



NICKLAUS ENGINEERING, INC.

8(a) ~ DBE ~ WOSB ~ SBE

- Civil • Survey • Architecture
- Environmental • Geotechnical

Addendum # 1

Project Name: City of San Luis Union Street & 6th Ave. Paving Improvements
NEI Project Number: 017-0043
Date: 03/20/2018



Marisol A. Canales

EXPIRES 12/31/18

This Addendum is a part of the Contract Documents and modifies the original Bid Documents distributed March 12, 2018, as noted below. It shall be the sole responsibility of the Bidder to appropriately disseminate this data to all applicable parties prior to the assigned bid date and time and to submit a bid fully addressing the changes made herein. Bidder must acknowledge receipt of the Addendum on the Bid Form. Failure to do so may disqualify the Bid.

Modifications to project manual, drawings, and clarifications:

A. Project Manual

1. Remove pages PK8-PK11, Contractor's Qualification Statement. It will not be required for this project.
2. Substantial completion shall be 60 days in lieu of 100 days as shown in the project manual.
3. The bid schedule has been revised per the new drawings. Replace pages PK-2 and PK-3 with the revised bid schedule attached.
4. Contractor may submit questions to mcanales@neiaw.com by 10am on Thursday March 22, 2018. Questions received after this date will not be responded to.
5. Bid date remains unchanged. Bids are due March 26, 2018 at 11:00 am.

B. Drawings

1. Replace the existing set of plans with the new set dated 3/20/18. The plans have been revised to remove the 6th Avenue widening, and all associated work from the base bid. The contractor will grade a temporary retention basin as shown on the new plans. The striping shall also be modified as shown on the updated striping plans.
2. The Bienestar Subdivision retention basin irrigation and excavation work has been removed from the scope of work as shown on the new plans dated 3/20/18.

C. Clarifications:

1. All fill material shall be tested by an approved materials testing laboratory for review and acceptance by the engineer prior to use.
2. The City of San Luis shall provide all materials testing, and all construction staking for this project.
3. Davis Bacon wages do not apply on this project.
4. Work is expected to begin in April 2018.
5. A list of attendees to the pre bid meeting held on 3/15/18 is attached to this addendum.

End of Addendum #1

BID SCHEDULE (Addendum No. 1)

Project Name: City of San Luis
 Union Street & 6th Avenue Paving Improvements Project

For: City of San Luis, Arizona

Bid Item	Description	Estimated Quantity	Unit	Unit Cost	TOTAL
1	Mobilization	1	LS	\$	\$
2	Demobilization	1	LS	\$	\$
3	Traffic Control & Project Sign	1	LS	\$	\$
4	Clear & Grub (streets, slopes, and basins)	11,705	SY	\$	\$
5	SWPPP Implementation	1	LS	\$	\$
6	Remove CMU Wall	170	LF	\$	\$
7	Sawcut Existing AC Pavement	186	LF	\$	\$
8	Remove & Dispose Ex. AC Pavement & ABC	42	SY	\$	\$
9	Grading Under Base Course	5,031	SY	\$	\$
10	New 6" ABC (Union Street and beneath all C&G)	3,653	SY	\$	\$
11	New 12" ABC (Intersection of Union St. & 6th Ave.)	485	SY	\$	\$
12	New 6" ABC Shoulder	1,179	SY	\$	\$
13	New 3" AC Pavement	3,852	SY	\$	\$
14	Remove and Replace Barricade	2	EA	\$	\$
15	Remove & Salvage Ex. Sign	1	EA	\$	\$
16	Fog Seal (All new roads, including east half of 6th Ave.)	4,145	SY	\$	\$
17	4" Wide Solid White Striping "4SW" COY Det. 9-110	104	LF	\$	\$
18	18" Wide Solid White Stop Bar "18SW" COY Det. 9-110	24	LF	\$	\$
19	4" Wide Solid Yellow Striping	1,207	LF	\$	\$
20	New 6' CMU Wall	170	SF	\$	\$

Bid Item	Description	Estimated Quantity	Unit	Unit Cost	TOTAL
21	New 6' CMU Wall	170	SF	\$	\$
22	18" HDPE Storm Pipe	59	LF	\$	\$
23	HDPE Pipe End Section with Trash Guard	1	EA	\$	\$
24	Type "E" Catch Basin with Double Grate	2	EA	\$	\$
25	5' Sidewalk	6,267	SF	\$	\$
26	Vertical Curb & Gutter	1,291	LF	\$	\$
27	Install New Stop Sign	2	EA	\$	\$
28	New Handicap Ramp	1	EA	\$	\$
29	As-Built Plans	1	EA	\$	\$
	SECTION A - SUBTOTAL (Items 1 - 29)				\$
	SECTION B - CONTINGENCY (5% of SECTION A)				\$
	TOTAL PROBABLE CONSTRUCTION COST (SECTIONS A + B)				\$



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City of San Luis Union Street & 6th Ave. Paving Improvements

Pre-bid Meeting

3/15/2018

Attendees			
Name	Company	Email	Phone #
Eulogio Vera	City of San Luis	evera@cityofsanluis.org	928 341-8577
Marisol Canales	Nicklaus Engineering, Inc.	mcanales@neiaw.com	(928) 920-1247
Will Toms	SWP	willt@swpcontractors.com	(928) 276-9385
Mike Thompson	Cemex	michael.thompson@cemex.com	(928) 941-1731
Frank Major	DPE	frankm@dpeyuma.com	
Jim Allen	DPE	jima@dpeyuma.com	(928) 783-7885

CITY OF SAN LUIS

UNION ST. & 6TH AVE. PAVING IMPROVEMENTS PROJECT

MAYOR

GERARDO SANCHEZ

VICE-MAYOR

MATIAS ROSALES

CITY COUNCIL

MARIO BUCHANAN, JR.

AFRICA LUNA-CARRASCO

GLORIA TORRES

RUBEN WALSH

MARIA CECILIA RAMOS



CITY MANAGER

TADEO A. DE LA HOYA

DIRECTOR OF PUBLIC WORKS

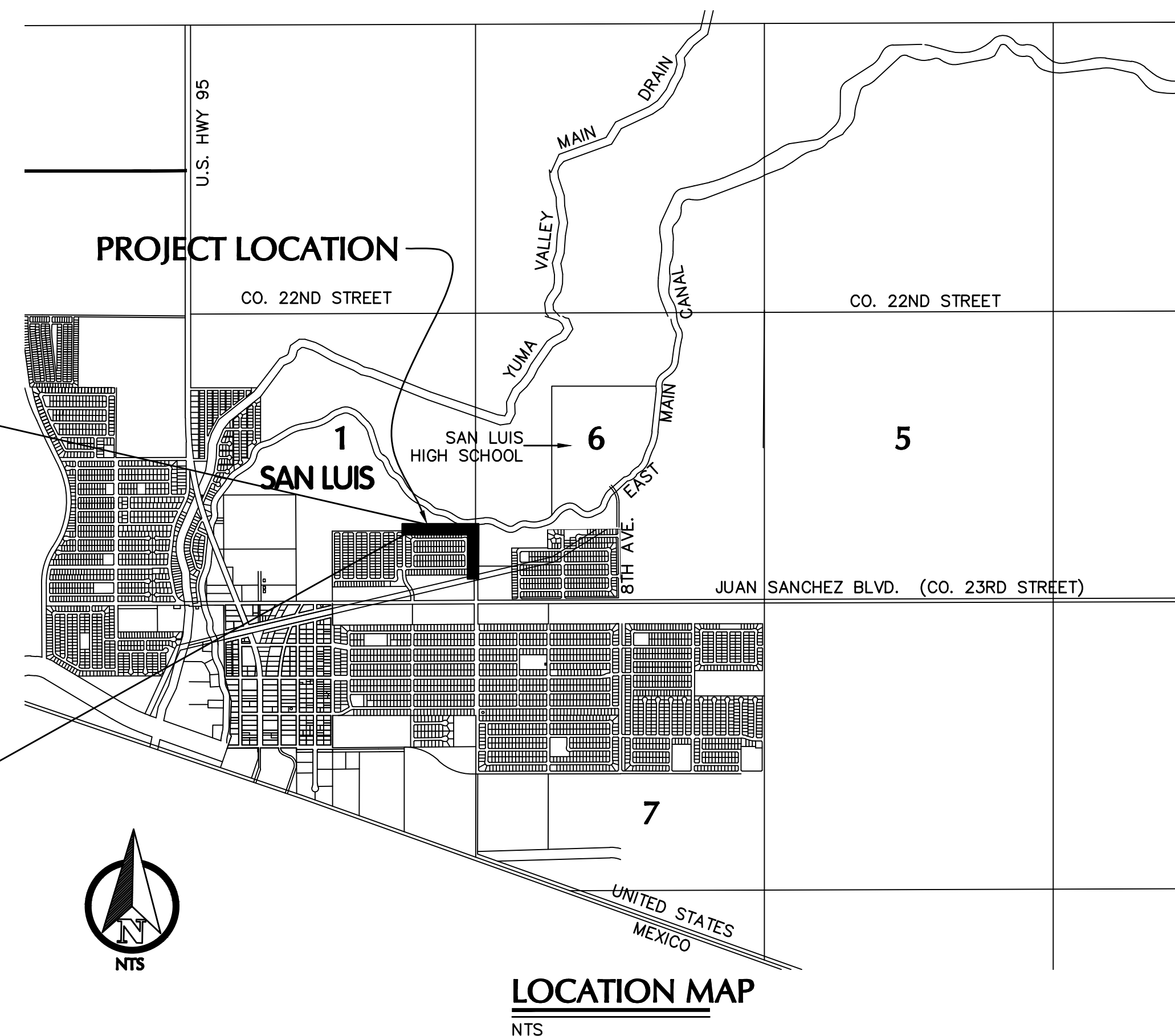
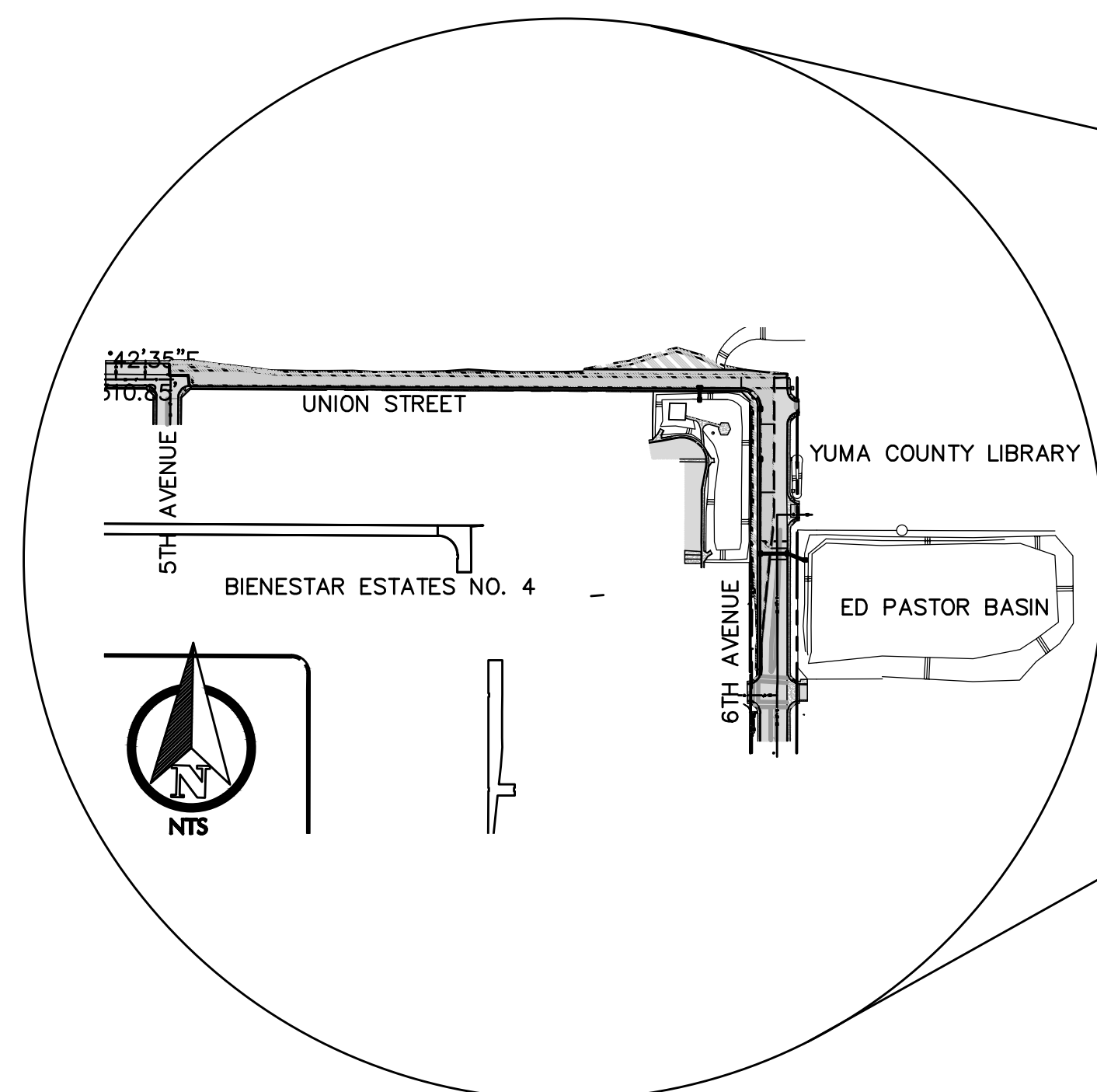
EULOGIO VERA, P.E.

APPROVED BY: _____
CITY MANAGER Date

APPROVED BY: _____
DIRECTOR OF PUBLIC WORKS Date

SHEET INDEX

- TITLE PAGE (PAGE 1 OF 11)
- T-1 UNION STREET TOPOGRAPHIC SURVEY
- T-2 6TH AVENUE TOPOGRAPHIC SURVEY
- T-3 ED PASTOR BASIN TOPOGRAPHIC SURVEY
- C-1 UNION STREET DEMOLITION PLAN
- ⚠ C-2 6TH AVENUE DEMOLITION PLAN - NOT A PART OF BASE BID
- ⚠ C-3 UNION STREET IMPROVEMENTS
- ⚠ C-4 6TH AVENUE IMPROVEMENTS - NOT A PART OF BASE BID
- C-5 UNION ST. & 6TH AVE. SIGNAGE AND STRIPING PLAN
- C-6 DETAILS AND GENERAL NOTES
- C-7 DETAILS



LOCATION MAP
NTS



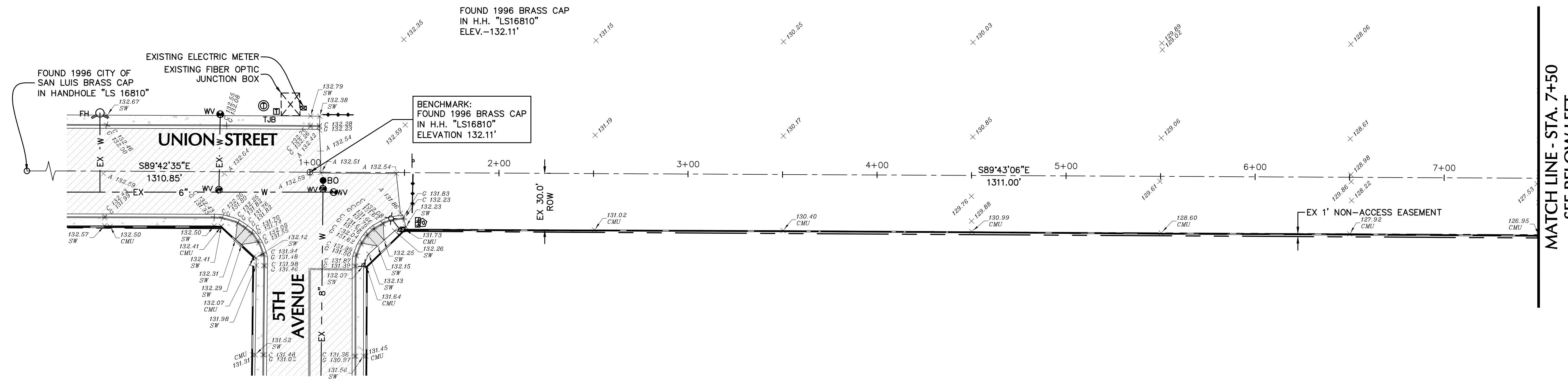
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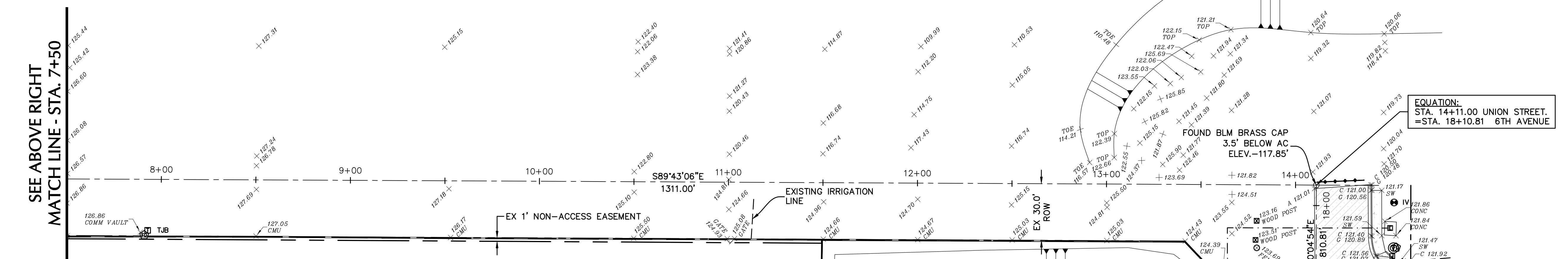
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N:\2017\017-0043\0043\0043 Stamped Union Street Topographic Survey.dwg



