

# 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

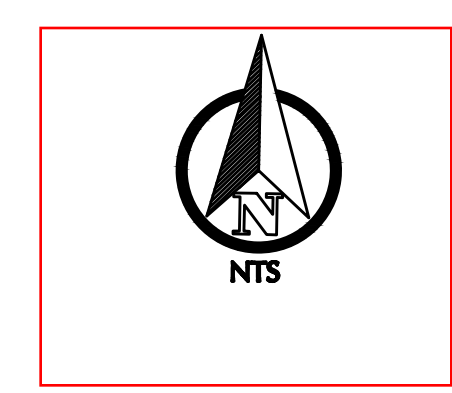
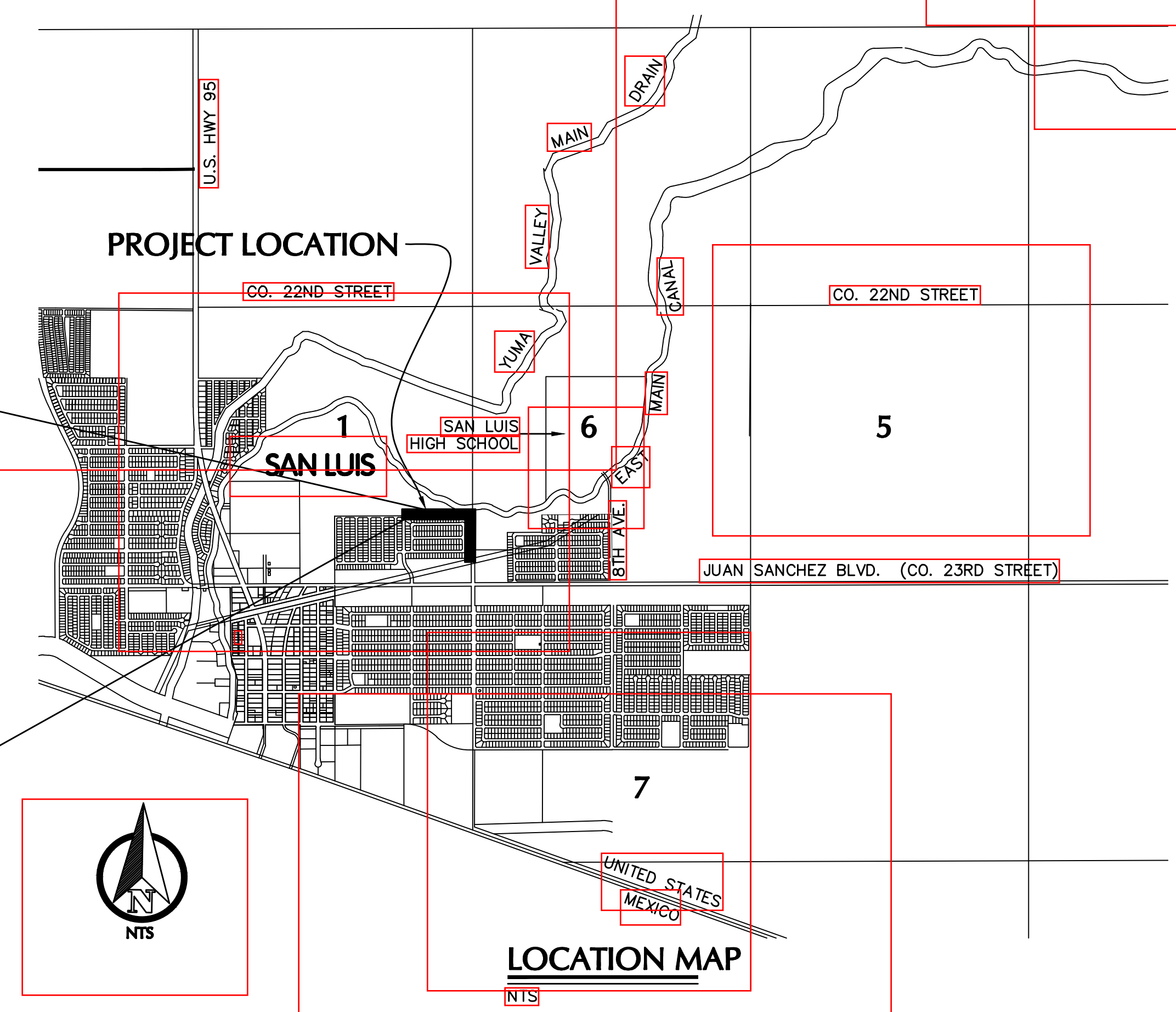
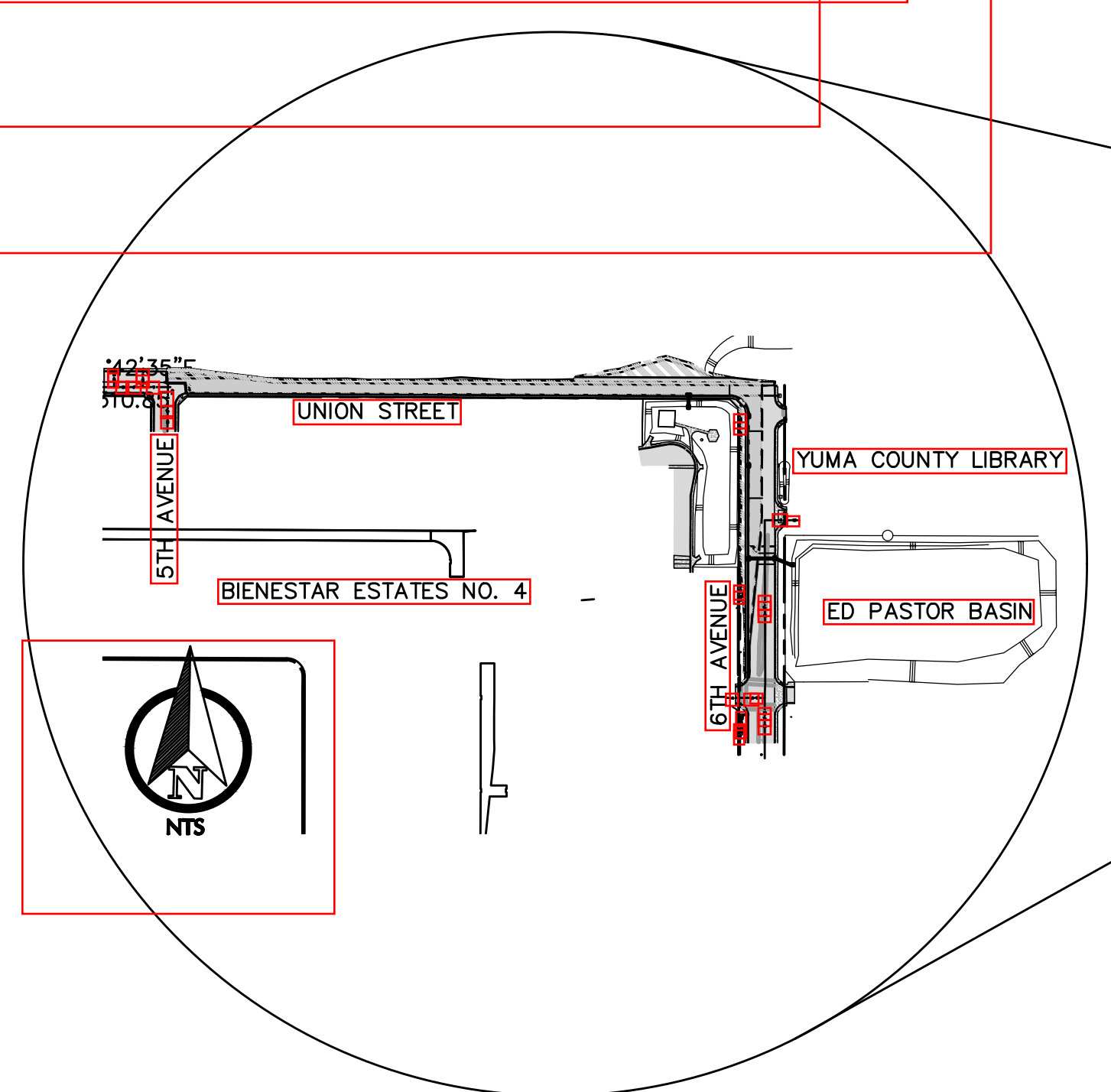
Date \_\_\_\_\_

APPROVED BY: \_\_\_\_\_  
DIRECTOR OF PUBLIC WORKS

Date \_\_\_\_\_

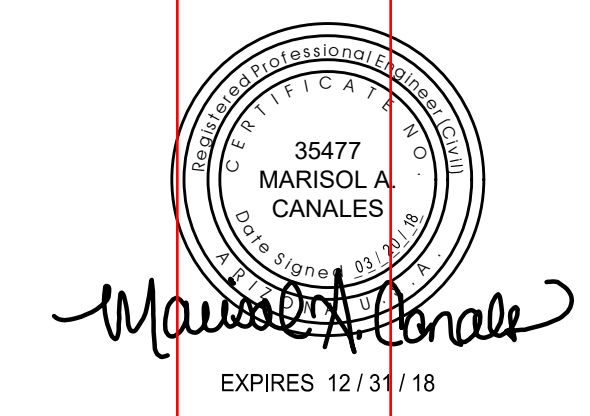
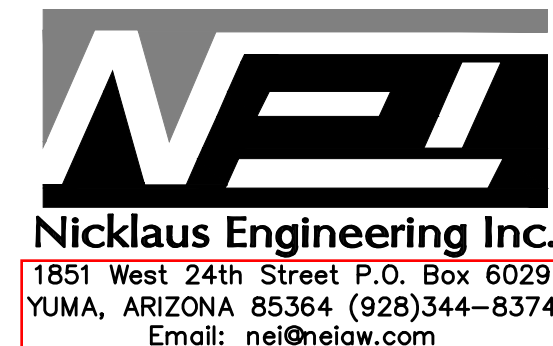
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- C-6 DETAILS AND GENERAL NOTES
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**LOCATION MAP**  
NTS

**PREPARED BY:**



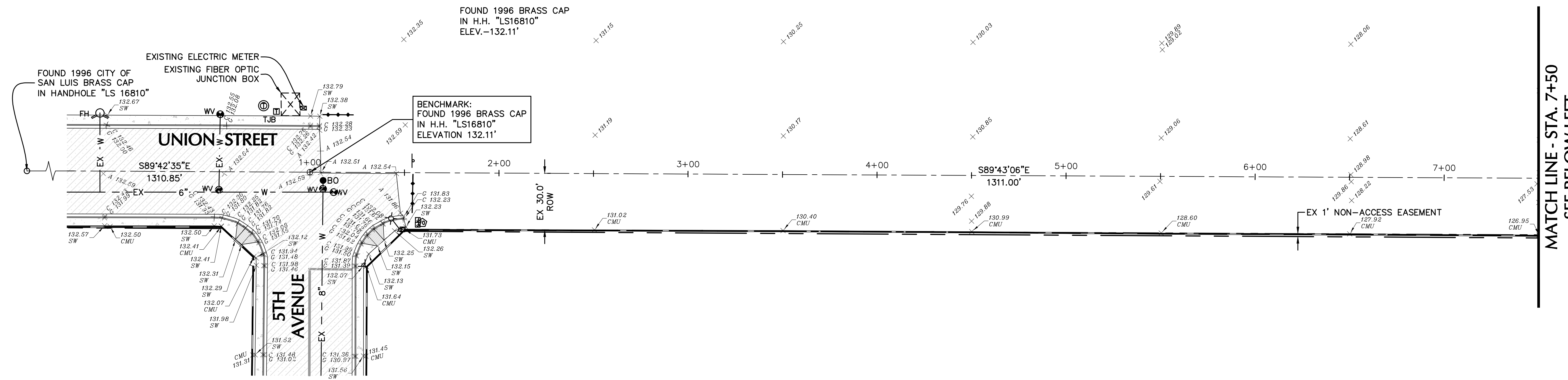
REVISED 03/20/18 ADDENDUM No.1

**SHEET 1 OF 11**

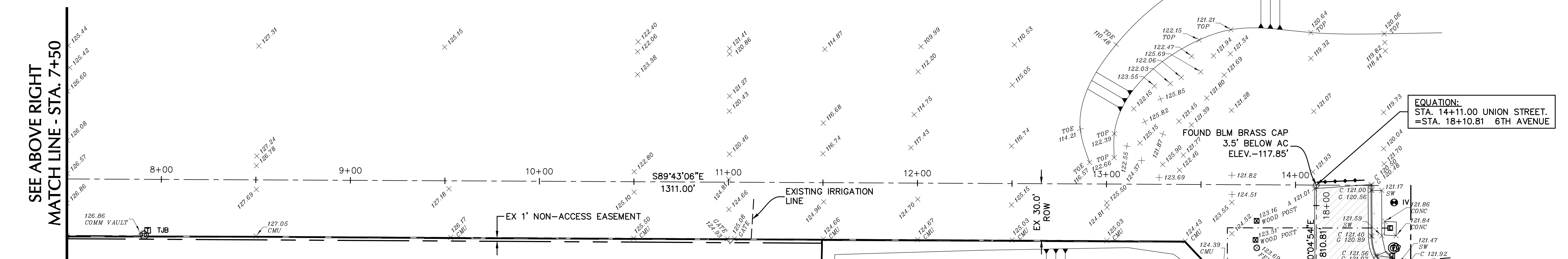
N:\2017\07-0043 CSL Union Street Paving\Civil\Drawings\2. Addendum No.1 Documents 03-20-18\07-0043 Improvements - Addendum No.1 03-20-18.dwg

