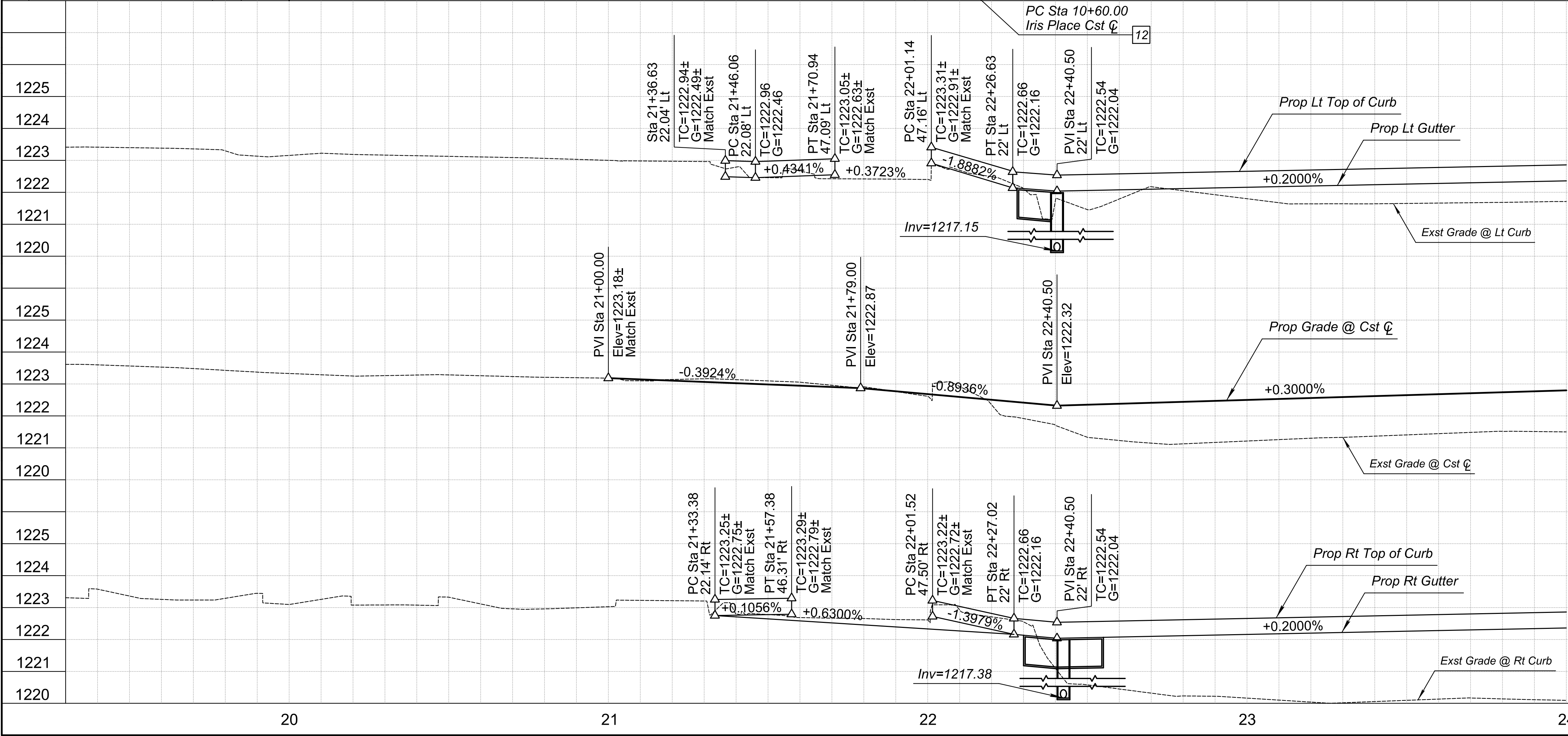
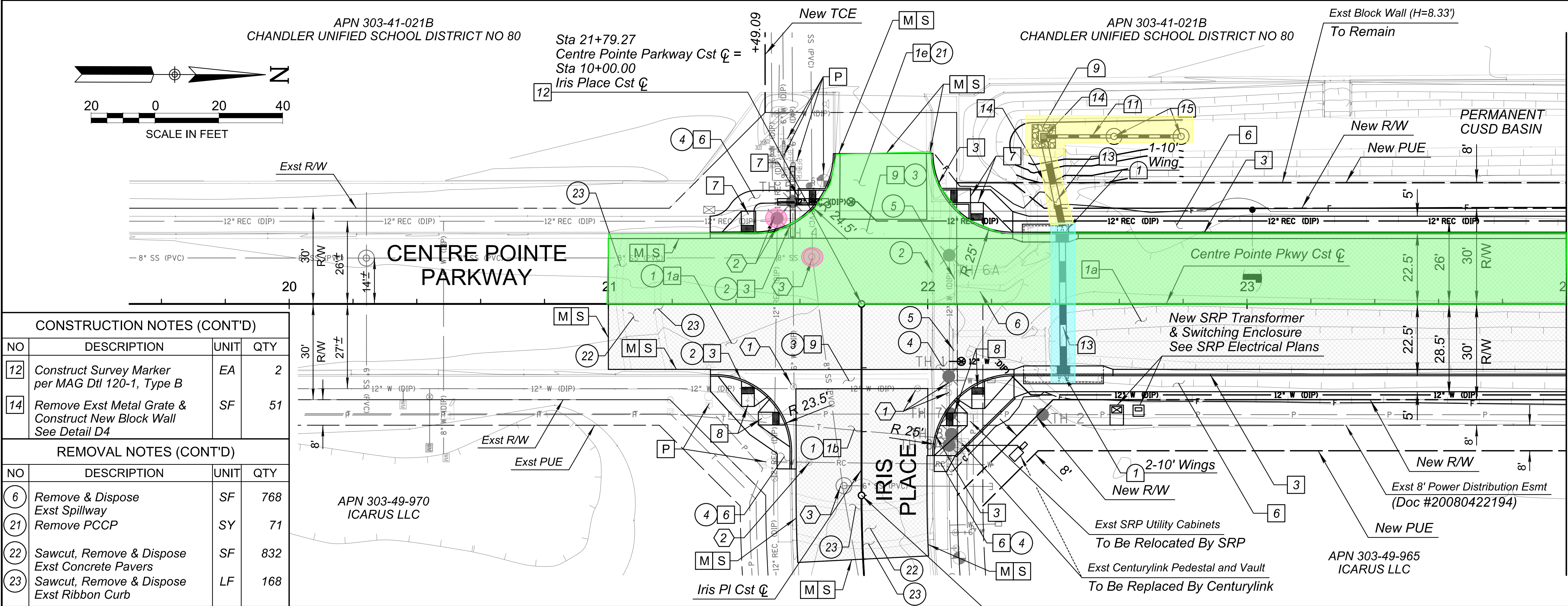




Off Site Work:

CONSTRUCTION NOTES

NO	DESCRIPTION	UNIT	QTY
1a	Construct New AC Pavement per Structural Section No 1	SY	1,362
1b	Construct New AC Pavement per Structural Section No 2	SY	244
1e	Construct New PCCP per Structural Section No 5	SY	62
3	Construct New Vertical Curb & Gutter per MAG Dtl 220 Type 'A'	LF	524
6	Construct New Concrete Sidewalk per MAG Dtl 230	SF	2,035
7	Construct New Concrete Directional Curb Ramp per COC Dtl C-257 (Modified), and Align per COC Ctl C-249 See Sheet SK01	SF	202
8	Construct New Concrete Directional Curb Ramp per COC Dtl C-258 (Modified), and Align per COC Ctl C-249 See Sheet SK01	SF	319
9	Construct New Concrete Valley Gutter & Apron per MAG Dtl 240	SF	1,012

Off Site Work:

Off Site Work:

DRAINAGE NOTES

NO	DESCRIPTION	UNIT	QTY
1	Construct Catch Basin per MAG Dtl 533-1 w/ Storm Drain Inlet Marker per COC Dtl C-508, Wings Per Plan	EA	2
9	Dumped Riprap, D50=6", T=12" See Sheet DR01 for Gradation	CY	2
11	12" RGRCP Storm Drain Pipe Class III	LF	20
13	24" RGRCP Storm Drain Pipe Class III	LF	71
14	Construct Retention Basin Single Inlet (Bubbler Box) per COC Dtl C-507	EA	1
15	Construct Drywell System per COC Dtl C-501	EA	1

UTILITY NOTES

NO	DESCRIPTION	UNIT	QTY
1	Frame & Cover Grade Adjustment MAG Dtl 391-1, Type 'C', and per COC Dtl C-307 and C-317	EA	4
2	Frame & Cover Grade Adjustment MAG Dtl 391-1, Type 'C', and per COC Dtl C-406	EA	3
3	Manhole Frame & Cover Adjustment MAG Dtl 422 and per COC Dtl C-401, Type 'A'	EA	2

Off Site Work:

REMOVAL NOTES

NO	DESCRIPTION	UNIT	QTY
1	Sawcut, Remove & Dispose Exst AC Pavement & Subbase	SY	586
2	Sawcut, Remove & Dispose Exst Curb and Gutter	LF	193
3	Sawcut, Remove & Dispose Exst Valley Gutter & Apron	SF	1,095
4	Sawcut, Remove & Dispose Exst Sidewalk	SF	612
5	Remove and Dispose Exst Scupper	SF	198

SHEET NOTES

- Dimensions and Offsets are to the Back of Curb Unless Otherwise Noted.
- See Sheet SK01 for Staking Plan.
- See Sheet DR08 for Storm Drain Profile.
- See Sheet SL3 for Street Lighting Plan.
- See Sheet WL01 for Waterline Plan & Profile.
- See Sheet RL01 for Reclaimed Waterline Plan & Profile.

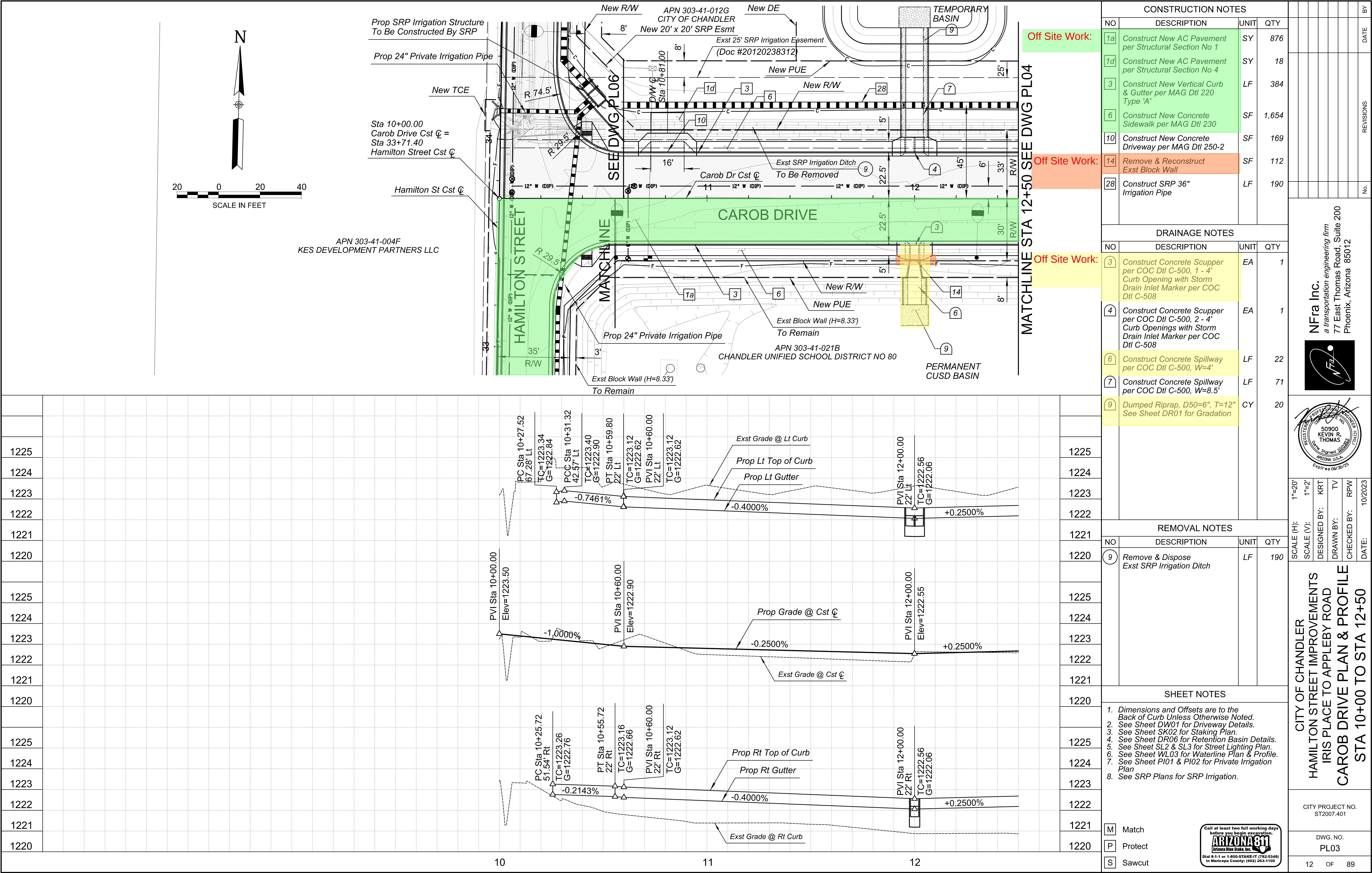
City of Chandler
Hamilton Street Improvements
Iris Place to Appleby Road
Centre Pointe Plan & Profile
Sta 19+50 to Sta 24+00

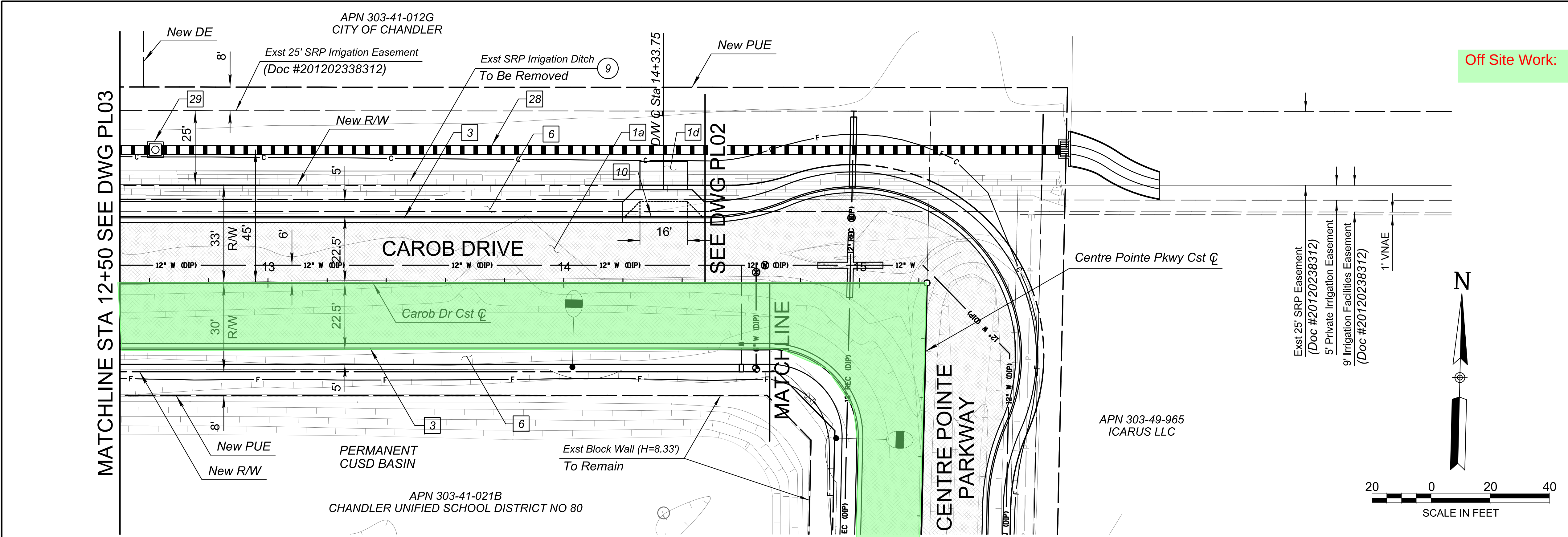
CITY PROJECT NO.
ST2007.401

DWG. NO.
PL01

10 OF 89

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona 811 Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

