



CITY OF SEDONA

SR 179 PEDESTRIAN CROSSING AT OAK CREEK

LOCATED IN A PORTION OF SECTION 07, TOWNSHIP 17 NORTH,
RANGE 6 EAST, GILA AND SALT RIVER MERIDIAN,
COCONINO COUNTY, ARIZONA.

CONTACT INFORMATION

OWNER: CITY OF SEDONA
102 ROADRUNNER DRIVE
SEDONA, ARIZONA 86336
(928) 204-7111
J. ANDY DICKEY, P.E.
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

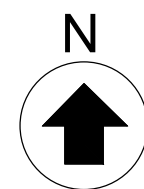
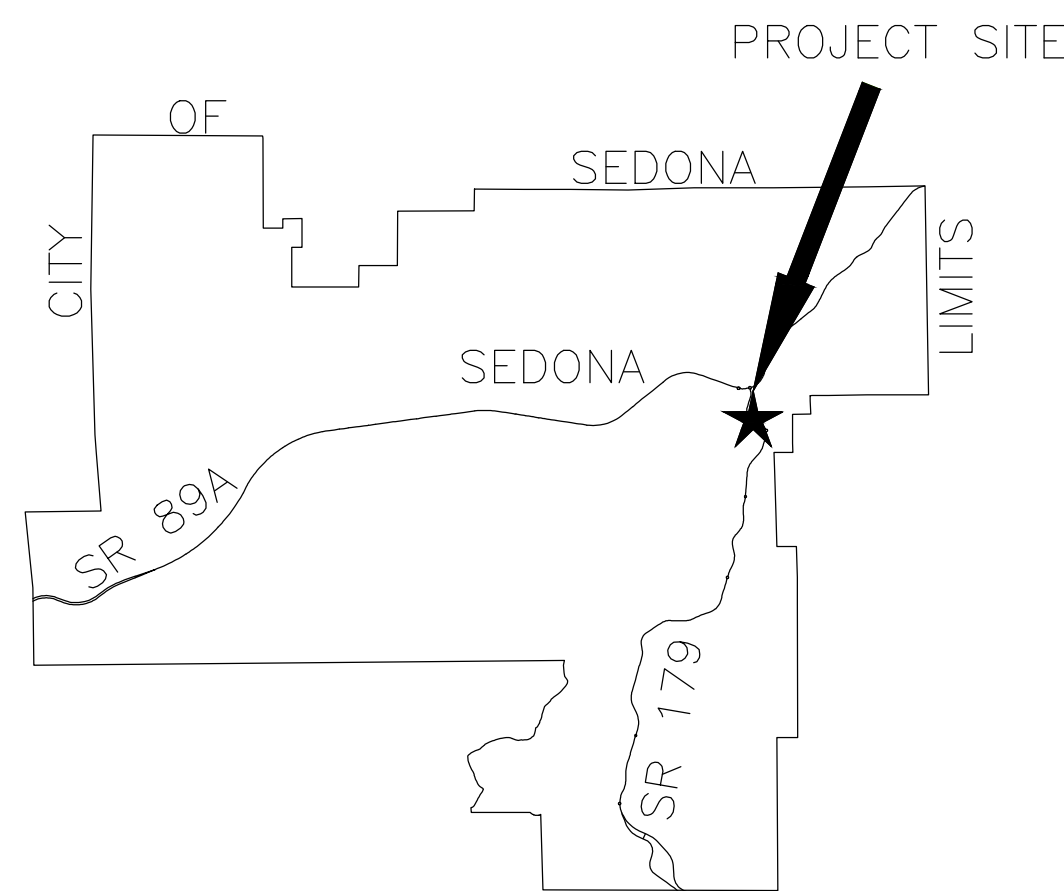
MAYOR: SCOTT JABLOW

VICE MAYOR: HOLLI PLOOG

CITY COUNCIL: MELISSA DUNN
BRIAN FULTZ
PETE FURMAN
KATHY KINSELLA
JESSICA WILLIAMSON

CITY MANAGER: KAREN OSBURN

ENGINEER: WSP USA
1230 W. WASHINGTON ST, SUITE 405
TEMPE, AZ 85281
(480) 449-4949
ANGIE GALIETTI, P.E.



KEY MAP
NTS

LEGEND

- 10 AND 100 YEAR FLOOD PLAIN ELEV
- EXISTING RIGHT OF WAY
- EXISTING EDGE OF PAVEMENT
- EXISTING STRIPING
- W--- EXISTING WATER LINES
- E--- EXISTING UNDERGROUND POWER
- G--- EXISTING GAS
- SS--- EXISTING SEWER
- T--- EXISTING TELEPHONE
- CTV--- EXISTING CABLE TELEVISION
- SD--- EXISTING STORM DRAIN
- SSL--- EXISTING SEDONA SANITARY SEWER
- SL--- EXISTING STREET LIGHT LINE
- EXISTING PROPERTY WALL
- RETAINING WALL
- PEDESTRIAN HANDRAIL
- CONCRETE SIDEWALK
- NEW RIGHT OF WAY
- TCE
- PAVEMENT CENTER LINE OR MONUMENT LINE
- EXISTING SIGN
- EXISTING LIGHT POLE
- EXISTING TREE TRUNKS

SHEET INDEX

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5	C5	QUANTITY SUMMARY SHEET
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35	T1	SIGNING GENERAL NOTES
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39	T5	SIGNING PLAN SHEET
40	T6	LIGHTING GENERAL NOTES SHEET
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42-43	U1-U2	ARIZONA WATER COMPANY STANDARD DETAIL SHEETS
44-45	BA1-BA2	BID ALTERNATIVE 1 WATERWHEEL DETAILS

APPROVALS

APPROVED: 2/15/23
DATE

J. ANDY DICKEY, P.E.
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

NOTICE OF EXTENDED PAYMENT PROVISION

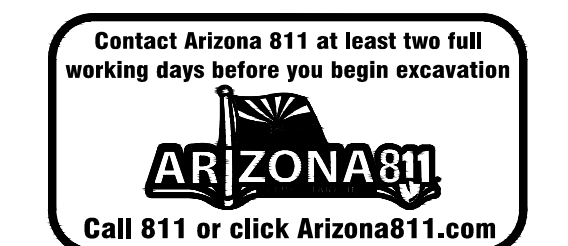
(PER ARS 32-1129.01) THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVAL OF BILLINGS AND ESTIMATES FOR PROGRESS PAYMENTS, WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVAL OF BILLINGS AND ESTIMATES FOR RELEASE OF RETENTION AND WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVAL OF BILLINGS AND ESTIMATES FOR FINAL PAYMENT.

RECORD DRAWING STATEMENT

I, _____ HEREBY STATE BASED ON MY FIELD OBSERVATION AND INFORMATION PROVIDED BY THE GENERAL CONTRACTOR AND OTHERS, THAT THE WORK ON SHEETS 1 THROUGH _____, MARKED AS "RECORD DRAWING" HAS BEEN CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THESE CONSTRUCTION PLANS, SPECIFICATIONS, INCLUDING CHANGES AND REVISIONS.

REGISTERED LAND SURVEYOR/ENGINEER DATE

REGISTRATION NUMBER EXPIRATION DATE



UTILITY COORDINATION BLOCK

<input type="checkbox"/> ARIZONA PUBLIC SERVICE	MATTHEW HERRERA COMPANY REPRESENTATIVE CONTACTED	RECEIVED: <u>09/12/2022</u>
<input type="checkbox"/> ARIZONA WATER COMPANY	CASEY GOFF COMPANY REPRESENTATIVE CONTACTED	RECEIVED: <u>09/08/2022</u>
<input type="checkbox"/> CENTURY LINK	ARMEN MCNERLIN COMPANY REPRESENTATIVE CONTACTED	RECEIVED: <u>07/27/2022</u>
<input type="checkbox"/> NPG CABLE, LLC	SANFORD YAZZIE COMPANY REPRESENTATIVE CONTACTED	RECEIVED: <u>08/31/2022</u>
<input type="checkbox"/> UNISOURCE ENERGY SERV.	TAYLOR MATHE COMPANY REPRESENTATIVE CONTACTED	RECEIVED: <u>01/19/2022</u>
<input type="checkbox"/> CITY OF SEDONA	ROBERT WELCH COMPANY REPRESENTATIVE CONTACTED	RECEIVED: <u>08/30/2022</u>

Symbol	Revisions	Date	Appr.	Designed by:	Date:	 WSP USA Inc. 1230 W. Washington St. Suite 405 Tempe, AZ 85281	 CITY OF SEDONA PUBLIC WORKS DEPARTMENT 102 ROADRUNNER DRIVE SEDONA, ARIZONA 86336 928-204-7111	SR 179 PEDESTRIAN CROSSING AT OAK CREEK SEDONA ARIZONA		SHEET ID	
				JI	02/20/2023					C1	
				CPG	NOT TO SCALE					SHEET NO.	OF
				JKF	CIVIL					1	45

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH CONTRACT SPECIAL PROVISIONS AND DETAILS, CITY OF SEDONA SUPPLEMENTS TO MAG STANDARD SPECIFICATIONS AND DETAILS (CITY CODE TITLE 12.05.110), AND MAG STANDARD SPECIFICATIONS AND DETAILS, IN THAT ORDER OF PRECEDENCE, AT THE TIME OF CONSTRUCTION BID.
- FACILITIES WHICH ARE NOT SPECIFICALLY LOCATED WITH ACTUAL VERTICAL AND HORIZONTAL CONTROLS, ARE LOCATED ONLY APPROXIMATELY AND TO THE BEST AVAILABLE INFORMATION PROVIDED BY VARIOUS OWNERS OF THE FACILITIES, AND SUPPLEMENTED BY VISUAL SURFACE INFORMATION WHERE APPROPRIATE. ACCURACY, LOCATION AND COMPLETENESS OF THIS INFORMATION SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO INITIATION OF CONSTRUCTION.
- TWO WORKING DAYS BEFORE CONSTRUCTION, THE CONTRACTOR SHALL CONTACT BLUESTAKE TO FIND AND FLAG UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CONTACT OTHER APPROPRIATE UTILITIES DIRECTLY IF THEY ARE NOT ON BLUESTAKE SYSTEM.
- UNLESS OTHERWISE NOTED, STATIONS SHOWN ON PIPE PROFILES ARE ALONG CENTERLINE OF PIPE.
- ALL EXISTING DRIVEWAYS AND ALL EXISTING ALLEYS SHALL BE GRADED TO MATCH THE NEW WORK IN ACCORDANCE WITH STD. DETAIL P-1164, UNLESS OTHERWISE SPECIFIED. EXISTING SURFACING SHALL BE REMOVED AND REPLACED AS NECESSARY.
- UNLESS OTHERWISE PROVIDED ON THE PLANS, EXISTING A.C. OR P.C.C. DRIVEWAYS AND SIDEWALKS WHICH FALL WITHIN OR ABUT THE RIGHT OF WAY SHALL BE CONNECTED TO THE NEW WORK AS FOLLOWS:

THE SPACE BETWEEN THE BACK OF NEW DRIVEWAY ENTRANCES AND EXISTING A.C. DRIVEWAYS SHALL BE FILLED WITH A MINIMUM OF 3" A.C.S.C. ON 100% COMPACTED NATIVE SOIL. WHERE EXISTING PAVEMENT AND BASE THICKNESS EXCEED THE MINIMUMS, MATCH THE EXISTING.

THE SPACE BETWEEN THE BACK OF NEW SIDEWALKS AND EXISTING PRIVATE SIDEWALKS, AND THE SPACE BETWEEN THE BACK OF NEW DRIVEWAY ENTRANCES AND EXISTING P.C.C. DRIVEWAYS SHALL BE FILLED WITH P.C.C.. THE THICKNESS AND CLASS SHALL MATCH THAT OF THE NEW SIDEWALK OR DRIVEWAY ENTRANCE.

UNLESS OTHERWISE PROVIDED ON THE PLANS, THE SPACE BETWEEN THE BACK OF THE NEW SIDEWALKS, AND EXISTING A.C. PARKING LOTS, WHICH FALL WITHIN OR ABUT THE R/W SHALL BE FILLED WITH 2" A.C.S.C. ON 100% COMPACTED NATIVE SOIL.
- ALL QUANTITIES SHOWN ARE APPROXIMATE AND ARE FURNISHED SOLELY FOR THE CONTRACTOR'S CONVENIENCE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACTUAL QUANTITIES OF WORK REQUIRED AND BASE HIS BID ON HIS OWN INDEPENDENT ESTIMATE OF THE WORK SCOPE AND QUANTITIES OF MATERIALS REQUIRED. THEY DO NOT NECESSARILY CORRESPOND TO BID SCHEDULE ITEMS. PAYMENT WILL BE BASED ON BID SCHEDULE ITEMS. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR INDEPENDENTLY ESTIMATING QUANTITIES PRIOR TO BIDDING. THE CONTRACTOR REPRESENTS THAT THE TOTAL CONTRACT SUM IS ADEQUATE COMPENSATION FOR COMPLETING THE ENTIRE PROJECT AS SHOWN ON THE PLANS.
- THE LOCATION OF EXISTING FEATURES INDICATED ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR MAKING COMPLETE AND ACCURATE ON-SITE DETERMINATIONS OF THE LOCATIONS OF ALL UTILITIES, STRUCTURES AND FIELD CONDITIONS, WHICH MAY AFFECT THE PROGRESS OF THE WORK.
- THESE PLANS ARE SUBJECT TO THE INTERPRETATION OF INTENT BY THE ENGINEER. ALL QUESTIONS REGARDING THESE PLANS SHALL BE DIRECTED TO THE ENGINEER. ANY INTERPRETATION OF THE PLANS BY ANYONE OTHER THAN THE ENGINEER SHALL BE RESPONSIBLE FOR AND CONSEQUENCES THEREOF.

- ADEQUATE DRAINAGE OF THE CONSTRUCTION AREA SHALL BE PROVIDED AT ALL TIMES. CONSTRUCTION DRAINS SHALL BE PROVIDED AS NEEDED TO ENABLE WATER TO DRAIN FROM THE CONSTRUCTION AREA WITHOUT DAMAGING THE WORK IN PROGRESS. TO FURTHER PROMOTE ADEQUATE DRAINAGE OF THE SITE, AND DRAINAGE INFRASTRUCTURE SHALL BE CONSTRUCTED FROM DOWNSTREAM TO UPSTREAM IN SUCH A WAY THAT DURING CONSTRUCTION THEY DO NOT IMPEDE THE FLOW OF WATER FROM THE CONSTRUCTION AREA.

DAMAGE TO ADJACENT PROPERTIES OR TO ANY PORTION OF THE WORK CAUSED BY THE CONTRACTOR'S FAILURE TO PROVIDE ADEQUATE DRAINAGE OF THE CONSTRUCTION SITE OR TO ORDER THE WORK SO AS TO MINIMIZE THE POSSIBLE EXTENT OF SUCH DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- EXACT POINT OF MATCHING AND TERMINATION OF IMPROVEMENTS MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER IF NECESSARY.
- ELEVATIONS SHOWN ON THE PLANS ARE TO FINISHED GRADE, UNLESS OTHERWISE NOTED OR SPECIFIED.
- A SET OF SIGNED APPROVED CONSTRUCTION DOCUMENTS WILL BE KEPT DURING WORK HOURS AT THE JOB SITE ON WHICH ALL CHANGES OR VARIATIONS IN THE WORK, INCLUDING ALL EXISTING UTILITIES, ARE TO BE RECORDED AND/OR CORRECTED DAILY AND SUBMITTED TO THE CITY ENGINEER WHEN THE WORK IS COMPLETED.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN SUFFICIENT BARRICADES TO PROVIDE FOR THE SAFETY OF THE GENERAL PUBLIC TO THE SATISFACTION OF THE CITY ENGINEER.
- ALL MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION THE CONTRACTOR SHALL COORDINATE WORK WITH ALL UTILITY COMPANIES AND ADJACENT PROPERTY OWNERS.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF THERE ARE ANY DISCREPANCIES ON THESE PLANS THAT COME TO HIS ATTENTION PRIOR TO OR DURING CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ACCESS AT ALL TIMES. RESTRICTED PARKING IS TO BE LIMITED TO THE IMMEDIATE WORK AREA ONLY. ALL OTHER PARKING IS TO REMAIN OPEN AT ALL TIMES.
- THE CONTRACTOR IS RESPONSIBLE FOR SECURING A STAGING AND EQUIPMENT STORAGE AREA.
- NO CONTRACTOR ON-SITE OFFICE IS REQUIRED. CONTRACTOR TO PROVIDE THE REQUIRED EMERGENCY CONTACTS.
- ANY WORK PERFORMED WITHOUT THE KNOWLEDGE AND APPROVAL OF THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- THE CITY ENGINEER MAY ORDER ANY OR ALL MATERIALS USED IN THE WORK TO BE TESTED ACCORDING TO THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) AND THE AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) STANDARDS. THE CONTRACTOR SHALL, AT HIS EXPENSE, SUPPLY ALL SAMPLES REQUIRED FOR TESTING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE STREETS AND OF PARTIALLY COMPLETED PORTIONS OF THE WORK UNTIL FINAL ACCEPTANCE OF THE WORK. THE CONTRACTOR SHALL SUBMIT TO THE CITY ENGINEER FOR APPROVAL A CONSTRUCTION SCHEDULE FOR ANY STREETS REQUIRED TO BE CLOSED OR PARTIALLY CLOSED FOR THE CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL REOPEN THE STREETS NO LATER THAN THE OPENING DATE SHOWN ON THE CONSTRUCTION SCHEDULE OR UPON ORDER OF THE CITY ENGINEER. THE REGULATION AND CONTROL OF CONSTRUCTION TRAFFIC SHALL BE AS DIRECTED BY THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.
- DISPOSAL OF ALL WASTE MATERIAL, BROKEN CONCRETE, ETC. WILL BE THE RESPONSIBILITY OF THE CONTRACTOR, SUBJECT TO THE APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FROM THE CITY OF SEDONA FOR WORK WITHIN THEIR JURISDICTIONS.
- CONSTRUCTION SHALL NOT INTERFERE WITH MAIL DELIVERY AND WILL ALLOW FOR UNINTERRUPTED TRASH PICKUP.
- ALL TAPER, RADII AND TURNOUT DIMENSIONS ARE TO THE EDGE OF NEW PAVEMENT, UNLESS OTHERWISE NOTED. ALL STATION AND CALLOUT DISTANCES LEFT AND RIGHT REFER TO THE CONSTRUCTION CENTERLINE UNLESS OTHERWISE NOTED.