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



MATCH LINE - STA. 7+50  
SEE BELOW LEFT



SEE ABOVE RIGHT  
MATCH LINE - STA. 7+50

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

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

**EXISTING LEGEND**

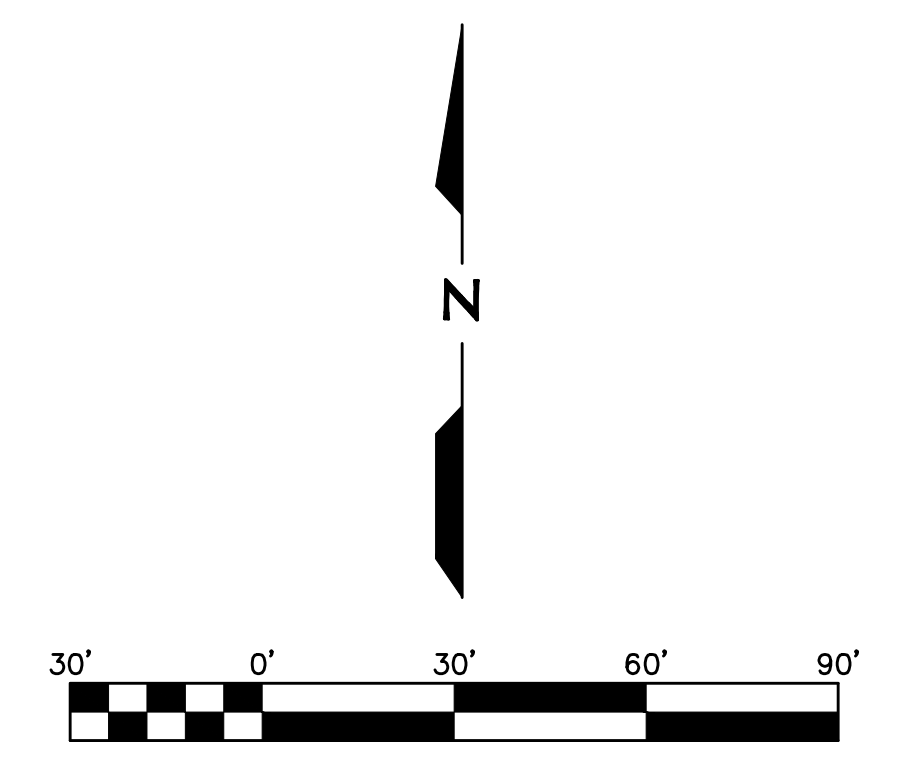
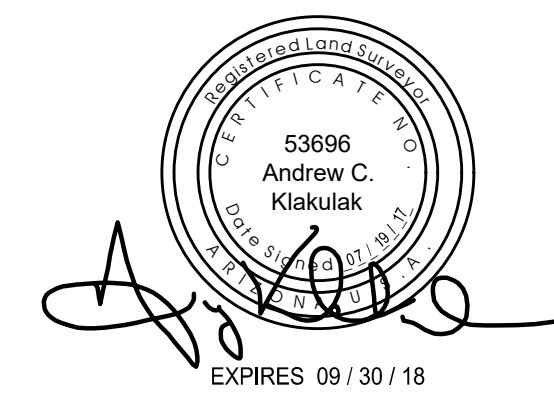
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	EXISTING SECTIONAL/CENTER LINE		EXISTING STOP SIGN		EXISTING GROUND ELEVATION
	EXISTING RIGHT OF WAY LINE		EXISTING FIBER OPTIC MARKER		EXISTING ASPHALT ELEVATION
	EXISTING ELECTRIC UNDERGROUND LINE		EXISTING ELECTRIC BOX		EXISTING CURB ELEVATION
	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  
NAMELY 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**

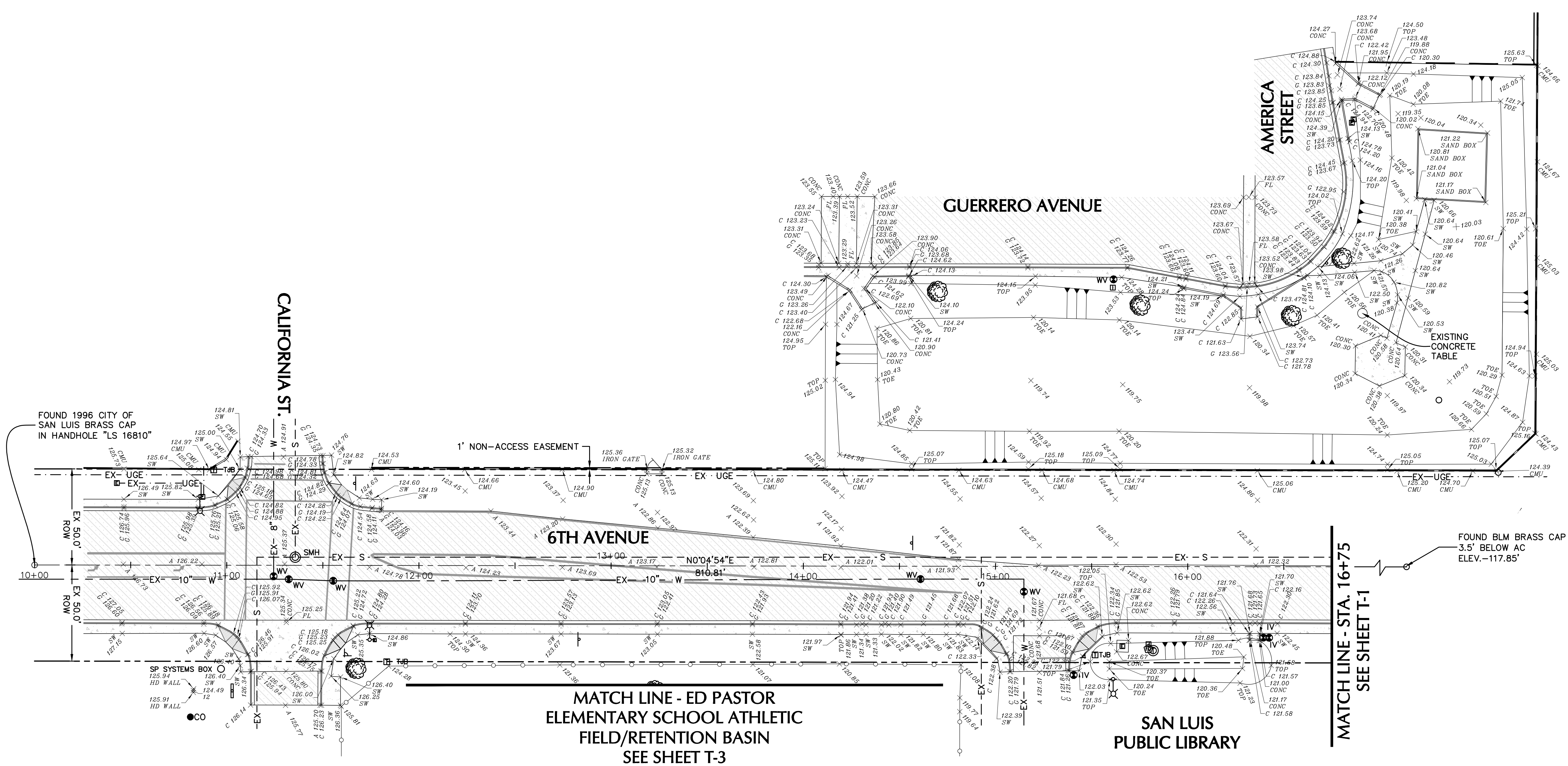
**UNION STREET  
TOPOGRAPHIC SURVEY**

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

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

**T-1**

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**EXISTING LEGEND**

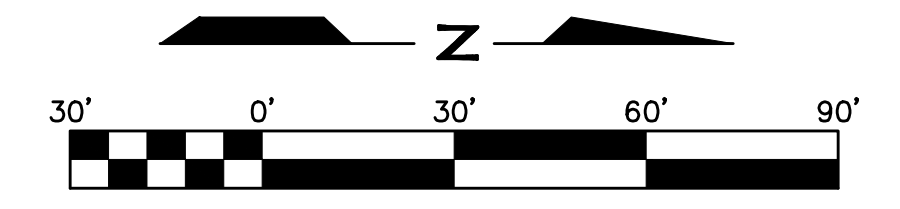
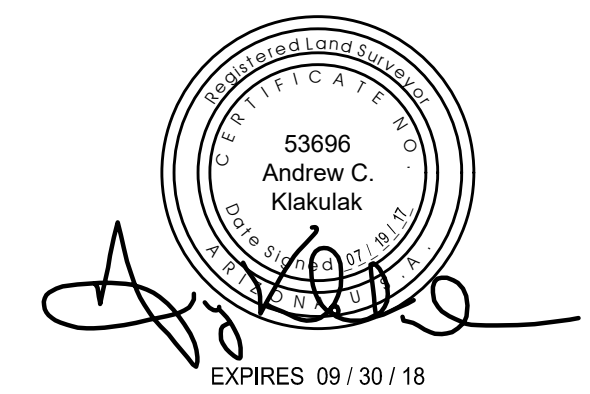
○	FOUND SURVEY MONUMENT AS NOTED	⊕	EXISTING SIGN	⊗	EXISTING TREE
---	EXISTING SECTIONAL/CENTER LINE	⊕	EXISTING STOP SIGN	×120.00	EXISTING GROUND ELEVATION
---	EXISTING RIGHT OF WAY LINE	⊕	EXISTING FIBER OPTIC MARKER	×A 120.00	EXISTING ASPHALT ELEVATION
---	UG - - - - -	⊕	EXISTING ELECTRIC BOX	×C 120.00	EXISTING CURB ELEVATION
---	EXISTING ELECTRIC UNDERGROUND LINE	⊕	EXISTING LIGHT	×C 120.00	EXISTING GUTTER ELEVATION
---	EX - - - S - - - -	⊕	EXISTING FIRE HYDRANT	×120.00 CONC	EXISTING CONCRETE ELEVATION
---	EXISTING SANITARY SEER LINE	⊕	EXISTING WATER BLOW OFF VALVE	×120.00 SW	EXISTING SIDEWALK ELEVATION
---	EXISTING WATER LINE	⊕	EXISTING WATER VALVE	×120.00 CMU	EXISTING MASONRY WALL ELEVATION
---	EXISTING MASONRY WALL	⊕	EXISTING IRRIGATION VALVE	×120.00 FL	EXISTING FLOW LINE ELEVATION
---	EXISTING CHAIN LINK FENCE	⊕	EXISTING TELEPHONE MANHOLE	×120.00 TOP	EXISTING TOP SLOPE ELEVATION
---	EXISTING ASPHALT PAVEMENT	⊕	EXISTING TELEPHONE JUNCTION BOX	×120.00 BOTTOM	EXISTING BOTTOM SLOPE ELEVATION
---	EXISTING CONCRETE	⊕	EXISTING JUNCTION BOX		
---	EXISTING BARRICADE				
---	EXISTING METAL POLE				

**BASIS OF BEARING**

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

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**CITY OF SAN LUIS**

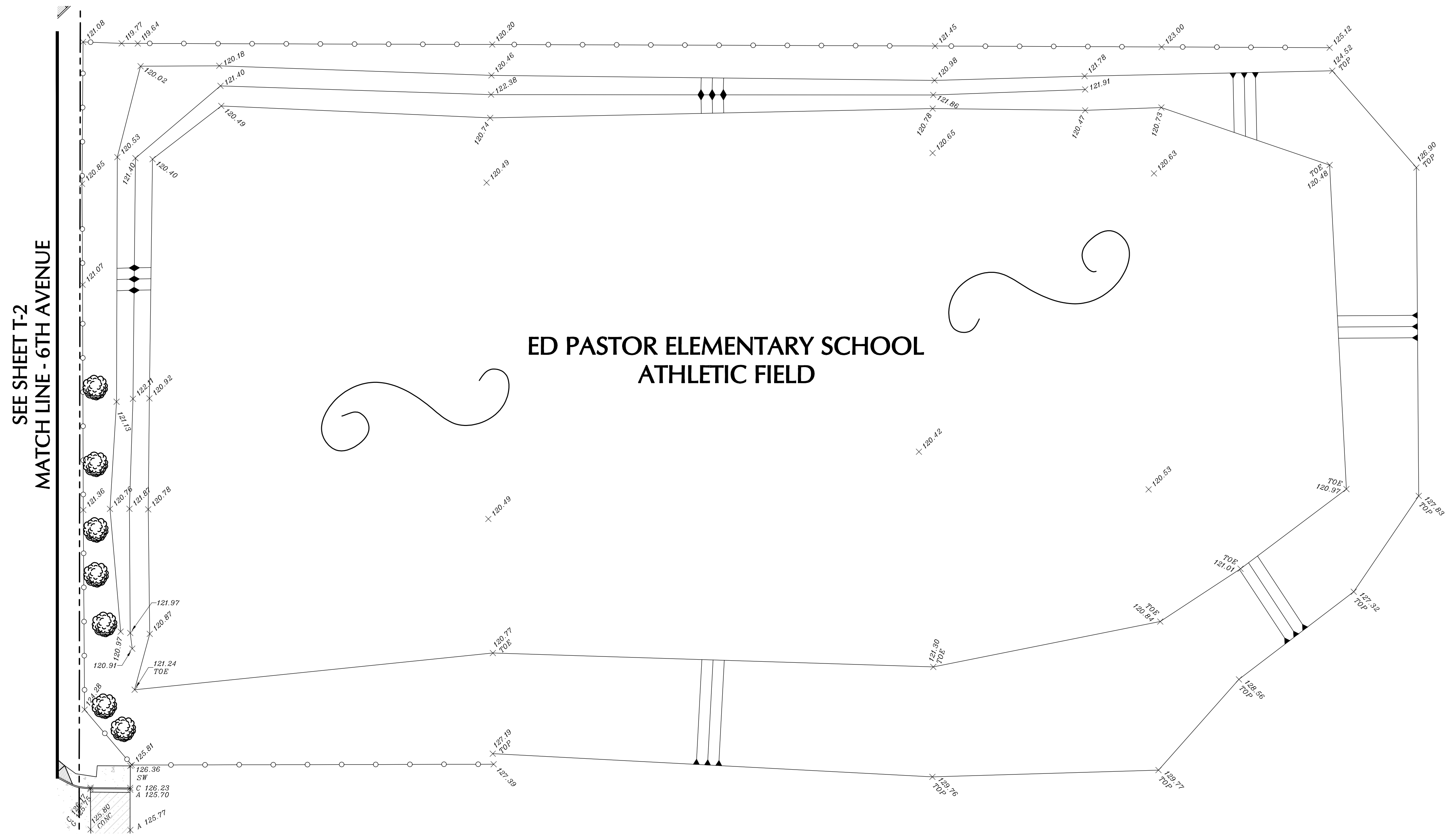
**6TH AVENUE  
TOPOGRAPHIC SURVEY**

SCALE: AS SHOWN
DATE: JULY, 2017
DES. BY: MAC
DRAWN BY: STAFF
SURVEYED BY: JM
JOB. No.: 017-0043
SHEET 2 OF 3

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

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

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SEE SHEET T-2  
MATCH LINE - 6TH AVENUE