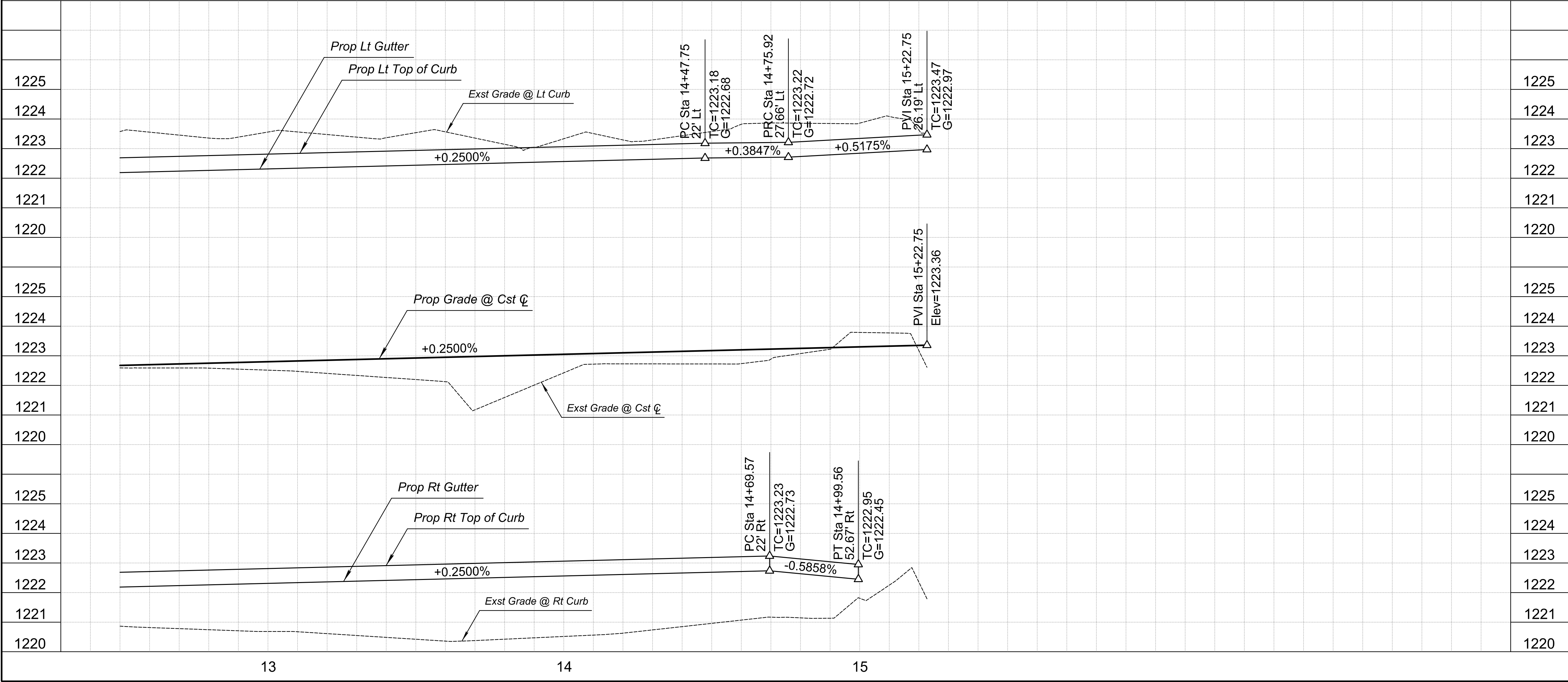




Off Site Work:

CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
1a	Construct New AC Pavement per Structural Section No 1	SY	951
1d	Construct New AC Pavement per Structural Section No 4	SY	17
3	Construct New Vertical Curb & Gutter per MAG Dtl 220 Type 'A'	LF	418
6	Construct New Concrete Sidewalk per MAG Dtl 230	SF	2,011
10	Construct New Concrete Driveway per MAG Dtl 250-2	SF	169
28	Construct SRP 36" Irrigation Pipe	LF	194
29	Construct SRP Manhole	EA	1

REVISIONS	DATE	BY
No.		
Nfra Inc. a transportation engineering firm 77 East Thomas Road, Suite 200 Phoenix, Arizona 85012		
SCALE (H): 1"=20'	SCALE (V): 1"=2'	DESIGNED BY: KRT
		DRAWN BY: TV
		CHECKED BY: RPW
		DATE: 10/2023



REMOVAL NOTES			
NO	DESCRIPTION	UNIT	QTY
9	Remove & Dispose Exst SRP Irrigation Ditch	LF	198

SHEET NOTES			
1. Dimensions and Offsets are to the Back of Curb Unless Otherwise Noted.			
2. See Sheet DW01 for Driveway Details.			
3. See Sheet SL3 for Street Lighting Plan.			
4. See Sheet WL04 for Waterline Plan & Profile.			
5. See SRP Plans for SRP Irrigation.			

M Match

P Protect

S Sawcut

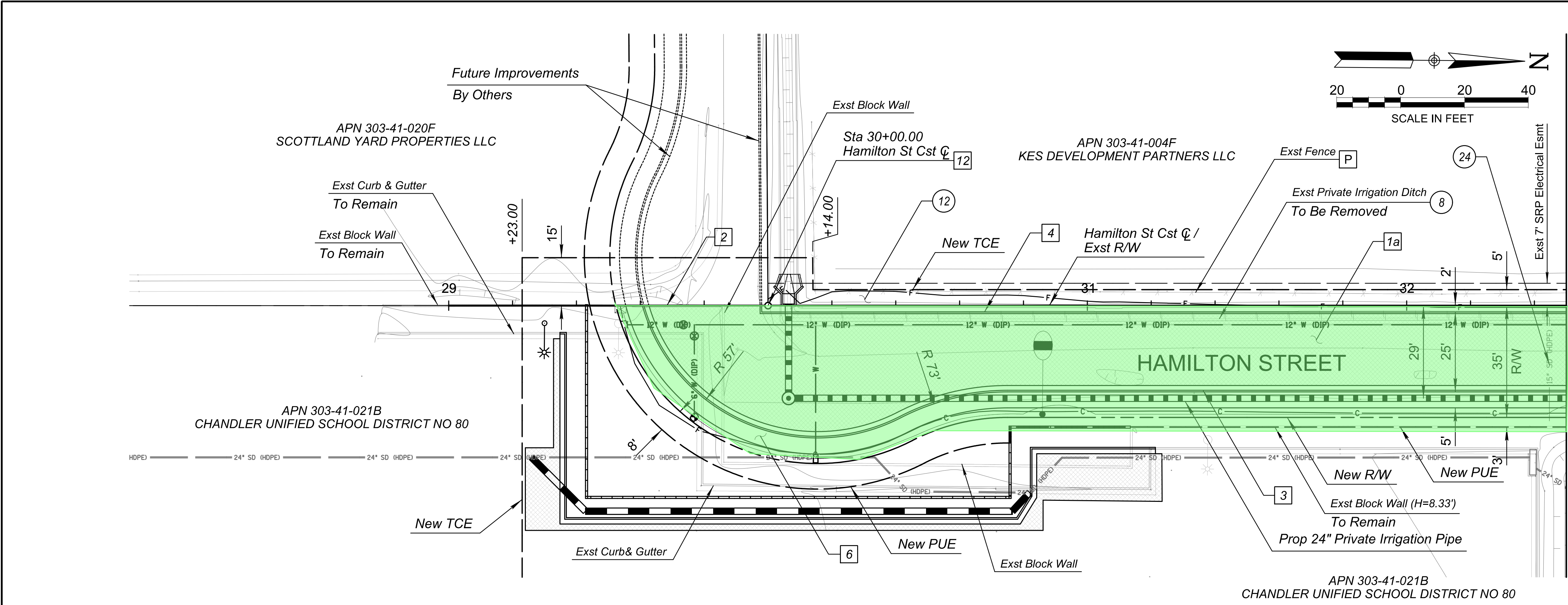
Call at least two full working days before you begin excavation.

ARIZONA

Arizona State Seal

Dial 8-1-1 or 1-800-STAKE-IT (726-5348) in Maricopa County: (602) 263-1100

CITY OF CHANDLER HAMILTON STREET IMPROVEMENTS IRIS PLACE TO APPLEBY ROAD CAROB DRIVE PLAN & PROFILE STA 12+50 TO STA 15+22.75	CITY PROJECT NO. ST2007.401	DWG. NO. PL04	13 OF 89
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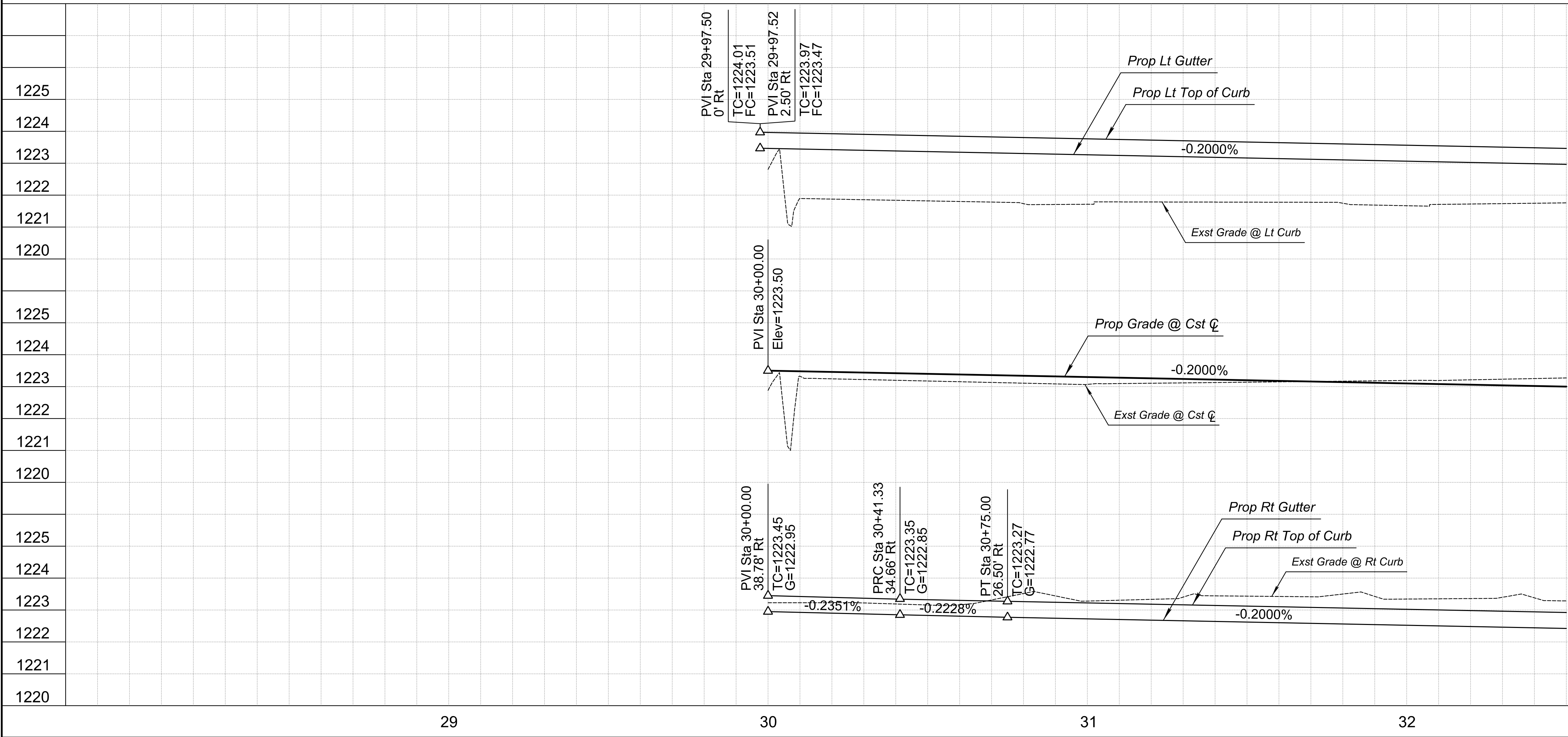
Off Site Work:

MATCHLINE STA 32+50 SEE DWG PL06

CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
1a	Construct New AC Pavement per Structural Section No 1	SY	797
2	Construct Thickened Pavement Edge per MAG Dtl 201, Type B	LF	35
3	Construct New Vertical Curb & Gutter per MAG Dtl 220 Type 'A'	LF	310
4	Construct New Single Curb per MAG Dtl 222, Type 'A'	LF	255
6	Construct New Concrete Sidewalk per MAG Dtl 230	SF	1,573
12	Construct Survey Marker per MAG Dtl 120-1, Type B	EA	1

REMOVAL NOTES			
NO	DESCRIPTION	UNIT	QTY
8	Remove & Dispose Exst Private Irrigation Ditch	LF	248
12	Trim Existing Trees	LF	240
24	Remove & Dispose Exst 15" HDPE Storm Drain	LF	32

SHEET NOTES			
1. Dimensions and Offsets are to the Back of Curb Unless Otherwise Noted.			
2. See Sheet PW01 for Block Wall Plan.			
3. See Sheet SL2 for Street Lighting Plan.			
4. See Sheet PI01 for Private Irrigation Plan.			
5. See Sheet WL05 for Waterline Plan and Profile.			
M	Match		
P	Protect		
S	Sawcut		



Off Site Work:

NO.

DATE

REVISIONS

BY

50900 KEVIN R. THOMAS

REGISTERED PROFESSIONAL ENGINEER

ARIZONA, U.S.A.

Expire's 06/30/25

CITY OF CHANDLER

HAMILTON STREET IMPROVEMENTS

IRIS PLACE TO APPELBY ROAD

HAMILTON ST PLAN & PROFILE

STA 30+00 TO STA 32+50

CITY PROJECT NO.

ST2007.401

DWG. NO.

PL05

14

OF

89

1"=20'

SCALE (H):

1"=2'

SCALE (V):

KRT

DESIGNED BY:

TV

DRAWN BY:

RPW

CHECKED BY:

10/2023

DATE:

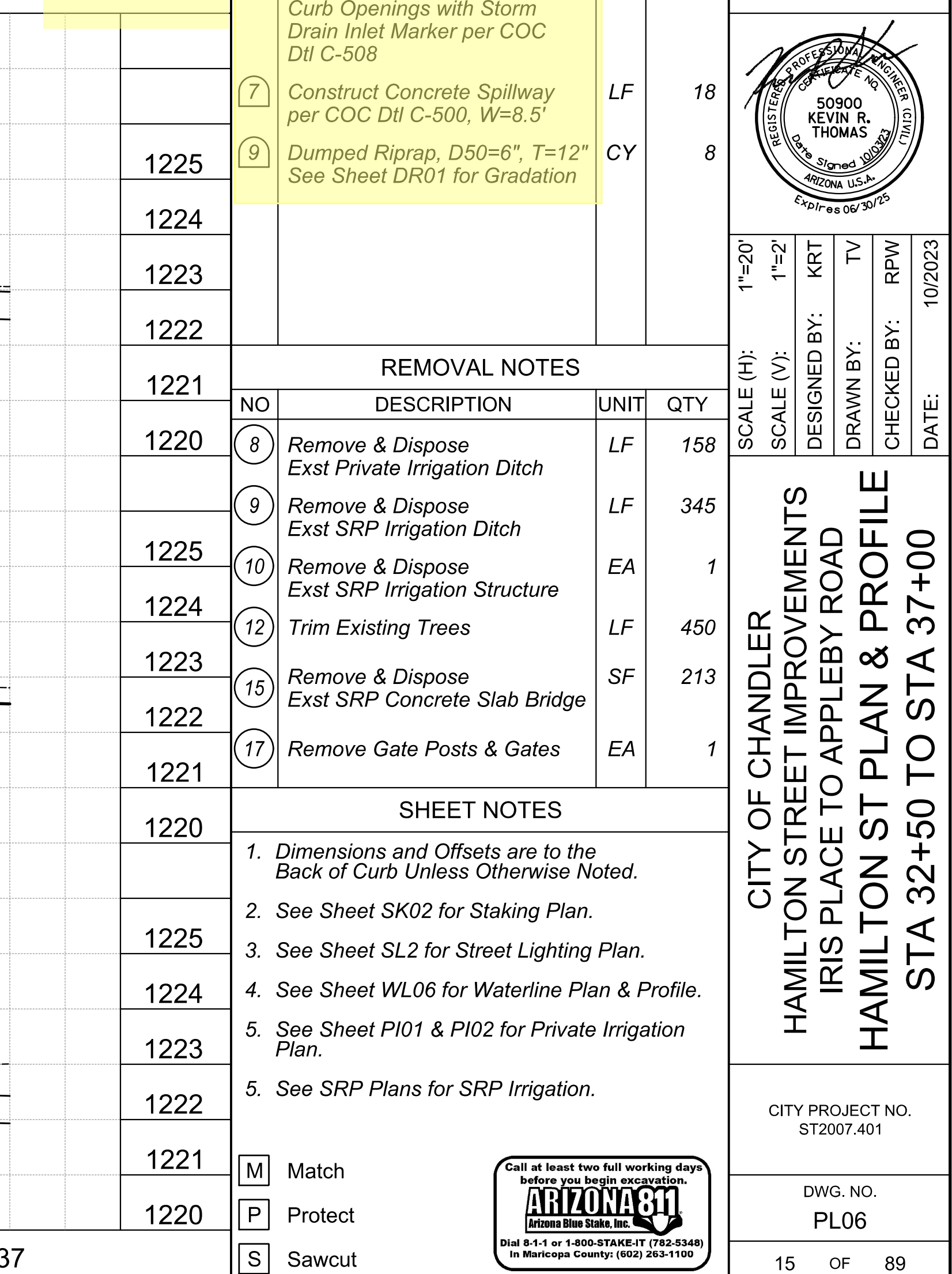
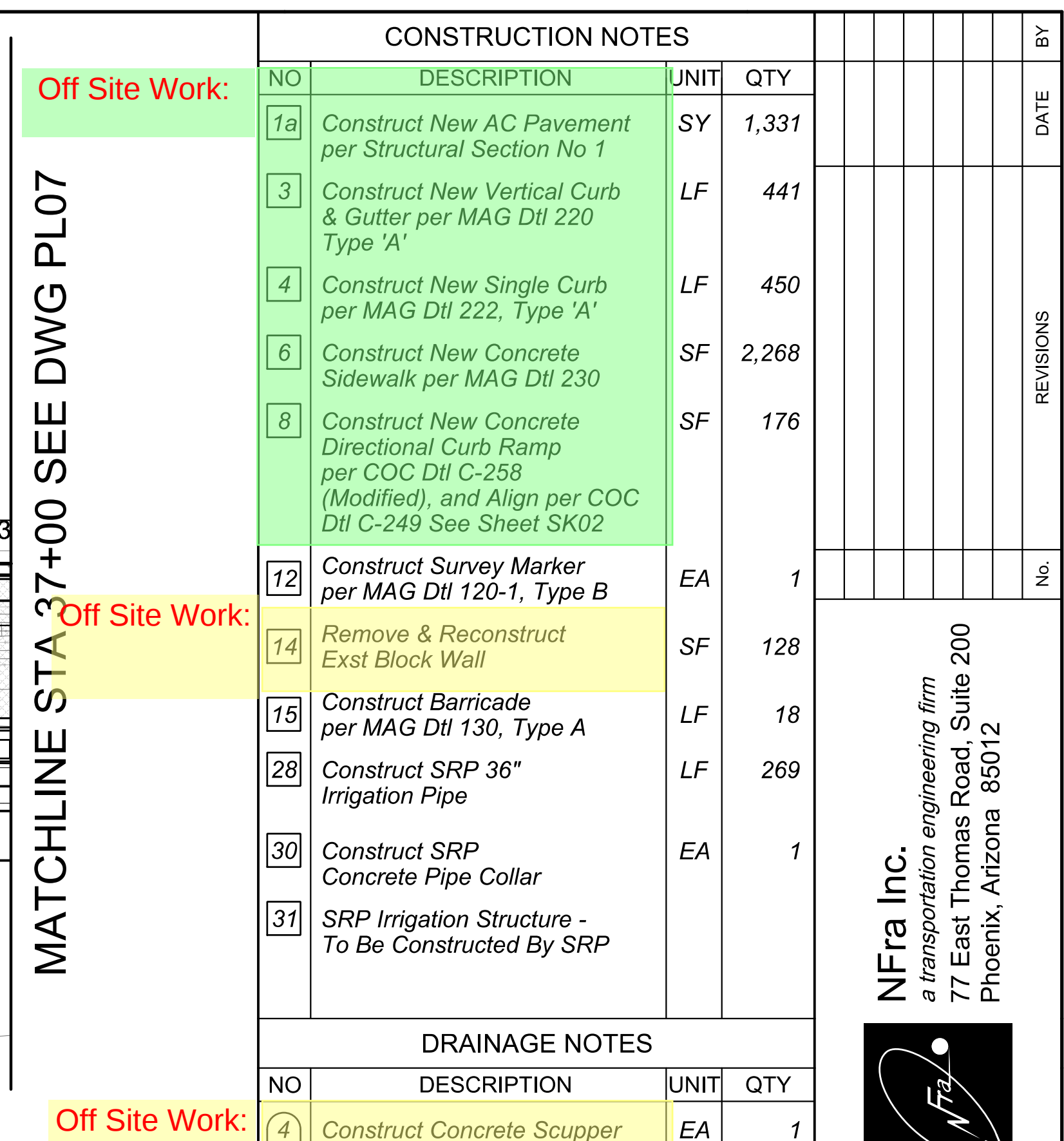
Call at least two full working days before you begin excavation.

