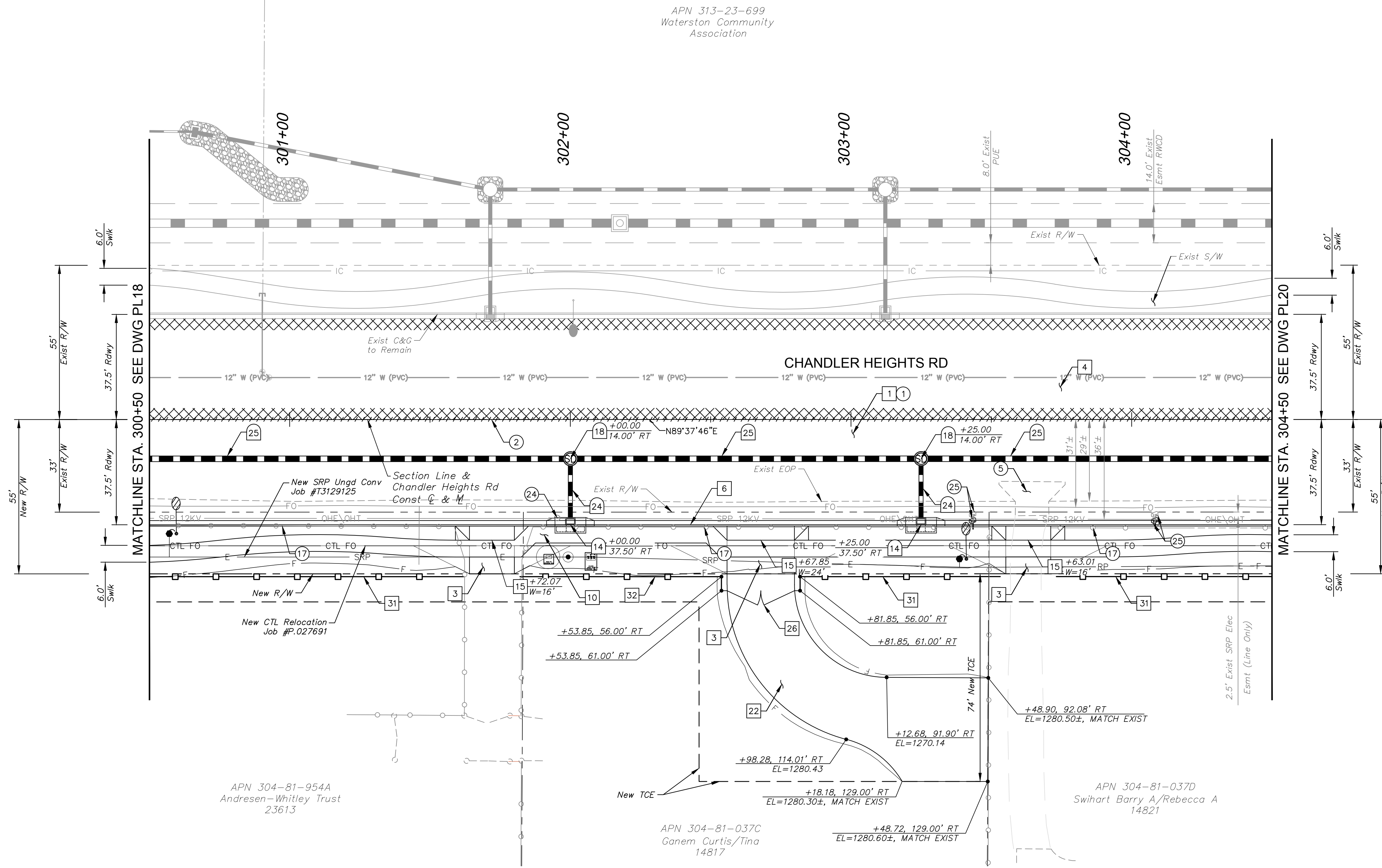
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 SCALE (V): 1"=2'  
 DESIGNED BY: RSM  
 DRAWN BY: DLR  
 CHECKED BY: CCW  
 DATE: 03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 CHANDLER HEIGHTS RD PAVING PROFILE  
 STA 296+00 TO STA 300+50

CITY PROJECT NO. ST1804.401  
 FEDERAL NO. CHN-0(244)D  
 ADOT NO. T0203.01C  
 SHEET DWG PR18  
 34 OF 135

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah, Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS, Layout: PL19, April 10, 2024, 11:55:00am, K:\PHX\_Roadway\191466010-CHandler Heights Rd-Gilbert to Val Vista-Cadd\19-1466010-PL19.dwg

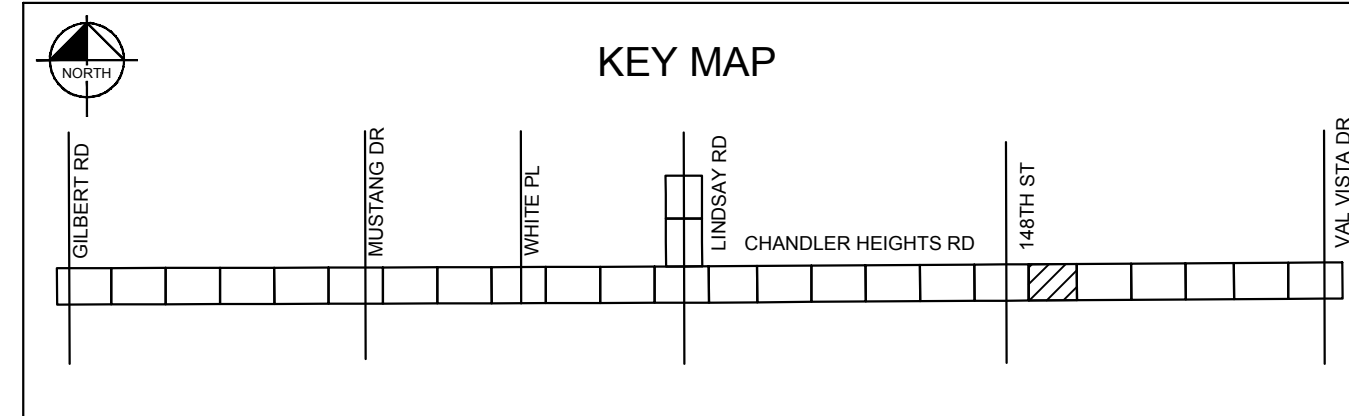


CONSTRUCTION NOTES		
NO.	DESCRIPTION	QTY UNIT
1	AC Pavement Per Structural Section No. 1, See DWG TX01	1,600 SY
3	AC Pavement Per Structural Section No. 3, See DWG TX01	37 SY
4	Surface Seal	1,598 SY
6	Concrete Curb & Gutter Per MAG Dtl 220-1, Type 'A', H=6"	400 LF
10	Concrete Sidewalk Per MAG Dtl 230, 6' (Typ)	1,856 SF
15	Concrete Driveway Entrance Per MAG Dtl 250	976 SF
22	Aggregate Base Course, 4" Thick	348 SY
26	Chain Link Gate Per MAG Dtl 160, 24', Swinging	1 EA
31	New Full Wall, See DWG DTL01 for Detail	147 LF
32	New Partial Wall View Fence, See DWG DTL01 for Detail	147 LF

DRAINAGE NOTES		
NO.	DESCRIPTION	QTY UNIT
14	Catch Basin Per MAG Dtl 533, Double Wing L=3', With Bicycle Safe Grate, Storm Drain Inlet Marker Per COC Dtl C-508	2 EA
18	Manhole Per MAG Dtl 520 & 522, COC Dtl C-400 & C-401	2 EA
24	18" RGRCP Storm Drain, Class IV	37 LF
25	24" RGRCP Storm Drain, Class IV	400 LF

REMOVAL NOTES		
NO.	DESCRIPTION	QTY UNIT
1	Remove & Dispose Existing AC Pavement	1,274 SY
2	Sawcut Existing Pavement (Full Depth)	-
5	Remove & Dispose Existing Concrete Sidewalks, Driveways, and Slabs	192 SF
17	Remove Existing Fence	404 LF
24	Relocate Existing SRP Overhead Distribution Underground (By SRP)	-
25	Relocate Existing Mailbox	2 EA

- SHEET NOTES**
- Dimensions and offsets are to the face of curb unless otherwise noted.
  - See DWG PR19 for Paving Profile.
  - See DWG SD01-SD02 for Storm Drain Profile.
  - See DWG CP01 for Connector Pipe Profiles.
  - See DWG SL05 for Street Lighting Plans.



GRAPHIC SCALE IN FEET: 0, 10, 20, 40

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NO.	REVISIONS	DATE	BY

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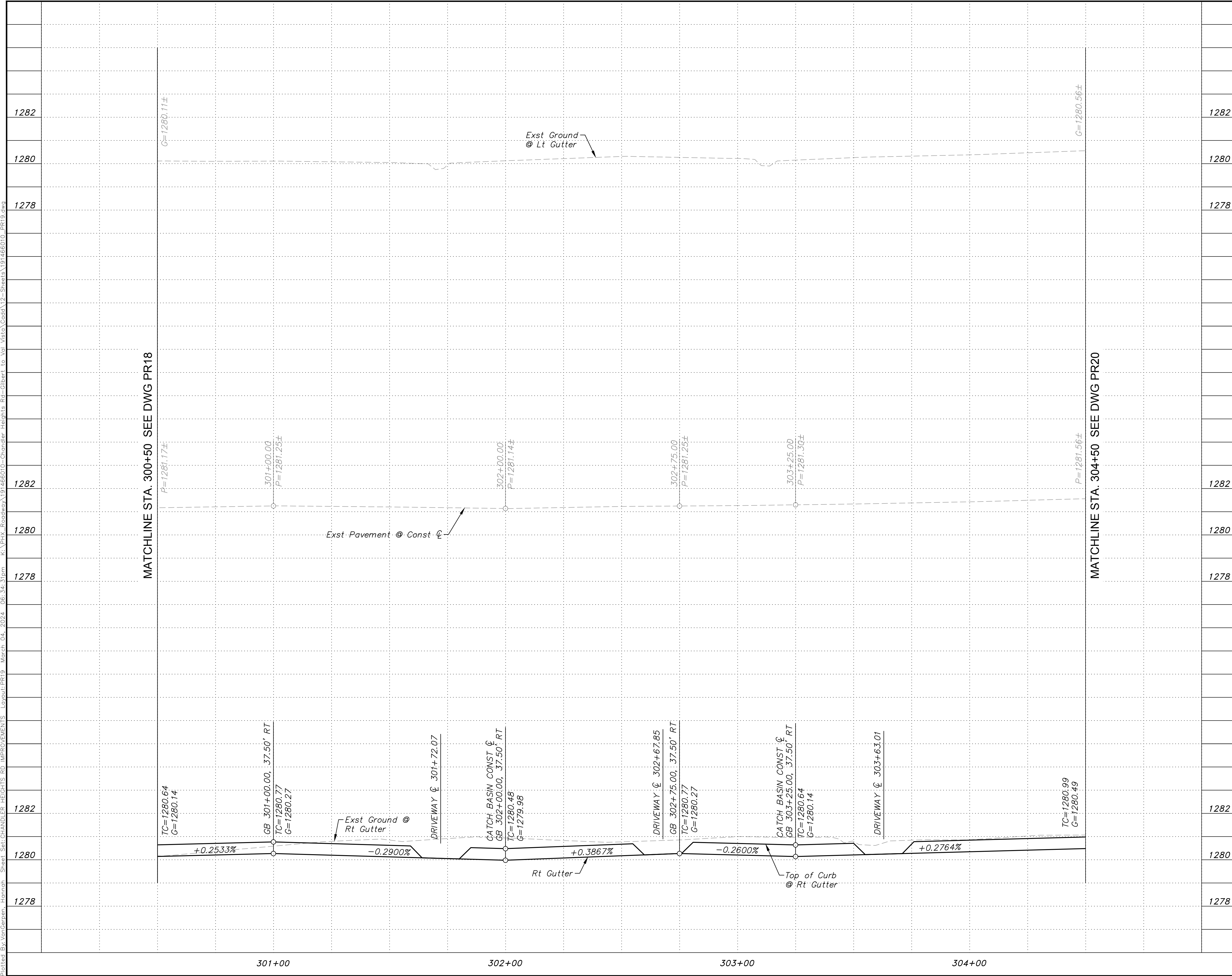
SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
CHANDLER HEIGHTS RD PAVING PLAN  
STA 300+50 TO STA 304+50

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	PL19
35 OF 135	

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah Sheet: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: PR19 March 04, 2024 06:34:31pm K:\PHX-Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista-Cadd\12-Sheets\191466010\_PR19.dwg



**SHEET NOTES**

1. See DWG PL19 for Paving Plan.

---

**SCALE (H):** 1"=20'  
**SCALE (V):** 1"=2'

**DESIGNED BY:** RSM  
**DRAWN BY:** DLR  
**CHECKED BY:** CCW  
**DATE:** 03/2024

**GRAPHIC SCALE IN FEET**

HORIZONTAL: 0 10 20 40  
 VERTICAL: 0 1 2 4

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 PHONE: 602-944-5500 FAX: 602-944-7423  
 WWW.KIMLEY-HORN.COM

Professional Engineer  
 CERTIFICATE NO. 73864  
 RYAN MARKS  
 LICENSED IN ARIZONA, U.S.A.

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 CHANDLER HEIGHTS RD PAVING PROFILE  
 STA 300+50 TO STA 304+50

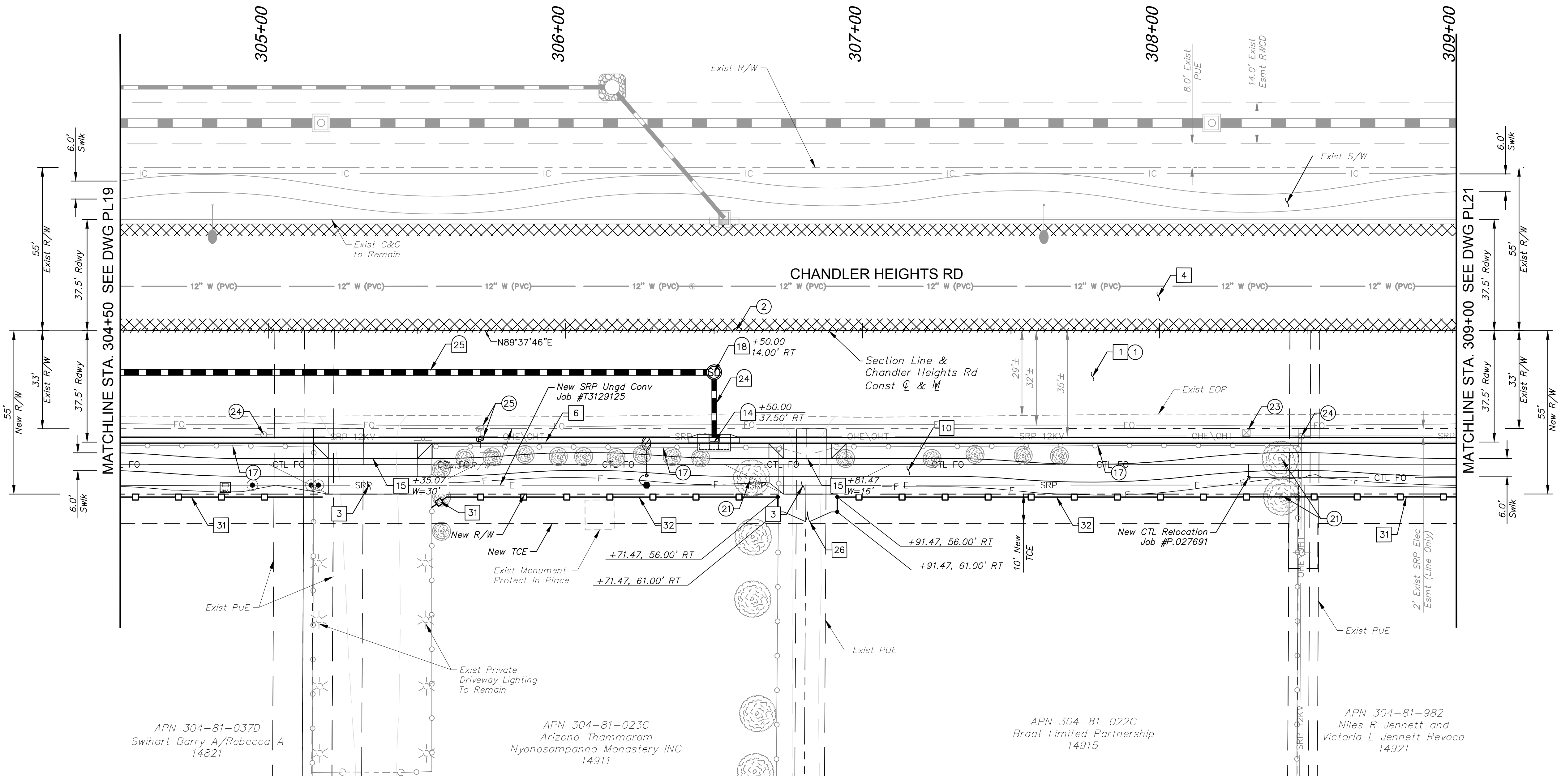
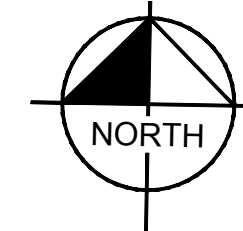
CITY PROJECT NO. ST1804.401  
 FEDERAL NO. CHN-0(244)D  
 ADOT NO. T0203 01C

SHEET DWG PR19  
 36 OF 135

NO.	REVISIONS	DATE	BY

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

APN 313-23-699  
Waterston Community  
Association



**CONSTRUCTION NOTES**

NO.	DESCRIPTION	QTY	UNIT
1	AC Pavement Per Structural Section No. 1, See DWG TX01	1,800	SY
3	AC Pavement Per Structural Section No. 3, See DWG TX01	31	SY
4	Surface Seal	1,798	SY
6	Concrete Curb & Gutter Per MAG Dtl 220-1, Type 'A', H=6"	450	LF
10	Concrete Sidewalk Per MAG Dtl 230, 6' (Typ)	2,307	SF
15	Concrete Driveway Entrance Per MAG Dtl 250	726	SF
26	Chain Link Gate Per MAG Dtl 160, 24', Swinging	1	EA
31	New Full Wall, See DWG DTL01 for Detail	124	LF
32	New Partial Wall View Fence, See DWG DTL01 for Detail	278	LF

**DRAINAGE NOTES**

NO.	DESCRIPTION	QTY	UNIT
14	Catch Basin Per Mag Dtl 533, Double Wing L=3', with Bicycle Safe Grate. Storm Drain Inlet Marker Per COC Dtl C-508	1	EA
18	Manhole Per MAG Dtl 520 & 522, COC Dtl C-400 & C-401	1	EA
24	18" RGRCP Storm Drain, Class IV	20	LF
25	24" RGRCP Storm Drain, Class IV	197	LF

**REMOVAL NOTES**

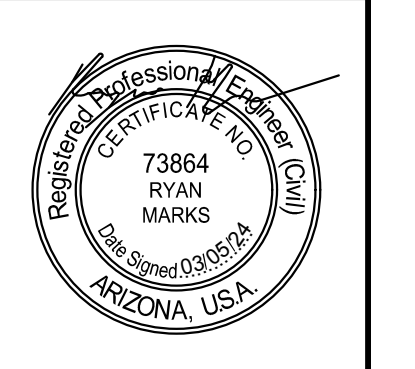
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2	Sawcut Existing Pavement (Full Depth)	-	-
17	Remove Existing Fence	410	LF
21	Remove & Dispose Existing Tree, See Inventory Sheets	-	-
23	Relocate Utility Pedestal (By Lumen)	-	-
24	Relocate Existing SRP Overhead Distribution Underground (By SRP)	-	-
25	Relocate Existing Mailbox	1	EA

- SHEET NOTES**
- Dimensions and offsets are to the face of curb unless otherwise noted.
  - See DWG PR20 for Paving Profile.
  - See DWG SD01-SD02 for Storm Drain Profile.
  - See DWG CP01 for Connector Pipe Profiles.
  - See DWG SL05 for Street Lighting Plans.

NO.	REVISIONS	DATE	BY

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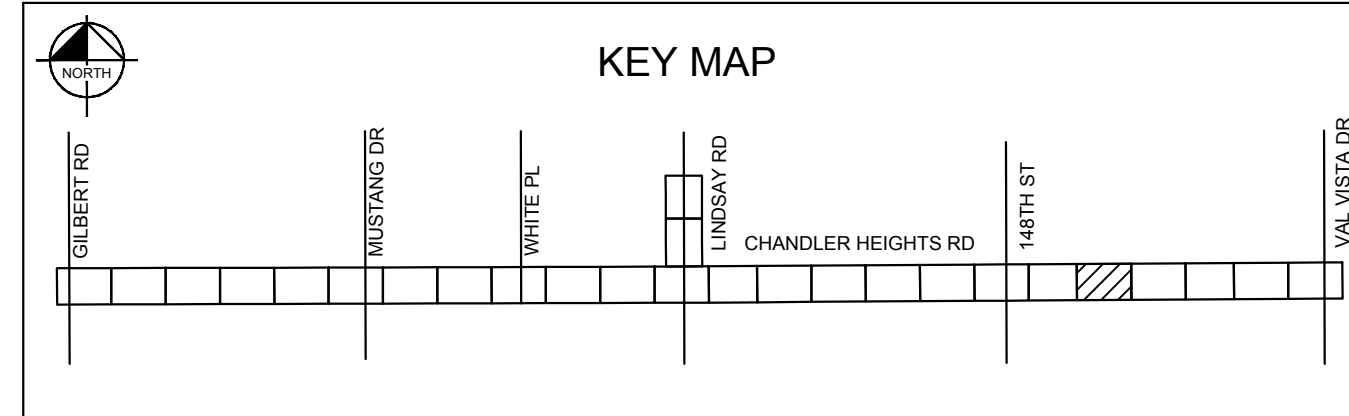
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SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
CHANDLER HEIGHTS RD PAVING PLAN  
STA 304+50 TO STA 309+00

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	PL20
37 OF 135	



GRAPHIC SCALE IN FEET

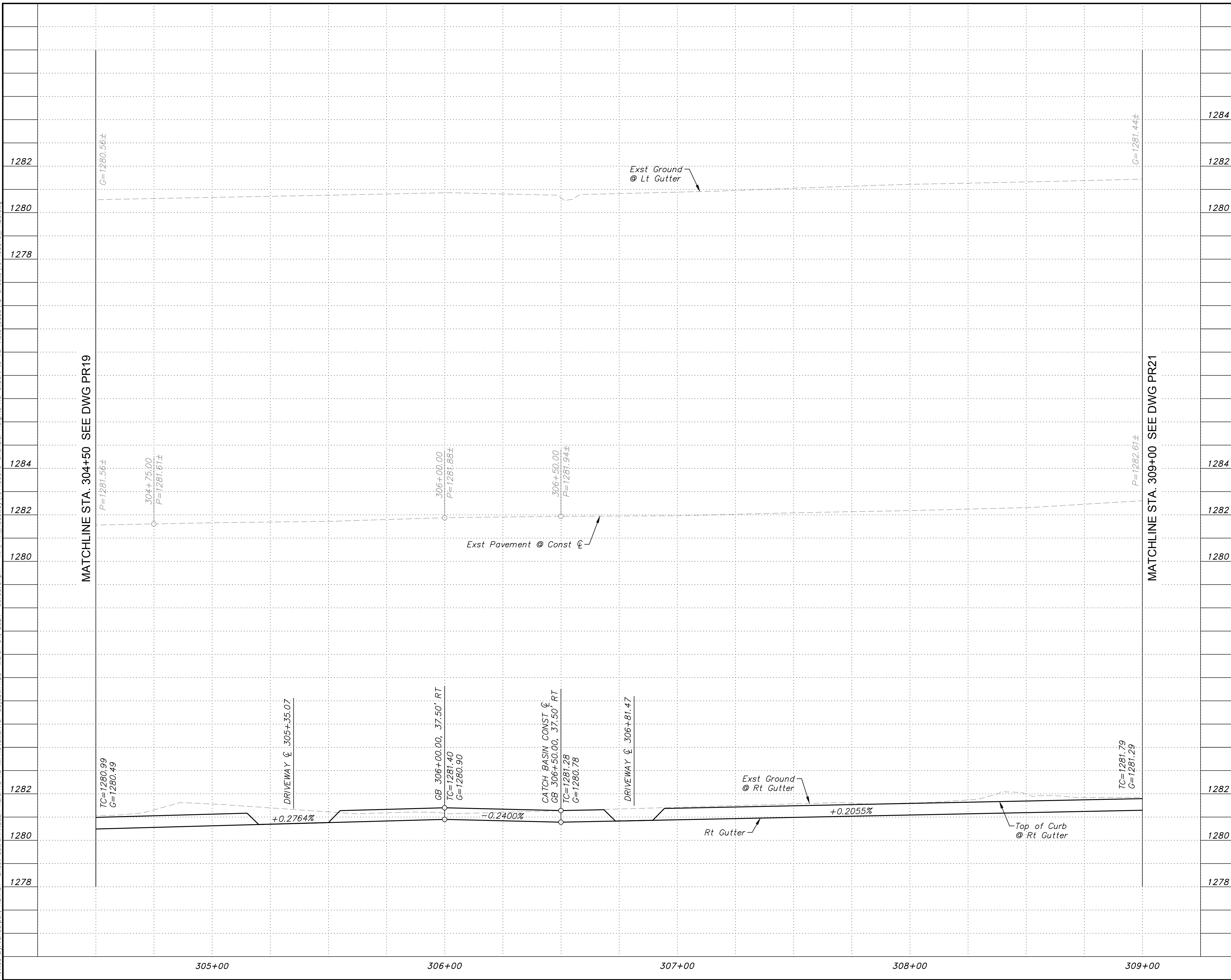
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Plotted By: VanGerpen, Hannah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: PL20 April 10, 2024 11:55:51am K:\PHX\_Roadway\191466010-0-Chandler Heights Rd-Gilbert to Val Vista-Cadd\2-Sheets\191466010\_PL20.dwg

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: PR20 March 04, 2024 06:35:57pm I:\\_PHK\_Roadway\191466010-Chandler Heights Rd-PR20.dwg



SHEET NOTES	
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1282	1282
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1282	1282
1280	1280
1278	1278
305+00	309+00

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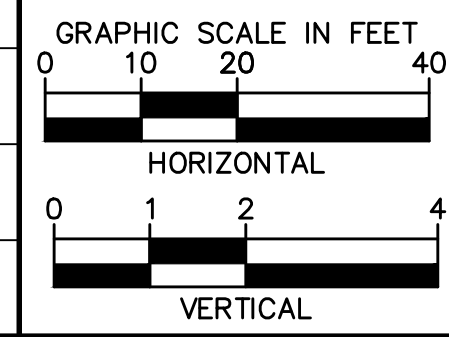
Professional Engineer  
CERTIFICATE NO. 73864  
RYAN MARKS  
03/03/2024  
ARIZONA, USA

SCALE (H): 1"=20'  
SCALE (V): 1"=2'  
DESIGNED BY: RSM  
DRAWN BY: DLR  
CHECKED BY: CCW  
DATE: 03/2024

CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
CHANDLER HEIGHTS RD PAVING PROFILE  
STA 304+50 TO STA 309+00

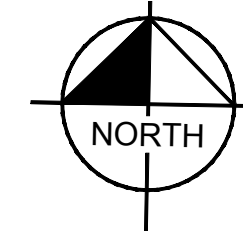
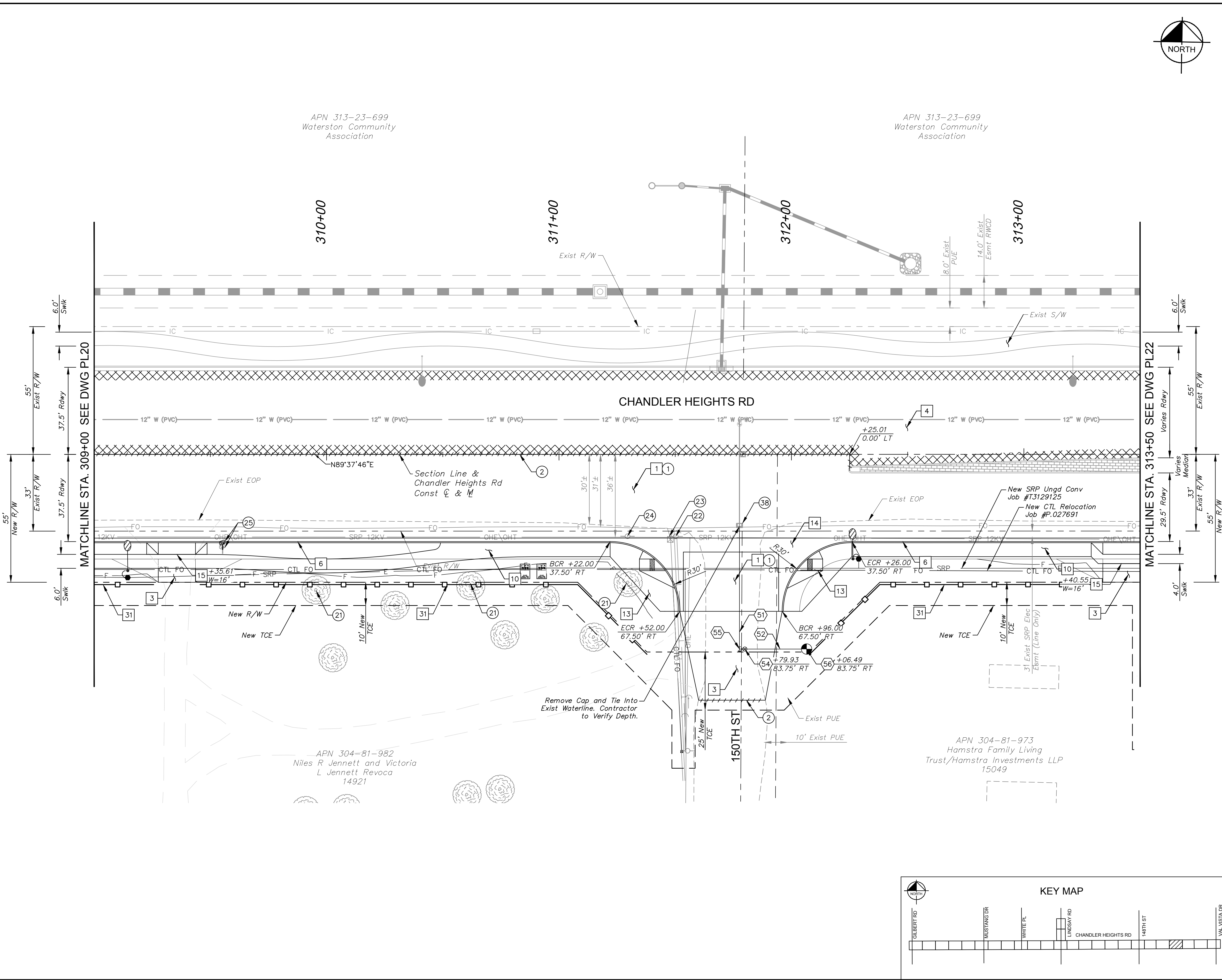
CITY PROJECT NO. ST1804.401  
FEDERAL NO. CHN-0(244)D  
ADOT NO. T0203 01C

SHEET DWG PR20  
38 OF 135



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: PL21 - April 10, 2024 11:56:45am - K:\PHK\_Roadway\191466010- Chandler Heights Rd-Gilbert to Val Vista-Corr\12-Sheets\191466010\_PL21.dwg



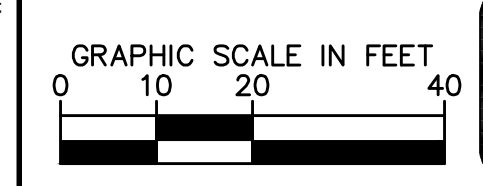
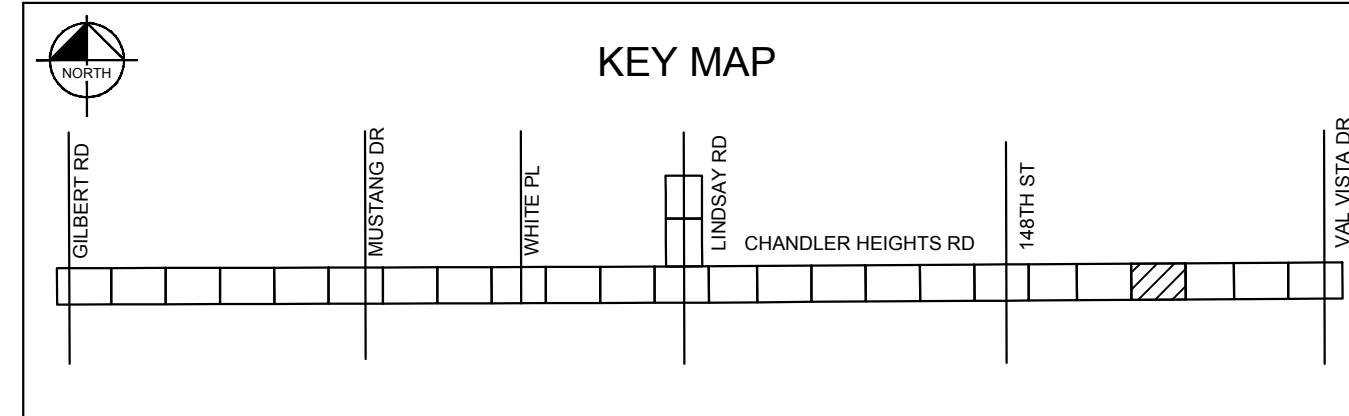
CONSTRUCTION NOTES		
NO.	DESCRIPTION	QTY UNIT
1	AC Pavement Per Structural Section No. 1, See DWG TX01	1,804 SY
3	AC Pavement Per Structural Section No. 3, See DWG TX01	179 SY
4	Surface Seal	1,843 SY
6	Concrete Curb & Gutter Per MAG Dtl 220-1, Type 'A', H=6"	441 LF
10	Concrete Sidewalk Per MAG Dtl 230, 6' (Typ)	1,832 SF
13	Concrete Sidewalk Ramp Per COC Dtl C-258 & C-249	2 EA
14	Concrete Valley Gutter Per MAG Dtl 240	635 SF
15	Concrete Driveway Entrance Per MAG Dtl 250	511 SF
31	New Full Wall, See DWG DTL01 for Detail	369 LF

UTILITY NOTES		
NO.	DESCRIPTION	QTY UNIT
51	Install 8" PVC Water Pipe	54 LF
52	Install 6" DIP Water Pipe	29 LF
54	Install 6" Gate Valve, Valve Box, & Cover Per MAG Dtl 391-1, Type 'C'	1 EA
55	Install 8"x6" Tee With Restrained MJ Plug	-
56	Install Fire Hydrant Per GIL-320	1 EA

REMOVAL NOTES		
NO.	DESCRIPTION	QTY UNIT
1	Remove & Dispose Existing AC Pavement	1,548 SY
2	Sawcut Existing Pavement (Full Depth)	-
21	Remove & Dispose Existing Tree, See Inventory Sheets	-
22	Relocate Existing Overhead Distribution Underground (By Lumen)	-
23	Relocate Utility Pedestal (By Lumen)	-
24	Relocate Existing SRP Overhead Distribution Underground (By SRP)	-
25	Relocate Existing Mailbox	1 EA
38	Remove Existing Flushing Pipe and Meter Box	1 EA

**SHEET NOTES**

- Dimensions and offsets are to the face of curb unless otherwise noted.
- See DWG PR21 for Paving Profile.
- See DWG SL06 for Street Lighting Plans.



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NO.	DATE	BY											
<p>CITY OF CHANDLER CHANDLER HEIGHTS RD IMPROVEMENTS CHANDLER HEIGHTS RD PAVING PLAN STA 309+00 TO STA 313+50</p>													
<p>CITY PROJECT NO. ST1804.401 FEDERAL NO. CHN-0(244)D ADOT NO. T0203.01C</p>													
<p>SHEET DWG PL21</p>													
<p>39 OF 135</p>													

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS



Plotted By: VanGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: PR21 - March 04, 2024 - 06:37:15pm - K:\PHX\_Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista-Cadd\12-Sheets\191466010-PR21.dwg

SHEET NOTES

1. See DWG PL21 for Paving Plan.

No.	REVISIONS	DATE	BY

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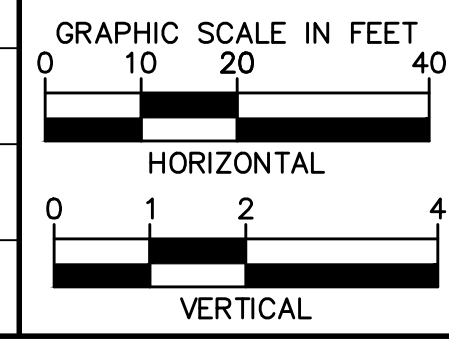
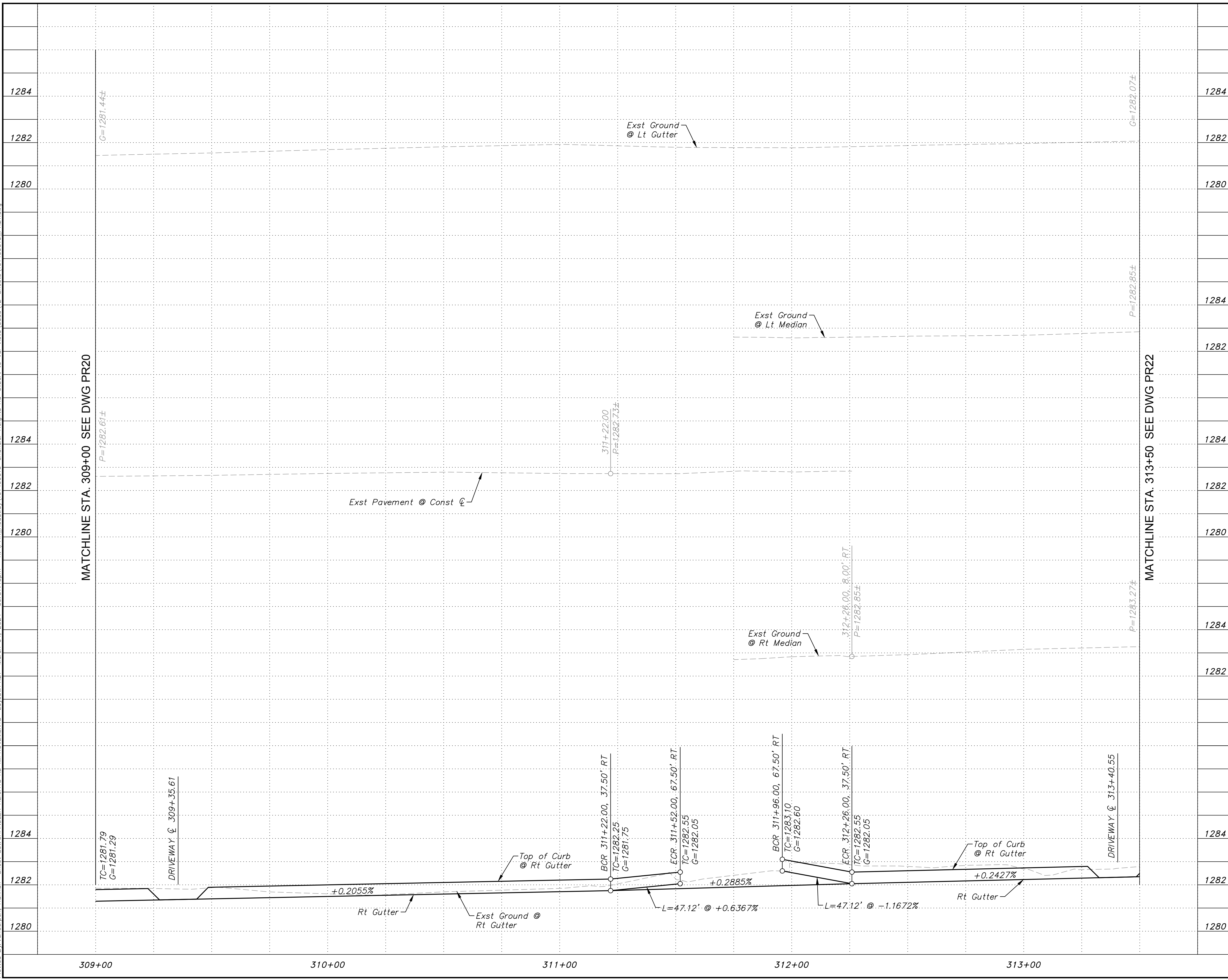
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 DRAWN BY: DLR  
 CHECKED BY: CCW  
 DATE: 03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 CHANDLER HEIGHTS RD PAVING PROFILE  
 STA 309+00 TO STA 313+50

CITY PROJECT NO. ST1804.401  
 FEDERAL NO. CHN-0(244)D  
 ADOT NO. T0203 01C

SHEET DWG PR21  
 40 OF 135

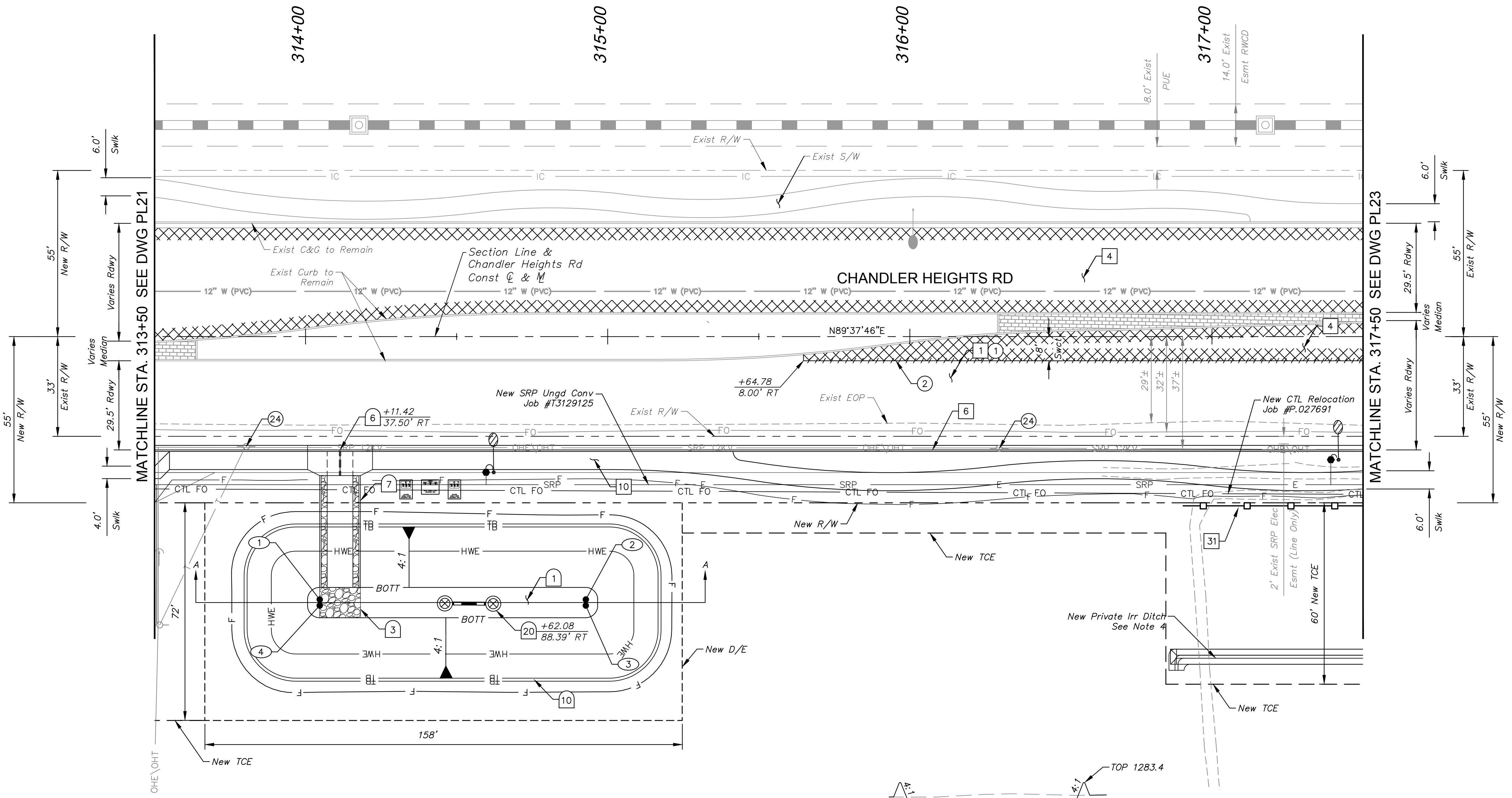
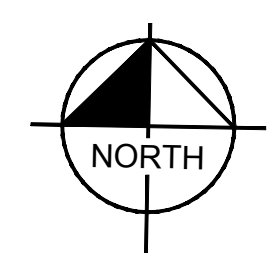
C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS



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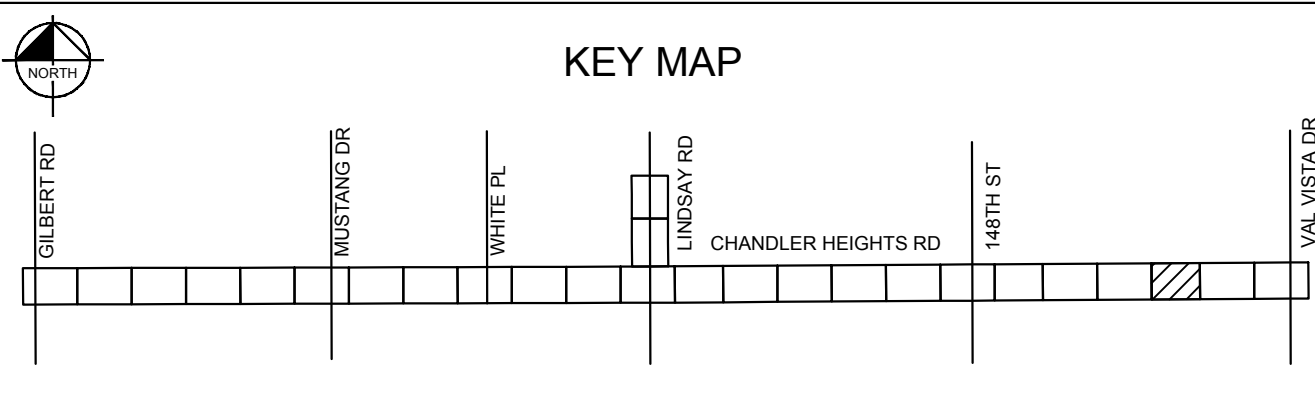
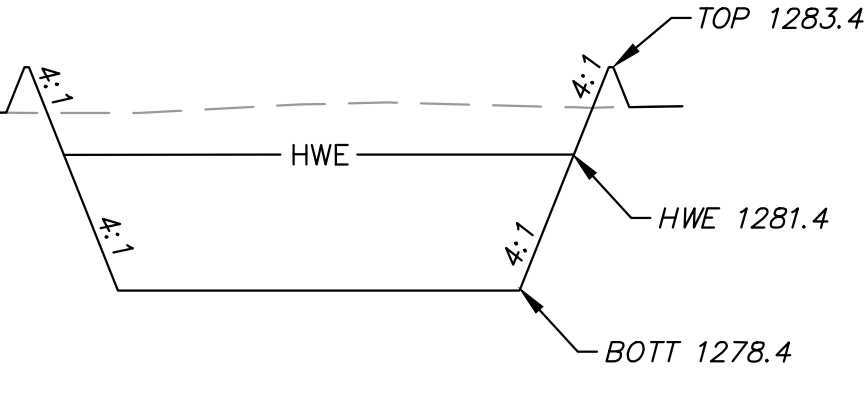
APN 313-23-699  
Waterston Community Association

APN 304-81-973  
Hamstra Family Living Trust/Hamstra Investments LLP  
15049



NO.	STATION	OFFSET	ELEVATION	RADIUS
1	314+04.67	87.00' RT	1278.4	4.0'
2	314+92.67	87.00' RT	1278.4	4.0'
3	314+92.67	89.00' RT	1278.4	4.0'
4	314+04.67	89.00' RT	1278.4	4.0'

BOTT.	1278.4
HWE	1281.4
V <sub>RED</sub>	0.17 AC-FT
V <sub>PRO</sub>	0.17 AC-FT



NO.	DESCRIPTION	QTY	UNIT
1	AC Pavement Per Structural Section No. 1, See DWG TX01	1,248	SY
4	Surface Seal	1,484	SY
6	Concrete Curb & Gutter Per MAG Dtl 220-1, Type 'A', H=6"	400	LF
10	Concrete Sidewalk Per MAG Dtl 230, 6" (Typ)	2,280	SF
31	New Full Wall, See DWG DTL01 for Detail	61	LF

NO.	DESCRIPTION	QTY	UNIT
1	Retention Basin Excavation	450	CY
3	Dumped Riprap with Filter Fabric D50=6", T=12"	11	CY
6	Scupper Per COC Dtl C-500, 2-4' Curb Opening, With Storm Drain Inlet Marker Per COC Dtl C-508	1	EA
7	Spillway Per COC Dtl C-500, W=8.5'	37	LF
10	Retention Basin Berm	65	CY
20	Drywell Per COC Dtl 501	1	EA

NO.	DESCRIPTION	QTY	UNIT
1	Remove & Dispose Existing AC Pavement	933	SY
2	Sawcut Existing Pavement (Full Depth)	-	-
24	Relocate Existing SRP Overhead Distribution Underground (By SRP)	-	-

1.	Dimensions and offsets are to the face of curb unless otherwise noted.
2.	See DWG PR22 for Paving Profile.
3.	See DWG SL06 for Street Lighting Plans.
4.	See P103 for Private Irrigation Plan and Profile.

GRAPHIC SCALE IN FEET  
0 10 20 40

Call at least two full working days before you begin excavation.  
**ARIZONA 811**  
Arizona One Stop, Inc.  
Dial 8-1-1 or 1-800-STAKE-IT (783-8349)  
In Maricopa County: (602) 253-1100

NO.	DATE	BY

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WWW.KIMLEY-HORN.COM



SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
CHANDLER HEIGHTS RD PAVING PLAN  
STA 313+50 TO STA 317+50

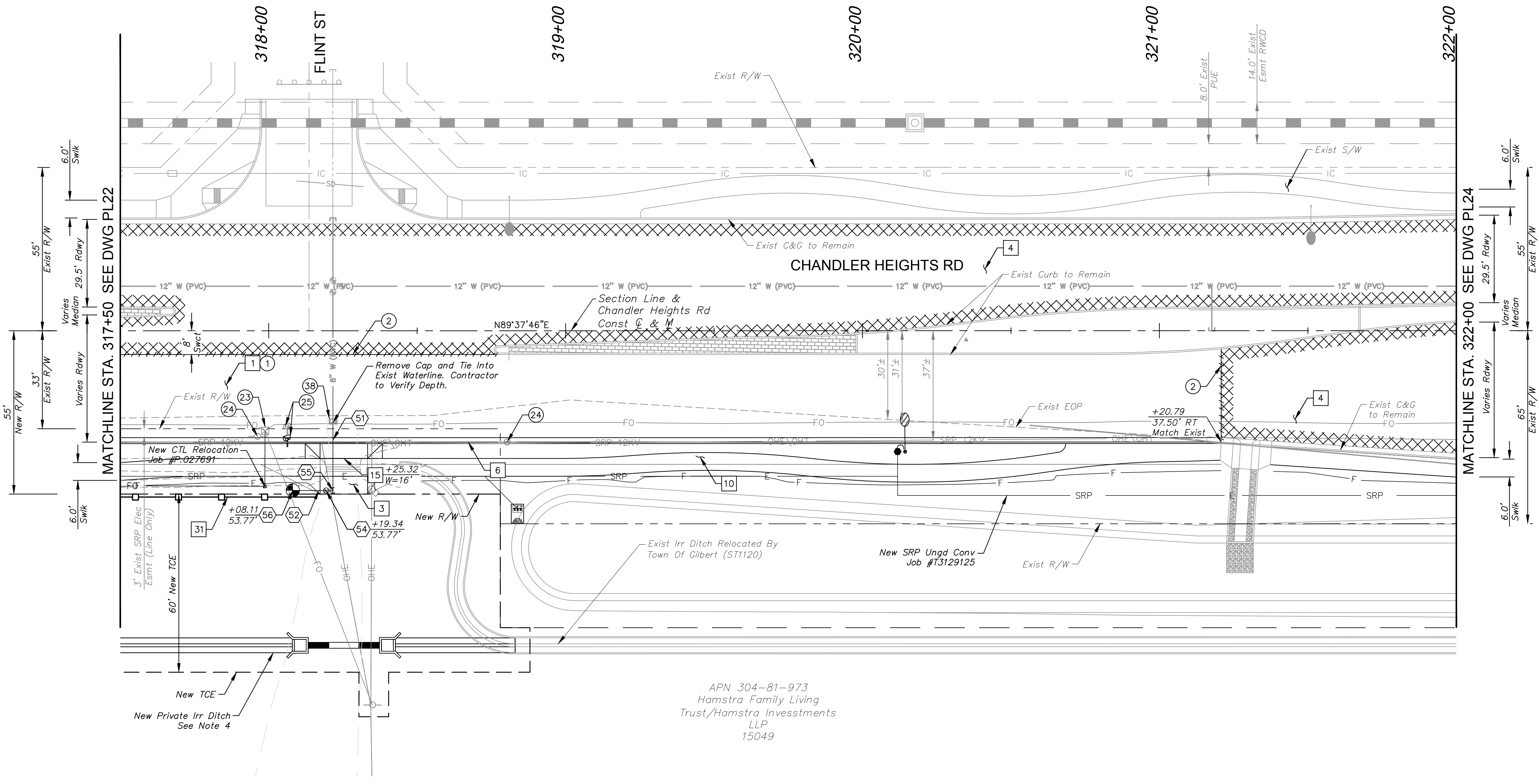
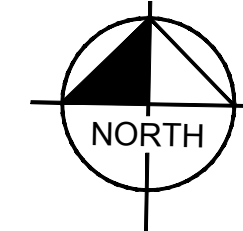
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FEDERAL NO.	CHN-0(244)D
ADOT NO.	020203.01C
SHEET DWG	PL22
41 OF 135	

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS



APN 313-23-708  
Waterston Community  
Association

APN 304-81-973  
Hamstra Family Living  
Trust/Hamstra Investments  
LLP  
15049



CONSTRUCTION NOTES		
NO.	DESCRIPTION	QTY UNIT
1	AC Pavement Per Structural Section No. 1, See DWG TX01	1,156 SY
3	AC Pavement Per Structural Section No. 3, See DWG TX01	11 SY
4	Surface Seal	2,136 SY
6	Concrete Curb & Gutter Per MAG Dtl 220-1, Type 'A', H=6"	371 LF
10	Concrete Sidewalk Per MAG Dtl 230, 6" (Typ)	2,578 SF
15	Concrete Driveway Entrance Per MAG Dtl 250	286 SF
31	New Full Wall, See DWG DTL01 for Detail	67 LF

UTILITY NOTES		
NO.	DESCRIPTION	QTY UNIT
51	Install 8" PVC Water Pipe	23 LF
52	Install 6" DIP Water Pipe	13 LF
54	Install 6" Gate Valve, Valve Box, & Cover Per MAG Dtl 391-1, Type 'C'	1 EA
55	Install 8"x6" Tee With Restrained MJ Plug	-
56	Install Fire Hydrant Per GIL-320	1 EA

REMOVAL NOTES		
NO.	DESCRIPTION	QTY UNIT
1	Remove & Dispose Existing AC Pavement	874 SY
2	Sawcut Existing Pavement (Full Depth)	-
23	Relocate Utility Pedestal (By Lumen)	-
24	Relocate Existing SRP Overhead Distribution Underground (By SRP)	-
25	Relocate Existing Mailbox	1 EA
38	Remove Existing Flushing Pipe and Meter Box	1 EA

**SHEET NOTES**

- Dimensions and offsets are to the face of curb unless otherwise noted.
- See DWG PR23 for Paving Profile.
- See DWG SL06 for Street Lighting Plans.
- See DWG PI03 for Private Irrigation Plan and Profile.

NO.	REVISIONS	DATE	BY

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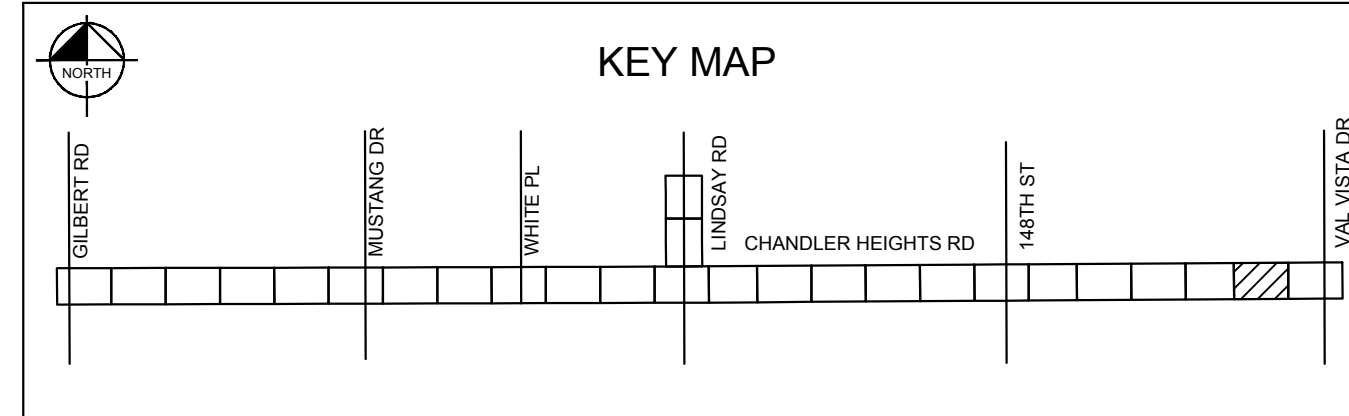
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SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
CHANDLER HEIGHTS RD PAVING PLAN  
STA 317+50 TO STA 322+00

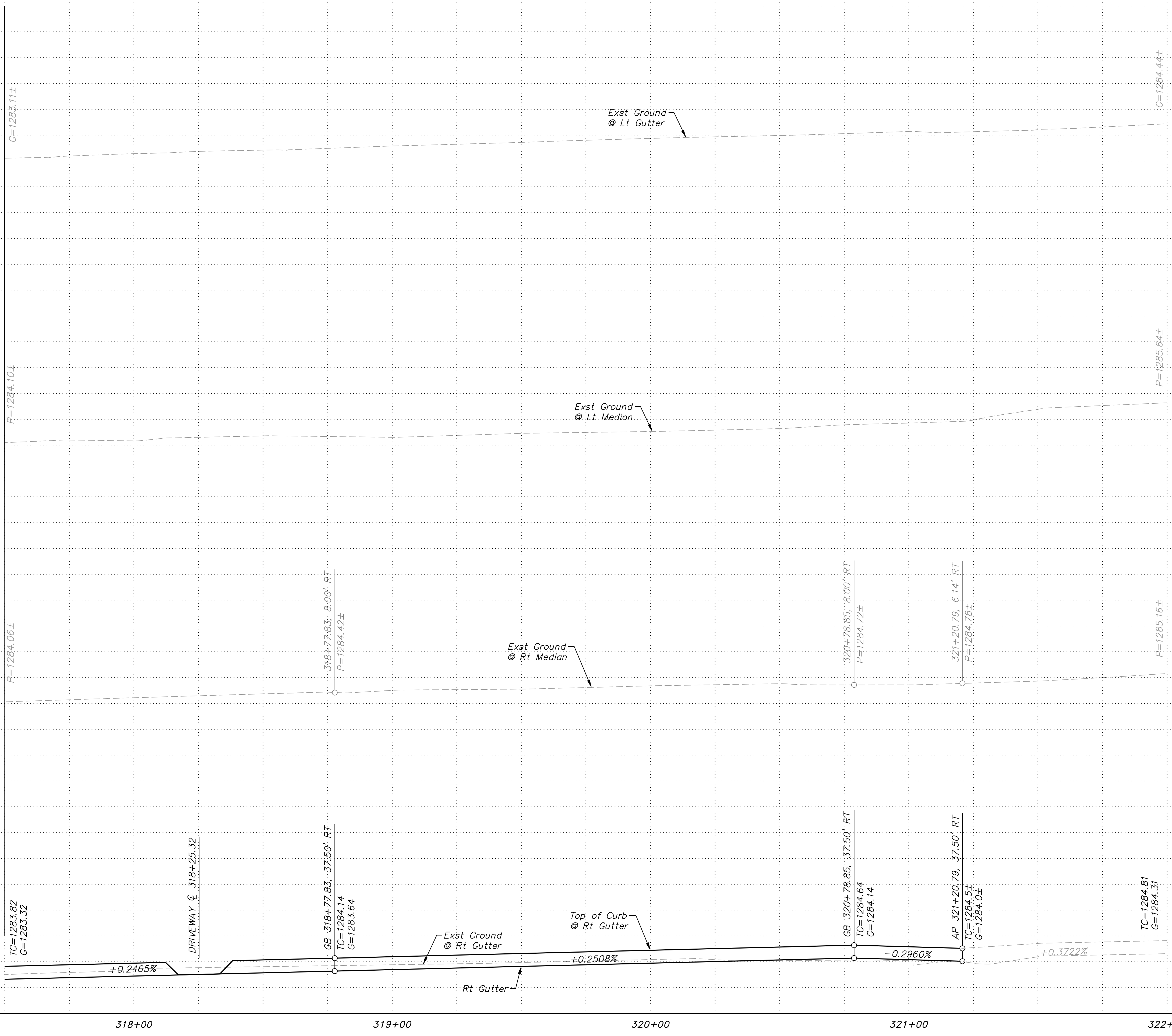
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43 OF 135	



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MATCHLINE STA. 317+50 SEE DWG PR22



SHEET NOTES	
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NO.	REVISIONS	DATE	BY

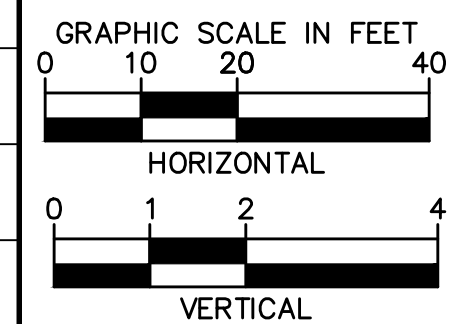
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SCALE (H):	1"=20'
SCALE (V):	1"=2'
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

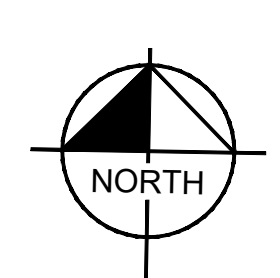
CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 CHANDLER HEIGHTS RD PAVING PROFILE  
 STA 317+50 TO STA 322+00

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0244JD
ADOT NO.	T0203.01C
SHEET DWG	PR23
44 OF 135	



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

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**CONSTRUCTION NOTES**

NO.	DESCRIPTION	QTY	UNIT
4	Surface Seal	1,985	SY
10	Concrete Sidewalk Per MAG Dtl 230, 6' (Typ)	1,202	SF
15	Concrete Driveway Entrance Per MAG Dtl 250	189	SF

NO.	REVISIONS	DATE	BY

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SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**CHANDLER HEIGHTS RD PAVING PLAN**  
**STA 322+00 TO STA 326+50**

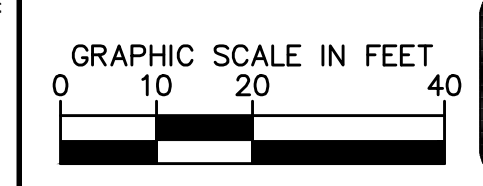
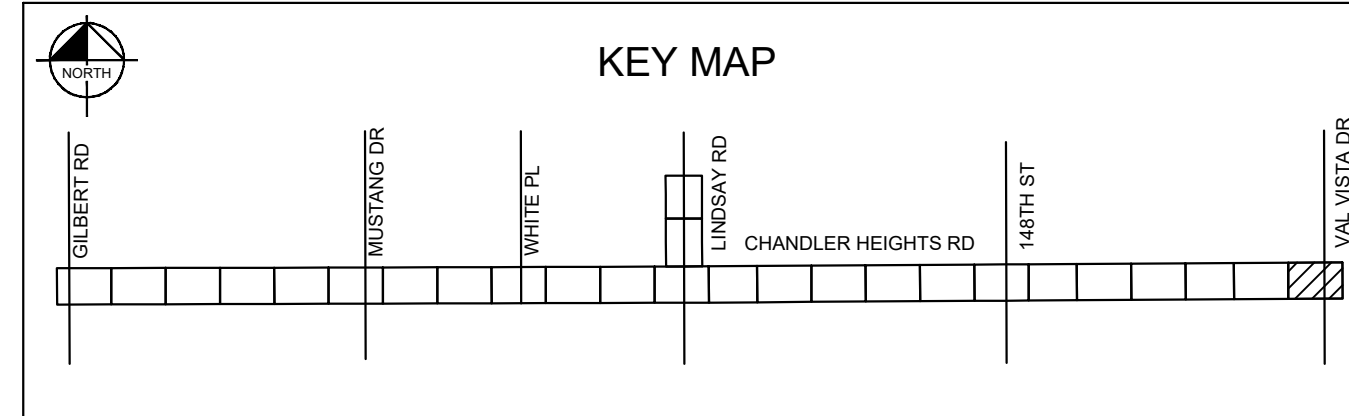
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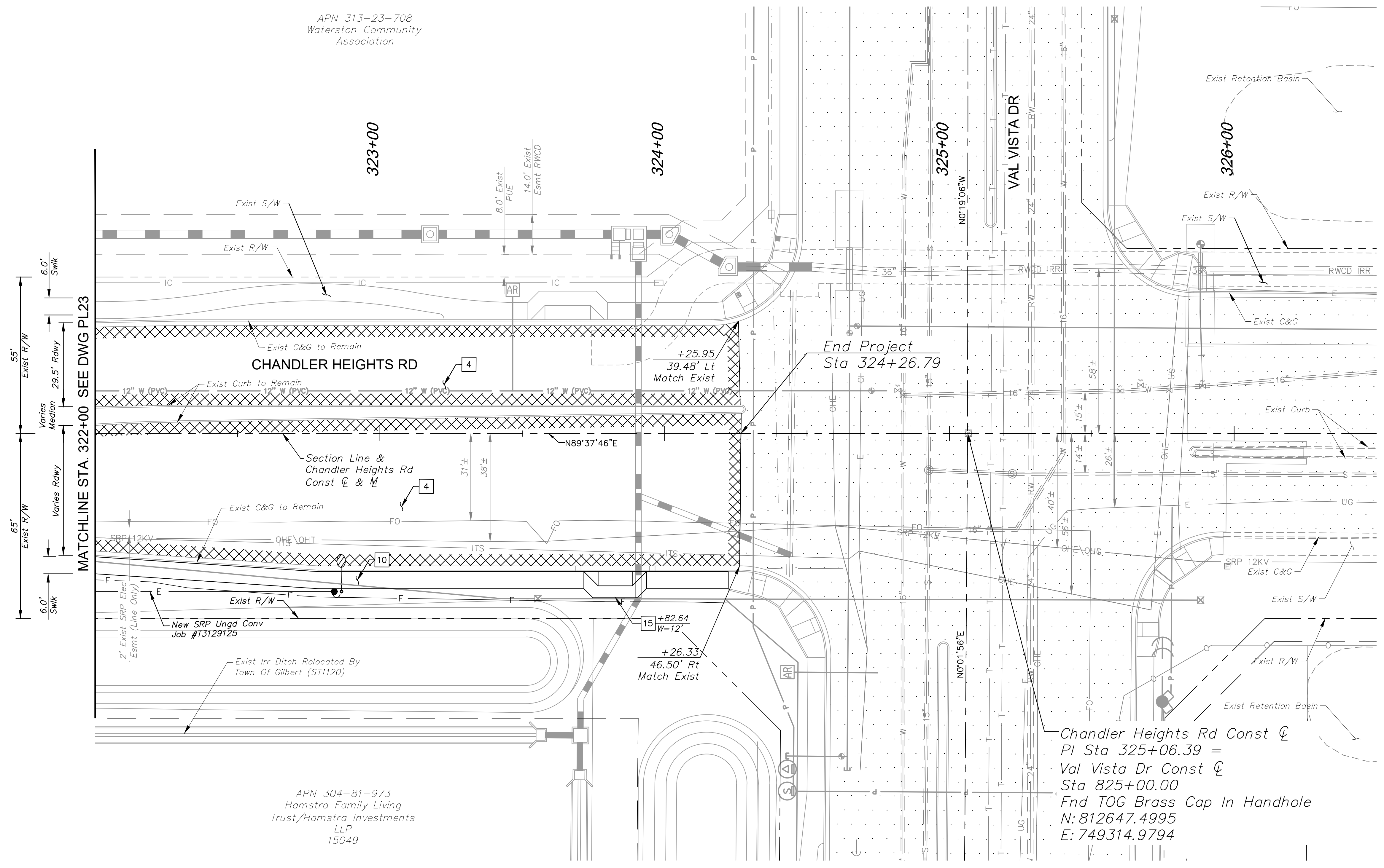
45 OF 135

**SHEET NOTES**

- Dimensions and offsets are to the face of curb unless otherwise noted.
- See DWG SL06 for Street Lighting Plans.



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS



End Project  
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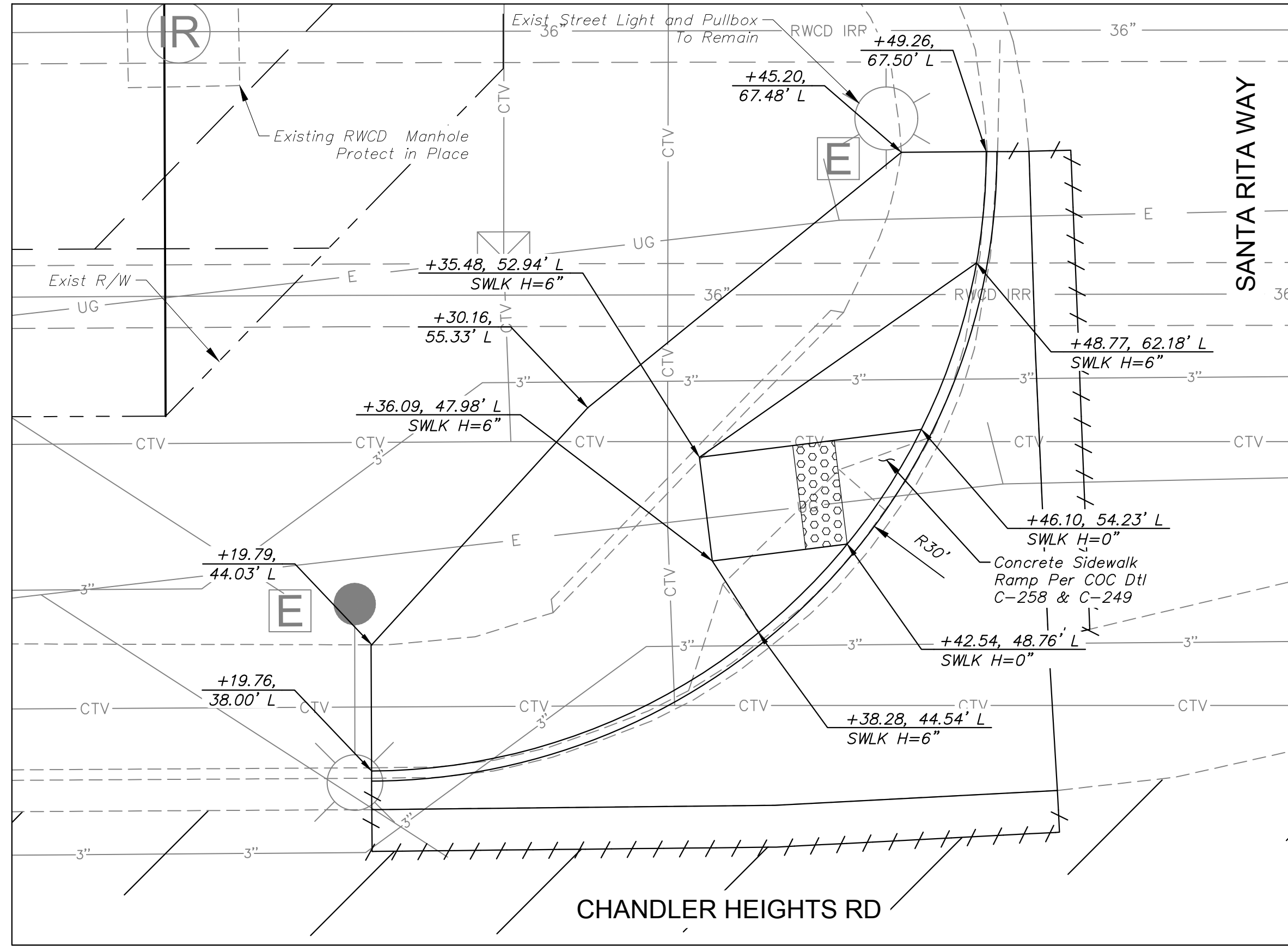
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APN 313-23-708  
 Waterston Community Association

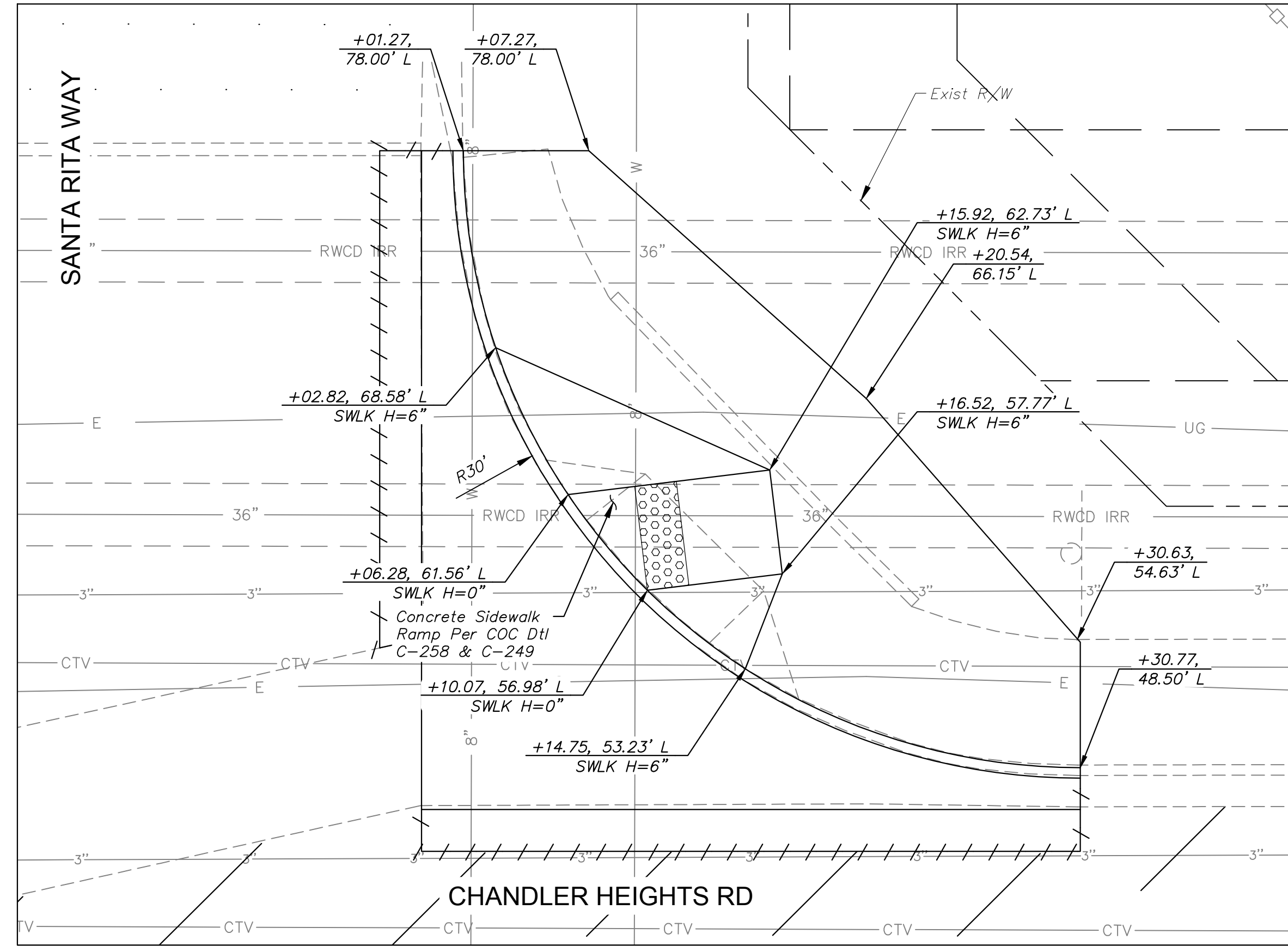
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MATCHLINE STA. 322+00 SEE DWG PL23

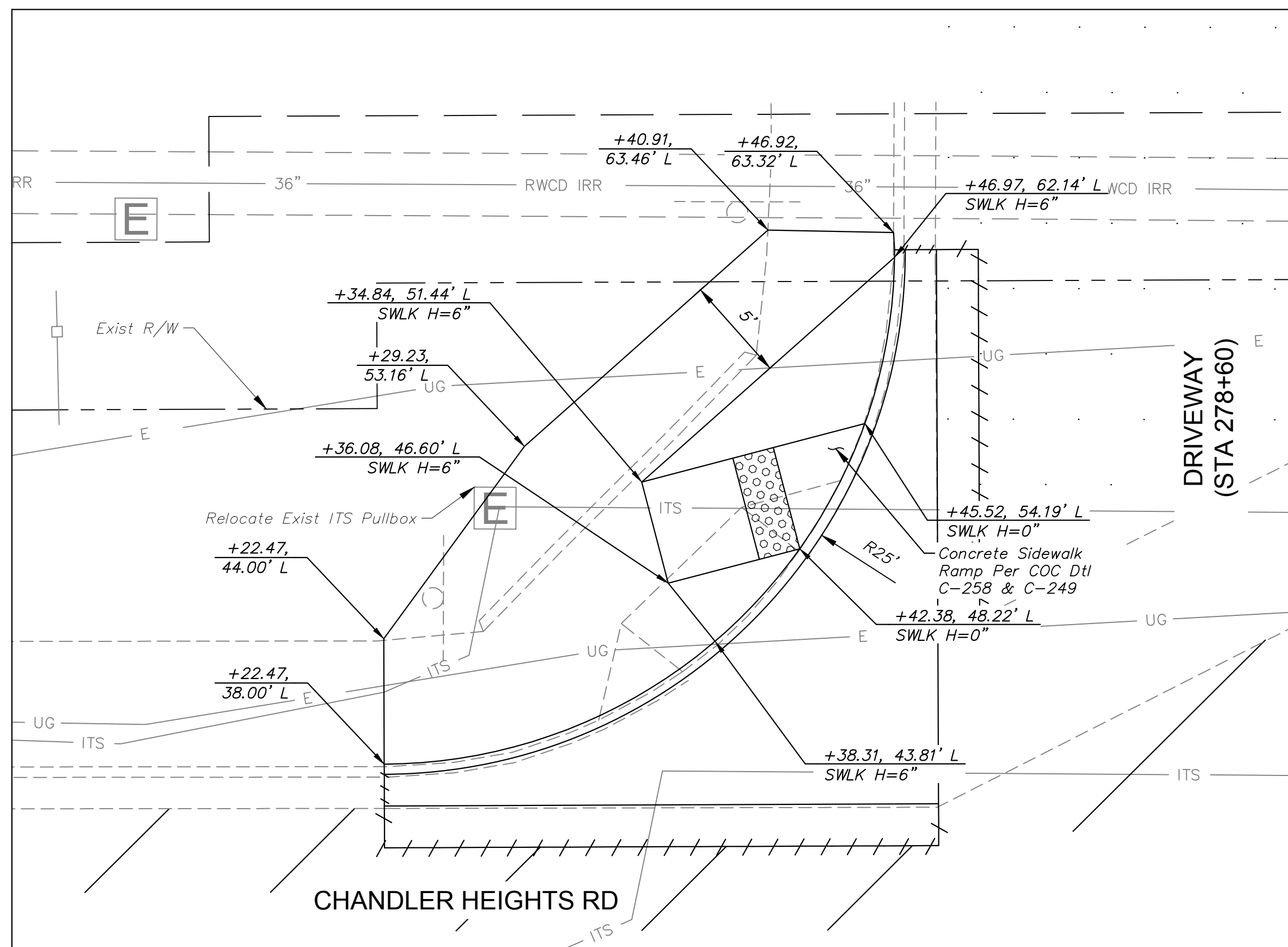
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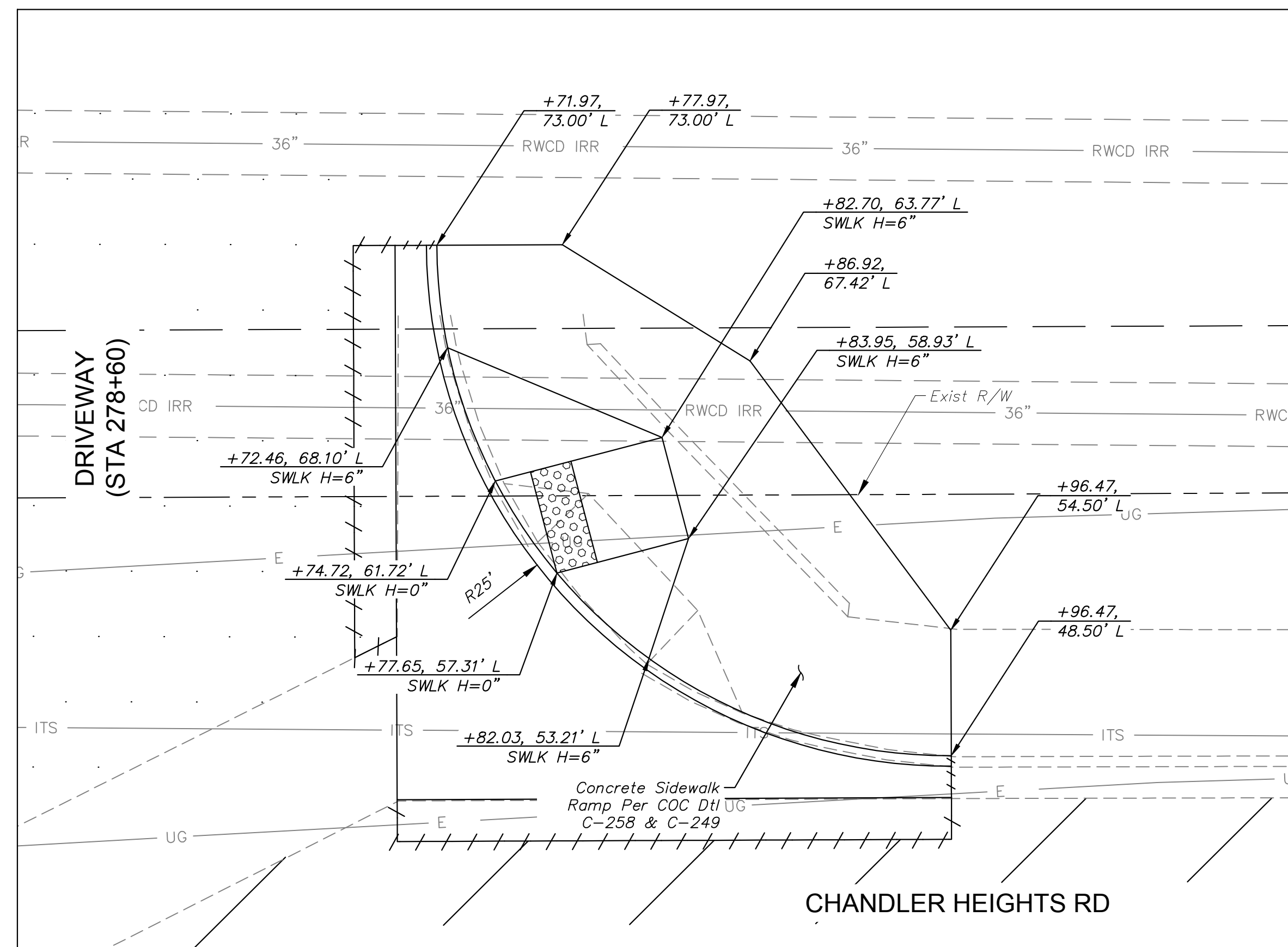
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NEC SIDEWALK RAMP  
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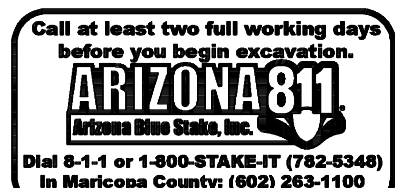
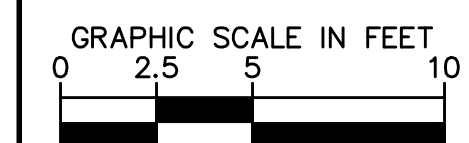
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1" = 5' SCALE



NEC SIDEWALK RAMP  
1" = 5' SCALE

SHEET NOTES

1. All Station and Offsets Reference the Chandler Heights Rd Construction Centerline.
2. Sidewalk Height is in Reference to the Gutter Elevation and does not include the Sidewalk Slope.
3. See DWG IC02 for ITS Plans



No.	REVISIONS	DATE	BY

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 WWW.KIMLEY-HORN.COM



SCALE (H):	1"=5'
SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	ALM
CHECKED BY:	CCW
DATE:	03/2024

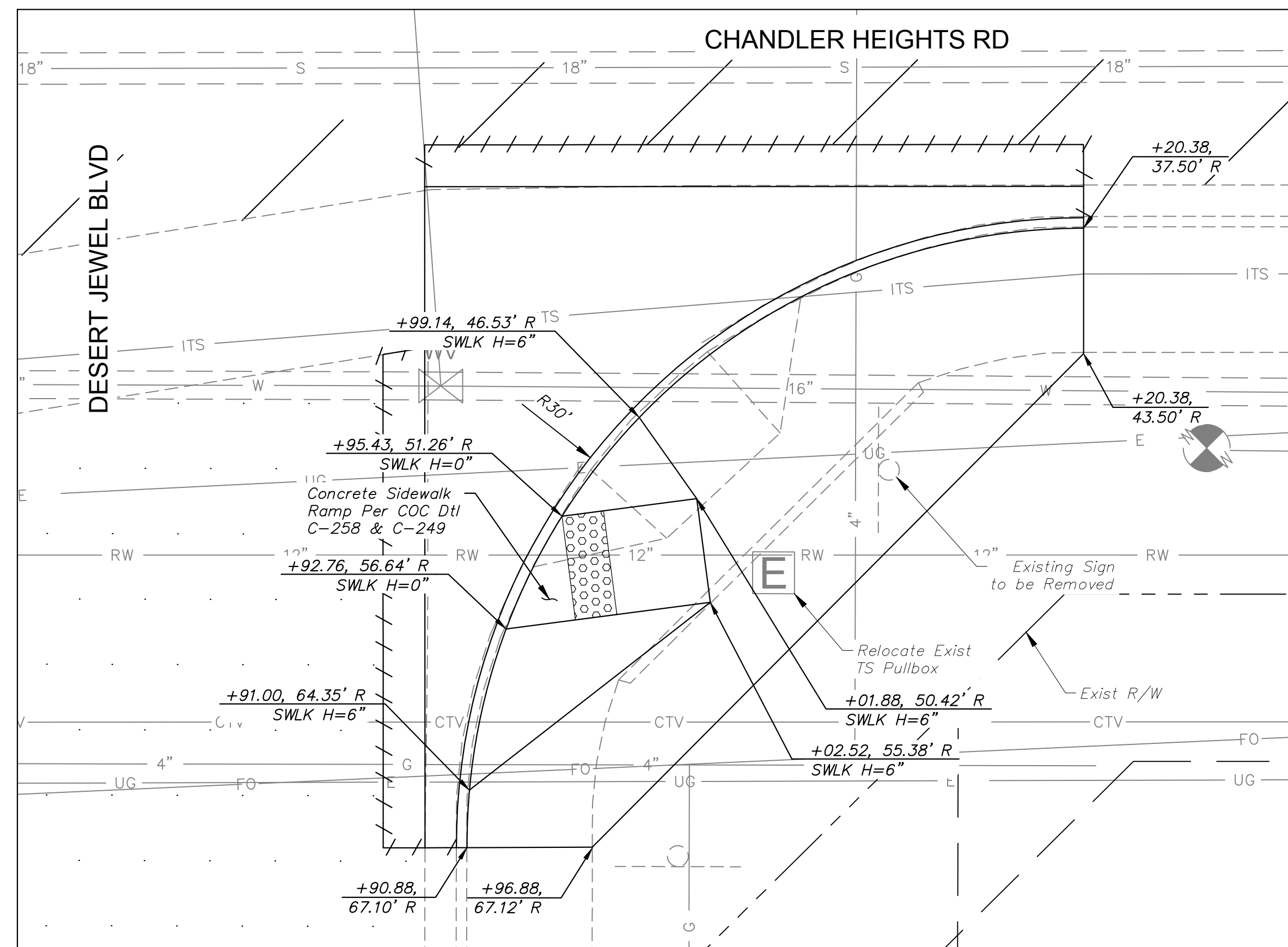
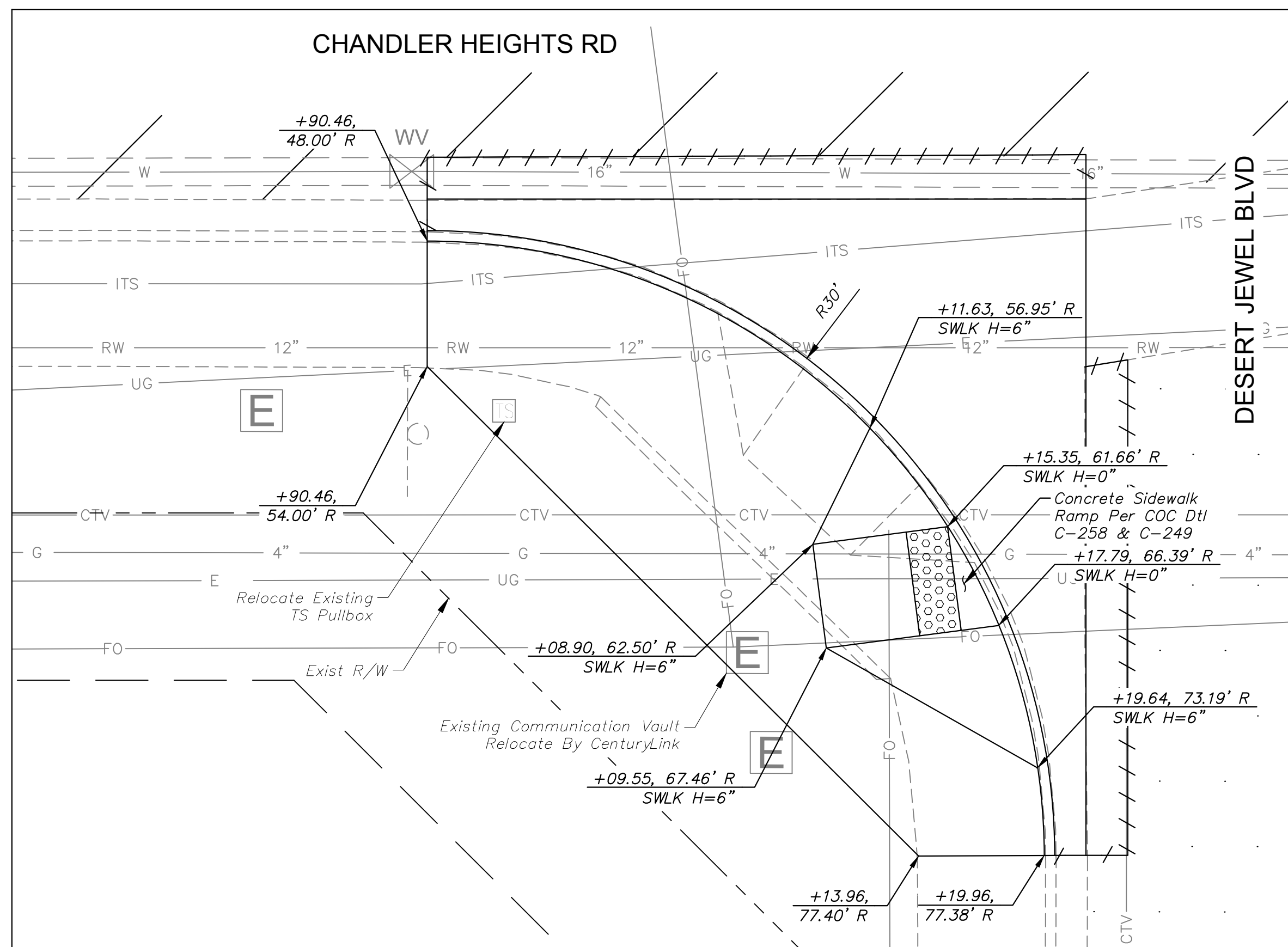
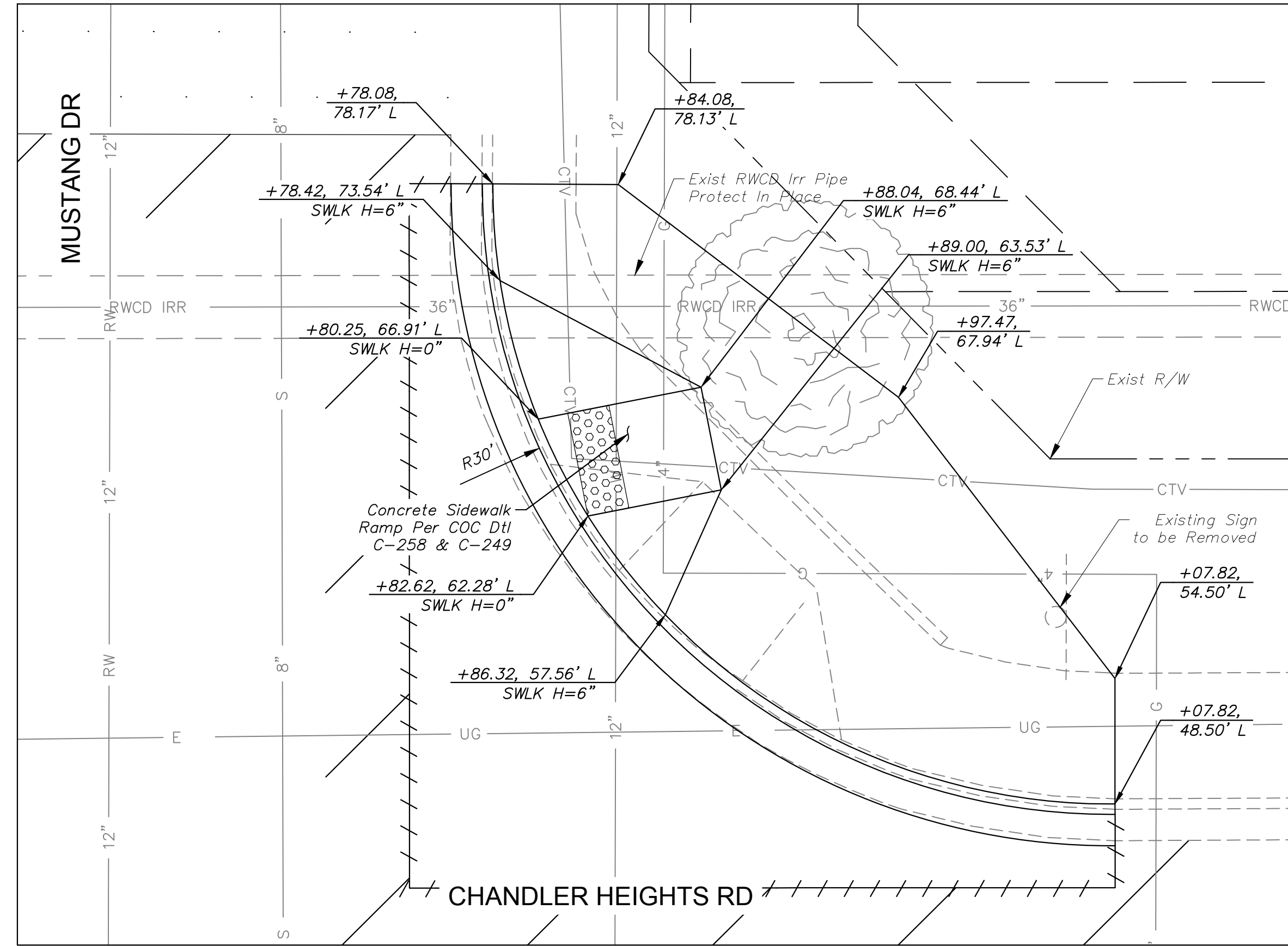
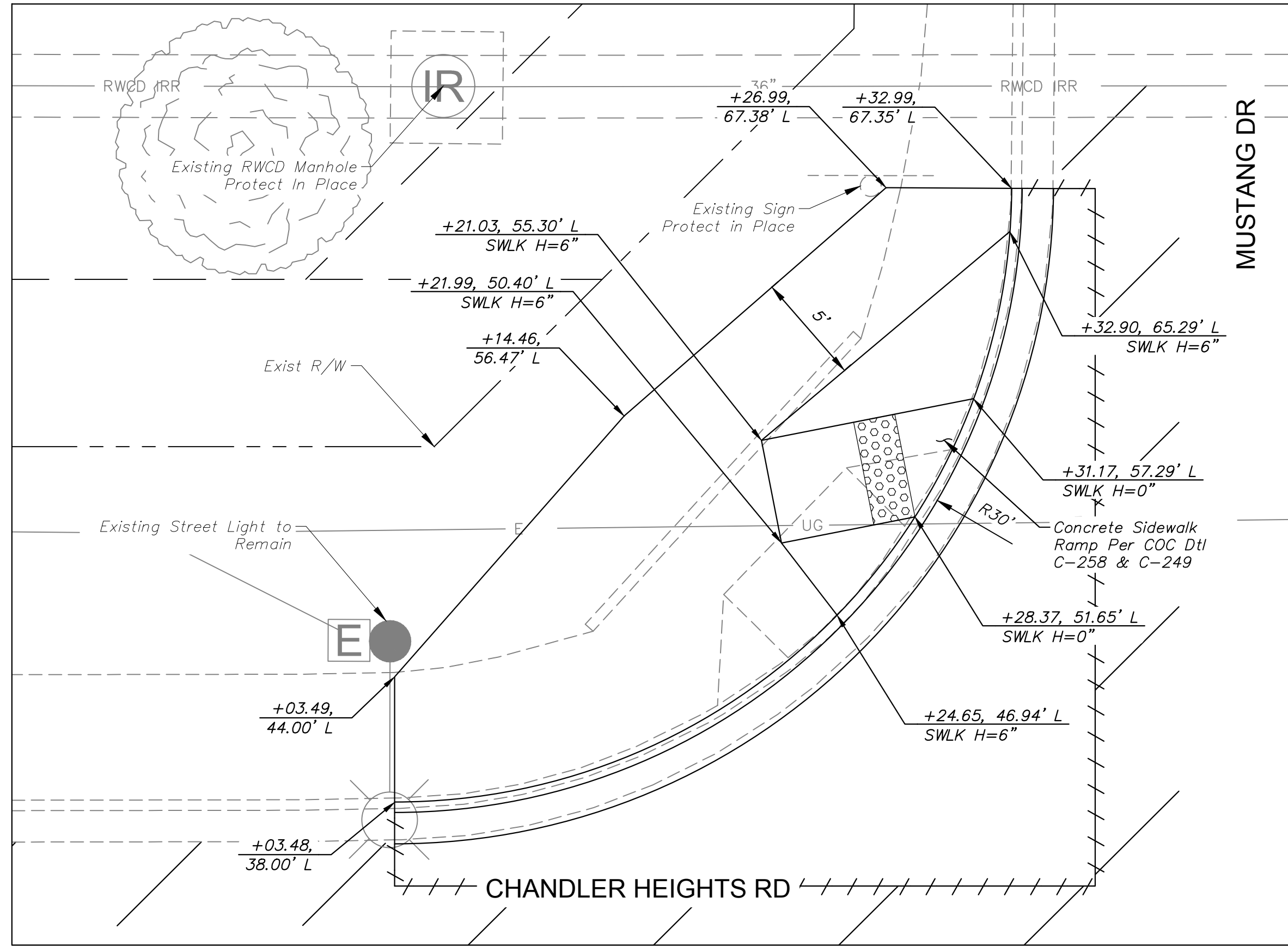
CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 SIDEWALK RAMP DETAILS

CITY PROJECT NO.  
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 FEDERAL NO.  
 CHN-0(244)D  
 ADOT NO. T0203.01C

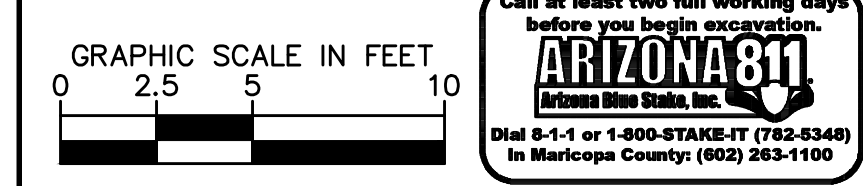
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 46 OF 135

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

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- SHEET NOTES**
- All Station and Offsets Reference the Chandler Heights Rd Construction Centerline.
  - Sidewalk Height is in Reference to the Gutter Elevation and does not include the Sidewalk Slope.
  - See DWG TS04 for Traffic Signal Plans.
  - See DWG IC02 for ITS Plans



NO.	REVISIONS	DATE	BY

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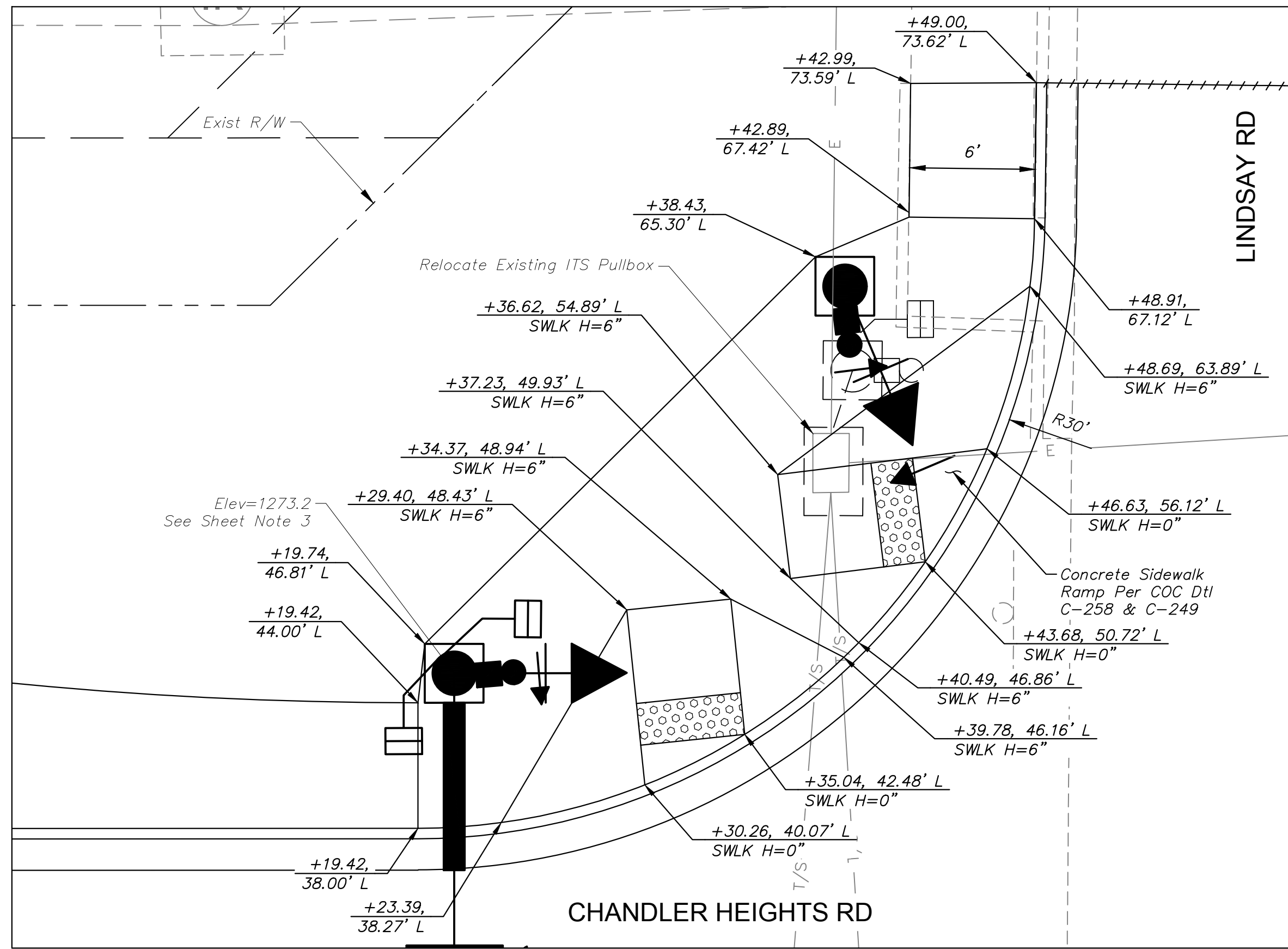
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DRAWN BY:	ALM
CHECKED BY:	CCW
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**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**SIDEWALK RAMP DETAILS**

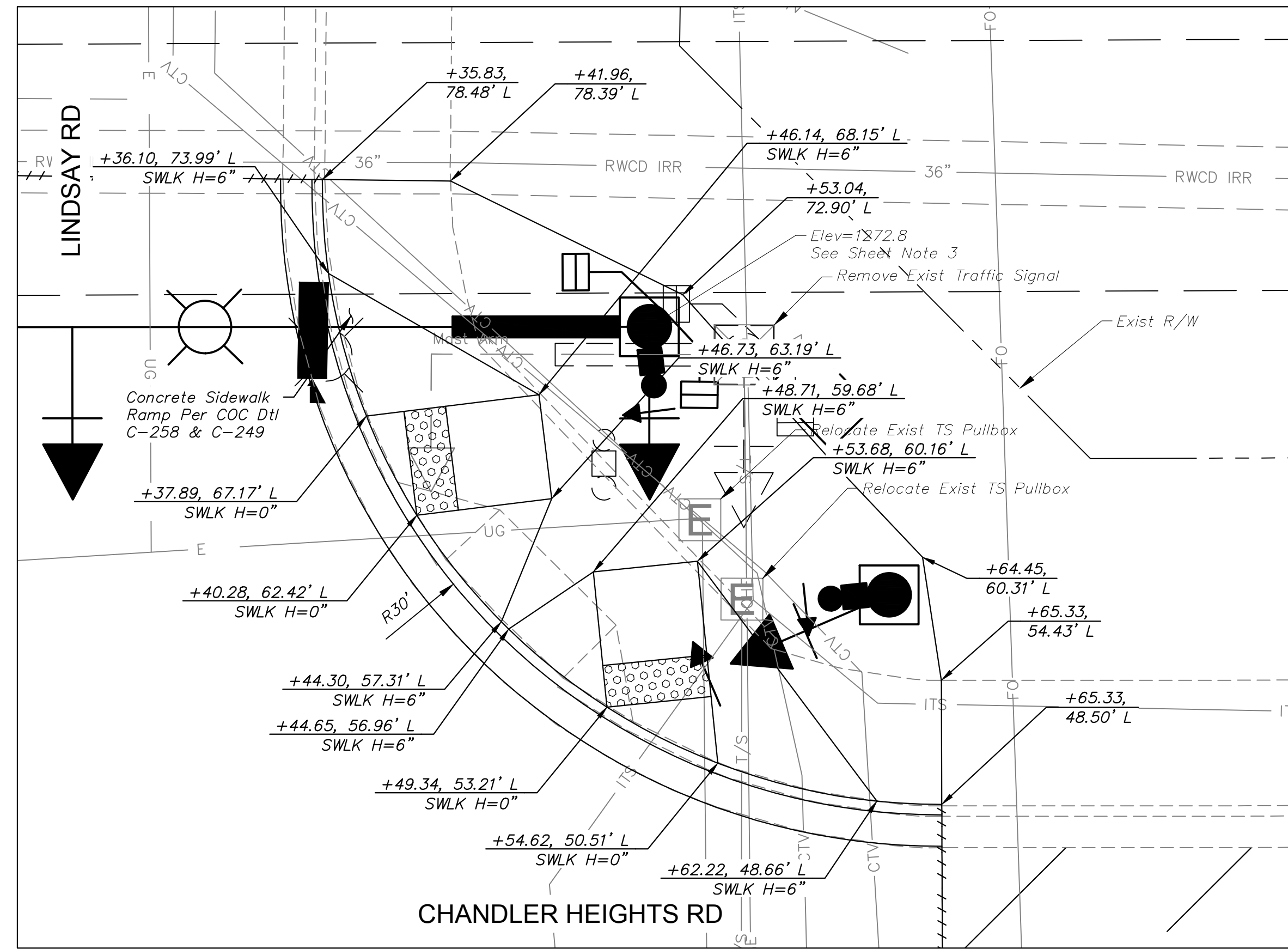
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SHEET DWG	SW02
47 OF 135	

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

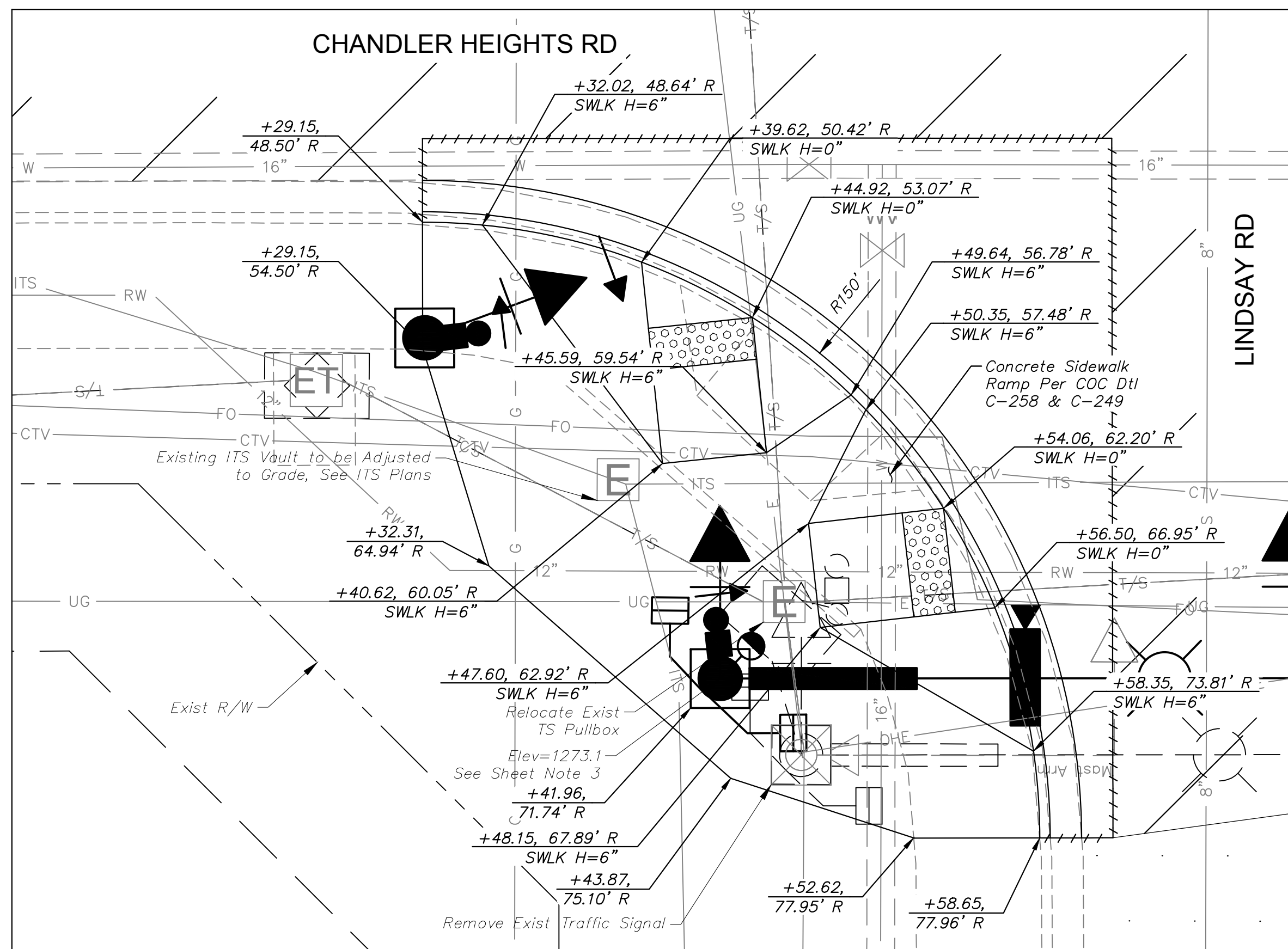




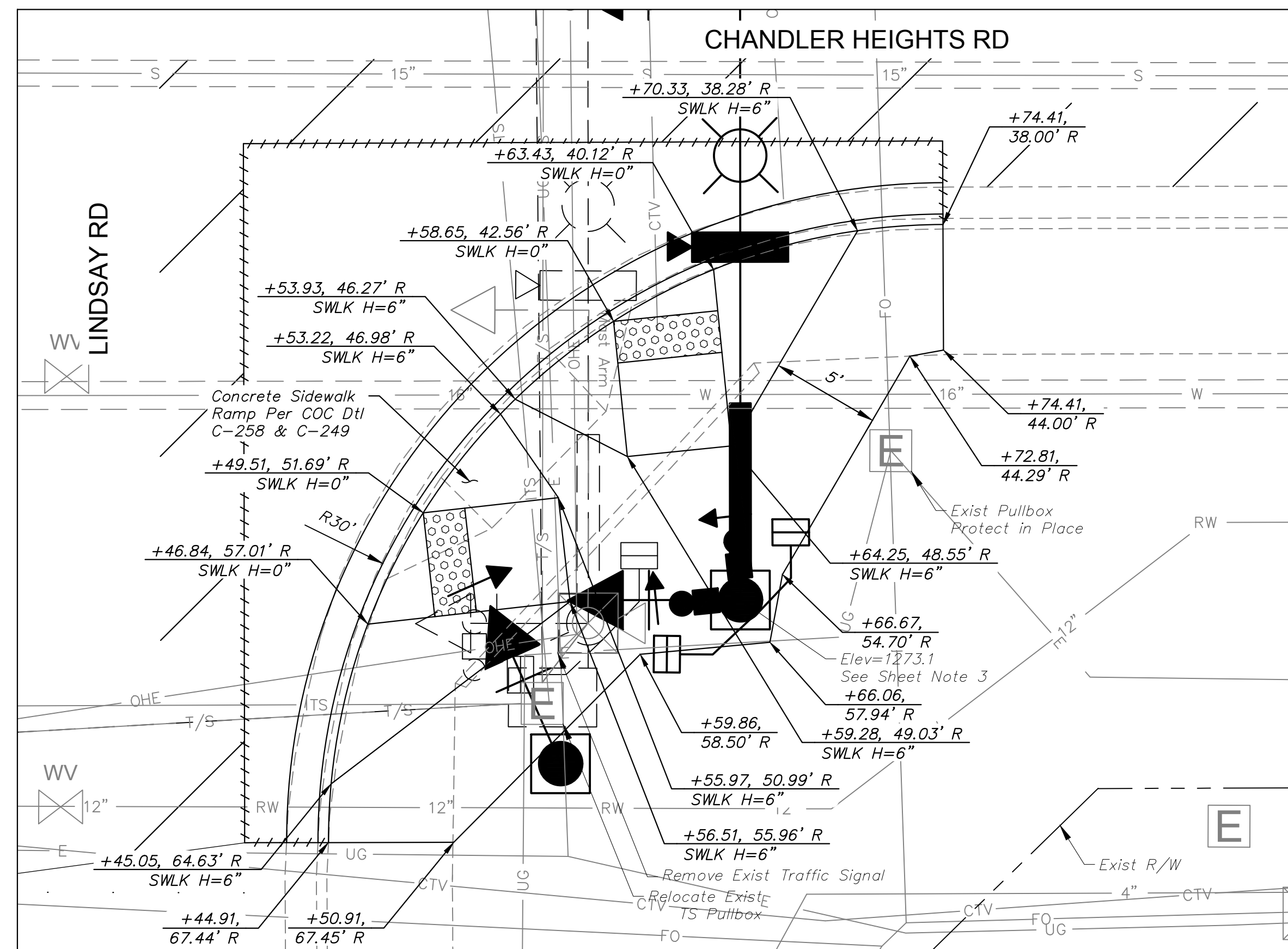
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1" = 5' SCALE



**NEC SIDEWALK RAMP**  
1" = 5' SCALE



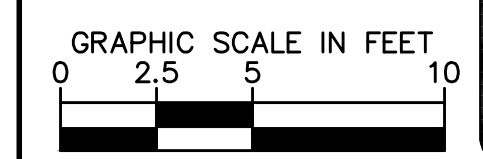
**SWC SIDEWALK RAMP**  
1" = 5' SCALE



**SEC SIDEWALK RAMP**  
1" = 5' SCALE

**SHEET NOTES**

- All Station and Offsets Reference the Chandler Heights Rd Construction Centerline.
- Sidewalk Height is in Reference to the Gutter Elevation and does not include the Sidewalk Slope.
- See DWG TS01 - TS03 for Traffic Signal Plans.
- See DWG IC03 For ITS Plans



NO.	REVISIONS	DATE	BY

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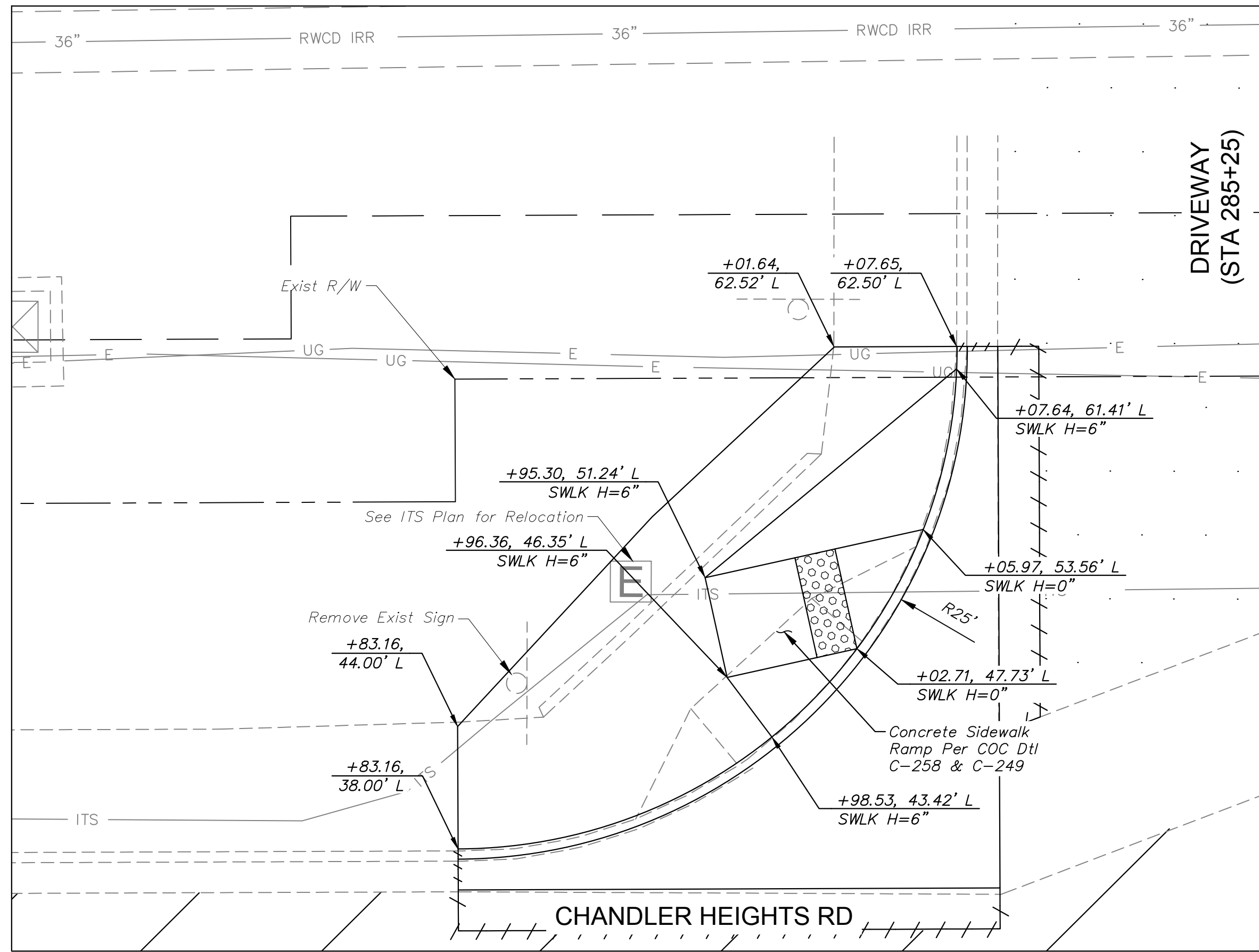
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DRAWN BY: ALM  
CHECKED BY: CCW  
DATE: 03/2024

**CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
SIDEWALK RAMP DETAILS**

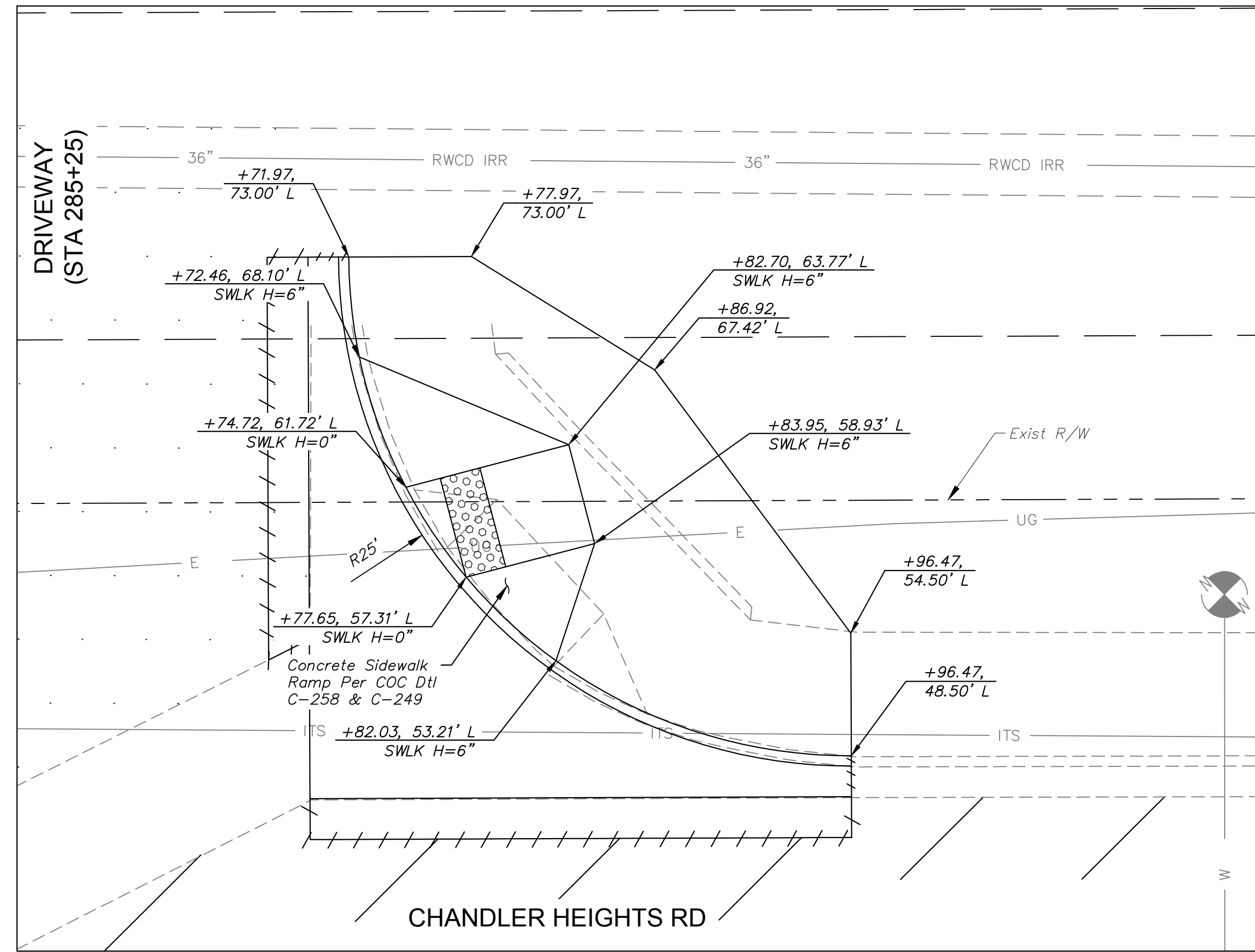
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FEDERAL NO. CHN-0244JD  
ADOT NO. T0203.01C

SHEET DWG SW03  
48 OF 135

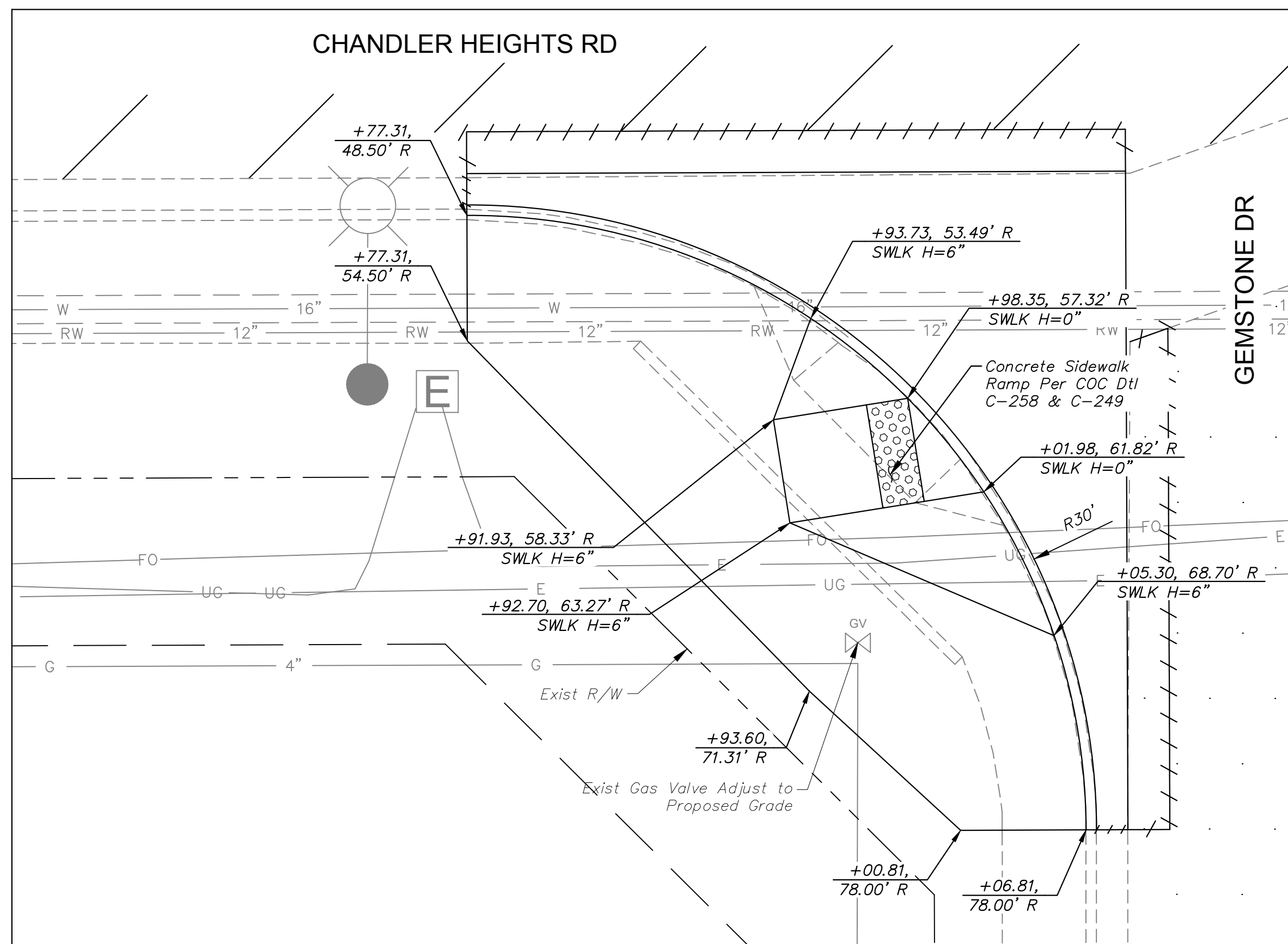
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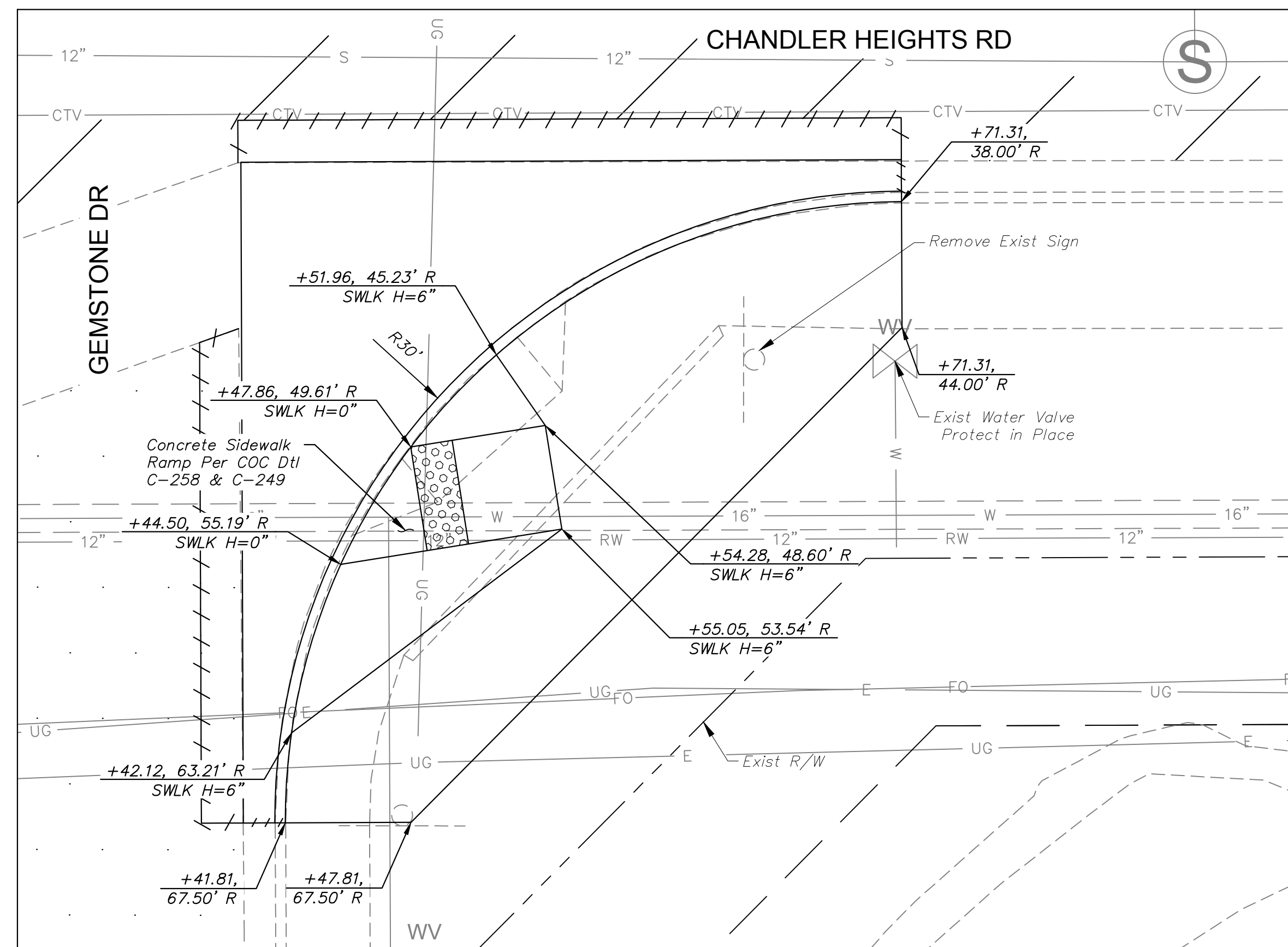
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1" = 5' SCALE



NEC SIDEWALK RAMP  
1" = 5' SCALE



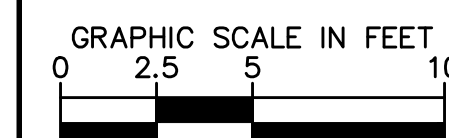
SWC SIDEWALK RAMP  
1" = 5' SCALE



SEC SIDEWALK RAMP  
1" = 5' SCALE

SHEET NOTES

1. All Station and Offsets Reference the Chandler Heights Rd Construction Centerline.
2. Sidewalk Height Is In Reference to the Gutter Elevation and does not include the Sidewalk Slope.



No.	REVISIONS	DATE	BY

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SCALE (H):	1"=5'
SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	ALM
CHECKED BY:	CCW
DATE:	03/2024

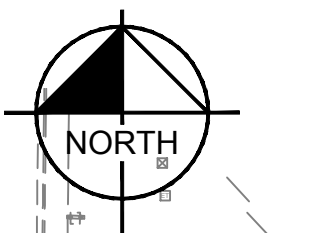
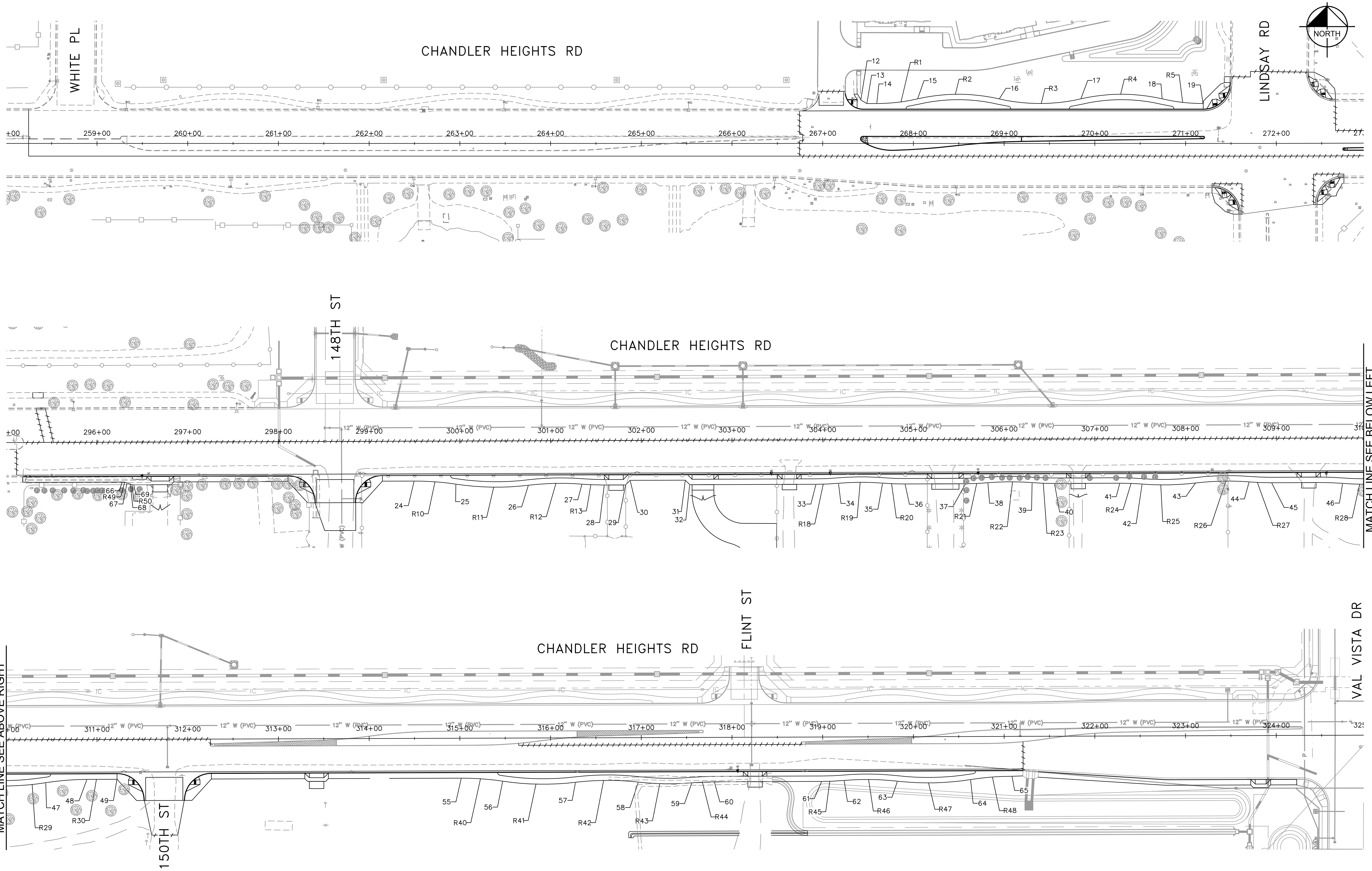
CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 SIDEWALK RAMP DETAILS

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0244JD
ADOT NO.	T0203.01C
SHEET DWG	SW04
49 OF 135	

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

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NO.	REVISIONS	DATE	BY

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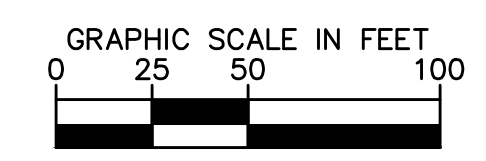
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SCALE (H):	1"=50'
SCALE (V):	N/A
DESIGNED BY:	RSM
DRAWN BY:	DLR
CHECKED BY:	CCW
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 SIDEWALK GEOMETRY

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(24)D
ADOT NO.	T0203 01C
SHEET DWG	SW05
50 OF 135	



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

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CHANDLER HEIGHTS ROAD  
SIDEWALK CONTROL POINTS

POINT NO.	STATION	OFFSET
12	267+41.91	48.00' LT
13	267+48.55	44.00' LT
14	267+59.42	44.00' LT
15	268+04.42	49.13' LT
16	268+94.42	49.13' LT
17	269+84.42	49.13' LT
18	270+74.42	49.13' LT
19	271+19.42	44.00' LT

CHANDLER HEIGHTS ROAD  
SIDEWALK CONTROL POINTS

POINT NO.	STATION	OFFSET
24	299+49.56	44.00' RT
25	299+95.25	47.50' RT
26	300+75.53	49.00' RT
27	301+34.59	48.00' RT
28	301+59.07	49.00' RT
29	301+82.55	49.00' RT
30	301+87.56	44.00' RT
31	302+48.36	44.00' RT
32	302+53.36	49.00' RT

CHANDLER HEIGHTS ROAD  
SIDEWALK CONTROL POINTS

POINT NO.	STATION	OFFSET
33	303+92.56	49.00' RT
34	304+17.03	48.00' RT
35	304+65.98	48.00' RT
36	304+90.46	49.00' RT
37	305+57.32	49.00' RT
38	305+81.80	48.00' RT
39	306+30.75	48.00' RT
40	306+55.22	49.00' RT
41	307+27.49	49.00' RT
42	307+51.96	50.00' RT
43	308+11.01	49.00' RT
44	308+70.07	48.00' RT
45	308+94.54	49.00' RT
46	309+73.07	50.00' RT
47	310+43.22	47.50' RT
48	310+88.91	44.00' RT
49	311+22.00	44.00' RT

CHANDLER HEIGHTS ROAD  
SIDEWALK CONTROL POINTS

POINT NO.	STATION	OFFSET
55	315+01.55	44.00' RT
56	315+47.24	47.50' RT
57	316+27.51	49.00' RT
58	316+96.68	49.00' RT
59	317+55.74	50.00' RT
60	317+80.21	49.00' RT
61	318+98.85	49.00' RT
62	319+23.33	48.00' RT
63	319+82.38	49.00' RT
64	320+62.66	47.50' RT
65	321+08.35	44.00' RT
66	296+27.70	44.00' RT
67	296+32.96	44.95' RT
68	296+36.74	46.74' RT
69	296+40.12	47.00' RT

CHANDLER HEIGHTS ROAD  
SIDEWALK CURVE CONTROL POINTS

POINT NO.	STATION	OFFSET	RADIUS
R1	267+59.42	244.00' LT	200.00'
R2	268+49.42	145.74' RT	200.00'
R3	269+39.42	244.00' LT	200.00'
R4	270+29.42	145.74' RT	200.00'
R5	271+19.42	244.00' LT	200.00'

CHANDLER HEIGHTS ROAD  
SIDEWALK CURVE CONTROL POINTS

POINT NO.	STATION	OFFSET	RADIUS
R10	299+49.56	344.00' RT	300.00'
R11	300+40.94	249.00' RT	300.00'
R12	301+10.11	347.00' RT	300.00'
R13	301+59.07	251.00' LT	300.00'

CHANDLER HEIGHTS ROAD  
SIDEWALK CURVE CONTROL POINTS

POINT NO.	STATION	OFFSET	RADIUS
R18	303+92.56	251.00' LT	300.00'
R19	304+41.51	347.00' RT	300.00'
R20	304+90.46	251.00' LT	300.00'
R21	305+57.32	251.00' LT	300.00'
R22	306+06.27	347.00' RT	300.00'
R23	306+55.22	251.00' LT	300.00'
R24	307+27.49	349.00' RT	300.00'
R25	307+76.43	249.00' LT	300.00'
R26	308+45.59	347.00' RT	300.00'
R27	308+94.54	251.00' LT	300.00'
R28	309+97.53	249.00' LT	300.00'
R29	310+88.91	344.00' RT	300.00'

CHANDLER HEIGHTS ROAD  
SIDEWALK CURVE CONTROL POINTS

POINT NO.	STATION	OFFSET	RADIUS
R40	315+01.55	344.00' RT	300.00'
R41	315+92.93	249.00' LT	300.00'
R42	316+62.10	347.00' RT	300.00'
R43	317+31.26	249.00' LT	300.00'
R44	317+80.21	349.00' RT	300.00'
R45	318+98.85	251.00' LT	300.00'
R46	319+47.80	347.00' RT	300.00'
R47	320+16.97	249.00' LT	300.00'
R48	321+08.35	344.00' RT	300.00'
R49	296+30.37	44.25' RT	15.00'
R50	296+38.46	46.46' RT	10.00'

No.	REVISIONS	DATE	BY

**Kimley»»Horn**

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SCALE (H):	N/A	SCALE (V):	N/A
DESIGNED BY:	RSM	DRAWN BY:	DLR
CHECKED BY:	CCW	DATE:	03/2024

CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
SIDEWALK GEOMETRY

CITY PROJECT NO.  
ST1804.401  
FEDERAL NO.  
CHN-Q(244)D  
ADOT NO. T0203 01C



SHEET DWG  
SW06  
51 OF 135

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

**GENERAL STRUCTURAL NOTES:**

- THE DESIGN OF CMU WALLS AND FOUNDATIONS IS BASED ON THE 2018 IBC WITH CITY OF CHANDLER AMENDMENTS.
- DESIGN LOADS  
WIND:  
ULTIMATE DESIGN WIND SPEED = 115 MPH  
NOMINAL DESIGN WIND SPEED = 89 MPH  
RISK CATEGORY = II  
WIND EXPOSURE = C  
DESIGN WIND PRESSURE = 30.0 PSF (STRENGTH LEVEL)  
INTERNAL PRESSURE COEFFICIENT = N/A  
COMPONENTS AND CLADDING PRESSURE = 40.0 PSF  
  
EARTH:  
WEIGHT OF BACKFILL = 120 PCF  
COEFFICIENT OF FRICTION = 0.30  
DESIGN BEARING PRESSURE = 1500 PSF  
ACTIVE EQUIVALENT FLUID PRESSURE = 45 PSF  
PASSIVE EQUIVALENT FLUID PRESSURE = 100 PSF
- BACKFILL SHALL NOT BE PLACED UNTIL CONCRETE AND GROUT HAVE REACHED FULL 28-DAY COMPRESSIVE STRENGTH.
- SEE ROADWAY PLANS AND DTLO2 FOR WALL LAYOUT.
- SEE DTLO2 FOR WALL TYPICAL SECTION AND REINFORCING DETAILS.

**CONCRETE MATERIAL NOTES:**

- CAST-IN-PLACE CONCRETE SHALL BE CLASS A,  $f'_c = 3,000$  PSI PRECAST CONC. CAP (TYP)  
MINIMUM SLUMP SHALL BE BETWEEN 4" AND 6", AND THE MAXIMUM W/C RATIO SHALL BE 0.40.
- REINFORCING STEEL SHALL BE ASTM A615, GRADE 60.
- REINFORCING STEEL SHALL BE TRIMMED AS REQUIRED TO PROVIDE 2" CLEAR UNLESS OTHERWISE NOTED ON THE PLANS.

**MASONRY MATERIAL NOTES:**

- MASONRY:  $f'_m = 1500$  PSI, ASTM C90, MEDIUM OR NORMAL WEIGHT, RUNNING BOND, BLOCK TYPE & COLOR PER WALL DETAILS.
- MORTAR: ASTM C270, TYPE S, CUBE STRENGTH 1800 PSI, ASTM C91, MORTAR COLOR TO MATCH WALL AND TO BE APPROVED BY OWNER.
- GROUT: ASTM C476, TYPE: COARSE, CUBE STRENGTH 2500 PSI.

**JOINT DETAILS:**

CONCRETE FOOTINGS:

FOOTINGS MAY BE CONTINUOUS WITH NO JOINT.

MASONRY WALL:

CONTROL JOINTS SHALL BE PROVIDED AT INTERVALS NOT EXCEEDING 16'-0".

VERTICAL REINFORCEMENT TO BE PLACED IN CELLS ON EACH SIDE OF CONTROL JOINT.

FULLY GROUT ALL CELLS BELOW GRADE AND ALL CELLS WITH REINFORCING BARS.

HORIZONTAL REINFORCEMENT: 9 GAUGE LADDER OR TRUSS TYPE, STANDARD WEIGHT,  $F_y = 33,000$  PSI. WIRE SHALL CONFORM TO ASTM A62.

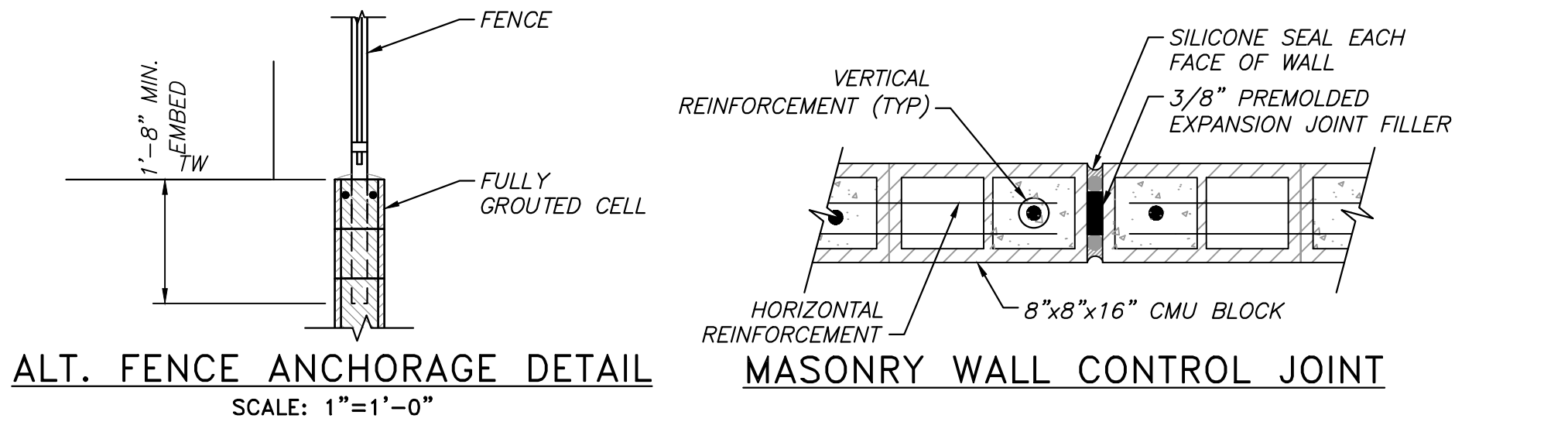
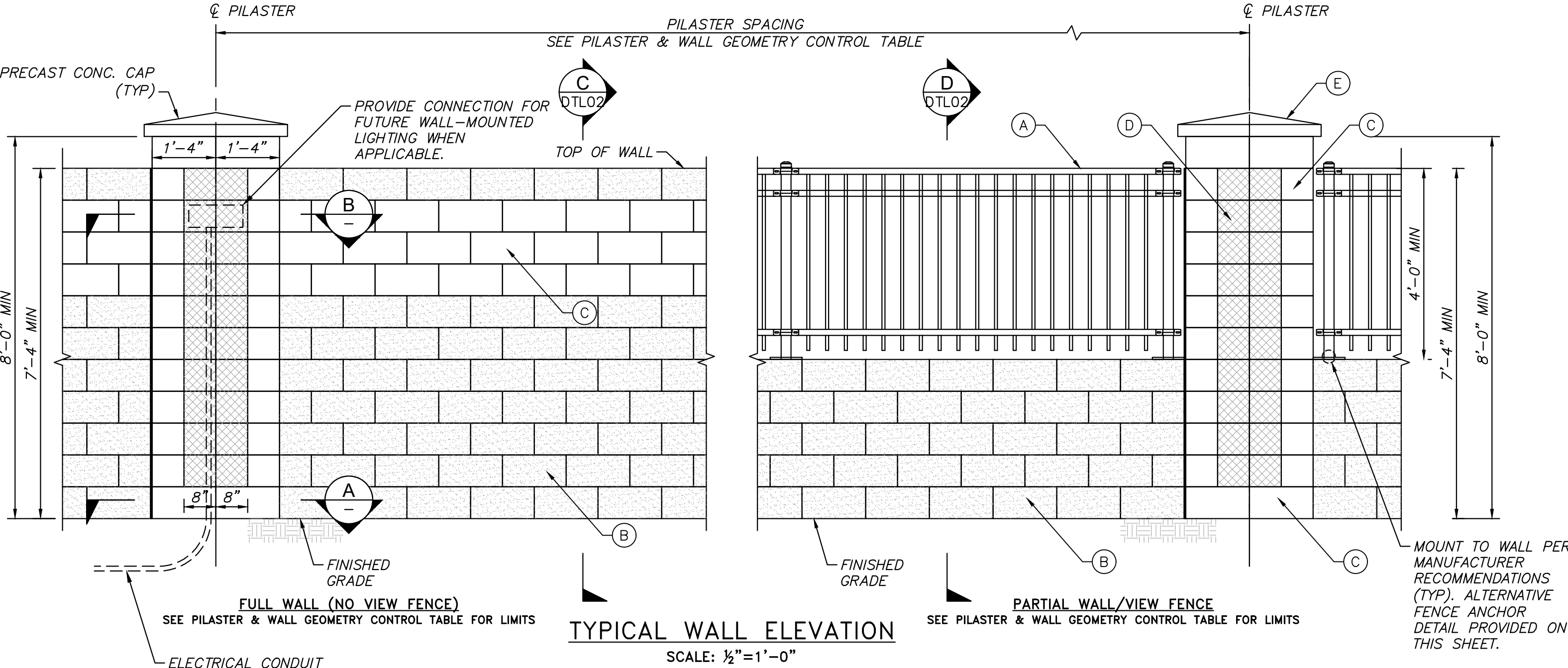
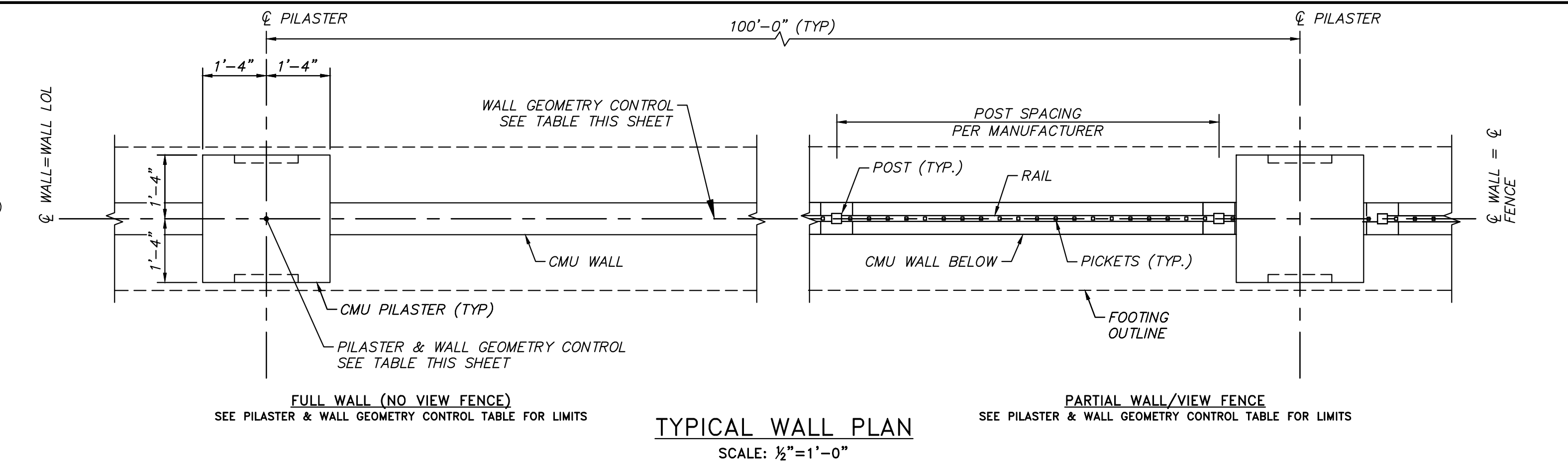
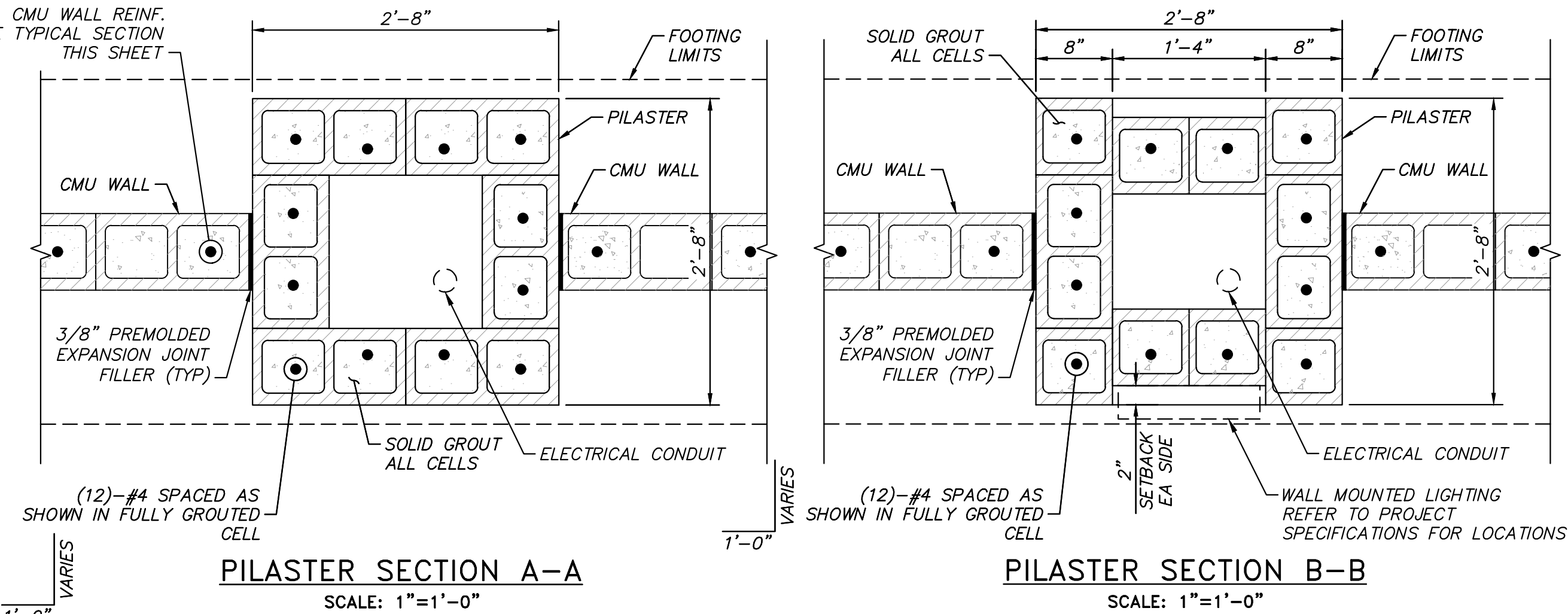
HORIZONTAL REINFORCEMENT DOES NOT CROSS THE CONTROL JOINT.

CONTROL JOINTS TO BE LOCATED AT A MINIMUM 24" AWAY FROM ALL WALL OPENINGS.

**COORDINATION:**

CONTRACTOR SHALL COORDINATE ALL EXISTING CONDITIONS DURING CONSTRUCTION OF PROJECT. UTILITY INFORMATION SHOWN ON THE PLANS MAY NOT BE COMPLETE OR ACCURATELY DEPICT THE LOCATION OF THE FACILITIES SHOWN. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL EXISTING, NEW, RELOCATED AND ABANDONED UTILITIES WITH THE PROJECT PLANS AND NOTIFY RESPECTIVE OWNERS BEFORE COMMENCING THE WORK OF EXCAVATION, INCLUDING ANY DRILLING OR PILING REQUIRED FOR TEMPORARY SHORING. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND RESOLVED PRIOR TO PROCEEDING WITH THE WORK. SEE CIVIL AND UTILITY DRAWINGS FOR ADDITIONAL INFORMATION.

VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO STARTING WORK. NOTIFY THE ENGINEER OF ANY DISCREPANCIES.