### ED PASTOR ELEMENTARY SCHOOL ATHLETIC FIELD

#### EXISTING LEGEND

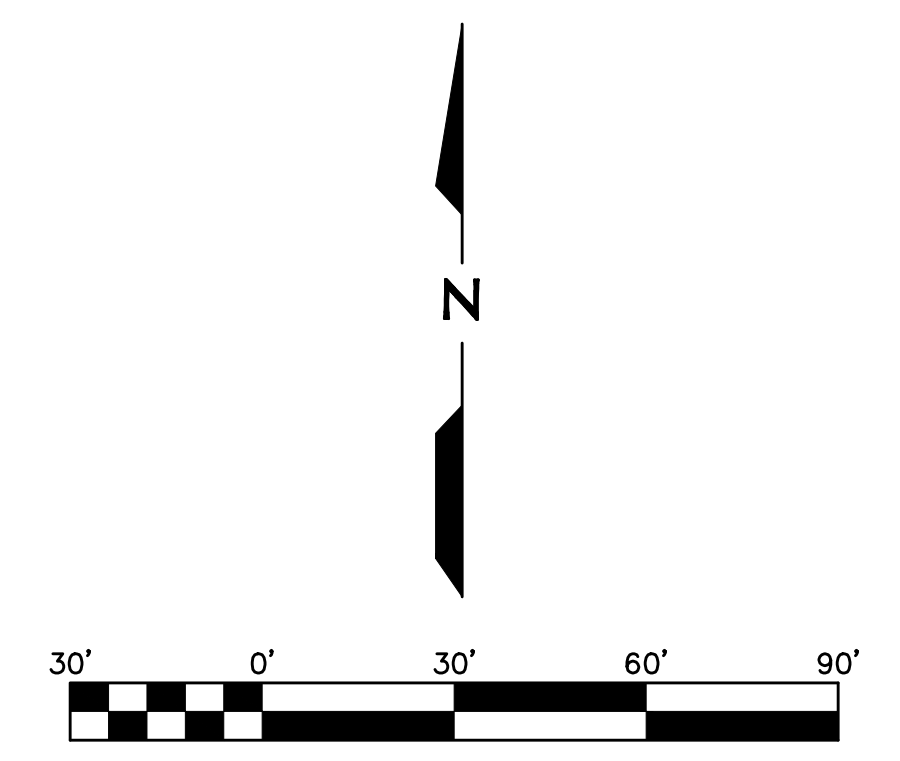
	FOUND SURVEY MONUMENT AS NOTED		EXISTING SIGN		EXISTING TREE
	EXISTING SECTIONAL/CENTER LINE		EXISTING STOP SIGN		EXISTING GROUND ELEVATION
	EXISTING RIGHT OF WAY LINE		EXISTING FIBER OPTIC MARKER		EXISTING ASPHALT ELEVATION
	EXISTING ELECTRIC UNDERGROUND LINE		EXISTING ELECTRIC BOX		EXISTING CURB ELEVATION
	EXISTING SANITARY SEER 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  
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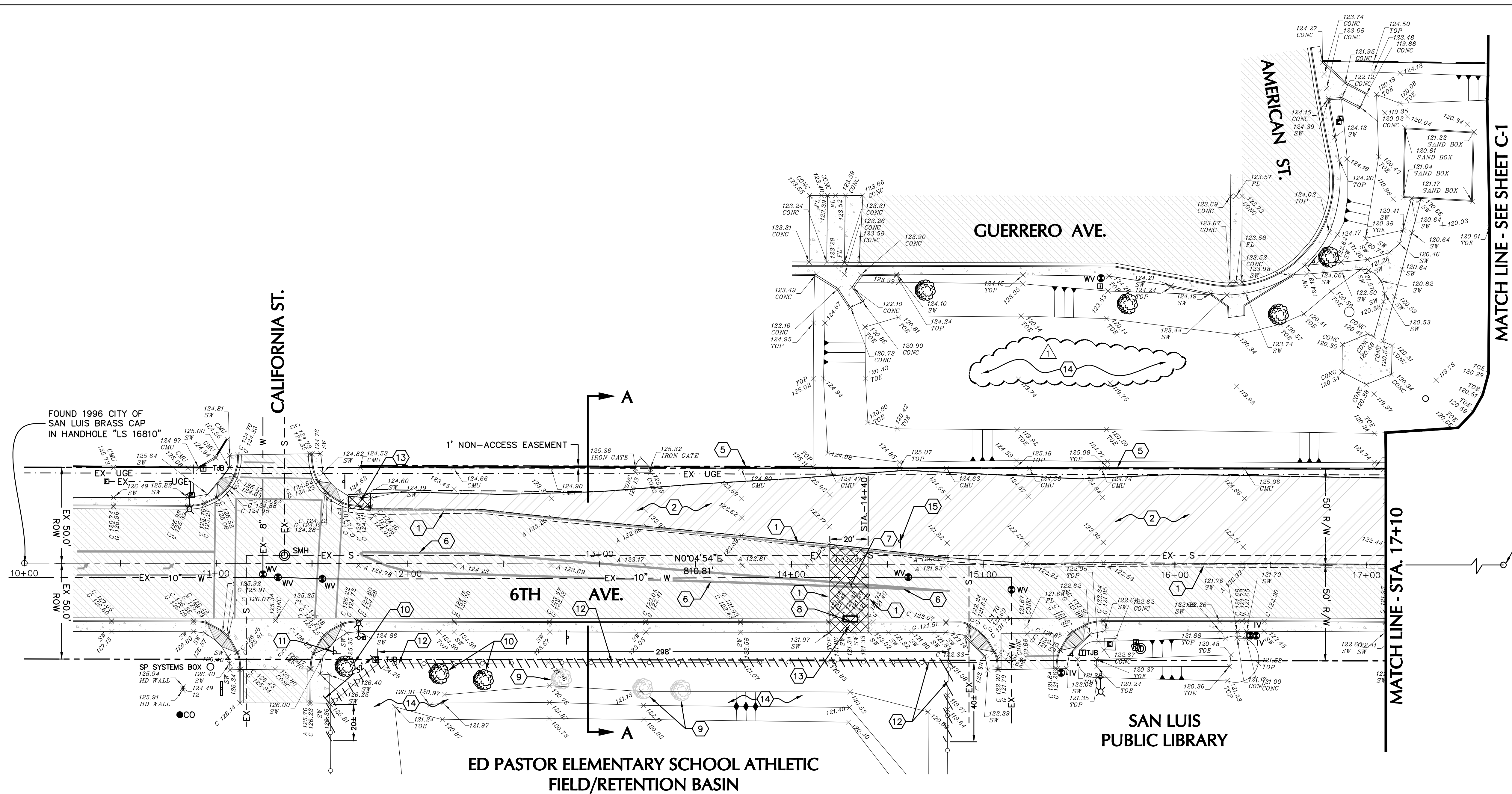
#### CITY OF SAN LUIS

#### ED PASTOR BASIN TOPOGRAPHIC SURVEY

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



N:\2017\07-0043 CSL Union Street Paving\Drawings\Addendum No.1 Documents 03-20-18\07-0043 Improvements - Addendum No.1 03-20-18.dwg

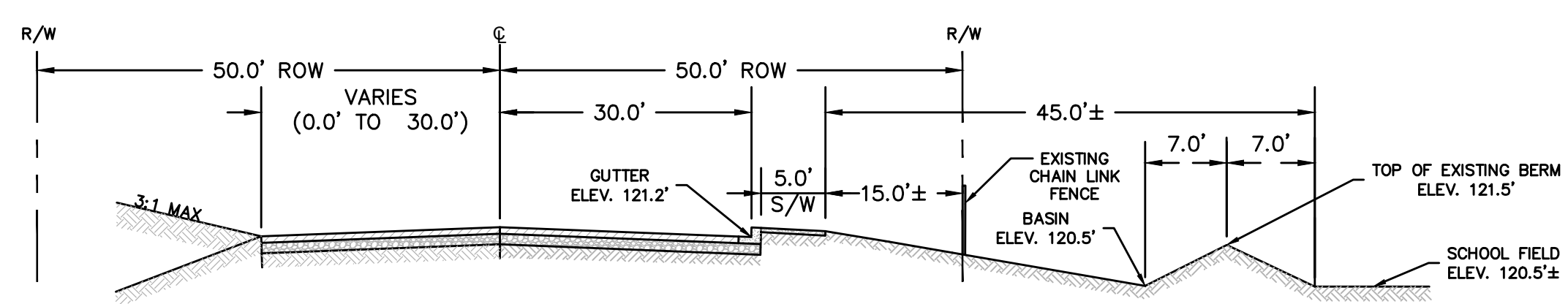


### LEGEND

	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

- 1 2' SAWCUT EXISTING AC PAVEMENT - SEE DETAIL (A-C1)
- 2 CLEAR AND GRUB PER GEOTECHNICAL INVESTIGATION
- 3 REMOVE EXISTING CMU WALL (APPROXIMATELY 170 LF)
- 4 REMOVE EXISTING BARRICADE
- 5 PROTECT EXISTING CMU WALL TO REMAIN
- 6 REMOVE EXISTING STRIPING
- 7 REMOVE EXISTING AC AND ABC FOR PIPE INSTALLATION
- 8 REMOVE EXISTING CONCRETE FOR CATCH BASIN AND PIPE INSTALLATION
- 9 REMOVE EXISTING TREE
- 10 PROTECT EXISTING TREE
- 11 PROTECT EXISTING SIGN
- 12 REMOVE EXISTING CHAIN LINK FENCE (390 LF±)
- 13 REMOVE EXISTING CONCRETE SIDEWALK, CURB & GUTTER
- 14 EXCAVATE BASIN TO FINAL GRADES SHOWN ON SHEET C-7 BY CITY OF SAN LUIS
- 15 RELOCATE SIGN



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

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



REVISED 03/20/18 ADDENDUM No.1

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

**6TH AVENUE DEMOLITION PLAN**

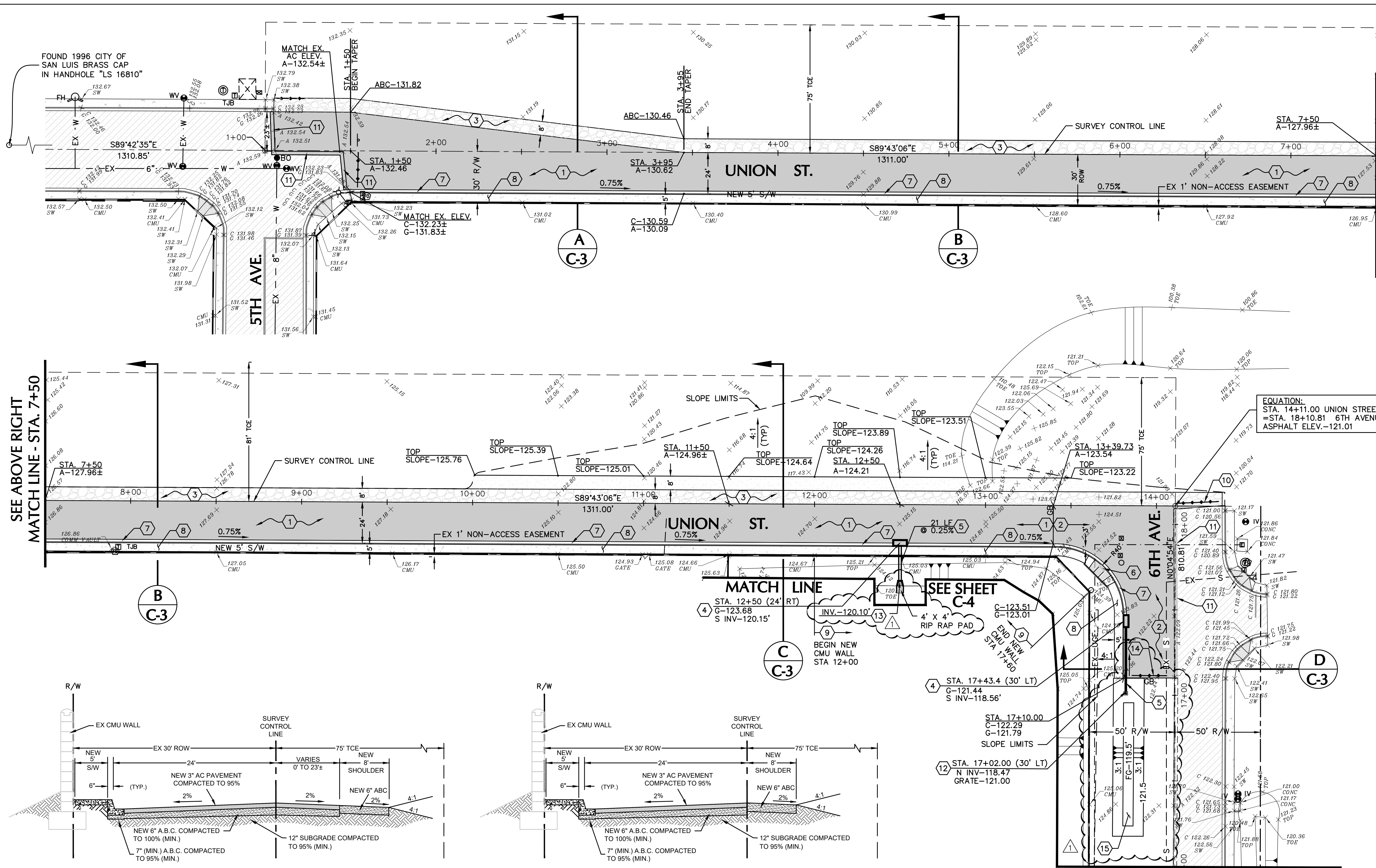
SCALE: AS SHOWN	DATE: MARCH, 2018
DES. BY: MAC	DRAWN BY: CB
SURVEYED BY: JM	JOB. No.: 017-0043
SHEET 6 OF 11	