ARIZONA811

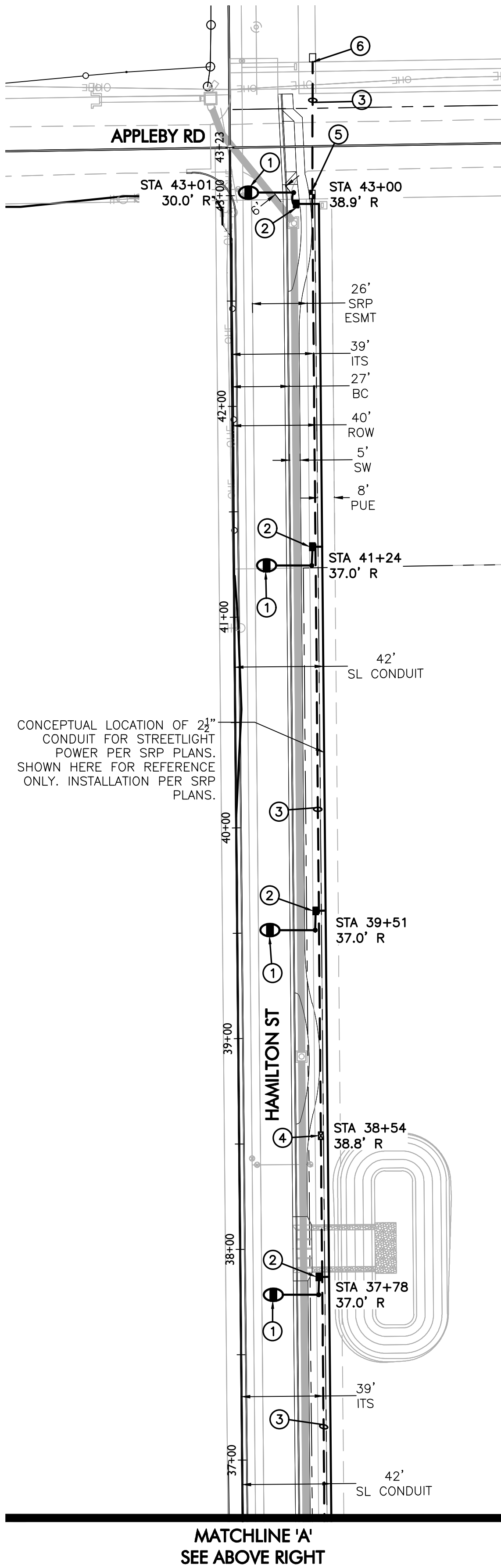
Arizona One Call Inc.

Dial 8-1-1 or 1-800-STAKE-IT (726-5348)

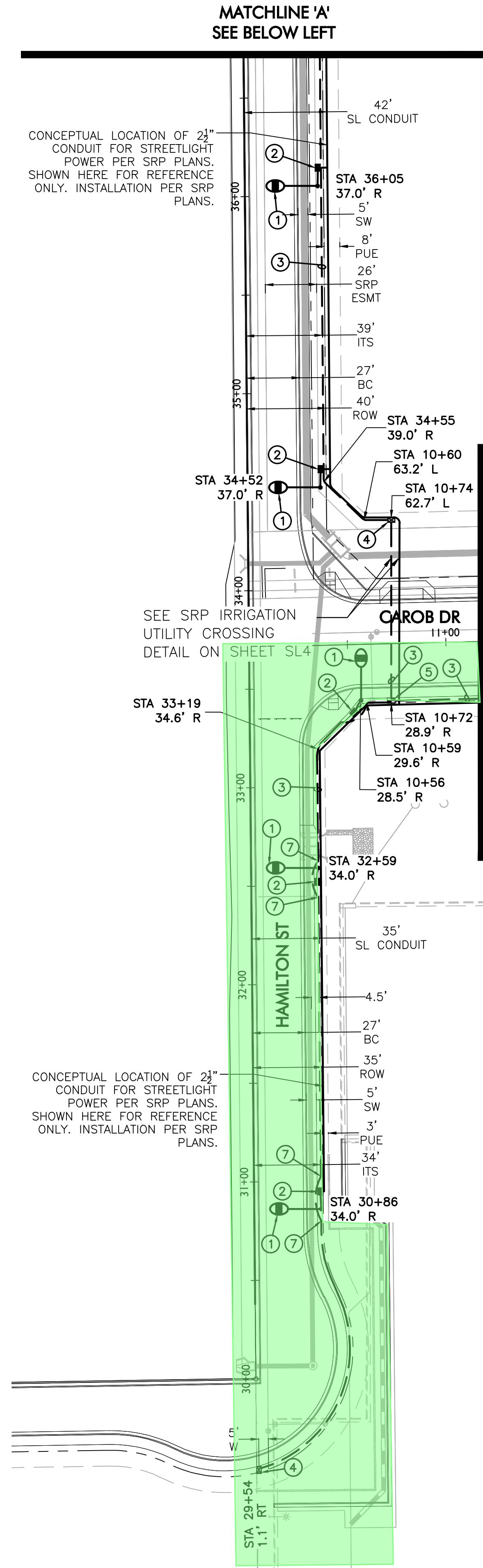
In Maricopa County: (602) 263-1100



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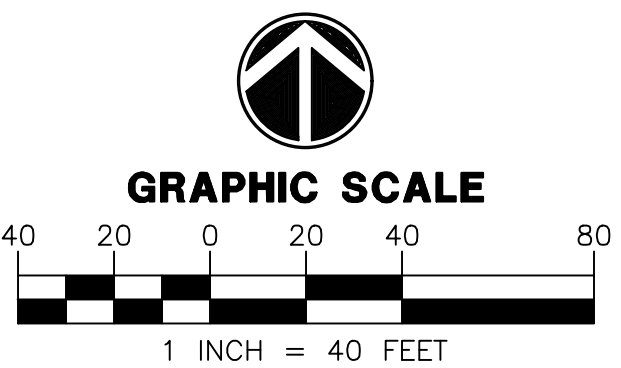


NOTE:
ALL CONDUIT RUNS SHALL MAINTAIN 2' OF VERTICAL SEPARATION FROM CITY WET UTILITY PER COC DETAIL C-112-2



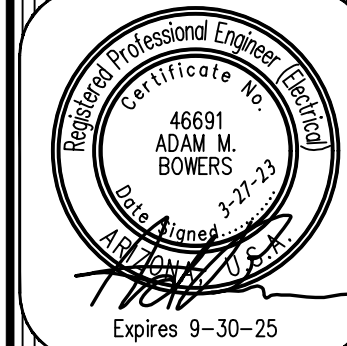
- LEGEND**
- PUBLIC: 9,000 LUMEN LED STREET LIGHT ON A SINGLE ARM POLE WITH A 35' MOUNTING HEIGHT PER C.O.C. DETAIL C-751-1. LOCATE A MINIMUM OF 2'-6" BEHIND BACK OF CURB.
 - EXISTING STREET LIGHT
 - FIRE HYDRANT
 - PULL BOX
 - NEW STREET LIGHT CONDUIT
 - NEW ITS CONDUIT
 - #9 ITS PULL BOX
 - #7 PULL BOX WITH EXTENSION
 - EXISTING #7 PULL BOX

- CONSTRUCTION NOTES**
- Off Site Work:
- PUBLIC: INSTALL (1) 84W (9,000 LUMEN) TYPE II LED STREET LIGHT SINGLE ARM POLE WITH 35'-0" MOUNTING HEIGHT PER C.O.C. DETAIL C-751-1. FOUNDATION, CONDUIT, & PULL BOX PER C.O.C. STANDARDS.
 - INSTALL ONE PULL BOX PER C.O.C. DETAILS C-757-1 & C-757-3. RUN 1" CONDUIT WITH (2) #12 THHN/THWN CONDUCTORS & (1) #8 GROUND TO POLE.
 - INSTALL 4-2" CONDUITS FOR CITY FIBER ITS INTERCONNECT PER C.O.C. DETAIL C-104.
 - INSTALL #7 PULL BOX WITH 24" EXTENSION (36" TOTAL DEPTH) & SWEEP 4-2" CITY FIBER CONDUITS INTO PULL BOX
 - INSTALL #9 PULL BOX & SWEEP 4-2" CITY FIBER CONDUITS INTO PULL BOX
 - RUN NEW CONDUIT INTO EXISTING PULL BOX. IF PULL BOX IS DISTURBED RESET OR INSTALL NEW #7 PULL BOX IF THE EXISTING #7 PULL BOX IS DAMAGED
 - DEFLECTION SHOWN IS FOR CLARITY. THE COC PROPOSED RUNNING LINE REMAINS STRAIGHT WHEN PASSING STREETLIGHTS.



C.O.C. LOG NO: CIV21-0015

NO.	DATE	SUBMITTALS/REVISIONS (DESCRIPTIONS)
1	OCT 2022	1ST CITY SUBMITTAL
2	MAR 2023	2ND CITY SUBMITTAL



DRAWING NO:
SL2
OF 4



CHANDLER, ARIZONA

HAMILTON ST - ST2007
STREET LIGHT AND TSFO PLAN

STREET LIGHT DESIGN

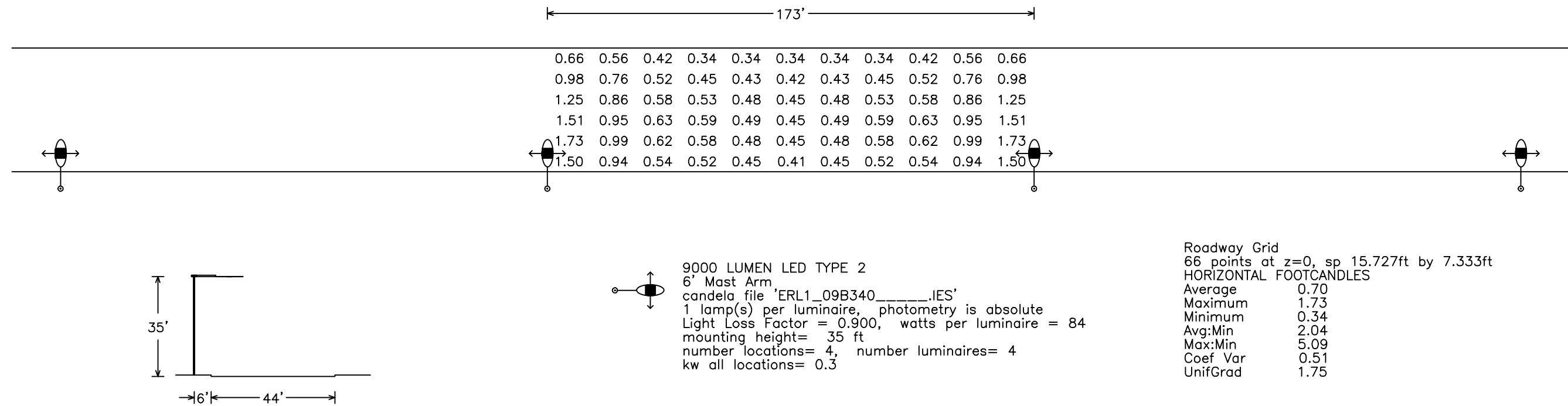
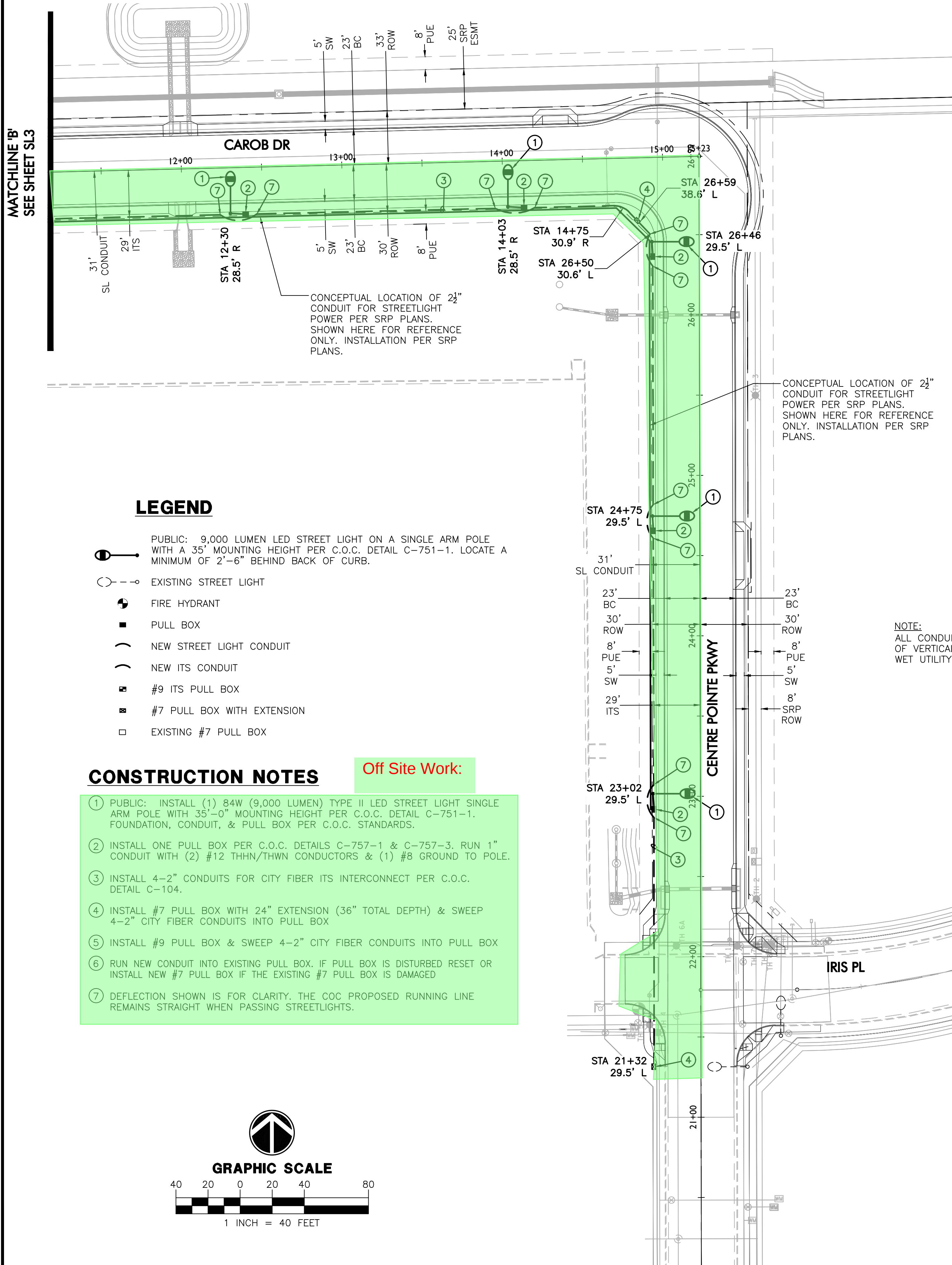
PROJECT: TITLE:

WRIGHT ENGINEERING
PROJECT NO:
20443
DESIGN BY: MRS
DRAWN BY: MRS
CHECKED BY: AMB

WRIGHT
engineering corporation
ELECTRICAL ENGINEERING AND DESIGN
165 EAST CHILTON DRIVE • CHANDLER, ARIZONA 85225
PHONE 480.497.5829 • FAX 480.497.5807
www.wrightengineering.us

H:\2020\20443-Hamilton Street ST2007\20443-SL-HAMILTON.dwg

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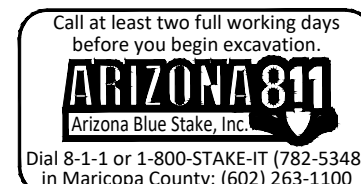
C.O.C. LOG NO: CIV21-0015

NO. DATE SUBMITTALS/REVISIONS (DESCRIPTIONS)

1 OCT 2022 1ST CITY SUBMITTAL
2 MAR 2023 2ND CITY SUBMITTAL

Professional Engineer
46691
ADAM M.
BOWERS
Expires 9-30-25

DRAWING NO:
SL3
OF 4



CHANDLER, ARIZONA

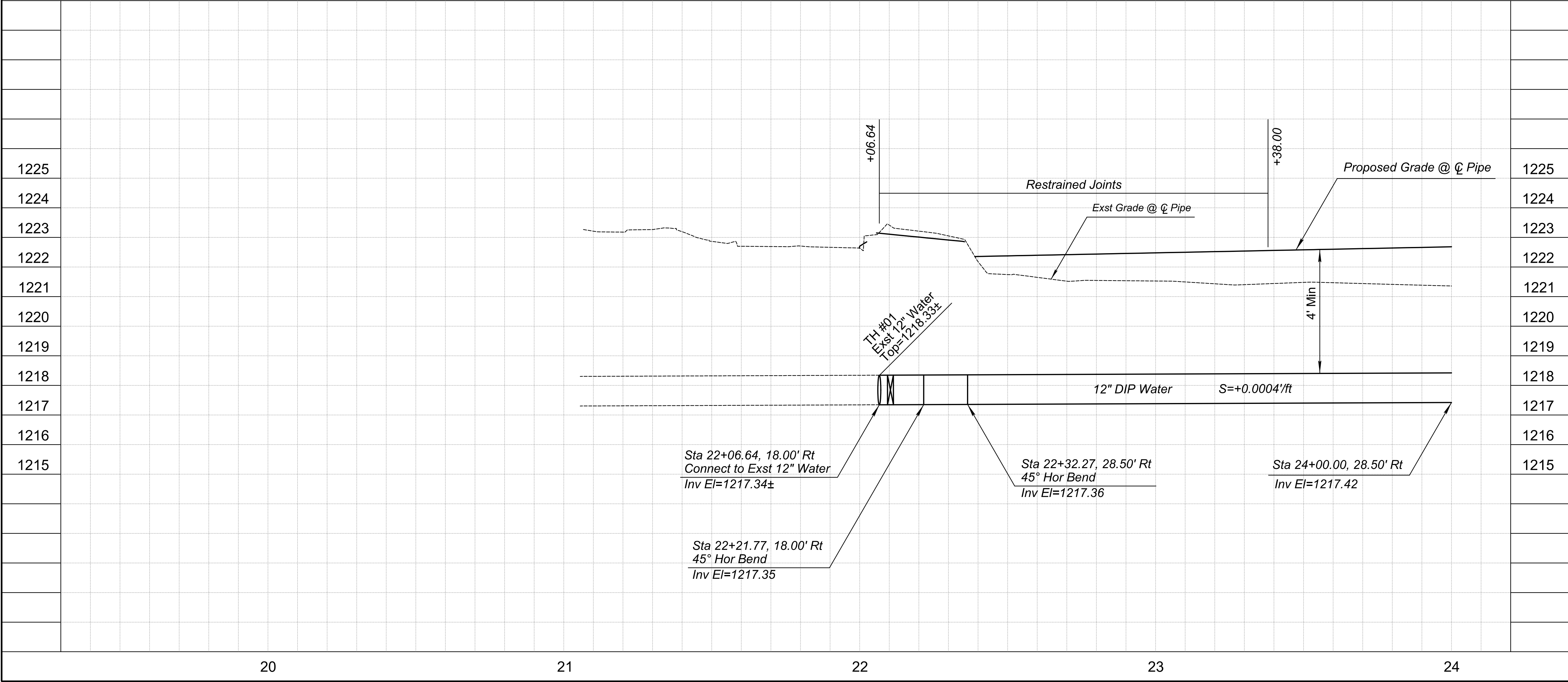
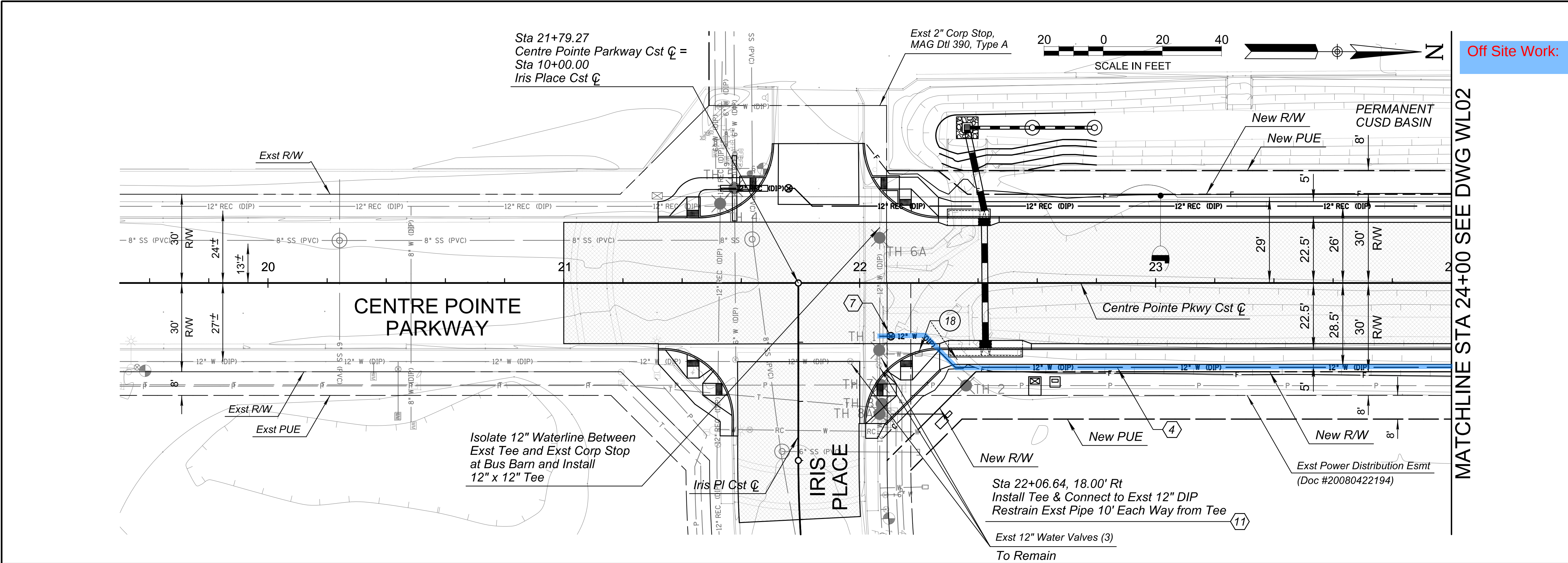
**HAMILTON ST - ST2007
STREET LIGHT AND TSFO PLAN**

STREET LIGHT DESIGN

WRIGHT ENGINEERING
PROJECT NO:
20443
DESIGN BY: MRS
DRAWN BY: MRS
CHECKED BY: AMB



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CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
4	Install 12" DIP Waterline per COC Dtl C-308	LF	198
7	Install 12" Water Gate Valve per COC Dtl C-307 & C-317	EA	1
11	Install Tee, Size as Noted	EA	1

REMOVAL NOTES			
NO	DESCRIPTION	UNIT	QTY
18	Remove Exst Boxes (4), Blowoff Assembly, Ball Valves, Fittings & Piping for Landscaping	EA	1

SHEET NOTES			
1. Dimensions and Offsets are to the Back of Curb Unless Otherwise Noted.			
2. See Sheet PL01 for Roadway Plan & Profile			
3. See Sheet DR08 for Storm Drain Plan & Profile.			
4. See Sheet SL3 for Street Lighting Plan.			
5. See Sheet RL01 for Reclaimed Waterline Plan & Profile.			
M Match			
P Protect			
S Sawcut			

NO.

DATE

REVISIONS

By

Date

Revised

NFra Inc.

a transportation engineering firm

77 East Thomas Road, Suite 200

Phoenix, Arizona 85012

Professional Engineer

50900 KEVIN R. THOMAS

Doc #20080422194

Expire 06/30/25

SCALE (H): 1"=20'

SCALE (V): 1"=2'

DESIGNED BY: KRT

DRAWN BY: TV

CHECKED BY: RPW

DATE: 03/2023

CITY OF CHANDLER

HAMILTON STREET IMPROVEMENTS

IRIS PLACE TO APPELBY ROAD

CENTRE POINTE PKWY 12" DIP

WATERLINE PLAN & PROFILE

CITY PROJECT NO.

ST2007.401

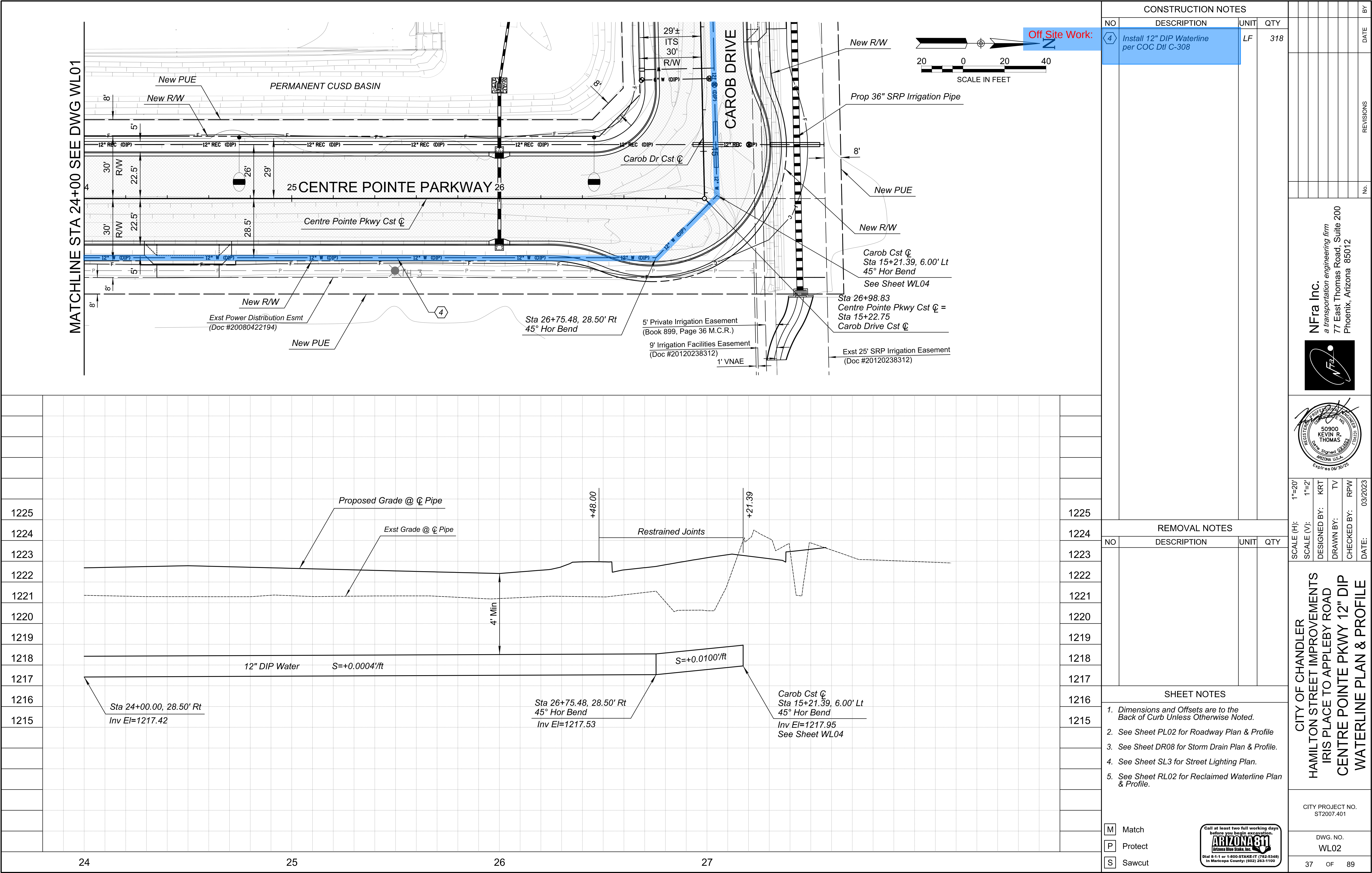
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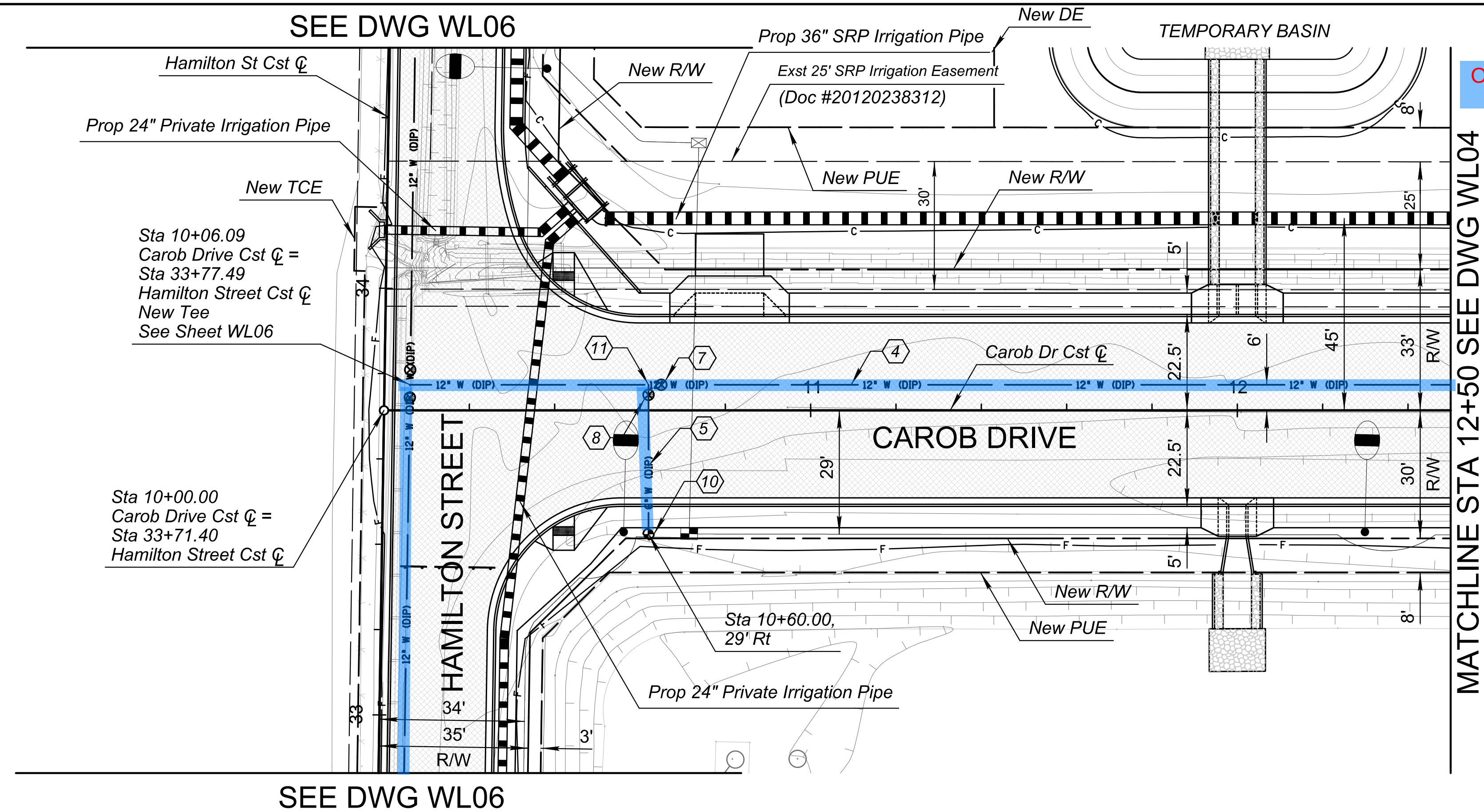
WL01

36

OF

89





CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
4	Install 12" DIP Waterline per COC Dtl C-308	LF	244
5	Install 6" DIP Waterline per COC Dtl C-308	LF	35
7	Install 12" Water Gate Valve per COC Dtl C-307 and C-317	EA	1
8	Install 6" Water Gate Valve per COC Dtl C-307 and C-317	EA	1
10	Install Fire Hydrant per COC Dtl C-303 Type A and C-305	EA	1
11	Install Tee, Size as Noted	EA	1