- THE CONTRACTOR SHALL MAINTAIN UTILITY SERVICES AND DRAINAGE WITHOUT INTERRUPTION THROUGHOUT THIS CONTRACT.
- ALL EXPOSED CONCRETE SHALL BE DAVIS COLORS. SEE SPECIAL PROVISIONS.

STRUCTURAL NOTES

- "CLEAR" DIMENSIONS FOR DEPTH OF REINFORCING STEEL ARE FROM FACE OF CONCRETE TO FACE OF BARS.
- ALL EXPOSED EDGES OF CONCRETE SHALL BE BEVELED OR ROUNDED UNLESS OTHERWISE NOTED.
- ALL EXPOSED CONCRETE SURFACES SHALL BE FINISHED IN ACCORDANCE WITH ARIZONA DEPT. OF TRANSPORTATION STANDARD SPECIFICATION 601-3.05 - FINISHING FORMED CONCRETE, UNLESS OTHERWISE SPECIFIED.

ADOT ENCROACHMENT PERMIT GENERAL NOTES

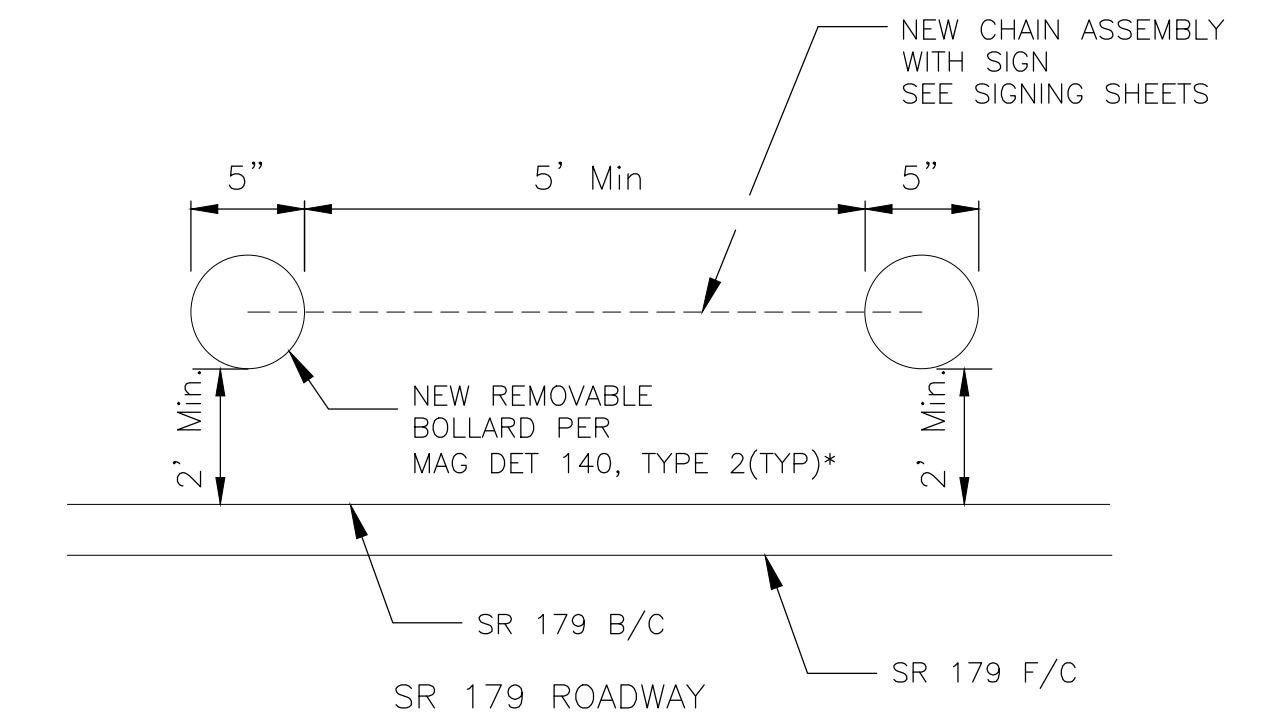
- ALL WORK WITHIN THE ARIZONA DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY, HELD EITHER IN EASEMENT, FEE OR DEDICATED, SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ADOT PUBLICATIONS AS CURRENTLY REVISED, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2021 EDITION
 - CONSTRUCTION STANDARD DRAWINGS MAY 2012 EDITION INCLUDING REVISIONS
 - TRAFFIC ENGINEERING STANDARDS, GUIDELINES AND REFERENCES
 - GUIDELINES AND PROCESSES - CURRENT VERSIONS
 - ARIZONA MANUAL OF APPROVED SIGNS (MOAS)
 - SIGNING AND MARKING STANDARD DRAWINGS
 - SIGNALS AND LIGHTING STANDARD DRAWINGS
 - MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES 2009 EDITION
 - ARIZONA SUPPLEMENT TO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES 2009 EDITION
 - ANY AND ALL OTHER ADOT TRAFFIC ENGINEERING REFERENCES
 - ADOT APPROVED PRODUCTS LIST CURRENT EDITION
 - EROSION AND POLLUTION CONTROL MANUAL FOR HIGHWAY DESIGN AND CONSTRUCTION DECEMBER 2012
 - EROSION/SEDIMENT AND WATER QUALITY PROTECTION BEST MANAGEMENT PRACTICES (BMP) DETAILS
- IN ADDITION ANY AND ALL MATERIALS UTILIZED IN CONSTRUCTION WITHIN THE RIGHTS-OF-WAY OF THE ARIZONA DEPARTMENT OF TRANSPORTATION SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2021 EDITION AND/OR BE AN APPROVED MATERIAL LISTED IN THE CURRENT ADOT APPROVED PRODUCTS LIST ALSO KNOWN AS THE APL.
- ADOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2021 EDITION SECTION 106.08 SHALL APPLY WHEN PLANS REQUIRE THE USE OF AN ALTERNATIVE OR A SUBSTITUTION ARTICLE OF EQUIPMENT, MATERIAL OR PROCESS.
- SECTION 106.14 OF THE ADOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2021 EDITION SHALL APPLY WHEN A PRODUCT THAT IS NOT LISTED IN THE CURRENT APL IS PROPOSED FOR USE.
- ALL MATERIALS UTILIZED FOR A PERMITTED ACTIVITY SHALL BE SAMPLED AND TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FOLLOWING UNLESS OTHERWISE APPROVED IN WRITING BY THE ADOT:
 - SECTION 106.04 OF ADOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2021 EDITION
 - THE ADOT MATERIALS TESTING MANUAL
 - THE ADOT MATERIALS POLICY AND PROCEDURES DIRECTIVES MANUAL
 - APPLICABLE FEDERAL, AASHTO OR ASTM SPECIFICATION OR TEST DESIGNATIONS
 - APPLICABLE SPECIFICATION OR TEST DESIGNATIONS OF OTHER RECOGNIZED ORGANIZATIONS
- THE TERM "ENGINEER" AS STATED IN SECTION 106.08 AND SECTION 106.14 OF THE ADOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2021 EDITION SHALL REFER TO THE ADOT DISTRICT DEVELOPMENT ENGINEER, THE DISTRICT ASSISTANT DISTRICT ENGINEER AND/OR THE DISTRICT ENGINEER.
- ALL ADOT RIGHT-OF-WAY MARKERS AND/OR PROPERTY CORNERS SHALL BE PRESERVED, OR BE RE-ESTABLISHED UPON COMPLETION OF THE WORK BY A SURVEYOR LICENSED BY THE STATE OF ARIZONA.

EARTHWORK SUMMARY

STRUCTURAL EXCAVATION	933 CY
STRUCTURAL BACKFILL	1015 CY
CHANNEL EXCAVATION	1765 CY
SHRINK (20%)	525 CY
GROUND COMPACTION (0.2')	23 CY
WASTE	2185 CY

NOTES:

- ALL PROJECT EARTHWORK WITH THE EXCEPTION OF CHANNEL EXCAVATION SHALL BE CONSIDERED INCIDENTAL TO SUBGRADE PREPARATION. SEE SPECIAL PROVISIONS.
- THE ABOVE QUANTITIES REPRESENT FINAL EARTHWORK. THIS IS ANTICIPATED TO BE A WASTE PROJECT SINCE THE AVAILABLE GEOTECHNICAL INFORMATION INDICATES THAT THERE IS SUITABLE MATERIAL ON-SITE. NO SEPARATE MEASUREMENT AND PAYMENT WILL BE MADE FOR IMPORT MATERIAL. THE AVAILABILITY OF EARTHWORK MATERIAL DURING CONSTRUCTION (INTERIM EARTHWORK QUANTITIES) WILL DEPEND ON THE CONTRACTOR'S CONSTRUCTION PHASING.