MATERIAL SCHEDULE	
NO.	DESCRIPTION
(A)	ORNAMENTAL STEEL FENCE: 'MONTAGE PLUS MAJESTIC', BLACK FINISH, BY AMERISTAR FENCE OR APPROVED EQUAL
(B)	SPLIT FACE BLOCK: INTEGRALLY COLORED 'MONTEREY STONE' BY ECHELON OR APPROVED EQUAL
(C)	SMOOTH FACE BLOCK: INTEGRALLY COLORED 'WALNUT CREEK' BY ECHELON OR APPROVED EQUAL
(D)	8" SQ. SPLIT FACE BLOCK SHALL BE INSET 2" MIN. INTEGRALLY COLORED 'MONTEREY STONE' BY ECHELON OR APPROVED EQUAL
(E)	PYRAMID COLUMN CAP: INTEGRALLY COLORED 'MONTEREY STONE' BY ECHELON OR APPROVED EQUAL

REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIAL SELECTIONS

PILASTER & WALL GEOMETRY CONTROL			
PARCEL	WALL TYPE	POINT DESCRIPTION	PILASTER STATION/OFFSET
APN 304-81-221C	FULL WALL	BEGIN WALL	295+19.27, 56.00' RT
		CENTER OF PILASTER	295+89.00, 56.00' RT
		CENTER OF PILASTER	296+56.72, 56.00' RT
		END WALL, FACE OF PILASTER	296+59.13, 68.82' RT
		BEGIN WALL, FACE OF PILASTER	296+79.80, 68.82' RT
APN 304-81-983	FULL WALL	CENTER OF PILASTER	296+84.08, 56.00' RT
		CENTER OF PILASTER	296+91.62, 56.00' RT
		CENTER OF PILASTER	297+42.62, 56.00' RT
		CENTER OF PILASTER	297+93.63, 56.00' RT
		CENTER OF PILASTER	297+93.64, 66.17' RT
		CENTER OF PILASTER	298+04.76, 66.17' RT
APN 304-81-954A	FULL WALL	CENTER OF PILASTER	298+08.49, 62.44' RT
		CENTER OF PILASTER	298+27.75, 81.69' RT
		CENTER OF PILASTER	298+21.32, 88.12' RT
		CENTER OF PILASTER	298+29.33, 96.13' RT
		END WALL	298+33.62, 96.17' RT
		BEGIN WALL, FACE OF PILASTER	298+91.64, 87.23' RT
APN 304-81-037C	VIEW WALL	CENTER OF PILASTER	299+22.88, 56.00' RT
		CENTER OF PILASTER	300+42.47, 56.00' RT
		END WALL, FACE OF PILASTER	301+62.07, 56.00' RT
		BEGIN WALL, FACE OF PILASTER	301+82.07, 56.00' RT
APN 304-81-037D	FULL WALL	CORNER POINT, NO PILASTER	302+53.85, 56.00' RT
		END WALL, FACE OF PILASTER	302+53.85, 61.00' RT
		BEGIN WALL, FACE OF PILASTER	302+81.85, 61.00' RT
APN 304-81-037D	FULL WALL	CORNER POINT, NO PILASTER	302+81.85, 56.00' RT
		END WALL, FACE OF PILASTER	302+81.85, 56.00' RT
		BEGIN WALL, FACE OF PILASTER	303+53.14, 56.00' RT
		CENTER OF PILASTER	303+73.14, 56.00' RT
APN 304-81-023C	HALF WALL VIEW FENCE	CENTER OF PILASTER	304+45.61, 56.00' RT
		END WALL, FACE OF PILASTER	305+18.07, 56.00' RT
		BEGIN WALL	305+54.92, 59.50' RT
APN 304-81-022C	HALF WALL VIEW FENCE	CORNER POINT, NO PILASTER	305+54.93, 56.00' RT
		CENTER OF PILASTER	306+11.77, 56.00' RT
		CORNER POINT, NO PILASTER	306+71.47, 56.00' RT
		END WALL, FACE OF PILASTER	306+71.47, 61.00' RT
APN 304-81-982	FULL WALL	BEGIN WALL, FACE OF PILASTER	306+91.47, 61.00' RT
		CORNER POINT, NO PILASTER	306+91.47, 56.00' RT
		CENTER OF PILASTER	307+69.03, 56.00' RT
		CENTER OF PILASTER	308+46.59, 56.00' RT
		END WALL, FACE OF PILASTER	309+25.61, 56.00' RT
APN 304-81-973	FULL WALL	BEGIN WALL, FACE OF PILASTER	309+45.61, 56.00' RT
		CENTER OF PILASTER	310+26.61, 56.00' RT
		CENTER OF PILASTER	311+08.01, 56.00' RT
		END WALL, FACE OF PILASTER	311+37.82, 86.00' RT
		BEGIN WALL, FACE OF PILASTER	312+07.82, 86.00' RT
		CENTER OF PILASTER	312+38.02, 56.00' RT
		CENTER OF PILASTER	312+83.52, 56.00' RT
		END WALL, FACE OF PILASTER	313+31.96, 56.00' RT
		BEGIN WALL, FACE OF PILASTER	316+90.45, 56.00' RT
		CENTER OF PILASTER	317+31.44, 56.00' RT
CENTER OF PILASTER	317+72.44, 56.00' RT		
END WALL, FACE OF PILASTER	318+15.32, 56.00' RT		

NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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SCALE (H):	N/A
SCALE (V):	N/A
DESIGNED BY:	MEG
DRAWN BY:	MEG
CHECKED BY:	NLM
DATE:	03/2024

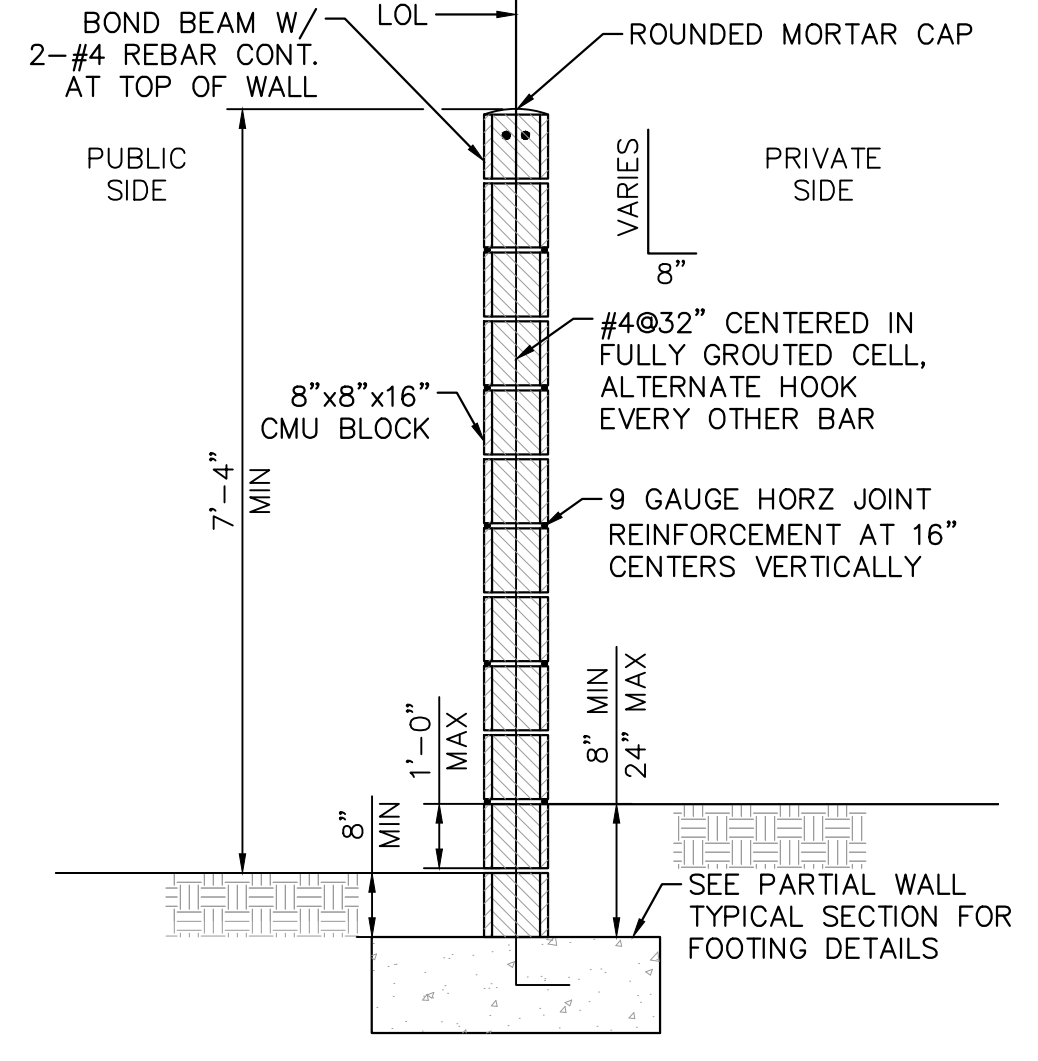
**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**WALL STRUCTURAL DETAILS**

CITY PROJECT NO. ST1804.401  
FEDERAL NO. CHN-0244D  
ADOT NO. T0203.01C

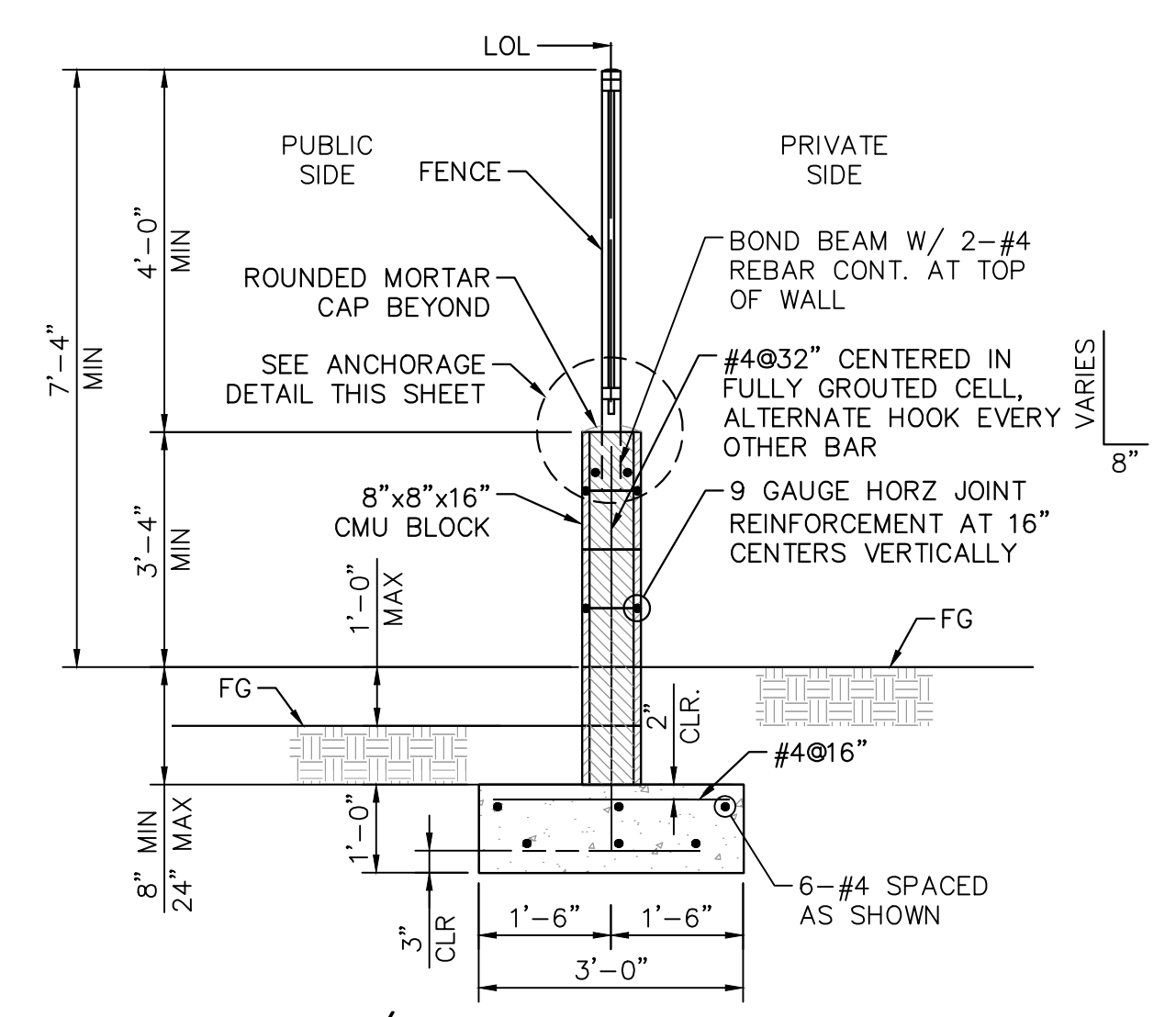
SHEET DWG DTL01  
52 OF 135

**Arizona**  
Call at least two full working days before you begin excavation.  
In Maricopa County: (602) 253-3100

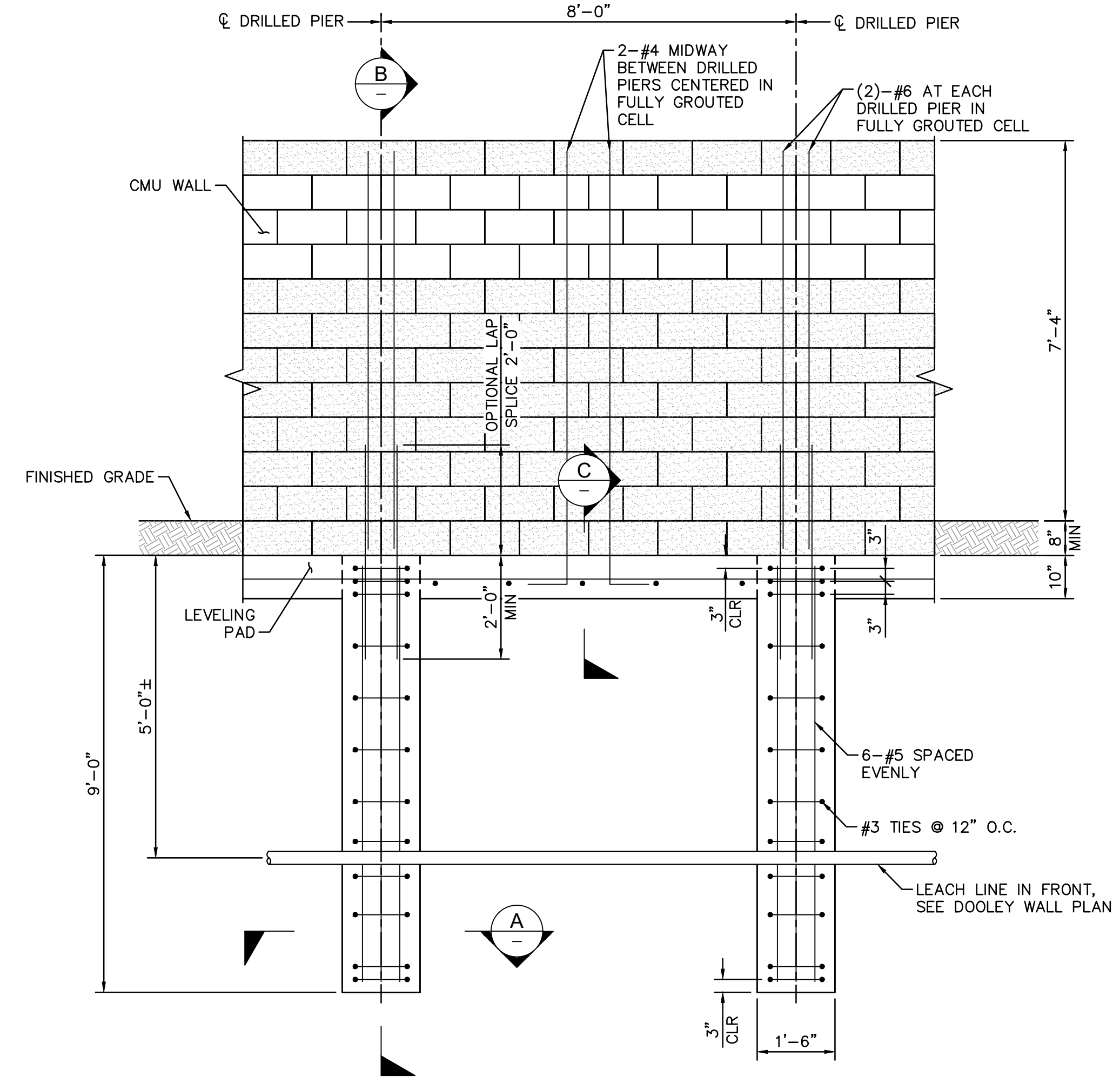
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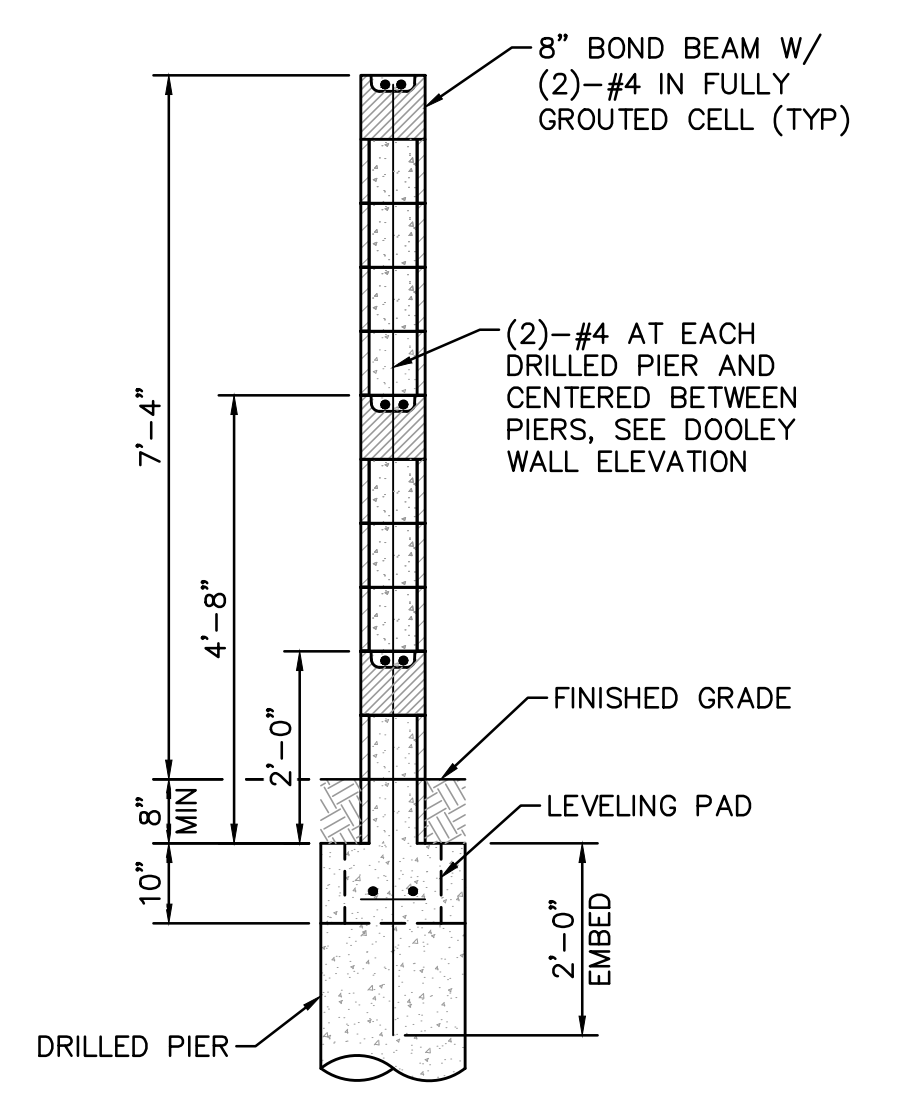
**FULL WALL TYPICAL SECTION C-C**  
SCALE: 1/2"=1'-0"



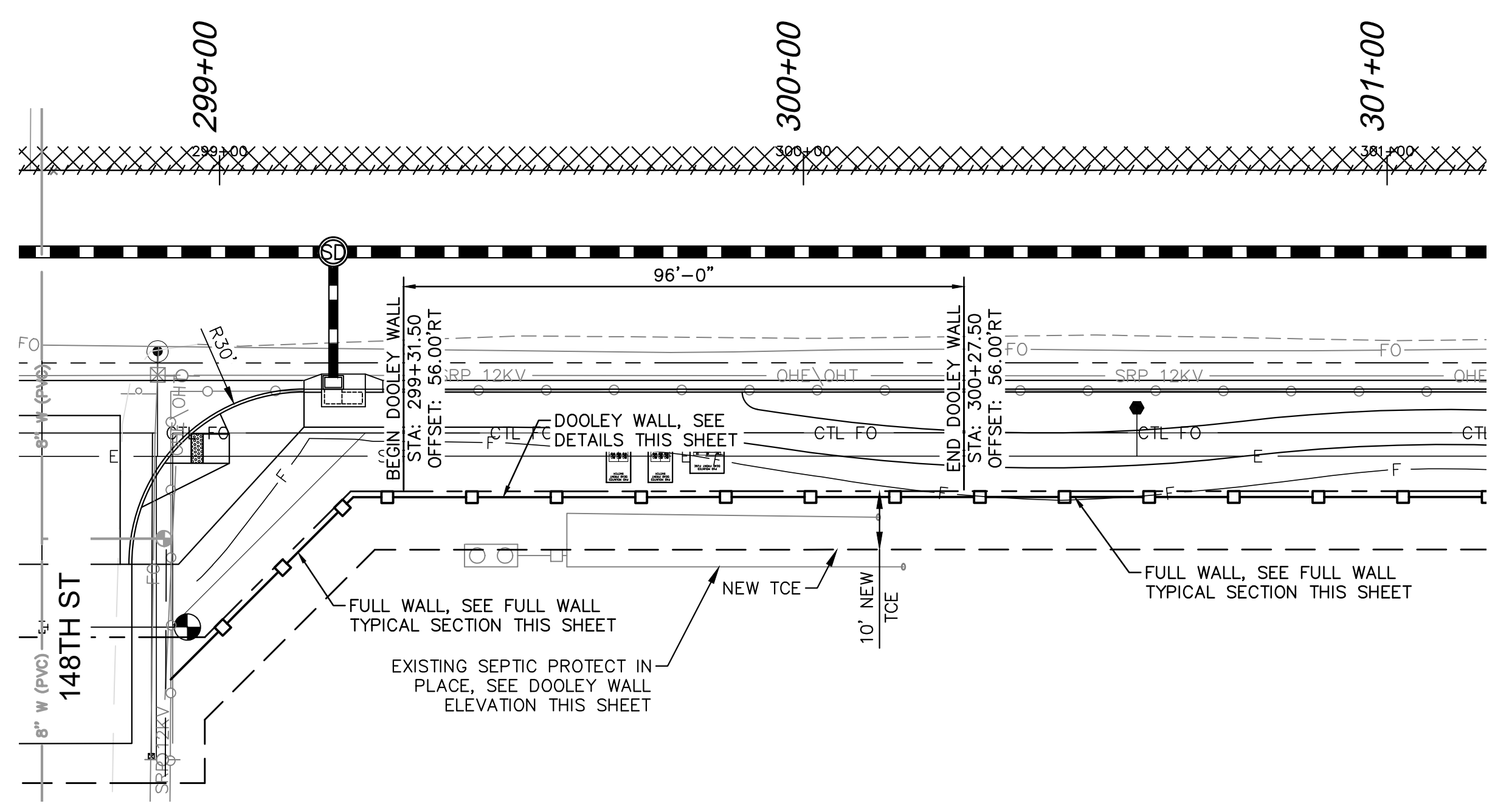
**PARTIAL WALL/VIEW FENCE TYPICAL SECTION D-D**  
SCALE: 1/2"=1'-0"



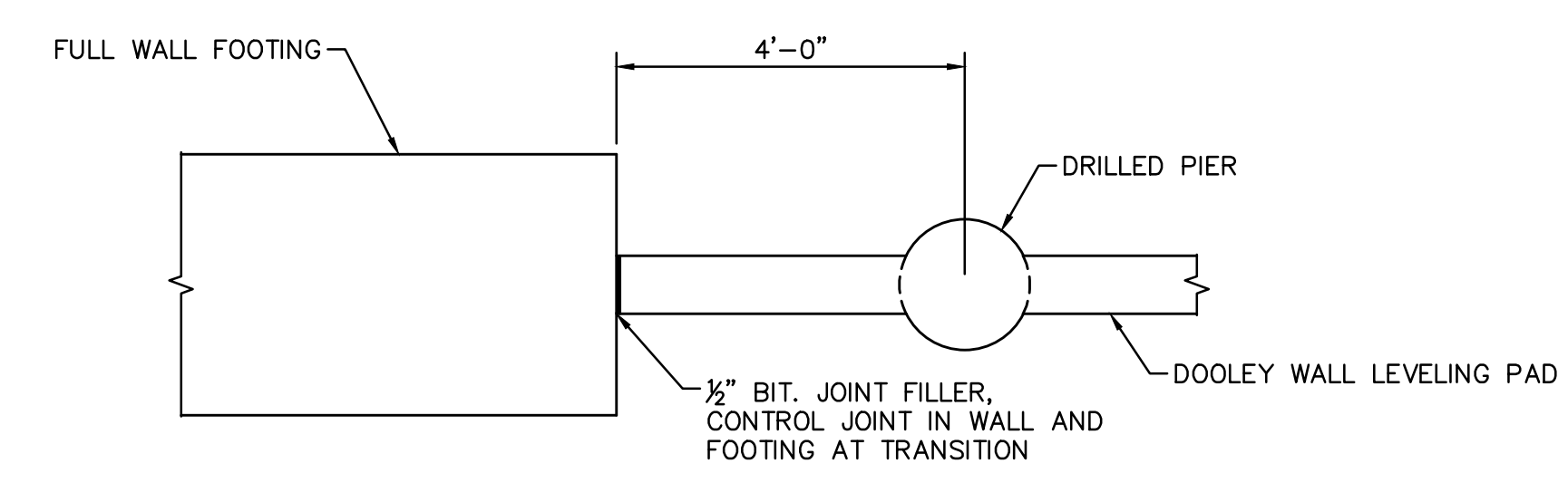
**DOOLEY WALL ELEVATION**  
SCALE: 1/2"=1'-0"



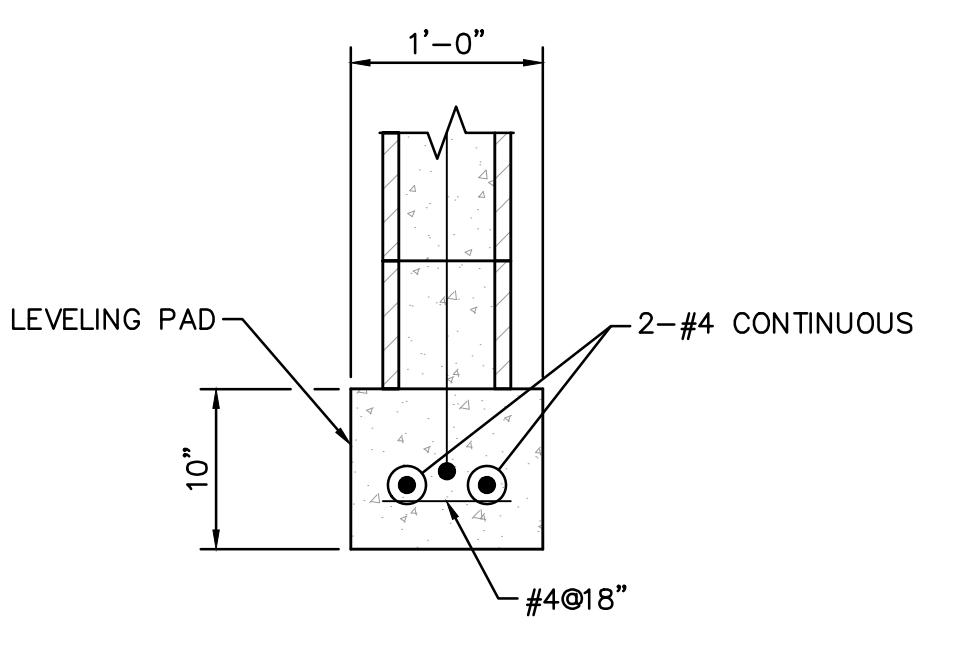
**DOOLEY WALL TYPICAL SECTION B-B**  
SCALE: 1/2"=1'-0"



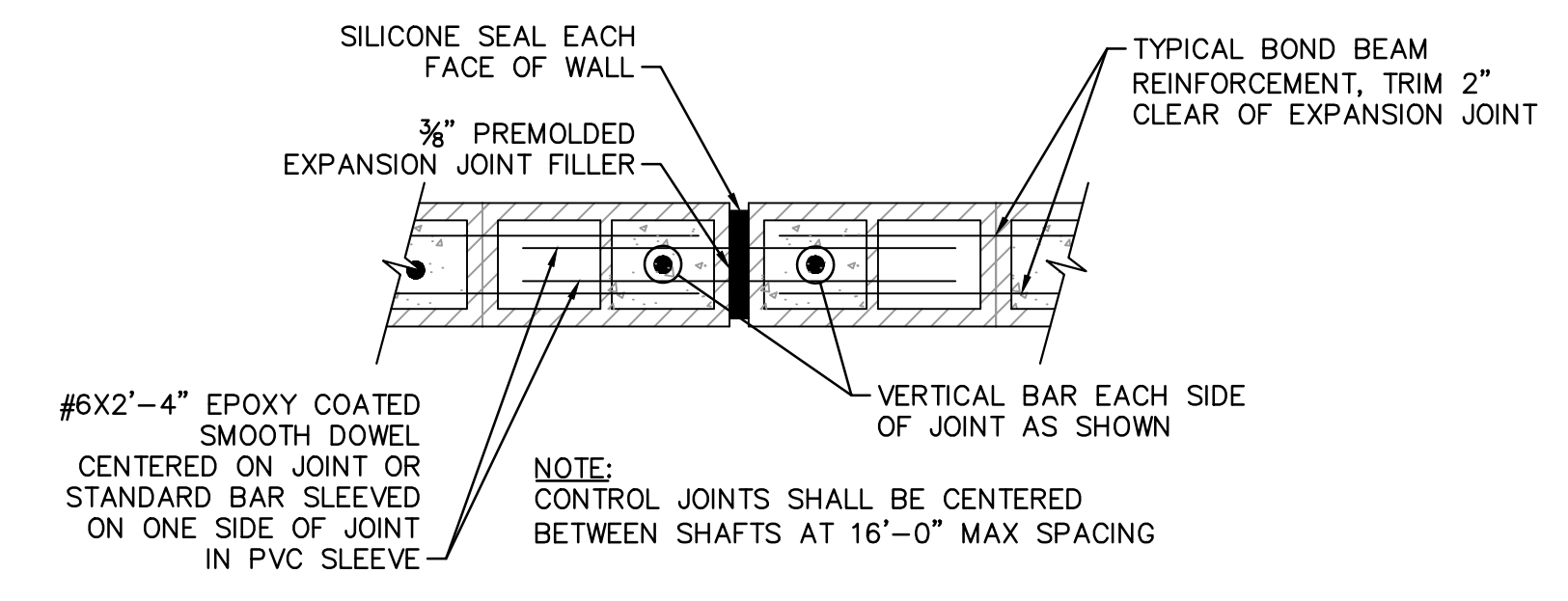
**DOOLEY WALL PLAN**  
SCALE: 1"=20'-0"



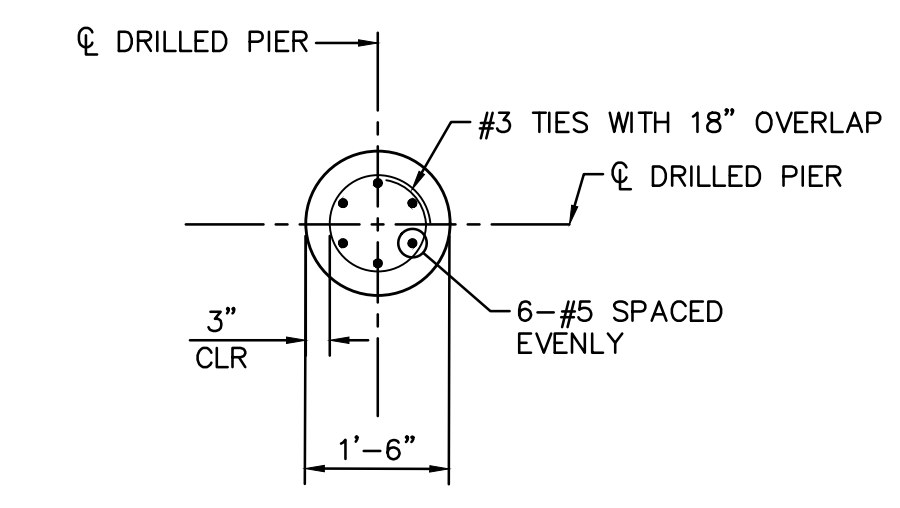
**WALL FOOTING TRANSITION DETAIL**  
SCALE: 1/2"=1'-0"



**LEVELING PAD SECTION C-C**  
SCALE: 1"=1'-0"



**DOOLEY WALL CONTROL JOINT**  
SCALE: 1"=1'-0"



**DRILLED PIER SECTION A-A**  
SCALE: 1/2"=1'-0"

BAR SIZE	LAP LENGTH
#4	2'-0"



NO.	REVISIONS	DATE	BY

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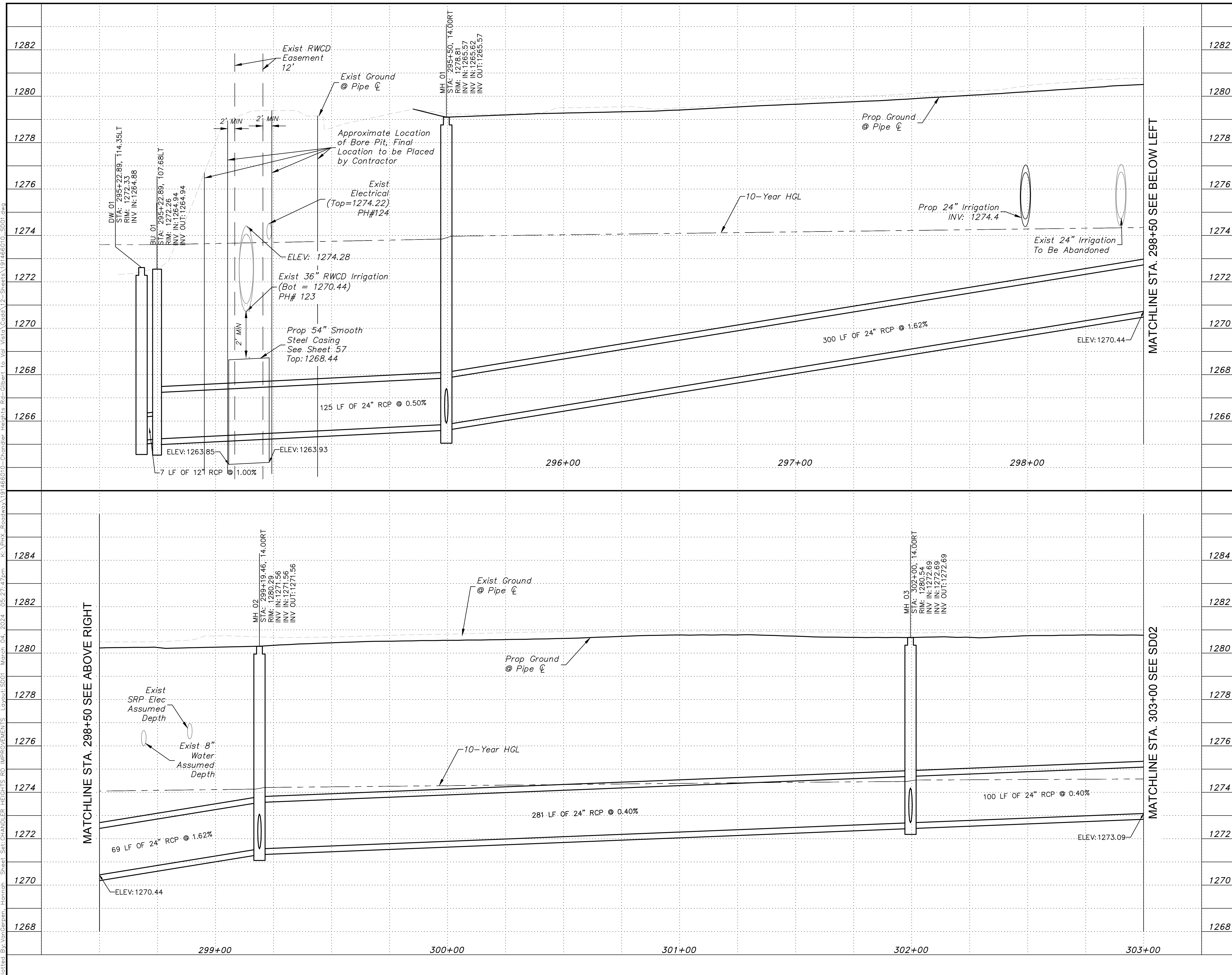
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DRAWN BY:	MEG
CHECKED BY:	NLM
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 WALL STRUCTURAL DETAILS 2

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah, Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS, Layout: SD01, March 04, 2024, 05:27:47pm, K:\PHX\_Roadwork\191466010-Chandler Heights Rd-Gilbert to Val Vista Cor'd\12-Sheets\191466010\_SD01.dwg



**SHEET NOTES**

- See DWG PL17-PL20 for Storm Drain Plan.
- See DWG CP01 for Connector Pipe Profiles.

**NOTE: WHERE CROSSING EXISTING RWCD FACILITIES, PROPOSED UTILITIES SHALL EITHER BE INSTALLED AFTER THE EXISTING RWCD FACILITY IS TAKEN OUT OF SERVICE OR THE UTILITY INSTALLATION SHALL BE BY HORIZONTAL EARTH AUGER BORE.**

GRAPHIC SCALE IN FEET

HORIZONTAL: 0 10 20 40

VERTICAL: 0 1 2 4

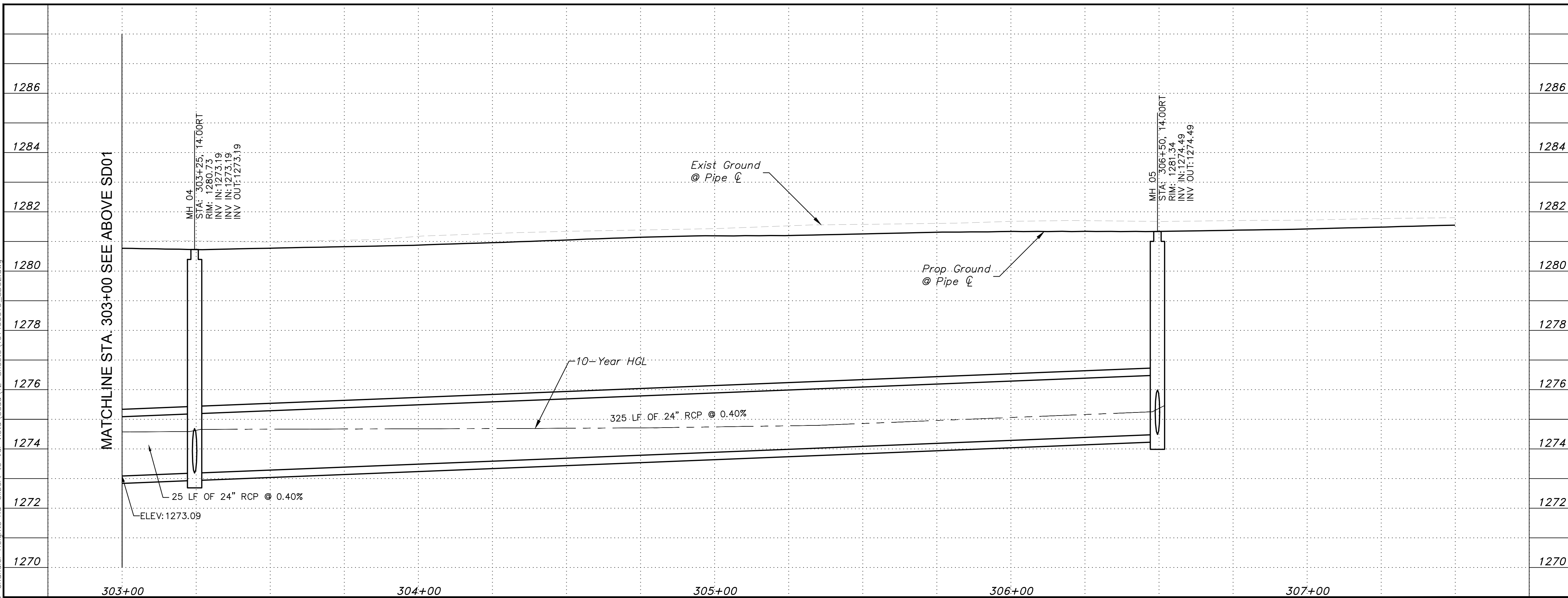
Call at least two full working days before you begin excavation.

Dial 8-1-1 or 1-800-STAKE-IT (783-8349) in Maricopa County (920) 253-1100

<p>© 2018 KIMLEY-HORN AND ASSOCIATES, INC. 7740 N. 16th STREET, SUITE 300, PHOENIX, AZ 85020 PHONE: 602-944-5500 FAX: 602-944-7423 WWW.KIMLEY-HORN.COM</p>	<p>Zachary R. Schmidt Professional Engineer No. 50959 ZACHARY R. SCHMIDT ARIZONA (USA) 03/2024</p>
<p>SCALE (H): 1"=20'</p> <p>SCALE (V): 1"=2'</p> <p>DESIGNED BY: SRJ</p> <p>DRAWN BY: KRW</p> <p>CHECKED BY: ZRS</p> <p>DATE: 03/2024</p>	<p>DATE: _____</p> <p>REVISIONS</p> <p>BY _____</p>
<p><b>CITY OF CHANDLER</b></p> <p><b>CHANDLER HEIGHTS RD IMPROVEMENTS</b></p> <p><b>STORM DRAIN PROFILE</b></p> <p><b>STA 294+00 TO STA 303+00</b></p>	
<p>CITY PROJECT NO. ST1804.401</p> <p>FEDERAL NO. CHN-0(244)D</p> <p>ADOT NO. T0203 01C</p>	
<p>SHEET DWG SD01</p> <p>54 OF 135</p>	

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerspen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: SD01 - March 04, 2024 - 05:28:10pm - K:\PHX\_Roadway\191466010-Chandler Heights Rd-Improvements\191466010-SD02.dwg



SHEET NOTES	
1286	1. See DWG PL17-PL20 for Storm Drain Plan.
1284	2. See DWG CP01 for Connector Pipe Profiles.
1282	
1280	
1278	
1276	
1274	
1272	
1270	

NO.	REVISIONS	DATE	BY

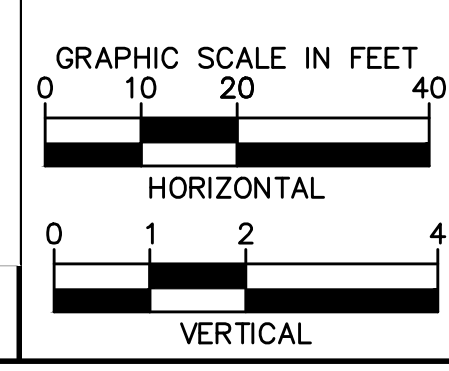
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SCALE (H): 1"=20'  
 SCALE (V): 1"=2'  
 DESIGNED BY: SRJ  
 DRAWN BY: KRW  
 CHECKED BY: ZRS  
 DATE: 03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 STORM DRAIN PROFILE  
 STA 303+00 TO STA 307+50

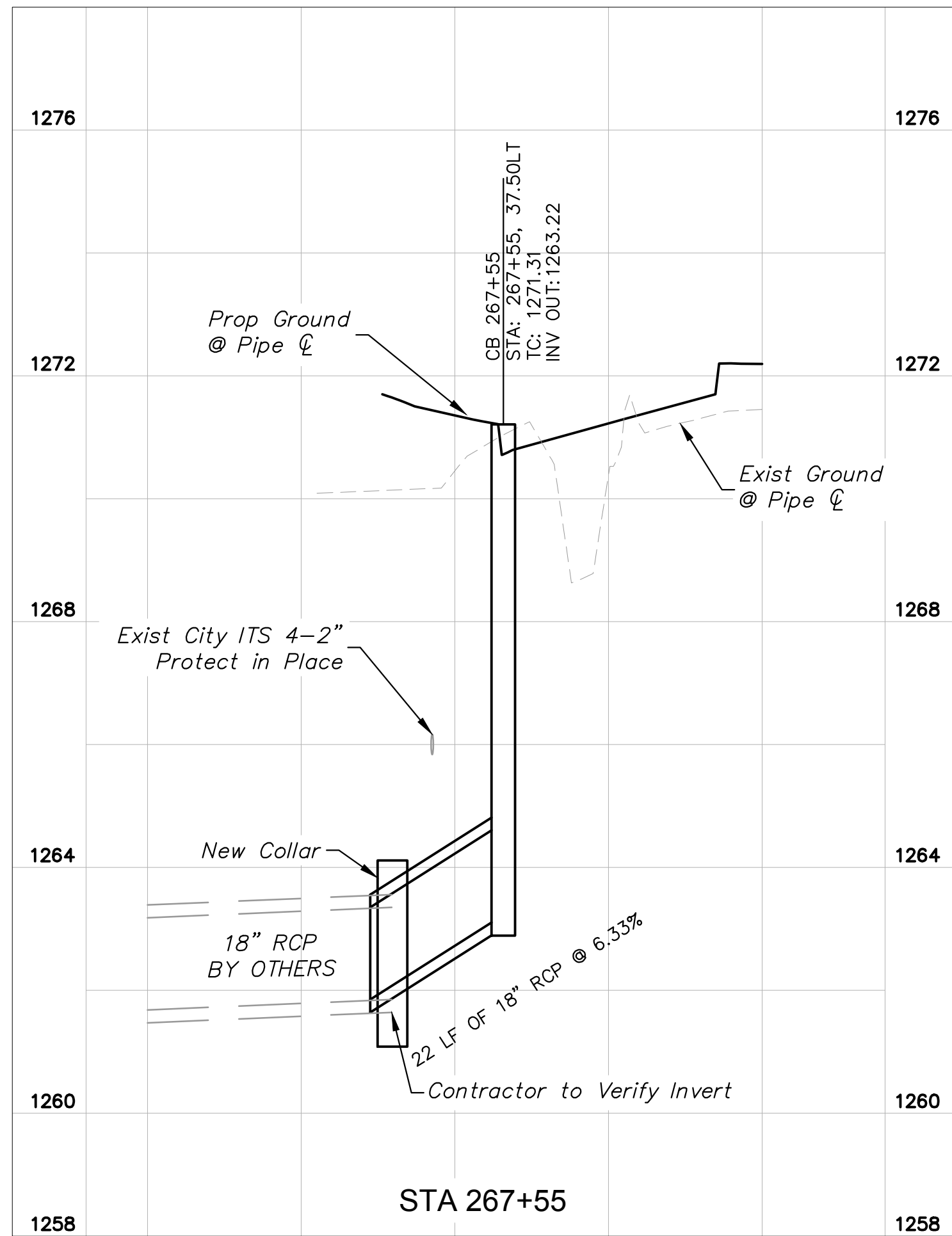
CITY PROJECT NO. ST1804.401  
 FEDERAL NO. CHN-0(244)D  
 ADOT NO. T0203 01C  
 SHEET DWG SD02  
 55 OF 135



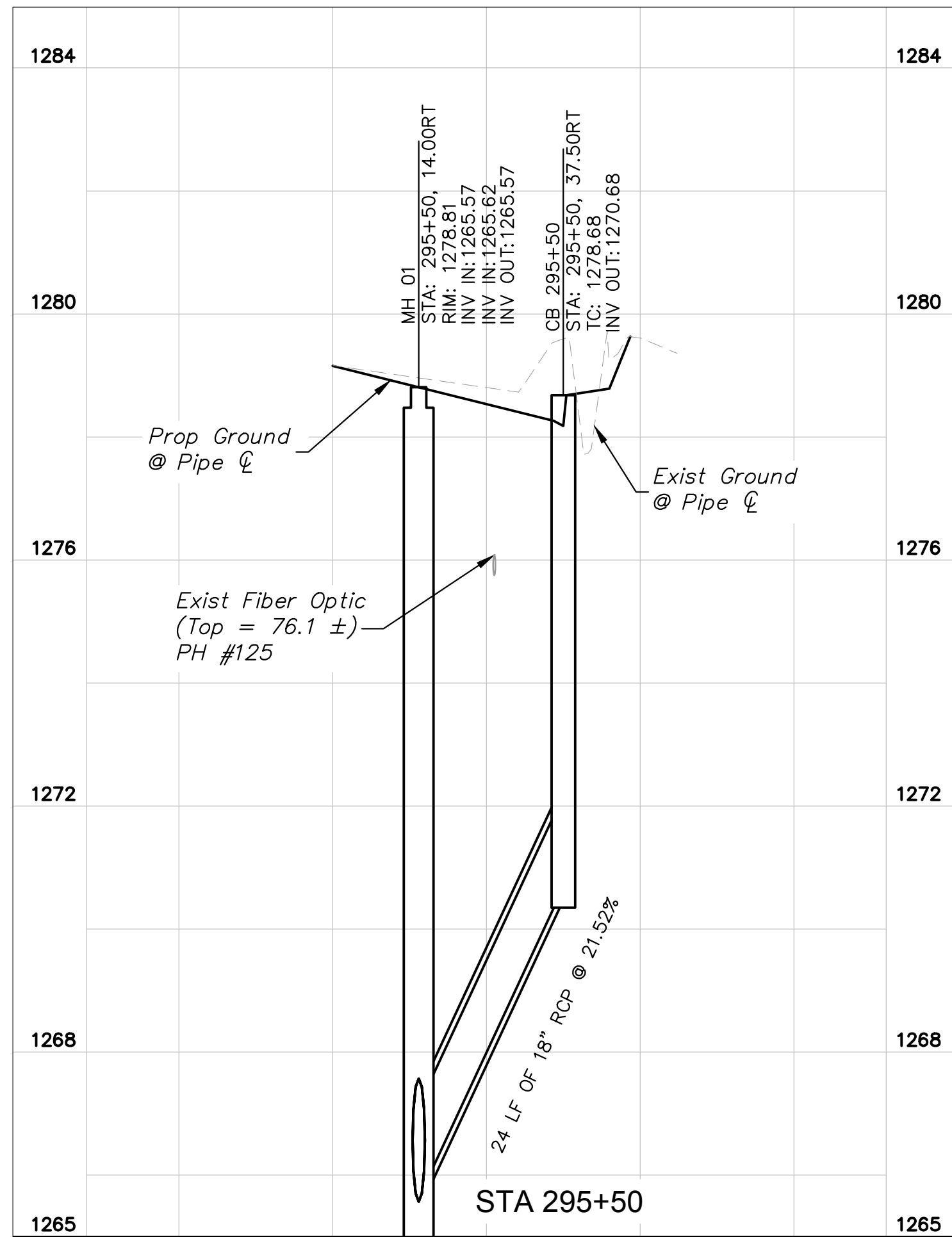
C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS



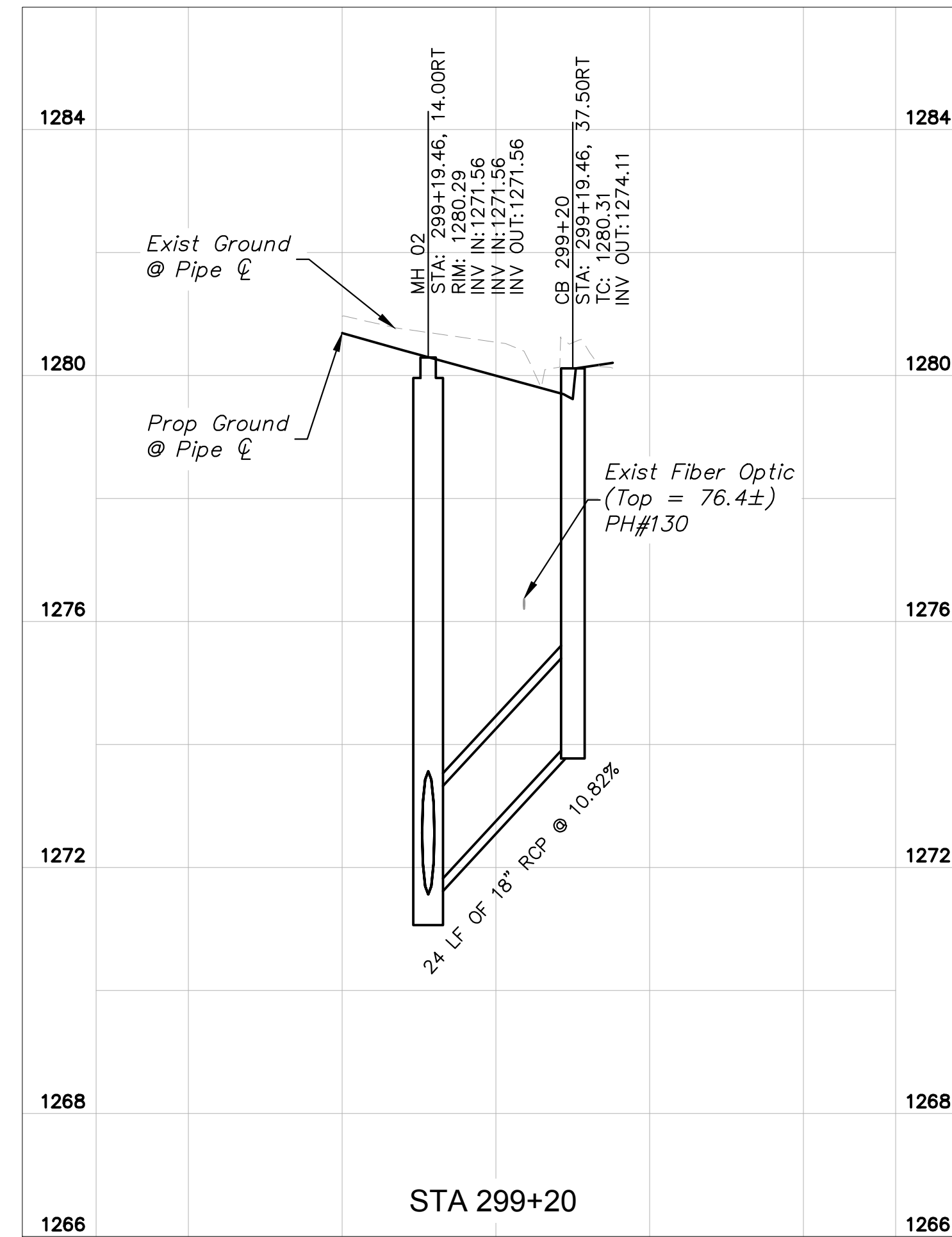
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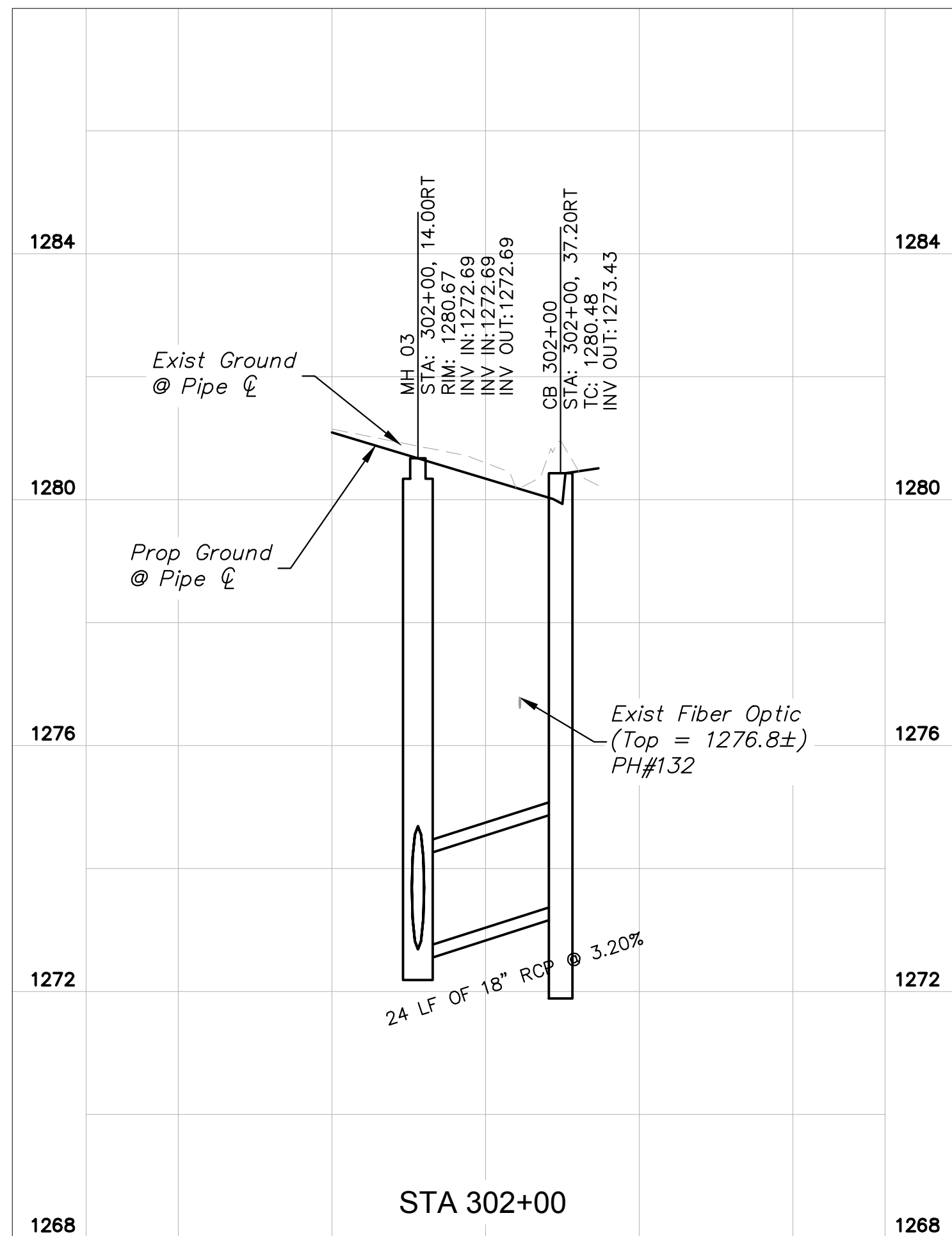
STA 267+55



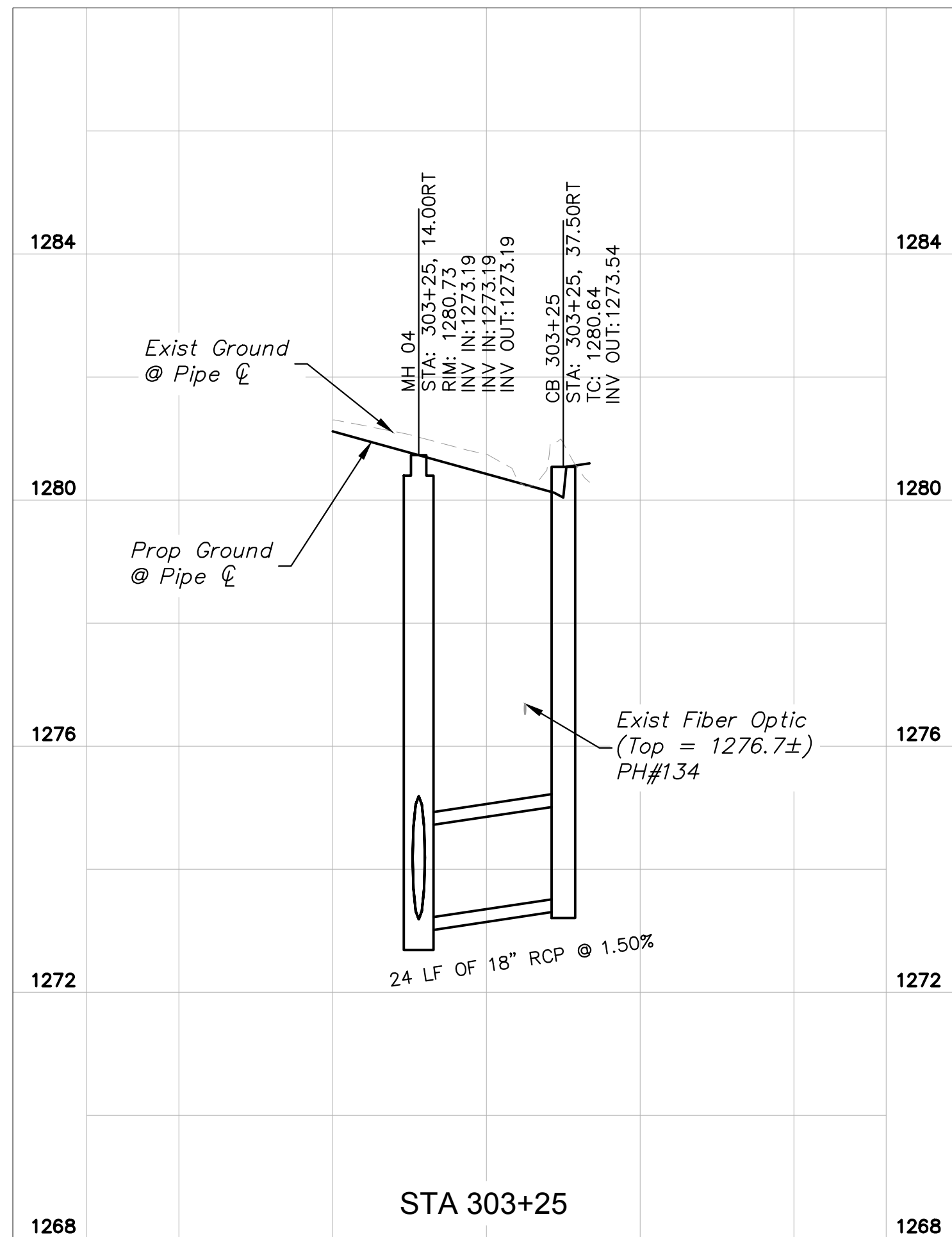
STA 295+50



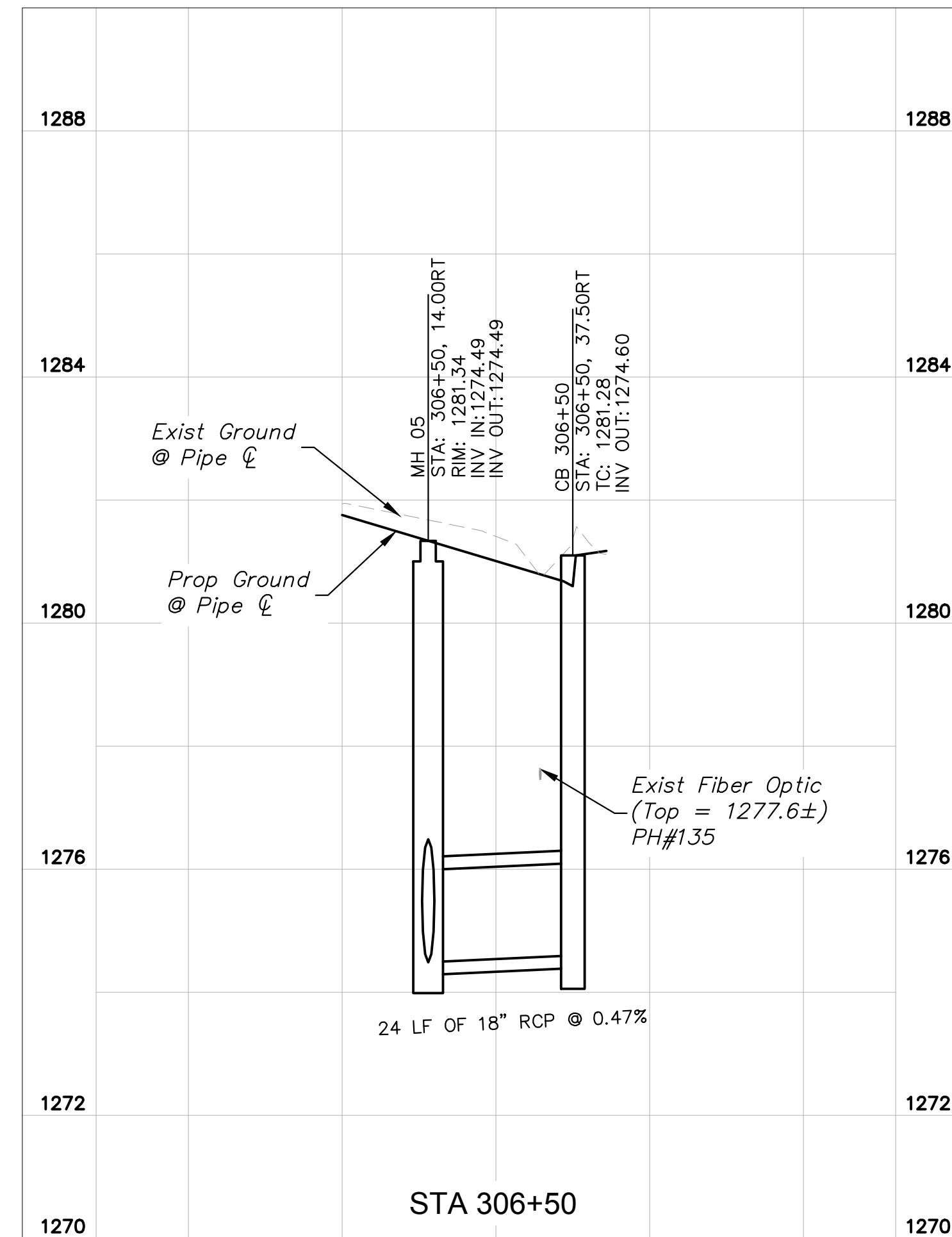
STA 299+20



STA 302+00

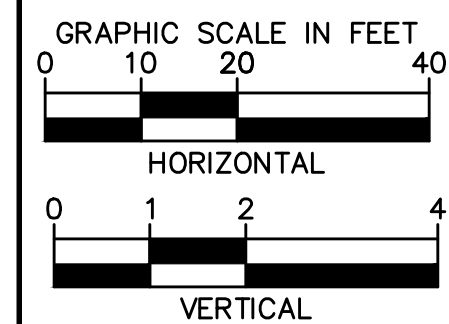


STA 303+25



STA 306+50

- SHEET NOTES**
- See DWG PR11 - PR23 for Roadway Plan & Profile and Storm Drain Plan
  - See DWG SD01 - SD02 for Storm Drain Mainline Profile.



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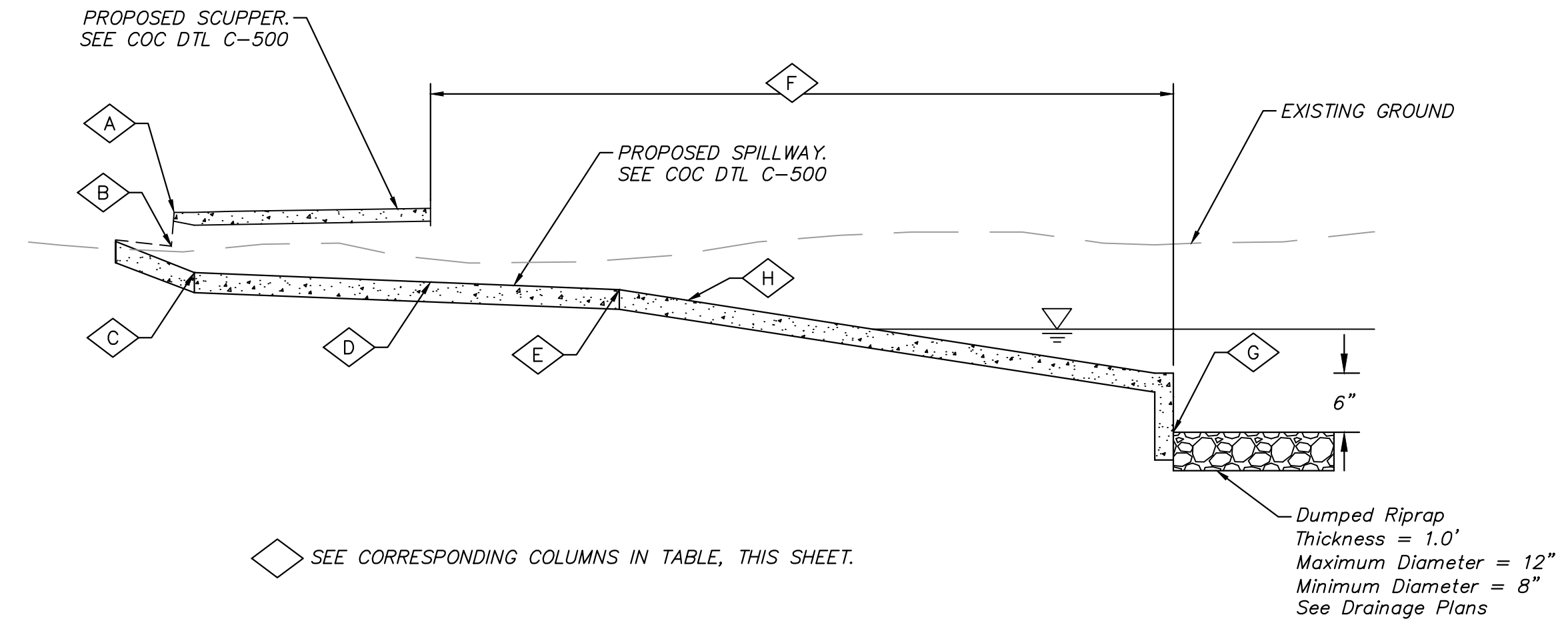
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 SCALE (V): 1"=2'  
 DESIGNED BY: SRJ  
 DRAWN BY: KRW  
 CHECKED BY: ZRS  
 DATE: 03/2024

**CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 CONNECTOR PIPE PROFILES**

CITY PROJECT NO. ST1804.401  
 FEDERAL NO. CHN-0(244)D  
 ADOT NO. T0203 01C  
 SHEET DWG CP01  
 56 OF 135

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: DR01 March 04, 2024 05:29:25pm K:\PHX\_Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista-Cadd\12-Sheets\191466010\_DR01.dwg

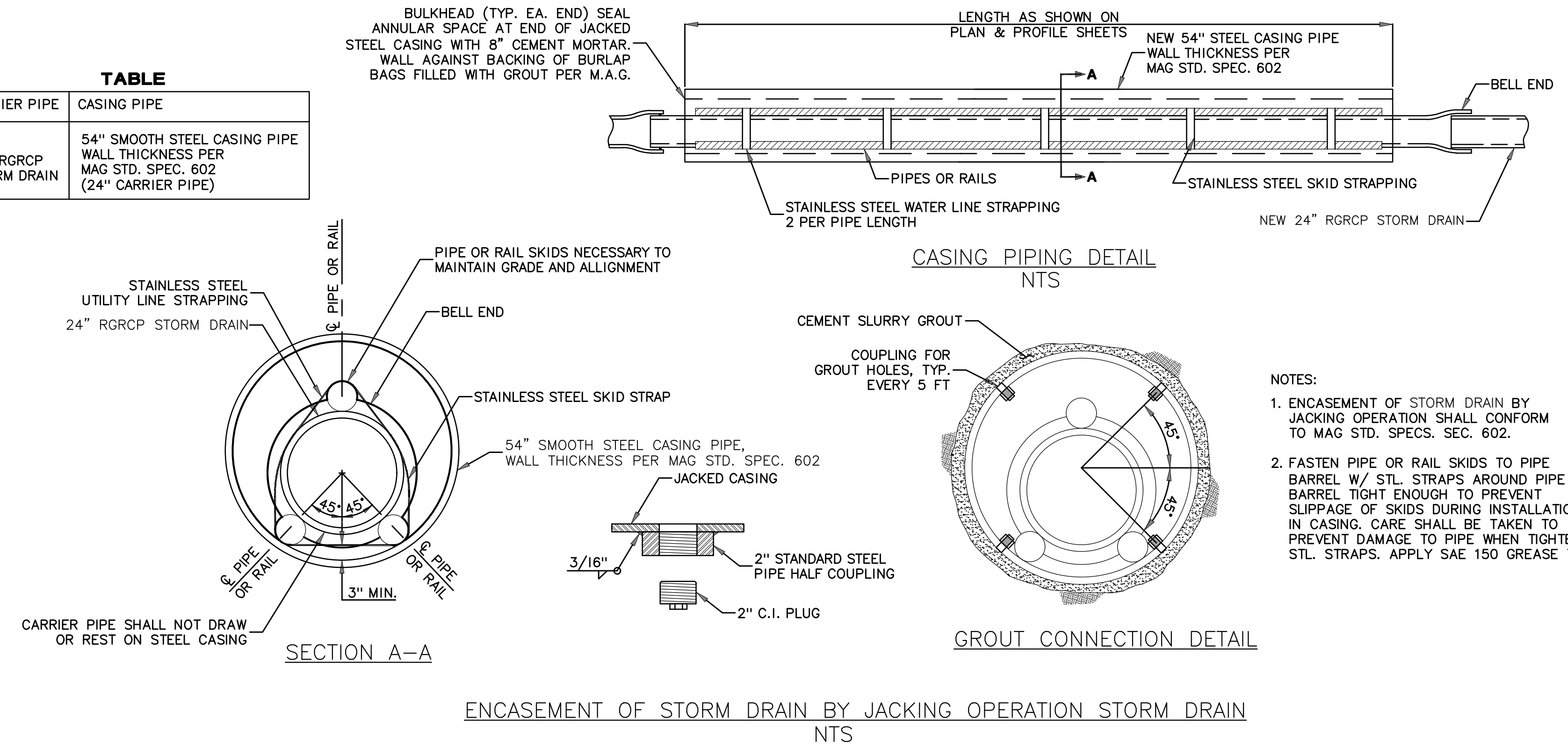


**SCUPPER/SPILLWAY PROFILE**  
NTS

SCUPPER STATION	NO. OF CURB OPENINGS	T/C ELEV	GUTTER ELEV	SCUPPER LIP ELEV	SPILLWAY START STA/OFF	SPILLWAY START ELEV	VERTICAL/HORIZONTAL SPILLWAY BREAK STA/OFF	VERTICAL/HORIZONTAL SPILLWAY BREAK ELEV	TOTAL SPILLWAY LENGTH	SPILLWAY END STA/OFF	BASIN BOTTOM ELEV
		A	B	C	D	D	E	E	F	G	G
314+11.42, 37.50' RT	2 - 4'	1282.85	1282.35	1282.02	314+11.42, 46.00' RT	1281.86	314+11.42, 55.00' RT	1281.68	37	314+11.42, 83.00' RT	1278.4

**TABLE**

CARRIER PIPE	CASING PIPE
24" RGRCP STORM DRAIN	54" SMOOTH STEEL CASING PIPE WALL THICKNESS PER MAG STD. SPEC. 602 (24" CARRIER PIPE)



- NOTES:**
- ENCASEMENT OF STORM DRAIN BY JACKING OPERATION SHALL CONFORM TO MAG STD. SPECS. SEC. 602.
  - FASTEN PIPE OR RAIL SKIDS TO PIPE BARREL W/ STL STRAPS AROUND PIPE BARREL TIGHT ENOUGH TO PREVENT SLIPPAGE OF SKIDS DURING INSTALLATION IN CASING. CARE SHALL BE TAKEN TO PREVENT DAMAGE TO PIPE WHEN TIGHTENING STL STRAPS. APPLY SAE 150 GREASE TO SKIDS.

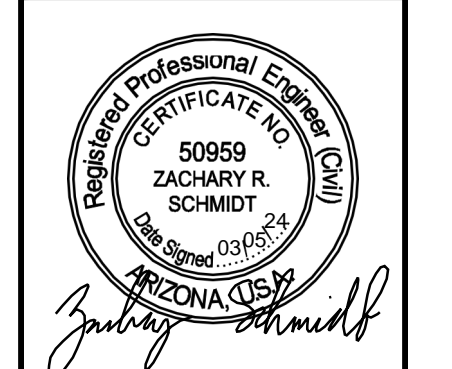
**SHEET NOTES**

- See DWG PL01-PL24 for Roadway Plan & Profile.
- See DWG SD01-SD02 for Storm Drain Profile.
- See DWG CP01 for Connector Pipe Profiles.

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SCALE (H):	NTS	NTS
SCALE (V):	NTS	NTS
DESIGNED BY:	SRJ	SRJ
DRAWN BY:	KRW	KRW
CHECKED BY:	ZRS	ZRS
DATE:	03/2024	03/2024

**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**DRAINAGE DETAILS**

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(24)D
ADOT NO.	T0203.01C
SHEET DWG	DR01
57 OF 135	

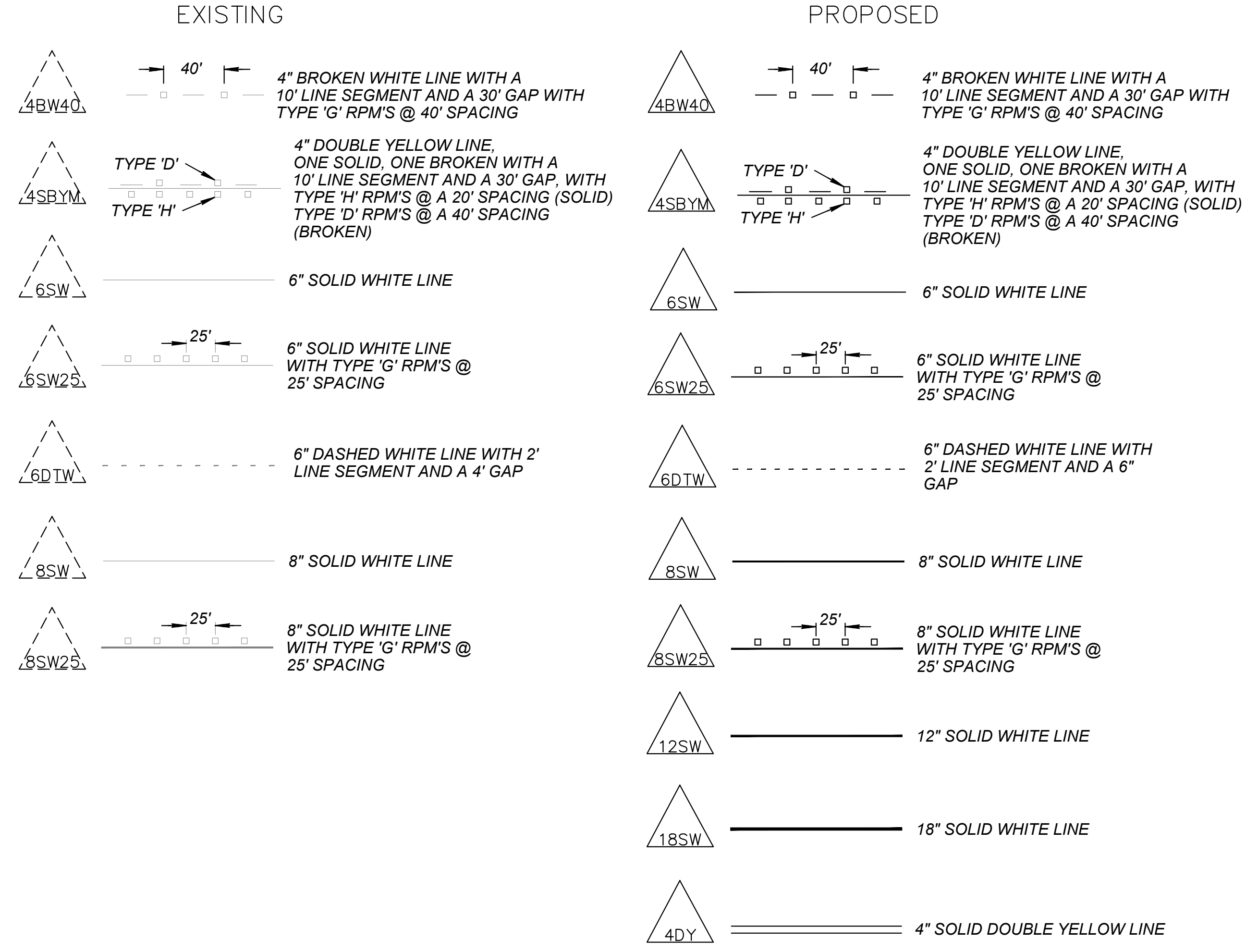


C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS



**SIGNING AND MARKING GENERAL NOTES**

1. THE CITY TRANSPORTATION ENGINEER'S OFFICE SHALL BE NOTIFIED 5 BUSINESS DAYS PRIOR TO STARTING ANY SIGNING OR STRIPING WORK AT (480) 782-3454.
2. ALL PAVEMENT MARKINGS, SIGN MATERIALS AND CONSTRUCTION SHALL CONFORM TO ARIZONA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS AND SPECIFICATIONS UNLESS OTHERWISE NOTED.
3. SIGN LOCATIONS AND OFFSETS MAY BE ADJUSTED BY THE CITY TRANSPORTATION ENGINEER TO IMPROVE VISIBILITY.
4. ALL MEDIAN NOSES SHALL BE PAINTED YELLOW WITH REFLECTIVE GLASS BEADS PER C-617.
5. ALL RAISED PAVEMENT REFLECTORS SHALL BE INSTALLED WITH CRAFCO PAVEMENT REFLECTOR ADHESIVE, OR EQUAL.
6. ALL TRAFFIC CONTROL SIGNS, EXCEPT STOP SIGNS, SHALL BE ATTACHED TO STREET LIGHT POLES IF THE POLE IS WITHIN 25 FT. OF SIGN LOCATION AS SHOWN ON THE SIGNING AND STRIPING PLANS.
7. ALL CROSSWALKS, STOP BARS, MINI-SKIPS, TURN ARROWS AND LEFT TURN LANE STRIPING SHALL BE THERMOPLASTIC.
8. ALL TRAFFIC CONTROL SIGNS SHALL BE CONSTRUCTED OF HIGH INTENSITY GRADE SHEETING SCREENED WITH 3-M APPROVED INKS OR EQUIVALENT APPROVED BY THE TRANSPORTATION DIVISION. WARRANTY DOCUMENTS ARE REQUIRED AND SHALL BE SUBMITTED PRIOR TO FINAL JOB ACCEPTANCE.
9. ALL EXISTING SIGNS TEMPORARILY REMOVED BY THE CONTRACTOR SHALL BE SALVAGED FOR REINSTALLATION BY THE CONTRACTOR. ALL EXISTING SIGNS PERMANENTLY REMOVED BY THE CONTRACTOR SHALL BE SALVAGED FOR RETURN TO THE CITY SIGN SHOP.
10. ALL CONFLICTING PAVEMENT MARKINGS WILL BE OBLITERATED BY WATER BLASTING BY THE CONTRACTOR. GRINDING IS NOT PERMITTED.
11. A SEALANT APPROVED BY THE CITY OF CHANDLER STREET DIVISION SHALL BE APPLIED BY THE CONTRACTOR TO ALL AREAS OF PAVEMENT MARKING OBLITERATION. REFER TO THE LIST OF APPROVED PRODUCTS.
12. THE CITY TRANSPORTATION ENGINEER MAY REQUIRE THE CONTRACTOR TO ADJUST SIGNING AND STRIPING AS NECESSARY.
13. ALL CONFLICTING SIGNAGE SHALL BE REMOVED BY THE CONTRACTOR.
14. ALL CITY SIGNS MUST BE RETURNED TO THE CITY SIGN SHOP.



Plotted By: Montsemer, Sarah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: SMO1 March 04, 2024 09:34:04pm K:\PHX\_Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista-Cadd\12-Sheets\191466010\_SMO1.dwg

NO.	REVISIONS	DATE	BY

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SCALE (H):	N/A
SCALE (V):	N/A
DESIGNED BY:	EGK
DRAWN BY:	SJM
CHECKED BY:	LB
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 SIGNING AND MARKING NOTES

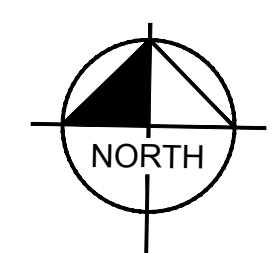
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 FEDERAL NO. CHN-0(244)D  
 ADOT NO. T0203 01C

SHEET DWG  
 SM01



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: Montenegro, Sarah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: SM02 March 04, 2024 09:34:40pm K:\PHK\_Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista-Cadd\12-Sheets\191466010-SM02.dwg



NOTES

- | DESCRIPTION                                                             |
|-------------------------------------------------------------------------|
| 1 PAINT MEDIAN NOSE PER C.O.C. DET. C-617                               |
| 2 THERMOPLASTIC ARROW PER M.U.T.C.D. FIGURE 3B-24 AND C.O.C. DET. C-614 |
| 3 THERMOPLASTIC BIKE SYMBOL AND ARROW PER C.O.C. DET. C-614             |

NO.	REVISIONS	DATE	BY

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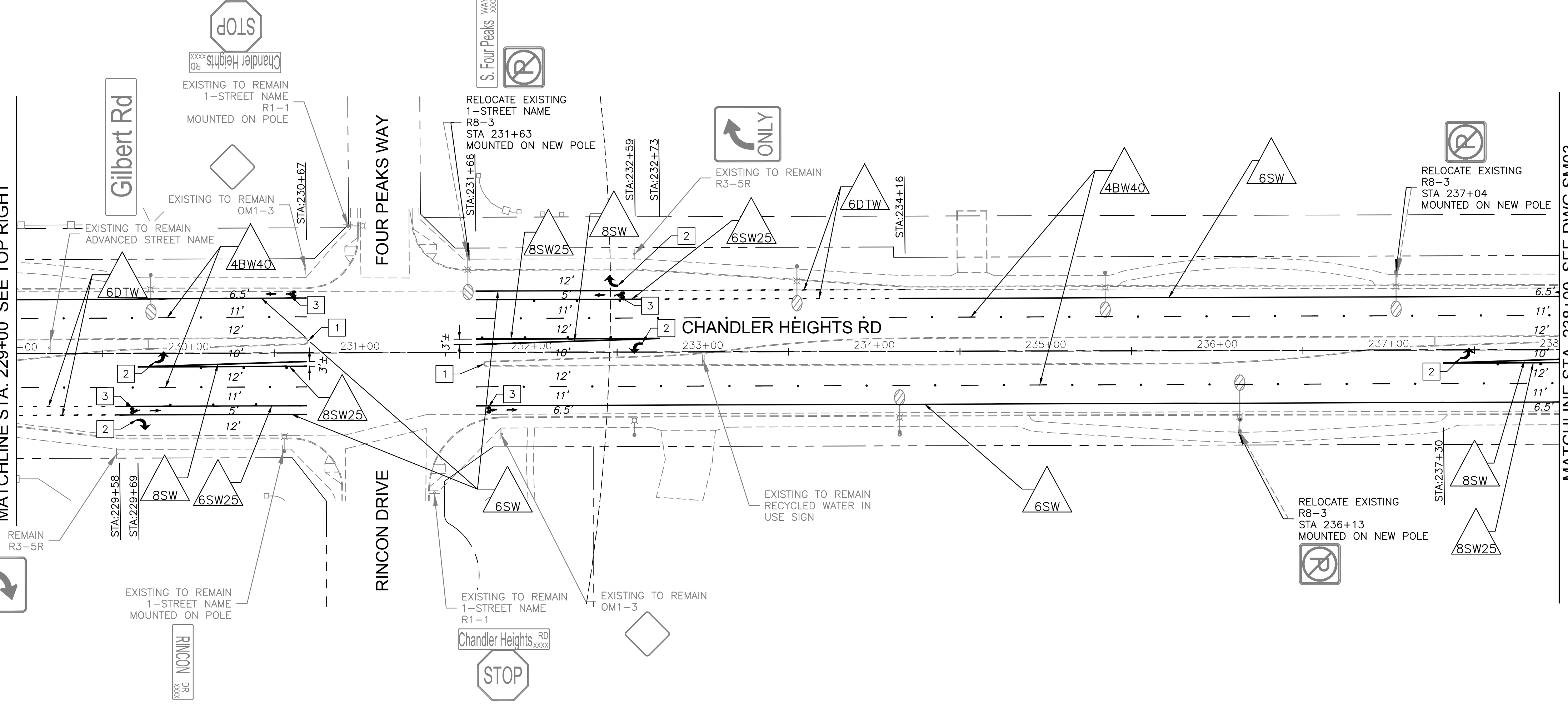
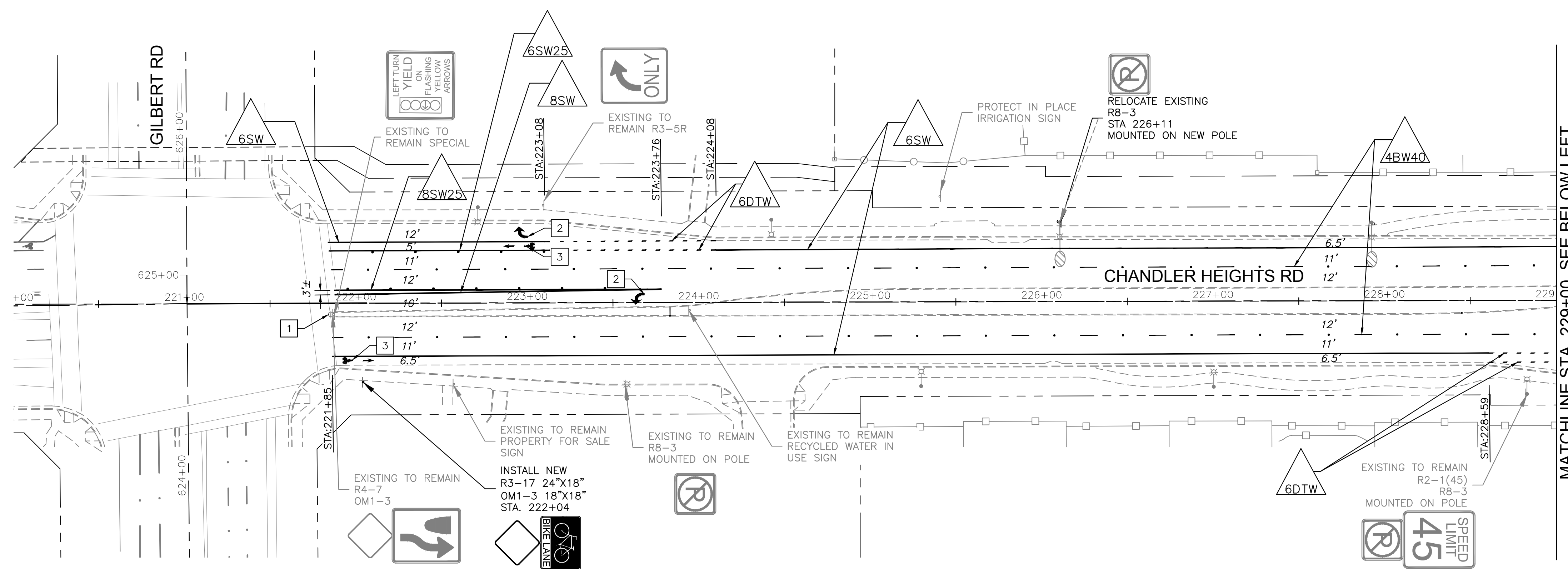
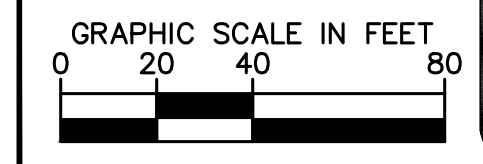


SCALE (H):	1"=40'
SCALE (V):	N/A
DESIGNED BY:	EKG
DRAWN BY:	SJM
CHECKED BY:	LB
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 SIGNING AND MARKING PLAN  
 STA 220+00 TO STA 238+00

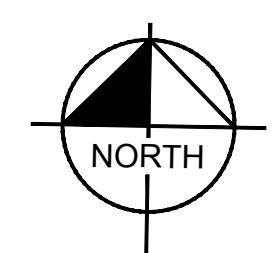
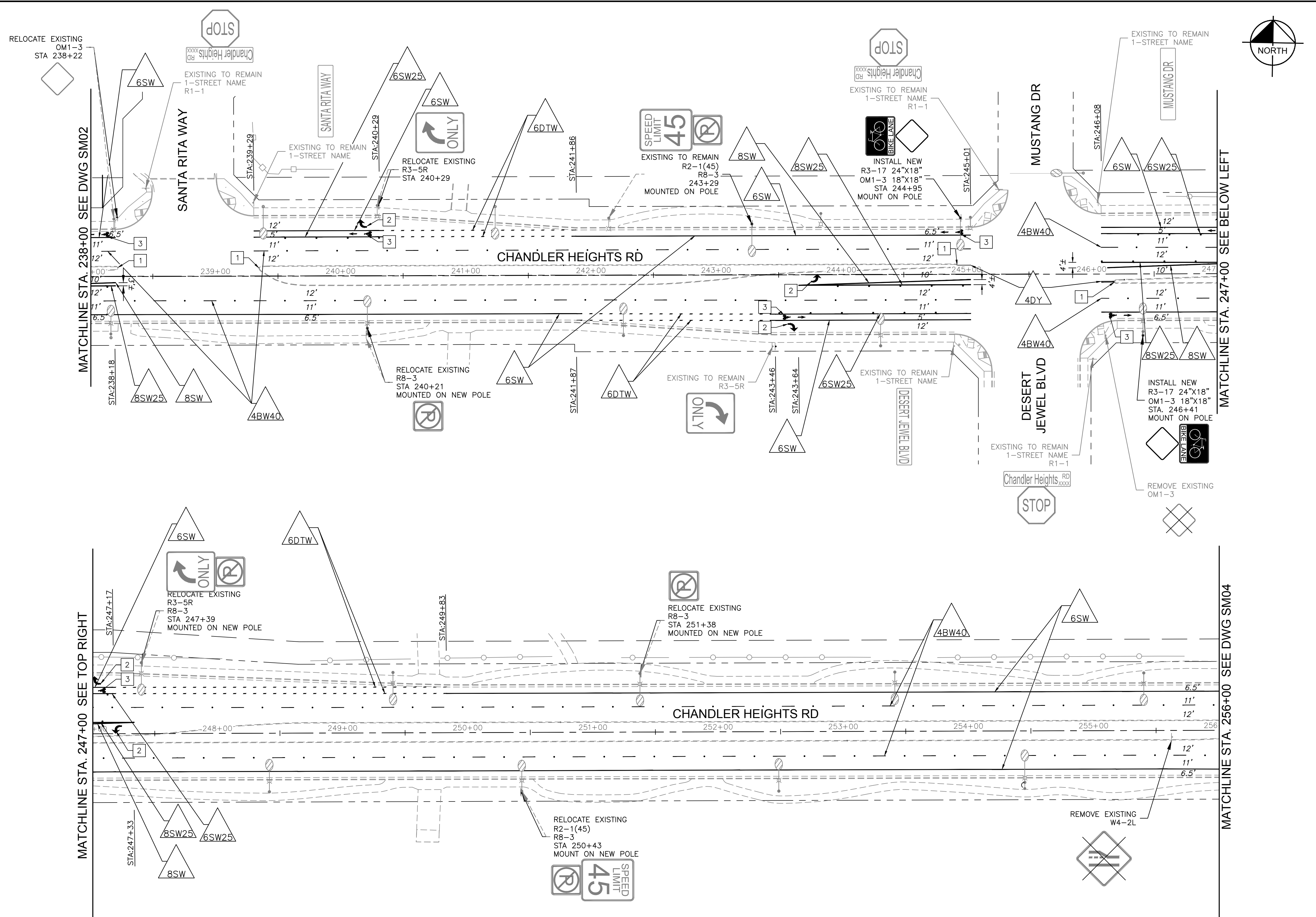
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 FEDERAL NO. CHN-0(244)D  
 ADOT NO. T0203.01C

SHEET DWG SM02  
 60 OF 135



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: Montsemary, Sarah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: SM03 March 04, 2024 09:34:43pm K:\PHK\_Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista-Cadd\12-Sheets\191466010-SM03.dwg



**NOTES**

- | DESCRIPTION                                                             |
|-------------------------------------------------------------------------|
| 1 PAINT MEDIAN NOSE PER C.O.C. DET. C-617                               |
| 2 THERMOPLASTIC ARROW PER M.U.T.C.D. FIGURE 3B-24 AND C.O.C. DET. C-614 |
| 3 THERMOPLASTIC BIKE SYMBOL AND ARROW PER C.O.C. DET. C-614             |

NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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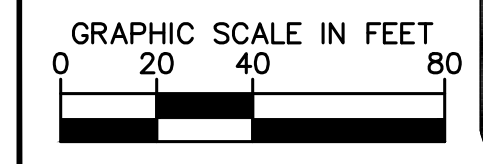


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SCALE (V):	N/A
DESIGNED BY:	EGK
DRAWN BY:	SJM
CHECKED BY:	LB
DATE:	03/2024

**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**SIGNING AND MARKING PLAN**  
**STA 238+00 TO STA 256+00**

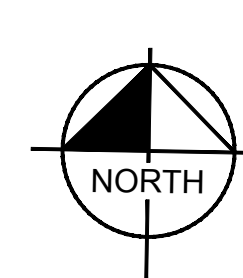
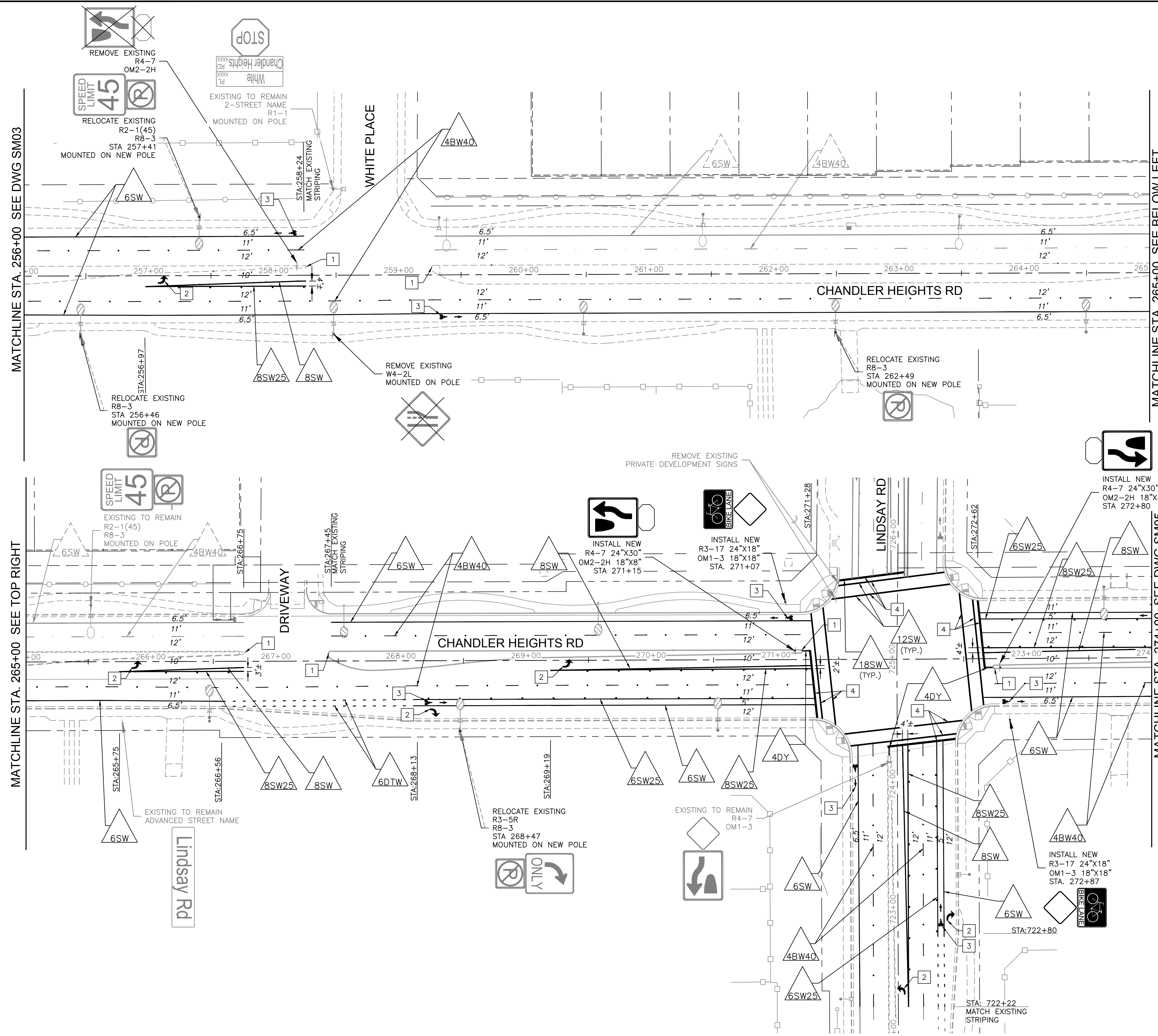
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FEDERAL NO. CHN-0(244)D  
ADOT NO. T0203.01C

SHEET DWG SM03  
61 OF 135



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: Montsemer, Sarah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: SM04 March 04, 2024 09:35:13pm K:\PHX\_Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista-Cadd\12-Sheets\191466010\_SM04.dwg



**NOTES**

- | DESCRIPTION                                                             |
|-------------------------------------------------------------------------|
| 1 PAINT MEDIAN NOSE PER C.O.C. DET. C-617                               |
| 2 THERMOPLASTIC ARROW PER M.U.T.C.D. FIGURE 3B-24 AND C.O.C. DET. C-614 |
| 3 THERMOPLASTIC BIKE SYMBOL AND ARROW PER C.O.C. DET. C-614             |
| 4 INSTALL CROSSWALK AND STOP BAR STRIPING PER C.O.C. DET. C-623         |

NO.	REVISIONS	DATE	BY

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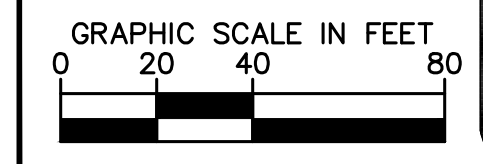


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SCALE (V):	N/A
DESIGNED BY:	EKG
DRAWN BY:	SJM
CHECKED BY:	LB
DATE:	03/2024

**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**SIGNING AND MARKING PLAN**  
**STA 256+00 TO STA 274+00**

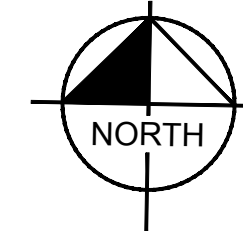
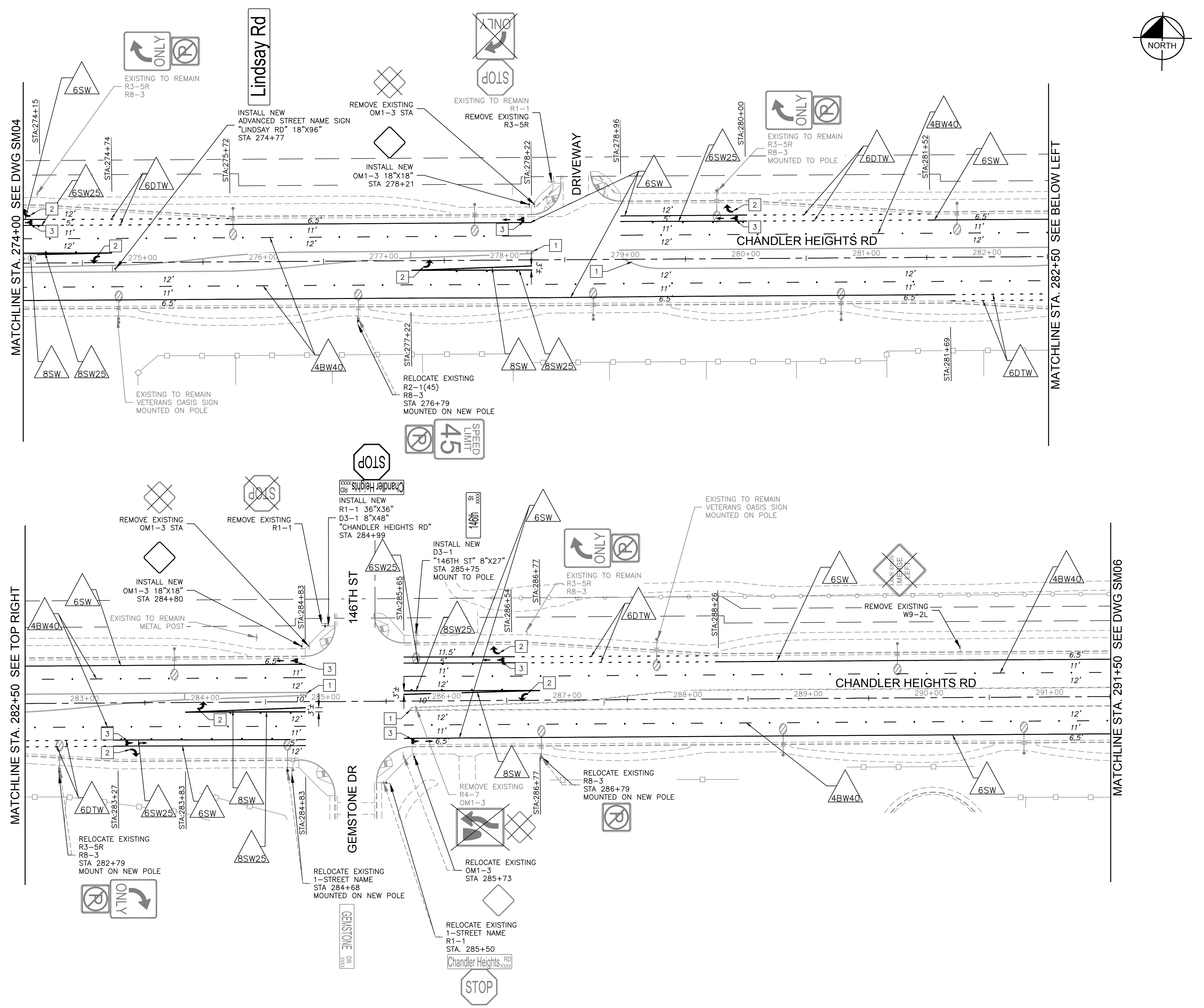
CITY PROJECT NO. ST1804.401  
 FEDERAL NO. CHN-0(244)D  
 ADOT NO. T0203 01C

SHEET DWG SM04  
 62 OF 135



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: Montsemer, Sarah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: SM05 March 04, 2024 09:35:45pm K:\PHK\_Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista-Cadd\12-Sheets\191466010-SM05.dwg



NOTES

- | DESCRIPTION                                                             |
|-------------------------------------------------------------------------|
| 1 PAINT MEDIAN NOSE PER C.O.C. DET. C-617                               |
| 2 THERMOPLASTIC ARROW PER M.U.T.C.D. FIGURE 3B-24 AND C.O.C. DET. C-614 |
| 3 THERMOPLASTIC BIKE SYMBOL AND ARROW PER C.O.C. DET. C-614             |

NO.	REVISIONS	DATE	BY

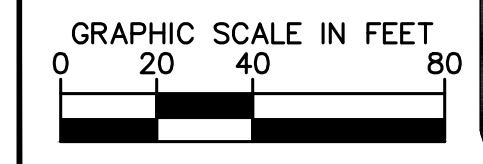
**Kimley»Horn**  
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 PHONE: 602-944-5500 FAX: 602-944-7423  
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SCALE (H):	1"=40'
SCALE (V):	N/A
DESIGNED BY:	EKG
DRAWN BY:	SJM
CHECKED BY:	LB
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 SIGNING AND MARKING PLAN  
 STA 274+00 TO STA 291+50

CITY PROJECT NO.	ST 1804 401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203 01C
SHEET DWG	SM05
63 OF 135	



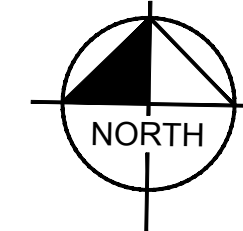
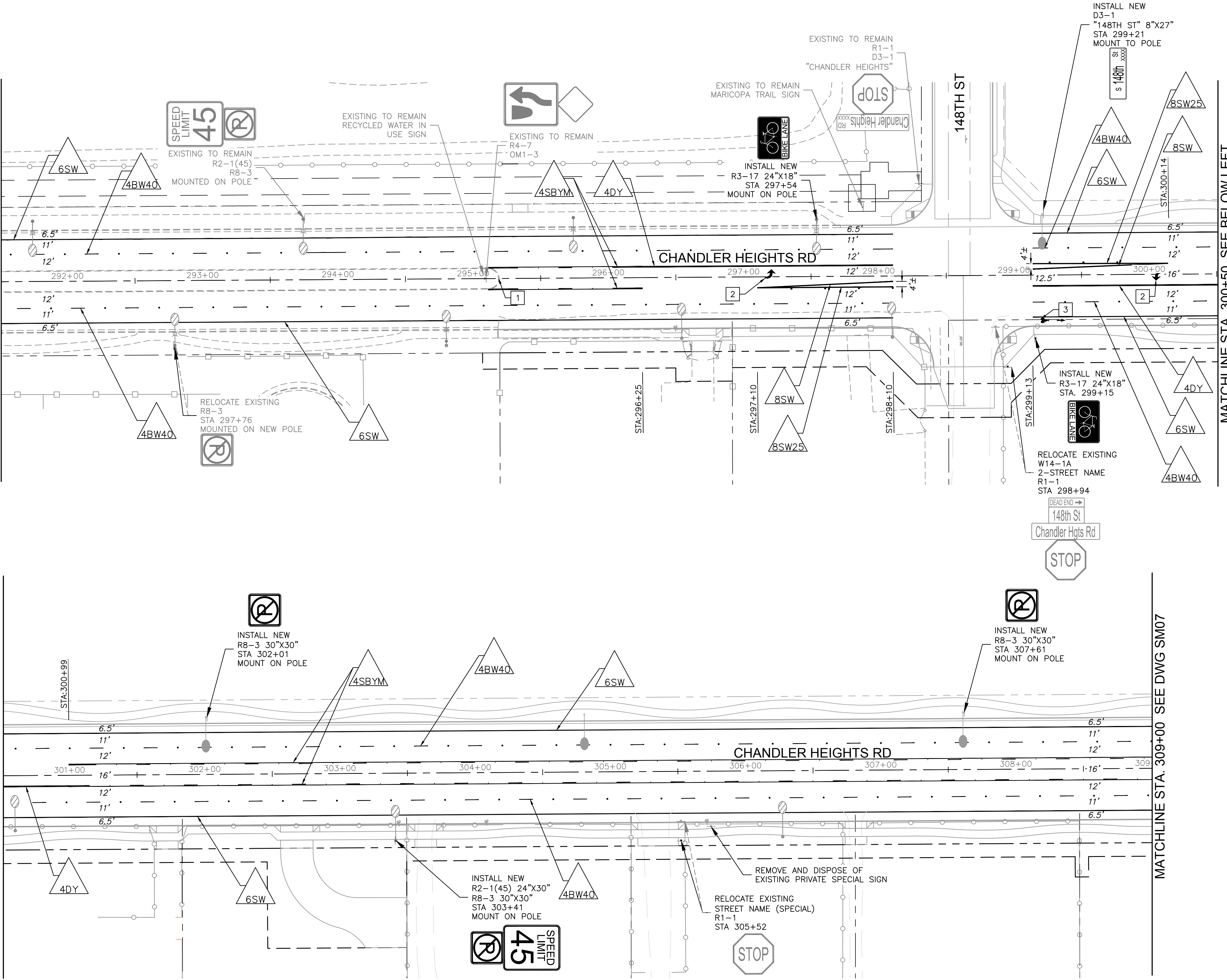
C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS



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MATCHLINE STA. 291+50 SEE DWG SM05

MATCHLINE STA. 300+50 SEE TOP RIGHT



MATCHLINE STA. 300+50 SEE BELOW LEFT

MATCHLINE STA. 309+00 SEE DWG SM07

NOTES

- | No. | DESCRIPTION                                                           |
|-----|-----------------------------------------------------------------------|
| 1   | PAINT MEDIAN NOSE PER C.O.C. DET. C-617                               |
| 2   | THERMOPLASTIC ARROW PER M.U.T.C.D. FIGURE 3B-24 AND C.O.C. DET. C-614 |
| 3   | THERMOPLASTIC BIKE SYMBOL AND ARROW PER C.O.C. DET. C-614             |

No.	REVISIONS	DATE	BY

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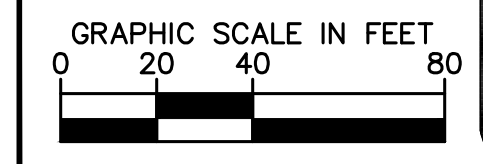


SCALE (H):	1"=40'
SCALE (V):	N/A
DESIGNED BY:	EKG
DRAWN BY:	SJM
CHECKED BY:	LB
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 SIGNING AND MARKING PLAN  
 STA 291+50 TO STA 309+00

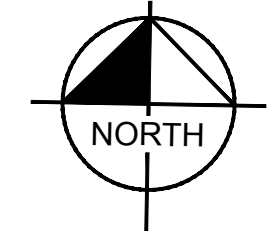
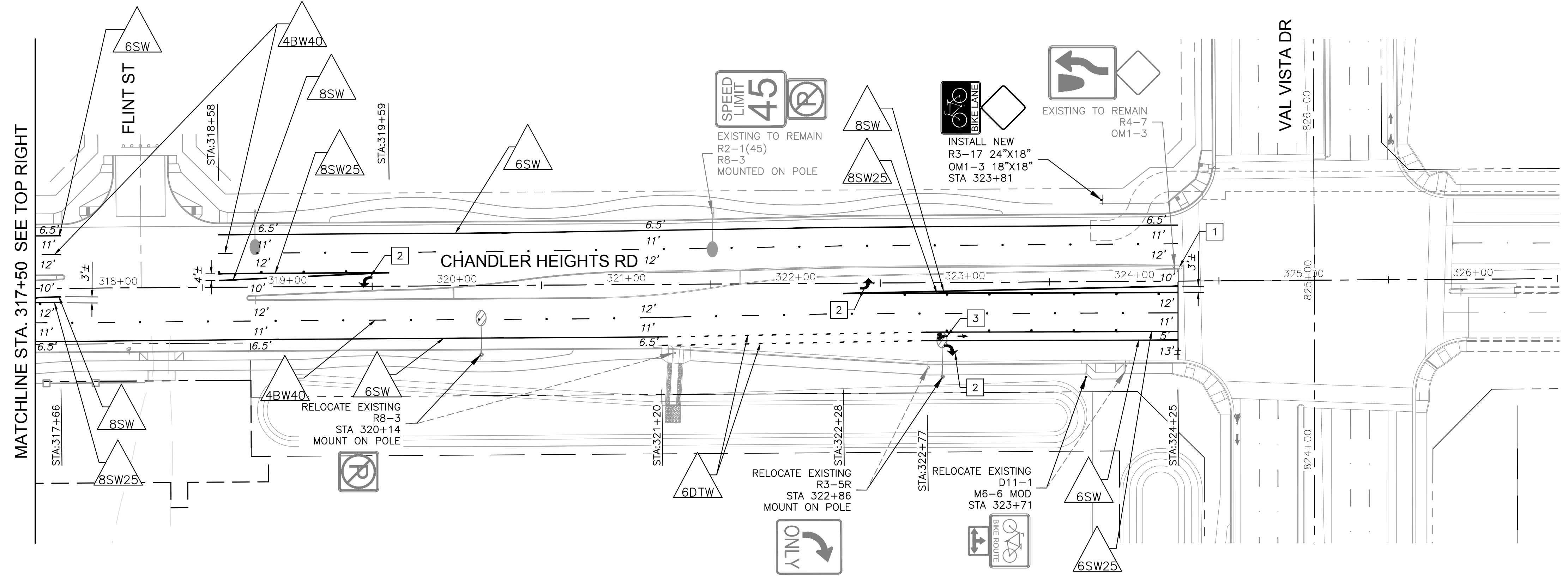
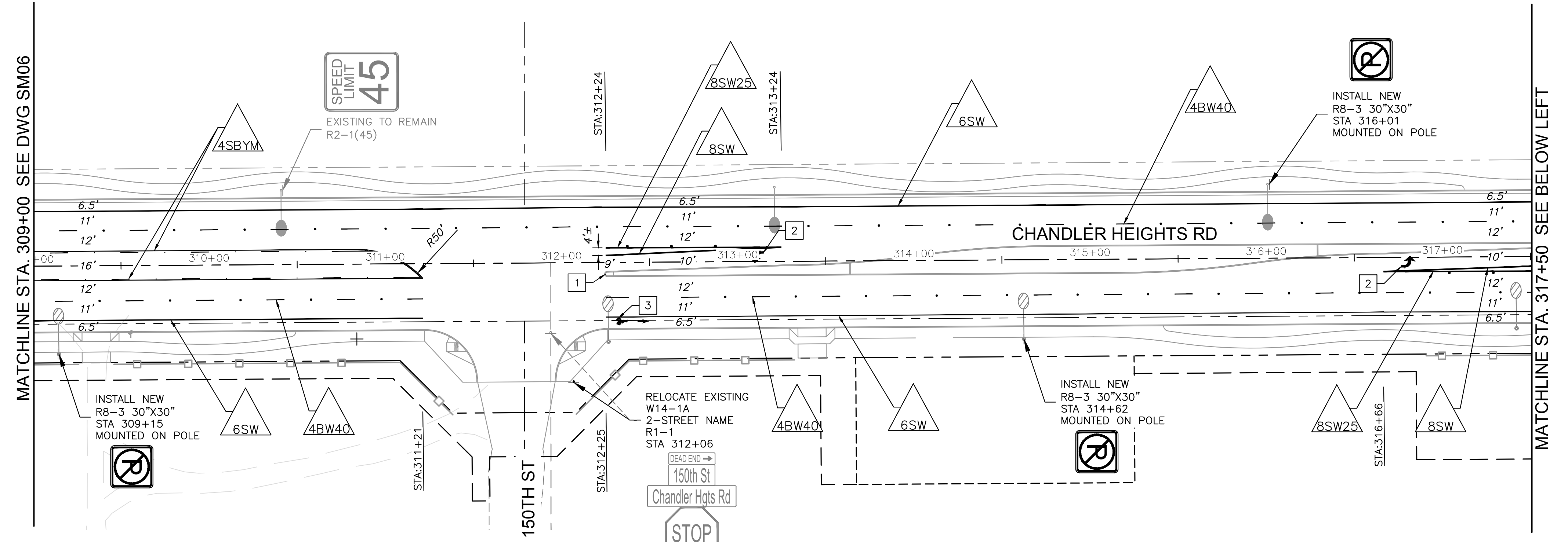
CITY PROJECT NO. ST1804.401  
 FEDERAL NO. CHN-0(244)D  
 ADOT NO. T0203 01C

SHEET DWG SM06  
 64 OF 135



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: Montsemer, Sarah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: SM07 March 04, 2024 09:35:49pm K:\PHK\_Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista-Cad\12-Sheets\191466010\_SM07.dwg



**NOTES**

- | DESCRIPTION                                                             | BY |
|-------------------------------------------------------------------------|----|
| 1 PAINT MEDIAN NOSE PER C.O.C. DET. C-617                               |    |
| 2 THERMOPLASTIC ARROW PER M.U.T.C.D. FIGURE 3B-24 AND C.O.C. DET. C-614 |    |
| 3 THERMOPLASTIC BIKE SYMBOL AND ARROW PER C.O.C. DET. C-614             |    |

No.	REVISIONS	DATE

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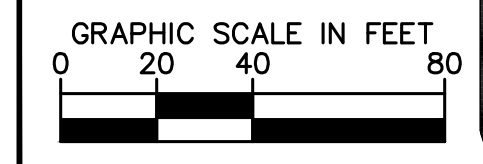


SCALE (H): 1"=40'  
 SCALE (V): N/A  
 DESIGNED BY: ECK  
 DRAWN BY: SUM  
 CHECKED BY: LB  
 DATE: 03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 SIGNING AND MARKING PLAN  
 STA 309+00 TO STA 326+50

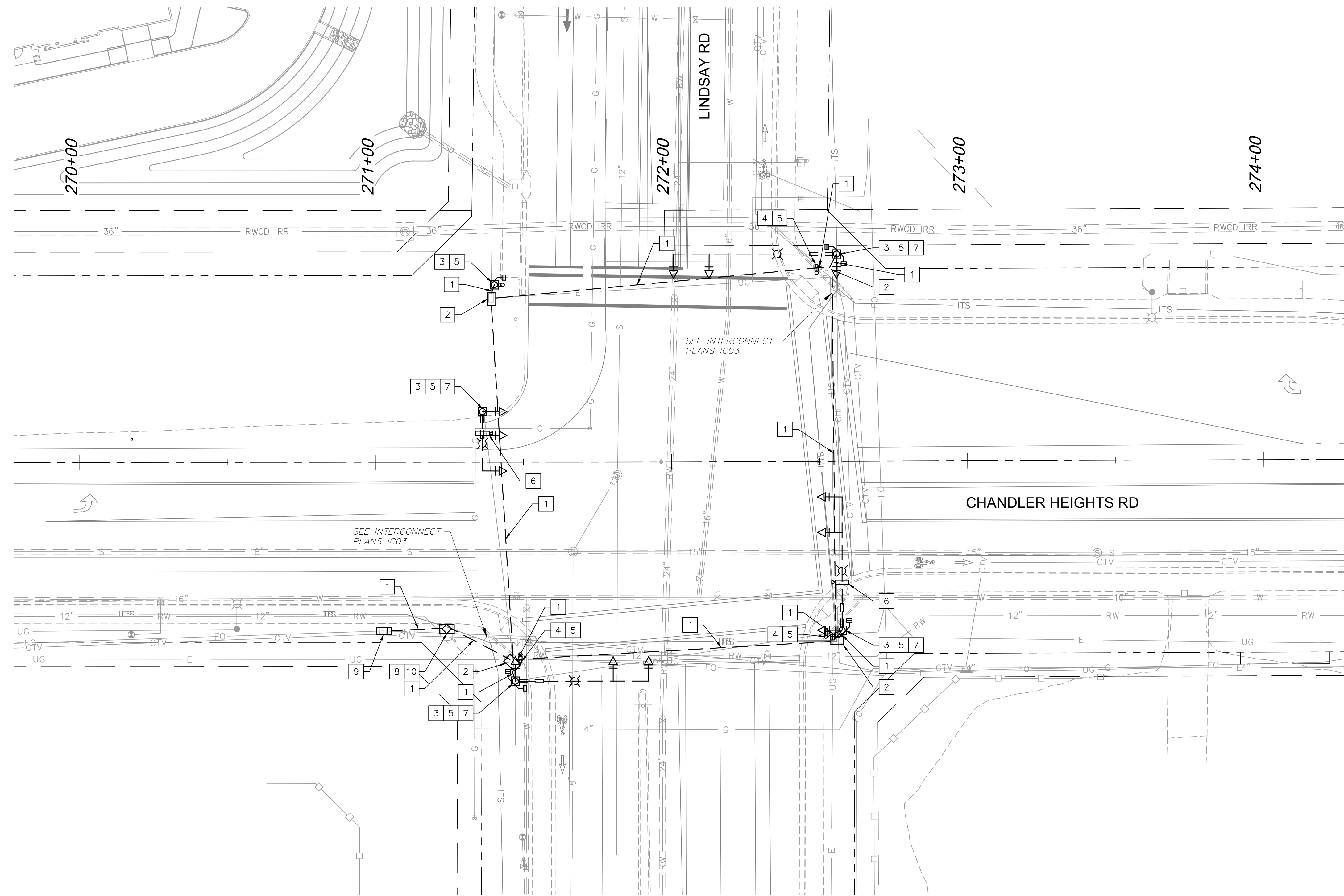
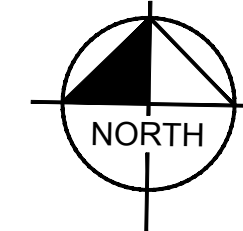
CITY PROJECT NO. ST1804.401  
 FEDERAL NO. CHN-0(244)D  
 ADOT NO. T0203 01C

SHEET DWG SM07  
 65 OF 135



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: Montsemer, Sarah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: TSD1 March 04, 2024 07:08:43pm K:\PHX\_Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista-Cadd\12-Sheets\191466010-TSD1.dwg



**REMOVAL NOTES**

- | DESCRIPTION                                                                                                                  | DATE | BY |
|------------------------------------------------------------------------------------------------------------------------------|------|----|
| 1 Remove and Dispose of Existing Conductors. Abandon Existing Conduit In Place.                                              |      |    |
| 2 Remove and Dispose of Pull Box. Remove and Dispose of Existing Conduit Elbows.                                             |      |    |
| 3 Remove And Salvage Existing Signal Poles, Luminares, Mast Arms, Signal Heads, Mounting Assemblies, Push Buttons and Signs. |      |    |
| 4 Remove and Salvage Existing Pedestrian Post, Push Button, and Signs.                                                       |      |    |
| 5 Remove and Dispose of Existing Foundation a Minimum of 3' Below Grade and Backfill.                                        |      |    |
| 6 Remove and Salvage Existing Video Detection.                                                                               |      |    |
| 7 Remove and Salvage Existing Illuminated Street Name Sign.                                                                  |      |    |
| 8 Remove and Salvage Existing Cabinet. Remove and Dispose of Existing Conduit Elbows.                                        |      |    |
| 9 Protect Existing Meter Pedestal in Place.                                                                                  |      |    |
| 10 Remove and Dispose of Existing Cabinet Foundation.                                                                        |      |    |

No.	REVISIONS	DATE	BY

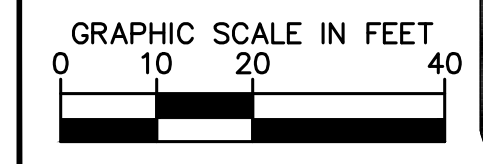
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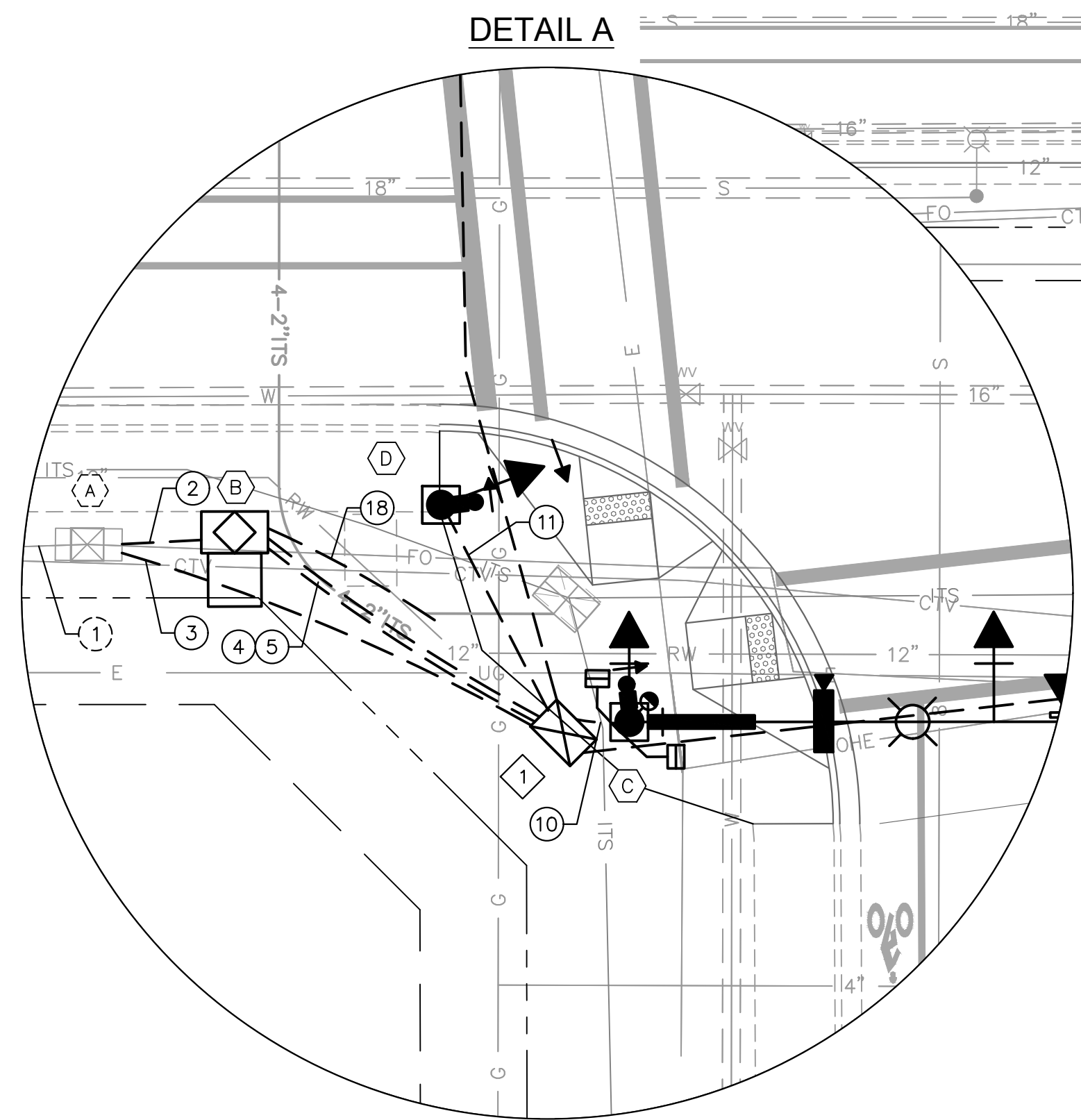
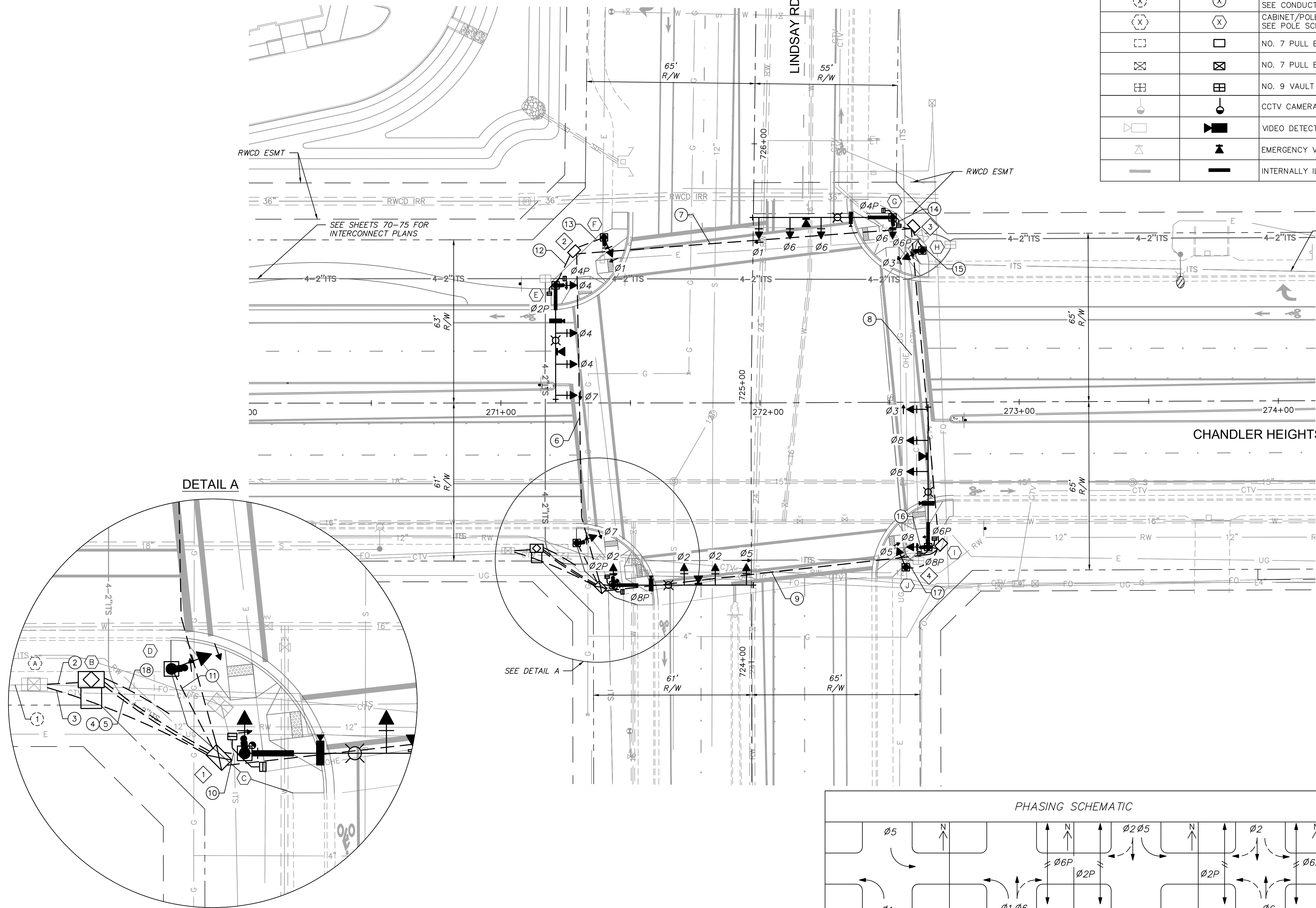
SCALE (H):	N/A
SCALE (V):	N/A
DESIGNED BY:	EKG
DRAWN BY:	SJM
CHECKED BY:	LB
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 SIGNAL REMOVAL PLAN  
 LINDSAY RD & CHANDLER HEIGHTS RD  
 C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203 01C
SHEET DWG	TS01
	66 OF 135



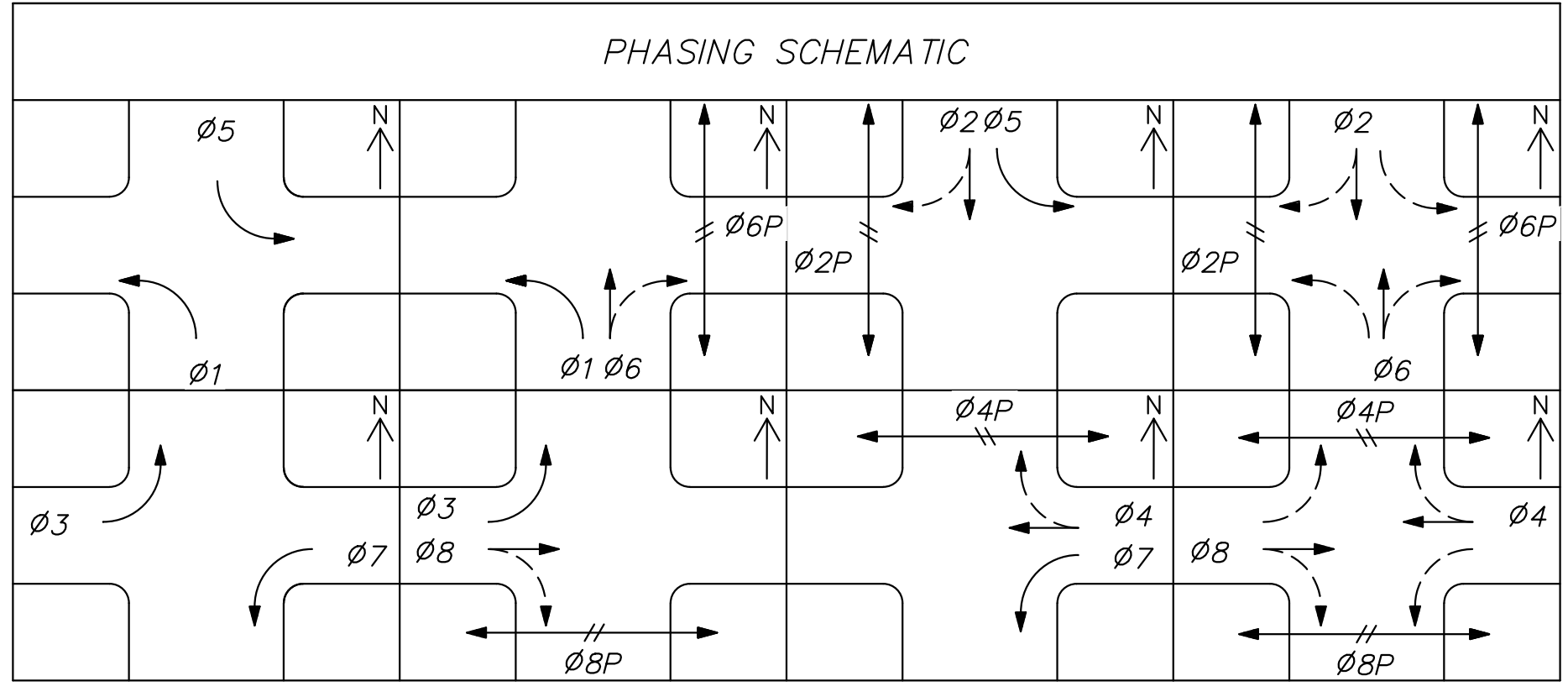
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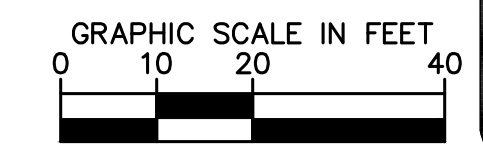
EXISTING	NEW	LEGEND
(X)	(X)	CONDUIT RUN DESIGNATION - SEE CONDUCTOR SCHEDULE (SHEET TS03)
(X)	(X)	CABINET/POLE FOUNDATION DESIGNATION - SEE POLE SCHEDULE (SHEET TS03)
(□)	(□)	NO. 7 PULL BOX
(⊗)	(⊗)	NO. 7 PULL BOX WITH EXTENSION
(⊞)	(⊞)	NO. 9 VAULT
(●)	(●)	CCTV CAMERA
(▶)	(▶)	VIDEO DETECTION CAMERA
(▲)	(▲)	EMERGENCY VEHICLE DETECTION
(—)	(—)	INTERNALLY ILLUMINATED STREET NAME SIGN

No.	Type	Location*
1	No. 7E	Sta 271+38, 71' RT
2	No. 7	Sta 271+28, 58' LT
3	No. 7	Sta 272+60, 68' LT
4	No. 7	Sta 272+60, 62' RT

\* Stations And Offsets Are Approximate. Actual Locations Shall Be Field Verified By The Traffic Signal Inspector Prior To Pull Box Installation. Station And Offsets Refer to the Chandler Heights Road Alignment.



EB/WB: PROTECTED/PERMITTED LEFT-TURN PHASING (FLASHING YELLOW ARROW)  
NB/SB: PROTECTED/PERMITTED LEFT-TURN PHASING (FLASHING YELLOW ARROW)



No.	REVISIONS	DATE	BY

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SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	EKG
DRAWN BY:	SJM
CHECKED BY:	LB
DATE:	03/2024

**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**TRAFFIC SIGNAL PLAN**  
**LINDSAY RD & CHANDLER HEIGHTS RD**

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203 01C
SHEET DWG	TS02
67 OF 135	

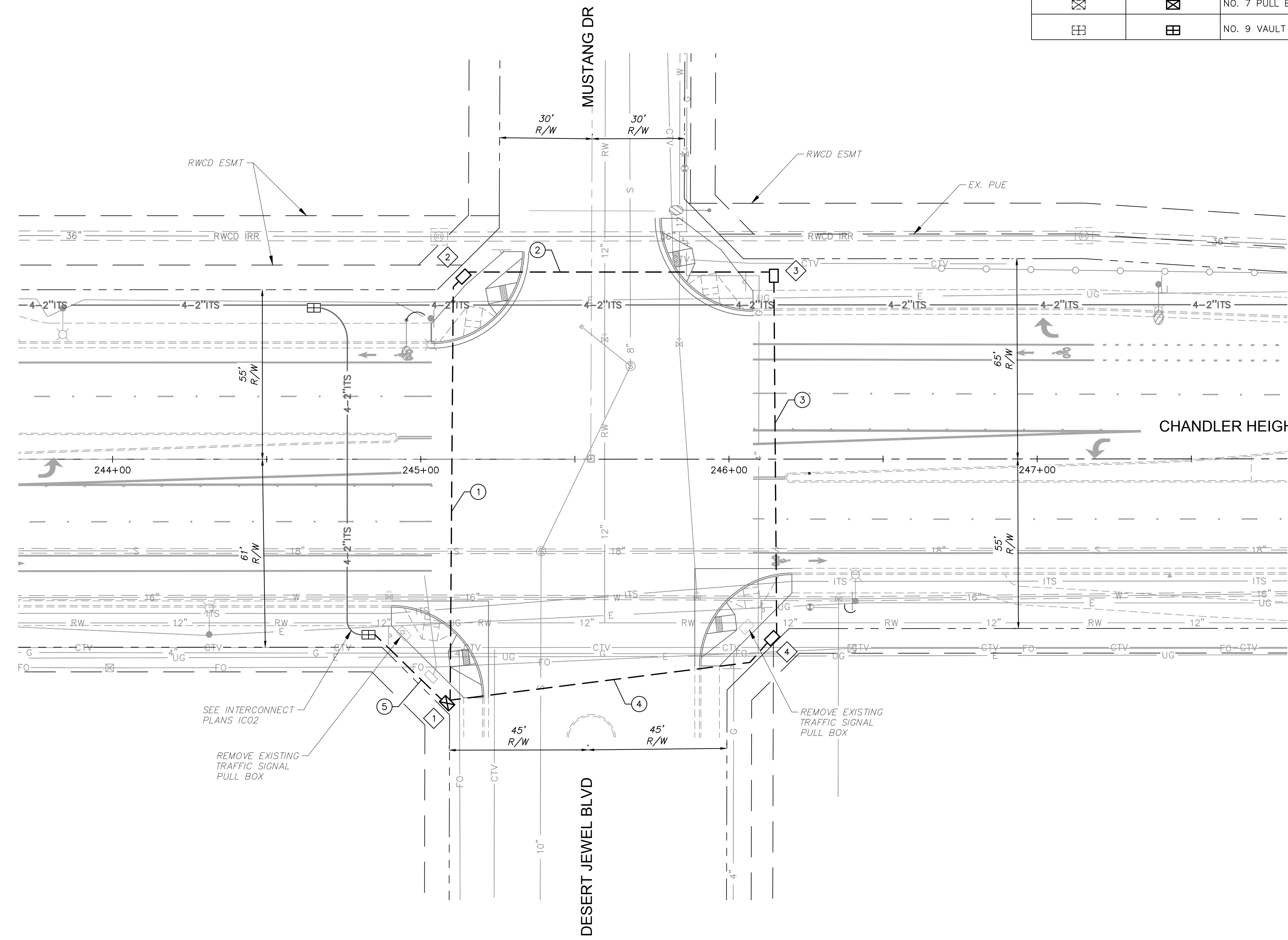
C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS



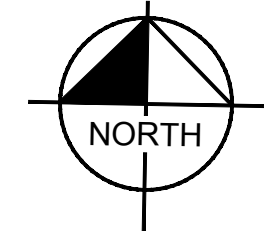
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**CONDUCTOR SCHEDULE**

CONDUIT RUN NUMBER	1	2	3	4	5
CONDUIT SIZE IN INCHES	4	4	4	4	3



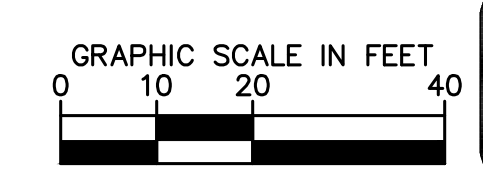
EXISTING	NEW	LEGEND
(X)	(X)	CONDUIT RUN DESIGNATION
(X)	(X)	CABINET/POLE FOUNDATION DESIGNATION
[ ]	[ ]	NO. 7 PULL BOX
[ ]	[ ]	NO. 7 PULL BOX WITH EXTENSION
[ ]	[ ]	NO. 9 VAULT



**TRAFFIC SIGNAL PULL BOX SCHEDULE**

No.	Type	Location*
1	No. 7E	Sta 245+09, 79' RT
2	No. 7	Sta 245+14, 59' LT
3	No. 7	Sta 246+15, 59' LT
4	No. 7	Sta 246+14, 58' RT

\* Stations And Offsets Are Approximate. Actual Locations Shall Be Field Verified By The Traffic Signal Inspector Prior To Pull Box Installation. Stations And Offsets Refer To The Chandler Heights Road Alignment.



No.	REVISIONS	DATE	BY

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 WWW.KIMLEY-HORN.COM



SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	EKG
DRAWN BY:	SJM
CHECKED BY:	LB
DATE:	03/2024

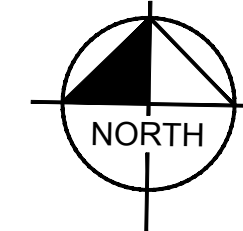
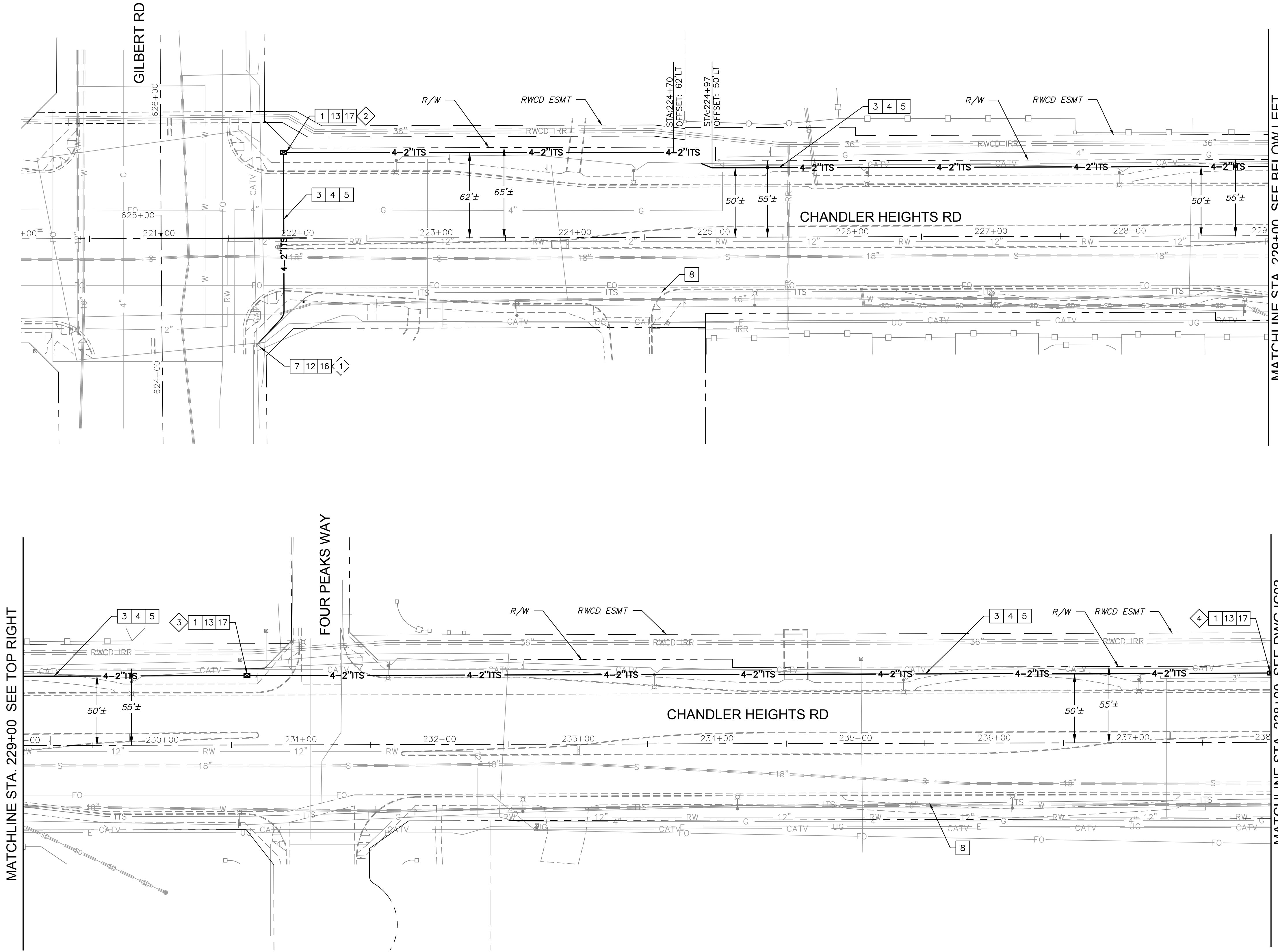
**CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 TRAFFIC SIGNAL PLAN  
 CHANDLER HEIGHTS RD & MUSTANG DR**

CITY PROJECT NO. ST1804.401  
 FEDERAL NO. CHN-0(244)D  
 ADOT NO. T0203 01C

SHEET DWG TS04  
 69 OF 135

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

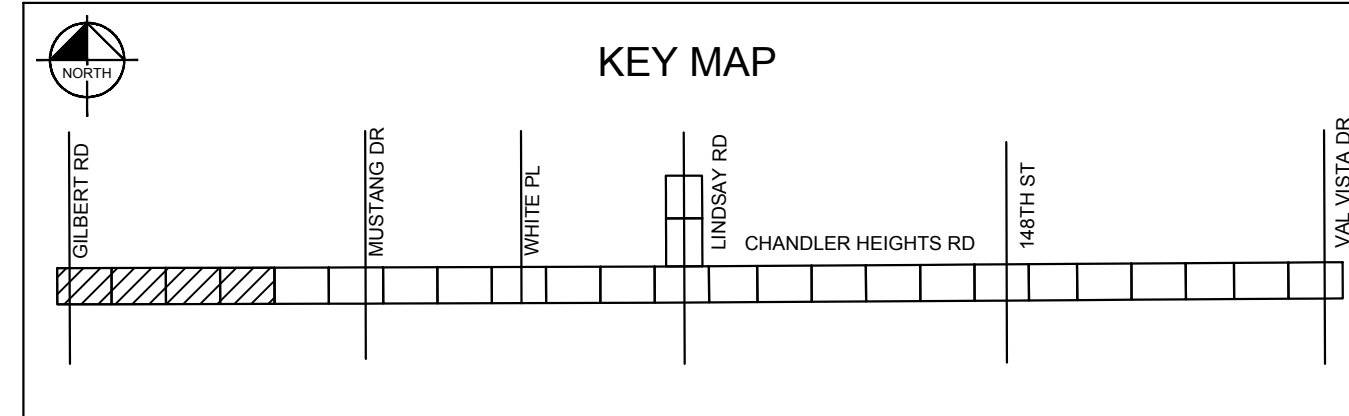
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MATCHLINE STA. 229+00 SEE TOP RIGHT

MATCHLINE STA. 229+00 SEE BELOW LEFT

MATCHLINE STA. 238+00 SEE DWG IC02



**NOTES**

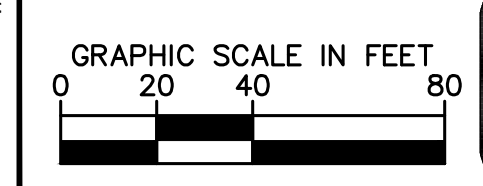
- 1 Install New C.O.C. Type 7E Pull Box.
- 3 Install New 4-2" Conduits (Black And Three Others Of Unique Colors).
- 4 Install New 144 SMFO In Black Conduit And Install 2500 lb Mule Tape and #12 AWG Tracer Wire In All Other Conduits.
- 5 Directional Drill New Conduits.
- 7 Existing Pull Box. Protect in Place.
- 8 Existing C.O.C. conduit and fiber. Protect in place.
- 12 Coil 100 Feet of 144 SMFO in #9 Pull Box.
- 13 Coil 50 Feet of 144 SMFO in #7 Pull Box.
- 16 Splice New 144 SMFO in Existing Splice Closure.\*
- 17 Connect Detectable Elements With A Wirenut.

\*Splicing diagrams will be provided by the City OSP Fiber Specialist and no splicing or splice prep work should occur until approved by the City OSP Fiber Specialist. Coordination for all fiber splicing work is required and the City OSP Fiber Specialist should be contacted 4 weeks in advance to provide splice diagrams and coordinate the splicing work with any potentially impacted departments by emailing [ospfiber@chandlerazgov](mailto:ospfiber@chandlerazgov), identifying the project and explaining the request.

**INTERCONNECT PULL BOX SCHEDULE**

No.	Type	Location**
1	Ex. No. 9	Approx. as Shown
2	New No. 7E	Sta 221+90, 62'L
3	New No. 7E	Sta 230+61, 50'L
4	New No. 7E	Sta 238+00, 50'L

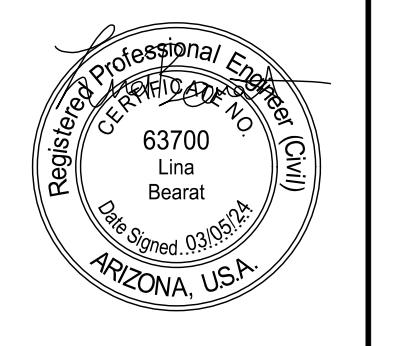
\*\*Stations And Offsets Are Approximate. Actual Locations Shall Be Field Verified By The Traffic Signal Inspector Prior To Pull Box Installation.



NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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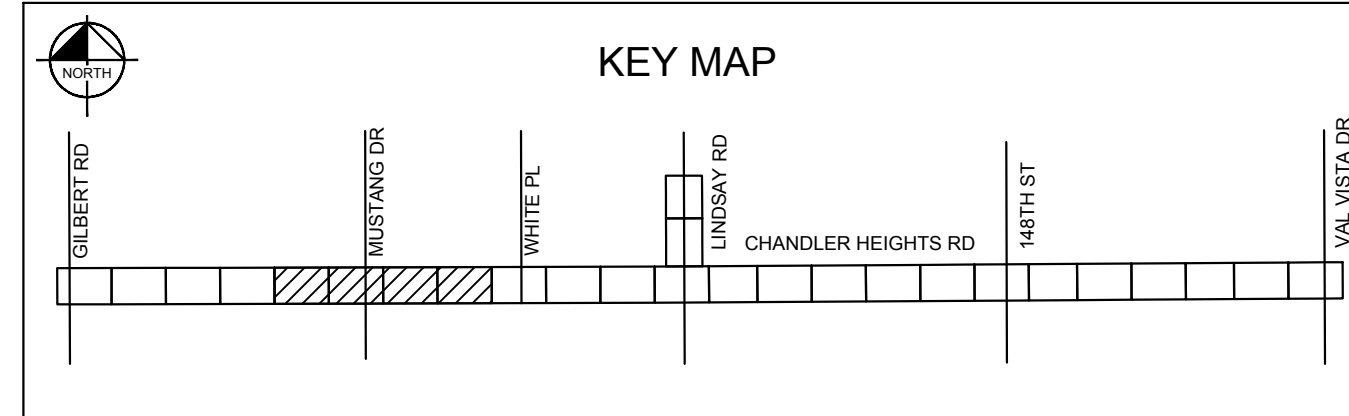
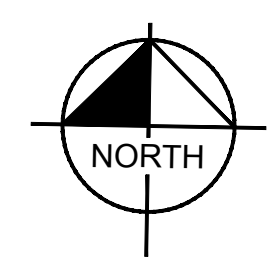
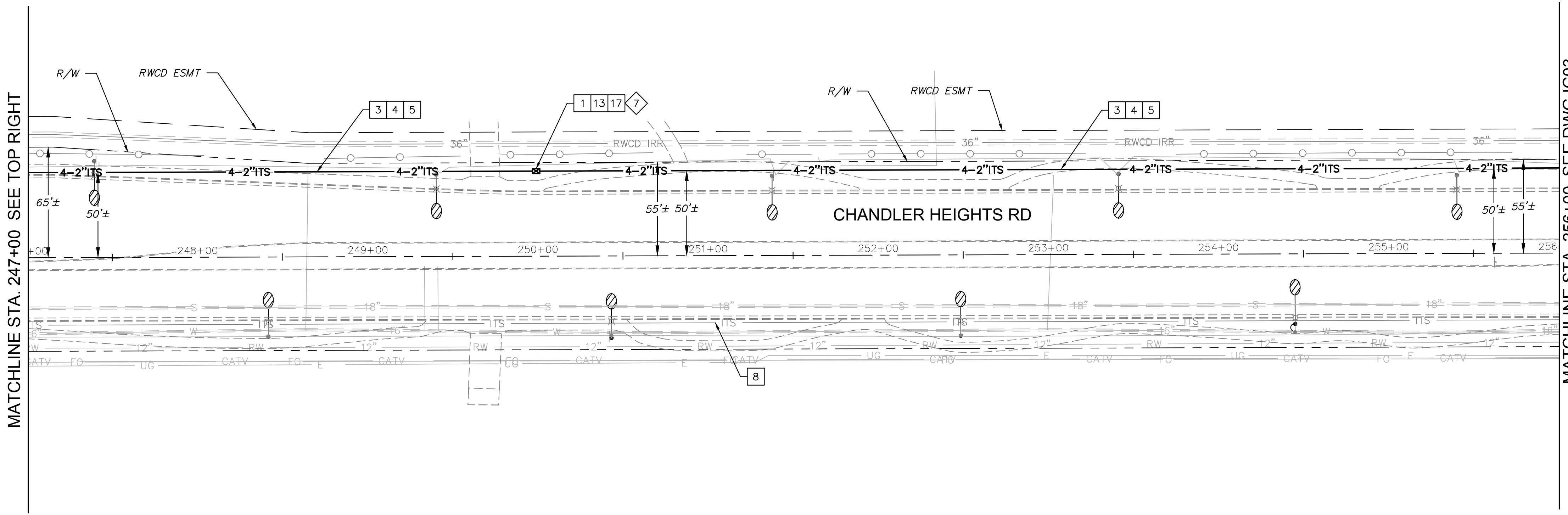
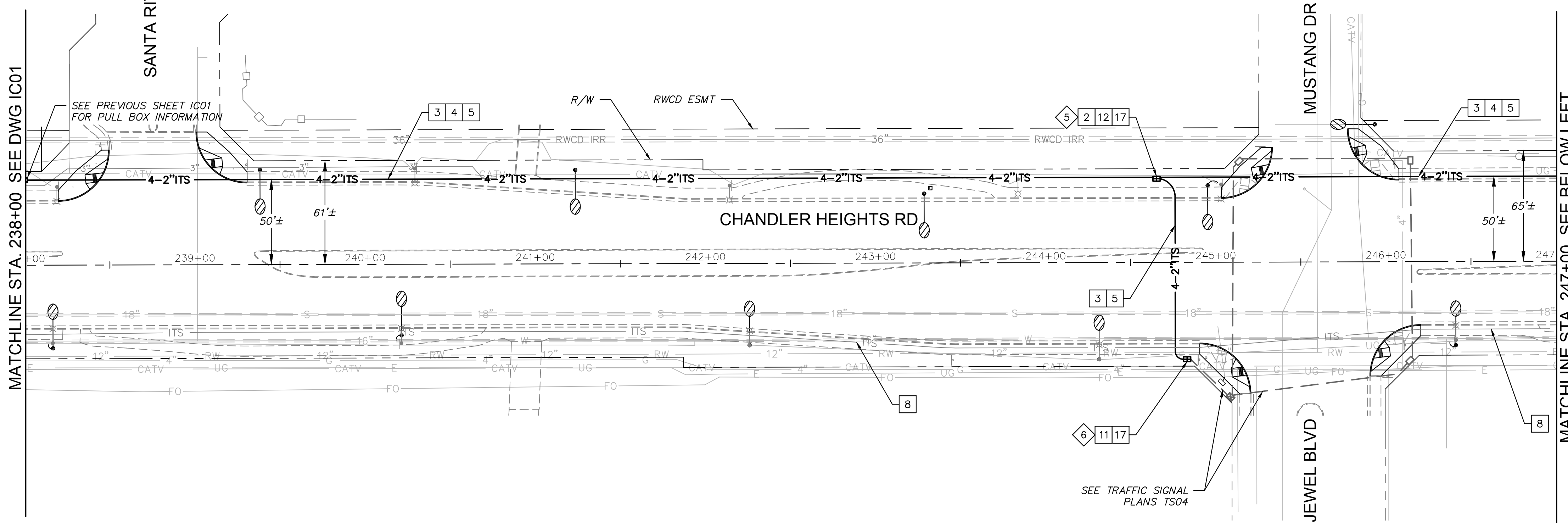
SCALE (H):	1"=40'
SCALE (V):	N/A
DESIGNED BY:	EKG
DRAWN BY:	SJM
CHECKED BY:	LB
DATE:	03/2024

**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**TRAFFIC INTERCONNECT PLAN**  
**STA 220+00 TO STA 238+00**

CITY PROJECT NO. ST1804.401
FEDERAL NO. CHN-0(244)D
ADOT NO. T0203.01C
SHEET DWG IC01
70 OF 135

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: Montenegro, Sarah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: IC02 March 04, 2024 09:54:23pm K:\PHX\_Roadway\191466010-Chandler\_Highways\_Rd-Cilbert\_Lo\_Val\_Vista\_Cadd\12-Sheets\191466010-IC02.dwg

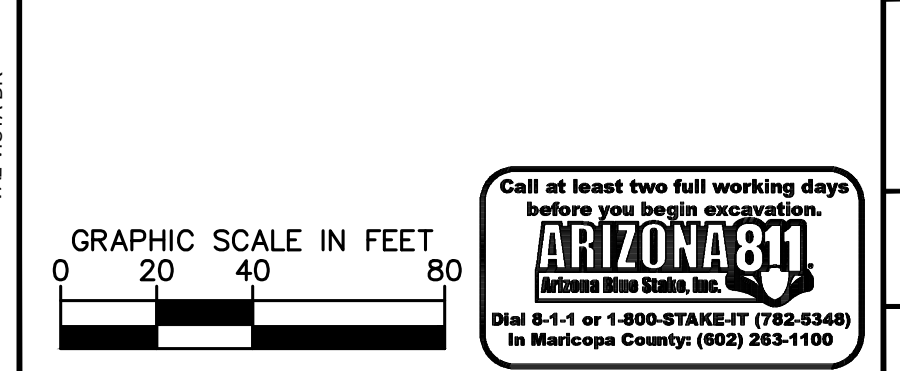


NOTES	
DESCRIPTION	
1	Install New C.O.C. Type 7E Pull Box.
2	Install New C.O.C. Type 9 Pull Box and New Tyco 4500 Splice Closure.*
3	Install New 4-2" Conduits (Black And Three Others Of Unique Colors).
4	Install New 144 SMFO in Black Conduit And Install 2500 lb Mule Tape and #12 AWG Tracer Wire In All Other Conduits.
5	Directional Drill New Conduits.
8	Existing C.O.C. Conduit And Fiber. Protect in Place.
11	Install New C.O.C. Type Split 9 Pull Box.
12	Coil 100 Feet of 144 SMFO in #9 Pull Box.
13	Coil 50 Feet of 144 SMFO in #7 Pull Box.
17	Connect Detectable Elements With A Wirenut.