MATCH LINE - STA. 7+50
SEE BELOW LEFT



EQUATION:
STA. 14+11.00 UNION STREET.
= STA. 18+10.81 6TH AVENUE

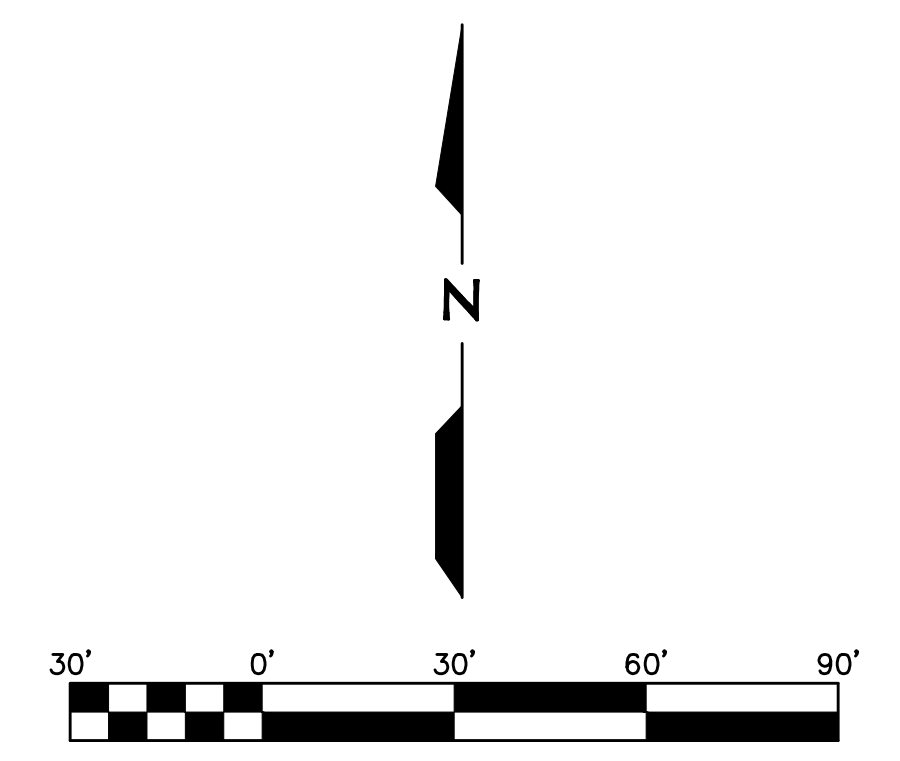
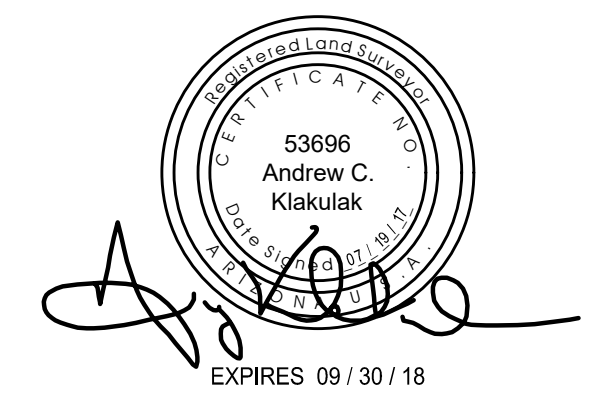
MATCH LINE - STA. 16+75
SEE SHEET T-2

EXISTING LEGEND

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	EXISTING SECTIONAL/CENTER LINE		EXISTING STOP SIGN		EXISTING GROUND ELEVATION
	EXISTING RIGHT OF WAY LINE		EXISTING FIBER OPTIC MARKER		EXISTING ASPHALT ELEVATION
	EXISTING ELECTRIC UNDERGROUND LINE		EXISTING ELECTRIC BOX		EXISTING CURB ELEVATION
	EXISTING SANITARY SEWER LINE		EXISTING LIGHT		EXISTING GUTTER ELEVATION
	EXISTING WATER LINE		EXISTING FIRE HYDRANT		EXISTING CONCRETE ELEVATION
	EXISTING MASONRY WALL		EXISTING WATER BLOW OFF VALVE		EXISTING SIDEWALK ELEVATION
	EXISTING CHAIN LINK FENCE		EXISTING WATER VALVE		EXISTING MASONRY WALL ELEVATION
	EXISTING ASPHALT PAVEMENT		EXISTING IRRIGATION VALVE		EXISTING FLOW LINE ELEVATION
	EXISTING CONCRETE		EXISTING TELEPHONE MANHOLE		EXISTING TOP SLOPE ELEVATION
	EXISTING BARRICADE		EXISTING TELEPHONE JUNCTION BOX		EXISTING BOTTOM SLOPE ELEVATION
	EXISTING METAL POLE		EXISTING JUNCTION BOX		

BASIS OF BEARING
 NORTH LINE OF SW 1/4 OF SE 1/4 SEC. 1
 NAMED N 89° 42' 35" E AS SHOWN ON STATTE PLAT No.17
 RECORDED IN BK 11 OF PLATS PG 86, YUMA COUNTY RECORDER OFFICE.

NOTE:
 IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF UNDERGROUND UTILITIES. CALL 8-1-1 OR CLICK ARIZONA811.COM TO SCHEDULE LOCATES OF CONSTRUCTION AREA UNDERGROUND UTILITIES 72 HOURS PRIOR TO ANY EXCAVATION. THE LOCATION OF UNDERGROUND UTILITIES ILLUSTRATED ON THE PLANS IS APPROXIMATE. ANY OMISSION OR INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED THE DEFINITE LOCATION OR NONEXISTENCE OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR DAMAGED UTILITIES.



CITY OF SAN LUIS

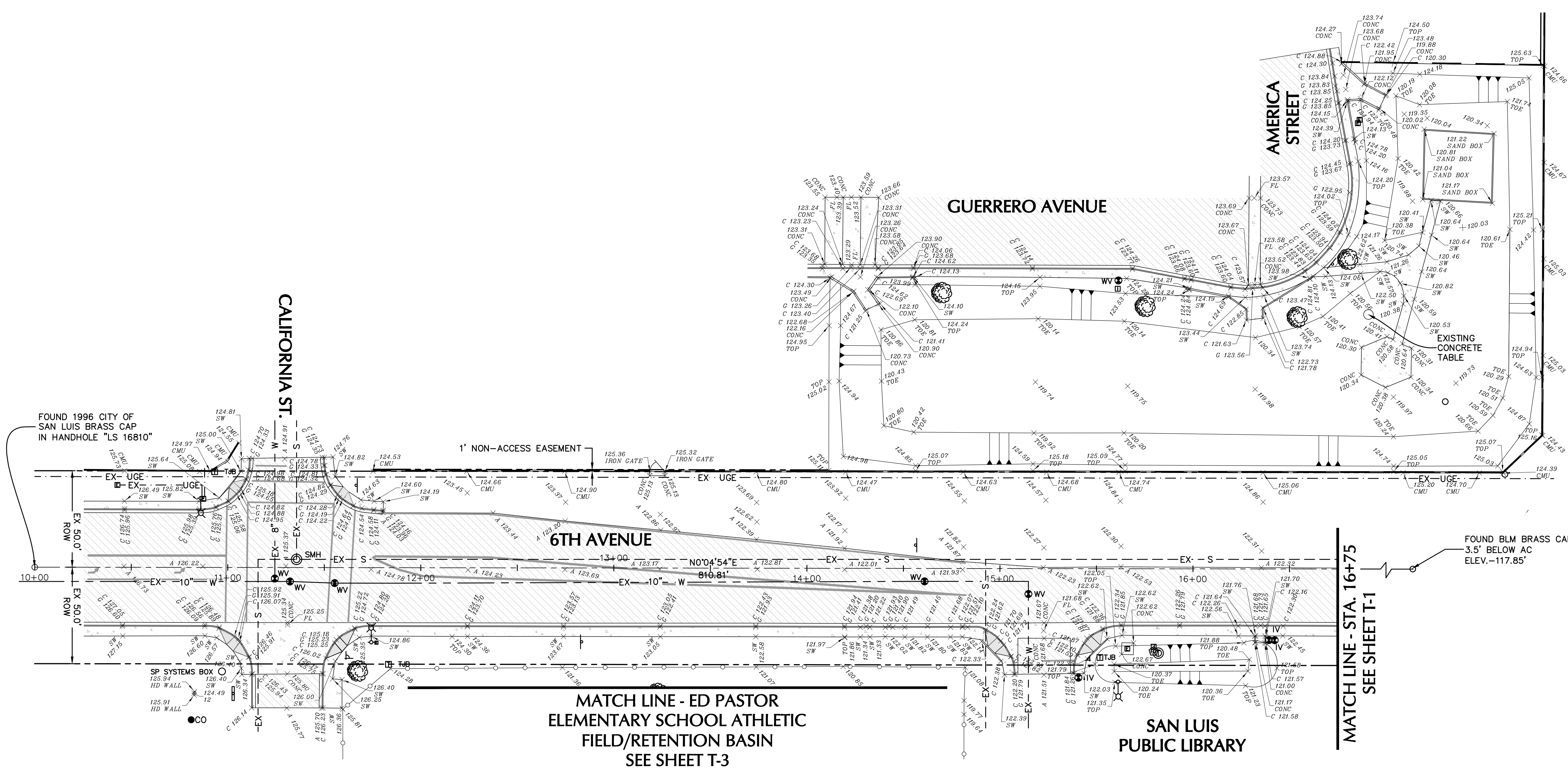
**UNION STREET
TOPOGRAPHIC SURVEY**

SCALE: AS SHOWN
DATE: JULY, 2017
DES. BY: MAC
DRAWN BY: STAFF
SURVEYED BY: JM
JOB. No.: 017-0043
SHEET 1 OF 3

Nicklaus Engineering Inc.
 1851 West 24th Street P.O. Box 6029
 YUMA, ARIZONA 85364 (928)344-8374
 Email: nei@nelaw.com

T-1

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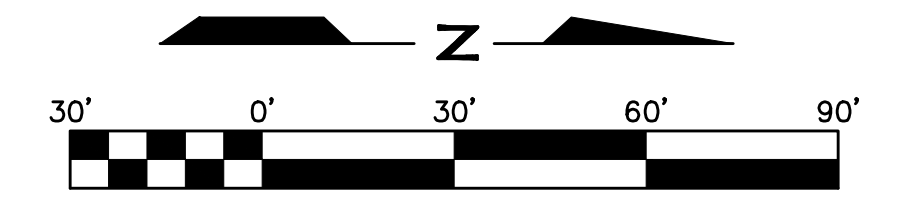
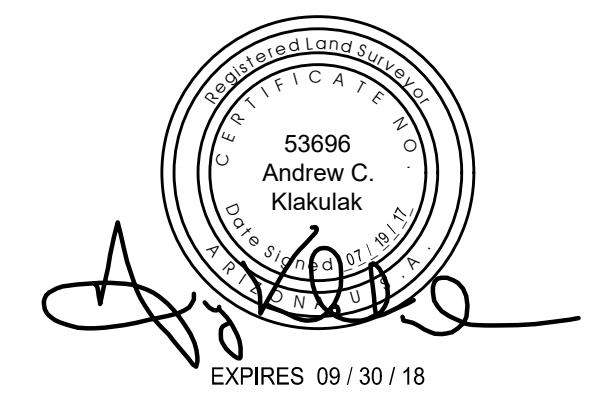
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---	EXISTING RIGHT OF WAY LINE	⊕	EXISTING FIBER OPTIC MARKER	×A 120.00	EXISTING ASPHALT ELEVATION
---	EXISTING ELECTRIC UNDERGROUND LINE	⊕	EXISTING ELECTRIC BOX	×C 120.00	EXISTING CURB ELEVATION
---	EXISTING SANITARY SEWER LINE	⊕	EXISTING LIGHT	×C 120.00	EXISTING GUTTER ELEVATION
---	EXISTING WATER LINE	⊕	EXISTING FIRE HYDRANT	×120.00 CONC	EXISTING CONCRETE ELEVATION
---	EXISTING MASONRY WALL	⊕	EXISTING WATER BLOW OFF VALVE	×120.00 SW	EXISTING SIDEWALK ELEVATION
---	EXISTING CHAIN LINK FENCE	⊕	EXISTING WATER VALVE	×120.00 CMU	EXISTING MASONRY WALL ELEVATION
---	EXISTING ASPHALT PAVEMENT	⊕	EXISTING IRRIGATION VALVE	×120.00 FL	EXISTING FLOW LINE ELEVATION
---	EXISTING CONCRETE	⊕	EXISTING TELEPHONE MANHOLE	×120.00 TOP	EXISTING TOP SLOPE ELEVATION
---	EXISTING BARRICADE	⊕	EXISTING TELEPHONE JUNCTION BOX	×120.00 BOTTOM	EXISTING BOTTOM SLOPE ELEVATION
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CITY OF SAN LUIS

**6TH AVENUE
TOPOGRAPHIC SURVEY**

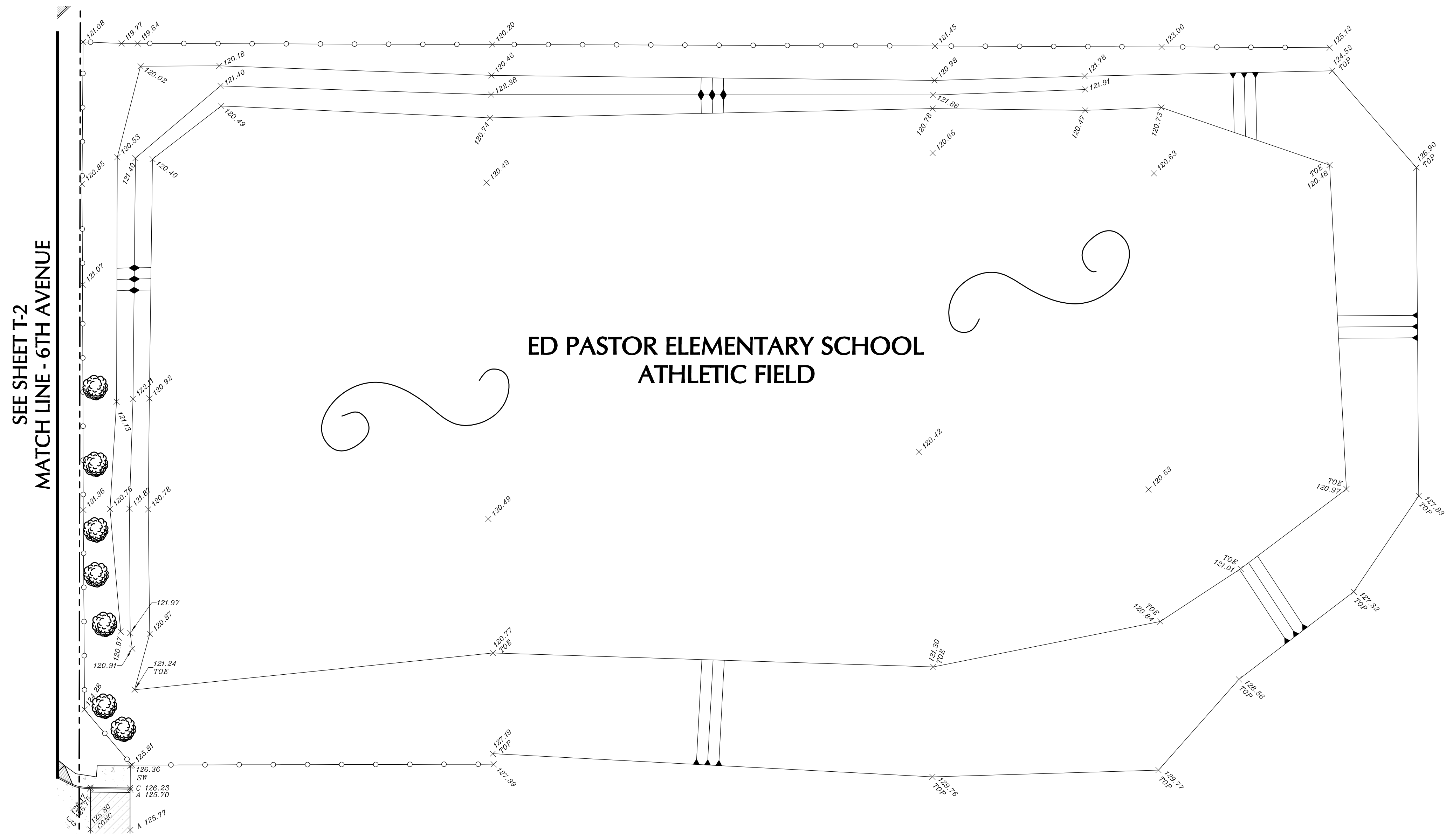
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DES. BY: MAC	DRAWN BY: STAFF
SURVEYED BY: JM	JOB. No.: 017-0043
SHEET 2 OF 3	

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 YUMA, ARIZONA 85364 (928)344-8374
 Email: nei@nelaw.com

T-2

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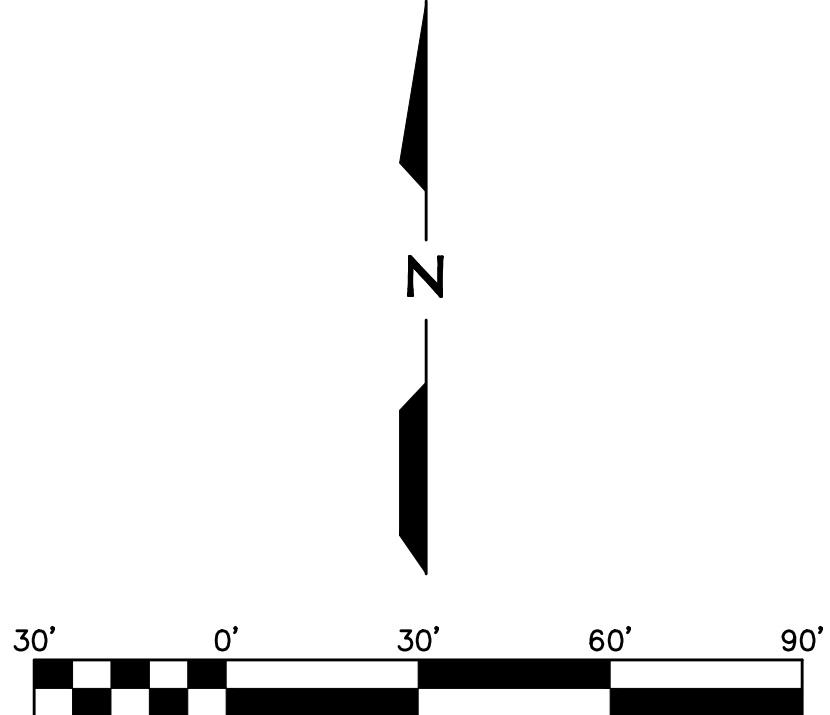
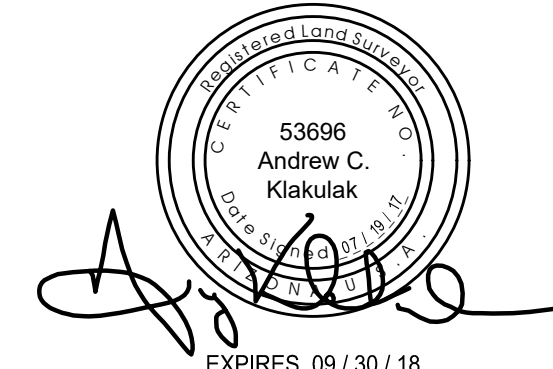
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---	EXISTING RIGHT OF WAY LINE	⊕	EXISTING FIBER OPTIC MARKER	×A 120.00	EXISTING ASPHALT ELEVATION
---	EXISTING ELECTRIC UNDERGROUND LINE	⊕	EXISTING ELECTRIC BOX	×C 120.00	EXISTING CURB ELEVATION
EX - - - S	EXISTING SANITARY SEWER LINE	⊕	EXISTING LIGHT	×G 120.00	EXISTING GUTTER ELEVATION
EX - - - W	EXISTING WATER LINE	⊕	EXISTING FIRE HYDRANT	×120.00	EXISTING CONCRETE ELEVATION
---	EXISTING MASONRY WALL	●BO	EXISTING WATER BLOW OFF VALVE	×120.00	EXISTING SIDEWALK ELEVATION
---	EXISTING CHAIN LINK FENCE	●WV	EXISTING WATER VALVE	×120.00	EXISTING MASONRY WALL ELEVATION
---	EXISTING ASPHALT PAVEMENT	●IV	EXISTING IRRIGATION VALVE	×120.00	EXISTING FLOW LINE ELEVATION
---	EXISTING CONCRETE	⊕	EXISTING TELEPHONE MANHOLE	×120.00	EXISTING TOP SLOPE ELEVATION
---	EXISTING BARRICADE	⊕TJB	EXISTING TELEPHONE JUNCTION BOX	×120.00	EXISTING BOTTOM SLOPE ELEVATION
---	EXISTING METAL POLE	⊕	EXISTING JUNCTION BOX		