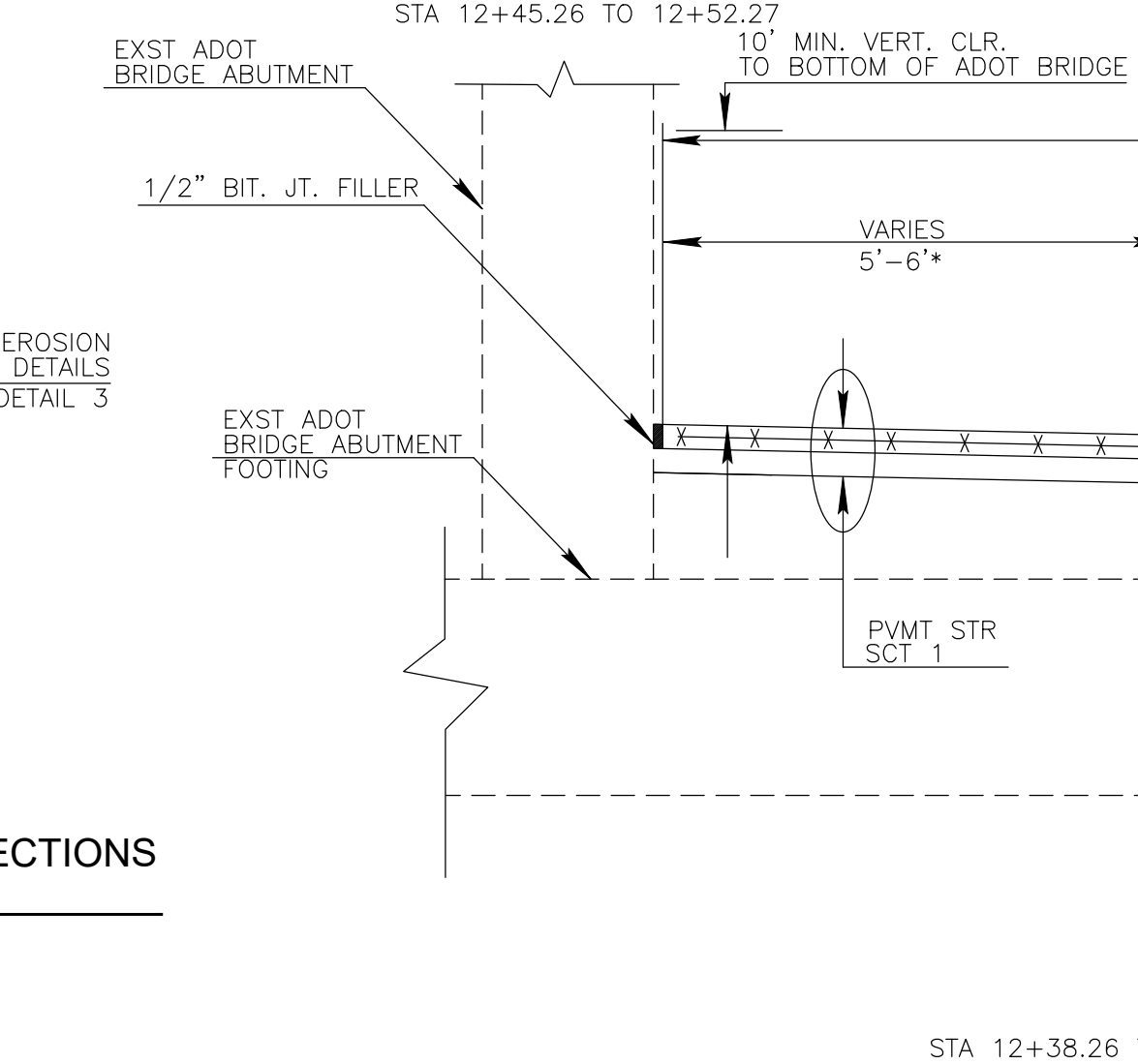
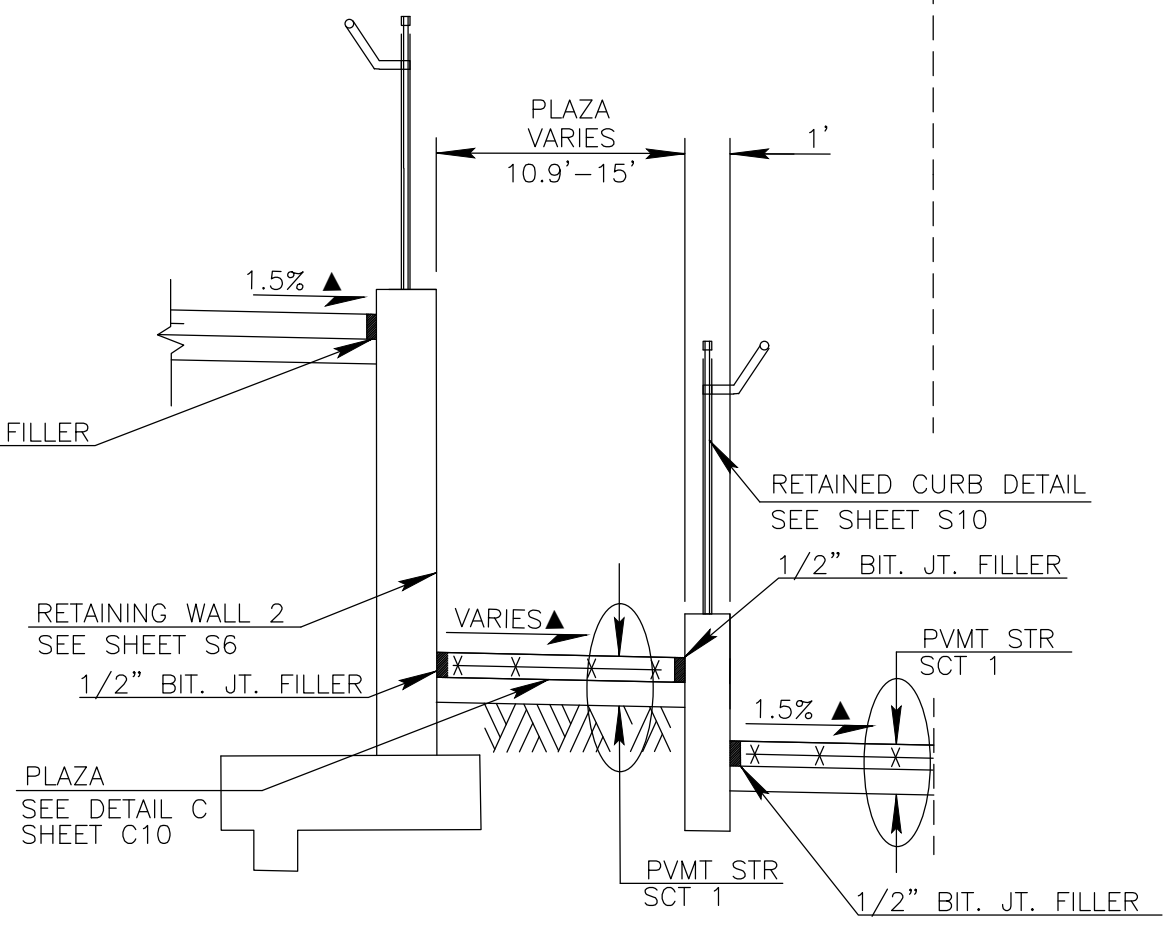
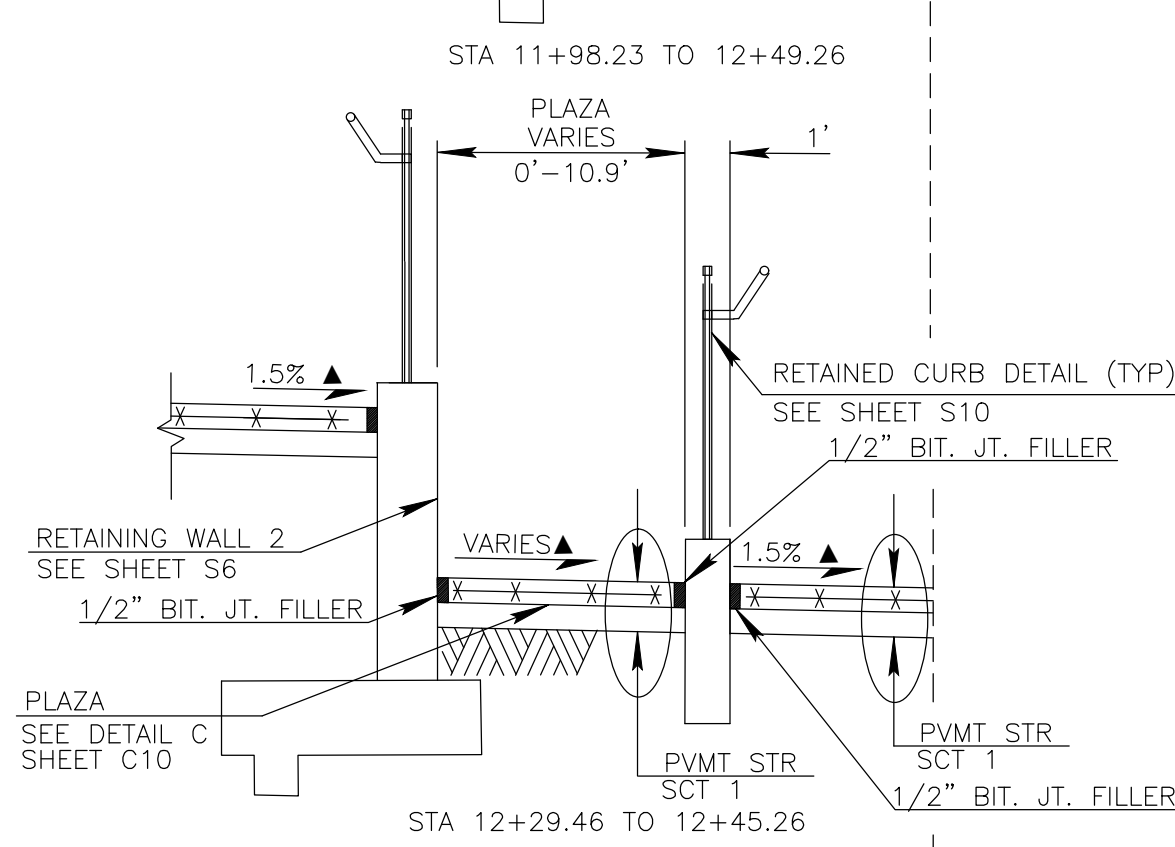
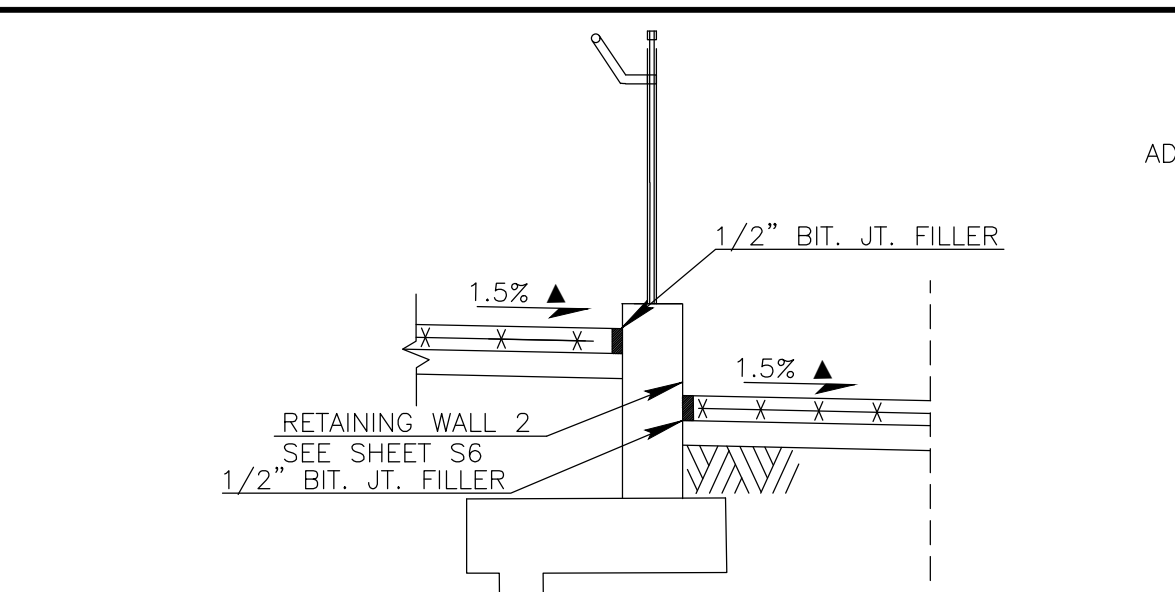
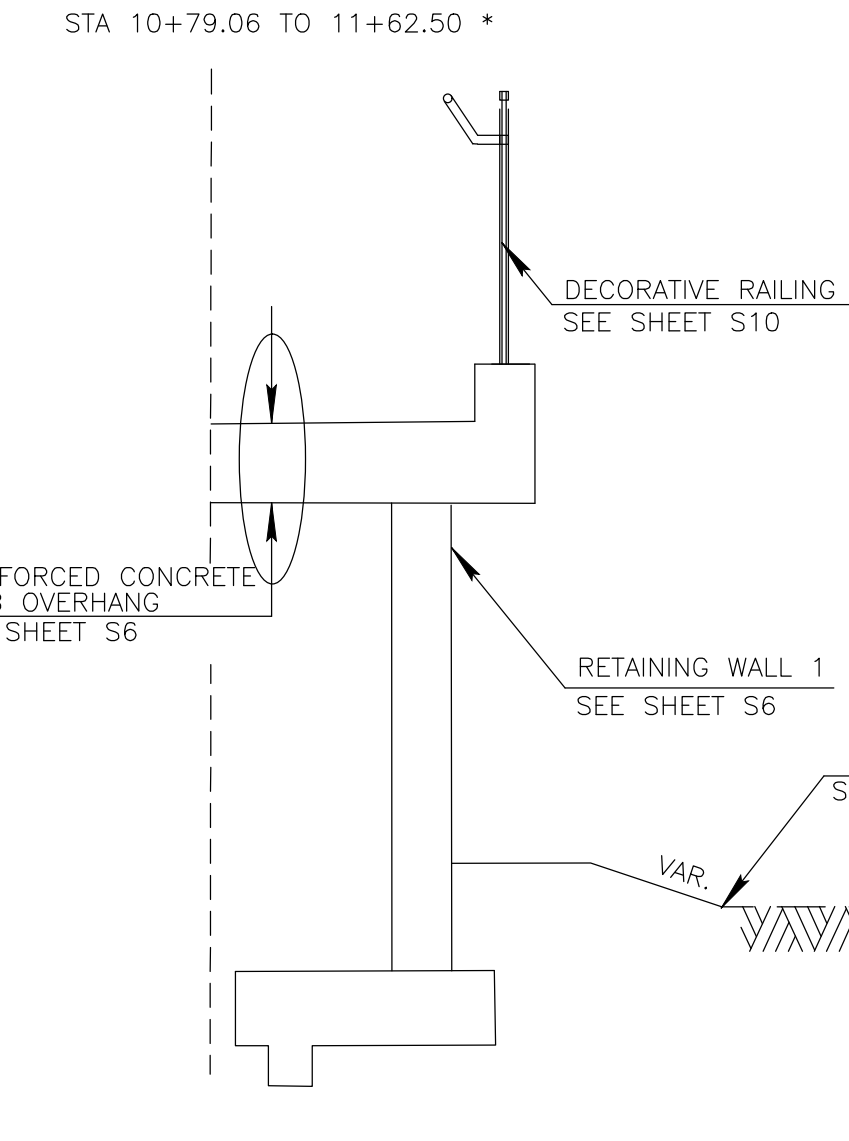
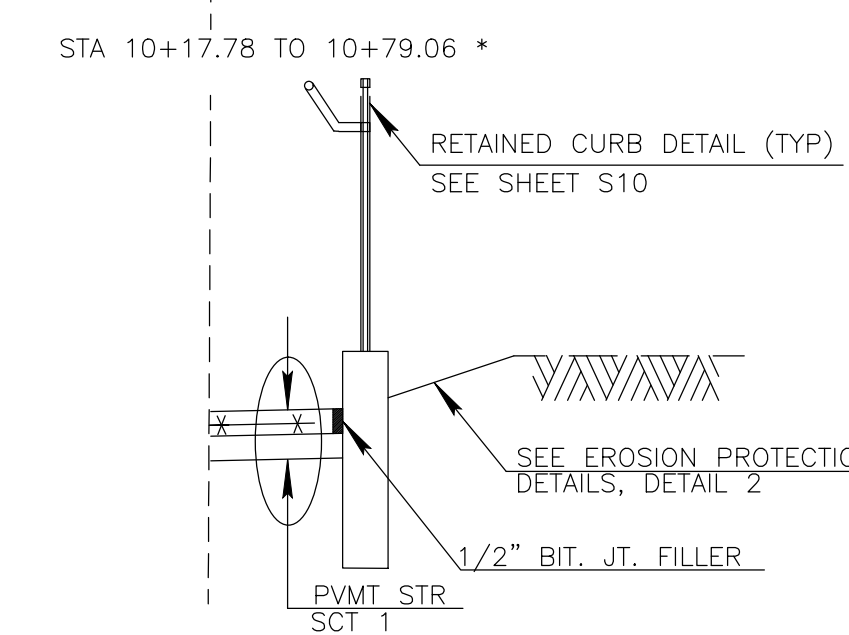
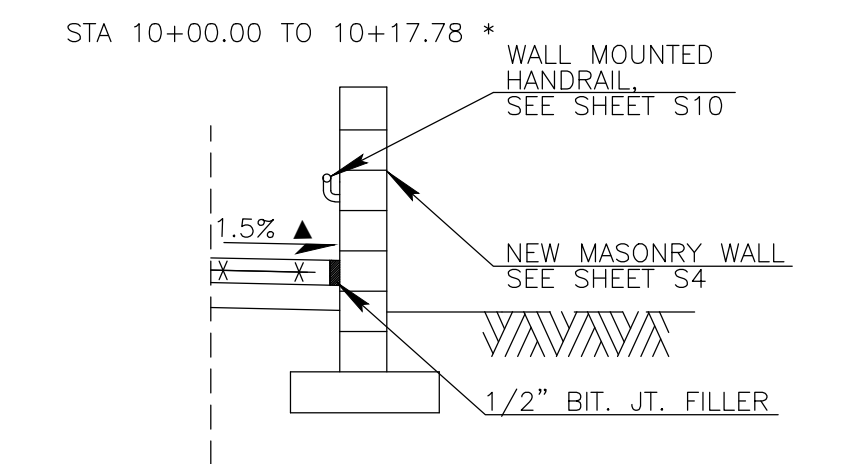
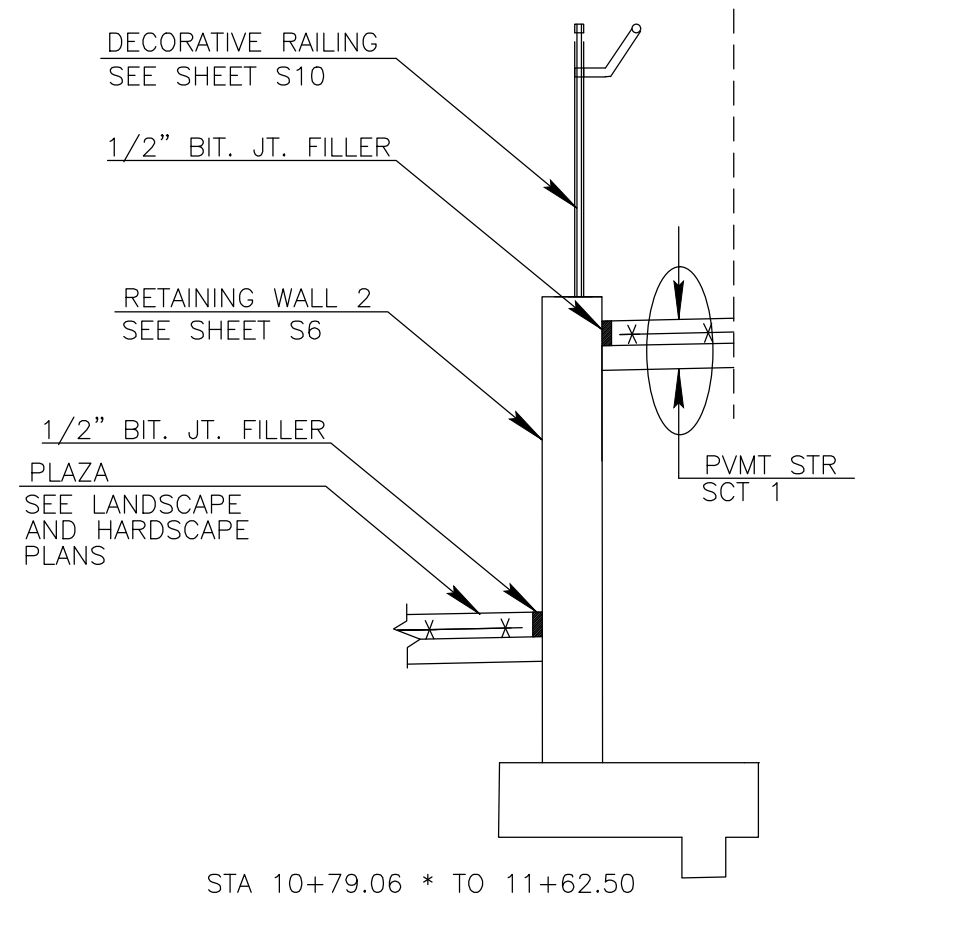
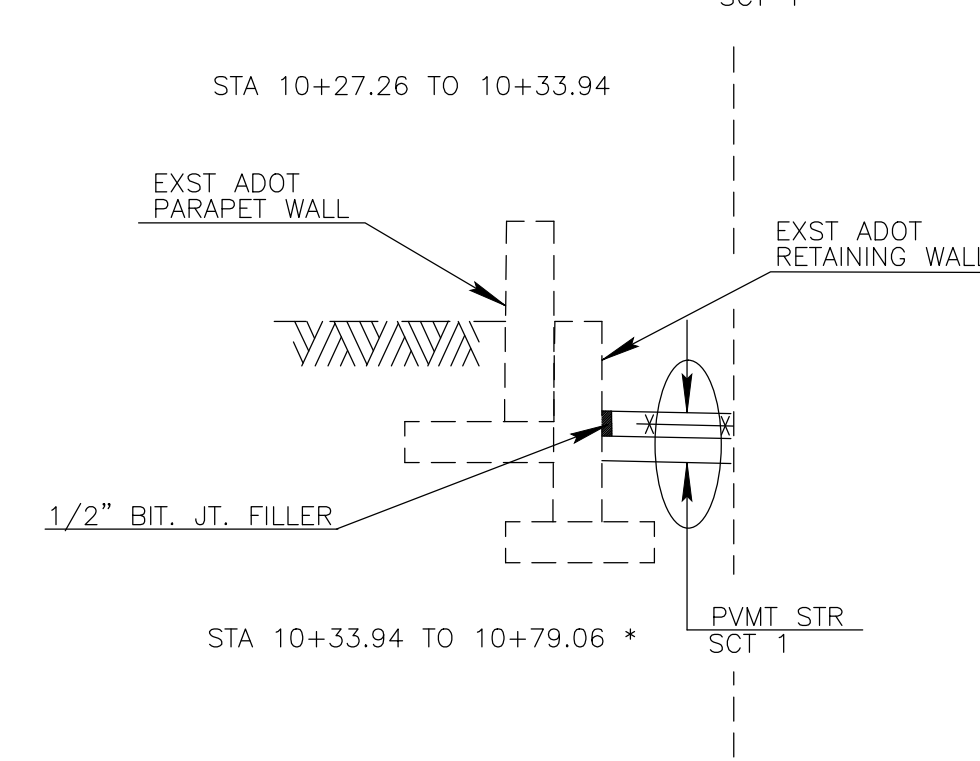
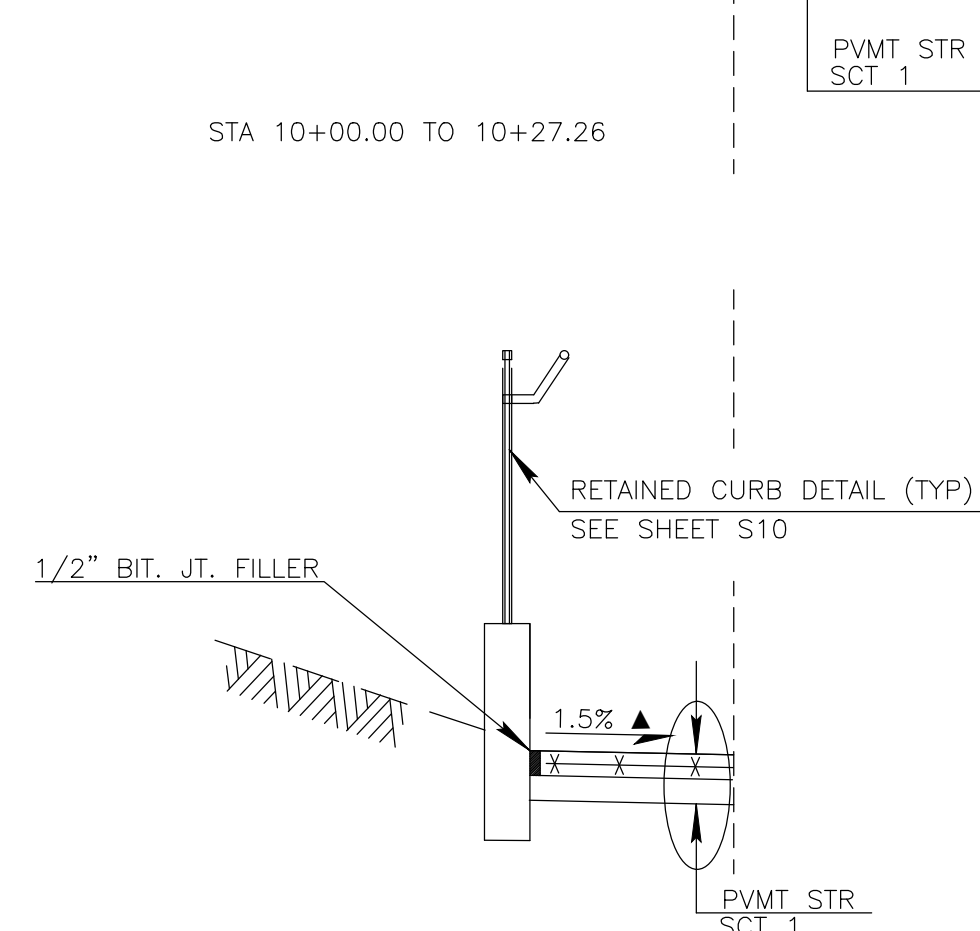
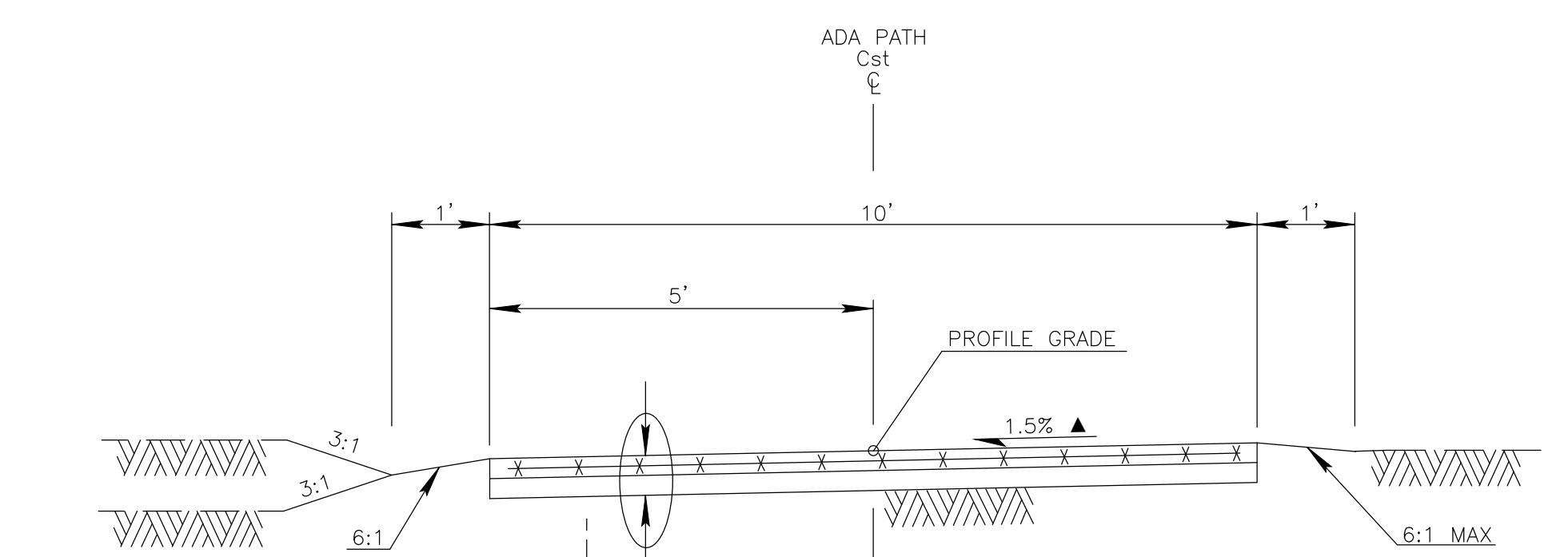
* SEE PLANS FOR LOCATION INFORMATION. BOLLARDS SHALL BE PLACED SUCH THAT AT LEAST 5-FT WIDTH OF SIDEWALK AND RAMP IS AVAILABLE FOR PEDESTRIAN USE. FINAL BOLLARD LOCATIONS SHALL BE FIELD VERIFIED AND APPROVED BY THE ENGINEER.