\*Splicing diagrams will be provided by the City OSP Fiber Specialist and no splicing or splice prep work should occur until approved by the City OSP Fiber Specialist. Coordination for all fiber splicing work is required and the City OSP Fiber Specialist should be contacted 4 weeks in advance to provide splice diagrams and coordinate the splicing work with any potentially impacted departments by emailing ospfiber@chandlerazgov, identifying the project and explaining the request.

INTERCONNECT PULL BOX SCHEDULE			
No.	Type	Location**	
5	New No.9	Sta 244+65,	50'L
6	New Split No.9	Sta 244+83,	57'R
7	New No.7E	Sta 250+00,	50'L

\*\*Stations And Offsets Are Approximate. Actual Locations Shall Be Field Verified By The Traffic Signal Inspector Prior To Pull Box Installation.



NO.	REVISIONS	DATE	BY

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 WWW.KIMLEY-HORN.COM



SCALE (H):	1"=40'
SCALE (V):	N/A
DESIGNED BY:	EKG
DRAWN BY:	SJM
CHECKED BY:	LB
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 TRAFFIC INTERCONNECT PLAN  
 STA 238+00 TO STA 256+00

CITY PROJECT NO. ST1804.401  
 FEDERAL NO. CHN-0(244)D  
 ADOT NO. T0203.01C

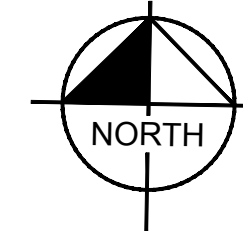
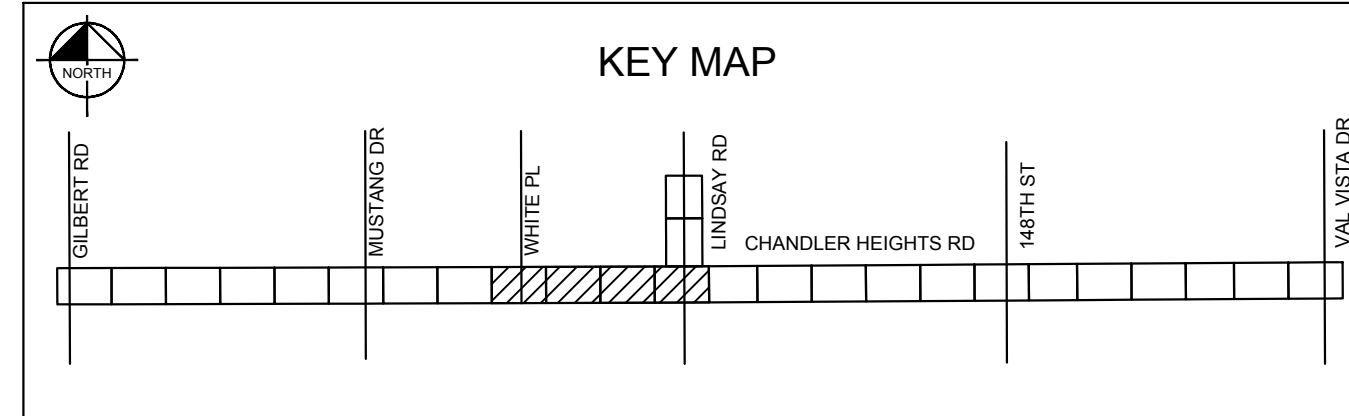
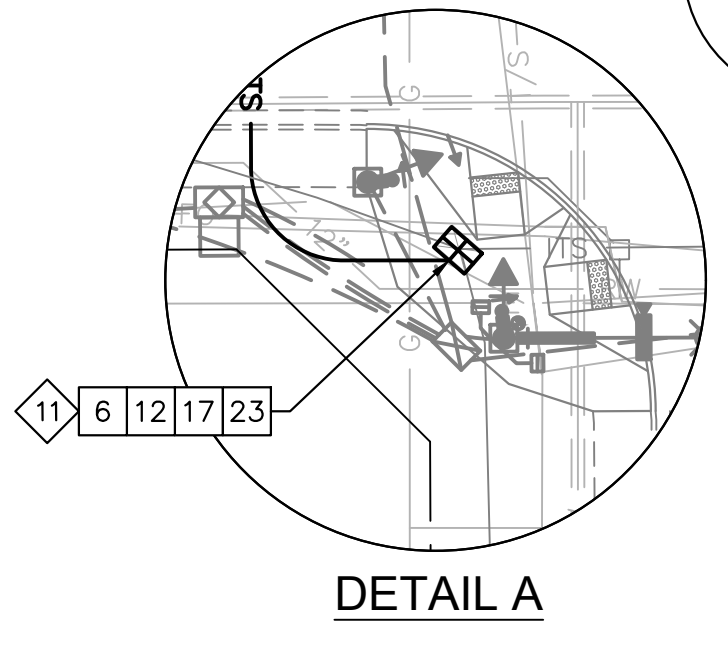
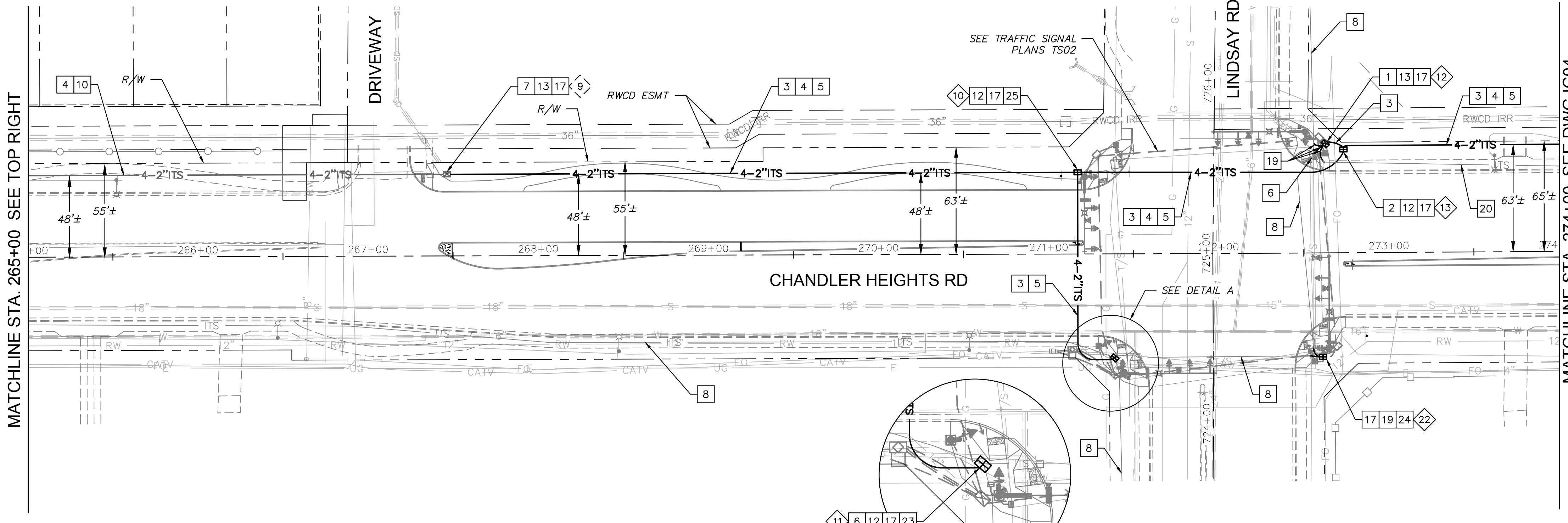
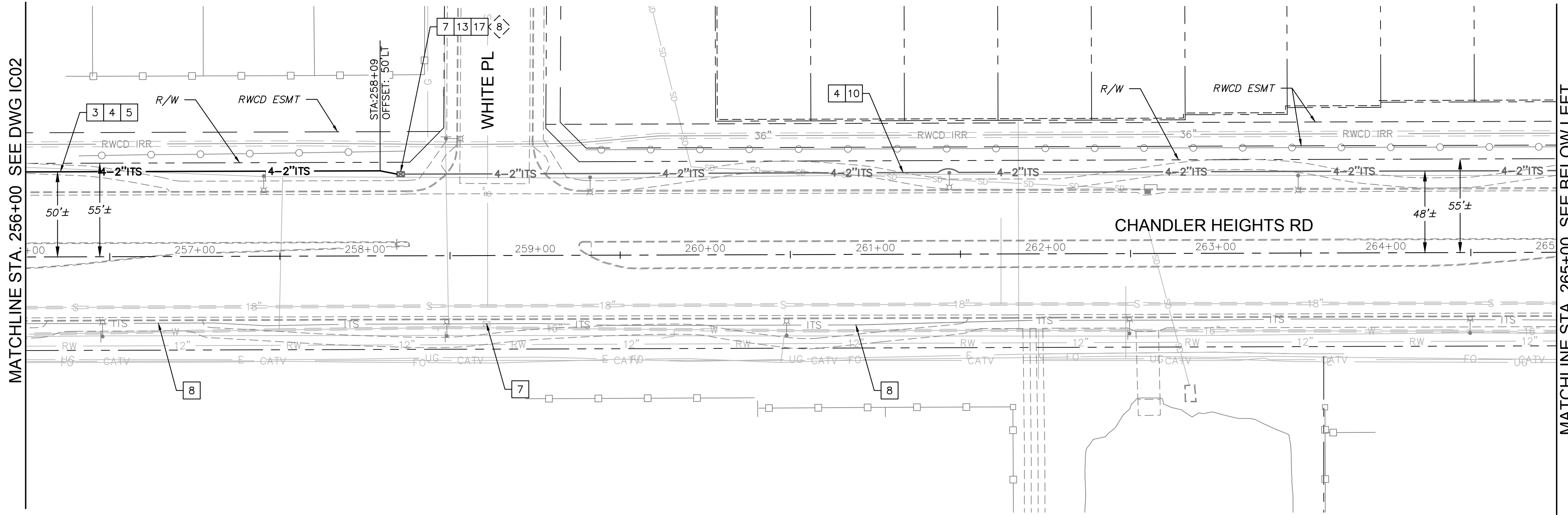
SHEET DWG IC02

71 OF 135

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS



Plotted By: Montenegro, Sarah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: IC03 March 04, 2024 09:54:58pm K:\PHX-Roadway\191466010-Chandler Heights Rd-Cilbert.La.Val\_Vista\_Cadd\12-Sheets\191466010-IC03.dwg



MATCHLINE STA. 256+00 SEE DWG IC02

MATCHLINE STA. 265+00 SEE BELOW LEFT

MATCHLINE STA. 265+00 SEE TOP RIGHT

MATCHLINE STA. 274+00 SEE DWG IC04

**NOTES**

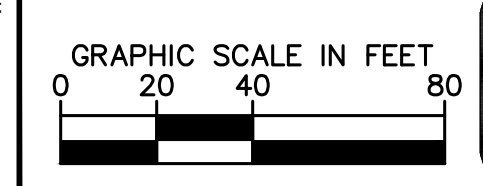
- | DESCRIPTION                                                                                                          | DATE | BY |
|----------------------------------------------------------------------------------------------------------------------|------|----|
| 1 Install New C.O.C. Type 7E Pull Box.                                                                               |      |    |
| 2 Install New C.O.C. Type 9 Pull Box and New Tyco 4500 Splice Closure.*                                              |      |    |
| 3 Install New 4-2" Conduits (Black And Three Others Of Unique Colors).                                               |      |    |
| 4 Install New 144 SMFO In Black Conduit And Install 2500 lb Mule Tape and #12 AWG Tracer Wire In All Other Conduits. |      |    |
| 5 Directional Drill New Conduits.                                                                                    |      |    |
| 6 Remove Existing ITS Pull Box.                                                                                      |      |    |
| 7 Existing Pull Box. Protect in Place.                                                                               |      |    |
| 8 Existing C.O.C. conduit and fiber. Protect in place.                                                               |      |    |
| 10 Existing C.O.C. Conduit. Protect in Place.                                                                        |      |    |
| 12 Coil 100 Feet of 144 SMFO in #9 Pull Box.                                                                         |      |    |
| 13 Coil 50 Feet of 144 SMFO in #7 Pull Box.                                                                          |      |    |
| 17 Connect Detectable Elements With A Wirenut.                                                                       |      |    |
| 19 Intercept Existing Conduit and Fiber and Route into New C.O.C. Pull Box.                                          |      |    |
| 20 Existing C.O.C. Conduit, 1-4" with 3-1.25" Innerducts. Protect In Place.                                          |      |    |
| 23 Install New C.O.C. Type Split No. 9 Pull Box. Orient Lid to Open Towards the Southeast.                           |      |    |
| 24 Install New C.O.C. Type Split No. 9 Pull Box with Knockouts on All 4-Sides.                                       |      |    |
| 25 Install New C.O.C. Type No. 9 Pull Box with Knockouts on All 4-Sides.                                             |      |    |

\*Splicing diagrams will be provided by the City OSP Fiber Specialist and no splicing or splice prep work should occur until approved by the City OSP Fiber Specialist. Coordination for all fiber splicing work is required and the City OSP Fiber Specialist should be contacted 4 weeks in advance to provide splice diagrams and coordinate the splicing work with any potentially impacted departments by emailing ospfiber@chandlerazgov, identifying the project and explaining the request.

**INTERCONNECT PULL BOX SCHEDULE**

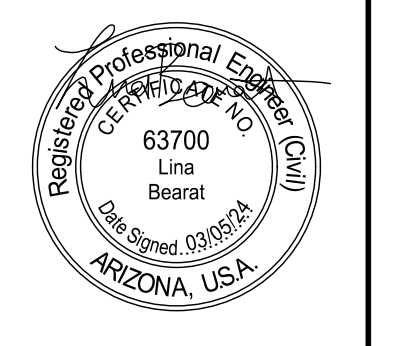
No.	Type	Location**
8	Ex. No.7E	Approx. as Shown
9	Ex. No.7E	Approx. as Shown
10	New No.9	Sta 271+17, 48'L
11	New Split No. 9	Sta 271+39, 61'R
12	New No.7E	Sta 272+63, 64'L
13	New No. 9	Sta 272+74, 61'L
22	New Split No. 9	Sta 272+61, 61'R

\*\*Stations And Offsets Are Approximate. Actual Locations Shall Be Field Verified By The Traffic Signal Inspector Prior To Pull Box Installation.



NO.	REVISIONS	DATE	BY

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 PHONE: 602-944-5500 FAX: 602-944-7423  
 WWW.KIMLEY-HORN.COM



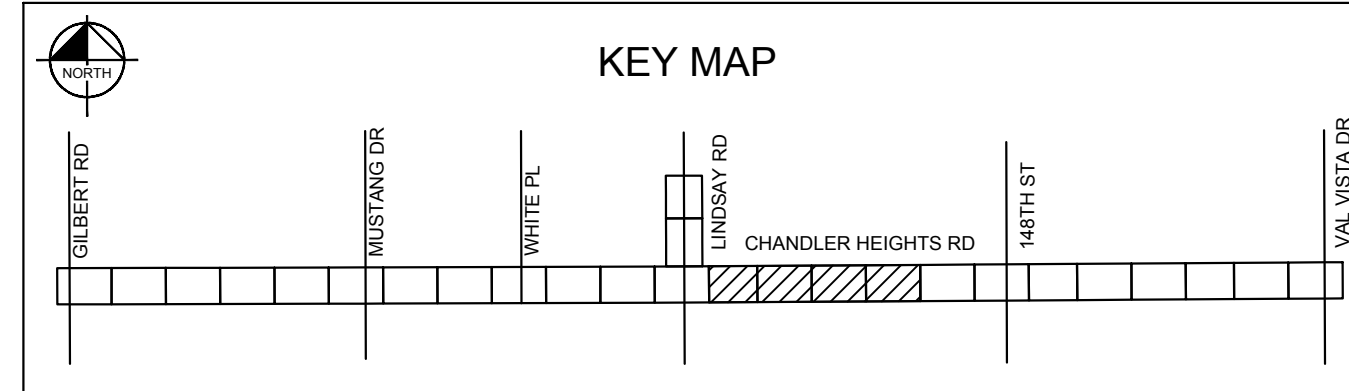
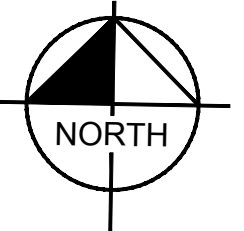
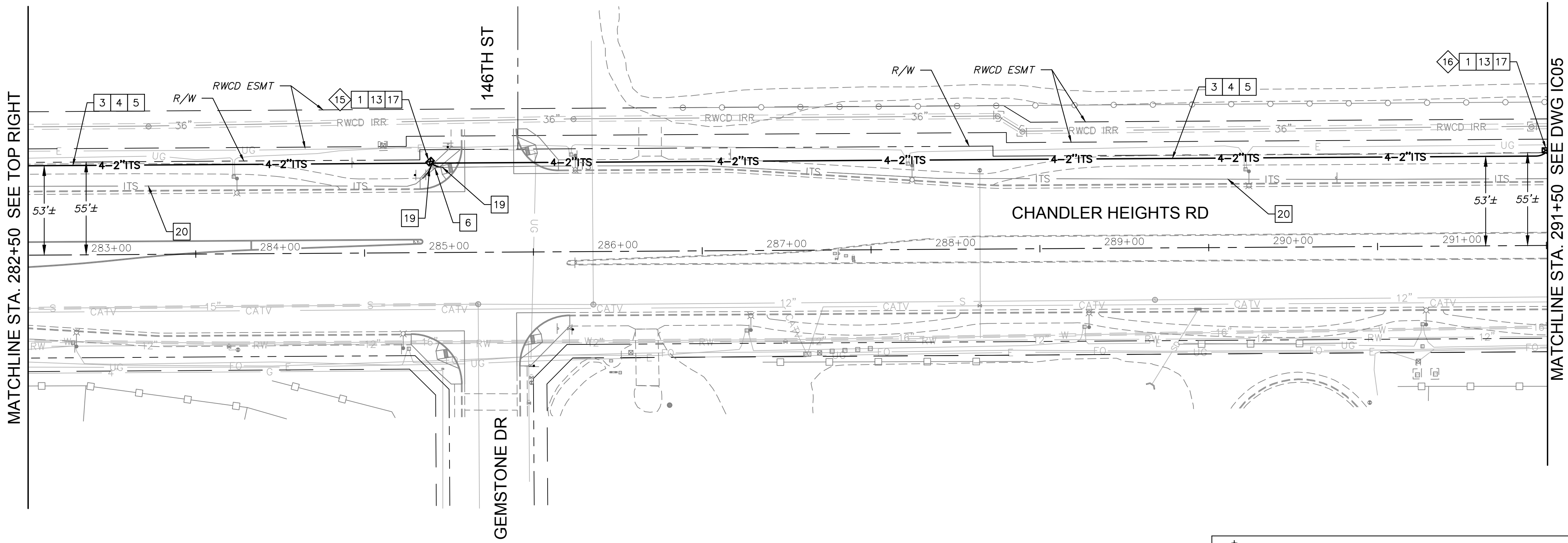
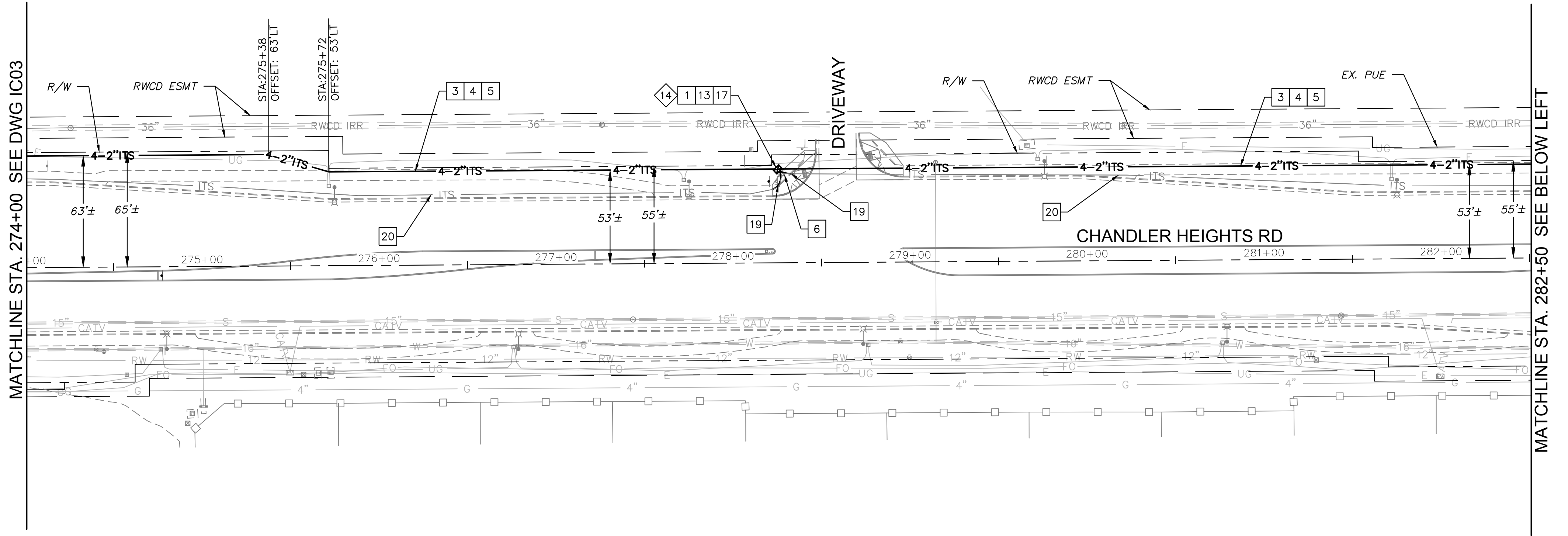
SCALE (H):	1"=40'
SCALE (V):	N/A
DESIGNED BY:	EKG
DRAWN BY:	SJM
CHECKED BY:	LB
DATE:	03/2024

**CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 TRAFFIC INTERCONNECT PLAN  
 STA 256+00 TO STA 274+00**

CITY PROJECT NO. ST1804.401
FEDERAL NO. CHN-0(244)D
ADOT NO. T0203.01C
SHEET DWG IC03
72 OF 135

C.O.C. LOG NO. CV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: Montenegro, Sarah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: IC04 March 04, 2024 09:55:32pm K:\PHX\_Roadway\191466010-Chandler\_Highways\_Rd-Cilbert\_Lo\_Val\_Vista\_Cadd\12-Sheets\191466010-IC04.dwg



**NOTES**

- DESCRIPTION
- 1 Install New C.O.C. Type 7E Pull Box.
  - 3 Install New 4-2" Conduits (Black And Three Others Of Unique Colors).
  - 4 Install New 144 SMFO In Black Conduit And Install 2500 lb Mule Tape and #12 AWG Tracer Wire In All Other Conduits.
  - 5 Directional Drill New Conduits.
  - 6 Remove Existing ITS Pull Box.
  - 13 Coil 50 Feet of 144 SMFO in #7 Pull Box.
  - 17 Connect Detectable Elements With A Wirenut.
  - 19 Intercept Existing Conduit and Fiber and Route into New C.O.C. Pull Box.
  - 20 Existing C.O.C. Conduit, 1-4" with 3-1.25" Innerducts. Protect In Place.

No.	REVISIONS	DATE	BY

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 PHONE: 602-944-5500 FAX: 602-944-7423  
 WWW.KIMLEY-HORN.COM



SCALE (H):	1"=40'
SCALE (V):	N/A
DESIGNED BY:	EKG
DRAWN BY:	SJM
CHECKED BY:	LB
DATE:	03/2024

**INTERCONNECT PULL BOX SCHEDULE**

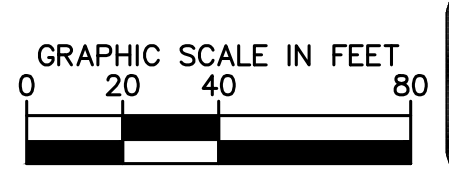
No.	Type	Location**
14	New No.7E	Sta 278+26, 53'L
15	New No.7E	Sta 284+89, 53'L
16	New No.7E	Sta 291+50, 56'L

\*\*Stations And Offsets Are Approximate. Actual Locations Shall Be Field Verified By The Traffic Signal Inspector Prior To Pull Box Installation.

**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**TRAFFIC INTERCONNECT PLAN**  
**STA 274+00 TO STA 291+50**

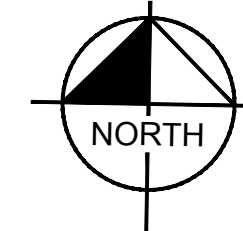
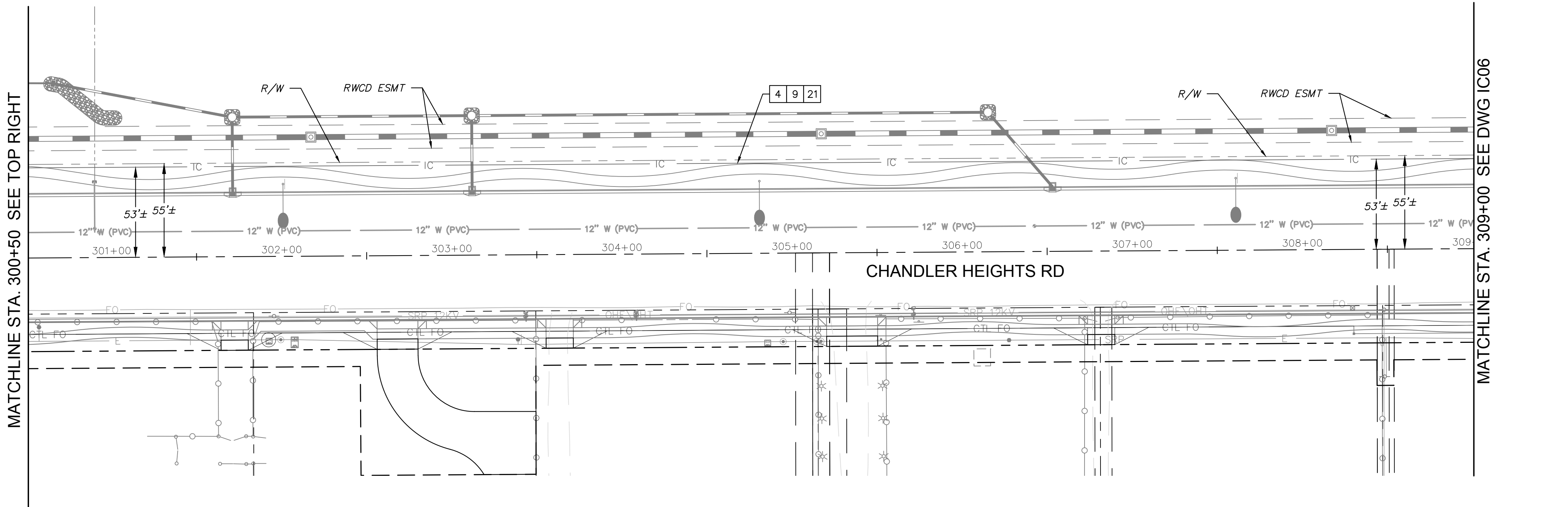
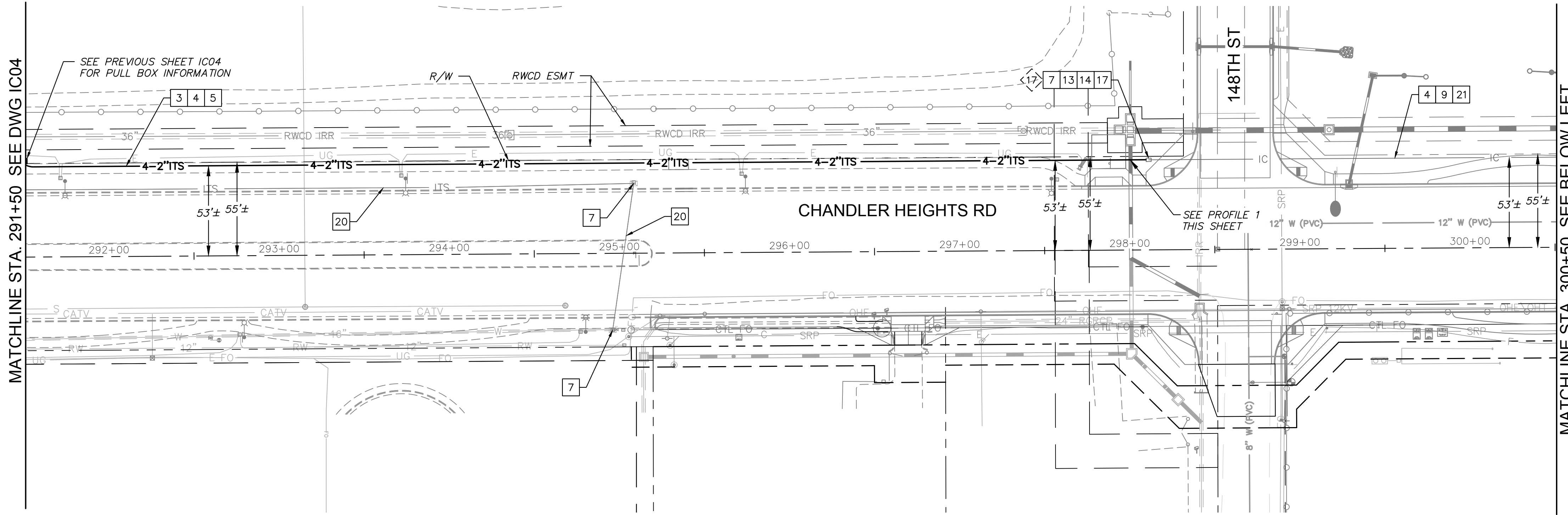
CITY PROJECT NO. ST1804.401  
 FEDERAL NO. CHN-0(244)D  
 ADOT NO. T0203.01C

SHEET DWG IC04  
 73 OF 135

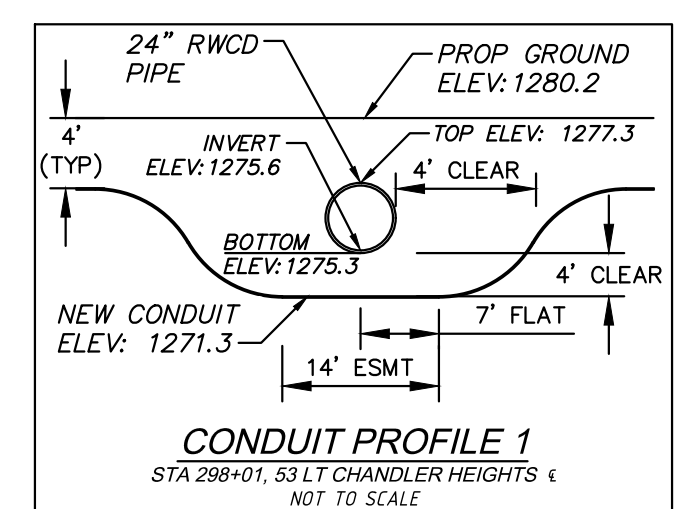


C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: Montenegro, Sarah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: IC05 March 04, 2024 09:56:09pm K:\PHX\_Roadway\191466010-Chandler Heights Rd-Cibola\191466010-IC05.dwg



- NOTES**
- DESCRIPTION
- 3 Install New 4-2" Conduits (Black And Three Others Of Unique Colors).
  - 4 Install New 144 SMFO In Black Conduit And Install 2500 lb Mule Tape and #12 AWG Tracer Wire In All Other Conduits.
  - 5 Directional Drill New Conduits.
  - 7 Existing Pull Box. Protect in Place.
  - 9 Install New 3-1.25" Innerducts in existing 2-4" Conduits.
  - 13 Coil 50 Feet of 144 SMFO in #7 Pull Box.
  - 14 Route New Conduit into Existing Pull Box.
  - 17 Connect Detectable Elements With A Wirenut.
  - 20 Existing C.O.C. Conduit, 1-4" with 3-1.25" Innerducts. Protect In Place.
  - 21 Existing C.O.C. Conduit, 2-4". Protect In Place.



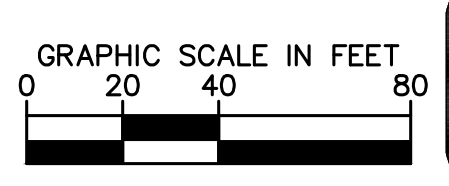
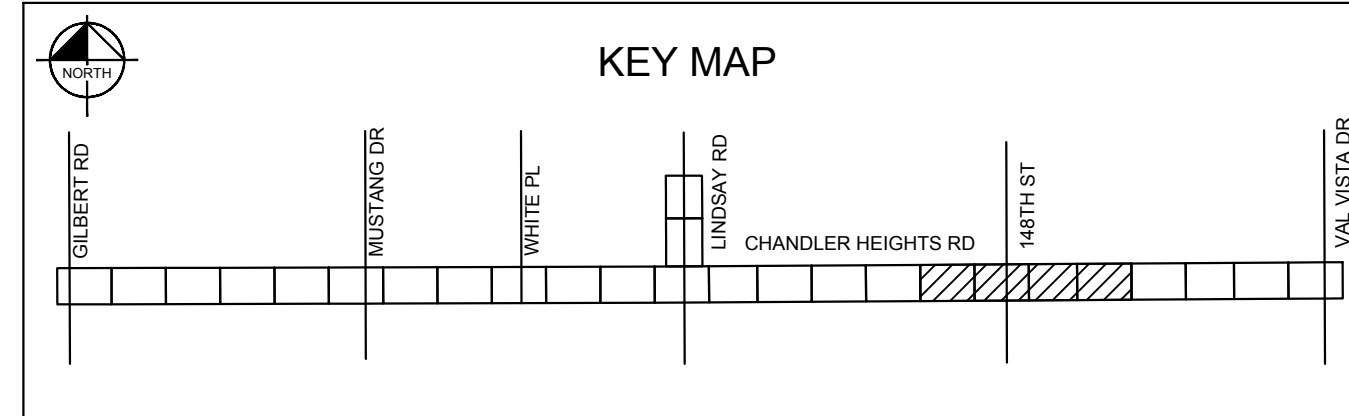
NOTE: WHERE CROSSING EXISTING RWCD FACILITIES, PROPOSED UTILITIES SHALL EITHER BE INSTALLED AFTER THE EXISTING RWCD FACILITY IS TAKEN OUT OF SERVICE OR THE UTILITY INSTALLATION SHALL BE BY HORIZONTAL EARTH AUGER BORE.

NOTE: WHERE CROSSING PROPOSED RWCD FACILITIES, PROPOSED UTILITIES SHALL EITHER BE INSTALLED PRIOR TO THE RWCD FACILITY INSTALLATION OR THE UTILITY INSTALLATION SHALL BE BY HORIZONTAL EARTH AUGER BORE.

**INTERCONNECT PULL BOX SCHEDULE**

No.	Type	Location**
17	Ex No. 7E	Approx. as Shown

\*\*Stations And Offsets Are Approximate. Actual Locations Shall Be Field Verified By The Traffic Signal Inspector Prior To Pull Box Installation.



NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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 WWW.KIMLEY-HORN.COM



SCALE (H):	1"=40'
SCALE (V):	N/A
DESIGNED BY:	EKG
DRAWN BY:	SJM
CHECKED BY:	LB
DATE:	03/2024

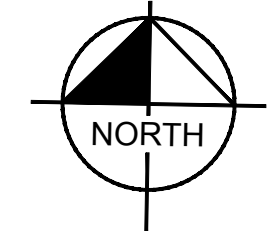
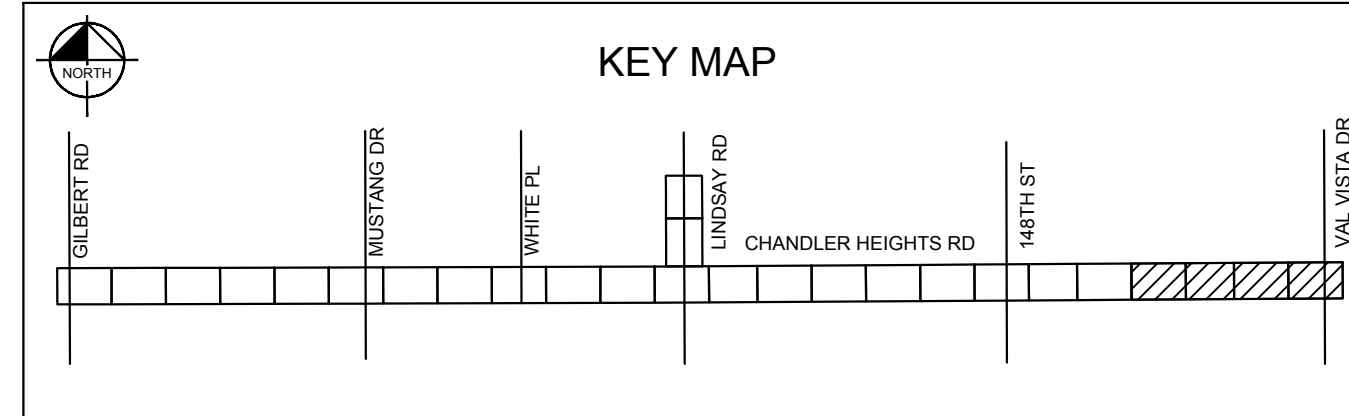
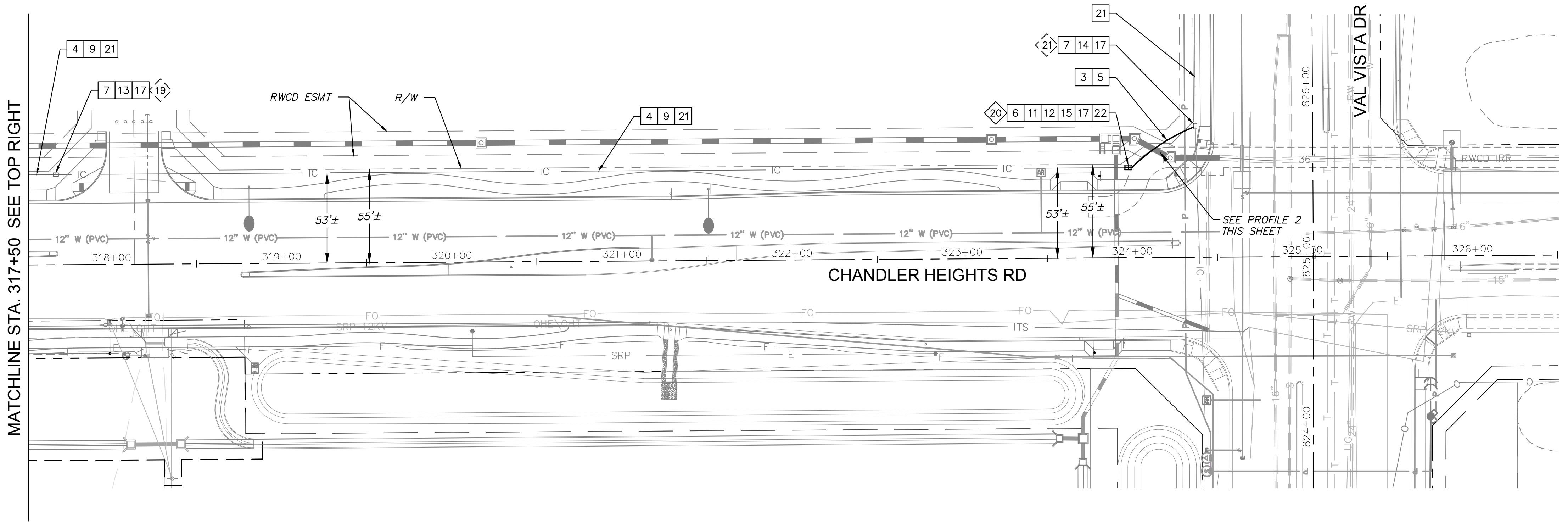
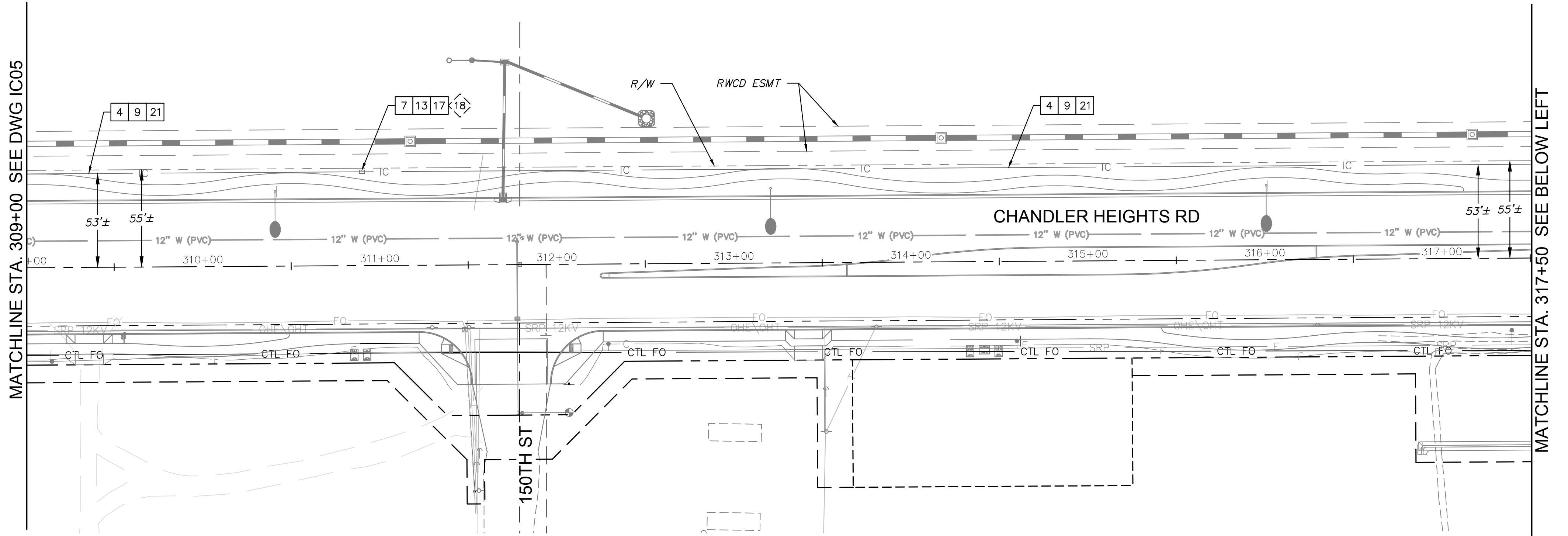
CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 TRAFFIC INTERCONNECT PLAN  
 STA 291+50 TO STA 309+00

CITY PROJECT NO.  
 ST1804.401  
 FEDERAL NO.  
 CHN-0(244)D  
 ADOT NO. T0203.01C

SHEET DWG  
 IC05  
 74 OF 135

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

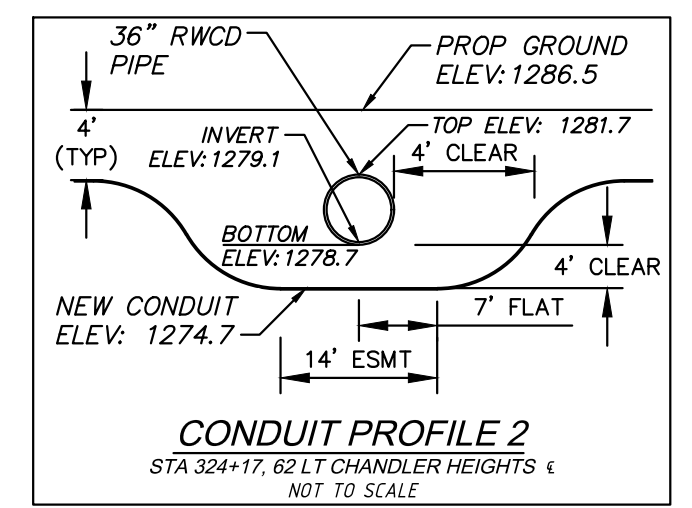
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**NOTES**

- DESCRIPTION
- 3 Install New 4-2" Conduits (Black And Three Others Of Unique Colors).
  - 4 Install New 144 SMFO In Black Conduit And Install 2500 lb Mule Tape and #12 AWG Tracer Wire In All Other Conduits.
  - 5 Directional Drill New Conduits.
  - 6 Remove Existing ITS Pull Box.
  - 7 Existing Pull Box. Protect In Place.
  - 9 Install New 3-1.25" Innerducts in existing 2-4" Conduits.
  - 11 Install New C.O.C. Type Split 9 Pull Box.
  - 12 Coil 100 Feet of 144 SMFO in #9 Pull Box.
  - 13 Coil 50 Feet of 144 SMFO in #7 Pull Box.
  - 14 Connect New Conduit into Existing Pull Box.
  - 15 Route Existing Conduits into New Pull Box.
  - 17 Connect Detectable Elements With A Wirenut.
  - 21 Existing C.O.C. Conduit, 2-4". Protect In Place.
  - 22 Install New Tyco 4500 Splice Closure and Stub Fiber Cable End into Splice Closure.\*

\*Splicing diagrams will be provided by the City OSP Fiber Specialist and no splicing or splice prep work should occur until approved by the City OSP Fiber Specialist. Coordination for all fiber splicing work is required and the City OSP Fiber Specialist should be contacted 4 weeks in advance to provide splice diagrams and coordinate the splicing work with any potentially impacted departments by emailing [ospfiber@chandlerazgov](mailto:ospfiber@chandlerazgov), identifying the project and explaining the request.



**CONDUIT PROFILE 2**  
STA 324+17, 62' LT CHANDLER HEIGHTS  
NOT TO SCALE

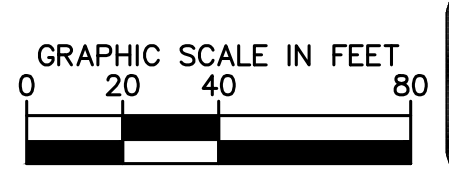
NOTE: WHERE CROSSING EXISTING RWCD FACILITIES, PROPOSED UTILITIES SHALL EITHER BE INSTALLED AFTER THE EXISTING RWCD FACILITY IS TAKEN OUT OF SERVICE OR THE UTILITY INSTALLATION SHALL BE BY HORIZONTAL EARTH AUGER BORE.

NOTE: WHERE CROSSING PROPOSED RWCD FACILITIES, PROPOSED UTILITIES SHALL EITHER BE INSTALLED PRIOR TO THE RWCD FACILITY INSTALLATION OR THE UTILITY INSTALLATION SHALL BE BY HORIZONTAL EARTH AUGER BORE.

**INTERCONNECT PULL BOX SCHEDULE**

No.	Type	Location**
<18>	Ex. No. 7E	Approx. as Shown
<19>	Ex. No. 7E	Approx. as Shown
<20>	New Split No. 9	Sta 323+98, 53'L
<21>	Ex. No. 7E	Approx. as Shown

\*\*Stations And Offsets Are Approximate. Actual Locations Shall Be Field Verified By The Traffic Signal Inspector Prior To Pull Box Installation.



NO.	REVISIONS	DATE	BY

**Kimley»Horn**  
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PHONE: 602-944-5500 FAX: 602-944-7423  
WWW.KIMLEY-HORN.COM



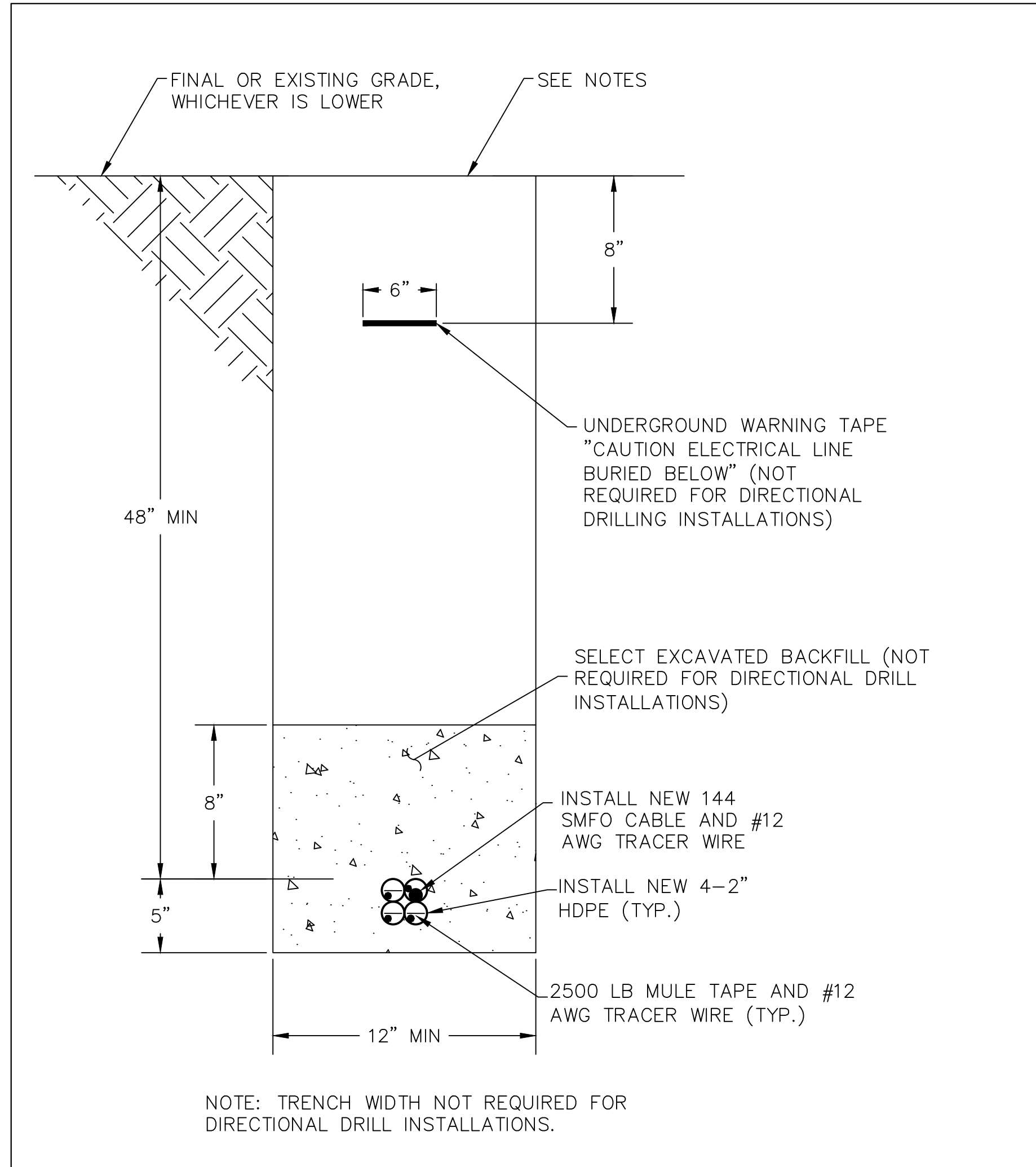
SCALE (H): 1"=40'  
SCALE (V): N/A  
DESIGNED BY: EKG  
DRAWN BY: SUM  
CHECKED BY: LB  
DATE: 03/2024

**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**TRAFFIC INTERCONNECT PLAN**  
**STA 309+00 TO STA 326+50**

CITY PROJECT NO. ST1804.401  
FEDERAL NO. CHN-0244JD  
ADOT NO. T0203.01C  
SHEET DWG IC06  
75 OF 135

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: Montsemy, Sarah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: IC07 March 04, 2024 09:56:51pm K:\PHX\_Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista\Cadd\12-Sheets\191466010-IC07.dwg



**INTERCONNECT TRENCHING OR DIRECTIONAL DRILLING DETAIL**  
N.T.S.

**NOTES:**

1. ALL SPOIL MATERIALS SHALL BE REMOVED OFFSITE BY THE CONTRACTOR.
2. AREA SHALL BE RETURNED TO EXISTING OR FINISHED GRADE.
3. CONDUIT COUPLINGS SHALL BE STAGGERED.
4. #12 AWG TRACER WIRE SHALL BE INSTALLED IN ALL OCCUPIED AND EMPTY CONDUIT. PULL TAPE SHALL BE INSTALLED IN ALL EMPTY CONDUITS.
5. NATIVE BACKFILL  
85% OF ARIZ 226 MAXIMUM DENSITY ALONG TRENCH ALIGNMENT  
95% OF ARIZ 226 MAXIMUM DENSITY ON SLOPES
6. SELECT EXCAVATED BACKFILL (SEE SECTION 501-3.04 OF THE ADOT 2021 SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION) REQUIRED FOR ALL CONDUIT TRENCH INSTALLATIONS.

No.	REVISIONS	DATE	BY

**Kimley»Horn**  
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PHONE: 602-944-5500 FAX: 602-944-7423  
WWW.KIMLEY-HORN.COM



SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	EGK
DRAWN BY:	SJM
CHECKED BY:	LB
DATE:	03/2024

**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**TRAFFIC INTERCONNECT DETAILS**

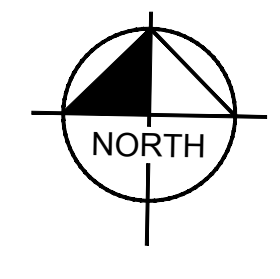
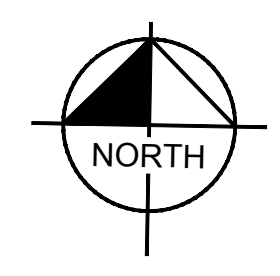
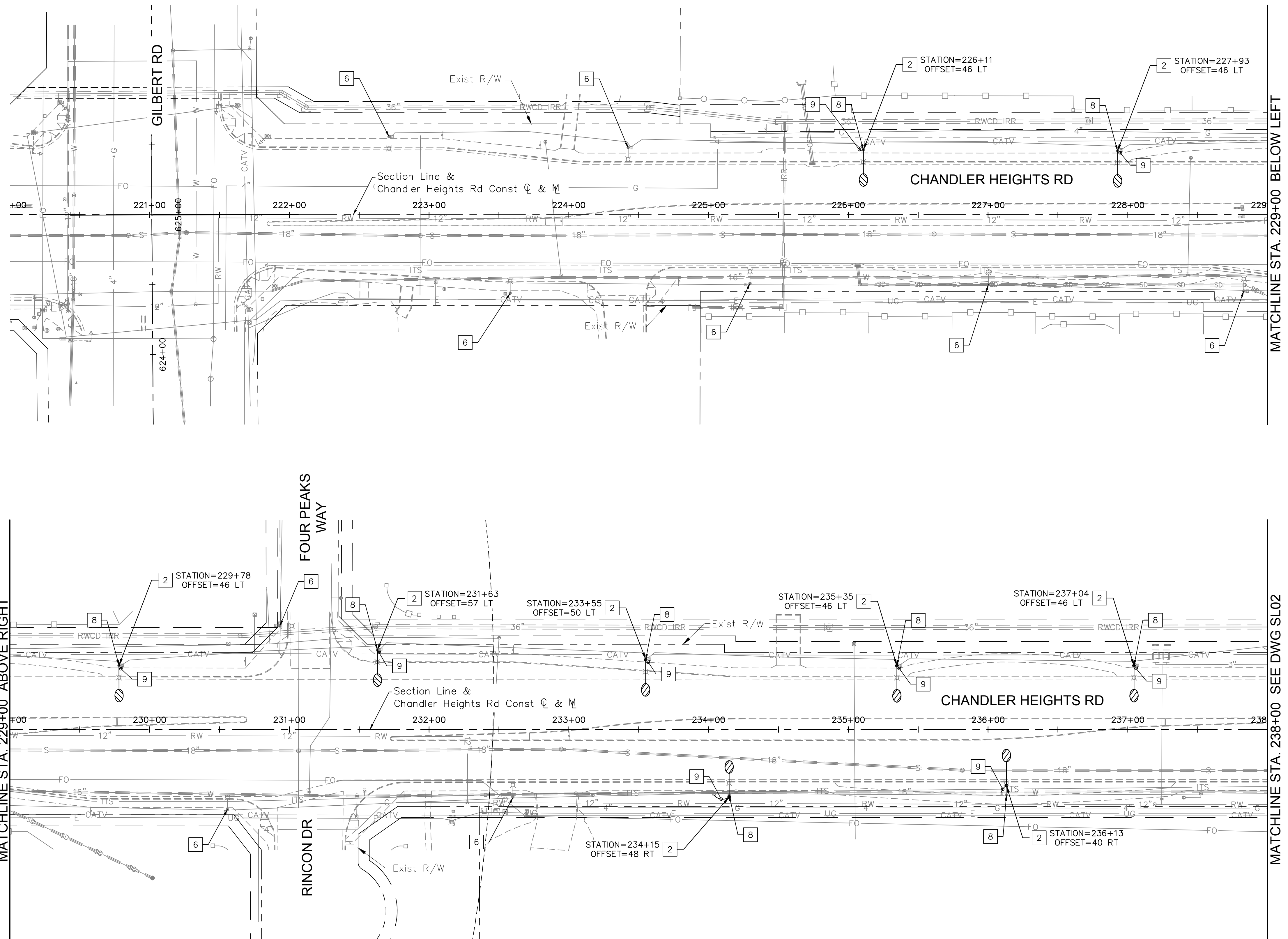
CITY PROJECT NO. ST1804.401 FEDERAL NO. CHN-0(244)D ADOT NO. T0203 01C
SHEET DWG IC07
76 OF 135



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

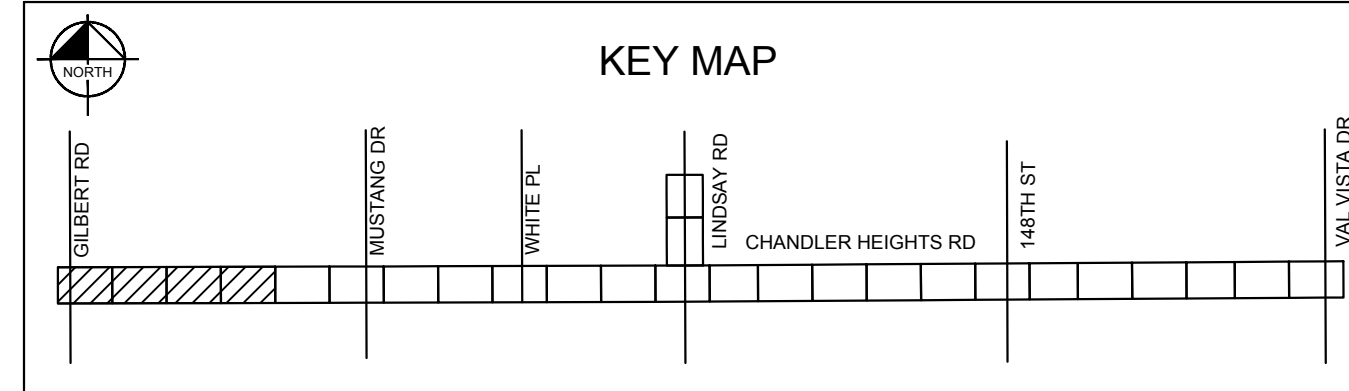


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MATCHLINE STA. 229+00 BELOW LEFT

MATCHLINE STA. 238+00 SEE DWG SL02



CONSTRUCTION NOTES			
DESCRIPTION			
1	Furnish & Install Street Light 10" X 15" Junction Box Per City of Chandler Detail No. C-757-3	0	EA
2	Furnish & Install 93 Watt Type II LED Luminaire (GE ERL1-0-12-E5-40), Pole, Single Davit Mast Arm And Foundation Per COC TDM #6, Std SL-1, SL-2, And SL-14A. Luminaire To Have 35'-6" Mounting Height.	9	EA
3	Remove Existing Luminaire. Furnish & Install 93 Watt Type II LED Luminaire (GE ERL1-0-12-E5-40) On Existing Pole And Connect For Complete System.	0	EA
4	Remove & Salvage Existing Pole, Fixture, Pull Box & Conductors, Abandon Conduit In Place, & Remove Existing Foundation Completely.	0	EA
5	Pole And LED Fixture Installed By Developer (See Project 18240).	0	EA
6	Existing Pole And LED Fixture To Remain In Place.	9	EA
7	Pole And LED Fixture Installed By Developer Old Stone Ranch	0	EA
8	Direct Bury Pole, Fixture And Mast Arm To Be Removed and Salvaged And Returned To The City Of Chandler.	9	EA
9	Furnish & Install New 1" Sch. 40 PVC Conduit From SRP Pull Box To New Street Light Pole.	45	LF

NO.	REVISIONS	DATE	BY

**Kimley»Horn**

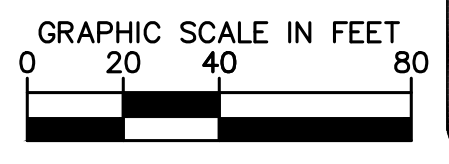
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 PHONE: 602-944-5500 FAX: 602-944-7423  
 WWW.KIMLEY-HORN.COM



SCALE (H):	1"=40'
SCALE (V):	N/A
DESIGNED BY:	MAC
DRAWN BY:	DTC
CHECKED BY:	PMS
DATE:	03/2024

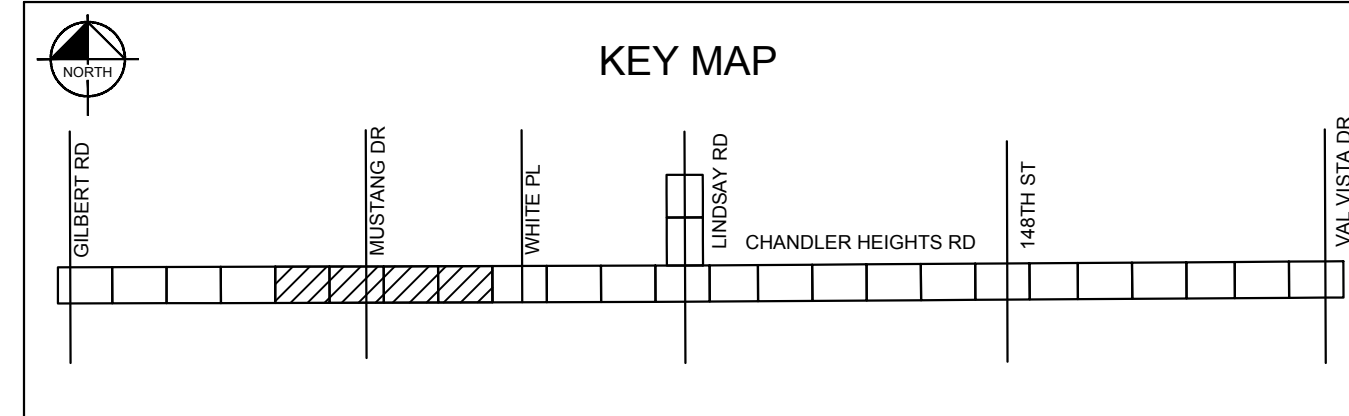
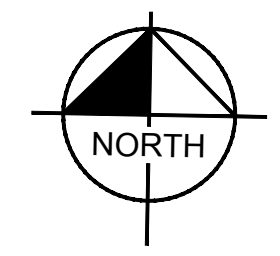
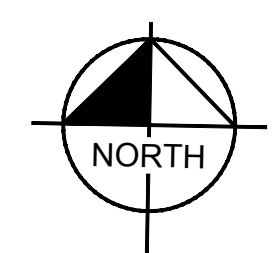
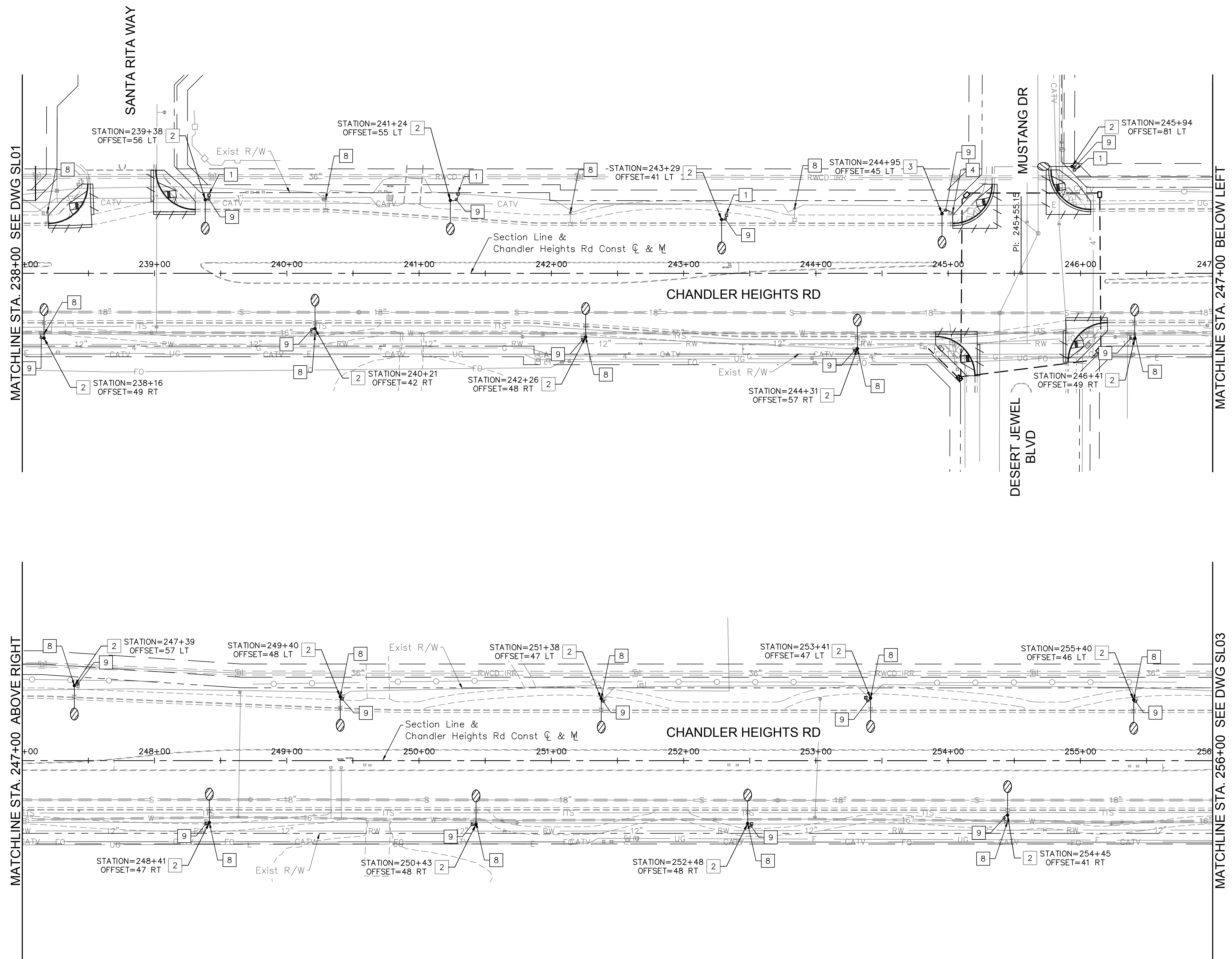
CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 STREET LIGHTING PLANS  
 STA 220+00 TO STA 238+00

CITY PROJECT NO.	ST 1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	SL01
78	OF 135



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted: E:\Modrak, Jackson\_Sheet\_Sett\CHANDLER HEIGHTS RD IMPROVEMENTS\_Layout\SL02\_March 05, 2024\_ 03:15:44pm k:\phx\_cadwork\191466010-chandler heights rd-gilbert to val\_vista\cadd\12-sheets\191466010\_SL02.dwg

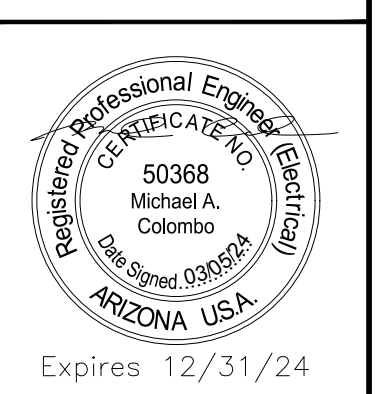


CONSTRUCTION NOTES			
DESCRIPTION			
1	Furnish & Install Street Light 10" X 15" Junction Box Per City of Chandler Detail No. C-757-3	4	EA
2	Furnish & Install 93 Watt Type II LED Luminaire (GE ERL1-0-12-E5-40), Pole, Single Davit Mast Arm And Foundation Per COC TDM #6, Std SL-1, SL-2, And SL-14A. Luminaire To Have 35'-6" Mounting Height.	17	EA
3	Remove Existing Luminaire. Furnish & Install 93 Watt Type II LED Luminaire (GE ERL1-0-12-E5-40) On Existing Pole And Connect For Complete System.	1	EA
4	Remove & Salvage Existing Pole, Fixture, Pull Box & Conductors, Abandon Conduit In Place, & Remove Existing Foundation Completely.	1	EA
5	Pole And LED Fixture Installed By Developer (See Project 18240).	0	EA
6	Existing Pole And LED Fixture To Remain In Place.	0	EA
7	Pole And LED Fixture Installed By Developer Old Stone Ranch	0	EA
8	Direct Bury Pole, Fixture And Mast Arm To Be Removed and Salvaged And Returned To The City Of Chandler.	18	EA
9	Furnish & Install New 1" Sch. 40 PVC Conduit From SRP Pull Box To New Street Light Pole.	95	LF

NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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 7740 N. 16th STREET, SUITE 300, PHOENIX, AZ 85020  
 PHONE: 602-944-5500 FAX: 602-944-7423  
 WWW.KIMLEY-HORN.COM



SCALE (H):	1"=40'
SCALE (V):	N/A
DESIGNED BY:	MAC
DRAWN BY:	DTC
CHECKED BY:	PMS
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 STREET LIGHTING PLANS  
 STA 238+00 TO STA 256+00

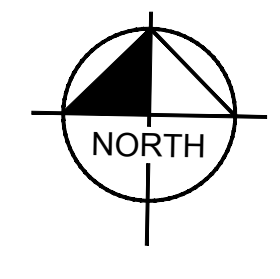
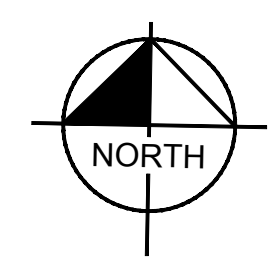
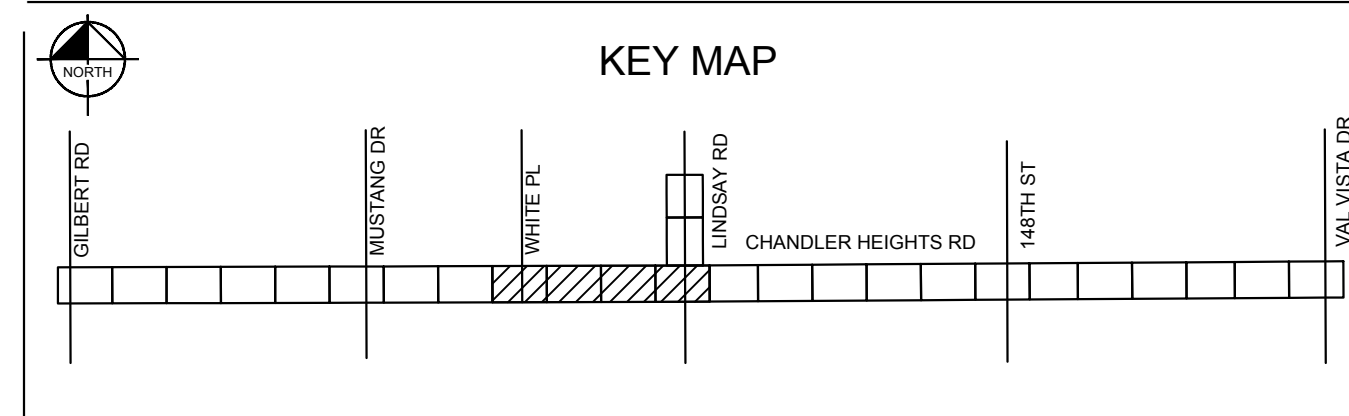
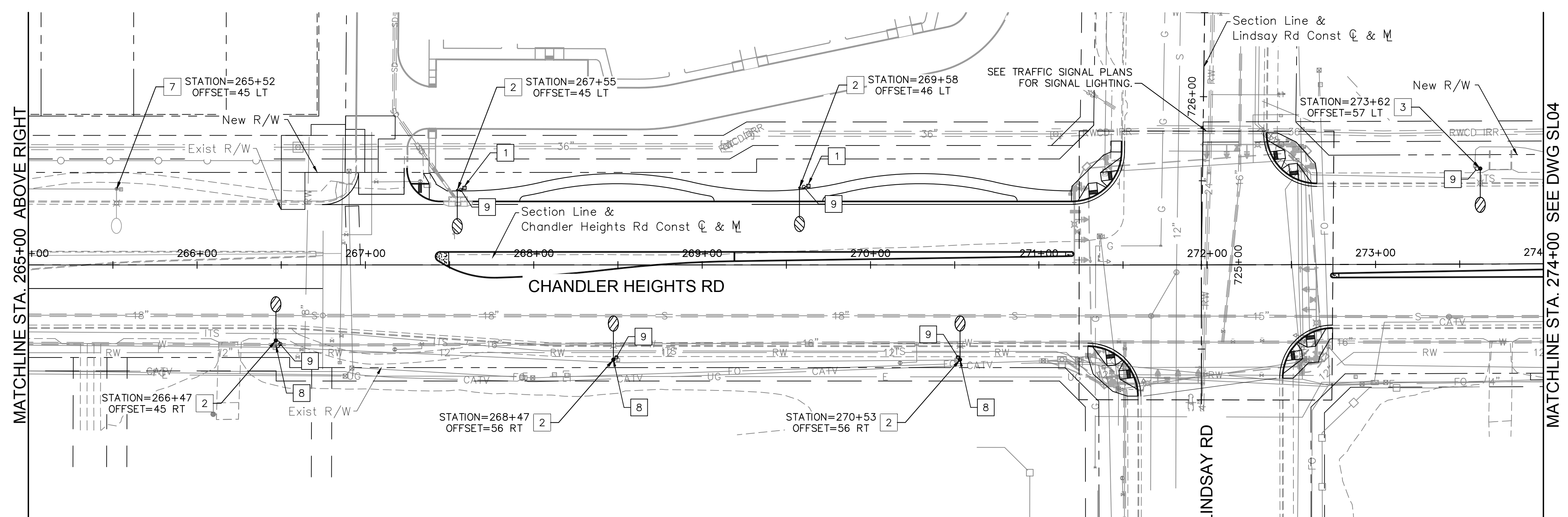
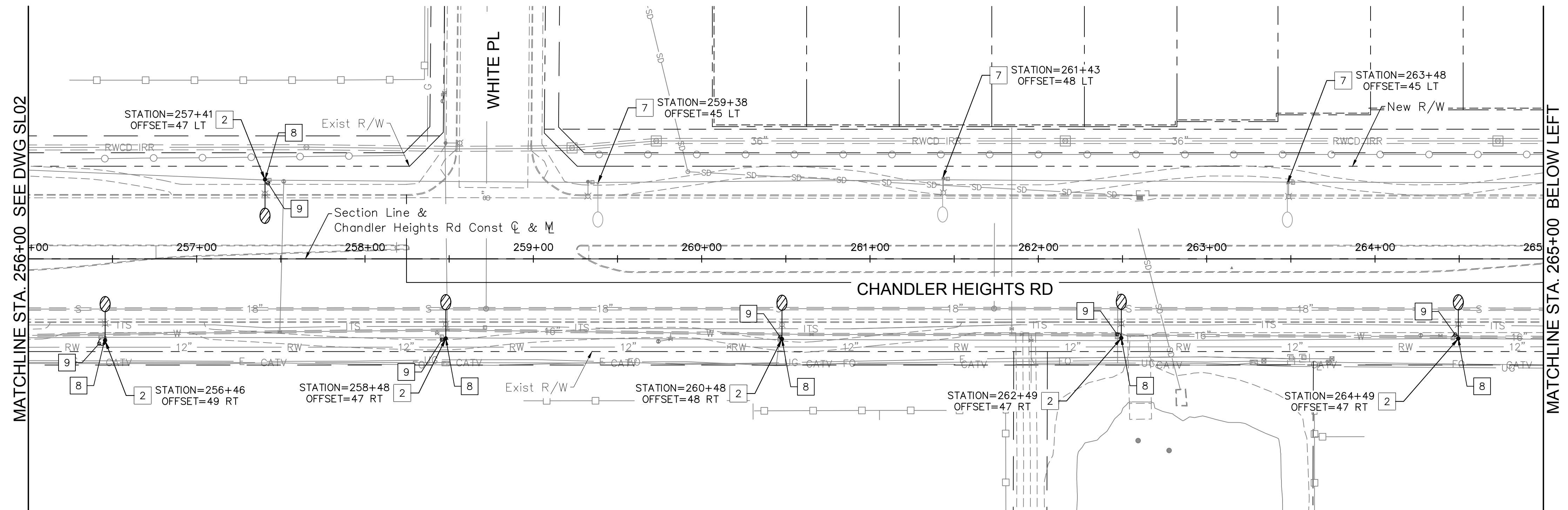
CITY PROJECT NO.	ST 1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	SL02
79 OF 135	



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS



Plotted: E:\m\proj\chandler\_heights\_rd\_improvements\layout\sl03.dwg March 05, 2024 03:16:14pm K:\pdx\_roadwork\191466010-chandler\_heights\_rd-gilbert.tbl 191466010-sl03.dwg



CONSTRUCTION NOTES			
DESCRIPTION			
1	Furnish & Install Street Light 10" X 15" Junction Box Per City of Chandler Detail No. C-757-3	2	EA
2	Furnish & Install 93 Watt Type II LED Luminaire (GE ERL1-0-12-E5-40), Pole, Single Davit Mast Arm And Foundation Per COC TDM #6, Std SL-1, SL-2, And SL-14A. Luminaire To Have 35'-6" Mounting Height.	11	EA
3	Remove Existing Luminaire. Furnish & Install 93 Watt Type II LED Luminaire (GE ERL1-0-12-E5-40) On Existing Pole And Connect For Complete System.	1	EA
4	Remove & Salvage Existing Pole, Fixture, Pull Box & Conductors, Abandon Conduit In Place, & Remove Existing Foundation Completely.	0	EA
5	Pole And LED Fixture Installed By Developer (See Project 18240).	0	EA
6	Existing Pole And LED Fixture To Remain In Place.	0	EA
7	Pole And LED Fixture Installed By Developer Old Stone Ranch	4	EA
8	Direct Bury Pole, Fixture And Mast Arm To Be Removed and Salvaged And Returned To The City Of Chandler.	9	EA
9	Furnish & Install New 1" Sch. 40 PVC Conduit From SRP Pull Box To New Street Light Pole.	45	LF

NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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 PHONE: 602-944-5500 FAX: 602-944-7423  
 WWW.KIMLEY-HORN.COM

SCALE (H):	1"=40'
SCALE (V):	N/A
DESIGNED BY:	MAC
DRAWN BY:	DTC
CHECKED BY:	PMS
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 STREET LIGHTING PLANS  
 STA 256+00 TO STA 274+00

CITY PROJECT NO.	ST 1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	TO203.01C
SHEET DWG	SL03
80 OF 135	

Call at least two full working days before you begin excavation.

Dial 8-1-1 or 1-800-STAKE-IT (762-9349) in Maricopa County (602) 253-1100

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

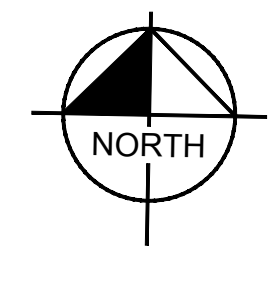
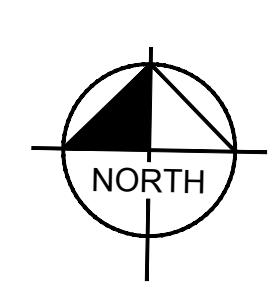
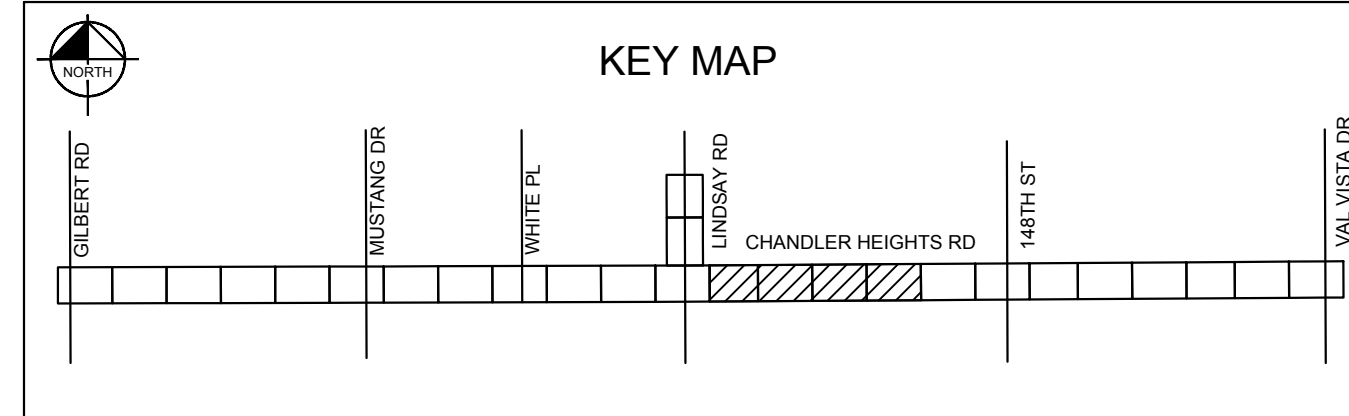
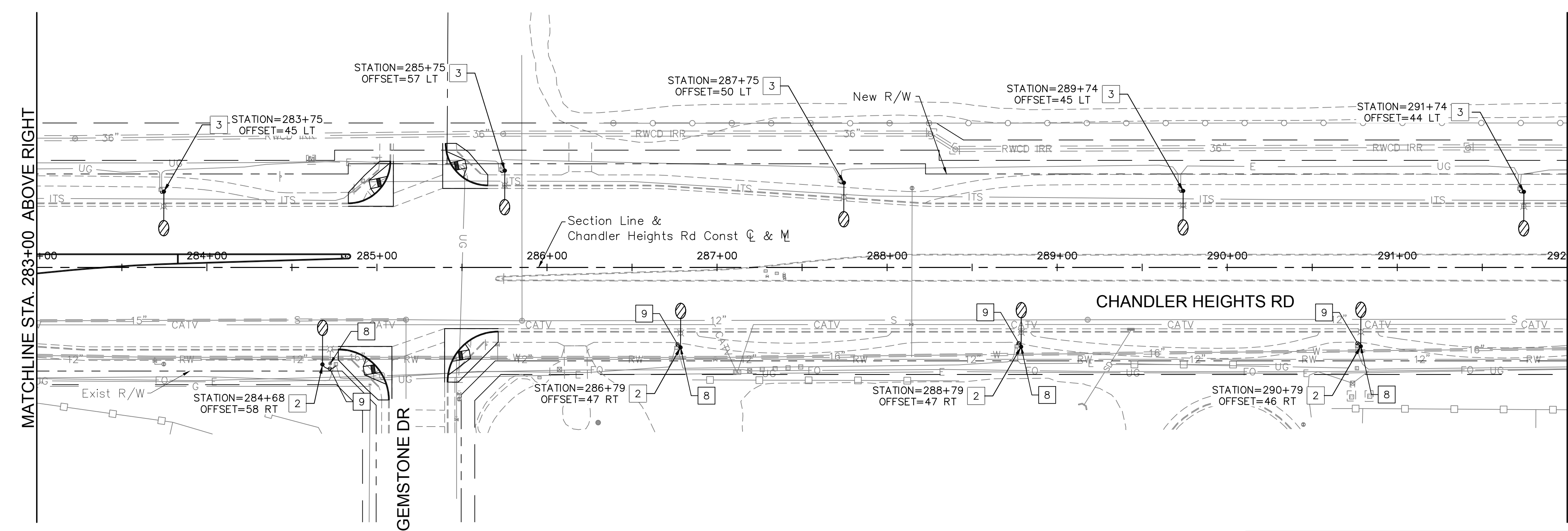
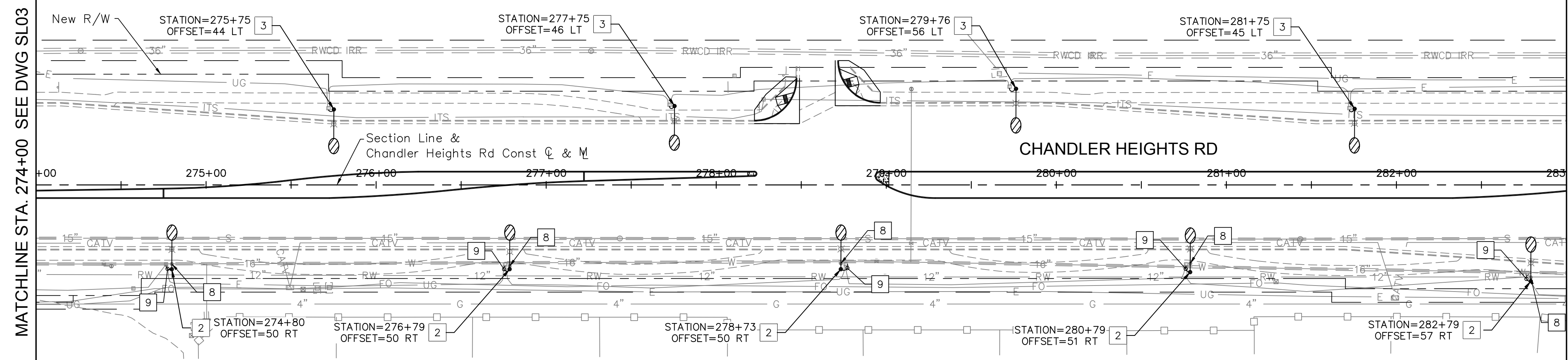
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MATCHLINE STA. 274+00 SEE DWG SL03

MATCHLINE STA. 283+00 ABOVE RIGHT

MATCHLINE STA. 283+00 BELOW LEFT

MATCHLINE STA. 292+00 SEE DWG SL05



CONSTRUCTION NOTES		
DESCRIPTION	QTY	UNIT
1 Furnish & Install Street Light 10" X 15" Junction Box Per City of Chandler Detail No. C-757-3	0	EA
2 Furnish & Install 93 Watt Type II LED Luminaire (GE ERL1-0-12-E5-40), Pole, Single Davit Mast Arm And Foundation Per COC TDM #6, Std SL-1, SL-2, And SL-14A. Luminaire To Have 35'-6" Mounting Height.	9	EA
3 Remove Existing Luminaire. Furnish & Install 93 Watt Type II LED Luminaire (GE ERL1-0-12-E5-40) On Existing Pole And Connect For Complete System.	9	EA
4 Remove & Salvage Existing Pole, Fixture, Pull Box & Conductors, Abandon Conduit In Place, & Remove Existing Foundation Completely.	0	EA
5 Pole And LED Fixture Installed By Developer (See Project 18240).	0	EA
6 Existing Pole And LED Fixture To Remain In Place.	0	EA
7 Pole And LED Fixture Installed By Developer Old Stone Ranch	0	EA
8 Direct Bury Pole, Fixture And Mast Arm To Be Removed and Salvaged And Returned To The City Of Chandler.	9	EA
9 Furnish & Install New 1" Sch. 40 PVC Conduit From SRP Pull Box To New Street Light Pole.	45	LF

NO.	REVISIONS	DATE	BY

**Kimley»Horn**

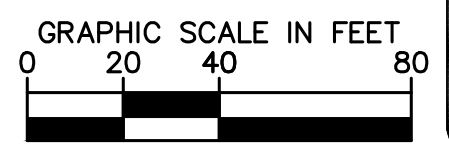
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 PHONE: 602-944-5500 FAX: 602-944-7423  
 WWW.KIMLEY-HORN.COM

SCALE (H):	1"=40'
SCALE (V):	N/A
DESIGNED BY:	MAC
DRAWN BY:	DTC
CHECKED BY:	PMS
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 STREET LIGHTING PLANS  
 STA 274+00 TO STA 292+00

CITY PROJECT NO. ST1804.401  
 FEDERAL NO. CHN-0(244)D  
 ADOT NO. T0203 01C

SHEET DWG SL04  
 81 OF 135

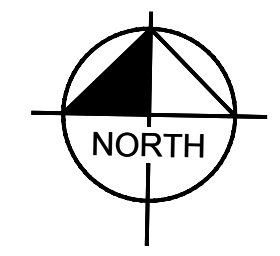
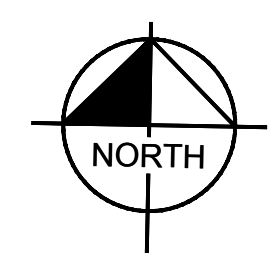
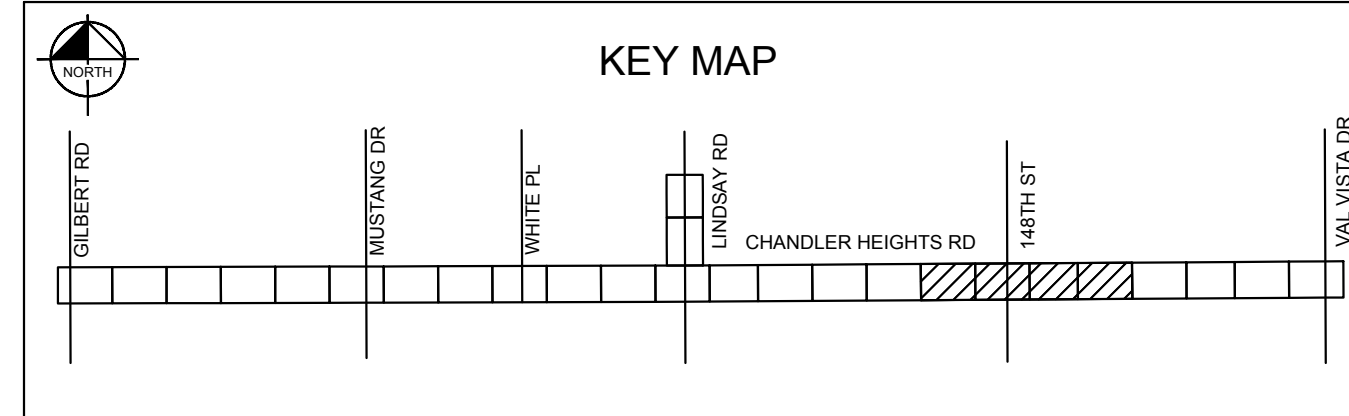
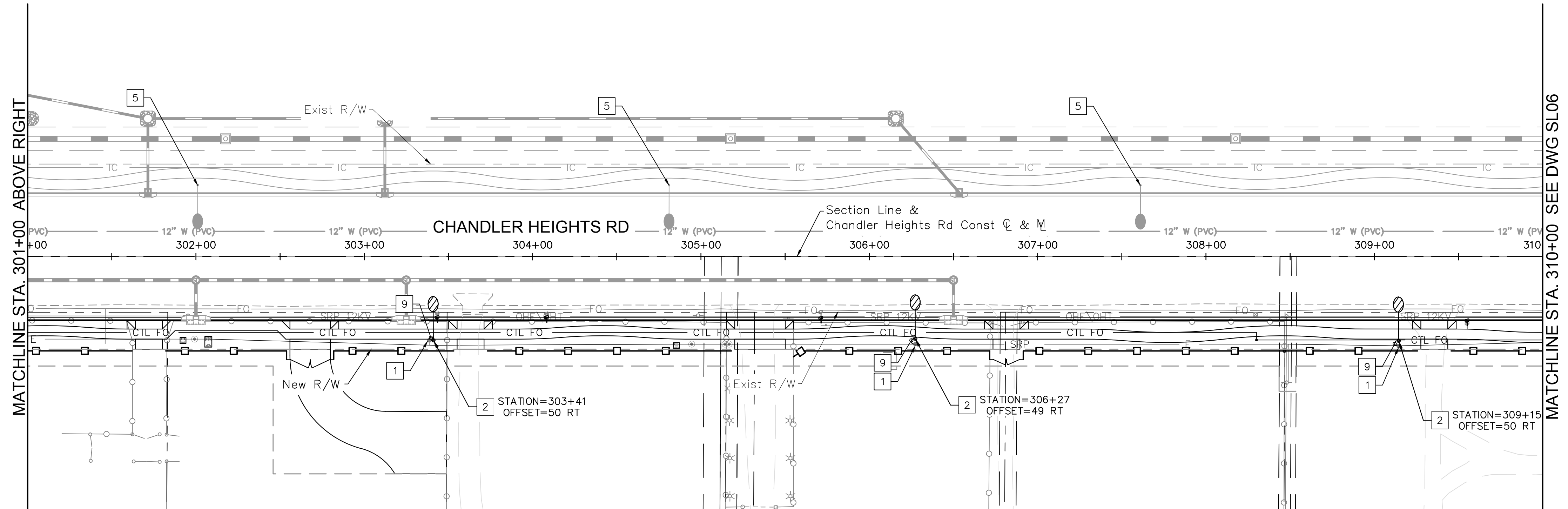
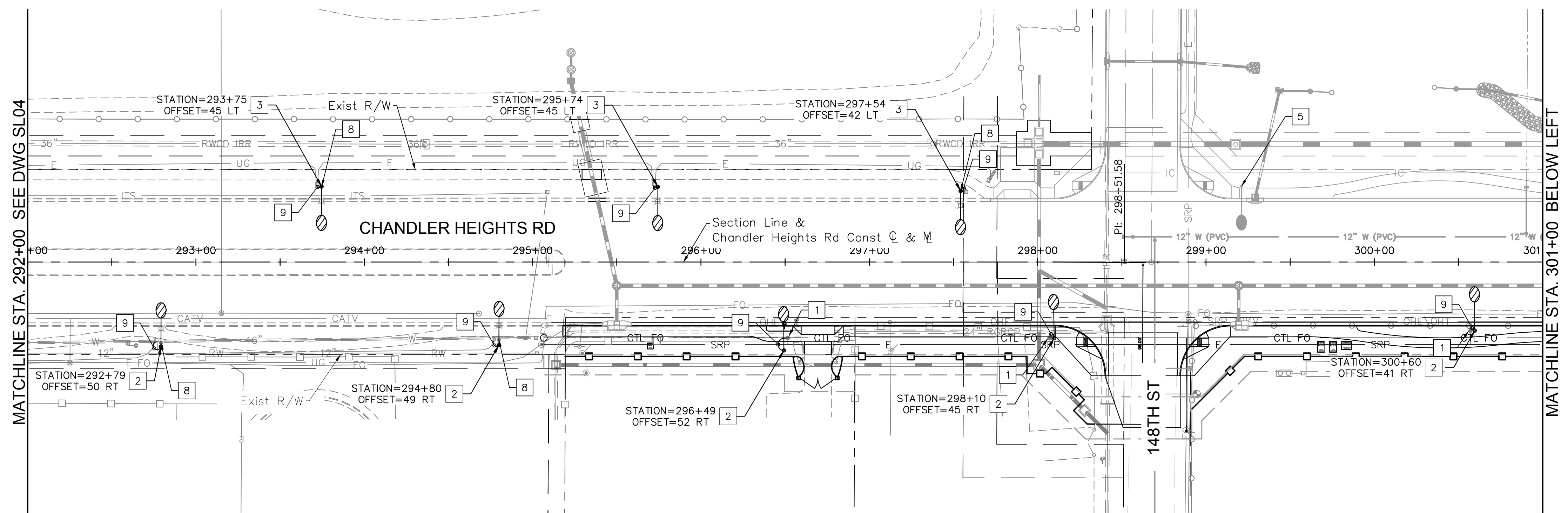


Call at least two full working days before you begin excavation.

ARIZONA 811  
 Dial 8-1-1 or 1-800-STAKE-IT (762-3349)  
 In Maricopa County (602) 253-1100

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

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CONSTRUCTION NOTES			
DESCRIPTION			
1	Furnish & Install Street Light 10" X 15" Junction Box Per City of Chandler Detail No. C-757-3	6	EA
2	Furnish & Install 93 Watt Type II LED Luminaire (GE ERL1-0-12-E5-40), Pole, Single Davit Mast Arm And Foundation Per COC TDM #6, Std SL-1, SL-2, And SL-14A. Luminaire To Have 35'-6" Mounting Height.	8	EA
3	Remove Existing Luminaire. Furnish & Install 93 Watt Type II LED Luminaire (GE ERL1-0-12-E5-40) On Existing Pole And Connect For Complete System.	3	EA
4	Remove & Salvage Existing Pole, Fixture, Pull Box & Conductors, Abandon Conduit In Place, & Remove Existing Foundation Completely.	0	EA
5	Pole And LED Fixture Installed By Developer (See Project 18240).	4	EA
6	Existing Pole And LED Fixture To Remain In Place.	0	EA
7	Pole And LED Fixture Installed By Developer Old Stone Ranch	0	EA
8	Direct Bury Pole, Fixture And Mast Arm To Be Removed and Salvaged And Returned To The City Of Chandler.	5	EA
9	Furnish & Install New 1" Sch. 40 PVC Conduit From SRP Pull Box To New Street Light Pole.	40	LF

NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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 WWW.KIMLEY-HORN.COM



SCALE (H):	1"=40'
SCALE (V):	N/A
DESIGNED BY:	MAC
DRAWN BY:	DTC
CHECKED BY:	PMS
DATE:	03/2024

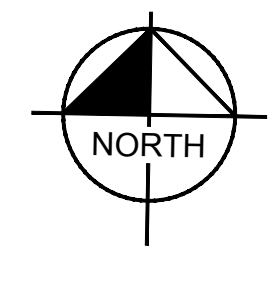
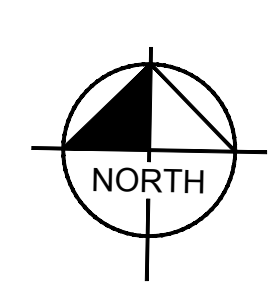
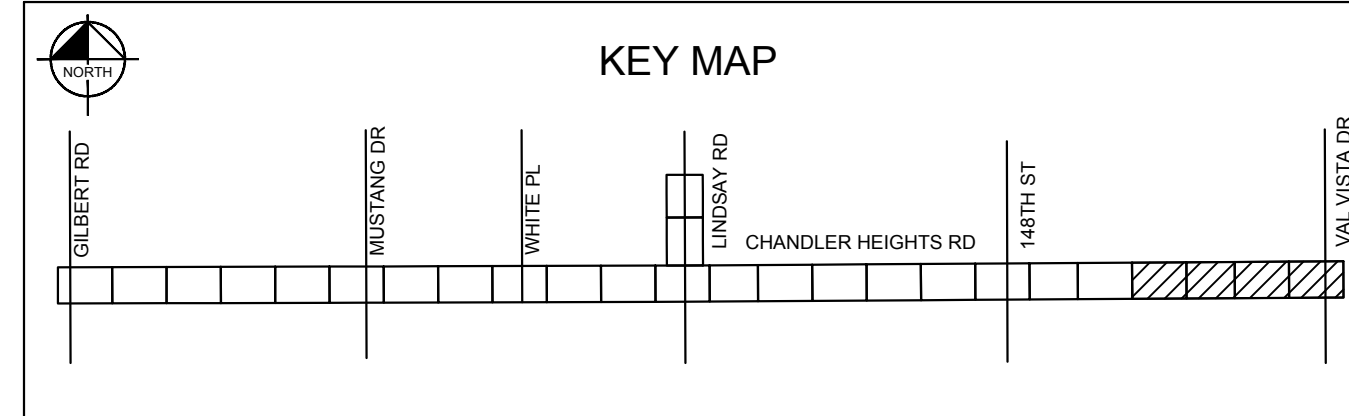
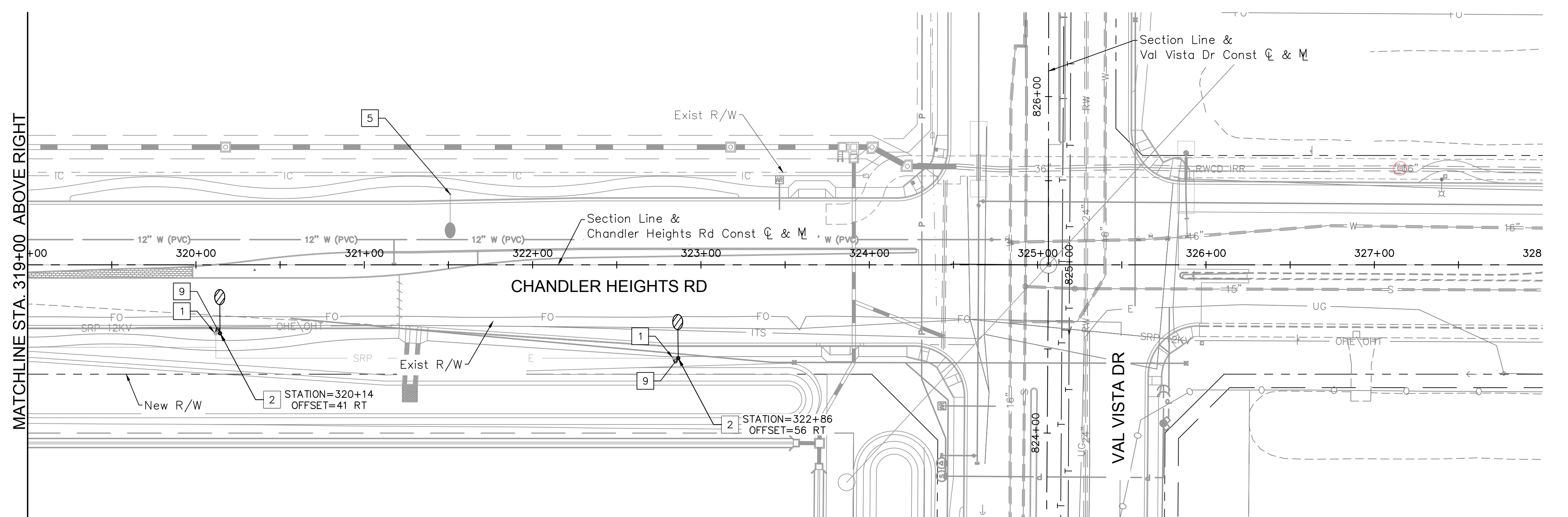
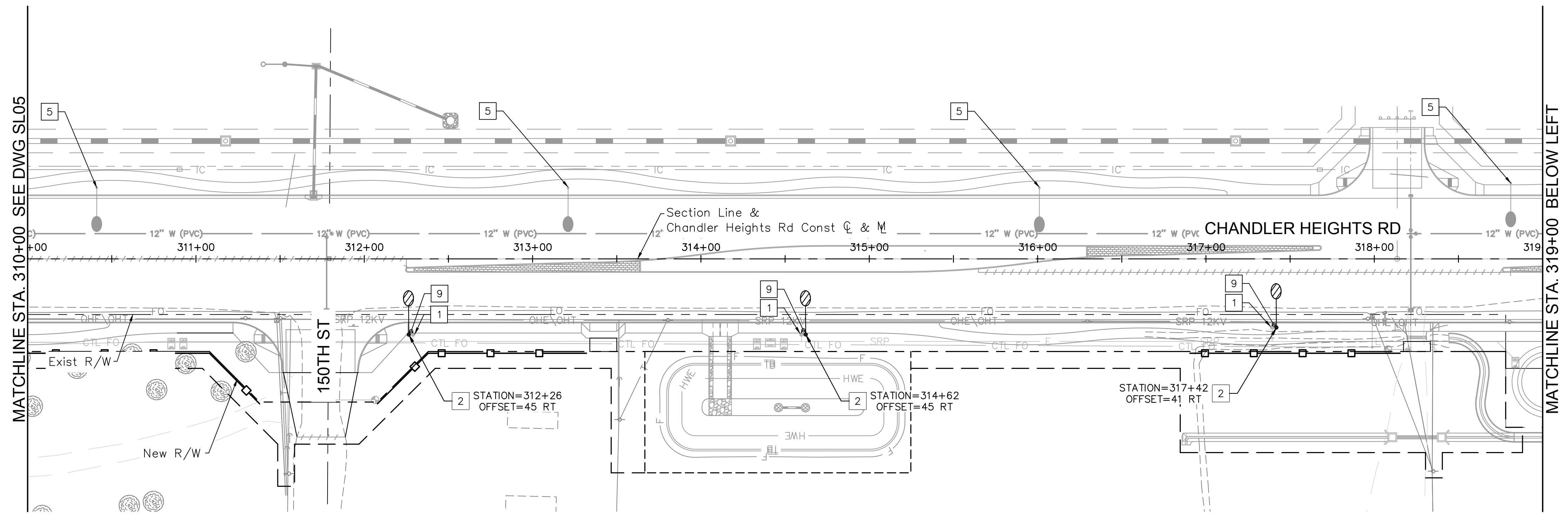
CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 STREET LIGHTING PLANS  
 STA 292+00 TO STA 310+00

CITY PROJECT NO. ST1804.401  
 FEDERAL NO. CHN-0(244)D  
 ADOT NO. T0203.01C

SHEET DWG SL05  
 82 OF 135

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: Modrak, Jackson Sheet: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: SL06 March 05, 2024 03:17:56pm k:\pdx\_coabwa\191466101-chandler\_heights\_rd-gilbert-to\_val\_vista\_coab\12-sheets\191466101\_SL06.dwg



CONSTRUCTION NOTES			
DESCRIPTION			
1	Furnish & Install Street Light 10" X 15" Junction Box Per City of Chandler Detail No. C-757-3	5	EA
2	Furnish & Install 93 Watt Type II LED Luminaire (GE ERL1-0-12-E5-40), Pole, Single Davit Mast Arm And Foundation Per COC TDM #6, Std SL-1, SL-2, And SL-14A. Luminaire To Have 35'-6" Mounting Height.	5	EA
3	Remove Existing Luminaire. Furnish & Install 93 Watt Type II LED Luminaire (GE ERL1-0-12-E5-40) On Existing Pole And Connect For Complete System.	0	EA
4	Remove & Salvage Existing Pole, Fixture, Pull Box & Conductors, Abandon Conduit In Place, & Remove Existing Foundation Completely.	0	EA
5	Pole And LED Fixture Installed By Developer (See Project 18240).	5	EA
6	Existing Pole And LED Fixture To Remain In Place.	0	EA
7	Pole And LED Fixture Installed By Developer Old Stone Ranch	0	EA
8	Direct Bury Pole, Fixture And Mast Arm To Be Removed and Salvaged And Returned To The City Of Chandler.	0	EA
9	Furnish & Install New 1" Sch. 40 PVC Conduit From SRP Pull Box To New Street Light Pole.	25	LF

NO.	REVISIONS	DATE	BY

**Kimley»Horn**

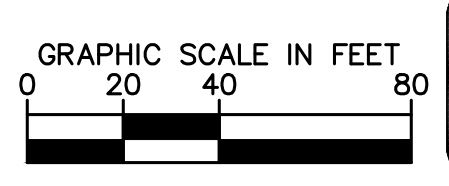
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 PHONE: 602-944-5500 FAX: 602-944-7423  
 WWW.KIMLEY-HORN.COM



SCALE (H):	1"=40'
SCALE (V):	N/A
DESIGNED BY:	MAC
DRAWN BY:	DTC
CHECKED BY:	PMS
DATE:	03/2024

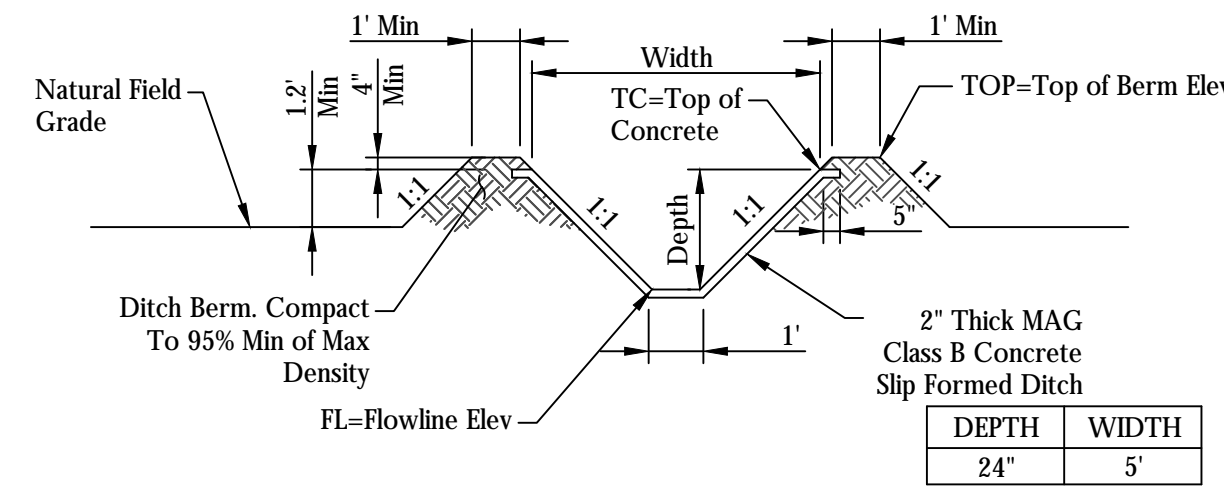
CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 STREET LIGHTING PLANS  
 STA 310+00 TO STA 328+00

CITY PROJECT NO.	ST 1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	SL06
83 OF 135	

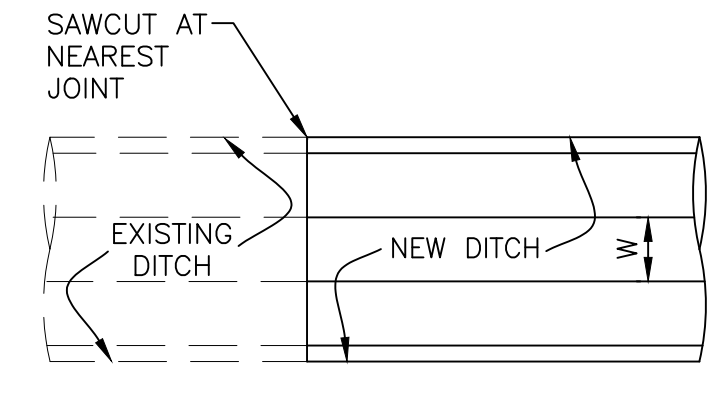


C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

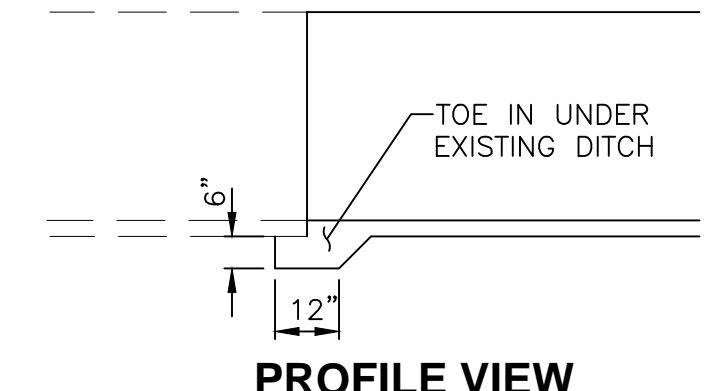
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**PRIVATE IRRIGATION DELIVERY DITCH**  
LOOKING EAST  
NTS

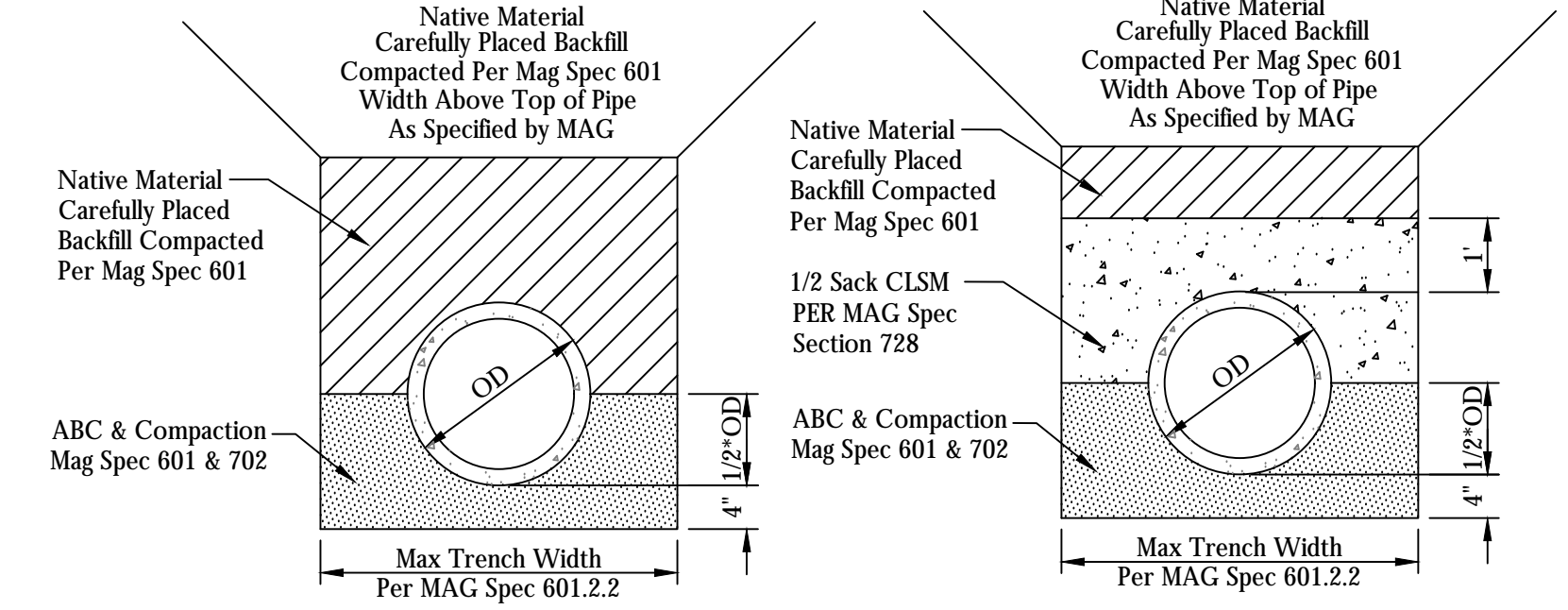


**PLAN VIEW**



**PROFILE VIEW**

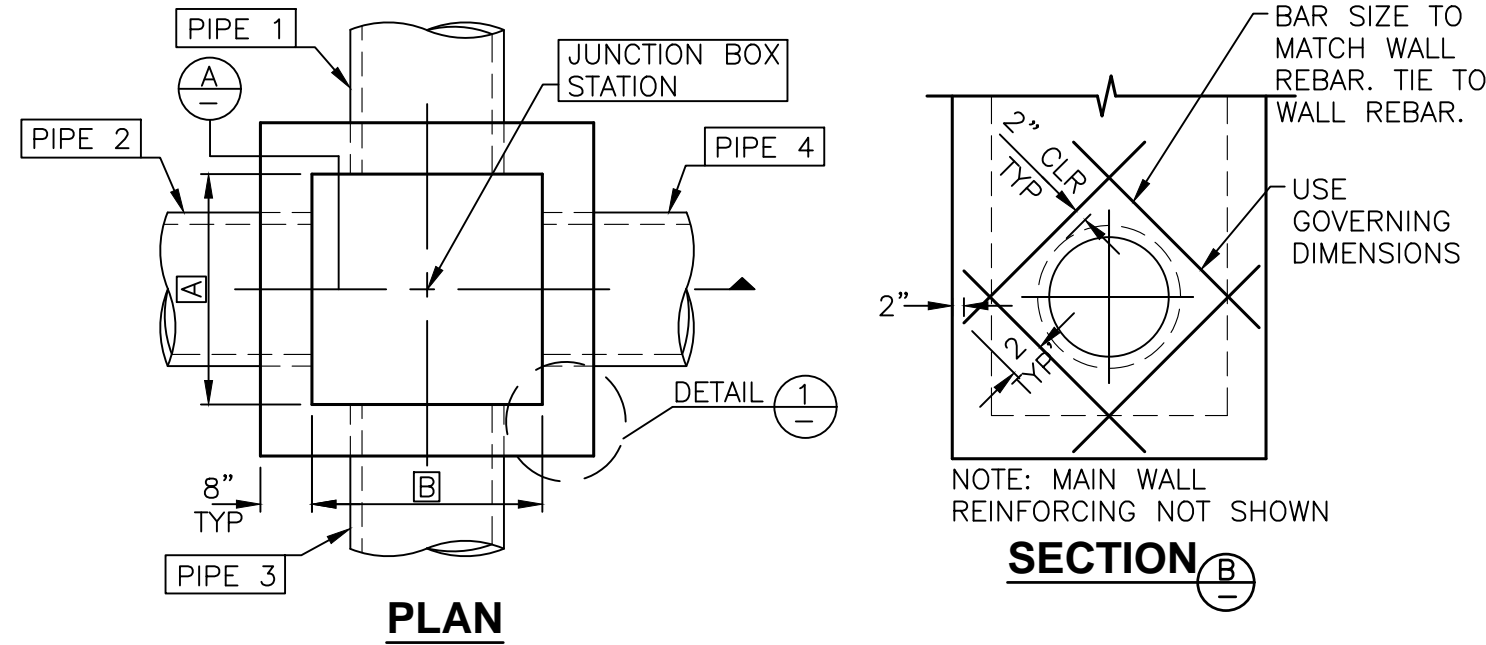
**CONCRETE DITCH TIE-IN**  
NTS



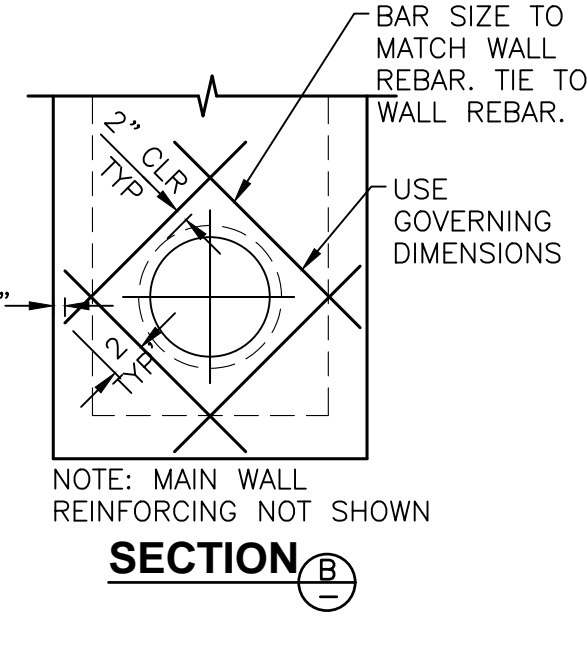
**CLASS B**

**SLURRY**

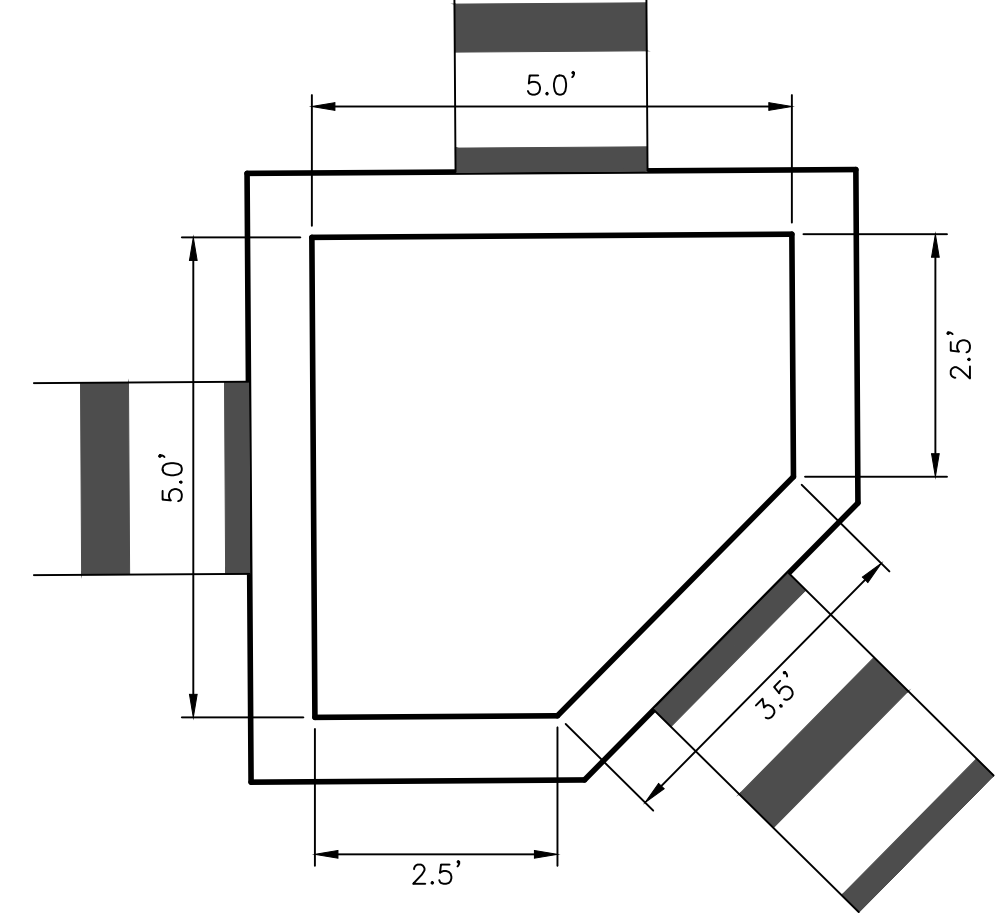
**CONCRETE PIPE BEDDING AND BACKFILL DETAILS**  
NTS



**PLAN**



**SECTION B**

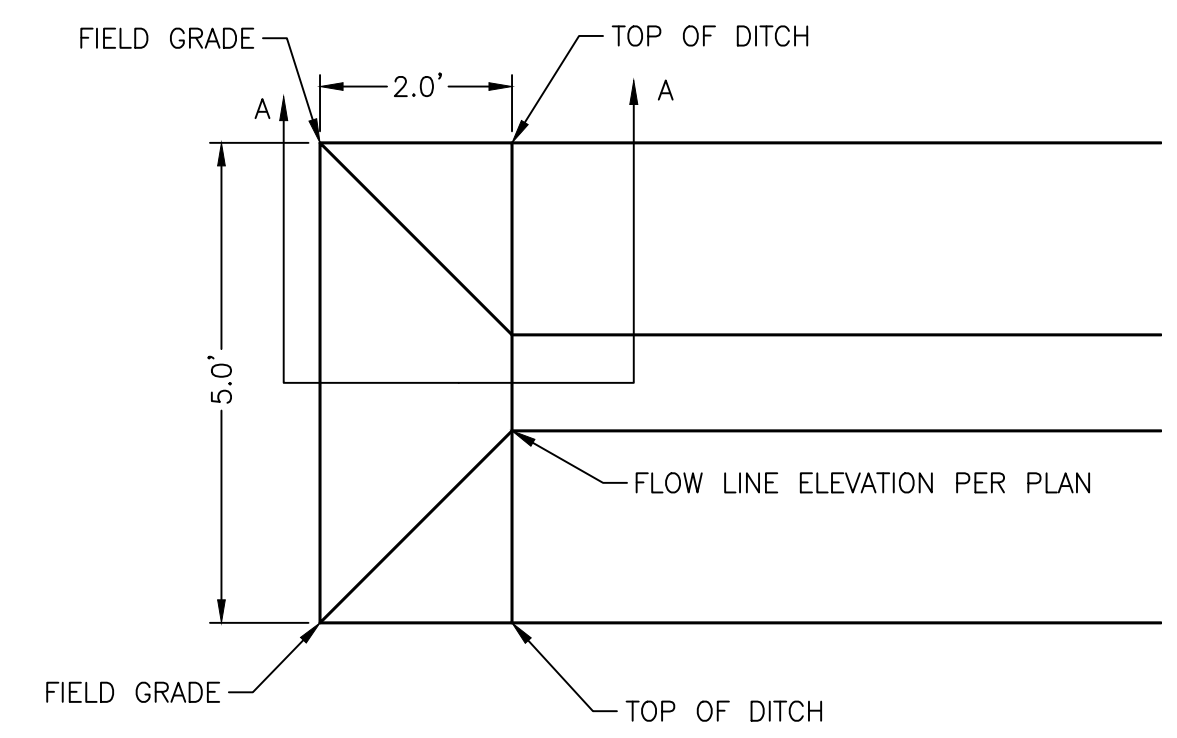


**JUNCTION BOX - MODIFIED**  
STA 298+00.80 61.00' RT

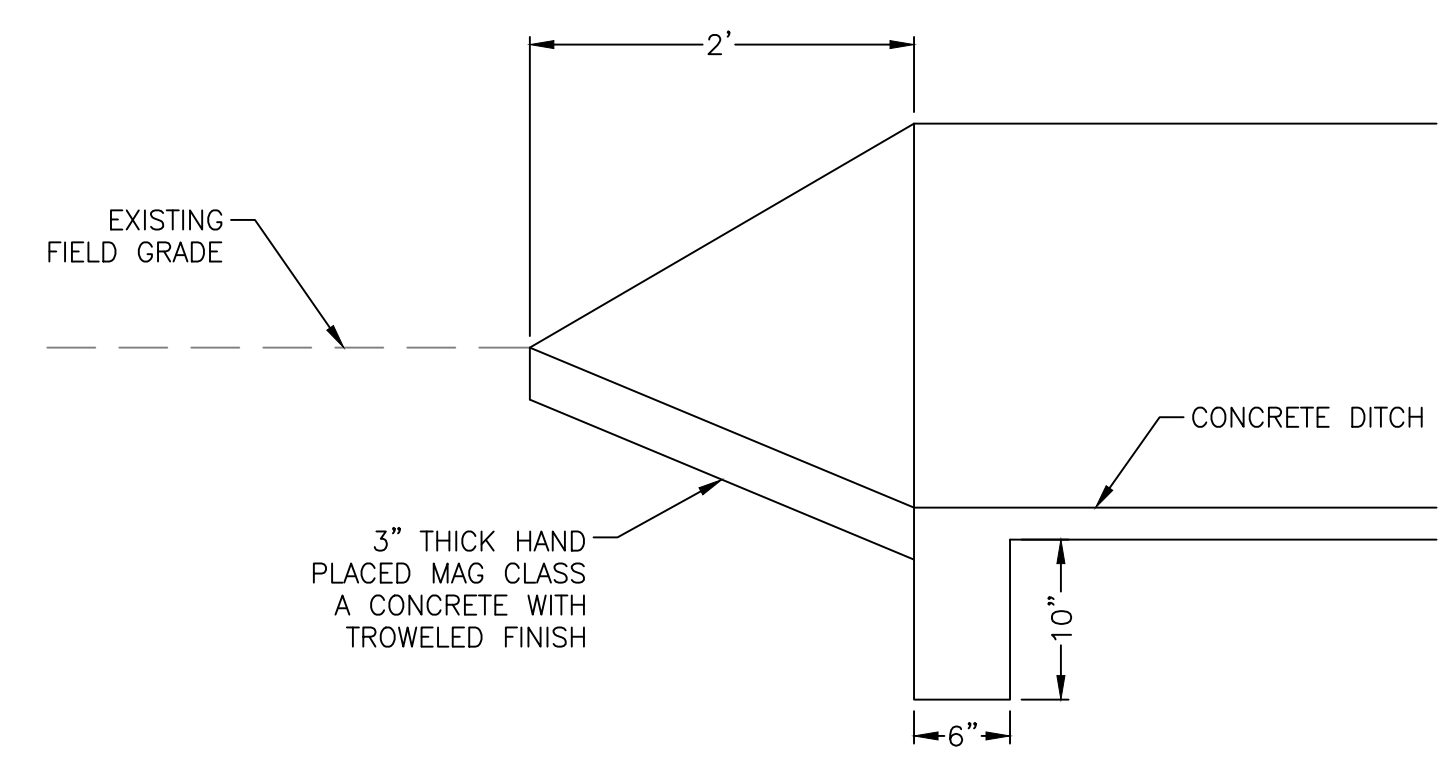
MINIMUM REQUIREMENTS		
WALL DIMENSION		REINFORCING STEEL
PIPE DIAMETER	A, B	
30" OR LESS	48"	#4 @ 12" OC HORIZONTAL AND VERTICAL IF C < 8' OR
36"	56"	OR
42"	62"	#5 @ 12" OC HORIZONTAL AND VERTICAL IF C ≥ 8'
48"	68"	
54" OR 60"	80"	
66" OR 72"	92"	
78" OR 84"	106"	

- NOTES:**
- STRUCTURAL CONCRETE SHALL BE MAG A, 3000 PSI @ 28 DAYS.
  - REINFORCING STEEL SHALL COMPLY WITH MAG SPEC 727.
  - SEE PLAN AND PROFILE DRAWING FOR CORRECT ORIENTATION OF JUNCTION BOX.
  - FIELD CUT REBAR AT PIPE.
  - CONCRETE SHALL BE PLACED WITH NO COLD JOINTS. ALL CONCRETE SHALL BE VIBRATED DURING PLACEMENT.
  - DIMENSIONS A AND B SHALL NOT EXCEED 106" AND DIMENSION C SHALL NOT EXCEED 180"
  - JUNCTION BOX BACKFILL SPECIFICATIONS SHALL BE PER ADJACENT TRENCH BACKFILL SPECIFICATIONS EXCEPT TO PROVIDE JETTED AB OR 1/2 SACK SLURRY UP TO THE SPRINGLINE OF PIPE OR AS DIRECTED BY INSPECTOR.

**JUNCTION BOX NOTES**

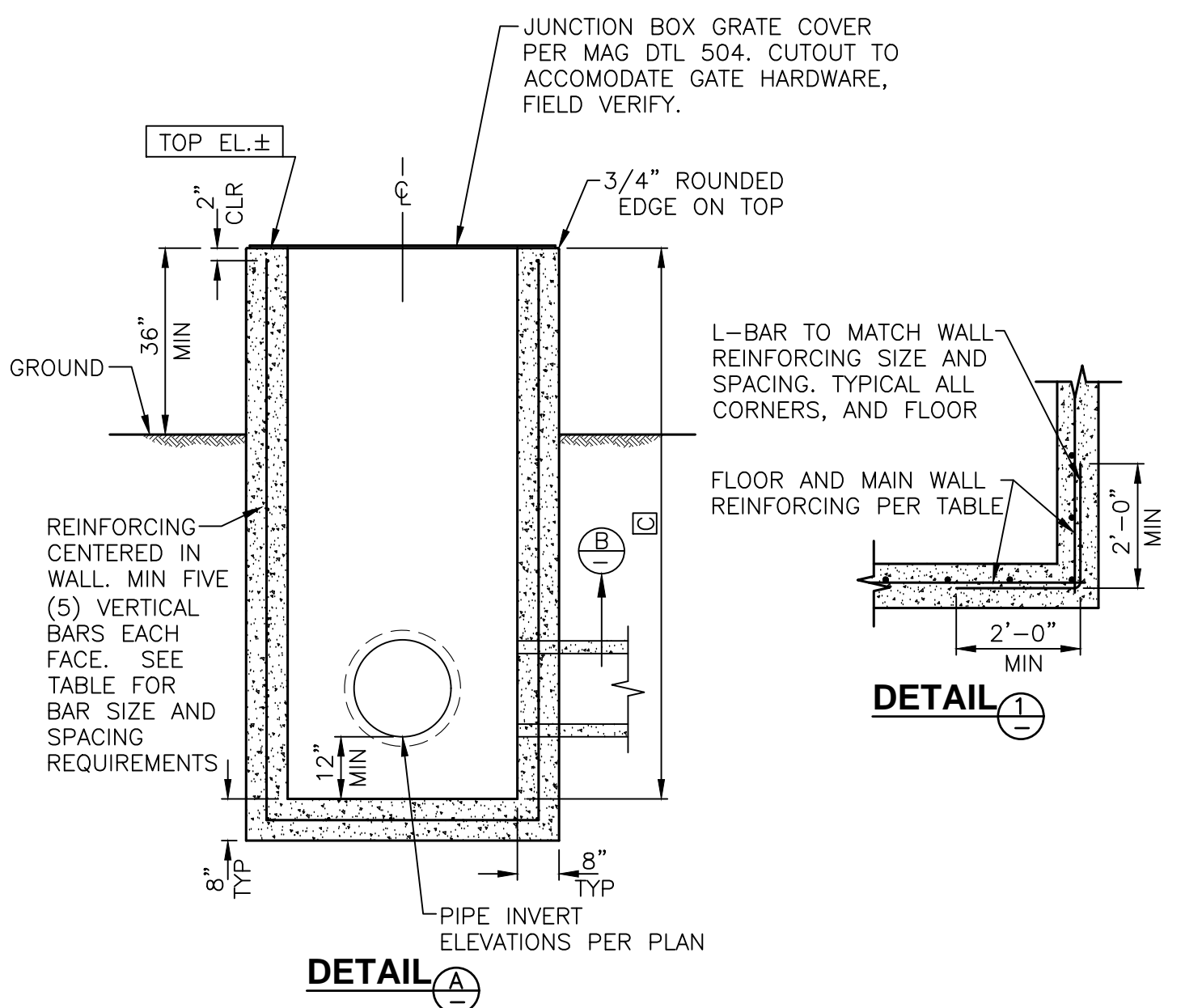


**PLANVIEW**



**PROFILE A-A**

**DITCH TERMINATION**



**DETAIL A**

**JUNCTION BOX**  
NTS

NO.	REVISIONS	DATE	BY

1130 N. Alma School Rd  
Mesa, AZ 85201  
T: 480.503.2250  
F: 480.503.2258  
www.epsgroupinc.com



SCALE (H):	1"=40'
SCALE (V):	1"=4'
DESIGNED BY:	FCC
DRAWN BY:	RW
CHECKED BY:	BJH
DATE:	11/2023

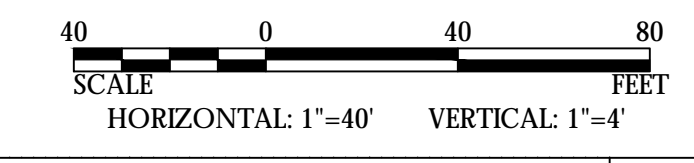
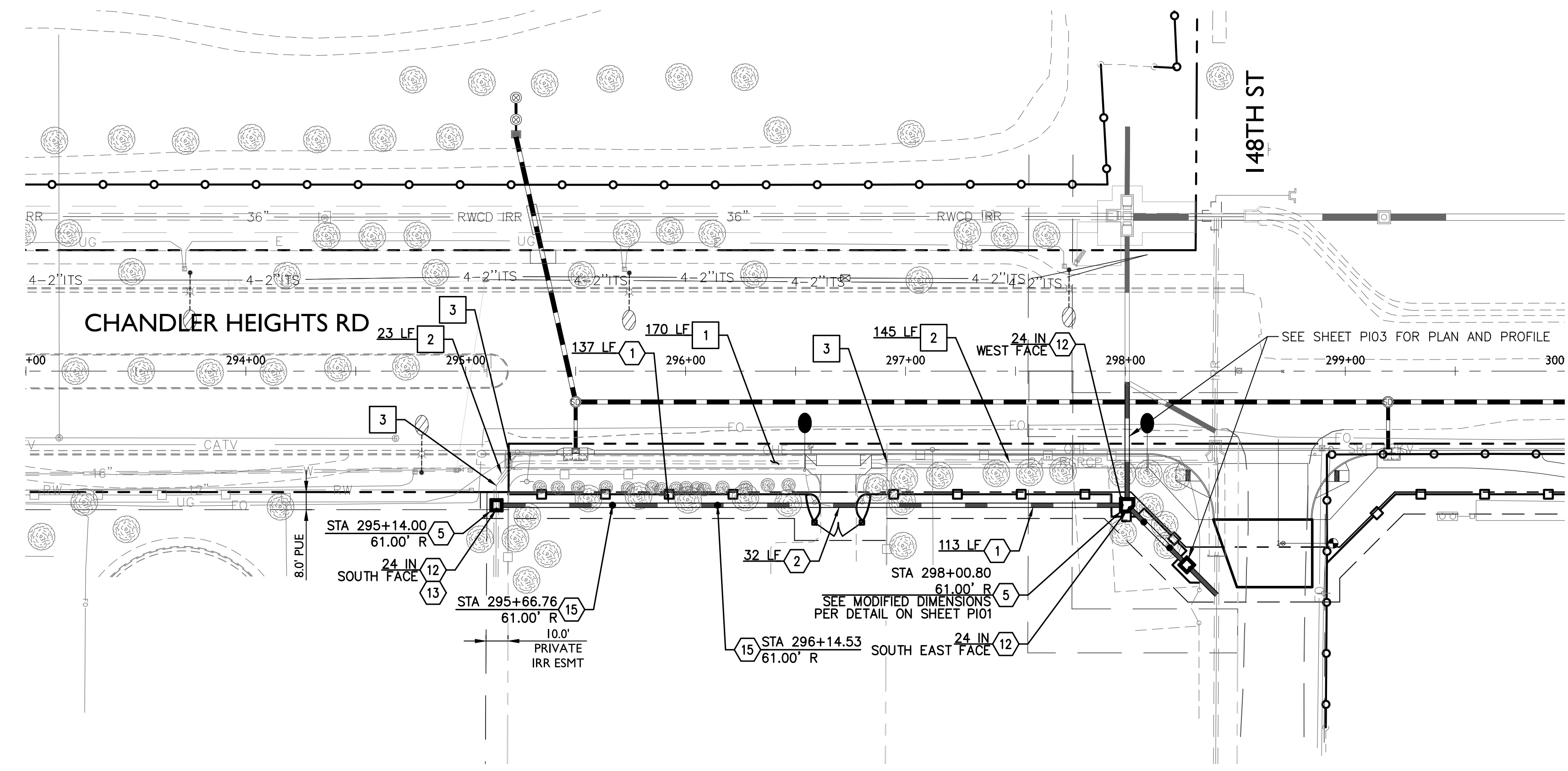
**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**PRIVATE IRRIGATION DETAILS**

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(24)D
ADOT NO.	T0203 01C
SHEET DWG	PI01
84 OF 135	



C.O.C. LOG NO. CIV 1-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: Felicia Curry Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: EPS February 15, 2024 09:59:55am S:\Projects\2018\18-241\Civil\Irrigation\Plan\18-241 - PI02.dwg



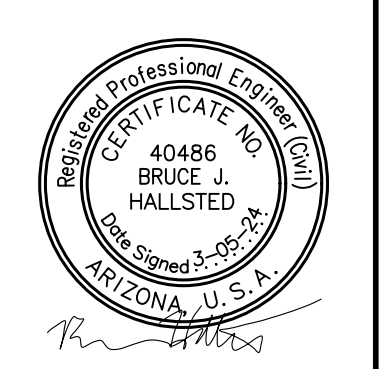
IRRIGATION NOTES		
1	24 INCH RGRCP CLASS III	250 LF
2	24 INCH RGRCP CLASS V	32 LF
5	JUNCTION BOX PER DETAIL ON SHEET PI01	2 EA
12	CONTROL GATE: WATERMAN C-10 SIZE PER PLAN	3 EA
13	SAWCUT EXISTING PIPE FLUSH WITH INSIDE WALL OF NEW STRUCTURE	NPI
15	12\"/>	

REMOVAL NOTES		
1	REMOVE EXISTING CONCRETE IRRIGATION DITCH, HAULOFF AND DISPOSE OF PROPERLY. BACKFILL WITH CLEAN NATIVE MATERIAL. COMPACT TO 95% (MIN) OF MAXIMUM DENSITY PER AASHTO T-99	170 LF
2	REMOVE EXISTING IRRIGATION PIPE, HAULOFF AND DISPOSE OF PROPERLY. BACKFILL WITH CLEAN NATIVE MATERIAL. COMPACT TO 95% (MIN) OF MAXIMUM DENSITY PER AASHTO T-99	168 LF
3	REMOVE EXISTING IRRIGATION JUNCTION BOX, HEADWALL OR MANHOLE AND DISPOSE OF PROPERLY. BACKFILL WITH CLEAN NATIVE MATERIAL. COMPACT TO 95% (MIN) OF MAXIMUM DENSITY PER AASHTO T-99.	3 EA

NO.	REVISIONS	DATE	BY

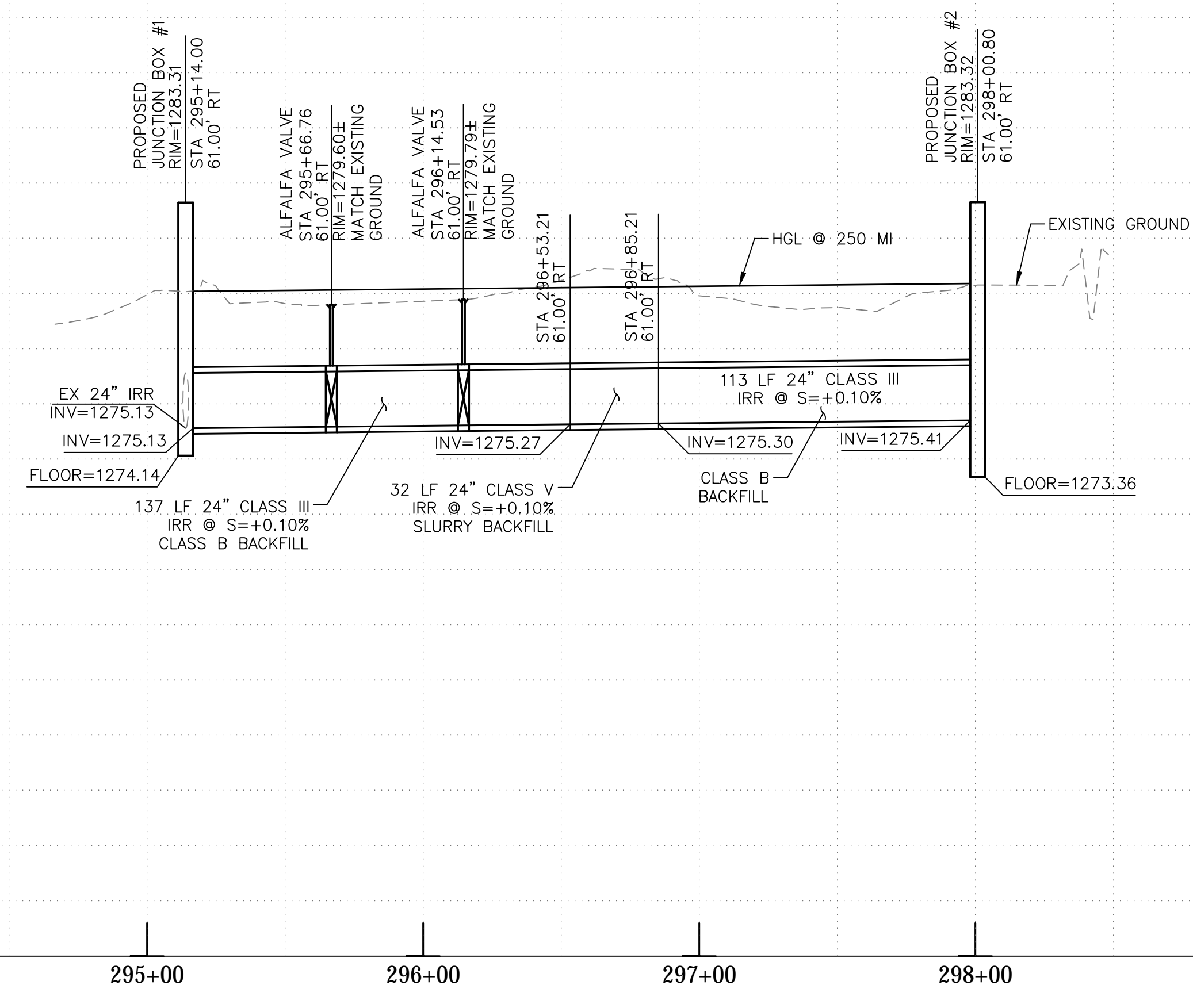
1130 N. Alma School Rd  
 Mesa, AZ 85201  
 T: 480.503.2250  
 F: 480.503.2258  
 www.epsgroupinc.com



SCALE (H):	1"=40'
SCALE (V):	1"=4'
DESIGNED BY:	FCC
DRAWN BY:	RW
CHECKED BY:	BJH
DATE:	11/2023

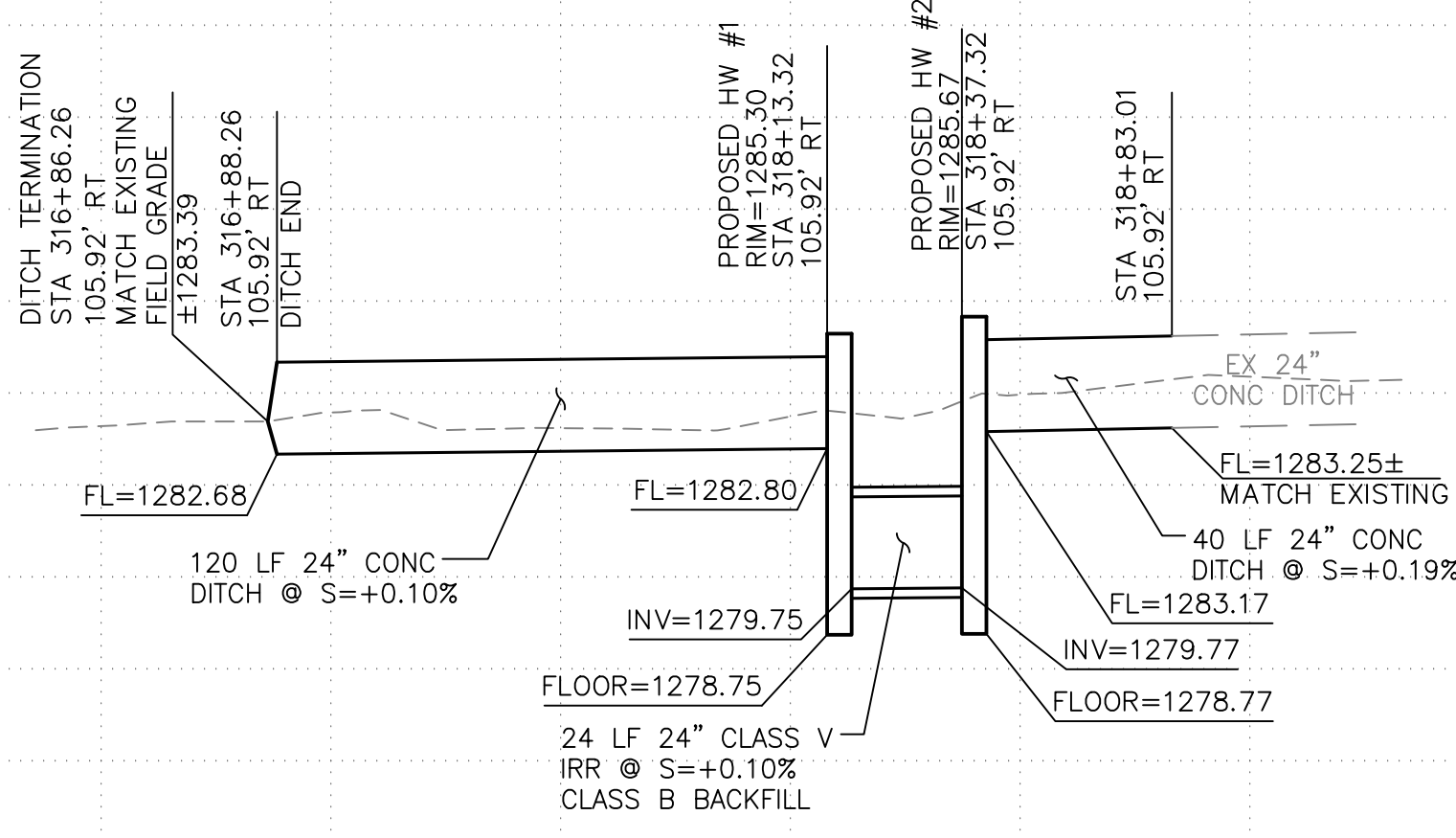
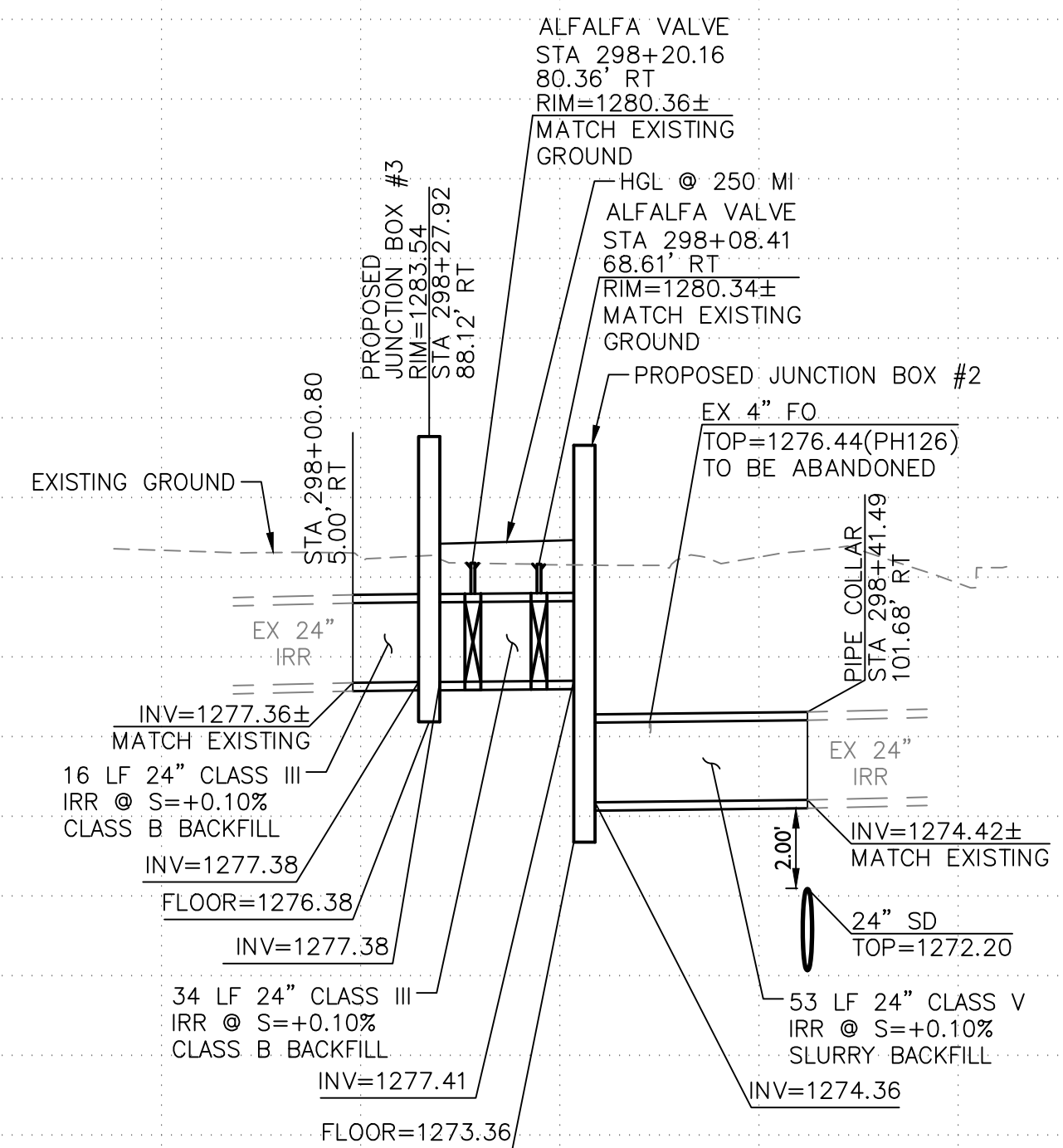
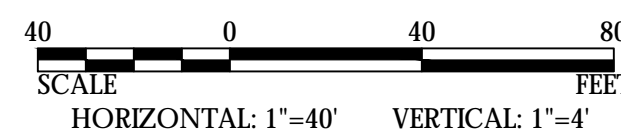
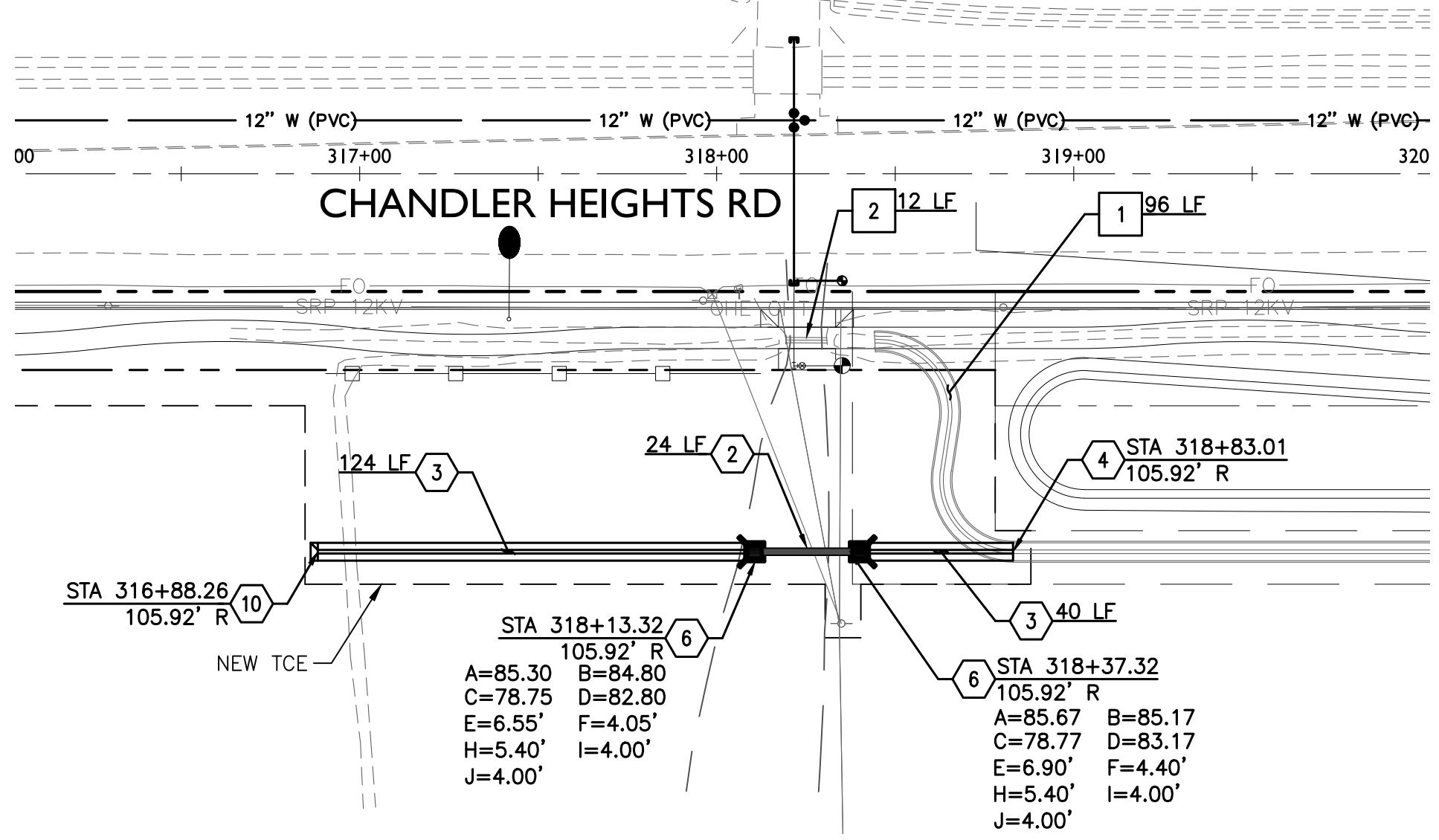
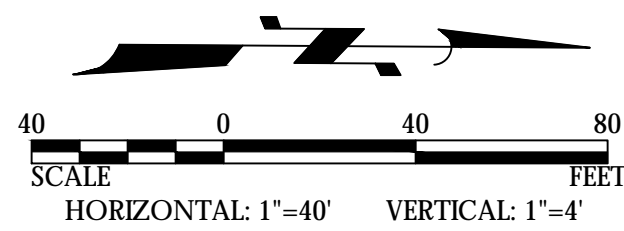
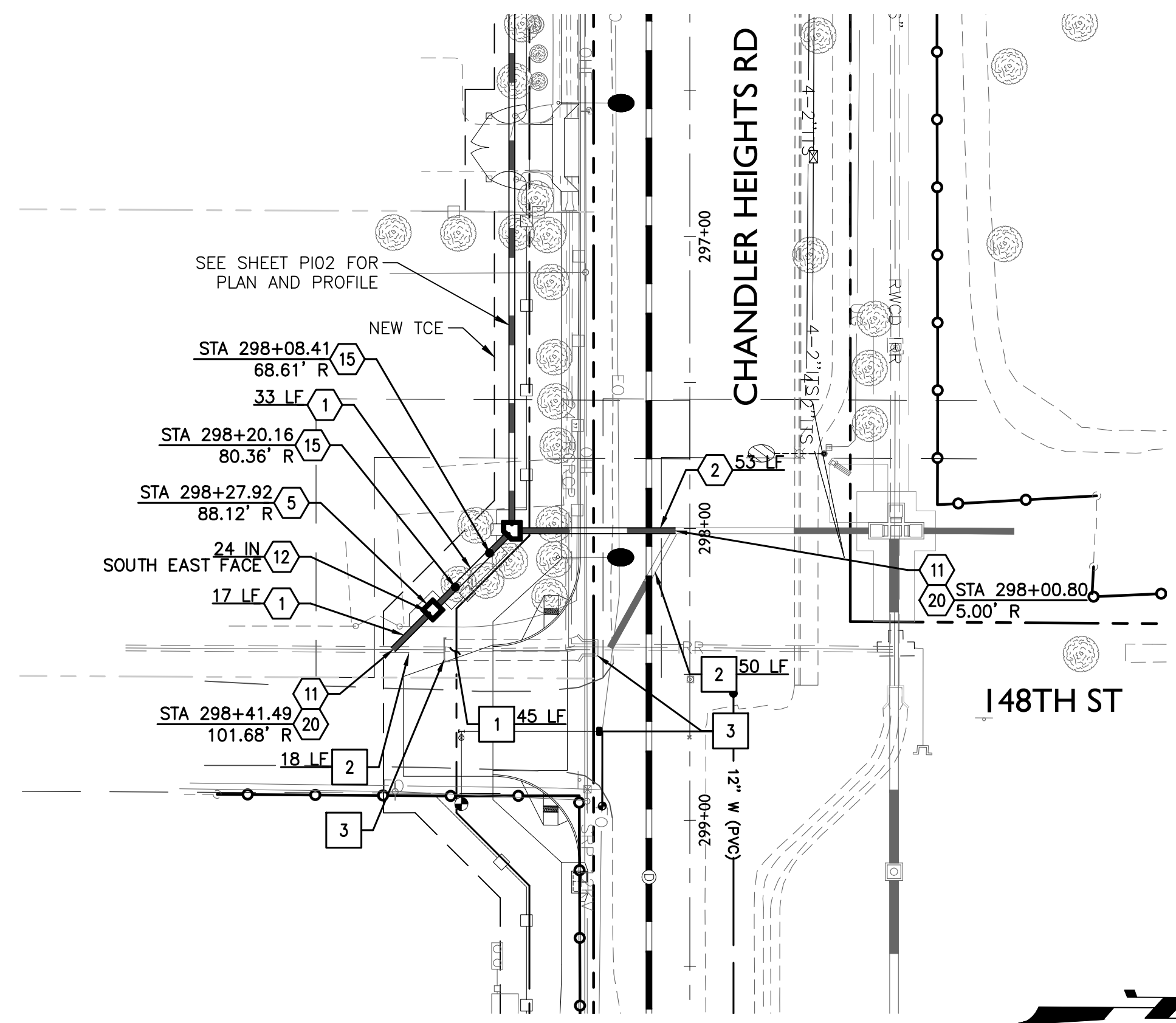
**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**PRIVATE IRRIGATION PLAN AND PROFILE**  
**STA 293+00 TO STA 300+00**