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CITY OF SAN LUIS

**ED PASTOR BASIN
TOPOGRAPHIC SURVEY**

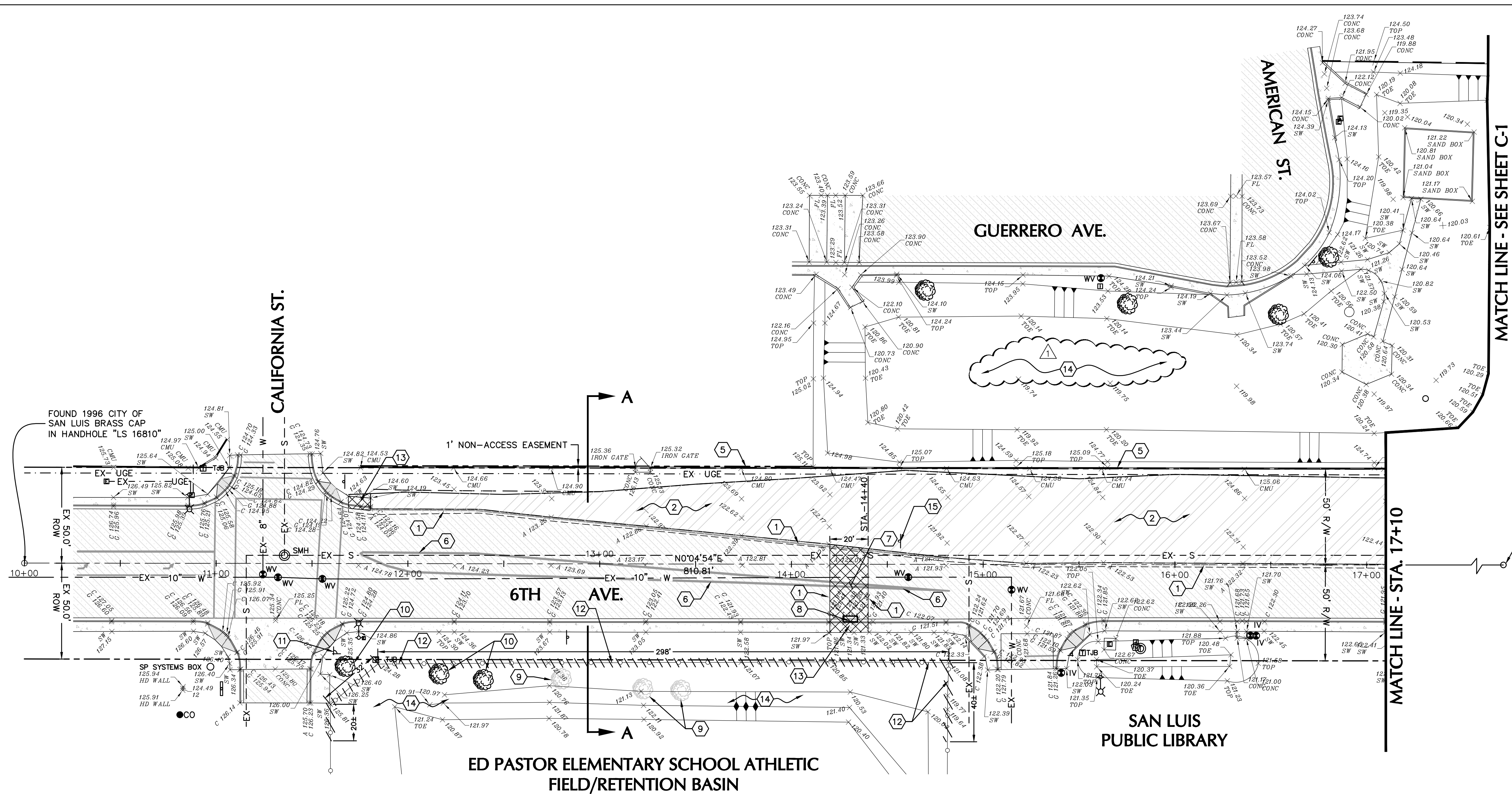
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SURVEYED BY: JM	
JOB. No.: 017-0043	
SHEET 3 OF 3	

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 YUMA, ARIZONA 85364 (928)344-8374
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N:\2017\017-0043 CSL Union Street Parking Survey\017-0043 Stamped Union Street Topographic Survey.dwg

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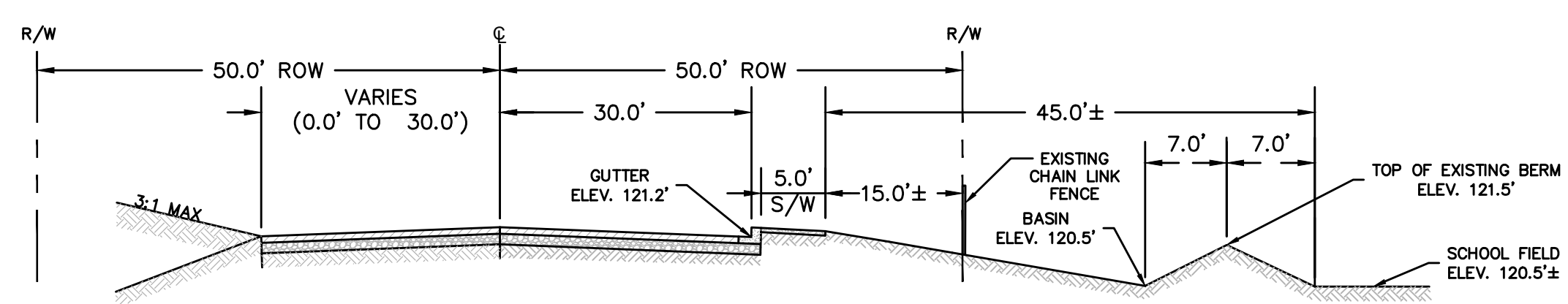
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LEGEND

	FOUND 1/2" REBAR (U.N.O.)
	EXISTING STRIPING
	EXISTING CHAINLINK FENCE
	EXISTING CENTER LINE
	EXISTING RIGHT OF WAY LINE
	SUBDIVISION PROPERTY LINE
	EXISTING WATER LINE
	EXISTING SEWER FORCE MAIN LINE
	AREA TO CLEAR AND GRUB
	EXISTING ASPHALT PAVEMENT
	EXISTING CONCRETE
	EXISTING CMU WALL
	REMOVE EXISTING CMU WALL
	EXISTING WATER VALVE
	EXISTING IRRIGATION VALVE
	EXISTING FIRE HYDRANT
	EXISTING WATER METER
	EXISTING IRRIGATION METER
	EXISTING FIBER OPTIC
	EXISTING BLOW OFF VALVE
	EXISTING SEWER MANHOLE
	EXISTING TEL CO. MANHOLE
	EXISTING ELECTRIC BOX
	EXISTING TELEPHONE JUNCTION BOX
	EXISTING SIGN
	EXISTING LIGHT POLE
	EXISTING TREE
	EXISTING ASPHALT ELEVATION
	EXISTING CURB AND GUTTER ELEVATION
	EXISTING CONCRETE ELEVATION
	EXISTING CMU WALL ELEVATION
	EXISTING GROUND ELEVATION
	EXISTING FLOW LINE ELEVATION
	EXISTING SIDEWALK ELEVATION
	EXISTING TOP ELEVATION
	EXISTING TOE ELEVATION

- ### DEMOLITION SCHEDULE OF WORK
- 2' SAWCUT EXISTING AC PAVEMENT - SEE DETAIL (A-C1)
 - CLEAR AND GRUB PER GEOTECHNICAL INVESTIGATION
 - REMOVE EXISTING CMU WALL (APPROXIMATELY 170 LF)
 - REMOVE EXISTING BARRICADE
 - PROTECT EXISTING CMU WALL TO REMAIN
 - REMOVE EXISTING STRIPING
 - REMOVE EXISTING AC AND ABC FOR PIPE INSTALLATION
 - REMOVE EXISTING CONCRETE FOR CATCH BASIN AND PIPE INSTALLATION
 - REMOVE EXISTING TREE
 - PROTECT EXISTING TREE
 - PROTECT EXISTING SIGN
 - REMOVE EXISTING CHAIN LINK FENCE (390 LF±)
 - REMOVE EXISTING CONCRETE SIDEWALK, CURB & GUTTER
 - EXCAVATE BASIN TO FINAL GRADES SHOWN ON SHEET C-7 BY CITY OF SAN LUIS
 - RELOCATE SIGN



EXISTING 6TH AVE W/BASIN CROSS SECTION A - A
NTS

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THIS SHEET NOT A PART OF BASE BID



REVISÉ 03/20/18 ADDENDUM No.1

CITY OF SAN LUIS
UNION ST. & 6TH AVE. PAVING IMPROVEMENTS PROJECT

6TH AVENUE DEMOLITION PLAN

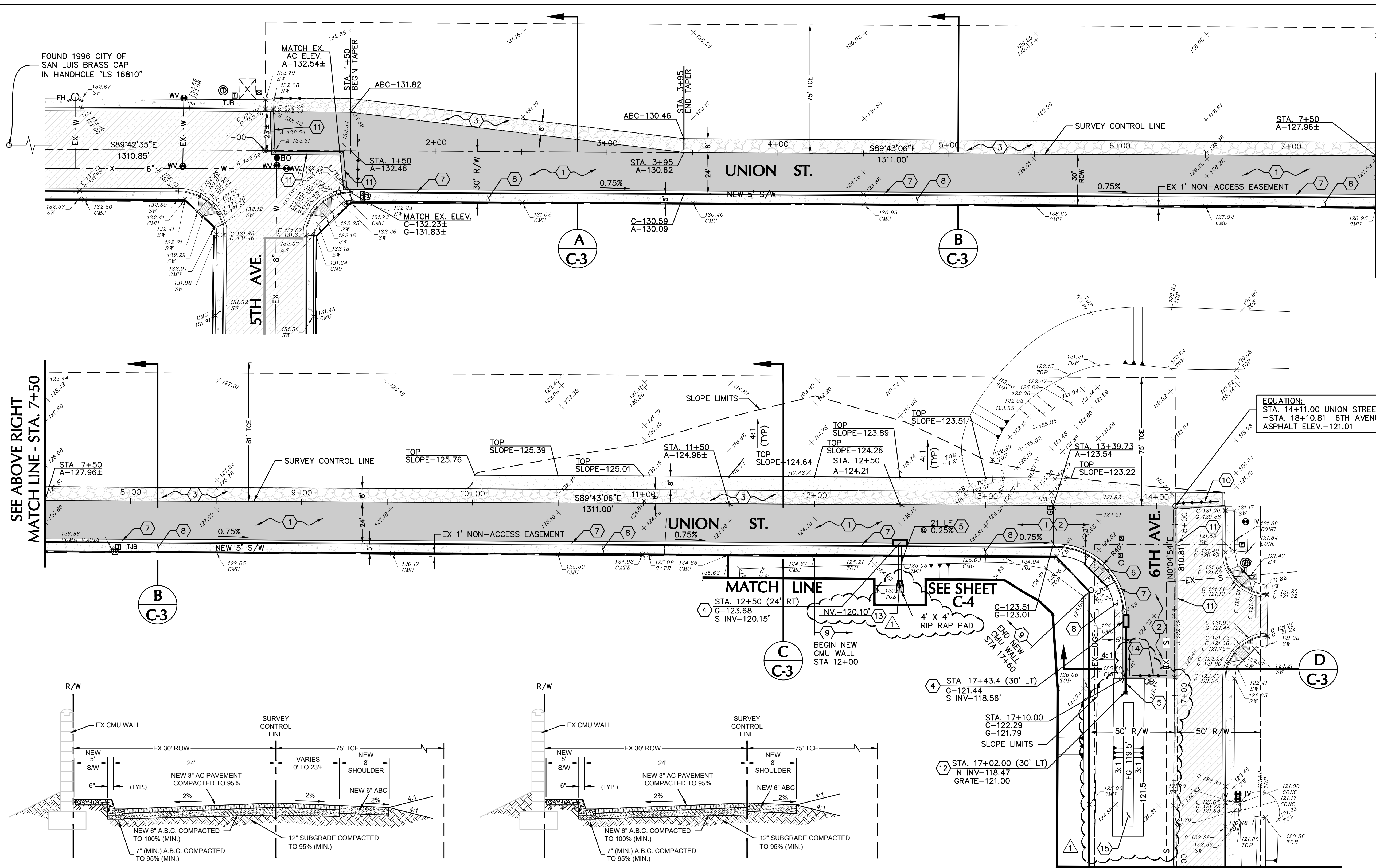
SCALE: AS SHOWN
DATE: MARCH, 2018
DES. BY: MAC
DRAWN BY: CB
SURVEYED BY: JM
JOB. No.: 017-0043
SHEET 6 OF 11

Nicklaus Engineering Inc.
1851 West 24th Street P.O. Box 6029
YUMA, ARIZONA 85364 (928)344-8374
Email: nei@nelaw.com