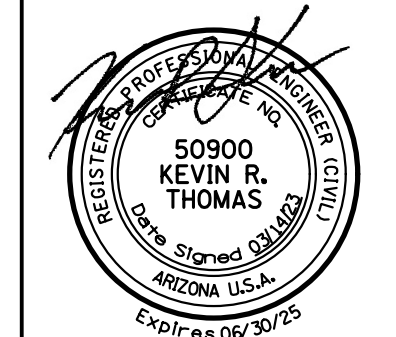
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SHEET NOTES	
1.	<i>Dimensions and Offsets are to the Back of Curb Unless Otherwise Noted.</i>
2.	<i>See Sheet PL03 for Roadway Plan & Profile</i>
3.	<i>See Sheet DR06 for Retention Basin Details.</i>
4.	<i>See Sheet SL2 & SL3 for Street Lighting Plan.</i>
5.	<i>See Sheet PI01 & PI02 for Private Irrigation Plan.</i>

M	Match
P	Protect
S	Sawcut

[illegible]

NFra Inc.
a transportation engineering firm
 77 East Thomas Road, Suite 200
 Phoenix, Arizona 85012



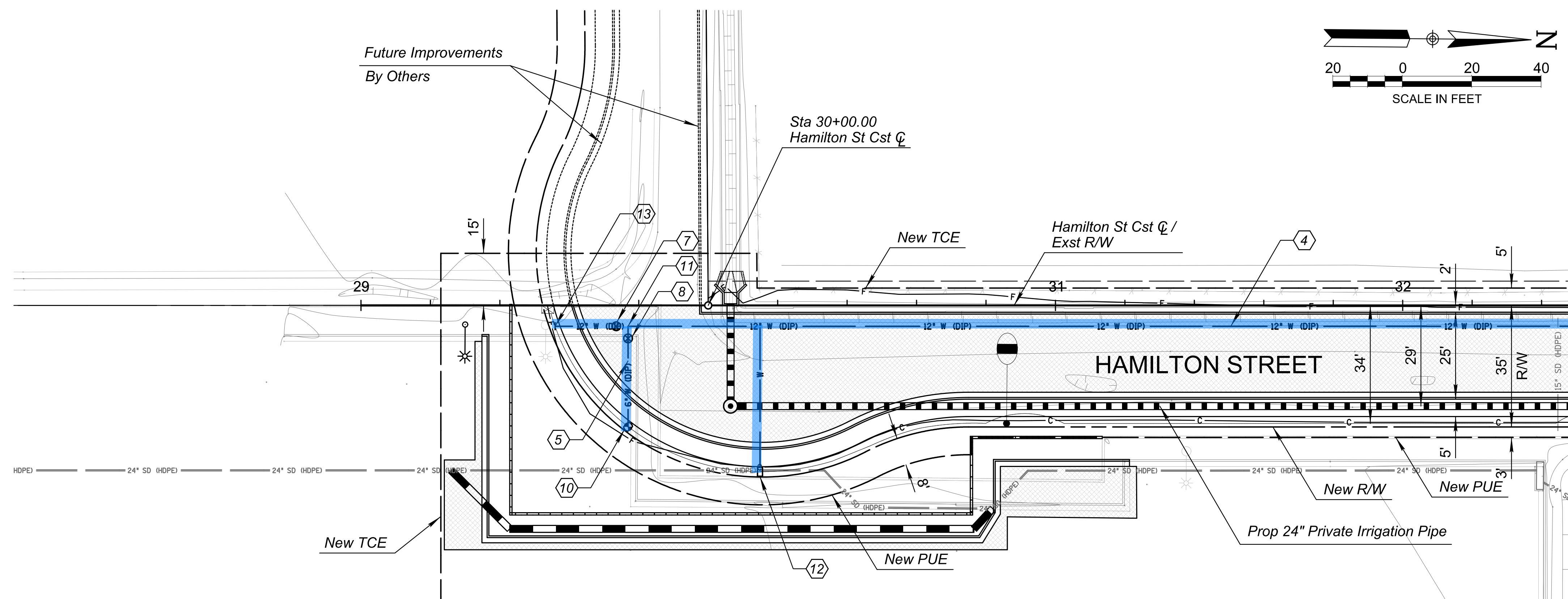
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SCALE (V):	1"=2'
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CHECKED BY:	RPW
DATE:	03/2023

CITY OF CHANDLER
HAMILTON STREET IMPROVEMENTS
IRIS PLACE TO APPELEY ROAD
CAROB STREET 12" DIP
WATERLINE PLAN & PROFILE

CITY PROJECT NO.
ST2007.401

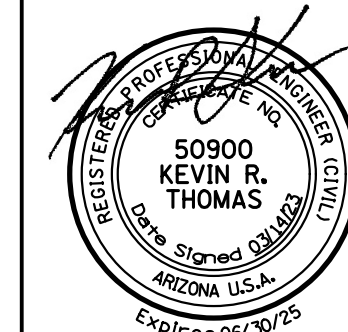
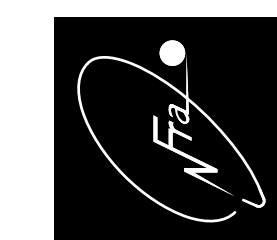
DWG. NO.		
WL03		
38	OF	89

C.O.C. LOG NO.	CIV21-0015	HAMILTON STREET IMPROVEMENTS



CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
④	Install 12" DIP Waterline per COC Dtl C-308	LF	294
⑤	Install 6" DIP Waterline per COC Dtl C-308	LF	29
⑦	Install 12" Water Gate Valve per COC Dtl C-307 & C-317	EA	1
⑧	Install 6" Water Gate Valve per COC Dtl C-307 & C-317	EA	1
⑩	Install Fire Hydrant per COC Dtl C-303 Type A and C-305	EA	1
⑪	Install Tee, Size as Noted	EA	1
⑫	Install Air/Vacuum Release Valve per COC Dtl C-319	EA	1
⑬	12" Restrained Pipe Cap and Flushing Pipe per COC Dtl C-300	EA	1

NFra Inc.
a transportation engineering firm
77 East Thomas Road, Suite 200
Phoenix, Arizona 85012



SCALE (H):	1"=20'
SCALE (V):	1"=2'
DESIGNED BY:	KRT
DRAWN BY:	TV
CHECKED BY:	RPW
DATE:	03/2023

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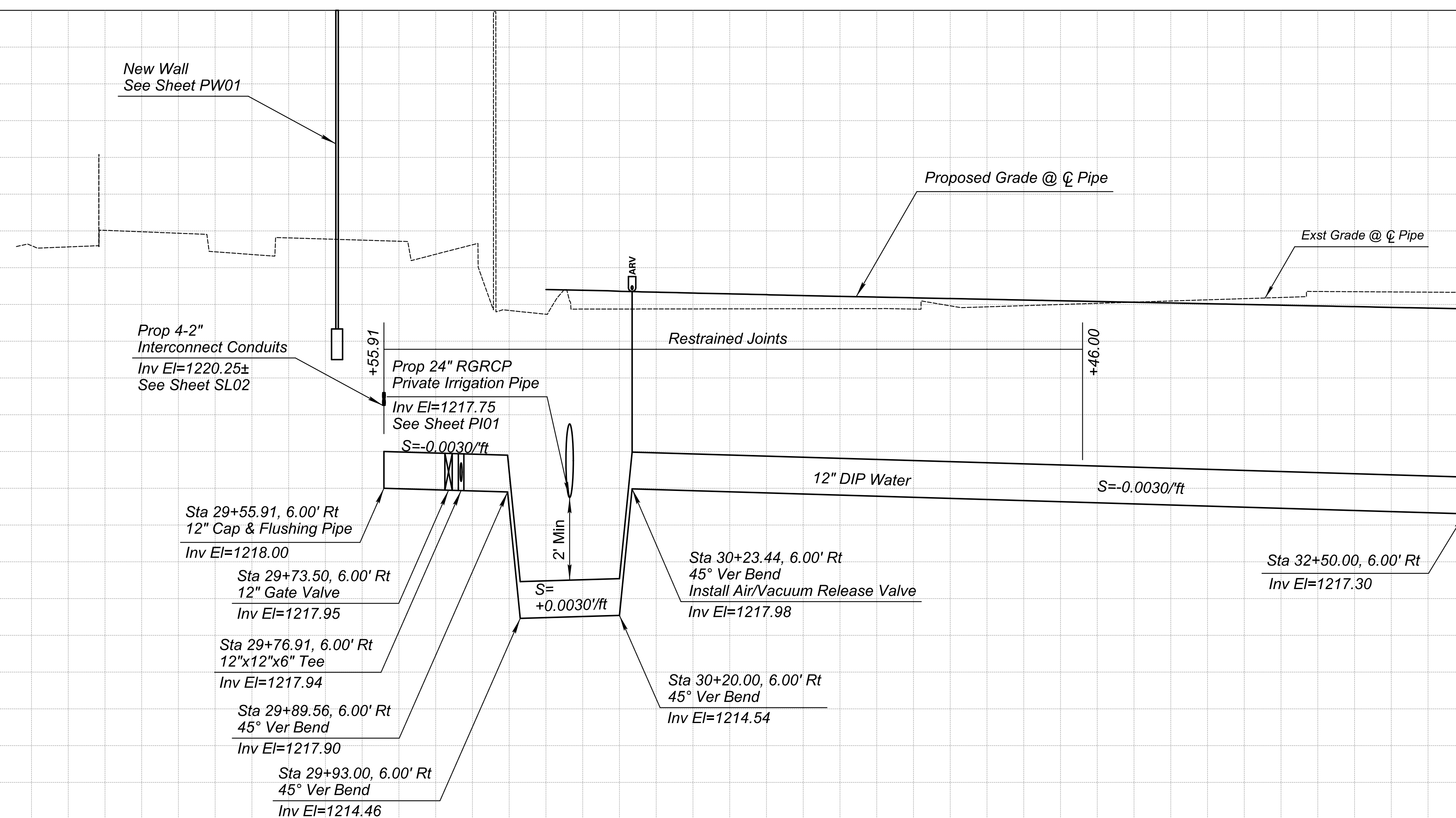
	SHEET NOTES	
	1. Dimensions and Offsets are to the Back of Curb Unless Otherwise Noted.	
	2. See Sheet PL05 for Roadway Plan & Profile	
	3. See Sheet SL2 for Street Lighting Plan.	
	4. See Sheet PI01 for Private Irrigation Plan.	
	5. See Sheet PW01 for Privacy Wall Plan.	

CITY OF CHANDLER
HAMILTON STREET IMPROVEMENTS
IRIS PLACE TO APPELEY ROAD
HAMILTON STREET 12" DIP
WATERLINE PLAN & PROFILE

CITY PROJECT NO.
ST2007.401

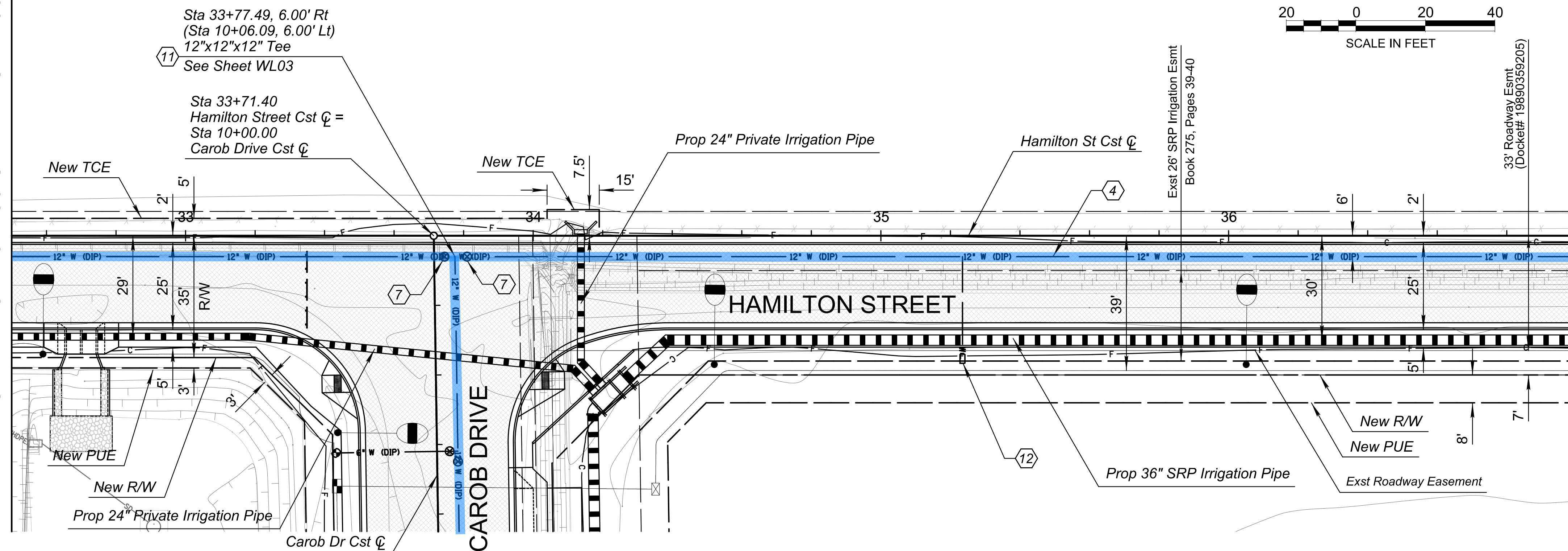
DWG. NO.
WL05

40 OF 89



M	Match
P	Protect
S	Sawcut

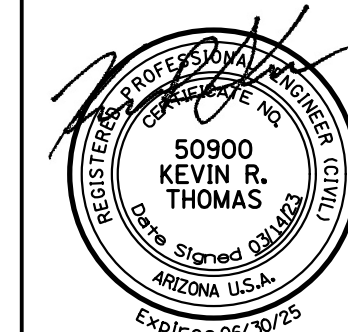
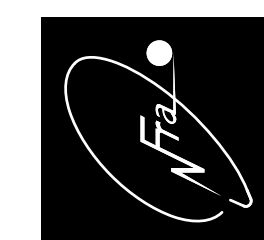




CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
④	Install 12" DIP Waterline per COC Dtl C-308	LF	450
⑦	Install 12" Water Gate Valve per COC Dtl C-307 & C-317	EA	2
⑪	Install Tee, Size as Noted	EA	1
⑫	Install Air/Vacuum Release Valve per COC Dtl C-319	EA	1

[illegible]

NFra Inc.
a transportation engineering firm
77 East Thomas Road, Suite 200
Phoenix, Arizona 85012



SCALE (H):	1"=20'
SCALE (V):	1"=2'
DESIGNED BY:	KRT
DRAWN BY:	TV
CHECKED BY:	RPW
DATE:	03/2023

[illegible]

SHEET NOTES	
1.	<i>Dimensions and Offsets are to the Back of Curb Unless Otherwise Noted.</i>
2.	<i>See Sheet PL06 for Roadway Plan & Profile</i>
3.	<i>See Sheet SL2 for Street Lighting Plan.</i>
4.	<i>See Sheet PI01 & PI02 for Private Irrigation Plan.</i>

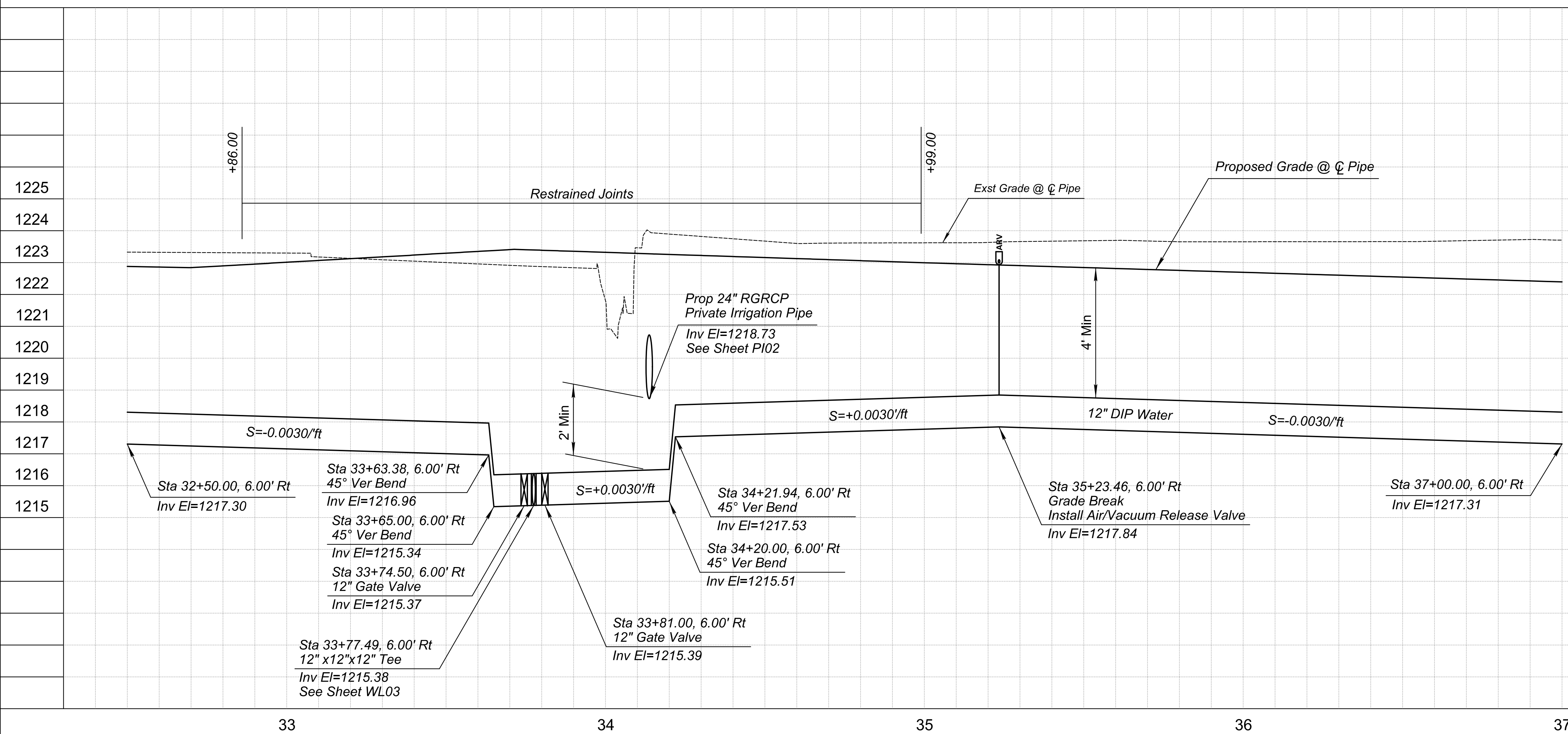
CITY OF CHANDLER
HAMILTON STREET IMPROVEMENTS
IRIS PLACE TO APPELEY ROAD
HAMILTON STREET 12" DIP
WATERLINE PLAN & PROFILE