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(24)D
ADOT NO.	T0203 01C
SHEET DWG	PI02
85	OF 135



C.O.C. LOG NO. CIV 1-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: Felicia Curry Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS February 15, 2024 10:00:20am S:\Projects\2018\18-241\Civil\Irrigation\_Plan\18-241 - PIC03.dwg



316+00      317+00      318+00      319+00      320+00

IRRIGATION NOTES		
1	24 INCH RGRCP CLASS III	50 LF
2	24 INCH RGRCP CLASS V	77 LF
3	24 INCH DEEP CONCRETE DITCH PER	164 LF
DETAIL ON SHEET PI01		
4	SAWCUT DITCH AT TIE-IN. TOE-IN UNDER EXISTING DITCH PER CONCRETE	1 EA
DITCH TIE-IN DETAIL, SHEET PI01		
5	JUNCTION BOX PER DETAIL ON SHEET PI01	1 EA
PI01		
6	HEADWALL AND TRASHRACK PER MAG STD DTL 502-1	2 EA
DETAIL ON SHEET PI01		
10	PROVIDE DITCH TERMINATION PER DETAIL ON SHEET PI01	1 EA
11	CONNECT TO EXISTING PIPE	NPI
12	CONTROL GATE: WATERMAN C-10 SIZE PER PLAN	1 EA
15	12" IRRIGATION VALVE WITH CONCRETE SCOURING BASIN PER MAG STD DTL 506.	2 EA
20	PIPE COLLAR PER MAG STD DTL 505	2 EA
REMOVAL NOTES		
1	REMOVE EXISTING CONCRETE IRRIGATION DITCH, HAULOFF AND DISPOSE OF PROPERLY. BACKFILL WITH CLEAN NATIVE MATERIAL. COMPACT TO 95% (MIN) OF MAXIMUM DENSITY PER AASHTO T-99	141 LF
2	REMOVE EXISTING IRRIGATION PIPE, HAULOFF AND DISPOSE OF PROPERLY. BACKFILL WITH CLEAN NATIVE MATERIAL. COMPACT TO 95% (MIN) OF MAXIMUM DENSITY PER AASHTO T-99	80 LF
3	REMOVE EXISTING IRRIGATION JUNCTION BOX, HEADWALL OR MANHOLE AND DISPOSE OF PROPERLY. BACKFILL WITH CLEAN NATIVE MATERIAL. COMPACT TO 95% (MIN) OF MAXIMUM DENSITY PER AASHTO T-99.	2 EA

NO.	REVISIONS	DATE	BY

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Mesa, AZ 85201  
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F: 480.503.2258  
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SCALE (H):	1"=40'
SCALE (V):	1"=4'
DESIGNED BY:	FCC
DRAWN BY:	RW
CHECKED BY:	BJH
DATE:	11/2023

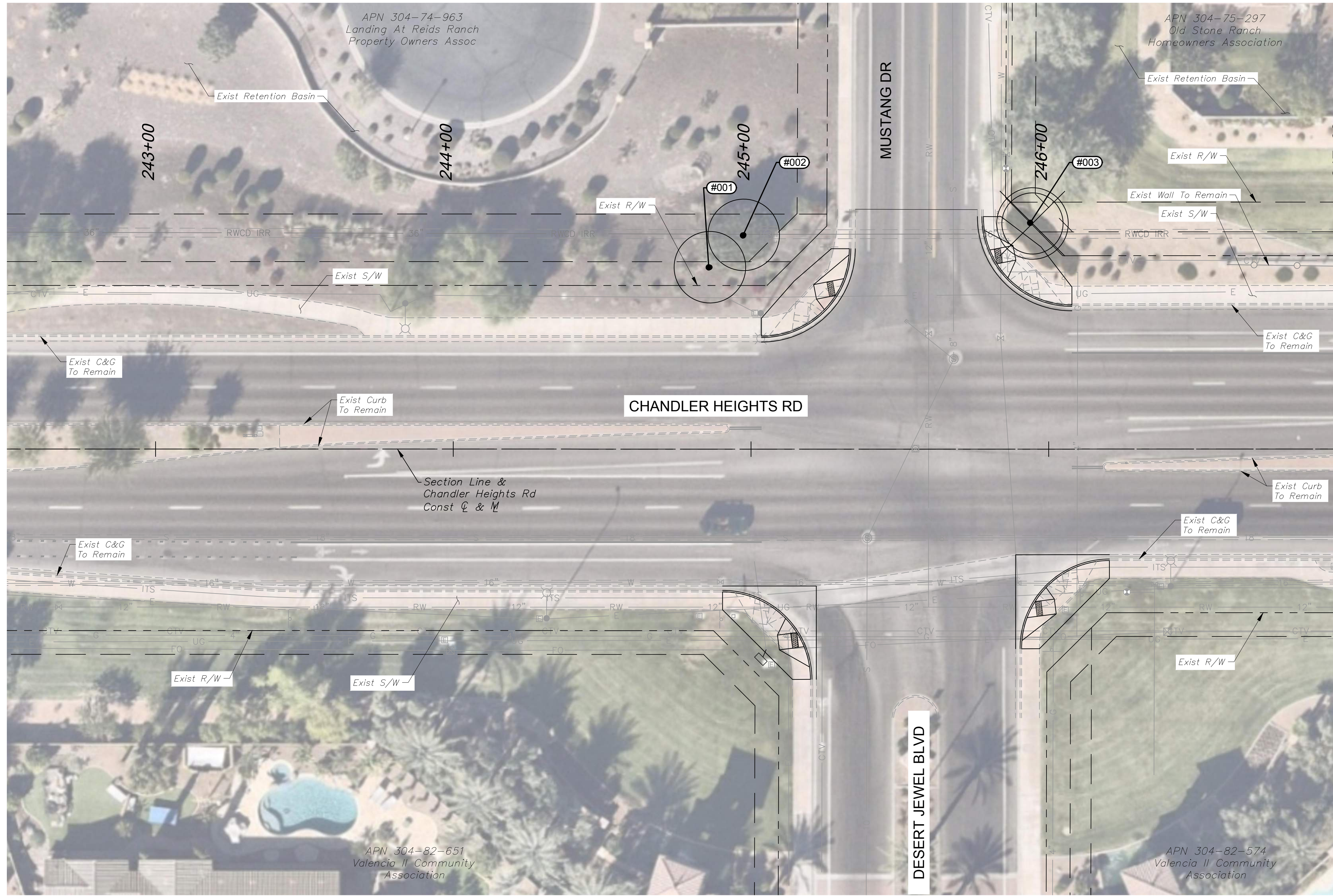
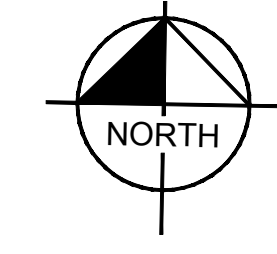
CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
PRIVATE IRRIGATION PLAN AND PROFILE  
STA 316+00 TO STA 320+00  
CHANDLER HEIGHTS ROAD IMPROVEMENTS

CITY PROJECT NO. ST1804.401  
FEDERAL NO. CHN-0(244)D  
ADOT NO. T0203 01C

SHEET DWG PI03  
86 OF 135



Plotted By: VanGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: IS06 - March 05, 2024 - 06:39:40pm - K:\PHX-Roadway\191466010-Chandler Heights Rd-Gilbert-Lo\_Val\_Vista\_Cadd\12-Sheets\191466010-IS01.dwg

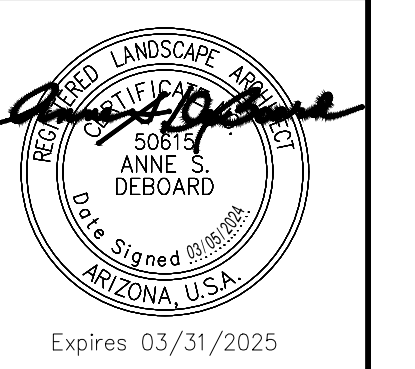


\*SEE SHEET IS06 FOR DATA TABLES

No.	REVISIONS	DATE	BY

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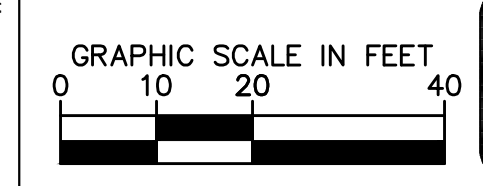
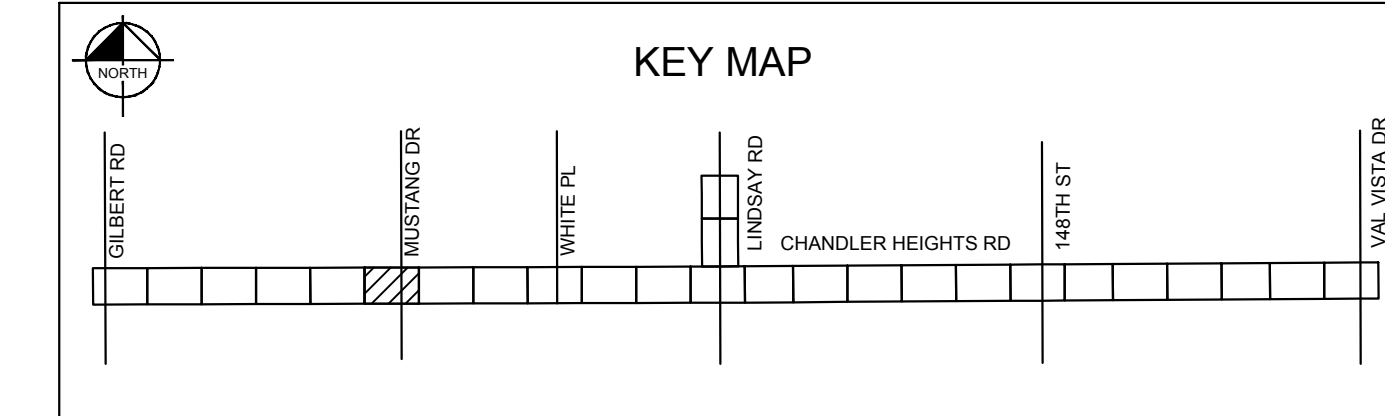
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PHONE: 602-944-5500 FAX: 602-944-7423  
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SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	JLW
DRAWN BY:	JLW
CHECKED BY:	ASD
DATE:	03/2024

**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**PLANT INVENTORY**  
**STA 242+50 TO STA 247+00**

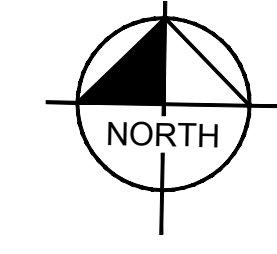
CITY PROJECT NO.	ST 1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	IS01
87 OF 135	



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS



Plotted By: VanGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: IS02 - March 05, 2024 - 06:40:39pm - K:\PHX\_Roadway\191466010-Chandler-Heights-Rd-Gilbert-to-Val-Vista\Cadd\12-Sheets\191466010\_IS02.dwg



MATCHLINE STA. 296+00 SEE DWG IS03

INVENTORY LEGEND	
SYMBOL	DESCRIPTION
	EXST TREE - PRESERVE IN PLACE
	EXST TREE - REMOVE

\*SEE SHEET IS06 FOR DATA TABLES

No.	REVISIONS	DATE	BY

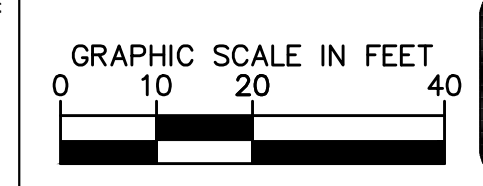
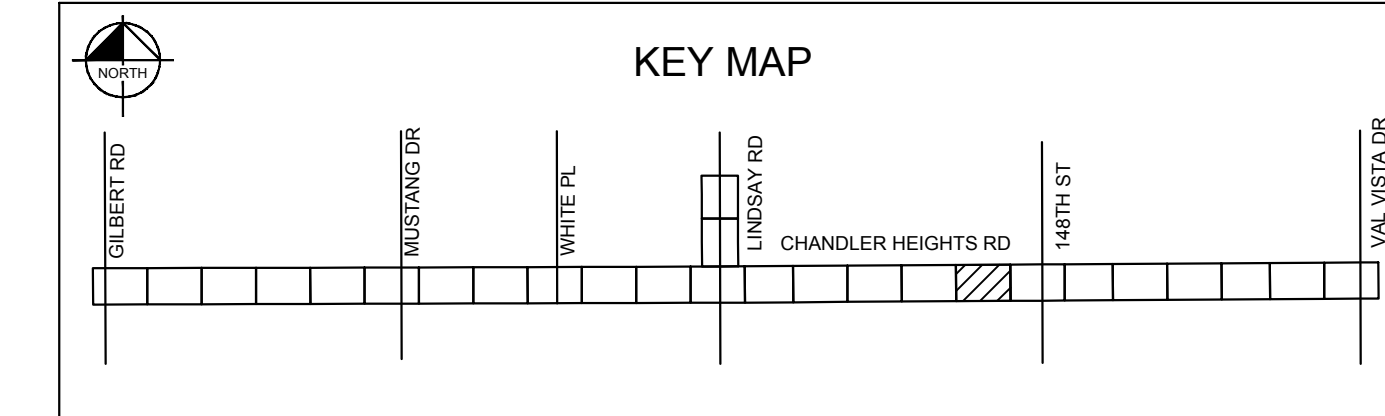
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SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	JLW
DRAWN BY:	JLW
CHECKED BY:	ASD
DATE:	03/2024

**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**PLANT INVENTORY**  
**STA 291+50 TO STA 296+00**

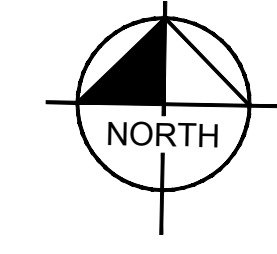
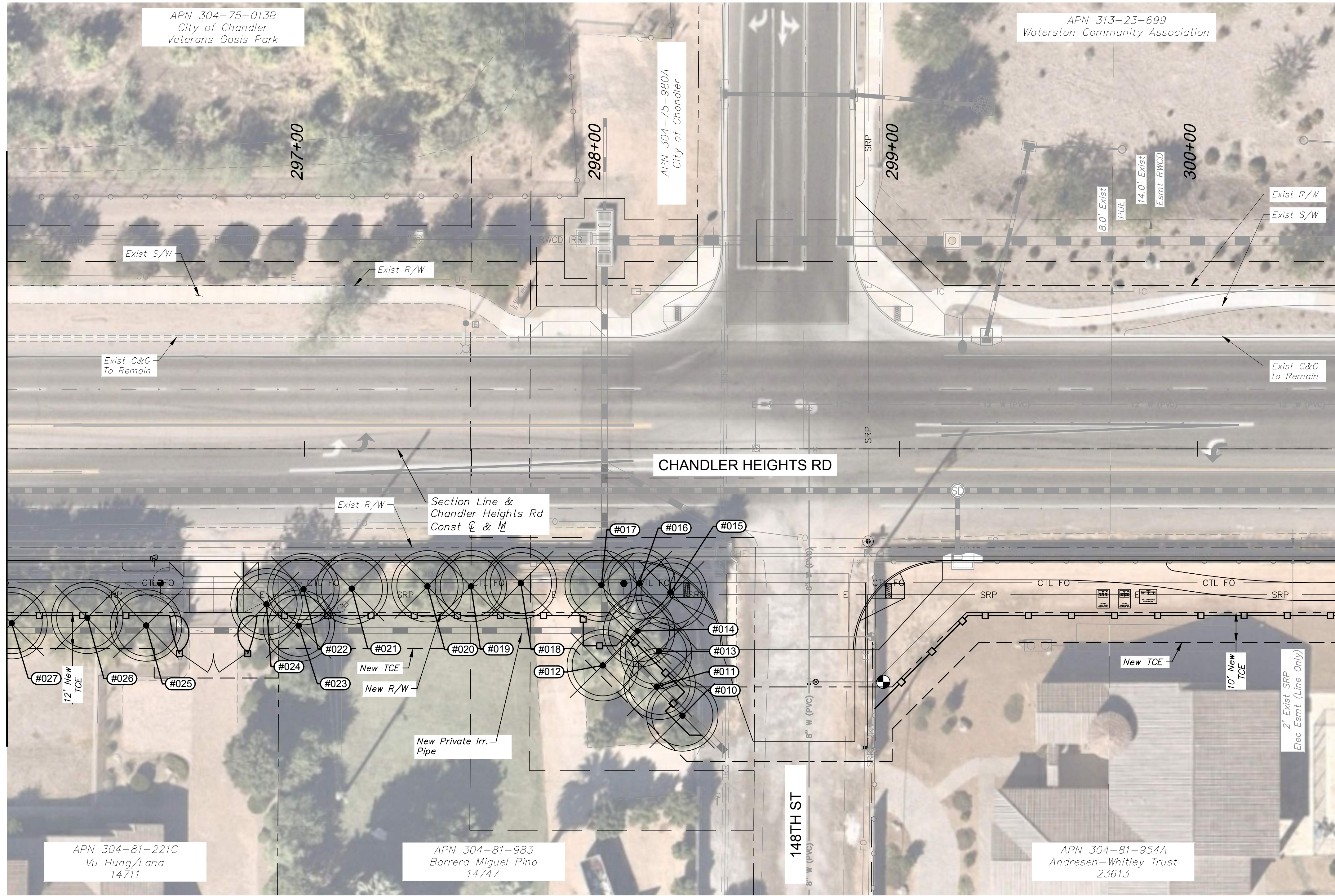
CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(24)JD
ADOT NO.	T0203.01C
SHEET DWG	IS02
88 OF 135	



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: IS02 - March 05, 2024 - 06:40:47pm - K:\PHX-Roadway\191466010-Chandler Heights Rd-Gilbert.La.Val\_Vista\_Cadd\12-Sheets\191466010-IS02.dwg

MATCHLINE STA. 296+00 SEE DWG IS02



*INVENTORY LEGEND*

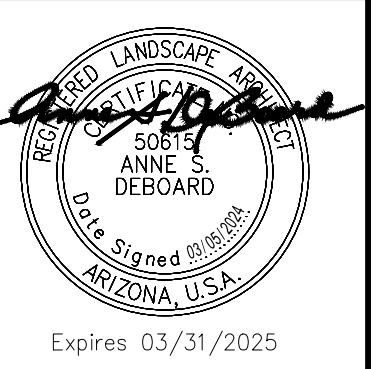
SYMBOL	DESCRIPTION
○	EXST TREE - PRESERVE IN PLACE
⊗	EXST TREE - REMOVE

\*SEE SHEET IS06 FOR DATA TABLES

No.	REVISIONS	DATE	BY

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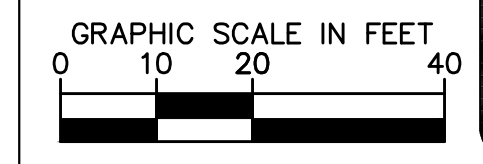
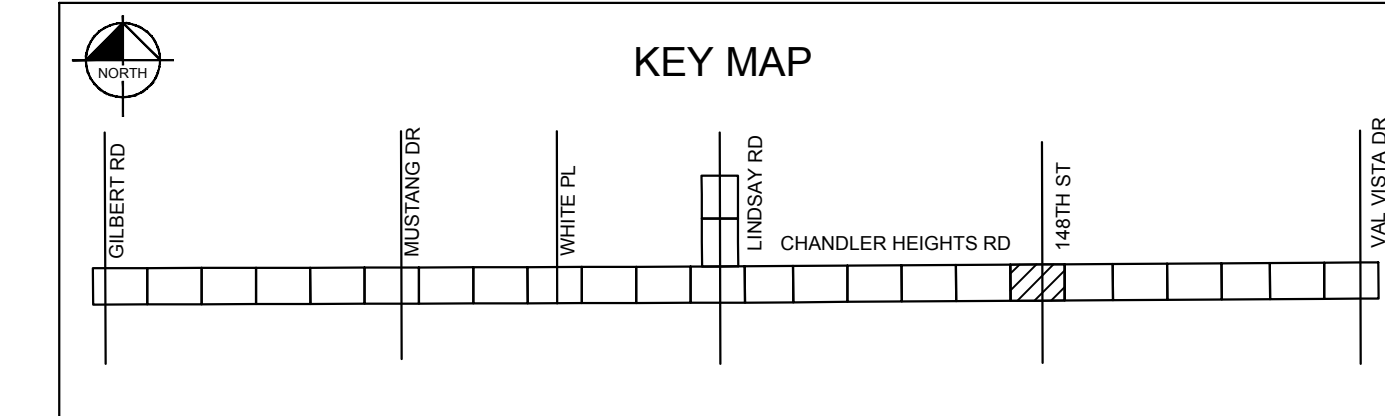
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SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	JLW
DRAWN BY:	JLW
CHECKED BY:	ASD
DATE:	03/2024

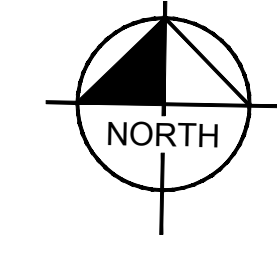
CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 PLANT INVENTORY  
 STA 296+00 TO STA 300+50

CITY PROJECT NO.	ST 1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	IS03
89 OF 135	



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: IS04 - March 05, 2024 - 06:40:55pm - K:\PHX-Roadway\191466010-Chandler Heights Rd-Gilbert-Is Val Vista-Cadd\12-Sheets\191466010-IS04.dwg



INVENTORY LEGEND	
SYMBOL	DESCRIPTION
	EXST TREE - PRESERVE IN PLACE
	EXST TREE - REMOVE

\*SEE SHEET IS06 FOR DATA TABLES

No.	REVISIONS	DATE	BY

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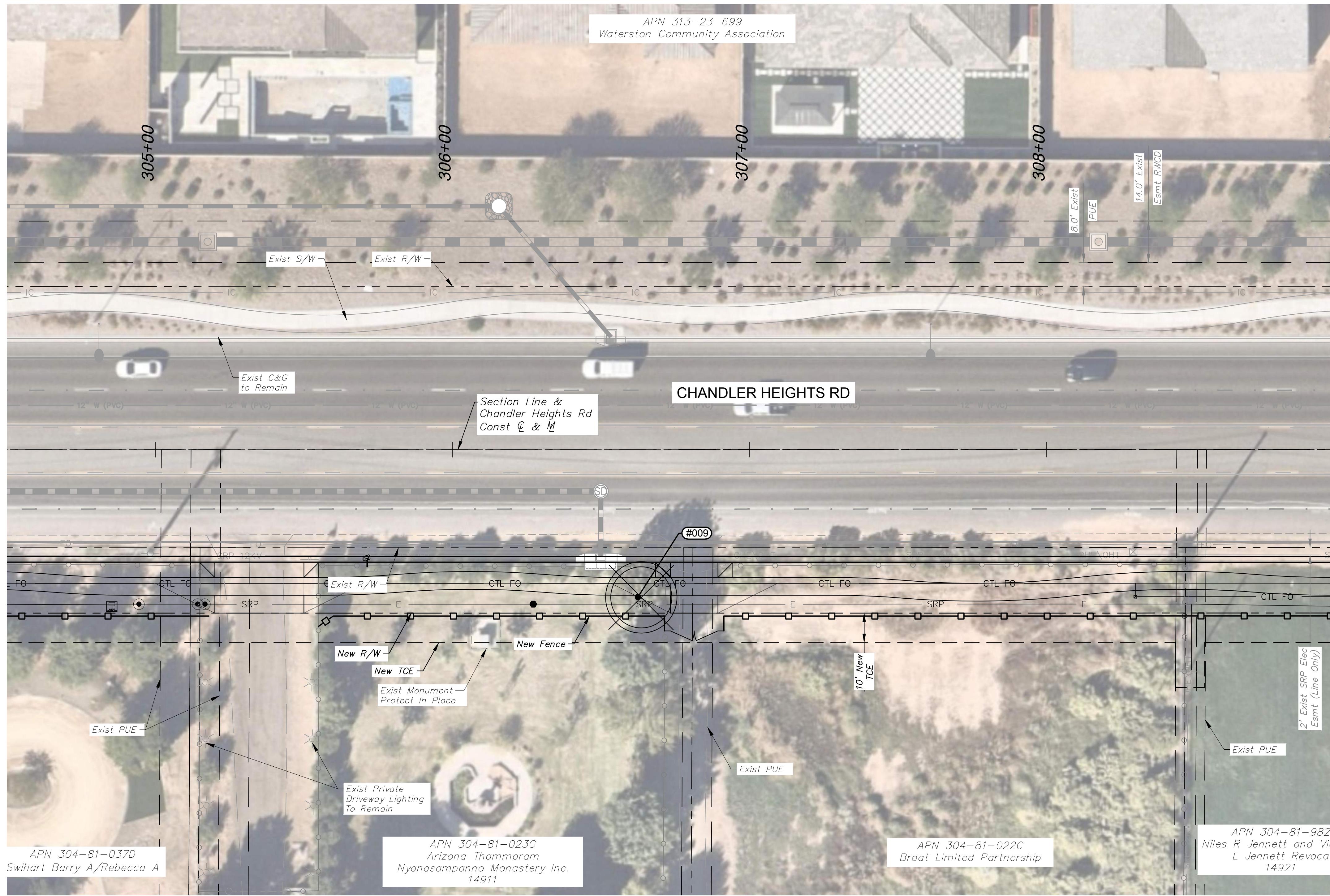


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SCALE (V):	N/A
DESIGNED BY:	JLW
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DATE:	03/2024

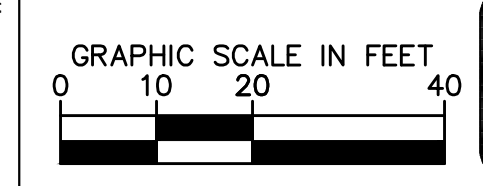
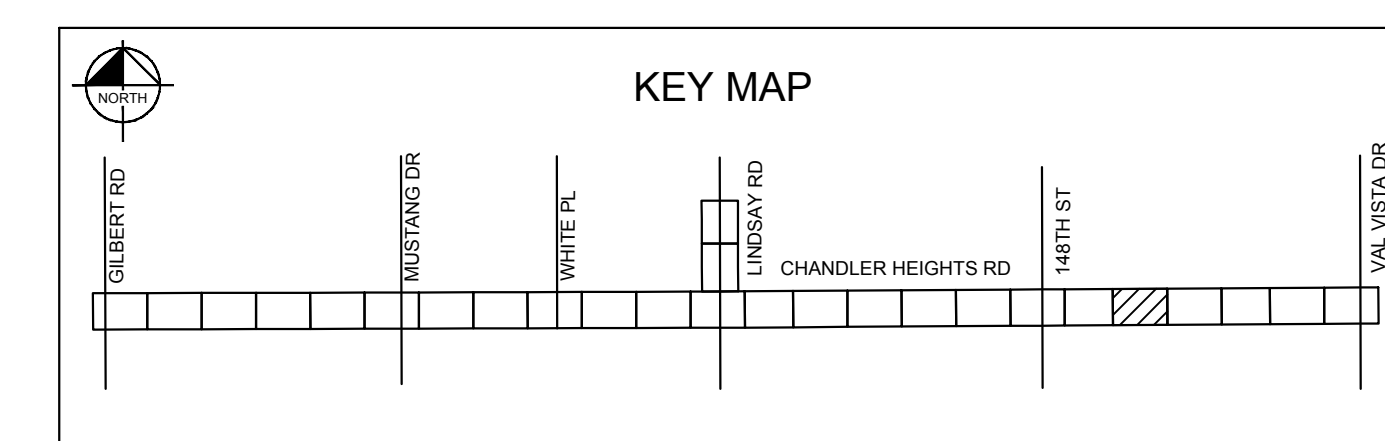
CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 PLANT INVENTORY  
 STA 304+50 TO STA 309+00

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0244JD
ADOT NO.	T0203.01C
SHEET DWG	IS04
90 OF 135	

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

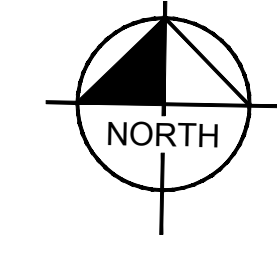
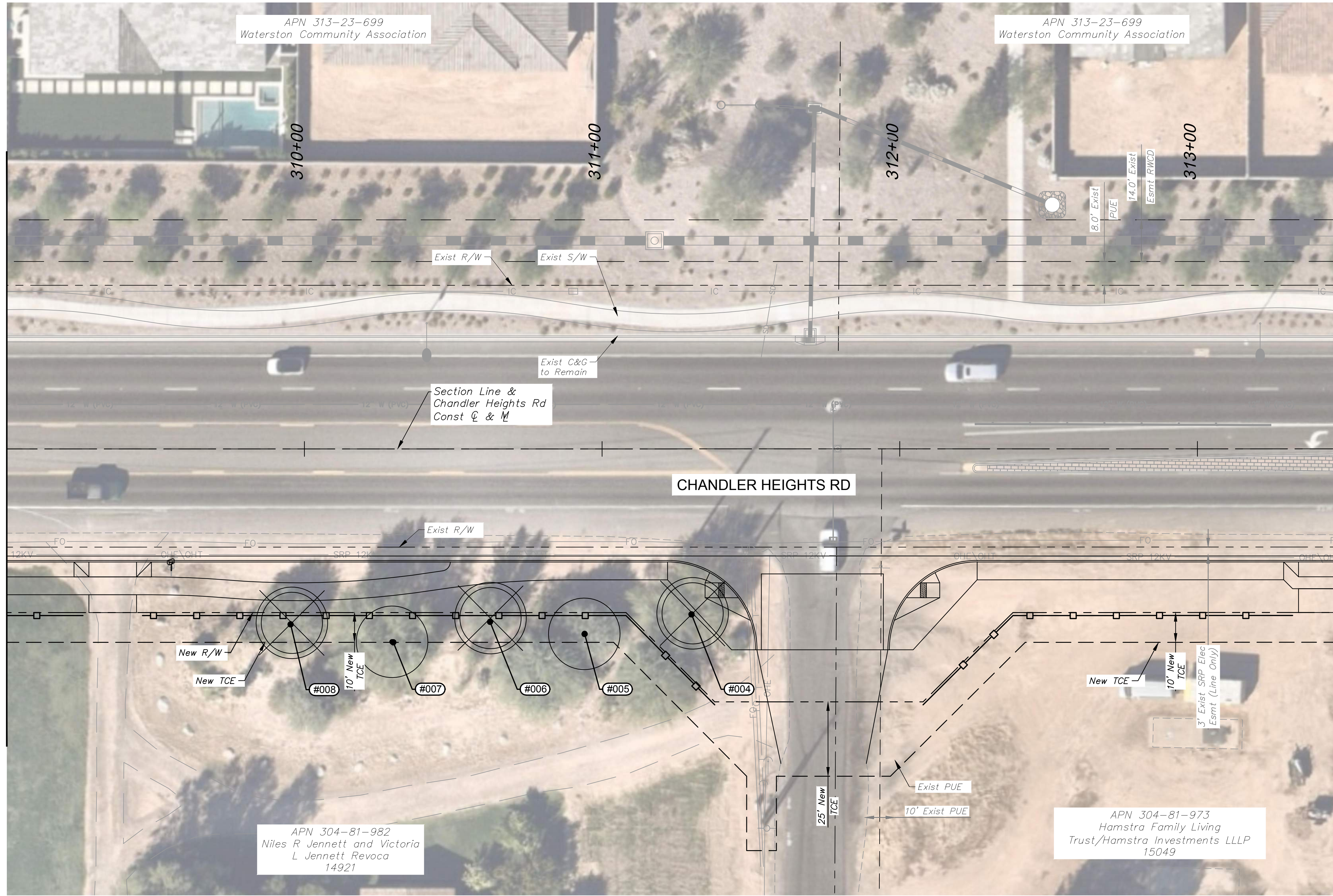


MATCHLINE STA. 309+00 SEE DWG IS05



Plotted By: VanGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: IS04 - March 05, 2024 - 08:41:41pm - K:\Pix\_Roadway\191466010-Chandler-Heights-Rd-Gilbert-to-Val-Vista\Roadway\191466010-IS03.dwg

MATCHLINE STA. 309+00 SEE DWG IS04

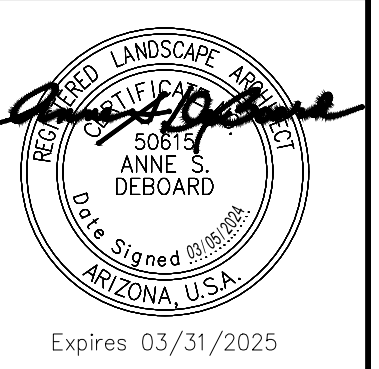


INVENTORY LEGEND	
SYMBOL	DESCRIPTION
○	EXST TREE - PRESERVE IN PLACE
⊗	EXST TREE - REMOVE

\*SEE SHEET IS06 FOR DATA TABLES

No.	REVISIONS	DATE	BY

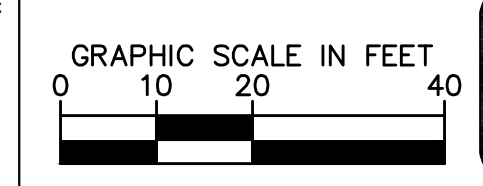
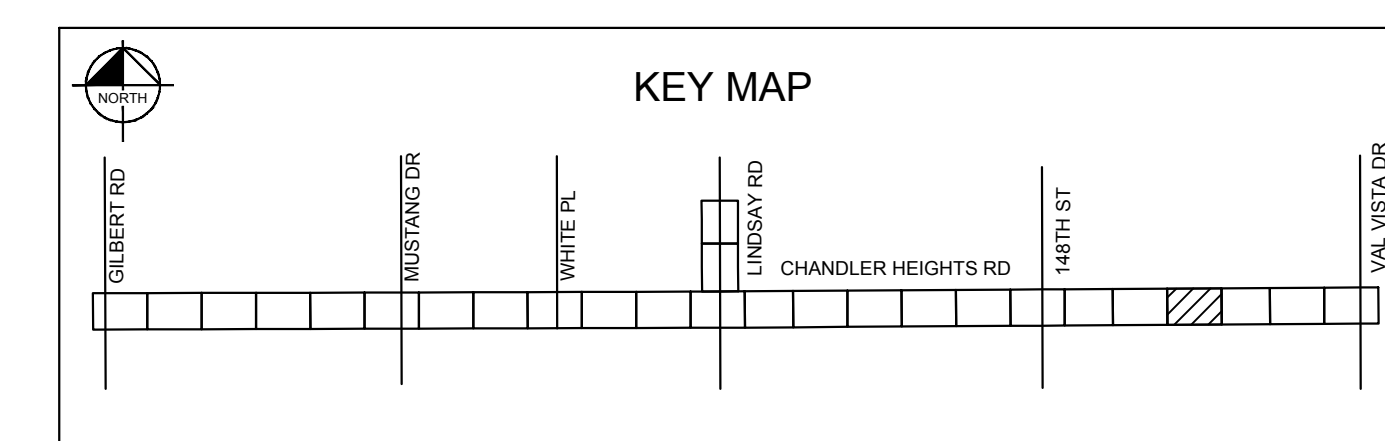
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 WWW.KIMLEY-HORN.COM



SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	JLW
DRAWN BY:	JLW
CHECKED BY:	ASD
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 PLANT INVENTORY  
 STA 309+00 TO STA 313+50

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	IS05
91 OF 135	



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VonGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: ISDS - March 05, 2024 - 06:41:45pm - K:\PHX\_Roadway\191466010-Chandler Heights Rd - Gilbert - 12-Sheets\191466010\_ISDS.dwg

TAG #	BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	CALIPER	CONDITION	INTENDED DESIGNATION			COMMENT
							S	P	D	
1	Fraxinus velutina	Arizona Ash	8'	6'	5"	Good		X		
2	Fraxinus velutina	Arizona Ash	8'	6'	5"	Good		X		
3	Acacia smallii	Sweet Acacia	30'	15'	16"	Good			X	
4	Parkinsonia florida	Blue Palo Verde	15'	15'	10"	Good			X	
5	Prosopis velutina	Native Mesquite	8'	8'	4"	Good		X		
6	Olneya tesota	Ironwood	8'	5'	4"	Good			X	
7	Parkinsonia florida	Blue Palo Verde	10'	15'	10"	Good		X		
8	Prosopis velutina	Native Mesquite	6'	8'	6"	Good			X	
9	Fraxinus velutina	Arizona Ash	12'	8'	8"	Good			X	
10	Washingtonia robusta	Mexican Fan Palm	15'	5'	-	Good			X	
11	Washingtonia robusta	Mexican Fan Palm	15'	5'	-	Good			X	
12	Washingtonia robusta	Mexican Fan Palm	8'	5'	-	Good			X	
13	Washingtonia robusta	Mexican Fan Palm	15'	5'	-	Good			X	
14	Washingtonia robusta	Mexican Fan Palm	10'	5'	-	Good			X	
15	Citrus Spp.	Citrus	15'	12'	-	Good			X	
16	Citrus Spp.	Citrus	15'	12'	-	Good			X	
17	Citrus Spp.	Citrus	15'	12'	-	Good			X	
18	Citrus Spp.	Citrus	15'	12'	-	Good			X	
19	Punica granatum	Pomegranate	10'	10'	-	Good			X	
20	Punica granatum	Pomegranate	8'	8'	-	Good			X	
21	Punica granatum	Pomegranate	8'	8'	-	Good			X	
22	Citrus Spp.	Citrus	12'	10'	-	Good			X	
23	Citrus Spp.	Citrus	12'	10'	-	Good			X	
24	Ulmus parvifolia	Chinese Elm	20'	15'	12"	Good			X	
25	Ulmus parvifolia	Chinese Elm	20'	15'	12"	Good			X	
26	Ulmus parvifolia	Chinese Elm	20'	15'	12"	Good			X	
27	Ulmus parvifolia	Chinese Elm	20'	15'	12"	Good			X	
28	Ulmus parvifolia	Chinese Elm	20'	15'	12"	Good			X	
29	Ulmus parvifolia	Chinese Elm	20'	15'	12"	Good			X	
30	Citrus Spp.	Citrus	8'	8'	-	Good			X	
31	Citrus Spp.	Citrus	8'	8'	-	Good		X		

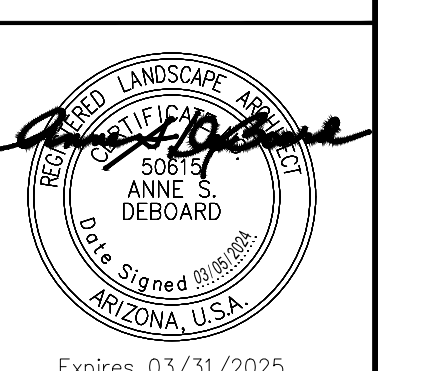
SALVAGE  
DESIGNATION KEY

S: SALVAGEABLE / NS: NON-SALVAGEABLE  
S: SALVAGE AND TRANSPLANT  
P: PROTECT IN PLACE  
D: DESTROY



NO.	REVISIONS	DATE	BY

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WWW.KIMLEY-HORN.COM



SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	JLW
DRAWN BY:	JLW
CHECKED BY:	ASD
DATE:	03/2024

**CITY OF CHANDLER**  
CHANDLER HEIGHTS RD IMPROVEMENTS  
PLANT INVENTORY TABLE

CITY PROJECT NO.  
ST1804.401  
FEDERAL NO.  
CHN-0(244)D  
ADOT NO. T0203 01C

SHEET DWG  
IS06  
92 OF 135

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

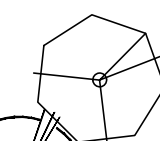




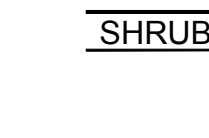





Plotted By: VanGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - L:\you\LANDSCAPE NOTES 2 - March 05, 2024 - 06:42:00pm - K:\PHX-Roadwork\191466010-Chandler Heights Rd-Cibert - Val Vista-Cadd\12-Sheets\191466010-LS-CV.dwg

### PLANTING LEGEND


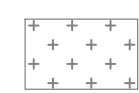
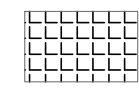
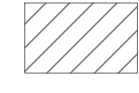

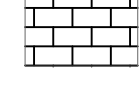
\*ALL TREES SHALL COMPLY WITH THE LATEST AMENDED EDITION OF THE ARIZONA NURSERY ASSOCIATION - RECOMMENDED TREE SPECIFICATIONS\*

TREES	BOTANICAL NAME / COMMON NAME	SIZE	HT/SPRD	CALIPER	REMARKS	QTY
	Acacia aneura Mulga	48" BOX	10.0' x 7.0'	3.5" Min.	Single-trunk	4
	Acacia farnesiana Sweet Acacia	48" BOX	13.0' x 9.0'	2" Min.	Multi-trunk	1
	Dalbergia sissoo American Rosewood	48" BOX	14.0' x 8.0'	3" Min.	Single-trunk	8
	Quercus virginiana Live Oak	48" BOX	14.0' x 8.0'	3" Min.	Single-trunk	3
	Ulmus parvifolia Chinese Elm	48" BOX	14.0' x 9.0'	3" Min.	Single-trunk	5
	Existing Tree to Remain	-	-	-	-	-









### SHRUBS & GROUND COVER

	BOTANICAL NAME / COMMON NAME	SIZE	QTY
	Calliandra californica Baja Fairy Duster	5 Gal.	4
	Chrysactinia mexicana Damianita	1 Gal.	36
	Convolvulus cneorum Bush Morning Glory	5 Gal.	22
	Euphorbia rigida Gopher Plant	5 Gal.	39
	Lantana camara 'New Gold' New Gold Lantana	1 Gal.	59
	Ruellia brittoniana 'Katie' Dwarf Katie Ruellia	1 Gal.	62
	Tetaneuris acaulis Angelita Daisy	1 Gal.	48
	Teucrium chamaedrys Germanier	1 Gal.	62

### MISCELLANEOUS MATERIALS LEGEND

MISCELLANEOUS MATERIALS	DESCRIPTION	QTY
	Decomposed Granite Color: Desert Gold, Size: 1 1/4" Screened, 2.5" Depth	5,340 SY
	Decomposed Granite Color & Size: Match Existing, 2" Depth Min.	772 SY
	Decomposed Granite Color: Express Caramel, Size: 1/4" Minus, 2" Depth	396 SY
	Decomposed Granite Color: Express Rose, Size: 1/2" Screened, 2" Depth	323 SY
	Turf Restoration Area Midiron Hybrid Bermuda Sod or Approved Equal	43 SY
	Median Pavers Acker-Stone Industries: Street Stone I (3"x 6", 6"x 6") / Street Stone II (3"x 9") Gila River Color, Random Ashlar Pattern Refer to City of Chandler Detail C-225	154 SY

### IRRIGATION LEGEND

MATERIALS AND EQUIPMENT	SYM	MANUFACTURER / MODEL / DESCRIPTION	QTY
	☒	Potable Water Meter - 1" Service - Contractor Shall Install Water Main Tap, Service Line, Curb Stop, and Meter Box; City of Chandler to Install Meter	2
	○	Backflow Preventer - 1" FEBCO 825YA with Security Enclosure (Tan), Refer to City of Chandler Detail C-311	2
	Ⓜ	Master Valve - 1" Hunter PGV-201-DC	2
	Ⓐ	Controller - Hunter Hybrid XCH-600-SS 6-Station Battery-operated with XCHSPOLE Mounting Pole	2
	Ⓜ	Valve - Hunter ICZ-101-LF-DC, 1" Brass Isolation Valve Upstream of 1" ICV Globe Valve with HFR-100-075 Filter Regulator and Hunter 458200 DC-latching solenoids	4
	□	Flush End Cap	20
	Ⓜ	Bowsmith Multi-Outlet Emitter ML200 Series* 2 - 2gpm per Tree; 1 - 1gpm per Shrub (3 Shrubs per Emitter) Provide 1/4" Distribution Tubing To Each Plant As Detailed * Refer To COC Std. Dtl. C-817 For Emitter Schedule	132
	Ⓜ	Irrigation Restoration Area	236 SY

### SLEEVE SCHEDULE

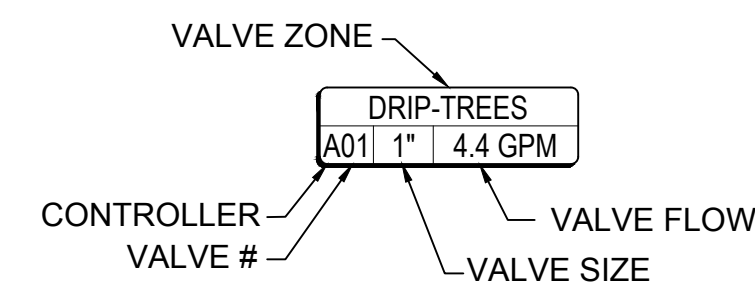
SYM	SIZE & DESCRIPTION	QTY
Ⓜ	Schedule 40 PVC 2" Lateral Sleeve, Spears or Equal *X* Indicates Quantity	445 LF

### PIPE SCHEDULE

SYM	SIZE & DESCRIPTION	QTY
—	Potable Mainline Copper Service Pipe: 4" Type 'K' Copper Hard Tube.	-
—	Potable Mainline: 2" SCH 40 PVC Solvent Weld Pipe with SCH 80 PVC Fittings	40 LF
— T —	Potable Tree Drip Lateral: SDR 21 Class 200 PVC Solvent Weld Pipe with SCH 40 PVC Fittings (Size Below)	895 LF
— s —	Potable Shrub Drip Lateral: SDR 21 Class 200 PVC Solvent Weld Pipe with SCH 40 PVC Fittings (Size Below)	1,690 LF

### LATERAL PIPE SIZING

GPM FLOW	PIPE SIZE
0 - 8.0	3/4"
8.1 - 13.0	1"



### NOTES

1. PRIOR TO ANY LANDSCAPE OR IRRIGATION CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR/DEVELOPER SHALL NOTIFY THE CITY LANDSCAPE MAINTENANCE AND DESIGN COORDINATOR AT 480-782-3428 AT LEAST 48 HOURS IN ADVANCE OF INSTALLATION WORK.

NO.	REVISIONS	DATE	BY

**Kimley»Horn**  
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7740 N. 16th STREET, SUITE 300, PHOENIX, AZ 85020  
PHONE: 602-944-5500 FAX: 602-944-7423  
WWW.KIMLEY-HORN.COM



SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	JLW
DRAWN BY:	JLW
CHECKED BY:	ASD
DATE:	03/2024

CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
LANDSCAPE & IRRIGATION  
MATERIAL SCHEDULES

CITY PROJECT NO.  
ST1804.401  
FEDERAL NO.  
CHN-0(244)D  
ADOT NO. T0203 01C

SHEET DWG  
LSGN3

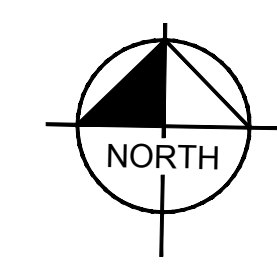
95 OF 135



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS



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\*ALL TREES SHALL COMPLY WITH THE LATEST AMENDED EDITION OF THE 'ARIZONA NURSERY ASSOCIATION - RECOMMENDED TREE SPECIFICATIONS'

### PLANTING LEGEND

TREES			
BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
Acacia aneura Mulga	48" BOX	4	30' O.C. or as Shown
Acacia farnesiana Sweet Acacia	48" BOX	1	30' O.C. or as Shown
Dalbergia sissoo American Rosewood	48" BOX	8	30' O.C. or as Shown
Quercus virginiana Live Oak	48" BOX	3	30' O.C. or as Shown
Ulmus parvifolia Chinese Elm	48" BOX	5	30' O.C. or as Shown
Existing Tree to Remain	-	-	-

SHRUBS & GROUNDCOVER			
BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
Calliandra californica Baja Fairy Duster	5 Gal.	4	As Shown
Chrysactinia mexicana Damianita	1 Gal.	36	As Shown
Convolvulus cneorum Bush Morning Glory	5 Gal.	22	As Shown
Euphorbia rigida Gopher Plant	5 Gal.	39	As Shown
Lantana camara 'New Gold' New Gold Lantana	1 Gal.	59	As Shown
Ruellia brittoniana 'Katie' Dwarf Katie Ruellia	1 Gal.	62	As Shown
Tetranneuris acaulis Angelita Daisy	1 Gal.	48	As Shown
Teucrium chamaedrys Germander	1 Gal.	62	As Shown

ACCENTS		
BOTANICAL NAME / COMMON NAME	SIZE	QTY
Hesperaloe parviflora 'Brakelights' Brakelights Red Yucca	5 Gal.	12

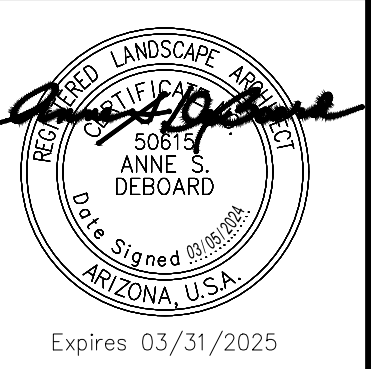
MISCELLANEOUS	
DESCRIPTION	QTY
Decomposed Granite Color: Desert Gold, Size: 1 1/4" Screened, 2.5" Depth	4,570 SY
Decomposed Granite Color: Match Existing, Size: 2" Depth Min.	766 SY
Decomposed Granite Color: Express Rose, Size: 1/2" Screened 2" Depth Min.	323 SY
Decomposed Granite Color: Express Caramel, Size: 1/4" Minus, 2" Depth Min.	396 SY
Median Pavers Acker-Stone Industries: Street Stone I (3"x6", 6"x6")/Street Stone II (6"x9") Gila River Color, Random Ashlar Pattern Refer to COC Std Dtl C-225	154 SY
Turf Restoration Area	43 SY

SDL Sight Distance Line  
SVT Sight Visibility Triangle  
Refer to COC Std.  
Dtl's: C-246 & C-247

NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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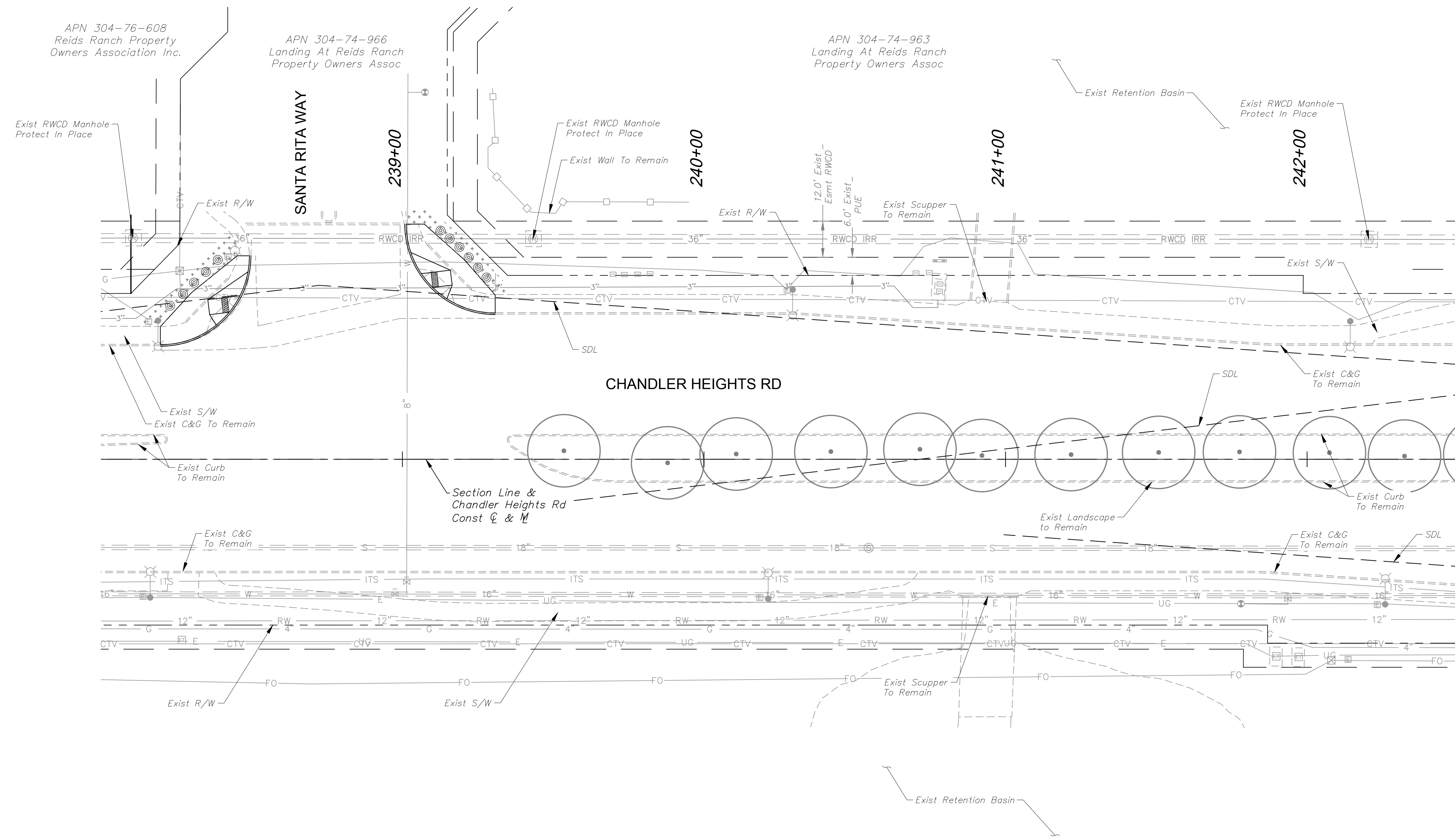
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SCALE (V): N/A  
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DRAWN BY: JLW  
CHECKED BY: ASD  
DATE: 03/2024

CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
LANDSCAPE PLAN  
STA 238+00 TO STA 242+50

CITY PROJECT NO. ST1804.401  
FEDERAL NO. CHN-0244JD  
ADOT NO. T0203.01C

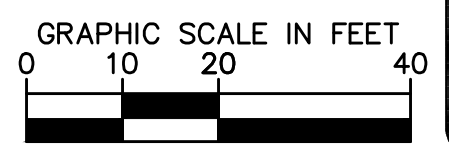
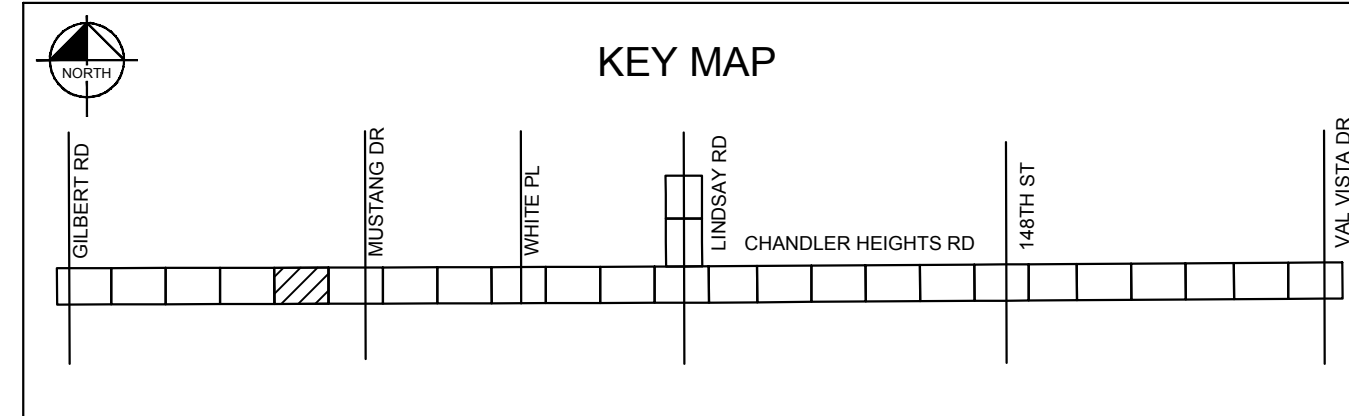
SHEET DWG LS01  
96 OF 135

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

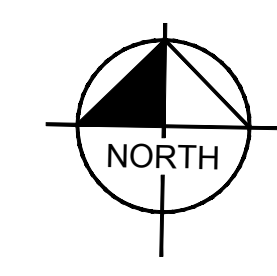
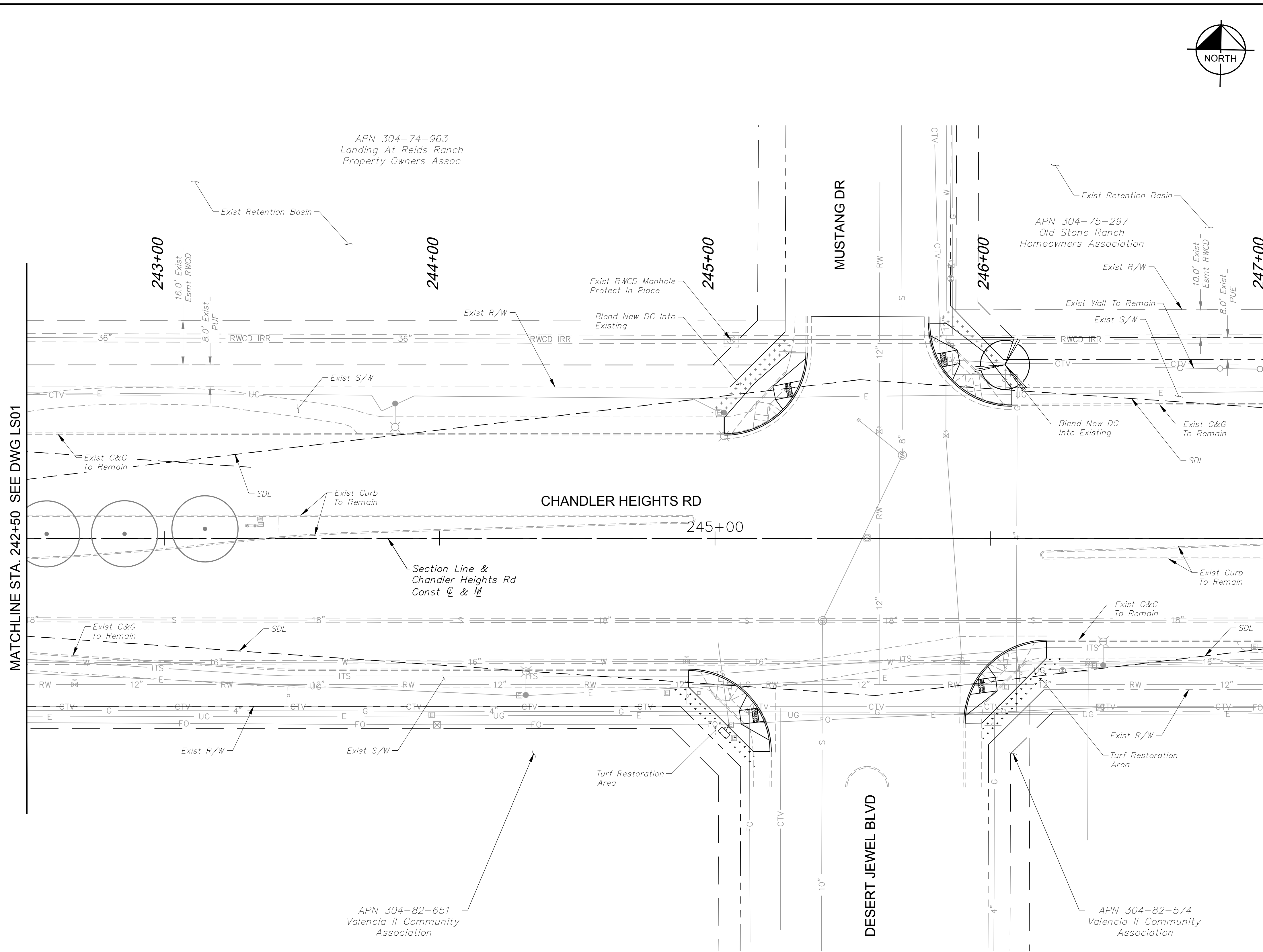


MATCHLINE STA. 242+50 SEE DWG LS02

- NOTES**
- PRIOR TO ANY LANDSCAPE OR IRRIGATION CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR/DEVELOPER SHALL NOTIFY THE CITY LANDSCAPE MAINTENANCE AND DESIGN COORDINATOR AT 480-782-3428 AT LEAST 48 HOURS IN ADVANCE OF INSTALLATION WORK.
  - ALL TREES WITHIN VEHICULAR SIGHT DISTANCE/VISIBILITY CLEAR ZONES SHALL HAVE A VERTICAL CANOPY CLEARANCE/CLEAR TRUNK TO 6' ABOVE THE NEAREST CURB ELEVATION, ALL SHRUBS IN THE AREA MAY NOT REACH A MATURE HEIGHT OVER 24".
  - MAINTAIN 2-FOOT SETBACK FROM CURB TO SHRUBS OR GROUNDCOVER UPON MATURITY.



Plotted By: VanGerpen, Hannah - Sheet - Sct: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: LS06 - March 05, 2024 - 06:42:47pm - K:\PHX\_Roadwork\191466010-Chandler Heights Rd-Gilbert to Val Vista-Cad 12-Sheets\191466010-LS01.dwg



\*ALL TREES SHALL COMPLY WITH THE LATEST AMENDED EDITION OF THE 'ARIZONA NURSERY ASSOCIATION - RECOMMENDED TREE SPECIFICATIONS'

**PLANTING LEGEND**

TREES			
BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
Acacia aneura Mulga	48" BOX	4	30' O.C. or as Shown
Acacia farnesiana Sweet Acacia	48" BOX	1	30' O.C. or as Shown
Dalbergia sissoo American Rosewood	48" BOX	8	30' O.C. or as Shown
Quercus virginiana Live Oak	48" BOX	3	30' O.C. or as Shown
Ulmus parvifolia Chinese Elm	48" BOX	5	30' O.C. or as Shown
Existing Tree to Remain	-	-	-

SHRUBS & GROUNDCOVER			
BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
Calliandra californica Baja Fairy Duster	5 Gal.	4	As Shown
Chrysactinia mexicana Damianita	1 Gal.	36	As Shown
Convolvulus cneorum Bush Morning Glory	5 Gal.	22	As Shown
Euphorbia rigida Gopher Plant	5 Gal.	39	As Shown
Lantana camara 'New Gold' New Gold Lantana	1 Gal.	59	As Shown
Ruellia brittoniana 'Katie' Dwarf Katie Ruellia	1 Gal.	62	As Shown
Tetrandeum acaulis Angelita Daisy	1 Gal.	48	As Shown
Teucrium chamaedrys Germander	1 Gal.	62	As Shown

ACCENTS		
BOTANICAL NAME / COMMON NAME	SIZE	QTY
Hesperaloe parviflora 'Brakelights' Brakelights Red Yucca	5 Gal.	12

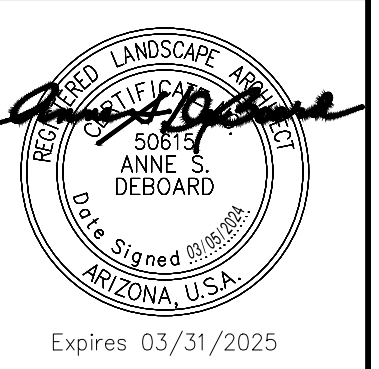
MISCELLANEOUS	
DESCRIPTION	QTY
Decomposed Granite Color: Desert Gold, Size: 1 1/4" Screened, 2.5" Depth	4,570 SY
Decomposed Granite Color: Match Existing, Size: 2" Depth Min.	766 SY
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Decomposed Granite Color: Express Caramel, Size: 1/4" Minus, 2" Depth Min.	396 SY
Median Pavers Acker-Stone Industries: Street Stone I (3"x6", 6"x6")/Street Stone II (6"x9") Gila River Color, Random Ashlar Pattern Refer to COC Std Dtl C-225	154 SY
Turf Restoration Area	43 SY

SDL Sight Distance Line  
SVT Sight Visibility Triangle  
Refer to COC Std.  
Dtl's: C-246 & C-247

NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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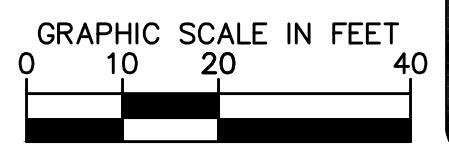
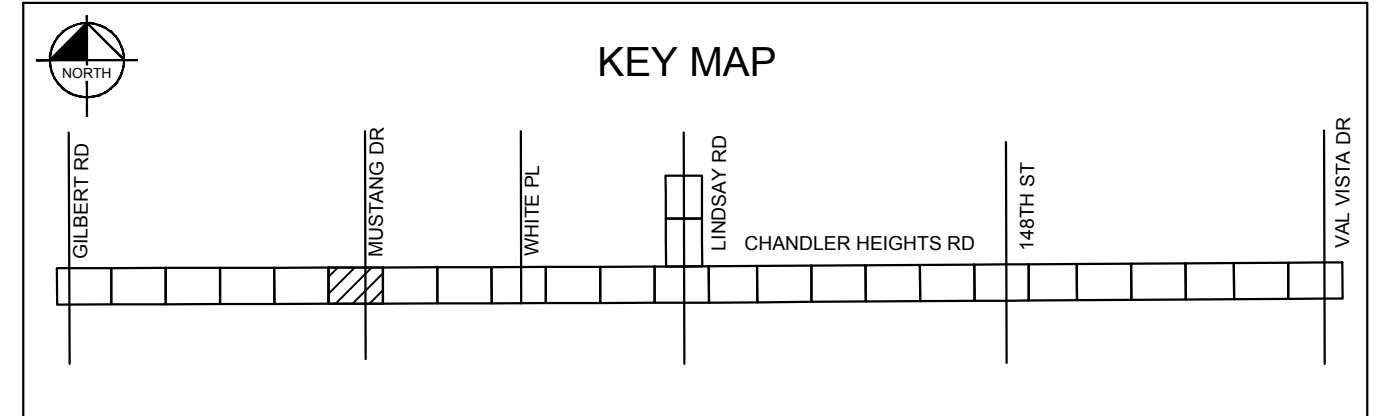


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SCALE (V):	N/A
DESIGNED BY:	JLW
DRAWN BY:	JLW
CHECKED BY:	ASD
DATE:	03/2024

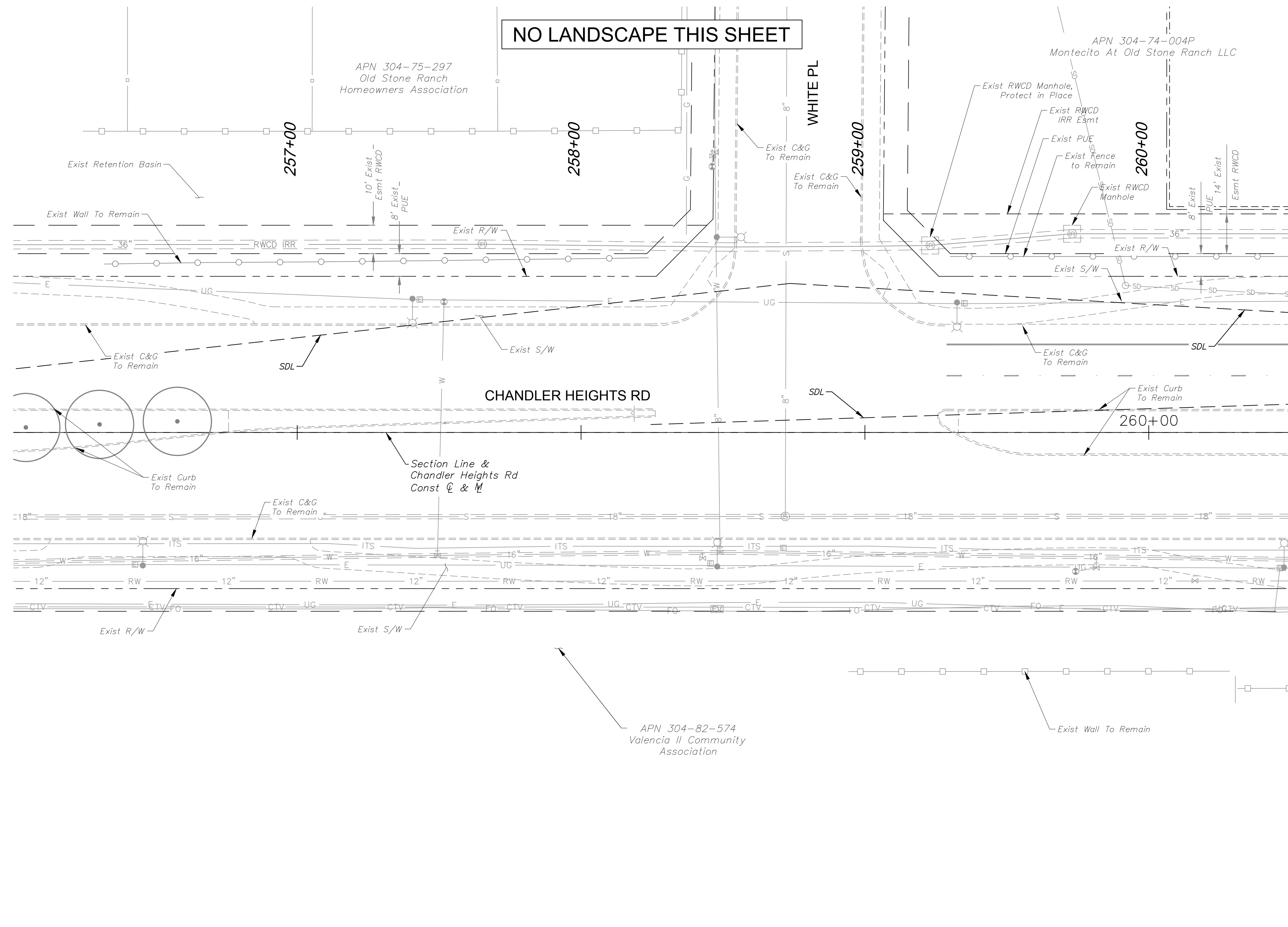
CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
LANDSCAPE PLAN  
STA 242+50 TO STA 247+00  
C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

CITY PROJECT NO. ST1804.401
FEDERAL NO. CHN-0244JD
ADOT NO. 02023.01C
SHEET DWG LS02
97 OF 135

- NOTES**
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  - ALL TREES WITHIN VEHICULAR SIGHT DISTANCE/VISIBILITY CLEAR ZONES SHALL HAVE A VERTICAL CANOPY CLEARANCE/CLEAR TRUNK TO 6' ABOVE THE NEAREST CURB ELEVATION, ALL SHRUBS IN THE AREA MAY NOT REACH A MATURE HEIGHT OVER 24".
  - MAINTAIN 2-FOOT SETBACK FROM CURB TO SHRUBS OR GROUNDCOVER UPON MATURITY.



Plotted By: VanGerpen, Hannah - Sheet: Sct: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: LS03 - March 05, 2024 - 06:42:51pm - K:\PHX-Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista-Corridor\12-Sheets\191466010-LS01.dwg



\*ALL TREES SHALL COMPLY WITH THE LATEST AMENDED EDITION OF THE 'ARIZONA NURSERY ASSOCIATION - RECOMMENDED TREE SPECIFICATIONS'

**PLANTING LEGEND**

TREES			
BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
Acacia aneura Mulga	48" BOX	4	30' O.C. or as Shown
Acacia farnesiana Sweet Acacia	48" BOX	1	30' O.C. or as Shown
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Existing Tree to Remain	-	-	-

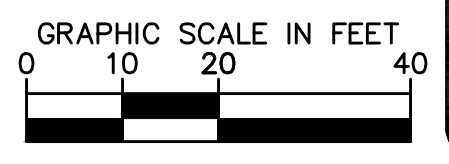
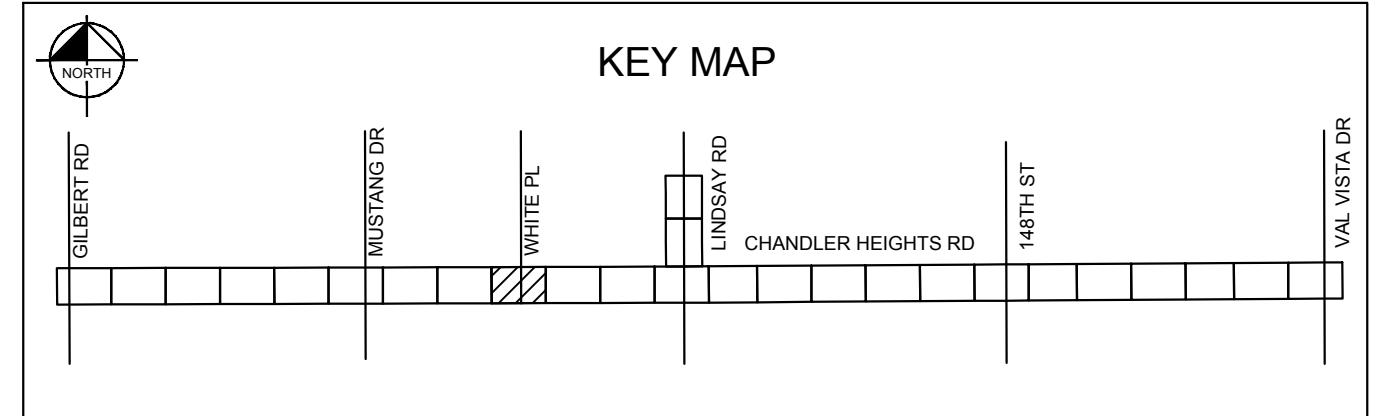
SHRUBS & GROUND COVER			
BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
Calliandra californica Baja Fairy Duster	5 Gal.	4	As Shown
Chrysactinia mexicana Damianita	1 Gal.	36	As Shown
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Euphorbia rigida Gopher Plant	5 Gal.	39	As Shown
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ACCENTS		
BOTANICAL NAME / COMMON NAME	SIZE	QTY
Hesperaloe parviflora 'Brakelights' Brakelights Red Yucca	5 Gal.	12

MISCELLANEOUS		
DESCRIPTION	QTY	
Decomposed Granite Color: Desert Gold, Size: 1 1/4" Screened, 2.5" Depth	4,570 SY	
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Turf Restoration Area	43 SY	

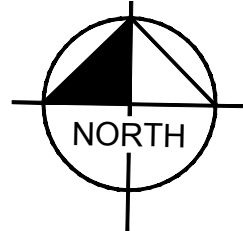
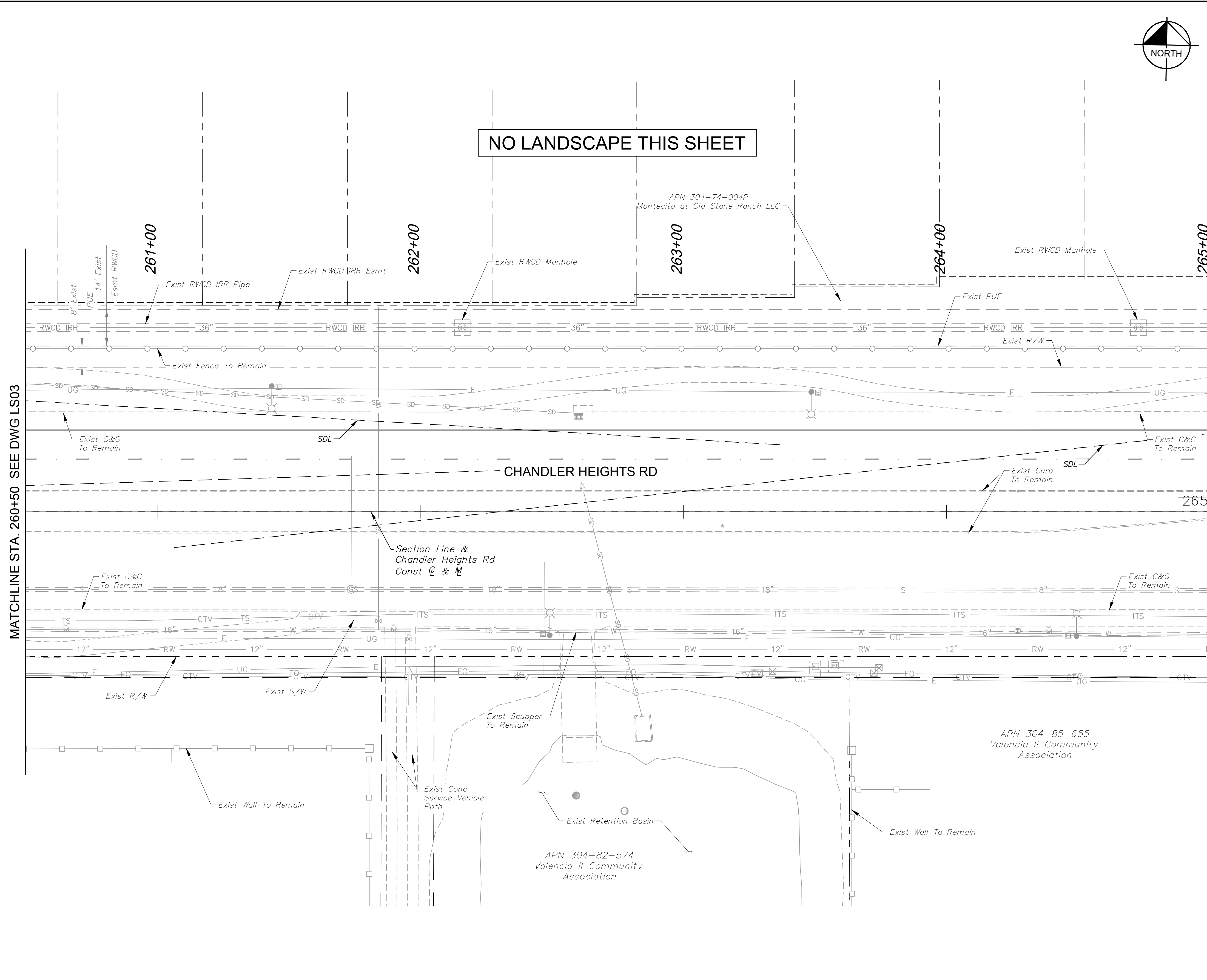
SDL Sight Distance Line  
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- NOTES**
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NO.	DATE	BY					

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### PLANTING LEGEND

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BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
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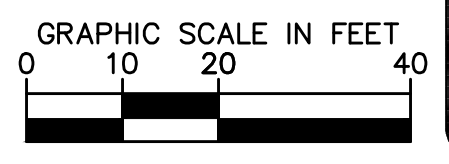
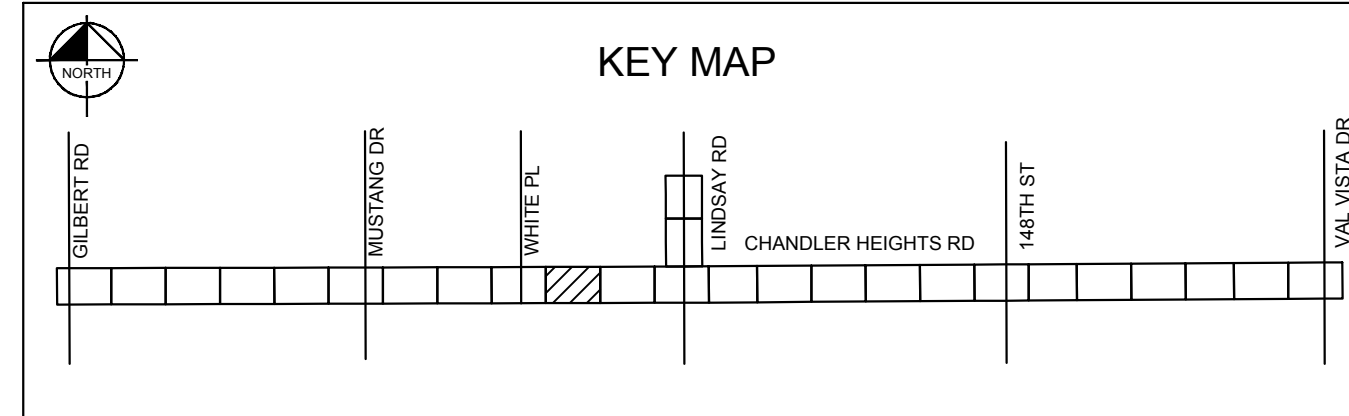
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BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
Calliandra californica Baja Fairy Duster	5 Gal.	4	As Shown
Chrysactinia mexicana Damianita	1 Gal.	36	As Shown
Convolvulus cneorum Bush Morning Glory	5 Gal.	22	As Shown
Euphorbia rigida Gopher Plant	5 Gal.	39	As Shown
Lantana camara 'New Gold' New Gold Lantana	1 Gal.	59	As Shown
Ruellia brittoniana 'Katie' Dwarf Katie Ruellia	1 Gal.	62	As Shown
Tetrandeum acaulis Angelita Daisy	1 Gal.	48	As Shown
Teucrium chamaedrys Germander	1 Gal.	62	As Shown

ACCENTS		
BOTANICAL NAME / COMMON NAME	SIZE	QTY
Hesperaloe parviflora 'Brakelights' Brakelights Red Yucca	5 Gal.	12

MISCELLANEOUS	
DESCRIPTION	QTY
Decomposed Granite Color: Desert Gold, Size: 1 1/4" Screened, 2.5" Depth	4,570 SY
Decomposed Granite Color: Match Existing, Size: 2" Depth Min.	766 SY
Decomposed Granite Color: Express Rose, Size: 1/2" Screened 2" Depth Min.	323 SY
Decomposed Granite Color: Express Caramel, Size: 1/4" Minus, 2" Depth Min.	396 SY
Median Pavers Acker-Stone Industries: Street Stone I (3"x6", 6"x6")/Street Stone II (6"x9") Gila River Color, Random Ashlar Pattern Refer to COC Std Dtl C-225	154 SY
Turf Restoration Area	43 SY

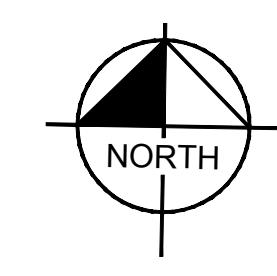
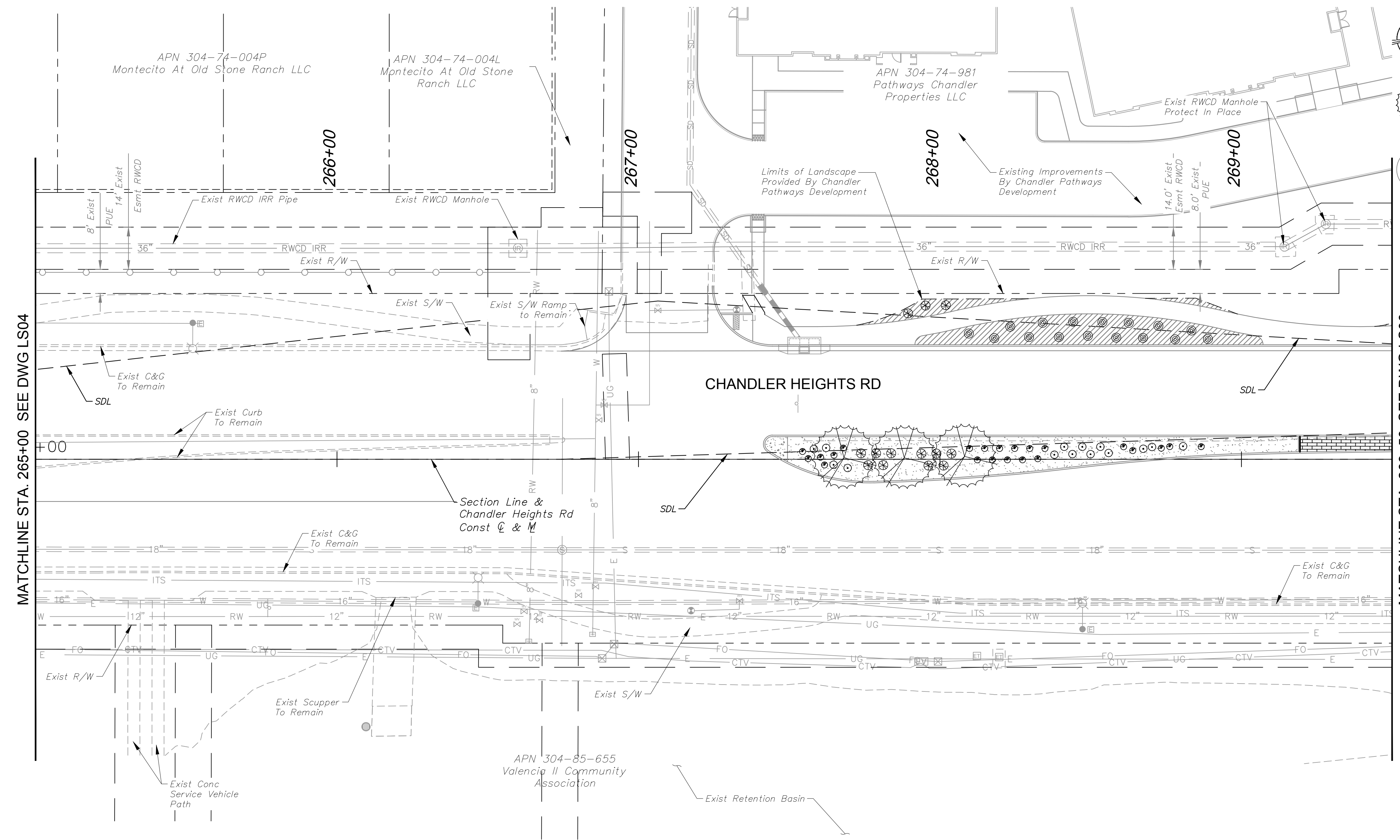
SDL Sight Distance Line  
SVT Sight Visibility Triangle  
Refer to COC Std.  
Dtl's C-246 & C-247

- NOTES**
- PRIOR TO ANY LANDSCAPE OR IRRIGATION CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR/DEVELOPER SHALL NOTIFY THE CITY LANDSCAPE MAINTENANCE AND DESIGN COORDINATOR AT 480-782-3428 AT LEAST 48 HOURS IN ADVANCE OF INSTALLATION WORK.
  - ALL TREES WITHIN VEHICULAR SIGHT DISTANCE/VISIBILITY CLEAR ZONES SHALL HAVE A VERTICAL CANOPY CLEARANCE/CLEAR TRUNK TO 6' ABOVE THE NEAREST CURB ELEVATION, ALL SHRUBS IN THE AREA MAY NOT REACH A MATURE HEIGHT OVER 24".
  - MAINTAIN 2-FOOT SETBACK FROM CURB TO SHRUBS OR GROUND COVER UPON MATURITY.



<p><b>Kimley»Horn</b></p> <p>© 2018 KIMLEY-HORN AND ASSOCIATES, INC. 7740 N. 16th STREET, SUITE 300, PHOENIX, AZ 85020 PHONE: 602-944-5500 FAX: 602-944-7423 WWW.KIMLEY-HORN.COM</p>	<table border="1" style="width: 100%;"> <tr> <th>NO.</th> <th>REVISIONS</th> <th>DATE</th> <th>BY</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	REVISIONS	DATE	BY				
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<p><b>CITY OF CHANDLER</b> <b>CHANDLER HEIGHTS RD IMPROVEMENTS</b> <b>LANDSCAPE PLAN</b> <b>STA 260+50 TO STA 265+00</b></p>									
<p>CITY PROJECT NO. ST1804.401 FEDERAL NO. CHN-0244JD ADOT NO. T0203.01C</p>									
<p>SHEET DWG LS04</p> <p>99 OF 135</p>									
<p>C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS</p>									

Plotted By: VanGerpen, Hannah - Sheet: Sct: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: LS07 - March 05, 2024 - 06:43:36pm - K:\PHX\_Roadwork\191466010-Chandler Heights Rd-Gilbert to Val Vista Cor'd V2-Sheets\191466010-LS02.dwg



### PLANTING LEGEND

**TREES**

BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
Acacia aneura Mulga	48" BOX	4	30' O.C. or as Shown
Acacia farnesiana Sweet Acacia	48" BOX	1	30' O.C. or as Shown
Dalbergia sissoo American Rosewood	48" BOX	8	30' O.C. or as Shown
Quercus virginiana Live Oak	48" BOX	3	30' O.C. or as Shown
Ulmus parvifolia Chinese Elm	48" BOX	5	30' O.C. or as Shown
Existing Tree to Remain	-	-	-

**SHRUBS & GROUND COVER**

BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
Calliandra californica Baja Fairy Duster	5 Gal.	4	As Shown
Chrysactinia mexicana Damianita	1 Gal.	36	As Shown
Convolvulus cneorum Bush Morning Glory	5 Gal.	22	As Shown
Euphorbia rigida Gopher Plant	5 Gal.	39	As Shown
Lantana camara 'New Gold' New Gold Lantana	1 Gal.	59	As Shown
Ruellia brittoniana 'Katie' Dwarf Katie Ruellia	1 Gal.	62	As Shown
Tetranneuris acaulis Angelita Daisy	1 Gal.	48	As Shown
Teucrium chamaedrys Germander	1 Gal.	62	As Shown

**ACCENTS**

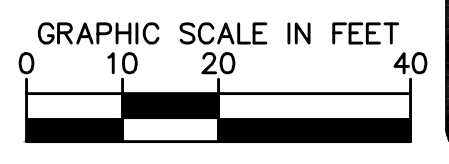
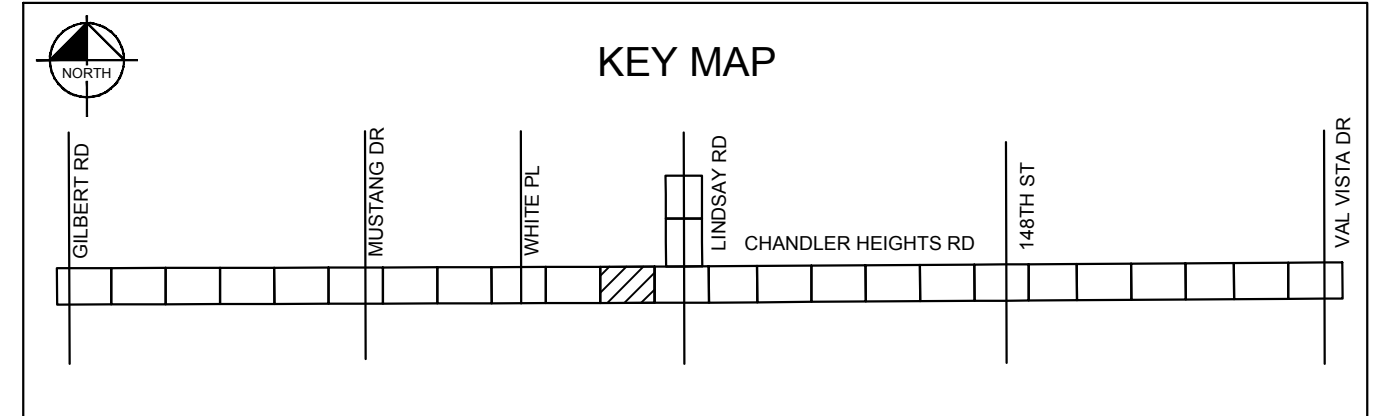
BOTANICAL NAME / COMMON NAME	SIZE	QTY
Hesperaloe parviflora 'Brakelights' Brakelights Red Yucca	5 Gal.	12

**MISCELLANEOUS**

DESCRIPTION	QTY
Decomposed Granite Color: Desert Gold, Size: 1 1/4" Screened, 2.5" Depth	4,570 SY
Decomposed Granite Color: Match Existing, Size: 2" Depth Min.	766 SY
Decomposed Granite Color: Express Rose, Size: 1/2" Screened 2" Depth Min.	323 SY
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Turf Restoration Area	43 SY

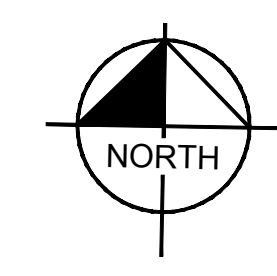
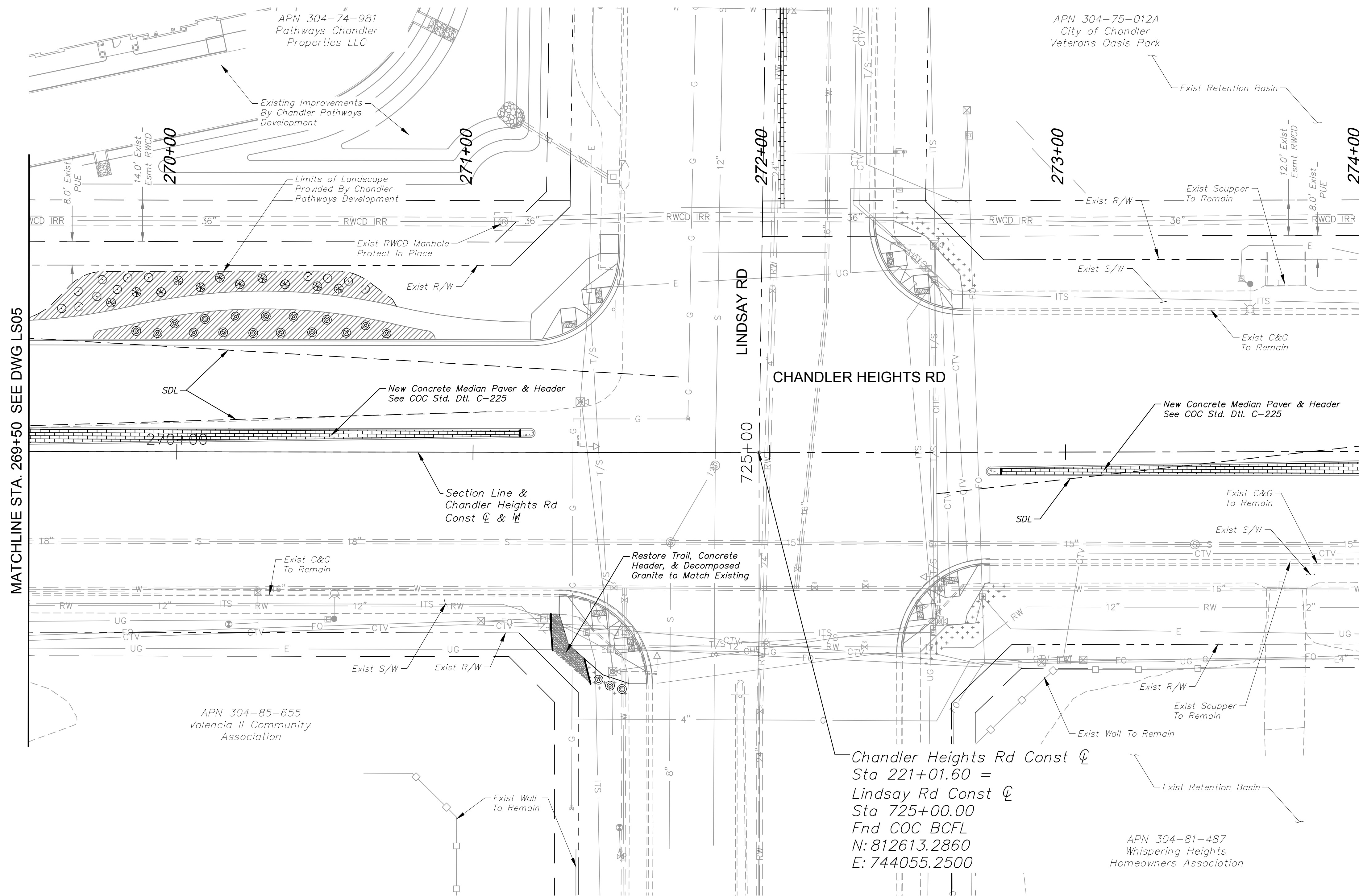
SDL Sight Distance Line  
 SVT Sight Visibility Triangle  
 Refer to COC Std.  
 Dtl's: C-246 & C-247

- NOTES**
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  - ALL TREES WITHIN VEHICULAR SIGHT DISTANCE/VISIBILITY CLEAR ZONES SHALL HAVE A VERTICAL CANOPY CLEARANCE/CLEAR TRUNK TO 6' ABOVE THE NEAREST CURB ELEVATION, ALL SHRUBS IN THE AREA MAY NOT REACH A MATURE HEIGHT OVER 24".
  - MAINTAIN 2-FOOT SETBACK FROM CURB TO SHRUBS OR GROUND COVER UPON MATURITY.



<p><b>Kimley»Horn</b></p> <p>© 2018 KIMLEY-HORN AND ASSOCIATES, INC.        7740 N. 16th STREET, SUITE 300, PHOENIX, AZ 85020        PHONE: 602-944-5500 FAX: 602-944-7423        WWW.KIMLEY-HORN.COM</p> <p>ANNE DEBOARD        ARIZONA, U.S.A.        Expires 03/31/2025</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">NO.</td> <td style="width: 10%;">REVISIONS</td> <td style="width: 10%;">DATE</td> <td style="width: 10%;">BY</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">           CITY OF CHANDLER            CHANDLER HEIGHTS RD IMPROVEMENTS            LANDSCAPE PLAN            STA 265+00 TO STA 269+50            C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS         </p> <p>           CITY PROJECT NO. ST1804.401            FEDERAL NO. CHN-0244JD            ADOT NO. T0203.01C         </p> <p>           SHEET DWG LS05            100 OF 135         </p>	NO.	REVISIONS	DATE	BY				
NO.	REVISIONS	DATE	BY						

Plotted By: VanGerpen, Hannah - Sheet: Sct: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: LS06 - March 05, 2024 - 06:43:41pm - K:\PHX-Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista Cor'd V12-Sheets\191466010-LS02.dwg



### PLANTING LEGEND

TREES			
BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
Acacia aneura Mulga	48" BOX	4	30' O.C. or as Shown
Acacia farnesiana Sweet Acacia	48" BOX	1	30' O.C. or as Shown
Dalbergia sissoo American Rosewood	48" BOX	8	30' O.C. or as Shown
Quercus virginiana Live Oak	48" BOX	3	30' O.C. or as Shown
Ulmus parvifolia Chinese Elm	48" BOX	5	30' O.C. or as Shown
Existing Tree to Remain	-	-	-

SHRUBS & GROUNDCOVER			
BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
Calliandra californica Baja Fairy Duster	5 Gal.	4	As Shown
Chrysactinia mexicana Damianita	1 Gal.	36	As Shown
Convolvulus cneorum Bush Morning Glory	5 Gal.	22	As Shown
Euphorbia rigida Gopher Plant	5 Gal.	39	As Shown
Lantana camara 'New Gold' New Gold Lantana	1 Gal.	59	As Shown
Ruellia brittoniana 'Katie' Dwarf Katie Ruellia	1 Gal.	62	As Shown
Tetrandeum acaulis Angelita Daisy	1 Gal.	48	As Shown
Teucrium chamaedrys Germander	1 Gal.	62	As Shown

ACCENTS		
BOTANICAL NAME / COMMON NAME	SIZE	QTY
Hesperaloe parviflora 'Brakelights' Brakelights Red Yucca	5 Gal.	12

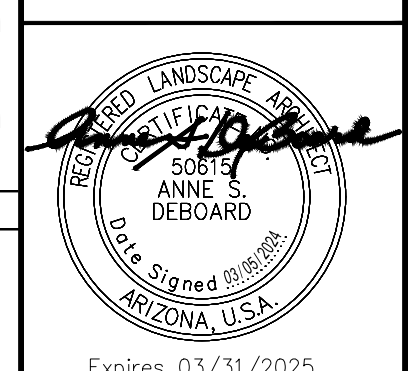
MISCELLANEOUS	
DESCRIPTION	QTY
Decomposed Granite Color: Desert Gold, Size: 1 1/4" Screened, 2.5" Depth	4,570 SY
Decomposed Granite Color: Match Existing, Size: 2" Depth Min.	766 SY
Decomposed Granite Color: Express Rose, Size: 1/2" Screened 2" Depth Min.	323 SY
Decomposed Granite Color: Express Caramel, Size: 1/4" Minus, 2" Depth Min.	396 SY
Median Pavers Acker-Stone Industries: Street Stone I (3"x6", 6"x6")/Street Stone II (6"x9") Gila River Color, Random Ashlar Pattern Refer to COC Std Dtl C-225	154 SY
Turf Restoration Area	43 SY

SDL Sight Distance Line  
 SVT Sight Visibility Triangle  
 Refer to COC Std.  
 Dtl's: C-246 & C-247

\*ALL TREES SHALL COMPLY WITH THE LATEST AMENDED EDITION OF THE 'ARIZONA NURSERY ASSOCIATION - RECOMMENDED TREE SPECIFICATIONS'

NO.	REVISIONS	DATE	BY

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 WWW.KIMLEY-HORN.COM

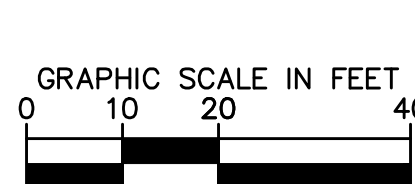
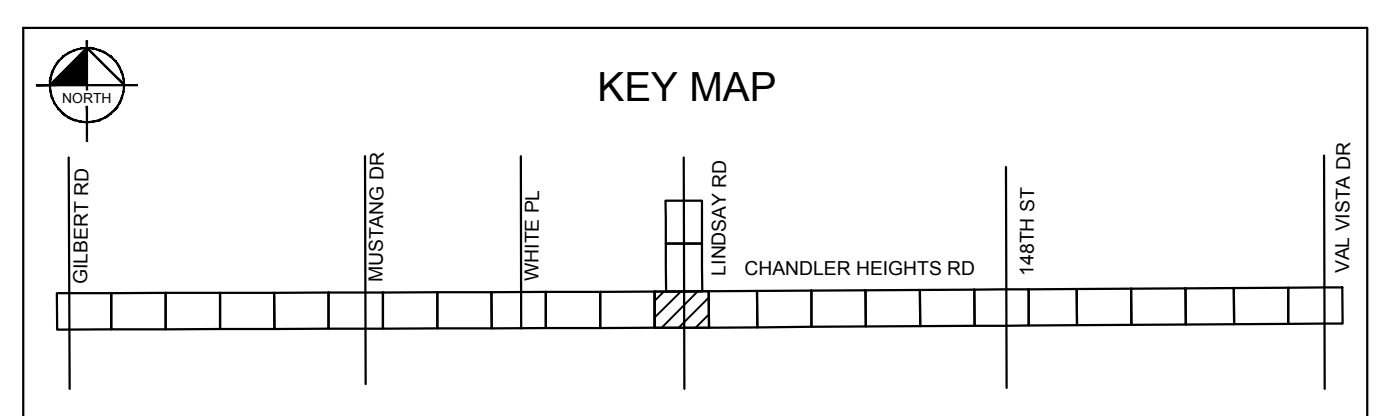


SCALE (H): 1"=20'  
 SCALE (V): N/A  
 DESIGNED BY: JLW  
 DRAWN BY: JLW  
 CHECKED BY: ASD  
 DATE: 03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 LANDSCAPE PLAN  
 STA 269+50 TO STA 274+00  
 CHANDLER HEIGHTS ROAD IMPROVEMENTS

CITY PROJECT NO. ST1804.401  
 FEDERAL NO. CHN-0244JD  
 ADOT NO. T0203.01C  
 SHEET DWG LS06  
 101 OF 135

- NOTES**
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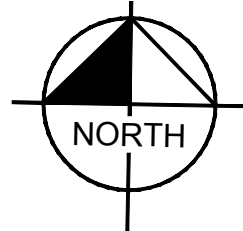
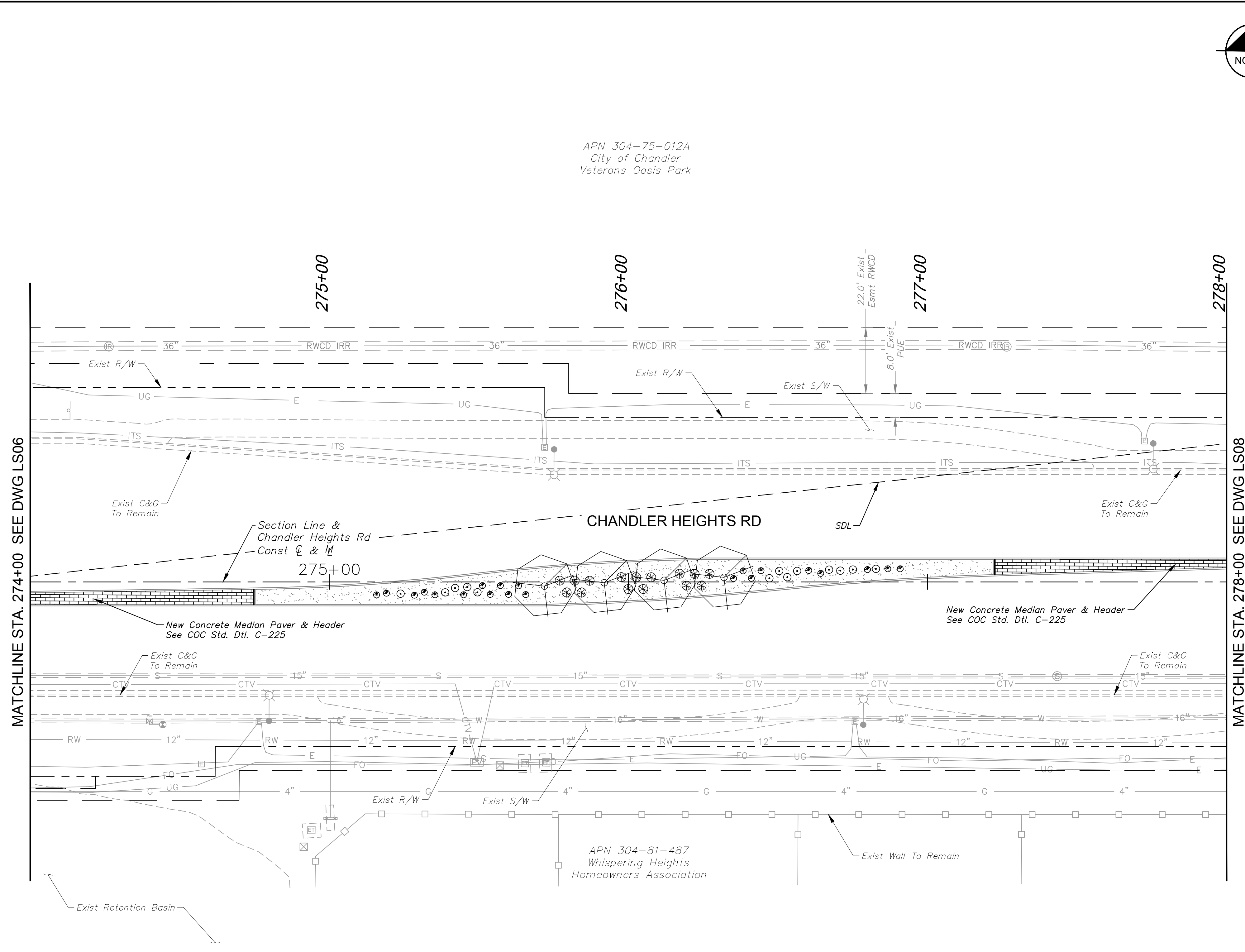


C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah - Sheet: Sct: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: LS09 - March 05, 2024 - 06:43:45pm - K:\PHX\_Roadwork\191466010-Chandler Heights Rd-Gilbert to Val Vista-Cad\12-Sheets\191466010-LS02.dwg

APN 304-75-012A  
City of Chandler  
Veterans Oasis Park

APN 304-81-487  
Whispering Heights  
Homeowners Association



**PLANTING LEGEND**

TREES			
BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
Acacia aneura Mulga	48" BOX	4	30' O.C. or as Shown
Acacia farnesiana Sweet Acacia	48" BOX	1	30' O.C. or as Shown
Dalbergia sissoo American Rosewood	48" BOX	8	30' O.C. or as Shown
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Ulmus parvifolia Chinese Elm	48" BOX	5	30' O.C. or as Shown
Existing Tree to Remain	-	-	-

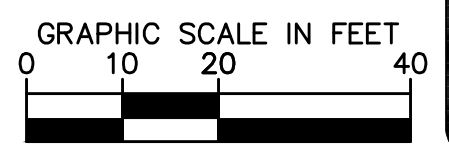
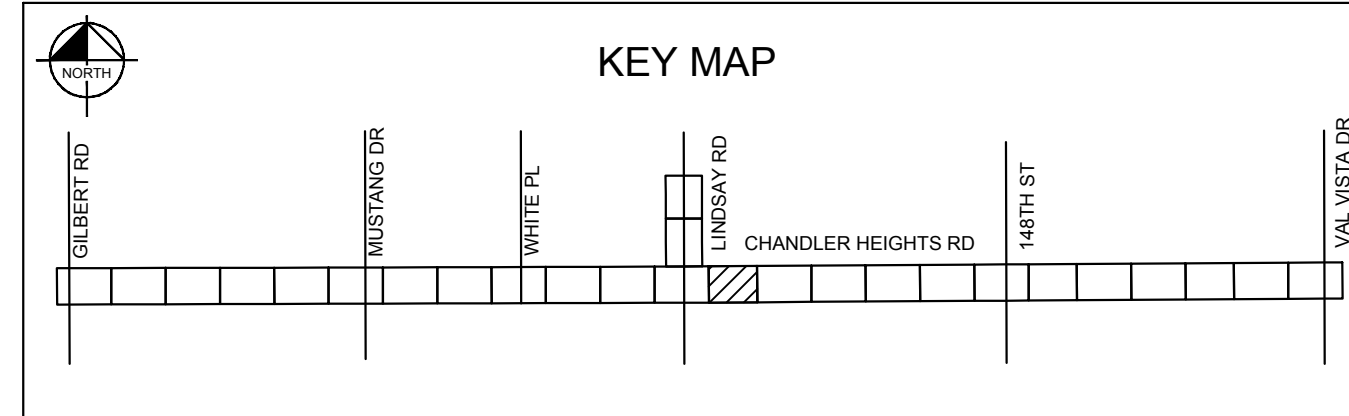
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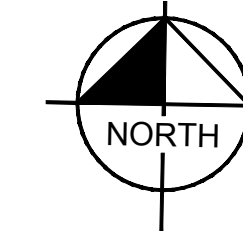
SDL Sight Distance Line  
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Refer to COC Std.  
Dtl's C-246 & C-247

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<p>CITY PROJECT NO. ST1804.401 FEDERAL NO. CHN-0244JD ADOT NO. T0203.01C</p>									
<p>SHEET DWG LS07</p>									
<p>102 OF 135</p>									
<p>C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS</p>	<table border="1"> <tr> <th>NO.</th> <th>REVISIONS</th> <th>DATE</th> <th>BY</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	REVISIONS	DATE	BY				
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APN 304-75-012A  
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Veterans Oasis Park



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**PLANTING LEGEND**

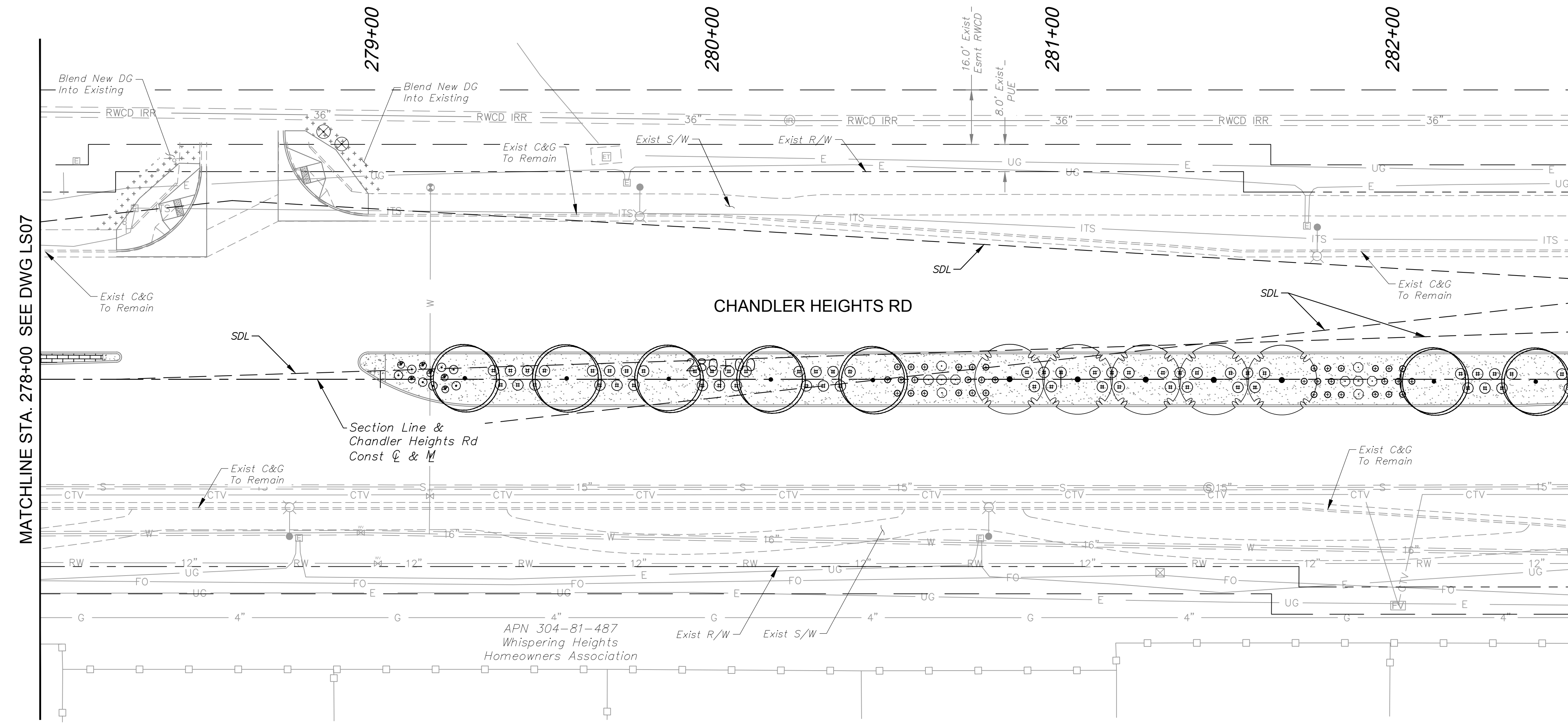
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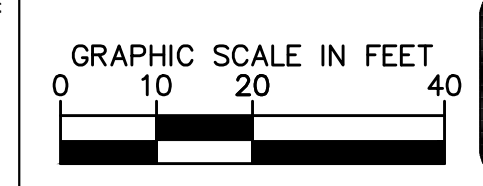
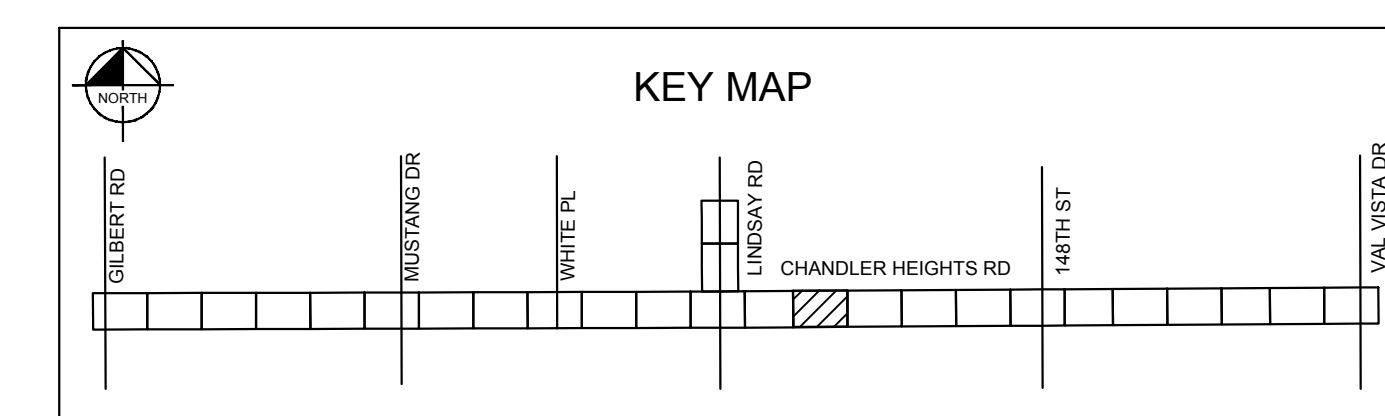
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Turf Restoration Area	43 SY

SDL Sight Distance Line  
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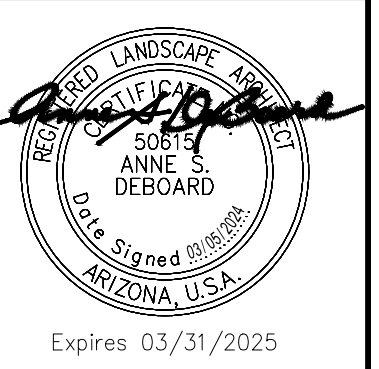
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NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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PHONE: 602-944-5500 FAX: 602-944-7423  
WWW.KIMLEY-HORN.COM



SCALE (H): 1"=20'  
SCALE (V): N/A  
DESIGNED BY: JLW  
DRAWN BY: JLW  
CHECKED BY: ASD  
DATE: 03/2024

CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
LANDSCAPE PLAN  
STA 278+00 TO STA 282+50  
C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

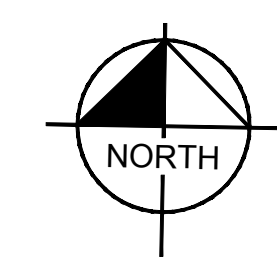
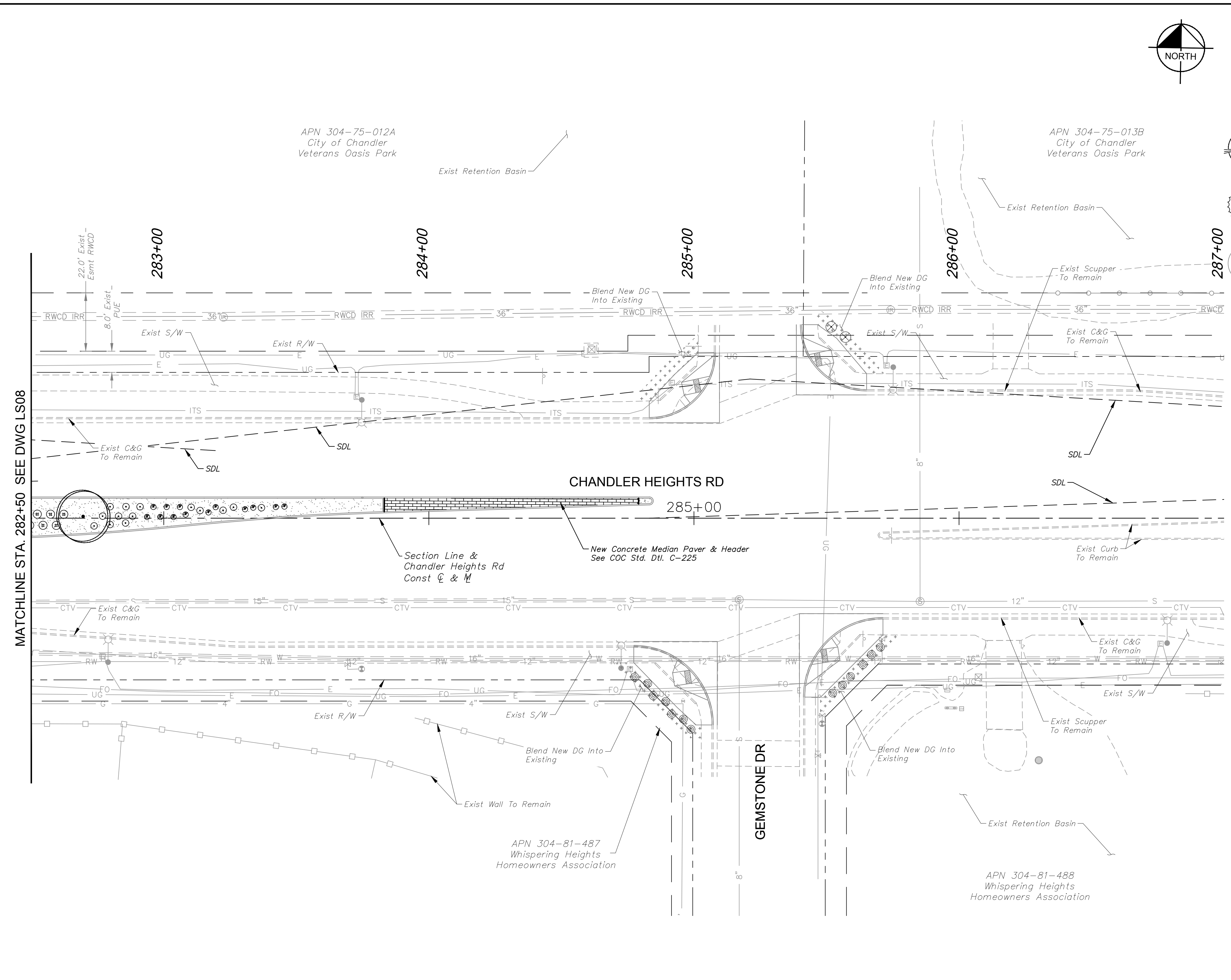
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FEDERAL NO. CHN-0244JD  
ADOT NO. T0203.01C

SHEET DWG LS08  
103 OF 135

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\*ALL TREES SHALL COMPLY WITH THE LATEST AMENDED EDITION OF THE 'ARIZONA NURSERY ASSOCIATION - RECOMMENDED TREE SPECIFICATIONS'

**PLANTING LEGEND**

TREES			
BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
Acacia aneura Mulga	48" BOX	4	30' O.C. or as Shown
Acacia farnesiana Sweet Acacia	48" BOX	1	30' O.C. or as Shown
Dalbergia sissoo American Rosewood	48" BOX	8	30' O.C. or as Shown
Quercus virginiana Live Oak	48" BOX	3	30' O.C. or as Shown
Ulmus parvifolia Chinese Elm	48" BOX	5	30' O.C. or as Shown
Existing Tree to Remain	-	-	-

**SHRUBS & GROUND COVER**

BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
Calliandra californica Baja Fairy Duster	5 Gal.	4	As Shown
Chrysactinia mexicana Damianita	1 Gal.	36	As Shown
Convolvulus cneorum Bush Morning Glory	5 Gal.	22	As Shown
Euphorbia rigida Gopher Plant	5 Gal.	39	As Shown
Lantana camara 'New Gold' New Gold Lantana	1 Gal.	59	As Shown
Ruellia brittoniana 'Katie' Dwarf Katie Ruellia	1 Gal.	62	As Shown
Tetranneuris acaulis Angelita Daisy	1 Gal.	48	As Shown
Teucrium chamaedrys Germander	1 Gal.	62	As Shown

**ACCENTS**

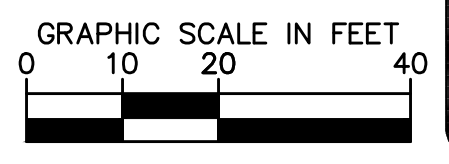
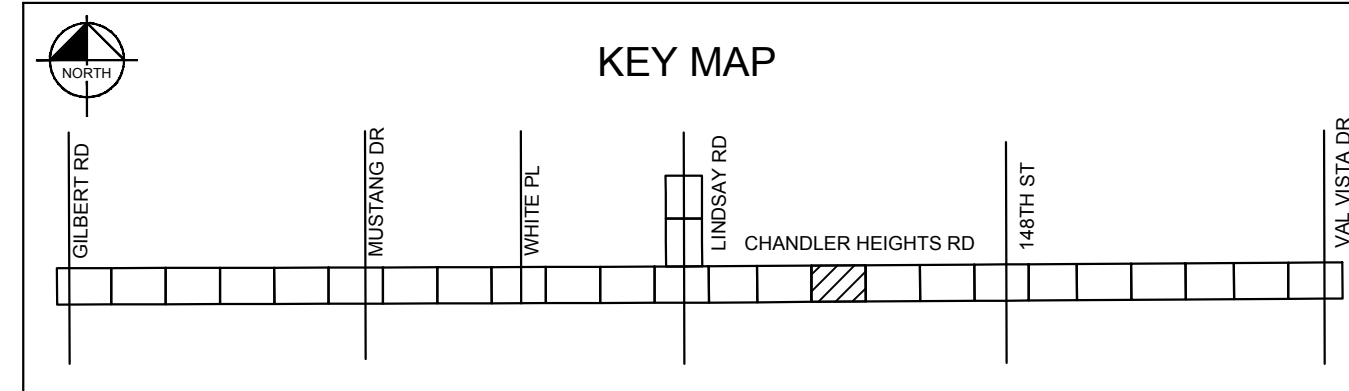
BOTANICAL NAME / COMMON NAME	SIZE	QTY
Hesperaloe parviflora 'Brakelights' Brakelights Red Yucca	5 Gal.	12

**MISCELLANEOUS**

DESCRIPTION	QTY
Decomposed Granite Color: Desert Gold, Size: 1 1/4" Screened, 2.5" Depth	4,570 SY
Decomposed Granite Color: Match Existing, Size: 2" Depth Min.	766 SY
Decomposed Granite Color: Express Rose, Size: 1/2" Screened 2" Depth Min.	323 SY
Decomposed Granite Color: Express Caramel, Size: 1/4" Minus, 2" Depth Min.	396 SY
Median Pavers Acker-Stone Industries: Street Stone I (3"x6", 6"x6")/Street Stone II (6"x9") Gila River Color, Random Ashlar Pattern Refer to COC Std Dtl C-225	154 SY
Turf Restoration Area	43 SY

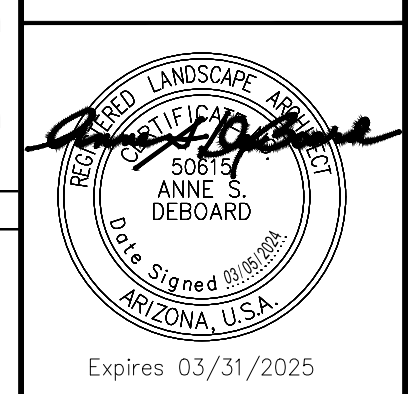
SDL Sight Distance Line  
 SVT Sight Visibility Triangle  
 Refer to COC Std. Dtl's C-246 & C-247

- NOTES**
- PRIOR TO ANY LANDSCAPE OR IRRIGATION CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR/DEVELOPER SHALL NOTIFY THE CITY LANDSCAPE MAINTENANCE AND DESIGN COORDINATOR AT 480-782-3428 AT LEAST 48 HOURS IN ADVANCE OF INSTALLATION WORK.
  - ALL TREES WITHIN VEHICULAR SIGHT DISTANCE/VISIBILITY CLEAR ZONES SHALL HAVE A VERTICAL CANOPY CLEARANCE/CLEAR TRUNK TO 6' ABOVE THE NEAREST CURB ELEVATION, ALL SHRUBS IN THE AREA MAY NOT REACH A MATURE HEIGHT OVER 24".
  - MAINTAIN 2-FOOT SETBACK FROM CURB TO SHRUBS OR GROUND COVER UPON MATURITY.



NO.	REVISIONS	DATE	BY

**Kimley»Horn**  
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 7740 N. 16th STREET, SUITE 300, PHOENIX, AZ 85020  
 PHONE: 602-944-5500 FAX: 602-944-7423  
 WWW.KIMLEY-HORN.COM

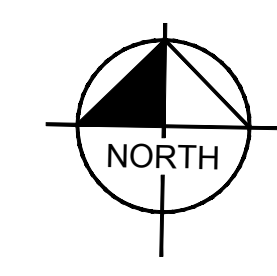
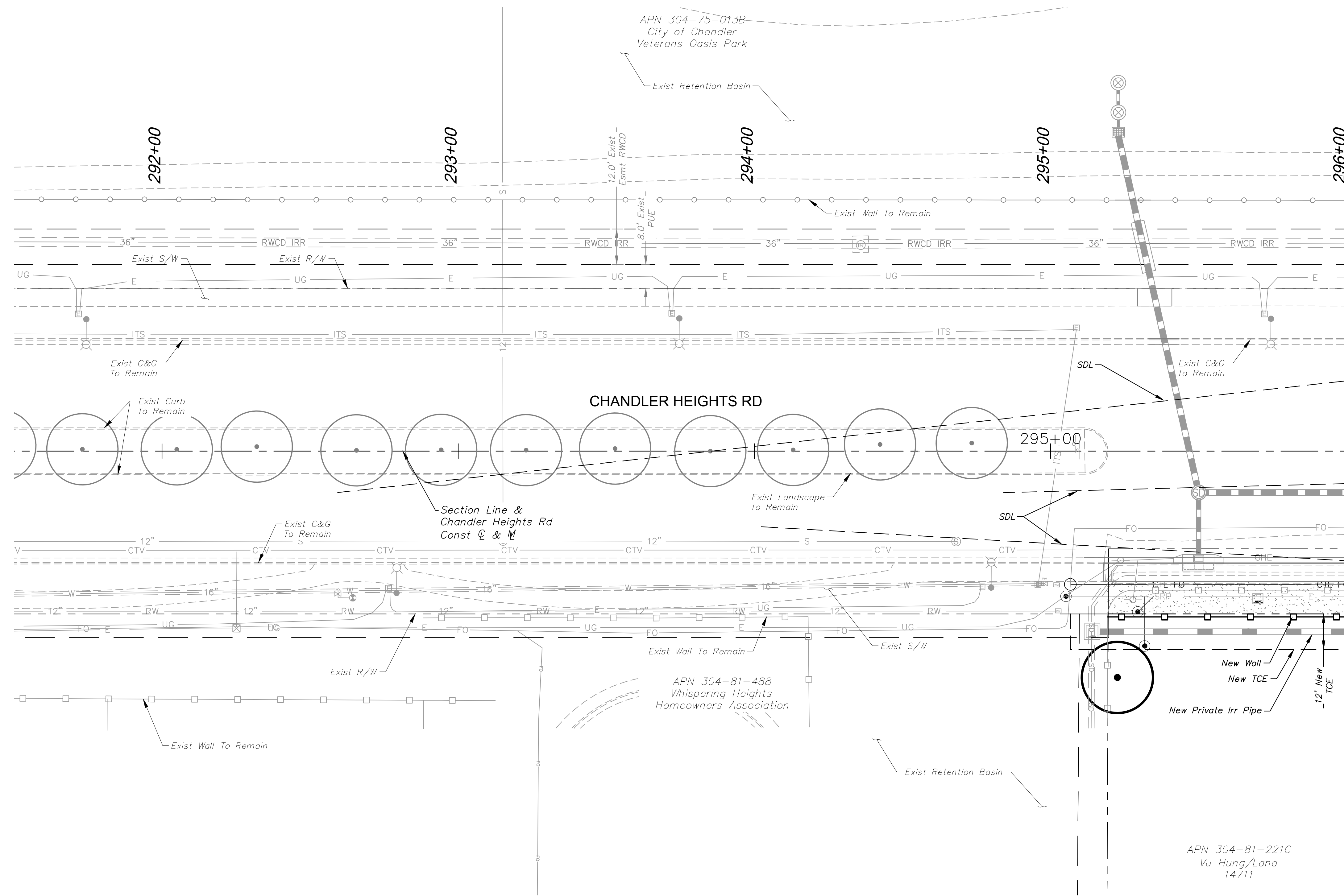


SCALE (H): 1"=20'  
 SCALE (V): N/A  
 DESIGNED BY: JLW  
 DRAWN BY: JLW  
 CHECKED BY: ASD  
 DATE: 03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 LANDSCAPE PLAN  
 STA 282+50 TO STA 287+00  
 C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

CITY PROJECT NO. ST1804.401  
 FEDERAL NO. CHN-0244JD  
 ADOT NO. T0203.01C  
 SHEET DWG LS09  
 104 OF 135

Plotted By: VanGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: LS12 - March 05, 2024 - 06:43:58pm - K:\PHX-Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista-Corridor\12-Sheets\191466010-LS02.dwg



### PLANTING LEGEND

TREES			
BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
Acacia aneura Mulga	48" BOX	4	30' O.C. or as Shown
Acacia farnesiana Sweet Acacia	48" BOX	1	30' O.C. or as Shown
Dalbergia sissoo American Rosewood	48" BOX	8	30' O.C. or as Shown
Quercus virginiana Live Oak	48" BOX	3	30' O.C. or as Shown
Ulmus parvifolia Chinese Elm	48" BOX	5	30' O.C. or as Shown
Existing Tree to Remain	-	-	-

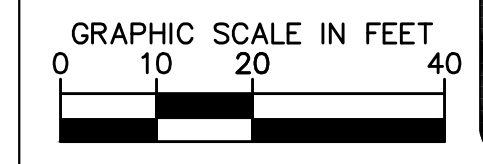
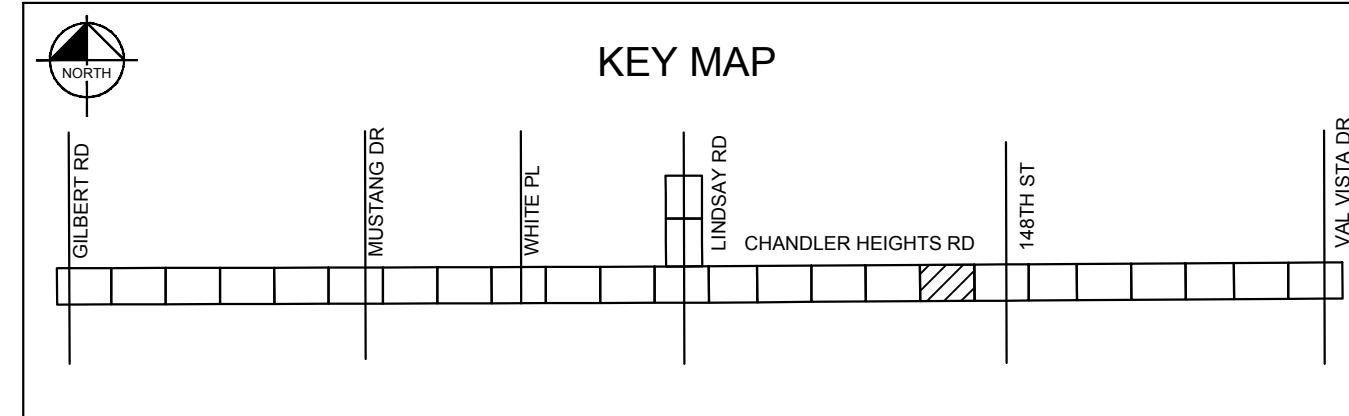
SHRUBS & GROUNDCOVER			
BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
Calliandra californica Baja Fairy Duster	5 Gal.	4	As Shown
Chrysactinia mexicana Damianita	1 Gal.	36	As Shown
Convolvulus cneorum Bush Morning Glory	5 Gal.	22	As Shown
Euphorbia rigida Gopher Plant	5 Gal.	39	As Shown
Lantana camara 'New Gold' New Gold Lantana	1 Gal.	59	As Shown
Ruellia brittoniana 'Katie' Dwarf Katie Ruellia	1 Gal.	62	As Shown
Tetranneuris acaulis Angelita Daisy	1 Gal.	48	As Shown
Teucrium chamaedrys Germander	1 Gal.	62	As Shown

ACCENTS		
BOTANICAL NAME / COMMON NAME	SIZE	QTY
Hesperaloe parviflora 'Brakelights' Brakelights Red Yucca	5 Gal.	12

MISCELLANEOUS	
DESCRIPTION	QTY
Decomposed Granite Color: Desert Gold, Size: 1 1/4" Screened, 2.5" Depth	4,570 SY
Decomposed Granite Color: Match Existing, Size: 2" Depth Min.	766 SY
Decomposed Granite Color: Express Rose, Size: 1/2" Screened 2" Depth Min.	323 SY
Decomposed Granite Color: Express Caramel, Size: 1/4" Minus, 2" Depth Min.	396 SY
Median Pavers Acker-Stone Industries: Street Stone I (3"x6", 6"x6")/Street Stone II (6"x9") Gila River Color, Random Ashlar Pattern Refer to COC Std Dtl C-225	154 SY
Turf Restoration Area	43 SY

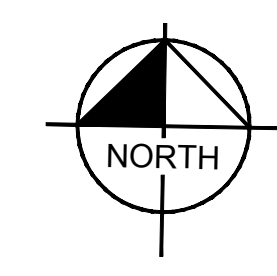
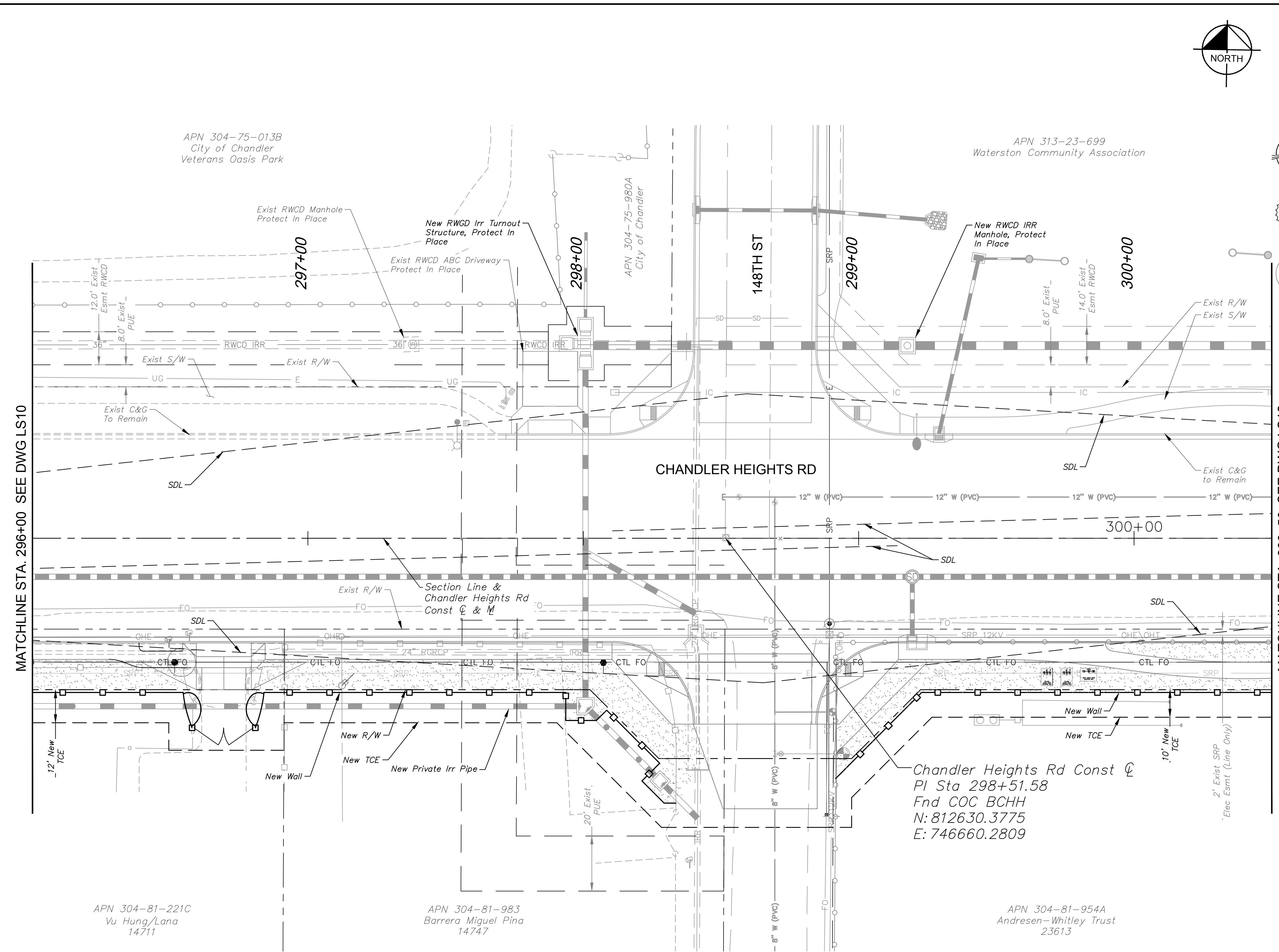
SDL Sight Distance Line  
SVT Sight Visibility Triangle  
Refer to COC Std.  
Dtl's: C-246 & C-247

- NOTES**
- PRIOR TO ANY LANDSCAPE OR IRRIGATION CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR/DEVELOPER SHALL NOTIFY THE CITY LANDSCAPE MAINTENANCE AND DESIGN COORDINATOR AT 480-782-3428 AT LEAST 48 HOURS IN ADVANCE OF INSTALLATION WORK.
  - ALL TREES WITHIN VEHICULAR SIGHT DISTANCE/VISIBILITY CLEAR ZONES SHALL HAVE A VERTICAL CANOPY CLEARANCE/CLEAR TRUNK TO 6' ABOVE THE NEAREST CURB ELEVATION, ALL SHRUBS IN THE AREA MAY NOT REACH A MATURE HEIGHT OVER 24".
  - MAINTAIN 2-FOOT SETBACK FROM CURB TO SHRUBS OR GROUNDCOVER UPON MATURITY.



<p><b>Kimley»Horn</b></p> <p>© 2018 KIMLEY-HORN AND ASSOCIATES, INC. 7740 N. 16th STREET, SUITE 300, PHOENIX, AZ 85020 PHONE: 602-944-5500 FAX: 602-944-7423 WWW.KIMLEY-HORN.COM</p>							
<p><b>CITY OF CHANDLER</b> <b>CHANDLER HEIGHTS RD IMPROVEMENTS</b> <b>LANDSCAPE PLAN</b> <b>STA 291+50 TO STA 296+00</b></p>							
<p>CITY PROJECT NO. ST1804.401 FEDERAL NO. CHN-00244D ADOT NO. T0203.01C</p>							
<p>SHEET DWG LS10 105 OF 135</p>							
<p>C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS</p>							

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### PLANTING LEGEND

TREES			
BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
Acacia aneura Mulga	48" BOX	4	30' O.C. or as Shown
Acacia farnesiana Sweet Acacia	48" BOX	1	30' O.C. or as Shown
Dalbergia sissoo American Rosewood	48" BOX	8	30' O.C. or as Shown
Quercus virginiana Live Oak	48" BOX	3	30' O.C. or as Shown
Ulmus parvifolia Chinese Elm	48" BOX	5	30' O.C. or as Shown
Existing Tree to Remain	-	-	-

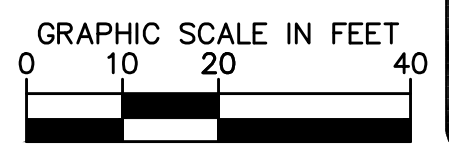
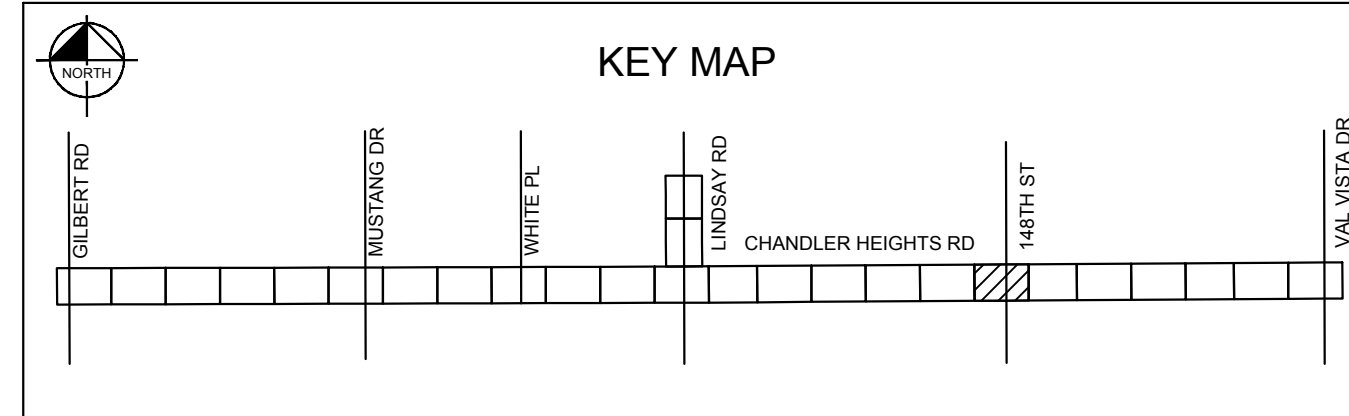
SHRUBS & GROUND COVER			
BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
Calliandra californica Baja Fairy Duster	5 Gal.	4	As Shown
Chrysactinia mexicana Damianita	1 Gal.	36	As Shown
Convolvulus cneorum Bush Morning Glory	5 Gal.	22	As Shown
Euphorbia rigida Gopher Plant	5 Gal.	39	As Shown
Lantana camara 'New Gold' New Gold Lantana	1 Gal.	59	As Shown
Ruellia brittoniana 'Katie' Dwarf Katie Ruellia	1 Gal.	62	As Shown
Tetranneuris acaulis Angelita Daisy	1 Gal.	48	As Shown
Teucrium chamaedrys Germander	1 Gal.	62	As Shown

ACCENTS		
BOTANICAL NAME / COMMON NAME	SIZE	QTY
Hesperaloe parviflora 'Brakelights' Brakelights Red Yucca	5 Gal.	12

MISCELLANEOUS	
DESCRIPTION	QTY
Decomposed Granite Color: Desert Gold, Size: 1 1/4" Screened, 2.5" Depth	4,570 SY
Decomposed Granite Color: Match Existing, Size: 2" Depth Min.	766 SY
Decomposed Granite Color: Express Rose, Size: 1/2" Screened 2" Depth Min.	323 SY
Decomposed Granite Color: Express Caramel, Size: 1/4" Minus, 2" Depth Min.	396 SY
Median Pavers Acker-Stone Industries: Street Stone I (3"x6", 6"x6")/Street Stone II (6"x9") Gila River Color, Random Ashlar Pattern Refer to COC Std Dtl C-225	154 SY
Turf Restoration Area	43 SY

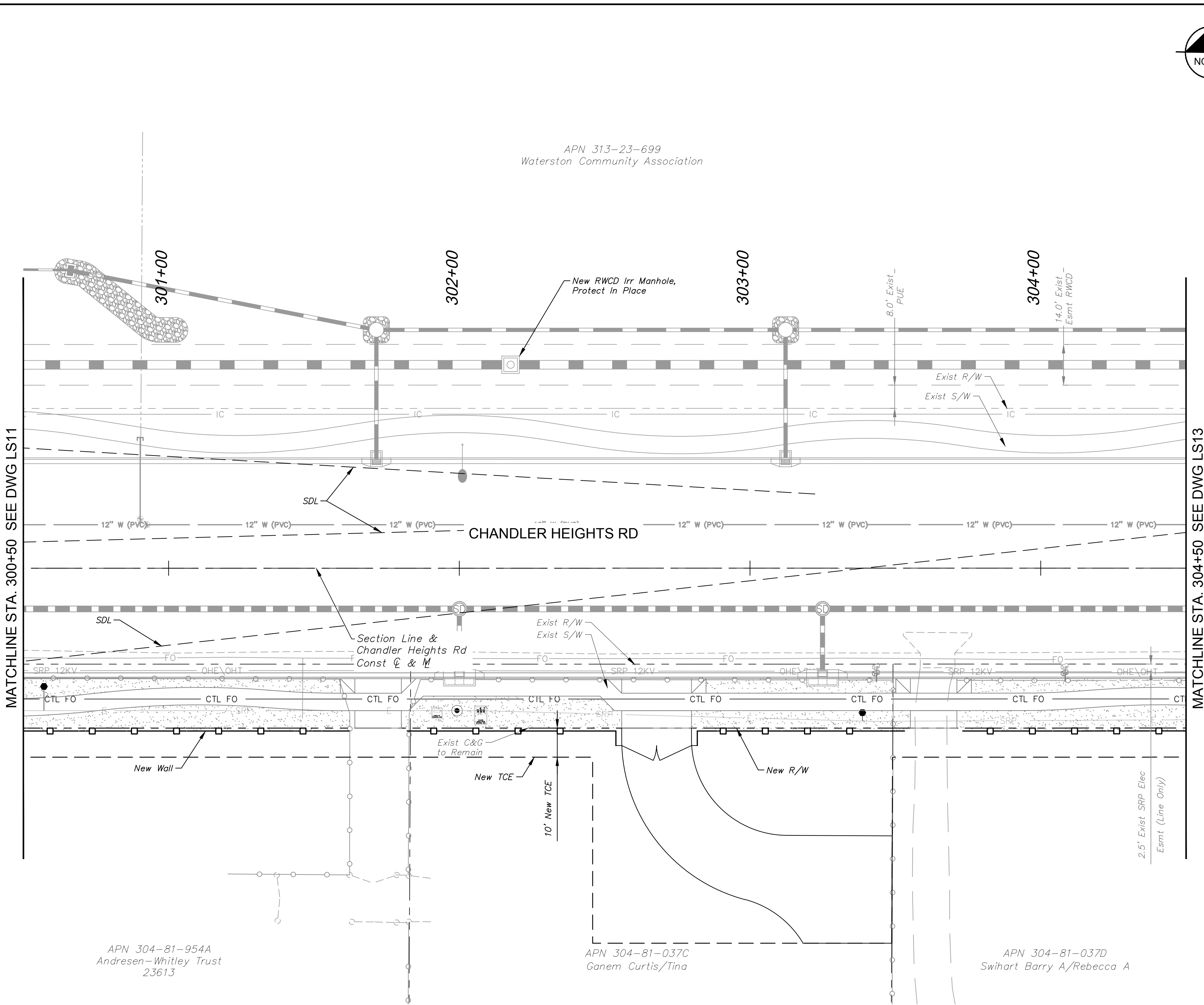
SDL Sight Distance Line  
SVT Sight Visibility Triangle  
Refer to COC Std.  
Dtl's: C-246 & C-247

- NOTES**
- PRIOR TO ANY LANDSCAPE OR IRRIGATION CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR/DEVELOPER SHALL NOTIFY THE CITY LANDSCAPE MAINTENANCE AND DESIGN COORDINATOR AT 480-782-3428 AT LEAST 48 HOURS IN ADVANCE OF INSTALLATION WORK.
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<b>CITY OF CHANDLER</b> <b>CHANDLER HEIGHTS RD IMPROVEMENTS</b> <b>LANDSCAPE PLAN</b> <b>STA 296+00 TO STA 300+50</b> CHANDLER HEIGHTS ROAD IMPROVEMENTS							
CITY PROJECT NO. ST1804.401 FEDERAL NO. CHN-00244JD ADOT NO. T0203.01C	SHEET DWG LS11 106 OF 135						
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NO.	DATE	BY					

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MATCHLINE STA. 300+50 SEE DWG LS11

MATCHLINE STA. 304+50 SEE DWG LS13

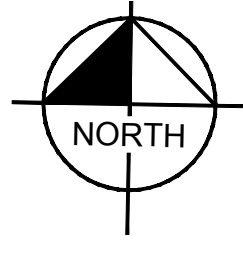
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Waterston Community Association

APN 304-81-954A  
Andresen-Whitley Trust  
23613

APN 304-81-037C  
Ganem Curtis/Tina

APN 304-81-037D  
Swihart Barry A/Rebecca A

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**PLANTING LEGEND**

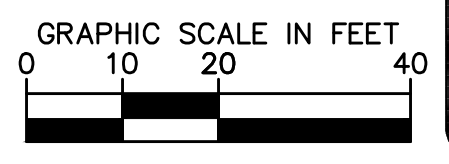
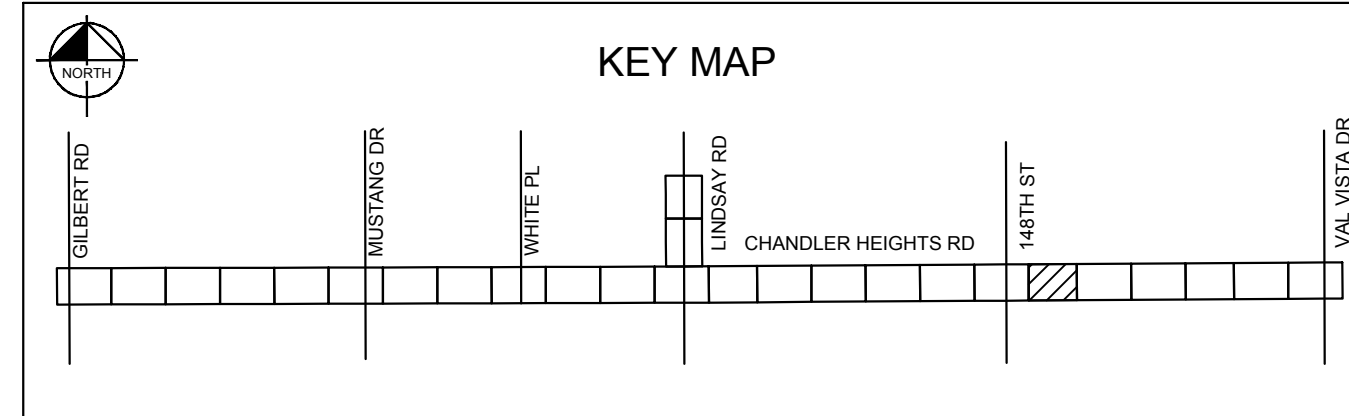
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Existing Tree to Remain	-	-	-

SHRUBS & GROUNDCOVER			
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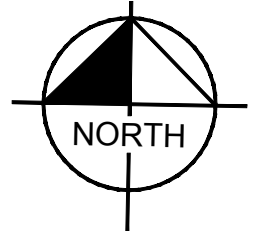
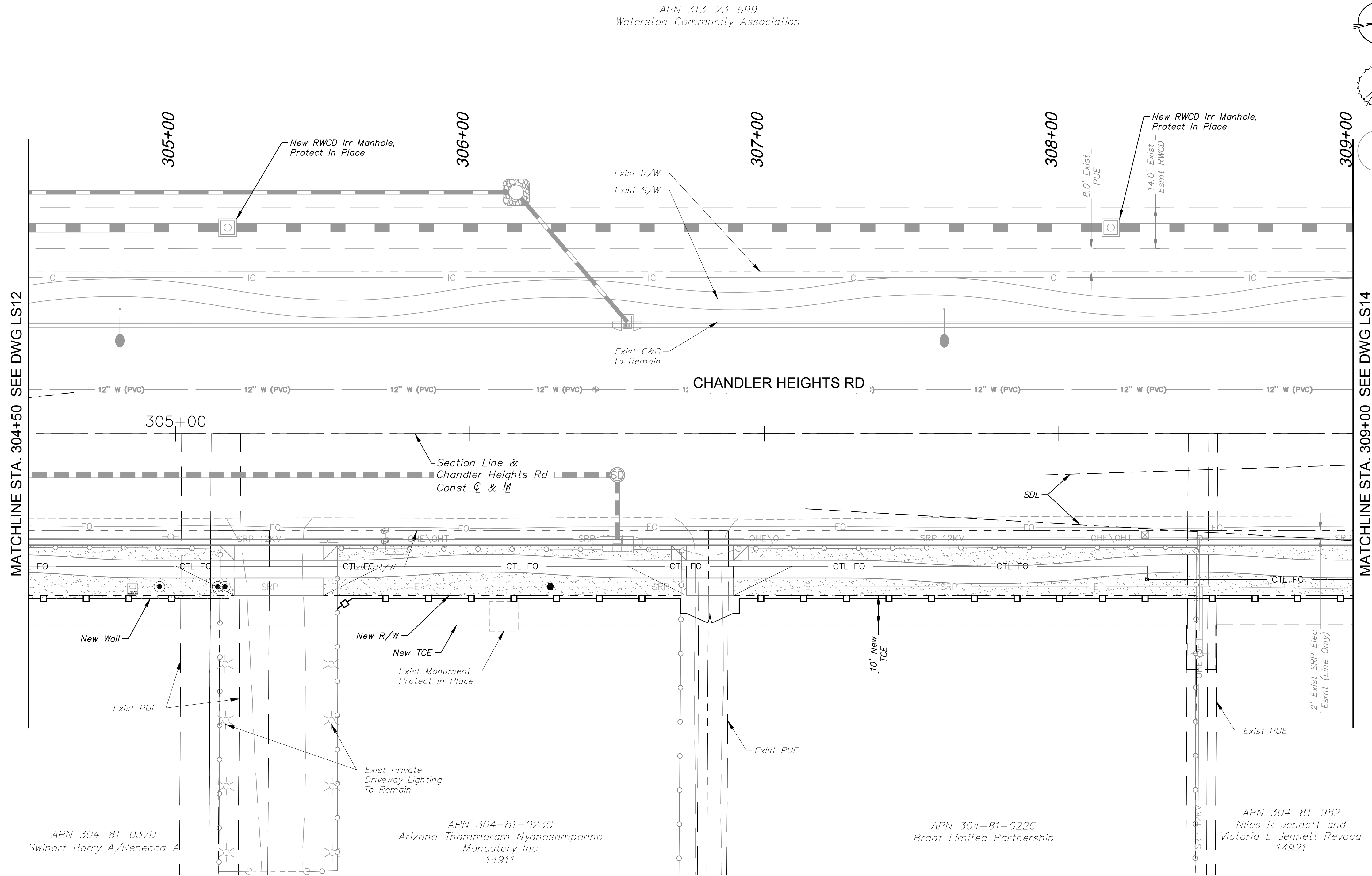
MISCELLANEOUS	
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Turf Restoration Area	43 SY

SDL Sight Distance Line  
SVT Sight Visibility Triangle  
Refer to COC Std.  
Dtl's: C-246 & C-247



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Plotted By: VanGerpen, Hannah - Sheet: Sct: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: LS13 - March 05, 2024 - 06:44:23pm - K:\PHX - Roadway\191466010 - Chandler Heights Rd - Gilbert - Val Vista Cor'd V12 - Sheets\191466010 - LS02.dwg



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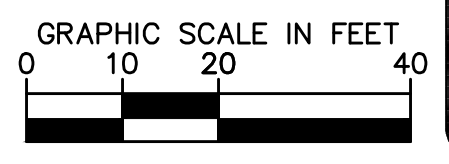
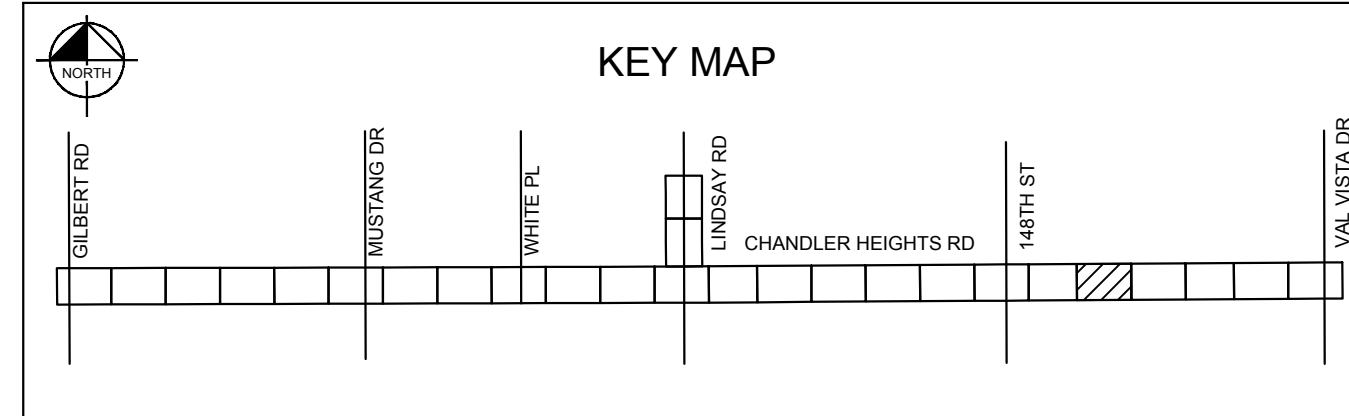
ACCENTS			
BOTANICAL NAME / COMMON NAME	SIZE	QTY	
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MISCELLANEOUS		
DESCRIPTION	QTY	
Decomposed Granite Color: Desert Gold, Size: 1 1/4" Screened, 2.5" Depth	4,570 SY	
Decomposed Granite Color: Match Existing, Size: 2" Depth Min.	766 SY	
Decomposed Granite Color: Express Rose, Size: 1/2" Screened 2" Depth Min.	323 SY	
Decomposed Granite Color: Express Caramel, Size: 1/4" Minus, 2" Depth Min.	396 SY	
Median Pavers Acker-Stone Industries: Street Stone I (3"x6", 6"x6")/Street Stone II (6"x9") Gila River Color, Random Ashlar Pattern Refer to COC Std Dtl C-225	154 SY	
Turf Restoration Area	43 SY	

SDL Sight Distance Line  
SVT Sight Visibility Triangle  
Refer to COC Std.  
Dtl's: C-246 & C-247

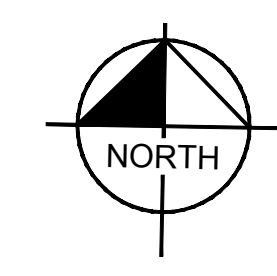
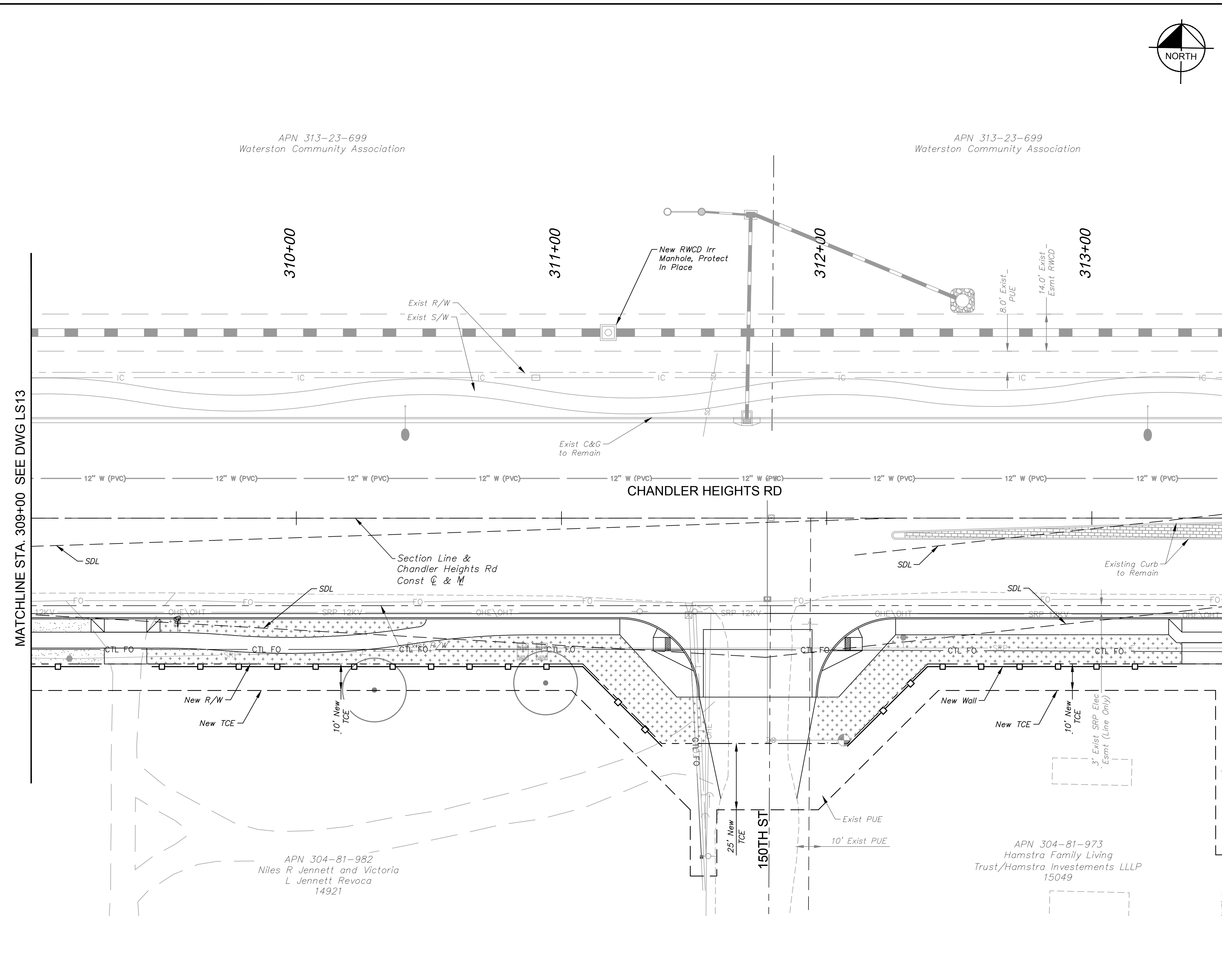
<p>© 2018 KIMLEY-HORN AND ASSOCIATES, INC. 7740 N. 16th STREET, SUITE 300, PHOENIX, AZ 85020 PHONE: 602-944-5500 FAX: 602-944-7423 WWW.KIMLEY-HORN.COM</p>	<p>REVISIONS</p> <table border="1"> <tr><th>NO.</th><th>DATE</th><th>BY</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	NO.	DATE	BY												
NO.	DATE	BY														
<p>Expires 03/31/2025</p>																
<p>SCALE (H): 1"=20' SCALE (V): N/A DESIGNED BY: JLW DRAWN BY: JLW CHECKED BY: ASD DATE: 03/2024</p>																
<p>CITY OF CHANDLER CHANDLER HEIGHTS RD IMPROVEMENTS LANDSCAPE PLAN STA 304+50 TO STA 309+00</p>																
<p>CITY PROJECT NO. ST1804.401 FEDERAL NO. CHN-0244JD ADOT NO. T0203.01C</p>																
<p>SHEET DWG LS13</p>																
<p>108 OF 135</p>																

- NOTES**
- PRIOR TO ANY LANDSCAPE OR IRRIGATION CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR/DEVELOPER SHALL NOTIFY THE CITY LANDSCAPE MAINTENANCE AND DESIGN COORDINATOR AT 480-782-3428 AT LEAST 48 HOURS IN ADVANCE OF INSTALLATION WORK.
  - ALL TREES WITHIN VEHICULAR SIGHT DISTANCE/VISIBILITY CLEAR ZONES SHALL HAVE A VERTICAL CANOPY CLEARANCE/CLEAR TRUNK TO 6' ABOVE THE NEAREST CURB ELEVATION, ALL SHRUBS IN THE AREA MAY NOT REACH A MATURE HEIGHT OVER 24".
  - MAINTAIN 2-FOOT SETBACK FROM CURB TO SHRUBS OR GROUNDCOVER UPON MATURITY.