C-2

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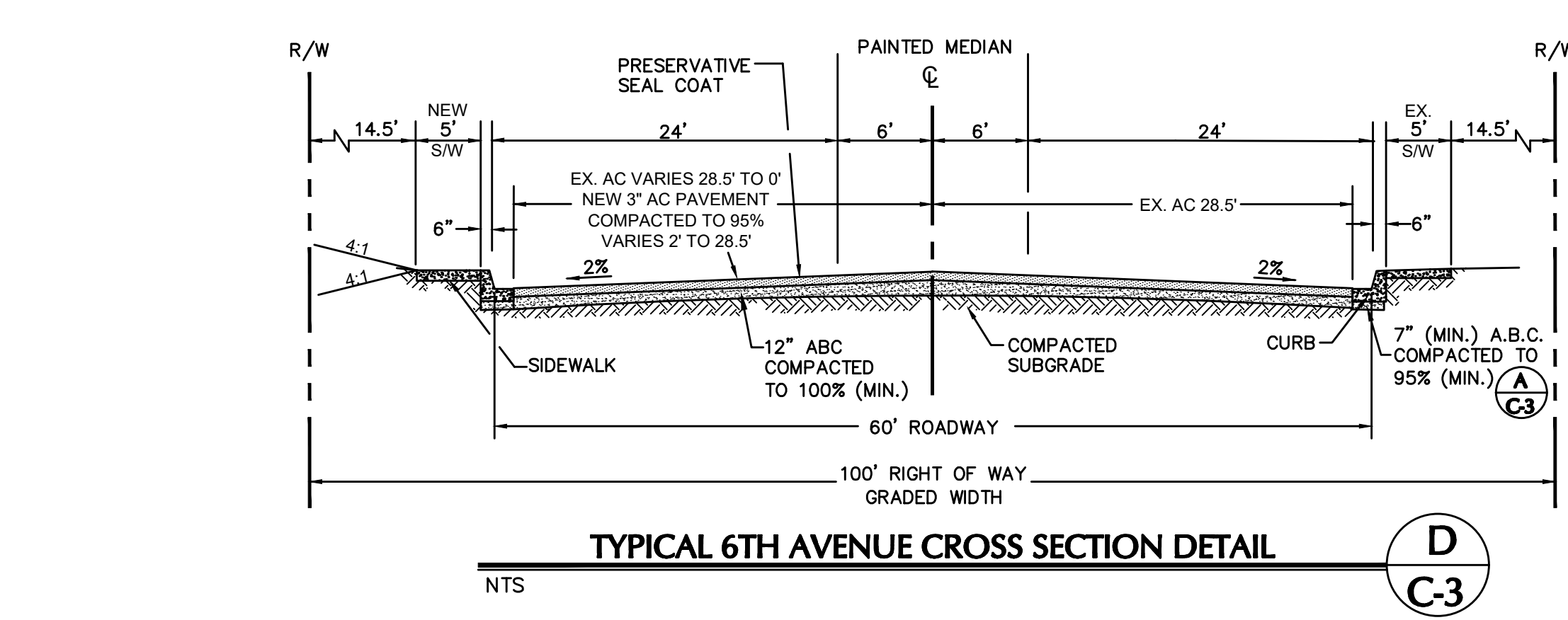
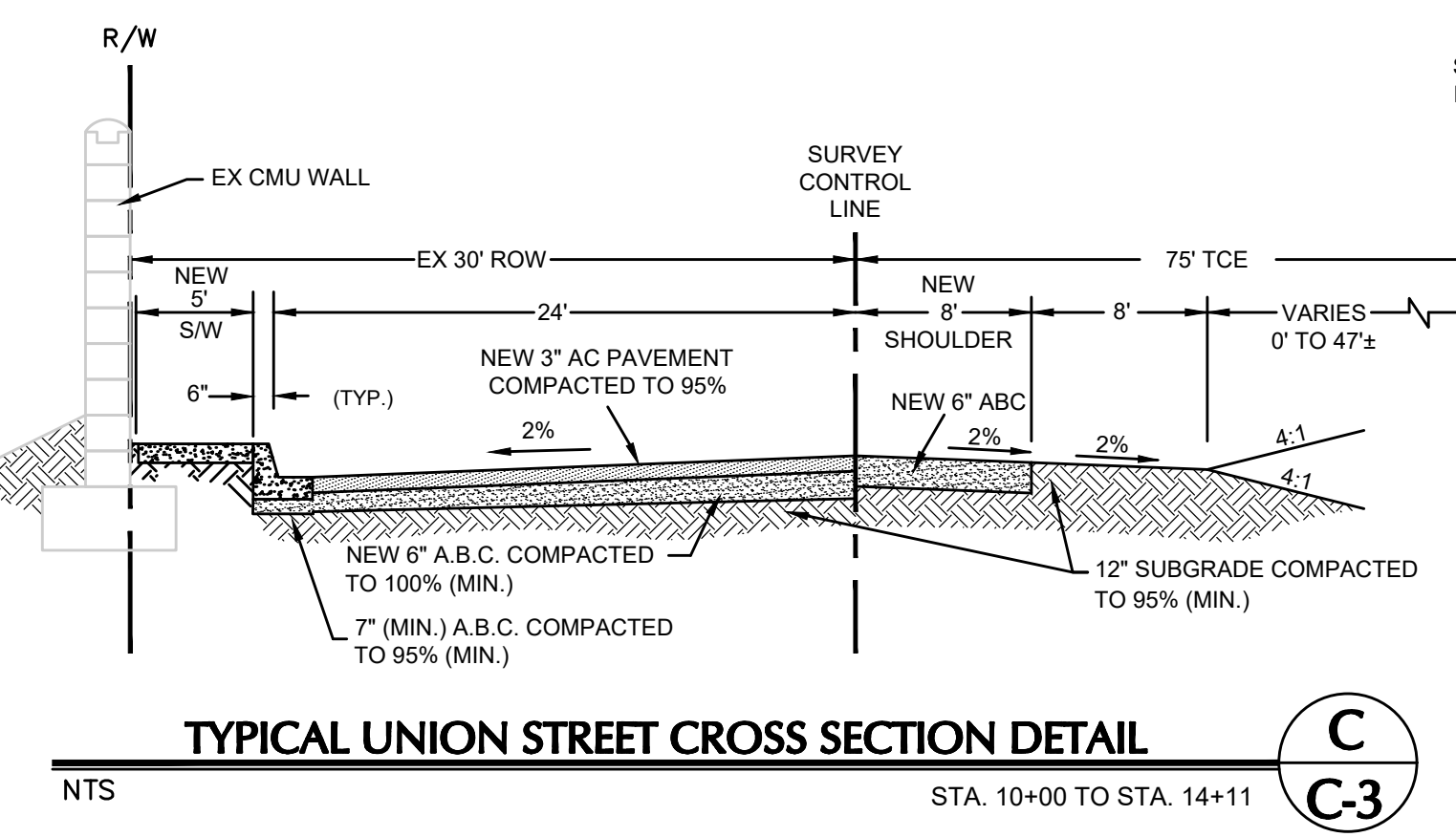
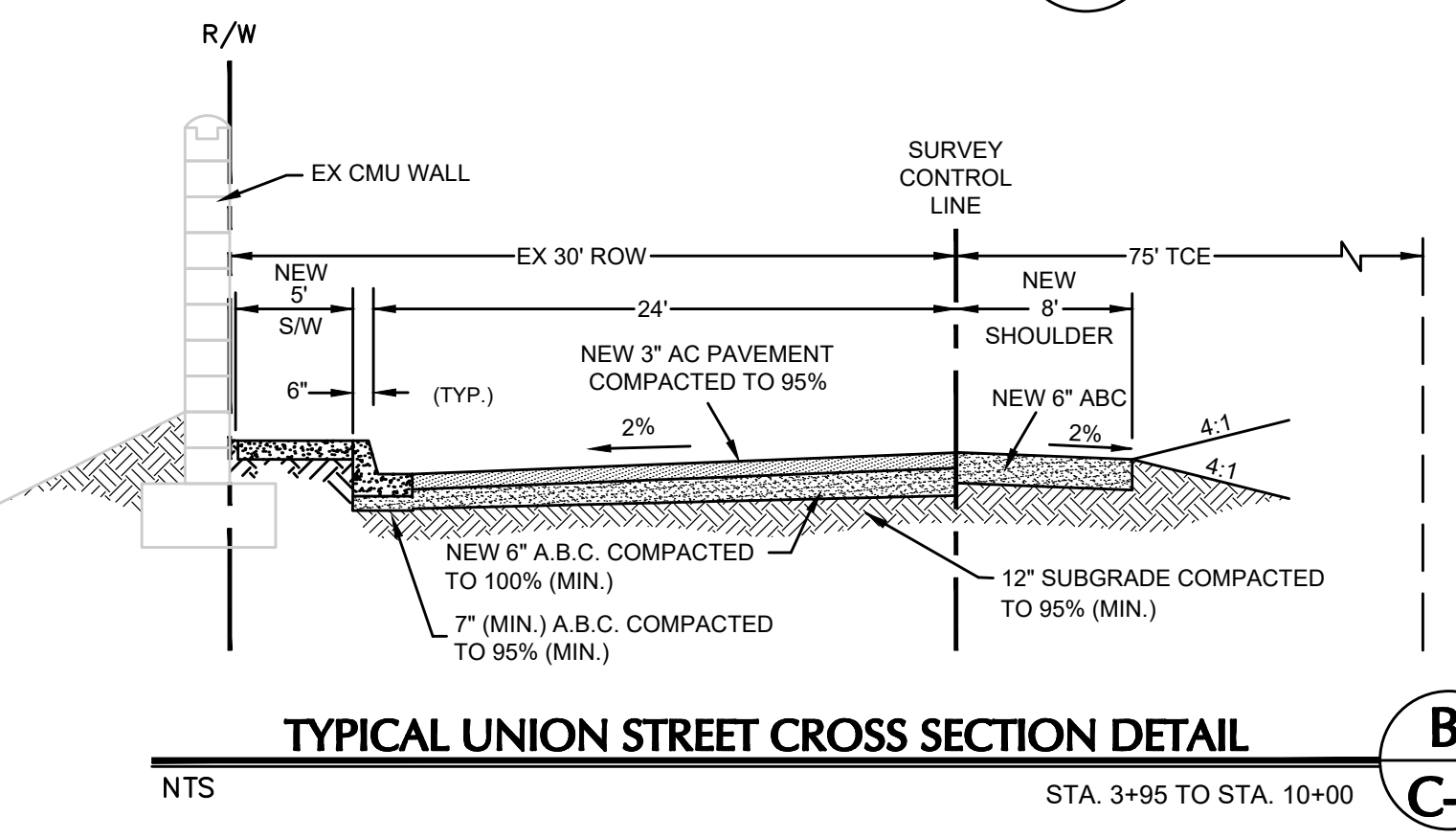
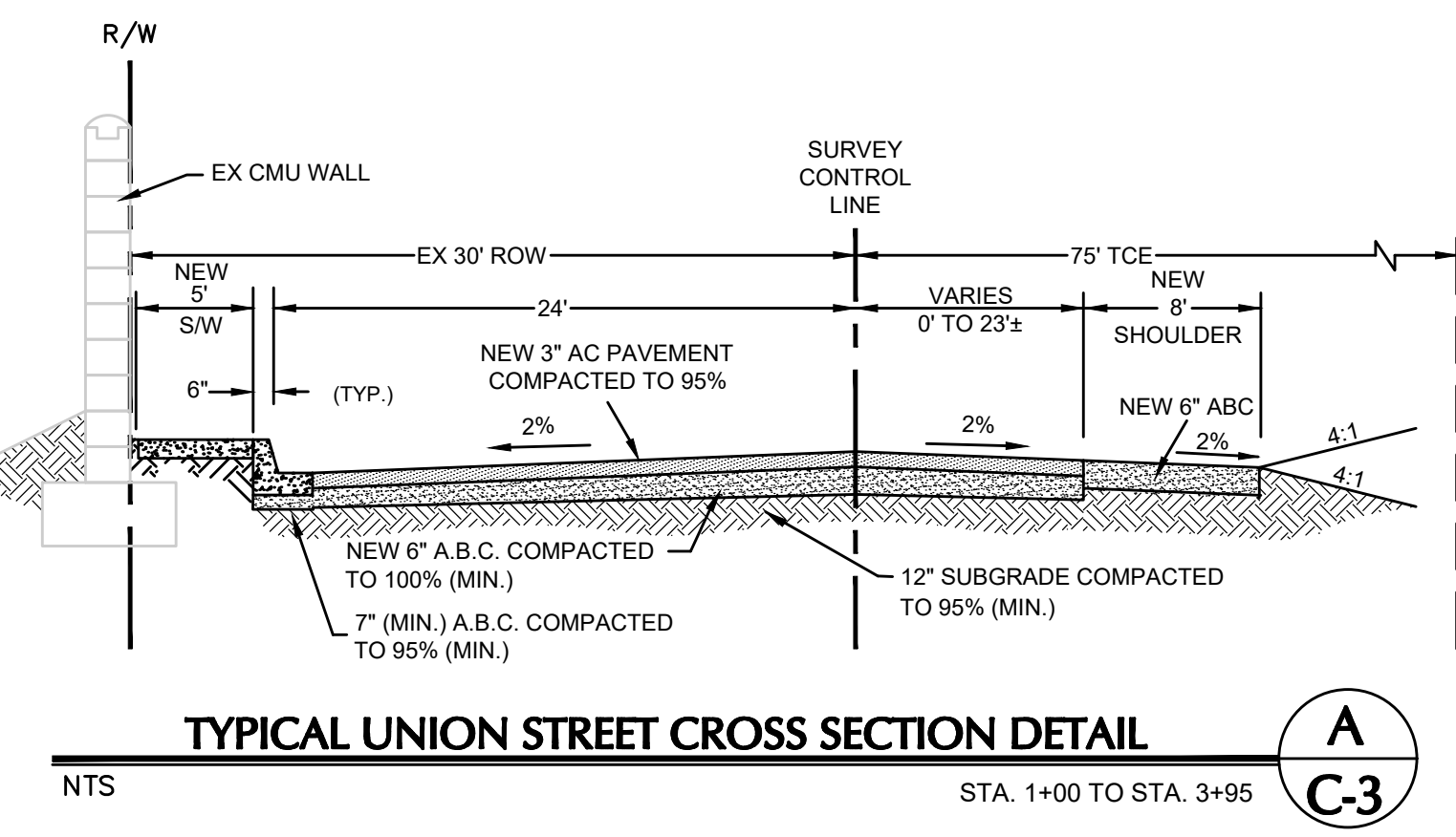
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LEGEND

	FOUND 1/2" REBAR (U.N.O.)
	EXISTING STRIPING
	EXISTING CHAINLINK FENCE
	EXISTING CENTER LINE
	EXISTING RIGHT OF WAY LINE
	SUBDIVISION PROPERTY LINE
	EXISTING WATER LINE
	EXISTING SEWER FORCE MAIN LINE
	NEW SLOPE LIMIT
	NEW ASPHALT PAVEMENT
	NEW ABC SHOULDER
	NEW STRIPING
	NEW SIDEWALK/CURB & GUTTER
	EXISTING ASPHALT PAVEMENT
	EXISTING CONCRETE
	EXISTING CMU WALL
	EXISTING WATER VALVE
	EXISTING IRRIGATION VALVE
	EXISTING FIRE HYDRANT
	EXISTING WATER METER
	EXISTING IRRIGATION METER
	EXISTING FIBER OPTIC
	EXISTING BLOW OFF VALVE
	EXISTING SEWER MANHOLE
	EXISTING TEL. CO. MANHOLE
	EXISTING ELECTRIC BOX
	EXISTING TELEPHONE JUNCTION BOX
	EXISTING SIGN
	EXISTING LIGHT POLE
	EXISTING TREE
	EXISTING ASPHALT ELEVATION
	EXISTING CURB AND GUTTER ELEVATION
	EXISTING CONCRETE ELEVATION
	EXISTING CMU WALL
	EXISTING GROUND ELEVATION
	EXISTING FLOW LINE ELEVATION
	EXISTING SIDEWALK ELEVATION
	EXISTING TOP ELEVATION
	EXISTING TOE ELEVATION
	NEW AC ELEVATION

- ### SCHEDULE OF WORK
- NEW 3" AC PAVEMENT COMPACTED TO MINIMUM 95% OVER NEW 6" ABC COMPACTED TO 100% OVER 12" PREPARED SUBGRADE COMPACTED TO 95% AS PER GEOTECHNICAL REPORT.
 - NEW 3" AC PAVEMENT COMPACTED TO MINIMUM 95% OVER NEW 12" ABC COMPACTED TO 100% OVER 12" PREPARED SUBGRADE COMPACTED TO 95% AS PER GEOTECHNICAL REPORT.
 - NEW 8"x6" ABC SHOULDER COMPACTED TO 95% (ASTM D698)
 - NEW TYPE "E" CATCH BASIN DOUBLE GRATE - SEE DETAIL (A-C-6)
 - NEW 18" Ø HDPE TRENCH & BACKFILL - SEE DETAIL (F-C-7)
 - NEW SIDEWALK RAMP W/DETECTABLE WARNING - SEE DETAIL (B-C-6)
 - NEW VERTICAL CURB AND GUTTER - SEE DETAIL (D-C-6)
 - NEW 5' SIDEWALK - SEE DETAIL (E-C-6)
 - NEW CMU WALL SEE DETAIL (F-C-7)
 - REPLACE EXISTING BARRICADE
 - SAWCUT EXISTING PAVEMENT AND MATCH EXISTING GRADE - SEE DETAIL (A-C-1)
 - NEW 24"x24"x42" DEEP OUTLET STRUCTURE WITH DUCTILE IRON GRATE - JENSEN PRECAST MODEL D1242436 OR APPROVED EQUAL
 - NEW HDPE PIPE END SECTION - SEE DETAIL (E-C-6)
 - RELOCATE BARRICADE FROM WEST END OF UNION ST
 - NEW TEMPORARY RETENTION BASIN



35477
MARISOL A. CANALES
Professional Engineer
No. 12345
EXPIRES 12/31/18

REVISD 03/20/18 ADDENDUM No.1

CITY OF SAN LUIS
UNION ST. & 6TH AVE. PAVING IMPROVEMENTS PROJECT

UNION STREET IMPROVEMENTS

Nicklaus Engineering Inc.
1851 West 24th Street P.O. Box 6029
YUMA, ARIZONA 85364 (928)344-8374
Email: nei@nelaw.com

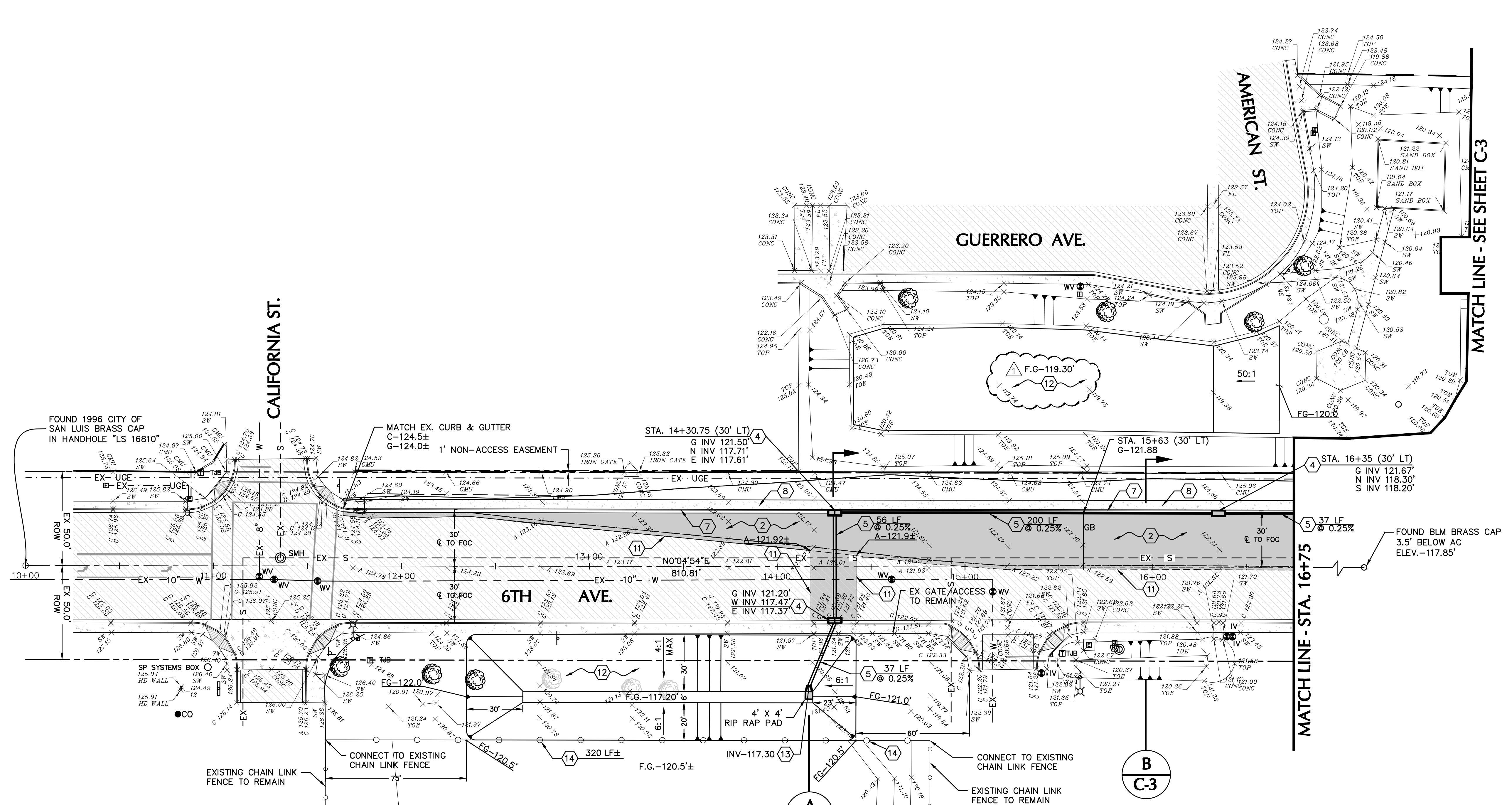
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DATE: MARCH, 2018
DES. BY: MAC
DRAWN BY: C.B.
SURVEYED BY: JM
JOB. No.: 017-0043
SHEET 7 OF 11

C-3

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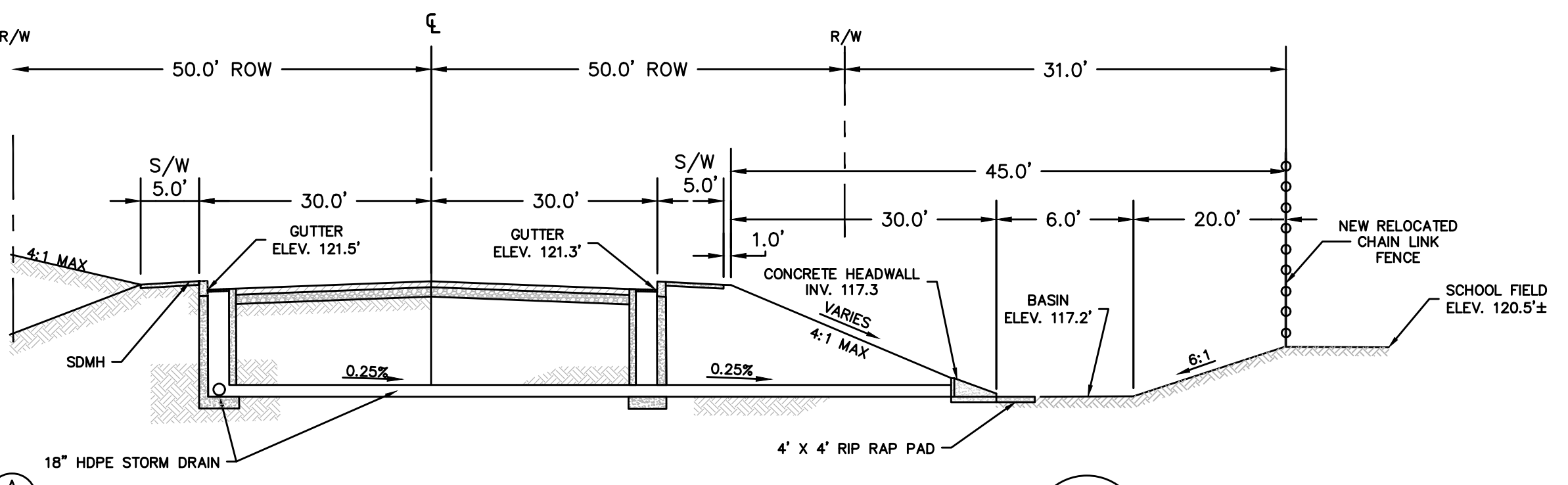
LEGEND