BOLLARDS WITH CHAIN

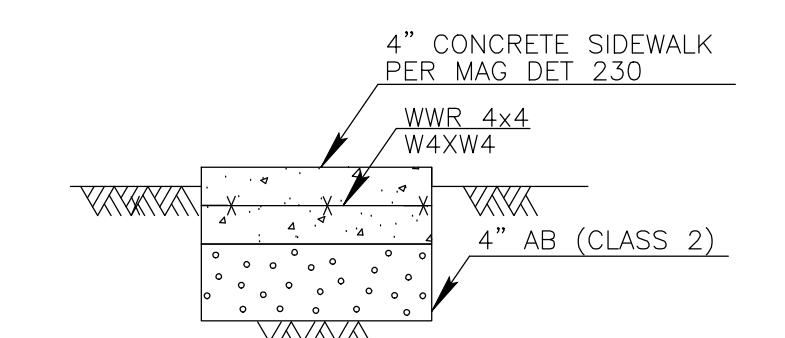
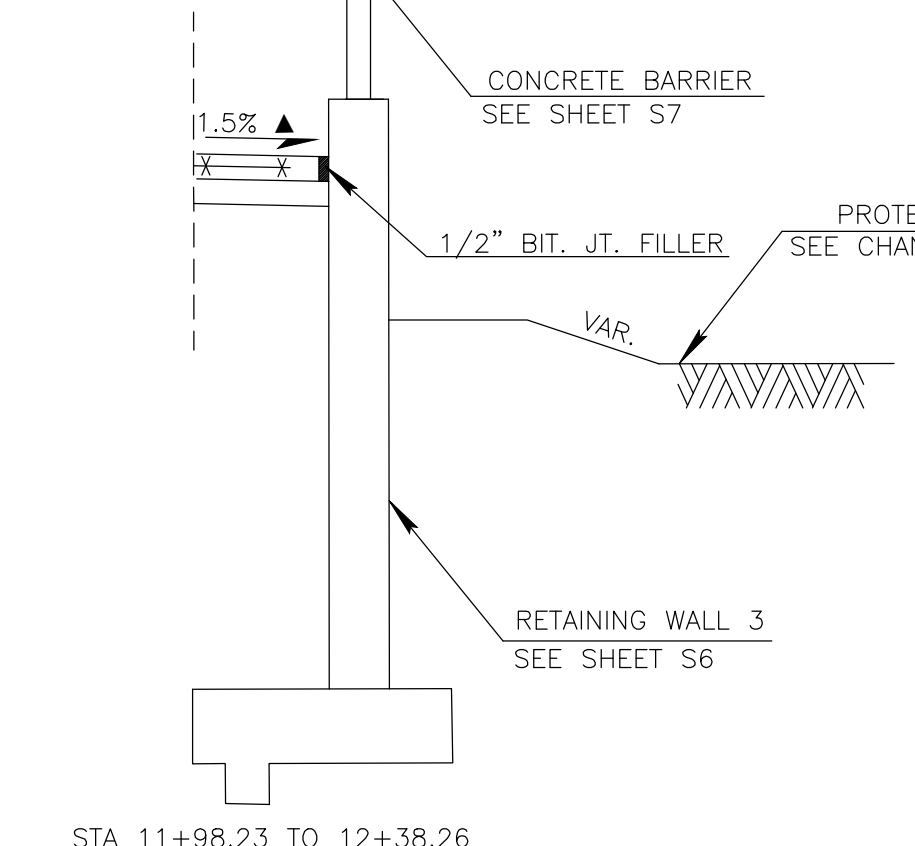
NTS

**THE DESIGN OF THESE PLANS IS BASED UPON DOCUMENTED COORDINATION TO-DATE THAT THE CITY OF SEDONA MAINTENANCE FORCES WILL PROVIDE AND PLACE BARRICADES AND/OR SIGNAGE TO CLOSE THE CROSSING PRIOR TO OAK CREEK FLOODING.

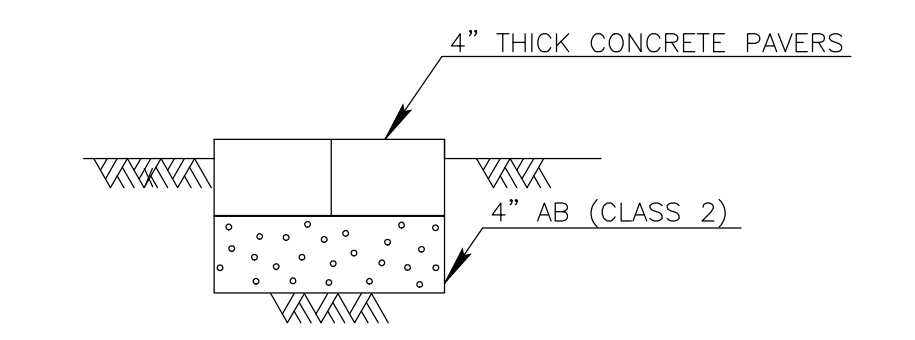
Symbol	Revisions	Date	Appr.	Designed by: JI	Date: 02/20/2023			WSP USA Inc. 1230 W. Washington St. Suite 405 Tempe, AZ 85281		CITY OF SEDONA PUBLIC WORKS DEPARTMENT 102 ROADRUNNER DRIVE SEDONA, ARIZONA 86336 928-204-7111	SR 179 PEDESTRIAN CROSSING AT OAK CREEK SEDONA ARIZONA		SHEET ID C2	
				Drawn by: CPG	Scale: NOT TO SCALE						GENERAL NOTES SHEET		SHEET NO. 2	OF 45
				Checked by: JKF	Project Code: CIVIL									



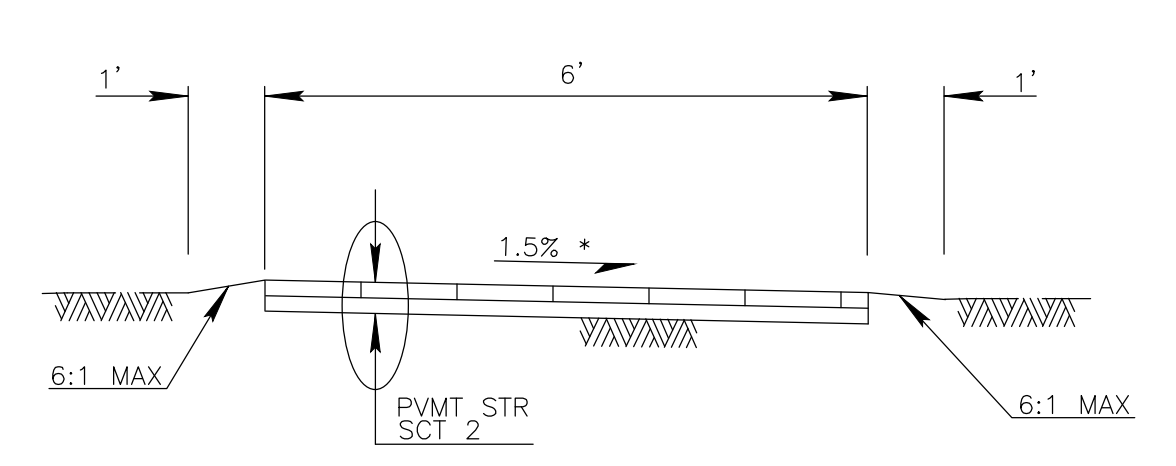
ADA PATH TYPICAL SECTIONS
SEGMENT 1



PAVEMENT STRUCTURAL
SECTION NO. 1



PAVEMENT STRUCTURAL
SECTION NO. 2



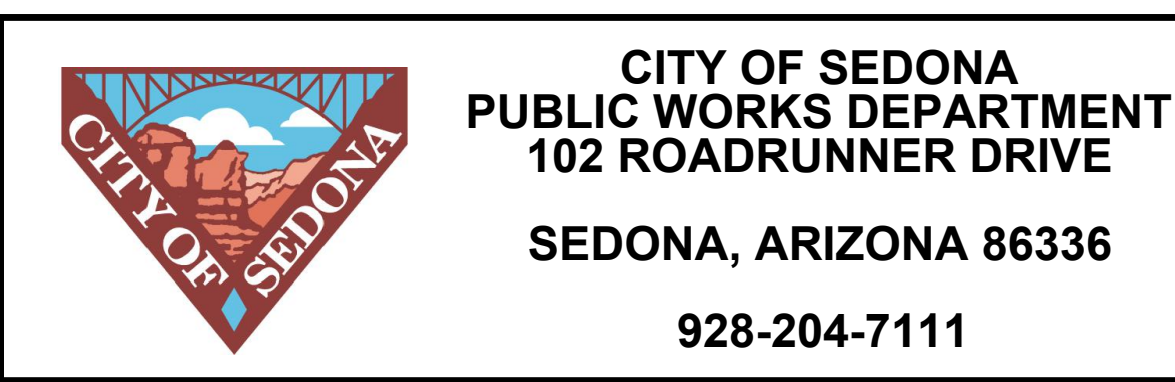
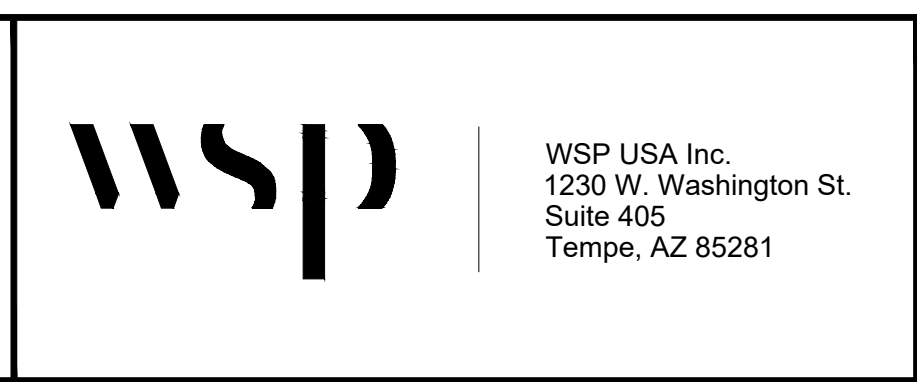
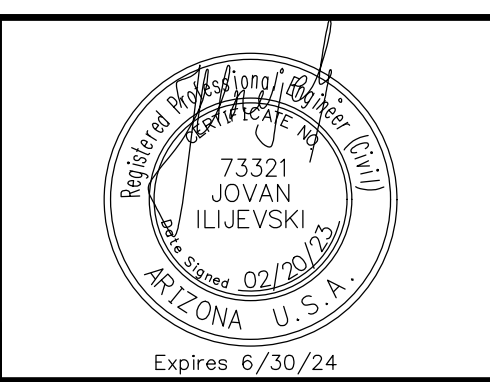
TLAQUEPAQUE ENTRANCE TYPICAL SECTION *

▲ CROSS SLOPE TABLE		
STA 10+00.00 TO STA 11+27.50	VARIABLES*	
STA 11+27.50 TO STA 11+62.50	-1.5%**	
STA 11+62.50 TO STA 11+19.87	VARIABLES*	
STA 11+19.87 TO STA 11+62.50	-1.5%**	
STA 11+62.50 TO STA 11+83.63	VARIABLES*	
STA 11+83.63 TO STA 12+45.26	+1.5%**	
STA 12+45.26 TO STA 12+52.49	VARIABLES*	

- NOTES:
- SEE PLAN AND PROFILE SHEETS FOR RAILING LOCATIONS
 - SEE WALL PLANS FOR ADDITIONAL WALL INFORMATION
- * SEE DETAIL SHEETS 1 AND 2, FOR PATH EDGE CONTROL
- STATION LIMITS AND EQUATIONS
SEG 1 STA 10+00.00 TO 12+52.49 BK = SEG 2 STA 20+00.00 AHD
- ** CROSS SLOPES REPORTED ARE POSITIVE VALUES FROM LEFT TO RIGHT

Symbol	Revisions	Date	Appr.

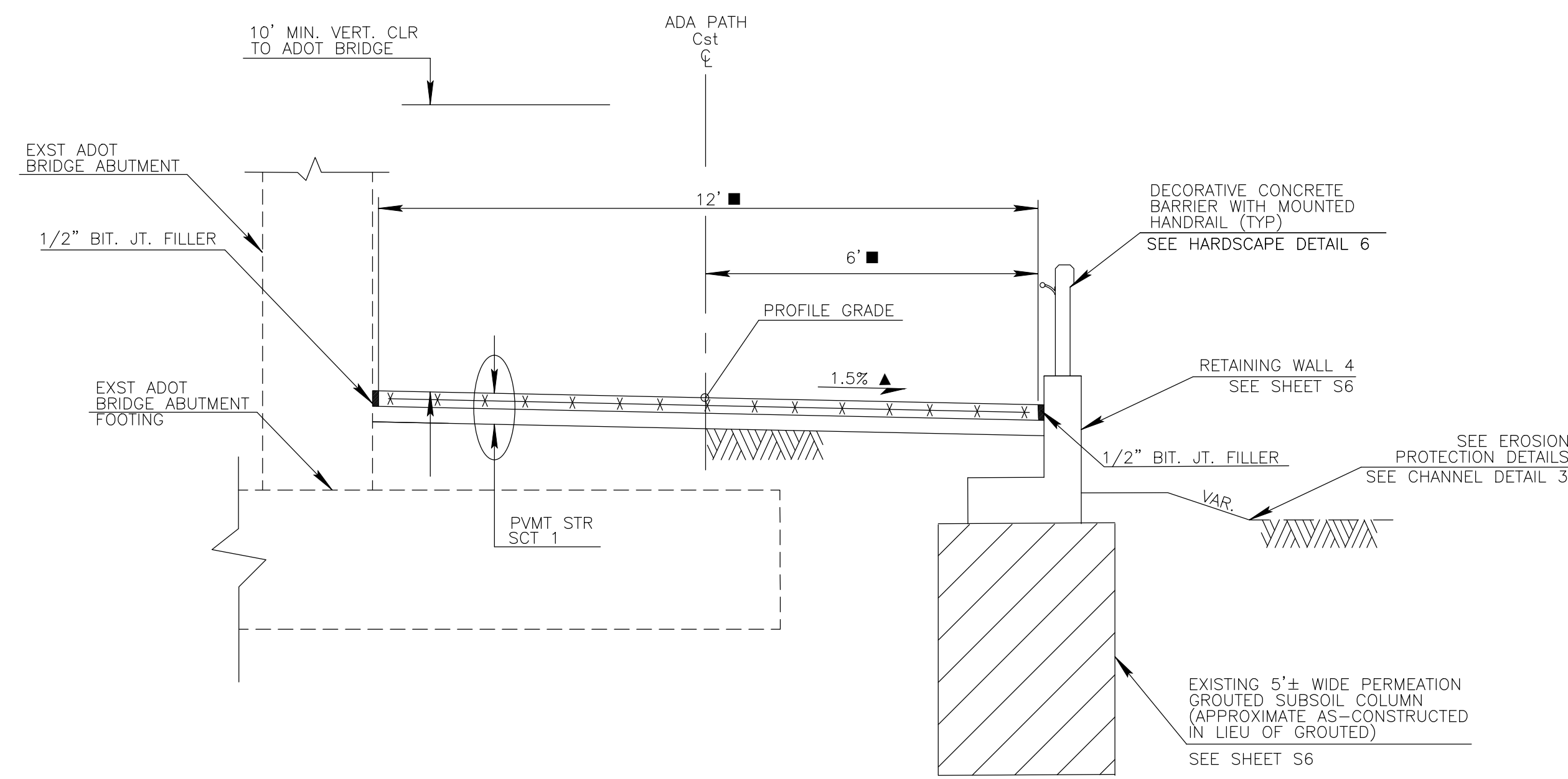
Designed by:	JI	Date:	02/20/2023
Drawn by:	CPG	Scale:	NOT TO SCALE
Checked by:	JKF	Project Code:	CIVIL