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: LS16 - March 05, 2024 - 08:45:02pm - K:\PHX - Roadway\191466010- Chandler Heights Rd - Gilbert - Val Vista Cor'd V12 - Sheets\191466010-LS03.dwg



\*ALL TREES SHALL COMPLY WITH THE LATEST AMENDED EDITION OF THE 'ARIZONA NURSERY ASSOCIATION - RECOMMENDED TREE SPECIFICATIONS'

### PLANTING LEGEND

TREES	BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
	Acacia aneura Mulga	48" BOX	4	30' O.C. or as Shown
	Acacia farnesiana Sweet Acacia	48" BOX	1	30' O.C. or as Shown
	Dalbergia sissoo American Rosewood	48" BOX	8	30' O.C. or as Shown
	Quercus virginiana Live Oak	48" BOX	3	30' O.C. or as Shown
	Ulmus parvifolia Chinese Elm	48" BOX	5	30' O.C. or as Shown
	Existing Tree to Remain	-	-	-

### SHRUBS & GROUND COVER

BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
Calliandra californica Baja Fairy Duster	5 Gal.	4	As Shown
Chrysactinia mexicana Damianita	1 Gal.	36	As Shown
Convolvulus cneorum Bush Morning Glory	5 Gal.	22	As Shown
Euphorbia rigida Gopher Plant	5 Gal.	39	As Shown
Lantana camara 'New Gold' New Gold Lantana	1 Gal.	59	As Shown
Ruellia brittoniana 'Katie' Dwarf Katie Ruellia	1 Gal.	62	As Shown
Tetaneuris acaulis Angelita Daisy	1 Gal.	48	As Shown
Teucrium chamaedrys Germander	1 Gal.	62	As Shown

### ACCENTS

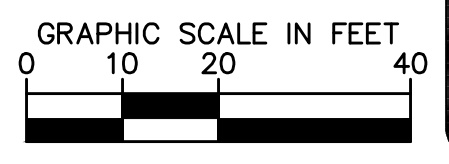
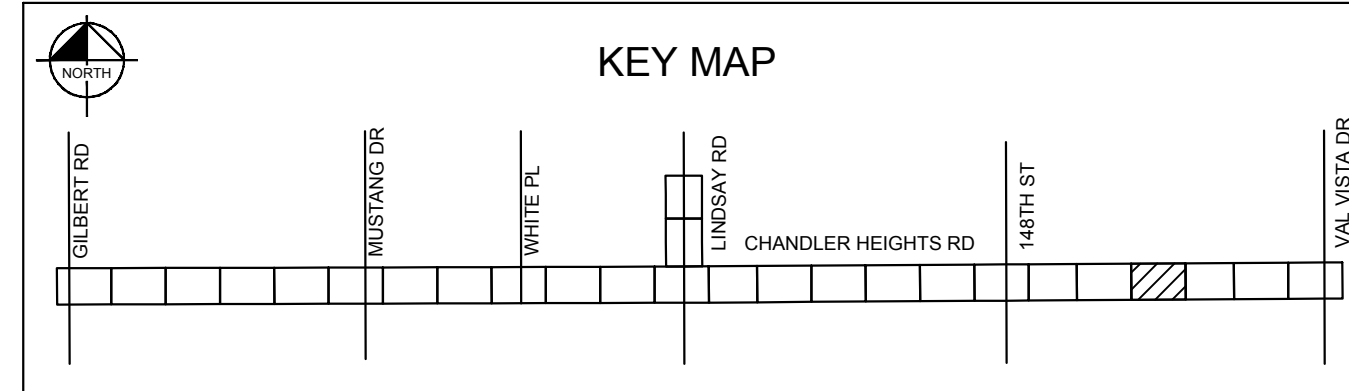
BOTANICAL NAME / COMMON NAME	SIZE	QTY
Hesperaloe parviflora 'Brakelights' Brakelights Red Yucca	5 Gal.	12

### MISCELLANEOUS

DESCRIPTION	QTY
Decomposed Granite Color: Desert Gold, Size: 1 1/4" Screened, 2.5" Depth	4,570 SY
Decomposed Granite Color: Match Existing, Size: 2" Depth Min.	766 SY
Decomposed Granite Color: Express Rose, Size: 1/2" Screened 2" Depth Min.	323 SY
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Turf Restoration Area	43 SY

SDL Sight Distance Line  
SVT Sight Visibility Triangle  
Refer to COC Std.  
Dtl's: C-246 & C-247

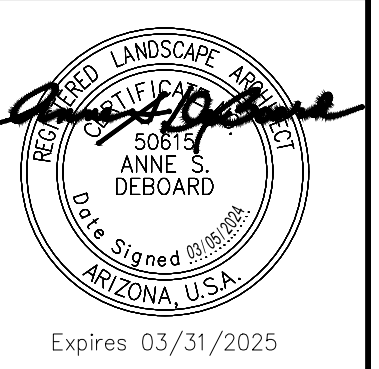
- NOTES**
- PRIOR TO ANY LANDSCAPE OR IRRIGATION CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR/DEVELOPER SHALL NOTIFY THE CITY LANDSCAPE MAINTENANCE AND DESIGN COORDINATOR AT 480-782-3428 AT LEAST 48 HOURS IN ADVANCE OF INSTALLATION WORK.
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  - MAINTAIN 2-FOOT SETBACK FROM CURB TO SHRUBS OR GROUND COVER UPON MATURITY.



NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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PHONE: 602-944-5500 FAX: 602-944-7423  
WWW.KIMLEY-HORN.COM



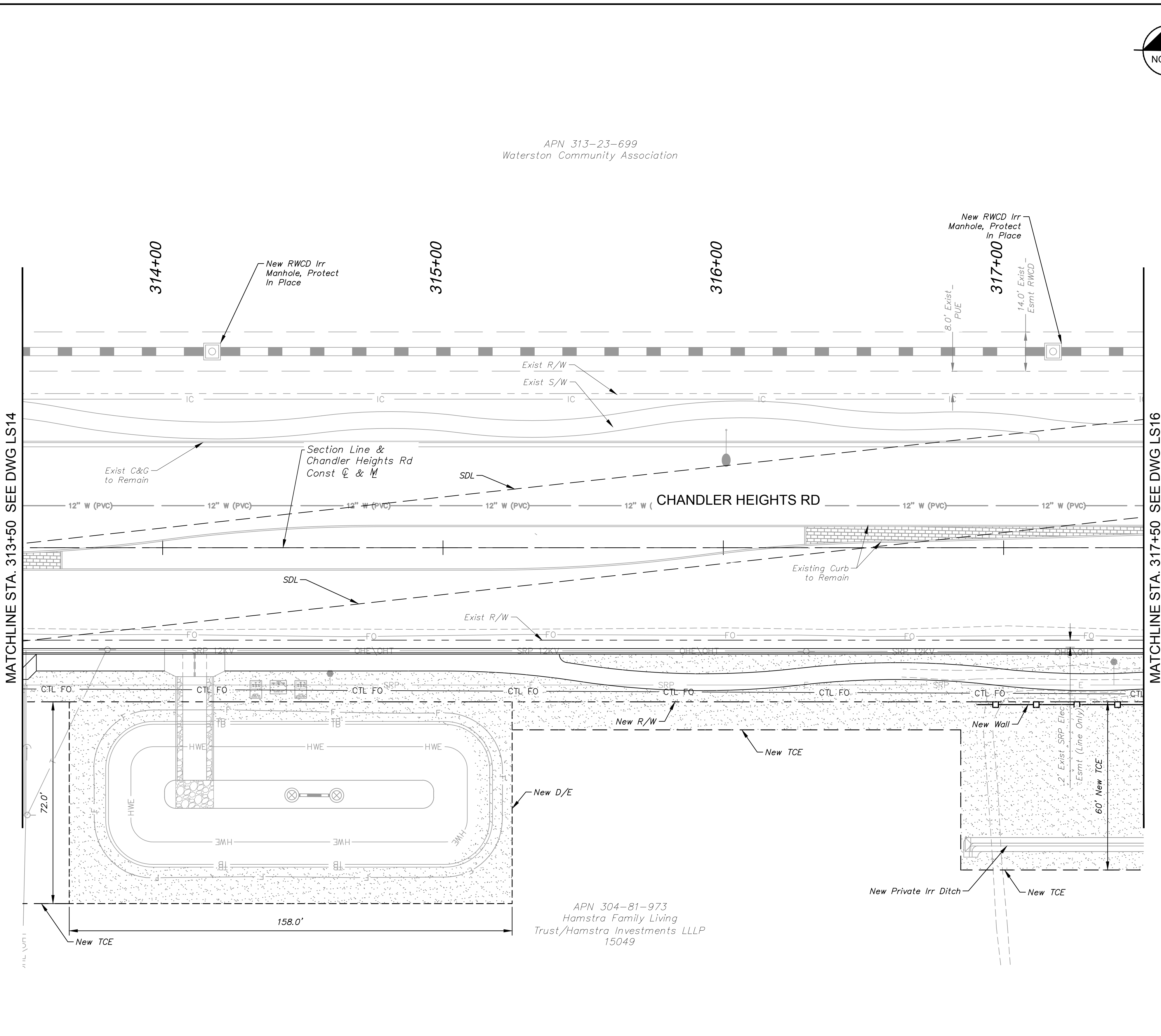
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SCALE (V): N/A  
DESIGNED BY: ASD  
DRAWN BY: JLV  
CHECKED BY: ASD  
DATE: 03/2024

CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
LANDSCAPE PLAN  
STA 309+00 TO STA 313+50  
CHANDLER HEIGHTS ROAD IMPROVEMENTS

CITY PROJECT NO. ST1804.401  
FEDERAL NO. CHN-0244JD  
ADOT NO. T0203.01C

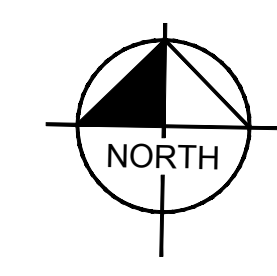
SHEET DWG LS14  
109 OF 135

Plotted By: VanGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: LS17 - March 05, 2024 - 06:45:09pm - K:\PHX-Roadway\191466010-Chandler Heights Rd-Sheets\191466010-LS03.dwg



APN 313-23-699  
Waterston Community Association

APN 304-81-973  
Hamstra Family Living  
Trust/Hamstra Investments LLLP  
15049



\*ALL TREES SHALL COMPLY WITH THE LATEST AMENDED EDITION OF THE 'ARIZONA NURSERY ASSOCIATION - RECOMMENDED TREE SPECIFICATIONS'

**PLANTING LEGEND**

TREES			
BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
Acacia aneura Mulga	48" BOX	4	30' O.C. or as Shown
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Quercus virginiana Live Oak	48" BOX	3	30' O.C. or as Shown
Ulmus parvifolia Chinese Elm	48" BOX	5	30' O.C. or as Shown
Existing Tree to Remain	-	-	-

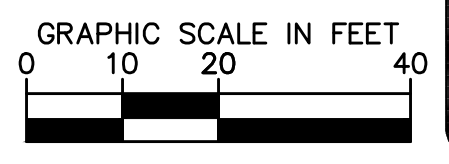
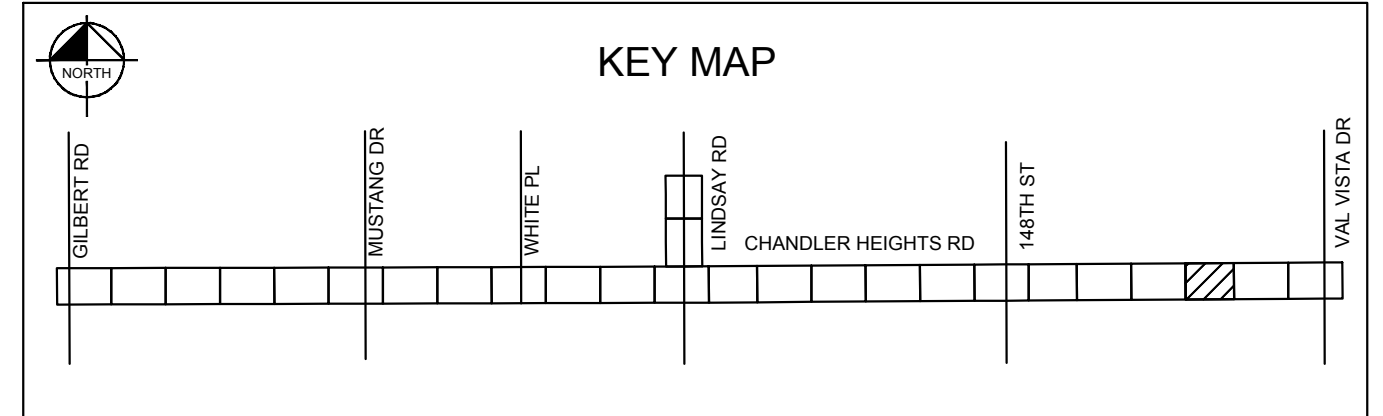
SHRUBS & GROUNDCOVER			
BOTANICAL NAME / COMMON NAME	SIZE	QTY	SPACING
Calliandra californica Baja Fairy Duster	5 Gal.	4	As Shown
Chrysactinia mexicana Damianita	1 Gal.	36	As Shown
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ACCENTS		
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Turf Restoration Area	43 SY	

SDL Sight Distance Line  
SVT Sight Visibility Triangle  
Refer to COC Std.  
Dtl's C-246 & C-247

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NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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PHONE: 602-944-5500 FAX: 602-944-7423  
WWW.KIMLEY-HORN.COM



SCALE (H): 1"=20'  
SCALE (V): N/A  
DESIGNED BY: JLW  
DRAWN BY: JLW  
CHECKED BY: ASD  
DATE: 03/2024

CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
LANDSCAPE PLAN  
STA 313+50 TO STA 317+50  
C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

CITY PROJECT NO. ST1804.401  
FEDERAL NO. CHN-0244JD  
ADOT NO. T0203.01C

SHEET DWG LS15  
110 OF 135

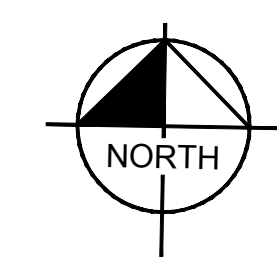
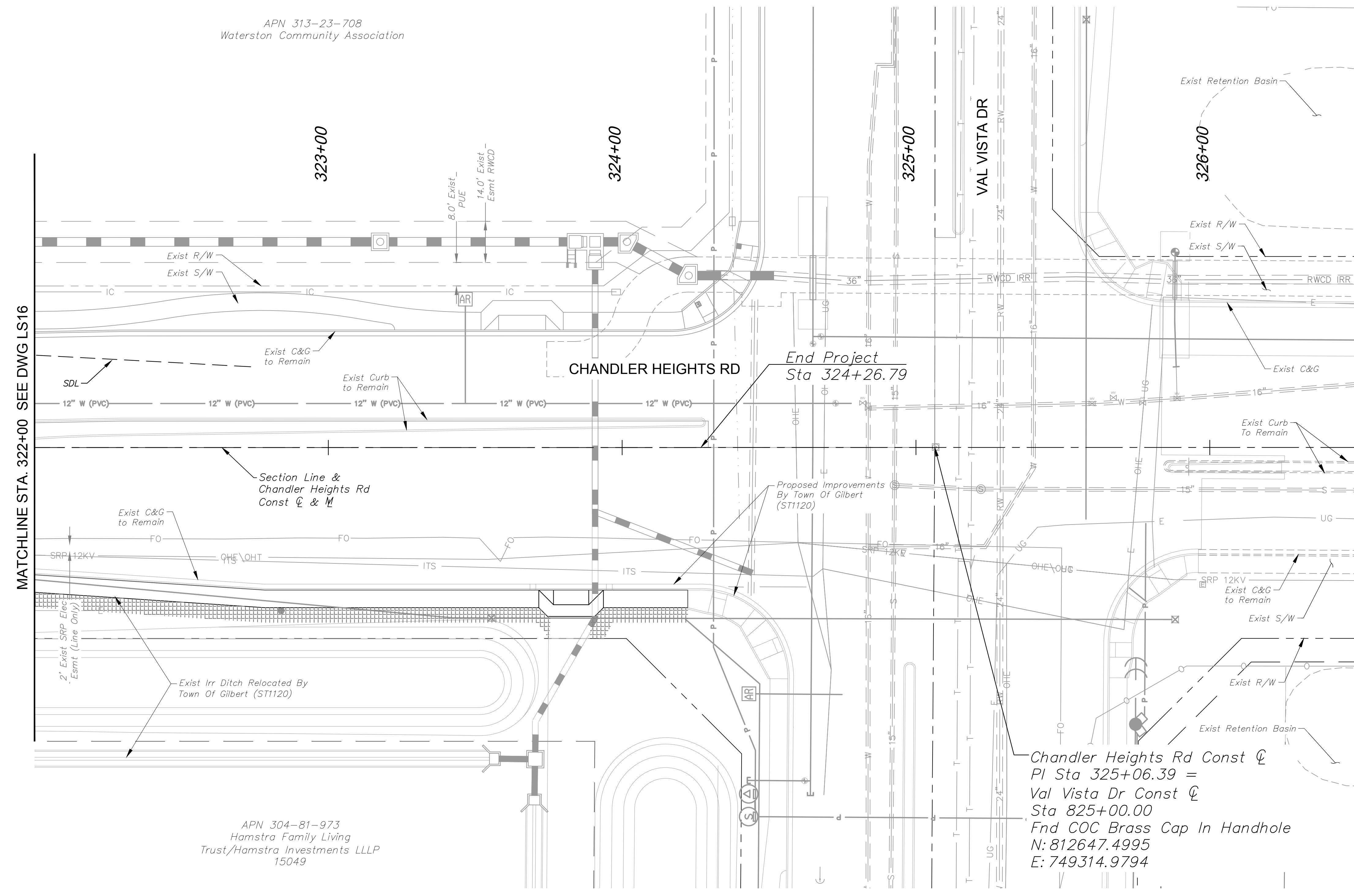




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APN 313-23-708  
Waterston Community Association

APN 304-81-973  
Hamstra Family Living  
Trust/Hamstra Investments LLLP  
15049



### PLANTING LEGEND

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Turf Restoration Area	43 SY

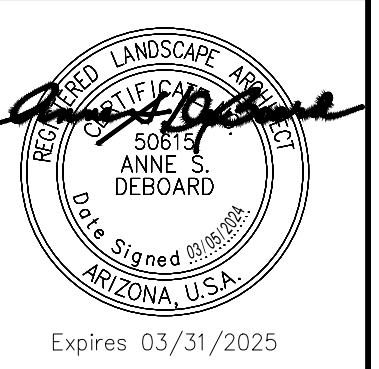
SDL Sight Distance Line  
SVT Sight Visibility Triangle  
Refer to COC Std.  
Dtl's: C-246 & C-247

\*ALL TREES SHALL COMPLY WITH THE LATEST AMENDED EDITION OF THE 'ARIZONA NURSERY ASSOCIATION - RECOMMENDED TREE SPECIFICATIONS'

NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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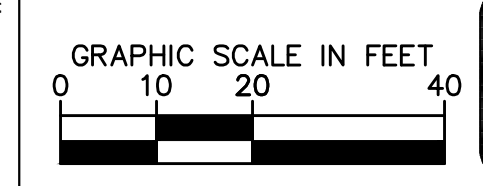
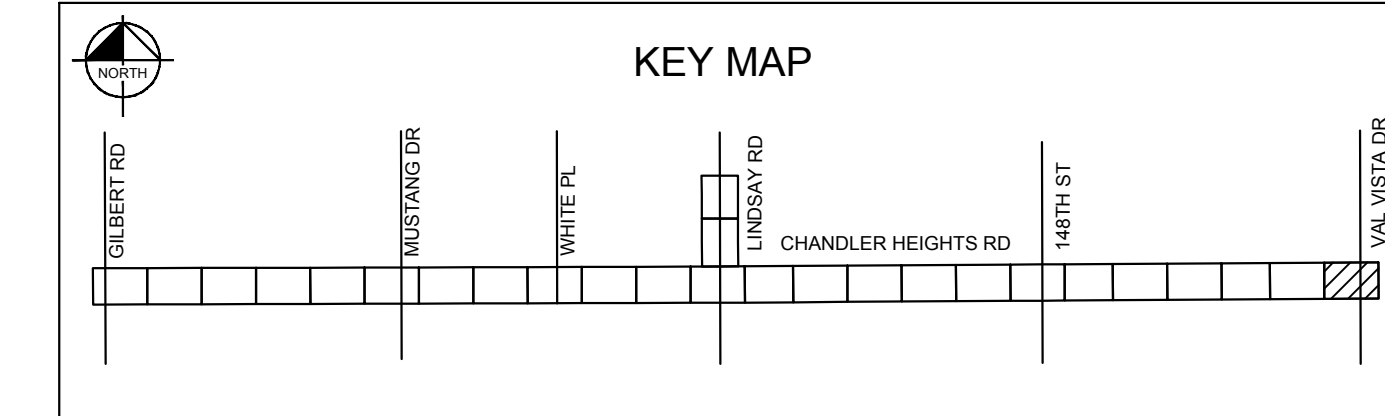
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SCALE (V): N/A  
DESIGNED BY: JLW  
DRAWN BY: JLW  
CHECKED BY: ASD  
DATE: 03/2024

CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
LANDSCAPE PLAN  
STA 322+50 TO STA 326+50  
C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

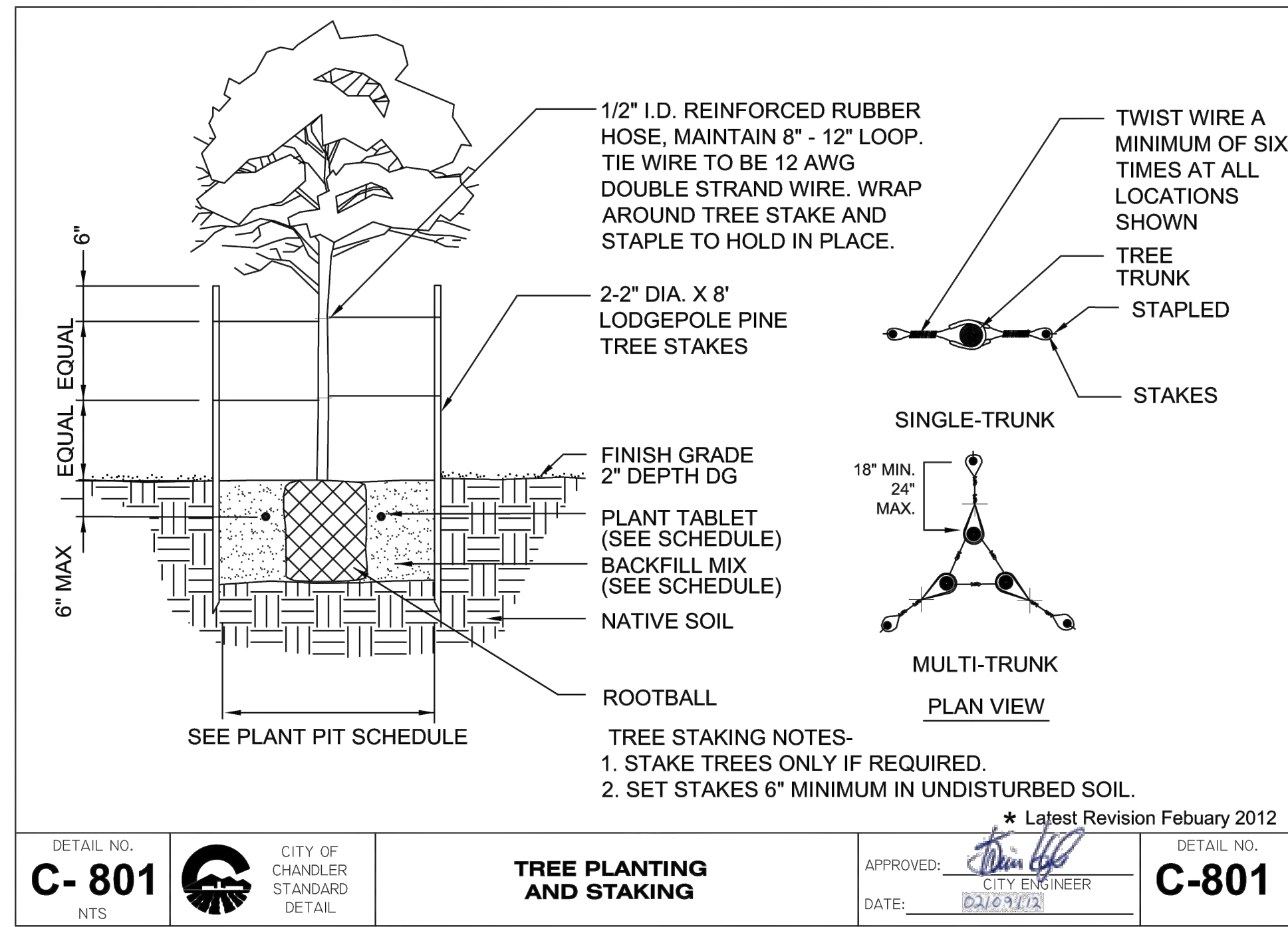
CITY PROJECT NO. ST1804.401  
FEDERAL NO. CHN-0244JD  
ADOT NO. T0203.01C

SHEET DWG LS17  
112 OF 135

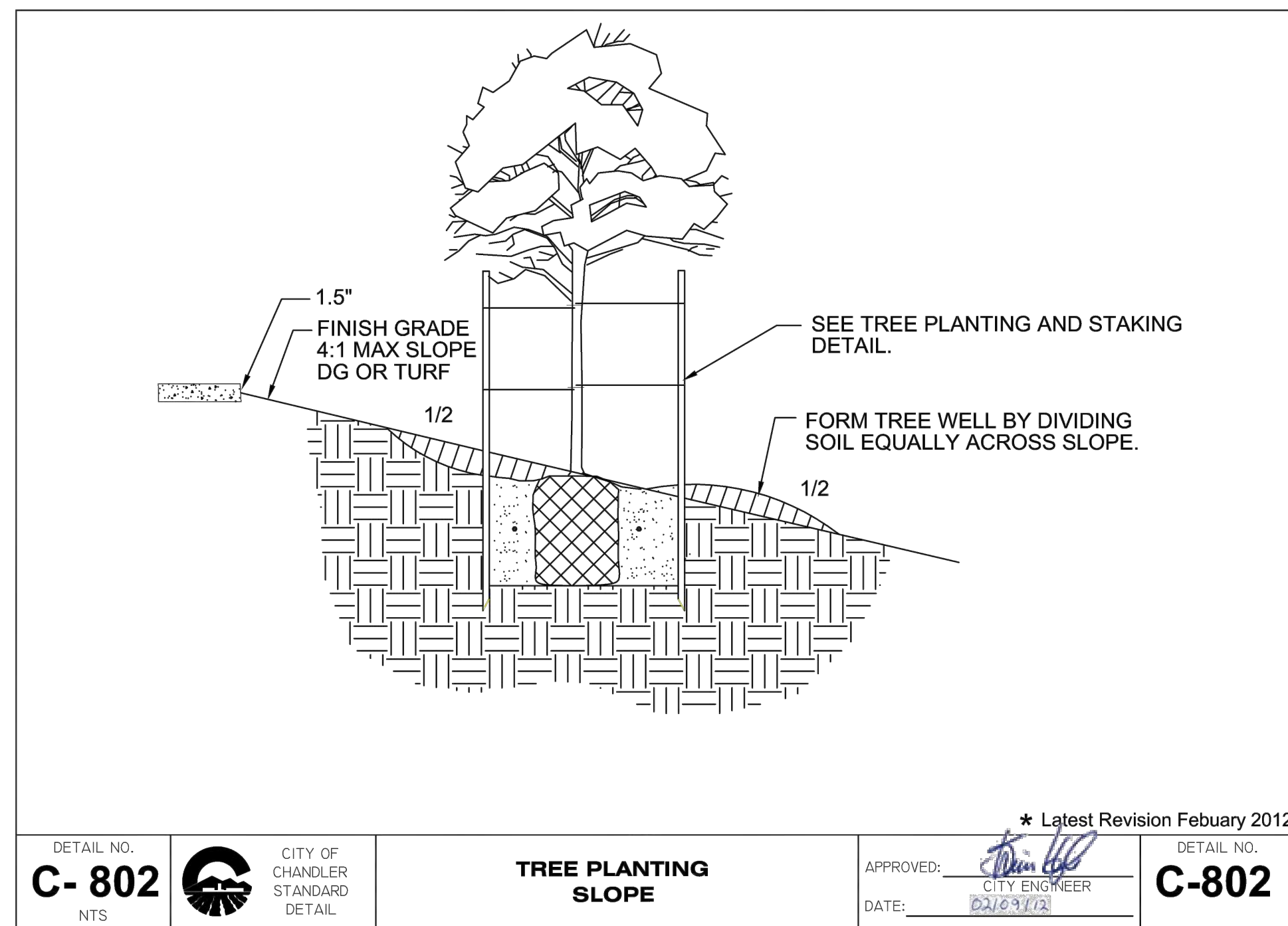
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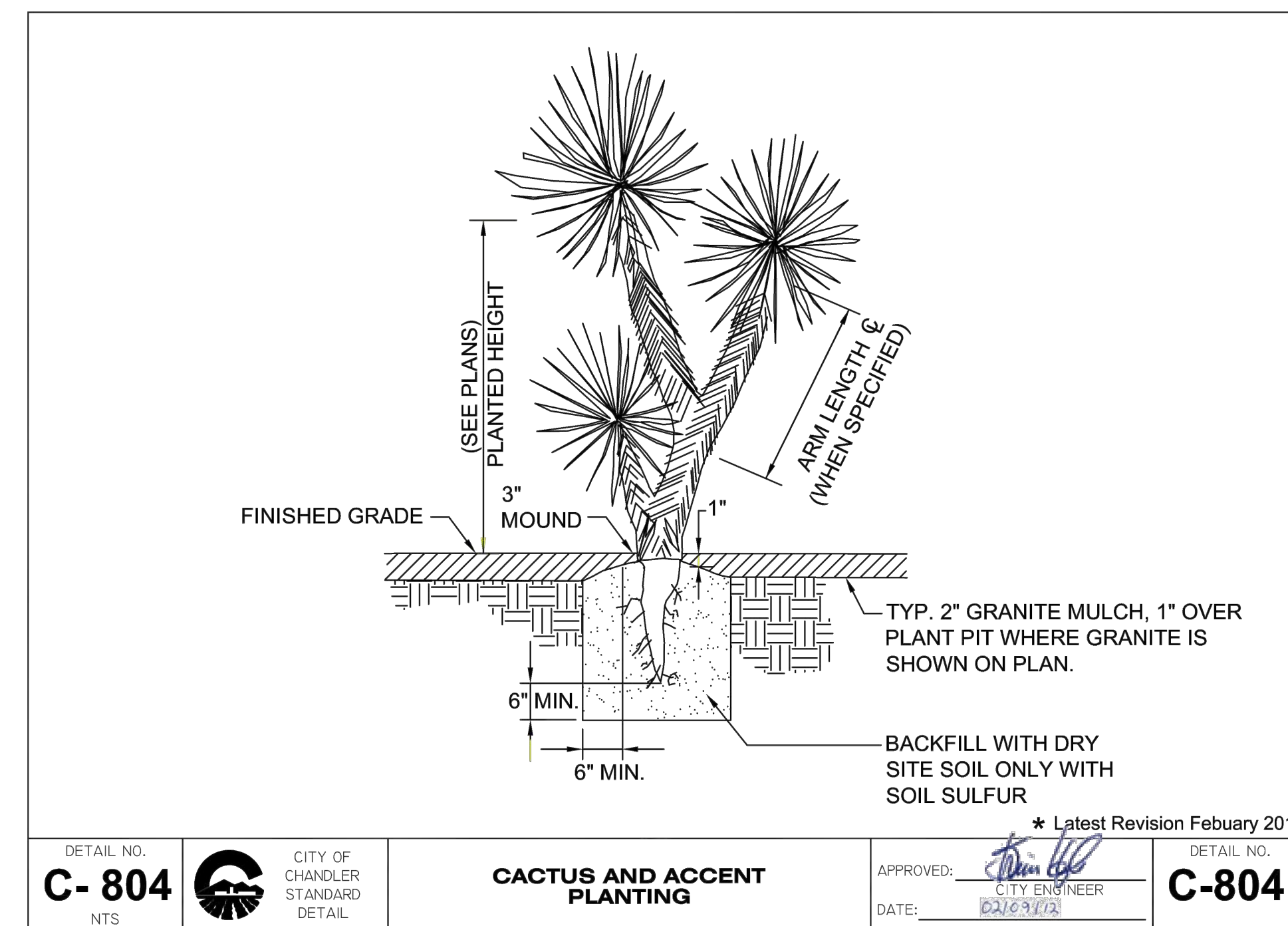
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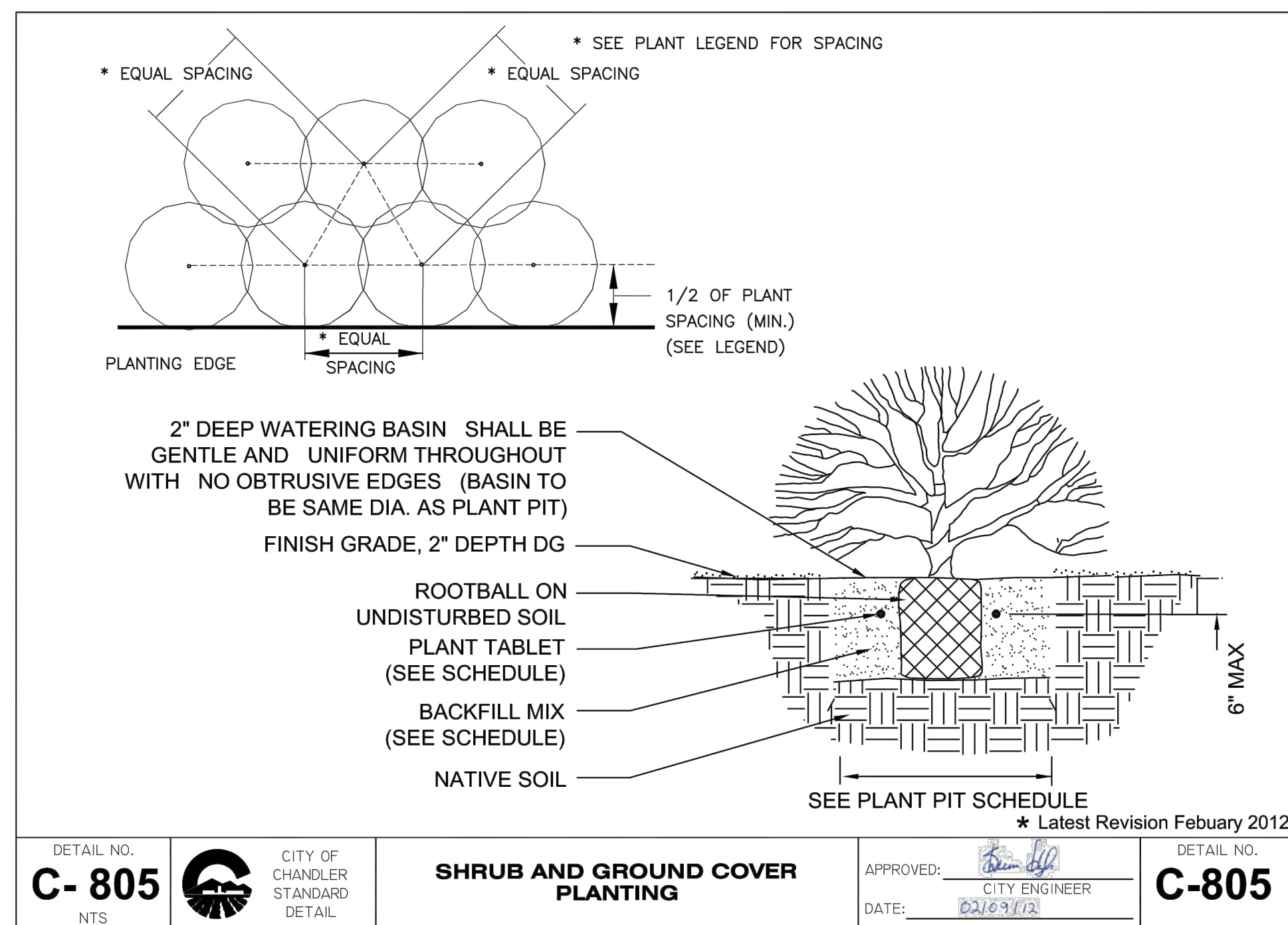
**1 TREE PLANTING AND STAKING** NTS CITY OF CHANDLER C-801



**2 TREE PLANTING SLOPE** NTS CITY OF CHANDLER C-802



**3 CACTUS AND ACCENT PLANTING** NTS CITY OF CHANDLER C-804



**4 SHRUB AND GROUND COVER PLANTING** NTS CITY OF CHANDLER C-805

**NOTES**  
 1. PRIOR TO ANY LANDSCAPE OR IRRIGATION CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR/DEVELOPER SHALL NOTIFY THE CITY SITE DEVELOPMENT INSPECTIONS GROUP AT 480-782-3061 AT LEAST 48 HOURS IN ADVANCE OF INSTALLATION WORK.

NO.	REVISIONS	DATE	BY

**Kimley»Horn**  
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 7740 N. 16th STREET, SUITE 300, PHOENIX, AZ 85020  
 PHONE: 602-944-5500 FAX: 602-944-7423  
 WWW.KIMLEY-HORN.COM

Professional Engineer  
 ANNE DEBOARD  
 Expires 03/31/2025

SCALE (H):	N/A
SCALE (V):	N/A
DESIGNED BY:	ASD
DRAWN BY:	JLW
CHECKED BY:	ASD
DATE:	03/2024

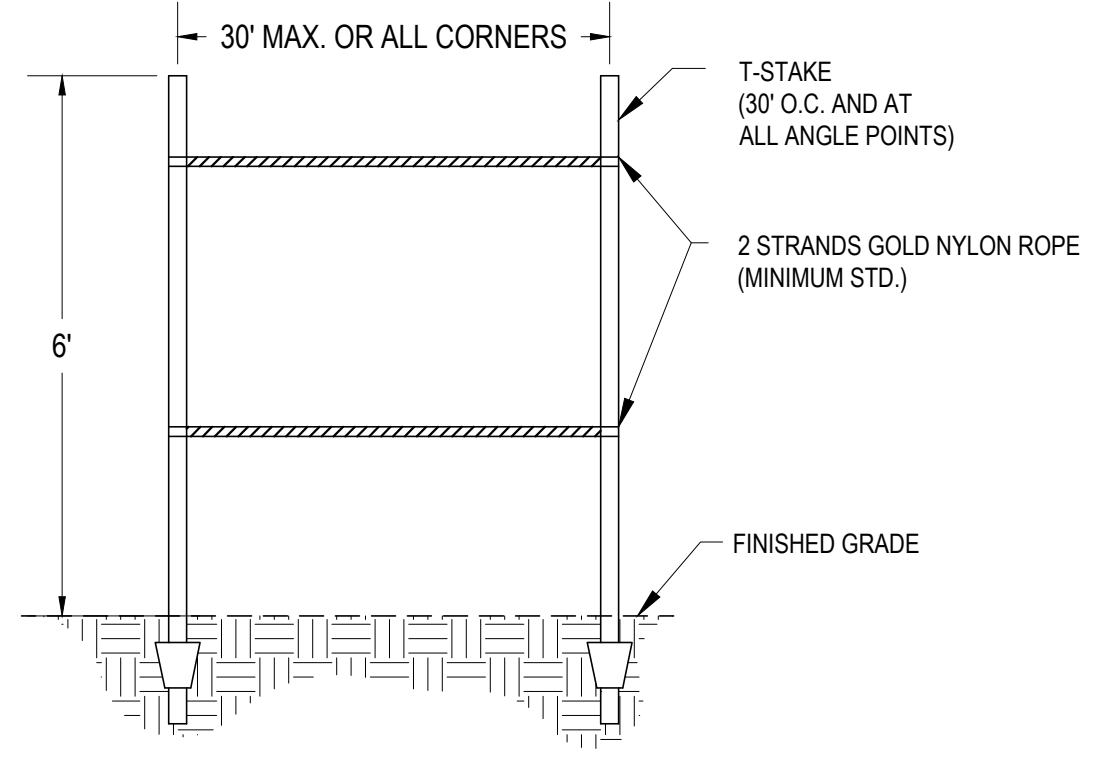
CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 LANDSCAPE DETAILS

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(24)D
ADOT NO.	T0203 01C
SHEET DWG	LSDT01
113 OF 135	

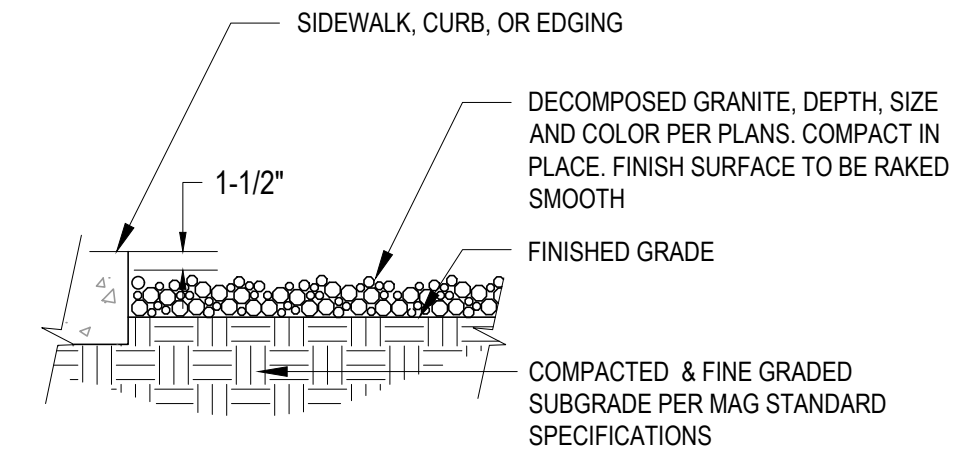


C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: 106 - LSDT02 - March 05, 2024 - 06:49:36pm - K:\PHX\_Roadway\191466010-Chandler Heights Rd-Clbert to Val Vista\Cadd\12-Sheets\191466010-LS-DTLs.dwg



**5 CONSTRUCTION FENCING**  
SCALE: N.T.S.



**NOTE**  
1. APPLY PRE-EMERGENT HERBICIDE AS PER MANUFACTURER'S RECOMMENDATIONS AND PER CITY STANDARDS (SURFLAN OR APPROVED EQUAL).  
2. CONTRACTOR TO SUPPLY PROPOSED D.G. SAMPLE TO CITY FOR APPROVAL PRIOR TO ORDERING AND INSTALLATION.

**6 DECOMPOSED GRANITE INSTALLATION**  
SCALE: N.T.S.

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SCALE (H): 1"=20'  
SCALE (V): N/A  
DESIGNED BY: ASD  
DRAWN BY: JLW  
CHECKED BY: ASD  
DATE: 03/2024

CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
LANDSCAPE DETAILS

CITY PROJECT NO. ST1804.401  
FEDERAL NO. CHN-0(244)D  
ADOT NO. T0203 01C

SHEET DWG LSDT02  
114 OF 135

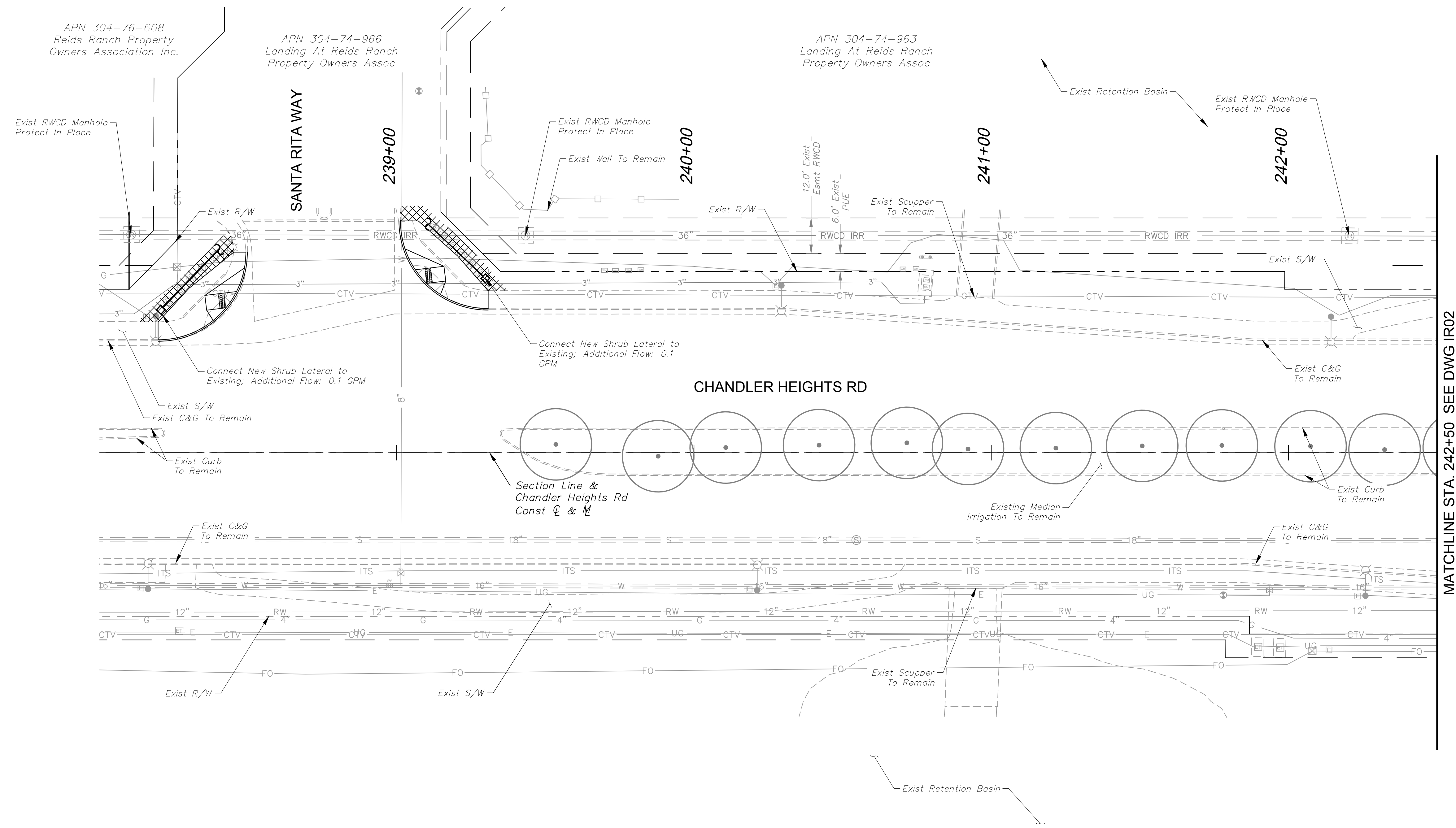
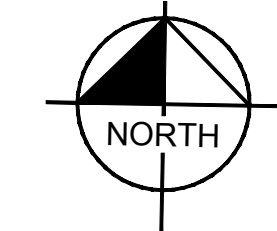


A - PLANTING PIT DIMENSIONS FOR TREES, SHRUBS, GROUNDCOVERS, CACTUS AND ACCENTS			C - PLANT TABLET SCHEDULE FOR TREES, SHRUBS, CACTUS, ACCENTS AND PALMS		
PLANT SIZE	WIDTH	DEPTH	TREES, SHRUBS, CACTUS AND ACCENTS		
1 GALLON	2X's the width of the Root Ball	Some Depth as Root Ball	1 GALLON	1	TABLET
5 GALLON	2X's the width of the Root Ball	Some Depth as Root Ball	5 GALLON	2	TABLETS
15 GALLON	3X's the width of the Root Ball	Some Depth as Root Ball	15 GALLON	4	TABLETS
24" BOX	3X's the width of the Root Ball	Some Depth as Root Ball	24" BOX	6	TABLETS
30" BOX	3X's the width of the Root Ball	Some Depth as Root Ball	36" BOX	8	TABLETS
36" BOX	3X's the width of the Root Ball	Some Depth as Root Ball	48" BOX	10	TABLETS
48" BOX	3X's the width of the Root Ball	Some Depth as Root Ball	<b>PALMS</b>		
			1 TABLET PER 2 FEET OF TRUNK HEIGHT		
B - PLANT PIT DIMENSIONS FOR PALMS			D - BACKFILL MIX		
TRUNK DIAMETER AT GRADE	MINIMUM DIAMETER PLANTING PIT	MINIMUM DEPTH PLANTING PIT	<b>TREES AND SHRUBS</b>		
12 - 24"	48"	42"	3 PARTS EXCAVATED TOPSOIL		
25 - 32"	56"	44"	1 PART SAND		
33 - 36"	60"	48"	PLANT TABLETS PER SCHEDULE C		
			<b>CACTUS AND ACCENTS</b>		
			1 PART EXCAVATED TOPSOIL		
			1 PART SAND		
			PLANT TABLETS PER SCHEDULE C		
			<b>PALMS</b>		
			PALM TREE BACKFILL SHALL BE 100% SAND.		
			PLANT TABLETS PER SCHEDULE C		
* Latest Revision February 2012					
DETAIL NO. <b>C-806</b> NTS	CITY OF CHANDLER STANDARD DETAIL	<b>PLANT PIT SCHEDULE</b>	APPROVED: CITY ENGINEER DATE: 02/03/23	DETAIL NO. <b>C-806</b>	

**7 PLANTING PIT SCHEDULE**  
CITY OF CHANDLER

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VonGerpen, Hannah, Sheet: CHANDLER HEIGHTS RD IMPROVEMENTS, Layout: IR01, Date: 03/20/24, 08:46:18pm, K:\PHX-Roadway\191466010-Chandler Heights Rd - Gilbert, AZ\Val Vista\191466010-IR01.dwg



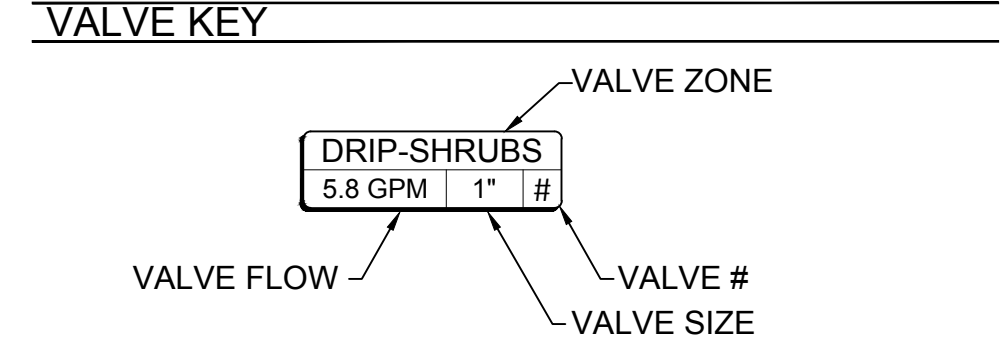
MATCHLINE STA. 242+50 SEE DWG IR02

**IRRIGATION LEGEND**

- MATERIALS AND EQUIPMENT**
- ☒ Potable Water Meter - 1" Service - Contractor Shall Install Water Main Tap, Service Line, Curb Stop, and Meter Box; City of Chandler to Install Meter
  - Backflow Preventer - 1" FEBCO 825YA with Security Enclosure (Tan), Refer to City of Chandler Detail C-311
  - Ⓜ Master Valve - 1" Hunter PGV-201-DC
  - Ⓜ Controller - Hunter Hybrid XCH-600-SS 6-Station Battery Operated with XCHSPOLE Mounting Pole
  - Ⓜ Valve - Hunter ICZ-101-LF-DC, 1" Brass Isolation Valve Upstream of 1" ICV Globe Valve with HFR-100-075 Filter Regulator and Hunter 458200 DC-latching solenoids
  - Flush End Cap
  - Not Shown Bowsmith Multi-Outlet Emitter ML200 Series\* 4 - 2gpm per Tree; 1 - 1gpm per Shrub Provide 1/2" Distribution Tubing To Each Plant As Detailed
  - \* Refer To COC Std. Dtl. C-817 For Emitter Schedule
  - Ⓜ Irrigation Restoration Area

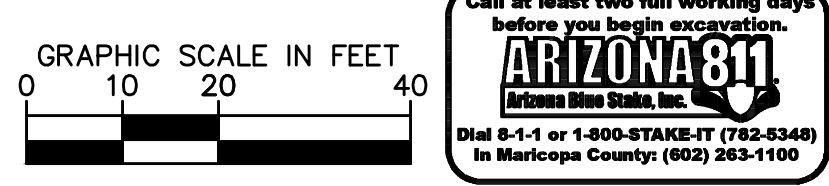
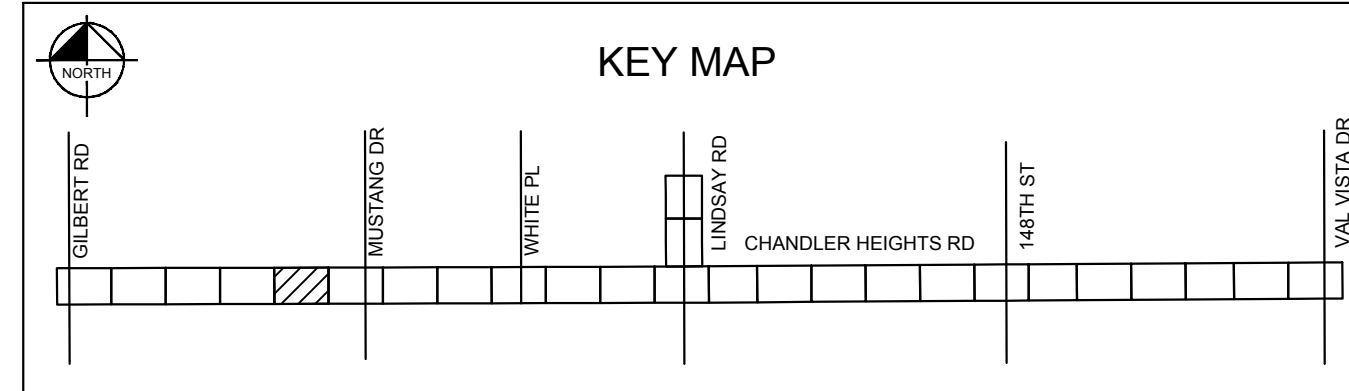
- SLEEVE SCHEDULE**
- SYM SIZE & DESCRIPTION
- Ⓜ Schedule 40 PVC 2" Lateral Sleeve, Spears or Equal, "X" Indicates Quantity

- PIPE SCHEDULE**
- SYM SIZE & DESCRIPTION
- Potable Mainline Copper Service Pipe: 4" Type 'K' Copper Hard Tube.
  - - - Potable Mainline: 2" SCH 40 PVC Solvent Weld Pipe with SCH 80 PVC Fittings
  - T — Potable Tree Drip Lateral: SDR 21 Class 200 PVC Solvent Weld Pipe with SCH 40 PVC Fittings (Size Below)
  - S — Potable Shrub Drip Lateral: SDR 21 Class 200 PVC Solvent Weld Pipe with SCH 40 PVC Fittings (Size Below)
- LATERAL PIPE SIZING**
- | GPM FLOW   | PIPE SIZE |
|------------|-----------|
| 0 - 8.0    | 3/4"      |
| 8.1 - 13.0 | 1"        |



- IRRIGATION LAYOUT NOTES**
- IRRIGATION PIPE ROUTING AND EQUIPMENT LOCATIONS ARE DIAGRAMMATIC AND SHALL BE FIELD ADJUSTED TO AVOID CONFLICT WITH AND DISTURBANCE OF EXISTING PLANT MATERIALS AND UTILITY LOCATIONS.
  - EXISTING PLANTS TO REMAIN SHALL CONTINUE TO BE WATERED WITH EXISTING IRRIGATION SYSTEM, WHERE APPLICABLE. WHERE NOT FEASIBLE, PROVIDE WATER WITH NEW PIPE LATERALS.
  - CONTRACTOR SHALL MAINTAIN FUNCTIONALITY OF EXISTING SYSTEM OUTSIDE PROJECT LIMITS. COORDINATE WITH THE CITY OF CHANDLER AND ADJACENT PROPERTY OWNERS FOR TIE-INS AND TEMPORARY INTERRUPTIONS TO SERVICE.
  - CONTRACTOR SHALL INSTALL P.O.C. EQUIPMENT IN MEDIAN AT STATIONS AS NOTED WITHIN CENTER OF MEDIAN MAINTAINING A MINIMUM 6' CLEAR DISTANCE FROM BACK OF CURB.

- NOTES**
- PRIOR TO ANY LANDSCAPE OR IRRIGATION CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR/DEVELOPER SHALL NOTIFY THE CITY LANDSCAPE MAINTENANCE AND DESIGN COORDINATOR AT 480-782-3428 AT LEAST 48 HOURS IN ADVANCE OF INSTALLATION WORK.
  - ALL TREES WITHIN VEHICULAR SIGHT DISTANCE/VISIBILITY CLEAR ZONES SHALL HAVE A VERTICAL CANOPY CLEARANCE/CLEAR TRUNK TO 6' ABOVE THE NEAREST CURB ELEVATION, ALL SHRUBS IN THE AREA MAY NOT REACH A MATURE HEIGHT OVER 24".
  - MAINTAIN 2-FOOT SETBACK FROM CURB TO SHRUBS OR GROUND COVER UPON MATURITY.



NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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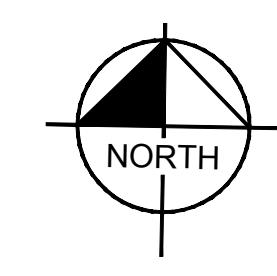
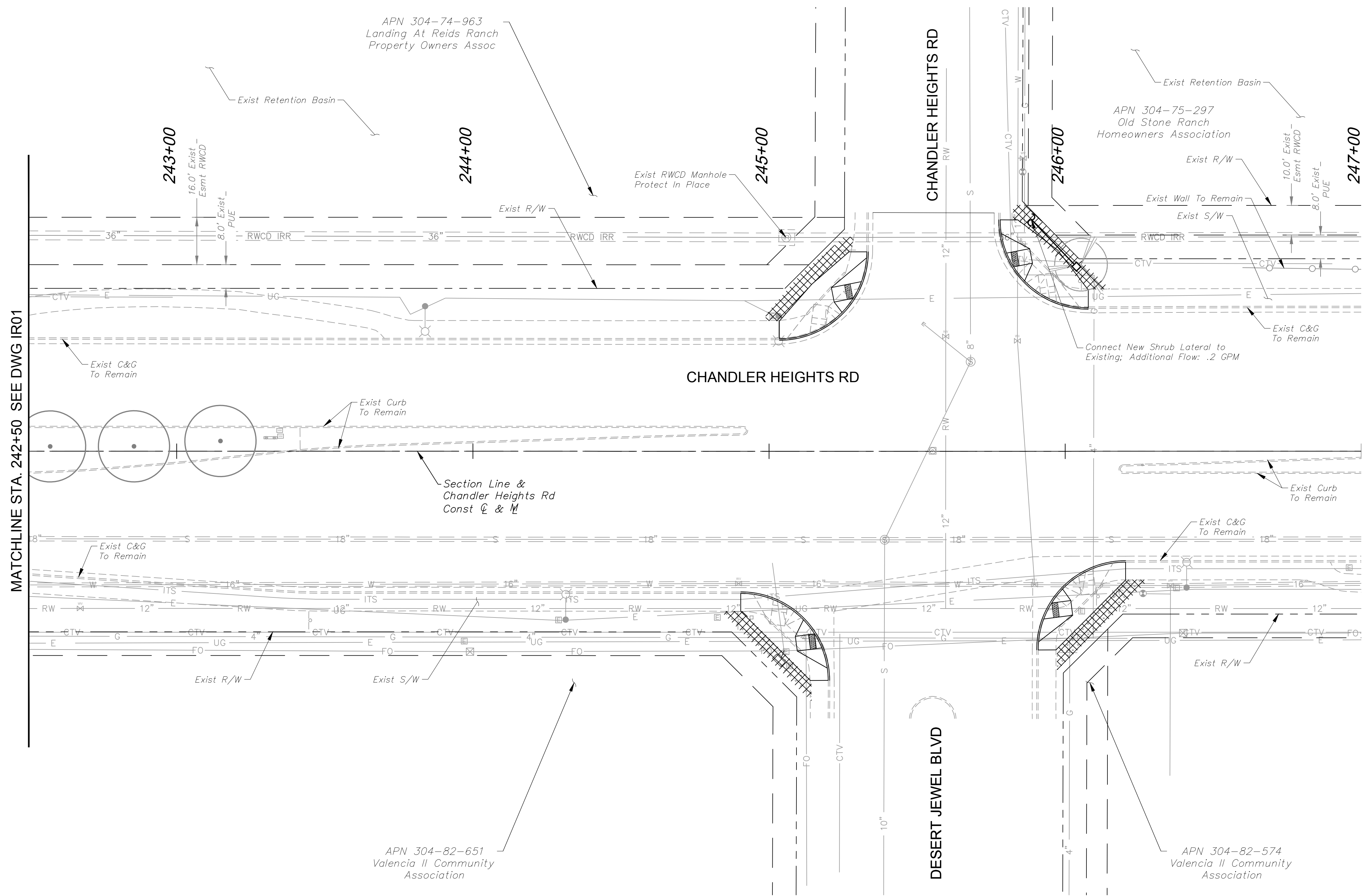
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SCALE (V):	N/A
DESIGNED BY:	JLW
DRAWN BY:	JLW
CHECKED BY:	ASD
DATE:	03/20/24

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 IRRIGATION PLAN  
 STA 338+00 TO STA 242+50

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-00244JD
ADOT NO.	T0203.01C
SHEET DWG	IR01
115 OF 135	

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah Sheet: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: IR02 March 05, 2024 08:46:25pm K:\PHX-Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista\Road\12-Sheets\191466010-IR01.dwg



**IRRIGATION LEGEND**

MATERIALS AND EQUIPMENT	
SYM	MANUFACTURER / MODEL / DESCRIPTION
☒	Potable Water Meter - 1" Service - Contractor Shall Install Water Main Tap, Service Line, Curb Stop, and Meter Box; City of Chandler to Install Meter
∞	Backflow Preventer - 1" FEBCO 825YA with Security Enclosure (Tan), Refer to City of Chandler Detail C-311
Ⓜ	Master Valve - 1" Hunter PGV-201-DC
Ⓜ	Controller - Hunter Hybrid XCH-600-SS 6-Station Battery Operated with XCHSPOLE Mounting Pole
Ⓜ	Valve - Hunter ICZ-101-LF-DC, 1" Brass Isolation Valve Upstream of 1" ICV Globe Valve with HFR-100-075 Filter Regulator and Hunter 458200 DC-latching solenoids
□	Flush End Cap
Not Shown	Bowsmith Multi-Outlet Emitter ML200 Series* 4 - 2gpm per Tree; 1 - 1gpm per Shrub Provide 1/2" Distribution Tubing To Each Plant As Detailed * Refer To COC Std. Dtl. C-817 For Emitter Schedule
▨	Irrigation Restoration Area

**SLEEVE SCHEDULE**

SYM	SIZE & DESCRIPTION
⊗	Schedule 40 PVC 2" Lateral Sleeve, Spears or Equal, "X" Indicates Quantity

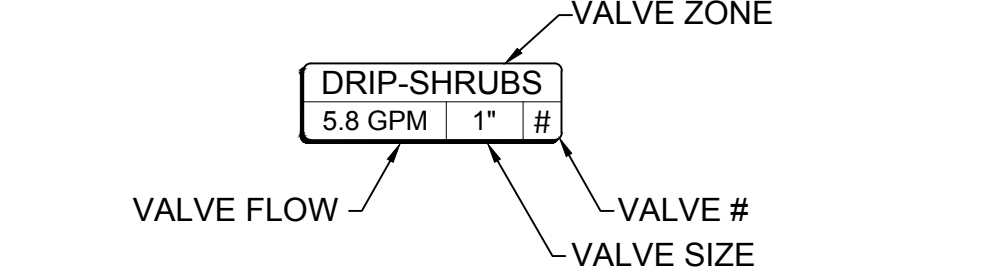
**PIPE SCHEDULE**

SYM	SIZE & DESCRIPTION
—	Potable Mainline Copper Service Pipe: 4" Type 'K' Copper Hard Tube.
---	Potable Mainline: 2" SCH 40 PVC Solvent Weld Pipe with SCH 80 PVC Fittings
— T —	Potable Tree Drip Lateral: SDR 21 Class 200 PVC Solvent Weld Pipe with SCH 40 PVC Fittings (Size Below)
— S —	Potable Shrub Drip Lateral: SDR 21 Class 200 PVC Solvent Weld Pipe with SCH 40 PVC Fittings (Size Below)

**LATERAL PIPE SIZING**

GPM FLOW	PIPE SIZE
0 - 8.0	3/4"
8.1 - 13.0	1"

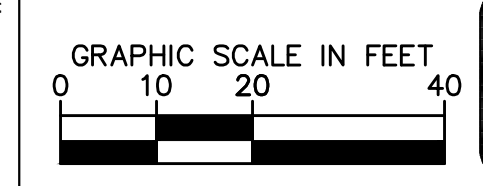
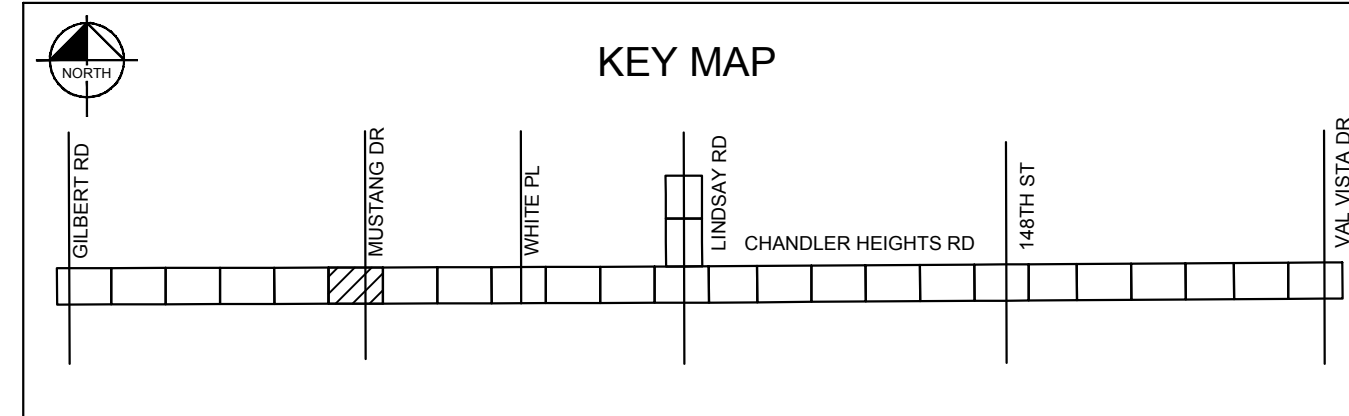
**VALVE KEY**



**IRRIGATION LAYOUT NOTES**

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  - MAINTAIN 2-FOOT SETBACK FROM CURB TO SHRUBS OR GROUND COVER UPON MATURITY.



NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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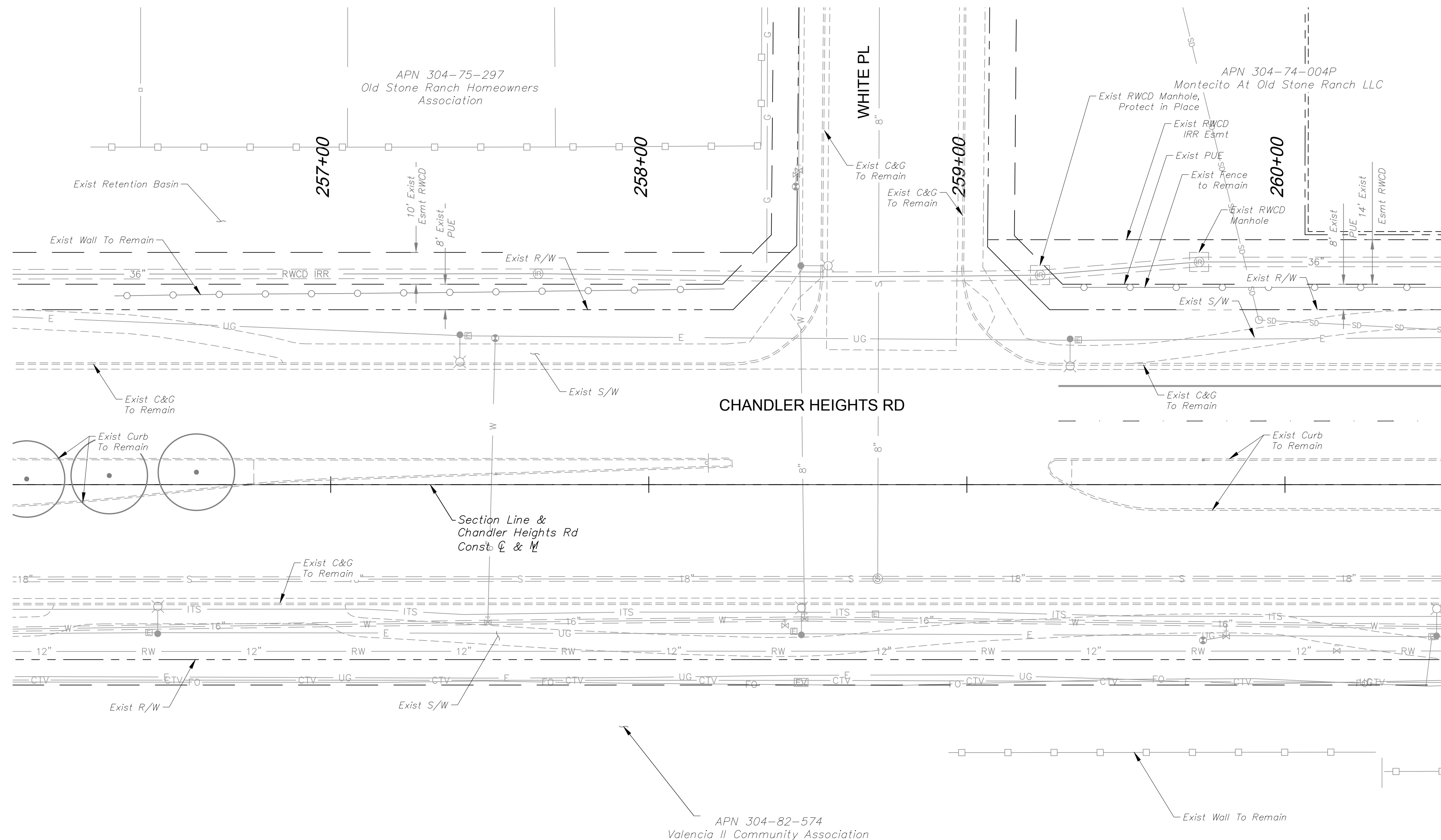
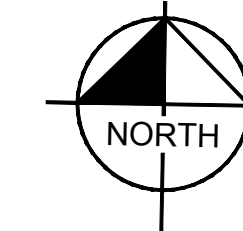
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DRAWN BY:	ASD
CHECKED BY:	ASD
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 IRRIGATION PLAN  
 STA 424+50 TO STA 247+00

CITY PROJECT NO. ST1804.401
FEDERAL NO. CHN-0244JD
ADOT NO. T0203.01C
SHEET DWG IR02
116 OF 135

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

**NO IRRIGATION THIS SHEET**



MATCHLINE STA. 260+50 SEE DWG IR04

**IRRIGATION LEGEND**

MATERIALS AND EQUIPMENT	
SYM	MANUFACTURER / MODEL / DESCRIPTION
☒	Potable Water Meter - 1" Service - Contractor Shall Install Water Main Tap, Service Line, Curb Stop, and Meter Box; City of Chandler to Install Meter
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Ⓜ	Master Valve - 1" Hunter PGV-201-DC
Ⓜ	Controller - Hunter Hybrid XCH-600-SS 6-Station Battery Operated with XCHSPOLE Mounting Pole
Ⓜ	Valve - Hunter ICZ-101-LF-DC, 1" Brass Isolation Valve Upstream of 1" ICV Globe Valve with HFR-100-075 Filter Regulator and Hunter 458200 DC-latching solenoids
□	Flush End Cap
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▨	Irrigation Restoration Area

**SLEEVE SCHEDULE**

SYM	SIZE & DESCRIPTION
ⓧ	Schedule 40 PVC 2" Lateral Sleeve, Spears or Equal, "X" Indicates Quantity

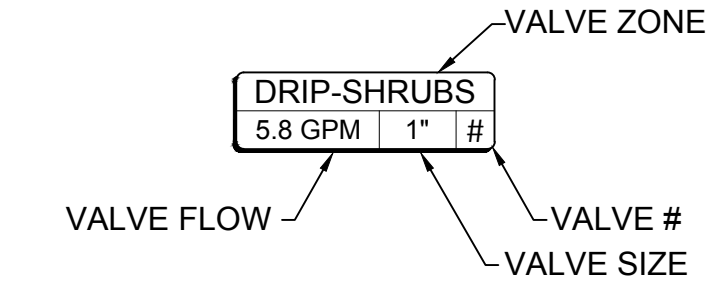
**PIPE SCHEDULE**

SYM	SIZE & DESCRIPTION
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**LATERAL PIPE SIZING**

GPM FLOW	PIPE SIZE
0 - 8.0	3/4"
8.1 - 13.0	1"

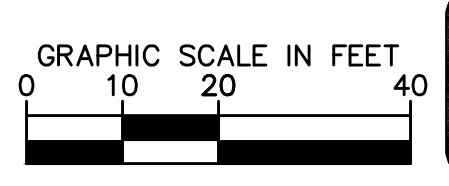
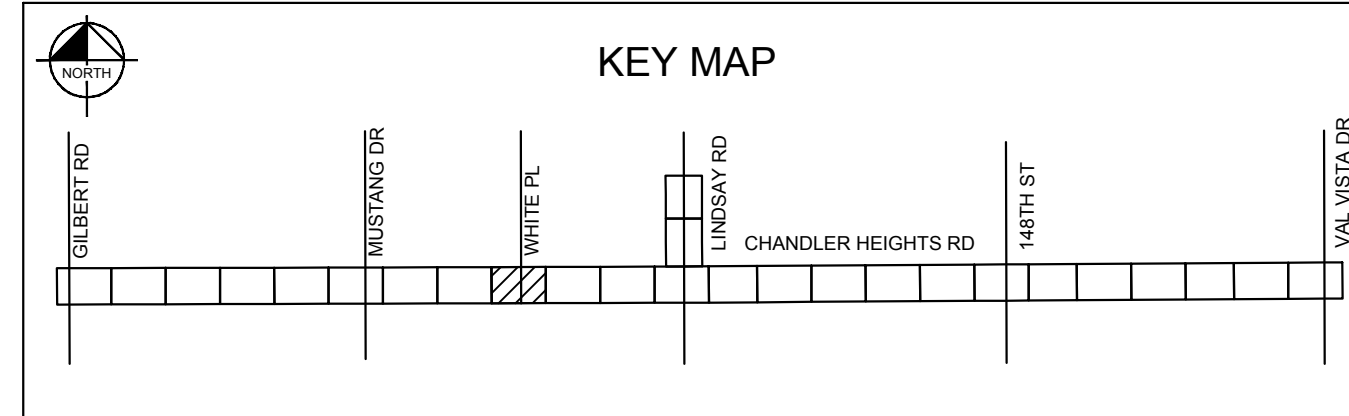
**VALVE KEY**



**IRRIGATION LAYOUT NOTES**

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  - MAINTAIN 2-FOOT SETBACK FROM CURB TO SHRUBS OR GROUNDCOVER UPON MATURITY.



NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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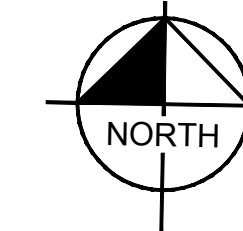
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DRAWN BY:	JLW
CHECKED BY:	ASD
DATE:	03/2024

CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
IRRIGATION PLAN  
STA 256+00 TO STA 260+50

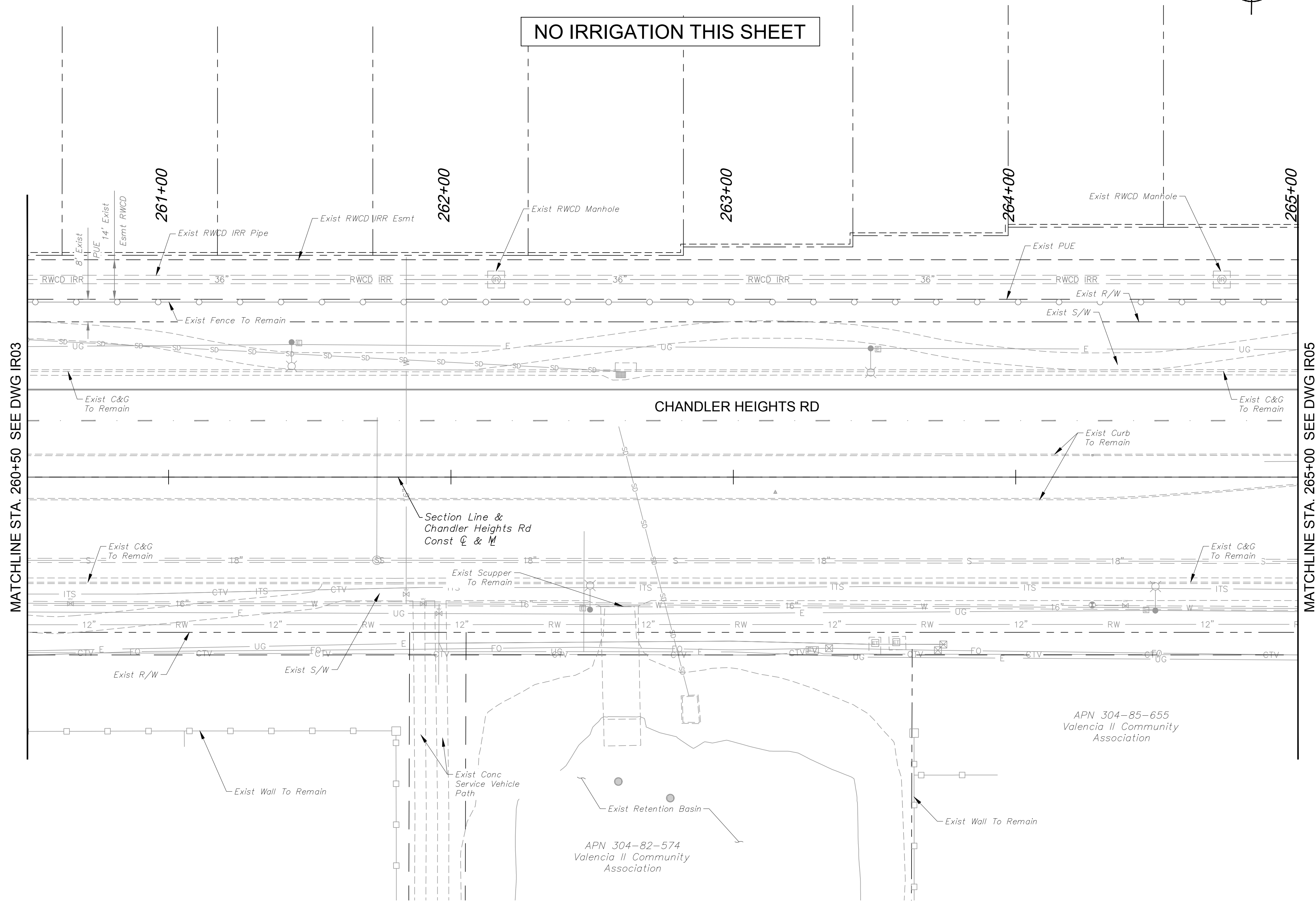
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FEDERAL NO.	CHN-0244JD
ADOT NO.	TO203.01C
SHEET DWG	IR03
117 OF 135	

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

APN 304-74-004P  
Montecito At Old Stone Ranch LLC



NO IRRIGATION THIS SHEET



**IRRIGATION LEGEND**

**MATERIALS AND EQUIPMENT**

SYM	MANUFACTURER / MODEL / DESCRIPTION
☒	Potable Water Meter - 1" Service - Contractor Shall Install Water Main Tap, Service Line, Curb Stop, and Meter Box; City of Chandler to Install Meter
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⊠	Irrigation Restoration Area

**SLEEVE SCHEDULE**

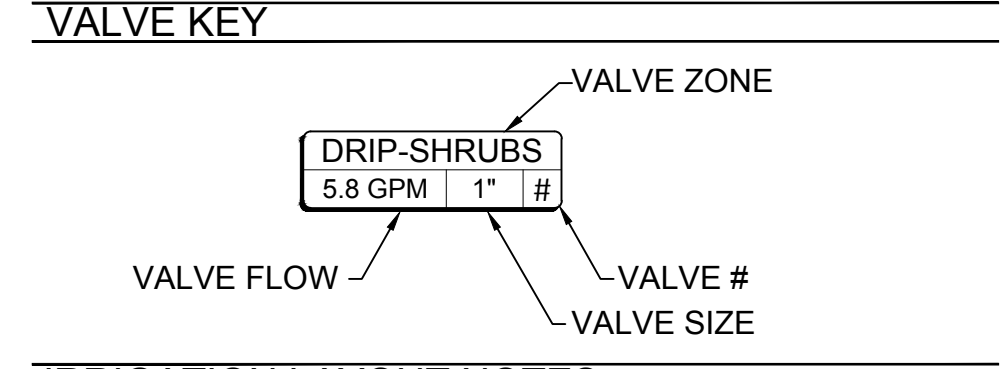
SYM	SIZE & DESCRIPTION
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**PIPE SCHEDULE**

SYM	SIZE & DESCRIPTION
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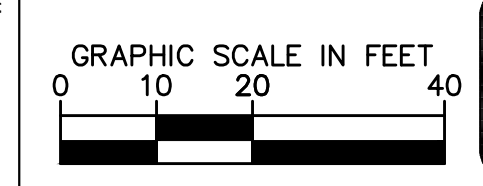
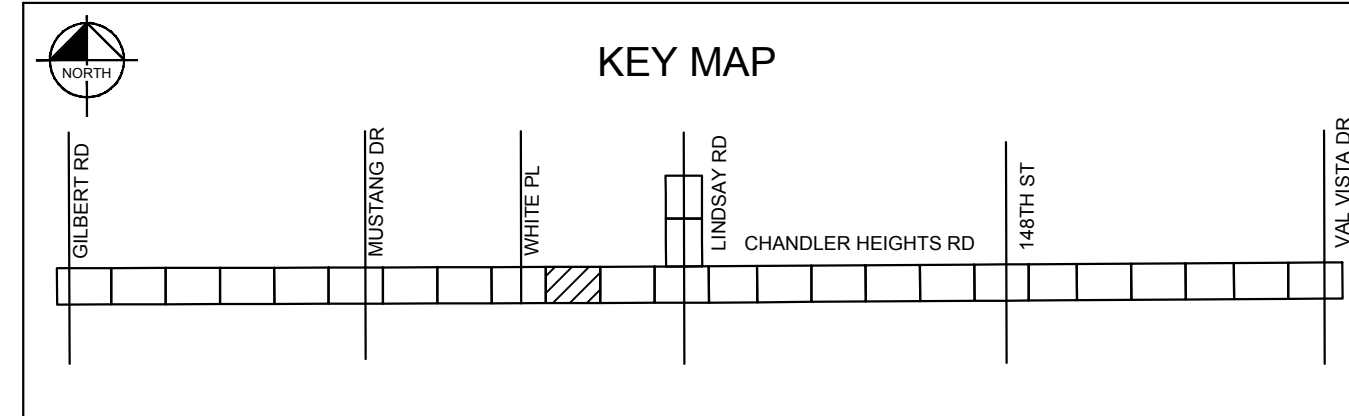
**LATERAL PIPE SIZING**

GPM FLOW	PIPE SIZE
0 - 8.0	3/4"
8.1 - 13.0	1"



- IRRIGATION LAYOUT NOTES**
- IRRIGATION PIPE ROUTING AND EQUIPMENT LOCATIONS ARE DIAGRAMMATIC AND SHALL BE FIELD ADJUSTED TO AVOID CONFLICT WITH AND DISTURBANCE OF EXISTING PLANT MATERIALS AND UTILITY LOCATIONS.
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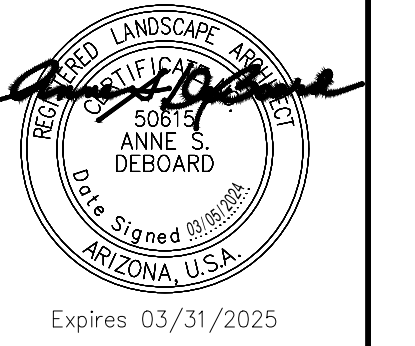
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NO.	REVISIONS	DATE	BY

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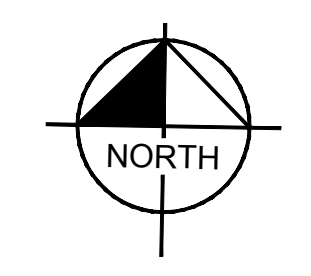
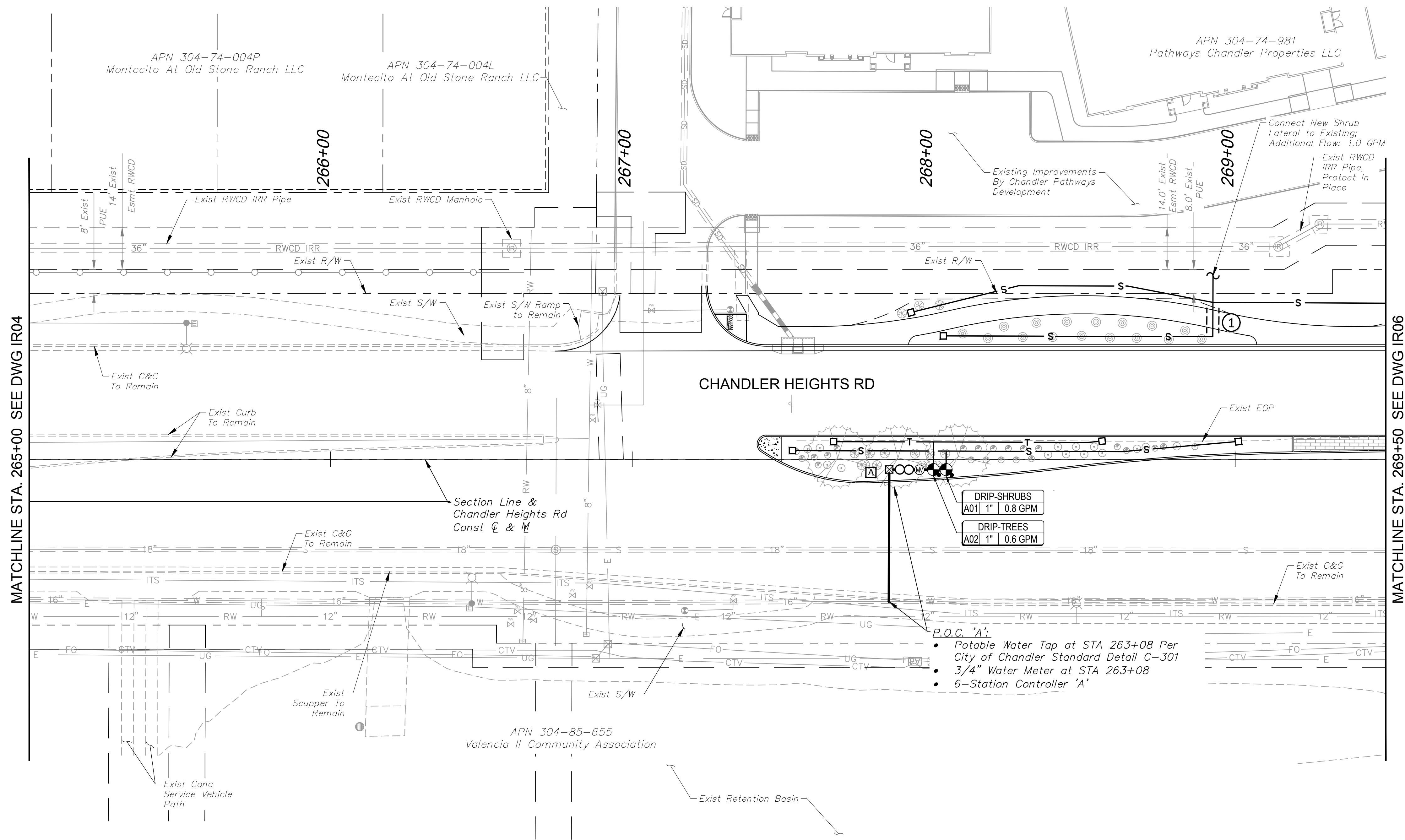
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CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
IRRIGATION PLAN  
STA 260+50 TO STA 265+00  
C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-00244JD
ADOT NO.	TO203.01C
SHEET DWG	IR04
118 OF 135	

Plotted By: VanGerpen, Hannah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: IRD March 05, 2024 06:46:35pm K:\PHX-Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista\Cadd\12-Sheets\191466010\_IR04.dwg

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**IRRIGATION LEGEND**

**MATERIALS AND EQUIPMENT**

SYM	MANUFACTURER / MODEL / DESCRIPTION
☒	Potable Water Meter - 1" Service - Contractor Shall Install Water Main Tap, Service Line, Curb Stop, and Meter Box; City of Chandler to Install Meter
∞	Backflow Preventer - 1" FEBCO 825YA with Security Enclosure (Tan), Refer to City of Chandler Detail C-311
Ⓜ	Master Valve - 1" Hunter PGV-201-DC
Ⓜ	Controller - Hunter Hybrid XCH-600-SS 6-Station Battery Operated with XCHSPOLE Mounting Pole
Ⓜ	Valve - Hunter ICZ-101-LF-DC, 1" Brass Isolation Valve Upstream of 1" ICV Globe Valve with HFR-100-075 Filter Regulator and Hunter 458200 DC-latching solenoids
□	Flush End Cap
Not Shown	Bowsmith Multi-Outlet Emitter ML200 Series* 4 - 2gpm per Tree; 1 - 1gpm per Shrub Provide 1/2" Distribution Tubing To Each Plant As Detailed
☒	* Refer To COC Std. Dtl. C-817 For Emitter Schedule
☒	Irrigation Restoration Area

**SLEEVE SCHEDULE**

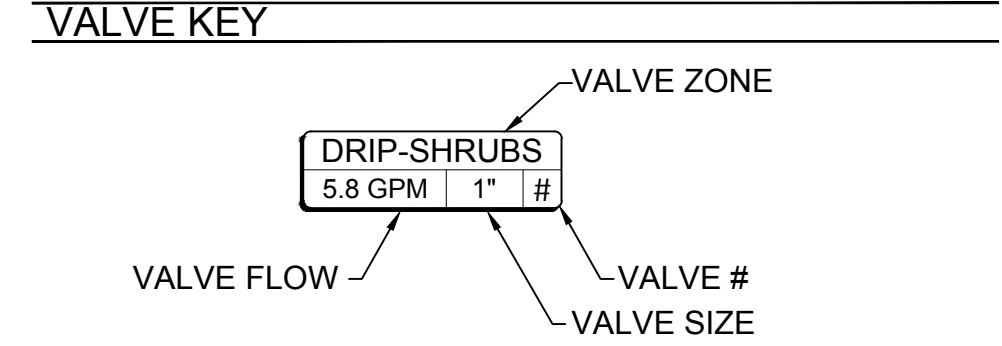
SYM	SIZE & DESCRIPTION
ⓧ	Schedule 40 PVC 2" Lateral Sleeve, Spears or Equal, "X" Indicates Quantity

**PIPE SCHEDULE**

SYM	SIZE & DESCRIPTION
—	Potable Mainline Copper Service Pipe: 4" Type 'K' Copper Hard Tube.
---	Potable Mainline: 2" SCH 40 PVC Solvent Weld Pipe with SCH 80 PVC Fittings
T	Potable Tree Drip Lateral: SDR 21 Class 200 PVC Solvent Weld Pipe with SCH 40 PVC Fittings (Size Below)
S	Potable Shrub Drip Lateral: SDR 21 Class 200 PVC Solvent Weld Pipe with SCH 40 PVC Fittings (Size Below)

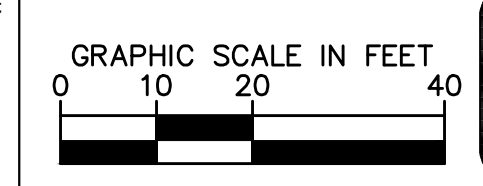
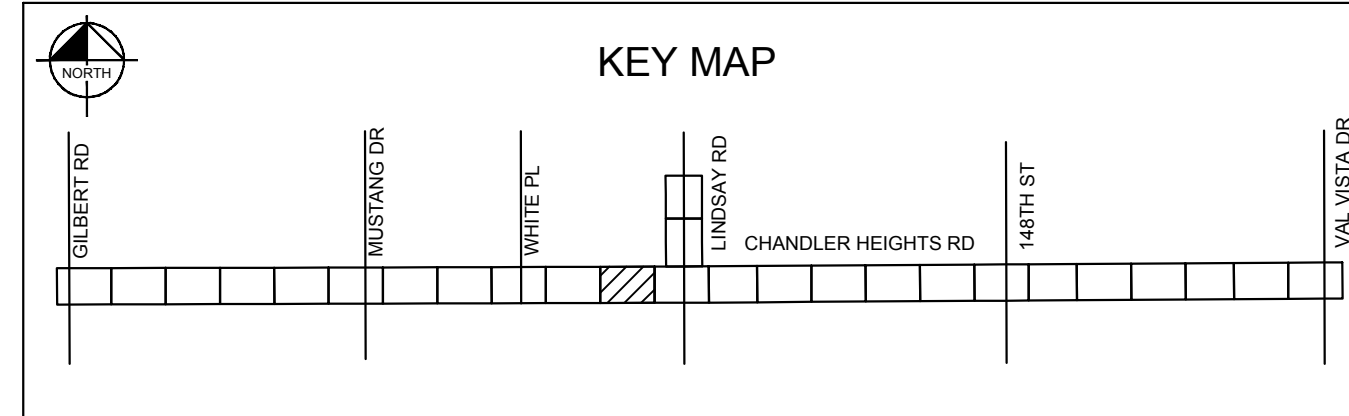
**LATERAL PIPE SIZING**

GPM FLOW	PIPE SIZE
0 - 8.0	3/4"
8.1 - 13.0	1"



- IRRIGATION LAYOUT NOTES**
- IRRIGATION PIPE ROUTING AND EQUIPMENT LOCATIONS ARE DIAGRAMMATIC AND SHALL BE FIELD ADJUSTED TO AVOID CONFLICT WITH AND DISTURBANCE OF EXISTING PLANT MATERIALS AND UTILITY LOCATIONS.
  - EXISTING PLANTS TO REMAIN SHALL CONTINUE TO BE WATERED WITH EXISTING IRRIGATION SYSTEM, WHERE APPLICABLE. WHERE NOT FEASIBLE, PROVIDE WATER WITH NEW PIPE LATERALS.
  - CONTRACTOR SHALL MAINTAIN FUNCTIONALITY OF EXISTING SYSTEM OUTSIDE PROJECT LIMITS. COORDINATE WITH THE CITY OF CHANDLER AND ADJACENT PROPERTY OWNERS FOR TIE-INS AND TEMPORARY INTERRUPTIONS TO SERVICE.
  - CONTRACTOR SHALL INSTALL P.O.C. EQUIPMENT IN MEDIAN AT STATIONS AS NOTED WITHIN CENTER OF MEDIAN MAINTAINING A MINIMUM 6' CLEAR DISTANCE FROM BACK OF CURB.

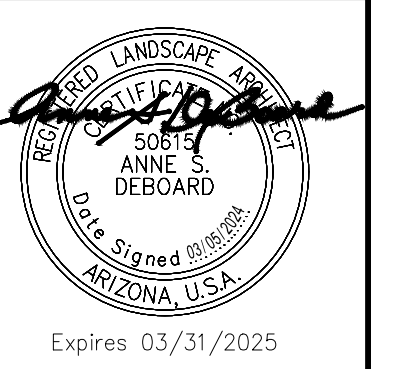
- NOTES**
- PRIOR TO ANY LANDSCAPE OR IRRIGATION CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR/DEVELOPER SHALL NOTIFY THE CITY LANDSCAPE MAINTENANCE AND DESIGN COORDINATOR AT 480-782-3428 AT LEAST 48 HOURS IN ADVANCE OF INSTALLATION WORK.
  - ALL TREES WITHIN VEHICULAR SIGHT DISTANCE/VISIBILITY CLEAR ZONES SHALL HAVE A VERTICAL CANOPY CLEARANCE/CLEAR TRUNK TO 6' ABOVE THE NEAREST CURB ELEVATION, ALL SHRUBS IN THE AREA MAY NOT REACH A MATURE HEIGHT OVER 24".
  - MAINTAIN 2-FOOT SETBACK FROM CURB TO SHRUBS OR GROUND COVER UPON MATURITY.



NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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7740 N. 16th STREET, SUITE 300, PHOENIX, AZ 85020  
PHONE: 602-944-5500 FAX: 602-944-7423  
WWW.KIMLEY-HORN.COM



SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	JLW
DRAWN BY:	JLW
CHECKED BY:	ASD
DATE:	03/2024

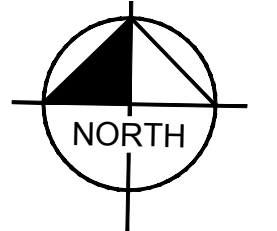
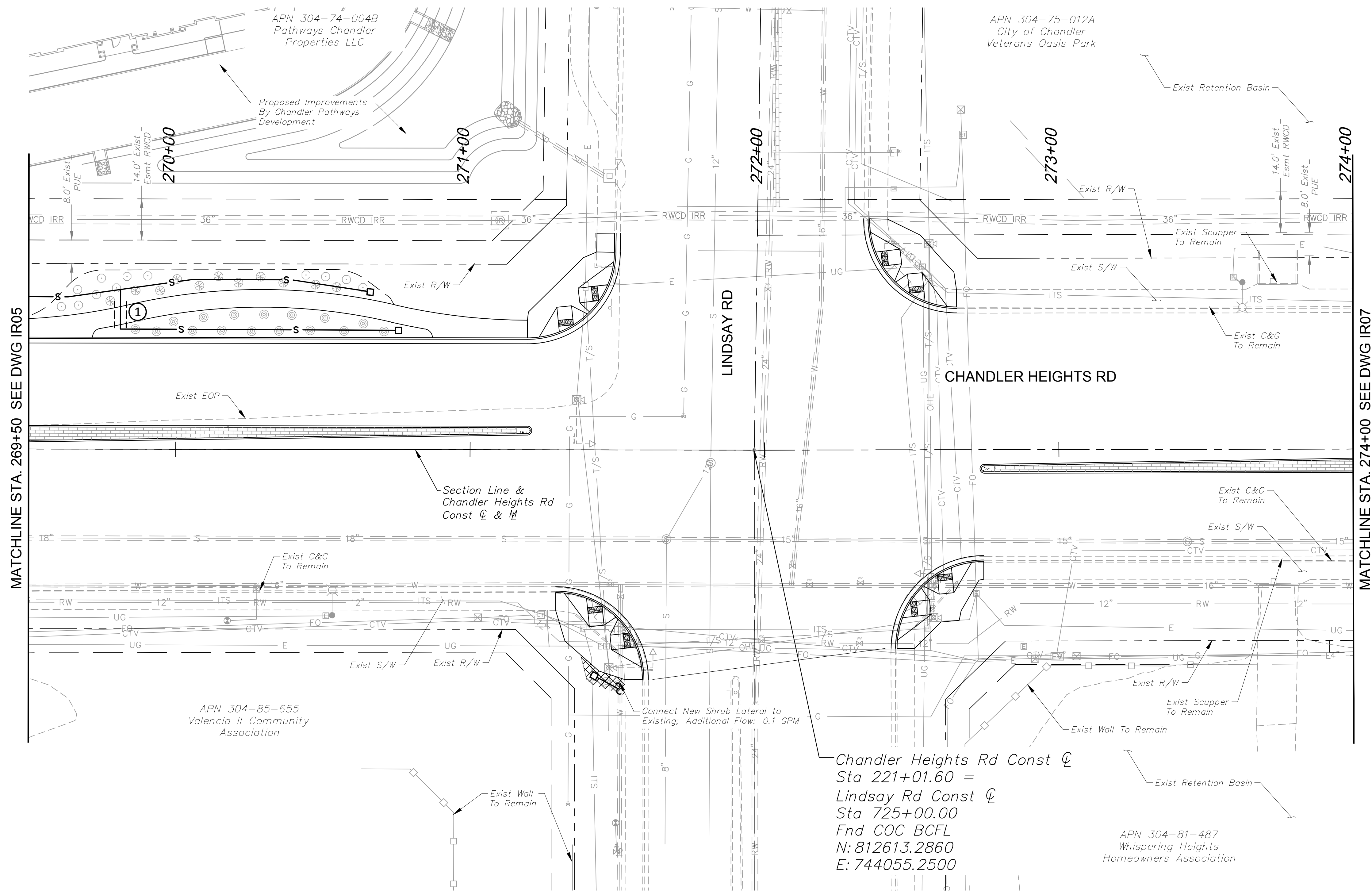
CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
IRRIGATION PLAN  
STA 265+00 TO STA 269+50

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0244JD
ADOT NO.	T0203.01C
SHEET DWG	IR05
119 OF 135	

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS



Plotted By: VanGerpen, Hannah Sheet: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: IR05 March 05, 2024 06:47:33pm K:\PHX-Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista\Card 12-Sheets\191466010-IR05.dwg



**IRRIGATION LEGEND**

MATERIALS AND EQUIPMENT	
SYM	MANUFACTURER / MODEL / DESCRIPTION
☒	Potable Water Meter - 1" Service - Contractor Shall Install Water Main Tap, Service Line, Curb Stop, and Meter Box; City of Chandler to Install Meter
∞	Backflow Preventer - 1" FEBCO 825YA with Security Enclosure (Tan), Refer to City of Chandler Detail C-311
Ⓜ	Master Valve - 1" Hunter PGV-201-DC
Ⓜ	Controller - Hunter Hybrid XCH-600-SS 6-Station Battery Operated with XCHSPOLE Mounting Pole
Ⓜ	Valve - Hunter ICZ-101-LF-DC, 1" Brass Isolation Valve Upstream of 1" ICV Globe Valve with HFR-100-075 Filter Regulator and Hunter 458200 DC-latching solenoids
□	Flush End Cap
Not Shown	Bowsmith Multi-Outlet Emitter ML200 Series* 4 - 2gpm per Tree; 1 - 1gpm per Shrub Provide 1/2" Distribution Tubing To Each Plant As Detailed * Refer To COC Std. Dtl. C-817 For Emitter Schedule
▨	Irrigation Restoration Area

**SLEEVE SCHEDULE**

SYM	SIZE & DESCRIPTION
⊗	Schedule 40 PVC 2" Lateral Sleeve, Spears or Equal, "X" Indicates Quantity

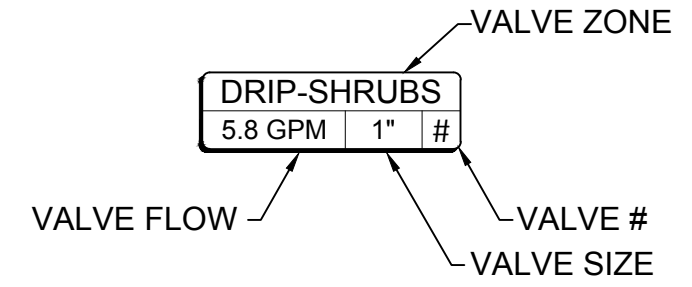
**PIPE SCHEDULE**

SYM	SIZE & DESCRIPTION
—	Potable Mainline Copper Service Pipe: 4" Type 'K' Copper Hard Tube.
---	Potable Mainline: 2" SCH 40 PVC Solvent Weld Pipe with SCH 80 PVC Fittings
T	Potable Tree Drip Lateral: SDR 21 Class 200 PVC Solvent Weld Pipe with SCH 40 PVC Fittings (Size Below)
S	Potable Shrub Drip Lateral: SDR 21 Class 200 PVC Solvent Weld Pipe with SCH 40 PVC Fittings (Size Below)

**LATERAL PIPE SIZING**

GPM FLOW	PIPE SIZE
0 - 8.0	3/4"
8.1 - 13.0	1"

**VALVE KEY**

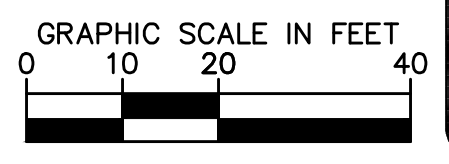
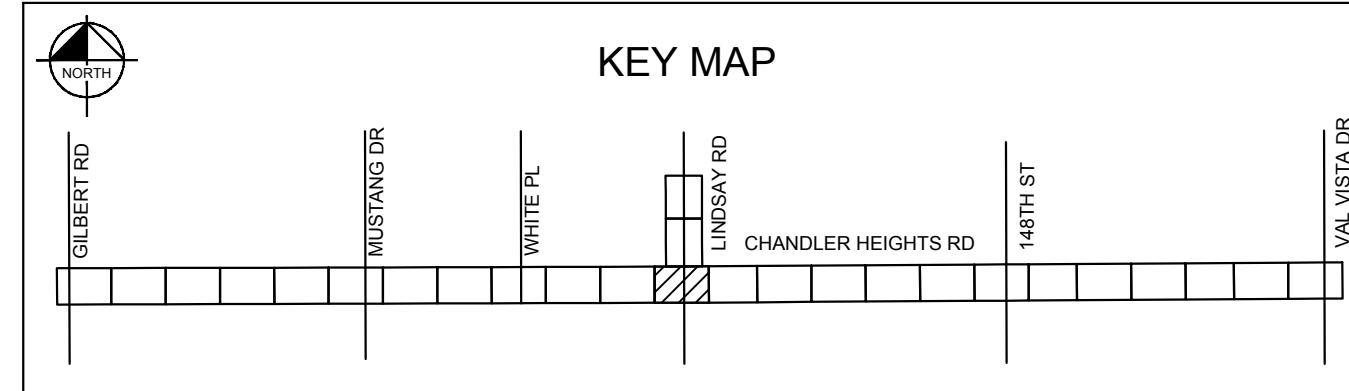


**IRRIGATION LAYOUT NOTES**

- IRRIGATION PIPE ROUTING AND EQUIPMENT LOCATIONS ARE DIAGRAMMATIC AND SHALL BE FIELD ADJUSTED TO AVOID CONFLICT WITH AND DISTURBANCE OF EXISTING PLANT MATERIALS AND UTILITY LOCATIONS.
- EXISTING PLANTS TO REMAIN SHALL CONTINUE TO BE WATERED WITH EXISTING IRRIGATION SYSTEM, WHERE APPLICABLE. WHERE NOT FEASIBLE, PROVIDE WATER WITH NEW PIPE LATERALS.
- CONTRACTOR SHALL MAINTAIN FUNCTIONALITY OF EXISTING SYSTEM OUTSIDE PROJECT LIMITS. COORDINATE WITH THE CITY OF CHANDLER AND ADJACENT PROPERTY OWNERS FOR TIE-INS AND TEMPORARY INTERRUPTIONS TO SERVICE.
- CONTRACTOR SHALL INSTALL P.O.C. EQUIPMENT IN MEDIAN AT STATIONS AS NOTED WITHIN CENTER OF MEDIAN MAINTAINING A MINIMUM 6' CLEAR DISTANCE FROM BACK OF CURB.

**NOTES**

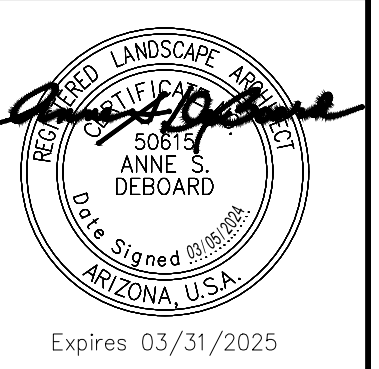
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- MAINTAIN 2-FOOT SETBACK FROM CURB TO SHRUBS OR GROUND COVER UPON MATURITY.



NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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 PHONE: 602-944-5500 FAX: 602-944-7423  
 WWW.KIMLEY-HORN.COM



SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	JLW
DRAWN BY:	JLW
CHECKED BY:	ASD
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 IRRIGATION PLAN  
 STA 269+50 TO STA 274+00  
 CHANDLER HEIGHTS ROAD IMPROVEMENTS

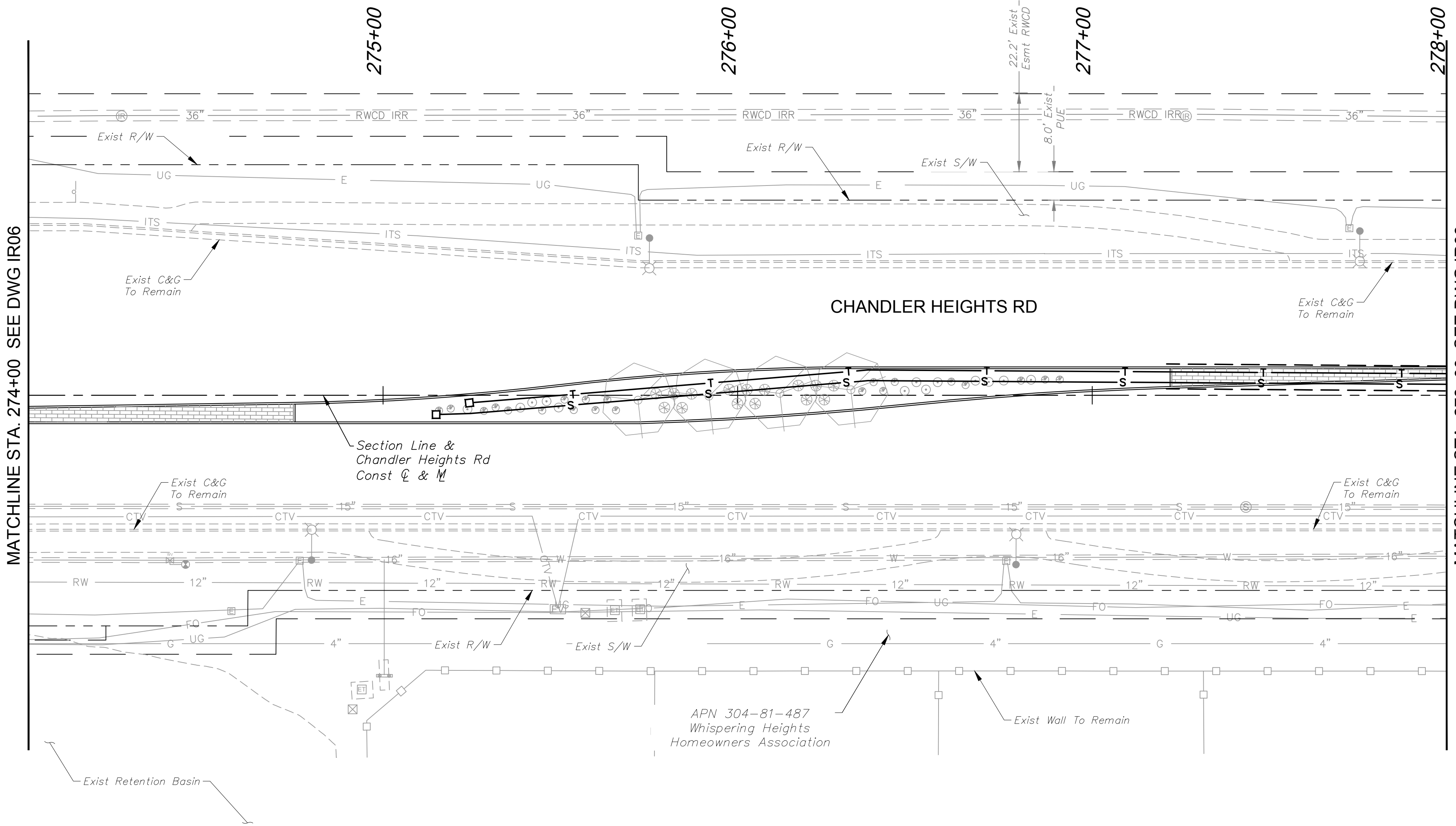
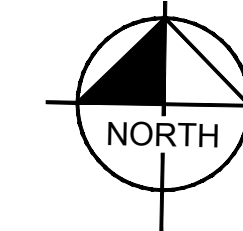
CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0244JD
ADOT NO.	T0203.01C
SHEET DWG	IR06
120 OF 135	

C.O.C. LOG NO. CIV 18-0168

Plotted By: VonGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: IR07 - March 05, 2024 - 06:47:37pm - K:\PHX-Roadwork\191466010-Chandler Heights Rd-Gilbert to Val Vista\Road\12-Sheets\191466010-IR07.dwg

APN 304-75-012A  
City of Chandler  
Veterans Oasis Park

APN 304-81-487  
Whispering Heights  
Homeowners Association



MATCHLINE STA. 274+00 SEE DWG IR06

MATCHLINE STA. 278+00 SEE DWG IR08

**IRRIGATION LEGEND**

**MATERIALS AND EQUIPMENT**

- ☒ Potable Water Meter - 1" Service - Contractor Shall Install Water Main Tap, Service Line, Curb Stop, and Meter Box; City of Chandler to Install Meter
- Backflow Preventer - 1" FEBCO 825YA with Security Enclosure (Tan), Refer to City of Chandler Detail C-311
- Ⓜ Master Valve - 1" Hunter PGV-201-DC
- ⓐ Controller - Hunter Hybrid XCH-600-SS 6-Station Battery Operated with XCHSPOLE Mounting Pole
- Ⓢ Valve - Hunter ICZ-101-LF-DC, 1" Brass Isolation Valve Upstream of 1" ICV Globe Valve with HFR-100-075 Filter Regulator and Hunter 458200 DC-latching solenoids
- Flush End Cap
- Not Shown Bowsmith Multi-Outlet Emitter ML200 Series\* 4 - 2gpm per Tree; 1 - 1gpm per Shrub Provide 1/2" Distribution Tubing To Each Plant As Detailed \* Refer To COC Std. Dtl. C-817 For Emitter Schedule
- ⊞ Irrigation Restoration Area

**SLEEVE SCHEDULE**

- | SYM | SIZE & DESCRIPTION                                                         |
|-----|----------------------------------------------------------------------------|
| ⊗   | Schedule 40 PVC 2" Lateral Sleeve, Spears or Equal, "X" Indicates Quantity |

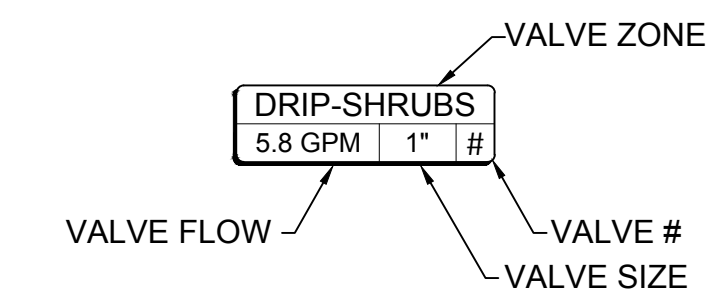
**PIPE SCHEDULE**

- | SYM | SIZE & DESCRIPTION                                                                                       |
|-----|----------------------------------------------------------------------------------------------------------|
| —   | Potable Mainline Copper Service Pipe: 4" Type 'K' Copper Hard Tube.                                      |
| --- | Potable Mainline: 2" SCH 40 PVC Solvent Weld Pipe with SCH 80 PVC Fittings                               |
| T   | Potable Tree Drip Lateral: SDR 21 Class 200 PVC Solvent Weld Pipe with SCH 40 PVC Fittings (Size Below)  |
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**LATERAL PIPE SIZING**

GPM FLOW	PIPE SIZE
0 - 8.0	3/4"
8.1 - 13.0	1"

**VALVE KEY**

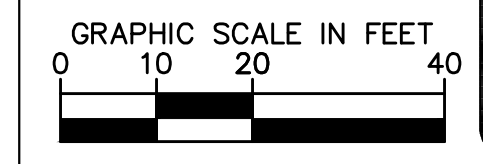
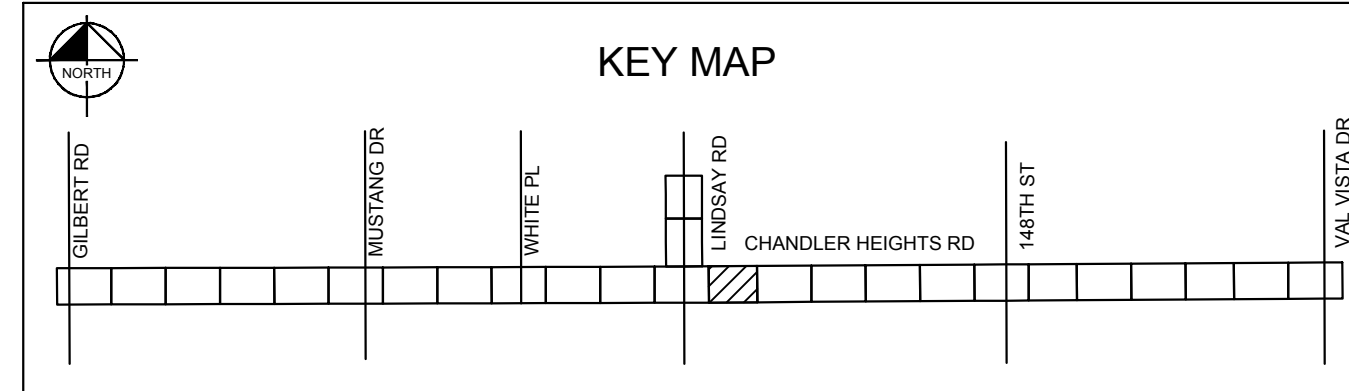


**IRRIGATION LAYOUT NOTES**

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**NOTES**

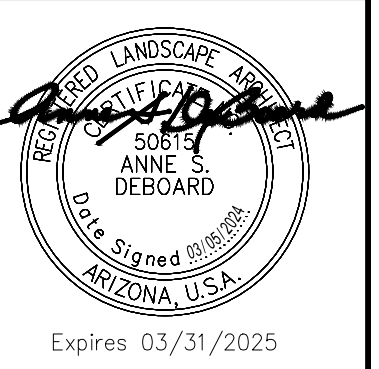
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- MAINTAIN 2-FOOT SETBACK FROM CURB TO SHRUBS OR GROUND COVER UPON MATURITY.



NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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PHONE: 602-944-5500 FAX: 602-944-7423  
WWW.KIMLEY-HORN.COM



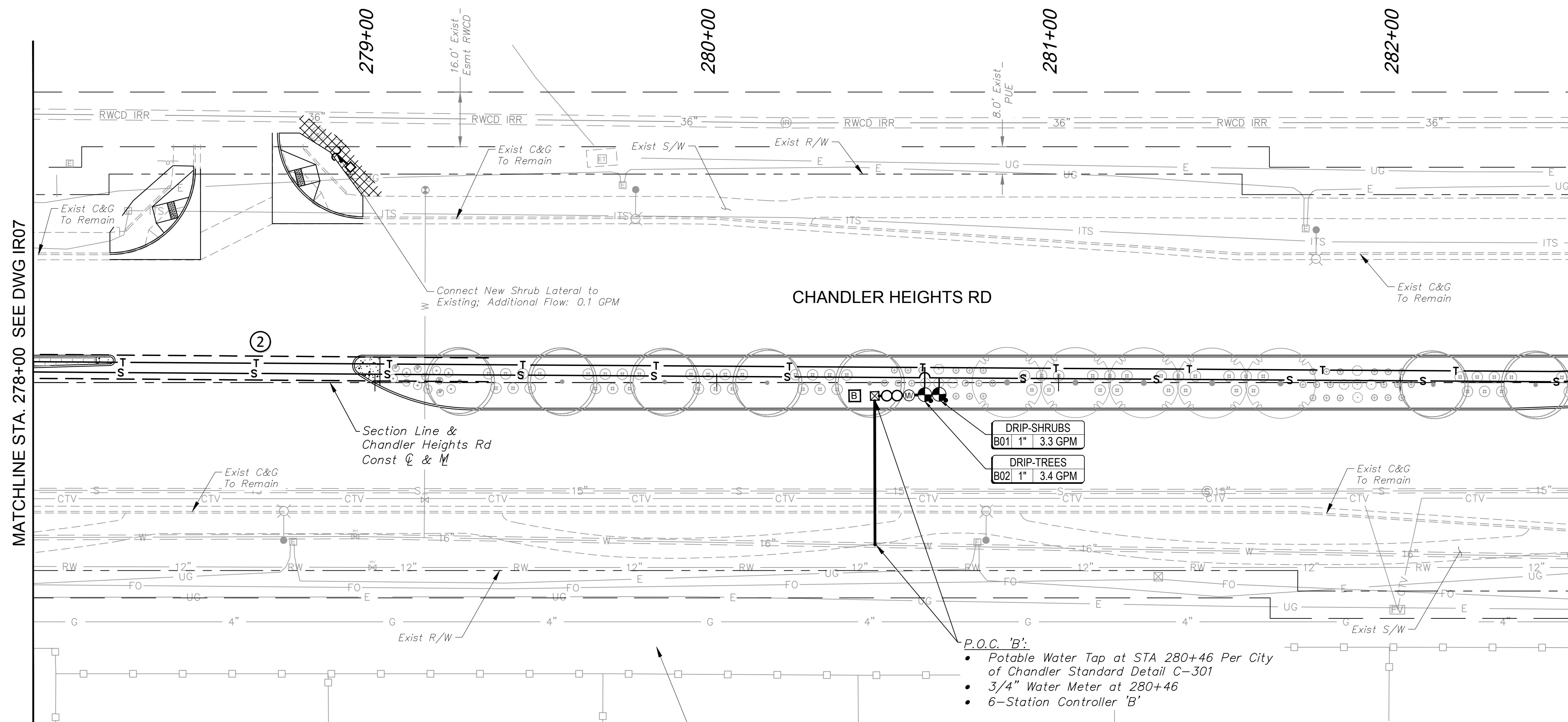
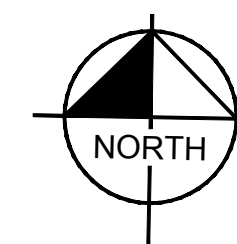
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DESIGNED BY:	JLW	
DRAWN BY:	JLW	
CHECKED BY:	ASD	
DATE:	03/2024	

CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
IRRIGATION PLAN  
STA 274+00 TO STA 278+00

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-00244JD
ADOT NO.	TO203.01C
SHEET DWG	IR07
121 OF 135	

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

APN 304-75-012A  
City of Chandler  
Veterans Oasis Park



**IRRIGATION LEGEND**

**MATERIALS AND EQUIPMENT**

- ☒ Potable Water Meter - 1" Service - Contractor Shall Install Water Main Tap, Service Line, Curb Stop, and Meter Box; City of Chandler to Install Meter
- Backflow Preventer - 1" FEBCO 825YA with Security Enclosure (Tan), Refer to City of Chandler Detail C-311
- Ⓜ Master Valve - 1" Hunter PGV-201-DC
- ⓂⓂ Controller - Hunter Hybrid XCH-600-SS 6-Station Battery Operated with XCHSPOLE Mounting Pole
- ⊕ Valve - Hunter ICZ-101-LF-DC, 1" Brass Isolation Valve Upstream of 1" ICV Globe Valve with HFR-100-075 Filter Regulator and Hunter 458200 DC-latching solenoids
- Flush End Cap
- Not Shown Bowsmith Multi-Outlet Emitter ML200 Series\* 4 - 2gpm per Tree; 1 - 1gpm per Shrub Provide 1/2" Distribution Tubing To Each Plant As Detailed
- \* Refer To COC Std. Dtl. C-817 For Emitter Schedule
- ⊞ Irrigation Restoration Area

**SLEEVE SCHEDULE**

- SYM SIZE & DESCRIPTION
- ⊗ Schedule 40 PVC 2" Lateral Sleeve, Spears or Equal, "X" Indicates Quantity

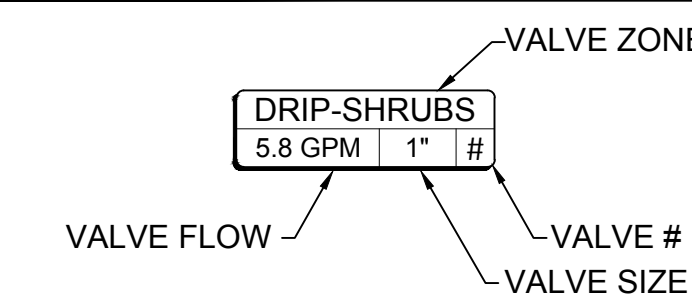
**PIPE SCHEDULE**

- SYM SIZE & DESCRIPTION
- Potable Mainline Copper Service Pipe: 4" Type 'K' Copper Hard Tube.
- - - Potable Mainline: 2" SCH 40 PVC Solvent Weld Pipe with SCH 80 PVC Fittings
- T Potable Tree Drip Lateral: SDR 21 Class 200 PVC Solvent Weld Pipe with SCH 40 PVC Fittings (Size Below)
- S Potable Shrub Drip Lateral: SDR 21 Class 200 PVC Solvent Weld Pipe with SCH 40 PVC Fittings (Size Below)

**LATERAL PIPE SIZING**

GPM FLOW	PIPE SIZE
0 - 8.0	3/4"
8.1 - 13.0	1"

**VALVE KEY**

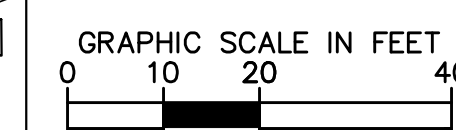
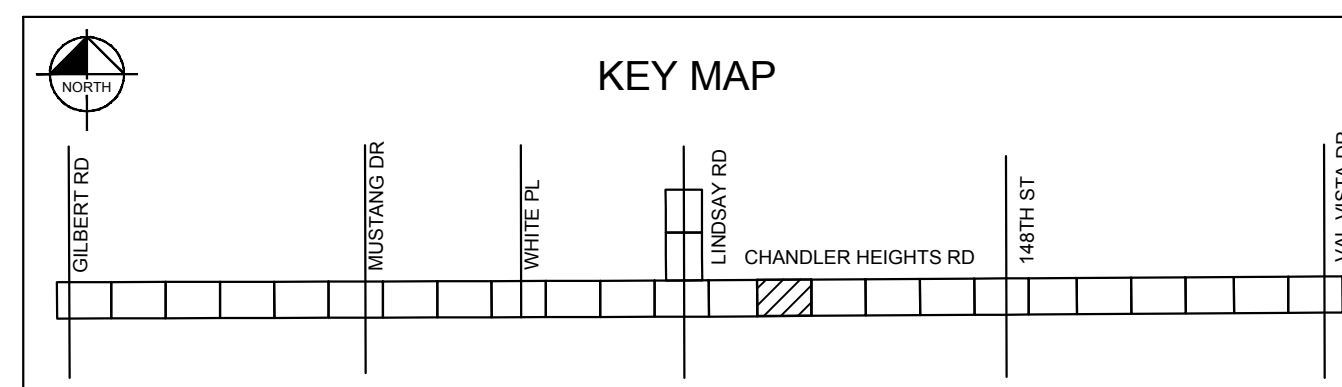


**IRRIGATION LAYOUT NOTES**

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**NOTES**

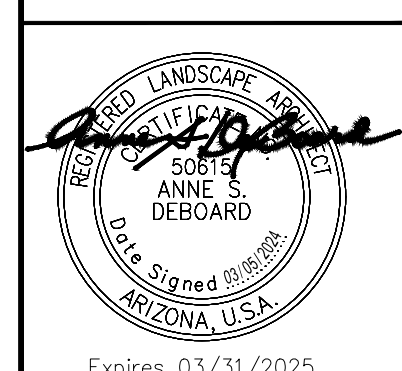
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- MAINTAIN 2-FOOT SETBACK FROM CURB TO SHRUBS OR GROUND COVER UPON MATURITY.



NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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7740 N. 16th STREET, SUITE 300, PHOENIX, AZ 85020  
PHONE: 602-944-5500 FAX: 602-944-7423  
WWW.KIMLEY-HORN.COM



SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	JLW
DRAWN BY:	JLW
CHECKED BY:	ASD
DATE:	03/2024

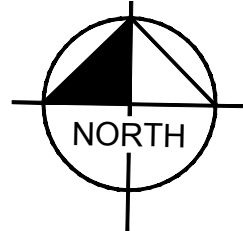
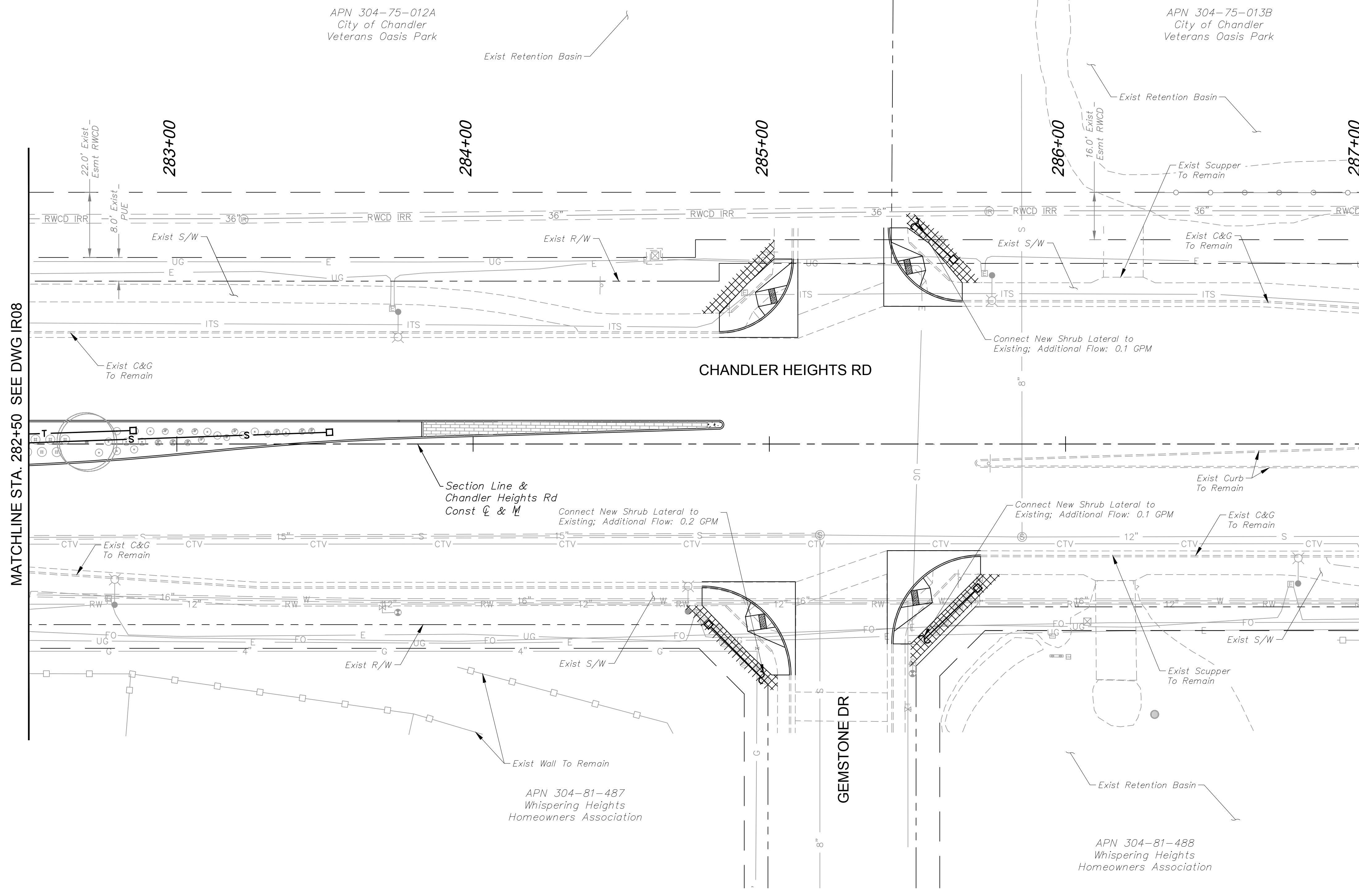
CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
IRRIGATION PLAN  
STA 278+00 TO STA 282+50

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0244JD
ADOT NO.	T0203.01C
SHEET DWG	IR08
122 OF 135	

Plotted By: VanGerpen, Hannah Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS Layout: IR08 March 05, 2024 06:47:43pm K:\PHX-Roadwork\191466010-Chandler Heights Rd-Gilbert to Val Vista\Road\191466010-IR02.dwg

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah - Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS - Layout: IR09 - March 05, 2024 - 08:47:51pm - K:\PHX-Roadway\191466010-Chandler Heights Rd - Gilbert - Val Vista\191466010-IR09.dwg



**IRRIGATION LEGEND**

**MATERIALS AND EQUIPMENT**

- ☒ Potable Water Meter - 1" Service - Contractor Shall Install Water Main Tap, Service Line, Curb Stop, and Meter Box; City of Chandler to Install Meter
- Backflow Preventer - 1" FEBCO 825YA with Security Enclosure (Tan), Refer to City of Chandler Detail C-311
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- Ⓜ Irrigation Restoration Area

**SLEEVE SCHEDULE**

- SYM SIZE & DESCRIPTION
- Ⓧ Schedule 40 PVC 2" Lateral Sleeve, Spears or Equal, "X" Indicates Quantity

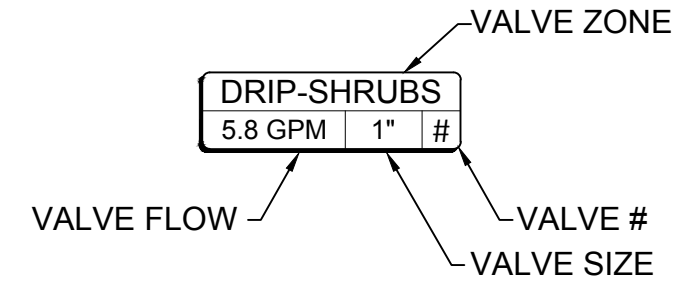
**PIPE SCHEDULE**

- SYM SIZE & DESCRIPTION
- Potable Mainline Copper Service Pipe: 4" Type 'K' Copper Hard Tube.
- - - Potable Mainline: 2" SCH 40 PVC Solvent Weld Pipe with SCH 80 PVC Fittings
- T Potable Tree Drip Lateral: SDR 21 Class 200 PVC Solvent Weld Pipe with SCH 40 PVC Fittings (Size Below)
- S Potable Shrub Drip Lateral: SDR 21 Class 200 PVC Solvent Weld Pipe with SCH 40 PVC Fittings (Size Below)

**LATERAL PIPE SIZING**

GPM FLOW	PIPE SIZE
0 - 8.0	3/4"
8.1 - 13.0	1"

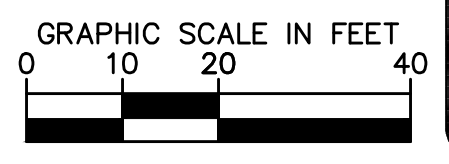
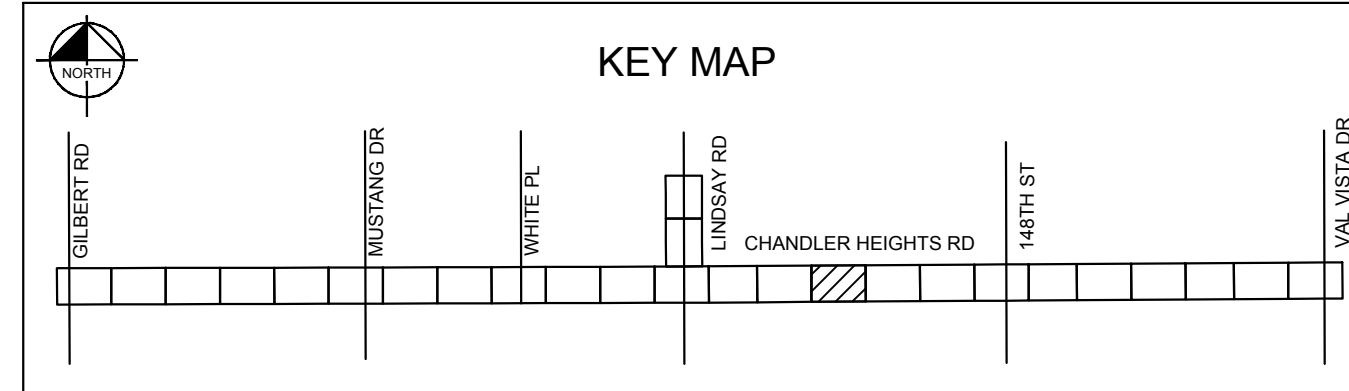
**VALVE KEY**



**IRRIGATION LAYOUT NOTES**

1. IRRIGATION PIPE ROUTING AND EQUIPMENT LOCATIONS ARE DIAGRAMMATIC AND SHALL BE FIELD ADJUSTED TO AVOID CONFLICT WITH AND DISTURBANCE OF EXISTING PLANT MATERIALS AND UTILITY LOCATIONS.
2. EXISTING PLANTS TO REMAIN SHALL CONTINUE TO BE WATERED WITH EXISTING IRRIGATION SYSTEM, WHERE APPLICABLE. WHERE NOT FEASIBLE, PROVIDE WATER WITH NEW PIPE LATERALS.
3. CONTRACTOR SHALL MAINTAIN FUNCTIONALITY OF EXISTING SYSTEM OUTSIDE PROJECT LIMITS. COORDINATE WITH THE CITY OF CHANDLER AND ADJACENT PROPERTY OWNERS FOR TIE-INS AND TEMPORARY INTERRUPTIONS TO SERVICE.
4. CONTRACTOR SHALL INSTALL P.O.C. EQUIPMENT IN MEDIAN AT STATIONS AS NOTED WITHIN CENTER OF MEDIAN MAINTAINING A MINIMUM 6' CLEAR DISTANCE FROM BACK OF CURB.

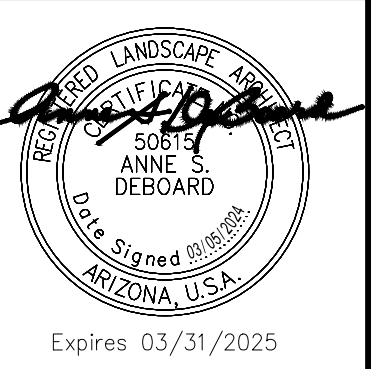
- NOTES**
1. PRIOR TO ANY LANDSCAPE OR IRRIGATION CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR/DEVELOPER SHALL NOTIFY THE CITY LANDSCAPE MAINTENANCE AND DESIGN COORDINATOR AT 480-782-3428 AT LEAST 48 HOURS IN ADVANCE OF INSTALLATION WORK.
  2. ALL TREES WITHIN VEHICULAR SIGHT DISTANCE/VISIBILITY CLEAR ZONES SHALL HAVE A VERTICAL CANOPY CLEARANCE/CLEAR TRUNK TO 6' ABOVE THE NEAREST CURB ELEVATION, ALL SHRUBS IN THE AREA MAY NOT REACH A MATURE HEIGHT OVER 24".
  3. MAINTAIN 2-FOOT SETBACK FROM CURB TO SHRUBS OR GROUNDCOVER UPON MATURITY.



NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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PHONE: 602-944-5500 FAX: 602-944-7423  
WWW.KIMLEY-HORN.COM

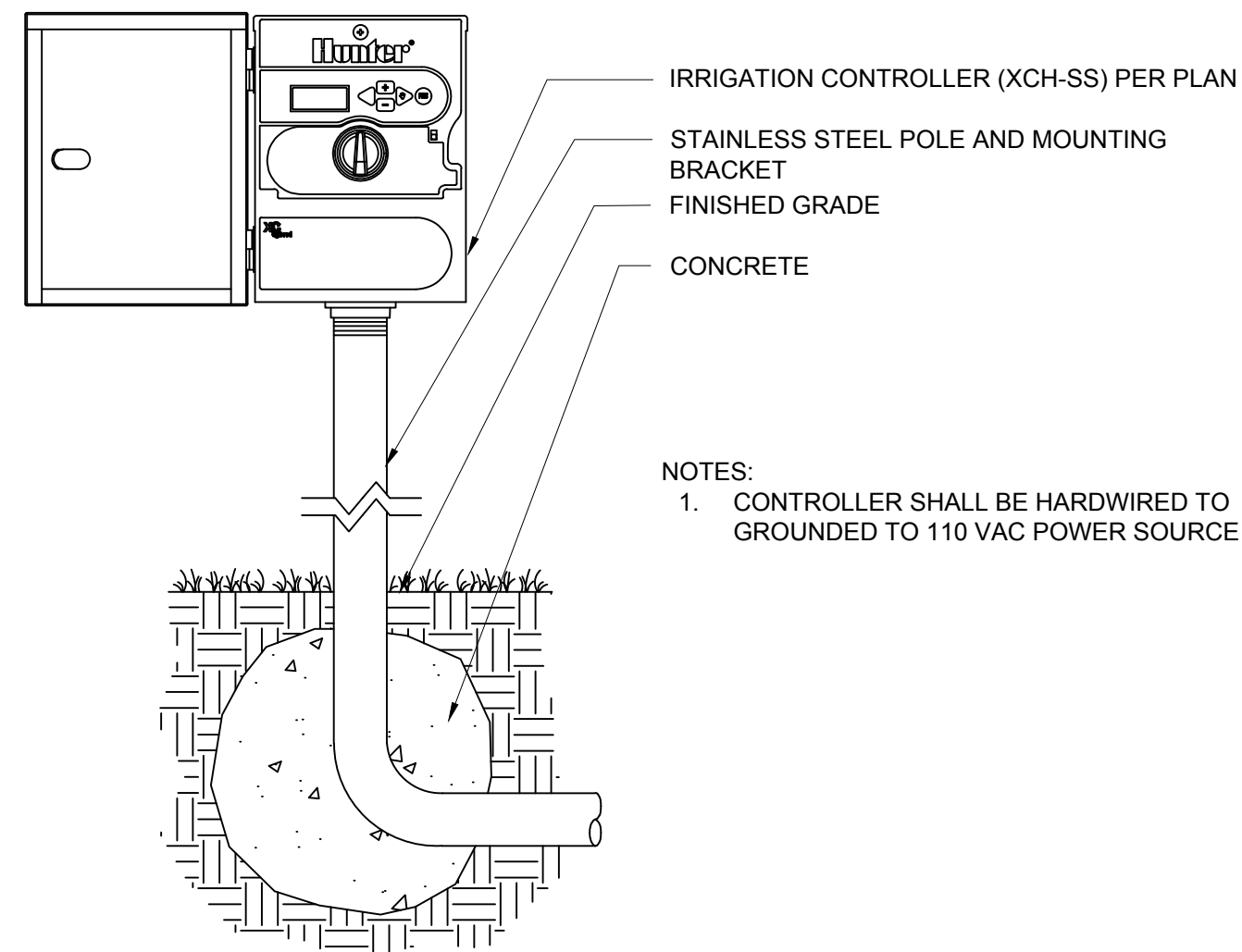


SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	JLW
DRAWN BY:	JLW
CHECKED BY:	ASD
DATE:	03/2024

CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
IRRIGATION PLAN  
STA 282+50 TO STA 287+00

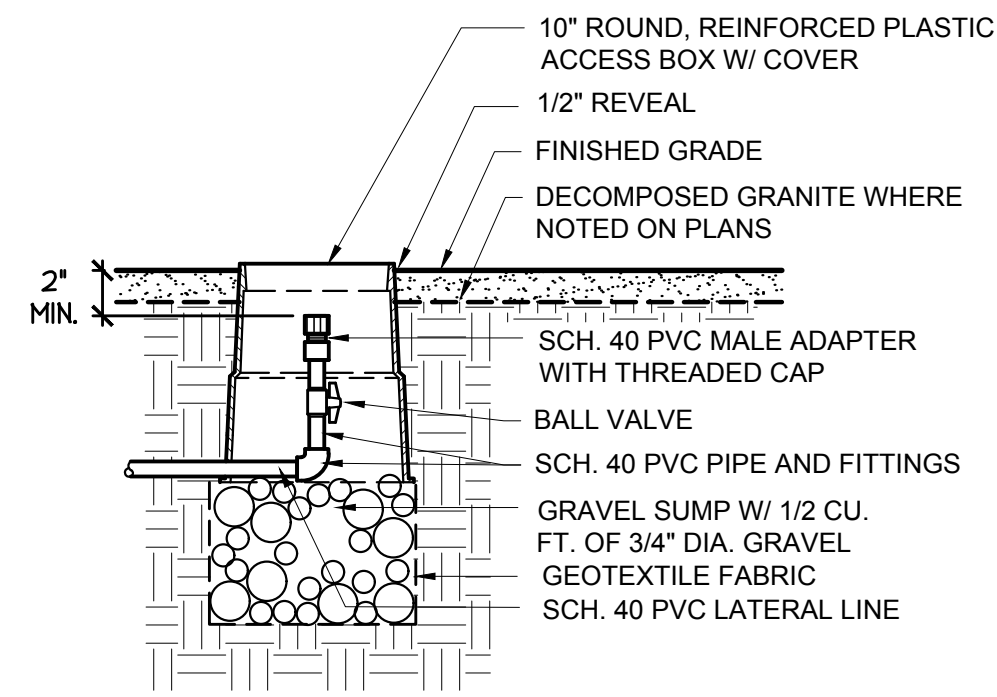
CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0244JD
ADOT NO.	T0203.01C
SHEET DWG	IR09
123 OF 135	

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS



**1 BATTERY-OPERATED IRRIGATION CONTROLLER**

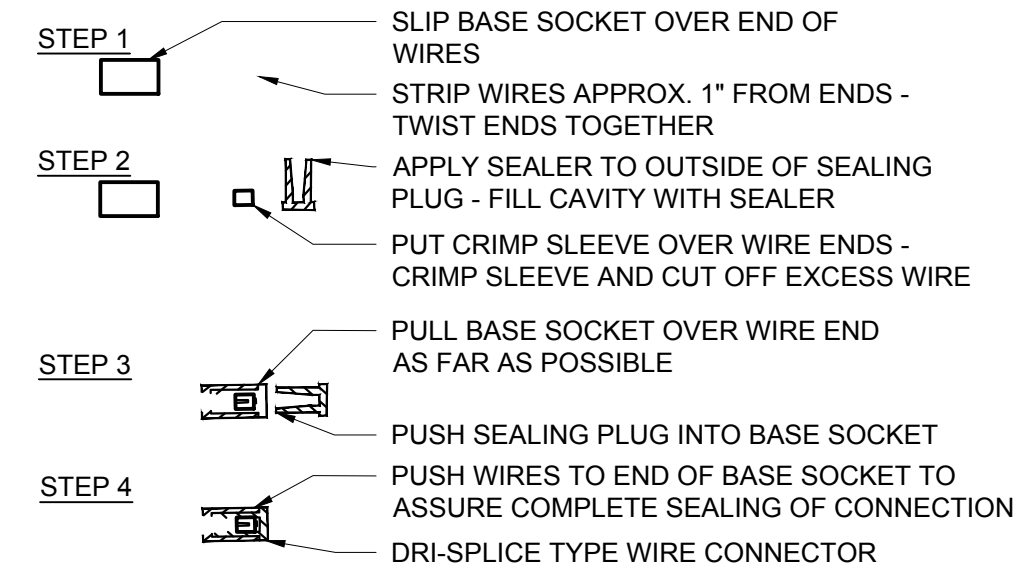
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**2 LATERAL FLUSHING END CAP**

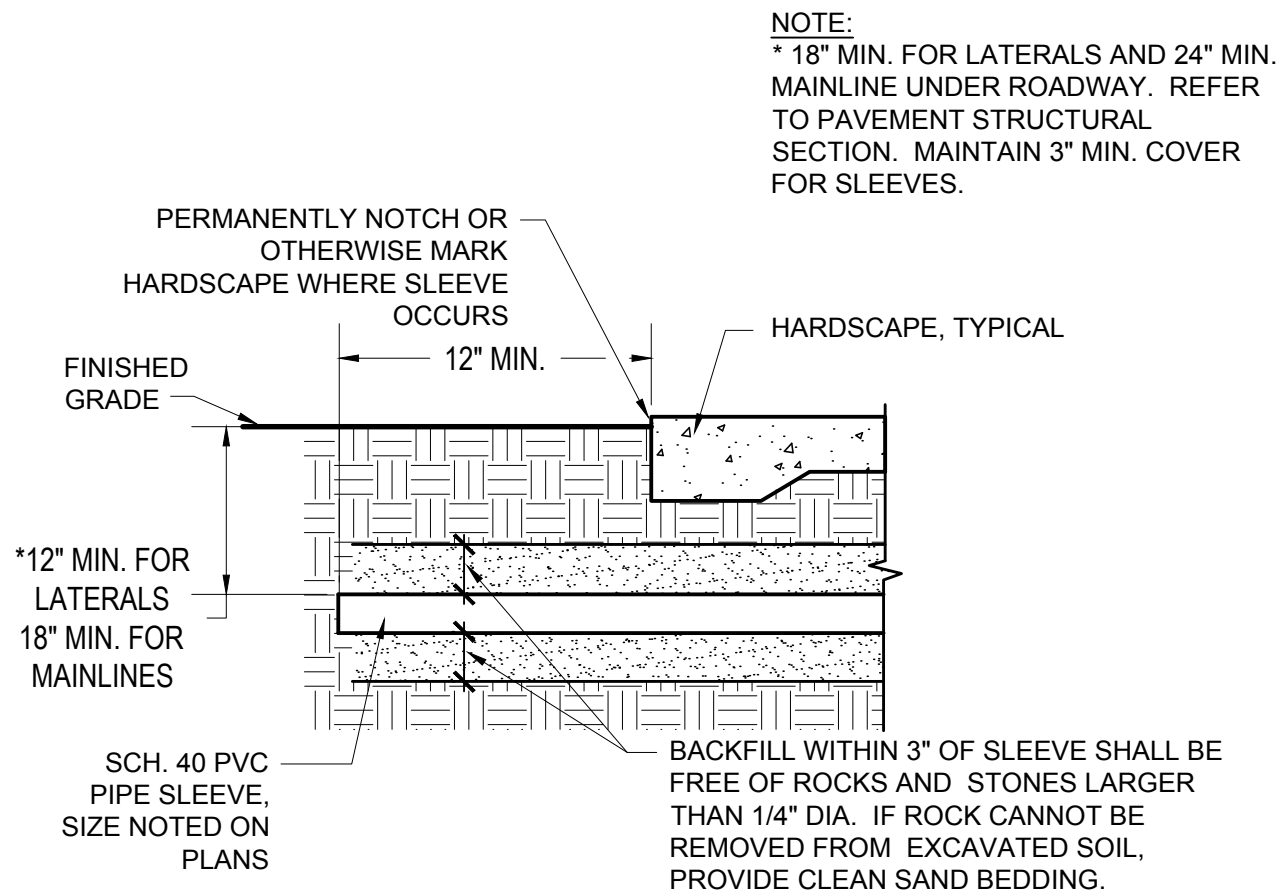
SCALE: N.T.S.

- NOTES  
 1. FOR WIRE SIZES NO. 14, 12, AND 10, ALL CONNECTIONS IN VALVE BOXES ONLY.  
 2. INSTALL SPEARS DS-100 DRI-SPLICE CONNECTORS WITH DS-300 SEALANT.