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

**C-2**

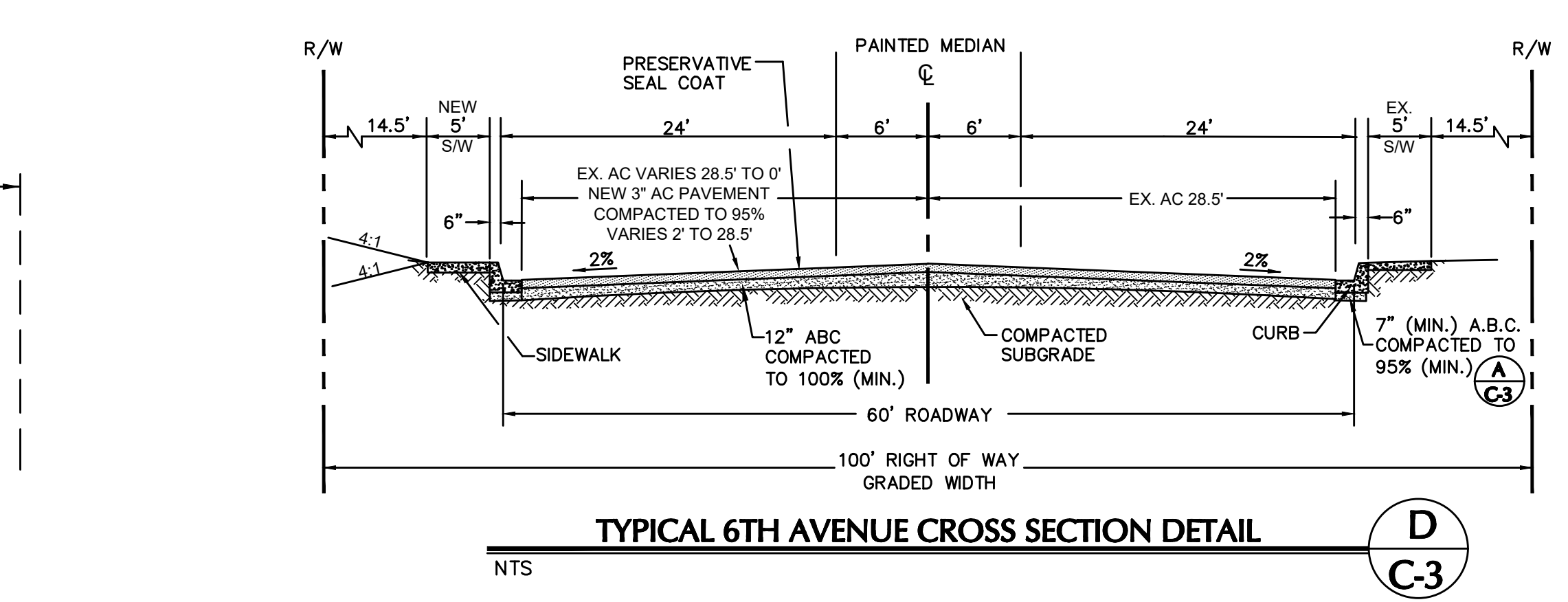
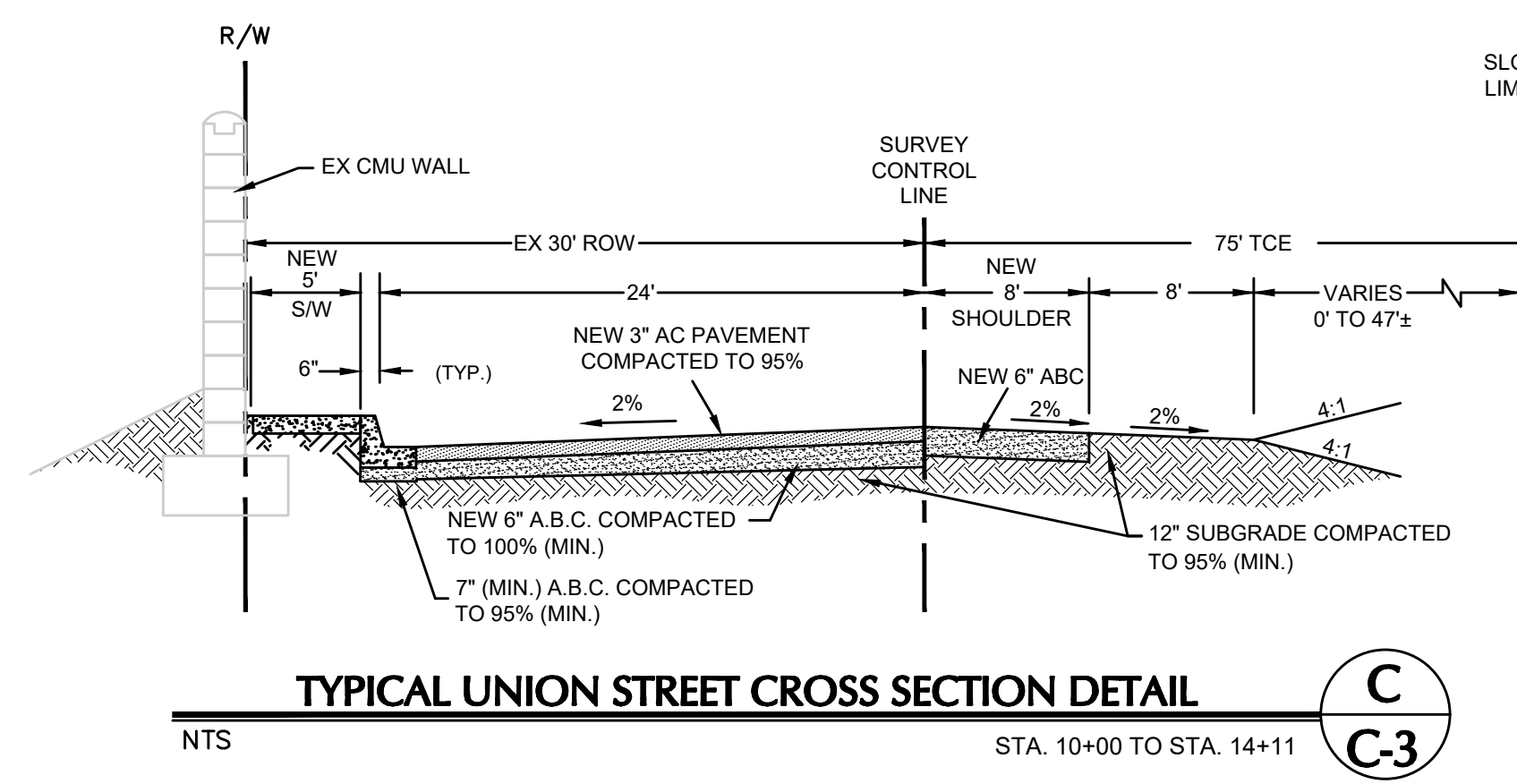
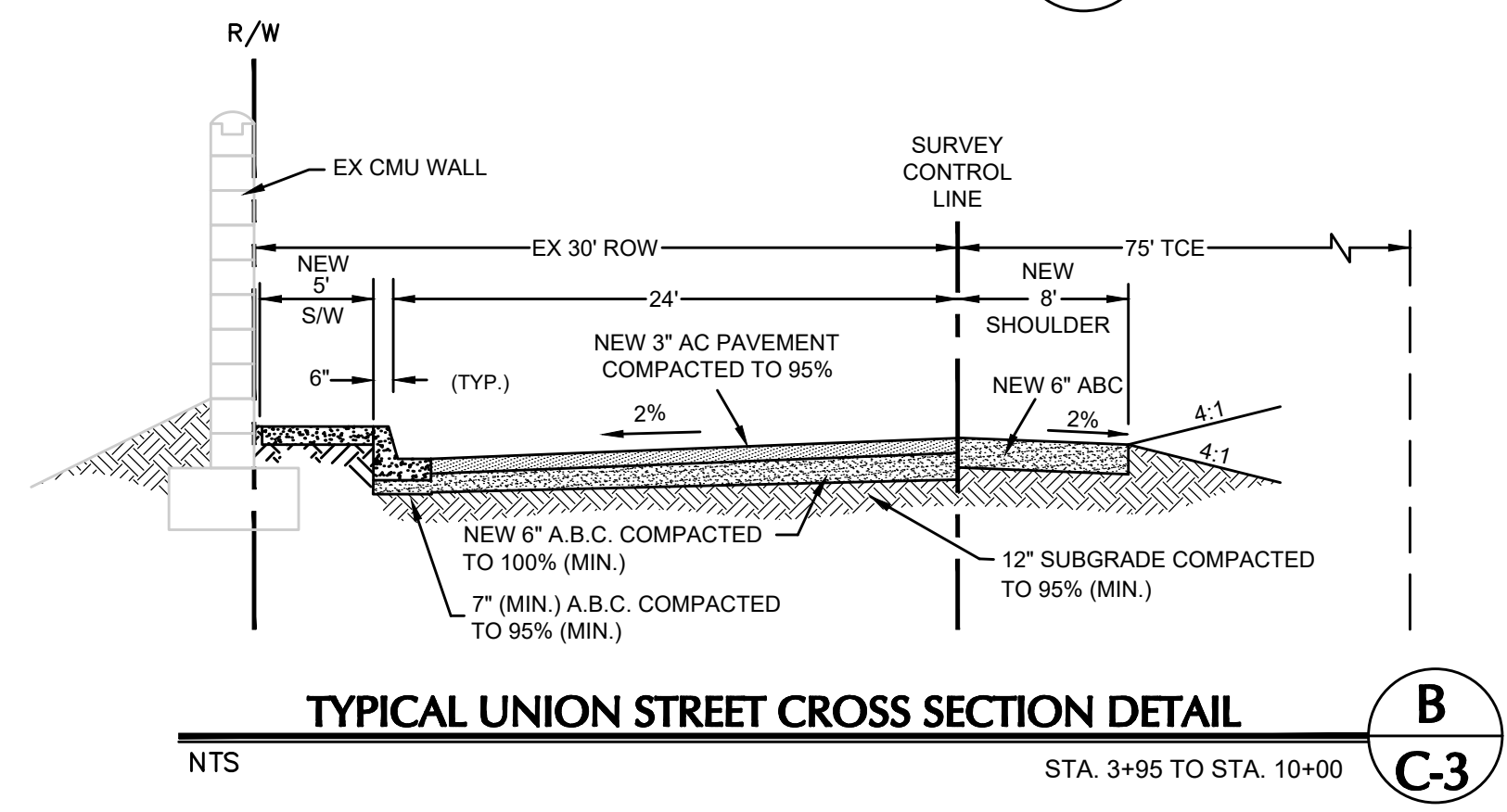
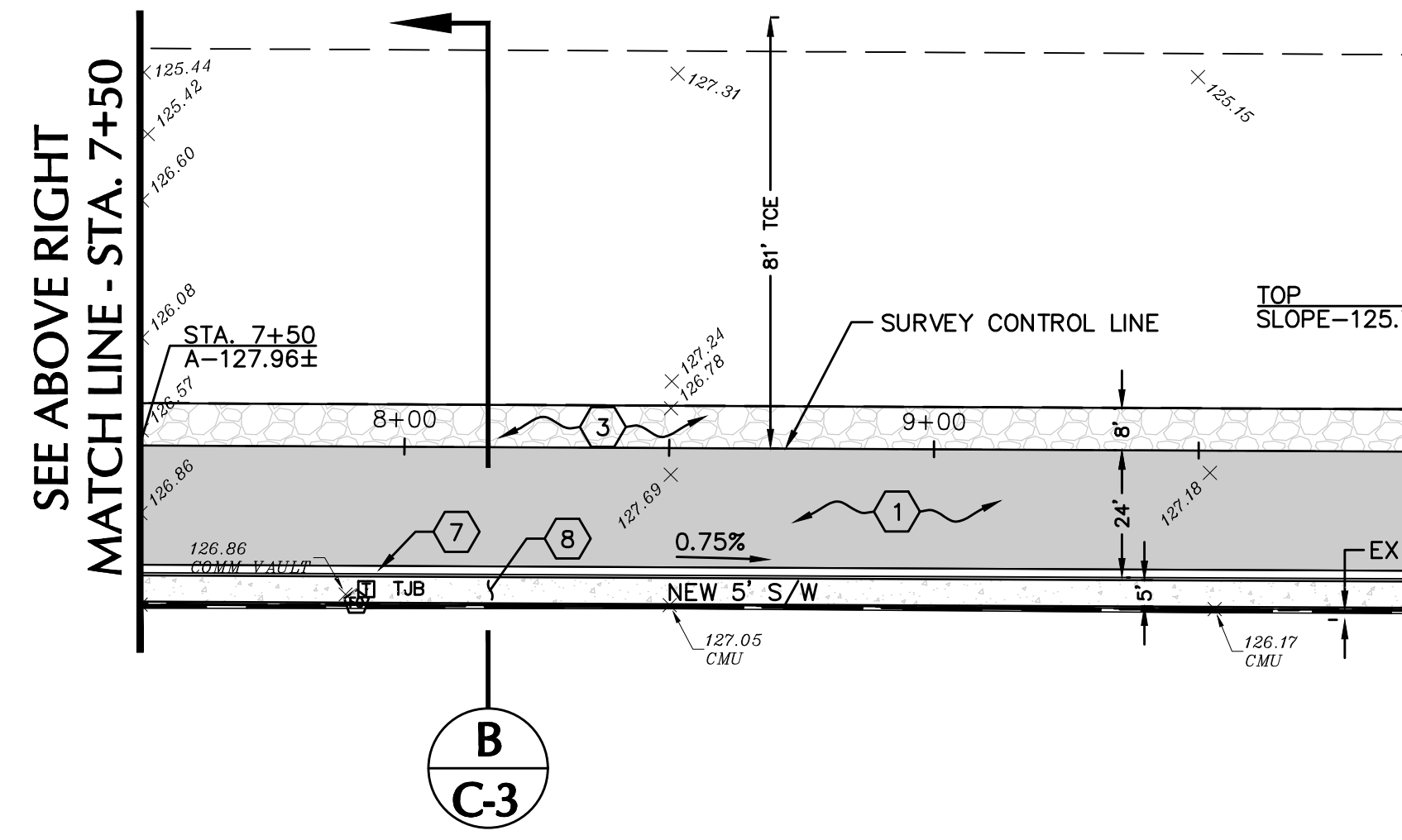
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N:\2017\017-0043 CSL Union Street Paving\Drawings\2. Addendum No.1 Improvements - Addendum No.1 02-20-18.dwg



### 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 ELEVATION
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

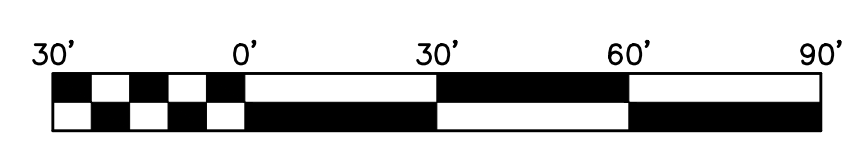
35477  
MARISOL A. CANALES  
Professional Engineer  
No. 12345  
EXPIRES 12/31/18

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

**UNION STREET IMPROVEMENTS**

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

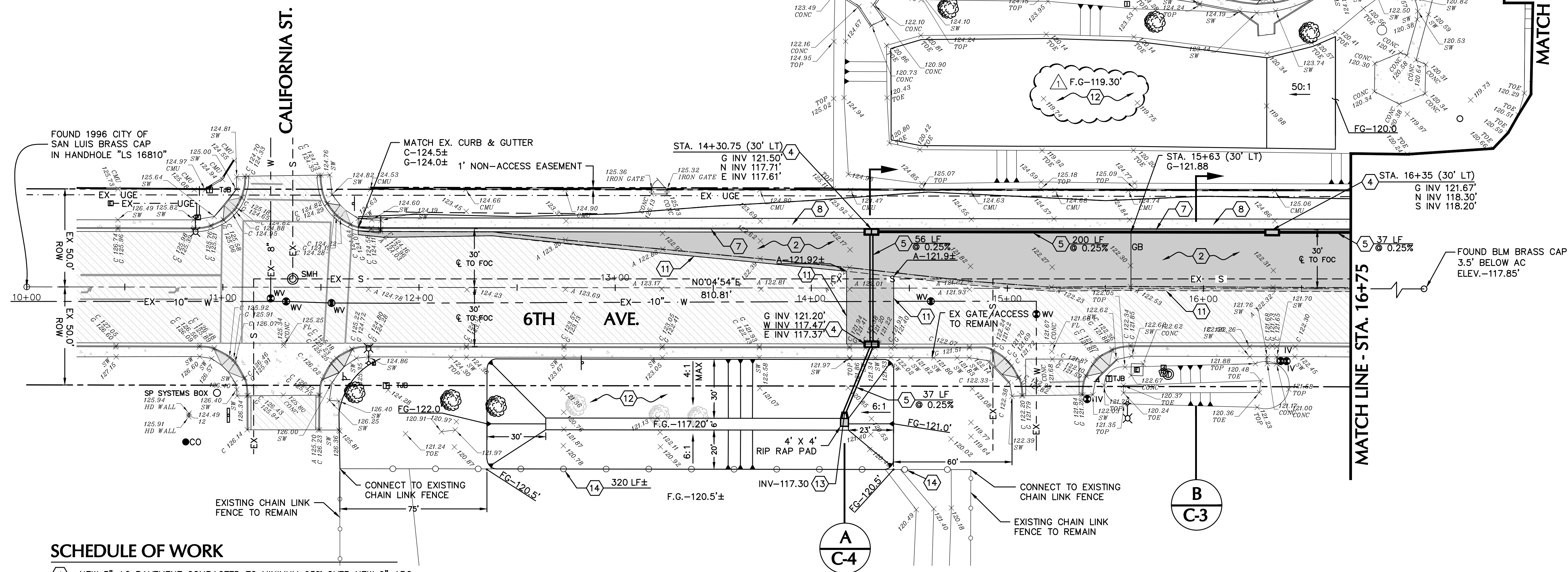
**Nicklaus Engineering Inc.**  
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YUMA, ARIZONA 85364 (928)344-8374  
Email: nei@nelaw.com