SR 179 PEDESTRIAN CROSSING
AT OAK CREEK
SEDONA ARIZONA

TYPICAL SECTIONS SHEET

SHEET ID	
C3	
SHEET NO.	OF
3	45



ADA PATH TYPICAL SECTION SEGMENT 2
 STA 20+00.00 TO 21+04.59 *

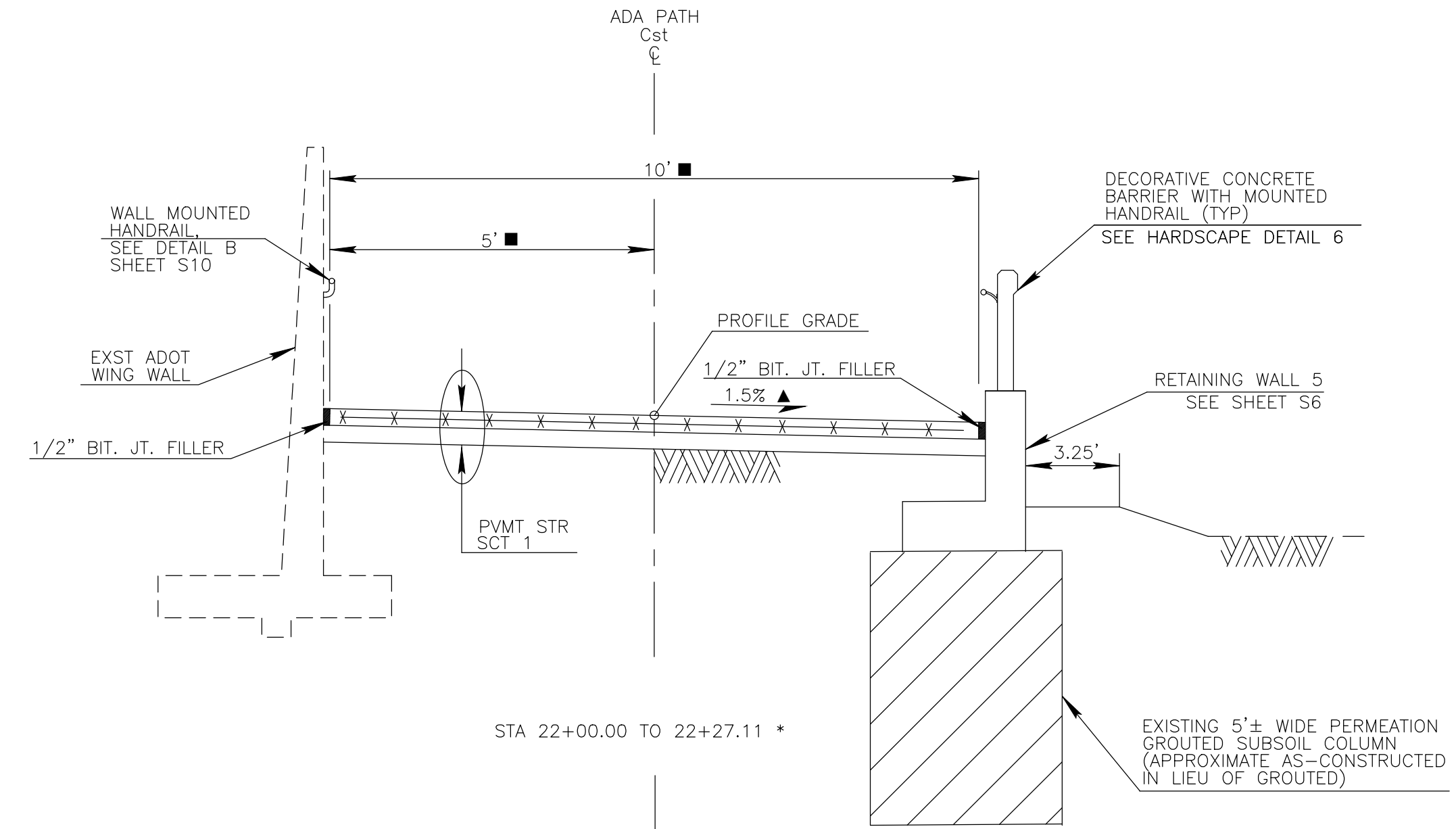
▲ CROSS SLOPE TABLE

STA 20+00.00 TO STA 20+05.00	VARIABLE*
STA 20+05.00 TO STA 20+99.59	+1.5%**
STA 20+99.59 TO STA 21+04.59	VARIABLE*
STA 22+00.00 TO STA 23+75.45	+1.5%**
STA 23+75.45 TO STA 23+87.66	VARIABLE*

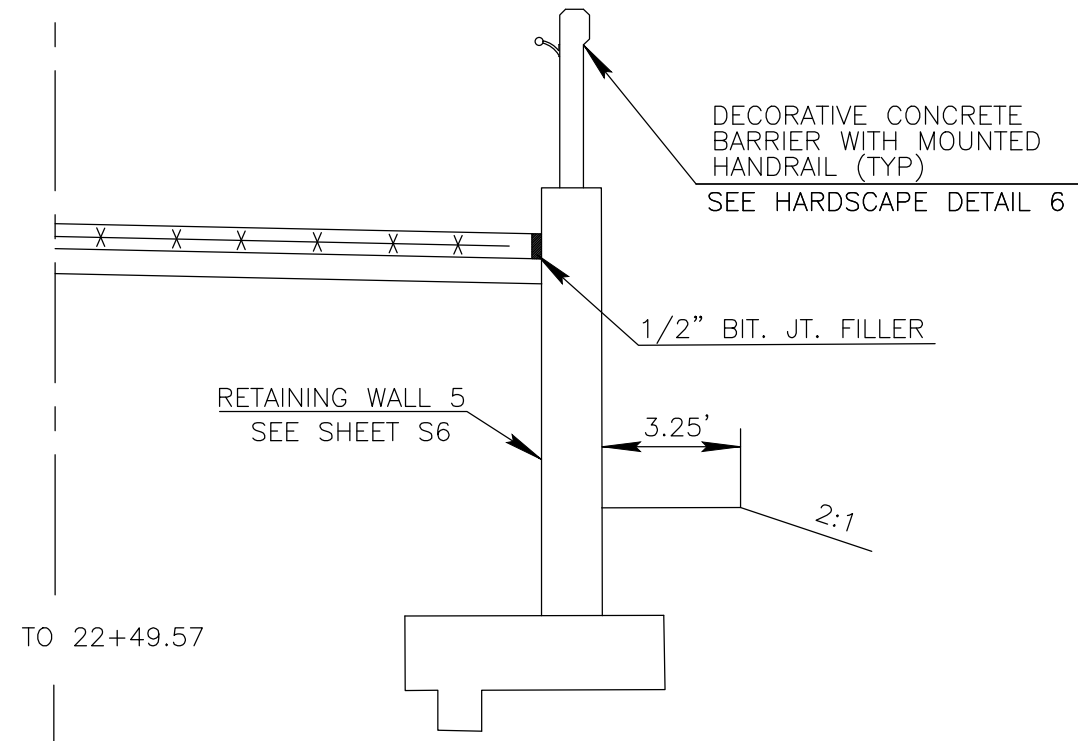
■ PATH WIDTH

STA 20+00.00 TO STA 20+43.01	12'
STA 20+43.01 TO STA 20+65.55	VARIABLE
STA 20+65.55 TO STA 20+99.59	12'
STA 20+99.59 TO STA 21+04.59	VARIABLE
STA 22+00.00 TO STA 23+29.18	10'
STA 23+29.18 TO STA 23+87.66	VARIABLE

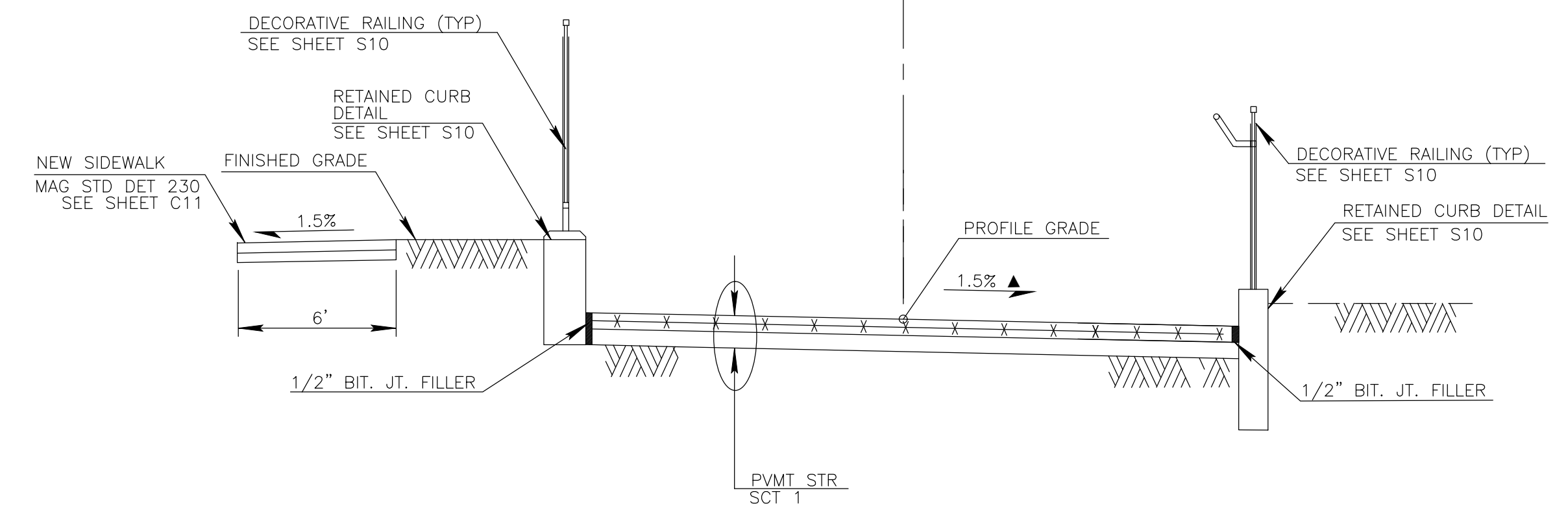
NOTES:
 1. SEE PLAN AND PROFILE SHEETS FOR HANDRAIL LOCATIONS
 2. SEE WALL PLANS FOR ADDITIONAL WALL INFORMATION
 * SEE DETAIL SHEETS 1 AND 2, FOR PATH EDGE CONTROL
 STATION LIMITS AND EQUATIONS
 SEG 2 Sta 20+00.00 AHD TO 21+04.59 BK=
 SEG 3 Sta 22+00.00 AHD TO 23+87.66
 ** CROSS SLOPES REPORTED ARE POSITIVE VALUES FROM LEFT TO RIGHT



STA 22+00.00 TO 22+27.11 *



STA 22+27.11 TO 22+49.57

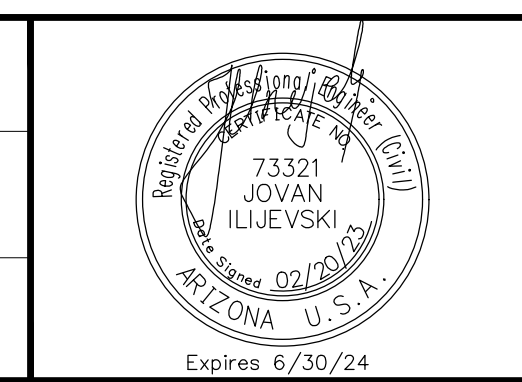


STA 22+49.57 TO 23+87.66

ADA PATH TYPICAL SECTIONS SEGMENT 3

Symbol	Revisions	Date	Appr.

Designed by:	Date:
JI	02/20/2023
Drawn by:	Scale:
CPG	NOT TO SCALE
Checked by:	Project Code:
JKF	CIVIL



wsp

WSP USA Inc.
 1230 W. Washington St.
 Suite 405
 Tempe, AZ 85281

CITY OF SEDONA

CITY OF SEDONA PUBLIC WORKS DEPARTMENT
 102 ROADRUNNER DRIVE
 SEDONA, ARIZONA 86336
 928-204-7111

SR 179 PEDESTRIAN CROSSING
 AT OAK CREEK
 SEDONA ARIZONA

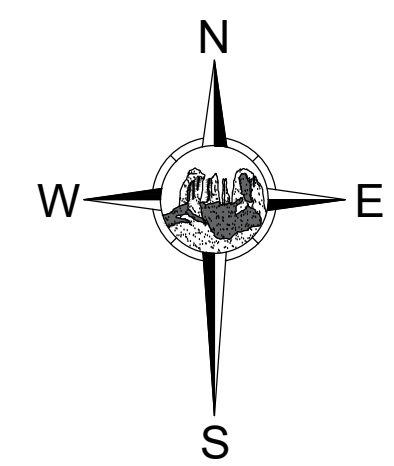
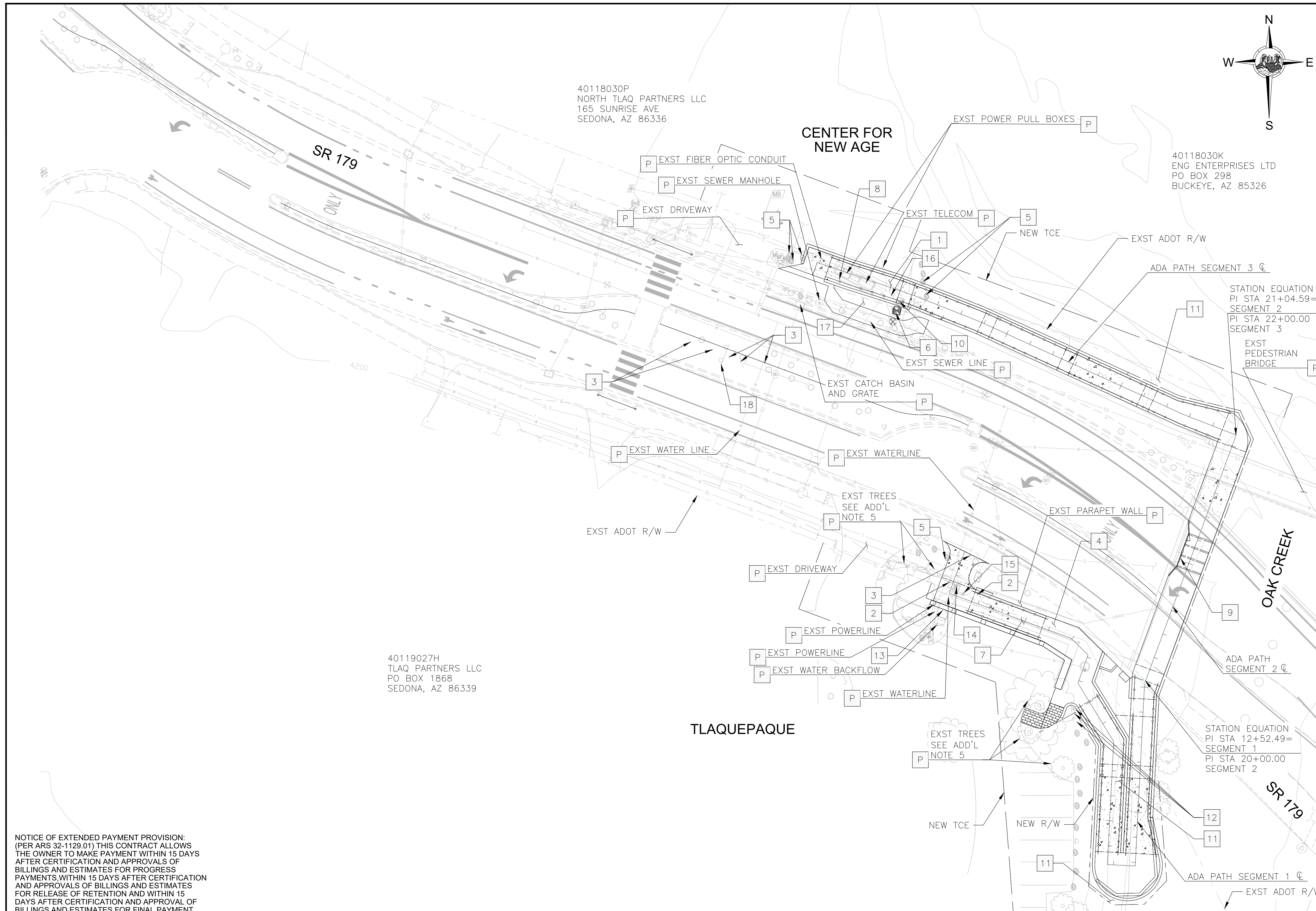
TYPICAL SECTIONS

SHEET ID	
C4	
SHEET NO.	OF
4	45

ITEM DESCRIPTION	UNIT	QUANTITY TOTAL
MATERIALS TESTING	JOB	1
CONSTRUCTION SURVEY AND LAYOUT	JOB	1
AS-BUILT PREPARATION	JOB	1
MOBILIZATION/DEMOBILIZATION	JOB	1
MAINTENANCE AND PROTECTION OF TRAFFIC	JOB	1
STORM WATER POLLUTION PREVENTION PLAN	JOB	1
REMOVE AND SALVAGE EXISTING PROPERTY WALL	LF	78
REMOVE EXST SITE WALL	LF	22
REMOVE AND SALVAGE EXST POLE WITH WIND ART	EACH	3
REMOVE AND SALVAGE EXST TLAQUEPAQUE ARCH SIGN	EACH	1
REMOVE EXST ASPHALTIC CONCRETE PAVEMENT	SY	15
REMOVE EXT CONCRETE SIDEWALK	SY	381
REMOVE AND STOCKPILE EXISTING EROSION PROTECTION	LSUM	1
REMOVE EXST GABIONS	SF	120
REMOVE AND RELOCATE EXST WATER QUALITY BOX	EACH	1
REMOVE AND SALVAGE EXST FIRE HYDRANT	EACH	1
RELOCATE EXSTING PROPERTY WALL LIGHTS	EACH	2
RELOCATE WATER METER	EACH	1
RELOCATE EXST LIGHT POLE	EACH	2
RELOCATE EXST CATV BOX	EACH	1
ADJUST VALVE BOX AND COVER TO GRADE PER MAG STD DTL 270	EACH	1
REMOVE EXST DUMPED RIPRAP	CU. YD.	735
RELOCATE EXST TELCO PEDESTAL	EACH	2
TREE PROTECTION SHORING	LSUM	1
TEMPORARY FILL STABILIZATION	LSUM	1
SUBGRADE PREP	SY	724
CHANNEL EXCAVATION (INCL. HAUL OFFSITE)	CY	1,765
AGGREGATE BASE COURSE	TON	151
CONCRETE SIDEWALK PER MAG STD DTL 230 WITH MESH	SF	6,200
CONCRETE PAVERS	SF	104
RETAINED CURB	LF	218
MEDIAN BOLLARDS AND CHAIN (SPECIAL DETAIL)	EACH	2
3-FT MAN GATE WITH LOCK	EACH	1
REINFORCED CONCRETE CANTILEVER RETAINING WALL	SF	2,689
MASONRY PROPERTY WALL	SF	700
SHORT CONCRETE GRAVITY WALL	SF	51
REINFORCED CONCRETE SLAB OVERHANG	SF	566
NEW MODIFIED MAG 206 CONCRETE SCUPPER	EACH	1
NEW DRAIN INLET	EACH	4