	FOUND 1/2" REBAR (U.N.O.)
	EXISTING STRIPING
	EXISTING CHAINLINK FENCE
	EXISTING CENTER LINE
	EXISTING RIGHT OF WAY LINE
	SUBDIVISION PROPERTY LINE
	EXISTING WATER LINE
	EXISTING SEWER FORCE MAIN LINE
	NEW SLOPE LIMIT
	NEW ASPHALT PAVEMENT
	NEW ABC SHOULDER
	NEW STRIPING
	NEW SIDEWALK/CURB & GUTTER
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	EXISTING CMU WALL
	EXISTING GROUND ELEVATION
	EXISTING FLOW LINE ELEVATION
	EXISTING SIDEWALK ELEVATION
	EXISTING TOP ELEVATION
	EXISTING TOE ELEVATION
	NEW AC ELEVATION



SCHEDULE OF WORK

- 1 NEW 3" AC PAVEMENT COMPACTED TO MINIMUM 95% OVER NEW 6" ABC COMPACTED TO 100% OVER 12" PREPARED SUBGRADE COMPACTED TO 95% AS PER GEOTECHNICAL REPORT.
- 2 NEW 3" AC PAVEMENT COMPACTED TO MINIMUM 95% OVER NEW 12" ABC COMPACTED TO 100% OVER 12" PREPARED SUBGRADE COMPACTED TO 95% AS PER GEOTECHNICAL REPORT.
- 3 NEW 8"x6" ABC SHOULDER COMPACTED TO 95% (ASTM D698)
- 4 NEW TYPE "E" CATCH BASIN DOUBLE GRATE - SEE DETAIL (A-C-6)
- 5 NEW 18" HDPE TRENCH & BACKFILL - SEE DETAIL (F-C-7)
- 6 NEW SIDEWALK RAMP - SEE DETAIL (B-C-5), (C-C-6)
- 7 NEW VERTICAL CURB AND GUTTER- SEE DETAIL (D-C-6)
- 8 NEW 5' SIDEWALK - SEE DETAIL (F-C-6)
- 9 NEW CMU WALL SEE DETAIL (E-C-7)
- 10 REMOVE AND REPLACE EXISTING BARRICADE
- 11 SAWCUT EXISTING PAVEMENT AND MATCH EXISTING GRADE - SEE DETAIL (A-C-1)
- 12 GRADE RETENTION BASIN AT NEW ELEVATION PER PLAN - BY CITY OF SAN LUIS
- 13 NEW HDPE PIPE END SECTION - SEE DETAIL (E-C-5)
- 14 NEW RELOCATED CHAIN LINK FENCE (322 LF±)



CROSS SECTION AT 6TH AVE W/PIPE CROSSING & BASIN

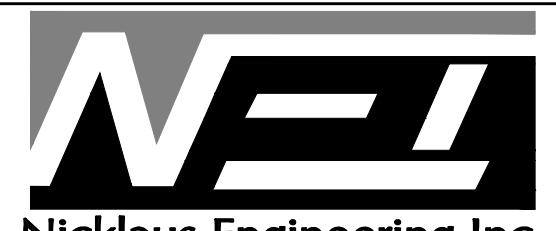
**THIS SHEET
NOT A PART OF
BASE BID**



REVISOR 03/20/18 ADDENDUM No.1

**CITY OF SAN LUIS
UNION ST. & 6TH AVE. PAVING IMPROVEMENTS PROJECT**

6TH AVENUE IMPROVEMENTS



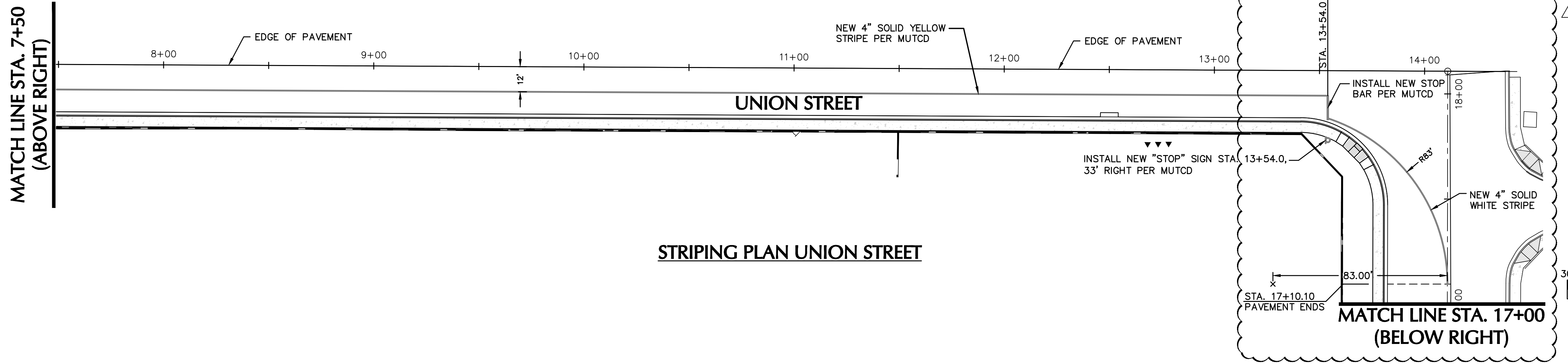
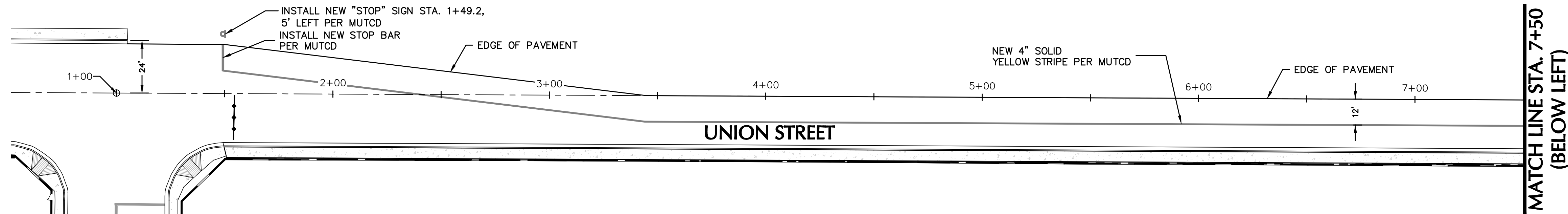
Nicklaus Engineering Inc.
1851 West 24th Street P.O. Box 6029
YUMA, ARIZONA 85364 (928)344-8374
Email: nei@nelaw.com

SCALE: AS SHOWN
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JOB No.: 017-0043
SHEET 8 OF 11

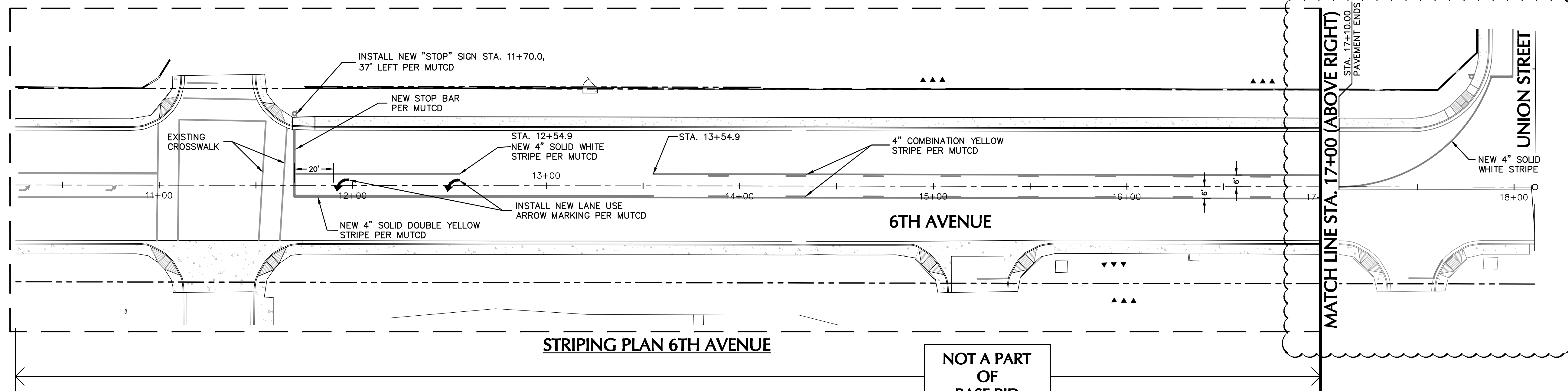
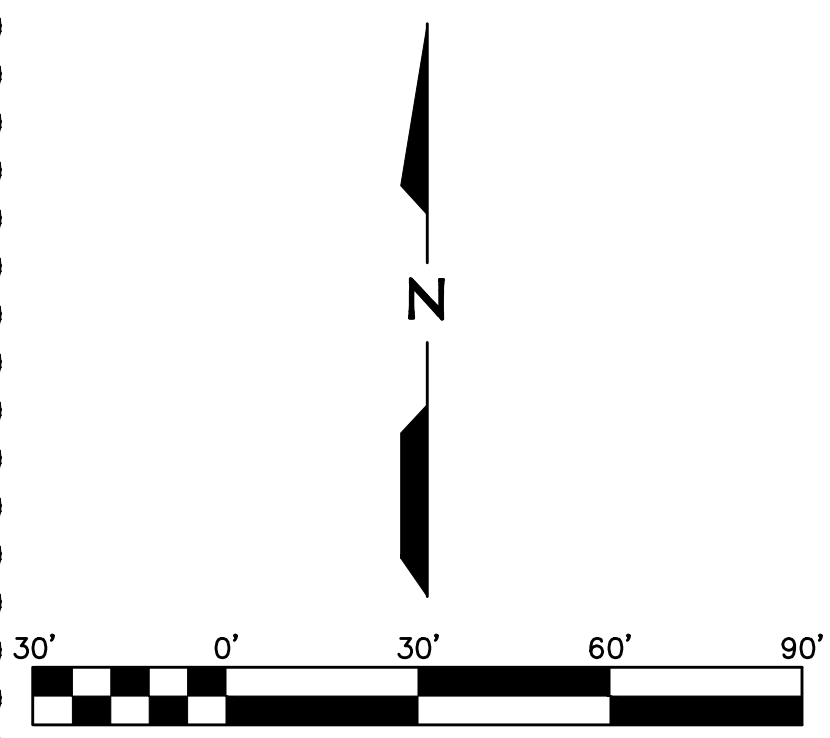
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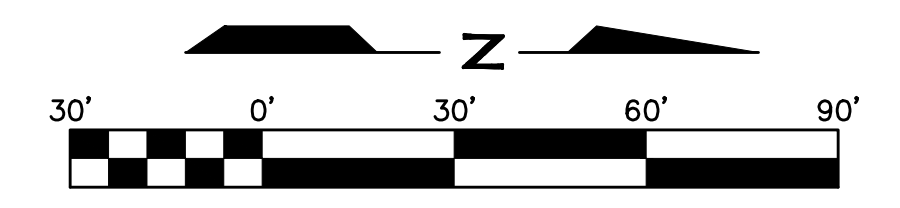


STRIPING PLAN UNION STREET



STRIPING PLAN 6TH AVENUE

NOT A PART OF BASE BID



LEGEND

- EDGE OF ASPHALT PAVEMENT
- CONCRETE SIDEWALK
- CURB & GUTTER
- SURVEY CONTROL LINE
- EXISTING STRIPING
- NEW STRIPE AS NOTED
- NEW "STOP" SIGN

NOTE: SEE **A** **B** **C** & **D**
FOR SIGN AND STRIPING DETAILS



NOTE:

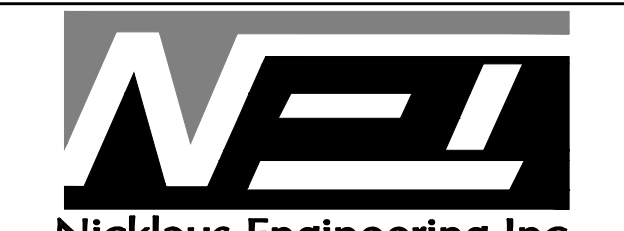
IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF UNDERGROUND UTILITIES. CALL 8-1-1 OR CLICK ARIZONA811.COM TO SCHEDULE LOCATES OF CONSTRUCTION AREA UNDERGROUND UTILITIES 72 HOURS PRIOR TO ANY EXCAVATION. THE LOCATION OF UNDERGROUND UTILITIES ILLUSTRATED ON THE PLANS IS APPROXIMATE. ANY OMISSION OR INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED THE DEFINITE LOCATION OR NONEXISTENCE OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR DAMAGED UTILITIES.



REVISED 03/20/18 ADDENDUM No.1

CITY OF SAN LUIS
UNION ST. & 6TH AVE. PAVING IMPROVEMENTS PROJECT

UNION ST. & 6TH AVE.
SIGNAGE AND STRIPING PLAN



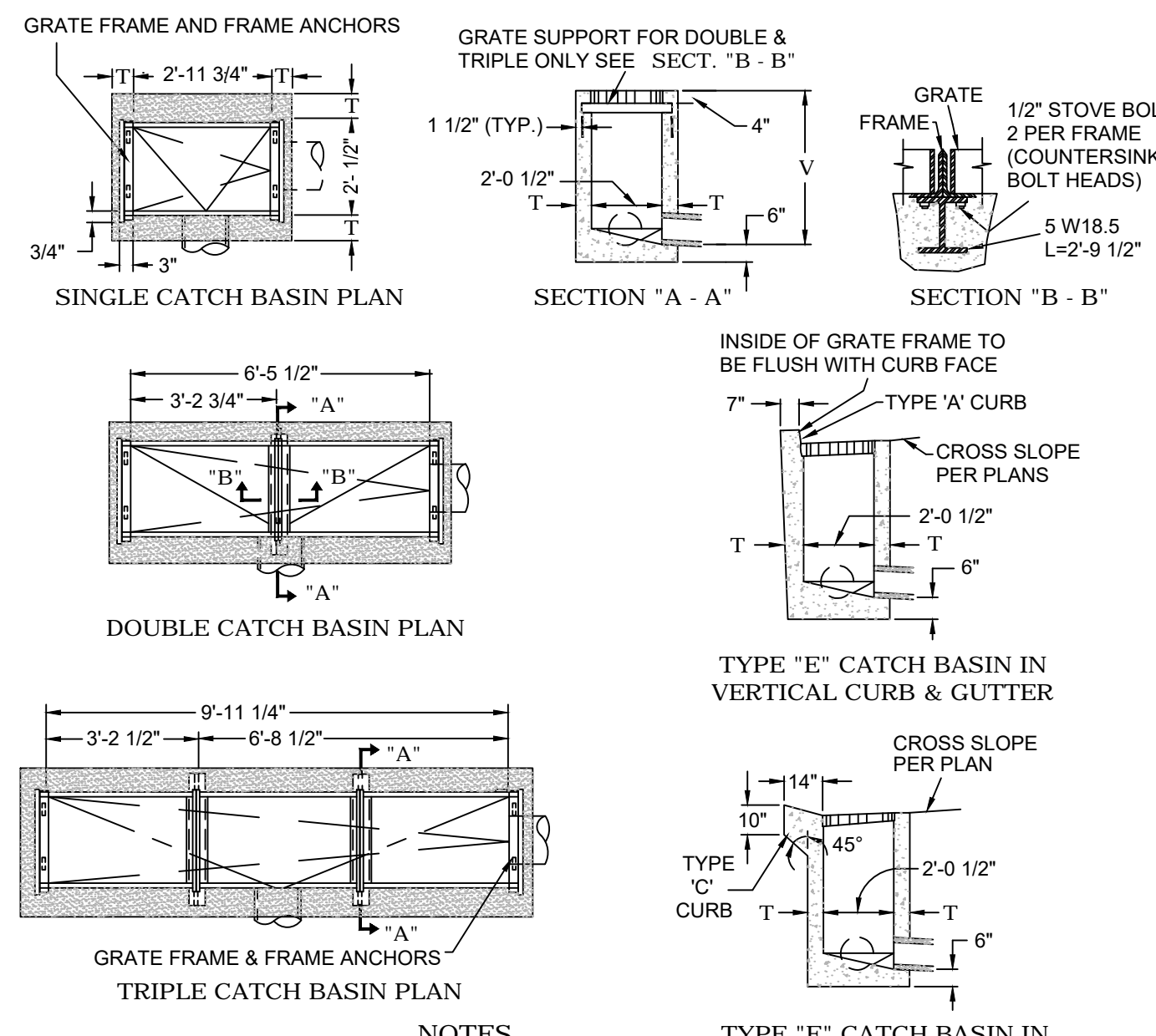
Nicklaus Engineering Inc.
1851 West 24th Street P.O. Box 6029
YUMA, ARIZONA 85364 (928)344-8374
Email: nei@nelaw.com

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DATE: MARCH, 2018
DES. BY: MAC
DRAWN BY: STAFF
SURVEYED BY: JM
JOB. No.: 017-0043
SHEET 9 OF 11

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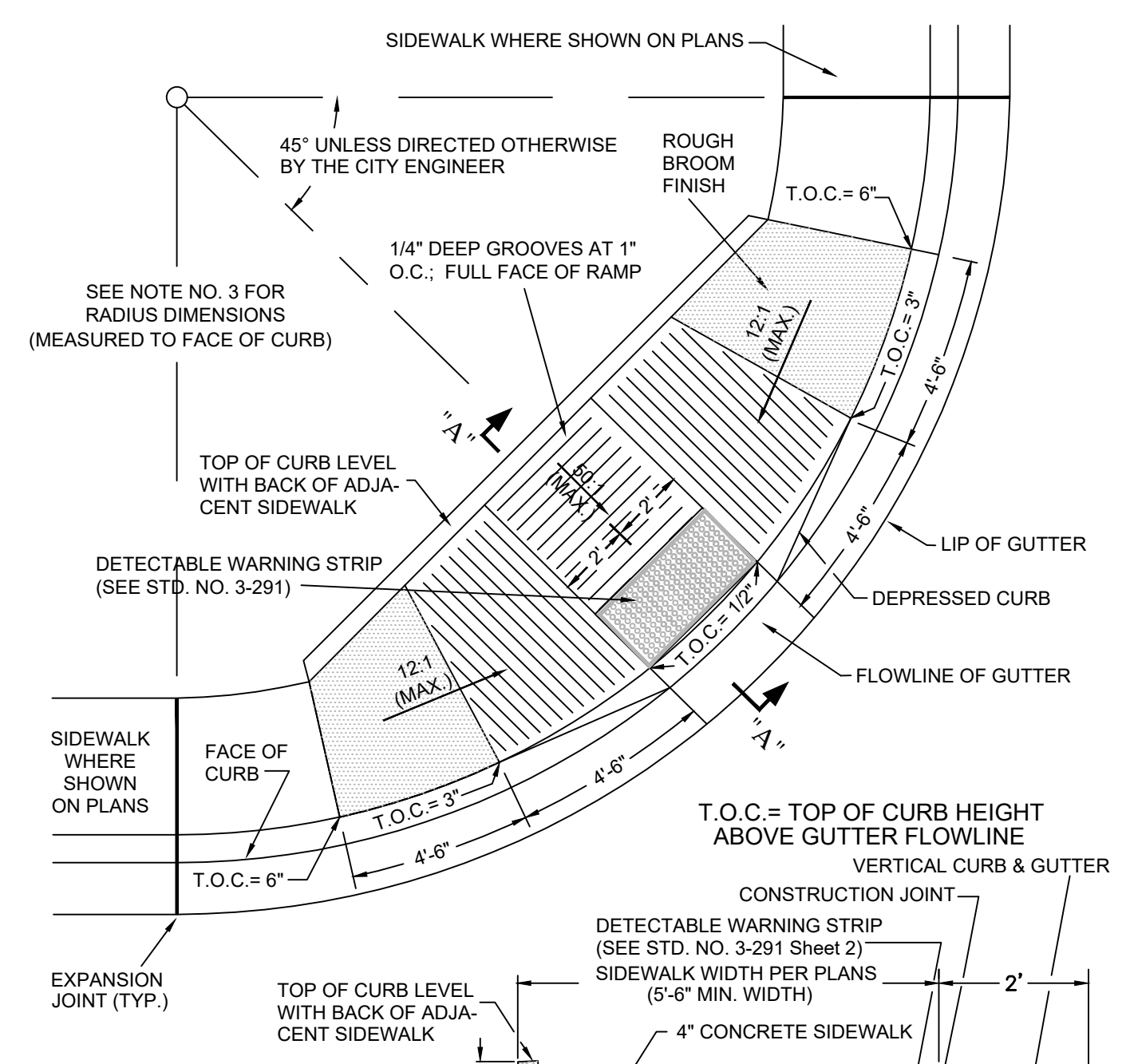