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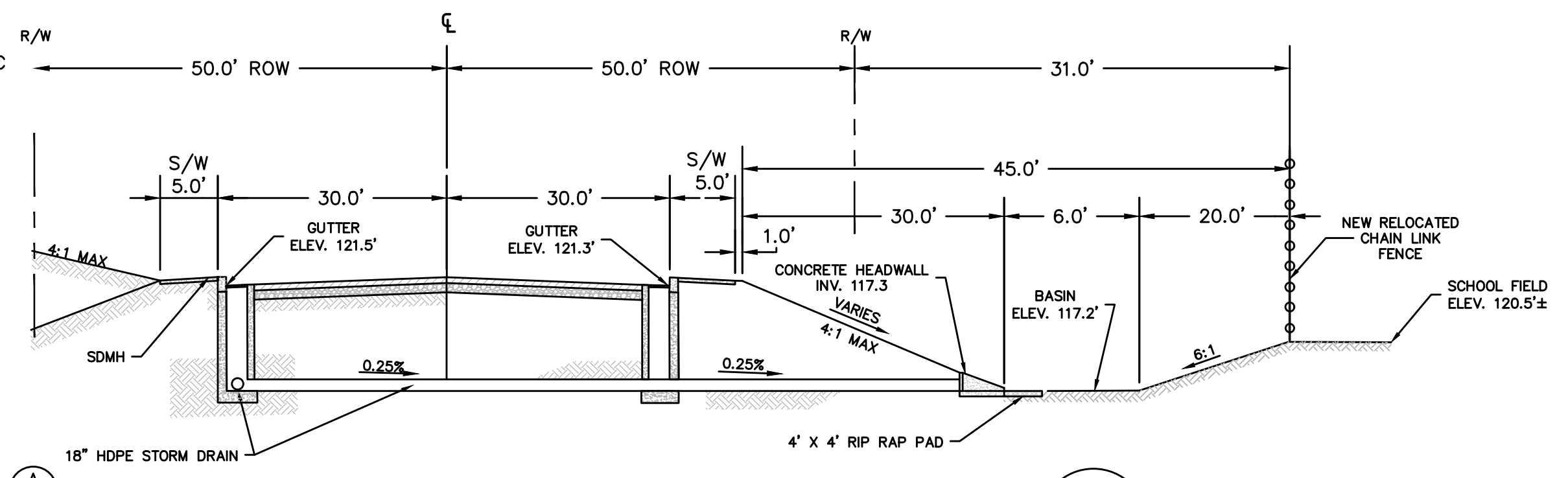
**LEGEND**

	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**

- 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" Ø 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**

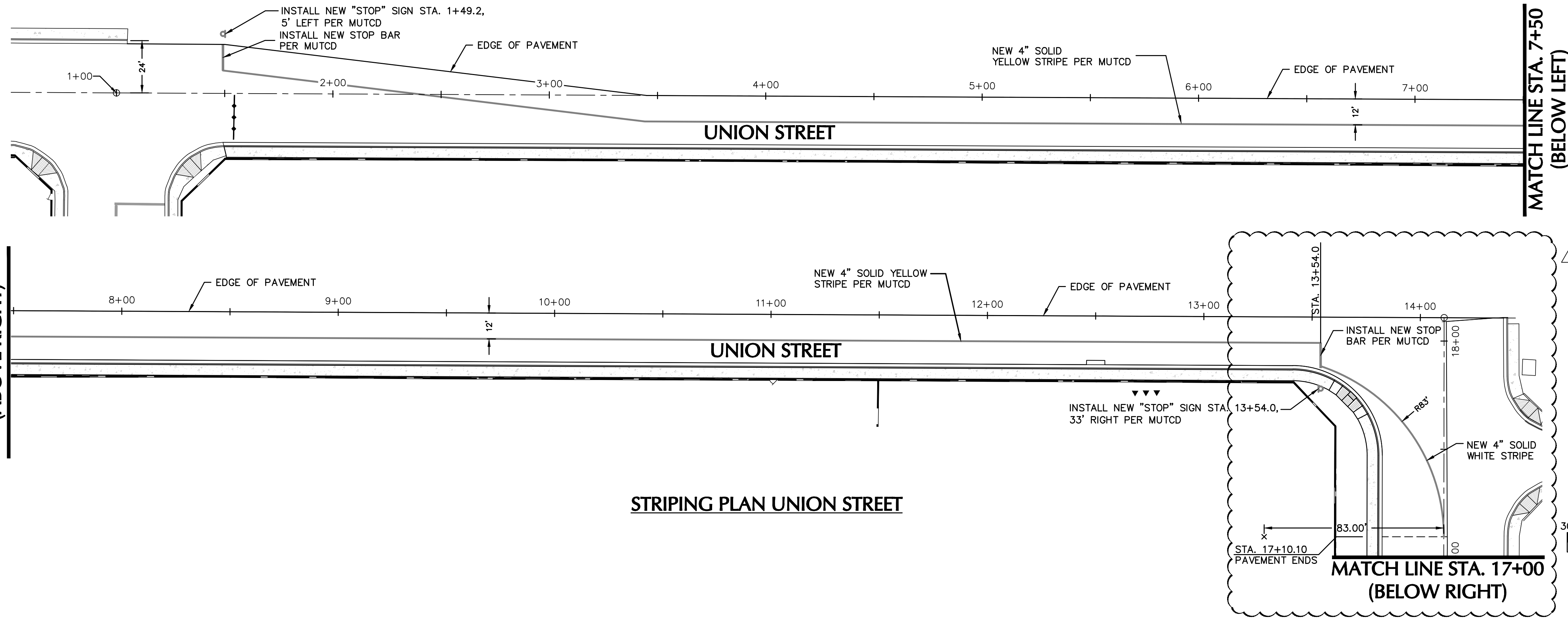
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 DATE: MARCH, 2018  
 DES. BY: MAC  
 DRAWN BY: C.B.  
 SURVEYED BY: JM  
 JOB No.: 017-0043  
 SHEET 8 OF 11

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

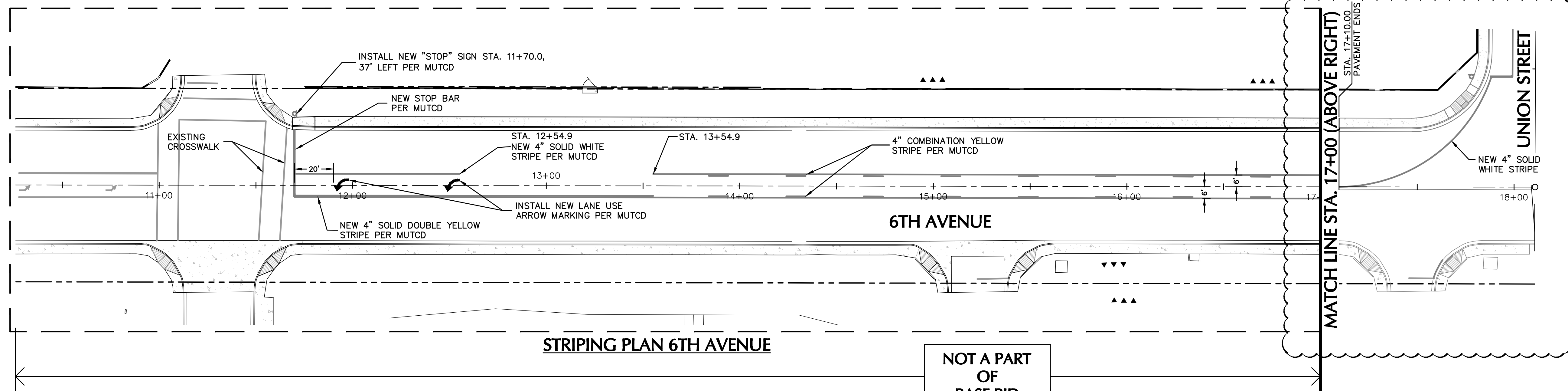
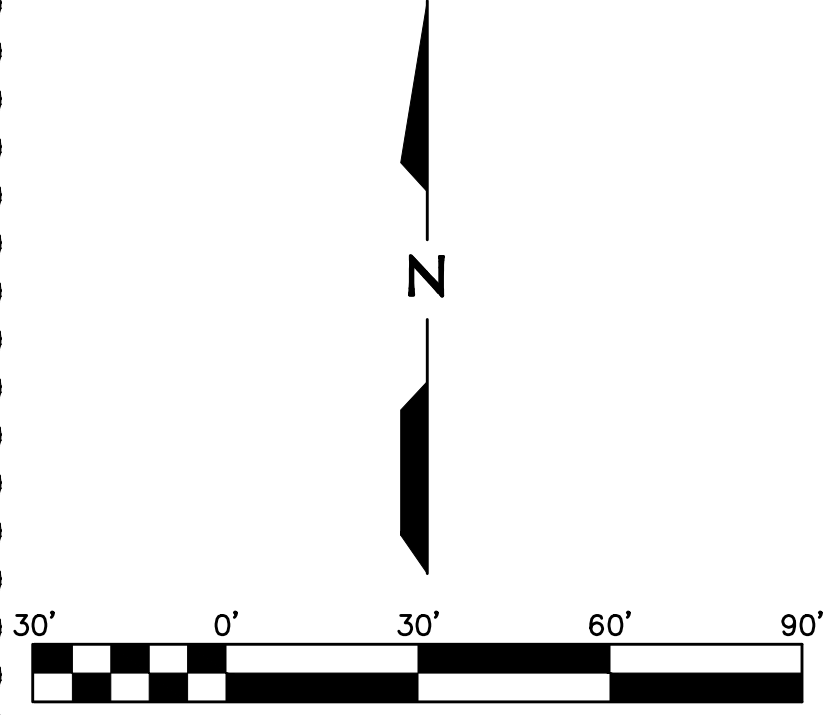
**C-4**

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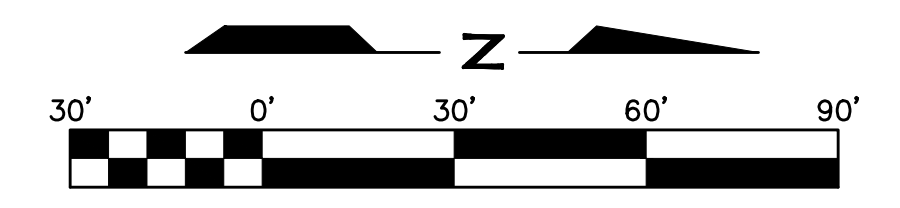


STRIPING PLAN UNION STREET



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.



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

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

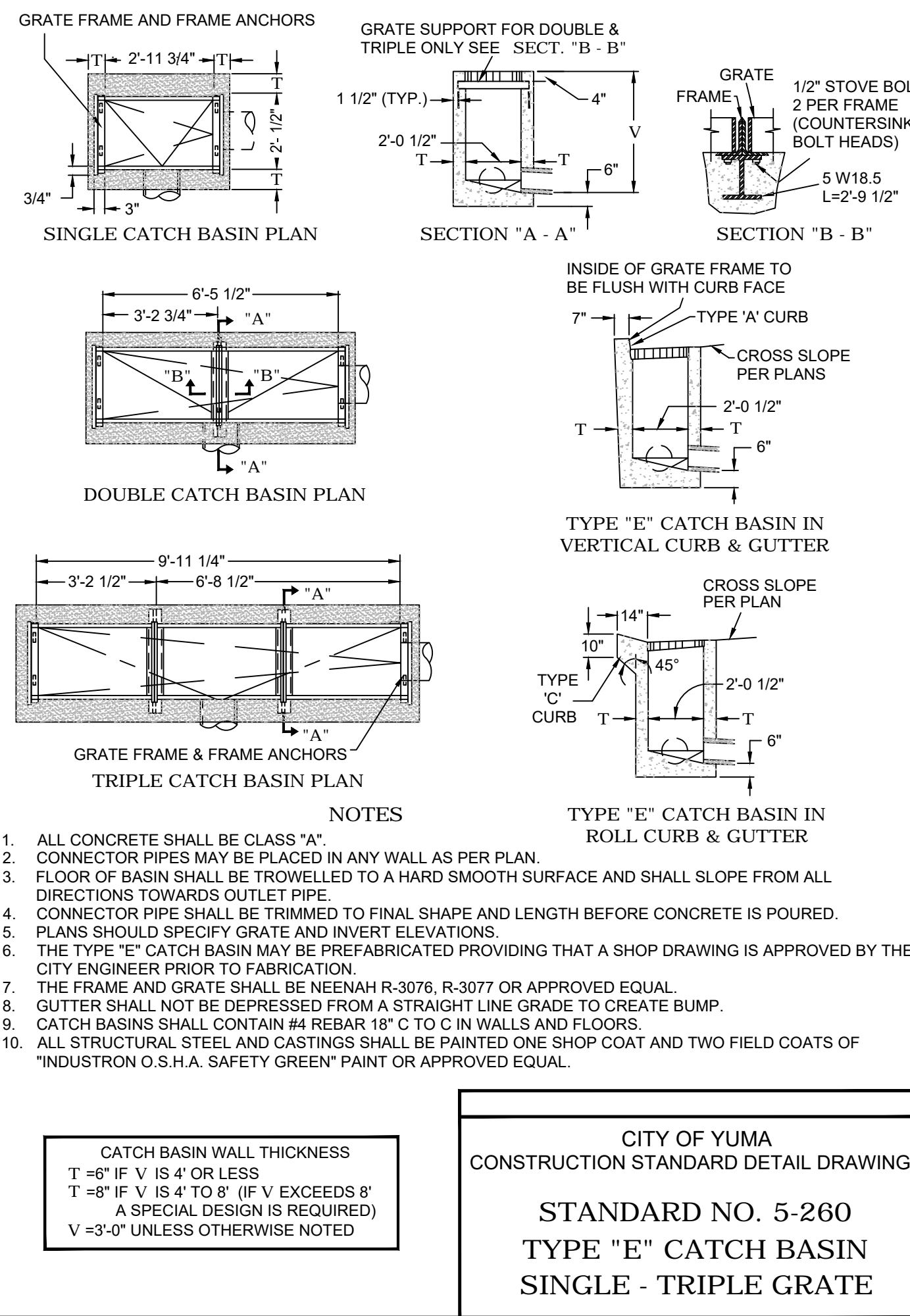
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DATE: MARCH, 2018  
DES. BY: MAC  
DRAWN BY: STAFF  
SURVEYED BY: JM  
JOB. No.: 017-0043  
SHEET 9 OF 11