ITEM DESCRIPTION	UNIT	QUANTITY TOTAL
PERMEATION GROUTING	LSUM	1
PLACE SALVAGED DUMPED RIVER ROCK	CY	340
GABION MATTRESS AND BASKETS	CY	31
LANDSCAPING	LSUM	1
IRRIGATION	LSUM	1
TLAQUEPAQUE PROPERTY SYCAMORE TREE PROTECTION	LSUM	1
CONCRETE BARRIER	LF	208
CONCRETE BARRER WITH HANDRAIL	LF	52
DECORATIVE RAILING	LF	663
DECORATIVE RAILING WITH HANDRAIL	LF	216
HANDRAIL (WALL ATTACHMENT)	LF	243
TRASH RECEPTACLE	EACH	3
SIGN POST (PERFORATED) (2 S)	L.FT.	32
SIGN POST (PERFORATED) (2 1/2 S)	L.FT.	32
FOUNDATION FOR SIGN POST (CONCRETE)	EACH	5
WARNING, MARKER, OR REGULATORY SIGN PANEL	SF	14
FLAT SHEET ALUMINUM SIGN PANEL	SF	32
WATERBORNE-TYPE I PAVEMENT MARKING(PAINTED)(YELLOW)	LF	126
ELECTRICAL CONDUIT (1") (PVC)	LF	80
ELECTRICAL CONDUIT (1 1/2") (PVC)	LF	760
PULL BOX (NO. 5)	EACH	4
PULL BOX (6" x 6" In Wall)	EACH	3
PULL BOX (8" x 6" In Wall)	EACH	9
CONDUCTOR (NO. 12)	LF	1,920
CONDUCTOR (NO. 10)	LF	540
CONDUCTOR (NO. 8)	LF	1,520
CONDUCTOR (INSULATED BOND)	LF	840
METER PEDESTAL CABINET (LIGHTING)	EACH	1
MISCELLANEOUS WORK (LED Rope)	LF	40
MISCELLANEOUS WORK (POLE (14') (Decorative))	EACH	5
MISCELLANEOUS WORK (POLE FOUNDATION (STANDARD BASE))	EACH	5
MISCELLANEOUS WORK (MAST ARM (Decorative))	EACH	5
MISCELLANEOUS WORK (LUMINAIRE (LED) (GBLF3 Decorative))	EACH	5
MISCELLANEOUS WORK (Step Light Wall Fixture)	EACH	20
PAINT EXST ADOT FACILITIES	LSUM	1
CONCRETE STAIN COLOR TREATMENT	EACH	1
WINDOW AND FRAME ART PANEL	LSUM	2
BARREL SIGN BASE	EACH	3

Symbol	Revisions	Date	Appr.	Designed by: JI	Date: 02/20/2023			WSP USA Inc. 1230 W. Washington St. Suite 405 Tempe, AZ 85281		CITY OF SEDONA PUBLIC WORKS DEPARTMENT 102 ROADRUNNER DRIVE SEDONA, ARIZONA 86336 928-204-7111	SR 179 PEDESTRIAN CROSSING AT OAK CREEK SEDONA ARIZONA		SHEET ID C5	
				Drawn by: CPG	Scale: NOT TO SCALE						QUANTITY SUMMARY SHEET		SHEET NO. 5	OF 45
				Checked by: JKF	Project Code: CIVIL									



REMOVAL NOTES

- 1 SAWCUT AND REMOVE ASPHALT OR CONCRETE PAVEMENT
- 2 RELOCATE PROPERTY WALL LIGHTS, SEE LIGHTING PLAN SHEET
- 3 RELOCATE EXST IRRIGATION VALVE PER AWC SPECIFICATIONS
- 4 REMOVE EXST DUMPED RIPRAP
- 5 REMOVE AND SALVAGE EXST DECORATIVE BOULDER
- 6 RELOCATE EXST WATER VALVE, PER AWC DTL E-9-4-1
- 7 REMOVE EXST PROPERTY WALL, SEE MASONRY WALL PLAN, SHEET S-4
- 8 REMOVE EXST SITE WALL
- 9 SALVAGE AND RELOCATE EXST WATER QUALITY BOX AND POWER SOLAR PANEL. SEE SPECIAL PROVISIONS
- 10 RELOCATE EXST FIRE HYDRANT, PER AWC DTL E-9-6-1, E-9-5-1, E-9-2-1, E-9-3-1
- 11 REMOVE EXST GABION MATTRESS AT SELECT LOCATIONS. SEE EROSION PROTECTION PLANS.
- 12 REMOVE AND SALVAGE EXST POLE WITH WIND ART
- 13 REPLACE AND RELOCATE EXISTING 2" WATER SERVICE CONNECTION, PER AWC DTL E-9-11-1
- 14 REMOVE EXST 2" BLOW OFF ASSEMBLY AND REPLACE WITH 90° MJ ELBOW, 6 LF OF 6" DIP, AND TRANSITION COUPLINGS, PER AWC DTL E-9-8-1 AND E-9-5-1
- 15 RELOCATE EXST TELCO PEDESTAL
- 16 RELOCATE EXST CATV PULLBOX
- 17 REMOVE EXST SIDEWALK
- 18 RELOCATE TRAFFIC SIGN
- P PROTECT-IN-PLACE

- ADDITIONAL NOTES:
1. THIS SHEET IS PROVIDED FOR REFERENCE ONLY. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING AND QUANTIFY THE EXTENT OF REMOVAL/RELOCATION WORK.
 2. FOR CLARITY, SOME PROPOSED FEATURES ARE NOT SHOWN. SEE SUBSEQUENT PLAN SHEETS.
 3. SEE GEOMETRY INFORMATION IN PLAN AND PROFILE SHEETS.
 4. LANDSCAPE OR IRRIGATION DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED IN-KIND AND OPERABLE AT CONSTRUCTION CLOSEOUT.
 5. CONTRACTOR SHALL TAKE MEASURES NECESSARY TO ENSURE THAT ALL EXISTING SYCAMORE TREES AND ROOTS ARE NOT DISTURBED OR ADVERSELY IMPACTED DURING CONSTRUCTION AND UPON CONSTRUCTION COMPLETION. SEE SPECIAL PROVISIONS.
 6. CONTRACTOR TO PROTECT-IN-PLACE EXISTING GABION MATTRESS. LIMITS OF GABION MATTRESS REMOVAL ARE SHOWN ON THE EROSION PROTECTION PLANS.

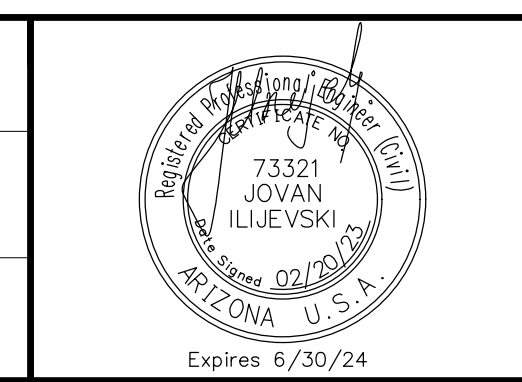
SCALE:
1" = 20' HORIZONTAL

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
Call 811 or click Arizona811.com

NOTICE OF EXTENDED PAYMENT PROVISION:
(PER ARS 32-1129.01) THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVALS OF BILLINGS AND ESTIMATES FOR PROGRESS PAYMENTS WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVALS OF BILLINGS AND ESTIMATES FOR RELEASE OF RETENTION AND WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVAL OF BILLINGS AND ESTIMATES FOR FINAL PAYMENT.

Symbol	Revisions	Date	Appr.

Designed by:	JI	Date:	02/20/23
Drawn by:	CPG	Scale:	1:20
Checked by:	JKF	Project Code:	CIVIL



wsp

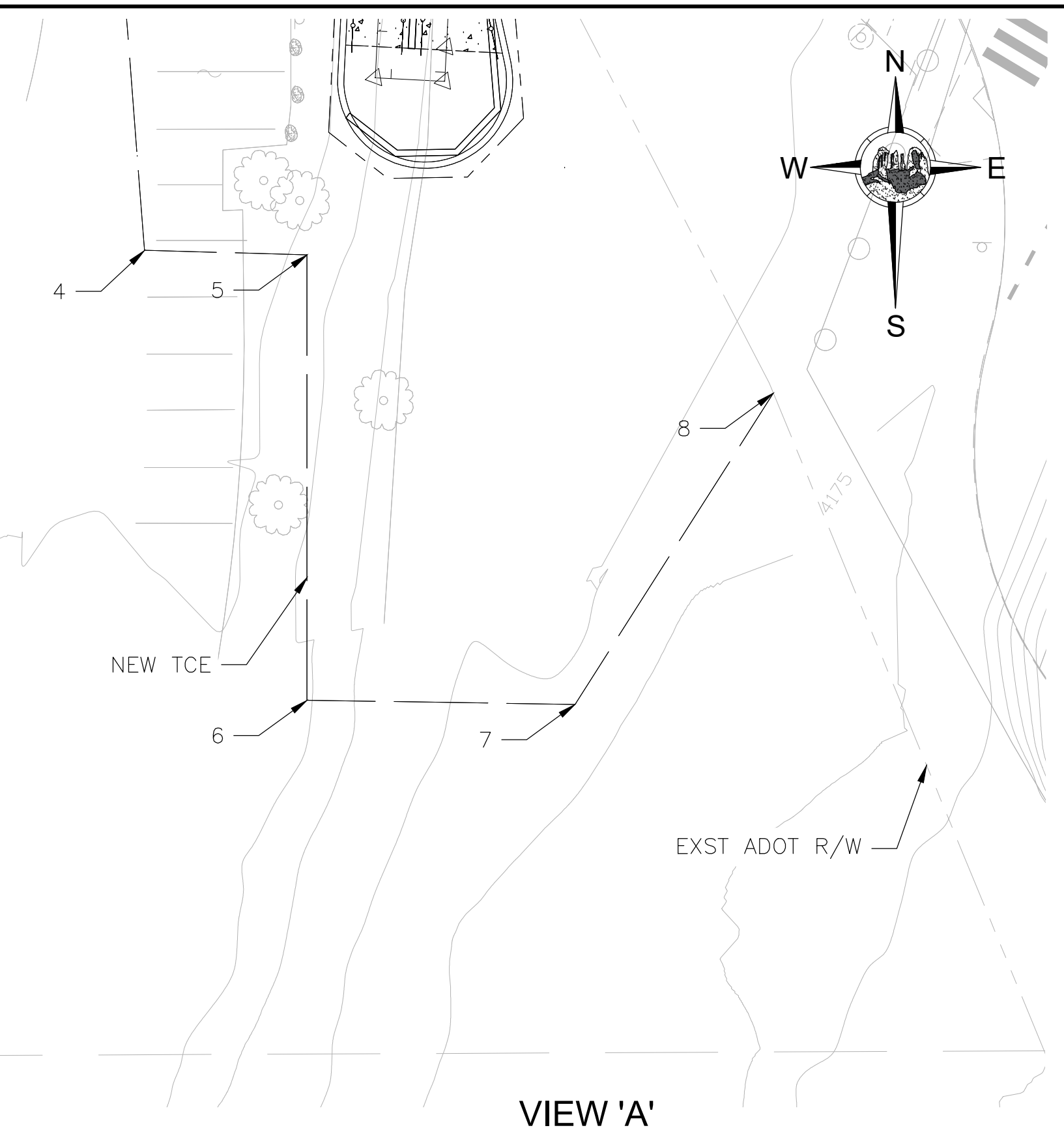
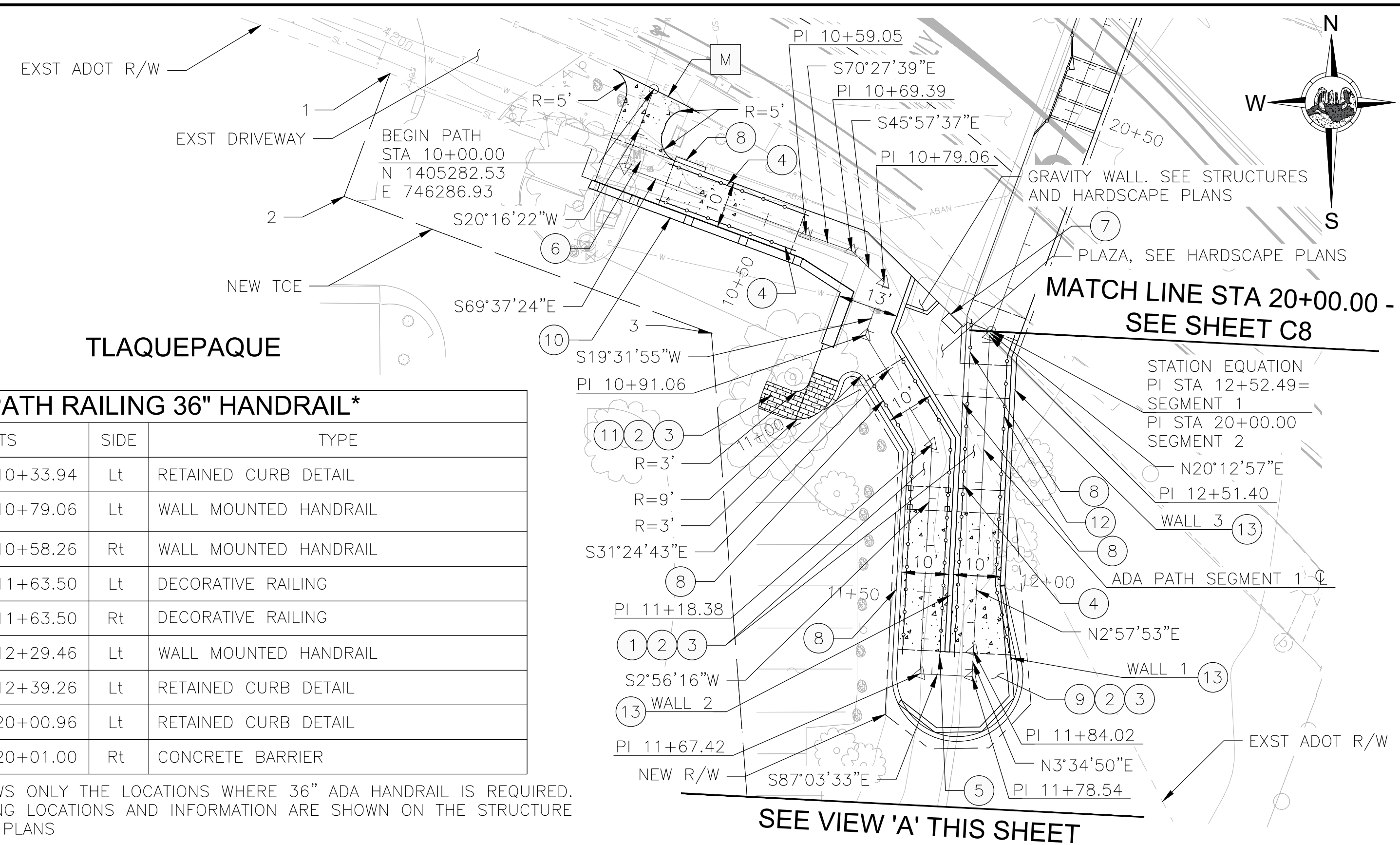
WSP USA Inc.
1230 W. Washington St.
Suite 405
Tempe, AZ 85281

CITY OF SEDONA
PUBLIC WORKS DEPARTMENT
102 ROADRUNNER DRIVE
SEDONA, ARIZONA 86336
928-204-7111

SR 179 PEDESTRIAN CROSSING
AT OAK CREEK
SEDONA ARIZONA

DEMOLITION PLAN SHEET

SHEET ID	
C6	
SHEET NO.	OF
6	45

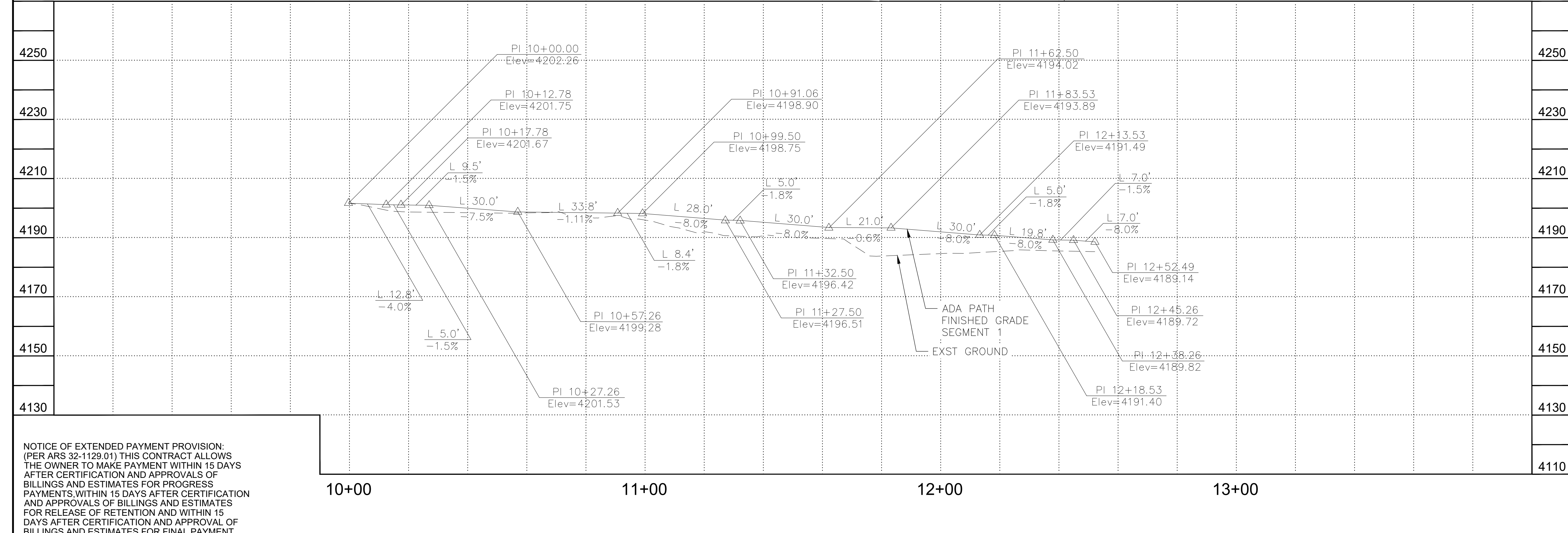


- ### CONSTRUCTION NOTES
- 1 SIDEWALK PER MAG DET 230, WIDTH VARIES SEE PLANS
 - 2 AGGREGATE BASE COURSE PER MAG SECTION 310
 - 3 SUBGRADE PREP PER MAG SECTION 301
 - 4 WALL MOUNTED HANDRAIL, SEE SHEET S10
 - 5 DECORATIVE RAILING, SEE SHEET S10
 - 6 ADJUST VALVE BOX AND COVER TO GRADE, PER AWC DTL
 - 7 RELOCATED WATER QUALITY BOX WITH LOCK
 - 8 RETAINED CURB DETAIL, SEE SHEET S10
 - 9 REINFORCED CONCRETE SLAB OVERHANG
 - 10 MASONRY WALL, SEE WALL PLANS
 - 11 CONCRETE PAVERS
 - 12 DECORATIVE CONCRETE BARRIER, SEE SHEET S7
 - 13 RETAINING WALL, SEE WALL PLANS
- M MATCH EXST
- ADDITIONAL NOTES:
1. CONTRACTOR TO LEAVE MINIMUM 12 FEET ACCESS WAY DURING CONSTRUCTION FOR ACCESS TO ADJACENT PROPERTIES.
 2. SEE DETAIL SHEETS FOR ADDITIONAL PATH EDGE CONTROL INFORMATION.
 3. RAMP HANDRAILS SHALL EXTEND HORIZONTAL ABOVE THE LANDING FOR 1-FT BEYOND THE TOP AND BOTTOM OF RAMP RUNS.
 4. CONTRACTOR SHALL TAKE MEASURES NECESSARY TO ENSURE THAT ALL EXISTING SYCAMORE TREES AND ROOTS ARE NOT DISTURBED OR ADVERSELY IMPACTED DURING CONSTRUCTION AND UPON CONSTRUCTION COMPLETION. SEE SPECIAL PROVISIONS.