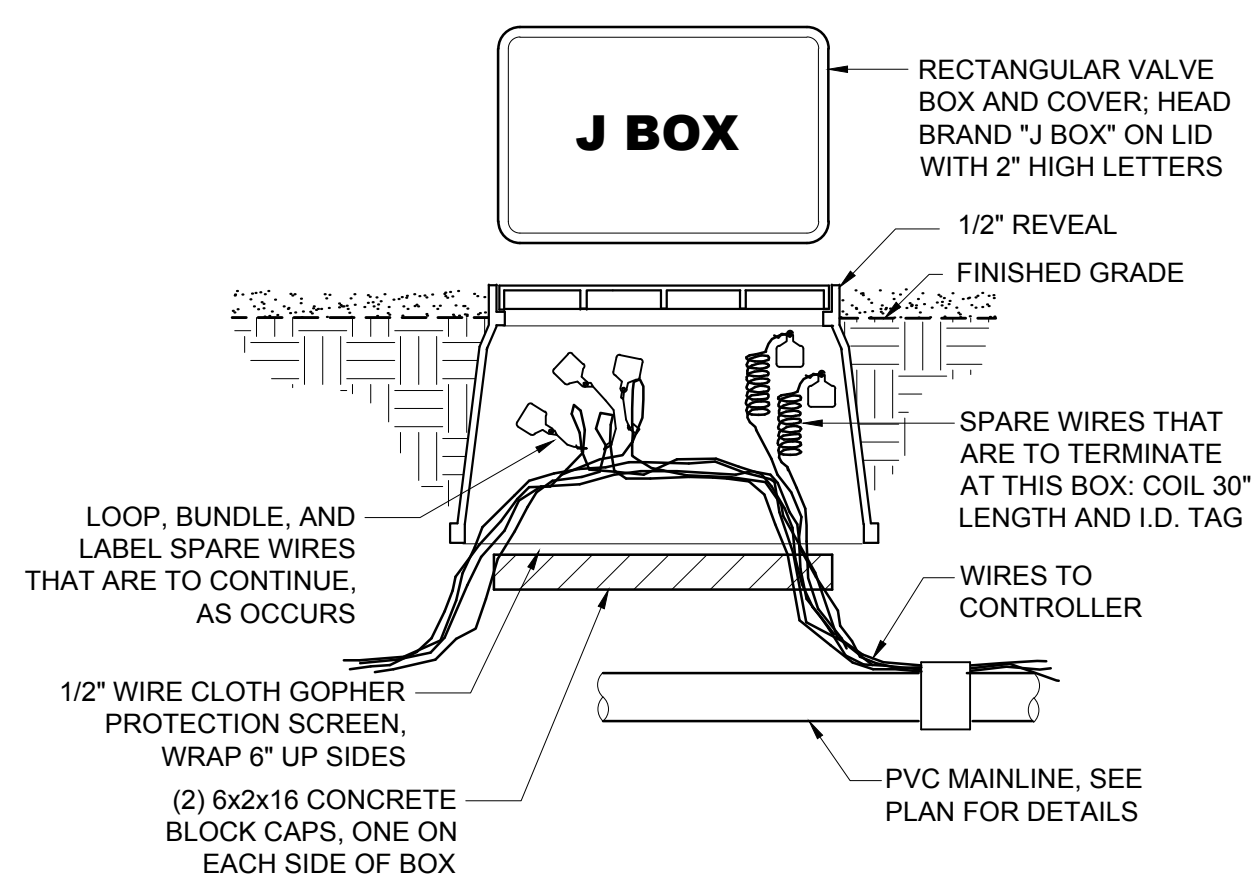
**3 IRRIGATION WIRE CONNECTION**

SCALE: N.T.S.



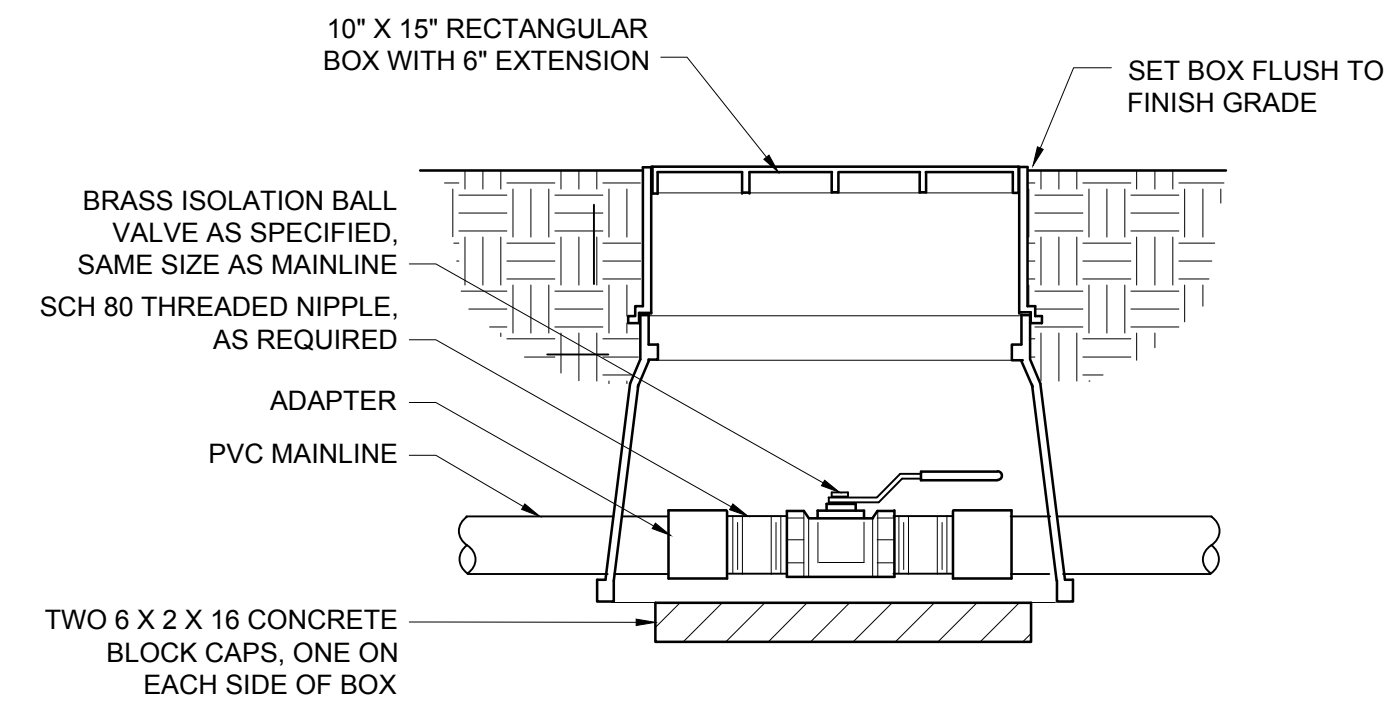
**4 MAINLINE AND LATERAL PIPE SLEEVING**

SCALE: N.T.S.



**5 IRRIGATION WIRING JUNCTION BOX**

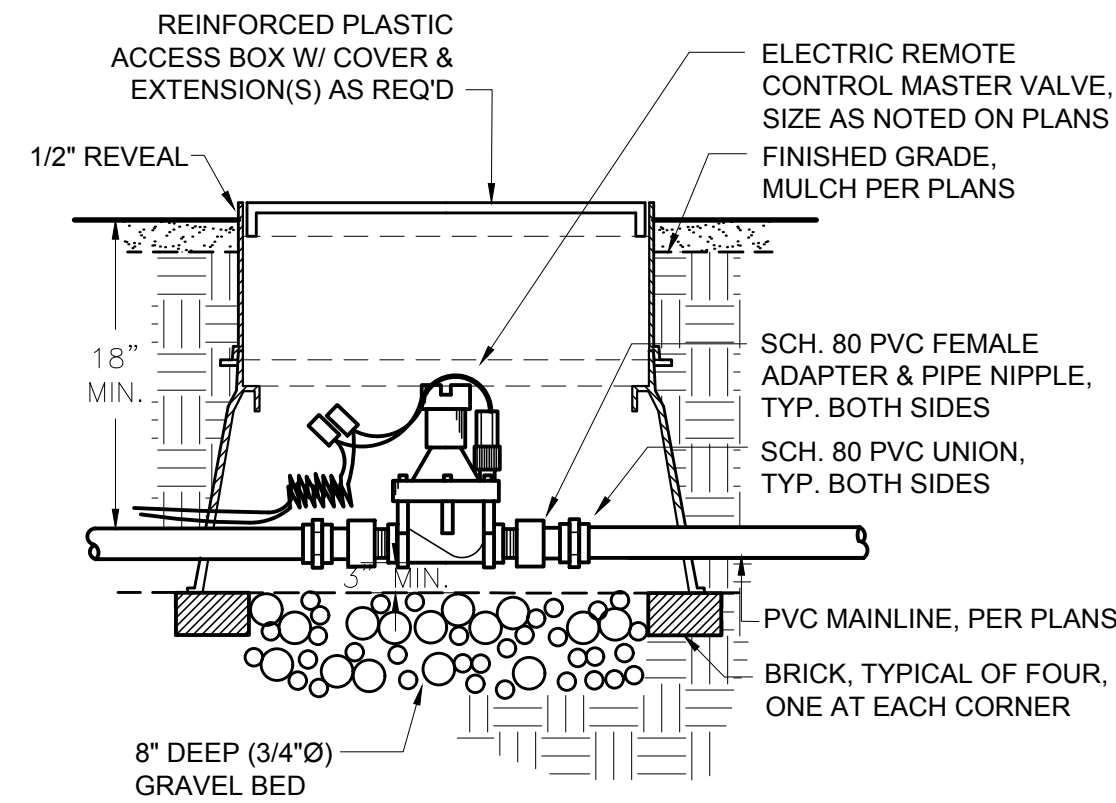
SCALE: N.T.S.



**6 BRASS BALL ISOLATION VALVE**

SCALE: N.T.S.

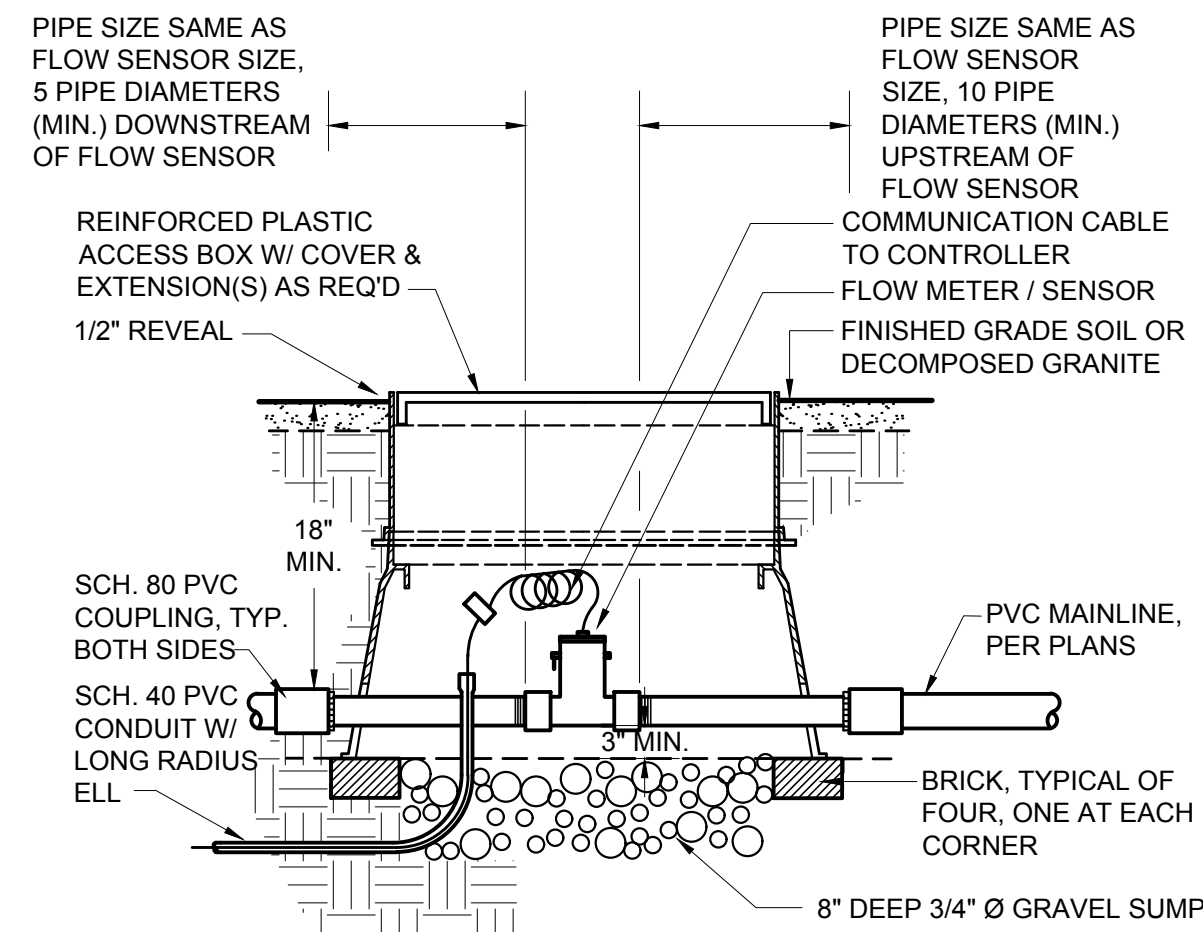
- NOTES:  
 1. ALL WIRES TO BE INSTALLED PER LOCAL CODE. TAPE AND BUNDLE WIRES EVERY 7'. PROVIDE EXPANSION COIL AT EACH WIRE CONNECTION IN VALVE BOX (WRAP AROUND 1/2" Ø PIPE 15 TIMES).  
 2. COMPACT SOIL AROUND VALVE BOX TO SAME DENSITY AS ADJACENT UNDISTURBED SOIL.  
 3. ALL THREADED PVC JOINTS SHALL BE WRAPPED WITH TEFLON TAPE.



**7 MASTER VALVE**

SCALE: N.T.S.

- NOTE:  
 PROVIDE PULSE DECODER, PULSE TRANSMITTER, PULSE TRANSMITTER POWER SUPPLY, AND SURGE PROTECTOR IN ACCORDANCE WITH FLOW SENSOR / CONTROL SYSTEM MANUFACTURER'S RECOMMENDATIONS.



**8 FLOW SENSOR ASSEMBLY**

SCALE: N.T.S.

NOTES

- PRIOR TO ANY LANDSCAPE OR IRRIGATION CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR/DEVELOPER SHALL NOTIFY THE CITY LANDSCAPE MAINTENANCE AND DESIGN COORDINATOR AT 480-782-3428 AT LEAST 48 HOURS IN ADVANCE OF INSTALLATION WORK.
- ALL LANDSCAPING SHALL BE MAINTAINED BY THE LANDOWNER OR LESSOR.

NO.	REVISIONS	DATE	BY

**Kimley»Horn**  
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 7740 N. 16th STREET, SUITE 300, PHOENIX, AZ 85020  
 PHONE: 602-944-5500 FAX: 602-944-7423  
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SCALE (H):	N/A
SCALE (V):	N/A
DESIGNED BY:	ASD
DRAWN BY:	JLW
CHECKED BY:	ASD
DATE:	03/2024

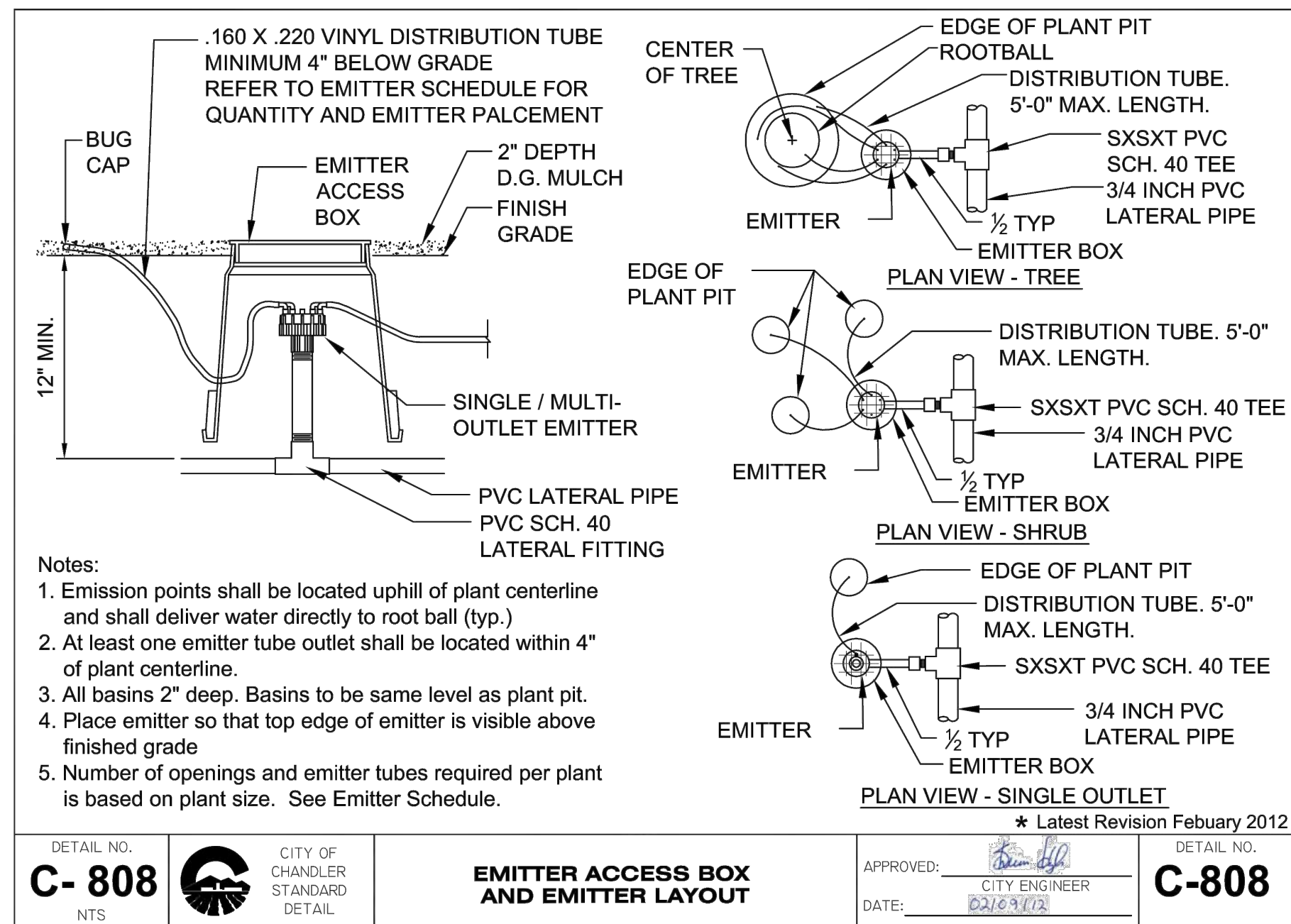
CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 IRRIGATION DETAILS

CITY PROJECT NO. ST1804.401  
 FEDERAL NO. CHN-0(244)D  
 ADOT NO. T0203 01C

SHEET DWG IRDT01

124 OF 135

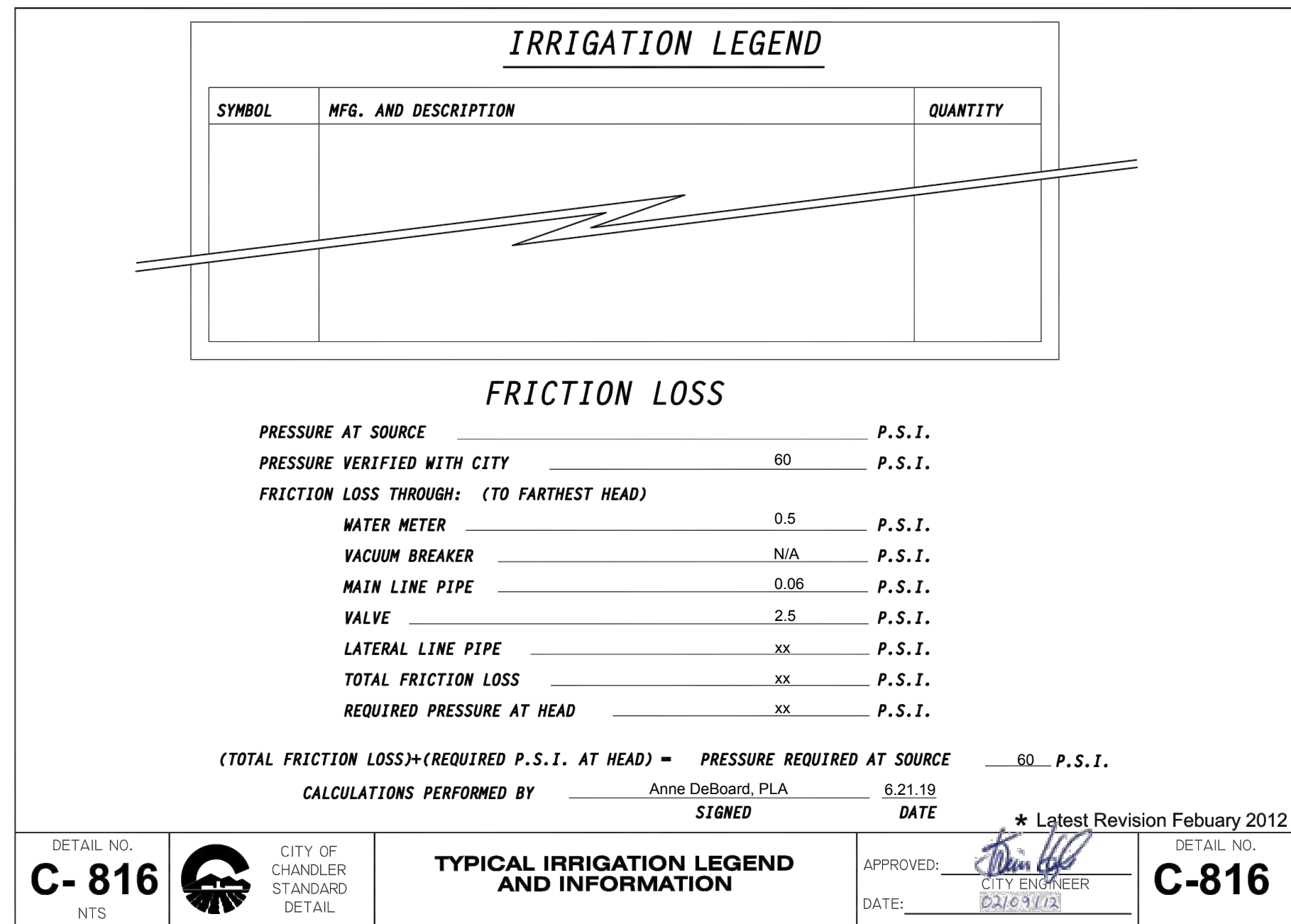




- Notes:
- Emission points shall be located uphill of plant centerline and shall deliver water directly to root ball (typ.)
  - At least one emitter tube outlet shall be located within 4" of plant centerline.
  - All basins 2" deep. Basins to be same level as plant pit.
  - Place emitter so that top edge of emitter is visible above finished grade
  - Number of openings and emitter tubes required per plant is based on plant size. See Emitter Schedule.

DETAIL NO. **C-808** CITY OF CHANDLER STANDARD DETAIL  
**EMITTER ACCESS BOX AND EMITTER LAYOUT**  
 APPROVED: [Signature] CITY ENGINEER  
 DATE: 02/16/22  
 \* Latest Revision February 2012

**10** EMITTER ACCESS BOX AND EMITTER LAYOUT  
 SCALE: N.T.S.



DETAIL NO. **C-816** CITY OF CHANDLER STANDARD DETAIL  
**TYPICAL IRRIGATION LEGEND AND INFORMATION**  
 APPROVED: [Signature] CITY ENGINEER  
 DATE: 02/16/22  
 \* Latest Revision February 2012

**11** TYPICAL IRRIGATION LEGEND AND INFORMATION (POC 'A')  
 SCALE: N.T.S.

**A - EMITTER SCHEDULE FOR TREES, SHRUBS, GROUNDCOVERS AND ACCENTS**

PLANT SIZE	TYPE OF EMITTER	NUMBER OF EMITTERS	GALLONS PER HOUR PER PLANT
1 GALLON	SINGLE OR MULTI	1	.5 or 1
5 GALLON	SINGLE OR MULTI	1	.5 or 1
15 GALLON	MULTI	4	4
24" BOX	MULTI	4	4
30" BOX	MULTI	6	6
36" BOX	MULTI	6	6
48" BOX	MULTI	6	6

**B - BUBBLER SCHEDULE FOR PALMS**

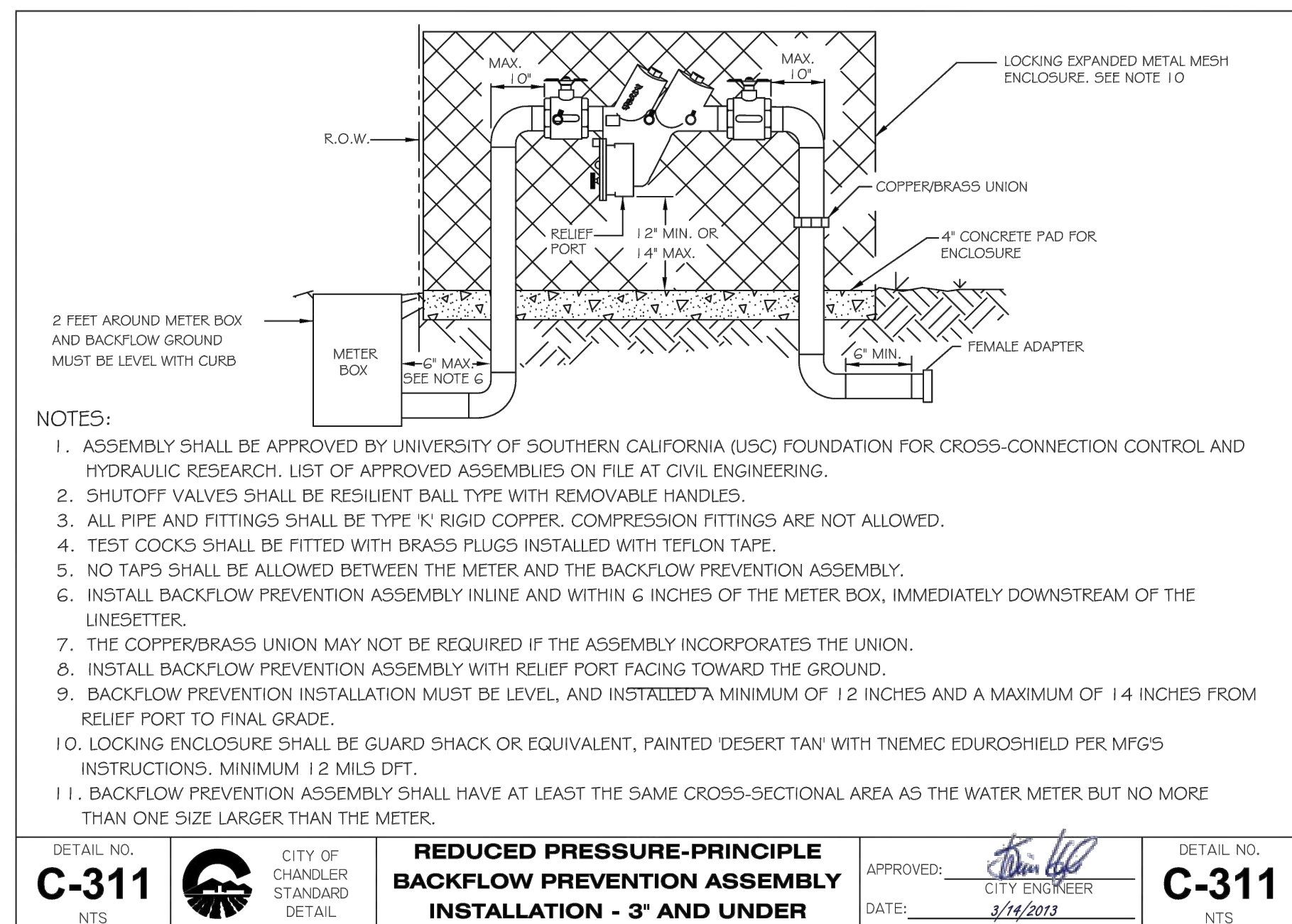
TRUNK DIAMETER AT GRADE	NUMBER OF BUBBLERS
12 - 24"	2
25 - 32"	2
33 - 36"	2

**C - CACTUS**  
 DO NOT PROVIDE IRRIGATION TO CACTUS

NOTES:  
 1. REFER TO EMITTER AND BUBBLER DETAILS FOR SPECIFICATIONS AND LAYOUT INFORMATION.  
 2. ADJUST IRRIGATION OPERATING TIMES TO ACCOMMODATE PLANT MATURITY, SOIL TYPE, PLANT EXPOSURE AND SEASONAL REQUIREMENTS.

DETAIL NO. **C-817** CITY OF CHANDLER STANDARD DETAIL  
**EMITTER-BUBBLER SCHEDULE**  
 APPROVED: [Signature] CITY ENGINEER  
 DATE: 02/16/22  
 \* Latest Revision February 2012

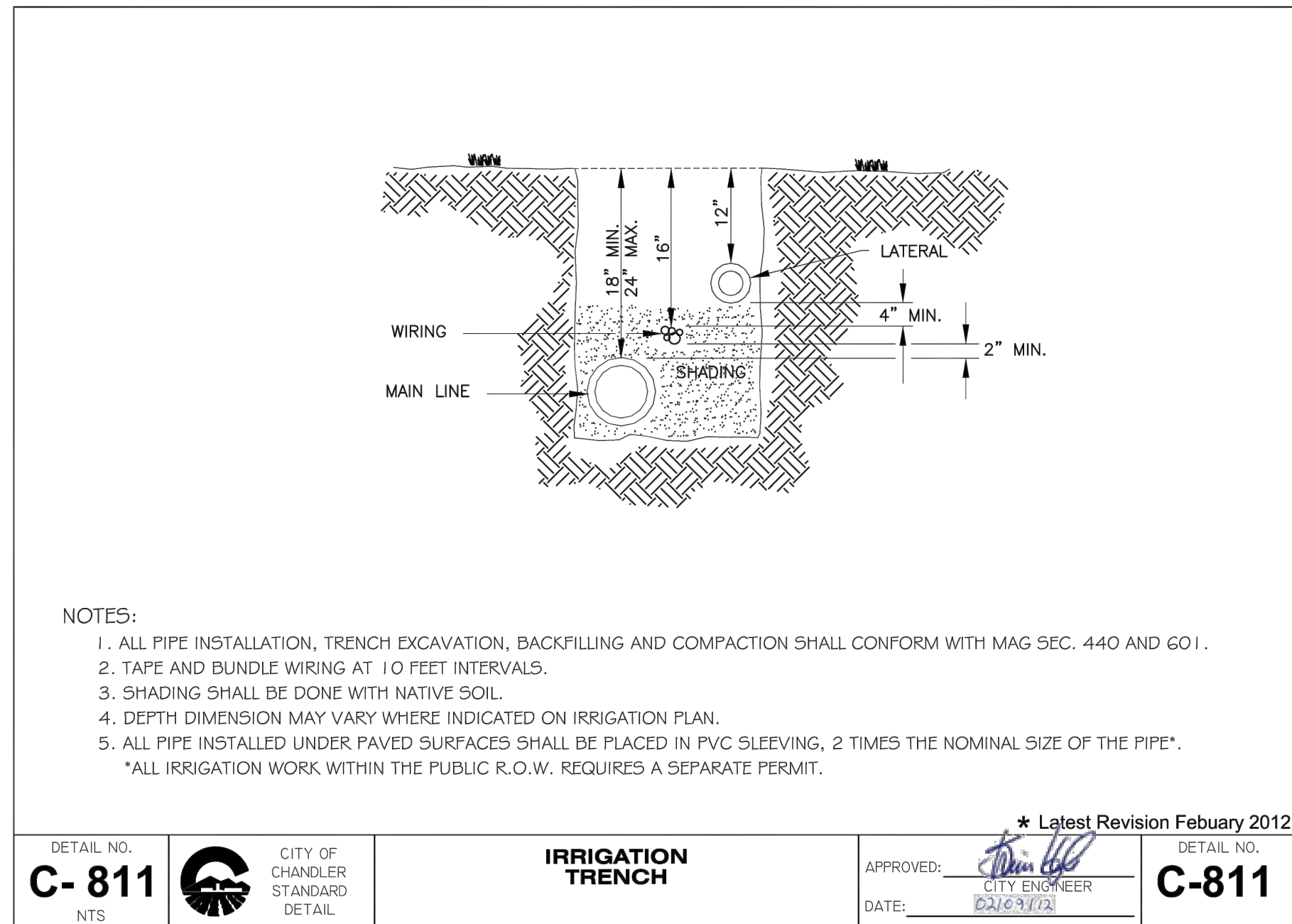
**12** EMITTER-BUBBLER SCHEDULE  
 CITY OF CHANDLER C-817



- NOTES:
- ASSEMBLY SHALL BE APPROVED BY UNIVERSITY OF SOUTHERN CALIFORNIA (USC) FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH. LIST OF APPROVED ASSEMBLIES ON FILE AT CIVIL ENGINEERING.
  - SHUTOFF VALVES SHALL BE RESILIENT BALL TYPE WITH REMOVABLE HANDLES.
  - ALL PIPE AND FITTINGS SHALL BE TYPE 'K' RIGID COPPER. COMPRESSION FITTINGS ARE NOT ALLOWED.
  - TEST COCKS SHALL BE FITTED WITH BRASS PLUGS INSTALLED WITH TEFLON TAPE.
  - NO TAPS SHALL BE ALLOWED BETWEEN THE METER AND THE BACKFLOW PREVENTION ASSEMBLY.
  - INSTALL BACKFLOW PREVENTION ASSEMBLY INLINE AND WITHIN 6" INCHES OF THE METER BOX, IMMEDIATELY DOWNSTREAM OF THE LINESITTER.
  - THE COPPER/BRASS UNION MAY NOT BE REQUIRED IF THE ASSEMBLY INCORPORATES THE UNION.
  - INSTALL BACKFLOW PREVENTION ASSEMBLY WITH RELIEF PORT FACING TOWARD THE GROUND.
  - BACKFLOW PREVENTION INSTALLATION MUST BE LEVEL, AND INSTALLED A MINIMUM OF 1/2 INCHES AND A MAXIMUM OF 1/4 INCHES FROM RELIEF PORT TO FINAL GRADE.
  - LOCKING ENCLOSURE SHALL BE GUARD SHACK OR EQUIVALENT, PAINTED 'DESERT TAN' WITH TNEPEC EDUROSHIELD PER MFG'S INSTRUCTIONS. MINIMUM 1/2 MILS DFT.
  - BACKFLOW PREVENTION ASSEMBLY SHALL HAVE AT LEAST THE SAME CROSS-SECTIONAL AREA AS THE WATER METER BUT NO MORE THAN ONE SIZE LARGER THAN THE METER.

DETAIL NO. **C-311** CITY OF CHANDLER STANDARD DETAIL  
**REDUCED PRESSURE-PRINCIPLE BACKFLOW PREVENTION ASSEMBLY INSTALLATION - 3" AND UNDER**  
 APPROVED: [Signature] CITY ENGINEER  
 DATE: 3/14/2013

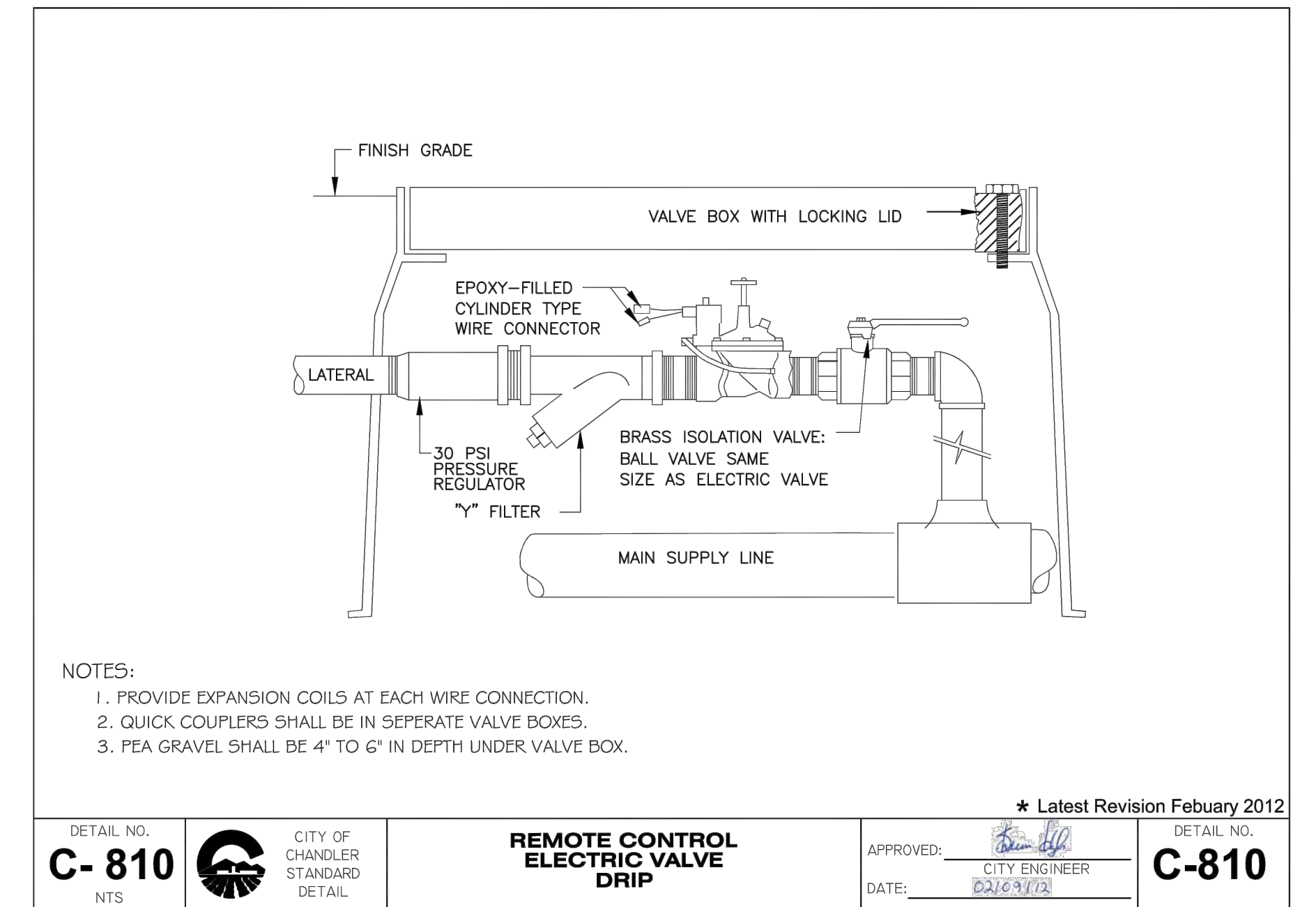
**13** BACKFLOW PREVENTER  
 SCALE: N.T.S.



- NOTES:
- ALL PIPE INSTALLATION, TRENCH EXCAVATION, BACKFILLING AND COMPACTION SHALL CONFORM WITH MAG SEC. 440 AND 601.
  - TAPE AND BUNDLE WIRING AT 10 FEET INTERVALS.
  - SHADING SHALL BE DONE WITH NATIVE SOIL.
  - DEPTH DIMENSION MAY VARY WHERE INDICATED ON IRRIGATION PLAN.
  - ALL PIPE INSTALLED UNDER PAVED SURFACES SHALL BE PLACED IN PVC SLEEVING, 2 TIMES THE NOMINAL SIZE OF THE PIPE.
- \*ALL IRRIGATION WORK WITHIN THE PUBLIC R.O.W. REQUIRES A SEPARATE PERMIT.

DETAIL NO. **C-811** CITY OF CHANDLER STANDARD DETAIL  
**IRRIGATION TRENCH**  
 APPROVED: [Signature] CITY ENGINEER  
 DATE: 02/16/22  
 \* Latest Revision February 2012

**14** IRRIGATION TRENCH  
 SCALE: N.T.S.



- NOTES:
- PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION.
  - QUICK COUPLERS SHALL BE IN SEPERATE VALVE BOXES.
  - PEA GRAVEL SHALL BE 4" TO 6" IN DEPTH UNDER VALVE BOX.

DETAIL NO. **C-810** CITY OF CHANDLER STANDARD DETAIL  
**REMOTE CONTROL ELECTRIC VALVE DRIP**  
 APPROVED: [Signature] CITY ENGINEER  
 DATE: 02/16/22  
 \* Latest Revision February 2012

**15** REMOTE CONTROL ELECTRIC VALVE DRIP  
 SCALE: N.T.S.

**Kimley»Horn**  
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 PHONE: 602-944-5500 FAX: 602-944-7423  
 WWW.KIMLEY-HORN.COM

APPROVED: [Signature] CITY ENGINEER  
 DATE: 02/16/22

SCALE (H): N/A  
 SCALE (V): N/A  
 DESIGNED BY: ASD  
 DRAWN BY: JLV  
 CHECKED BY: ASD  
 DATE: 03/20/24

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 IRRIGATION DETAILS

CITY PROJECT NO. ST1804.401  
 FEDERAL NO. CHN-0(244)D  
 ADOT NO. T0203.01C

SHEET DWG IRDT02  
 125 OF 135

Call at least two full working days before you begin excavation.  
**ARIZONA 811**  
 Dial 8-1-1 or 1-800-STAKE-IT (782-6349)  
 In Maricopa County: (602) 253-1100

Plotted By: VanGerpen, Hannah. Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS. Layout: 121 IRDT02. March 05, 2024. 05:48:03pm. K:\PHX\_Roadway\181466010-Chandler Heights Rd-Cibola to Val Vista\_Cadd\12-Sheets\191466010\_IR-DTLs.dwg

**EROSION AND SEDIMENT CONTROL PLAN NOTES:**

- The Owner/Operator or Contractor shall notify the City of Chandler Public Works Inspector assigned to the site 24 hours prior to commencing any land development or grading activities. Note: A Notice of Intent (NOI) shall be submitted to and approved by the Arizona Department of Environmental Quality (ADEQ) prior to commencing land development or grading activities.
- A copy of the approved grading and drainage plan for this project, along with a copy of an approved NOI, the Erosion and Sediment Control Plan (ESCP) and the Storm Water Pollution Prevention Plan (SWPPP) shall be maintained on the site and available for review by representatives of the City of Chandler and the Arizona Department of Environmental Quality. Those elements of the grading and drainage plan pertinent to, or referenced on the ESCP shall be considered a part of the ESCP.
- The Owner/Operator or Contractor shall post a sign or other notice near the main entrance of the construction site with the following information: AZPDES authorization number for the project or copy of the Notice of Intent, the name and telephone number of a local office or on-site contact person; a description of the type of construction project; and the location of the SWPPP.
- Details, standards, and specifications for applicable Best Management Practices (BMP's) to be implemented on-site shall be illustrated on the ESCP sheets. Additional details, standards, and specifications for BMP's implemented on-site following final submittal of the ESCP shall be added and maintained within the SWPPP.
- The Owner/Operator or Contractor shall perform, at a minimum, a visual inspection of the construction site once every fourteen days and also within 24 hours of a rainfall event greater than or equal to a half of an inch or more. The Owner/Operator or Contractor shall prepare an inspection report documenting his/her findings on the conditions of the SWPPP controls and note any location(s) of discharge of sediment or other pollutants from the site, BMP's that require maintenance, additional BMP's needed, corrective actions required and identification of all sources of non-storm water discharges and the associated pollution prevention control measures and identification of evidence of or potential for pollutant discharge from the site.
- The Owner/Operator or Contractor shall amend the SWPPP as necessary during the course of construction if there are changes at the site that has a significant effect on the discharge of pollutants or if inspections or investigations have determined that the SWPPP is no longer effective at minimizing pollutants in stormwater discharges from the site.
- The Owner/Operator or Contractor is required to maintain compliance with all requirements outlined in the Arizona Pollutant Discharge Elimination System (AZPDES) Construction General Permit administered by ADEQ.
- The Owner/Operator or Contractor shall submit a Notice of Termination (NOT) following completion of construction and permanent stabilization as outlined in the Arizona Pollutant Discharge Elimination System (AZPDES) Construction General Permit administered by ADEQ.
- The Owner/Operator or Contractor shall obtain a Dust Control Permit from the Maricopa County Air Quality Department for all dust generating activities that disturbs 0.10 acre or greater and implement all applicable control measures as outlined in the Maricopa County Air Pollution Control Rule 310.

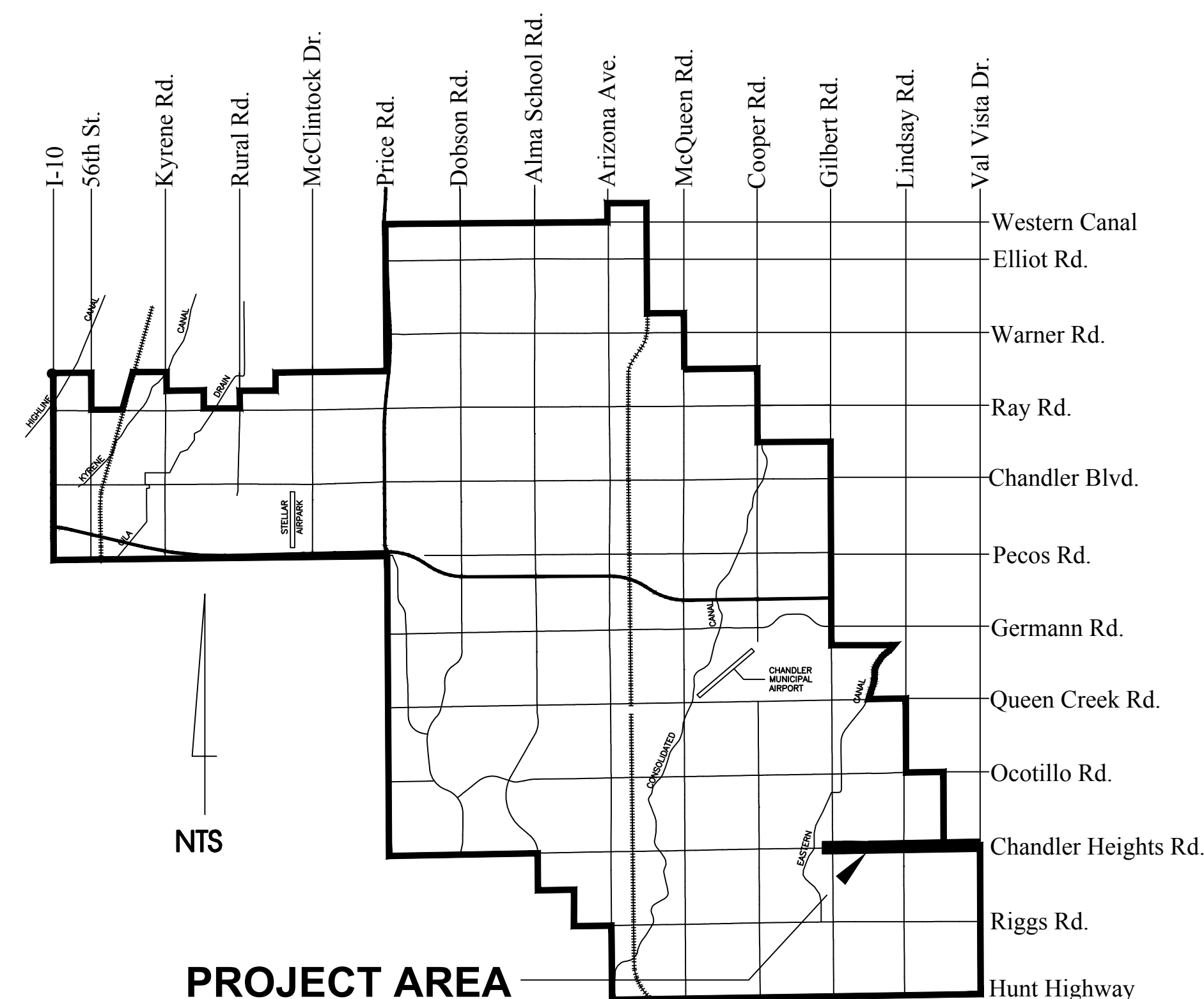
**STANDARD DETAILS, SPECIFICATIONS, BEST MANAGEMENT PRACTICES AND APPLICABLE LAW**

Work shall be done in accordance with this plan, the following specifications & details and applicable law.

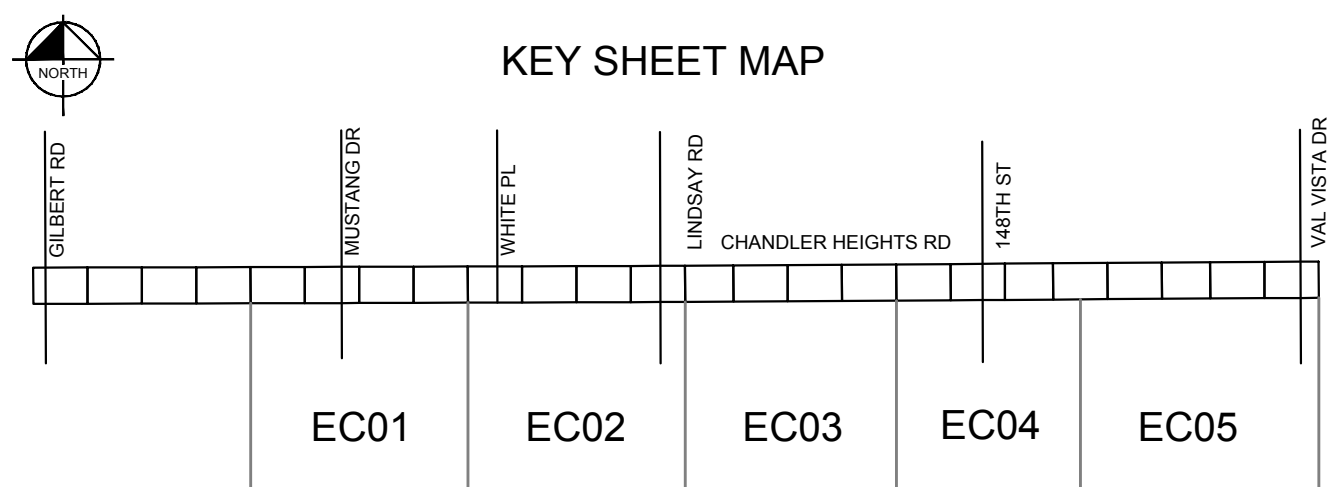
- The City of Chandler Code Chapter 45 and City of Chandler Manual on Stormwater Quality Protection.
- Current edition of the City of Chandler Standard Details and Specifications.
- City of Chandler Technical Design Manual #3 - Storm Drainage System Design.
- Drainage Design Manual for Maricopa County, Arizona - Volume III - Erosion Control, September 2004 Draft - Best Management Practices (BMP's), BMP numbers are specified in this document.
- Best Management Practices will be followed as outlined in this ESCP and the SWPPP.
- The following on-site management practices should be considered whenever possible to limit the exposure of the site to erosion, sedimentation, and discharges of pollutants and/or wastes.

- Sequence construction activities so that disturbed areas are not exposed for extended periods of time.
- Schedule landscaping and other work that permanently stabilizes disturbed areas immediately following land development activities and final contour.
- Implement temporary stabilization practices when disturbed areas will be exposed for periods greater than 14 days.
- Install and maintain BMP's to control erosion, sedimentation, and discharges of pollutants and/or wastes.

# EROSION AND SEDIMENT CONTROL PLAN FOR CHANDLER HEIGHT RD ROADWAY IMPROVEMENTS CHANDLER, ARIZONA



**VICINITY MAP**



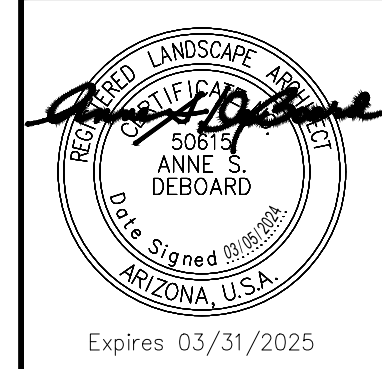
INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
126	EROSION CONTROL COVER
127	ESCP INDEX
128	EROSION CONTROL DETAILS
129	EROSION CONTROL DETAILS
130	EROSION CONTROL DETAILS
131	EROSION CONTROL PLAN
132	EROSION CONTROL PLAN
133	EROSION CONTROL PLAN
134	EROSION CONTROL PLAN
135	EROSION CONTROL PLAN

SYMBOL	LEGEND	UNITS	QTY
---	Indicates Contour Line		
====	Indicates Proposed Street Improvement		
---	Indicates Boundary		
	Indicates Drainage Feature		
W	Indicates Wattle (9")	LF	3,822
	Indicates Curb Inlet Guard	EA	95
Not Shown - Located with Curb Inlet Guard	Gravel Bags	EA	120
Not Shown - To be Located by Engineer	Construction Entrance (200 SY EA Entrance)	SY	1,000
→	Indicates Storm Water Flow Direction		

**OWNER/DEVELOPER**  
City of Chandler Public Works Dept.  
215 East Buffalo Street, Suite #201  
Chandler, AZ 85225  
(480) 782-3440

**LANDSCAPE ARCHITECT**  
Anne S. DeBoard, PLA  
Kimley-Horn and Associates, Inc.  
7740 N. 16th Street, Suite 300  
Phoenix, AZ 85020  
(602) 944-5500

**Kimley-Horn**  
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PHONE: 602-944-5500 FAX: 602-944-7423  
WWW.KIMLEY-HORN.COM



SCALE (H): 1"=20'  
SCALE (V): N/A  
DESIGNED BY: JLW  
DRAWN BY: JLW  
CHECKED BY: ASD  
DATE: 03/2024

CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
EROSION CONTROL COVER

CITY PROJECT NO.  
ST1804.401  
FEDERAL NO.  
CHN-0(244)D  
ADOT NO. T0203 01C

SHEET DWG  
ECCV  
126 OF 135



Plotted By: VonGerpen, Hannah. Sheet: Sct:CHANDLER HEIGHTS RD IMPROVEMENTS. Layout: ECSI.M. March 05, 2024. 06:48:38pm. K:\PHX\_Roadway\191466010-Chandler Heights Rd-Gilbert to Val Vista\Gadd\12-Sheets\191466010-EC01.dwg

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

NO.	REVISIONS	DATE	BY

# EROSION AND SEDIMENT CONTROL PLAN INDEX

PART 1 - To Be Completed By Design Engineer	PART 2 - To Be Completed By Owner/Operator Or Contractor
<p><b>I. PROJECT DESCRIPTION</b></p> <p><b>A. Owner/Operator Name and Address</b>  <u>City of Chandler, Public Works Dept.</u>  <u>215 E. Buffalo Street, Suite 201</u>  <u>Chandler AZ, 85225</u></p> <p><b>B. Project Location/Address:</b>  <u>Chandler Heights Road from Gilbert to Val Vista.</u></p> <p><b>C. Project Description:</b>  <u>Road improvements including roadway widening, medians, and drainage provisions.</u></p> <p><b>II. HYDROLOGIC INFORMATION</b></p> <p><b>A. Project Size:</b>            Length (Mi.) <u>2</u> Mi.            Area (Ac.) <u>24</u> Ac.</p> <p><b>B. Area to be disturbed (Ac.):</b> <u>18</u> Ac.</p> <p><b>C. Runoff Coefficient:</b>            Existing <u>0.4</u> (Undeveloped/Desert Landscape)  <u>0.95</u> (Pavement)            Developed <u>0.4</u> (Undeveloped/Desert Landscape)  <u>0.95</u> (Pavement)</p> <p><b>D. Receiving Water(s):</b> <u>Lower Gila River</u></p> <p><b>III. SOIL STABILIZATION MEASURES</b></p> <p><b>A. All disturbed areas, which will not be paved, will be revegetated and/or landscaped in accordance with the approved plans and specifications.</b></p> <p><b>IV. EROSION/SEDIMENT CONTROL MEASURES</b></p> <p><b>A. Temporary Control Measures Implemented -</b></p> <p>During Construction Activities:</p> <p><input type="checkbox"/> Silt Fence  <input type="checkbox"/> Organic Filter Barriers  <input type="checkbox"/> Sediment Control Berms  <input checked="" type="checkbox"/> Rock Inlet/Outlet Protection  <input checked="" type="checkbox"/> Sand Bag Barriers  <input type="checkbox"/> Sediment Traps  <input type="checkbox"/> Existing Vegetation  <input type="checkbox"/> Dust Control  <input checked="" type="checkbox"/> Stabilized Construction Ingress/Egress  <input checked="" type="checkbox"/> Storm Drain Inlet Protection  <input checked="" type="checkbox"/> Other (Describe): <u>Sediment Wattles</u></p> <p><b>B. Permanent Control Measures Implemented -</b></p> <p>Post Construction Activities:</p> <p><input checked="" type="checkbox"/> Sediment Basin  <input type="checkbox"/> Rock/Riprap Lined Channel  <input checked="" type="checkbox"/> Scuppers/Spillways/Catch Basins  <input type="checkbox"/> Drywells  <input checked="" type="checkbox"/> Rock Inlet/Outlet Protection  <input checked="" type="checkbox"/> Landscape/Ground Cover  <input type="checkbox"/> Other (Describe): _____</p> <p><b>V. SITE INSPECTIONS AND MAINTENANCE</b></p> <p><b>A. Inspection Frequency</b>  <input type="checkbox"/> At least once every 7 days  <input checked="" type="checkbox"/> Every 14 days and within 24 hours after a rainfall event of 0.5 inches or more.</p> <p><b>B. Inspection Report -</b> An inspection report will be completed by the contractor or authorized representative for each site inspection and shall be retained for at least 3 years following permit expiration or termination.</p> <p><b>C. Maintenance of SWPPP</b>            The site specific SWPPP must be amended within 15 days when a change in design, construction, operation, or maintenance that may have a significant effect on the discharge of pollutants to the Waters of the United States.</p> <p><b>VI. CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS</b></p> <p><b>A. This Erosion and Sediment Control Plan</b>            Has been prepared in accordance with the most current version of the Arizona Pollutant Discharge Elimination System General Permit for Construction Activities, administered by the Arizona Department of Environmental Quality (ADEQ).</p> <p>Signature: <u>Anne S. DeBoard</u>            Date: <u>03/05/2024</u>            Name: <u>Anne S. DeBoard</u>            Title: <u>Landscape Architect PLA</u></p>	<p><b>I. SCHEDULE OF MAJOR ACTIVITIES</b></p> <p><b>A. Project Schedule</b></p> <p>Start Date: _____            End Date: _____</p> <p><b>B. Sequence of Construction Activities</b></p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p><b>II. INVENTORY OF POLLUTANTS</b></p> <p><b>A. The following materials and/or substances are</b>            Expected to be onsite during construction:</p> <p><input type="checkbox"/> Paints  <input type="checkbox"/> Concrete  <input type="checkbox"/> Asphalt  <input type="checkbox"/> Oil  <input type="checkbox"/> Fuel  <input type="checkbox"/> Herbicides/Fertilizers  <input type="checkbox"/> Other (List): _____</p> <p><b>III. POLLUTION CONTROL MEASURES</b></p> <p><b>A. Best Management Practices:</b></p> <p><input type="checkbox"/> Wind Erosion/Dust Control  <input type="checkbox"/> Designated Washout Areas  <input type="checkbox"/> Solid Waste Management  <input type="checkbox"/> Chemical/Material Storage Area  <input type="checkbox"/> Stabilized Construction Ingress/Egress  <input type="checkbox"/> Equipment Maintenance Procedures  <input type="checkbox"/> Other (Describe): _____</p> <p><b>IV. SPILL PREVENTION, RESPONSE AND CLEANUP</b></p> <p><b>A. Spill Prevention:</b>            The best management practices outlined under pollution control measures are designed to prevent and contain spills of hazardous substances.</p> <p><b>B. Spill Response and Cleanup:</b>            In the event of any accidental spill or release of hazardous substances or chemicals, The owner/operator shall report such discharges as follows:</p> <p>Signature: _____            Date: _____            Name: _____            Title: _____</p> <p><b>V. EROSION AND SEDIMENT CONTROL PLAN CERTIFICATION</b></p> <p><b>A. I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</b></p> <p><b>B. The owner/operator and/or contractor as defined in the Arizona Pollutant Discharge Elimination System General Permit for Construction Activities, administered by the Arizona Department of Environmental Quality (ADEQ), should sign the Stormwater Pollution Prevention Plan (SWPPP) and maintain the SWPPP on-site at the construction site or other reasonably accessible location during normal business hours.</b></p>

Plotted By: VanGerpen, Hannah - Sheet: Sct: CHANDLER HEIGHTS RD ESCP INDEX - Revision: 03/05/2024 - File: C:\Users\hannah.vangerpen\OneDrive\Documents\Projects\CHANDLER HEIGHTS RD ESCP INDEX\CHANDLER HEIGHTS RD ESCP INDEX.ECDT.dwg

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**CITY OF CHANDLER**  
**CHANDLER HEIGHTS RD IMPROVEMENTS**  
**ESCP INDEX**

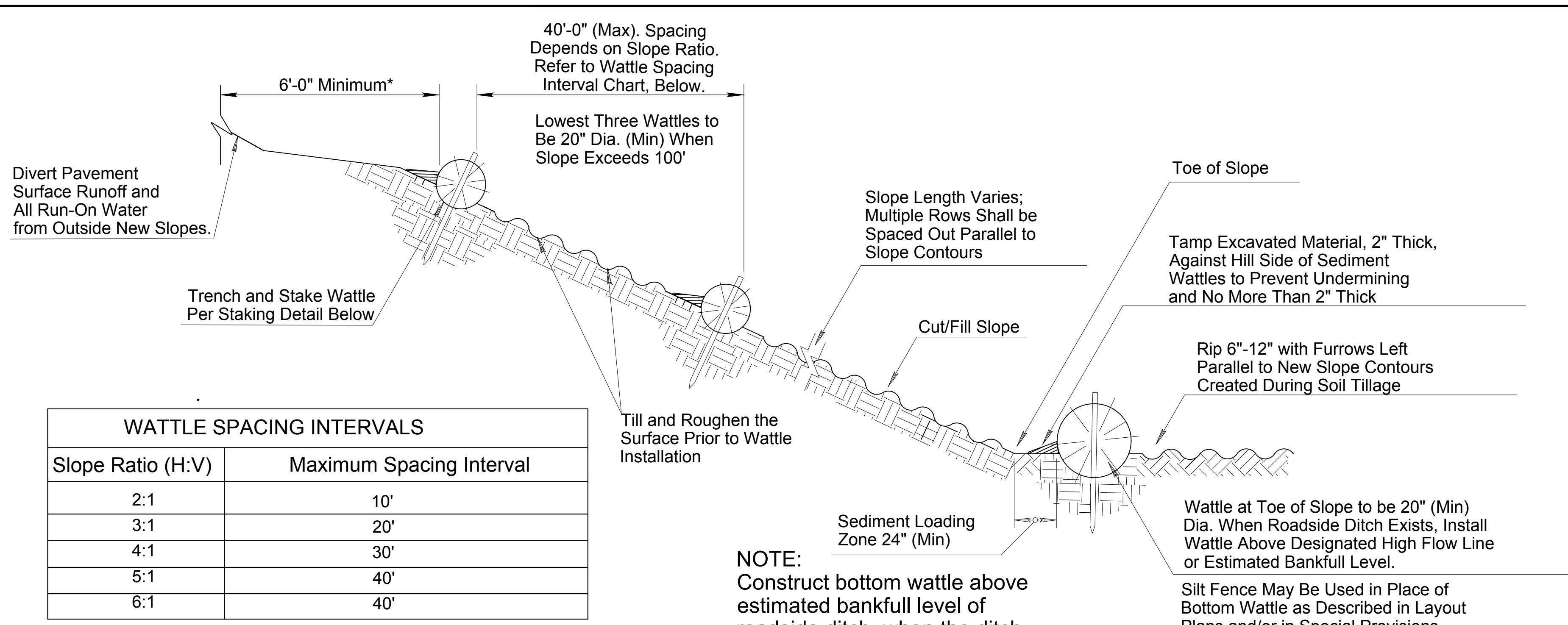
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ADOT NO. T0203 01C	
SHEET DWG ECDT01	
127 OF 135	



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

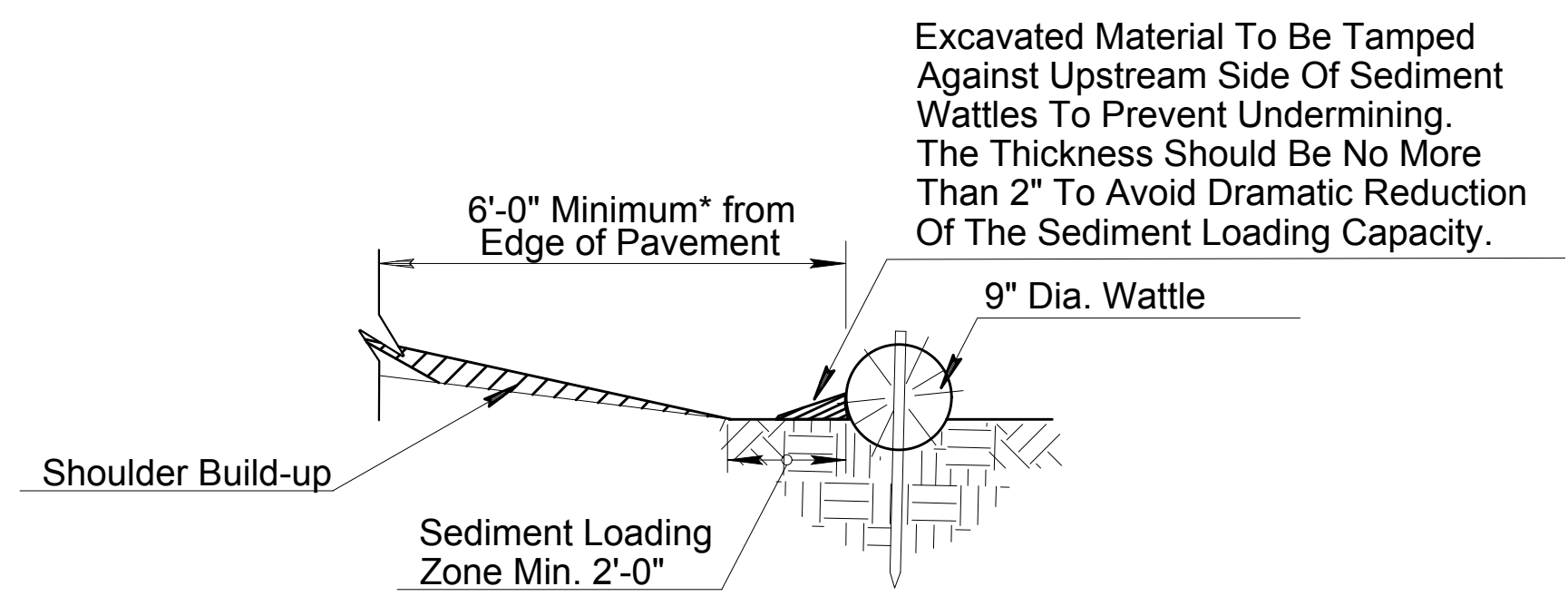


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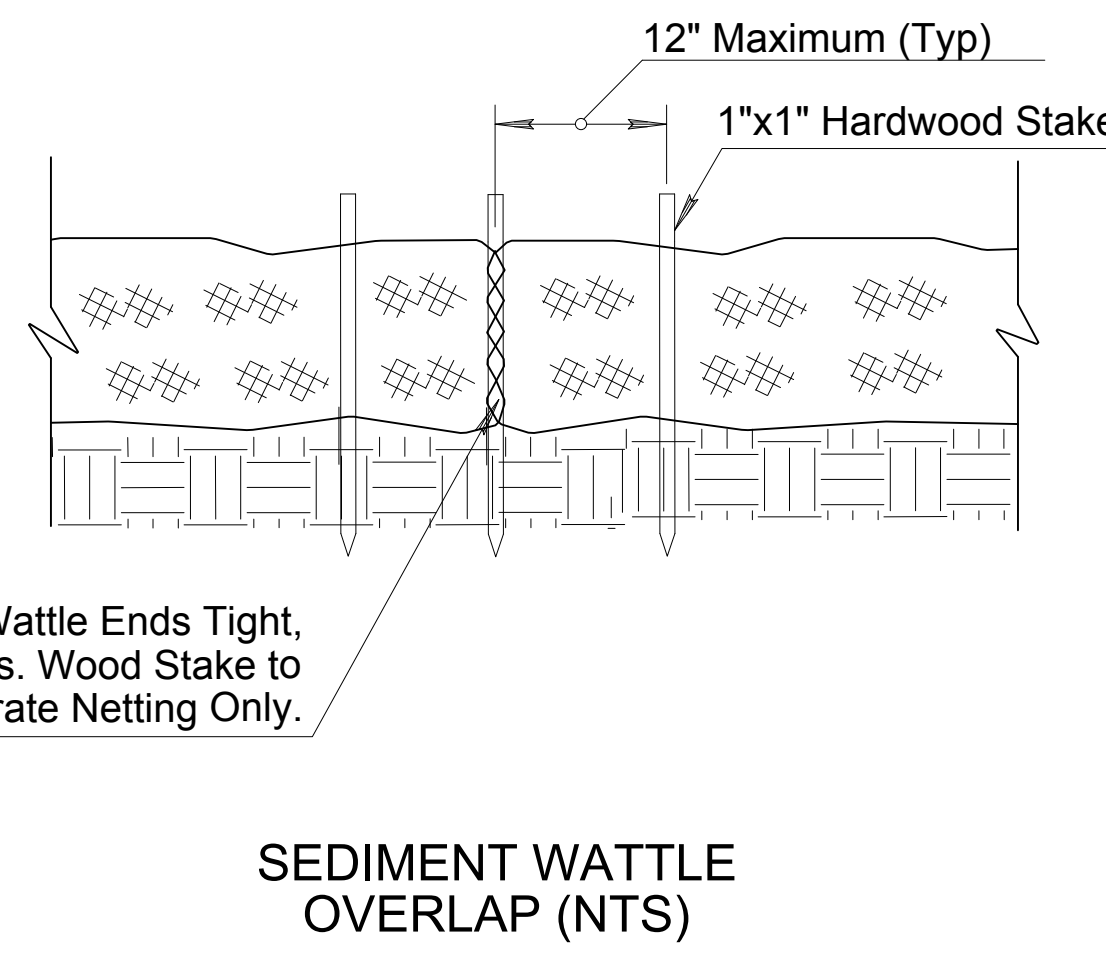
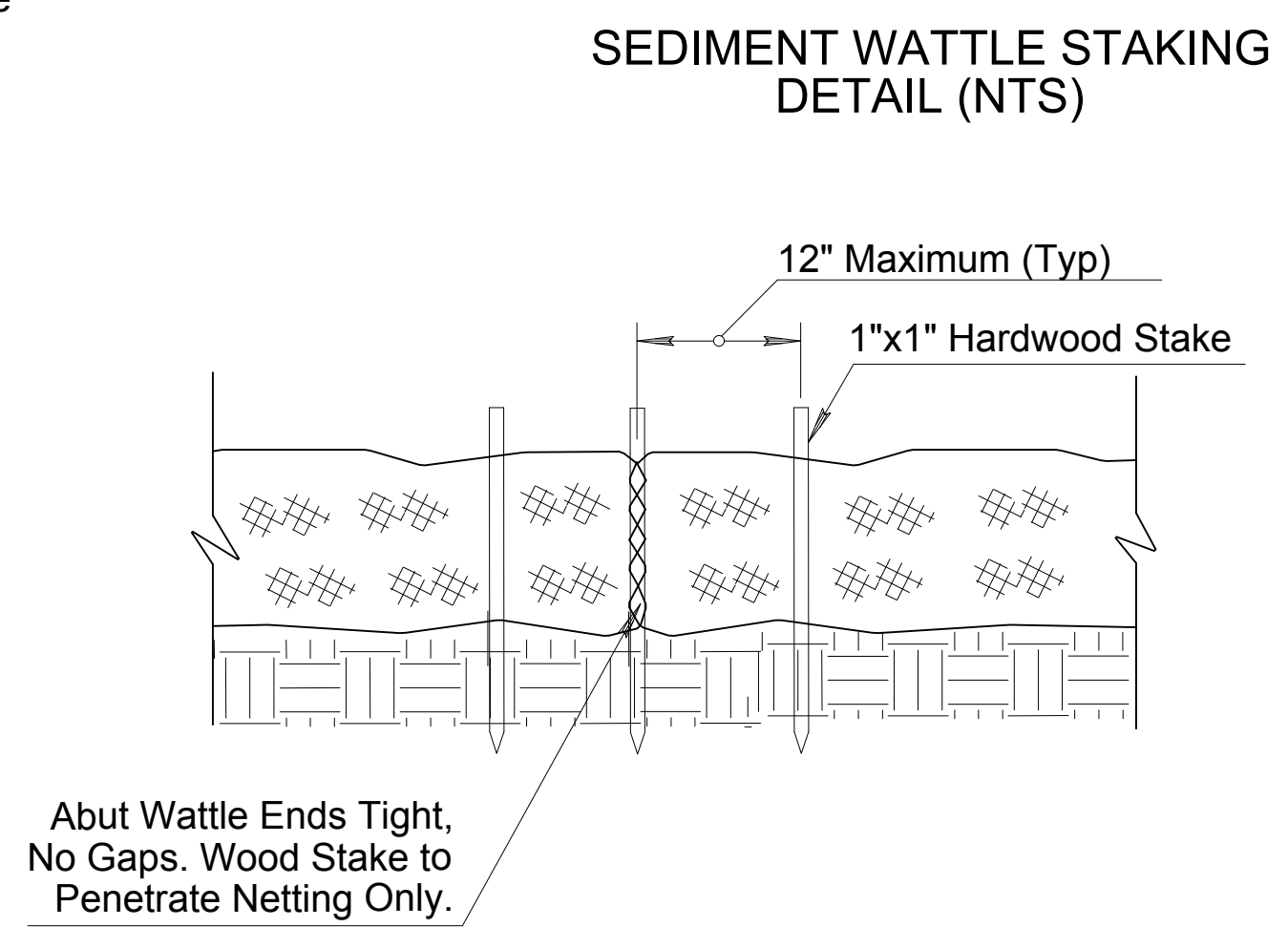
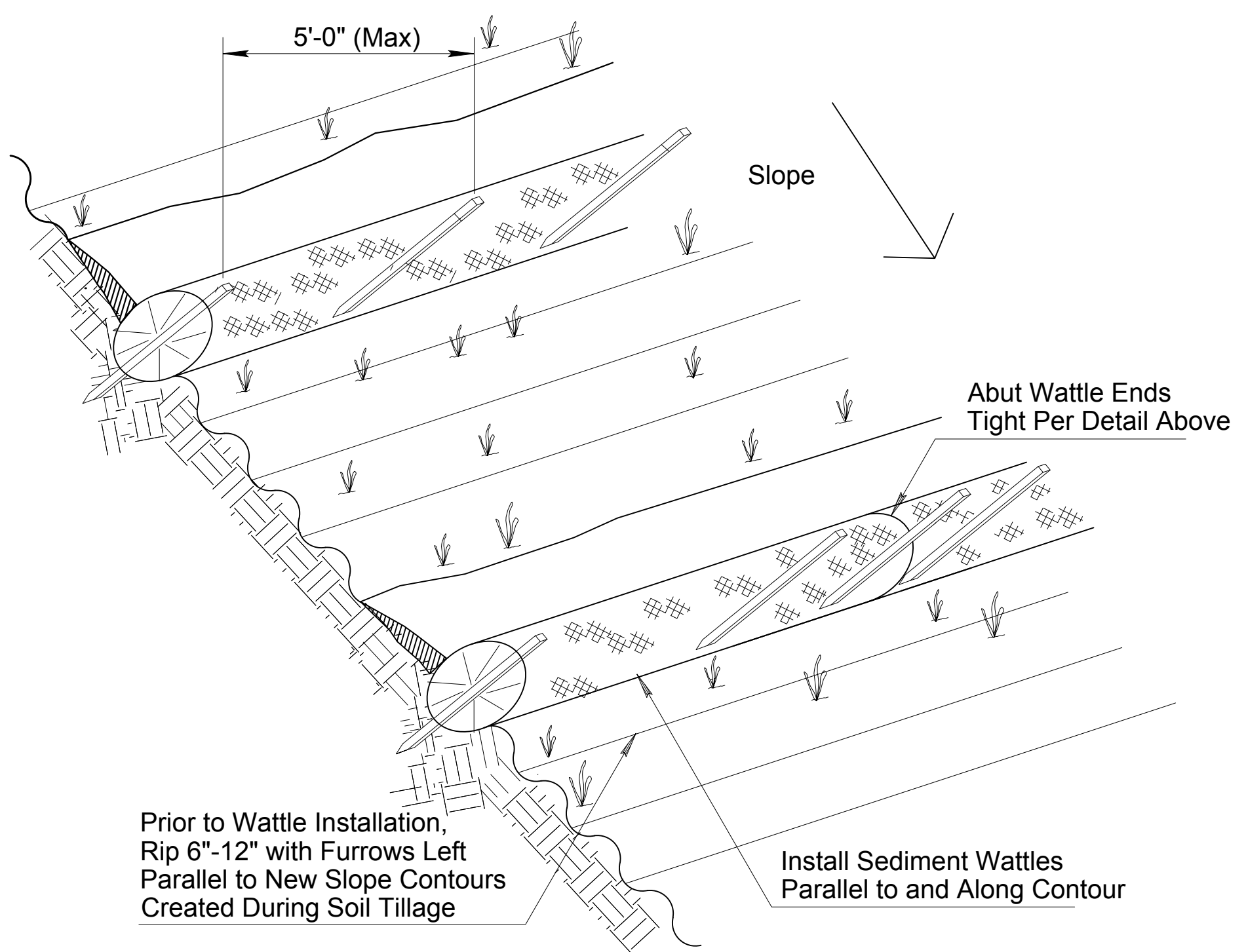
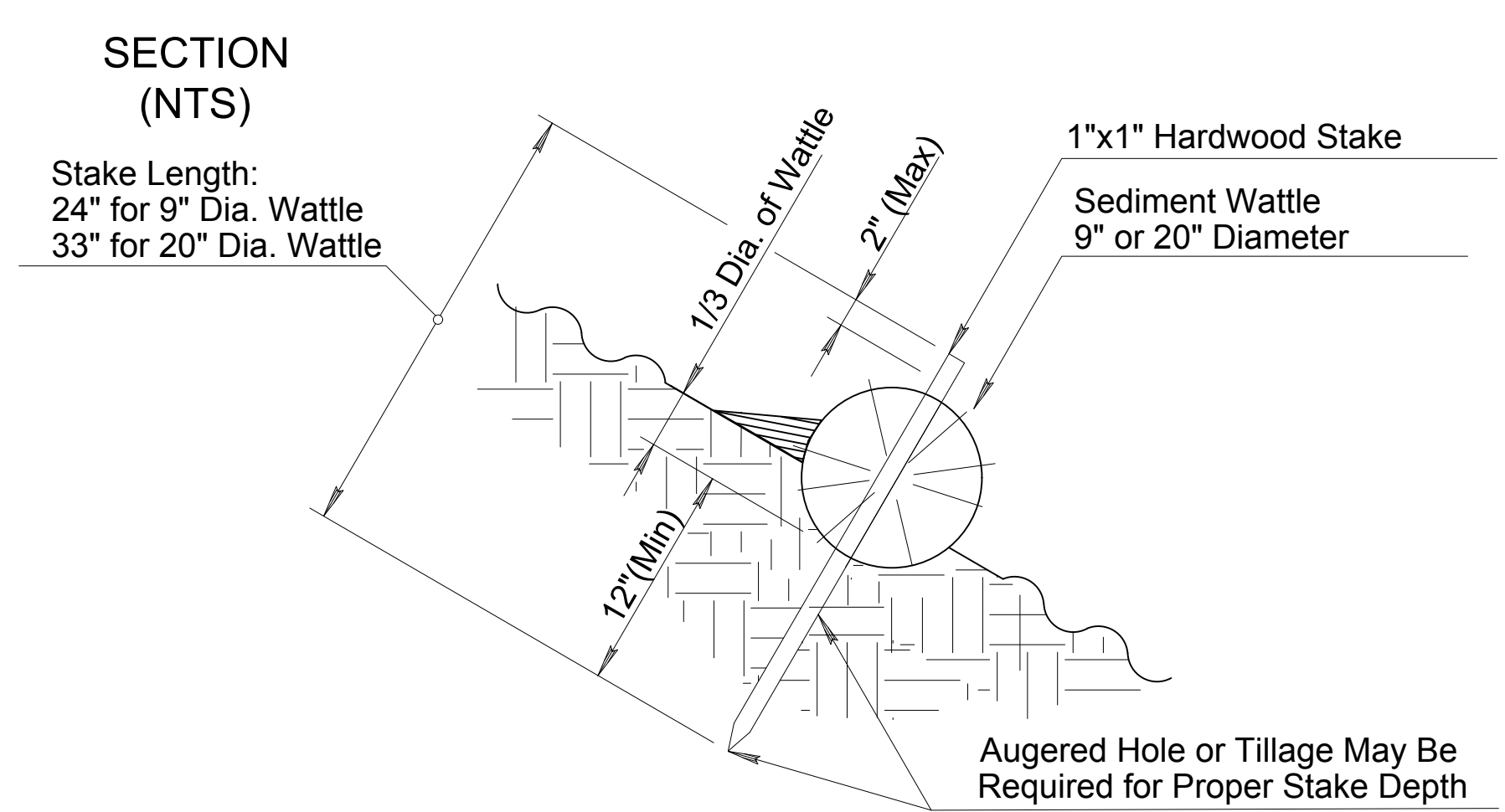


WATTLE SPACING INTERVALS	
Slope Ratio (H:V)	Maximum Spacing Interval
2:1	10'
3:1	20'
4:1	30'
5:1	40'
6:1	40'

- \* Notes:
- 1) Top Row Shall Not be Placed within 6'-0" of Edge of Pavement and 9'-0" from Outside Surface of Barrier.
  - 2) For erosive soils, place rows of wattles closer together.
  - 3) For soils with low erosive potential, place rows of wattles further apart.



- NOTES:
1. Install Sediment Wattles as slopes are constructed to grade or as directed by the Engineer. Select, install and maintain in conformance with manufacturers' specifications to meet site conditions for slope protection and in accordance with good engineering practices. No Sediment Wattles shall be installed in urban freeway medians, nor where cable barrier systems are employed.
  2. Sediment Wattles shall be in continuous contact with trench bottom and sides. Do not overlap wattle ends on top of each other. A 20" Dia. wattle may be made from 2-3 rolled excelsior or straw blankets.
  3. Butt adjoining wattles tightly against each other. Drive the first end stake of the second wattle at an angle toward the first wattle to help abut them tightly.
  4. Repair any rills or gullies promptly. Make field adjustments and corrections of Wattle BMP immediately if it is causing flooding, erosion, and/or affecting roadway safety.
  5. Construction of cut slopes 2:1 and steeper in soil and rock materials that can be ripped shall be constructed, whenever possible, by Minibenching. Refer to Slope Minibenching BMP Detail.
  6. Loosening surface soil is not required where Minibenches are used. For seeded areas, tillage shall be performed to form minor ridges and furrows parallel to new slope contours and as specified in Section 805 of the Standard Specifications and these special provisions.
  7. Divert and direct run-on water from outside of the slopes to the spillways and/or rock riprap/rock mulch. Diversion dikes and/or ditches are necessary on natural undisturbed slopes beyond the top limits of new slopes to divert run-on water.
  8. Installation and maintenance of Sediment Wattle BMPs shall not negatively impact traffic safety, nor the designed function of roadway or bridge drainage facilities.
  9. Install and maintain Sediment Wattle BMPs to carry the stormwater of at least 2-year, 24-hour events.
  10. The Sediment Wattle BMP's pay/bid item shall include all materials used for this BMP: all ground preparation, furnishing, installing, maintenance, final removal, and disposal of this temporary BMP, as well as returning the area to an acceptable condition as approved by the Engineer.
  11. Refer to Standard Specification Section 810-2.06(C) for Sediment Wattle material specifications.
  12. Make field adjustments and corrections to ensure NO sensitive biological resources (native species / habitats) will be adversely impacted.



# DETAIL E1

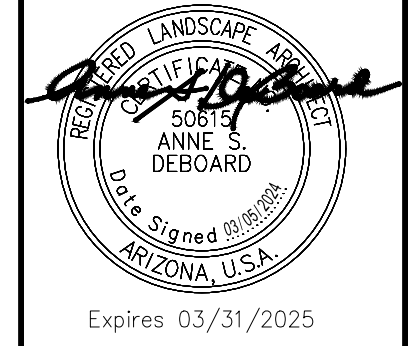
## SEDIMENT WATTLE



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SCALE (V):	N/A
DESIGNED BY:	JLW
DRAWN BY:	JLW
CHECKED BY:	ASD
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 EROSION CONTROL DETAILS

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203 01C
SHEET DWG	ECDT02
128 OF 135	

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

**Curb Inlet Guard – For drainage inlets with curb openings only**

**Installation Guide**

**Table 1**

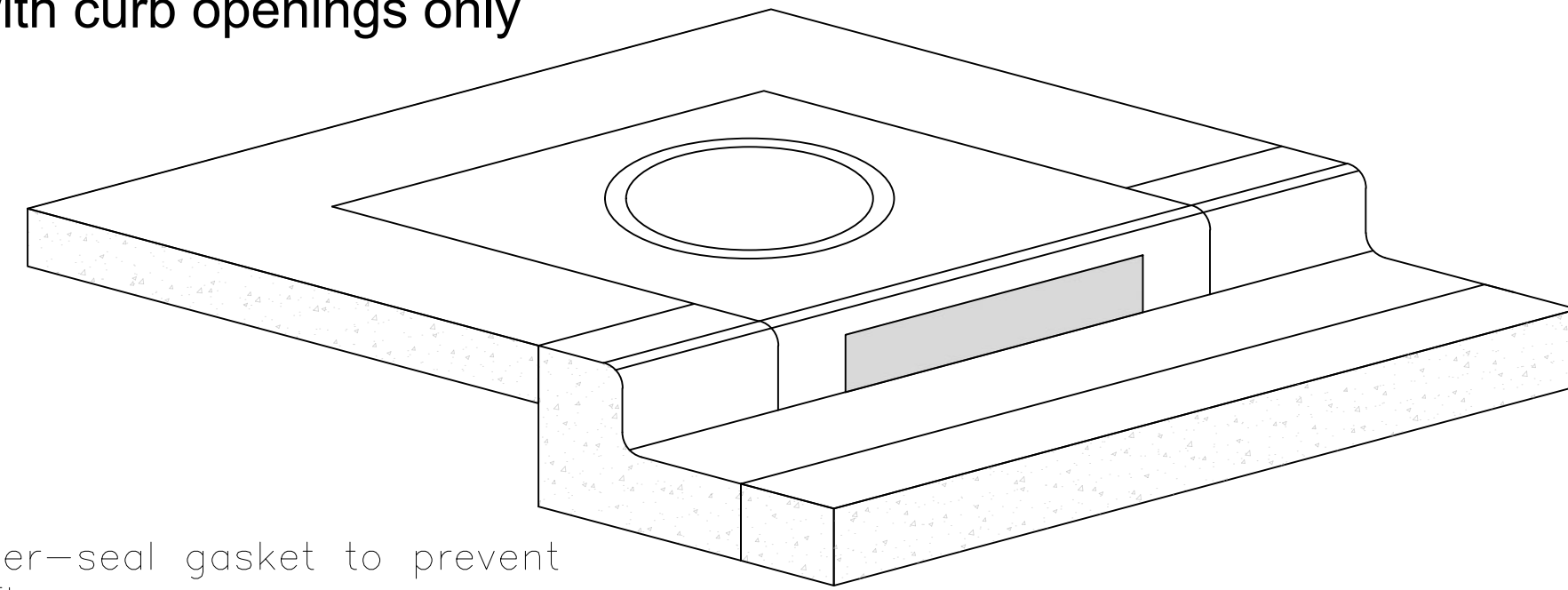
Inlet Size	Inlet Size
5'	1
10'	2
15'	3
20'	4

**Construction Details**

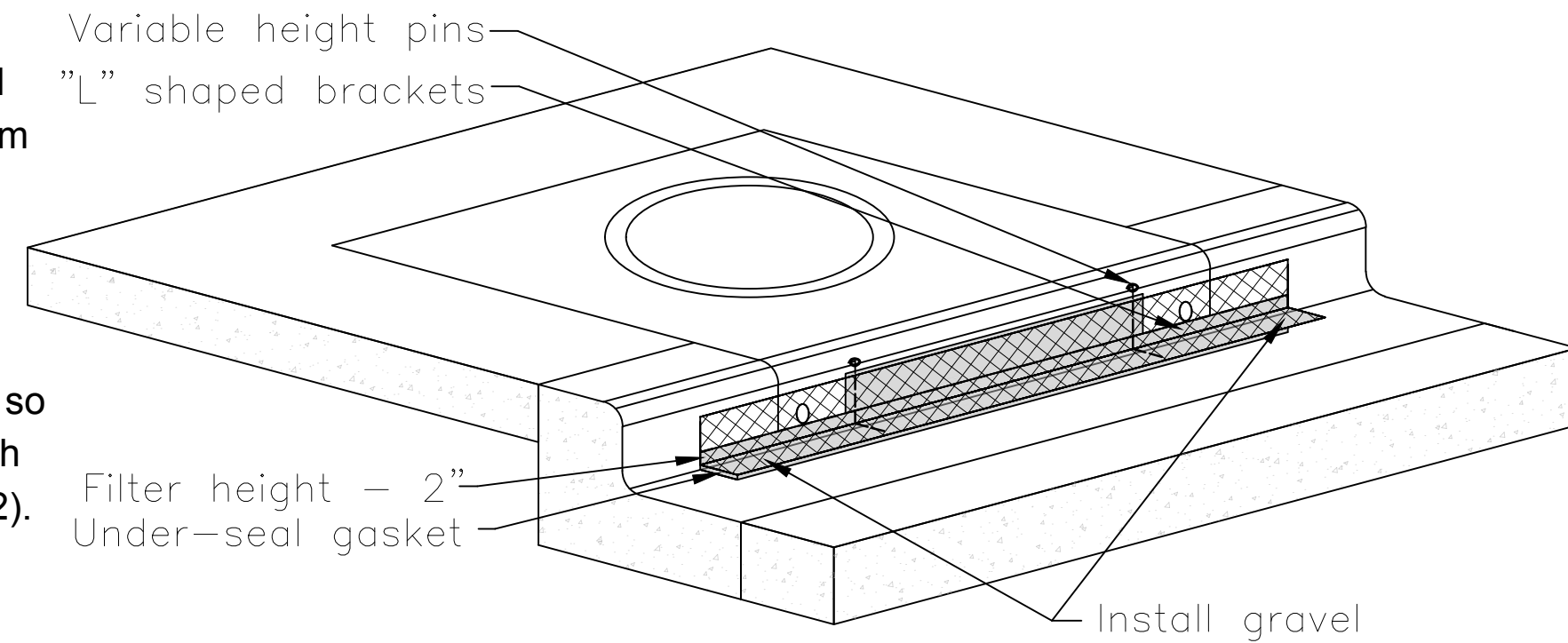
- \* Minimum 2 integrated "L" Brackets
- \* Minimum 2 variable-height pins for curb underflow
- \* Filter height = 2 inches
- \* UV resistant HDPE outer jacket
- \* Under-seal gasket to prevent underflow
- \* CIG height = 8 inches
- \* CIG length = 6.25 feet

**Installation Notes**

- 1. Placement:** Place CIG tightly against drain opening with metal variable height pins at top and horizontal flap pointing away from curb. Position CIG so that water cannot flow behind.
- 2. Change height for high openings:** for high curb openings, extend variable height pins upward as needed (Fig 1). Twist to lock.
- 3. Interconnecting for long curb openings:** Overlap segments so the bottom gasket provides a continuous seal. One end of each segment has a cut-out in the gasket layer for overlapping (Fig 2). Each 6.25' segment fits a 5 foot opening or smaller. Use 2 segments for 8 to 10 foot opening, 3 for a 15 foot opening, etc. (Table 1). Position gravel bag at overlap (Fig 3). If necessary tie segments together with rebar tie-wire or cable-ties (Fig 4).
- 4. Alternative anchor methods:** **A)** Install gravel bags at each end and at overlaps. Use ½ full bags (15 to 20 lbs) with round rock for low profile and best traffic avoidance. Use clean gravel at drain inlets, not sand. Select bags with long UV resistance and toughness for resistance to traffic. Or where it is not possible to install gravel bags due to traffic proximity, **B)** anchor with concrete anchors, or masonry nails, one at each end or **C)** secure with outdoor caulking around edges.

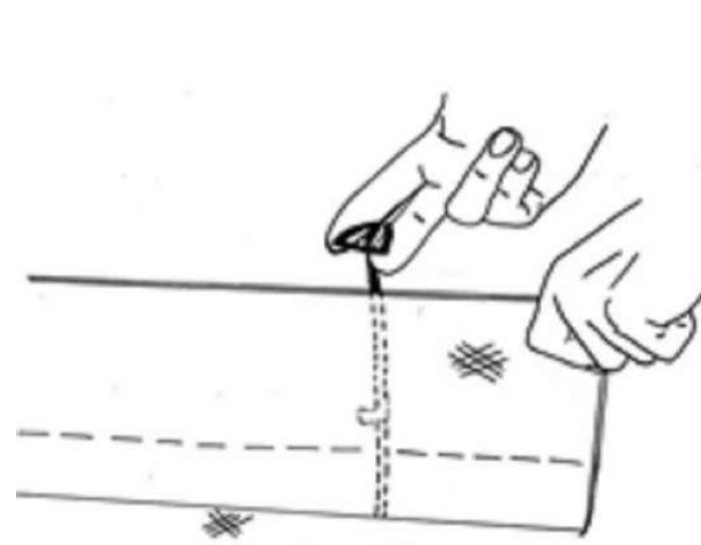


**Unprotected drainage inlet**

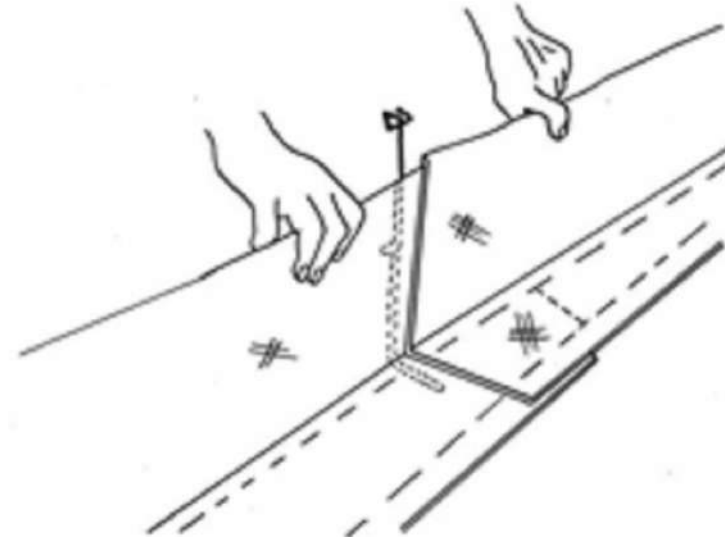


**ERTEC® Curb Inlet Guard™ Protected drainage inlet**

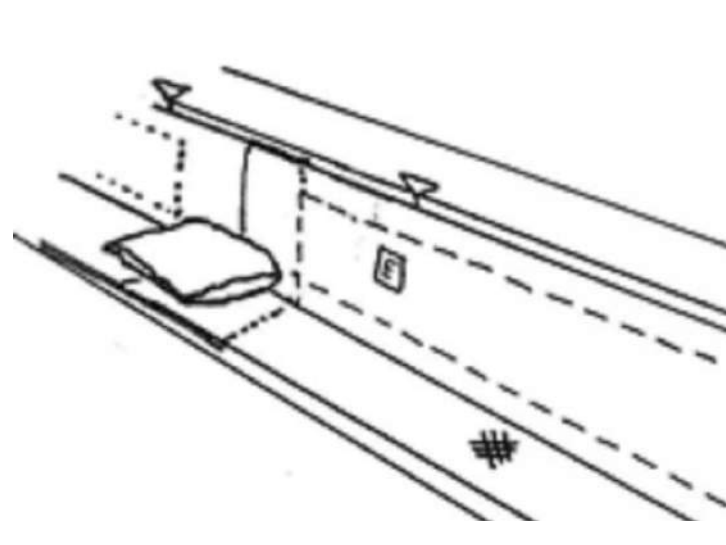
**Fig 1**



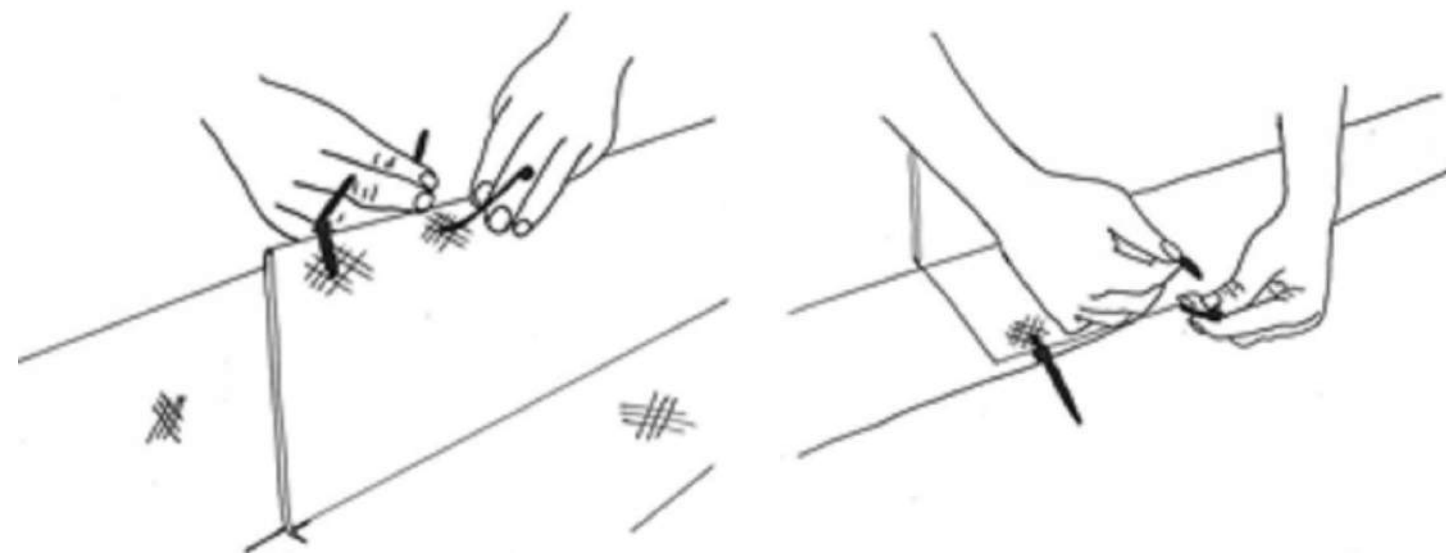
**Fig 2**



**Fig 3**



**Fig 4**



**DETAIL E2**  
CURB INLET GUARD

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DRAWN BY:	JLW
CHECKED BY:	ASD
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CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
EROSION CONTROL DETAILS

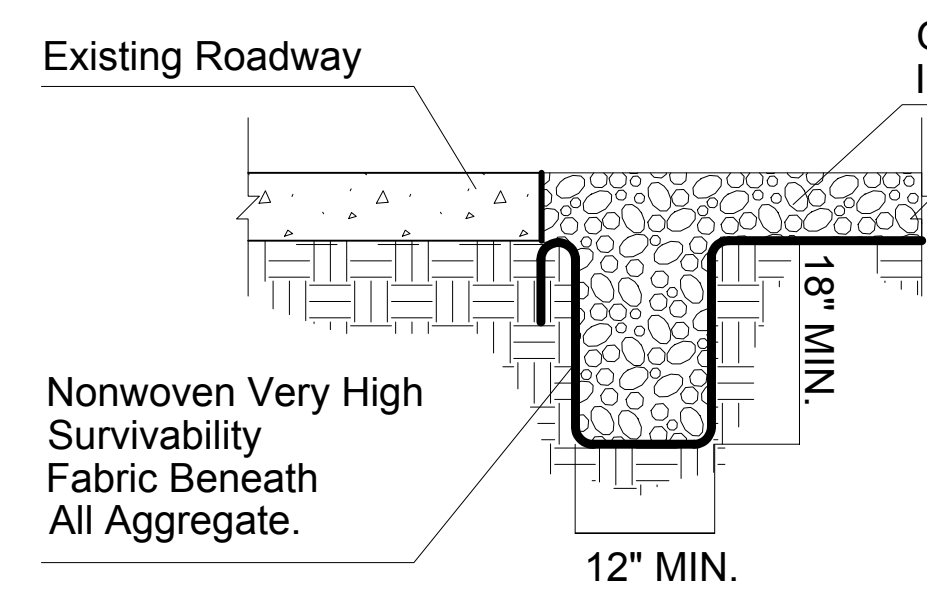
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FEDERAL NO. CHN-0(244)D  
ADOT NO. T0203 01C

SHEET DWG ECDT03  
129 OF 135



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

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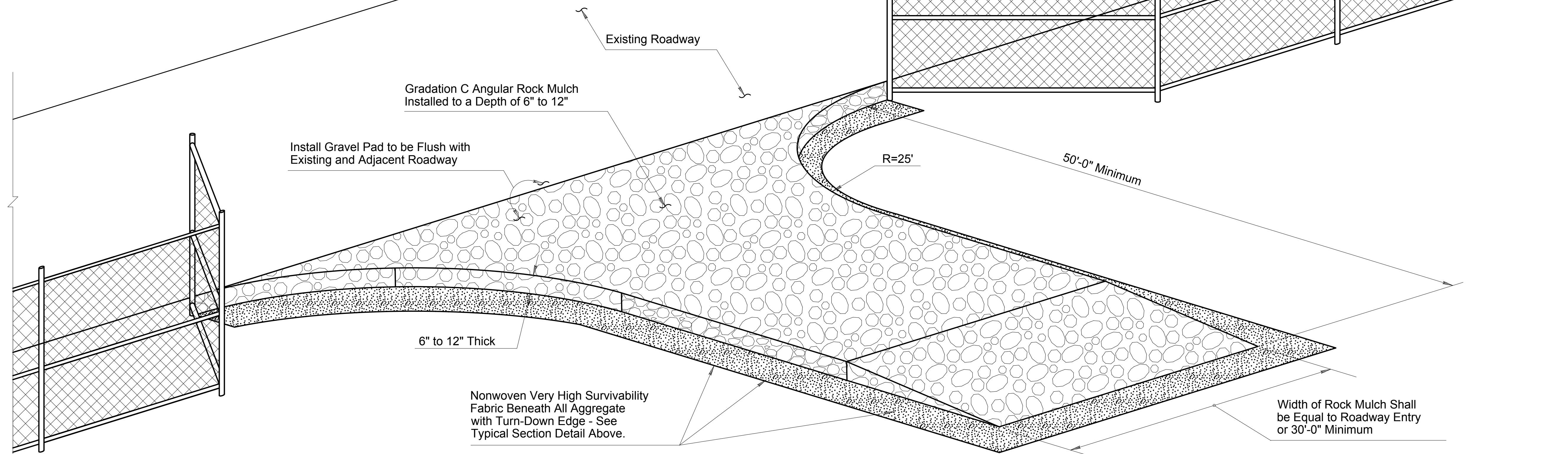


EDGE TREATMENT TRENCHING TYPICAL SECTION (NTS)

NOTES II:

1. Install nonwoven fabric when water is applied for construction vehicle/equipment cleaning on Gravel Pad.
2. Edge treatment trenching and nonwoven fabric shall not be required if NO wash water is used for vehicle/equipment cleaning.
3. The depth of Gravel Pad varies from 6" to 12" based on the necessities of construction vehicle/equipment as per the approval of the Engineer.

\* If Required, Install fence/barricade to direct traffic to Gravel Pad



BIRD'S EYE VIEW (NTS)

NOTES I:

1. Install Stabilized Construction Entrance/Exit Gravel Pad BMP for traffic entering or exiting a construction site where sedimentation, clay, silt or other pollutants can be tracked onto public roads and/or adjacent water bodies, as approved by the Engineer. It may also be applied for construction entrance/exit wind erosion/dust control, as approved by the Engineer.
2. Locate new Construction Entrance(s)/Exit(s) at appropriate project entrance/exit points as determined in field with the approval of the Engineer. Relocate Stabilized Construction Entrance/Exit Gravel Pad BMP as needed as project progresses. Replace Rock Mulch materials in drive paths when dirt or mud accumulates.
3. Nonwoven Very High Survivability Fabric shall conform to the standards of Sub-section 1014-4.04 of the Standard Specifications.
4. Rock Mulch materials shall be fractured/crushed rocks in angular shape and as defined in the Sub-section 810-2.03 of the Standard Specifications. Natural river-run materials, especially rounded natural river rocks are not acceptable.
5. Make field adjustments and corrections of Construction Entrance/Exit Gravel Pad BMP immediately if it is causing flooding and/or affecting roadway safety.
6. When paid separately, the Stabilized Construction Entrance/Exit Gravel Pad BMP's pay/bid item shall include all materials used for this BMP: all ground preparation, furnishing, installing, final removal, and disposal of this temporary BMP, as well as returning the area to an acceptable condition as approved by the Engineer.
7. \* Fence/barricade pay/bid item shall not be included as a component of the Stabilized Construction Entrance/Exit Gravel Pad BMP pay/bid item.
8. Make field adjustments and corrections to ensure NO sensitive biological resources (native species / habitats) will be adversely impacted.

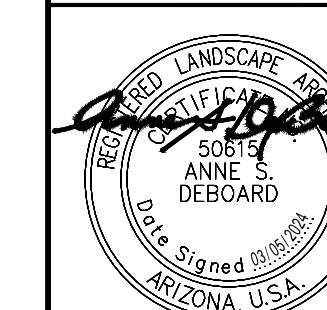
# DETAIL E3

STABILIZED CONSTRUCTION ENTRANCE/EXIT GRAVEL PAD

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CITY OF CHANDLER  
CHANDLER HEIGHTS RD IMPROVEMENTS  
EROSION CONTROL DETAILS

CITY PROJECT NO.  
ST1804.401  
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CHN-0244JD  
ADOT NO. T0203 01C

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ECDT04

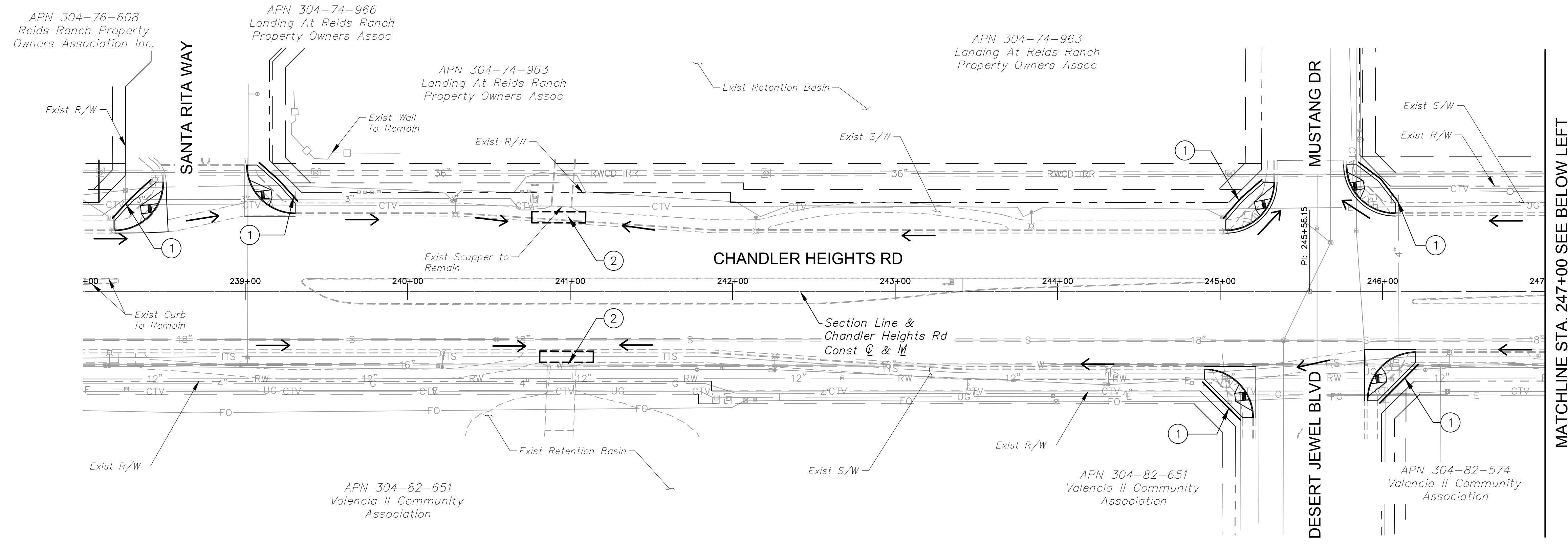
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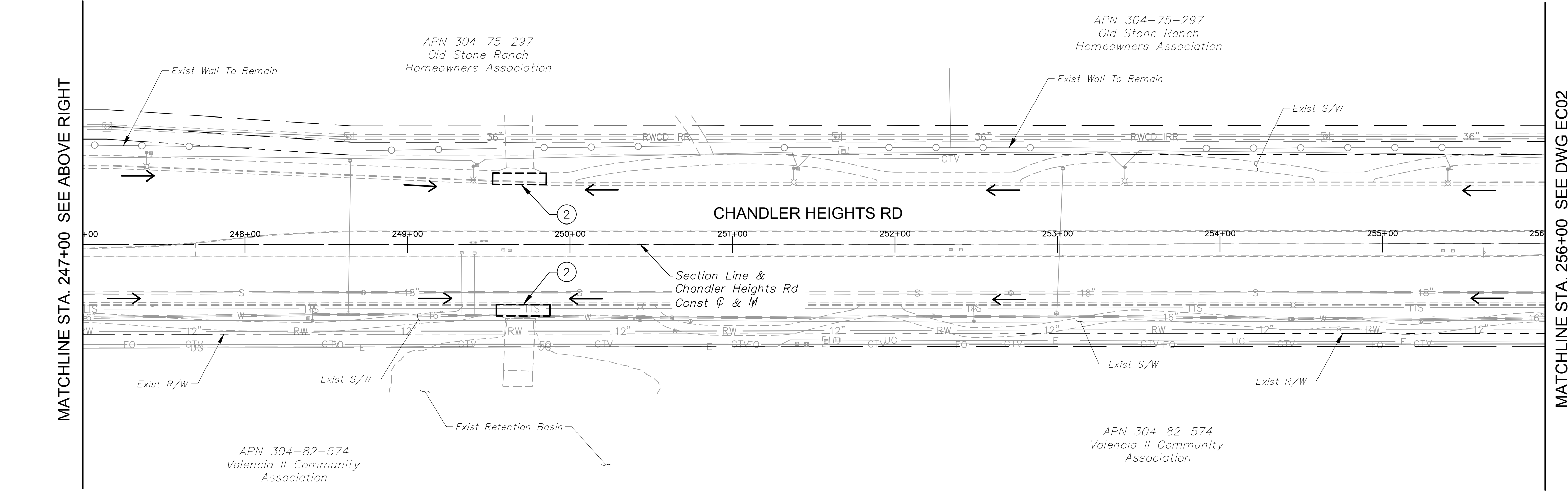
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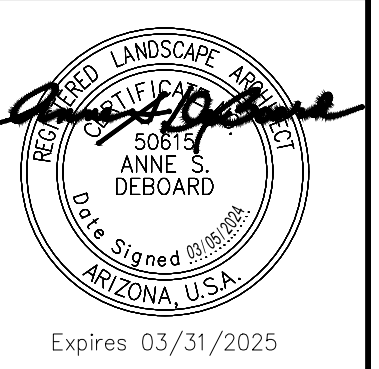
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CONSTRUCTION NOTES	
DESCRIPTION	
①	Wattle (9"), Detail E1
②	Curb Inlet Guard, Detail E2
	Construction Entrance (Not Shown), Detail E4
LEGEND	
	Indicates Proposed Street Improvement
	Indicates R/W
	Indicates Drainage Feature
	Wattle 9"
	Indicates Curb Inlet Guard
	Construction Entrance (Rock Mulch)
	Indicates Storm Water Flow Direction

NO.	REVISIONS	DATE	BY

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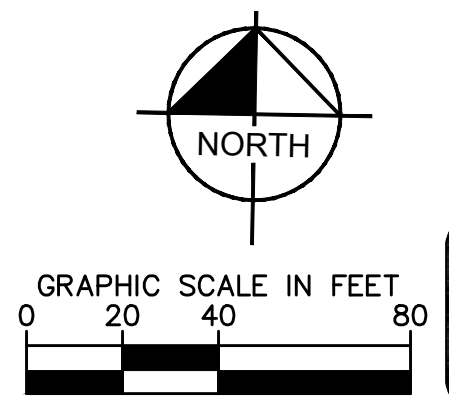
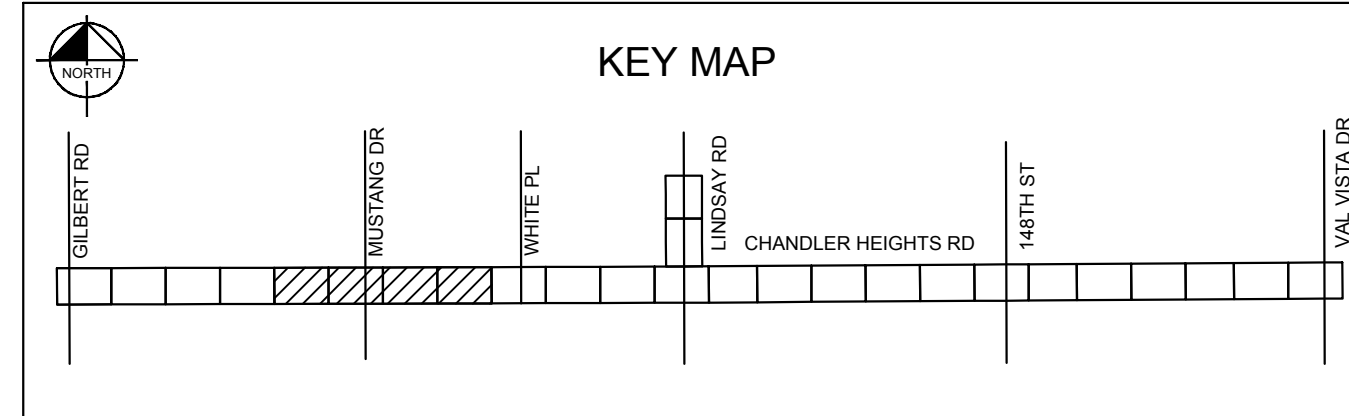
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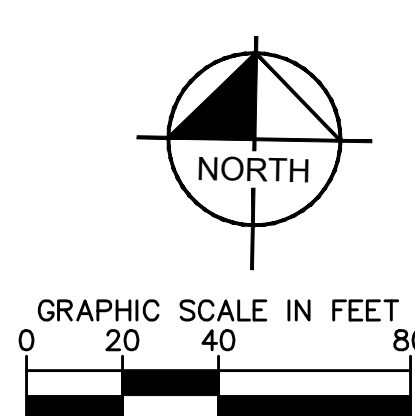
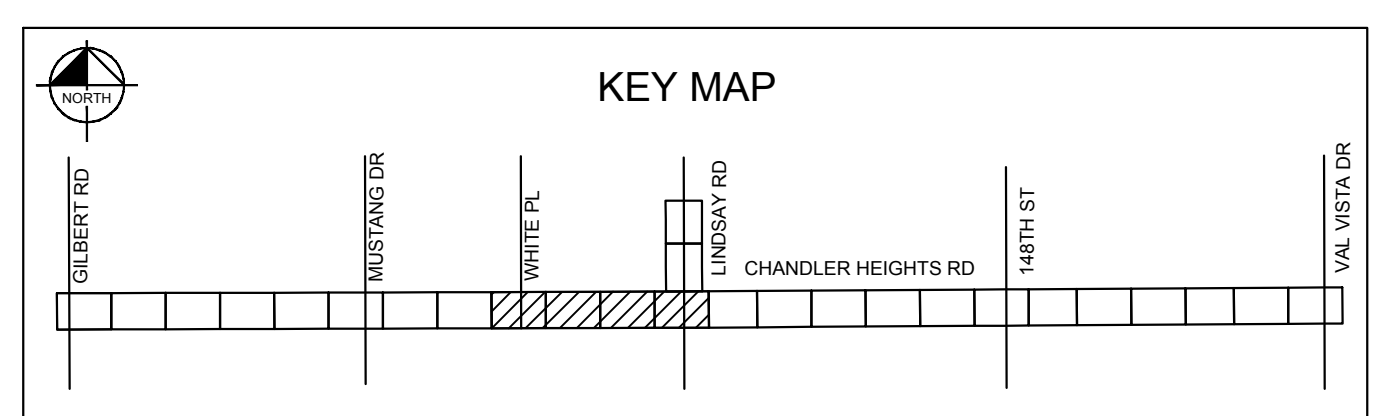
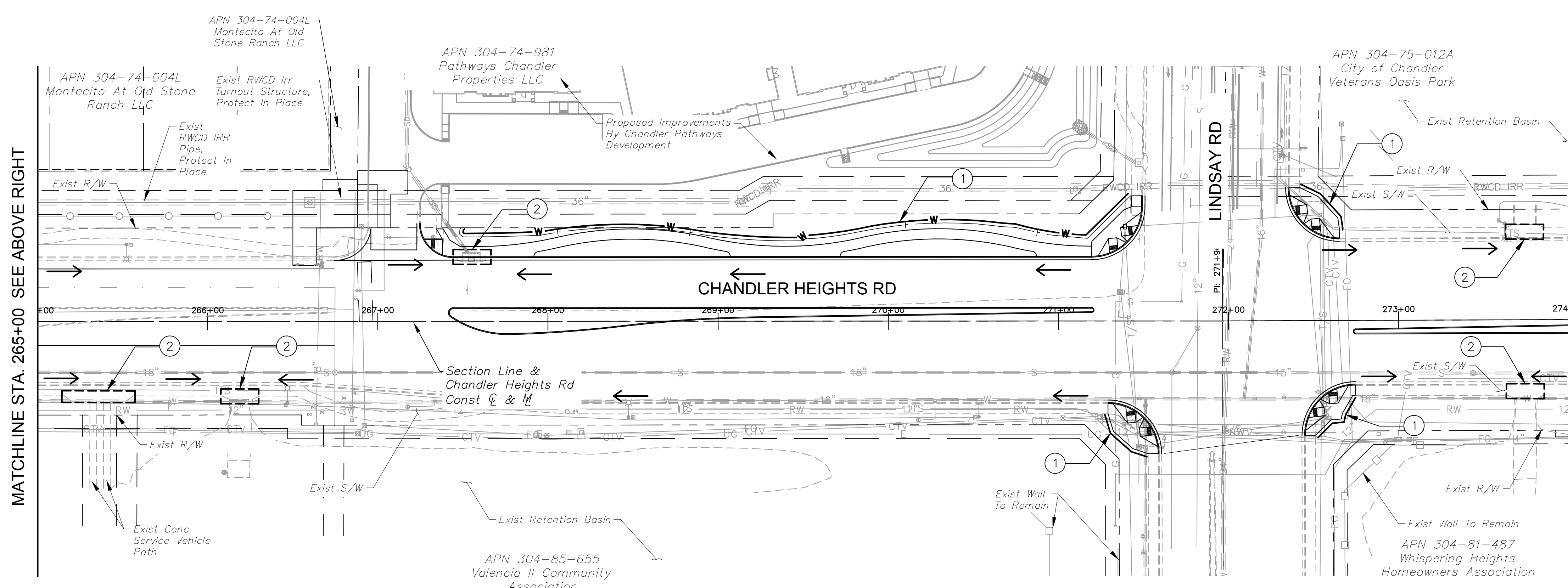
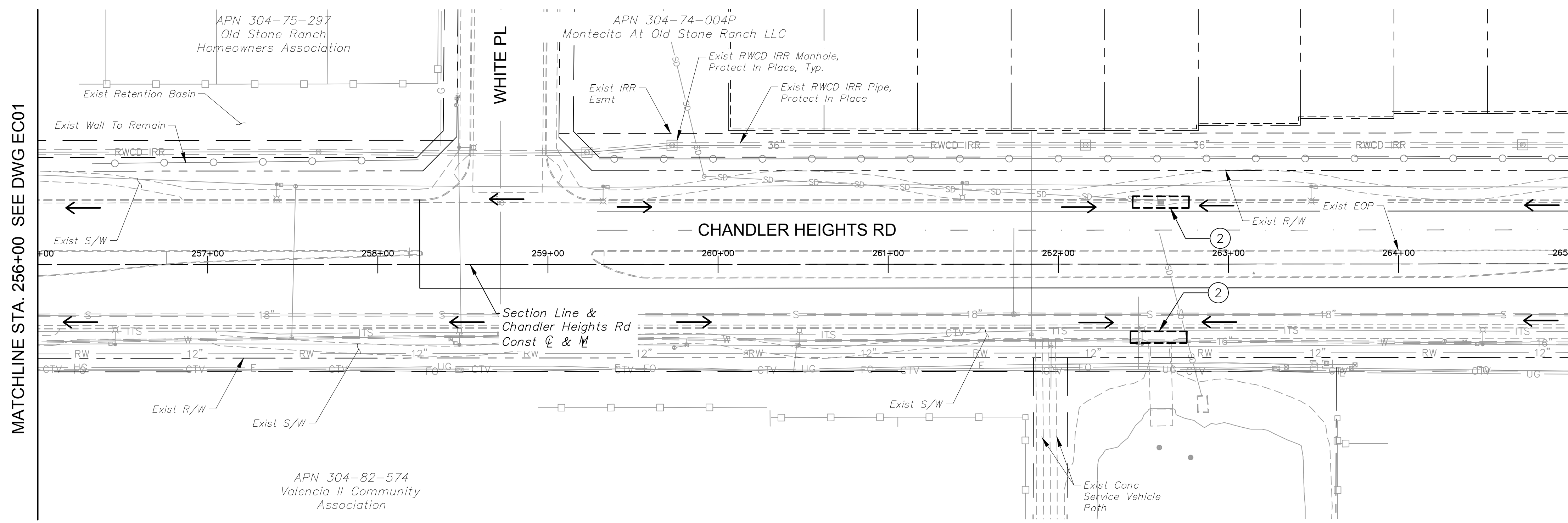
CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 EROSION CONTROL PLAN  
 STA 247+00 TO STA 256+00

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	EC01
131 OF 135	



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

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CONSTRUCTION NOTES	
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②	Curb Inlet Guard, Detail E2
	Construction Entrance (Not Shown), Detail E4
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	Indicates R/W
	Indicates Drainage Feature
	Wattle 9"
	Indicates Curb Inlet Guard
	Construction Entrance (Rock Mulch)
	Indicates Storm Water Flow Direction

MATCHLINE STA. 256+00 SEE DWG EC01

MATCHLINE STA. 265+00 SEE BELOW LEFT

MATCHLINE STA. 265+00 SEE ABOVE RIGHT

MATCHLINE STA. 274+00 SEE DWG EC03

NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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 7740 N. 16th STREET, SUITE 300, PHOENIX, AZ 85020  
 PHONE: 602-944-5500 FAX: 602-944-7423  
 WWW.KIMLEY-HORN.COM



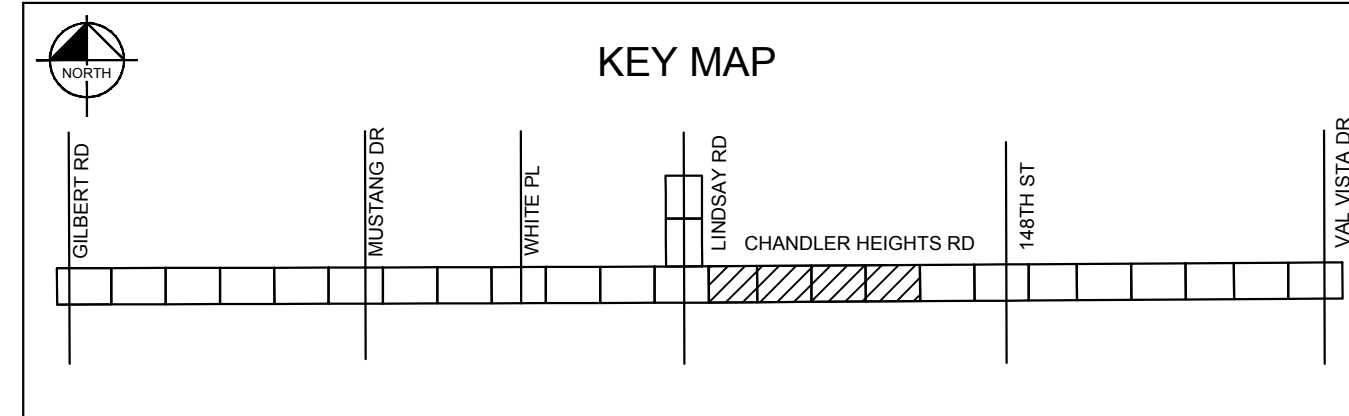
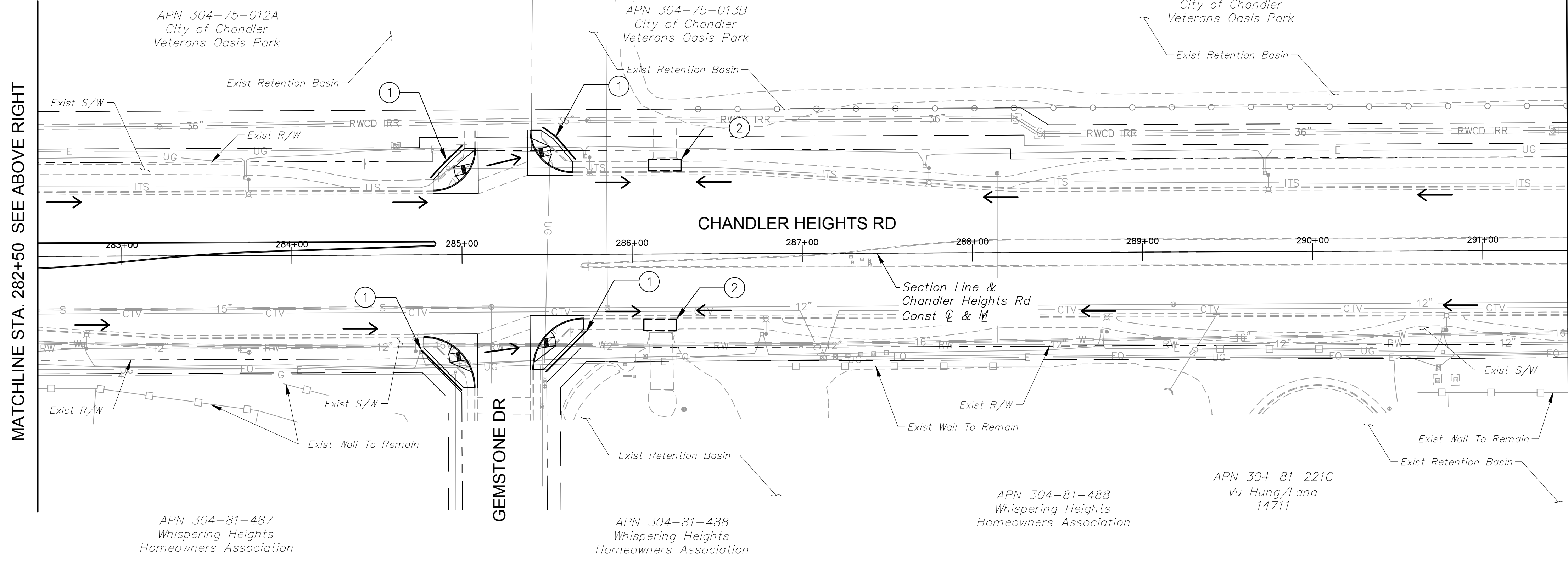
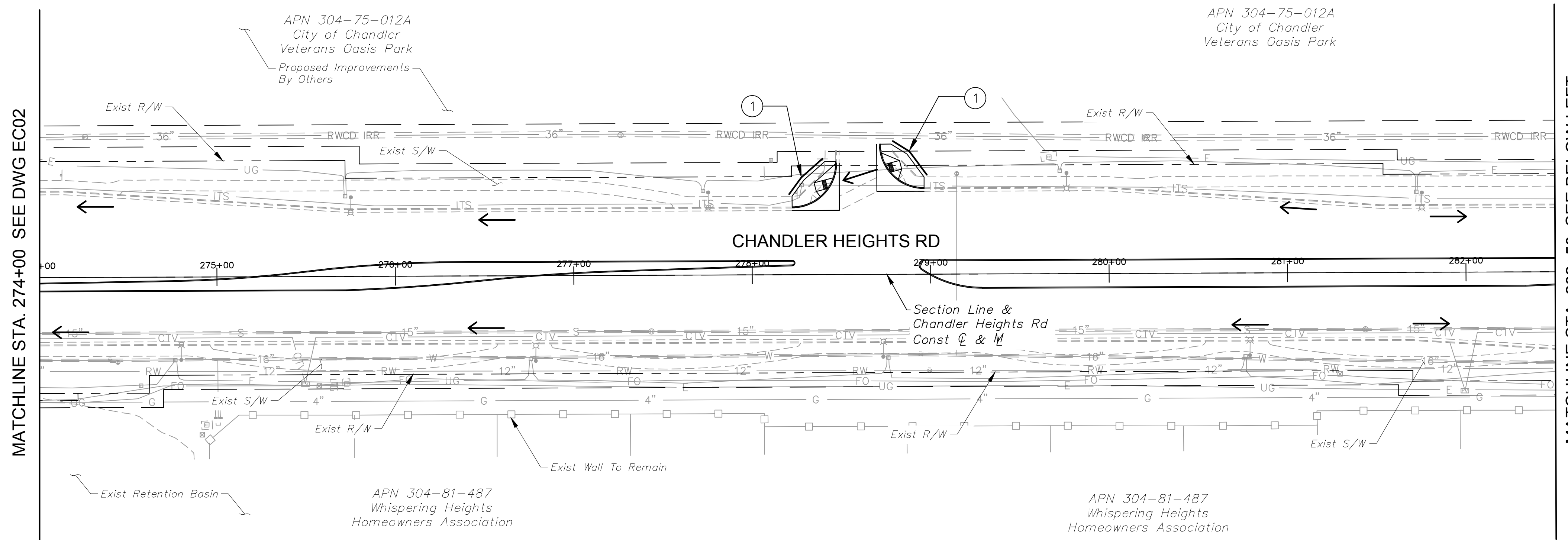
SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	JLW
DRAWN BY:	JLW
CHECKED BY:	ASD
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 EROSION CONTROL PLAN  
 STA 256+00 TO STA 274+00

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	EC02
132 OF 135	

C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

Plotted By: VanGerpen, Hannah, Sheet Set: CHANDLER HEIGHTS RD IMPROVEMENTS, Layout: EC04, March 05, 2024, 06:49:34pm, K:\PHK\_Roadway\191466010-Sheets\191466010\_EC04.dwg



CONSTRUCTION NOTES	
DESCRIPTION	
①	Wattle (9"), Detail E1
②	Curb Inlet Guard, Detail E2
	Construction Entrance (Not Shown), Detail E4
LEGEND	
	Indicates Proposed Street Improvement
	Indicates R/W
	Indicates Drainage Feature
	Wattle 9"
	Indicates Curb Inlet Guard
	Construction Entrance (Rock Mulch)
	Indicates Storm Water Flow Direction

NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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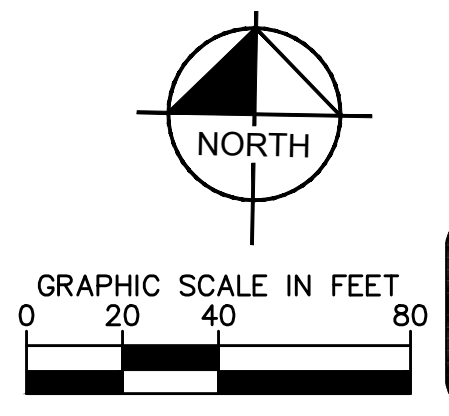
*Kimley-Horn*

Expires 03/31/2025

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SCALE (V):	N/A
DESIGNED BY:	JLW
DRAWN BY:	JLW
CHECKED BY:	ASD
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 EROSION CONTROL PLAN  
 STA 274+00 TO STA 291+50

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	EC03
133 OF 135	



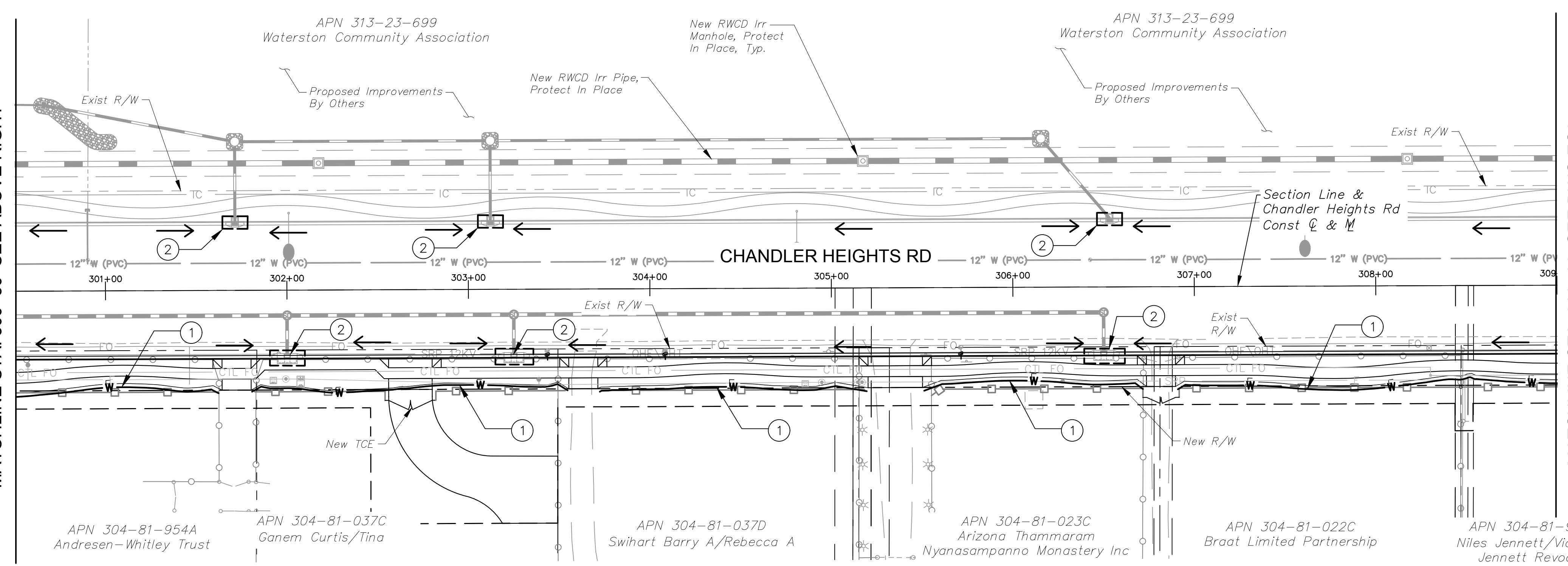
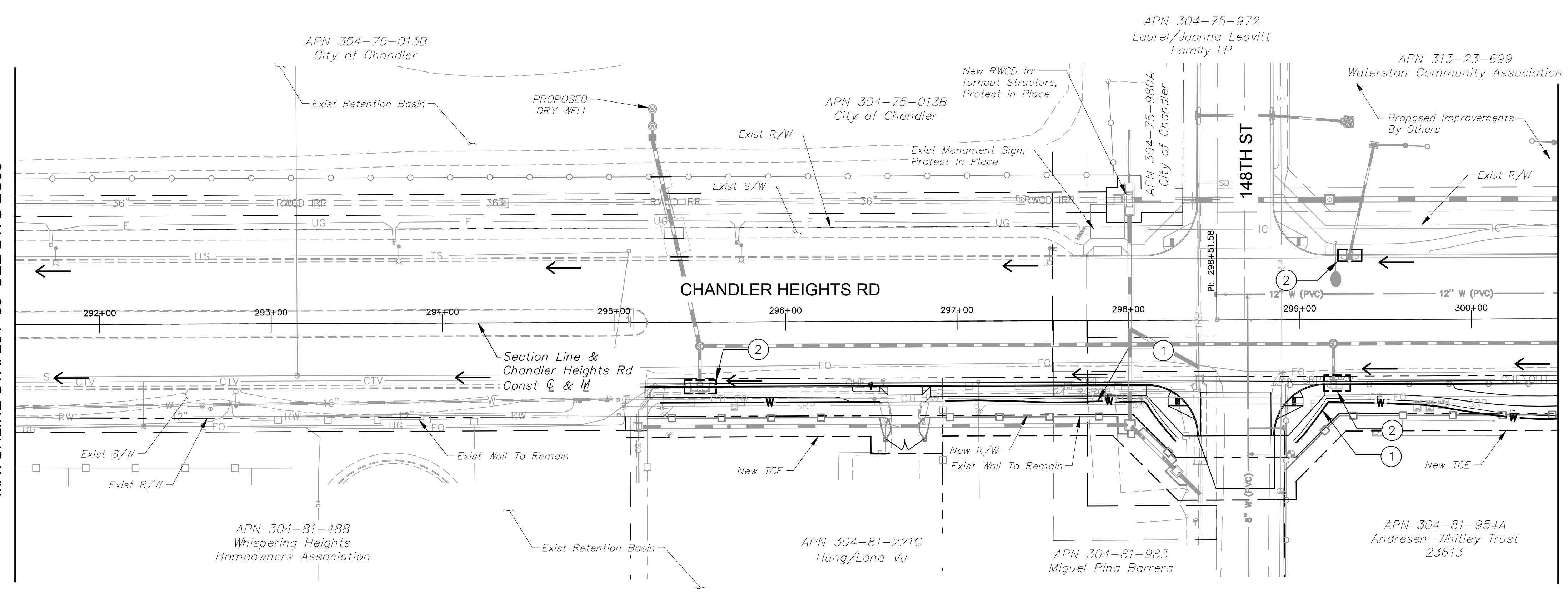
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MATCHLINE STA. 291+50 SEE DWG EC03

MATCHLINE STA. 300+50 SEE ABOVE RIGHT

MATCHLINE STA. 300+50 SEE BELOW LEFT

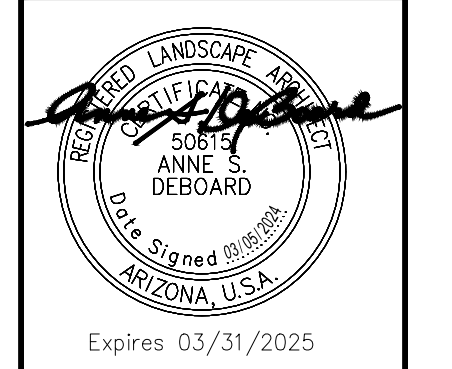


CONSTRUCTION NOTES	
DESCRIPTION	
①	Wattle (9"), Detail E1
②	Curb Inlet Guard, Detail E2
	Construction Entrance (Not Shown), Detail E4
LEGEND	
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	Indicates R/W
	Indicates Drainage Feature
	Wattle 9"
	Indicates Curb Inlet Guard
	Construction Entrance (Rock Mulch)
	Indicates Storm Water Flow Direction

NO.	REVISIONS	DATE	BY

**Kimley»Horn**

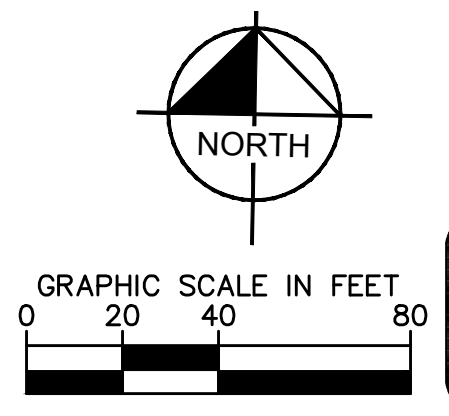
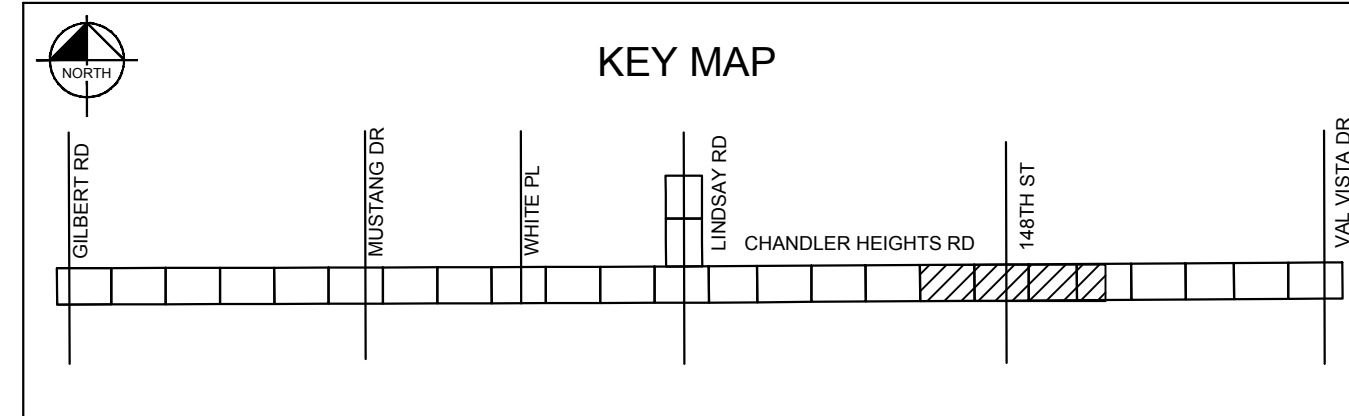
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 PHONE: 602-944-5500 FAX: 602-944-7423  
 WWW.KIMLEY-HORN.COM



SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	JLW
DRAWN BY:	JLW
CHECKED BY:	ASD
DATE:	03/2024

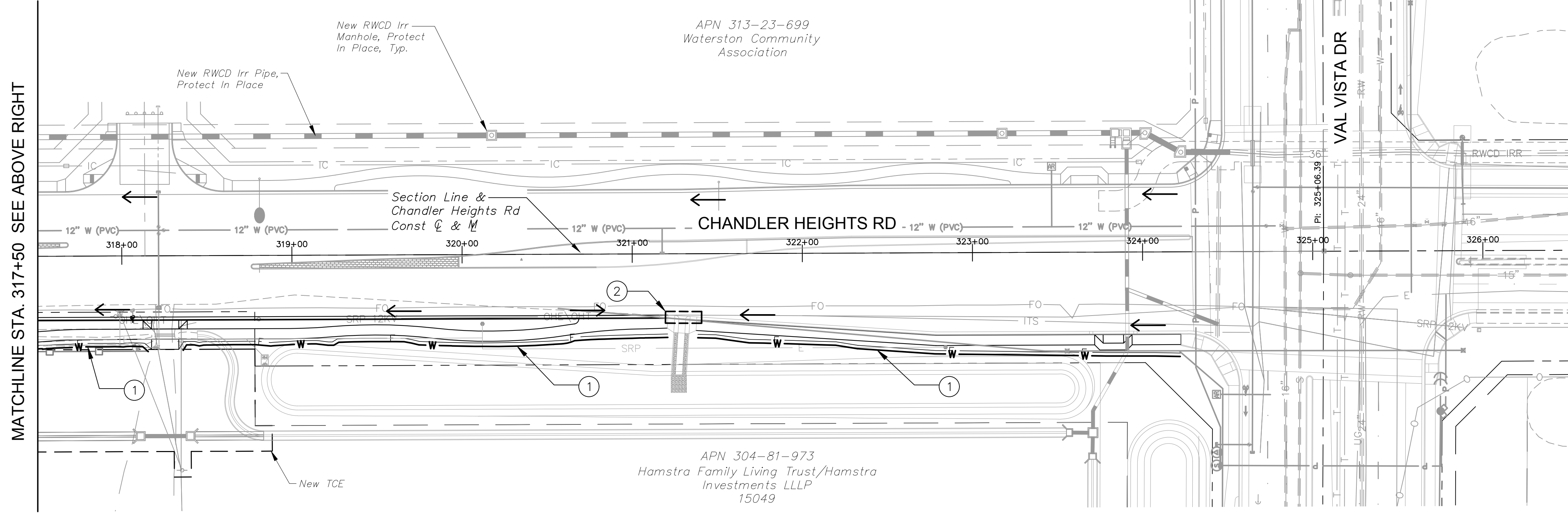
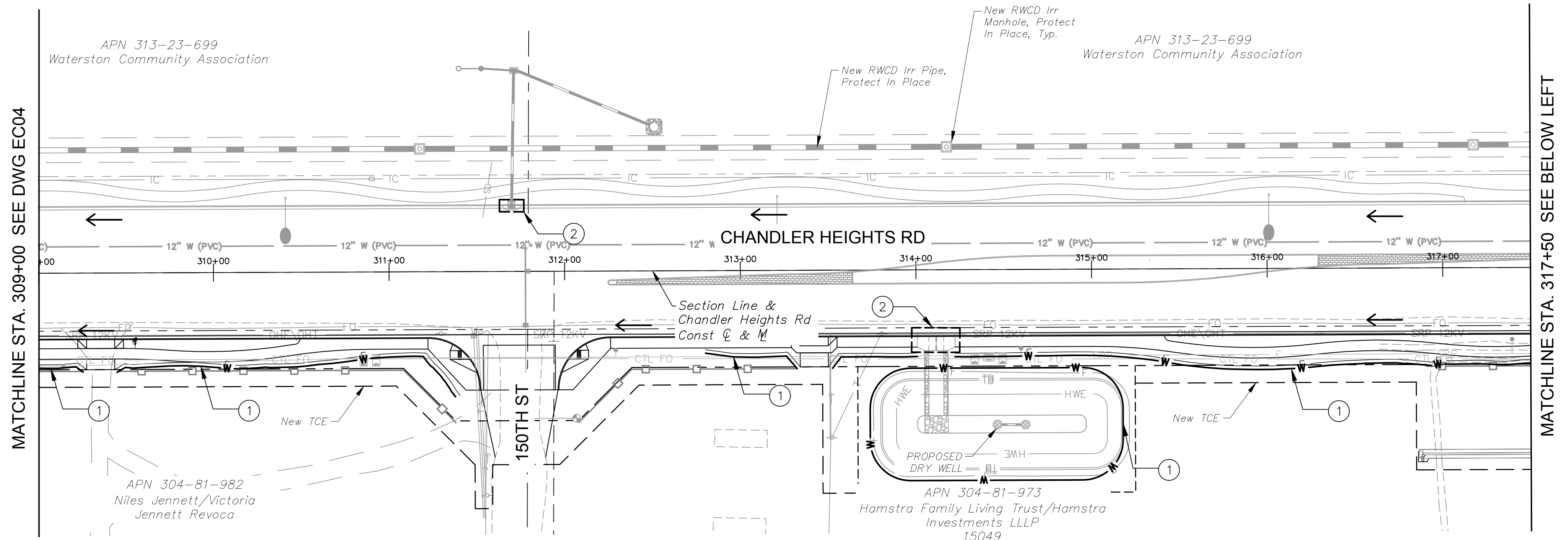
CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 EROSION CONTROL PLAN  
 STA 291+50 TO STA 309+00

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0244JD
ADOT NO.	T0203.01C
SHEET DWG	EC04
134 OF 135	



C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS

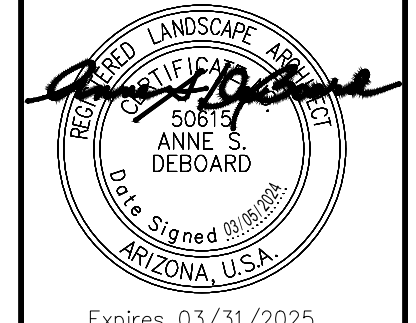
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CONSTRUCTION NOTES	
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②	Curb Inlet Guard, Detail E2
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	Indicates Drainage Feature
	Wattle 9"
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	Construction Entrance (Rock Mulch)
	Indicates Storm Water Flow Direction

NO.	REVISIONS	DATE	BY

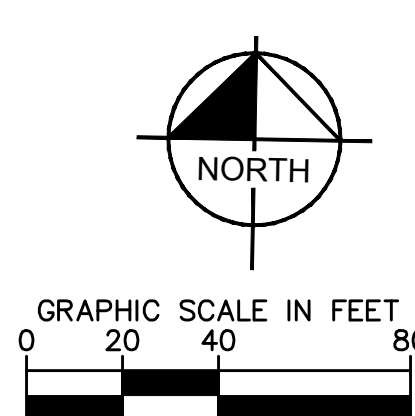
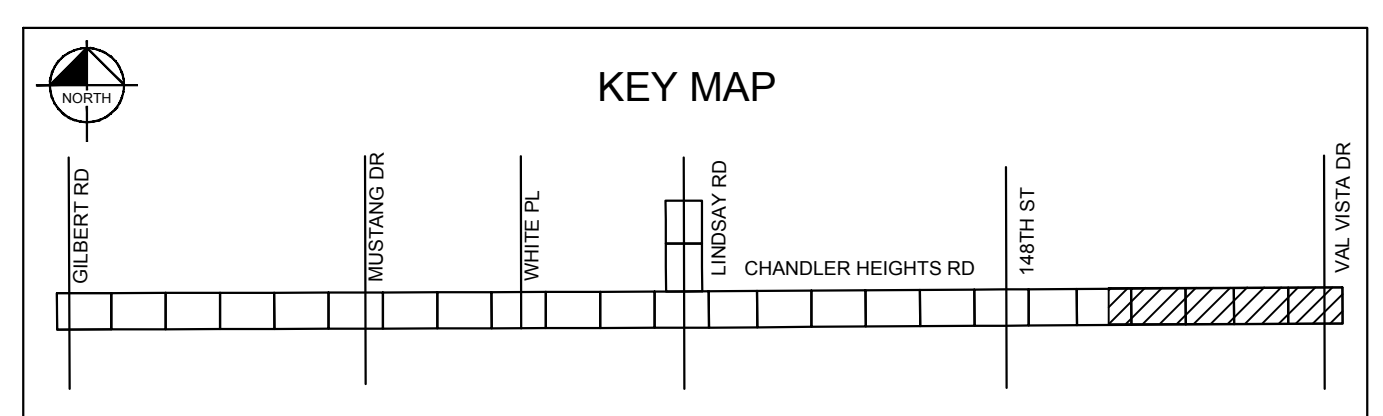
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SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	JLW
DRAWN BY:	JLW
CHECKED BY:	ASD
DATE:	03/2024

CITY OF CHANDLER  
 CHANDLER HEIGHTS RD IMPROVEMENTS  
 EROSION CONTROL PLAN  
 STA 309+00 TO STA 326+50

CITY PROJECT NO.	ST1804.401
FEDERAL NO.	CHN-0(244)D
ADOT NO.	T0203.01C
SHEET DWG	EC05
135 OF 135	



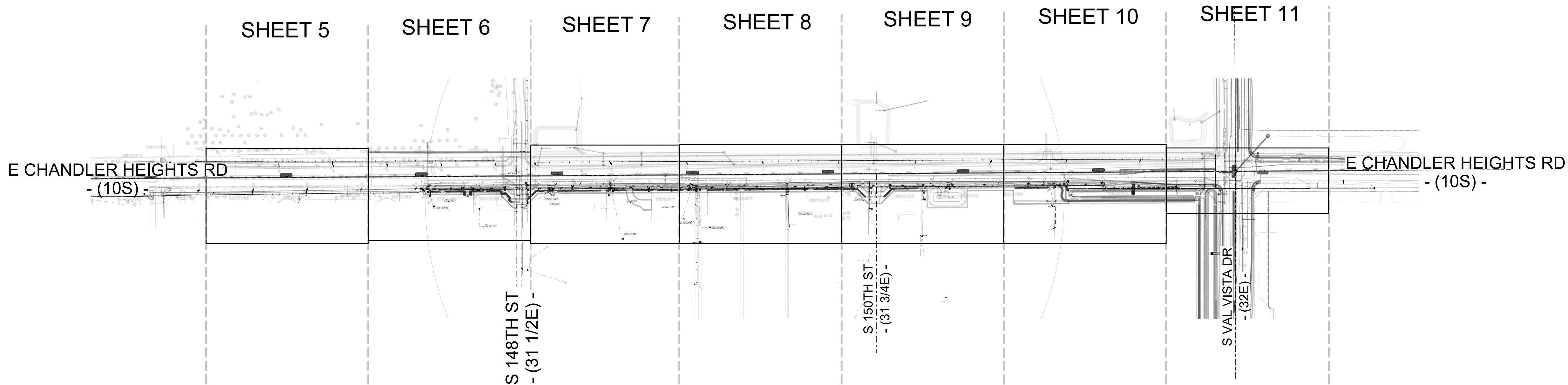
C.O.C. LOG NO. CIV 18-0168 CHANDLER HEIGHTS ROAD IMPROVEMENTS



INDEX	
- SHEET 1 - COVER SHEET	
- SHEETS 2 - SCHEMATIC	
- SHEETS 3 & 4 - CONDUIT ONE-LINE	
- SHEETS 5 TO 11 - MAINLINE	
- SHEET 12 - DETAILS, RWCD NOTES	
- SHEET 13 - PROFILES	



**CUS UE BA CHANDLER HEIGHTS RD IMPROV -  
GILBERT RD TO VAL VISTA DR CONV  
CITY PROJECT NO. ST1804.401  
FEDERAL PROJECT NO. CHN-0 (244)D  
ADOT PROJECT NO. T0203 01C  
SRP JOB# T3129125**



**PROJECT NOTES**

SRP ELECTRIC SERVICE SPECIFICATIONS ARE AVAILABLE ON-LINE AT: [HTTP://WWW.SRPNET.COM/ELECTRIC/BUSINESS/SPECS](http://www.srpnet.com/electric/business/specs)

**THIS PROJECT REQUIRES  
BUY AMERICA COMPLIANCE**

GRAPHIC SYMBOLS	
	PROPOSED UNDERGROUND TRENCH/BORE
	UNDERGROUND SECONDARY CONDUCTOR
	UNDERGROUND SERVICE CONDUCTOR
	UNDERGROUND STREETLIGHT CONDUCTOR
	EXISTING UNDERGROUND TRENCH/BORE
	CONDUIT DUCT BANK CONFIGURATION
	INDICATES ABANDONMENT
	A MATCHLINES
	(SHADED SYMBOL INDICATES EXISTING FACILITY)
	A OPEN BAR INDICATES PROPOSED FACILITIES
	NO BAR INDICATES EXISTING FACILITIES
	PROPOSED SINGLE-PHASE TRANSFORMER
	PROPOSED THREE-PHASE TRANSFORMER
	PROPOSED FUSING ENCLOSURE
	PROPOSED SWITCHING ENCLOSURE
	PROPOSED 4-WAY SWITCH ENCLOSURE
	PROPOSED 1 PHASE PULLING ENCLOSURE
	PROPOSED 3 PHASE/FEEDER PULLING ENCLOSURE
	PROPOSED 4/0 PRIMARY TAP ENCLOSURE
	PROPOSED CAPACITOR BANK
	PROPOSED MANHOLE
	PROPOSED RISER
	PROPOSED J-BOX
	SERVICE ENTRANCE SECTION
	PROPOSED PULLBOX
	SPLICE POINT
	PROPOSED STREET LIGHT
	INDICATES REMOVAL
	ELECTRONIC MARKER
	WORK POINT NUMBER

**Civil Engineering Utility Company Notes  
(Supplemental Conditions of Approval)**

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT M.A.G. STANDARD SPECIFICATIONS AND DETAILS AS SUPPLEMENTED BY THE CITY OF CHANDLER.
- THE CITY ENGINEER'S OFFICE SHALL BE NOTIFIED VIA EMAIL A MINIMUM OF 24 HOURS PRIOR TO STARTING EACH PHASE OF CONSTRUCTION TO PERMIT NOTIFICATION@CHANDLERAZ.GOV. IF SUBCONTRACTORS ARE EMPLOYED, THEY SHALL BE IDENTIFIED AT THIS TIME. EMERGENCY WORK PERFORMED AFTER NORMAL WORK HOURS SHALL BE REPORTED TO THE POLICE DISPATCHER AT (480) 782-4132.
- ALL STREET CROSSINGS SHALL BE BORED USING HORIZONTAL DIRECTIONAL DRILLING (H.D.D.) IN ACCORDANCE WITH M.A.G. SECTION 608 AND CITY OF CHANDLER SUPPLEMENTAL SPECIFICATIONS UNLESS APPROVAL TO OPEN CUT HAS BEEN RECEIVED FROM THE CITY ENGINEER AND SUCH APPROVAL HAS BEEN NOTED ON THE PERMIT. ALL PAVEMENT REPLACEMENT SHALL BE IN ACCORDANCE WITH M.A.G. STANDARD DETAIL 200, "T" TOP, WITH FULL DEPTH ABC BACKFILL.
- TRAFFIC CONTROL SHALL BE MAINTAINED IN ACCORDANCE WITH THE CHANDLER TRAFFIC BARRICADE MANUAL. TRAFFIC RESTRICTIONS ARE NOT PERMITTED ON ARTERIALS AND MAJOR COLLECTORS PRIOR TO 8:30 A.M. OR AFTER 4 P.M.
- RESTRICTIONS IN ALLEYS WILL BE COORDINATED IN ADVANCE WITH THE SOLID WASTE SERVICES DIVISION (480) 782-3510.
- PERMITS ARE REQUIRED FOR ALL WORK IN CITY RIGHTS-OF-WAY. A COPY OF THE PERMIT AND APPROVED PLAN SHALL BE AVAILABLE AT THE JOB SITE. FAILURE TO SECURE PERMITS PRIOR TO STARTING CONSTRUCTION WILL RESULT IN THE ASSESSMENT OF PENALTY FEES.
- ALL WORK IN THE RIGHT-OF-WAY SHALL BE COMPACTION TESTED AND RESULTS KEPT ON FILE FOR A MINIMUM OF ONE YEAR.
- ANY DAMAGE TO IRRIGATION SYSTEMS WITHIN THE CITY RIGHT-OF-WAY SHALL BE REPAIRED, WITHIN 48 HOURS OF SAID DAMAGE, TO PREVENT LOSS OF LANDSCAPE MATERIAL.
- WHEN TRENCHING IN ALLEYS, ALL TRENCH SPOIL SHALL BE REMOVED FROM THE AREA AND ALL TRENCH BACKFILL SHALL BE AGGREGATE BASE IN CONFORMANCE WITH M.A.G. SECTION 702.2 AND INSTALLED PER SECTION 601.4.4, BACKFILL TYPE I (PER TABLE 601-2). A MINIMUM OF 24" DEPTH OF COVER SHALL BE MAINTAINED BY ALL UNDERGROUND FACILITIES INSTALLED IN THE ALLEY AND THE ALLEY SURFACE OVER AND ADJACENT TO THE TRENCH SHALL BE NEAT AND CLEAN OF ALL SPOIL.

10. WHEN CONTRACTORS OR UTILITY COMPANIES CALL IN FOR BLUESTAKING OR CONSTRUCTION AREAS, "SEMI-PERMANENT", OR APPROVED ALTERNATE 3-6 MONTH DURATION BLUE-STAKE PAINT SHALL BE SPECIFIED. IN ADDITION, "STAKE CHASERS" WILL BE SPECIFIED FOR MARKING ACROSS LANDSCAPED YARDS/AREAS.

UTILITY COMPANIES OR CONTRACTORS FOR UTILITY COMPANIES THAT EMPLOY INDISCRIMINATE/EXCESSIVE BLUE-STAKE MARKING ACROSS RESIDENTIAL/BUSINESS DRIVEWAYS OR YARDS WILL BE RESPONSIBLE FOR RESTORING RIGHT-OF-WAY, UTILITY EASEMENT, AND/OR ADJOINING PROPERTY OWNERS AREA TO ITS ORIGINAL UNMARKED CONDITION.