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

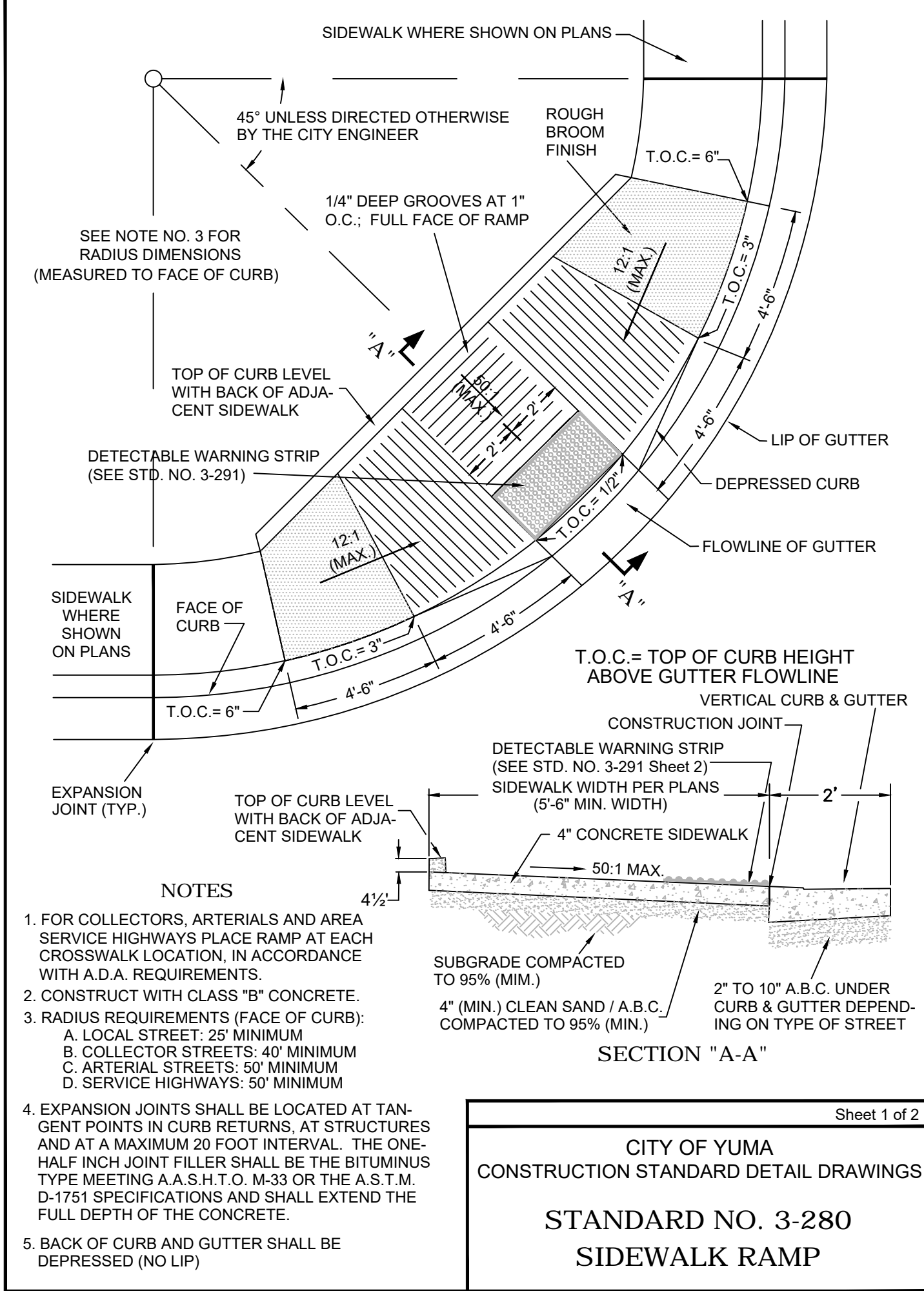
**C-5**

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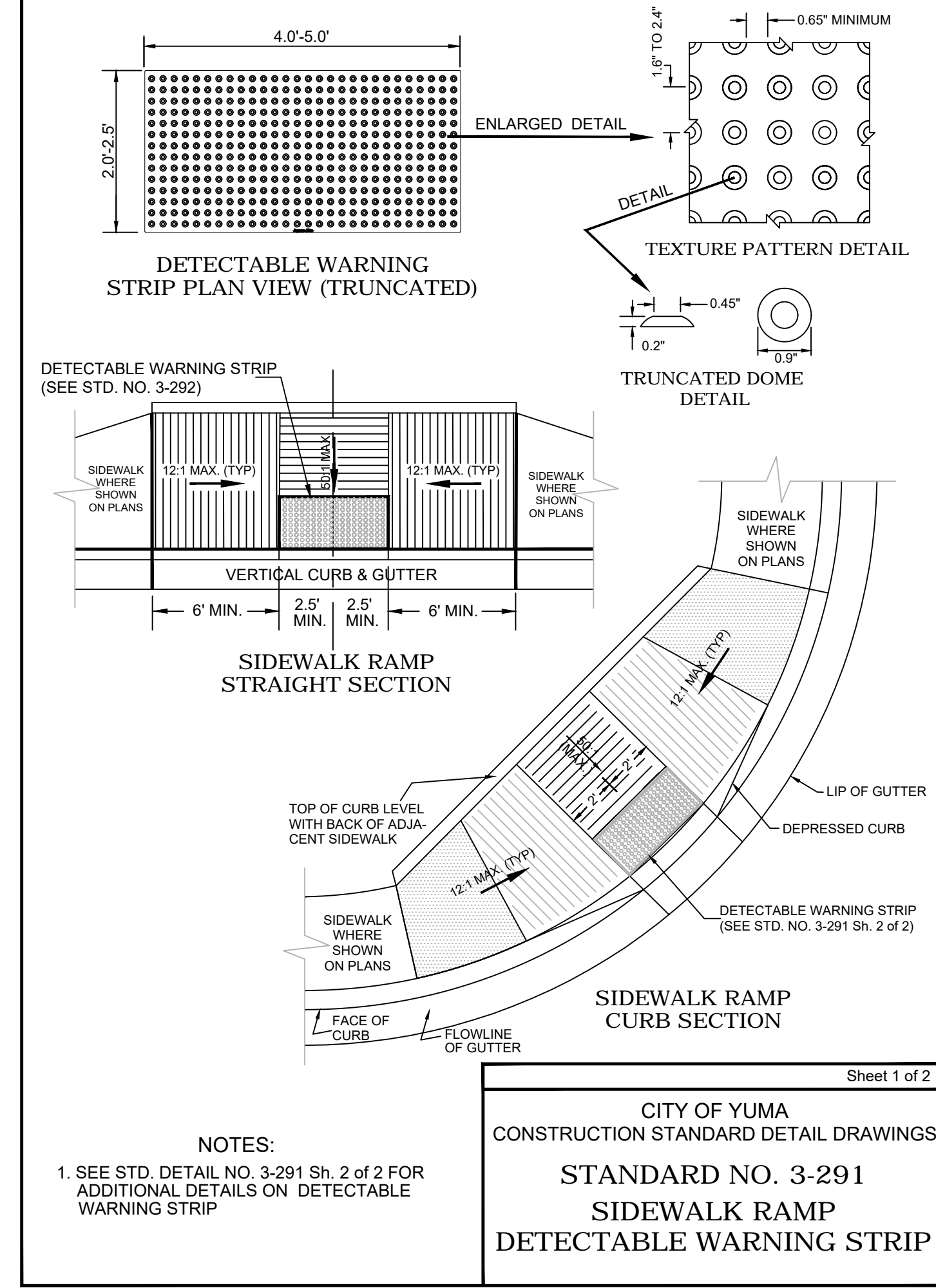
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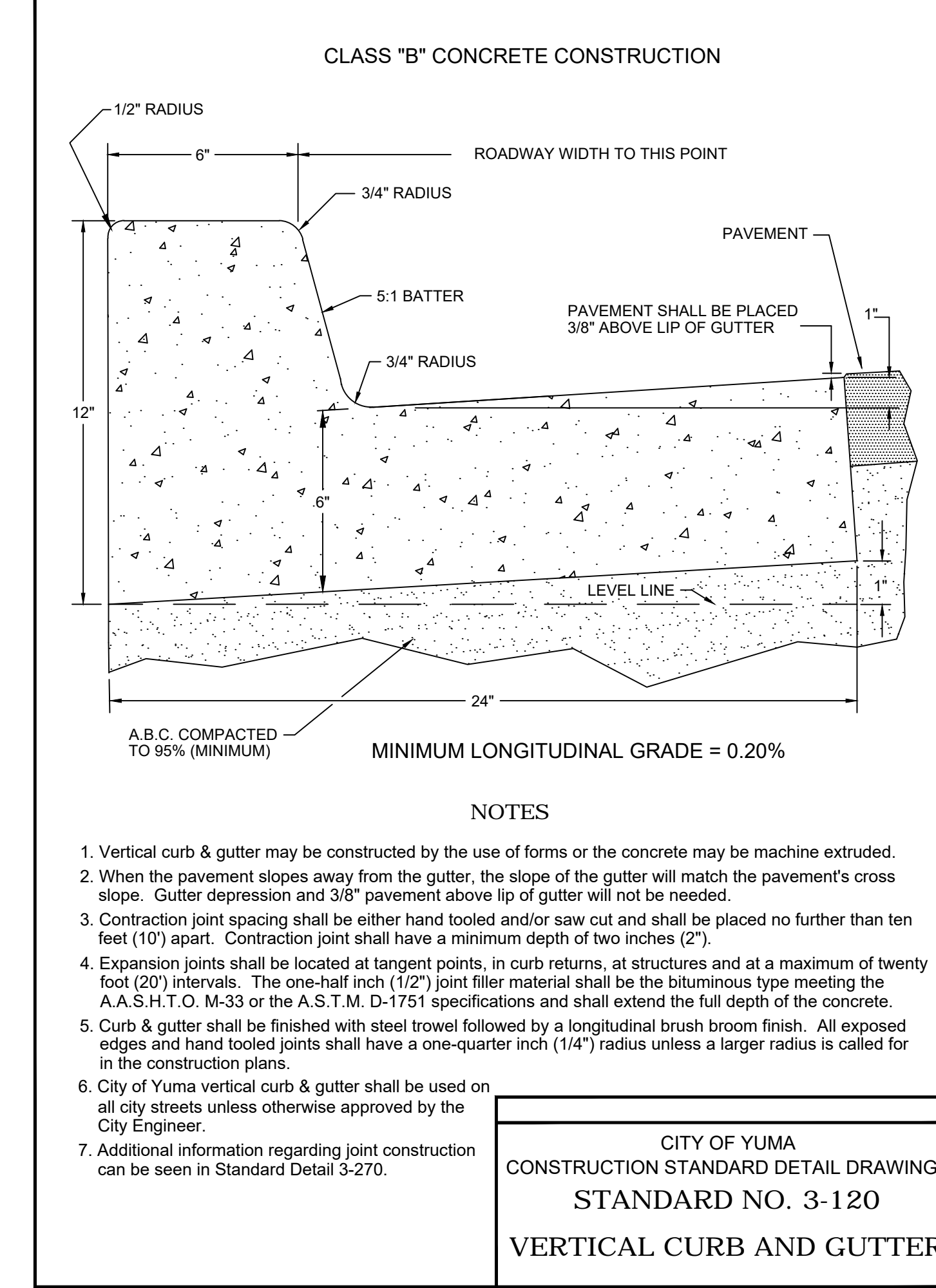
**TYPE "E" CATCH BASIN** A  
CITY OF YUMA STD. NO. 5-260 NTS C-6



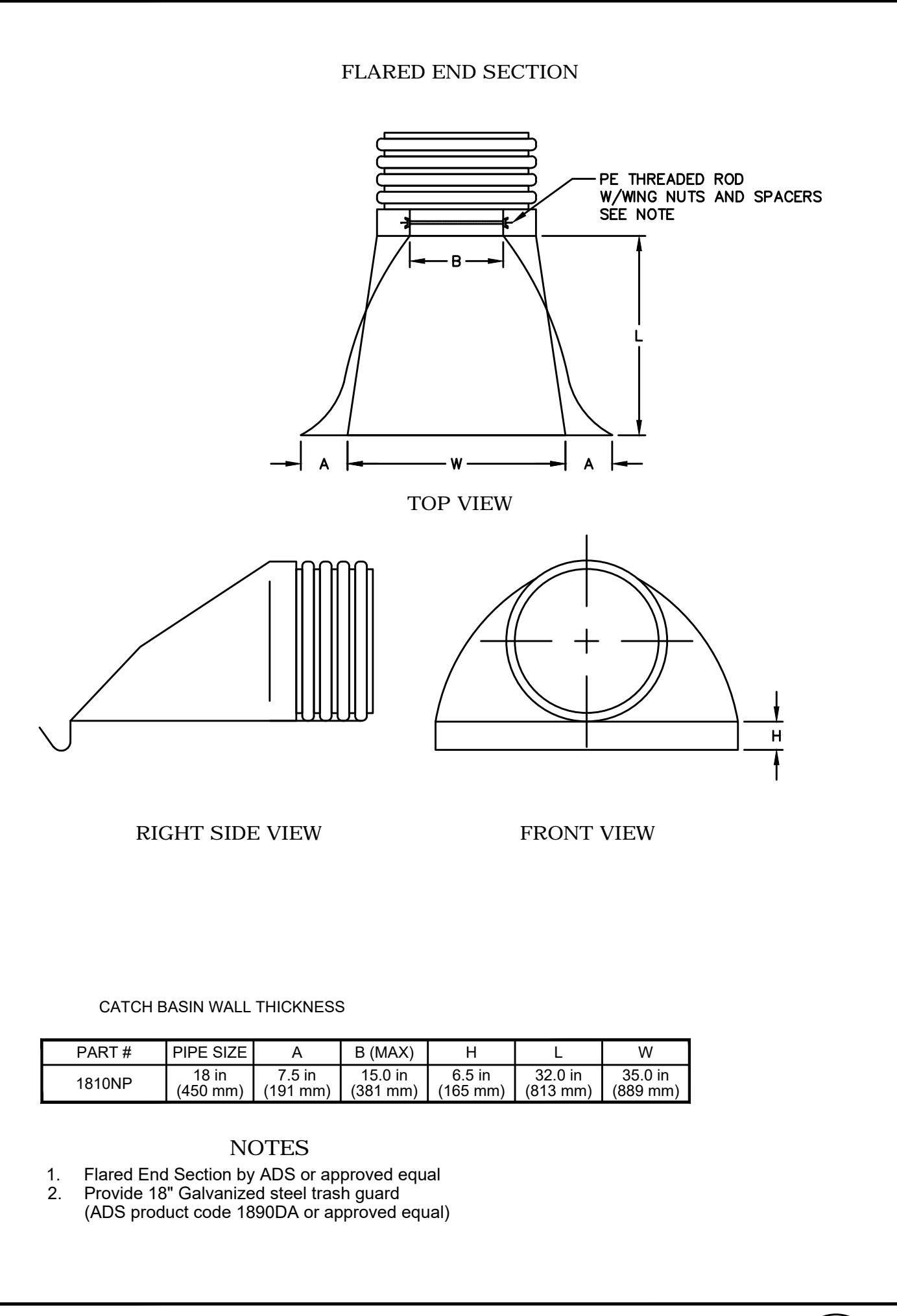
**SIDEWALK RAMP** B  
CITY OF YUMA STD. NO. 3-280 NTS C-6