- NOTES**
- ALL CONCRETE SHALL BE CLASS "A".
 - CONNECTOR PIPES MAY BE PLACED IN ANY WALL AS PER PLAN.
 - FLOOR OF BASIN SHALL BE TROWELLED TO A HARD SMOOTH SURFACE AND SHALL SLOPE FROM ALL DIRECTIONS TOWARDS OUTLET PIPE.
 - CONNECTOR PIPE SHALL BE TRIMMED TO FINAL SHAPE AND LENGTH BEFORE CONCRETE IS POURED.
 - PLANS SHOULD SPECIFY GRATE AND INVERT ELEVATIONS.
 - THE TYPE "E" CATCH BASIN MAY BE PREFABRICATED PROVIDING THAT A SHOP DRAWING IS APPROVED BY THE CITY ENGINEER PRIOR TO FABRICATION.
 - THE FRAME AND GRATE SHALL BE NEENAH R-3076, R-3077 OR APPROVED EQUAL.
 - GUTTER SHALL NOT BE DEPRESSED FROM A STRAIGHT LINE GRADE TO CREATE BUMP.
 - CATCH BASINS SHALL CONTAIN #4 REBAR 18" C TO C IN WALLS AND FLOORS.
 - ALL STRUCTURAL STEEL AND CASTINGS SHALL BE PAINTED ONE SHOP COAT AND TWO FIELD COATS OF "INDUSTRON O.S.H.A. SAFETY GREEN" PAINT OR APPROVED EQUAL.

CATCH BASIN WALL THICKNESS
 T = 6" IF V IS 4' OR LESS
 T = 8" IF V IS 4' TO 8' (IF V EXCEEDS 8'
 A SPECIAL DESIGN IS REQUIRED)
 V = 3'-0" UNLESS OTHERWISE NOTED

CITY OF YUMA
 CONSTRUCTION STANDARD DETAIL DRAWINGS
STANDARD NO. 5-260
 TYPE "E" CATCH BASIN
 SINGLE - TRIPLE GRATE

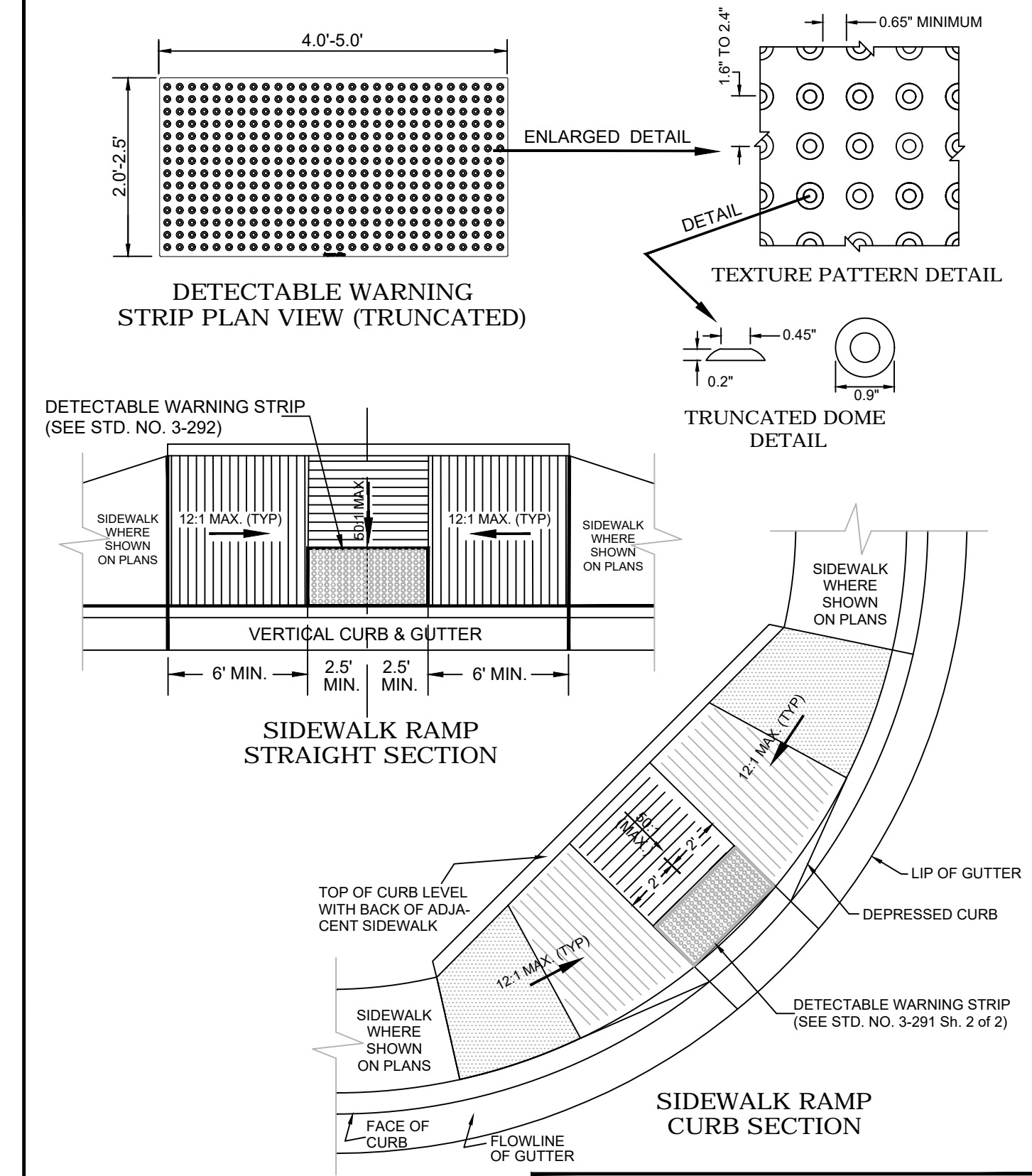
TYPE "E" CATCH BASIN A
 CITY OF YUMA STD. NO. 5-260 NTS C-6



- NOTES**
- FOR COLLECTORS, ARTERIALS AND AREA SERVICE HIGHWAYS PLACE RAMP AT EACH CROSSWALK LOCATION, IN ACCORDANCE WITH A.D.A. REQUIREMENTS.
 - CONSTRUCT WITH CLASS "B" CONCRETE.
 A. LOCAL STREET: 25' MINIMUM
 B. COLLECTOR STREETS: 40' MINIMUM
 C. ARTERIAL STREETS: 50' MINIMUM
 D. SERVICE HIGHWAYS: 50' MINIMUM
 - RADIUS REQUIREMENTS (FACE OF CURB):
 A. LOCAL STREET: 25' MINIMUM
 B. COLLECTOR STREETS: 40' MINIMUM
 C. ARTERIAL STREETS: 50' MINIMUM
 D. SERVICE HIGHWAYS: 50' MINIMUM
 - EXPANSION JOINTS SHALL BE LOCATED AT TANGENT POINTS IN CURB RETURNS, AT STRUCTURES AND AT A MAXIMUM 20 FOOT INTERVAL. THE ONE-HALF INCH JOINT FILLER SHALL BE THE BITUMINOUS TYPE MEETING A.A.S.H.T.O. M-33 OR THE A.S.T.M. D-1751 SPECIFICATIONS AND SHALL EXTEND THE FULL DEPTH OF THE CONCRETE.
 - BACK OF CURB AND GUTTER SHALL BE DEPRESSED (NO LIP)

CITY OF YUMA
 CONSTRUCTION STANDARD DETAIL DRAWINGS
STANDARD NO. 3-280
 SIDEWALK RAMP

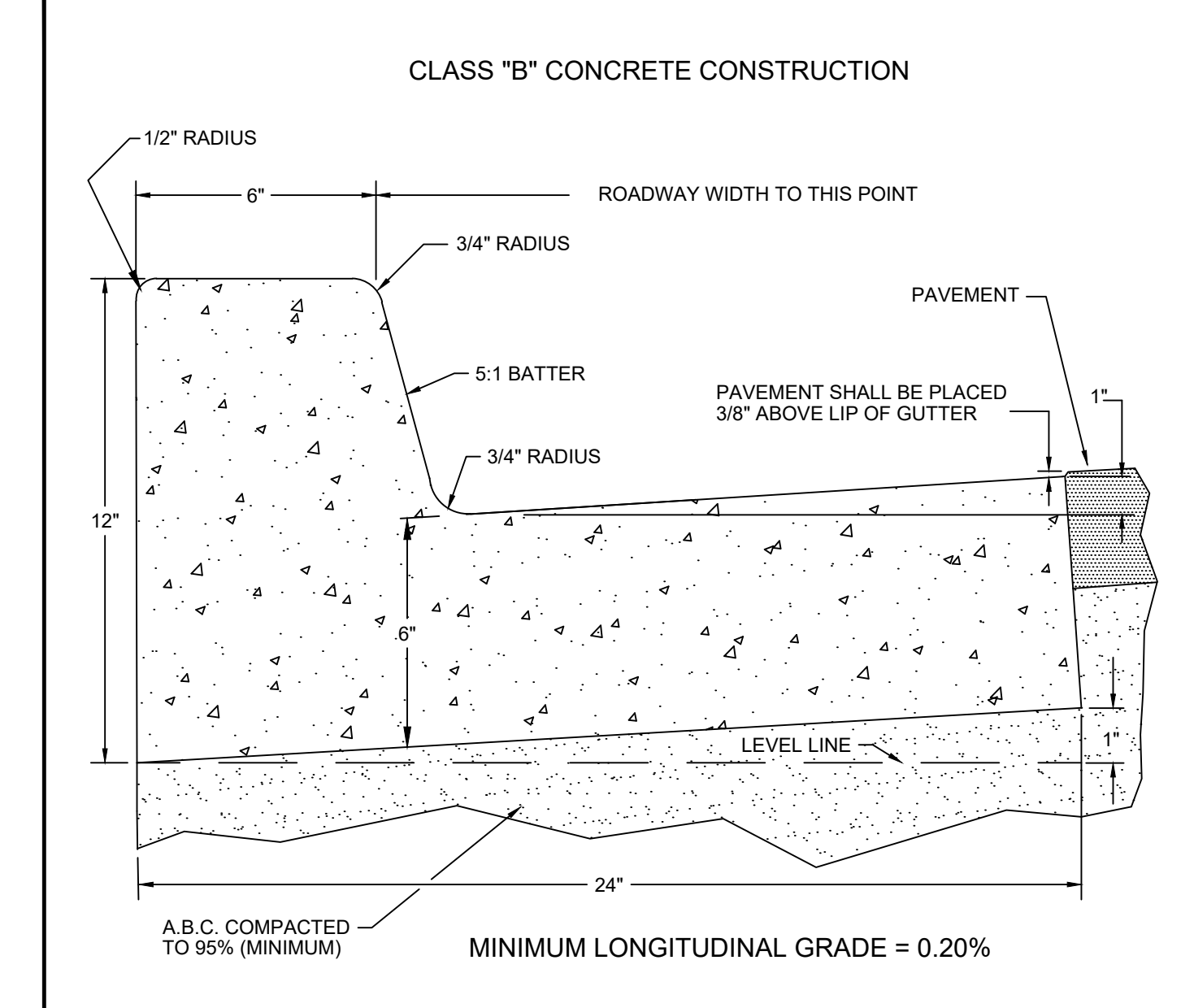
SIDEWALK RAMP B
 CITY OF YUMA STD. NO. 3-280 NTS C-6



- NOTES:**
- SEE STD. DETAIL NO. 3-291 Sh. 2 of 2 FOR ADDITIONAL DETAILS ON DETECTABLE WARNING STRIP

CITY OF YUMA
 CONSTRUCTION STANDARD DETAIL DRAWINGS
STANDARD NO. 3-291
 SIDEWALK RAMP
 DETECTABLE WARNING STRIP

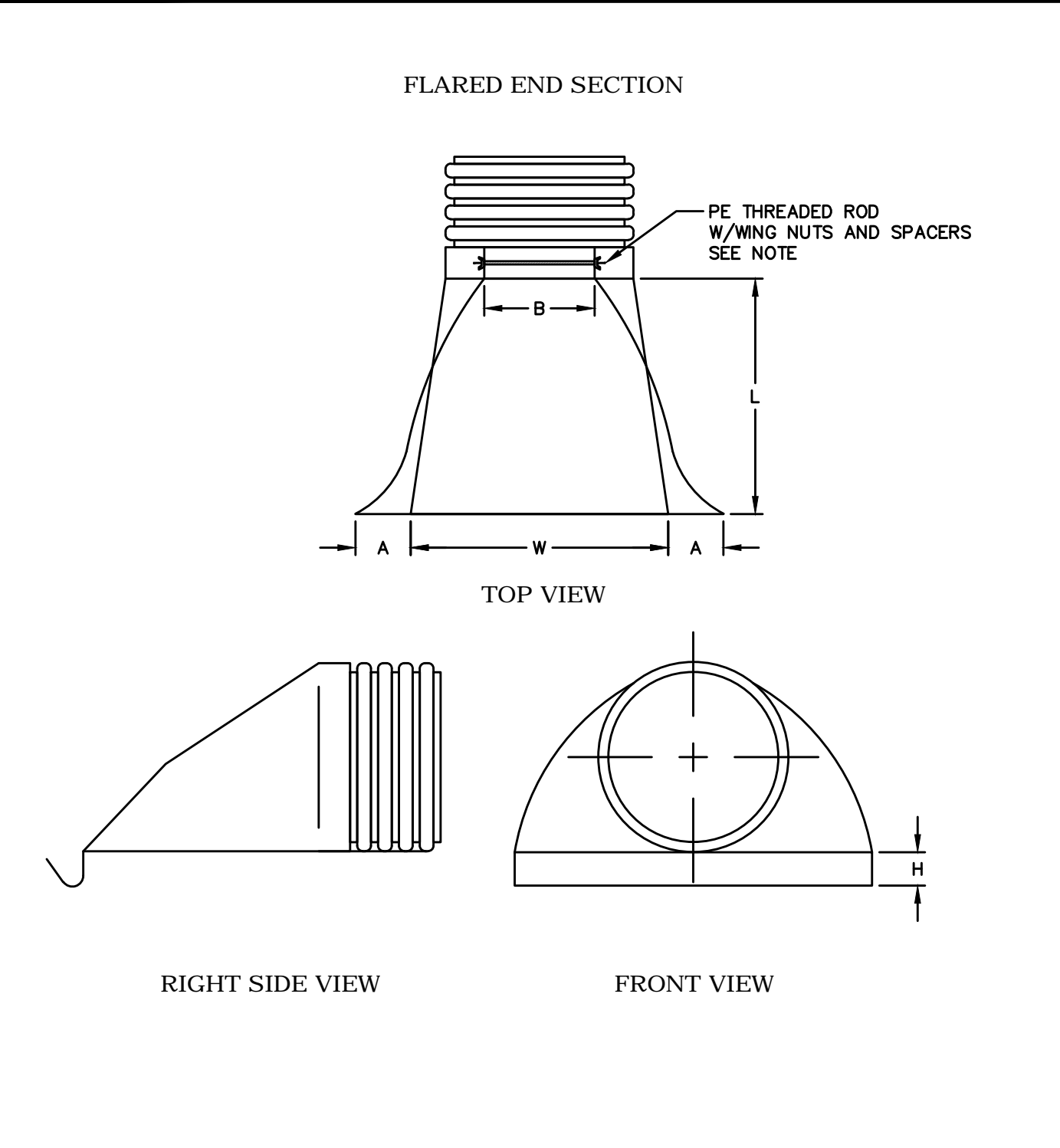
SIDEWALK RAMP DETECTABLE WARNING STRIP C
 CITY OF YUMA STD. NO. 3-291 NTS C-6



- NOTES**
- Vertical curb & gutter may be constructed by the use of forms or the concrete may be machine extruded.
 - When the pavement slopes away from the gutter, the slope of the gutter will match the pavement's cross slope. Gutter depression and 3/8" pavement above lip of gutter will not be needed.
 - Contraction joint spacing shall be either hand tooled and/or saw cut and shall be placed no further than ten feet (10') apart. Contraction joint shall have a minimum depth of two inches (2").
 - Expansion joints shall be located at tangent points, in curb returns, at structures and at a maximum of twenty foot (20') intervals. The one-half inch (1/2") joint filler material shall be the bituminous type meeting the A.A.S.H.T.O. M-33 or the A.S.T.M. D-1751 specifications and shall extend the full depth of the concrete.
 - Curb & gutter shall be finished with steel trowel followed by a longitudinal brush broom finish. All exposed edges and hand tooled joints shall have a one-quarter inch (1/4") radius unless a larger radius is called for in the construction plans.
 - City of Yuma vertical curb & gutter shall be used on all city streets unless otherwise approved by the City Engineer.
 - Additional information regarding joint construction can be seen in Standard Detail 3-270.