EXCEPTION: FOR LONG DURATION CONSTRUCTION PROJECTS ON MAJOR ARTERIALS OR MAJOR STREETS, OR CERTAIN SPECIALTY TYPE CONSTRUCTION PROJECTS, THE CONTRACTOR/UTILITY COMPANY MAY ASK THE CITY ENGINEER FOR APPROVAL TO USE LONGER DURATION BLUE-STAKE PAINT. IN ADDITION, IF THE REMOVAL OF "STAKE CHASERS" OCCURS OR IS EXPECTED TO RESULT, THE CONTRACTOR/UTILITY COMPANY MAY ASK THE CITY ENGINEER FOR APPROVAL TO USE BLUE-STAKE PAINT MARKING ACROSS LANDSCAPED AREAS.

11. UTILITY CLEARANCE REQUIREMENTS: ANY AND ALL MORE STRINGENT SEPARATION REQUIREMENTS REQUIRED BY FEDERAL, STATE, OR LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.

A SIX-FOOT MINIMUM HORIZONTAL SEPARATION FROM THE EXTERIOR WALL OF ANY UNDERGROUND DRY UTILITY SHALL BE PROVIDED TO THE EXTERIOR WALL OF WATER AND SEWER MAINS. ALL FIRE LINES, REGARDLESS OF SIZE (INCLUDING HYDRANTS AND OTHER FIRE SERVICE CONNECTIONS) ARE CONSIDERED MAINS.

A THREE-FOOT MINIMUM HORIZONTAL SEPARATION FROM THE EXTERIOR WALL OF ANY UNDERGROUND DRY UTILITY SHALL BE PROVIDED TO THE EXTERIOR WALL OF WATER AND SEWER SERVICES. REFER TO M.A.G. SECTION 608 AND CITY OF CHANDLER SUPPLEMENTAL SPECIFICATIONS FOR HORIZONTAL DIRECTIONAL DRILLING (H.D.D.) CLEARANCE REQUIREMENTS.

A TWO-FOOT MINIMUM VERTICAL SEPARATION FROM THE EXTERIOR WALL OF ANY UNDERGROUND DRY UTILITY SHALL BE PROVIDED TO THE EXTERIOR WALL OF ANY WET UTILITIES.

FOR ADDITIONAL INFORMATION REGARDING STANDARD UTILITY LOCATIONS REFER TO THE CITY OF CHANDLER STANDARD DETAILS AND SPECIFICATIONS, STREET SERIES, C-200 - C-259.

DEPTH REQUIREMENTS SHALL BE IN ACCORDANCE WITH CITY OF CHANDLER MINIMUM COVER REQUIREMENTS OR AT THE DISCRETION OF THE CITY ENGINEER.

**GENERAL NOTES:**

- CUSTOMER TO PROVIDE TRENCH, CONDUIT, J-BOXES, BLUE TOP AT THE EQUIPMENT LOCATIONS AND THE STAKING OF STREETLIGHT LOCATIONS.
- ALL STREET LIGHT LOCATIONS TO BE STAKED BY CONTRACTOR PER CITY OF CHANDLER APPROVED STREET LIGHT PLANS. SRP J-BOX TO BE LOCATED WITHIN 15' OF STREET LIGHT LOCATIONS.
- STREET LIGHT LOCATIONS ARE SHOWN FOR REFERENCE ONLY. CUSTOMER IS RESPONSIBLE FOR STAKING STREET LIGHT LOCATIONS PER THE APPROVED STREET LIGHT PLANS.
- STREETLIGHT CONDUIT TO BE INSTALLED ON THIS JOB, STREETLIGHT J-BOXES, CONDUCTOR, & MOLE ASSEMBLIES TO BE INSTALLED ON T3129130.

**CONTRACT CIVIL/CONDUIT CREW:**

OBTAIN THESE SRP STANDARD DETAILS NEEDED TO CORRECTLY CONSTRUCT THIS JOB. THEY CAN BE FOUND UNDER "UNDERGROUND DISTRIBUTION CONSTRUCTION STANDARDS" AT:

<https://srpnet.com/menu/electricbiz/specs.aspx>

- 8513E112.DGN - GROUND ROD ASSEMBLY
- 8513E135.DGN - TRENCHING
- 8513E123.DGN - 9' x 9' MANHOLE, CABLE RACKING
- 8513E356.DGN - 2/0 BARE COPPER NEUTRALS MANHOLE CONNECTIONS
- 8513E168.DGN - 750 MCM FEEDER PULLING ENCLOSURE
- 8513E1.DGN - CONDUIT ELBOW REINFORCEMENT DETAILS
- 8513E196.DGN - DIRECT BURIED CONDUIT
- 8513E500.DGN - CABLE END MOISTURE SEAL
- 8513E111.DGN - GUARD POST
- 8513E189.DGN - FEEDER RISER POLE MOUNTED DISCONNECTS
- 8513E12.DGN - SPOOL-DUCT OR PVC TO SPOOL-DUCT JOINT
- 8513E174.DGN - SPOOLED DUCT AND CONDUIT STUB-OUTS
- 8513E102.DGN - 5' x 3' x 3' PULL BOX FLUSH MOUNT (LOAD BEARING)

**Approved for Construction**  
 Engineer: Robby Flynn 09 May 2024  
 CC: Joe Cordeiro 13 May 2024

**CONTACTS:**

DESIGN CONSULTANT:  
 MELISSA MONTEFALCON  
 OFFICE: (602)236-6857  
 MOBILE: (602)679-9446

PROJECT LEADER:  
 ANTHONY LAWRENCE  
 MOBILE: (602)748-6687

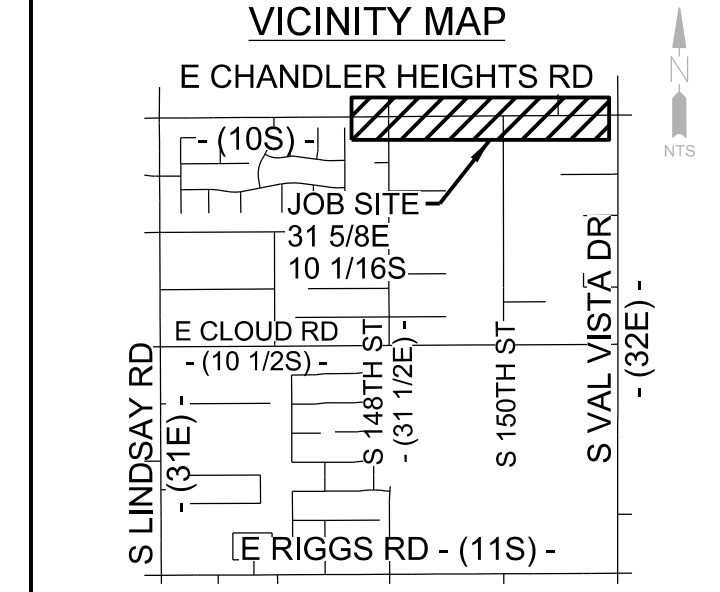
INSPECTIONS:  
 OFFICE: (602)236-0436

CONSTRUCTION CONSULTANT:  
 JOE CORDERIO  
 MOBILE: (602)402-0858

**NOTICE**

THIS JOB ORDER INVOLVES OVERHEAD, UNDERGROUND AND / OR SERVICES

OVERHEAD# T3129119  
 OH RELOC# \_\_\_\_\_  
 UG STREETLIGHT# T3129130  
 UNDERGROUND# \_\_\_\_\_



**SURVEY AND PERMIT INFORMATION**

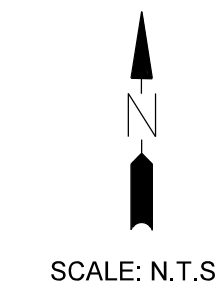
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- CUSTOMER'S SURVEY TO STAKE FOR LOCATION/CONSTRUCTION AND TIE FOR EASEMENTS. CUSTOMER'S SURVEYOR MUST ATTEND PRE-CON MEETING.
- SRP SURVEY TO STAKE FOR LOCATION, NO EASEMENT REQUIRED.
- 3RD PARTY EASEMENT REQUIRED.
- NO SURVEY REQUIRED.
- PERMIT REQUIRED: CITY OF CHANDLER COUNTY \_\_\_\_\_ OTHER \_\_\_\_\_ PERMIT NO. \_\_\_\_\_
- NO PERMIT REQ.

④	MJMONTEF	04/20/2022	PRELIMINARY PLANS FOR CUSTOMERS
REV	REVISED BY	DATE	REVISION DESCRIPTION

**JOB NAME** CUS UE BA CHANDLER HEIGHTS RD IMPROV - GILBERT RD TO VAL VISTA DR CONV  
**ADDRESS/LOCATION** CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR  
**CONTACT/CITY OF CHANDLER** DENNIS AUST PHONE 480-782-3315  
**BILLING ACCT NO.** \_\_\_\_\_  
**FIS JO** \_\_\_\_\_ **MAP 1/4NE S 29 T 2S R 6E**  
**40/ACRE** YF-29-02 **COORDS** 31 7/8 E - 10 1/16 S  
**AMP WO** T3129125 **AMP VERSION** \_\_\_\_\_  
**COST CENTER** 22660  
**ROUTING CODE** DD1\_5CSI+0

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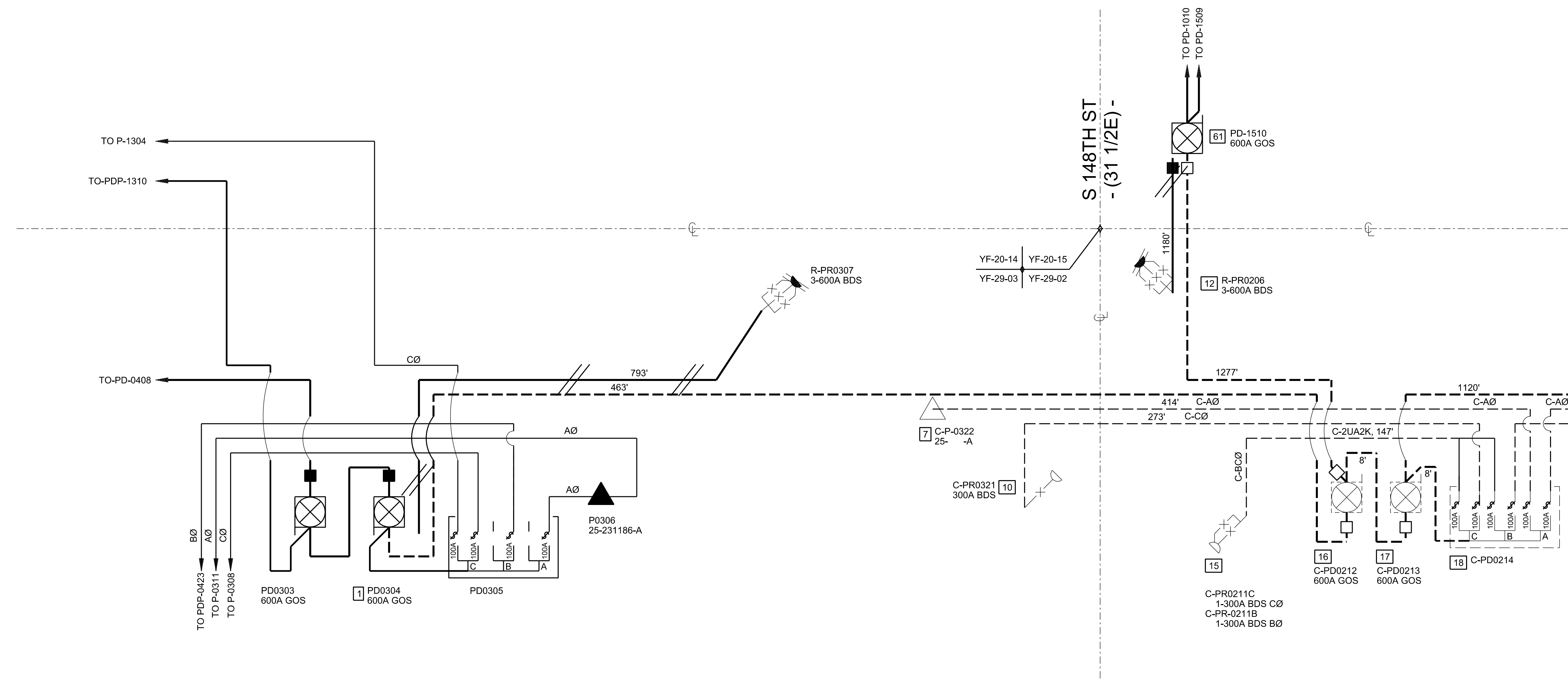
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 YE-26-03 YE-26-01  
 YE-24-11 YE-24-09  
 YE-25-03 YE-25-01



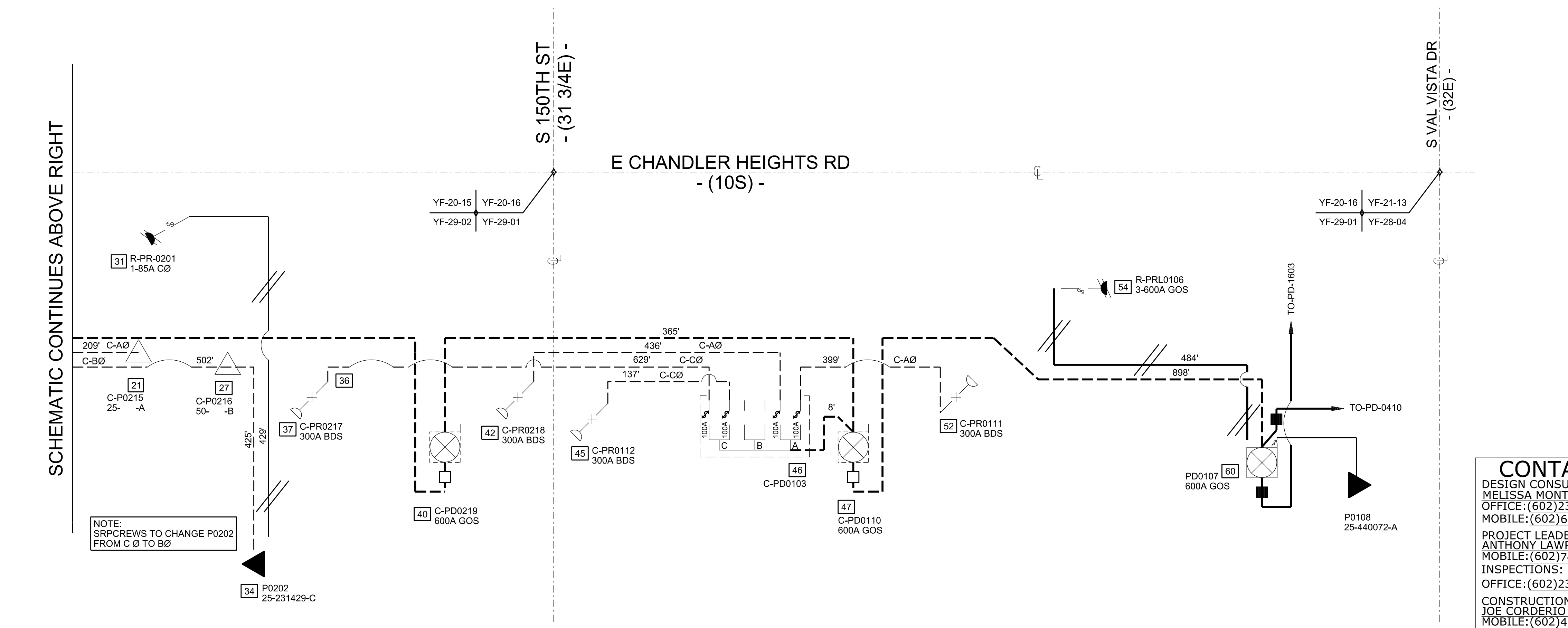
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 UNLESS NOTED OTHERWISE ON SKETCH

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---	C-3UA40K
---	E-3UA40K
---	C-1UA2K
---	E-1UA2K

- PROPOSED FAULT INDICATOR
- EXISTING FAULT INDICATOR
- HASH MARKS INDICATE REMOVAL



SCHEMATIC CONTINUES BELOW LEFT



SCHEMATIC CONTINUES ABOVE RIGHT

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 INSPECTIONS:  
 OFFICE: (602)236-0436  
 CONSTRUCTION CONSULTANT:  
 JOE CORDERIO  
 MOBILE: (602)402-0858

NATURAL GAS YES  NO

JOB NAME CUS UE BA CHANDLER HEIGHTS RD IMPROV - GILBERT RD TO VAL VISTA DR CONV. Call 911 or 480-40072-A 1 week prior to working days before you begin excavation

ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR

CONTACT CITY OF CHANDLER - DENNIS AUST PHONE 480-782-3315

BILLING ACCT NO. \_\_\_\_\_

FIS JO \_\_\_\_\_ MAP 1/4NE S 29 T 2S R 6E

40/ACRE YF-29-02 COORDS 31 7/8 E - 10 1/16 S

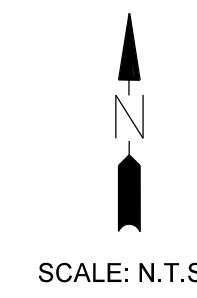
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COST CENTER 22660

ROUTING CODE DD1.5CSI+0

SHEET NUMBER 2 OF 14

# CONDUIT ONE-LINE



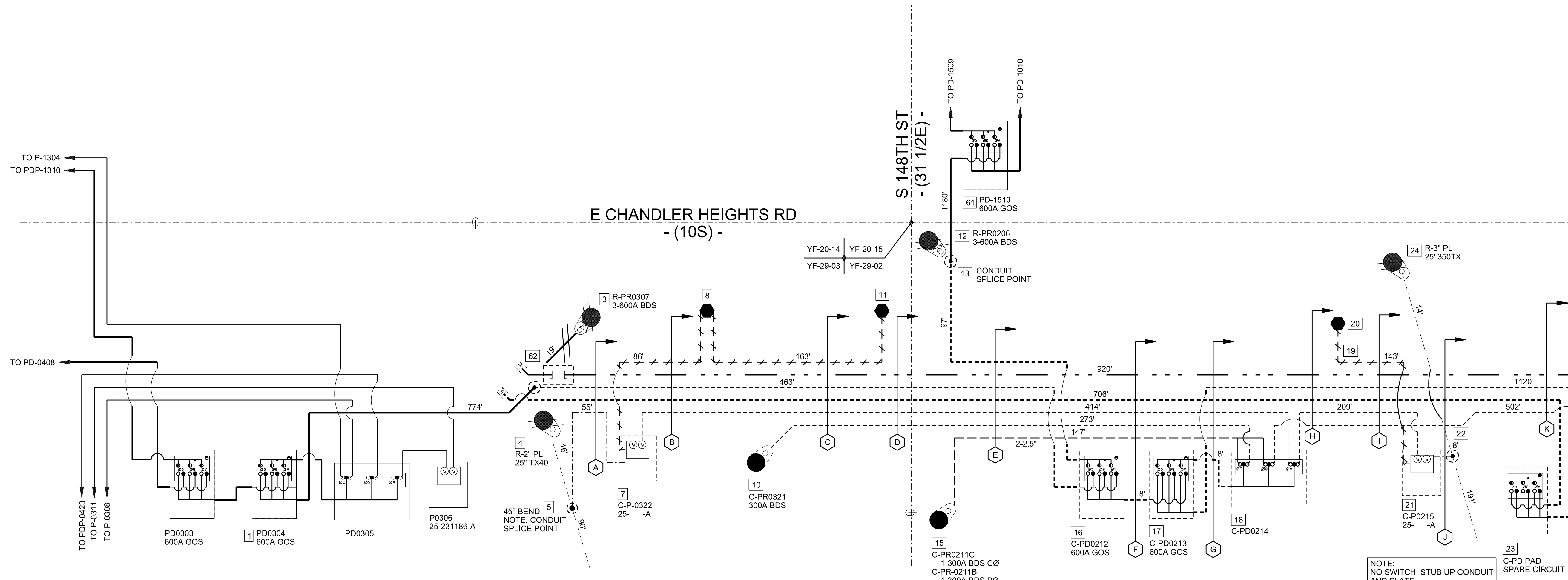
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UNLESS NOTED OTHERWISE ON SKETCH

- C-UK33 (C-3-3")
- C-UK31 (C-1-3")
- C-UK251 (C-1-2.5")
- C-UK252 (C-2-2.5")
- C-UK251L (C-1-2.5" STREETLIGHT)
- C-UK42K (C-2-4" SRP COMMUNICATION)
- E-UK33 (E-3-3")
- E-UK251 (E-1-2.5")
- E-UK251L (E-1-2.5" STREETLIGHT)

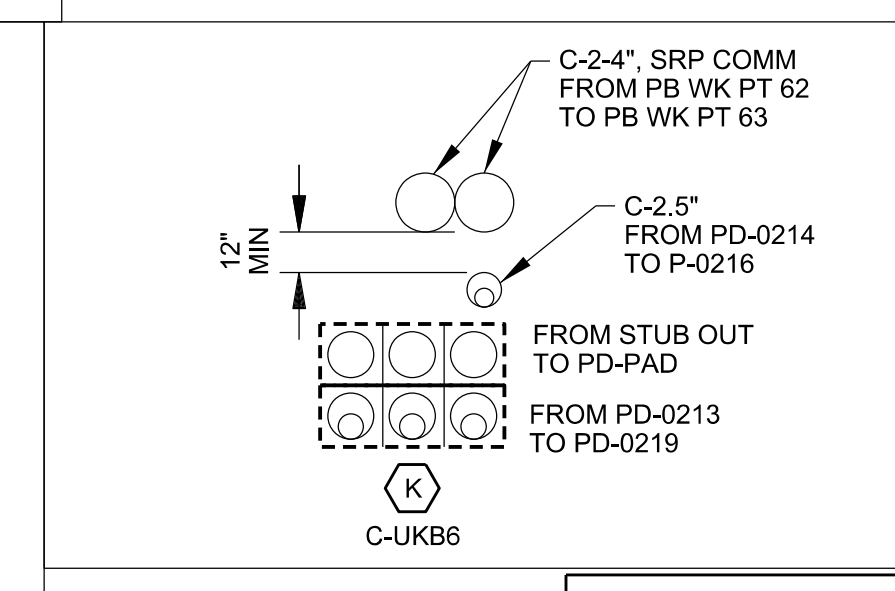
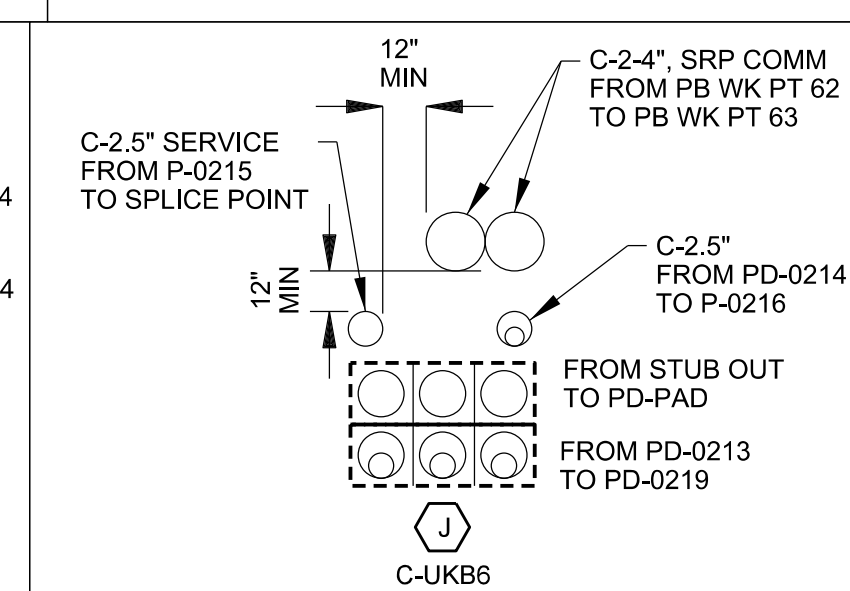
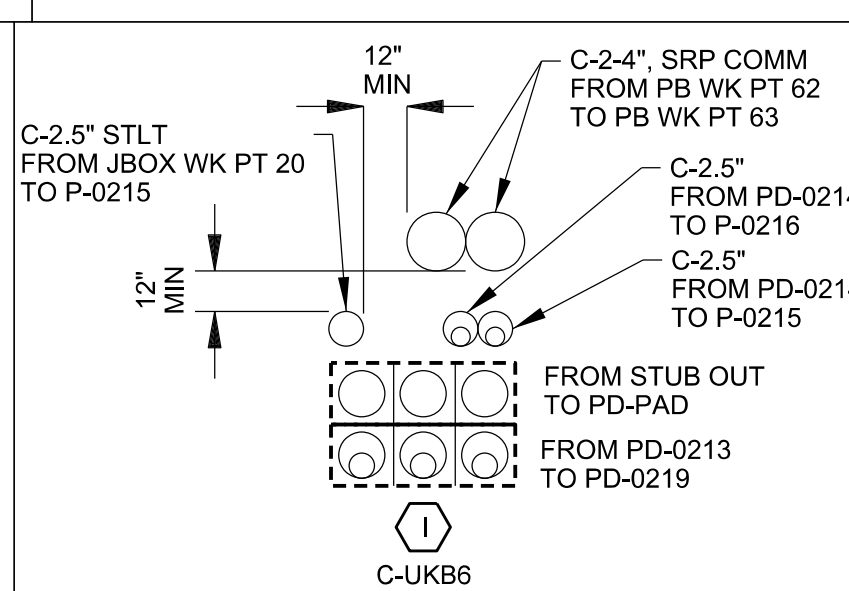
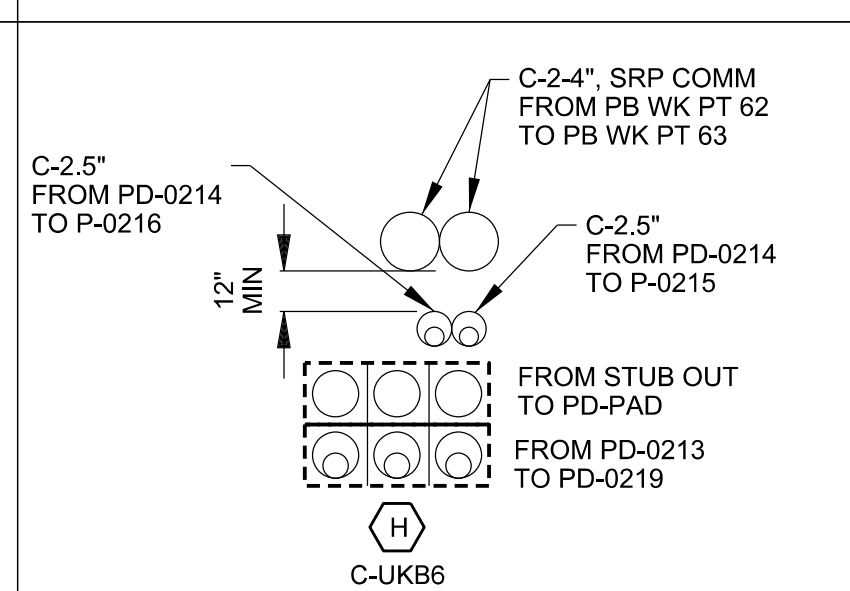
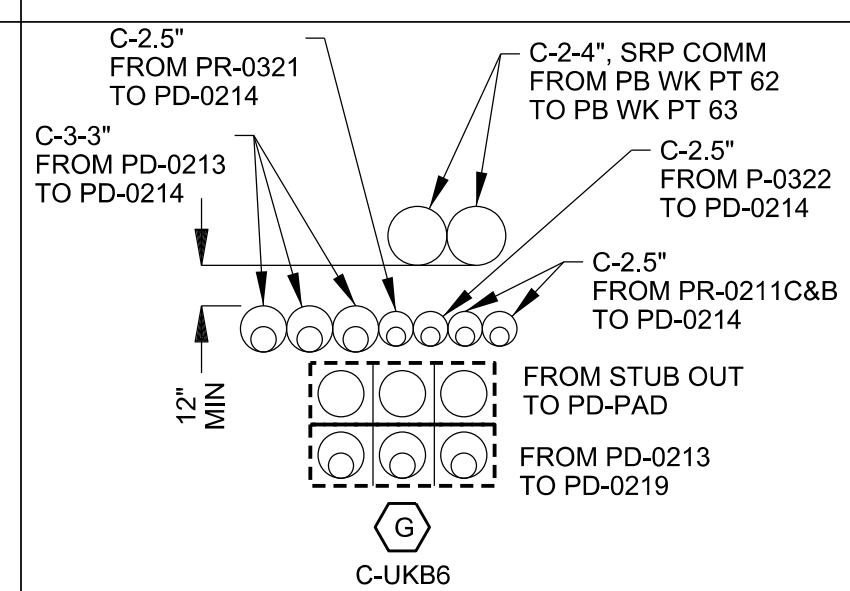
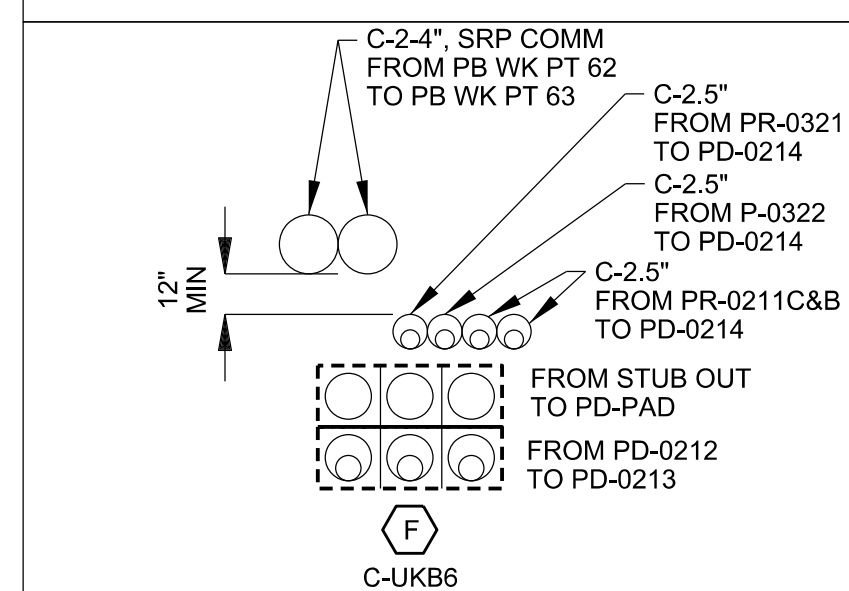
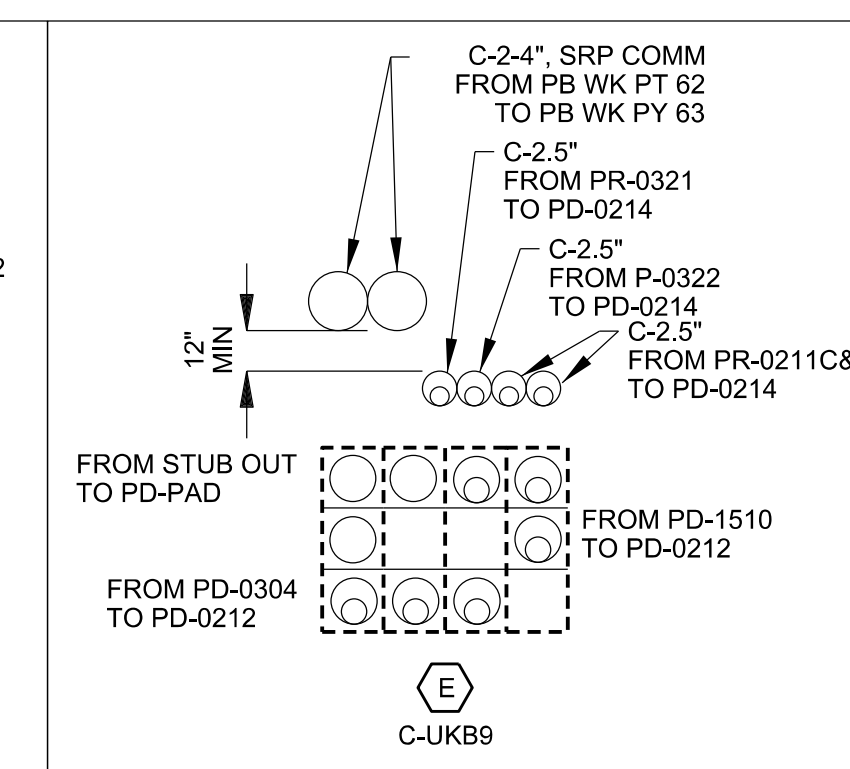
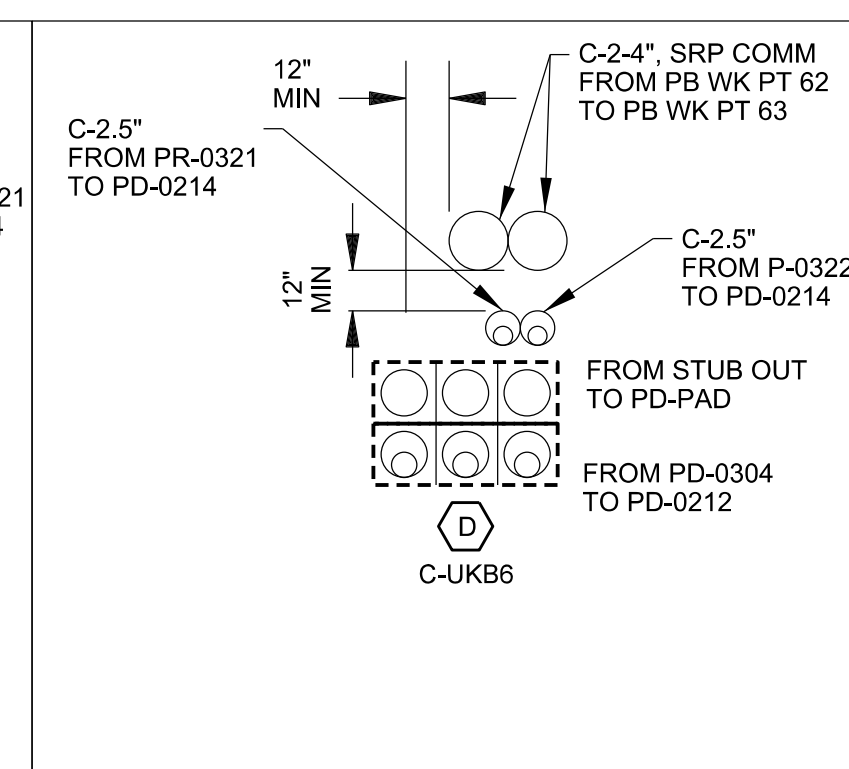
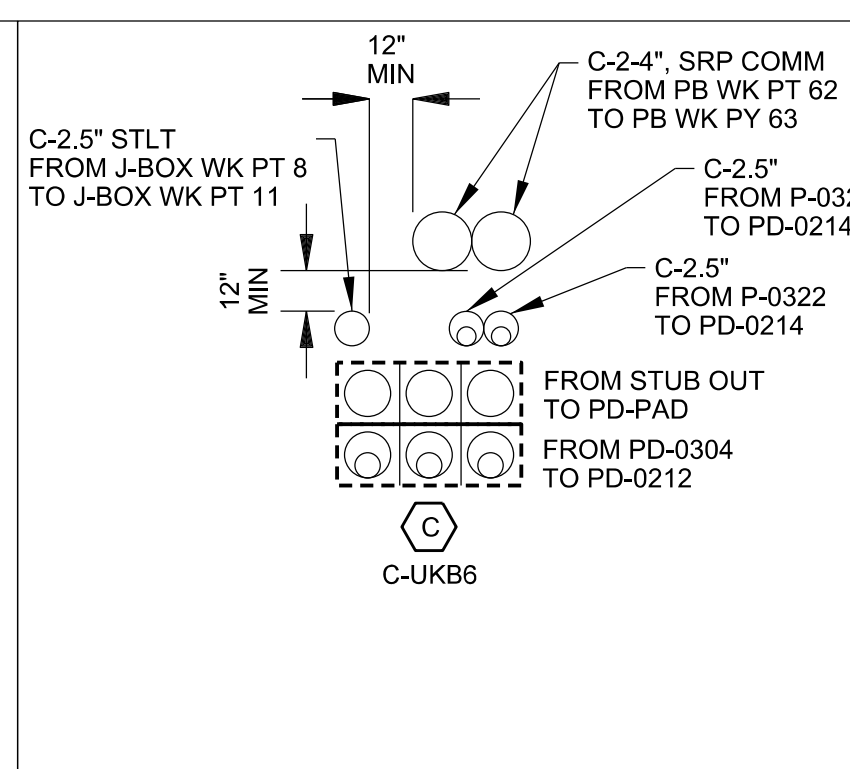
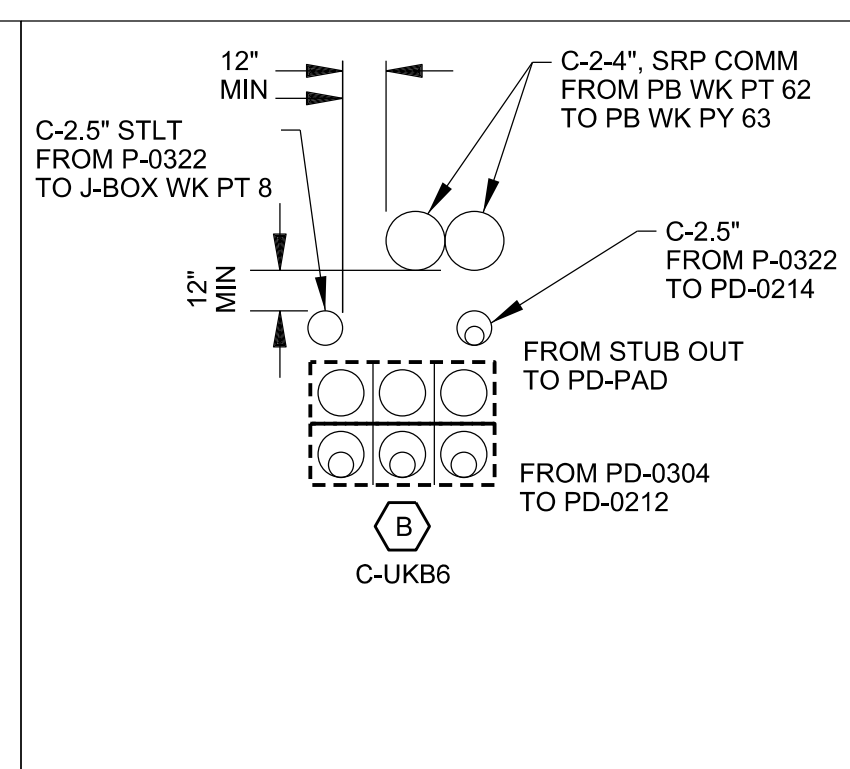
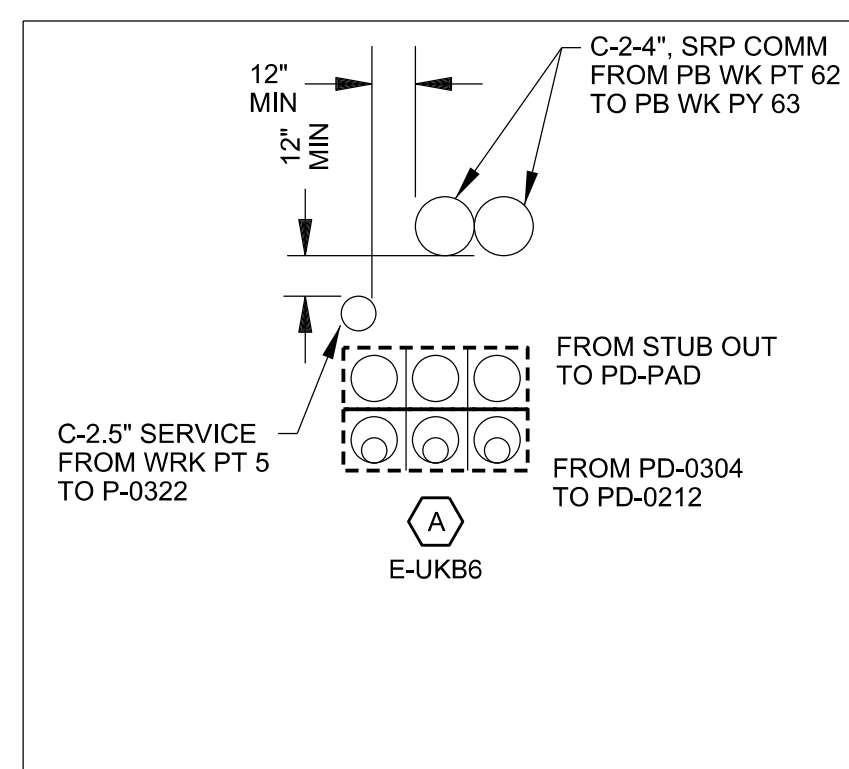
/// HASH MARKS INDICATE ABANDON

NOTES:  
-INSTALL A UBGND GROUND ROD IN ALL NEW EQUIPMENT AND A UBGNDJ GROUND IN ALL EXISTING EQUIPMENT WITHOUT A GROUND IN IT.  
-VERTICAL ELBOWS REQUIRE CONCRETE ENCASEMENT.



C.O.L CONTINUES SHEET 4

NOTE: NO SWITCH, STUB UP CONDUIT AND PLATE.



Approved for Construction  
Engineer: Robby Flynn 09 May 2024  
CC: Joe Corderio 13 May 2024

**CONTACTS:**  
DESIGN CONSULTANT:  
MELISSA MONTEFALCON  
OFFICE: (602)236-6857  
MOBILE: (602)679-9446  
PROJECT LEADER:  
ANTHONY LAWRENCE  
MOBILE: (602)748-6687  
INSPECTIONS:  
OFFICE: (602)236-0436  
CONSTRUCTION CONSULTANT:  
JOE CORDERIO  
MOBILE: (602)402-0858

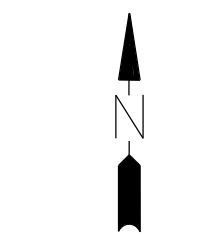
FIELD INSTALLATION STAMP

NATURAL GAS YES  NO

JOB NAME CUS UE BA CHANDLER HEIGHTS RD IMPROV - GILBERT RD TO VAL VISTA DR CONV  
ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR  
CONTACT CITY OF CHANDLER - DENNIS AUST PHONE 480-782-3315  
BILLING ACCT NO. \_\_\_\_\_  
FIS JO \_\_\_\_\_ MAP 1/4NE S 29 T 2S R 6E  
40/ACRE YF-29-02 COORDS 31 7/8 E - 10 1/16 S  
AMP WO T3129125 AMP VERSION \_\_\_\_\_  
COST CENTER 22660  
ROUTING CODE DD1.5CSI+0

SHEET NUMBER 3 OF 14

# CONDUIT ONE-LINE



SCALE: N.T.S.

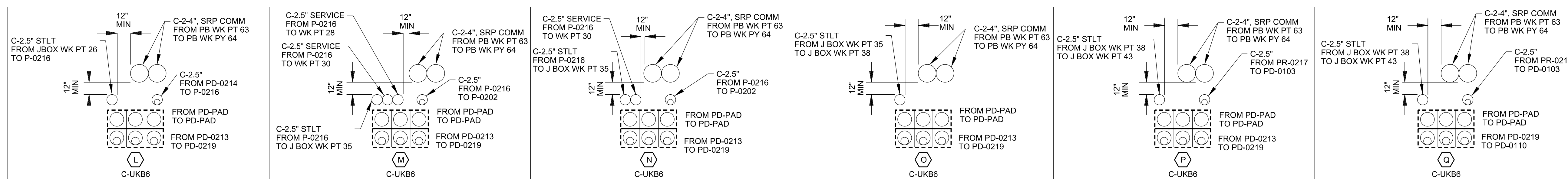
CONDUITS ARE AS FOLLOWS UNLESS NOTED OTHERWISE ON SKETCH

- C-UK33 (C-3-3")
- C-UK31 (C-1-3")
- C-UK251 (C-1-2.5")
- C-UK252 (C-2-2.5")
- C-UK251L (C-1-2.5" STREETLIGHT)
- C-UK42K (C-2-4" SRP COMMUNICATION)
- E-UK33 (E-3-3")
- E-UK251 (E-1-2.5")
- E-UK251L (E-1-2.5" STREETLIGHT)

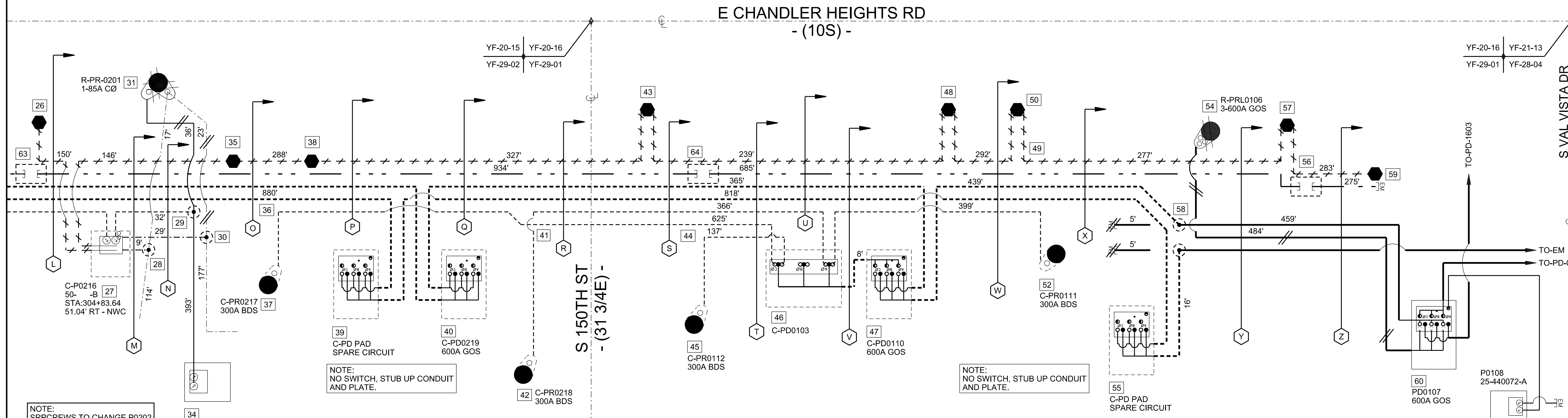
/// HASH MARKS INDICATE ABANDON

NOTES:  
 -INSTALL A UBGDND GROUND ROD IN ALL NEW EQUIPMENT AND A UBGDND GROUND IN ALL EXISTING EQUIPMENT WITHOUT A GROUND IN IT.  
 -VERTICAL ELBOWS REQUIRE CONCRETE ENCASEMENT.

C.O.L CONTINUES SHEET 3



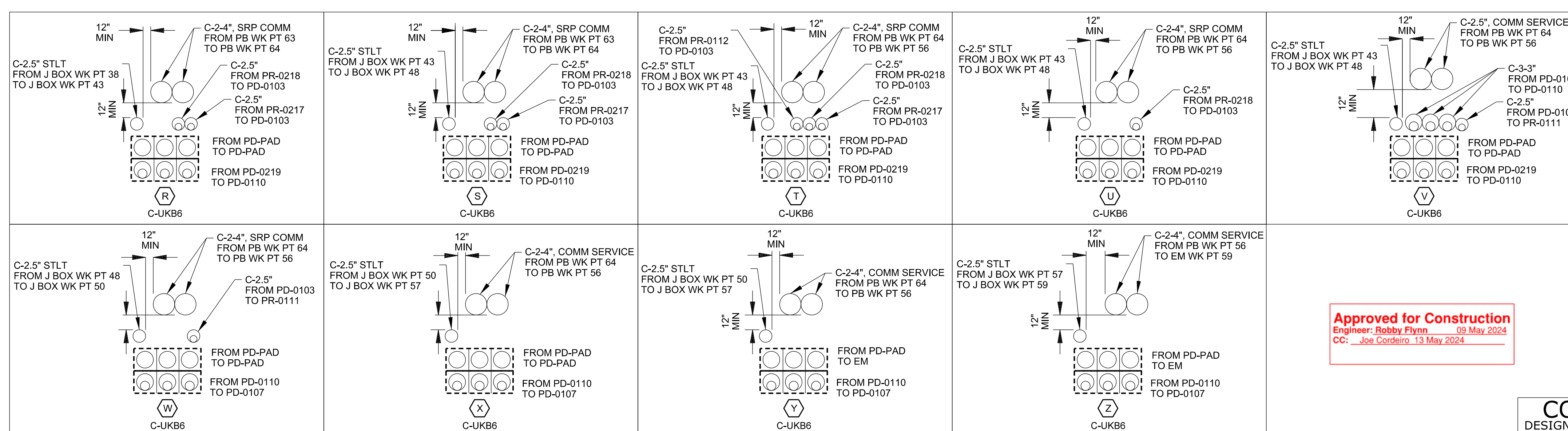
## E CHANDLER HEIGHTS RD - (10S) -



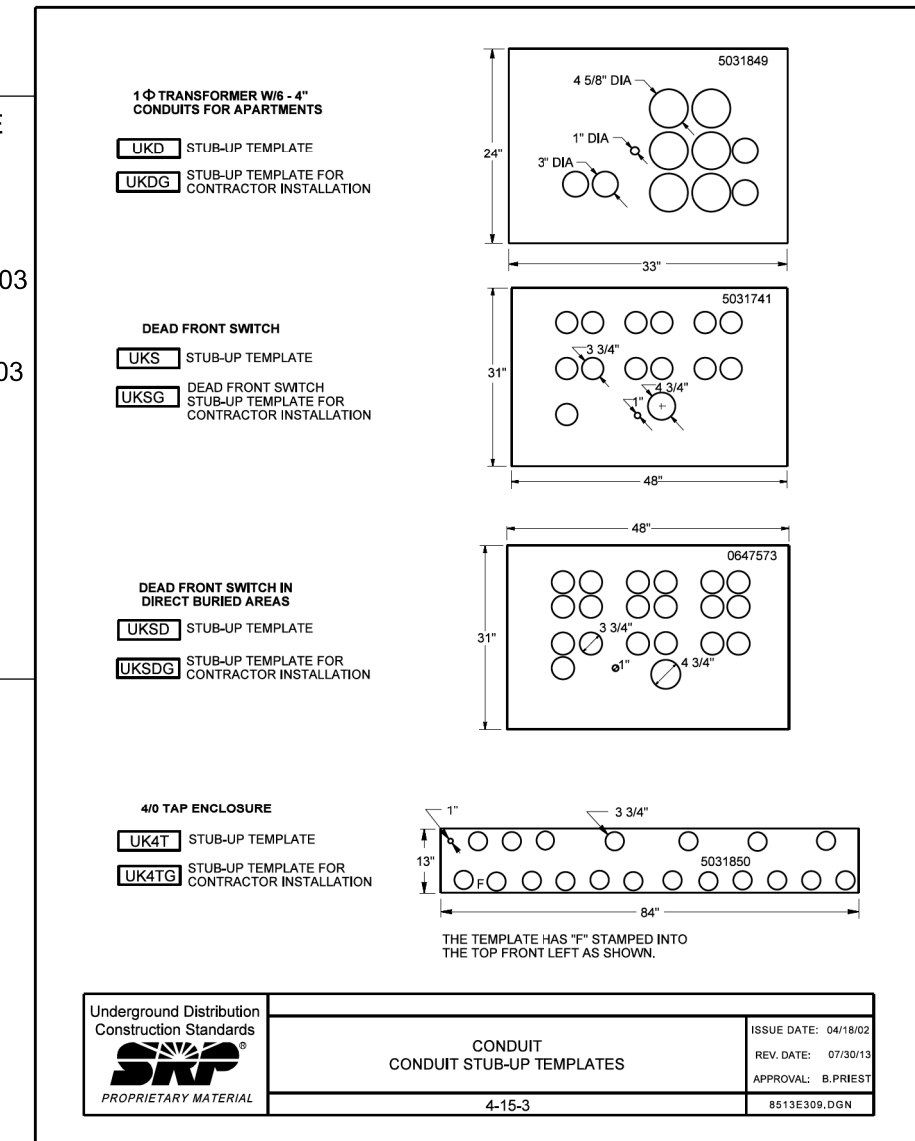
NOTE: SRP CREWS TO CHANGE P0202 FROM C Ø TO B Ø

NOTE: NO SWITCH, STUB UP CONDUIT AND PLATE.

NOTE: NO SWITCH, STUB UP CONDUIT AND PLATE.



**Approved for Construction**  
 Engineer: Robby Flynn 09 May 2024  
 CC: Joe Cordeiro 13 May 2024



### CONTACTS:

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 INSPECTIONS:  
 OFFICE: (602)236-0436  
 CONSTRUCTION CONSULTANT:  
 JOE CORDERIO  
 MOBILE: (602)402-0858

NATURAL GAS YES  NO

JOB NAME CUS UE BA CHANDLER HEIGHTS RD IMPROV - GILBERT RD TO VAL VISTA DR CONV. Call 811 or call Arizona 811 before you dig

ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR

CONTACT CITY OF CHANDLER - DENNIS AUST PHONE 480-782-3315

BILLING ACCT NO. \_\_\_\_\_

FIS JO \_\_\_\_\_ MAP 1/4NE S 29 T 2S R 6E

40/ACRE YF-29-02 COORDS 31 7/8 E - 10 1/16 S

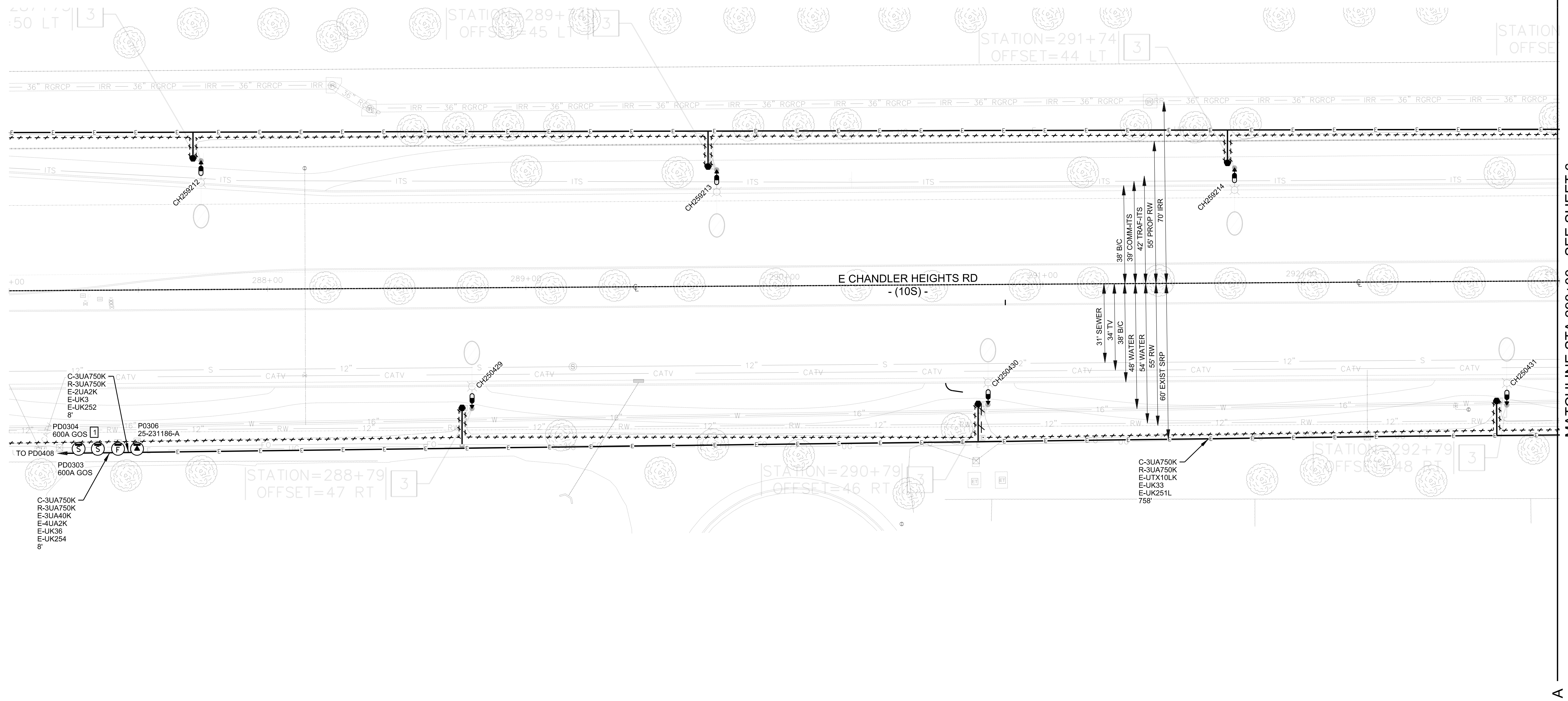
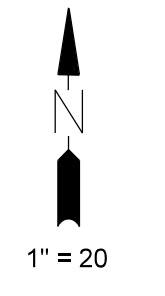
AMP WO T3129125 AMP VERSION \_\_\_\_\_

COST CENTER 22660 ROUTING CODE DD1.5CSI+0

ISSUE DATE: 04/10/24  
 REV. DATE: 05/09/24  
 APPROVAL: & FIRST  
 001180  
 001180

FIELD INSTALLATION STAMP

# MAINLINE



MATCHLINE STA:293+00 - SEE SHEET 6

C-3UA750K  
R-3UA750K  
E-3UA2K  
E-UK3  
E-UK252  
8'

PD0304  
600A GOS

PD0303  
600A GOS

C-3UA750K  
R-3UA750K  
E-3UA40K  
E-4UA2K  
E-UK36  
E-UK254  
8'

STATION=288+79  
OFFSET=47 RT

STATION=290+79  
OFFSET=46 RT

STATION=291+74  
OFFSET=44 LT

STATION  
OFFSE

31" SEWER  
34" TV  
38" B/C  
38" COMM-ITS  
42" TRAF-ITS  
48" WATER  
54" RW  
55" PROP RW  
60" EXIST SRP  
70" IRR

C-3UA750K  
R-3UA750K  
E-UK10LK  
E-UK33  
E-UK251L  
758'

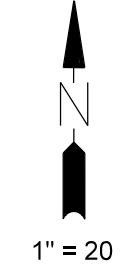
**CONTACTS:**  
DESIGN CONSULTANT:  
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MOBILE:(602)679-9446  
PROJECT LEADER:  
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MOBILE:(602)748-6687  
OFFICE:(602)236-0436  
CONSTRUCTION CONSULTANT:  
JOE CORDERIO  
MOBILE:(602)402-0858

NATURAL GAS YES  NO

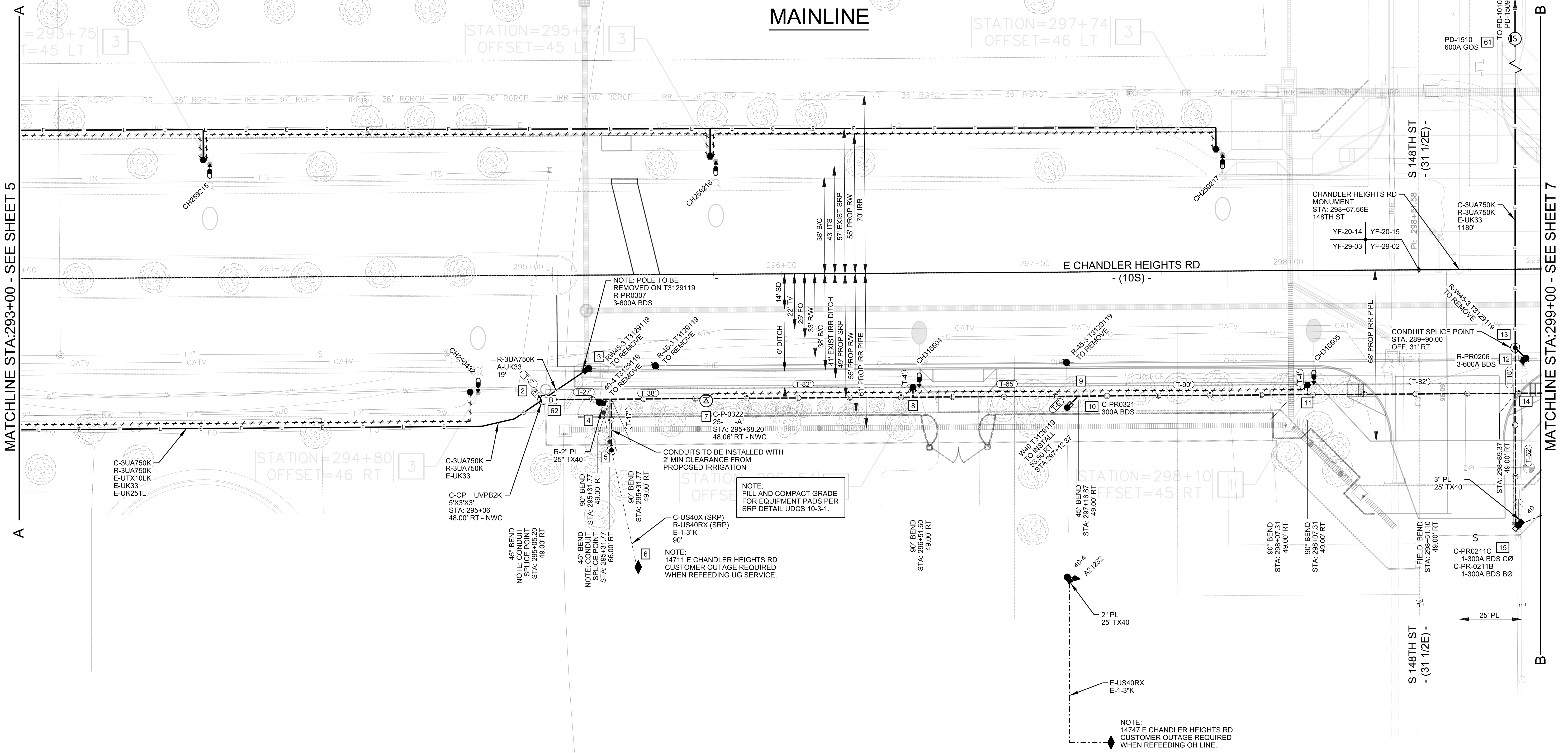
JOB NAME CUS UE BA CHANDLER HEIGHTS RD IMPROV - GILBERT RD TO VAL VISTA DR CONV  
ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR  
CONTACT CITY OF CHANDLER - DENNIS AUST PHONE 480-782-3315  
BILLING ACCT NO. \_\_\_\_\_  
FIS JO \_\_\_\_\_ MAP 1/4NE S 29 T 2S R 6E  
40/ACRE YF-29-02 COORDS 31 7/8 E - 10 1/16 S  
AMP WO T3129125 AMP VERSION \_\_\_\_\_  
COST CENTER 22660  
ROUTING CODE DD1.5CSI+0

FIELD INSTALLATION STAMP

SHEET NUMBER 5 OF 14



# MAINLINE



MATCHLINE STA: 293+00 - SEE SHEET 5

MATCHLINE STA: 299+00 - SEE SHEET 7

### CONTACTS:

DESIGN CONSULTANT:  
 MELISSA MONTEFALCON  
 OFFICE: (602)236-6857  
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 OFFICE: (602)236-0436

CONSTRUCTION CONSULTANT:  
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 MOBILE: (602)402-0858

NATURAL GAS YES  NO

JOB NAME CUS UE BA CHANDLER HEIGHTS RD IMPROV - GILBERT RD TO VAL VISTA DR CONV. Call 811 or click Arizona11.com

ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR

CONTACT CITY OF CHANDLER - DENNIS AUST PHONE 480-782-3315

BILLING ACCT NO. \_\_\_\_\_

FIS JO \_\_\_\_\_ MAP 1/4NE S 29 T 2S R 6E

40/ACRE YF-29-02 COORDS 31 7/8 E - 10 1/16 S

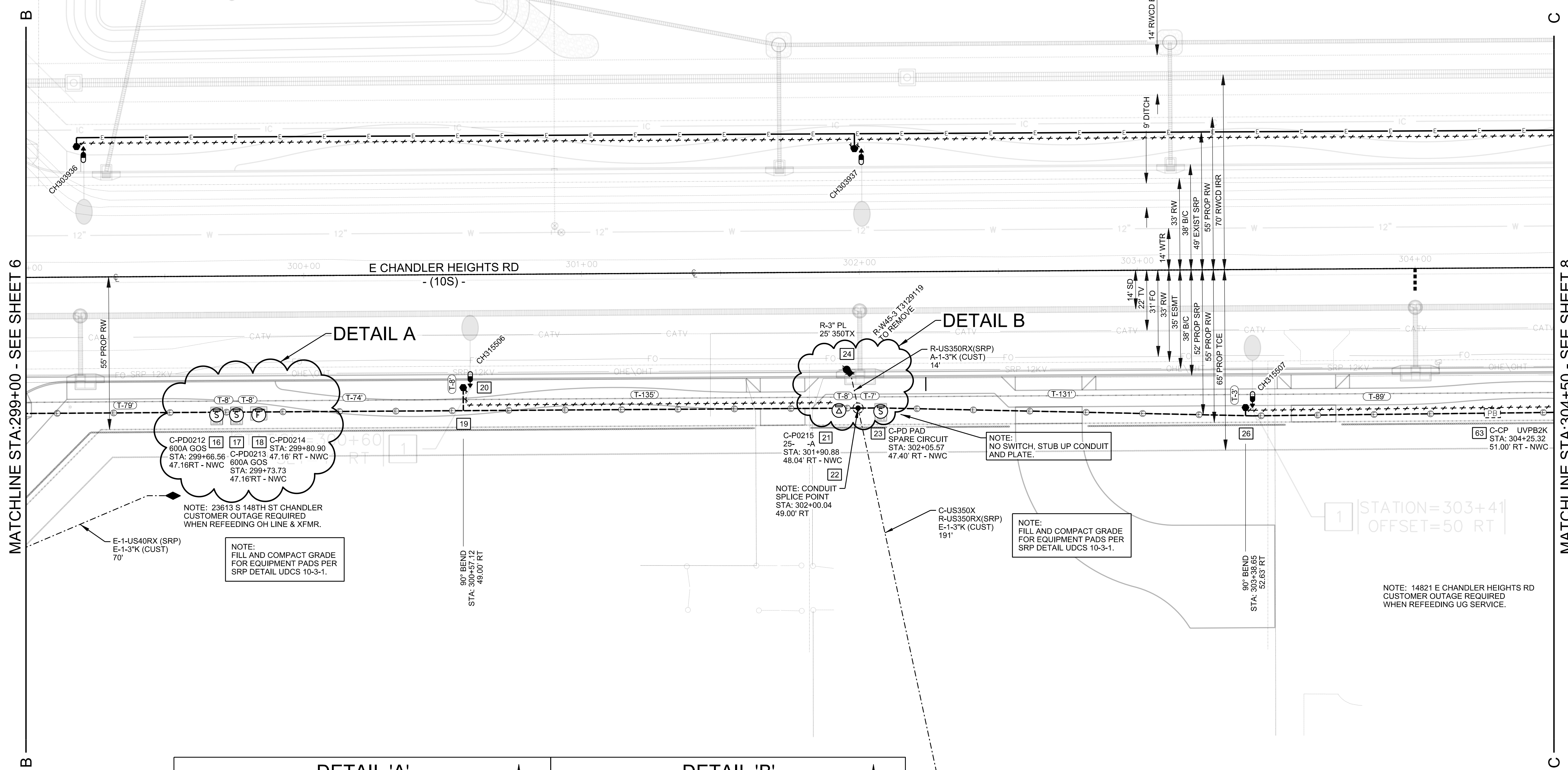
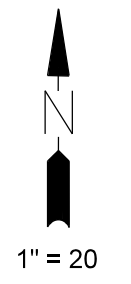
AMP WO T3129125 AMP VERSION \_\_\_\_\_

COST CENTER 22660

ROUTING CODE DD1.5CSI+0

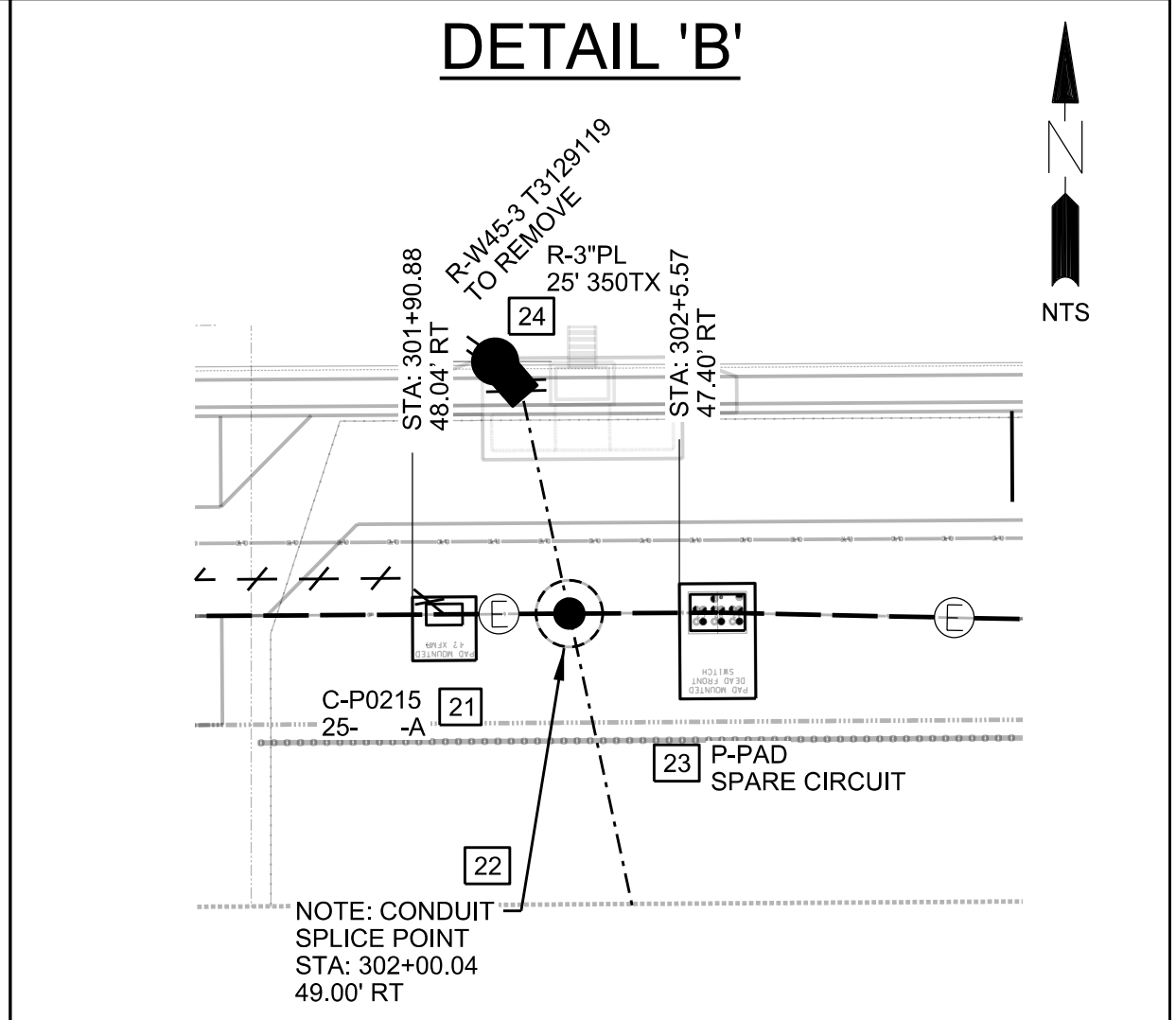
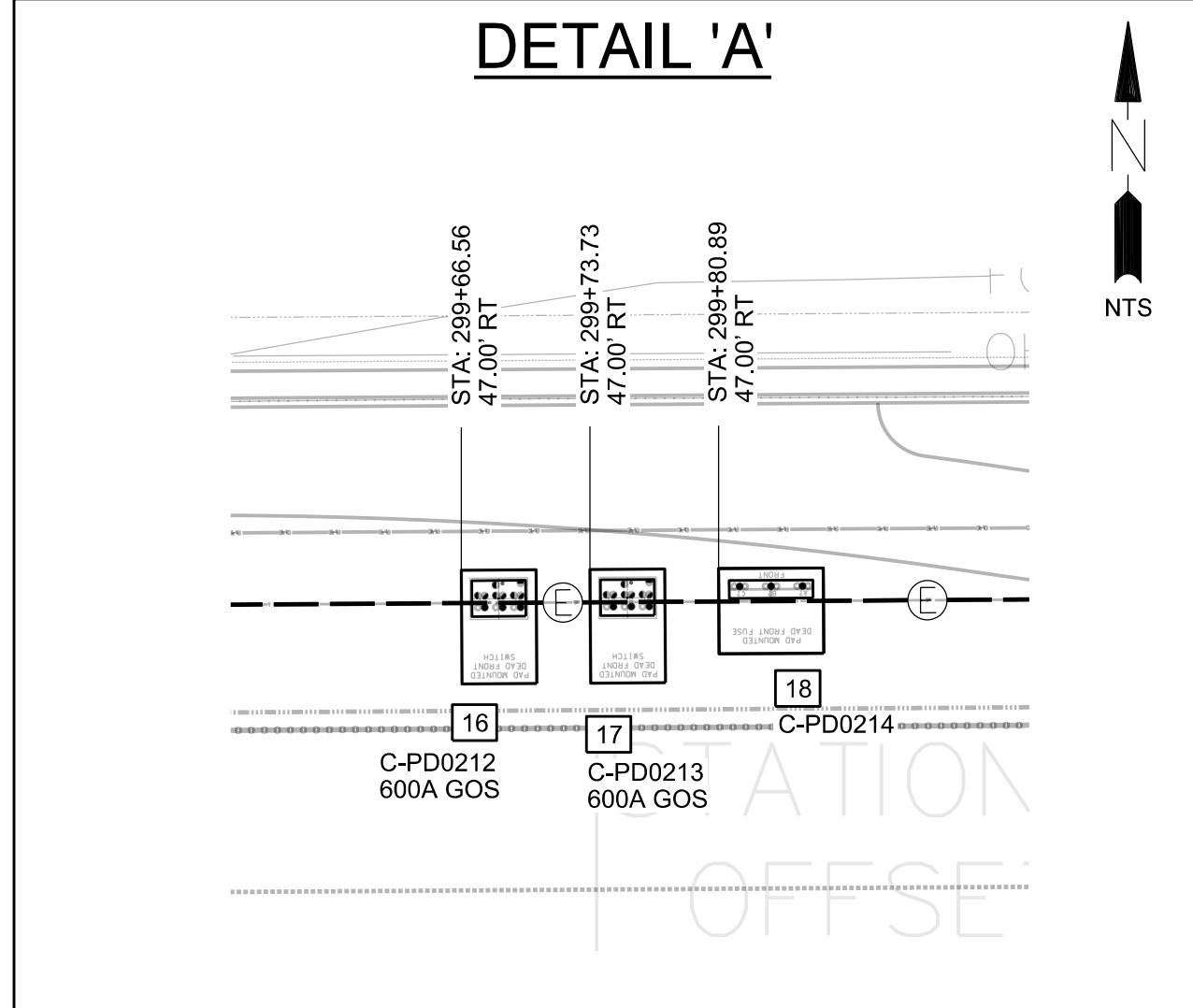
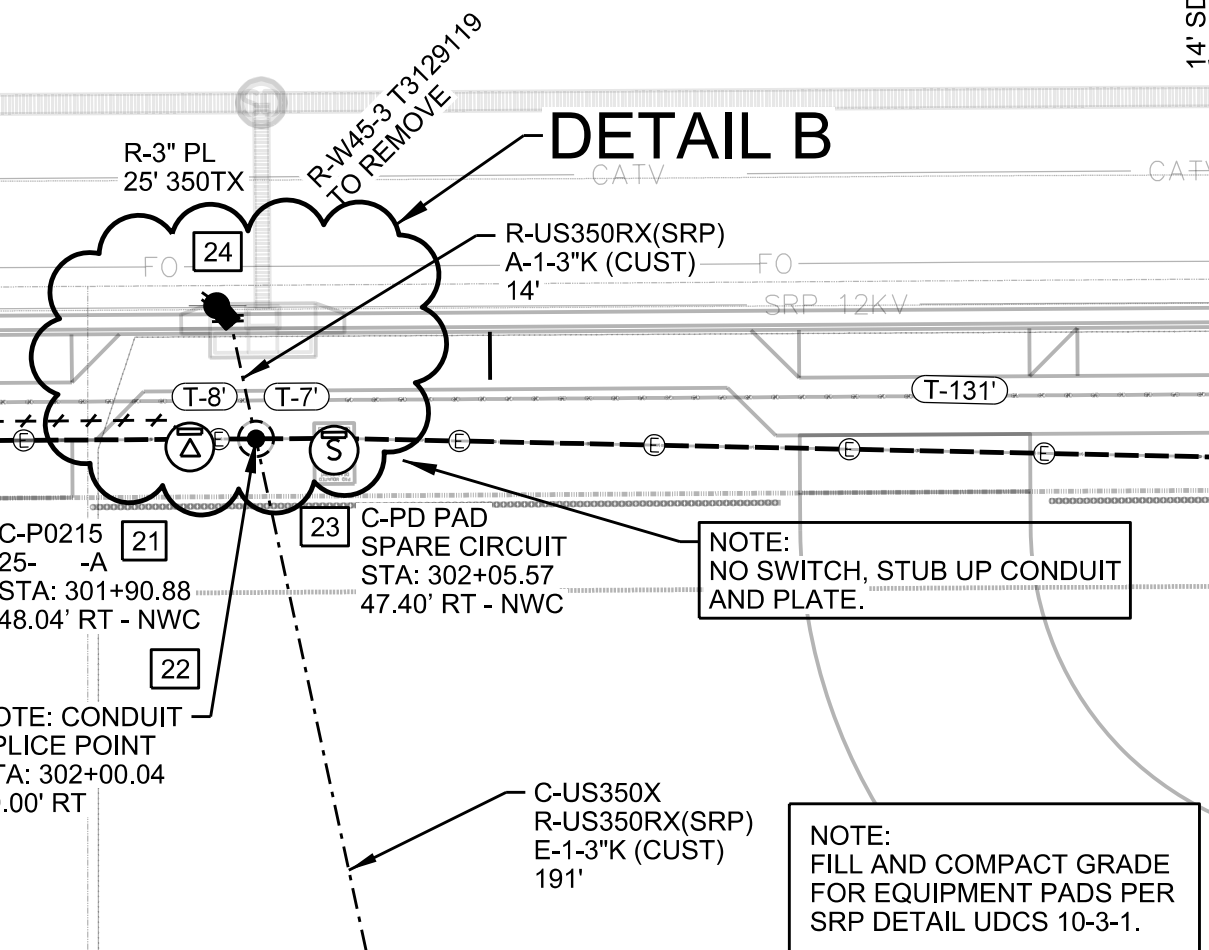
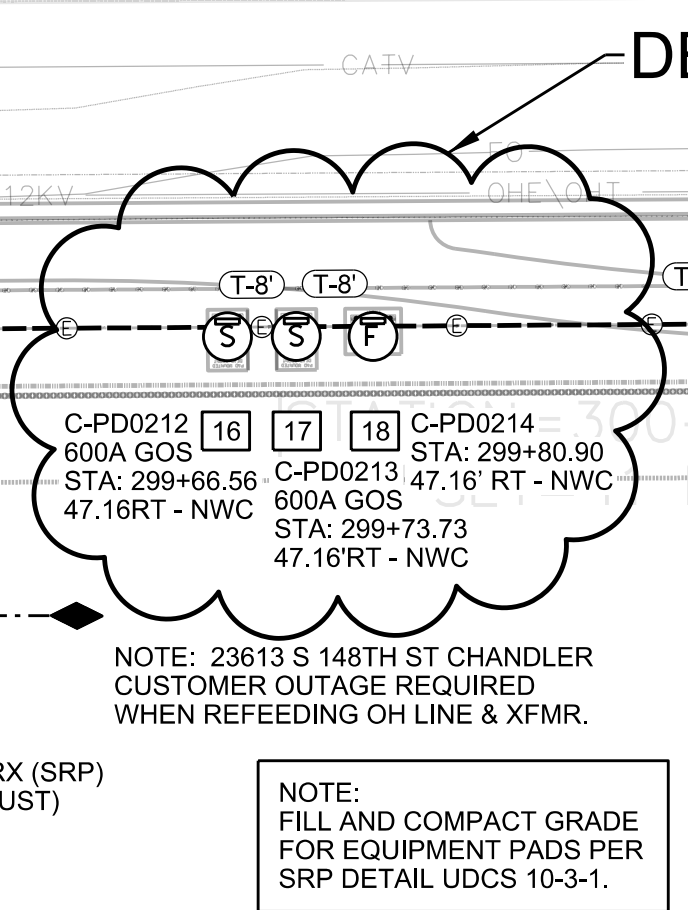
FIELD INSTALLATION STAMP

# MAINLINE



MATCHLINE STA: 299+00 - SEE SHEET 6

MATCHLINE STA: 304+50 - SEE SHEET 8



CABINET DIMENSIONS ARE APPROXIMATE AS THEY VARY BY MANUFACTURER

UFAD THRU UFA60

---

DEAD FRONT FUSING ENCLOSURE  
PAD DIMENSIONS 70" W X 57" D

CABINET DIMENSIONS ARE APPROXIMATE AS THEY VARY BY MANUFACTURER

UX64-UX67

---

SINGLE PHASE TRANSFORMER  
PAD DIMENSIONS 42" W X 42" D

CABINET DIMENSIONS ARE APPROXIMATE AS THEY VARY BY MANUFACTURER

UF10 THRU UF107C

---

DEAD FRONT SWITCHING ENCLOSURE  
PAD DIMENSIONS 4' 2" W X 6' 4" D

**CONTACTS:**  
 DESIGN CONSULTANT:  
 MELISSA MONTEFALCON  
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 PROJECT LEADER:  
 ANTHONY LAWRENCE  
 MOBILE: (602) 748-6687  
 INSPECTIONS:  
 OFFICE: (602) 236-0436  
 CONSTRUCTION CONSULTANT:  
 JOE CORDERIO  
 MOBILE: (602) 402-0858

NATURAL GAS YES  NO

JOB NAME CUS UE BA CHANDLER HEIGHTS RD IMPROV - GILBERT RD TO VAL VISTA DR CONV

ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR

CONTACT CITY OF CHANDLER - DENNIS AUST PHONE 480-782-3315

BILLING ACCT NO. \_\_\_\_\_

FIS JO \_\_\_\_\_ MAP 1/4 NE S 29 T 2S R 6E

40/ACRE YF-29-02 COORDS 31 7/8 E - 10 1/16 S

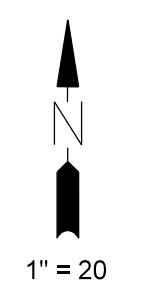
AMP WO T3129125 AMP VERSION \_\_\_\_\_

COST CENTER 22660

ROUTING CODE DD1.5CSI+0

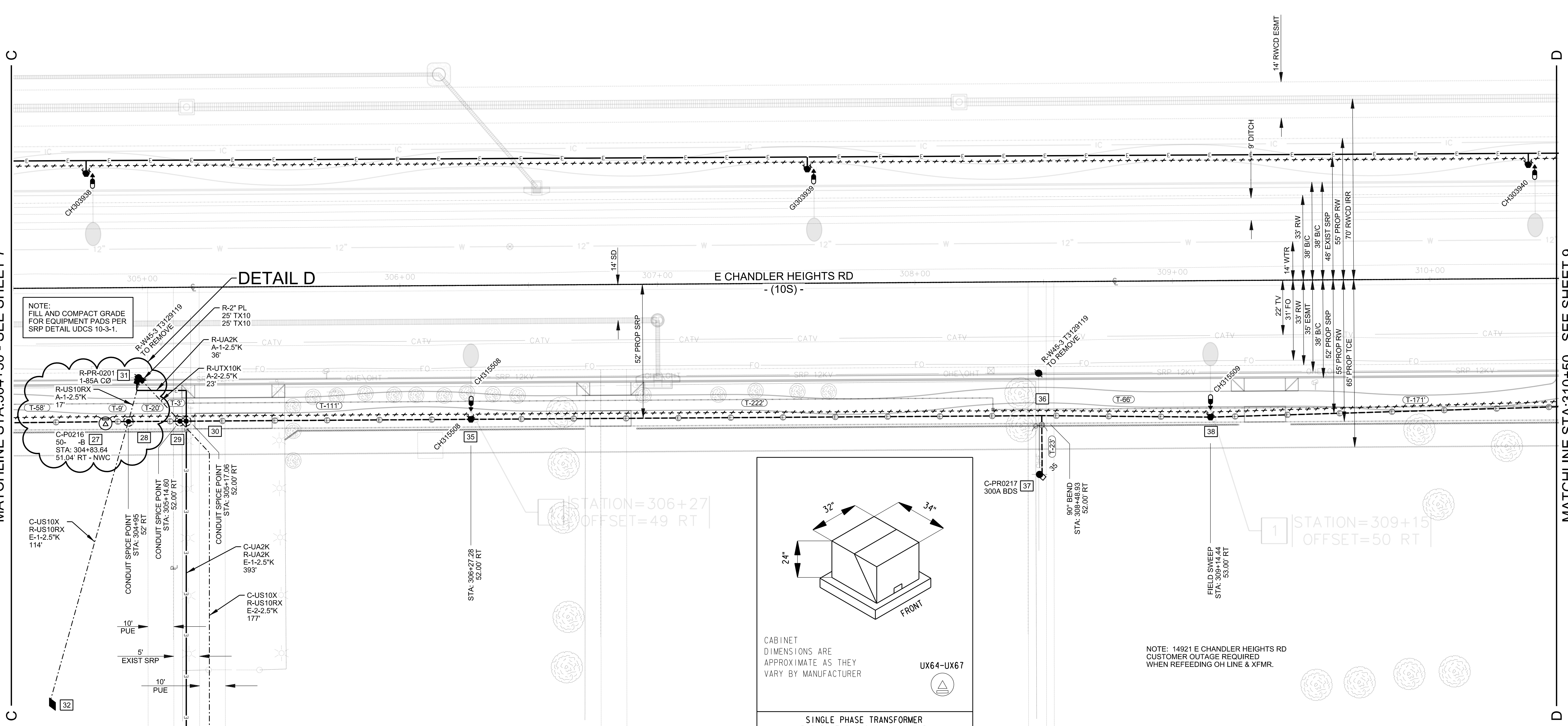
SHEET NUMBER 7 OF 14

# MAINLINE



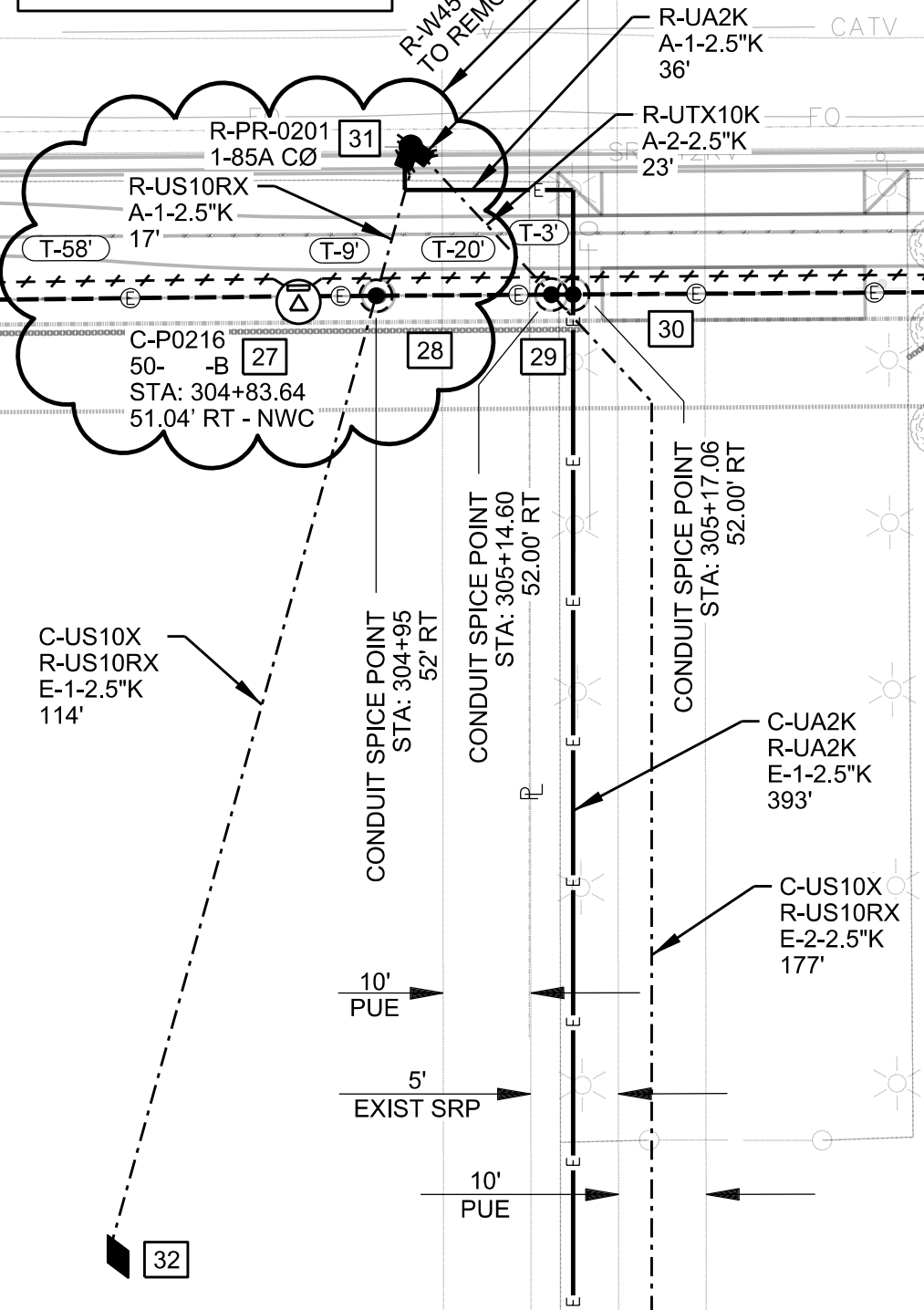
MATCHLINE STA:304+50 - SEE SHEET 7

MATCHLINE STA:310+50 - SEE SHEET 9



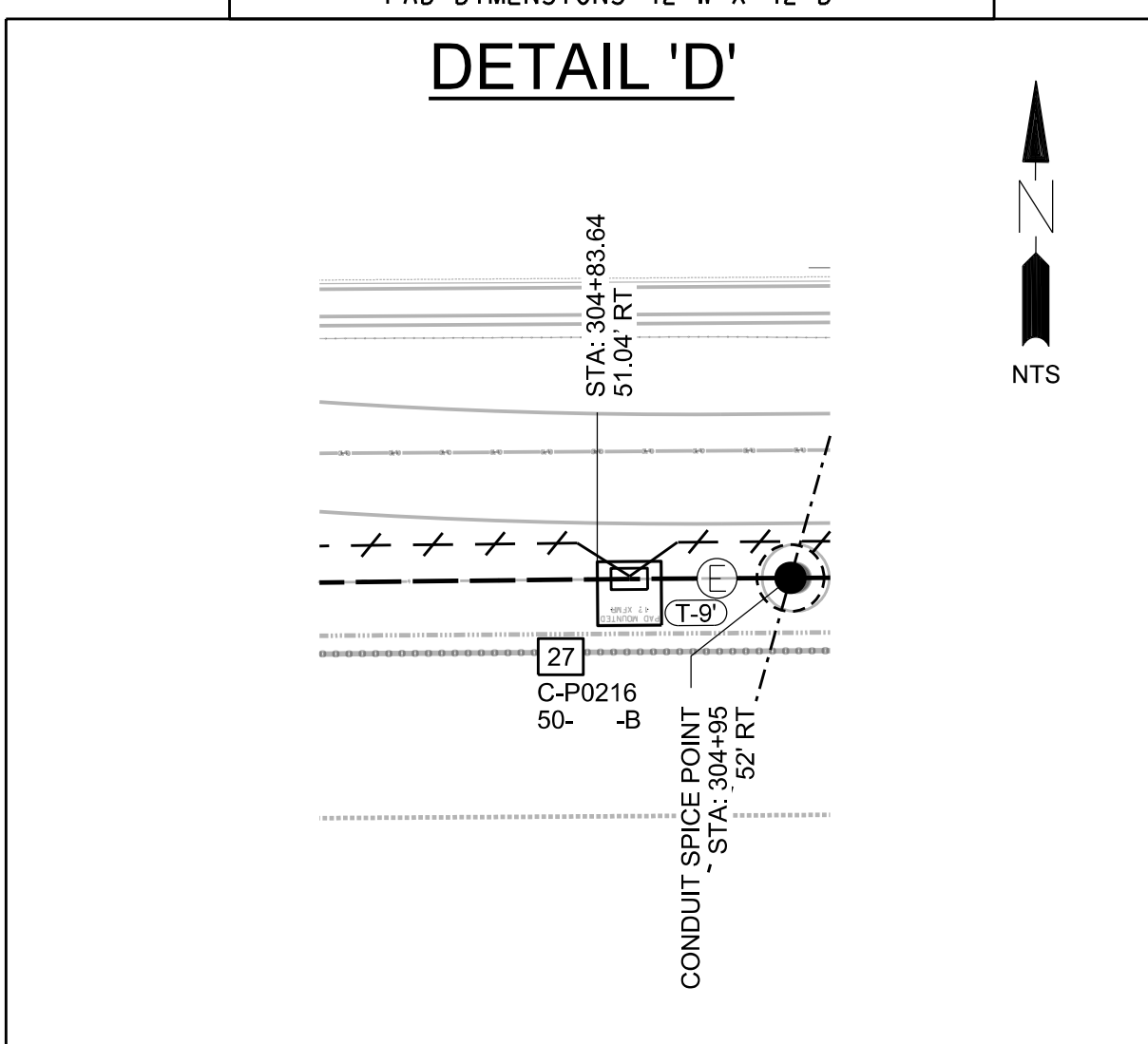
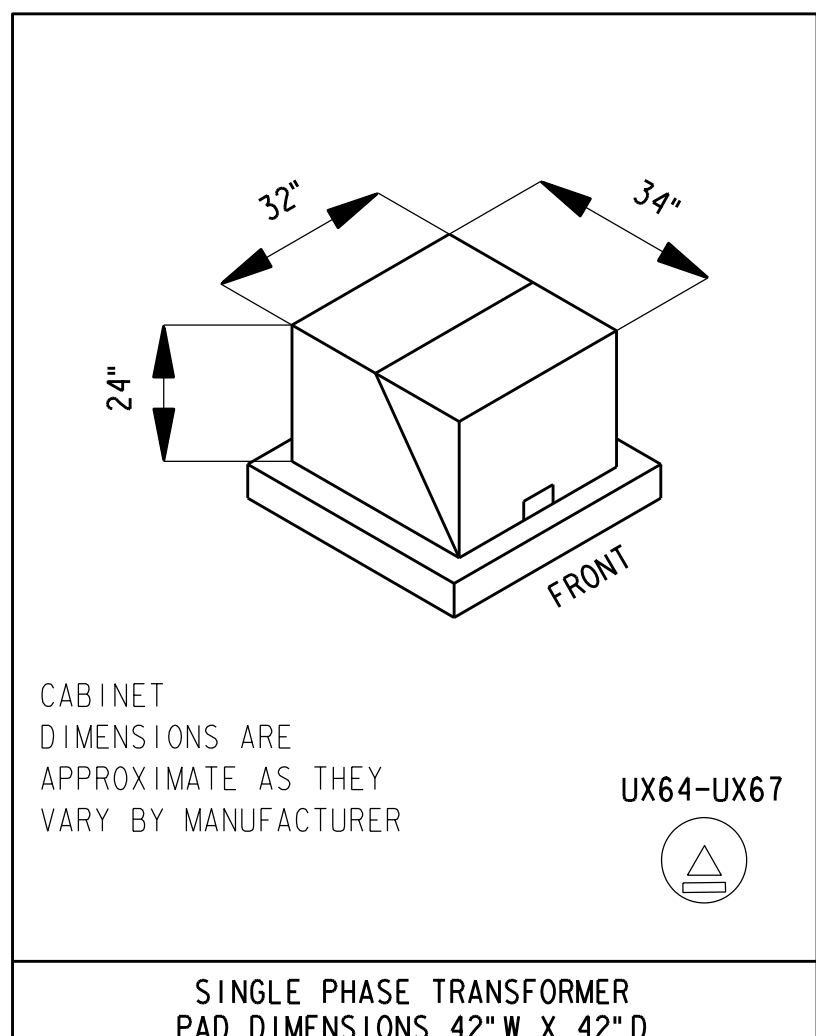
## DETAIL D

NOTE:  
FILL AND COMPACT GRADE  
FOR EQUIPMENT PADS PER  
SRP DETAIL UDCS 10-3-1.



NOTE: 14821 E CHANDLER HEIGHTS RD  
CUSTOMER OUTAGE REQUIRED  
WHEN REFEEDING UG SERVICE.

NOTE: 14911 E CHANDLER HEIGHTS RD  
CUSTOMER OUTAGE REQUIRED  
WHEN REFEEDING UG SERVICE.



STATION=309+15  
OFFSET=50 RT

NOTE: 14921 E CHANDLER HEIGHTS RD  
CUSTOMER OUTAGE REQUIRED  
WHEN REFEEDING OH LINE & XFMR.

### CONTACTS:

DESIGN CONSULTANT:  
MELISSA MONTEFALCON  
OFFICE: (602)236-6857  
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PROJECT LEADER:  
ANTHONY LAWRENCE  
MOBILE: (602)748-6687  
INSPECTIONS:  
OFFICE: (602)236-0436  
CONSTRUCTION CONSULTANT:  
JOE CORDERIO  
MOBILE: (602)402-0858

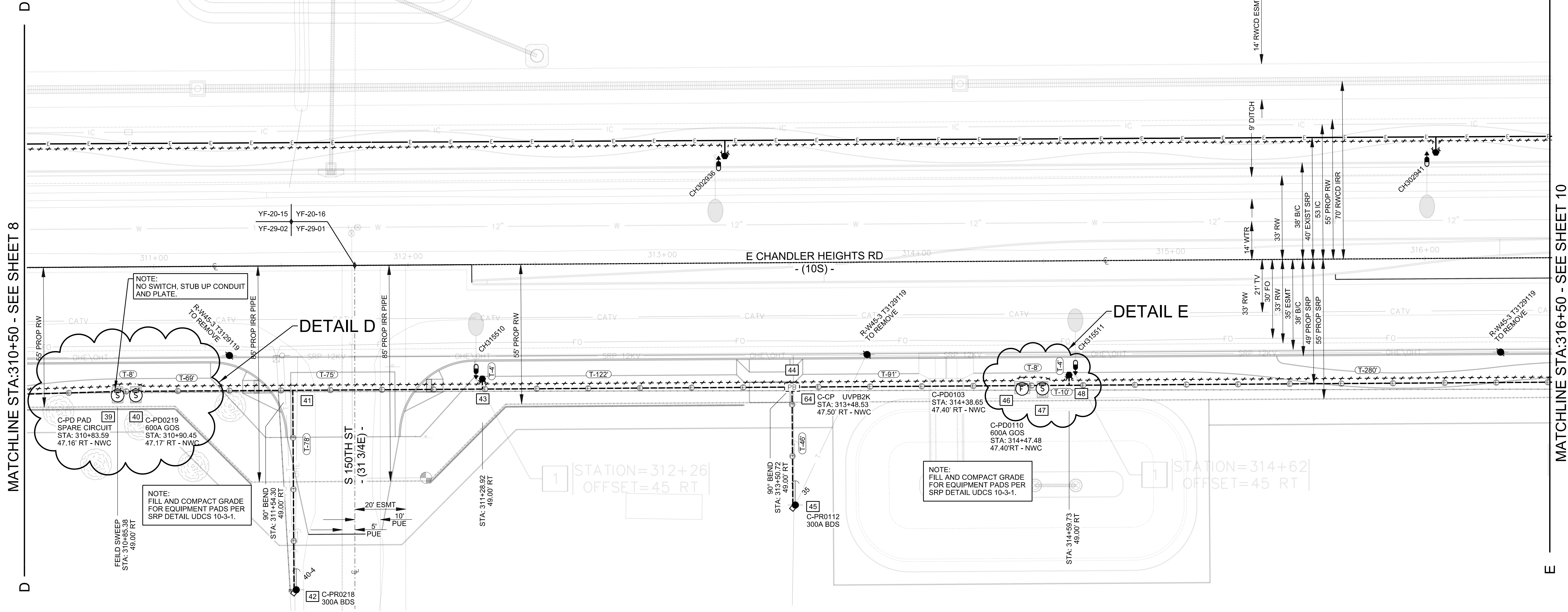
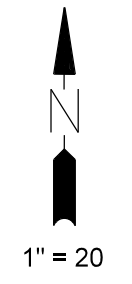
NATURAL GAS YES  NO

JOB NAME CUS UE BA CHANDLER HEIGHTS RD IMPROV - GILBERT RD TO VAL VISTA DR  
ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR  
CONTACT CITY OF CHANDLER - DENNIS AUST PHONE 480-782-3315  
BILLING ACCT NO. \_\_\_\_\_  
FIS JO \_\_\_\_\_ MAP 1/4NE S 29 T 2S R 6E  
40/ACRE YF-29-02 COORDS 31 7/8 E - 10 1/16 S  
COST CENTER 22660 AMP VERSION \_\_\_\_\_  
ROUTING CODE DD1.5CSI+0

FIELD INSTALLATION STAMP



MAINLINE



MATCHLINE STA: 310+50 - SEE SHEET 8

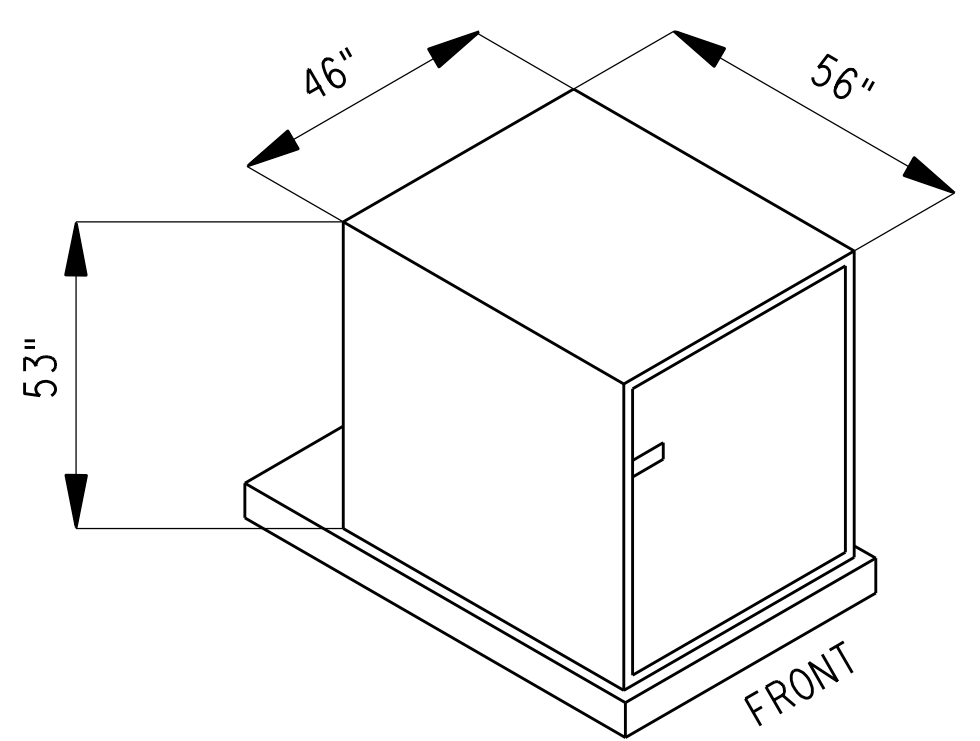
MATCHLINE STA: 316+50 - SEE SHEET 10

NOTE: NO SWITCH, STUB UP CONDUIT AND PLATE.

NOTE: FILL AND COMPACT GRADE FOR EQUIPMENT PADS PER SRP DETAIL UDCS 10-3-1.

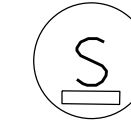
NOTE: FILL AND COMPACT GRADE FOR EQUIPMENT PADS PER SRP DETAIL UDCS 10-3-1.

NOTE: FILL AND COMPACT GRADE FOR EQUIPMENT PADS PER SRP DETAIL UDCS 10-3-1.

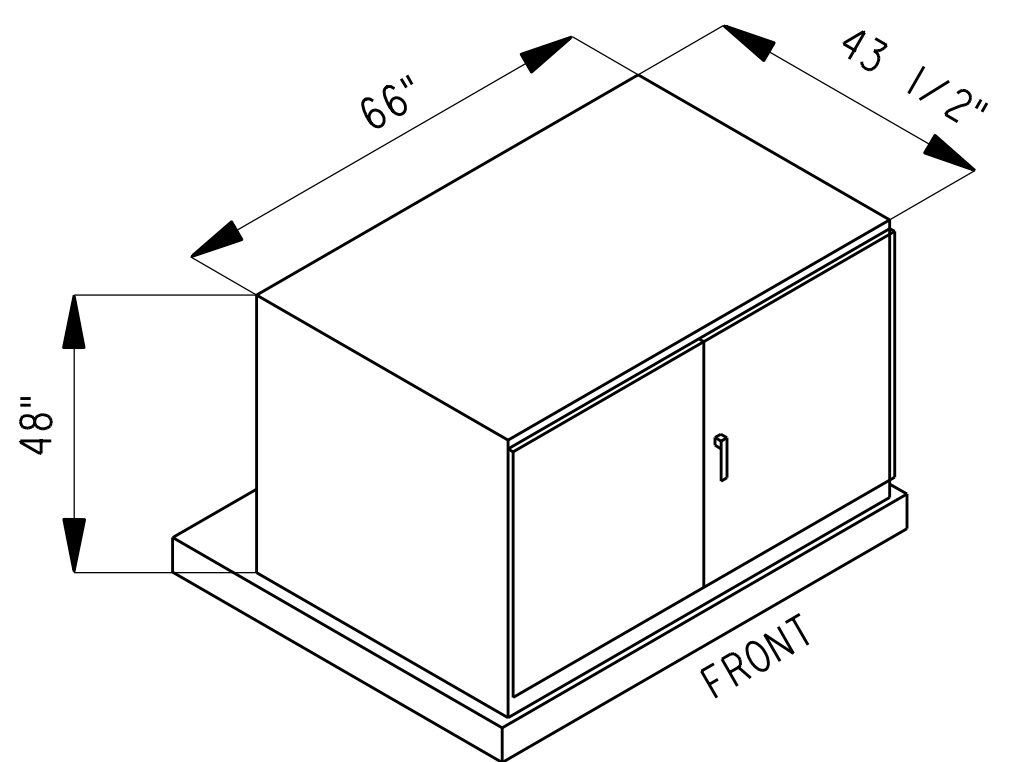


CABINET DIMENSIONS ARE APPROXIMATE AS THEY VARY BY MANUFACTURER

UFD1D THRU UFD1D7C

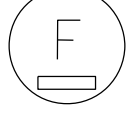


DEAD FRONT SWITCHING ENCLOSURE PAD DIMENSIONS 4' 2" W X 6' 4" D



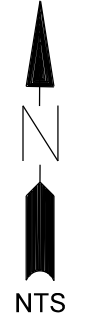
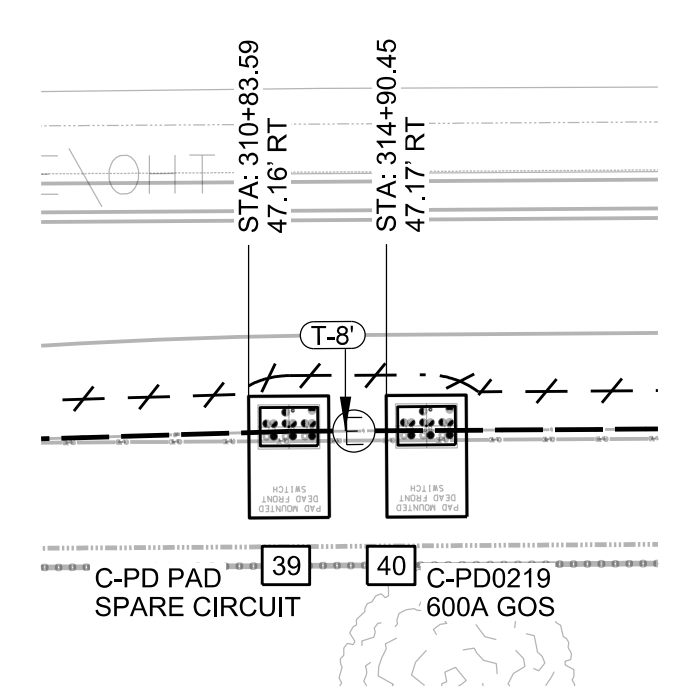
CABINET DIMENSIONS ARE APPROXIMATE AS THEY VARY BY MANUFACTURER

UFAD THRU UFA6D

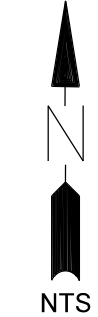
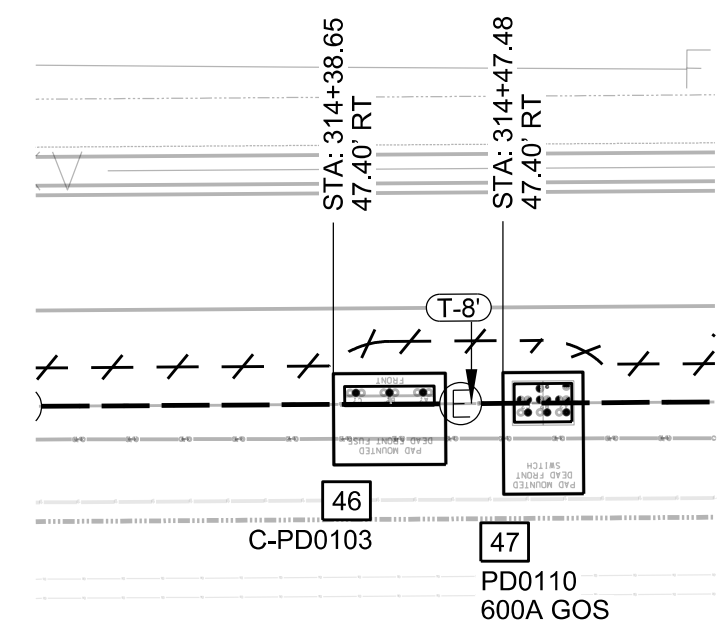


DEAD FRONT FUSING ENCLOSURE PAD DIMENSIONS 70" W X 57" D

DETAIL 'D'



DETAIL 'E'



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 INSPECTIONS:  
 OFFICE: (602) 236-0436  
 CONSTRUCTION CONSULTANT:  
 JOE CORDERIO  
 MOBILE: (602) 402-0858

FIELD INSTALLATION STAMP

NATURAL GAS YES  NO

JOB NAME CUS UE BA CHANDLER HEIGHTS RD IMPROV - GILBERT RD TO VAL VISTA DR CONV. Call before you dig 811 or visit 811.com

ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR

CONTACT CITY OF CHANDLER - DENNIS AUST PHONE 480-782-3315

BILLING ACCT NO. \_\_\_\_\_

FIS JO \_\_\_\_\_ MAP 1/4NE S 29 T 2S R 6E

40/ACRE YF-29-02 COORDS 31 7/8 E - 10 1/16 S

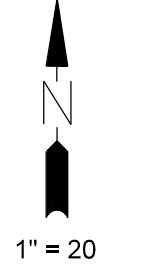
AMP WO T3129125 AMP VERSION \_\_\_\_\_

COST CENTER 22660

ROUTING CODE DD1.5CSI+0

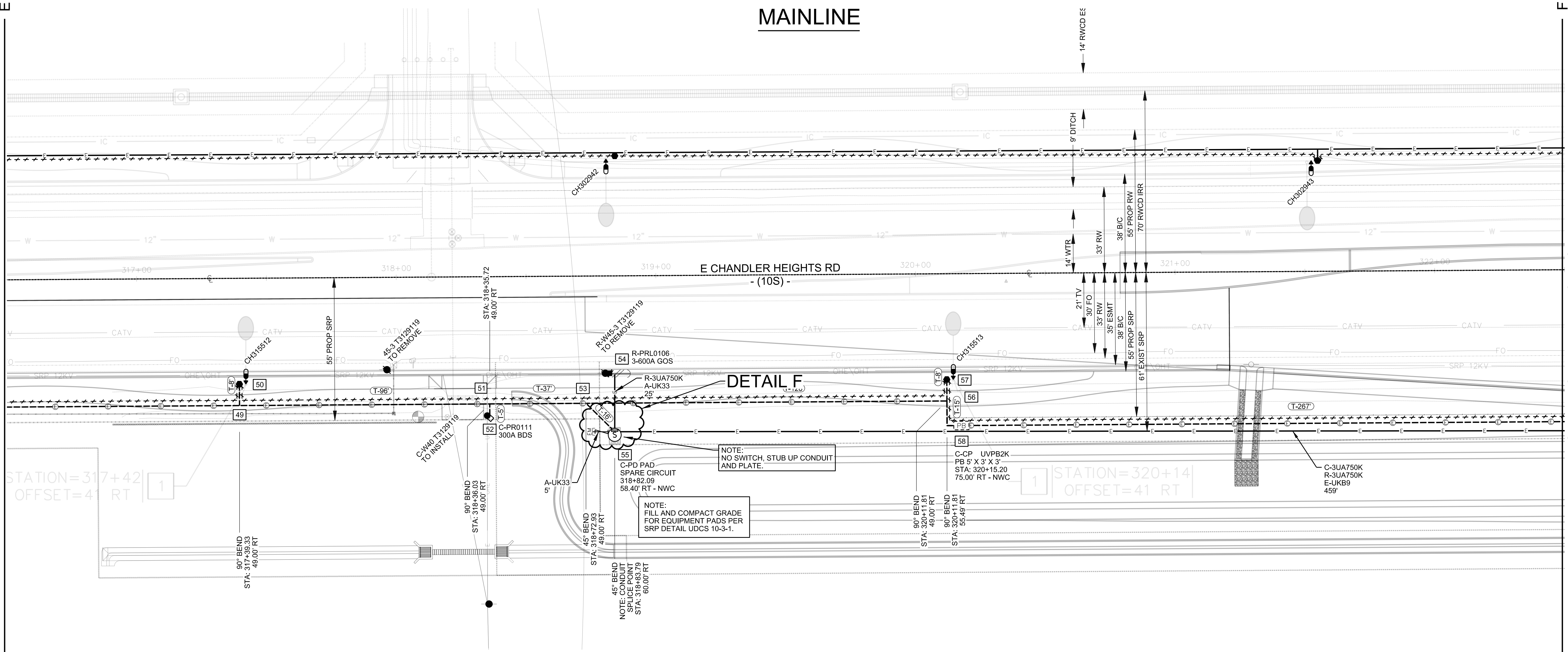
Call 811 or visit 811.com

MAINLINE

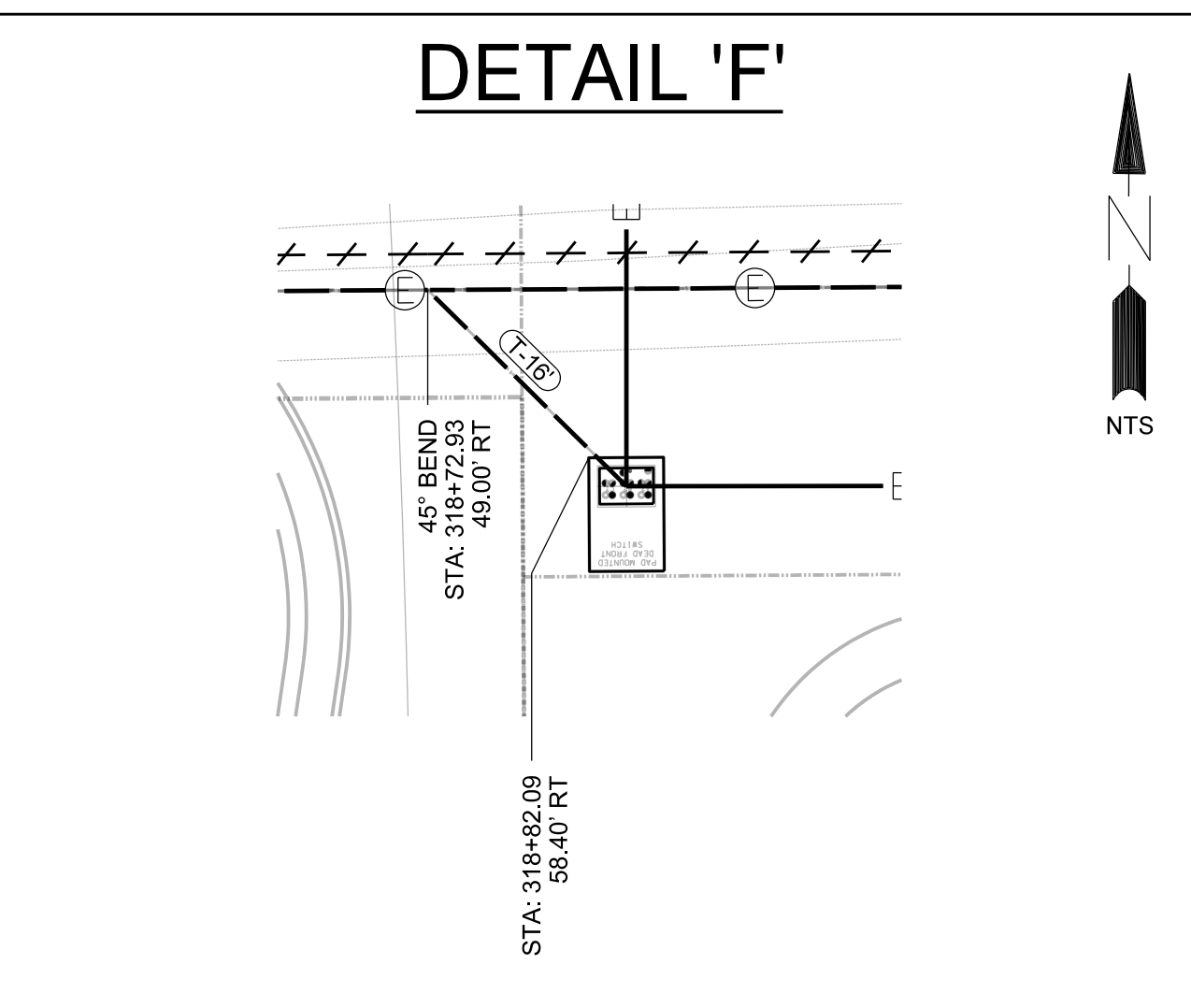
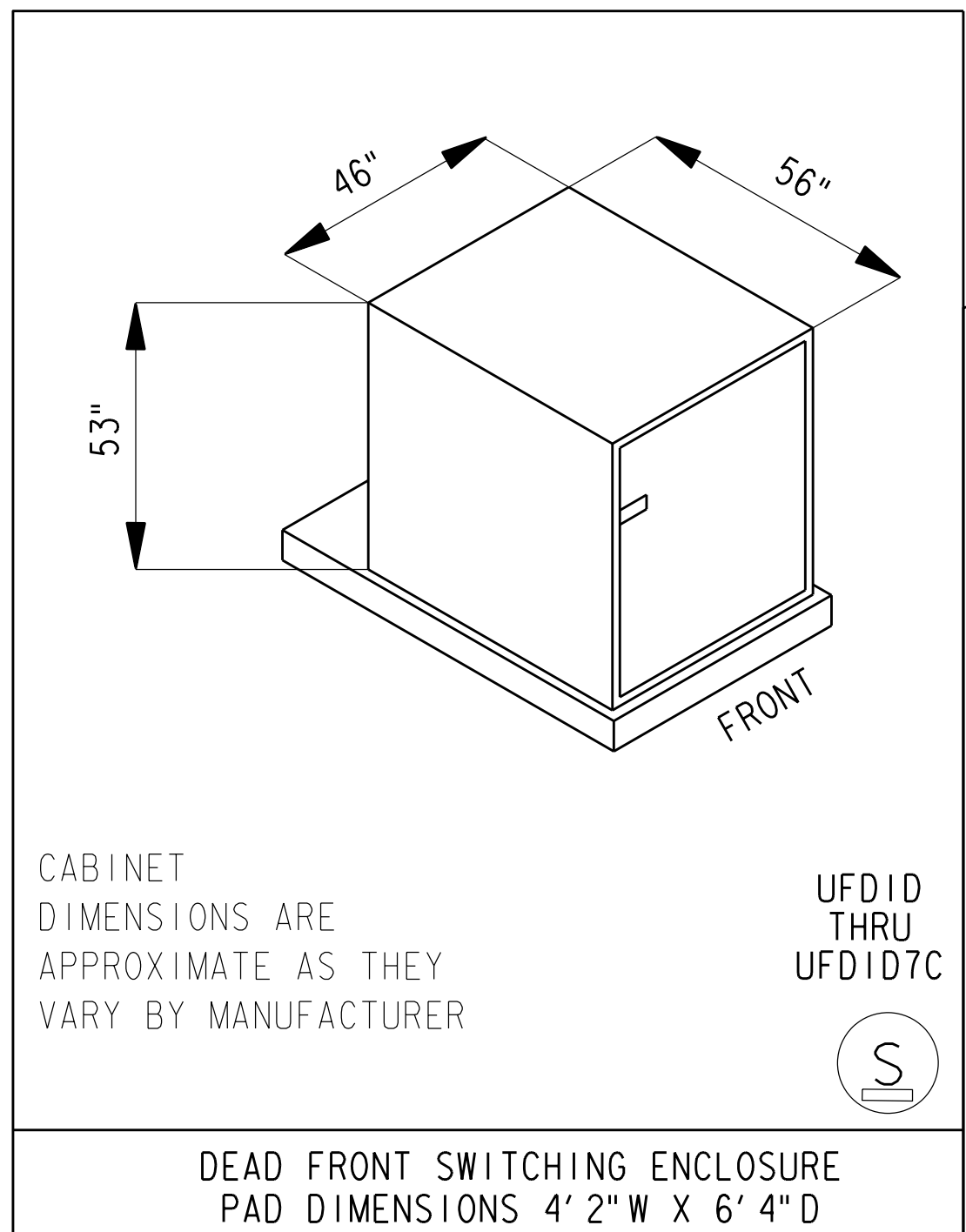


MATCHLINE STA:316+50 - SEE SHEET 9

MATCHLINE STA:322+50 - SEE SHEET 11



DETAIL F



**CONTACTS:**  
 DESIGN CONSULTANT:  
 MELISSA MONTEFALCON  
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 MOBILE: (602)748-6687  
 INSPECTIONS:  
 OFFICE: (602)236-0436  
 CONSTRUCTION CONSULTANT:  
 JOE CORDERIO  
 MOBILE: (602)402-0858

FIELD INSTALLATION STAMP

NATURAL GAS YES  NO

JOB NAME CUS UE BA CHANDLER HEIGHTS RD IMPROV - GILBERT RD TO VAL VISTA DR CONV. © 2019 SRP. All rights reserved. SRP is a registered trademark of SRP. Call 811 or 480-480-4801 for more information.

ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR

CONTACT CITY OF CHANDLER - DENNIS AUST PHONE 480-782-3315

BILLING ACCT NO. \_\_\_\_\_

FIS JO \_\_\_\_\_ MAP 1/4NE S 29 T 2S R 6E

40/ACRE YF-29-02 COORDS 31 7/8 E - 10 1/16 S

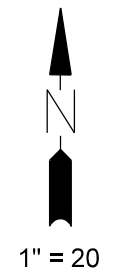
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COST CENTER 22660

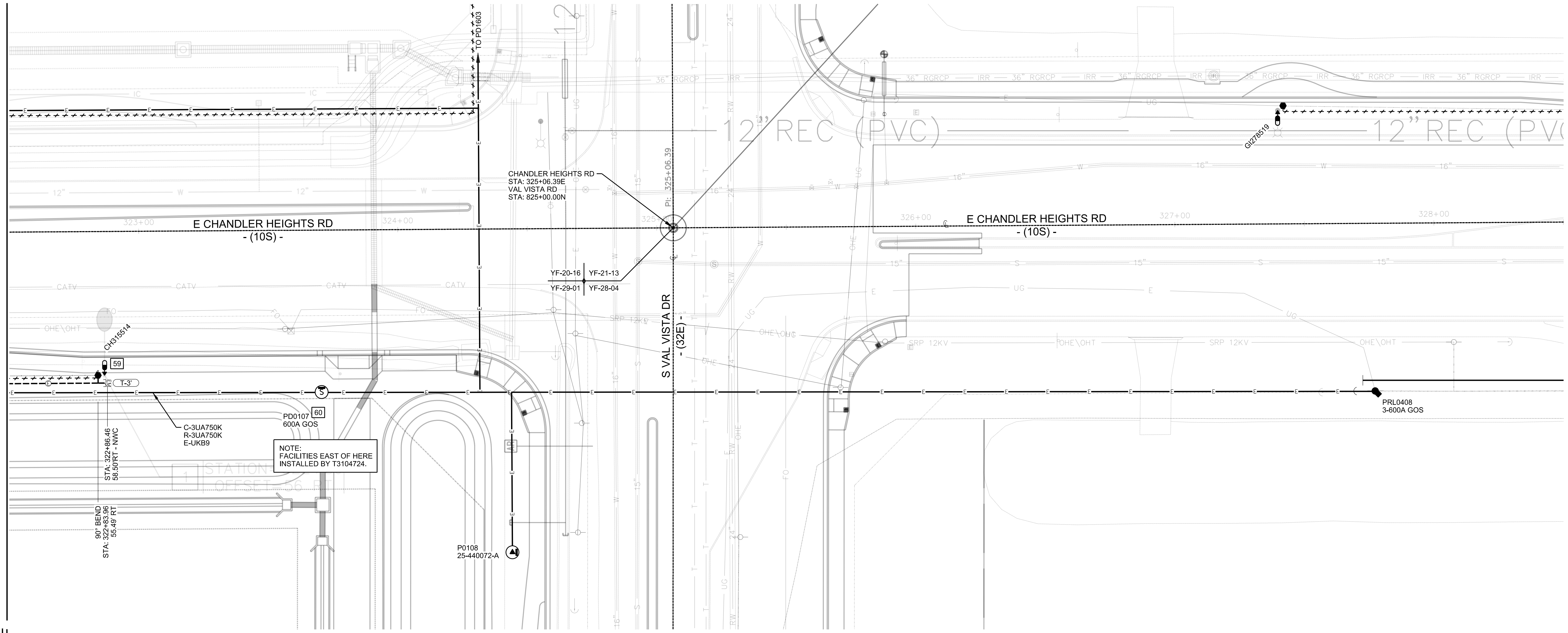
ROUTING CODE DD1.5CSI+0

SHEET NUMBER 10 OF 14

**MAINLINE**



MATCHLINE STA: 322+50 - SEE SHEET 10



CHANDLER HEIGHTS RD  
STA: 325+08.39E  
VAL VISTA RD  
STA: 825+00.00N

YF-20-16 YF-21-13  
YF-29-01 YF-28-04

S VAL VISTA DR  
-(32E)-

90° BEND  
STA: 322+83.96  
55.49 RT

C-3UA750K  
R-3UA750K  
E-UKB9

NOTE:  
FACILITIES EAST OF HERE  
INSTALLED BY T3104724.

PD0107  
600A GOS

P0108  
25-440072-A

PRL0408  
3-600A GOS

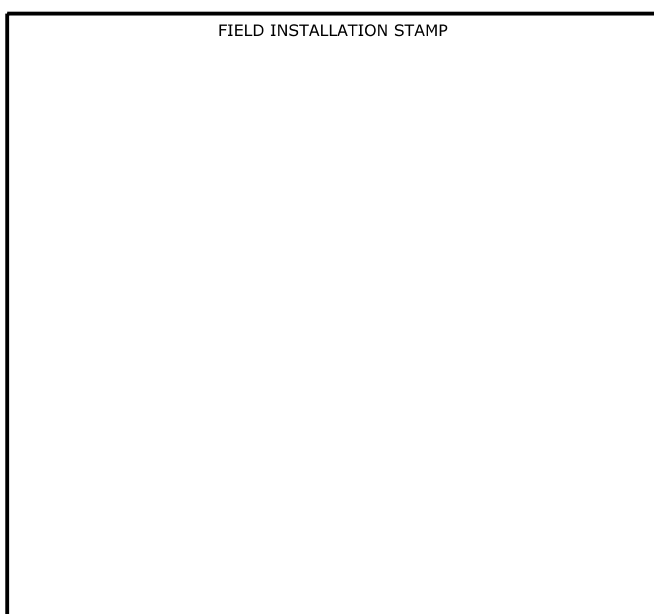
**CONTACTS:**

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ANTHONY LAWRENCE  
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MOBILE: (602)748-6687  
  
CONSTRUCTION CONSULTANT:  
JOE CORDERIO  
OFFICE: (602)402-0858  
MOBILE: (602)402-0858

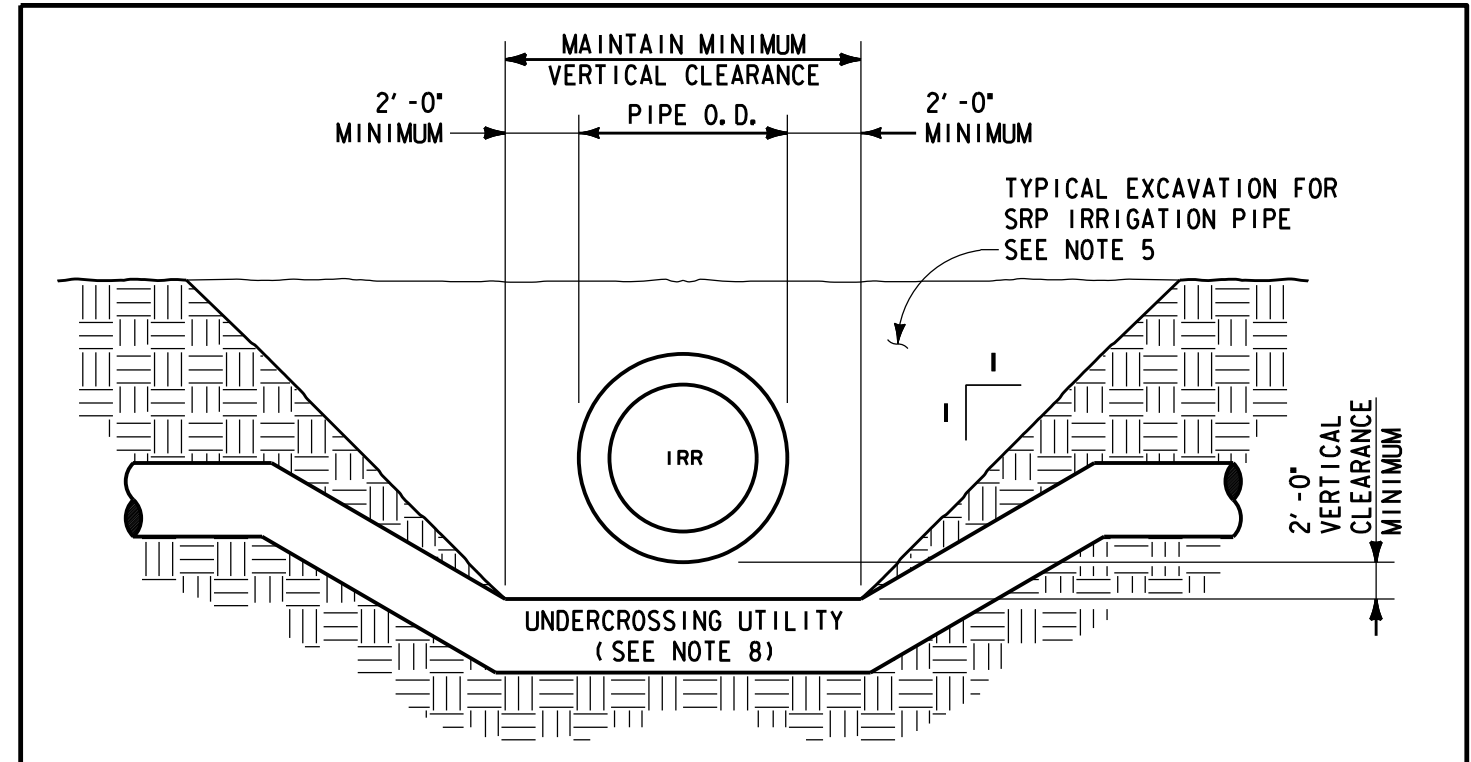
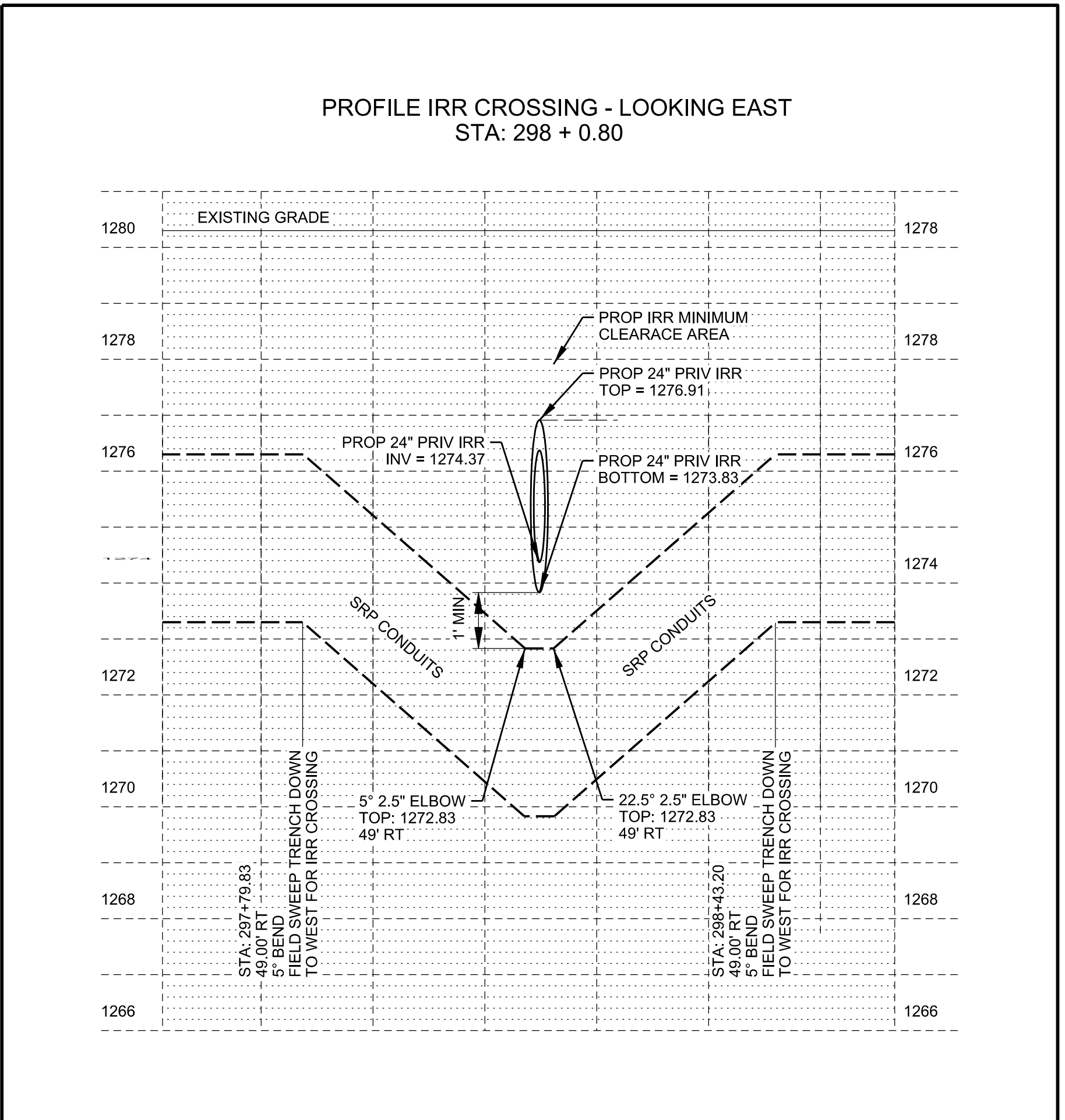
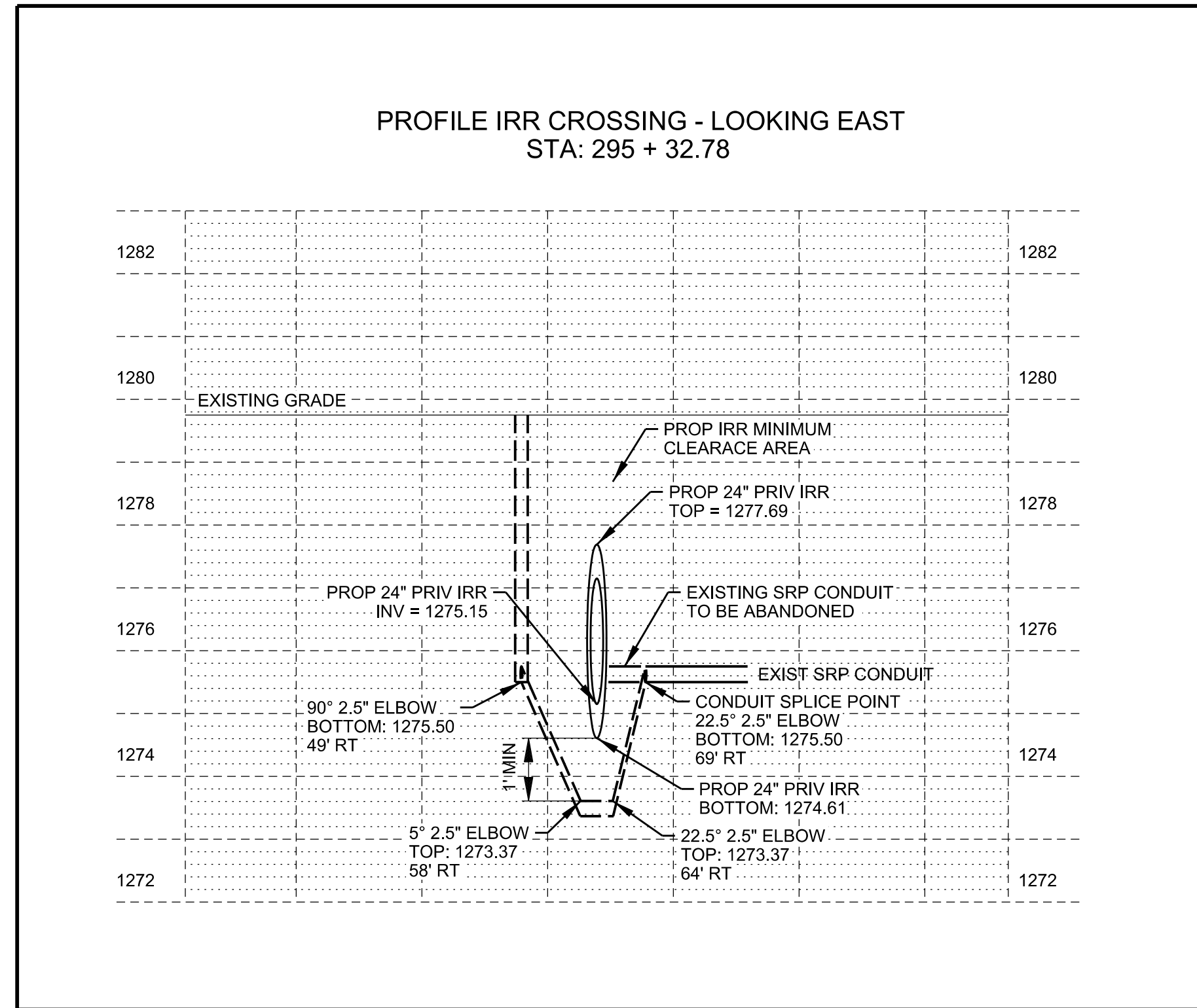
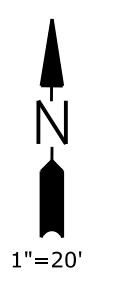
NATURAL GAS YES  NO

JOB NAME CUS UE BA CHANDLER HEIGHTS RD IMPROV - GILBERT RD TO VAL VISTA DR CONV  
ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR  
CONTACT CITY OF CHANDLER - DENNIS AUST PHONE 480-782-3315  
BILLING ACCT NO. \_\_\_\_\_  
FIS JO \_\_\_\_\_ MAP 1/4NE S 29 T 2S R 6E  
40/ACRE YF-29-02 COORDS 31 7/8 E - 10 1/16 S  
AMP WO T3129125 AMP VERSION \_\_\_\_\_  
COST CENTER 22660  
ROUTING CODE DD1.5CSI+0

SHEET NUMBER 11 OF 14



# HOLD FOR DETAILS



PIPELINE - UTILITY CROSSING

**NOTES**

- OVERCROSSINGS OF SRP IRRIGATION PIPE ARE REVIEWED ON A CASE-BY-CASE BASIS, EXCEPT FOR THOSE CASES SPECIFICALLY IDENTIFIED BELOW. OVERCROSSINGS ARE TYPICALLY NOT ALLOWED.
- MAINTAIN MINIMUM 6" CLEARANCE BETWEEN SRP IRRIGATION PIPE AND OVERCROSSING ELECTRICAL CABLE/CONDUIT 1" DIA. OR LESS.
- MAINTAIN MINIMUM 12" CLEARANCE BETWEEN SRP IRRIGATION PIPE AND CLOSEST POINT OF OVERCROSSING SCOPPER. SCOPPER SHALL CONFORM TO MAG STANDARD DETAIL 203 OR 206.
- UTILITIES PARALLEL TO SRP IRRIGATION PIPE ARE REVIEWED ON A CASE-BY-CASE BASIS. LOCATE PARALLEL UTILITY OUTSIDE OF AREA SRP EXCAVATES WHEN MAINTAINING IRRIGATION PIPE. TYPICAL EXCAVATION INCLUDES AREA ABOVE AND TO EACH SIDE OF SRP IRRIGATION PIPE. SIDE EXCAVATION INCLUDES AREA ABOVE A 1:1 SLOPE EXTENDING UPWARD AND OUTWARD AT A ONE-TO-ONE SLOPE FROM A POINT LEVEL WITH THE BOTTOM OF AND TWO FEET BELOW THE SIDE OF THE OUTSIDE BELL DIAMETER OF THE SRP IRRIGATION PIPE.
- OTHER UTILITIES NOT PERMITTED IN THESE AREAS.
- CLEARANCE IS MEASURED FROM OUTSIDE BELL DIAMETER OF SRP IRRIGATION PIPE. OUTSIDE BELL DIAMETER IS SIGNIFICANTLY LARGER THAN NOMINAL PIPE SIZE (INSIDE DIAMETER) NOTED ON PLAN/PROFILE DRAWINGS. SEE TABLE FOR NOMINAL PIPE SIZES AND OUTSIDE BELL DIAMETERS.
- SPECIFIED CLEARANCES ARE FOR USE WITH RUBBER GASKETED REINFORCED CONCRETE PIPE (RURCP) UP TO AND INCLUDING 12" NOMINAL PIPE SIZE. GREATER CLEARANCE OR REINFORCEMENT IS REQUIRED FOR LARGER DIAMETER RORCP, CAST-IN-PLACE PIPE (CIPP) AND NON-REINFORCED CONCRETE PIPE.
- ASSURE CONTINUOUS SUPPORT AND PROTECTION OF SRP IRRIGATION PIPE. DAMAGE TO SRP IRRIGATION PIPE/SYSTEM WILL BE REPAIRED BY SRP. ALL DIRECT AND INDIRECT COSTS SHALL BE BORNE BY OTHER UTILITY LICENSEE.
- TRENCH BACKFILL COMPACTION SHALL BE MARIPOSA ASSOCIATION OF GOVERNMENTS (MAG) TYPE 1 OR TYPE 111, EXCEPT THAT 95% COMPACTION SHALL BE REQUIRED FROM ONE FOOT ABOVE TOP OF PIPE TO BOTTOM OF TRENCH. WATER CONSOLIDATION IS NOT PERMITTED.
- COMPLY WITH MAG UNIFORM STANDARD SPECIFICATIONS AND STANDARD DETAILS UNLESS OTHERWISE NOTED IN PROJECT SPECIFIC SRP DOCUMENTS. MOST STRINGENT REQUIREMENTS SHALL APPLY UNLESS SPECIFICALLY NOTED OTHERWISE IN SRP DOCUMENTS.
- COMPLY WITH ALL APPLICABLE STATUTES, ORDINANCES AND REGULATIONS INCLUDING BLUE STAKE LAW (A.R.S. SEC. 40-360-21 ET SEQ.).
- THESE GUIDELINES ARE PROVIDED AS A GENERAL AID TO PLANNING. ACTUAL SRP REQUIREMENTS MAY VARY BASED ON SITE-SPECIFIC CONDITIONS, OPERATIONAL CONSIDERATIONS, ETC.
- AN SRP LICENSE IS REQUIRED FOR UTILITIES CROSSING/PARALLEL TO SRP IRRIGATION PIPE IN SRP RIGHT-OF-WAY. SRP REQUIRES ENGINEER DESIGNED UTILITY CROSSING/LOCATION AND EXCAVATION PLAN.
- REQUESTS FOR SRP LICENSES ARE HANDLED ON A CASE-BY-CASE BASIS. CONTACT SRP AT 402-236-5199 REGARDING LICENSES FOR SITES LOCATED NORTH AND SOUTH OF THE SALT RIVER.
- NOTIFY SRP INSPECTOR A MINIMUM OF 72 HOURS BEFORE STARTING CONSTRUCTION IN OR AROUND SRP IRRIGATION FACILITIES. AN IRRIGATION OUTAGE AGREEMENT MUST BE COMPLETED BY THE CONTRACTOR IF A DRY-UP OF ANY PART OF THE IRRIGATION SYSTEM WILL BE NECESSARY DURING CONSTRUCTION. ISSUANCE OF A LICENSE DOES NOT PROVIDE FOR A CONSTRUCTION DRY-UP.

**PIPELINE - UTILITY CROSSING**

**PIPELINE - PARALLEL UTILITY**

**OUTSIDE DIAMETER SRP IRRIGATION PIPE**

NOMINAL PIPE SIZE (I.D.)	OUTSIDE PIPE DIAMETER AT BELL (O.D.)
24"	33"
30"	40"
36"	53"
42"	60"
48"	68"
54"	75"
60"	82"
66"	89"
72"	93"

**REFERENCES**

**REVISIONS**

REV. NO.	DATE	BY	CHK.	ISSUE
5	02/07/14	JMS	REL	REVISED NOTE 2 MINIMUM CLEARANCE AND OVERCROSSING UTILITY TYPE.
0	04/06/98	MOD	REL	INITIAL ISSUE.

**SALT RIVER PROJECT WATER ENGINEERING STANDARD**

**UTILITIES CROSSING OR PARALLEL TO SRP IRRIGATION PIPE**

PROJECT NO: 060260-001  
SHEET NO: 17222  
WES-02604-001

**CONTACTS:**  
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MOBILE: (602)748-6687  
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OFFICE: (602)236-0436  
CONSTRUCTION CONSULTANT:  
JOE CORDERIO  
MOBILE: (602)402-0858

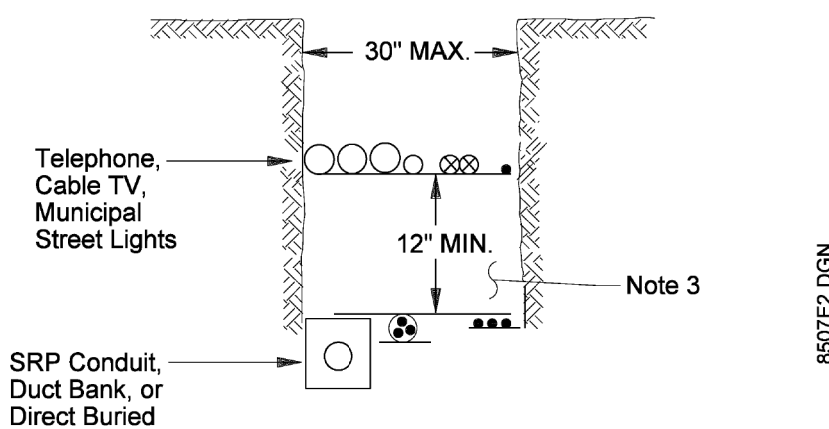
**FIELD INSTALLATION STAMP**

NATURAL GAS YES  NO

JOB NAME CUS VE BA CHANDLER HEIGHTS RD IMPROV - GILBERT RD TO VAL VISTA DR CONV  
ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR  
CONTACT CITY OF CHANDLER - DENNIS AUST PHONE 480-782-3315  
BILLING ACCT NO. \_\_\_\_\_  
FIS JO \_\_\_\_\_ MAP 1/4NE S 29 T 2S R 6E  
40/ACRE YF-29-02 COORDS 31 7/8 E - 10 1/16 S  
AMP WO T3129125 AMP VERSION \_\_\_\_\_  
COST CENTER 22660  
ROUTING CODE DD15CSI+0

SHEET NUMBER 12 OF 14

**SECTION 2: UNDERGROUND CLEARANCES**



- NOTES**
- Water and sewer are not allowed in a joint trench with SRP electric facilities.
  - SRP electric and communications facilities shall be at the bottom of the trench.
  - 12" of earth must separate electric facilities from any overlying facilities. Such earth shall be compacted to at least 85% of maximum density, per ASTM D698 (at or near optimum moisture content). Soils in the remainder of the trench must be placed and compacted as noted in the Trenching section of the UDCS. Mechanical compaction is not allowed within 6" of electrical facilities.
  - Joint trench width shall not exceed 30".
  - Joint trench with natural gas is acceptable as follows:

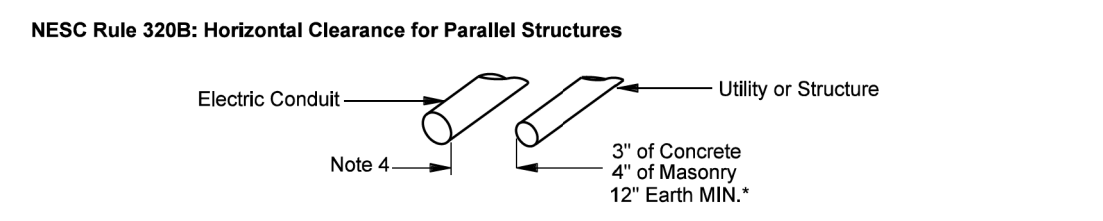
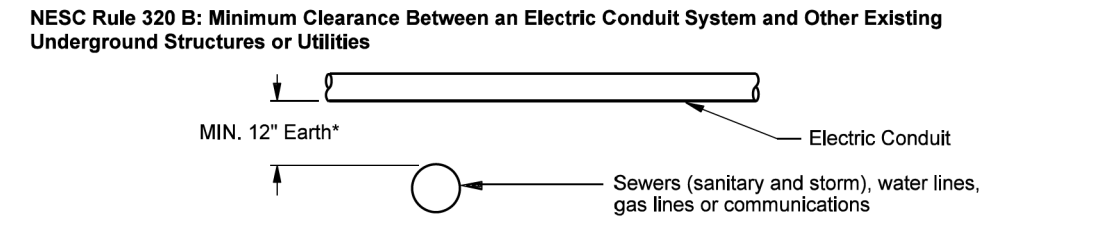
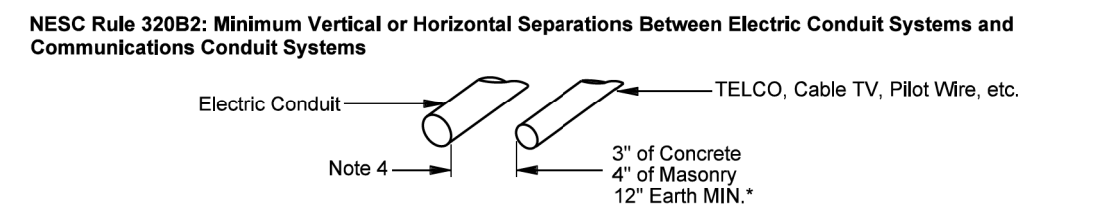
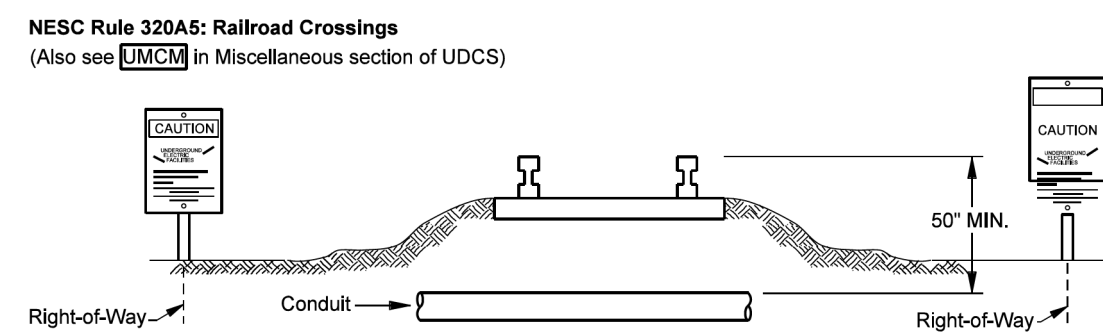
Conductor Type	Acceptable Locations For Joint Trench With Gas
Service, secondary and #2 primary	All locations in residential subdivisions (see pages 2-8-1 and 2-9-1)
Service, secondary, #2 and 4/0 primary	Commercial private property only (not in PUE)
Feeder	None - see note A

- A. Joint use trench with feeder is not allowed because it presents an obstacle to future feeder access. The following acceptable alternatives will be allowed:**
- A separate feeder and gas trench with a minimum 2' of undisturbed earth between the two trenches.
  - A shelf-type trench with a minimum horizontal clearance of 6' and a minimum vertical clearance of 12" between the feeder and gas.

Electrical Clearance Standards	REV. UPDATED NOTE 5A	UNDERGROUND CLEARANCES JOINT USE TRENCH	ISSUE DATE: 09/30/91
		2-1-1	REV. DATE: 08/15/21
			APPROVAL: K. Macfarlan
			ECSD-1-1.doc

SRP-General Use

**SECTION 2: UNDERGROUND CLEARANCES**



- NOTES**
- An alternative to 12" earth is a rigid support for the upper structure to prevent it from transferring any direct load to lower structure.
  - Conduit should be installed as far as practical from a water main to protect it from being undermined if the main breaks.
  - El Paso Natural Gas Co. has additional requirements as detailed on page 2-7-1.
  - Other utilities or municipalities may have requirements greater than those required by NESC and will therefore take priority over those shown.

Electrical Clearance Standards	REV. ADDED 505/5 TO TABLE	UNDERGROUND CLEARANCES UNDERGROUND JOINT USE TRENCH	ISSUE DATE: 09/30/91
		2-4-1	REV. DATE: 0
			APPROVAL: V. Savits
			8507E5.DGN

**SERVICE CONDUIT SIZES AND SPECIFICATIONS UNDERGROUND**

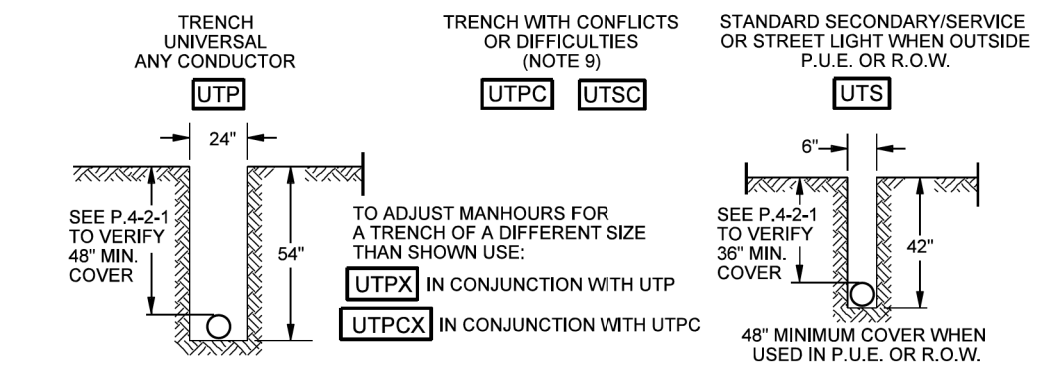
- I. GENERAL REQUIREMENTS**
- A. Conduit provided by the Customer shall meet the following specifications:**
- Straight Lengths: PVC, DB-120, 400,000 psi minimum modulus (500,000 not acceptable), rated for 90°C cable, meeting the requirements of ASTM F512, latest edition or EPC-40-PVC (schedule 40), meeting the requirements of NEMA TC-2, latest edition.
  - Elbows and Fittings: EPC-40-PVC (schedule 40), three-foot radius, rated for 90°C cable, meeting the requirements of NEMA TC-2, latest edition.
  - Size, number of conduits, and encasement requirements are shown on the SRP design.
  - Maximum change in direction without elbow shall not exceed 5 degrees in 20 feet.
  - Customer shall be responsible for repairing new and existing conduit damaged prior to SRP installing cable. Conduits will be accepted following installation of cable. Do not use metal materials to tie or rack conduits.
  - The portion of conduit installed through an exterior building wall, floor, or roof shall have external seals on the outside surface of the conduit at the point of entry to the building intended to limit the likelihood of the entrance of gas into the building.
  - The table below outlines the service conduit requirements from a transformer or j-box to the Customer's SES.

**Service Conduit Number and Size Requirements SRP-Owned Conductor**

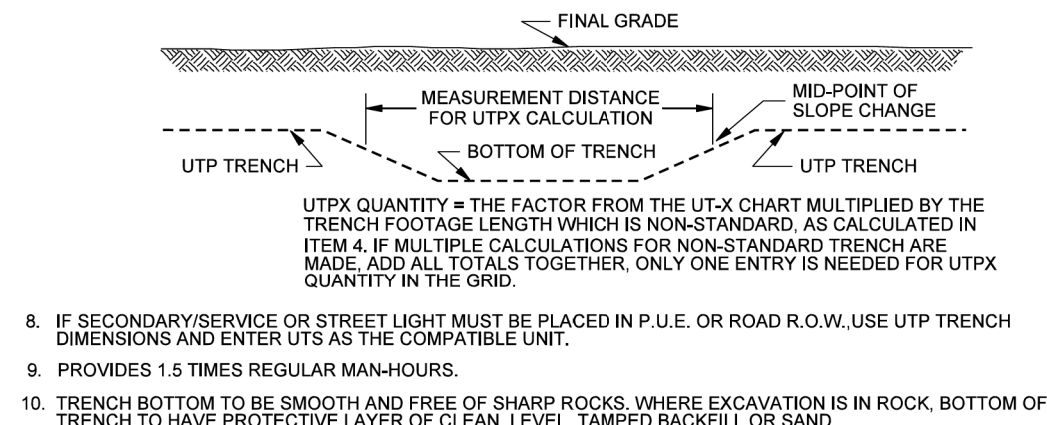
Service Entrance Ampacity	1Ø, 3 Wire	3Ø, 4 Wire	2400/4160	7200/12470
225 or less	1-2.5"	1-2.5"	3-3"	3-3"
320/400	1-4"	1-4"	3-3"	3-3"
500	2-4"	2-4"		
600	2-4"	2-4"		
800	2-4"	3-4"		
1,000		4-4"		
1,200		5-4"		
1,600		7-4"		
2,000		10-4"		
2,500		13-4"		
3,000		19-4"		
3,600		25-4"		
4,000 (120/208 V Only)		30-4"		

\* 2" conduit may be used if existing.  
 \*\* 2.5" or 3" conduit may be used for wall mounted residential single meter installations, as specified by SRP.  
 \*\*\* 2 1/2" conduit may be used for residential single meter installations.