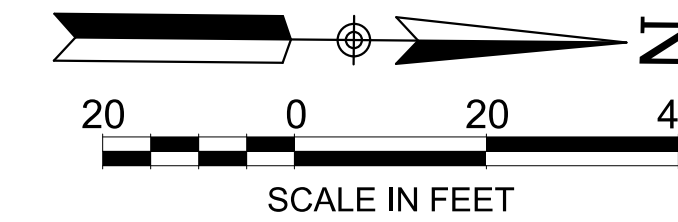
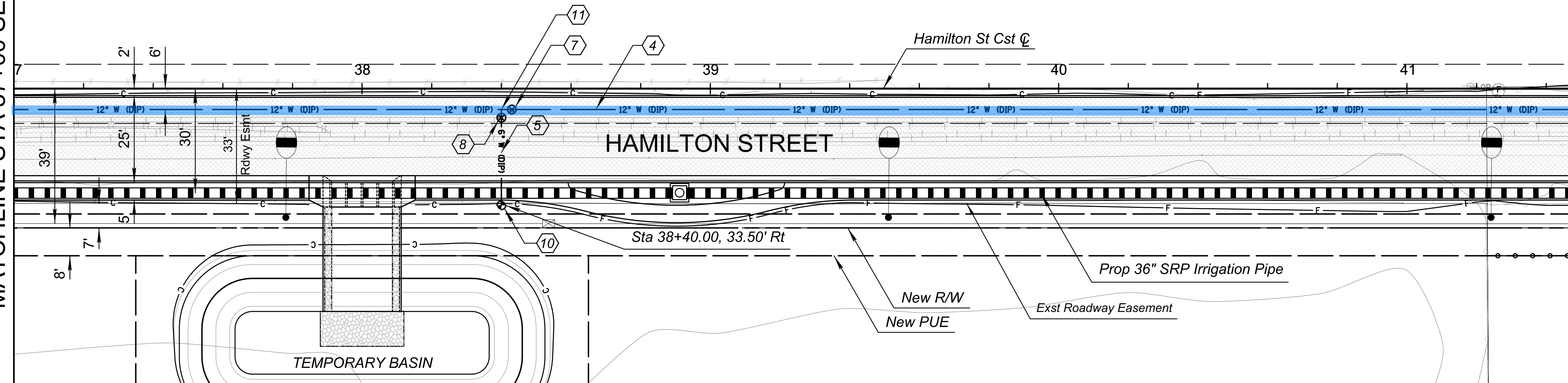
CITY PROJECT NO.
ST2007.401

DWG. NO.
WL06

41 OF 89

M	Match
P	Protect
S	Sawcut





Off Site Work:

MATCHLINE STA 41+50 SEE DWG WL08

[illegible]

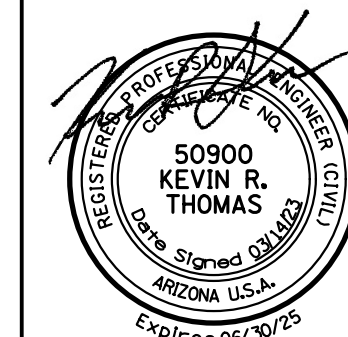
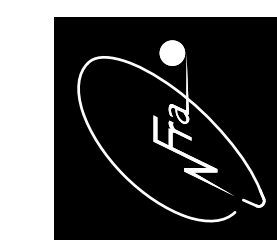
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	NO.	DESCRIPTION	UNIT	QTY.
1				
8				
2				
1				
0				
9				
3				
7				

SHEET NOTES	
1.	<i>Dimensions and Offsets are to the Back of Curb Unless Otherwise Noted.</i>
2.	<i>See Sheet PL07 for Roadway Plan & Profile</i>
3.	<i>See Sheet DR07 for Retention Basin Details.</i>
4.	<i>See Sheet SL2 for Street Lighting Plan.</i>

M	Match
P	Protect
S	Sawcut

[illegible]

NFra Inc.
a transportation engineering firm
77 East Thomas Road, Suite 200
Phoenix, Arizona 85012



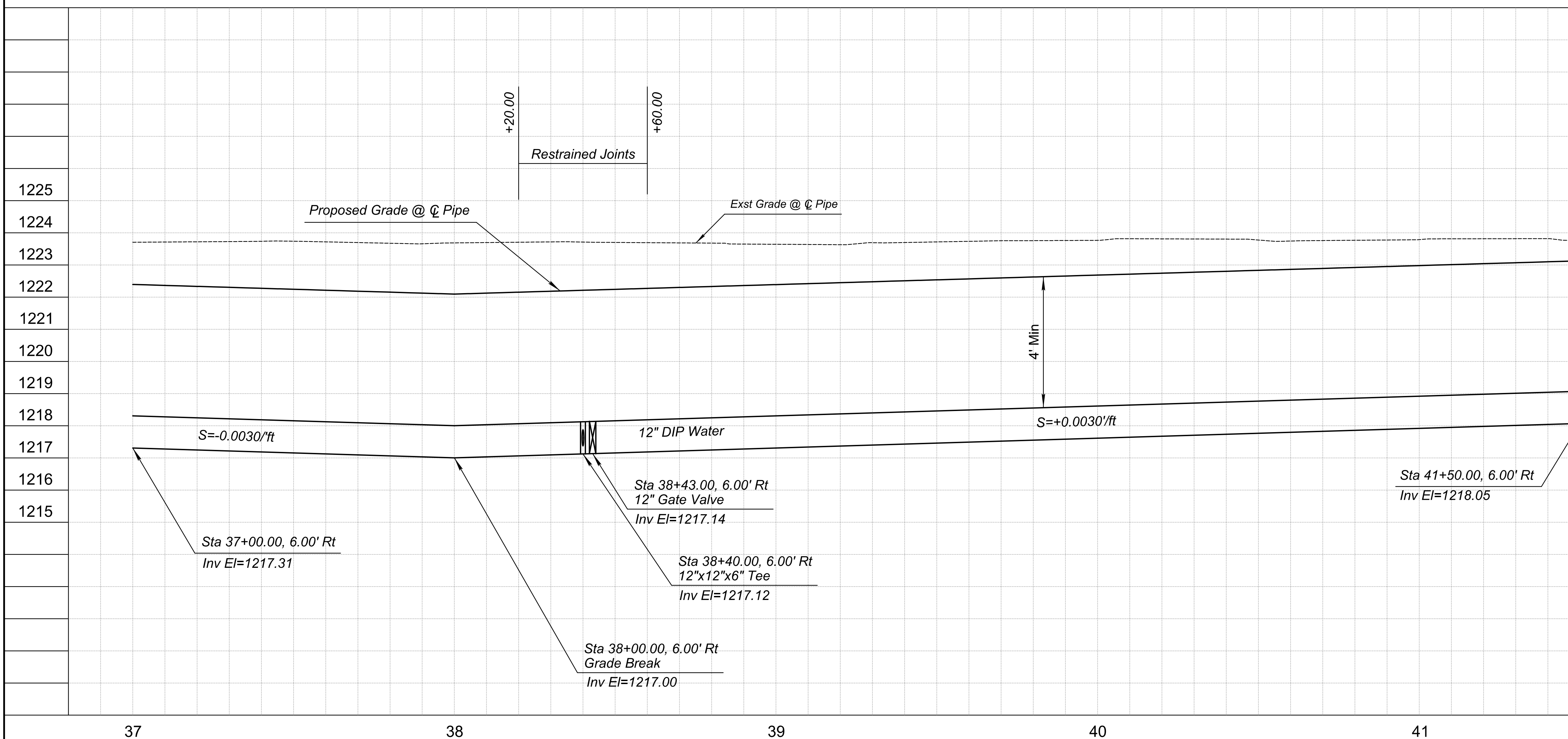
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SCALE (V):	1"=2'
DESIGNED BY:	KRT
DRAWN BY:	TV
CHECKED BY:	RPW
DATE:	03/2023

CITY OF CHANDLER
HAMILTON STREET IMPROVEMENTS
IRIS PLACE TO APPELEY ROAD
HAMILTON STREET 12" DIP
WATERLINE PLAN & PROFILE

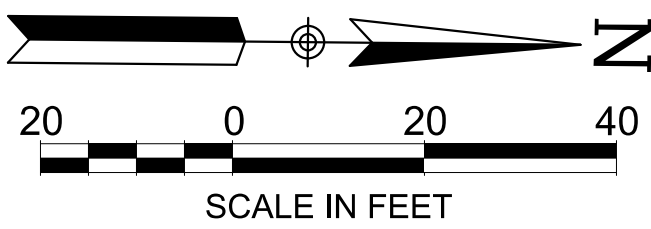
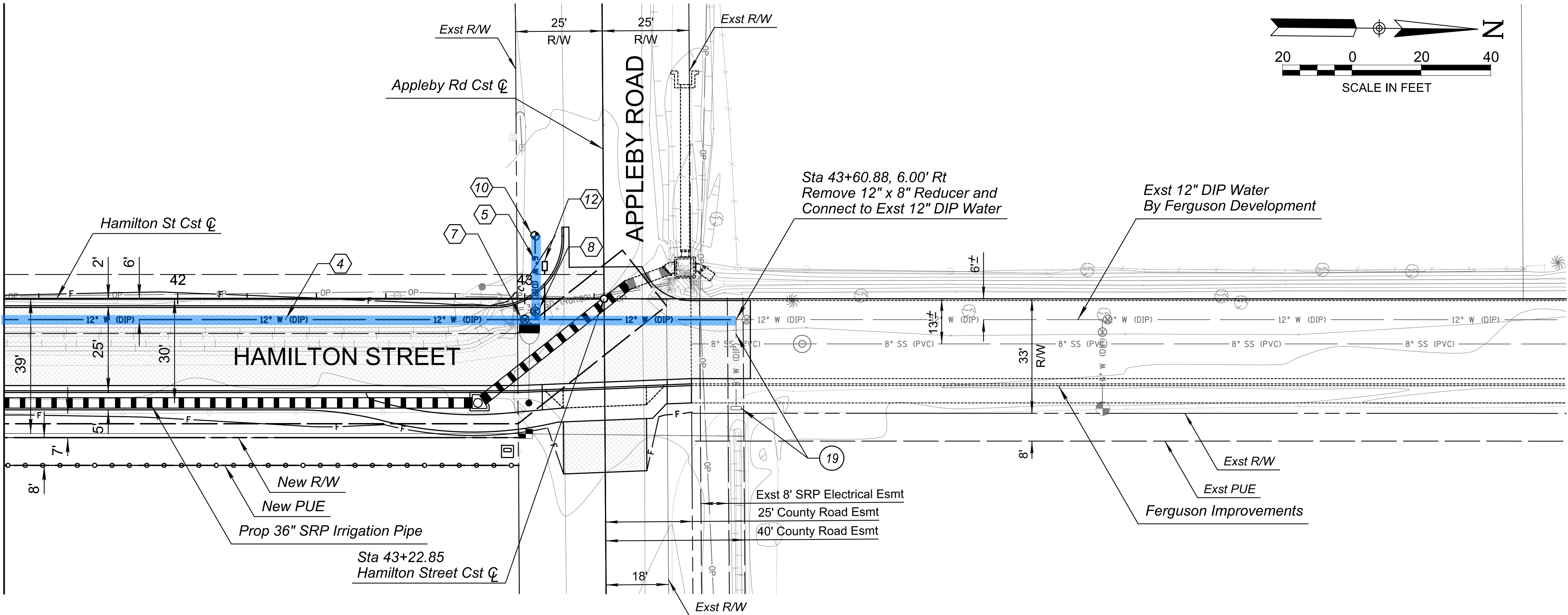
CITY PROJECT NO.
ST2007.401

DWG. NO.
WL07

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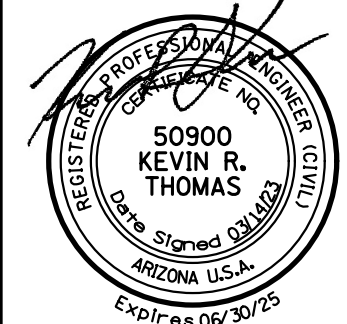
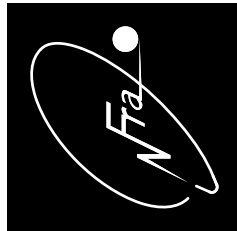
MATCHLINE STA 41+50 SEE DWG WL07



Off Site Work:

CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
4	Install 12" DIP Waterline per COC Dtl C-308	LF	211
5	Install 6" DIP Waterline per COC Dtl C-308	LF	24
7	Install 12" Water Gate Valve per COC Dtl C-307 and C-317	EA	1
8	Install 6" Water Gate Valve per COC Dtl C-307 and C-317	EA	1
10	Install Fire Hydrant per COC Dtl C-303 Type A and C-305	EA	1
11	Install Tee, Size as Noted	EA	1
12	Install Air/Vacuum Release Valve per COC Dtl C-319	EA	1

NFra Inc.
a transportation engineering firm
77 East Thomas Road, Suite 200
Phoenix, Arizona 85012



1"=20'	1"=2'	KRT	TV	RPW	03/2023
SCALE (H):	SCALE (V):	DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:

REMOVAL NOTES			
NO	DESCRIPTION	UNIT	QTY
19	Remove 8" DIP, Flushing Pipe Assembly and Fittings	LF	30

SHEET NOTES			
1.	Dimensions and Offsets are to the Back of Curb Unless Otherwise Noted.		
2.	See Sheet PL08 for Roadway Plan & Profile		
3.	See Sheet SL2 for Street Lighting Plan.		

- [M] Match
- [P] Protect
- [S] Sawcut



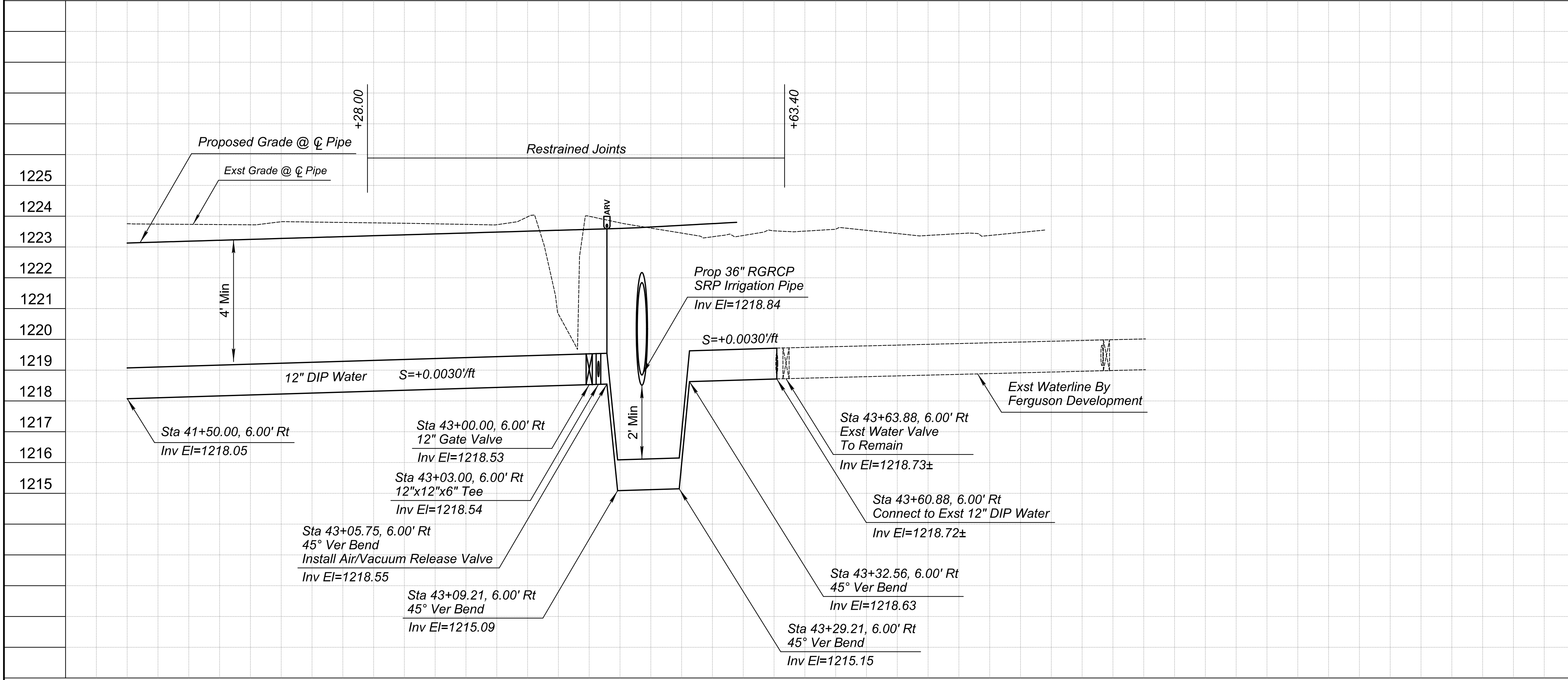
CITY OF CHANDLER
HAMILTON STREET IMPROVEMENTS
IRIS PLACE TO APPLEBY ROAD
HAMILTON STREET 12" DIP
WATERLINE PLAN & PROFILE