CITY OF YUMA
 CONSTRUCTION STANDARD DETAIL DRAWINGS
STANDARD NO. 3-120
 VERTICAL CURB AND GUTTER

VERTICAL CURB AND GUTTER D
 CITY OF YUMA STD. NO. 3-120 NTS C-6



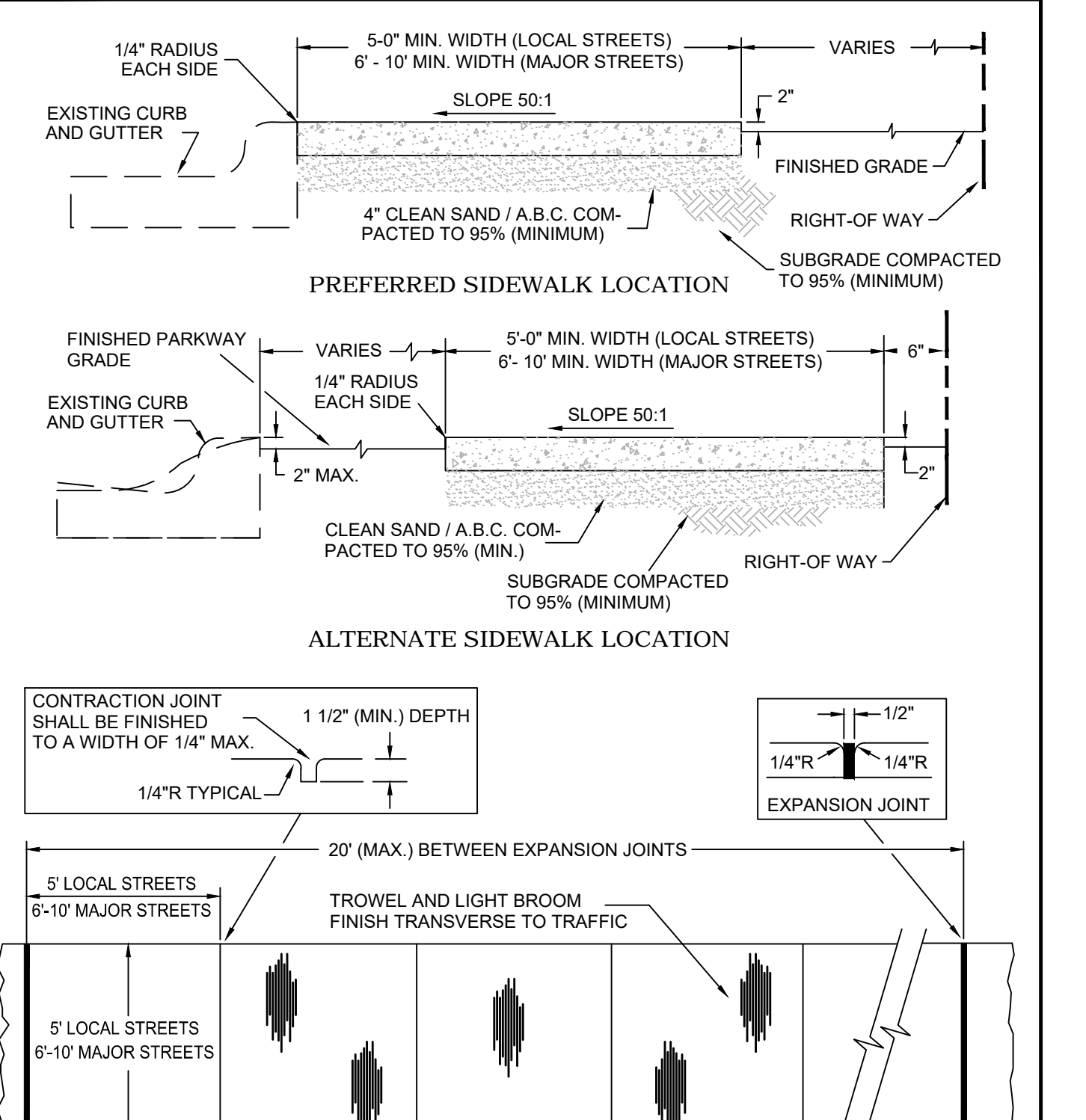
CATCH BASIN WALL THICKNESS

PART #	PIPE SIZE	A	B (MAX)	H	L	W
1810NP	18 in (450 mm)	7.5 in (191 mm)	15.0 in (381 mm)	6.5 in (165 mm)	32.0 in (813 mm)	35.0 in (889 mm)

NOTES

- Flared End Section by ADS or approved equal
- Provide 18" Galvanized steel trash guard (ADS product code 1890DA or approved equal)

HDPE PIPE END SECTION E
 CITY OF YUMA STD. NO. 3-270 NTS C-6



- NOTES**
- Expansion joints shall be located at tangent points, in curb returns, at structures and placed at 20' intervals (maximum). The one-half inch (1/2") joint filler shall be the bituminous type meeting A.A.S.H.T.O. D-1751 specifications and shall extend the full depth of the concrete.
 - Expansion joint material shall be placed between curb & gutter and sidewalk when the back of the sidewalk abuts concrete driveways, other concrete paving or structures.

CITY OF YUMA
 CONSTRUCTION STANDARD DETAIL DRAWINGS
STANDARD NO. 3-270
 SIDEWALKS

SIDEWALKS F
 CITY OF YUMA STD. NO. 3-270 NTS C-6

GENERAL NOTES

- UTILITIES**
 IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ARIZONA 811 DIAL 8-1-1 OR 1-800-STAKE-IT FOR A LOCATE OF CONSTRUCTION AREA UNDERGROUND UTILITIES. CONTRACTOR SHALL ALLOW 72 HOURS BEFORE ANY EXCAVATION BEGINS, OMISSION FROM, OR THE INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NONEXISTENCE OF, OR A DEFINITE LOCATION OF, EXISTING UNDERGROUND UTILITIES. THE LOCATION OF UNDERGROUND UTILITIES ILLUSTRATED ON THE PLANS IS APPROXIMATE. THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR DAMAGED UTILITIES.
- AS-BUILT DRAWINGS**
 THE CONTRACTOR SHALL MAINTAIN ONE CLEAN SET OF PROJECT PLANS ON THE JOB SITE AND SHALL RECORD IN RED COLORED PENCIL ALL CASES WHERE ACTUAL FIELD CONSTRUCTION DIFFERS FROM WORK SHOWN ON THE PLANS. ALL CONCEALED WORK AND UTILITY LOCATIONS SHALL BE DIMENSIONED AND REFERENCED. THE MARKED-UP SET OF DRAWINGS SHALL BE DELIVERED TO THE CITY OF SAN LUIS UPON COMPLETION OF THE WORK WHICH SHALL REFLECT "AS-BUILT" MODIFICATIONS.
- DUST CONTROL**
 DUE TO THE LOCATION OF THE WORK, THE CONTRACTOR SHALL MAKE SPECIAL EFFORTS TO CONTROL DUST DURING THE PROCESS OF THE WORK. DUST SHALL BE CONTROLLED TO A MINIMUM BY REGULAR APPLICATIONS OF WATER AS NECESSARY OR AS DIRECTED BY THE ENGINEER. AT THE CONCLUSION OF THE PROJECT, THE CONTRACTOR SHALL SWEEP THE STREETS TO REMOVE ALL LOOSE DIRT AND DUST RESULTING FROM THE CONSTRUCTION OPERATIONS.
- BARRICADES**
 CONTRACTOR SHALL PROVIDE LIGHTED BARRICADES POSITIONED ON FOUR FOOT CENTERS AROUND THE PERIMETER OF OPEN EXCAVATIONS AT THE CONCLUSION OF THE WORK DAY. TWO STRANDS OF BARRIER TAPE SHALL BE TIED AROUND THE BARRICADED AREA.
- FRAMES AND COVERS**
 ALL MANHOLE FRAMES AND COVERS, WATER VALVE BOXES AND LIDS AND OTHER SIMILAR EXISTING UTILITIES SHALL BE RAISED TO THE GRADE OF THE FINISHED PAVEMENT SURFACE BY THE CONTRACTOR. MANHOLE FRAMES AND COVERS AND WATER VALVE LIDS SHALL BE RAISED AFTER PAVING OPERATIONS HAVE OCCURRED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS.
- SIGNS**
 STOP SIGNS, YIELD SIGNS AND ALL OTHER TRAFFIC CONTROL SIGNS SHALL BE MOVED IF NECESSARY DURING THE CONSTRUCTION PROCESS AND BE REPOSITIONED TEMPORARILY IN A LOCATION DETERMINED BY THE ENGINEER. STOP SIGNS AND YIELD SIGNS SHALL NOT BE TAKEN OUT OF SERVICE BUT RATHER RELOCATED IN A VISIBLE LOCATION. OTHER SIGNS SHALL BE STORED BY THE CONTRACTOR DURING THE CONSTRUCTION PHASE OF THE PROJECT. AT THE CONCLUSION OF THE PROJECT ALL SIGNS SHALL BE POSITIONED IN A PERMANENT LOCATION AS DETERMINED BY THE ENGINEER. STOP SIGNS AND STREET NAME SIGNS ARE TO BE POSITIONED AT INTERSECTIONS AS ILLUSTRATED ON THE PLANS.
- CLEANUP**
 THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL UNCLASSIFIED EXCAVATION MATERIAL, EXISTING PAVEMENT, CONCRETE DEBRIS AND ALL OTHER MATERIAL RESULTING FROM DEMOLITION ACTIVITIES.
- PERMITS**
 THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND BUSINESS LICENSES AND SHALL NOTIFY THE CITY OF SAN LUIS AT LEAST 72 HOURS PRIOR TO COMMENCING WORK AND AT LEAST 48 HOURS PRIOR TO REQUIRING AN INSPECTION
- SANITARY FACILITIES**
 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SANITARY FACILITIES ON THE LOCALE OF THE PROJECT FOR USE BY THE CONTRACTOR'S EMPLOYEES.
- POWER LINES**
 THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH OVERHEAD ELECTRIC LINE CONDITIONS AND TAKE NECESSARY PRECAUTIONS TO PROTECT AGAINST INJURY AND DAMAGE DURING CONSTRUCTION.
- TRAFFIC CONTROL**
 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE AND MAINTAIN PROPER SIGNS, BARRICADES AND WARNING LIGHTS TO CONTROL THE TRAFFIC AND TO ASSURE THE PUBLIC'S HEALTH, WELFARE AND SAFETY. ALL DEVICES MUST CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- CHANGES**
 THE CONTRACTOR SHALL NOTIFY THE CITY OF SAN LUIS AND THE ENGINEER IMMEDIATELY OF ANY CONDITIONS REQUIRING CHANGE TO THE PLANS.
- ACCESS TO ADJACENT PROPERTY**
 ACCESS TO ADJACENT PROPERTIES, CROSS STREETS OR USE OF STREETS SCHEDULED FOR IMPROVEMENT MUST BE REASONABLY MAINTAINED FOR NORMAL ACCESS AND LOCAL RESIDENTS.
- CONSTRUCTION STAKING**
 CONSTRUCTION STAKING SHALL BE PROVIDED BY THE CITY OF SAN LUIS.
- MONUMENTS**
 ANY SURVEY MONUMENT DISTURBED DURING CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH THE CITY OF SAN LUIS STANDARD DETAILS BY THE CONTRACTOR AT NO EXTRA COSTS. CONTRACTOR TO UTILIZE A REGISTERED LAND SURVEYOR TO ASSURE PROPER PLACEMENT OF SAID MONUMENT.
- SPECIFICATIONS**
 ALL MATERIALS AND CONSTRUCTION HEREON SHALL CONFORM TO YUMA COUNTY STANDARD SPECIFICATIONS AND CONSTRUCTION STANDARDS, AND SHALL ALSO BE IN ACCORDANCE WITH 2015 MAG STANDARDS.
- BIDDING**
 ANY ITEM OF WORK CALLED OUT BY THE CONTRACT PLANS OR SPECIFICATIONS AND NOT SPECIFICALLY NOTED AS A BID ITEM ON THE PROPOSAL SHALL BE CONSIDERED INCIDENTAL TO SAID BID ITEM.
- MATERIALS TESTING**
 COMPACTION, CONCRETE AND LABORATORY TESTS WILL BE PROVIDED BY THE CITY OF SAN LUIS.
- SUBMITTALS**
 ALL MATERIAL SUPPLIED MUST BE SUBMITTED AS "SUBMITTALS FOR CONSTRUCTION".
- TRAFFIC CONTROL PLAN**
 THE CONTRACTOR MAY SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY OF SAN LUIS FOR APPROVAL IN ORDER TO OBTAIN AN ENCROACHMENT PERMIT FOR THE CONSTRUCTION WORK THAT WILL AFFECT A PUBLIC RIGHT OF WAY. THE PLAN WILL BE A CONTINUING PROGRAM TO PROVIDE AND MAINTAIN PROPER SIGNS, BARRICADES AND WARNING LIGHTS TO CONTROL THE TRAFFIC, AND TO ASSURE THE PUBLIC'S HEALTH, WELFARE AND SAFETY. ALL DEVICES MUST CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
 THE TRAFFIC CONTROL PLAN MUST INCLUDE ALL DETOUR ROUTES. A SEPARATE TRAFFIC CONTROL PLAN MUST BE SUBMITTED FOR EACH DIFFERENT TRAFFIC CONTROL SITUATION AT LEAST SEVEN (7) CALENDAR DAYS PRIOR TO PLANNED IMPLEMENTATION. THE CONTRACTOR SHALL NOTIFY THE CITY'S TRAFFIC CONTROL TECHNICIAN (928-373-4520) 48 HOURS BEFORE IMPLEMENTING TRAFFIC CONTROL CHANGES SO THE CITY MAY NOTIFY EMERGENCY SERVICES. THE TRAFFIC CONTROL PLAN MUST BE PREPARED BY AND IMPLEMENTED UNDER THE ON-SITE SUPERVISION OF PERSON CERTIFIED AS A TRAFFIC CONTROL SUPERVISOR BY ATSSA OR IMSA.
- GEOTECHNICAL INVESTIGATION**
 CONTRACTOR SHALL CONFORM TO THE GEOTECHNICAL INVESTIGATION COMPLETED FOR THIS PROJECT.
- THERMOPLASTIC PAVEMENT MARKING**
 CONTRACTOR SHALL APPLY THERMOPLASTIC PAVEMENT MARKINGS IN ACCORDANCE WITH THE 2008 ADOT STANDARD SPECIFICATIONS.
- BORROW MATERIAL**
 BORROW MATERIAL MAY BE OBTAINED FROM THE CITY OF SAN LUIS AS NEEDED. MATERIAL MUST BE TESTED AND APPROVED BY THE ENGINEER PRIOR TO USE.

Professional Engineer
 35477
 MARISOL A. CANALES
 State of Arizona
 Expires 12/31/18