PATH RAILING 36" HANDRAIL*

STATION LIMITS	SIDE	TYPE
STA 10+26.26 TO 10+33.94	Lt	RETAINED CURB DETAIL
STA 10+33.94 TO 10+79.06	Lt	WALL MOUNTED HANDRAIL
STA 10+26.26 TO 10+58.26	Rt	WALL MOUNTED HANDRAIL
STA 10+98.50 TO 11+63.50	Lt	DECORATIVE RAILING
STA 10+98.50 TO 11+63.50	Rt	DECORATIVE RAILING
STA 11+82.49 TO 12+29.46	Lt	WALL MOUNTED HANDRAIL
STA 12+29.46 TO 12+39.26	Lt	RETAINED CURB DETAIL
STA 12+44.26 TO 20+00.96	Lt	RETAINED CURB DETAIL
STA 11+82.66 TO 20+01.00	Rt	CONCRETE BARRIER

* THIS TABLE SHOWS ONLY THE LOCATIONS WHERE 36" ADA HANDRAIL IS REQUIRED. ADDITIONAL RAILING LOCATIONS AND INFORMATION ARE SHOWN ON THE STRUCTURE AND HARDSCAPE PLANS



TCE DATA

POINT #	NORTHING	EASTING
1	N=1405285.93	E=746230.51
2	N=1405259.63	E=746220.70
3	N=1405230.41	E=746299.28
4	N=1405130.06	E=746306.98
5	N=1405129.36	E=746332.97
6	N=1405058.15	E=746332.97
7	N=1405057.50	E=746375.80
8	N=1405107.25	E=746407.52

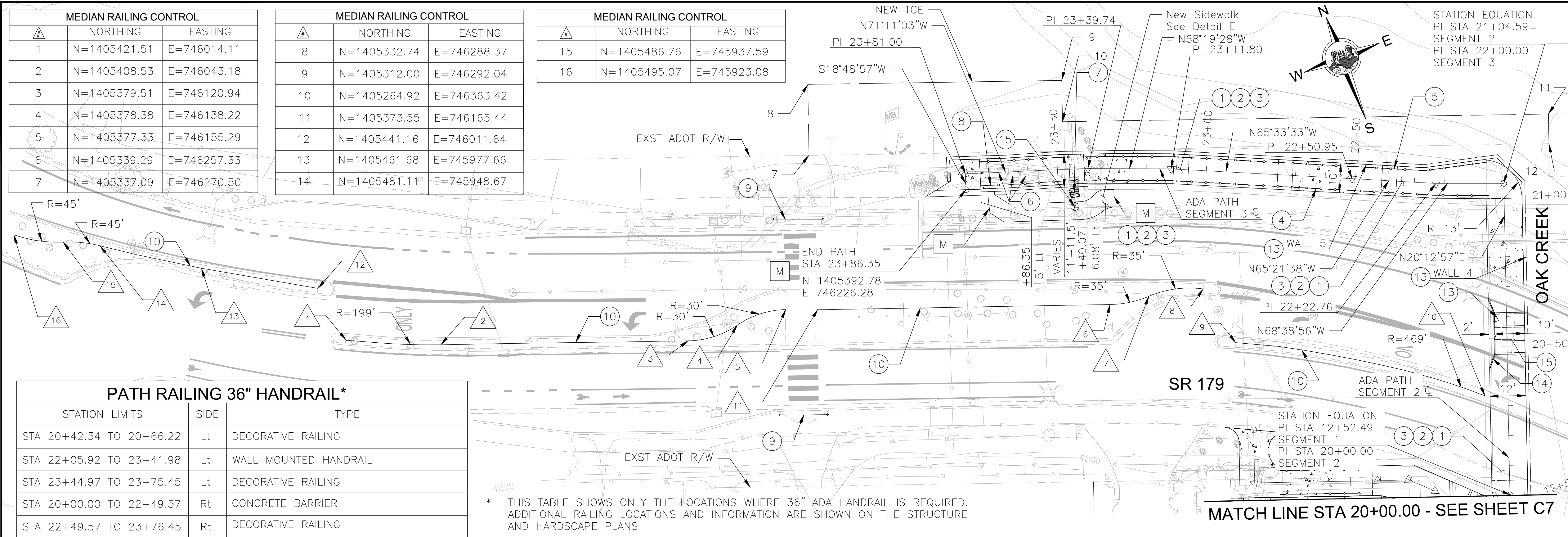
SCALE:
1" = 20' HORIZONTAL
1" = 2' VERTICAL

Contact Arizona 811 at least two full working days before you begin excavation

Call 811 or click Arizona811.com

NOTICE OF EXTENDED PAYMENT PROVISION: (PER ARS 32-1129.01) THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVALS OF BILLINGS AND ESTIMATES FOR PROGRESS PAYMENTS WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVALS OF BILLINGS AND ESTIMATES FOR RELEASE OF RETENTION AND WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVAL OF BILLINGS AND ESTIMATES FOR FINAL PAYMENT.

Symbol	Revisions	Date	Appr.	Designed by: JI	Date: 02/20/23				CITY OF SEDONA PUBLIC WORKS DEPARTMENT 102 ROADRUNNER DRIVE SEDONA, ARIZONA 86336 928-204-7111	SR 179 PEDESTRIAN CROSSING AT OAK CREEK SEDONA ARIZONA PLAN & PROFILE SHEET	SHEET ID	C7
				Drawn by: CPG	Scale: 1:20						SHEET NO.	7
				Checked by: JKF	Project Code: CIVIL						OF	45



MEDIAN RAILING CONTROL		
▲	NORTHING	EASTING
1	N=1405421.51	E=746014.11
2	N=1405408.53	E=746043.18
3	N=1405379.51	E=746120.94
4	N=1405378.38	E=746138.22
5	N=1405377.33	E=746155.29
6	N=1405339.29	E=746257.33
7	N=1405337.09	E=746270.50

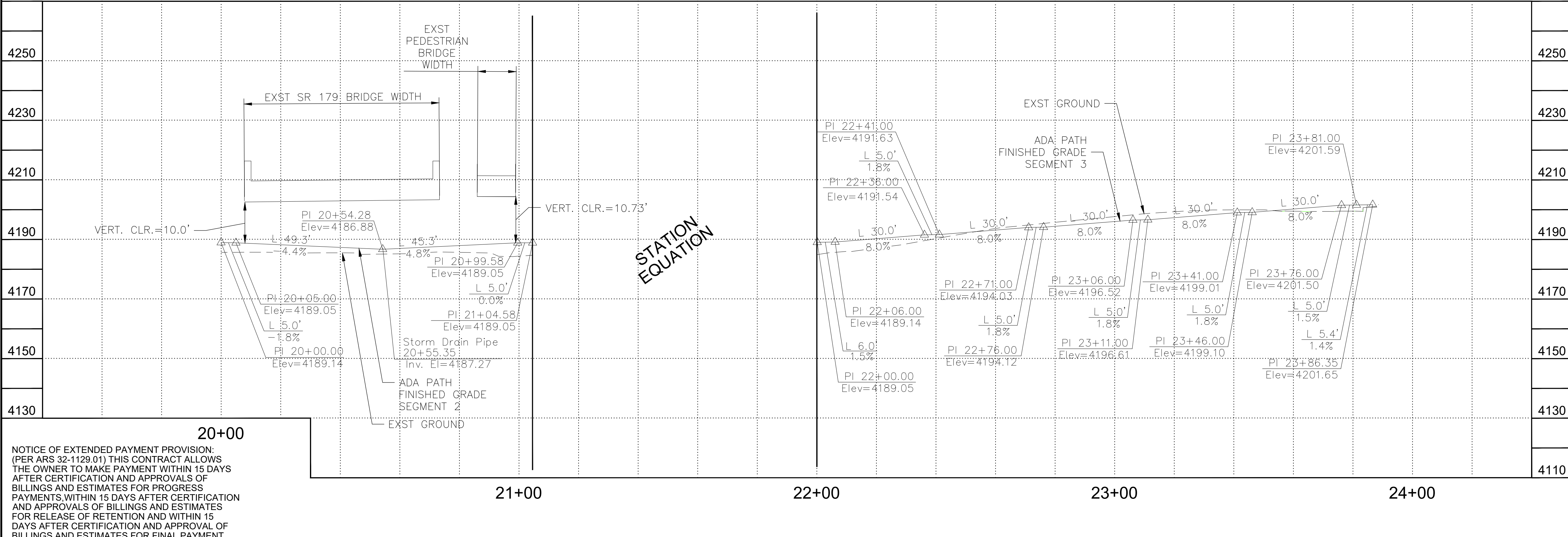
MEDIAN RAILING CONTROL		
▲	NORTHING	EASTING
8	N=1405332.74	E=746288.37
9	N=1405312.00	E=746292.04
10	N=1405264.92	E=746363.42
11	N=1405373.55	E=746165.44
12	N=1405441.16	E=746011.64
13	N=1405461.68	E=745977.66
14	N=1405481.11	E=745948.67

MEDIAN RAILING CONTROL		
▲	NORTHING	EASTING
15	N=1405486.76	E=745937.59
16	N=1405495.07	E=745923.08

PATH RAILING 36" HANDRAIL*		
STATION LIMITS	SIDE	TYPE
STA 20+42.34 TO 20+66.22	Lt	DECORATIVE RAILING
STA 22+05.92 TO 23+41.98	Lt	WALL MOUNTED HANDRAIL
STA 23+44.97 TO 23+75.45	Lt	DECORATIVE RAILING
STA 20+00.00 TO 22+49.57	Rt	CONCRETE BARRIER
STA 22+49.57 TO 23+76.45	Rt	DECORATIVE RAILING

* THIS TABLE SHOWS ONLY THE LOCATIONS WHERE 36" ADA HANDRAIL IS REQUIRED. ADDITIONAL RAILING LOCATIONS AND INFORMATION ARE SHOWN ON THE STRUCTURE AND HARDSCAPE PLANS

- ### CONSTRUCTION NOTES
- SIDEWALK PER MAG DET 230, WIDTH VARIES SEE PLANS
 - AGGREGATE BASE COURSE PER MAG SECTION 310
 - SUBGRADE PREP PER MAG SECTION 301
 - WALL MOUNTED HANDRAIL, SEE SHEET S10
 - DECORATIVE RAILING, SEE SHEET S10
 - REPLACE AND ADJUST PULL BOX COVER TO GRADE, BY OTHERS
 - RELOCATED FIRE HYDRANT, SEE DETAIL F, SHEET C11
 - RETAINED CURB DETAIL SEE SHEET S10
 - BOLLARDS WITH CHAIN, SEE SHEET C2
 - DECORATIVE RAILING WITHOUT HANDRAIL, PER MAG STD DET 145 TYPE 4, GROUND INSTALLATION DETAIL
 - REINFORCED CONCRETE CANTILEVER RETAINING WALL, SEE WALL PLANS
 - SCUPPER AND TRENCH DRAIN, SEE EROSION PROTECTION PLANS
 - 3 FT MAN GATE WITH LOCK, SEE SHEET HD-4
 - DECORATIVE RAILING WITHOUT HANDRAIL, SEE SHEET S10
 - RELOCATED WATER VALVE, SEE DETAIL F, SHEET C11
- M MATCH EXST



- ADDITIONAL NOTES:
- CONTRACTOR TO LEAVE MINIMUM 12 FEET ACCESS WAY DURING CONSTRUCTION FOR ACCESS TO ADJACENT PROPERTIES.
 - SEE DETAIL SHEETS FOR ADDITIONAL PATH EDGE CONTROL INFORMATION.
 - RAMP HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 1-FT BEYOND THE TOP AND BOTTOM OF RAMP RUNS.

TCE DATA		
POINT #	NORTHING	EASTING
7	N=1405422.70	E=746181.41
8	N=1405445.01	E=746189.73
9	N=1405415.22	E=746269.62
10	N=1405402.24	E=746264.78
11	N=1405345.22	E=746417.70
12	N=1405335.90	E=746414.23

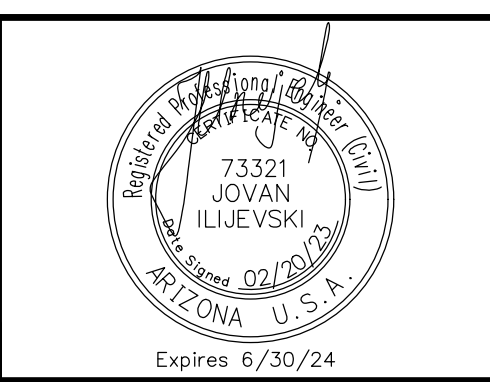
SCALE:
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1" = 2' VERTICAL

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20+00

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Symbol	Revisions	Date	Appr.	Designed by:	Date:
				JJ	02/20/23
				CPG	1:20
				JKF	CIVIL



wsp

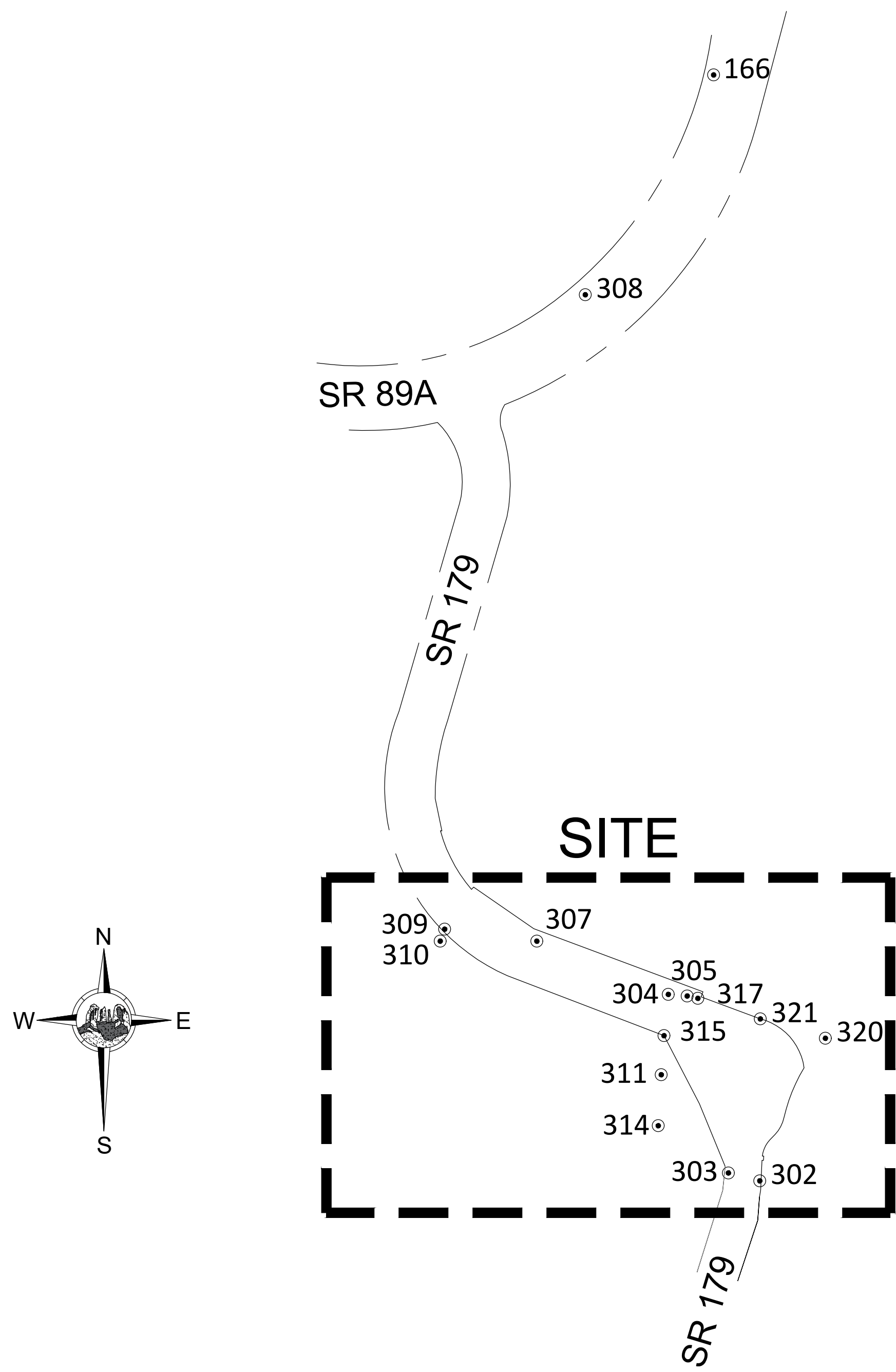
WSP USA Inc.
1230 W. Washington St.
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Tempe, AZ 85281

CITY OF SEDONA
PUBLIC WORKS DEPARTMENT
 102 ROADRUNNER DRIVE
 SEDONA, ARIZONA 86336
 928-204-7111

SR 179 PEDESTRIAN CROSSING
AT OAK CREEK
SEDONA ARIZONA

PLAN & PROFILE SHEET

SHEET ID	
C8	
SHEET NO.	OF
8	45



BASIS OF SURVEY CONTROL

HORIZONTAL AND VERTICAL DATA IS BASED ON THE CITY OF SEDONA CONTROL SURVEY PERFORMED BY SHEPARD WESNITZER, INC., PROJECT NO. 06237, DATED 11/02/2007.