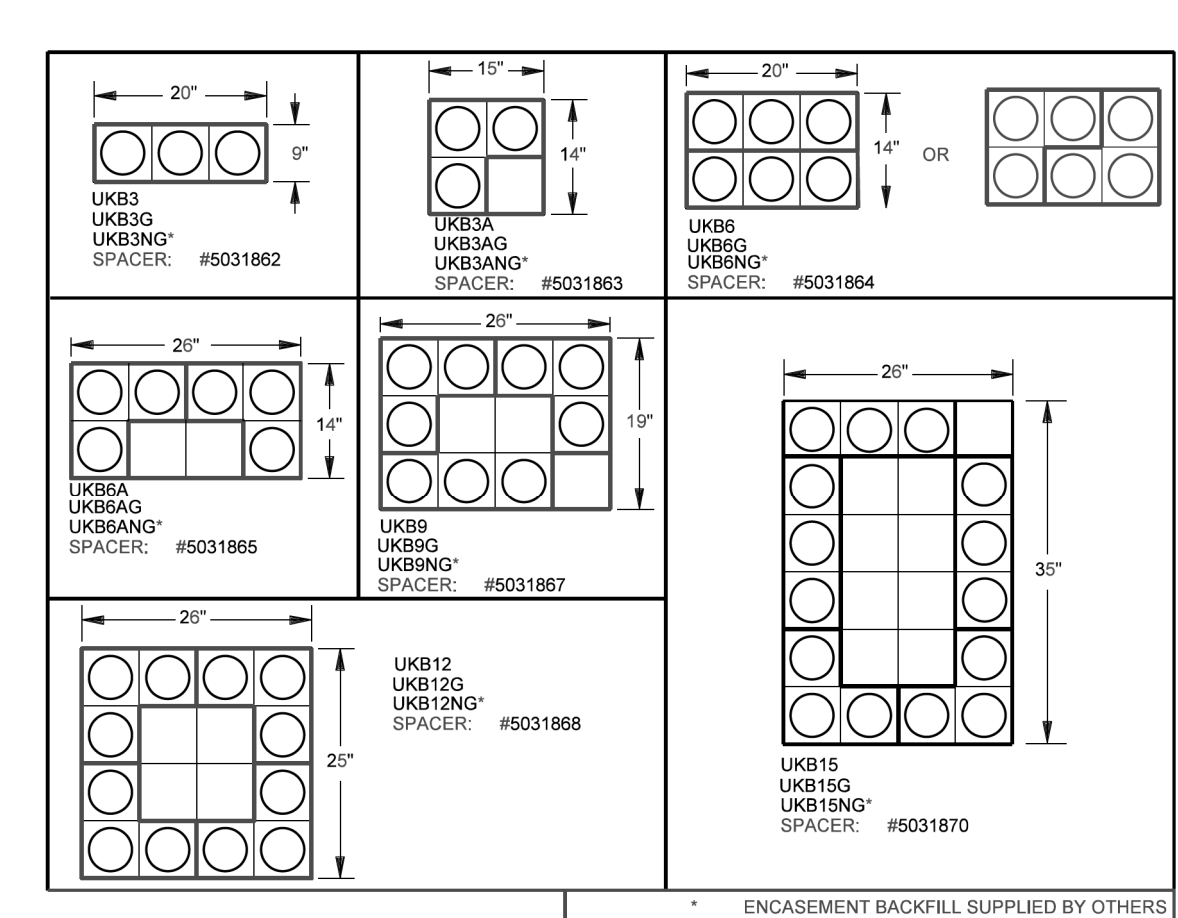
Electric Service Specifications	REV. ADDED 505/5 TO TABLE	TRENCHING AND CONDUIT SERVICE CONDUIT SIZES AND SPECIFICATIONS UNDERGROUND	ISSUE DATE: 09/30/91
		6-1	REV. DATE: 01/15/23
			APPROVAL: J. Luera
			ESSE-1.doc



- NOTES**
- TRENCH DEPTHS AND CONDUIT COVER ARE TO BE MEASURED FROM FINAL GRADE STAKES. ALL TRENCH DEPTHS OR CONDUIT COVER REQUIREMENTS SPECIFIED ON A JOB DRAWING SHALL BE FOLLOWED.
  - THESE TRENCH CODES PROVIDE MAN-HOURS FOR EXCAVATION ONLY AND DO NOT PROVIDE FOR TRENCH BACKFILL.
  - THE TOTAL TRENCH FOOTAGE LENGTH WILL BE SHOWN IN THE GRID AS STANDARD TRENCH, EITHER UTP FOR PRIMARY OR UTS FOR SECONDARY STREET LIGHT OR SERVICE. WHEN TRENCH IS PROVIDED BY CUSTOMER, THIS IS THE ONLY CODING REQUIRED ON THE JOB GRID.
  - NON STANDARD TRENCH LOCATIONS WILL BE IDENTIFIED ON THE JOB ORDER SKETCH WITH REQUIRED WIDTH AND DEPTH DIMENSIONS GIVEN.
  - WHEN TRENCHING IS PROVIDED BY SRP, NON STANDARD TRENCHES SHALL HAVE 2 COMPATIBLE UNIT CODES IN THE GRID, UTP PLUS THE UTPX, TO ADJUST THE TIME FOR DIGGING.
  - WHEN SPECIFIED DEPTH CANNOT BE OBTAINED BECAUSE OF SOLID ROCK, A MINIMUM EARTH COVER OF 24" IS ACCEPTABLE, PROVIDED A MINIMUM 2' ENCASEMENT OF CONCRETE SURROUNDS THE CONDUIT.
  - USE EXAMPLE SHOWN TO FIGURE LENGTH OF UTPX TRENCH, UNLESS THE ENTIRE TRENCH IS NON STANDARD.



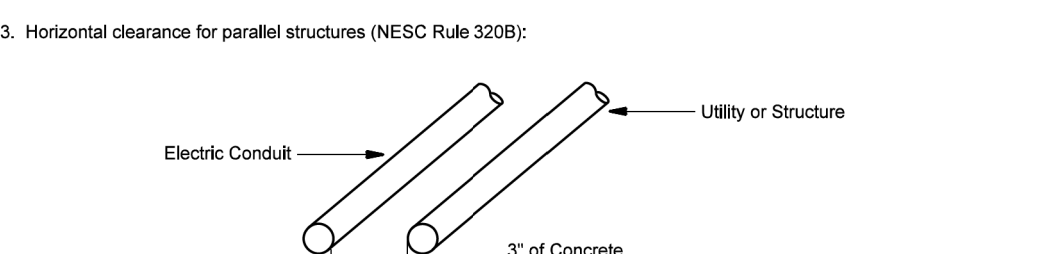
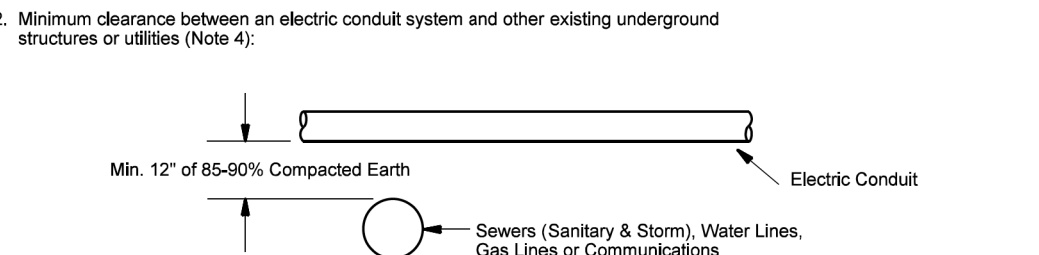
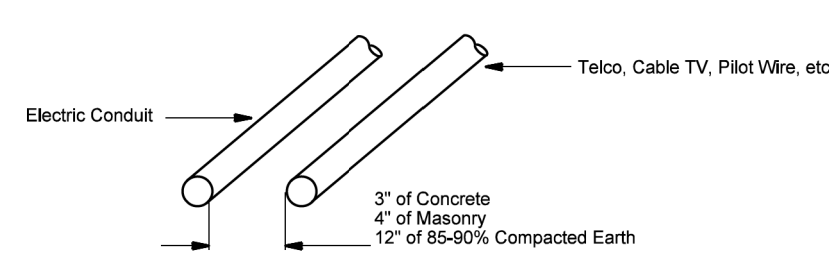
Underground Distribution Construction Standards	REV. ADDED 505/5 TO TABLE	TRENCHING EXCAVATION CODES	ISSUE DATE: 01/15/87
		6-11-1	REV. DATE: 03/06/13
			APPROVAL: B. PRIEST
			8513E135.DGN



- "UKB" DUCT BANK SPECIFICATIONS**
- WHEN IDENTIFIED ON CONSTRUCTION PRINTS, 2/0 BARE COPPER NEUTRALS SHALL BE INSTALLED PER INSTRUCTIONS ON PAGE 4-13-2.
  - DUCT BANKS SHALL BE CONSTRUCTED AS FOLLOWS:
    - SPACERS CONFIGURED AS ABOVE OR AS SHOWN ON CONSTRUCTION PRINTS.
    - SPACERS SHALL BE PLACED ON THE BOTTOM OF THE TRENCH AND SPACED AT 6 FOOT INTERVALS.
    - UNLESS NOTED OTHERWISE, DUCT BANK SHALL BE ENCASED IN CONTROLLED LOW STRENGTH MATERIAL (CLSM) 1-1/2 SACK CEMENT PER CUBIC YARD (SRP MATERIAL ITEM 00752020). MINIMUM ENCASEMENT BACKFILL IS REQUIRED.
    - INDIVIDUAL CONDUITS ARE NOT TO BE ENCASED WITH STEEL SUCH AS WIRE OR REBAR. ENCASEMENT OF THE COMPLETE DUCT BANK IS PERMISSIBLE.
    - THE INNER SPACES SHALL NOT BE USED.
    - THE ABOVE DIMENSIONS ARE NOMINAL BASED ON SPACER DIMENSIONS AND ENCASEMENT REQUIREMENTS.
  - FOR THE FOLLOWING ENCASEMENT BACKFILLS, THE DUCT BANK CODE SHALL INCLUDE A SUFFIX AS SHOWN:
    - ADD "F" FOR 2000 PSI MINIMUM CONCRETE (SRP MATERIAL ITEM 00752020). I.E. UKB8F.
    - ADD "FE" FOR 2000 PSI MINIMUM RED CONCRETE (CONTACT SRP TO ORDER). I.E. UKB8FE.
  - WHEN CROSSING UNDER EXISTING DUCT BANKS, REFER TO PAGE 4-16-1 FOR SUPPORTING SPECIFICATIONS.
  - DUCT BANKS CONTAINING NINE CONDUITS OR LESS MAY BE ROTATED 90 OR 180 DEGREES.

**SECTION 6: TRENCHING AND CONDUIT**

- NOTES**
- Minimum vertical or horizontal separations between electric conduit systems and communications conduit systems (NESC Rule 320B2).

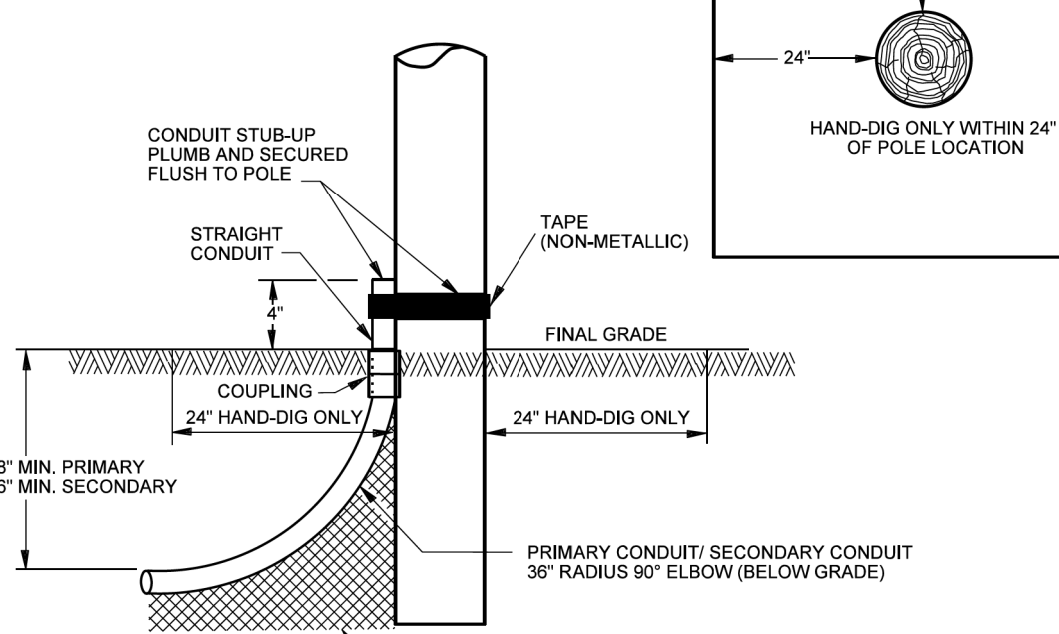
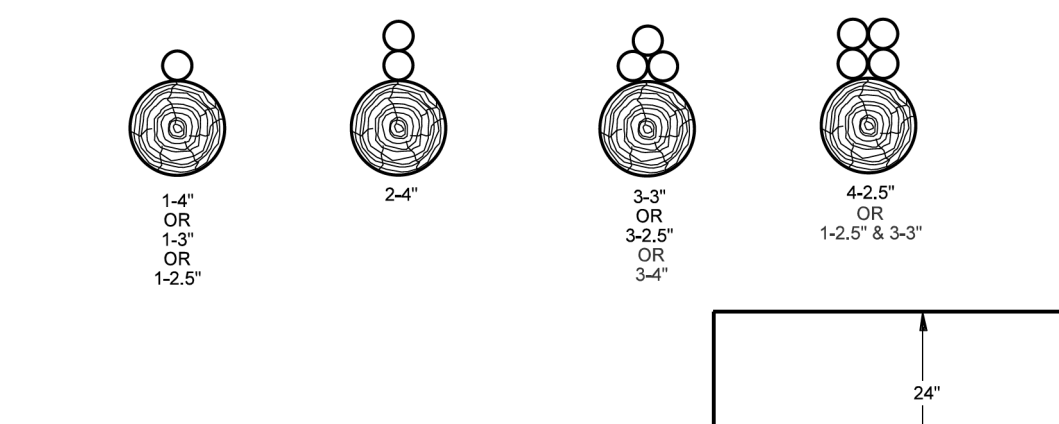


- An alternative to 12" of 85-90% compacted earth is a rigid support for the upper structure to prevent it from transferring any direct load to lower structure.
- Conduit should be installed as far as practical from a water main to protect it from being undermined if the main breaks.
- Municipals and other utilities may have additional requirements.

Electric Service Specifications	REV. ADDED 505/5 TO TABLE	CLEARANCES UNDERGROUND CONDUIT	ISSUE DATE: 04/15/87
		5-3	REV. DATE: 10/25/12
			APPROVAL: W. LARAMIE
			850E146.DGN

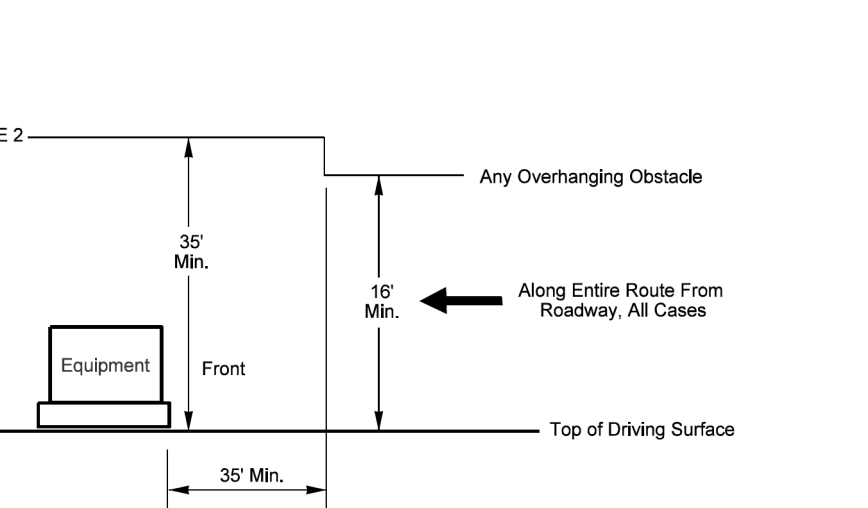
**SECTION 6: TRENCHING AND CONDUIT**

Required Conduit Configuration to fit Riser Boots (The quadrant configuration for the pole riser will be specified by the Designer)



Electric Service Specifications	REV. ADDED 3-4" & 1-2.5" & 3-3"	TRENCHING AND CONDUIT POLE RISER ELBOW AND LOCATION	ISSUE DATE: 09/01/09
		6-4	REV. DATE: 11/11/20
			APPROVAL: J. Luera
			8509E310.DGN

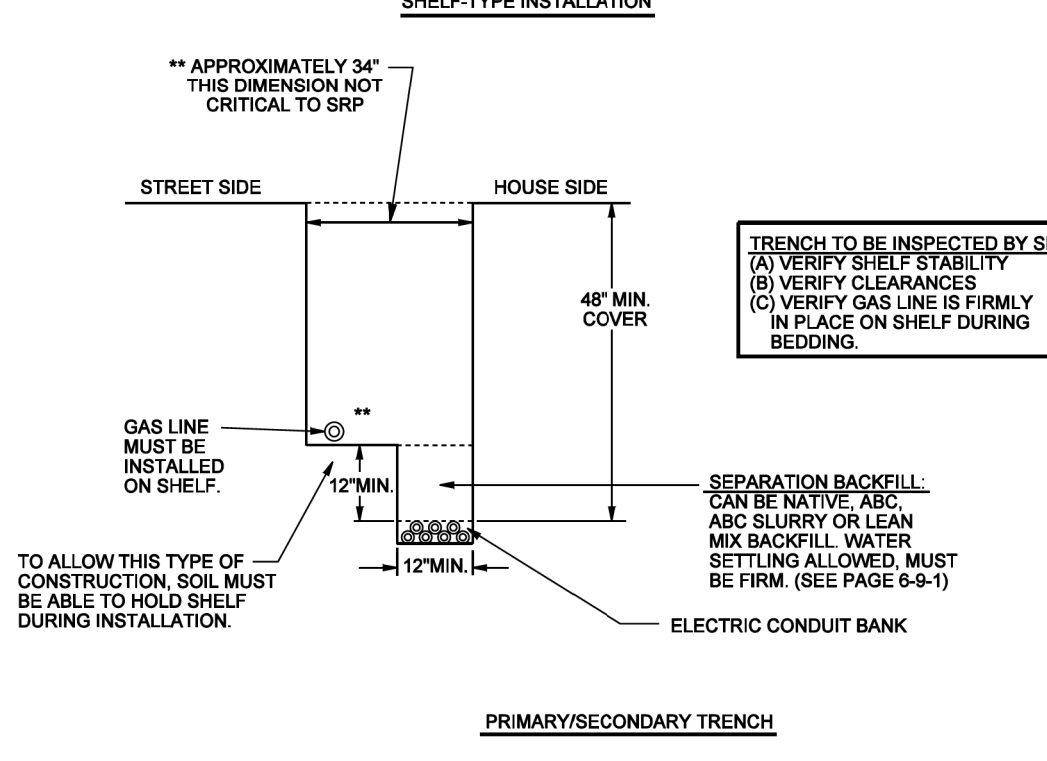
**Pad-Mounted Facilities Access Height Clearance Requirements (PROFILE VIEW)**



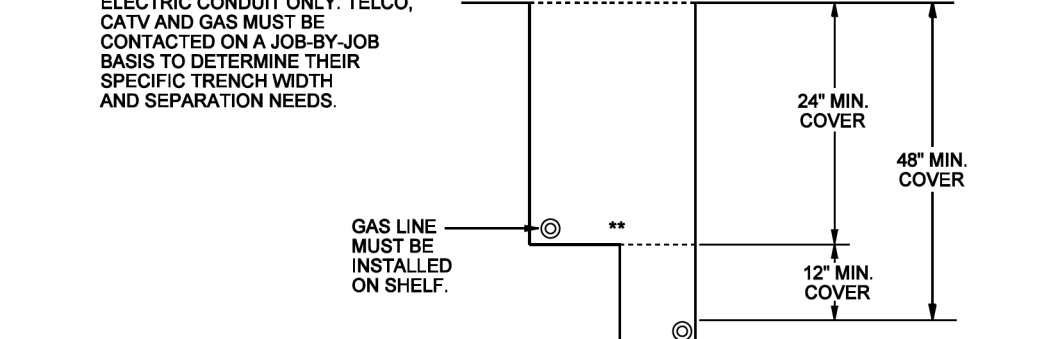
- NOTES**
- These required access dimensions are in addition to the electrical clearance standards. See SRP's Electric Clearance Standards.
  - The Boundary of Traveled Way is any permanent obstacle to vehicle access; (i.e., building, fence, customer equipment, landscape, ditch, curb, guard post, etc.).
  - If proposed access route is different than any of the ones shown in these details, consult SRP Distribution Design.
  - 8' minimum clear space is required for backing and positioning beyond the equipment.
  - If SRP pad is over 40' beyond corner of turn, the width of the Traveled Way may be reduced from 30' to 20'.
  - For meter room or vault doors, the width of the Traveled Way may be reduced from 30' to 20'.
  - There are additional access requirements for vaults with hatches. Contact SRP Distribution Design.
  - When a commercial SES/meter room and the SRP transformer share the same Traveled Way, increase distance to 24'.
  - If guard posts are to be installed to protect equipment, the width of the Traveled Way shall be measured from the outside edge of guard post.

Electric Service Specifications	REV. INCLUDE SHARED ACCESS BTWN XFMR AND SES	CLEARANCES VEHICLE ACCESS REQUIREMENTS PAD-MOUNTED FACILITIES & 1Ø TRANSFORMERS	ISSUE DATE: 02/08/11
		5-19	REV. DATE: 02/01/23
			APPROVAL: J. Robinson
			8509E347.DGN

**JOINT GAS/ELECTRIC SUBDIVISION TRENCH SHELF-TYPE INSTALLATION**

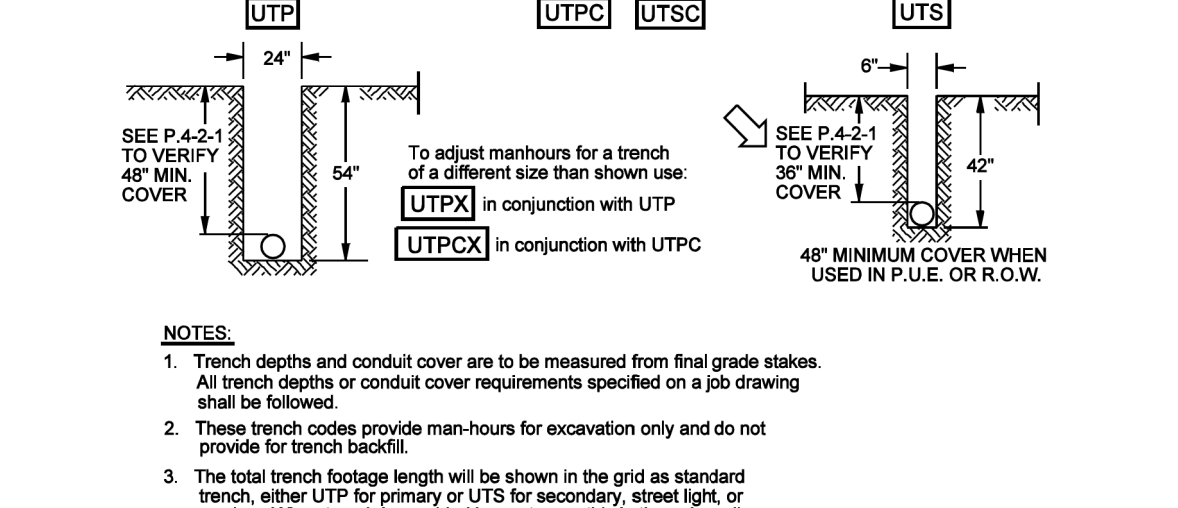


**PRIMARY/SECONDARY TRENCH**



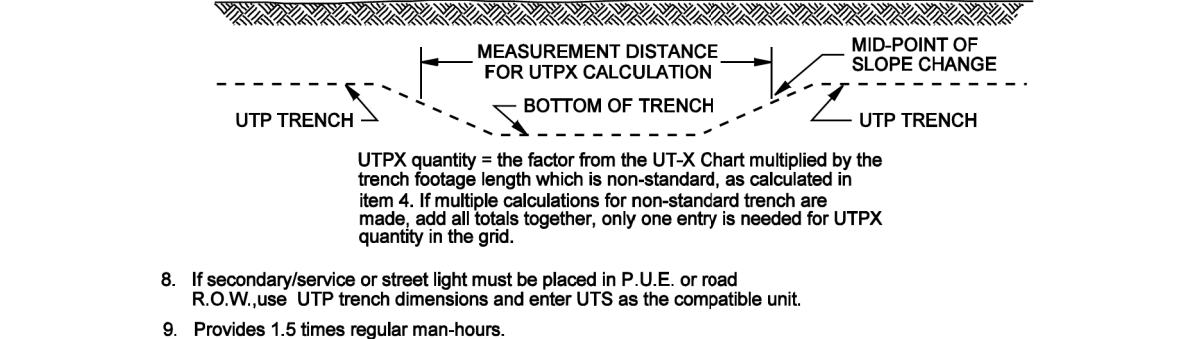
Underground Distribution Construction Standards	REV. REFORMAT	TRENCHING JOINT GAS/ELECTRIC, SUBDIVISION TRENCH SHELF-TYPE INSTALLATION	ISSUE DATE: 02/08/02
		6-8-1	REV. DATE: 04/08/10
			APPROVAL: B. PRIEST
			8513E3M.DGN

**TRENCHING EXCAVATION CODES**



- NOTES**
- Trench depths and conduit cover are to be measured from final grade stakes. All trench depths or conduit cover requirements specified on a job drawing shall be followed.
  - These trench codes provide man-hours for excavation only and do not provide for trench backfill.
  - The total trench footage length will be shown in the grid as standard trench, either UTP for primary or UTS for secondary, street light, or service. When trench is provided by customer, this is the only coding required on the job grid.
  - Non standard trench locations will be identified on the job order sketch with required width and depth dimensions given.
  - When trenching is provided by SRP, non standard trenches shall have 2 compatible unit codes in the grid, UTP plus the UTPX, to adjust the time for digging.
  - When specified depth cannot be obtained because of solid rock, a minimum earth cover of 24" is acceptable, provided a minimum 2' encasement of concrete surrounds the conduit.
  - Use example shown to figure length of UTPX trench, unless the entire trench is non standard.

**TRENCHING EXCAVATION CODES**

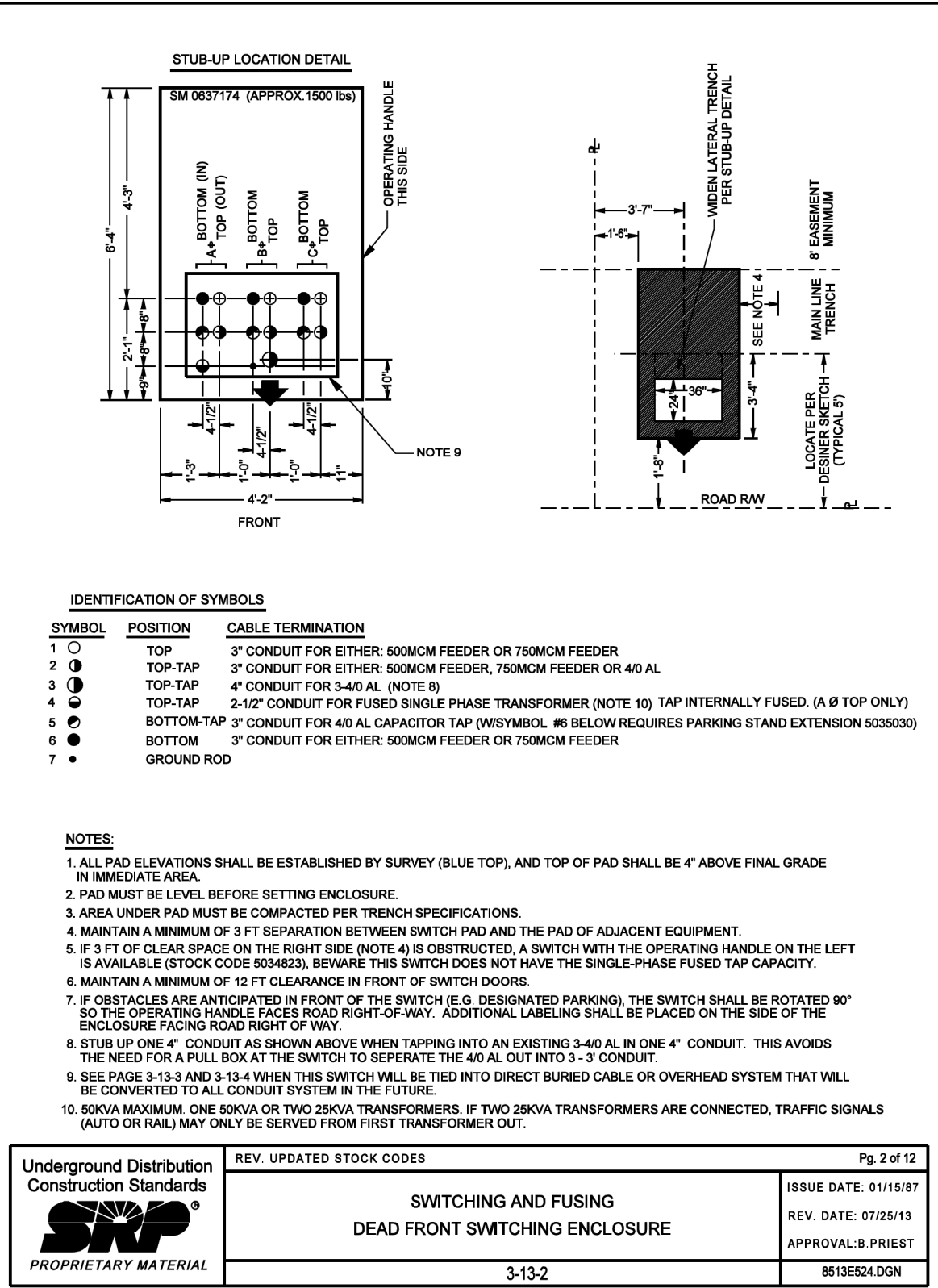


Underground Distribution Construction Standards	REV. CORRECTED TRENCH DEPTH TYP.	TRENCHING EXCAVATION CODES	ISSUE DATE: 01/15/87
		6-11-1	REV. DATE: 03/06/13
			APPROVAL: B. PRIEST
			8513E135.DGN

**CONTACTS:**  
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 MOBILE: (602)679-9446  
 PROJECT LEADER:  
 ANTHONY LAWRENCE  
 MOBILE: (602)748-6687  
 INSPECTIONS:  
 OFFICE: (602)236-0436  
 CONSTRUCTION CONSULTANT:  
 JOE CORDERO  
 MOBILE: (602)402-0858

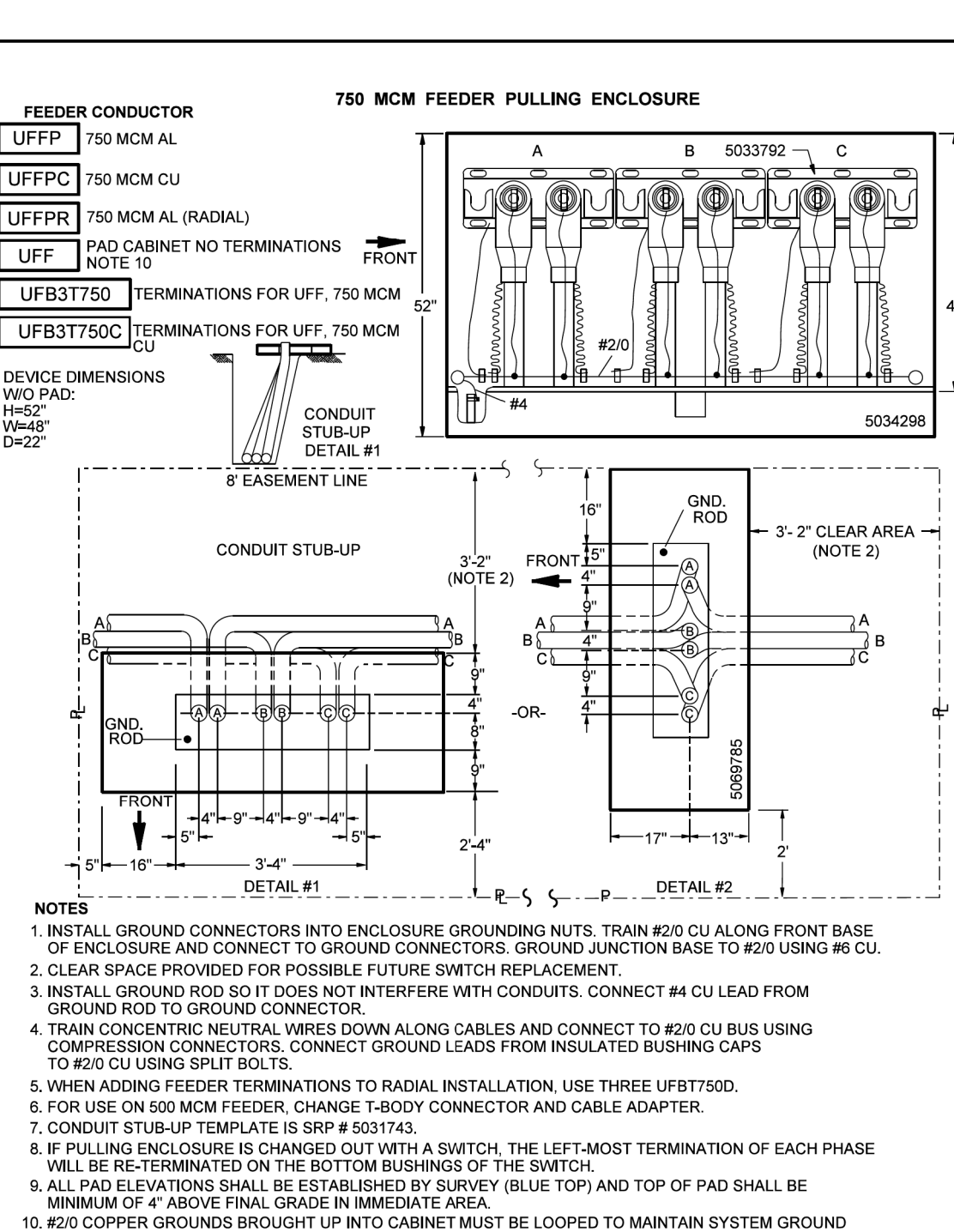
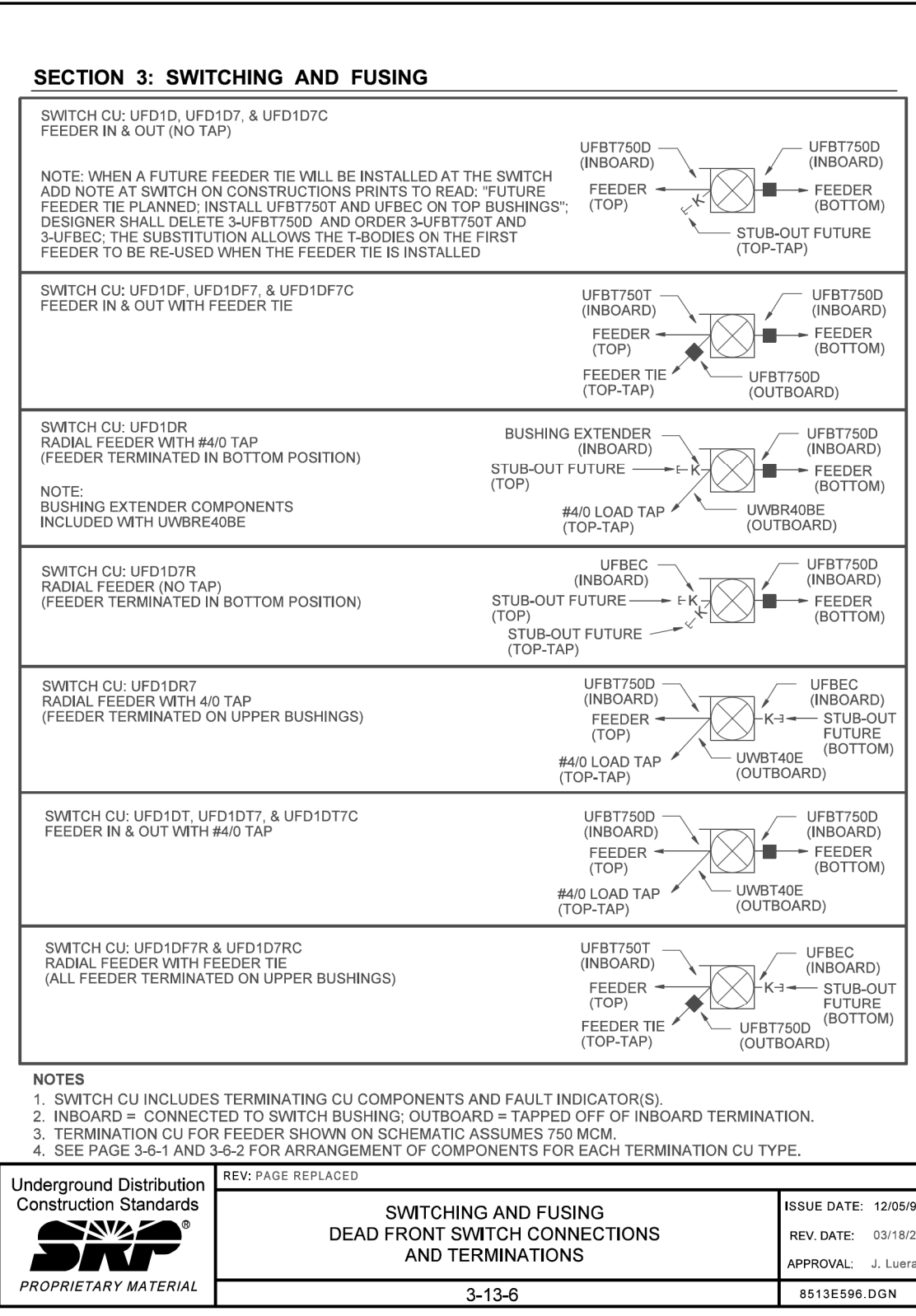
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 JOB NAME CUS UE BA CHANDLER HEIGHTS RD IMPROV - GILBERT RD TO VAL VISTA DR CONVI  
 ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR  
 CONTACT CITY OF CHANDLER - DENNIS AUST PHONE 480-782-3315  
 BILLING ACCT NO. \_\_\_\_\_  
 FIS JO \_\_\_\_\_ MAP 1/4NE S 29 T 2S R 6E  
 40/ACRE YF-29-02 COORDS 31.7/8 E - 10 1/16 S  
 AMP WO T3129125 AMP VERSION  
 COST CENTER 22660  
 ROUTING CODE DD1\_SCS1+0

SHEET NUMBER 13 OF 14  
 First Page 22x34.J02 01-23-2019



Underground Distribution Construction Standards	REV. UPDATED STOCK CODES	Page 2 of 12
<b>SRP</b>	<b>SWITCHING AND FUSING DEAD FRONT SWITCHING ENCLOSURE</b>	ISSUE DATE: 01/15/87
PROPRIETARY MATERIAL	3-13-2	REV. DATE: 07/25/13
		APPROVAL: B. PRIEST
		8513E54.DGN

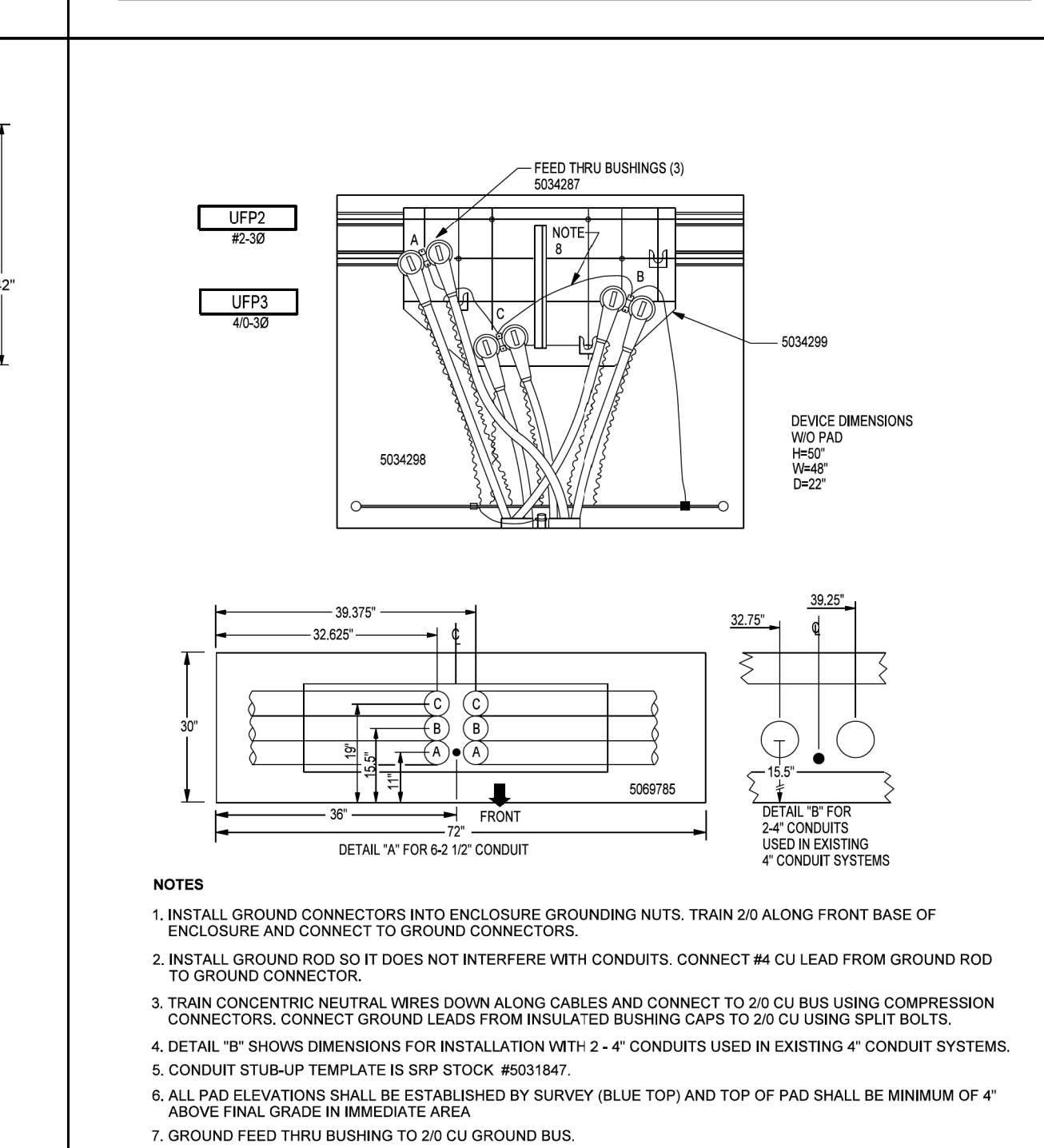
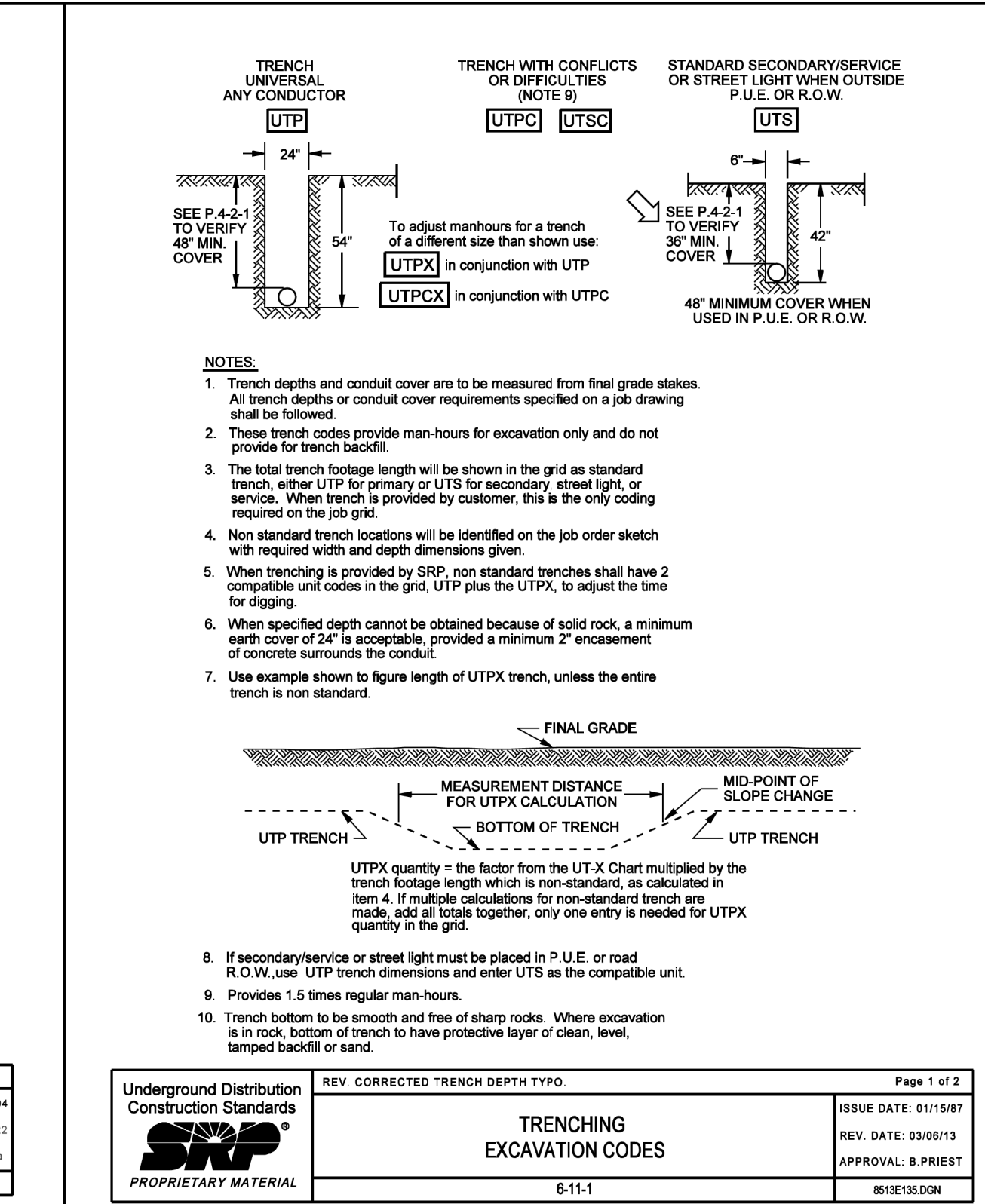
Underground Distribution Construction Standards	REV. UPDATED STOCK CODES	Page 2 of 12
<b>SRP</b>	<b>SWITCHING AND FUSING DEAD FRONT SWITCHING ENCLOSURE</b>	ISSUE DATE: 01/15/87
PROPRIETARY MATERIAL	3-13-2	REV. DATE: 07/25/13
		APPROVAL: B. PRIEST
		8513E54.DGN



Underground Distribution Construction Standards	REV. PAGE REPLACED	Page 1 of 2
<b>SRP</b>	<b>SWITCHING AND FUSING DEAD FRONT SWITCH CONNECTIONS AND TERMINATIONS</b>	ISSUE DATE: 12/05/84
PROPRIETARY MATERIAL	3-13-6	REV. DATE: 03/18/22
		APPROVAL: J. LUERA
		8513E56.DGN

Underground Distribution Construction Standards	REV. UPDATED STOCK CODES	Page 2 of 12
<b>SRP</b>	<b>SWITCHING AND FUSING DEAD FRONT SWITCHING ENCLOSURE</b>	ISSUE DATE: 01/15/87
PROPRIETARY MATERIAL	3-13-2	REV. DATE: 07/25/13
		APPROVAL: B. PRIEST
		8513E54.DGN

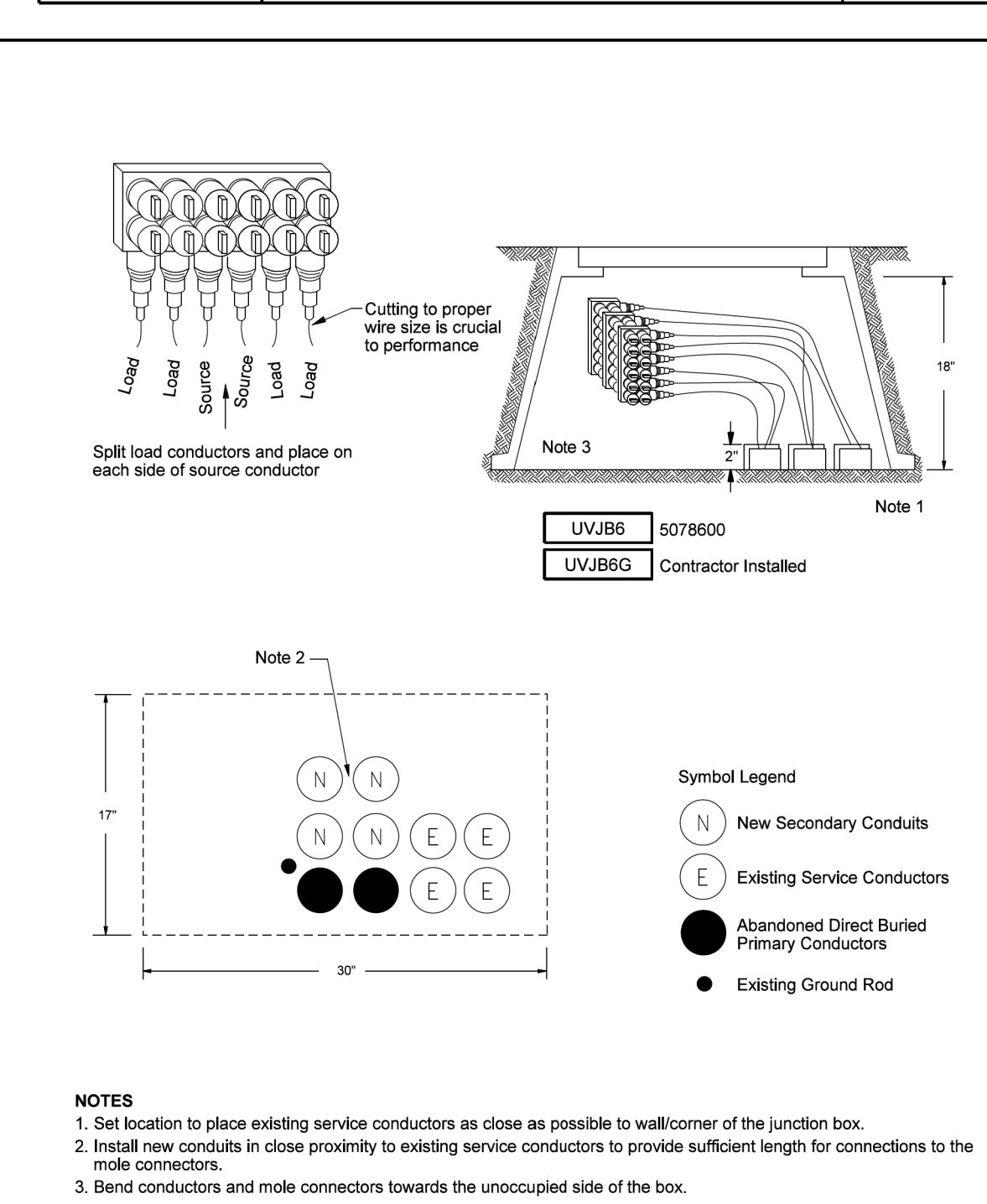
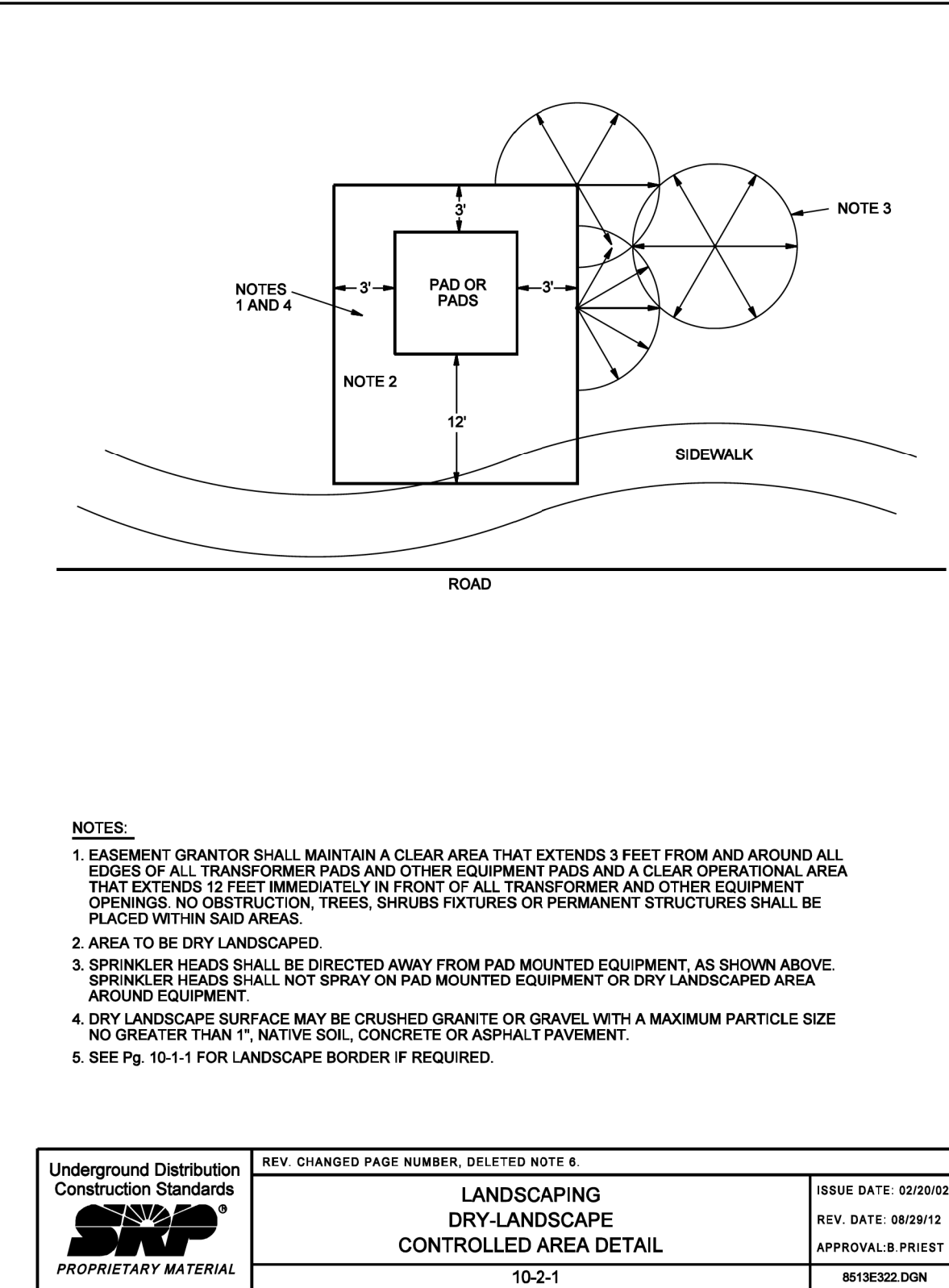
Underground Distribution Construction Standards	REV. UPDATED STOCK CODES	Page 2 of 12
<b>SRP</b>	<b>SWITCHING AND FUSING DEAD FRONT SWITCHING ENCLOSURE</b>	ISSUE DATE: 01/15/87
PROPRIETARY MATERIAL	3-13-2	REV. DATE: 07/25/13
		APPROVAL: B. PRIEST
		8513E54.DGN



Underground Distribution Construction Standards	REV. CORRECTED TRENCH DEPTH TYPO	Page 1 of 2
<b>SRP</b>	<b>TRENCHING EXCAVATION CODES</b>	ISSUE DATE: 01/15/87
PROPRIETARY MATERIAL	6-11-1	REV. DATE: 03/06/13
		APPROVAL: B. PRIEST
		8513E18.DGN

Underground Distribution Construction Standards	REV. UPDATED STOCK CODES	Page 2 of 12
<b>SRP</b>	<b>SWITCHING AND FUSING DEAD FRONT SWITCHING ENCLOSURE</b>	ISSUE DATE: 01/15/87
PROPRIETARY MATERIAL	3-13-2	REV. DATE: 07/25/13
		APPROVAL: B. PRIEST
		8513E54.DGN

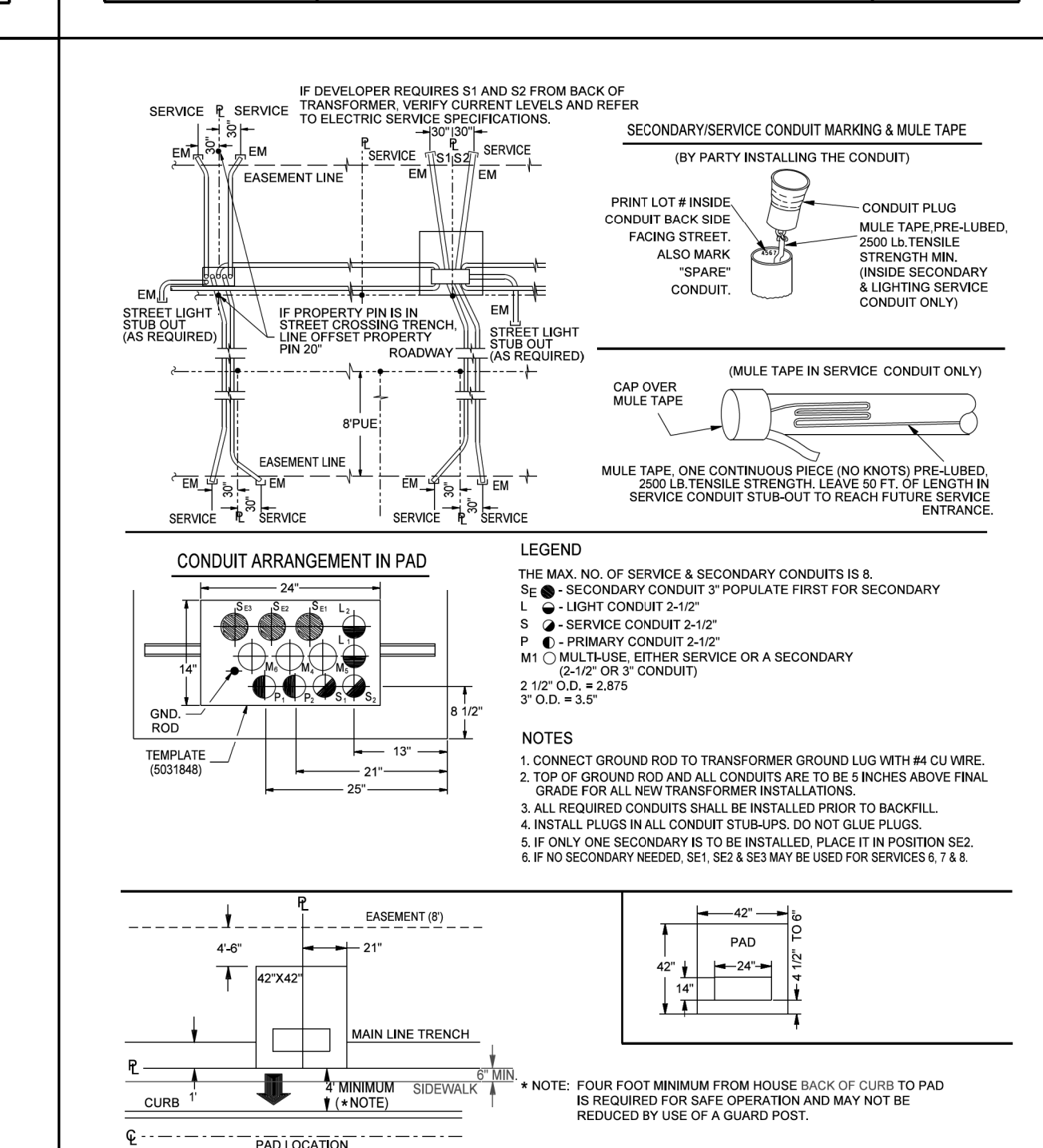
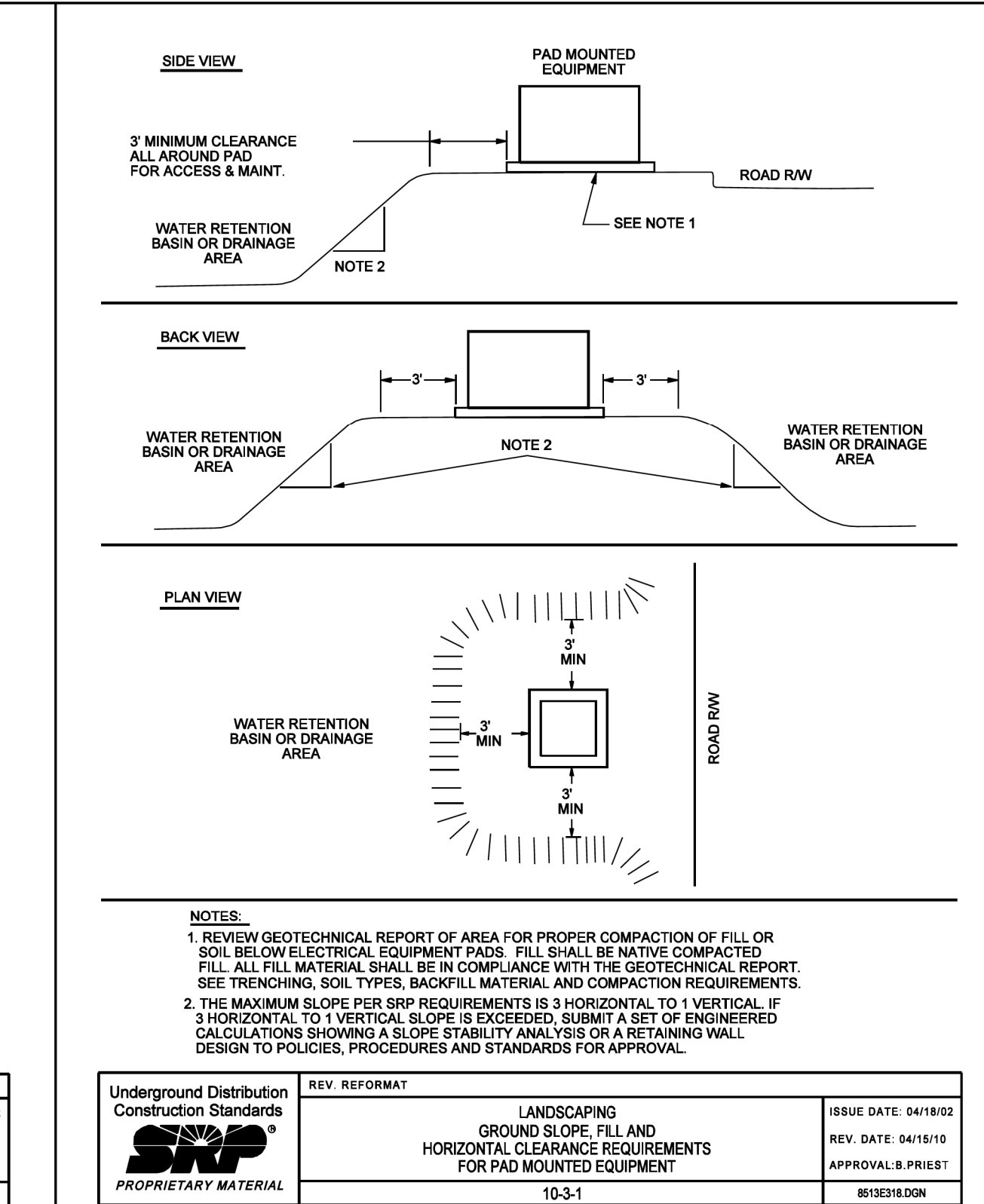
Underground Distribution Construction Standards	REV. SPECIFIED A 6" CLEARANCE FROM SIDEWALK TO TRANSFORMER	Page 3 of 6
<b>SRP</b>	<b>TRANSFORMER PAD CONDUIT STUB-UP DETAIL WITH ABOVE GROUND JUNCTION BOXES (FRONT OF P.U.E. PREFERRED)</b>	ISSUE DATE: 09/24/03
PROPRIETARY MATERIAL	9-11-3	REV. DATE: 08/04/21
		APPROVAL: J. LUERA
		8513E11.DGN



Underground Distribution Construction Standards	REV. CHANGED PAGE NUMBER, DELETED NOTE 6	Page 1 of 2
<b>SRP</b>	<b>LANDSCAPING DRY LANDSCAPE CONTROLLED AREA DETAIL</b>	ISSUE DATE: 02/20/92
PROPRIETARY MATERIAL	10-2-1	REV. DATE: 08/29/12
		APPROVAL: B. PRIEST
		8513E32.DGN

Underground Distribution Construction Standards	REV. CHANGED PAGE NUMBER, DELETED NOTE 6	Page 1 of 2
<b>SRP</b>	<b>LANDSCAPING DRY LANDSCAPE CONTROLLED AREA DETAIL</b>	ISSUE DATE: 02/20/92
PROPRIETARY MATERIAL	10-2-1	REV. DATE: 08/29/12
		APPROVAL: B. PRIEST
		8513E32.DGN

Underground Distribution Construction Standards	REV. CHANGED PAGE NUMBER, DELETED NOTE 6	Page 1 of 2
<b>SRP</b>	<b>LANDSCAPING DRY LANDSCAPE CONTROLLED AREA DETAIL</b>	ISSUE DATE: 02/20/92
PROPRIETARY MATERIAL	10-2-1	REV. DATE: 08/29/12
		APPROVAL: B. PRIEST
		8513E32.DGN



Underground Distribution Construction Standards	REV. REFORMAT	Page 3 of 6
<b>SRP</b>	<b>LANDSCAPING GROUND SLOPE, FILL AND HORIZONTAL CLEARANCE REQUIREMENTS FOR PAD MOUNTED EQUIPMENT</b>	ISSUE DATE: 04/18/02
PROPRIETARY MATERIAL	10-3-1	REV. DATE: 04/15/10
		APPROVAL: B. PRIEST
		8513E10.DGN

Underground Distribution Construction Standards	REV. REFORMAT	Page 3 of 6
<b>SRP</b>	<b>LANDSCAPING GROUND SLOPE, FILL AND HORIZONTAL CLEARANCE REQUIREMENTS FOR PAD MOUNTED EQUIPMENT</b>	ISSUE DATE: 04/18/02
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		APPROVAL: B. PRIEST
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Underground Distribution Construction Standards	REV. SPECIFIED A 6" CLEARANCE FROM SIDEWALK TO TRANSFORMER	Page 3 of 6
<b>SRP</b>	<b>TRANSFORMER PAD CONDUIT STUB-UP DETAIL WITH ABOVE GROUND JUNCTION BOXES (FRONT OF P.U.E. PREFERRED)</b>	ISSUE DATE: 09/24/03
PROPRIETARY MATERIAL	9-11-3	REV. DATE: 08/04/21
		APPROVAL: J. LUERA
		8513E11.DGN

**CONTACTS:**  
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INSPECTIONS:  
OFFICE: (602) 236-0436  
CONSTRUCTION CONSULTANT:  
**JOE CORDEIRO**  
MOBILE: (602) 402-0858

NATURAL GAS YES  NO

JOB NAME CUS UE BA CHANDLER HEIGHTS RD IMPROV - GILBERT RD TO VAL VISTA DR CONVA...  
ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR...  
CONTACT CITY OF CHANDLER - DENNIS AUST PHONE 480-782-3315...  
BILLING ACCT NO. MAP 1/4N6 S 29 T 2S R 6E  
40/ACRE YF-29-02 COORDS 31 7/8 E - 10 1/16 S  
AMP WO T3129125 AMP VERSION

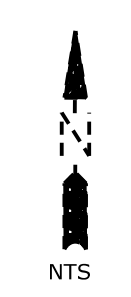
COST CENTER 22660 ROUTING CODE DD1\_SCSI+0 SHEET NUMBER 14 OF 14

SRP

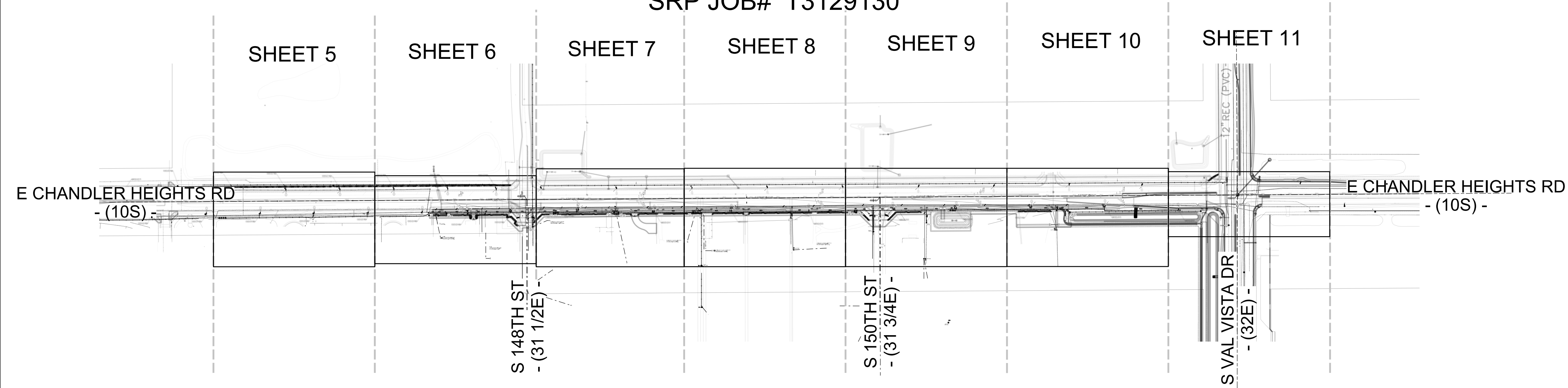
INDEX	
- SHEET 1 - COVER SHEET	
- SHEETS 2 - SCHEMATIC	
- SHEETS 3 & 4 - CONDUIT ONE-LINE	
- SHEETS 5 TO 11 - MAINLINE	
- SHEET 12 - DETAILS, RWCD NOTES	
- SHEET 13 - PROFILES	



**CUS UE BA CHANDLER HEIGHTS RD IMPROV -  
GILBERT RD TO VAL VISTA DR CONV  
CITY PROJECT NO. ST1804.401  
FEDERAL PROJECT NO. CHN-0 (244)D  
ADOT PROJECT NO. T0203 01C  
SRP JOB# T3129130**



**THIS PROJECT REQUIRES  
BUY AMERICA COMPLIANCE**



GRAPHIC SYMBOLS	
	PROPOSED UNDERGROUND TRENCH/BORE
	UNDERGROUND SECONDARY CONDUCTOR
	UNDERGROUND SERVICE CONDUCTOR
	UNDERGROUND STREETLIGHT CONDUCTOR
	EXISTING UNDERGROUND TRENCH/BORE
	CONDUIT DUCT BANK CONFIGURATION
	INDICATES ABANDONMENT
	A MATCHLINES
	(SHADED SYMBOL INDICATES EXISTING FACILITY)
	A OPEN BAR INDICATES PROPOSED FACILITIES
	NO BAR INDICATES EXISTING FACILITIES
	PROPOSED SINGLE-PHASE TRANSFORMER
	PROPOSED THREE-PHASE TRANSFORMER
	PROPOSED FUSING ENCLOSURE
	PROPOSED SWITCHING ENCLOSURE
	PROPOSED 4-WAY SWITCH ENCLOSURE
	PROPOSED 1 PHASE PULLING ENCLOSURE
	PROPOSED 3 PHASE/FEEDER PULLING ENCLOSURE
	PROPOSED 4/0 PRIMARY TAP ENCLOSURE
	PROPOSED CAPACITOR BANK
	PROPOSED MANHOLE
	PROPOSED RISER
	PROPOSED J-BOX
	SERVICE ENTRANCE SECTION
	PROPOSED PULLBOX
	SPLICE POINT
	PROPOSED STREET LIGHT
	INDICATES REMOVAL
	ELECTRONIC MARKER
	WORK POINT NUMBER

TYPICAL SRP ABBREVIATIONS	
C	= CONSTRUCT
R	= REMOVE
T	= TRANSFER
A	= ABANDON
F/SW	= FRONT OF SIDEWALK
B/SW	= BACK OF SIDEWALK
B/C	= BACK OF CURB
E/P	= EDGE OF PAVEMENT
R/W	= RIGHT OF WAY

**Civil Engineering Utility Company Notes  
(Supplemental Conditions of Approval)**

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT M.A.G. STANDARD SPECIFICATIONS AND DETAILS AS SUPPLEMENTED BY THE CITY OF CHANDLER.
- THE CITY ENGINEER'S OFFICE SHALL BE NOTIFIED VIA EMAIL A MINIMUM OF 24 HOURS PRIOR TO STARTING EACH PHASE OF CONSTRUCTION TO PERMIT NOTIFICATION@CHANDLERAZ.GOV. IF SUBCONTRACTORS ARE EMPLOYED, THEY SHALL BE IDENTIFIED AT THIS TIME. EMERGENCY WORK PERFORMED AFTER NORMAL WORK HOURS SHALL BE REPORTED TO THE POLICE DISPATCHER AT (480) 782-4132.
- ALL STREET CROSSINGS SHALL BE BORED USING HORIZONTAL DIRECTIONAL DRILLING (H.D.D.) IN ACCORDANCE WITH M.A.G. SECTION 608 AND CITY OF CHANDLER SUPPLEMENTAL SPECIFICATIONS UNLESS APPROVAL TO OPEN CUT HAS BEEN RECEIVED FROM THE CITY ENGINEER AND SUCH APPROVAL HAS BEEN NOTED ON THE PERMIT. ALL PAVEMENT REPLACEMENT SHALL BE IN ACCORDANCE WITH M.A.G. STANDARD DETAIL 200, "T" TOP, WITH FULL DEPTH ABC BACKFILL.
- TRAFFIC CONTROL SHALL BE MAINTAINED IN ACCORDANCE WITH THE CHANDLER TRAFFIC BARRICADE MANUAL. TRAFFIC RESTRICTIONS ARE NOT PERMITTED ON ARTERIALS AND MAJOR COLLECTORS PRIOR TO 8:30 A.M. OR AFTER 4 P.M.
- RESTRICTIONS IN ALLEYS WILL BE COORDINATED IN ADVANCE WITH THE SOLID WASTE SERVICES DIVISION (480) 782-3510.
- PERMITS ARE REQUIRED FOR ALL WORK IN CITY RIGHTS-OF-WAY. A COPY OF THE PERMIT AND APPROVED PLAN SHALL BE AVAILABLE AT THE JOB SITE. FAILURE TO SECURE PERMITS PRIOR TO STARTING CONSTRUCTION WILL RESULT IN THE ASSESSMENT OF PENALTY FEES.
- ALL WORK IN THE RIGHT-OF-WAY SHALL BE COMPACTION TESTED AND RESULTS KEPT ON FILE FOR A MINIMUM OF ONE YEAR.
- ANY DAMAGE TO IRRIGATION SYSTEMS WITHIN THE CITY RIGHT-OF-WAY SHALL BE REPAIRED, WITHIN 48 HOURS OF SAID DAMAGE, TO PREVENT LOSS OF LANDSCAPE MATERIAL.
- WHEN TRENCHING IN ALLEYS, ALL TRENCH SPOIL SHALL BE REMOVED FROM THE AREA AND ALL TRENCH BACKFILL SHALL BE AGGREGATE BASE IN CONFORMANCE WITH M.A.G. SECTION 702.2 AND INSTALLED PER SECTION 601.4.4, BACKFILL TYPE I (PER TABLE 601-2). A MINIMUM OF 24" DEPTH OF COVER SHALL BE MAINTAINED BY ALL UNDERGROUND FACILITIES INSTALLED IN THE ALLEY AND THE ALLEY SURFACE OVER AND ADJACENT TO THE TRENCH SHALL BE NEAT AND CLEAN OF ALL SPOIL.

- WHEN CONTRACTORS OR UTILITY COMPANIES CALL IN FOR BLUESTAKING OR CONSTRUCTION AREAS, "SEMI-PERMANENT", OR APPROVED ALTERNATE 3-6 MONTH DURATION BLUE-STAKE PAINT SHALL BE SPECIFIED. IN ADDITION, "STAKE CHASERS" WILL BE SPECIFIED FOR MARKING ACROSS LANDSCAPED YARDS/AREAS.

UTILITY COMPANIES OR CONTRACTORS FOR UTILITY COMPANIES THAT EMPLOY INDISCRIMINATE/EXCESSIVE BLUE-STAKE MARKING ACROSS RESIDENTIAL/BUSINESS DRIVEWAYS OR YARDS WILL BE RESPONSIBLE FOR RESTORING RIGHT-OF-WAY, UTILITY EASEMENT, AND/OR ADJOINING PROPERTY OWNERS AREA TO ITS ORIGINAL UNMARKED CONDITION.

EXCEPTION: FOR LONG DURATION CONSTRUCTION PROJECTS ON MAJOR ARTERIALS OR MAJOR STREETS, OR CERTAIN SPECIALTY TYPE CONSTRUCTION PROJECTS, THE CONTRACTOR/UTILITY COMPANY MAY ASK THE CITY ENGINEER FOR APPROVAL TO USE LONGER DURATION BLUE-STAKE PAINT. IN ADDITION, IF THE REMOVAL OF "STAKE CHASERS" OCCURS OR IS EXPECTED TO RESULT, THE CONTRACTOR/UTILITY COMPANY MAY ASK THE CITY ENGINEER FOR APPROVAL TO USE BLUE-STAKE PAINT MARKING ACROSS LANDSCAPED AREAS.

- UTILITY CLEARANCE REQUIREMENTS: ANY AND ALL MORE STRINGENT SEPARATION REQUIREMENTS REQUIRED BY FEDERAL, STATE, OR LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.

A SIX-FOOT MINIMUM HORIZONTAL SEPARATION FROM THE EXTERIOR WALL OF ANY UNDERGROUND DRY UTILITY SHALL BE PROVIDED TO THE EXTERIOR WALL OF WATER AND SEWER MAINS. ALL FIRE LINES, REGARDLESS OF SIZE (INCLUDING HYDRANTS AND OTHER FIRE SERVICE CONNECTIONS) ARE CONSIDERED MAINS.

A THREE-FOOT MINIMUM HORIZONTAL SEPARATION FROM THE EXTERIOR WALL OF ANY UNDERGROUND DRY UTILITY SHALL BE PROVIDED TO THE EXTERIOR WALL OF WATER AND SEWER SERVICES. REFER TO M.A.G. SECTION 608 AND CITY OF CHANDLER SUPPLEMENTAL SPECIFICATIONS FOR HORIZONTAL DIRECTIONAL DRILLING (H.D.D.) CLEARANCE REQUIREMENTS.

A TWO-FOOT MINIMUM VERTICAL SEPARATION FROM THE EXTERIOR WALL OF ANY UNDERGROUND DRY UTILITY SHALL BE PROVIDED TO THE EXTERIOR WALL OF ANY WET UTILITIES.

FOR ADDITIONAL INFORMATION REGARDING STANDARD UTILITY LOCATIONS REFER TO THE CITY OF CHANDLER STANDARD DETAILS AND SPECIFICATIONS, STREET SERIES, C-200 - C-259.

DEPTH REQUIREMENTS SHALL BE IN ACCORDANCE WITH CITY OF CHANDLER MINIMUM COVER REQUIREMENTS OR AT THE DISCRETION OF THE CITY ENGINEER.

**GENERAL NOTES:**

- CUSTOMER TO PROVIDE TRENCH, CONDUIT, J-BOXES, BLUE TOP AT THE EQUIPMENT LOCATIONS AND THE STAKING OF STREETLIGHT LOCATIONS.
- ALL STREET LIGHT LOCATIONS TO BE STAKED BY CONTRACTOR PER CITY OF CHANDLER APPROVED STREET LIGHT PLANS. SRP J-BOX TO BE LOCATED WITHIN 15' OF STREET LIGHT LOCATIONS.
- STREET LIGHT LOCATIONS ARE SHOWN FOR REFERENCE ONLY. CUSTOMER IS RESPONSIBLE FOR STAKING STREET LIGHT LOCATIONS PER THE APPROVED STREET LIGHT PLANS.
- STREETLIGHT CONDUIT TO BE INSTALLED ON THIS JOB, STREETLIGHT J-BOXES, CONDUCTOR, & MOLE ASSEMBLIES TO BE INSTALLED ON T3129130.

**CONTRACT CIVIL/CONDUIT CREW:**

OBTAIN THESE SRP STANDARD DETAILS NEEDED TO CORRECTLY CONSTRUCT THIS JOB. THEY CAN BE FOUND UNDER "UNDERGROUND DISTRIBUTION CONSTRUCTION STANDARDS" AT:

<https://srpnet.com/menu/electricbiz/specs.aspx>

- 8513E112.DGN - GROUND ROD ASSEMBLY
- 8513E135.DGN - TRENCHING
- 8513E123.DGN - 9' x 9' MANHOLE, CABLE RACKING
- 8513E356.DGN - 2/0 BARE COPPER NEUTRALS MANHOLE CONNECTIONS
- 8513E168.DGN - 750 MCM FEEDER PULLING ENCLOSURE
- 8513E1.DGN - CONDUIT ELBOW REINFORCEMENT DETAILS
- 8513E196.DGN - DIRECT BURIED CONDUIT
- 8513E500.DGN - CABLE END MOISTURE SEAL
- 8513E111.DGN - GUARD POST
- 8513E189.DGN - FEEDER RISER POLE MOUNTED DISCONNECTS
- 8513E12.DGN - SPOOL-DUCT OR PVC TO SPOOL-DUCT JOINT
- 8513E174.DGN - SPOOLED DUCT AND CONDUIT STUB-OUTS
- 8513E102.DGN - 5' x 3' x 3' PULL BOX FLUSH MOUNT (LOAD BEARING)

**Approved for Construction**  
CC: Joe Cordeiro 30 May 2024

**NOTICE**

THIS JOB ORDER INVOLVES OVERHEAD, UNDERGROUND AND / OR SERVICES

OVERHEAD# T3129119  
OH RELOC# \_\_\_\_\_  
UG STREETLIGHT# \_\_\_\_\_  
UNDERGROUND# T3129125

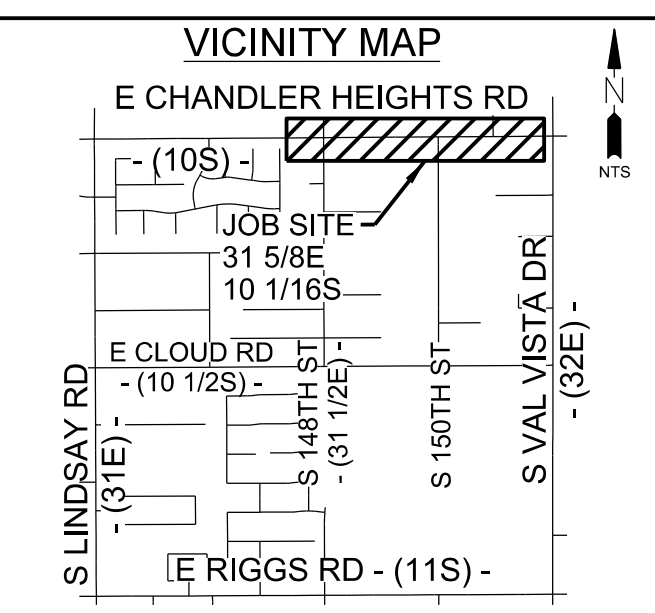
**CONTACTS:**

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PROJECT LEADER:  
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MOBILE: (602) 7486687

INSPECTIONS:  
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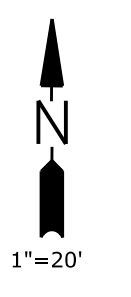
**SURVEY AND PERMIT INFORMATION**

- SRP SURVEY TO STAKE FOR LOCATION AND TIE FOR EASEMENTS. CUSTOMER CONTROL POINTS REQUIRED: YES  NO
- CUSTOMER'S SURVEY TO STAKE FOR LOCATION/CONSTRUCTION AND TIE FOR EASEMENTS. CUSTOMER'S SURVEYOR MUST ATTEND PRE-CON MEETING.
- SRP SURVEY TO STAKE FOR LOCATION, NO EASEMENT REQUIRED.
- 3RD PARTY EASEMENT REQUIRED.
- NO SURVEY REQUIRED.
- PERMIT REQUIRED: CITY OF CHANDLER COUNTY \_\_\_\_\_ OTHER \_\_\_\_\_ PERMIT NO. \_\_\_\_\_
- NO PERMIT REQ.

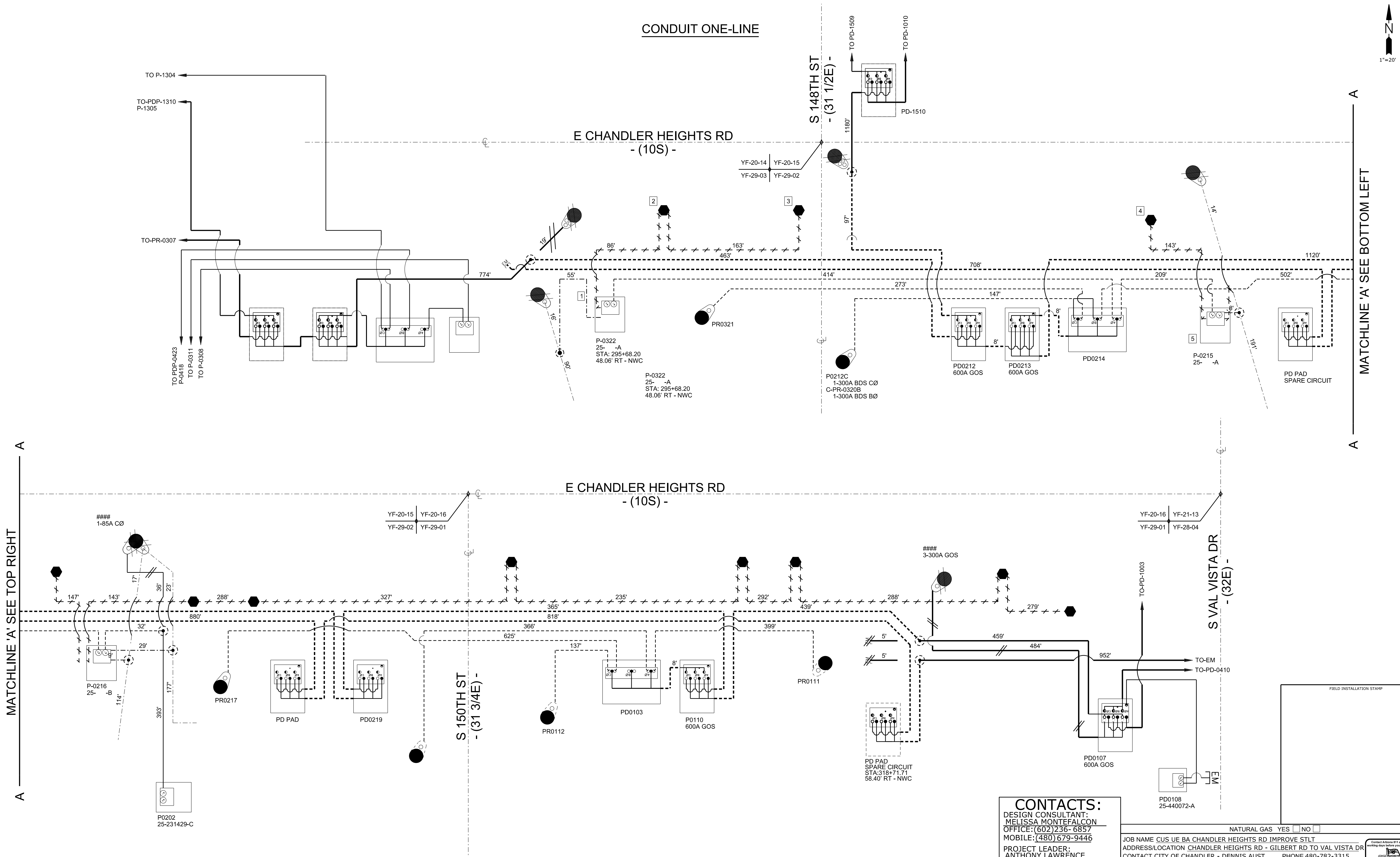
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③	
②	
①	

JOB NAME CUS UE BA CHANDLER HEIGHTS RD IMPROVE STLT  
ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR  
CONTACT CITY OF CHANDLER - DENNIS AUST PHONE 480-782-3315  
BILLING ACCT NO. \_\_\_\_\_  
FIS JO MAP 14NE S 29T 2SR 6E  
40/ACRE YF-29-02 COORDS 31 7/8 E - 10 1/16 S  
AMP WO T3129130 AMP VERSION \_\_\_\_\_  
COST CENTER 22660  
ROUTING CODE DD1\_5CSI+0





CONDUIT ONE-LINE



MATCHLINE 'A' SEE TOP RIGHT

MATCHLINE 'A' SEE BOTTOM LEFT

**CONTACTS:**

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JOE CORDEIRO  
MOBILE: (602) 402-0858

NATURAL GAS YES  NO

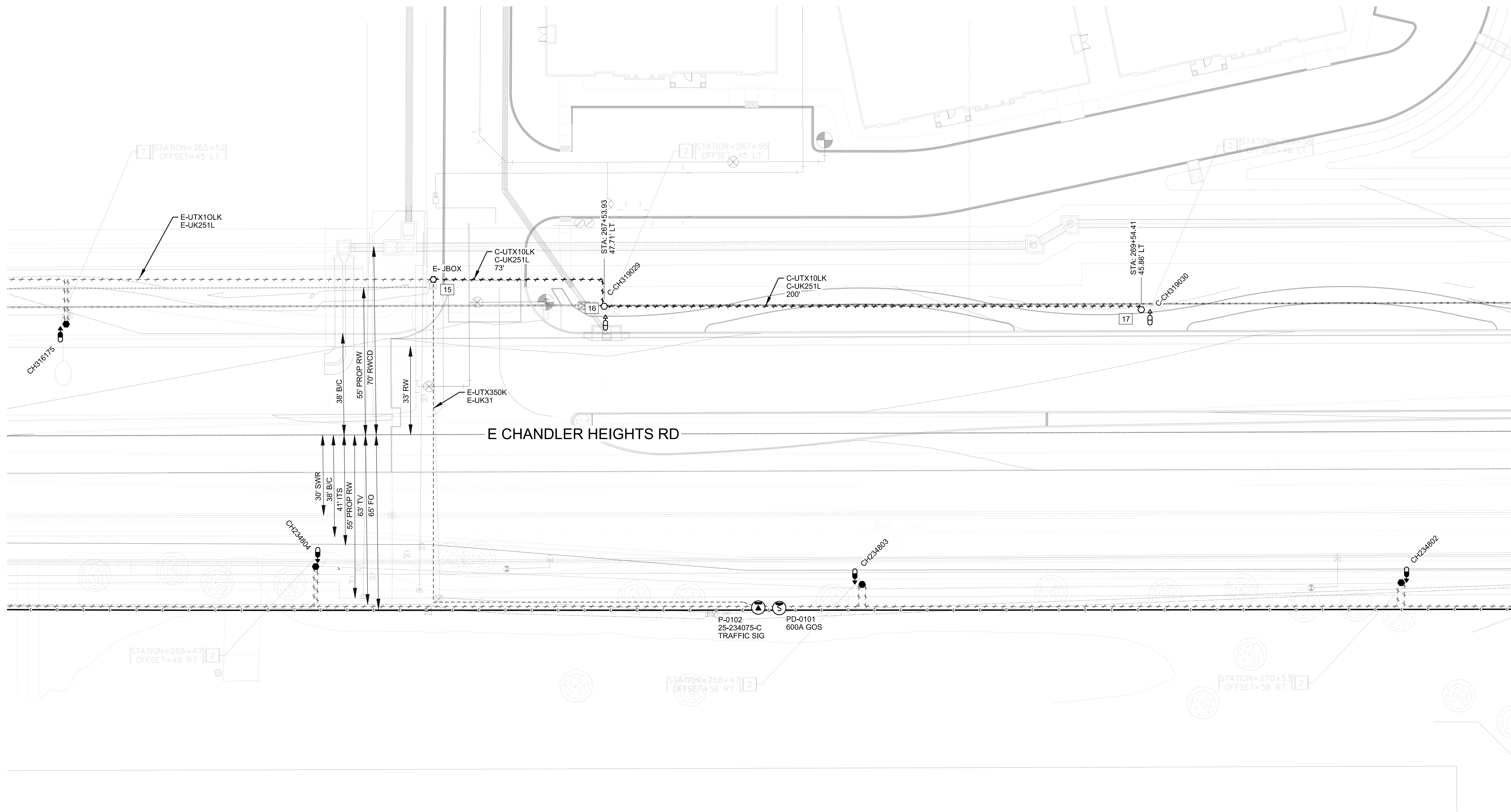
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FIELD INSTALLATION STAMP

Call 811 or click Arizona811.com



MAINLINE



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 JOE CORDEIRO  
 MOBILE: (602) 402-0858



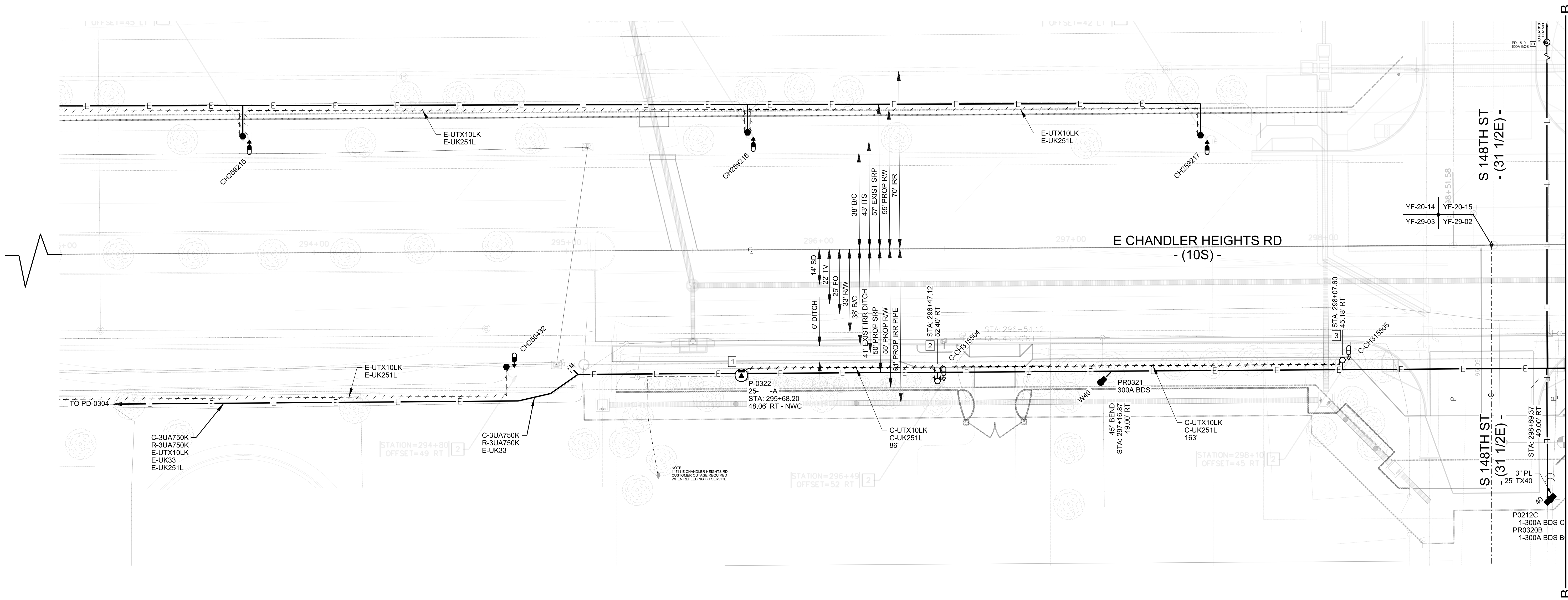
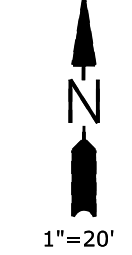
NATURAL GAS YES  NO

JOB NAME CUS UE BA CHANDLER HEIGHTS RD IMPROVE STLT  
 ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR  
 CONTACT CITY OF CHANDLER - DENNIS AUST PHONE 480-782-3315  
 BILLING ACCT NO. \_\_\_\_\_  
 FIS JO \_\_\_\_\_ MAP 1/4NE S 29T 2SR 6E  
 40/ACRE YF-29-02 COORDS 31 7/8 E - 10 1/16 S  
 AMP WO T3129130 AMP VERSION \_\_\_\_\_  
 COST CENTER 22660  
 ROUTING CODE DD1\_5CSI+0

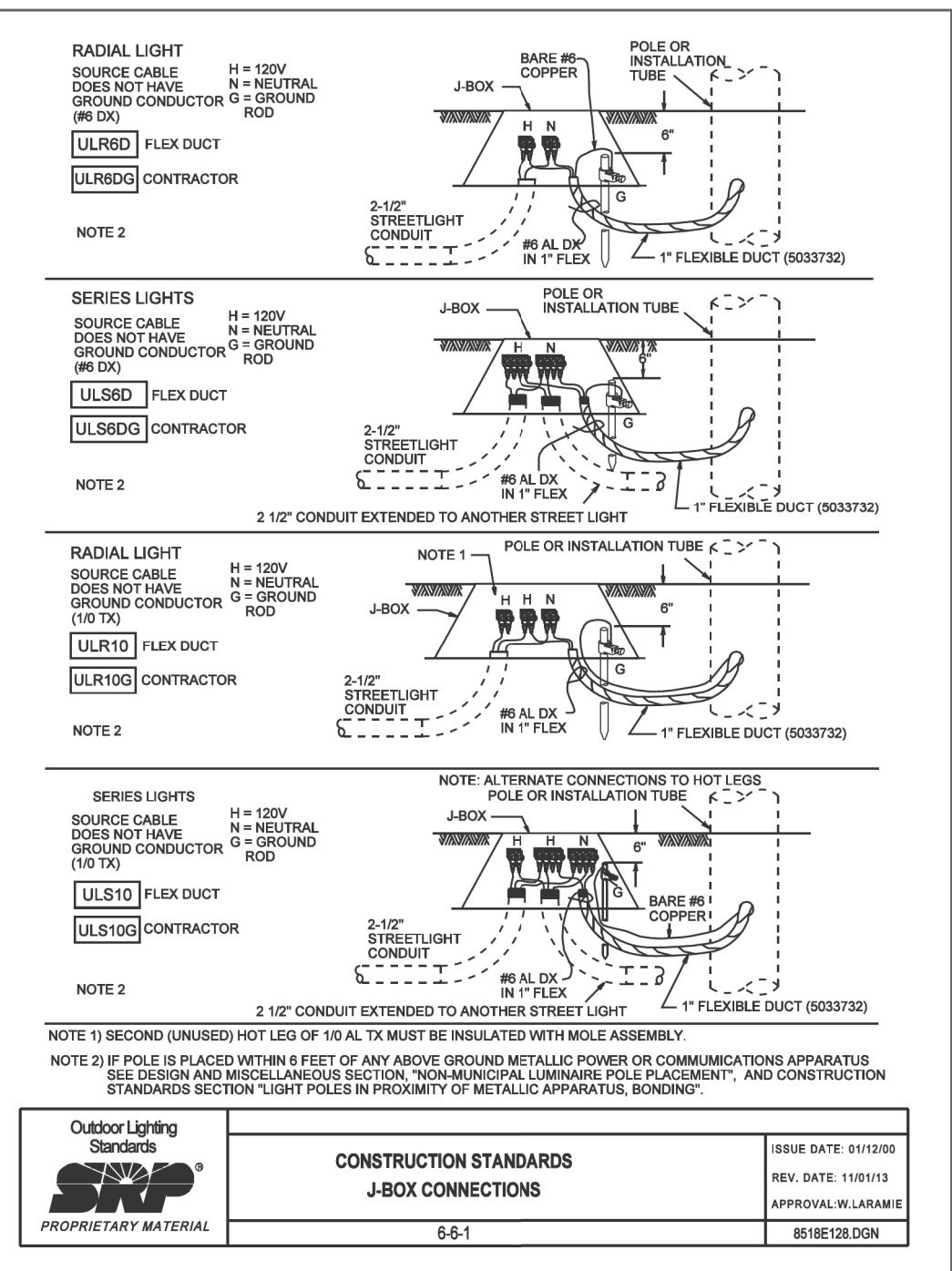
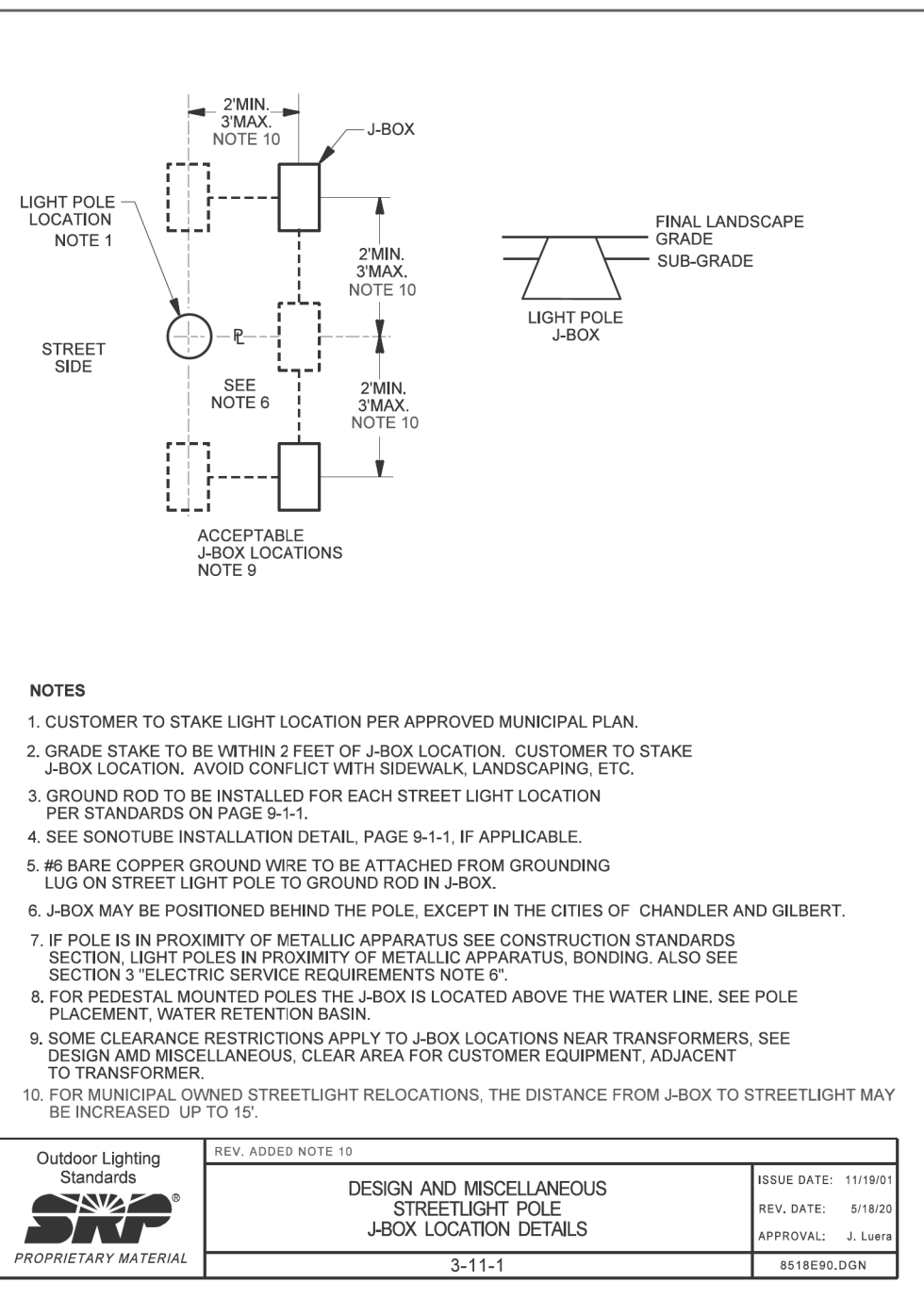
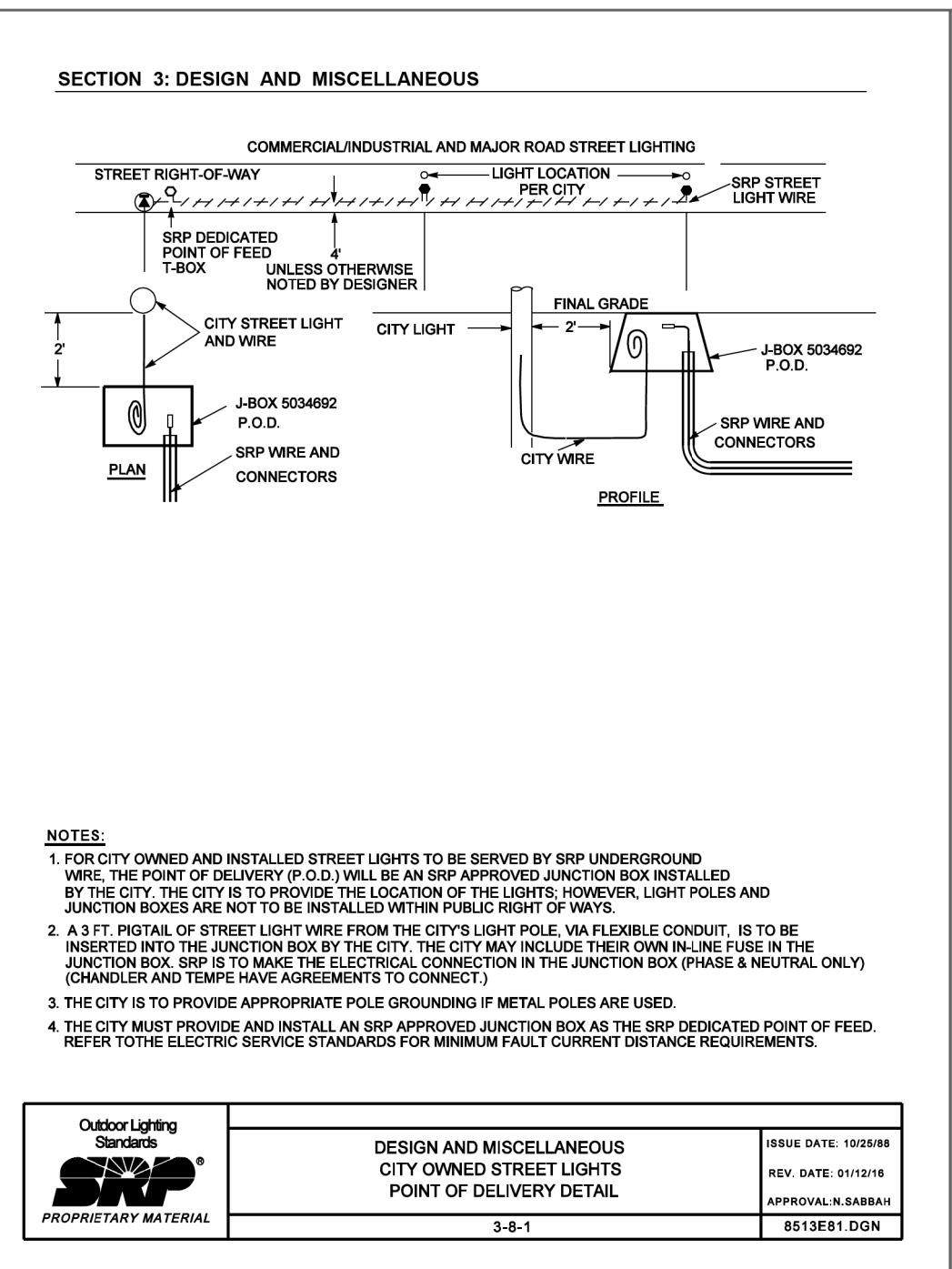
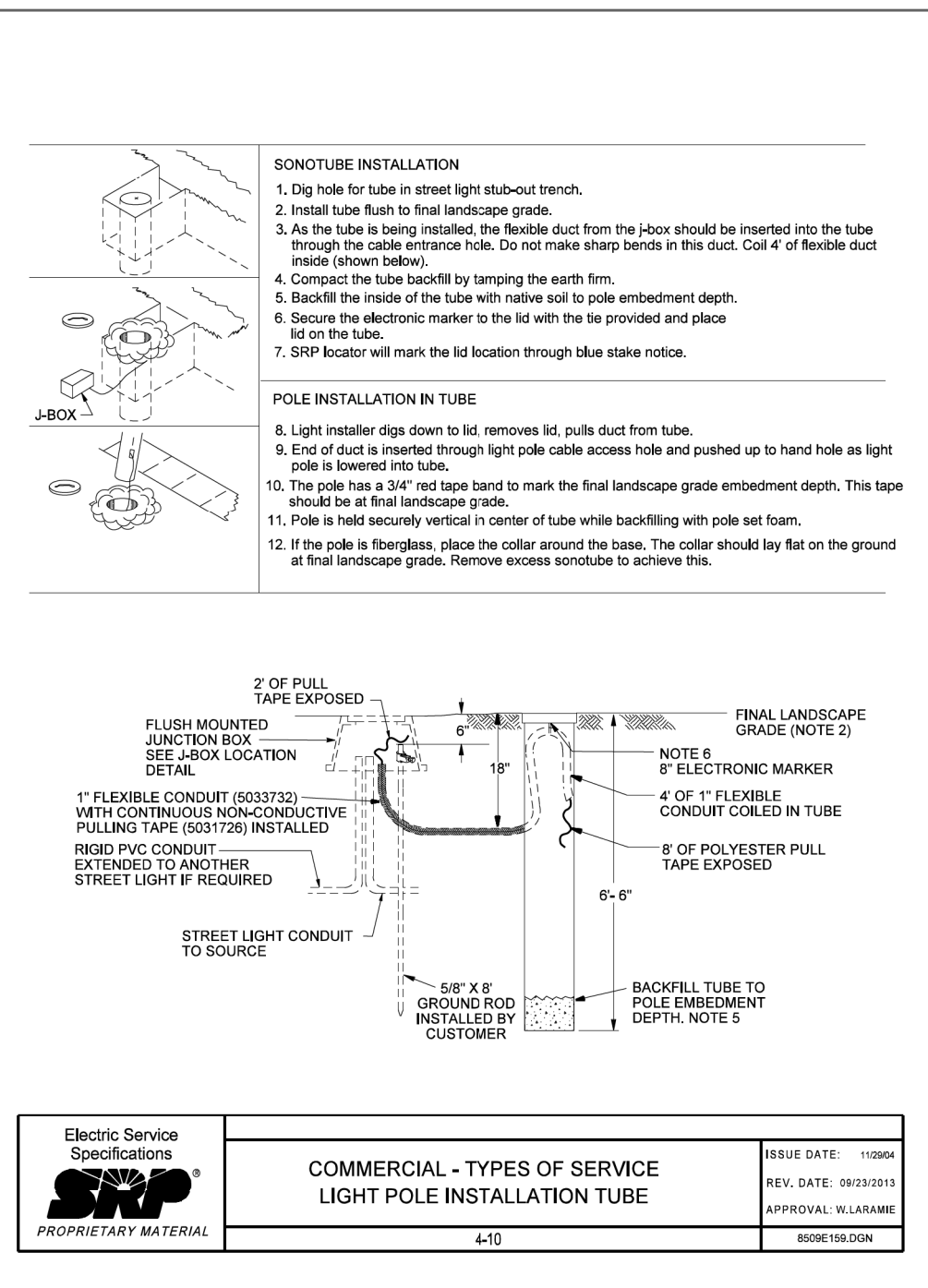


SHEET NUMBER 3 OF 9

MAINLINE



MATCHLINE STA: 299+00 - SEE SHEET 4



**NOTES:**  
 1. FOR CITY OWNED AND INSTALLED STREET LIGHTS TO BE SERVED BY SRP UNDERGROUND WIRE, THE POINT OF DELIVERY (P.O.D.) WILL BE AN SRP APPROVED JUNCTION BOX INSTALLED BY THE CITY. THE CITY IS TO PROVIDE THE LOCATION OF THE LIGHTS, HOWEVER, LIGHT POLES AND JUNCTION BOXES ARE NOT TO BE INSTALLED WITHIN PUBLIC RIGHT-OF-WAYS.  
 2. A 3 FT. PORTAL OF STREET LIGHT WIRE FROM THE CITY'S LIGHT POLE, VIA FLEXIBLE CONDUIT, IS TO BE INSERTED INTO THE JUNCTION BOX BY THE CITY. THE CITY MAY INCLUDE THEIR OWN IN-LINE FUSE IN THE JUNCTION BOX. SRP IS TO MAKE THE ELECTRICAL CONNECTION IN THE JUNCTION BOX (PHASE & NEUTRAL ONLY) (CHANDLER AND TEMPE HAVE AGREEMENTS TO CONNECT).  
 3. THE CITY IS TO PROVIDE APPROPRIATE POLE GROUNDING IF METAL POLES ARE USED.  
 4. THE CITY MUST PROVIDE AND INSTALL AN SRP APPROVED JUNCTION BOX AS THE SRP DEDICATED POINT OF FEED. REFER TO THE ELECTRIC SERVICE STANDARDS FOR MINIMUM FAULT CURRENT DISTANCE REQUIREMENTS.

**NOTES:**  
 1. CUSTOMER TO STAKE LIGHT LOCATION PER APPROVED MUNICIPAL PLAN.  
 2. GRADE STAKE TO BE WITHIN 2 FEET OF J-BOX LOCATION. CUSTOMER TO STAKE J-BOX LOCATION. AVOID CONFLICT WITH SIDEWALK, LANDSCAPING, ETC.  
 3. GROUND ROD TO BE INSTALLED FOR EACH STREET LIGHT LOCATION PER STANDARDS ON PAGE 9-1-1.  
 4. SEE SONOTUBE INSTALLATION DETAIL, PAGE 9-1-1, IF APPLICABLE.  
 5. #6 BARE COPPER GROUND WIRE TO BE ATTACHED FROM GROUNDING LUG ON STREET LIGHT POLE TO GROUND ROD IN J-BOX.  
 6. J-BOX MAY BE POSITIONED BEHIND THE POLE, EXCEPT IN THE CITIES OF CHANDLER AND GILBERT.  
 7. IF POLE IS IN PROXIMITY OF METALLIC APPARATUS SEE CONSTRUCTION STANDARDS SECTION 3 "ELECTRIC SERVICE REQUIREMENTS" NOTE 9.  
 8. FOR PEDESTAL MOUNTED POLES THE J-BOX IS LOCATED ABOVE THE WATER LINE. SEE POLE PLACEMENT, WATER RETENTION BASIN.  
 9. SOME CLEARANCE RESTRICTIONS APPLY TO J-BOX LOCATIONS NEAR TRANSFORMERS. SEE DESIGN AND MISCELLANEOUS, CLEAR AREA FOR CUSTOMER EQUIPMENT, ADJACENT TO TRANSFORMER.  
 10. FOR MUNICIPAL OWNED STREETLIGHT RELOCATIONS, THE DISTANCE FROM J-BOX TO STREETLIGHT MAY BE INCREASED UP TO 15'.

**CONTACTS:**  
 DESIGN CONSULTANT:  
 MELISSA MONTEFALCON  
 OFFICE: (602)236-6857  
 MOBILE: (480)679-9446  
 PROJECT LEADER:  
 ANTHONY LAWRENCE  
 MOBILE: (602)7486687  
 INSPECTIONS:  
 OFFICE: (602)236-0436  
 CONSTRUCTION CONSULTANT:  
 JOE CORDEIRO  
 MOBILE: (602)402-0858

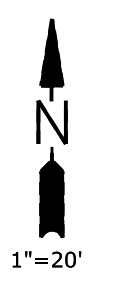
NATURAL GAS YES  NO   
 JOB NAME CUS UE BA CHANDLER HEIGHTS RD IMPROVE STLT  
 ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR  
 CONTACT CITY OF CHANDLER - DENNIS AUST PHONE 480-782-3315  
 BILLING ACCT NO. \_\_\_\_\_  
 FIS JO MAP 14NE S 29T 25R 6E  
 40/ACRE YF-29-02 COORDS 31 7/8 E - 10 1/16 S  
 AMP WO T3129130 AMP VERSION \_\_\_\_\_  
 COST CENTER 22660  
 ROUTING CODE DD1.5CSI+0 SHEET NUMBER 4 OF 9

	Electric Service Specifications PROPRIETARY MATERIAL	COMMERCIAL - TYPES OF SERVICE LIGHT POLE INSTALLATION TUBE 4-10	ISSUE DATE: 11/06/08 REV. DATE: 01/23/10 APPROVAL: M.LAWRENCE 851892.DGN
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	Outdoor Lighting Standards PROPRIETARY MATERIAL	DESIGN AND MISCELLANEOUS CITY OWNED STREET LIGHTS POINT OF DELIVERY DETAIL 3-8-1	ISSUE DATE: 10/06/08 REV. DATE: 01/23/10 APPROVAL: M.LAWRENCE 851891.DGN
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	Outdoor Lighting Standards PROPRIETARY MATERIAL	DESIGN AND MISCELLANEOUS STREET LIGHT POLE J-BOX LOCATION DETAILS 3-11-1	ISSUE DATE: 11/09/10 REV. DATE: 5/18/2013 APPROVAL: J. LUNA 851890.DGN
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	Outdoor Lighting Standards PROPRIETARY MATERIAL	CONSTRUCTION STANDARDS J-BOX CONNECTIONS 6-6-1	ISSUE DATE: 01/10/09 REV. DATE: 11/01/13 APPROVAL: M.LAWRENCE 851812.DGN
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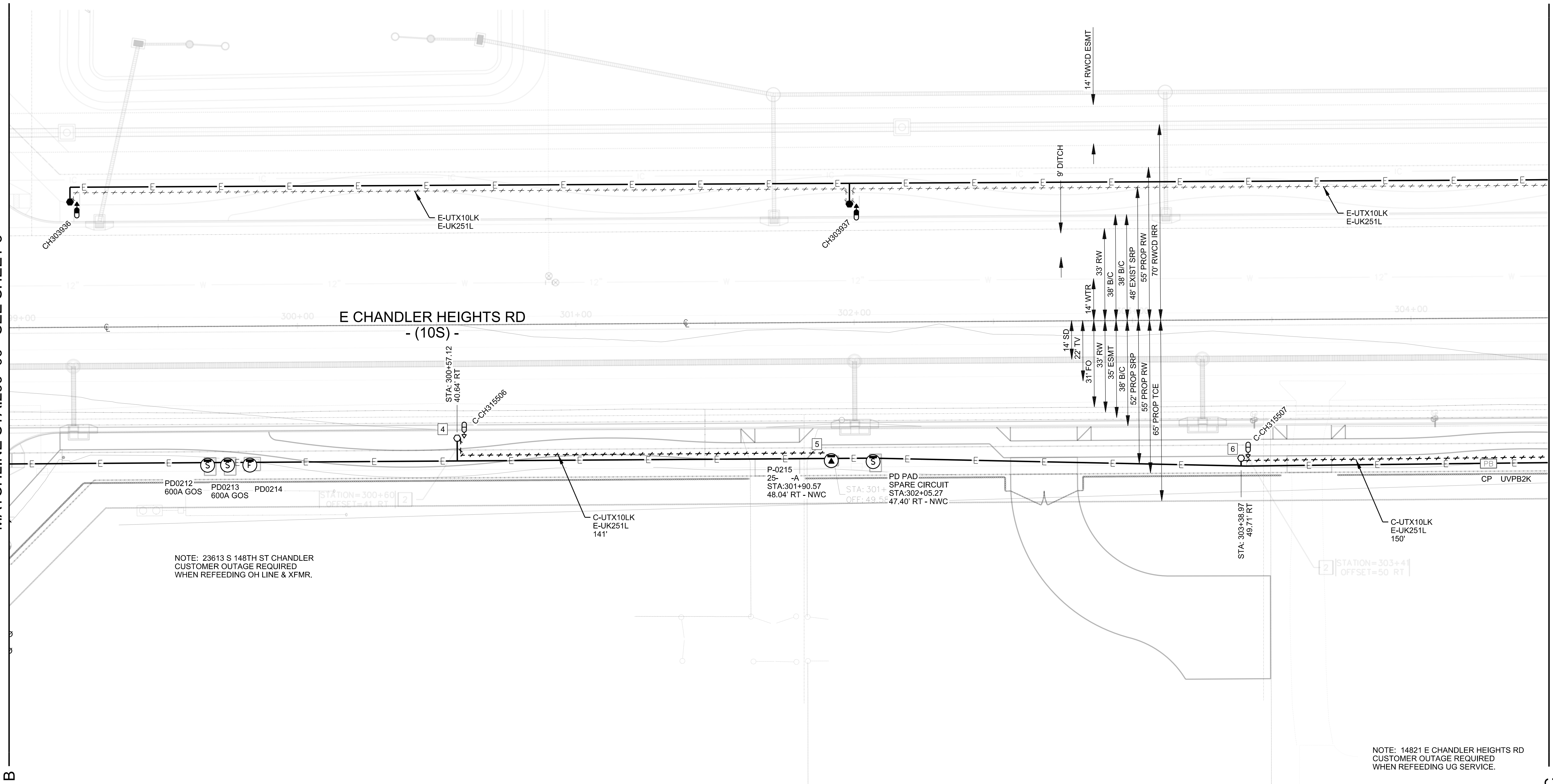
MAINLINE

B

C

MATCHLINE STA:299+00 - SEE SHEET 3

MATCHLINE STA:304+50 - SEE SHEET 5



CONTACTS:

DESIGN CONSULTANT:  
MELISSA MONTEFALCON  
OFFICE:(602)236-6857  
MOBILE:(480)679-9446

PROJECT LEADER:  
ANTHONY LAWRENCE  
MOBILE:(602)7486687

INSPECTIONS:  
OFFICE:(602)236-0436

CONSTRUCTION CONSULTANT:  
JOE CORDEIRO  
MOBILE:(602)402-0858

NATURAL GAS YES  NO

JOB NAME CUS UE BA CHANDLER HEIGHTS RD IMPROVE STLT  
ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR  
CONTACT CITY OF CHANDLER - DENNIS AUST PHONE 480-782-3315  
BILLING ACCT NO. \_\_\_\_\_

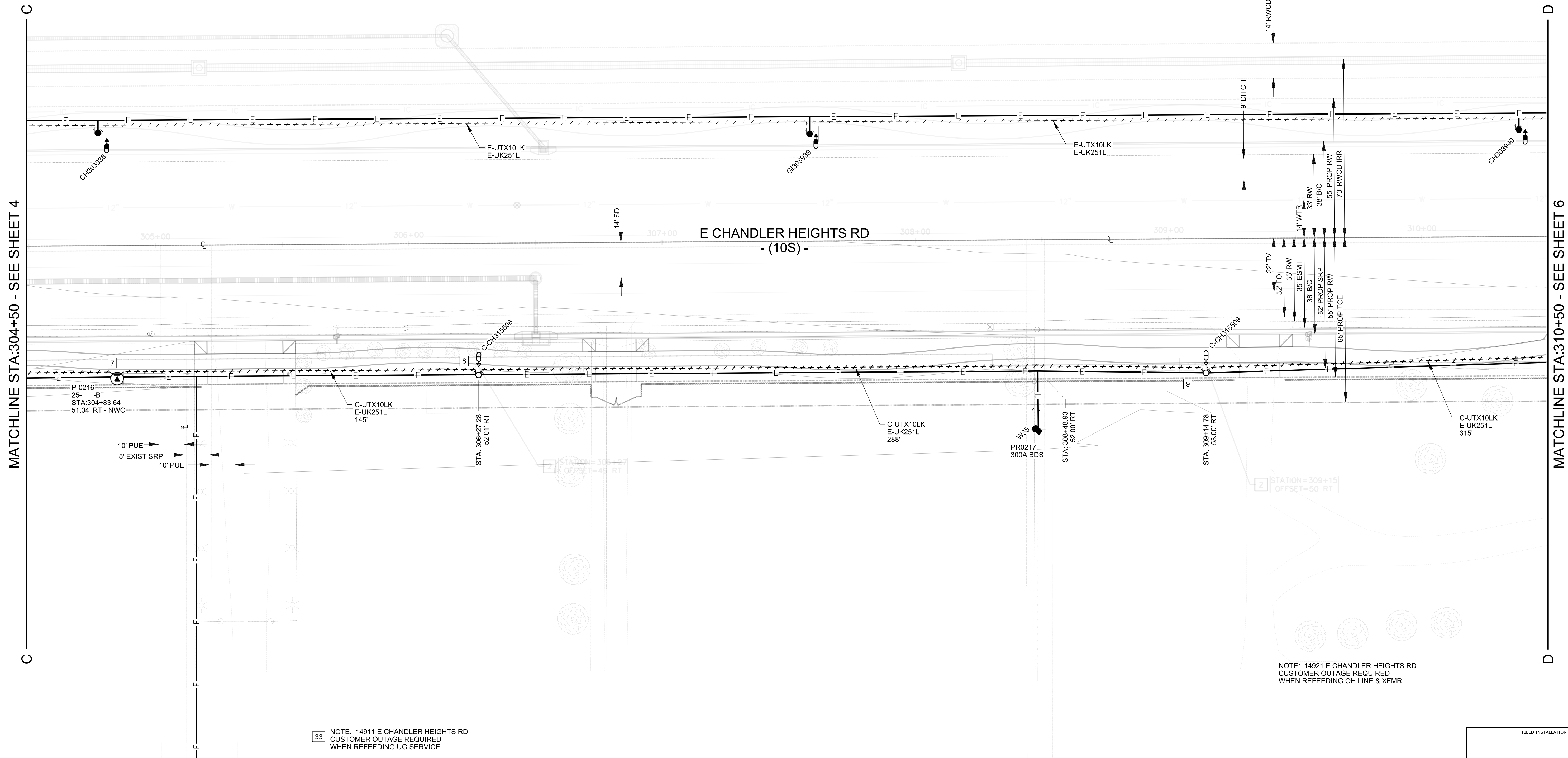
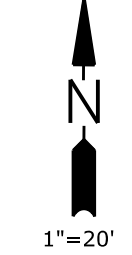
FIS JO \_\_\_\_\_ MAP 1/4NE S 29T 2SR 6E  
40/ACRE YF-29-02 COORDS 31 7/8 E - 10 1/16 S  
AMP WO T3129130 AMP VERSION \_\_\_\_\_

COST CENTER 22660  
ROUTING CODE DD1.5CSI+0

FIELD INSTALLATION STAMP

SRP  
Call 811 or click Arizona11.com

MAINLINE



NOTE: 14921 E CHANDLER HEIGHTS RD  
CUSTOMER OUTAGE REQUIRED  
WHEN REFEEDING OH LINE & XFMR.

33 NOTE: 14911 E CHANDLER HEIGHTS RD  
CUSTOMER OUTAGE REQUIRED  
WHEN REFEEDING UG SERVICE.

FIELD INSTALLATION STAMP

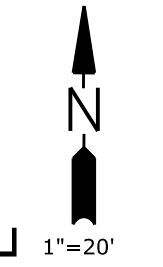
**CONTACTS:**  
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 OFFICE:(602)236-6857  
 MOBILE:(480)679-9446  
 PROJECT LEADER:  
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 MOBILE:(602)7486687  
 INSPECTIONS:  
 OFFICE:(602)236-0436  
 CONSTRUCTION CONSULTANT:  
 JOE CORDEIRO  
 MOBILE:(602)402-0858

NATURAL GAS YES  NO

JOB NAME CUS UE BA CHANDLER HEIGHTS RD IMPROVE STLT  
 ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR  
 CONTACT CITY OF CHANDLER - DENNIS AUST PHONE 480-782-3315  
 BILLING ACCT NO. \_\_\_\_\_  
 FIS JO \_\_\_\_\_ MAP 1/4 NE S 29T 25R 6E  
 40/ACRE YF-29-02 COORDS 31 7/8 E - 10 1/16 S  
 AMP WO T3129130 AMP VERSION \_\_\_\_\_  
 COST CENTER 22660  
 ROUTING CODE DD1.5CSI+0

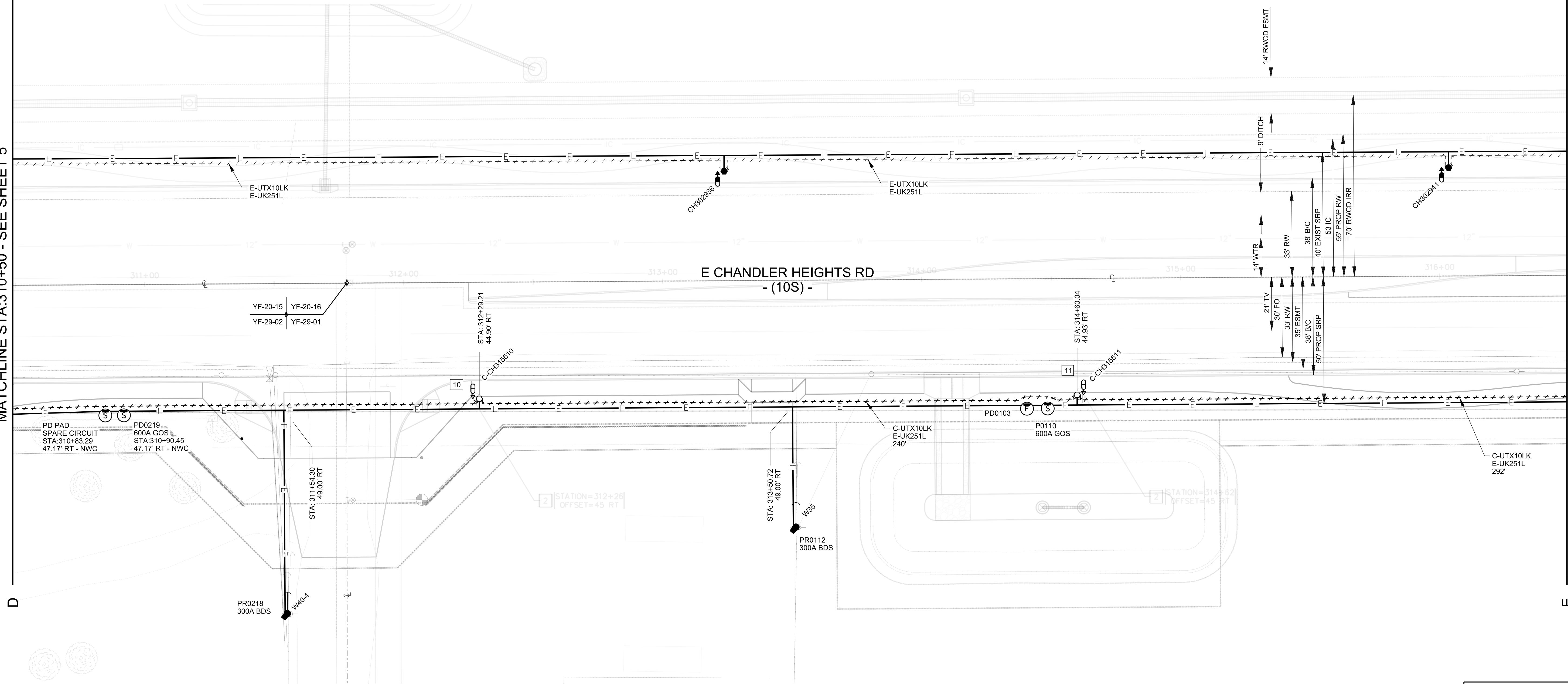


MAINLINE



MATCHLINE STA:310+50 - SEE SHEET 5

MATCHLINE STA:316+50 - SEE SHEET 7



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 CONSTRUCTION CONSULTANT:  
 JOE CORDEIRO  
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NATURAL GAS YES  NO

JOB NAME CUS UE BA CHANDLER HEIGHTS RD IMPROVE STLT  
 ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR  
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 BILLING ACCT NO. \_\_\_\_\_  
 FIS JO \_\_\_\_\_ MAP 1/4NE S 29T 2SR 6E  
 40/ACRE YF-29-02 COORDS 31 7/8 E - 10 1/16 S  
 AMP WO T3129130 AMP VERSION \_\_\_\_\_  
 COST CENTER 22660  
 ROUTING CODE DD1.5CSI+0

SHEET NUMBER 7 OF 9



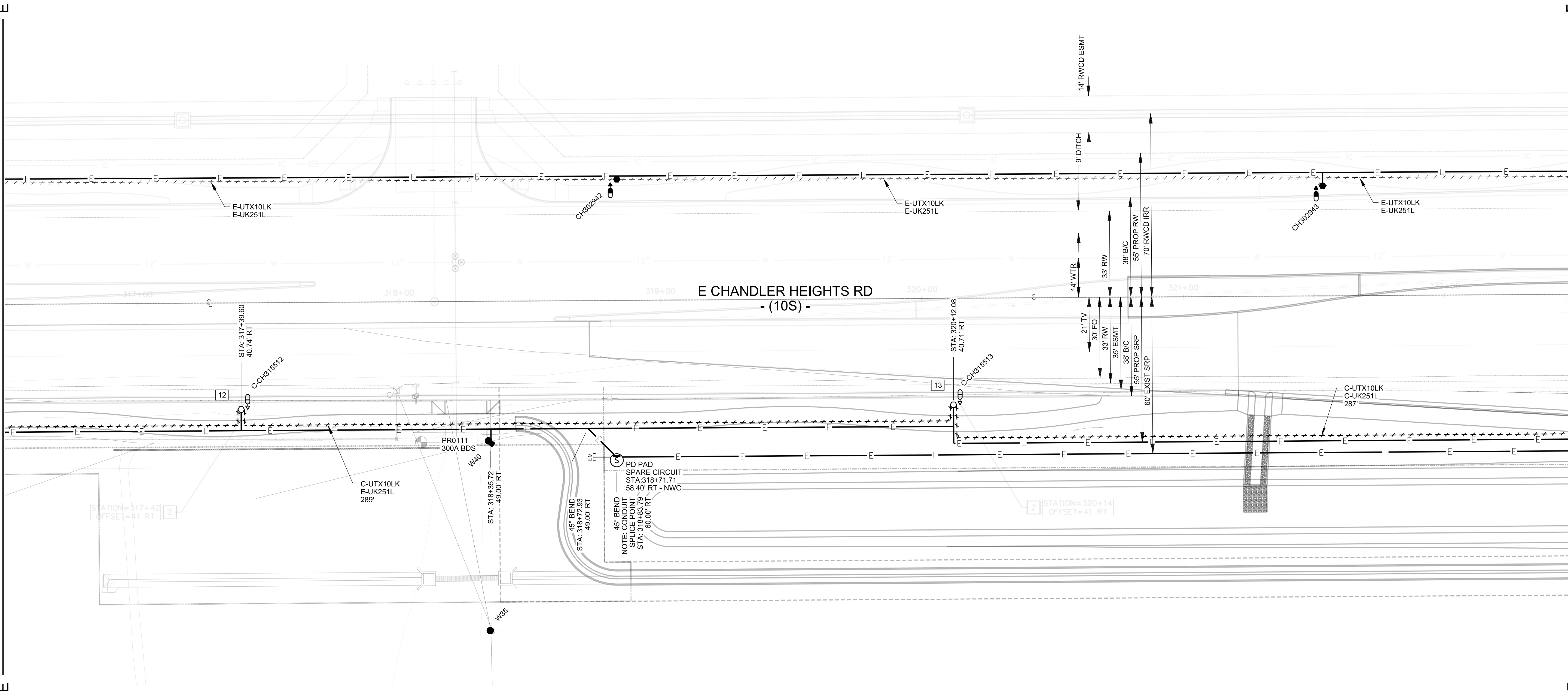
MAINLINE



MATCHLINE STA:316+50 - SEE SHEET 6

MATCHLINE STA:322+50 - SEE SHEET 8

E CHANDLER HEIGHTS RD  
- (10S) -



STATION=317+42  
OFFSET=41 RT

STA: 317+39.60  
40.74' RT

C-UTX10LK  
E-UK251L  
289'

STA: 318+35.72  
49.00' RT

45° BEND  
STA: 318+72.93  
49.00' RT

PD PAD  
SPARE CIRCUIT  
STA: 318+71.71  
58.40' RT - NWC

NOTE CONDUIT  
SPICE POINT  
STA: 318+83.79  
60.00' RT

STA: 320+12.08  
40.71' RT

STATION=320+14  
OFFSET=41 RT

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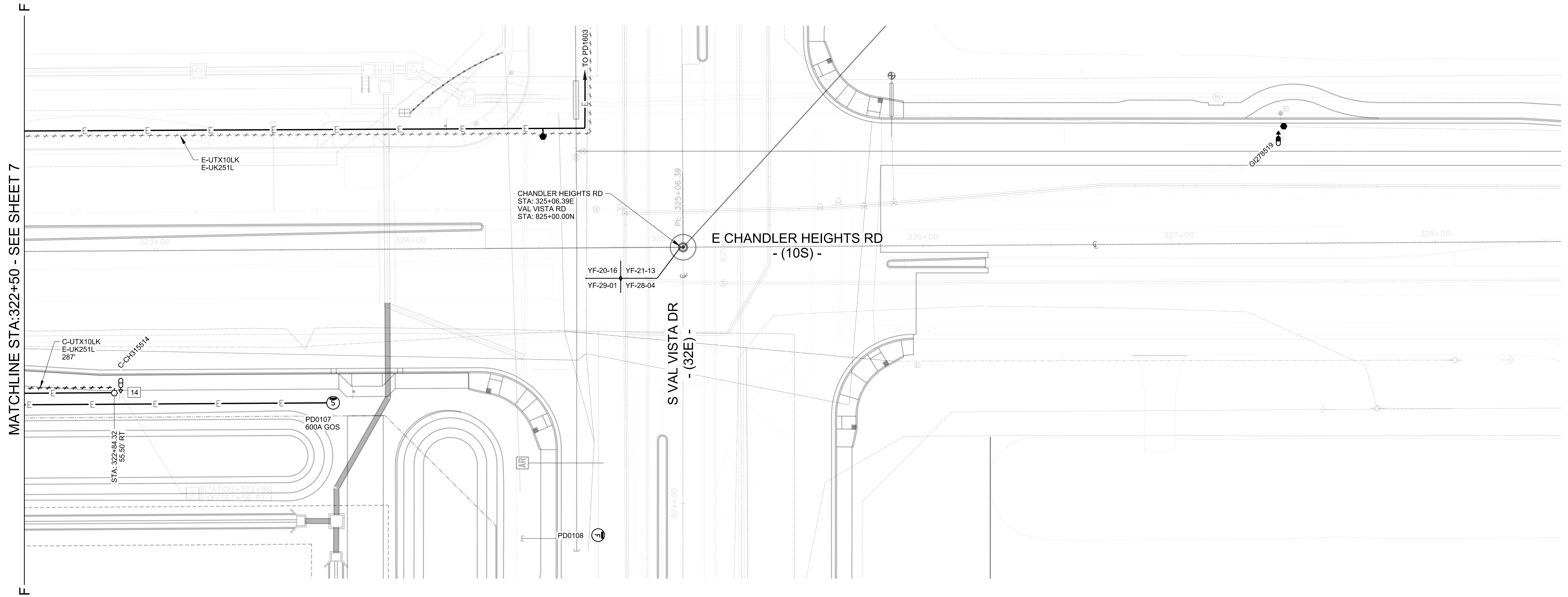
NATURAL GAS YES  NO

JOB NAME CUS UE BA CHANDLER HEIGHTS RD IMPROVE STLT  
ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR  
CONTACT CITY OF CHANDLER - DENNIS AUST PHONE 480-782-3315  
BILLING ACCT NO. \_\_\_\_\_  
FIS JO \_\_\_\_\_ MAP 1/4NE S 29T 2SR 6E  
40/ACRE YF-29-02 COORDS 31 7/8 E - 10 1/16 S  
AMP WO T3129130 AMP VERSION \_\_\_\_\_  
COST CENTER 22660  
ROUTING CODE DD1.5CSI+0



SHEET NUMBER 8 OF 9

MAINLINE



MATCHLINE STA:322+50 - SEE SHEET 7

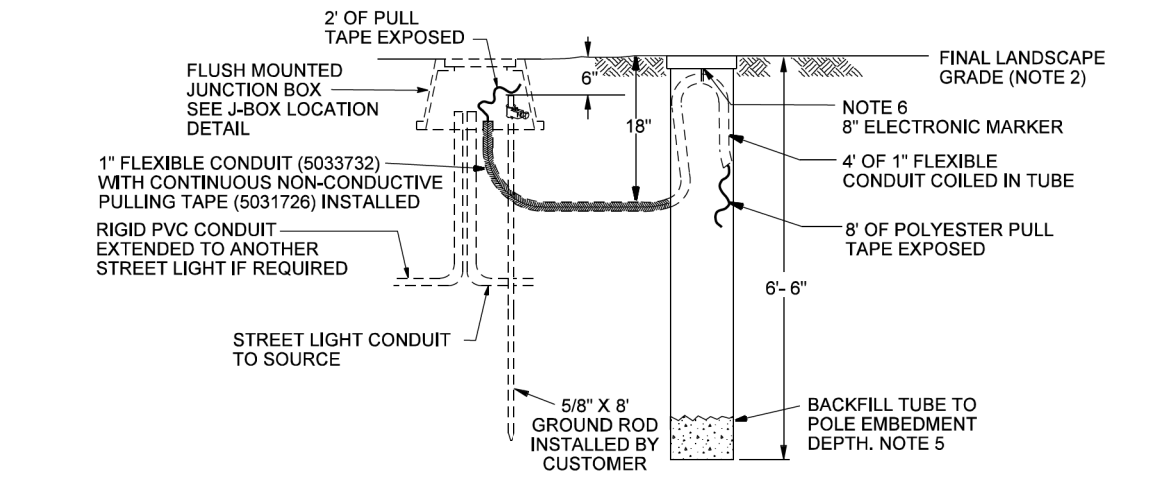
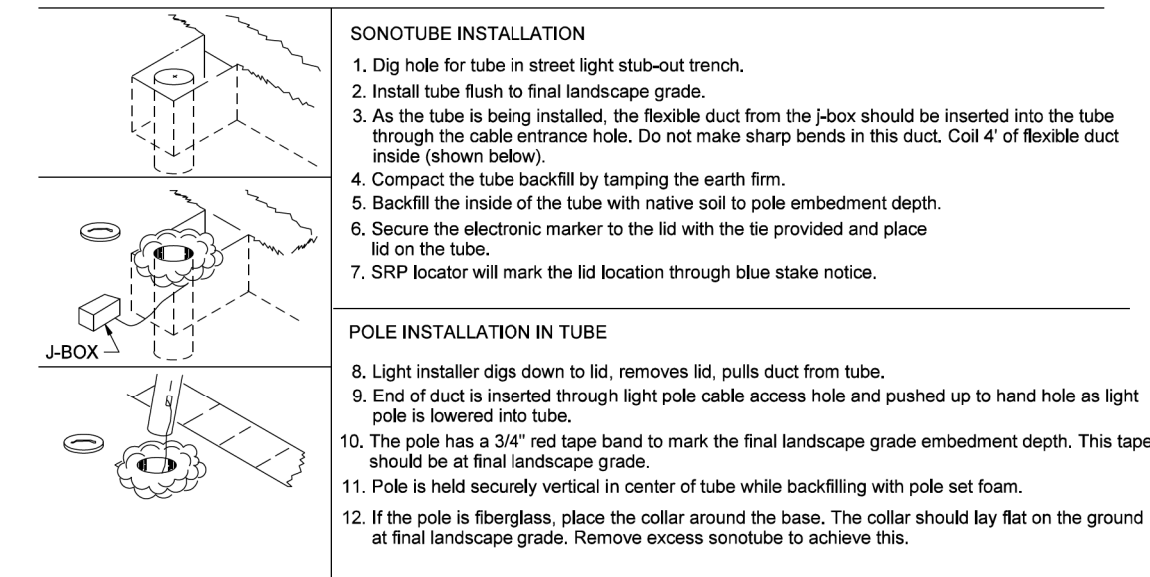
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 CONSTRUCTION CONSULTANT:  
 JOE CORDEIRO  
 MOBILE: (602) 402-0858

FIELD INSTALLATION STAMP

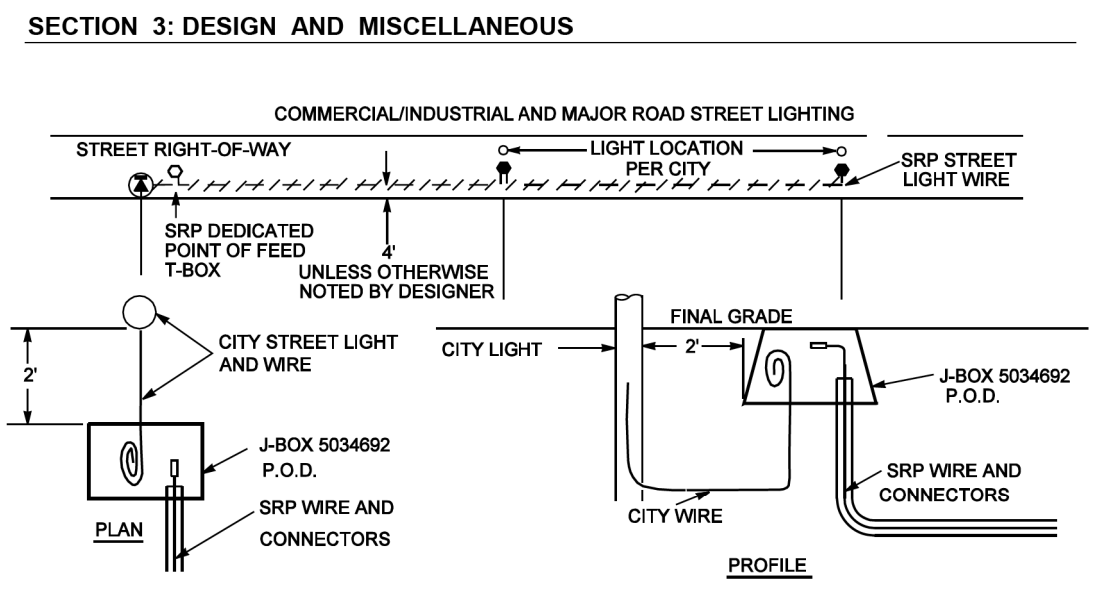
NATURAL GAS YES  NO

JOB NAME CUS UE BA CHANDLER HEIGHTS RD IMPROVE STLT  
 ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR  
 CONTACT/CITY OF CHANDLER - DENNIS AUST PHONE 480-782-3315  
 BILLING ACCT NO. \_\_\_\_\_  
 FIS JO \_\_\_\_\_ MAP 1/4NE S 29T 2SR 6E  
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 AMP WO T3129130 AMP VERSION \_\_\_\_\_  
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 ROUTING CODE DD1.5CSI+0

Call 811 or click Arizona811.com

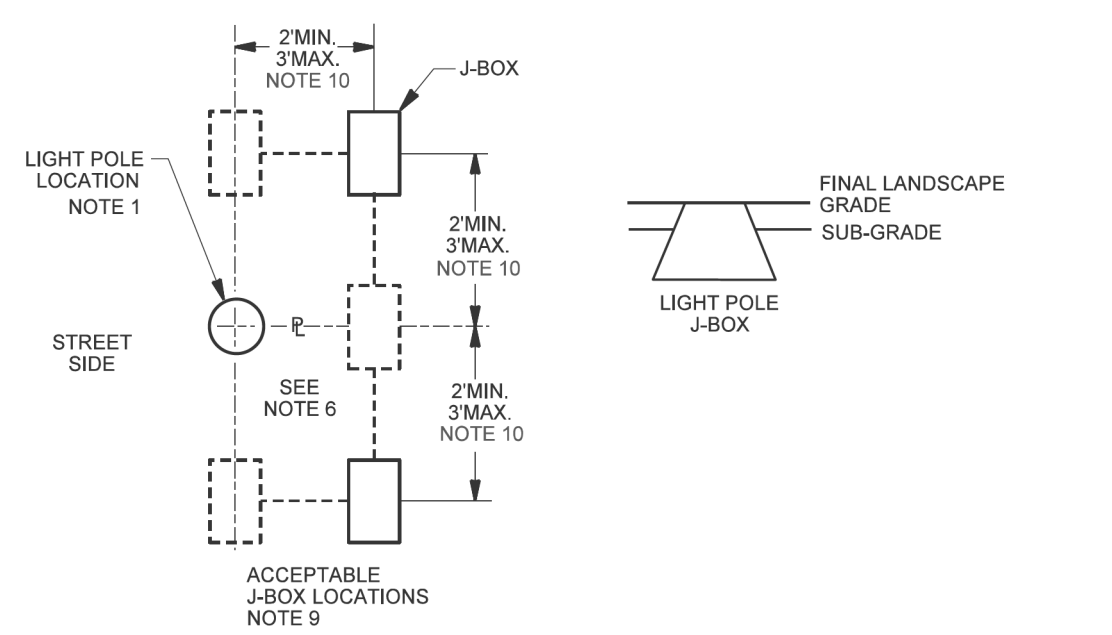


	<b>Electric Service Specifications</b> <b>COMMERCIAL - TYPES OF SERVICE LIGHT POLE INSTALLATION TUBE</b> 4-10	ISSUE DATE: 11/20/04 REV. DATE: 09/23/2013 APPROVAL: W.LARAMEE 8509E169.DGN



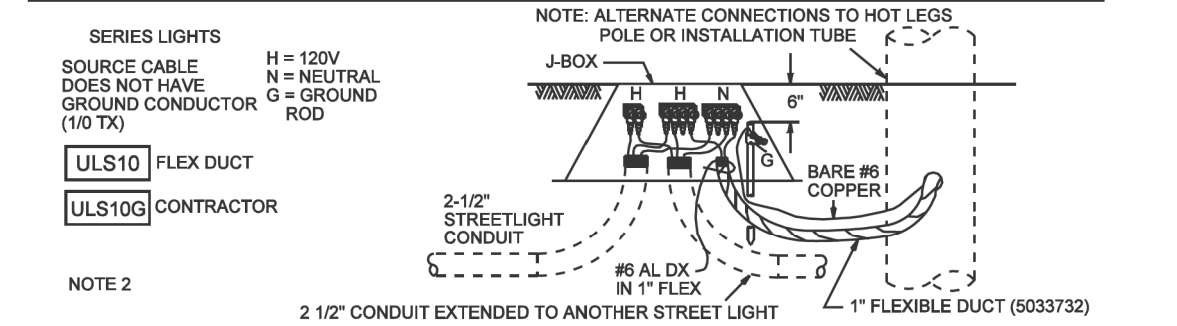
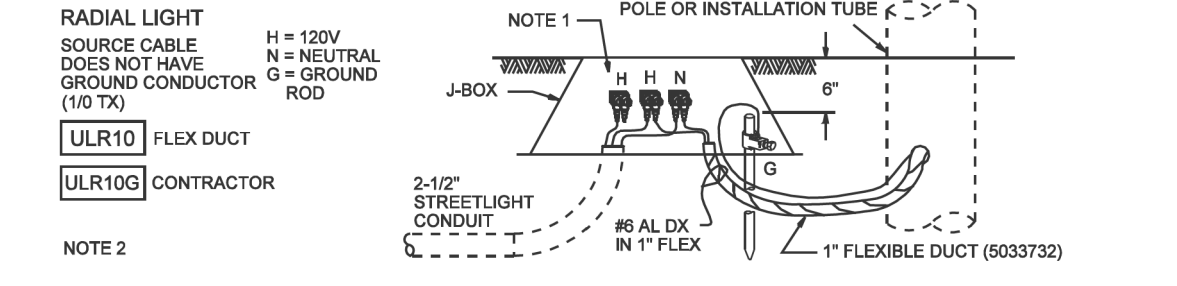
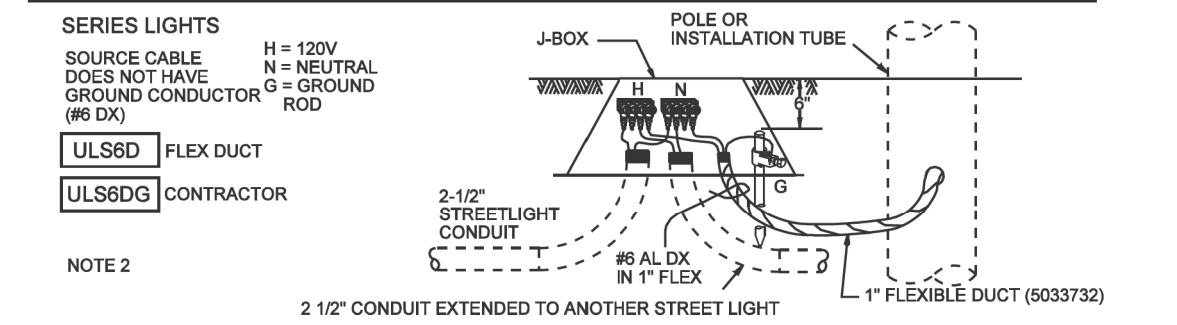
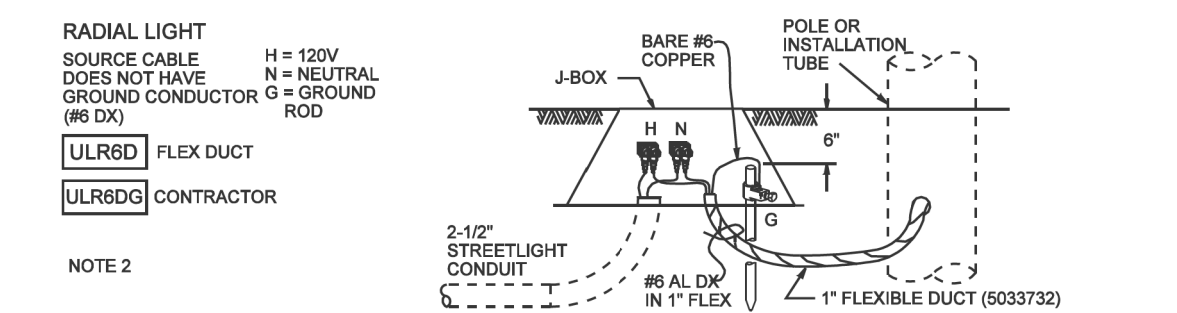
- NOTES:**
1. FOR CITY OWNED AND INSTALLED STREET LIGHTS TO BE SERVED BY SRP UNDERGROUND WIRE, THE POINT OF DELIVERY (P.O.D.) WILL BE AN SRP APPROVED JUNCTION BOX INSTALLED BY THE CITY. THE CITY IS TO PROVIDE THE LOCATION OF THE LIGHTS. HOWEVER, LIGHT POLES AND JUNCTION BOXES ARE NOT TO BE INSTALLED WITHIN PUBLIC RIGHT OF WAYS.
  2. A 3 FT. PORTION OF STREET LIGHT WIRE FROM THE CITY'S LIGHT POLE, VIA FLEXIBLE CONDUIT, IS TO BE INSERTED INTO THE JUNCTION BOX BY THE CITY. THE CITY MAY INCLUDE THEIR OWN IN-LINE FUSE IN THE JUNCTION BOX. SRP IS TO MAKE THE ELECTRICAL CONNECTION IN THE JUNCTION BOX (PHASE & NEUTRAL ONLY) (CHANDLER AND TEMPE HAVE AGREEMENTS TO CONNECT.)
  3. THE CITY IS TO PROVIDE APPROPRIATE POLE GROUNDING IF METAL POLES ARE USED.
  4. THE CITY MUST PROVIDE AND INSTALL AN SRP APPROVED JUNCTION BOX AS THE SRP DEDICATED POINT OF FEED. REFER TO THE ELECTRIC SERVICE STANDARDS FOR MINIMUM FAULT CURRENT DISTANCE REQUIREMENTS.

	<b>Outdoor Lighting Standards</b> <b>DESIGN AND MISCELLANEOUS CITY OWNED STREET LIGHTS POINT OF DELIVERY DETAIL</b> 3-8-1	ISSUE DATE: 10/25/08 REV. DATE: 01/12/16 APPROVAL: N. SABBAR 8513E81.DGN



- NOTES**
1. CUSTOMER TO STAKE LIGHT LOCATION PER APPROVED MUNICIPAL PLAN.
  2. GRADE STAKE TO BE WITHIN 2 FEET OF J-BOX LOCATION. CUSTOMER TO STAKE J-BOX LOCATION. AVOID CONFLICT WITH SIDEWALK, LANDSCAPING, ETC.
  3. GROUND ROD TO BE INSTALLED FOR EACH STREET LIGHT LOCATION PER STANDARDS ON PAGE 9-1-1.
  4. SEE SONOTUBE INSTALLATION DETAIL, PAGE 9-1-1, IF APPLICABLE.
  5. #6 BARE COPPER GROUND WIRE TO BE ATTACHED FROM GROUNDING LUG ON STREET LIGHT POLE TO GROUND ROD IN J-BOX.
  6. J-BOX MAY BE POSITIONED BEHIND THE POLE, EXCEPT IN THE CITIES OF CHANDLER AND GILBERT.
  7. IF POLE IS IN PROXIMITY OF METALLIC APPARATUS SEE CONSTRUCTION STANDARDS SECTION LIGHT POLES IN PROXIMITY OF METALLIC APPARATUS, BONDING. ALSO SEE SECTION 3 ELECTRIC SERVICE REQUIREMENTS NOTE 9.
  8. FOR PEDESTAL MOUNTED POLES THE J-BOX IS LOCATED ABOVE THE WATER LINE. SEE POLE PLACEMENT, WATER RETENTION BASIN.
  9. SOME CLEARANCE RESTRICTIONS APPLY TO J-BOX LOCATIONS NEAR TRANSFORMERS. SEE DESIGN AND MISCELLANEOUS, CLEAR AREA FOR CUSTOMER EQUIPMENT, ADJACENT TO TRANSFORMER.
  10. FOR MUNICIPAL OWNED STREETLIGHT RELOCATIONS, THE DISTANCE FROM J-BOX TO STREETLIGHT MAY BE INCREASED UP TO 15'.

	<b>Outdoor Lighting Standards</b> <b>DESIGN AND MISCELLANEOUS STREETLIGHT POLE J-BOX LOCATION DETAILS</b> 3-11-1	REV. ADDED NOTE 10 ISSUE DATE: 11/19/01 REV. DATE: 5/18/20 APPROVAL: J. LARAMEE 8518E90.DGN



	<b>Outdoor Lighting Standards</b> <b>CONSTRUCTION STANDARDS J-BOX CONNECTIONS</b> 6-6-1	ISSUE DATE: 01/12/00 REV. DATE: 11/01/13 APPROVAL: W.LARAMEE 8518E128.DGN

NATURAL GAS YES  NO

JOB NAME CUS UE BA CHANDLER HEIGHTS RD IMPROVE STLT  
 ADDRESS/LOCATION CHANDLER HEIGHTS RD - GILBERT RD TO VAL VISTA DR  
 CONTACT CITY OF CHANDLER - DENNIS AUST PHONE 480-782-3315  
 BILLING ACCT NO. \_\_\_\_\_  
 FIS JO \_\_\_\_\_ MAP 1/4NE S 29T 25R 6E  
 40/ACRE YF-29-02 COORDS 31 7/8 E - 10 1/16 S  
 AMP WO T3129130 AMP VERSION \_\_\_\_\_  
 COST CENTER 22660 SHEET NUMBER 9 OF 9  
 ROUTING CODE DD1.5CSI+0