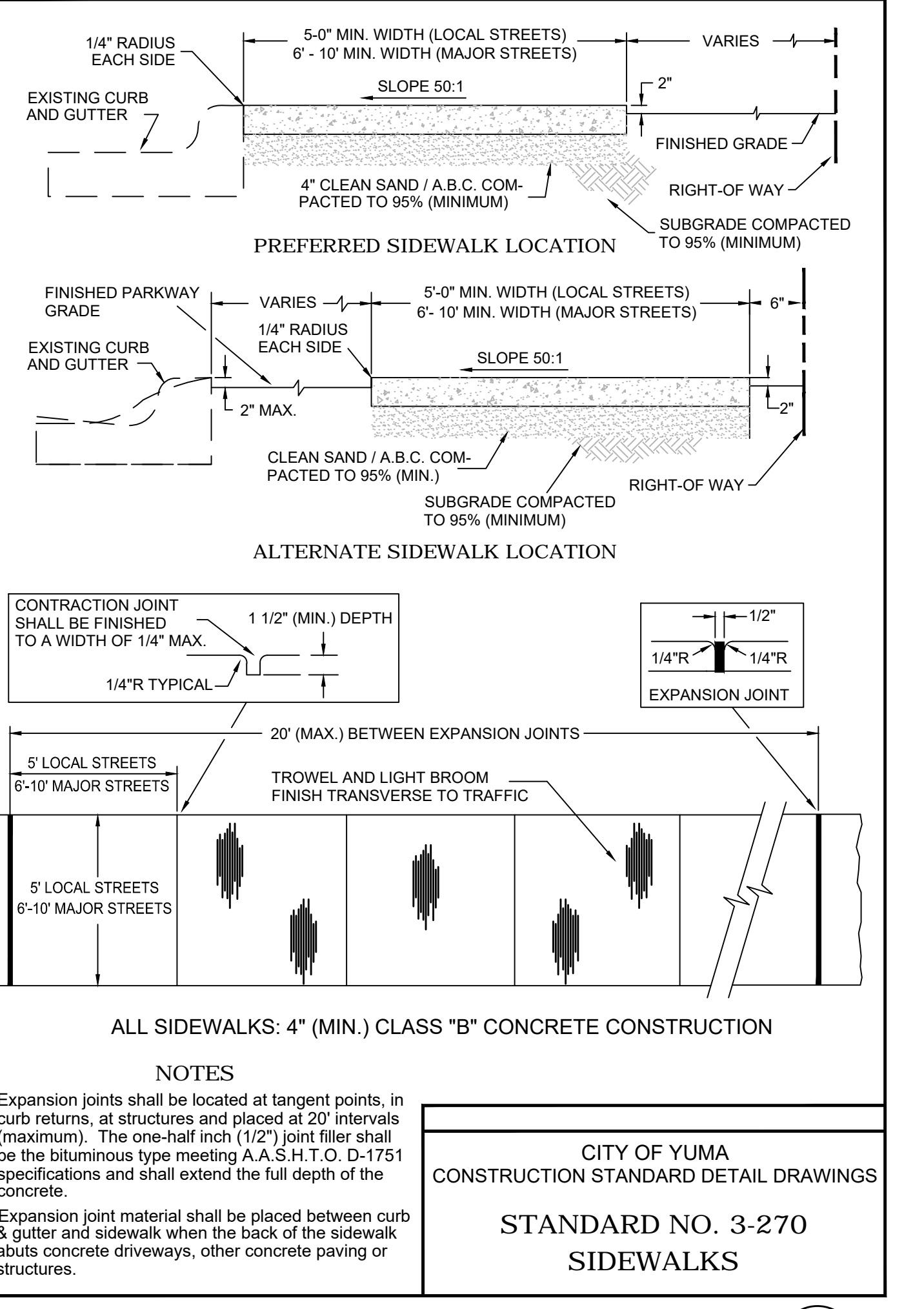
**SIDEWALK RAMP DETECTABLE WARNING STRIP** C  
CITY OF YUMA STD. NO. 3-291 NTS C-6



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



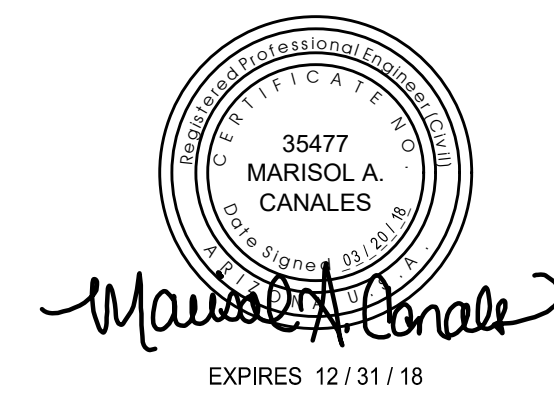
**HDPE PIPE END SECTION** E  
CITY OF YUMA STD. NO. 3-270 NTS C-6



**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.



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

**DETAILS AND GENERAL NOTES**

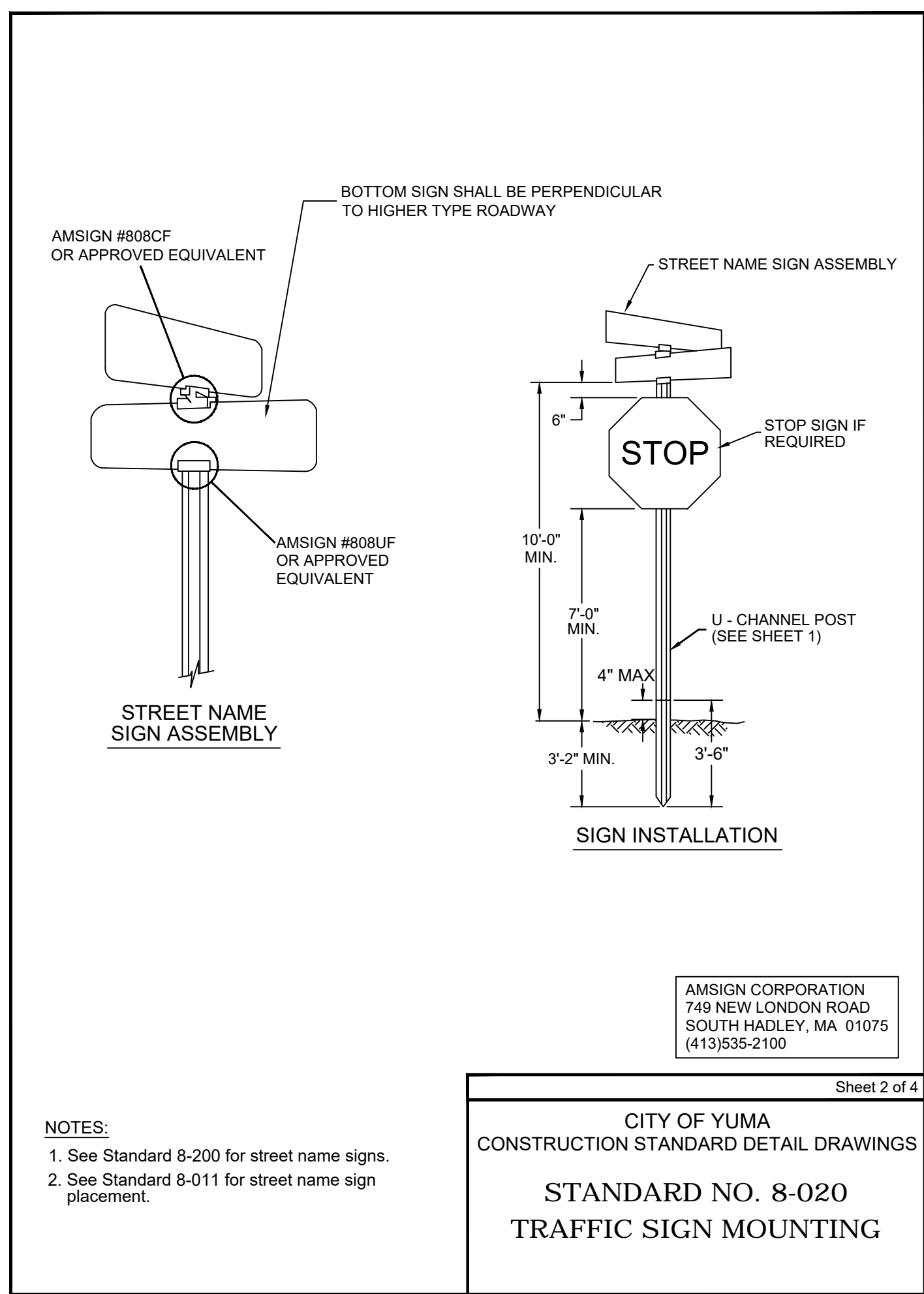
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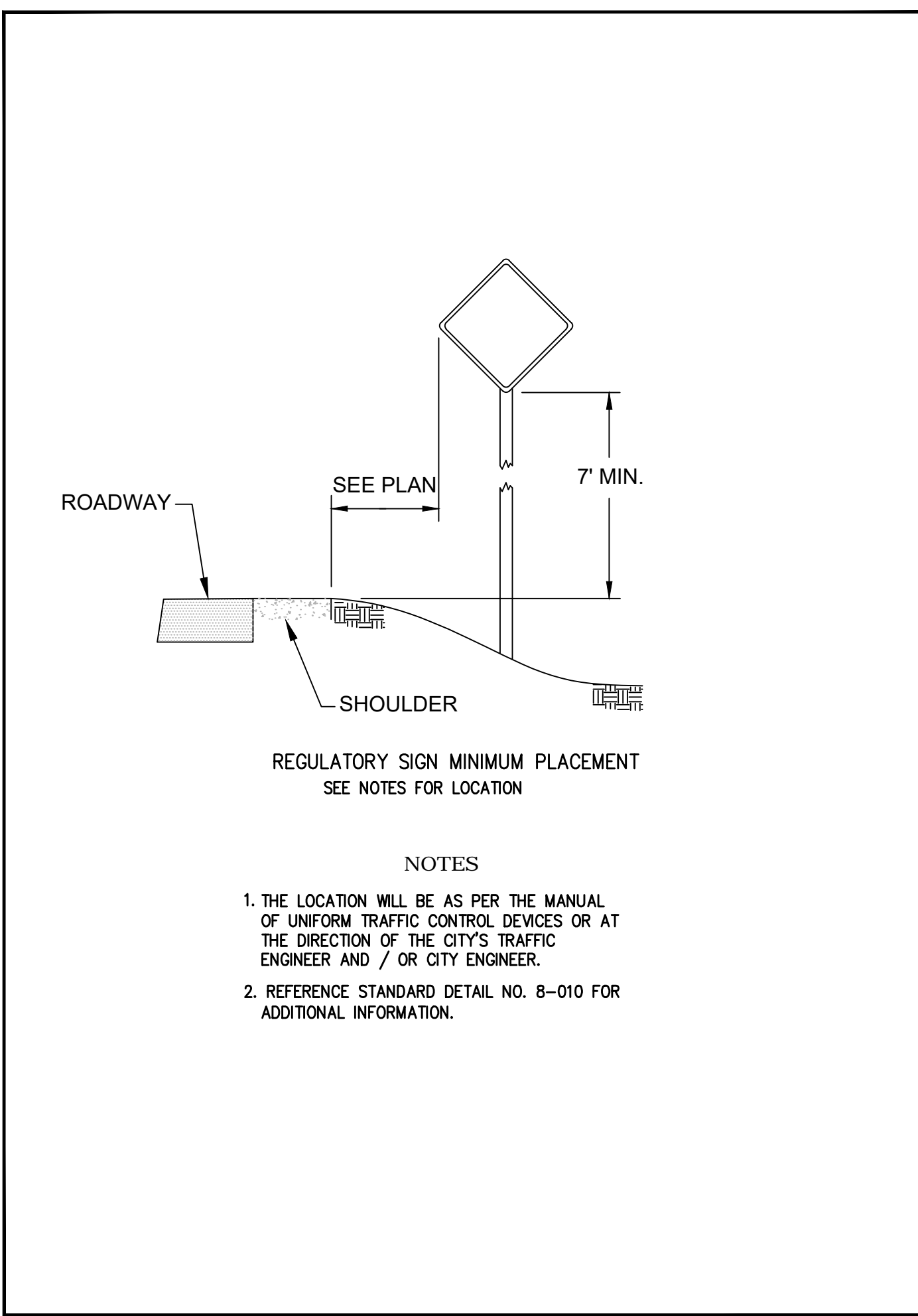
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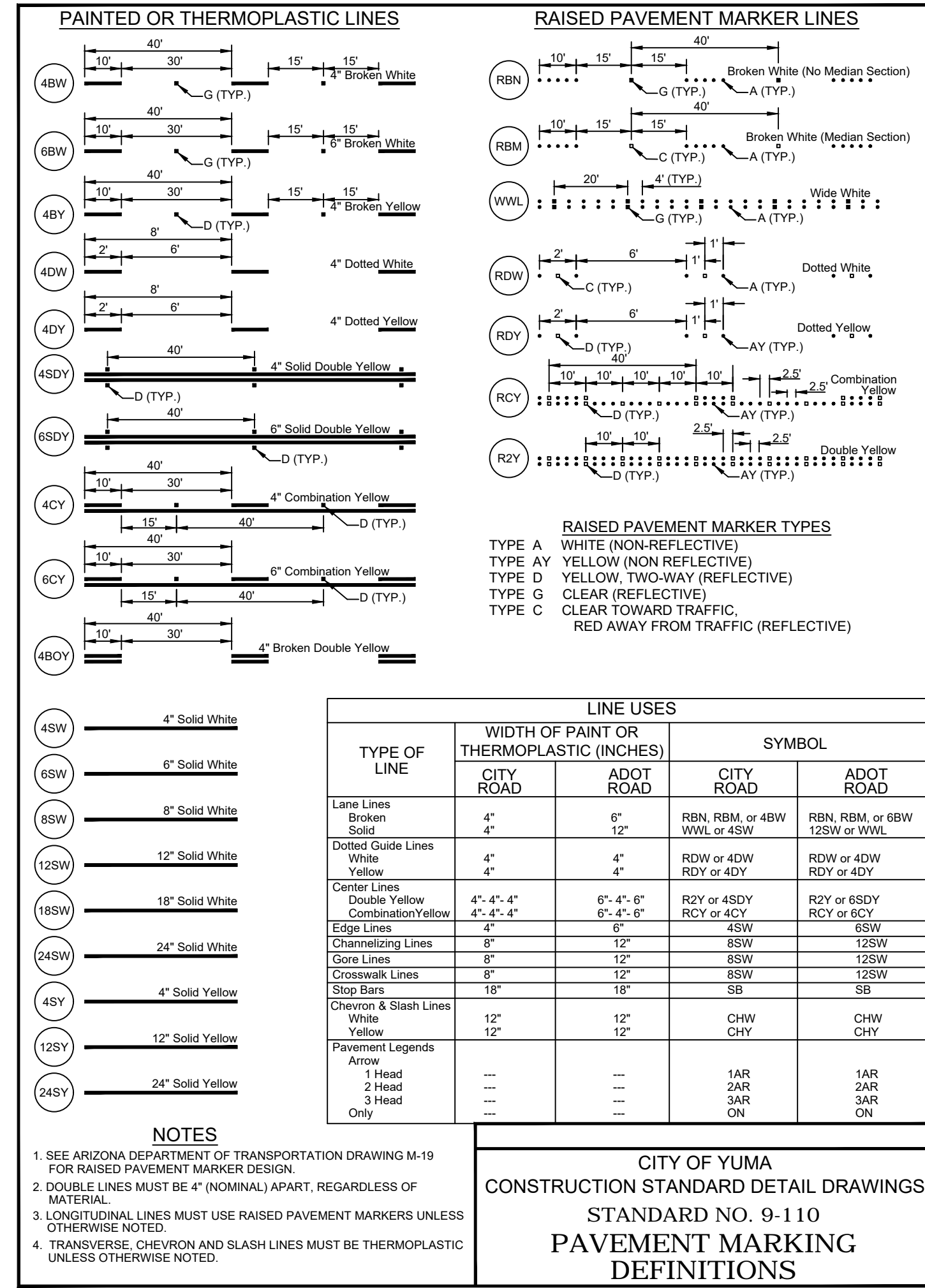
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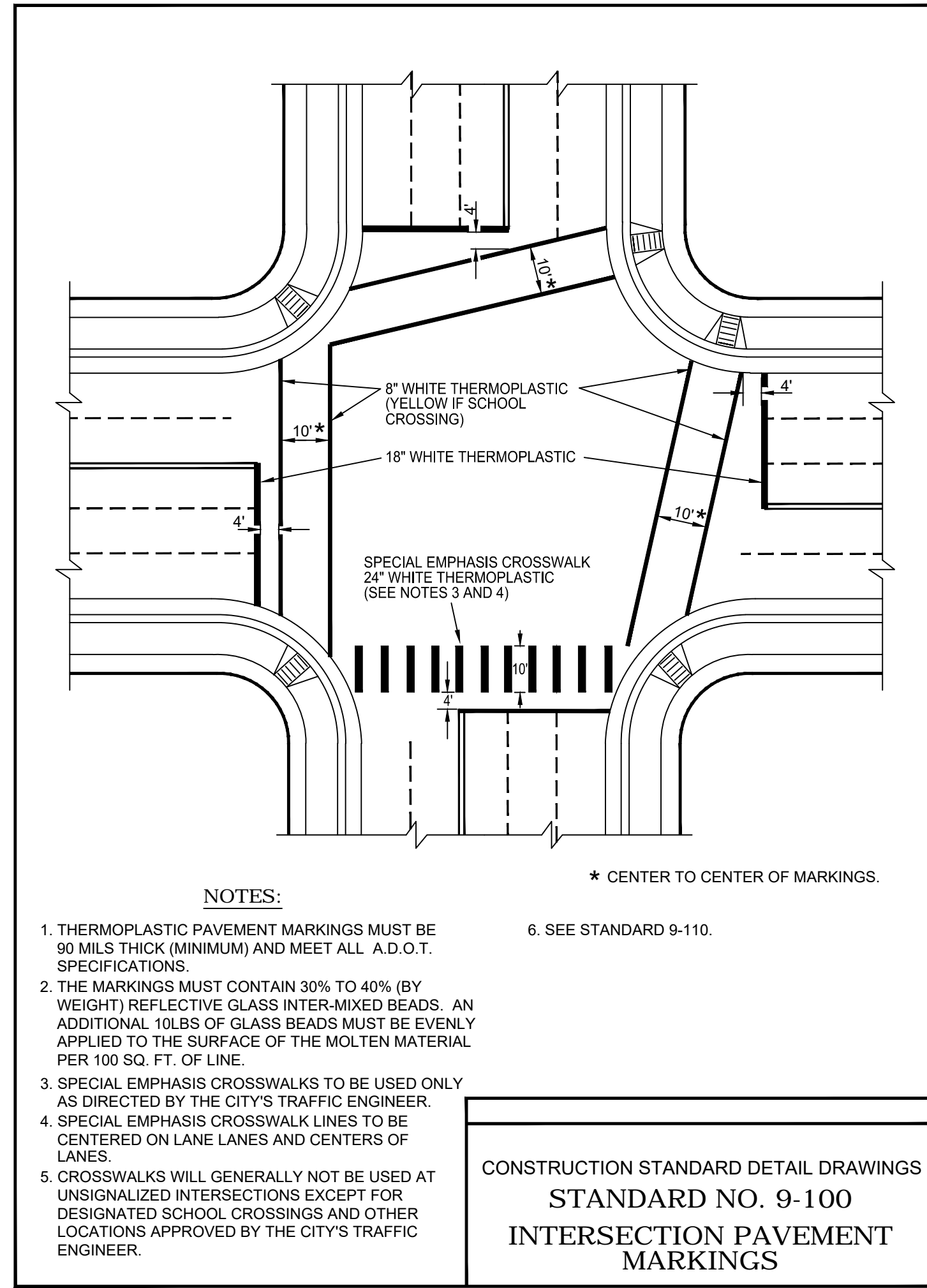
**DOUBLE FACED STREET SIGN-STOP SIGN**  
CITY OF YUMA STD. NO. 8-020