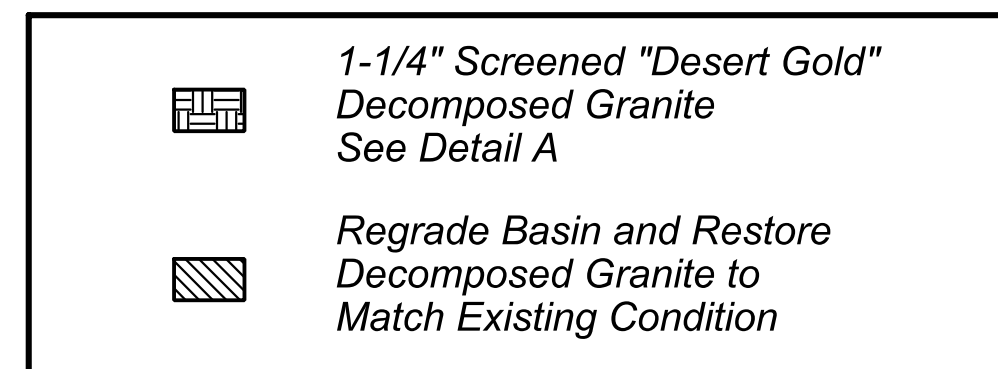
CITY PROJECT NO.
ST2007.401

DWG. NO.
WL08

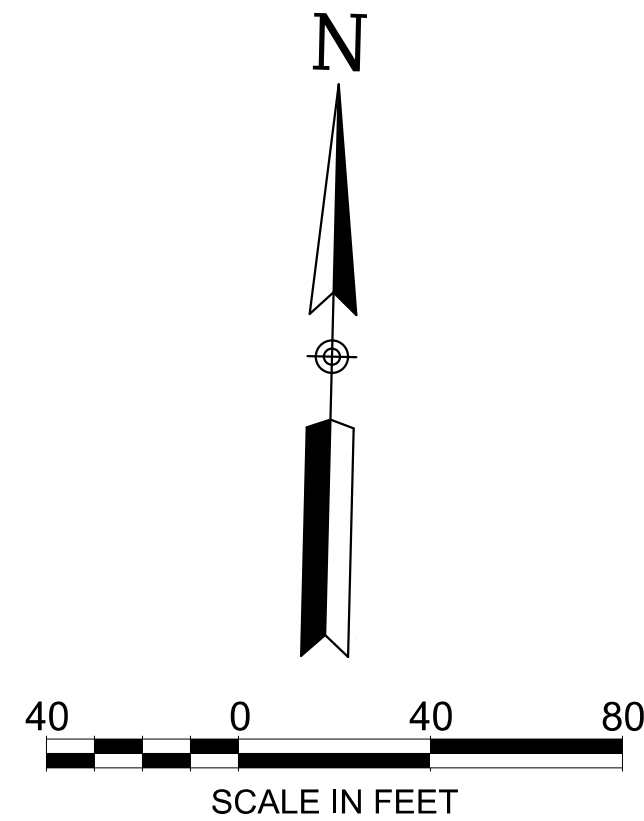
43 OF 89

C.O.C. LOG NO. CIV21-0015 HAMILTON STREET IMPROVEMENTS

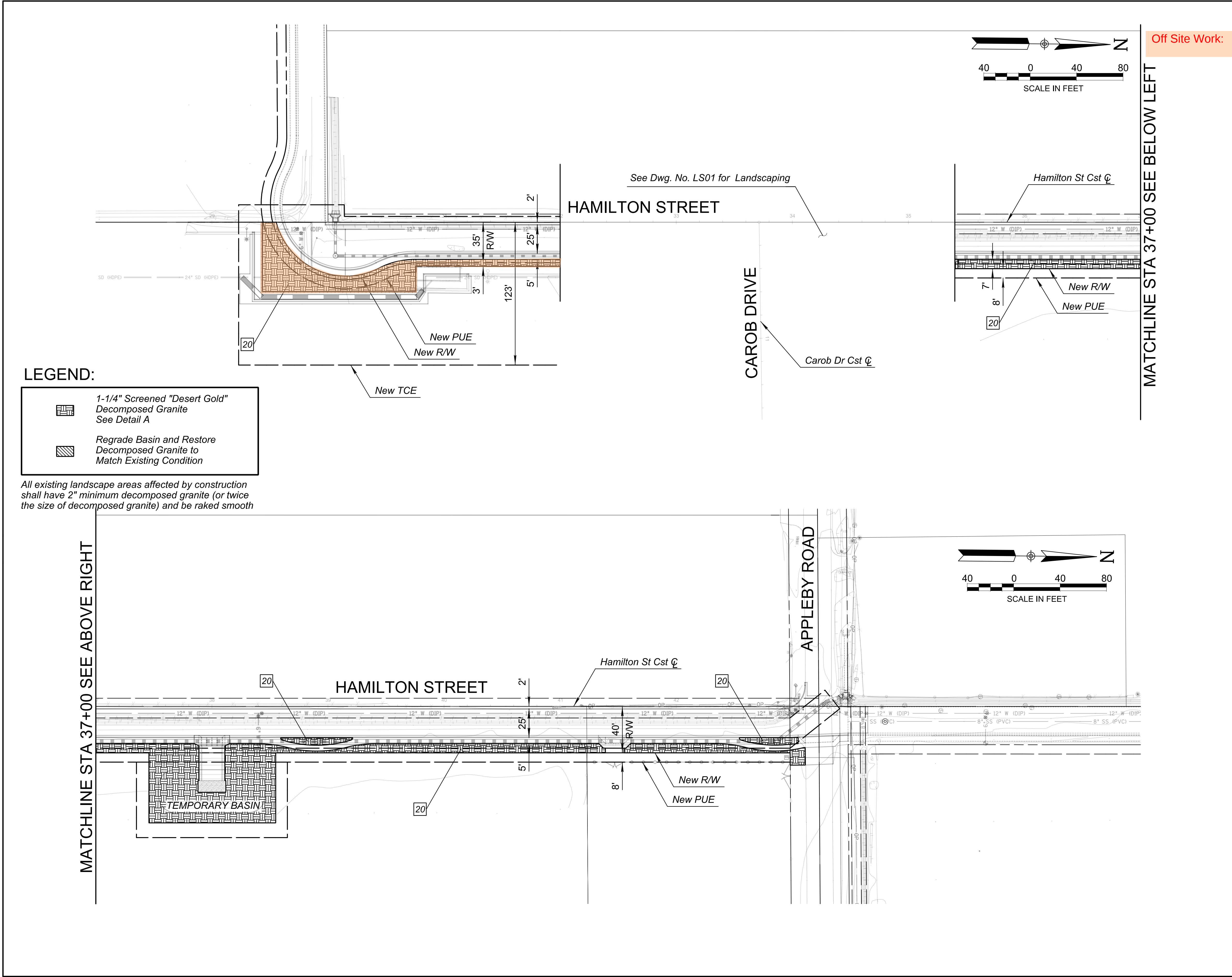




kthomas2 NFRA-TOG-N.TBL 10/3/2023 1:23:30 PM w:\transportation\chandler\st2007 hamilton street\cadd\civil\nfra\Plan Sheets\ST2007_DG01.dgn



C.O.C. LOG NO.	CIV21-0015	HAMILTON STREET IMPROVEMENTS
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LEGEND:

1-1/4" Screened "Desert Gold"
Decomposed Granite
See Detail A

Regrade Basin and Restore
Decomposed Granite to
Match Existing Condition

All existing landscape areas affected by construction shall have 2" minimum decomposed granite (or twice the size of decomposed granite) and be raked smooth

Off Site Work:

CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
20	1-1/4" Screened "Desert Gold" Decomposed Granite See Detail A	SY	1,772
REMOVAL NOTES			
NO	DESCRIPTION	UNIT	QTY
SHEET NOTES			
1. Dimensions and Offsets are to the Back of Curb Unless Otherwise Noted.			

By

Date

Revisions

No.

50900

KEVIN R. THOMAS

REGISTERED PROFESSIONAL ENGINEER

ARIZONA, U.S.A.

Expires 06/30/25

Scale (H): 1"=40'

Scale (V): N/A

Designed By: KRT

Drawn By: TV

Checked By: RPW

Date: 10/2023

CITY OF CHANDLER

HAMILTON STREET IMPROVEMENTS

IRIS PLACE TO APPLEBY ROAD

DECOMPOSED GRANITE

PLAN SHEET

CITY PROJECT NO.

ST2007.401

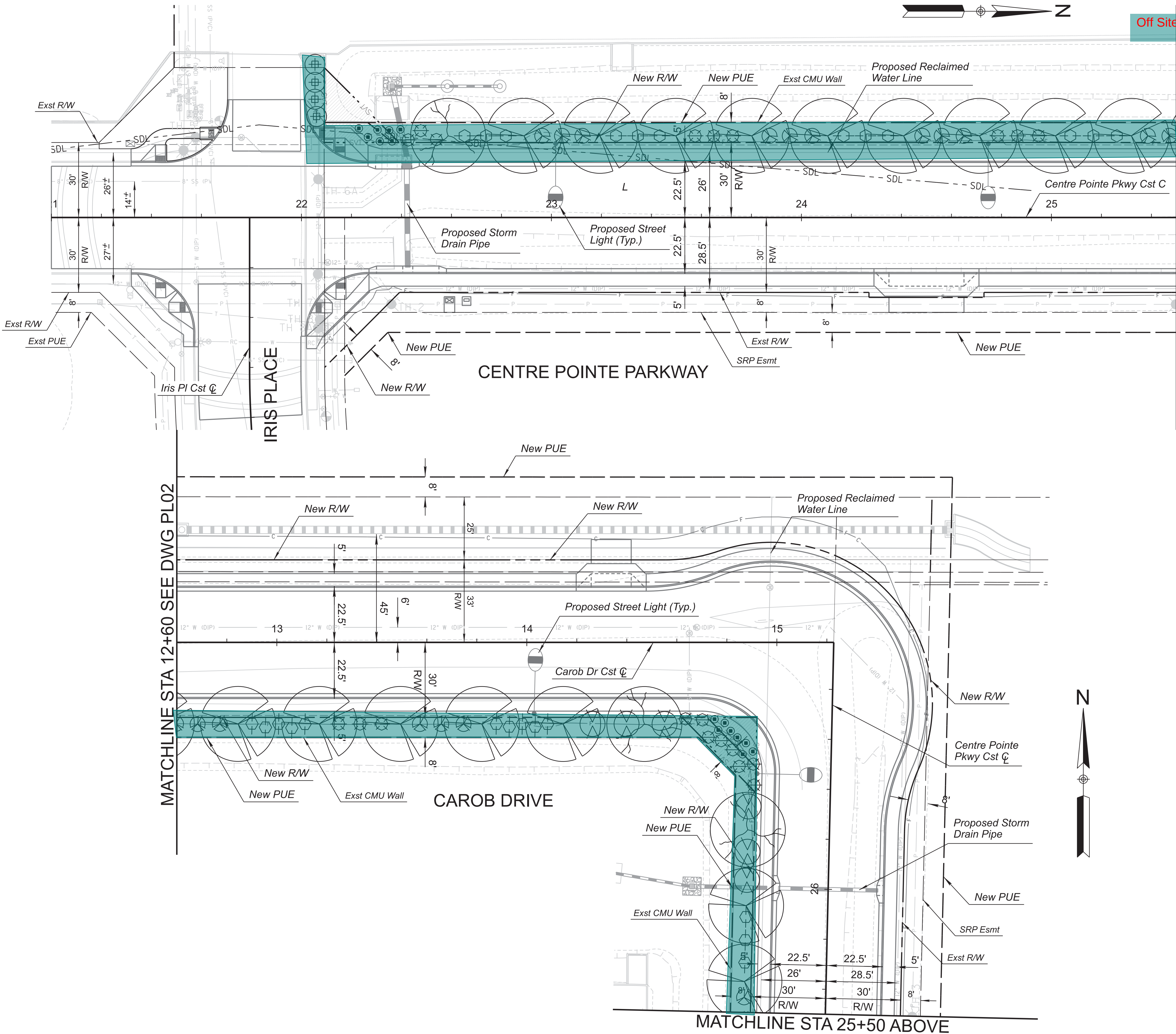
DWG. NO.

DG02

49

OF

89



PLANT LEGEND			
SYMBOL	TREE NAME	SIZE	QTY.
	Pistacia x 'Red Push' Red Push	48" BOX (12'-14" TALL)	7
	Quercus virginiana Southern Live Oak	48" BOX (13'-15" TALL)	21
SYMBOL	SHRUB NAME	SIZE	QTY.
	Dodonaea viscosa Hop Seed Bush	5 GAL.	11
	Convolvulus cneorum Bush Morning Glory	5 GAL.	40
	Lantana X 'Dallas Red' Dallas Red Lantana	5 GAL.	46
	Leucophyllum laevigatum Chihuahuan Sage	5 GAL.	58
	Nerium oleander Oleander	5 GAL.	30
	Tecoma x 'Orange Jubilee' Orange Jubilee	5 GAL.	14

--- SDL --- SIGHT DISTANCE LINE
--- SVT --- SIGHT VISIBILITY TRIANGLE

NOTE:

- PRIOR TO ANY LANDSCAPE OR IRRIGATION CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR / DEVELOPER SHALL NOTIFY THE SR SITE DEVELOPMENT INSPECTOR AT 480-782-3061 AT LEAST 48 HOURS IN ADVANCE OF INSTALLATION OF WORK.
- ALL TREES SHALL COMPLY WITH THE LATEST AMENDED EDITION OF THE "ARIZONA NURSERY ASSOCIATION RECOMMENDED TREE SPECIFICATIONS" SEE SECTION 1903 (6)(a), ZONING CODE.
- QUANTITIES SHOWN ON THIS SHEET ARE FOR THE TOTAL PROJECT AREA.

SHRUB & GROUND COVER COVERAGE:
TOTAL PLANTING AREA - 13,442 SQ.FT.
TOTAL SHRUB & GROUND COVER AREA - 5,394 SQ.FT.

ENGINE CONSULTANT
12 engineering and environmental design
8222 south 48th street, suite 135
phoenix, arizona 85044
phone: 602.438.2221
www.2designs.com

SCALE (H): 1"=20'

SCALE (V): N/A

DESIGNED BY: ESN

DRAWN BY: ESN

CHECKED BY: JTV

DATE: 02/10/2023

CITY OF CHANDLER
HAMILTON STREET IMPROVEMENTS
IRIS PLACE TO APPLEBY ROAD
LANDSCAPE PLAN

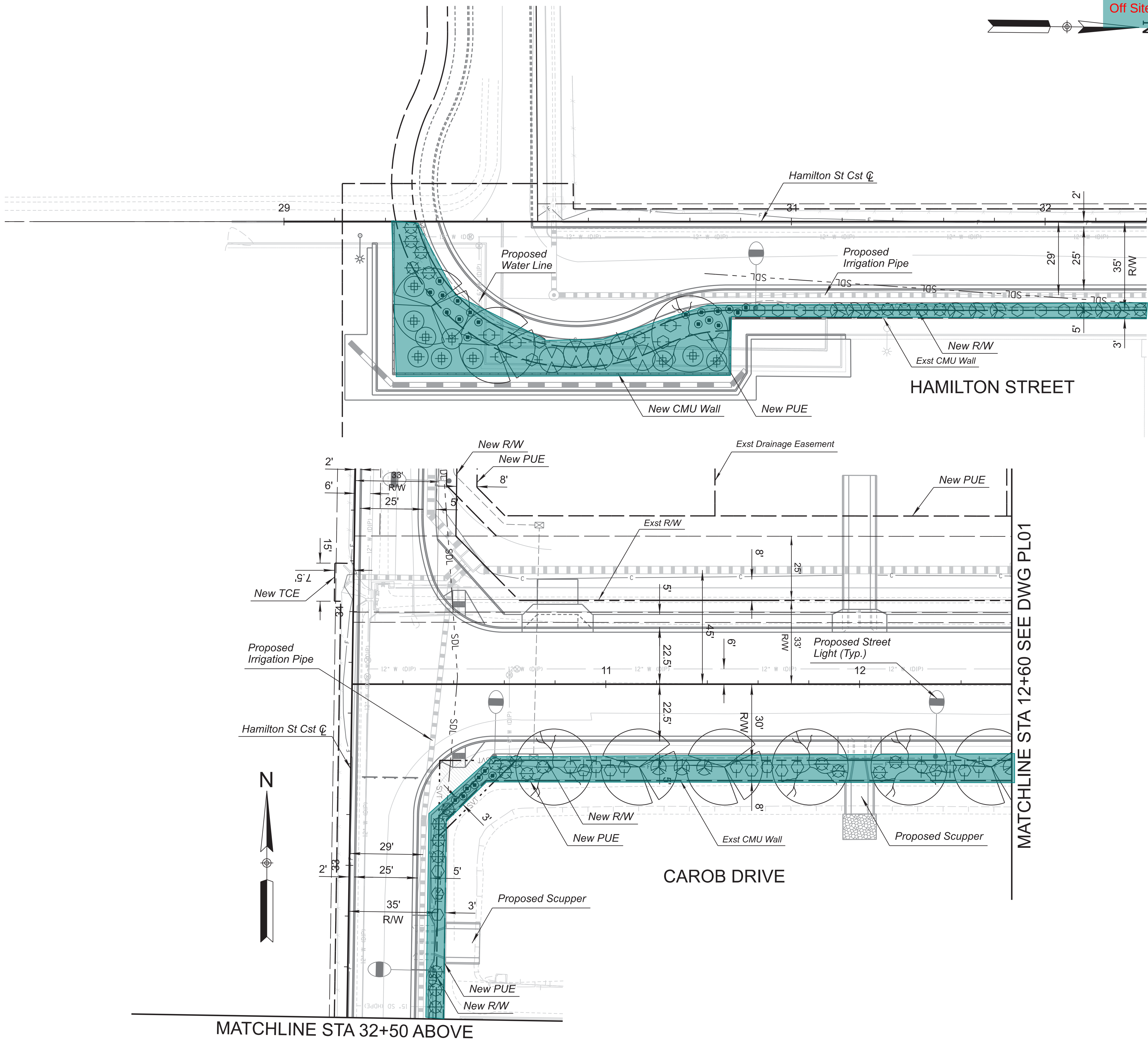
CITY PROJECT NO.
ST2007.401

DWG. NO.
LS201

51 OF 89

BY: DATE: REVISIONS: No.