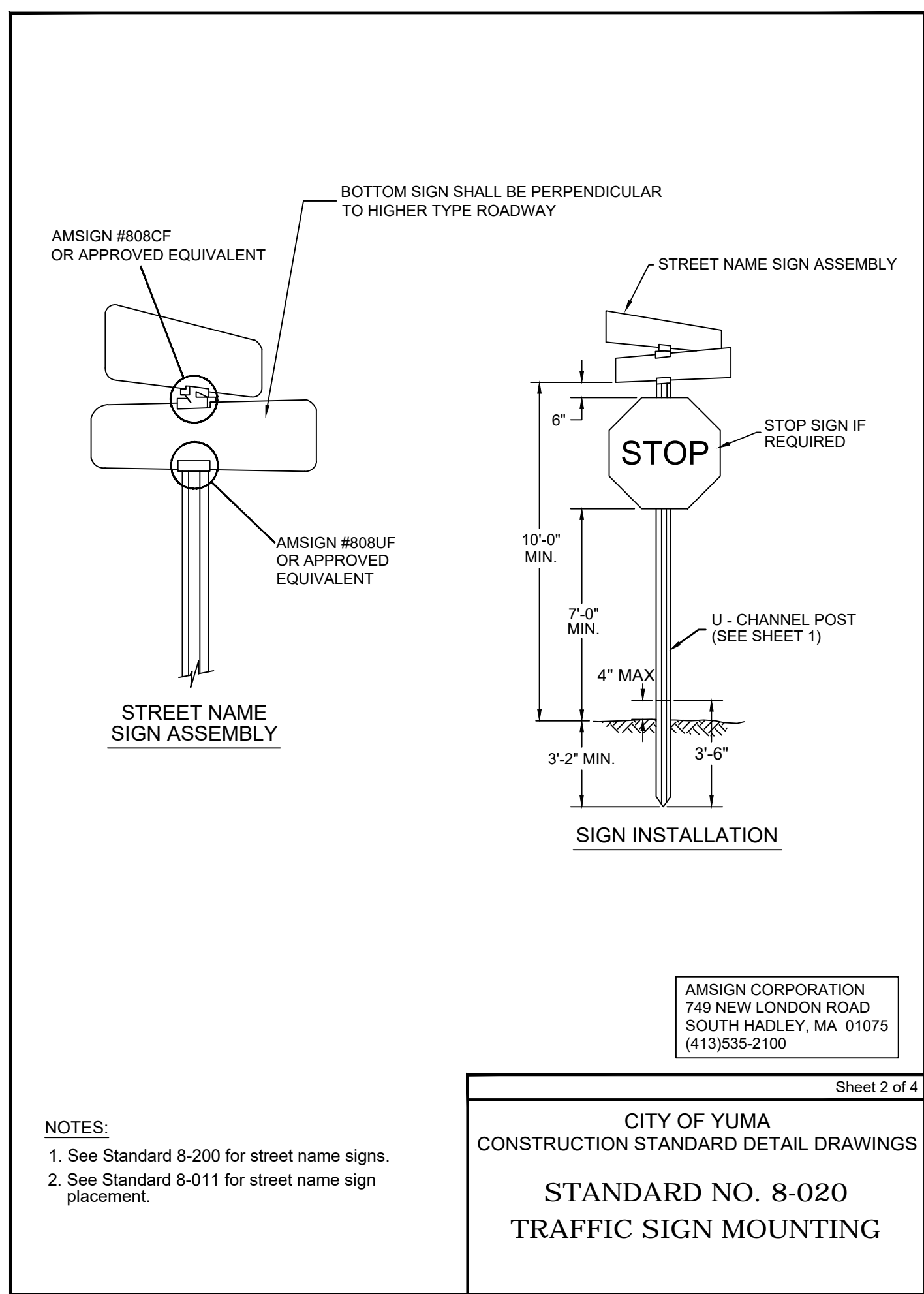
CITY OF SAN LUIS
UNION ST. & 6TH AVE. PAVING IMPROVEMENTS PROJECT

DETAILS AND GENERAL NOTES

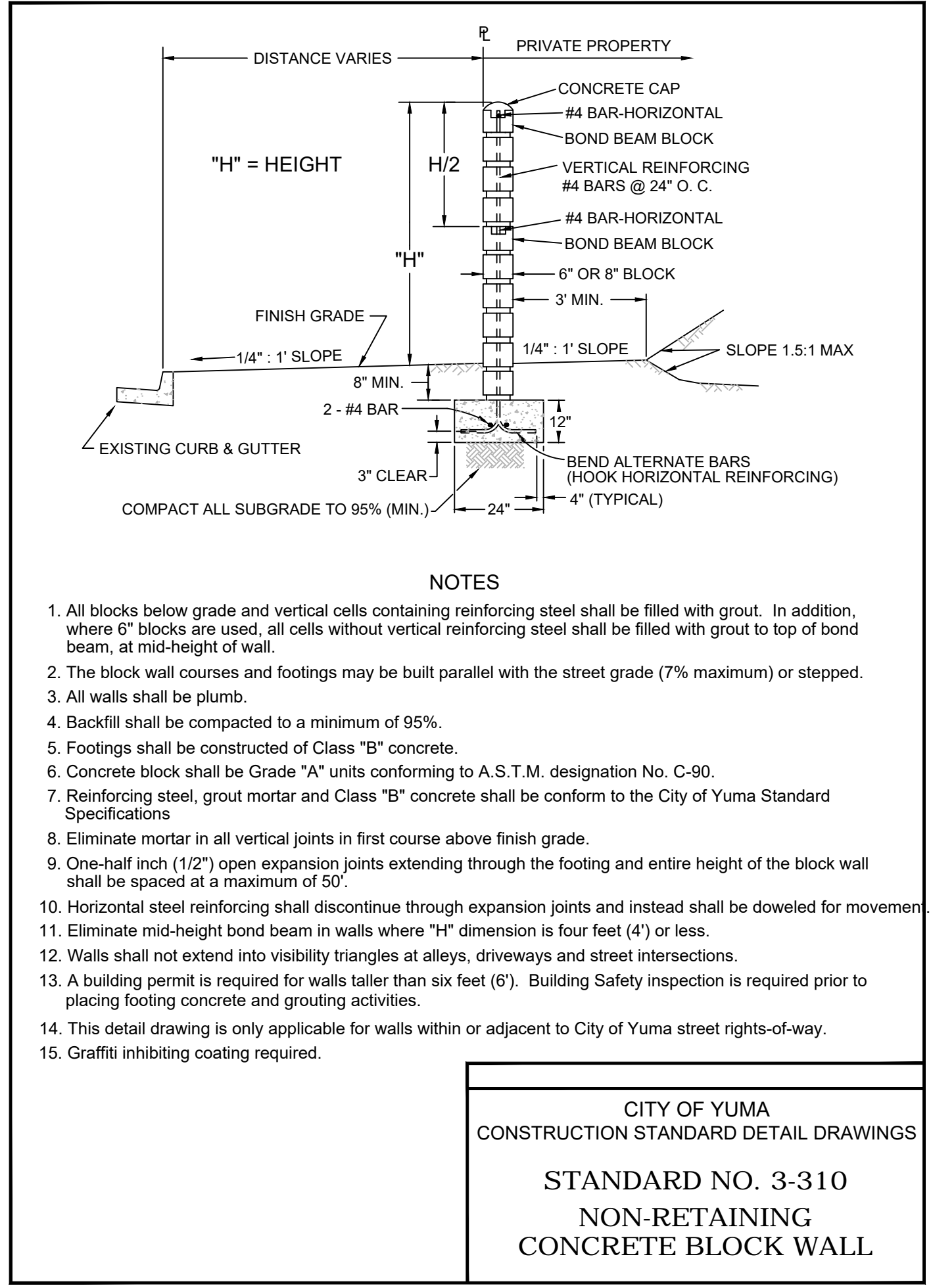
SCALE: AS SHOWN
 DATE: MARCH, 2018
 DES. BY: MAC
 DRAWN BY: C.B.
 SURVEYED BY: JM
 JOB No.: 017-0043
 SHEET 10 OF 11

Nicklaus Engineering Inc.
 1851 West 24th Street P.O. Box 6029
 YUMA, ARIZONA 85364 (928)344-8374
 Email: nei@nelaw.com

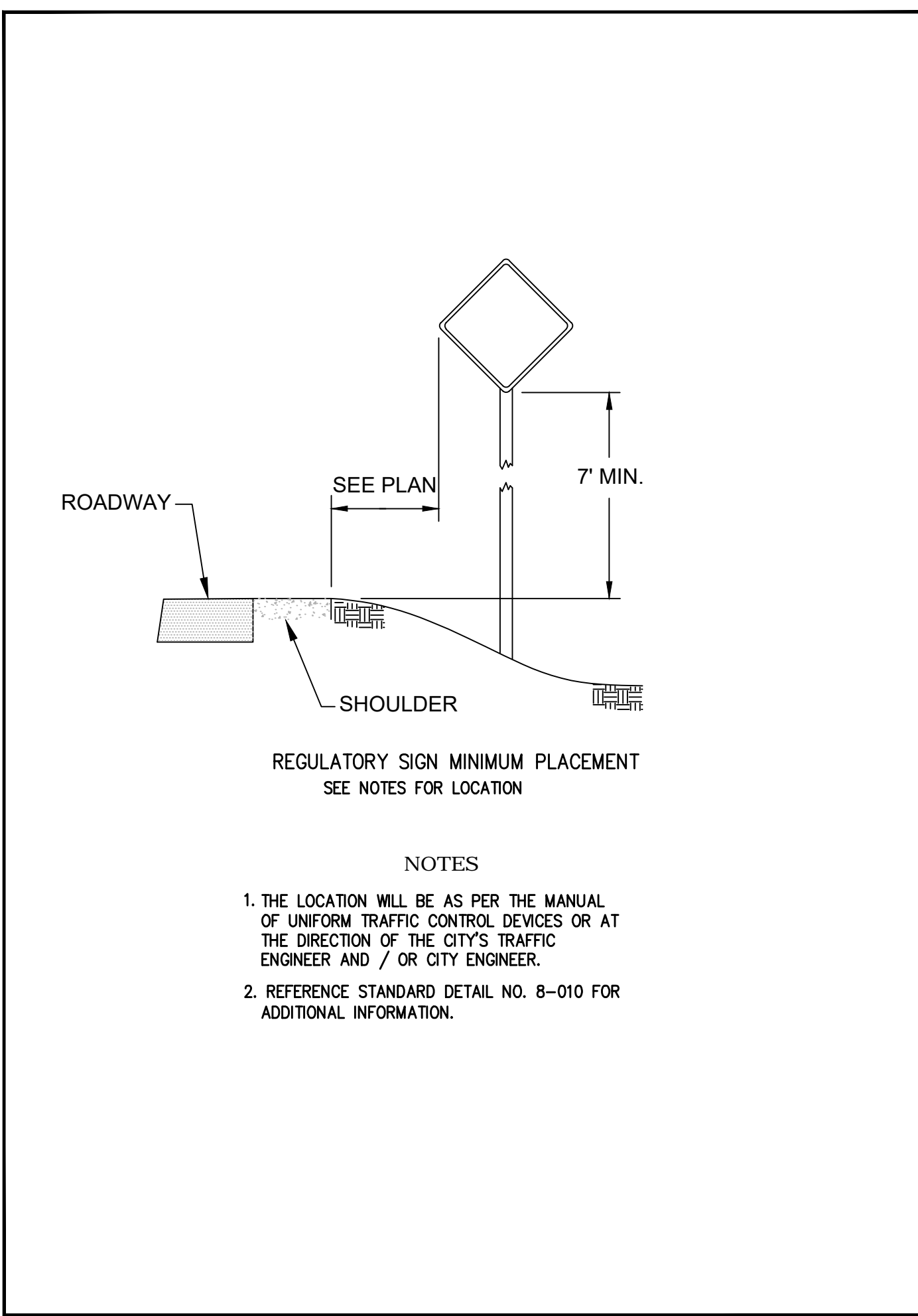
C-6



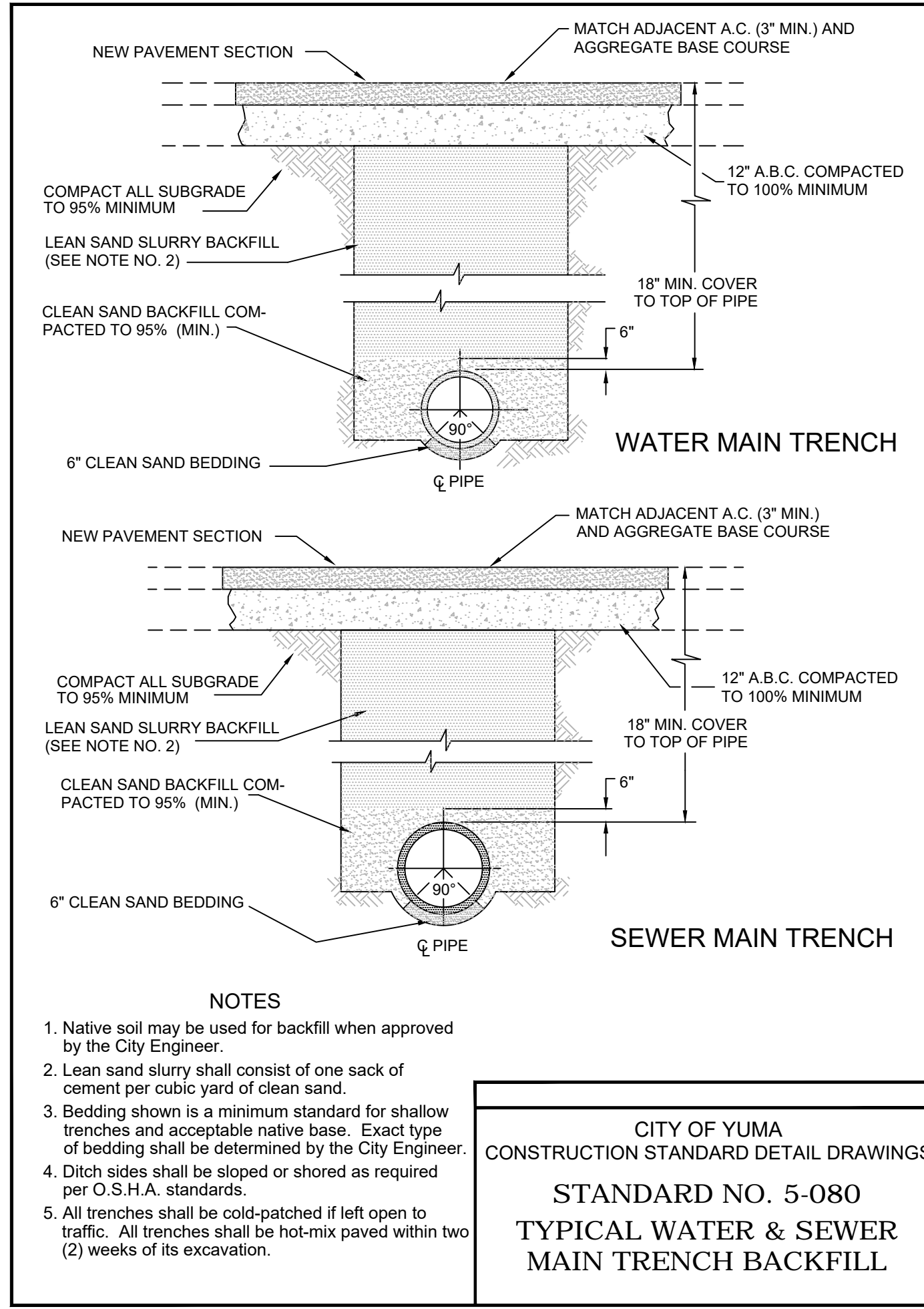
DOUBLE FACED STREET SIGN-STOP SIGN
CITY OF YUMA STD. NO. 8-020



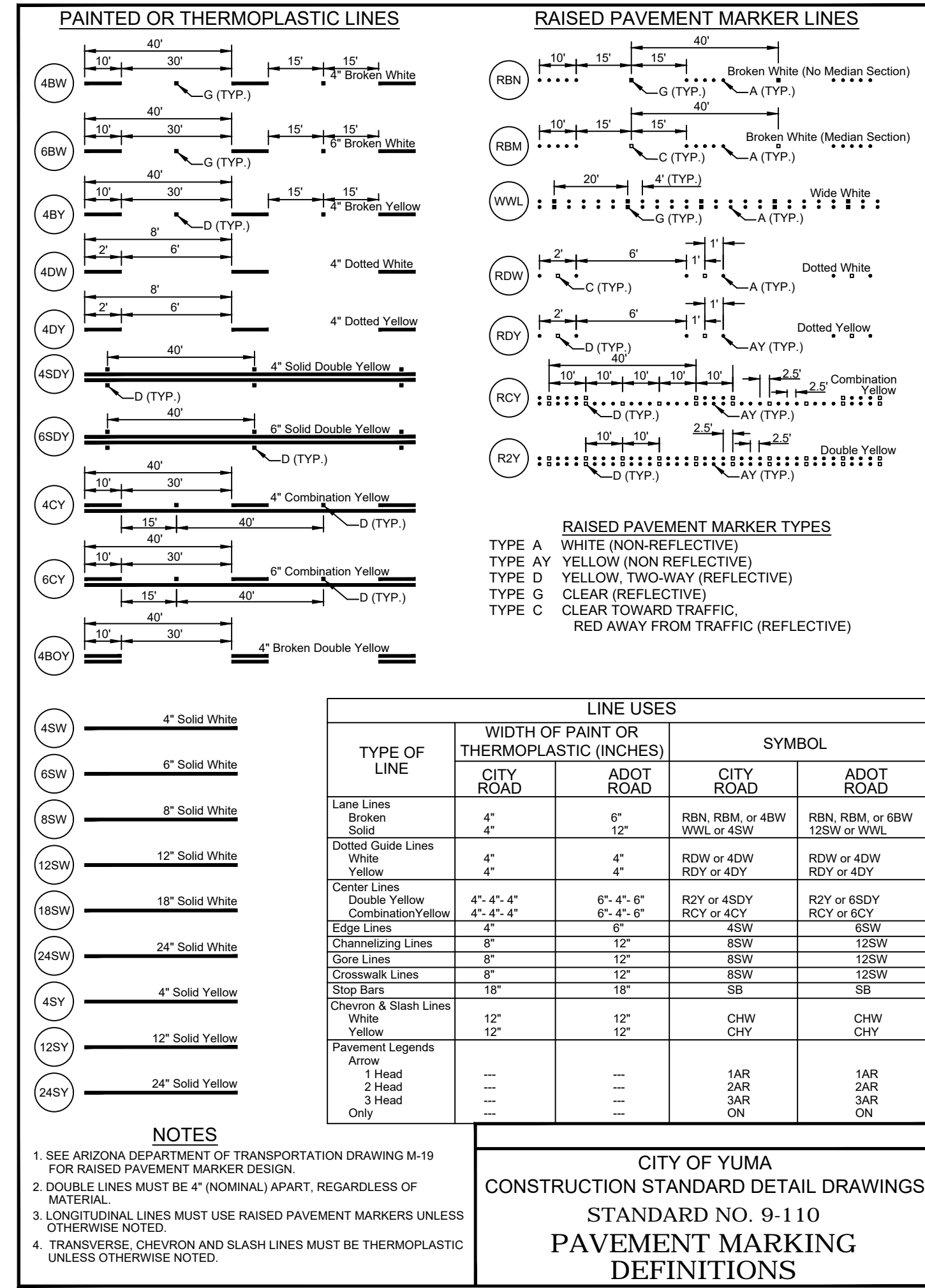
NON-RETAINING CONCRETE BLOCK WALL
CITY OF YUMA STD. NO. 3-310



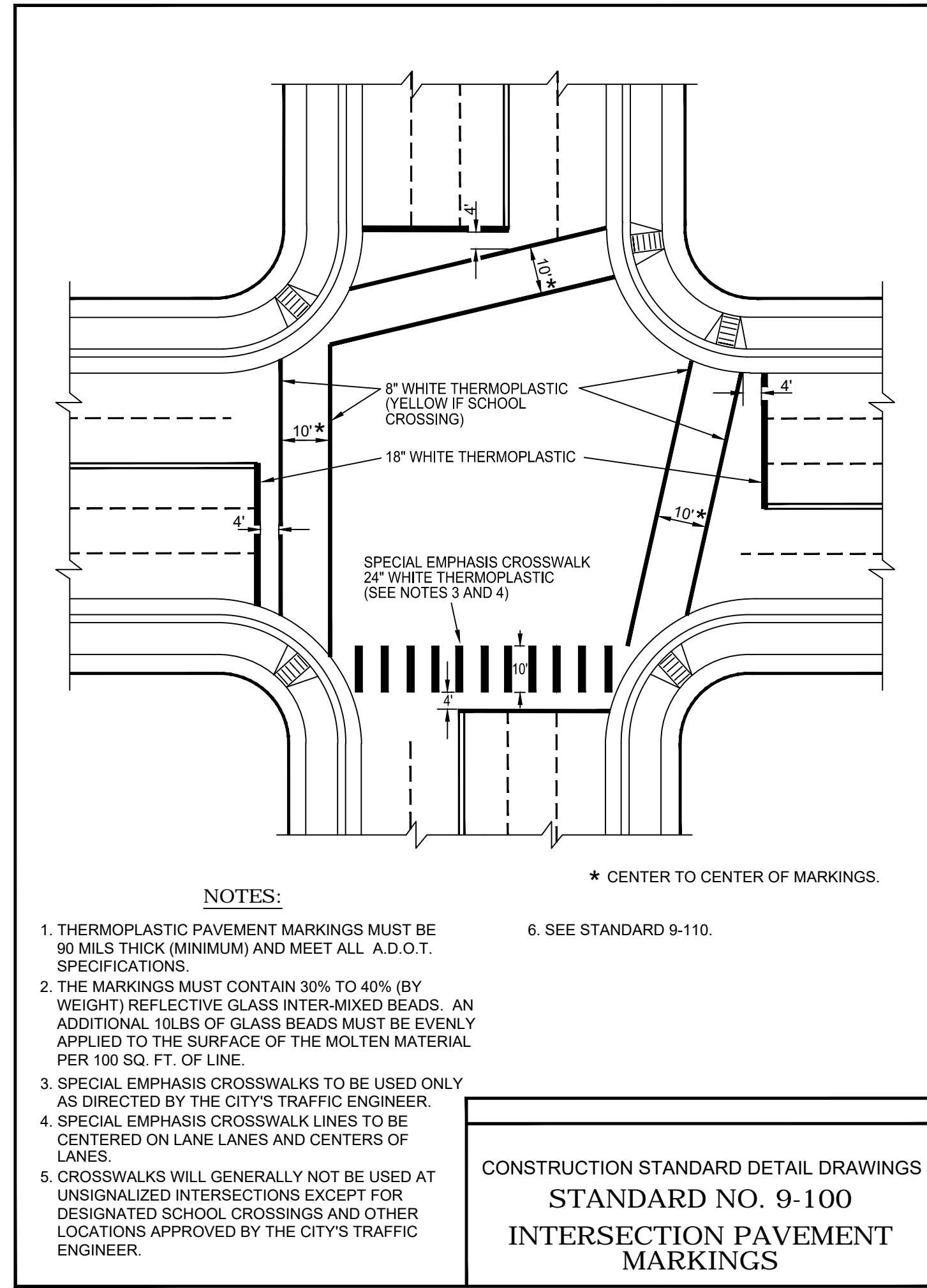
ROADSIDE SIGN, SHOULDER-NO CURB
CITY OF YUMA STD. NO. 8-010



TYPICAL WATER & SEWER MAIN TRENCH BACKFILL
CITY OF YUMA STD. NO. 8-020



PAVEMENT MARKINGS
CITY OF YUMA STD. NO. 9-110



INTERSECTION PAVEMENT MARKINGS
CITY OF YUMA STD. NO. 9-100

N:\2017\017-0043 CSL Union Street Paving\Drawings\Addendum No.1 Documents 03-20-18\017-0043 Improvements - Addendum No.1 03-20-18.dwg

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Professional Engineer
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C-7