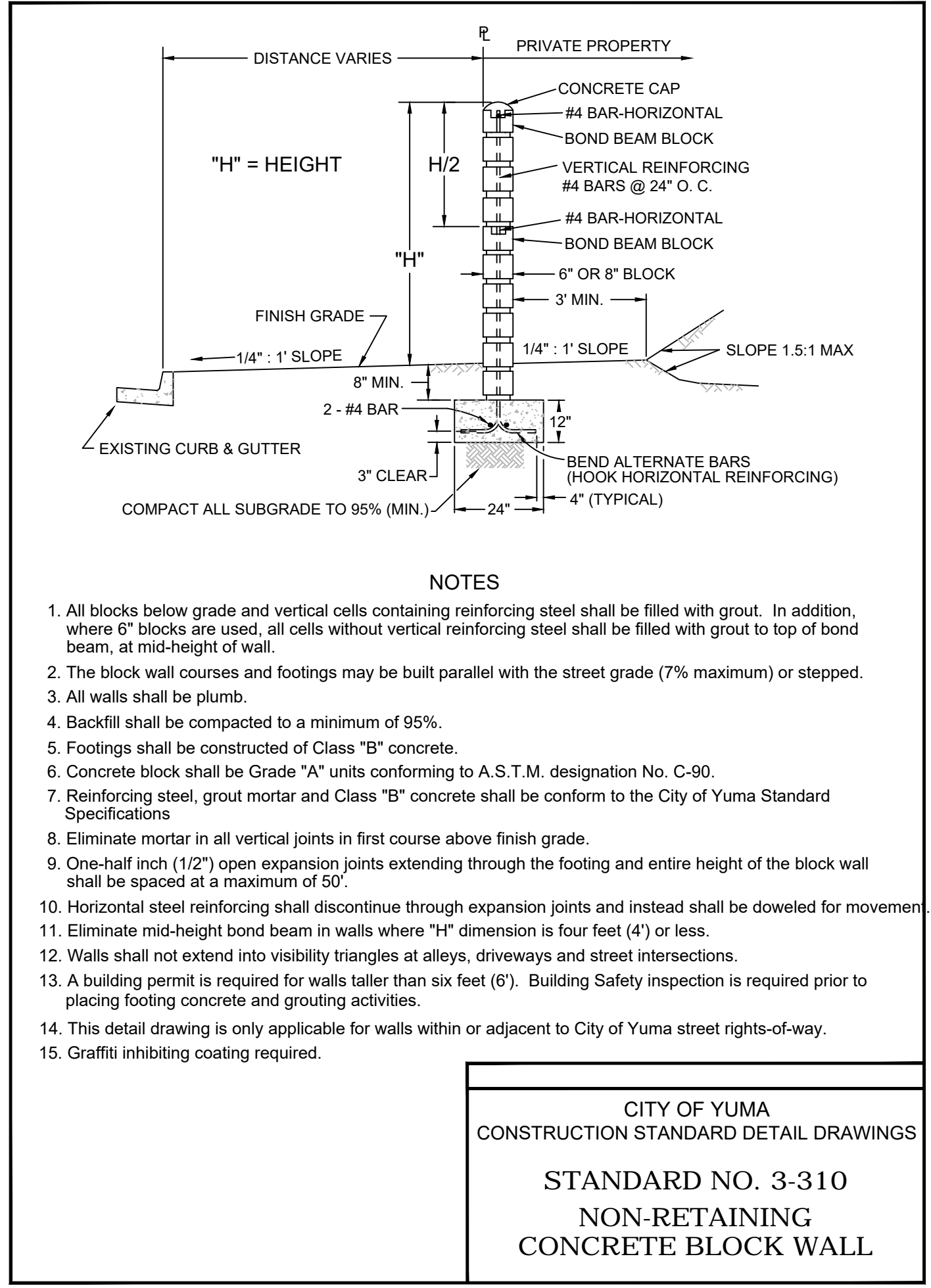
**ROADSIDE SIGN, SHOULDER-NO CURB**  
CITY OF YUMA STD. NO. 8-010



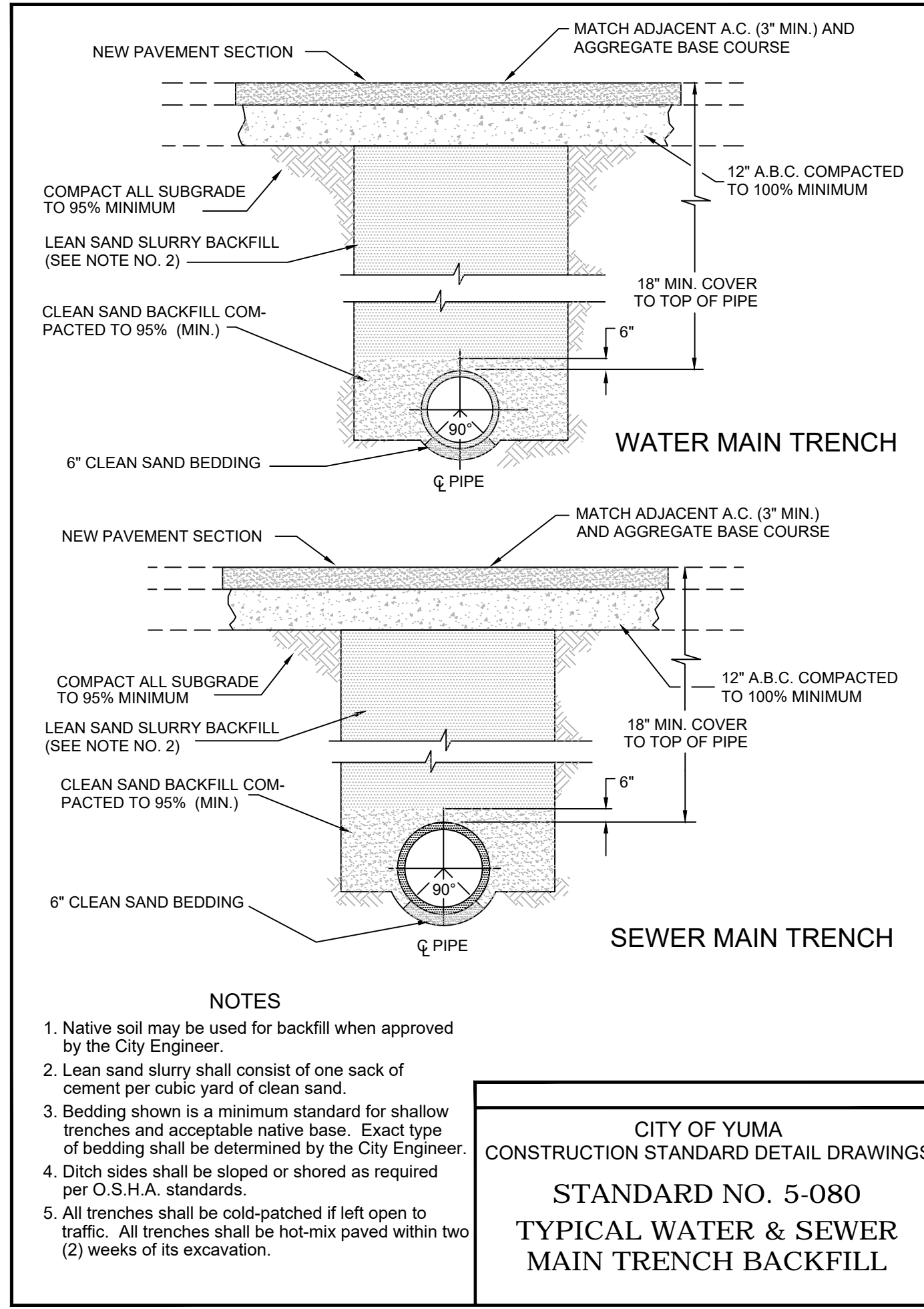
**PAVEMENT MARKINGS**  
CITY OF YUMA STD. NO. 9-110



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



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



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

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Professional Engineer  
35477  
MARISOL A. CANALES  
Expires 12/31/18  
*Marisol A. Canales*

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

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**C-7**