C.O.C. LOG NO. ERW20-XXXX
HAMILTON STREET IMPROVEMENTS



PLANT LEGEND			
SYMBOL	TREE NAME	SIZE	QTY.
	Pistacia x 'Red Push' Red Push	48" BOX (12'-14" TALL)	7
	Quercus virginiana Southern Live Oak	48" BOX (13'-15" TALL)	21
SYMBOL	SHRUB NAME	SIZE	QTY.
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	Leucophyllum laevigatum Chihuahuan Sage	5 GAL.	58
	Nerium oleander Oleander	5 GAL.	30
	Tecoma x 'Orange Jubilee' Orange Jubilee	5 GAL.	14

--- SDL --- SIGHT DISTANCE LINE
--- SVT --- SIGHT VISIBILITY TRIANGLE

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TOTAL SHRUB & GROUND COVER AREA -
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8222 south 48th street, suite 135
phoenix, arizona 85044
phone: 602.438.2221
www.2designs.us

2
SUB CONSULTANT

REGISTERED LANDSCAPE ARCHITECT
35538
JEFFREY T. VELASQUEZ
DESIGNED BY: JTV
DRAWN BY: ESN
CHECKED BY: ESN
DATE: 02/10/2023

CITY OF CHANDLER
HAMILTON STREET IMPROVEMENTS
IRIS PLACE TO APPLEBY ROAD
LANDSCAPE PLAN

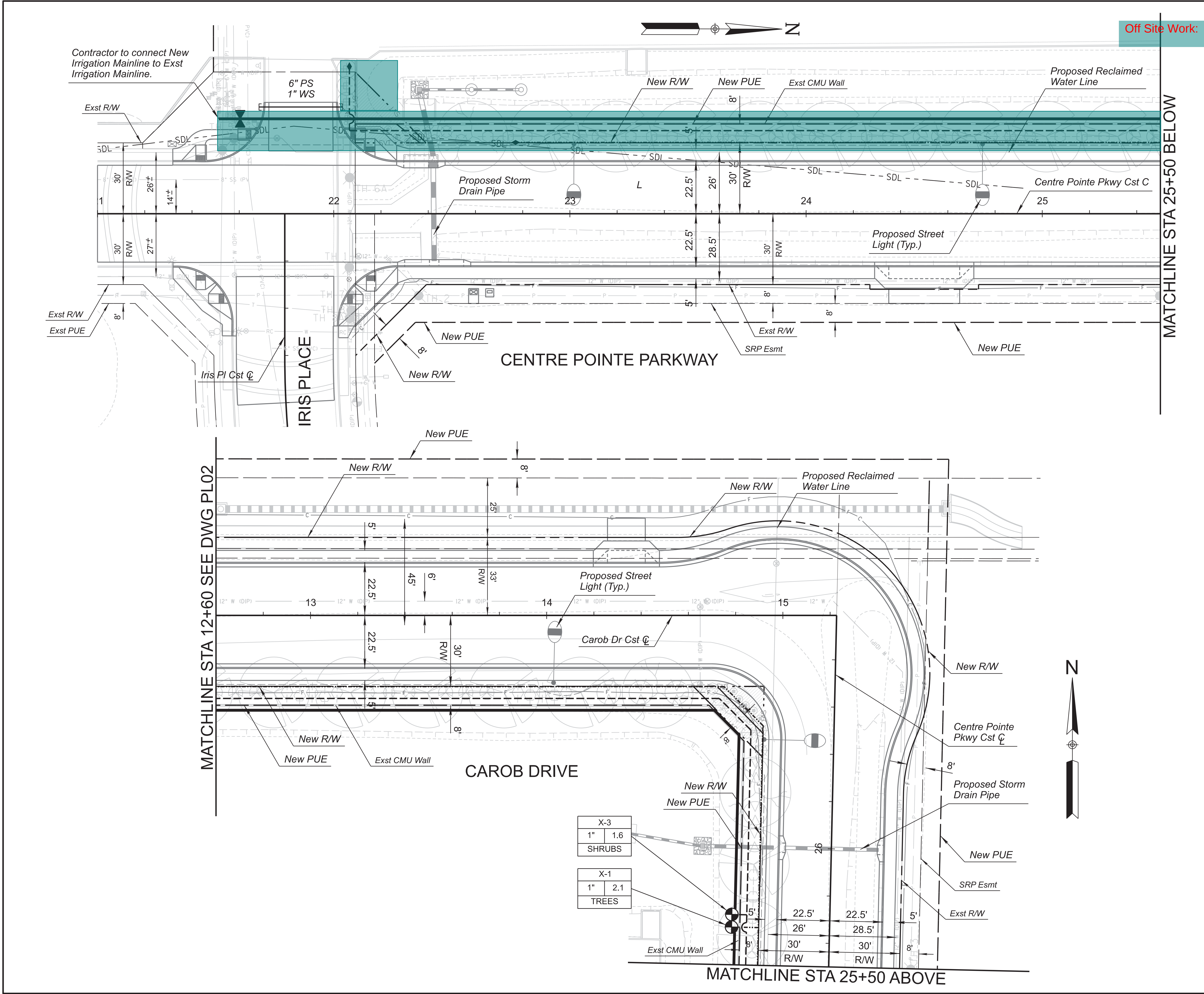
CITY PROJECT NO.
ST2007.401

DWG. NO.
LS202

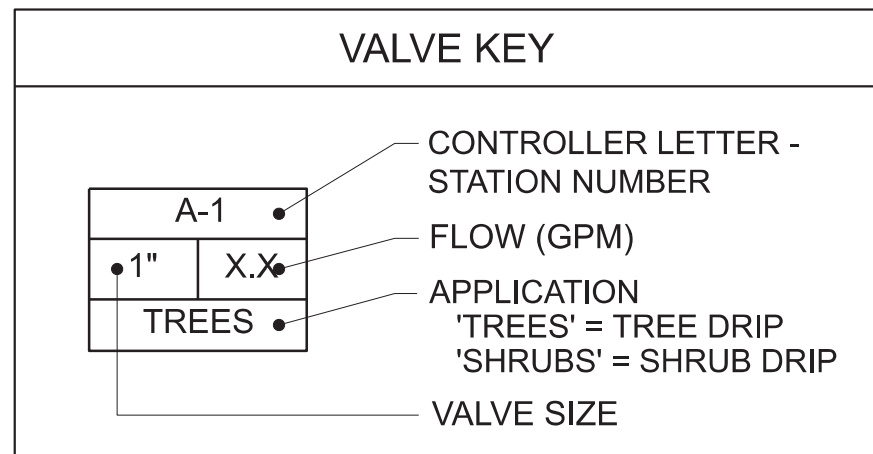
52 OF 89

C.O.C. LOG NO. ERW20-XXXX HAMILTON STREET IMPROVEMENTS

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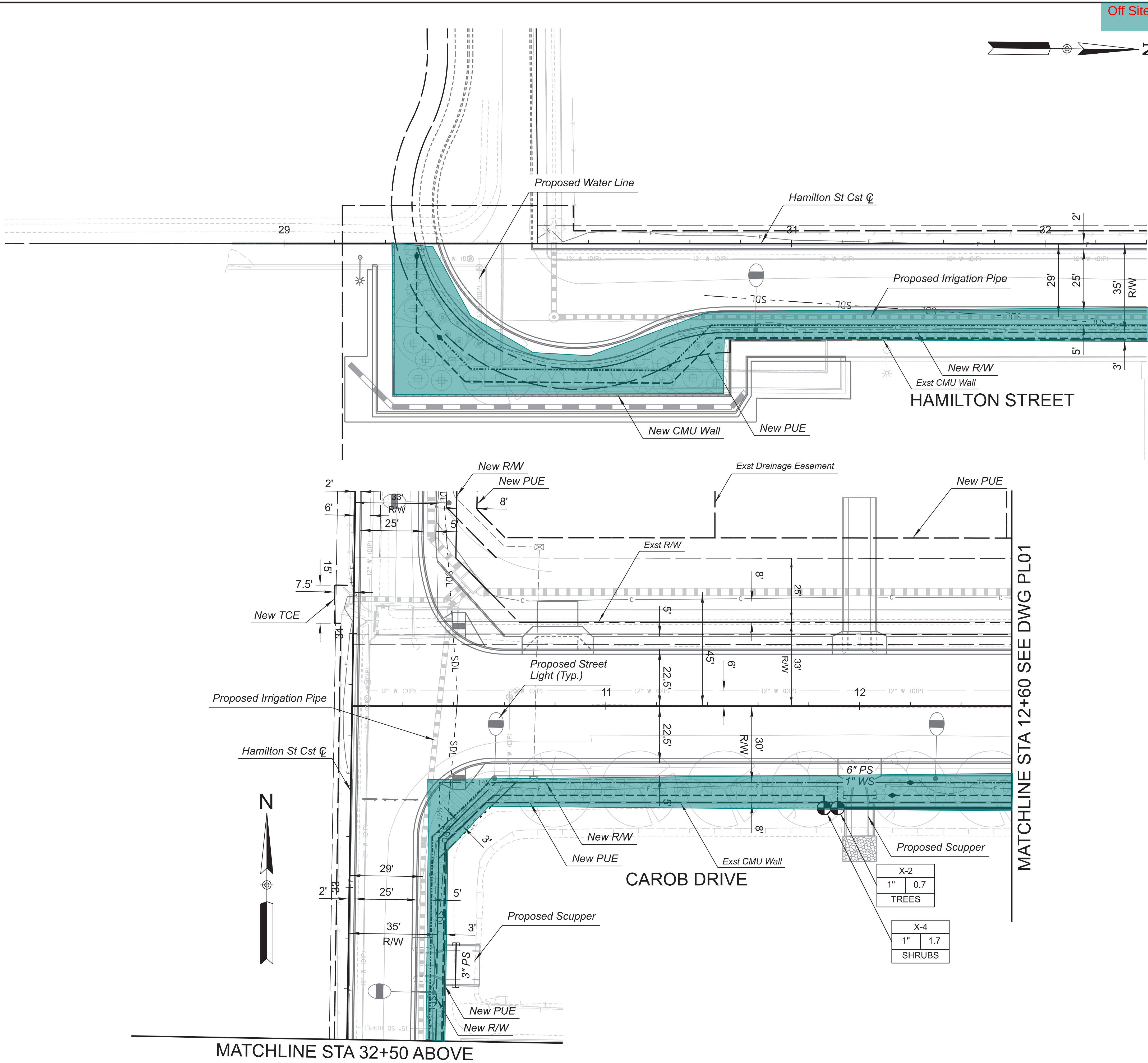


IRRIGATION LEGEND		
SYMBOL	IRRIGATION DESCRIPTION	SYMBOL
	ISOLATION BALL VALVE: 1 1/2"	1 EA
	LATERAL FLUSH VALVE ASSEMBLY: 1/2"	6 EA
	DRIP REMOTE CONTROL VALVE ASSEMBLY: 1"	4 EA
	MAINLINE PIPE: 1 1/2" SCHEDULE 40 PVC	817 LF
	TREE LATERAL PIPE: 3/4" CLASS 200 PVC	1,332 LF
	SHRUB LATERAL PIPE: 3/4" CLASS 200 PVC	1,333 LF
	SLEEVES: PIPE SLEEVES (PS) = X" SCH 40 PVC PIPE WIRE SLEEVES (WS) = 1" SCH 40 ELECTRICAL CONDUIT	1" - 50 LF 3" - 18 LF 6" - 50 LF



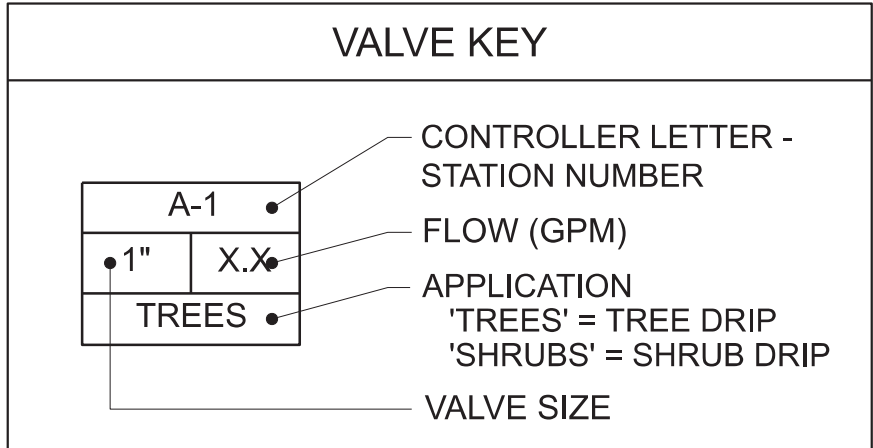
- NOTE:
- PRIOR TO ANY LANDSCAPE OR IRRIGATION CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR / DEVELOPER SHALL NOTIFY THE SR. SITE DEVELOPMENT INSPECTOR AT 480-782-3061 AT LEAST 48 HOURS IN ADVANCE OF INSTALLATION OF WORK.
 - QUANTITIES SHOWN ON THIS SHEET ARE FOR THE TOTAL PROJECT AREA.

BY	DATE	REVISIONS	No.
ENGINEERING CONSULTANT 12 engineering and environmental design 8222 south 48th street, suite 135 phoenix, arizona 85044 phone: 602.438.2221 WWW.12DESIGN.COM REGISTERED LANDSCAPE ARCHITECT 35538 JEFFREY T. VELASQUEZ 02/10/2023 SCALE (H): 1"=20' SCALE (V): N/A DESIGNED BY: ESN DRAWN BY: ESN CHECKED BY: JTV DATE: 02/10/2023 CITY OF CHANDLER HAMILTON STREET IMPROVEMENTS IRIS PLACE TO APPELEY ROAD IRRIGATION PLAN CITY PROJECT NO. ST2007.401 DWG. NO. IR201 55 OF 89			



Off Site Work:

IRRIGATION LEGEND		
SYMBOL	IRRIGATION DESCRIPTION	SYMBOL
	ISOLATION BALL VALVE: 1 1/2"	1 EA
	LATERAL FLUSH VALVE ASSEMBLY: 1/2"	6 EA
	DRIP REMOTE CONTROL VALVE ASSEMBLY: 1"	4 EA
	MAINLINE PIPE: 1 1/2" SCHEDULE 40 PVC	817 LF
	TREE LATERAL PIPE: 3/4" CLASS 200 PVC	1,332 LF
	SHRUB LATERAL PIPE: 3/4" CLASS 200 PVC	1,333 LF
	SLEEVES: PIPE SLEEVES (PS) = X" SCH 40 PVC PIPE WIRE SLEEVES (WS) = 1" SCH 40 ELECTRICAL CONDUIT	1" - 50 LF 3" - 18 LF 6" - 50 LF



- NOTE:
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 - QUANTITIES SHOWN ON THIS SHEET ARE FOR THE TOTAL PROJECT AREA.

SCALE (H):	1"=20'
SCALE (V):	N/A
DESIGNED BY:	ESN
DRAWN BY:	ESN
CHECKED BY:	JTV
DATE:	02/10/2023

CITY OF CHANDLER
HAMILTON STREET IMPROVEMENTS
IRIS PLACE TO APPELBY ROAD
IRRIGATION PLAN

CITY PROJECT NO.
ST2007.401

DWG. NO.
IR202

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ENGINEERING AND ENVIRONMENTAL DESIGN
8222 SOUTH 48TH STREET, SUITE 135
PHOENIX, ARIZONA 85044
PHONE: 602.438.2221
WWW.J2DESIGNS.COM

REGISTERED LANDSCAPE ARCHITECT
35538
JEFFREY T. VELASQUEZ
02/10/2023

DATE: 02/10/2023

C.O.C. LOG NO. ERW20-XXXX HAMILTON STREET IMPROVEMENTS