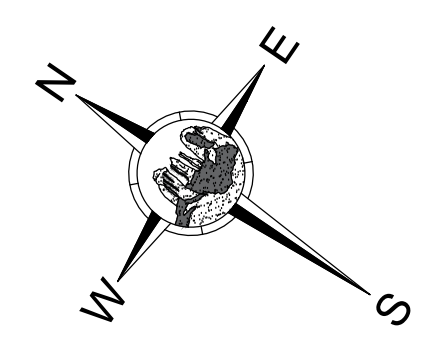
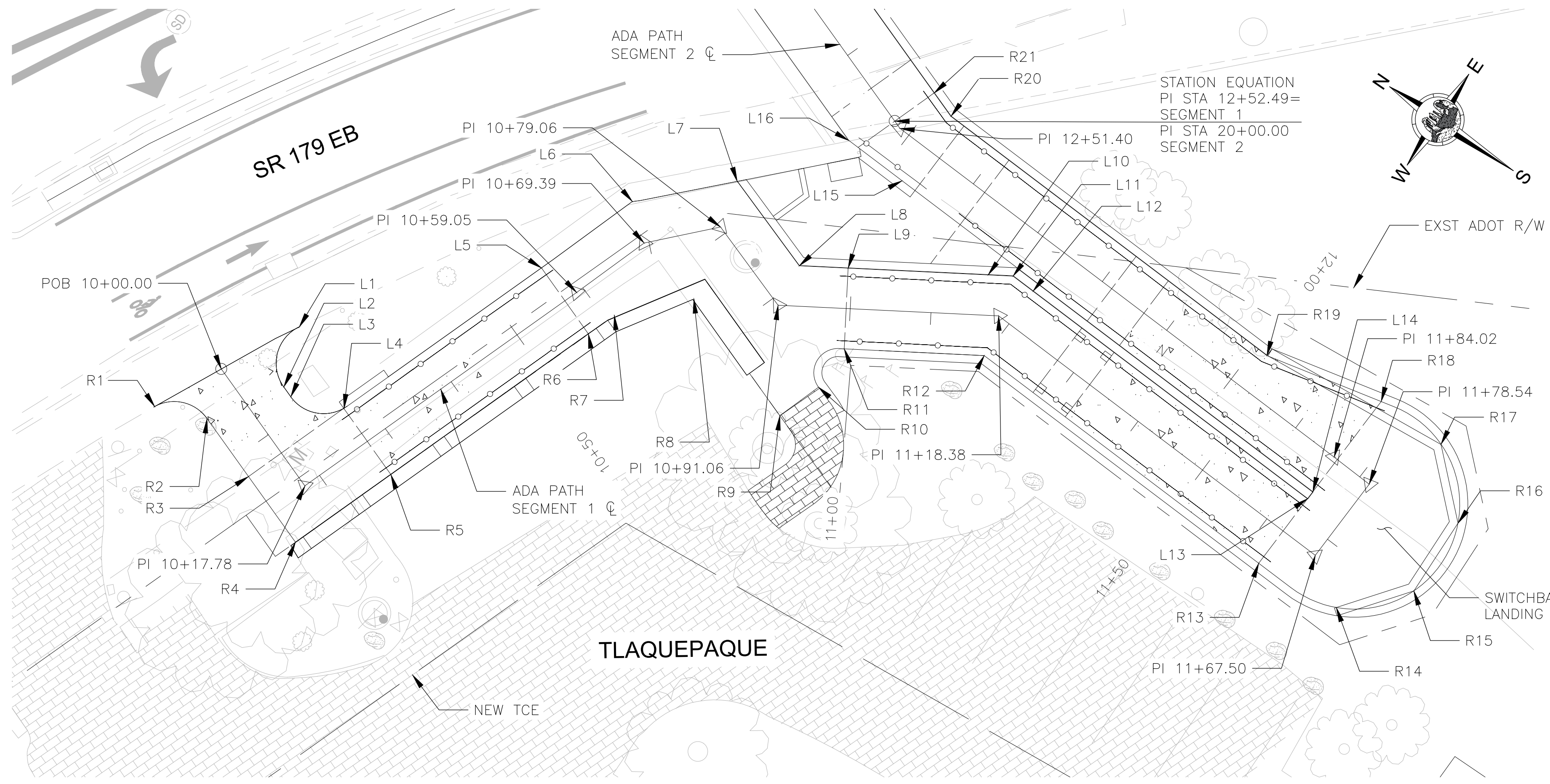
COORDINATE SYSTEM DETAILS

GEODETIC DATUM: NAD 1983 (NSRS 2007)
 VERTICAL DATUM: NAVD 1988
 SYSTEM: STATE PLANE COORDINATE SYSTEM (CITY OF SEDONA)
 ZONE: ARIZONA CENTRAL 0202

**COORDINATE SYSTEM DETAIL
BENCHMARKS**

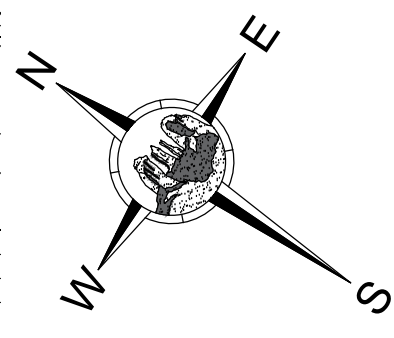
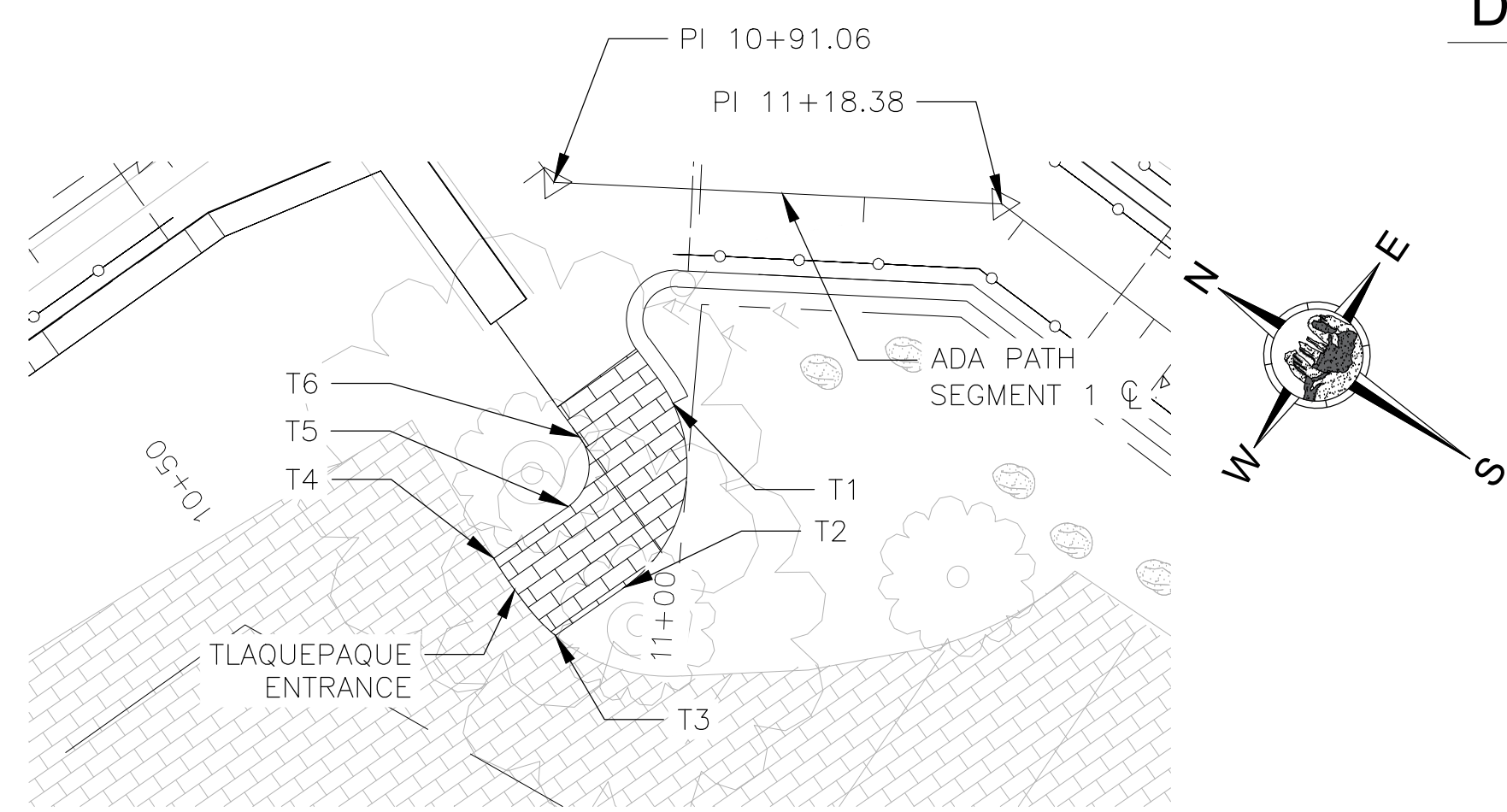
Point Table				
Point #	Raw Description	Northing	Easting	Elevation
166	FOUND ALUMINUM CAP STAMPED 1978 PROJECT BENCHMARK	1407195.71	746435.76	4301.82
302	FOUND NAIL & WASHER STAMPED RM PLS 19817	1404952.43	746529.40	4208.16
303	SCRIBED X SITE TEMPORARY BENCHMARK	1404968.34	746465.75	4207.45
304	SCRIBED X SITE TEMPORARY BENCHMARK	1405330.54	746343.86	4203.57
305	FOUND ALUMINUM CAP STAMPED ADOT	1405327.37	746382.24	4204.58
307	SCRIBED X SITE TEMPORARY BENCHMARK	1405438.58	746077.11	4201.01
308	FD ALUMINUM CAP STAMPED 4281.77 PROJECT SECONDARY BENCHMARK	1406749.83	746175.50	4285.29
309	SCRIBED X SITE TEMPORARY BENCHMARK	1405462.86	745890.27	4204.67
310	FD ALUMINUM CAP STAMPED ADOT	1405438.71	745881.26	4198.70
311	SCRIBED X SITE TEMPORARY BENCHMARK	1405167.60	746329.54	4197.27
314	FOUND REBAR & CAP	1405064.17	746323.44	4194.82
315	FOUND ALUMINUM CAP IN CONCRETETE STAMPED ADOT 259+70.76	1405246.86	746335.28	4199.09
317	SET REBAR SITE TEMPORARY BENCHMARK	1405322.53	746403.86	4182.30
320	FOUND COTTON PICKER SPINDLE	1405241.62	746662.60	4209.78
321	FOUND ALUMINUM CAP STAMPED ADOT 257+99.49 PLS 19817	1405280.76	746530.67	4189.26

Symbol	Revisions	Date	Appr.	Designed by: RA	Date: 5/12/2021				CITY OF SEDONA PUBLIC WORKS DEPARTMENT 102 ROADRUNNER DRIVE SEDONA, ARIZONA 86336 928-204-7111	SR 179 PEDESTRIAN CROSSING AT OAK CREEK SEDONA, ARIZONA	SHEET ID C9	
				Drawn by: CJ	Scale: NOT TO SCALE					CONTROL SHEET	SHEET NO. 9	OF 40
				Checked by: JM	Project Code: SURVEY							

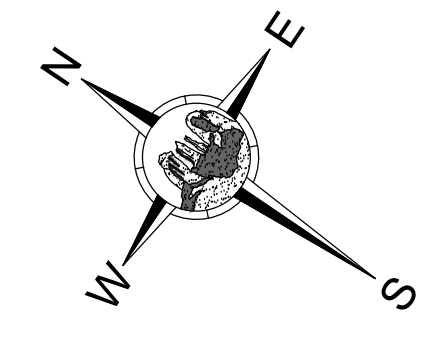
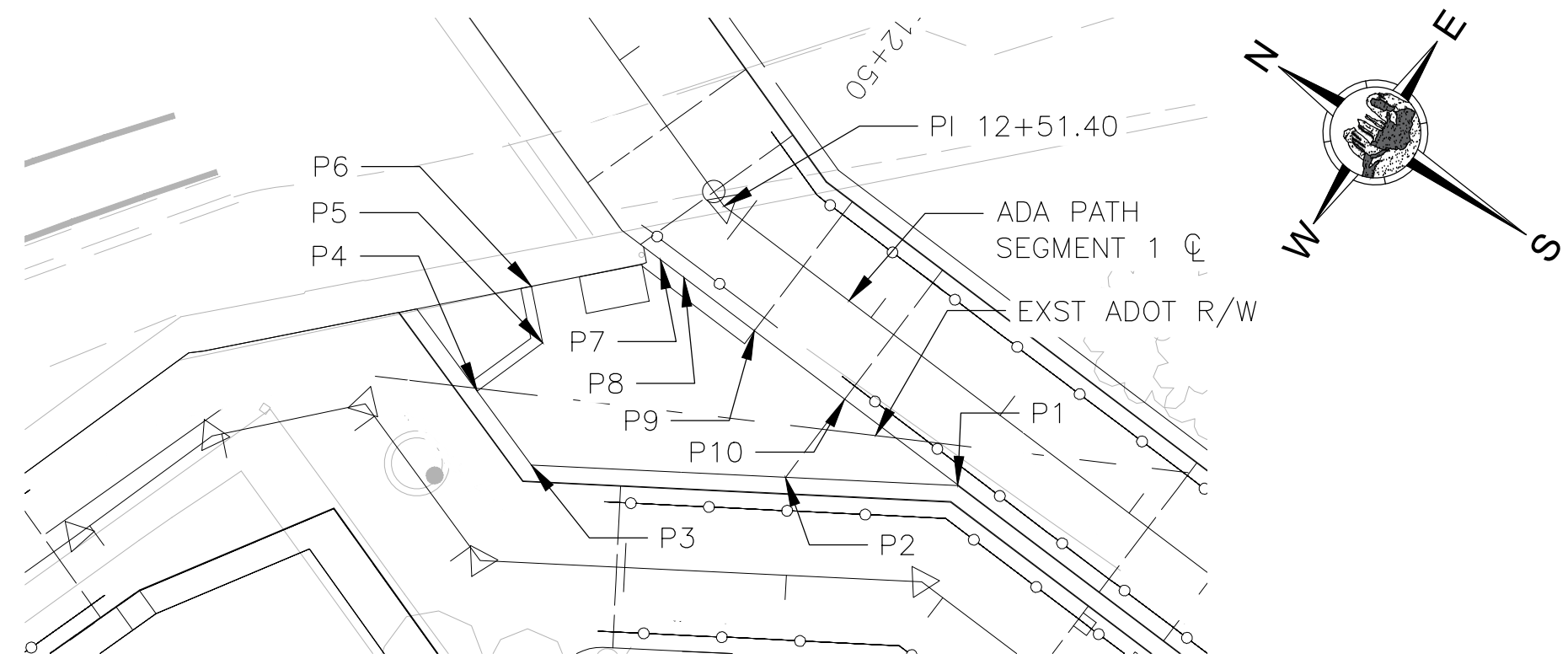


PATH EDGE CONTROL				PATH EDGE CONTROL			
POINT #	NORTHING	EASTING	ELEVATION	POINT #	NORTHING	EASTING	ELEVATION
L1	N=1405277.48	E=746296.64	MATCH EXST	P1	N=1405208.18	E=746352.55	4190.56
L2	N=1405274.89	E=746289.44	4201.88	P2	N=1405217.28	E=746346.10	4189.92
L3	N=1405273.49	E=746288.92	4201.61	P3	N=1405230.69	E=746338.80	4189.86
L4	N=1405267.23	E=746291.40	4199.34	P4	N=1405236.04	E=746340.70	4189.89
L5	N=1405256.78	E=746319.52	4199.14	P5	N=1405234.36	E=746345.44	4189.84
L6	N=1405252.12	E=746332.64	4198.99	P6	N=1405236.83	E=746348.01	4189.84
L7	N=1405242.78	E=746341.99	4198.86	P7	N=1405231.13	E=746353.78	4189.78
L8	N=1405230.57	E=746337.66	4198.82	P8	N=1405228.95	E=746353.67	4189.74
L9	N=1405225.40	E=746340.81	4197.45	P9	N=1405223.95	E=746353.41	4189.80
L10	N=1405210.63	E=746349.83	4197.25	P10	N=1405216.96	E=746353.05	4189.86
L11	N=1405207.95	E=746351.46	4197.05	T1	N=1405216.44	E=746325.09	4198.15
L12	N=1405204.88	E=746351.30	4193.95	T2	N=1405212.60	E=746314.10	4198.56
L13	N=1405162.37	E=746349.12	4193.95	T3	N=1405214.42	E=746309.36	MATCH EXIST
L14	N=1405162.31	E=746350.22	4189.64	T4	N=1405220.17	E=746311.14	MATCH EXIST
L15	N=1405225.96	E=746353.51	4189.08	T5	N=1405218.19	E=746316.29	4198.65
L16	N=1405232.78	E=746353.87	4202.24	T6	N=1405219.98	E=746320.20	4198.89
R1	N=1405286.79	E=746278.35	MATCH EXST				
R2	N=1405278.35	E=746280.06	4202.24				
R3	N=1405272.23	E=746277.82	4202.09				
R4	N=1405262.91	E=746274.36	4201.67				
R5	N=1405257.87	E=746287.92	4201.46				
R6	N=1405247.43	E=746316.05	4199.21				
R7	N=1405246.05	E=746319.75	4199.17				
R8	N=1405239.07	E=746326.97	4199.00				
R9	N=1405222.14	E=746320.96	4198.83				
R10	N=1405220.15	E=746326.57	4198.74				
R11	N=1405220.19	E=746332.28	4198.68				
R12	N=1405205.40	E=746341.31	4197.29				
R13	N=1405162.88	E=746339.13	4194.08				
R14	N=1405151.85	E=746339.99	4194.01				
R15	N=1405145.08	E=746347.08	4193.94				
R16	N=1405145.26	E=746357.08	4193.88				
R17	N=1405152.50	E=746363.99	4193.83				
R18	N=1405161.59	E=746364.20	4193.75				
R19	N=1405176.47	E=746360.96	4192.64				
R20	N=1405225.44	E=746363.50	4189.49				
R21	N=1405228.78	E=746364.73	4189.23				

DETAIL A
1"=10'-0"



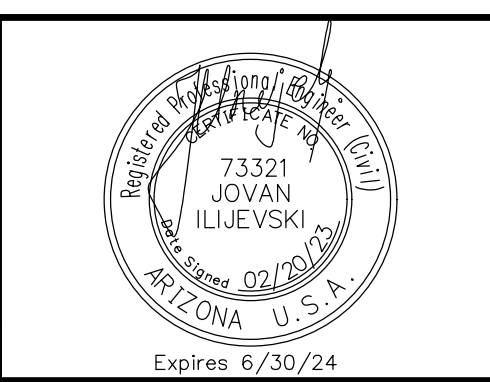
DETAIL C
1"=10'-0"



DETAIL B
1"=10'-0"

Symbol	Revisions	Date	Appr.

Designed by: JI	Date: 02/20/2023
Drawn by: CPG	Scale: NOT TO SCALE
Checked by: JKF	Project Code: CIVIL



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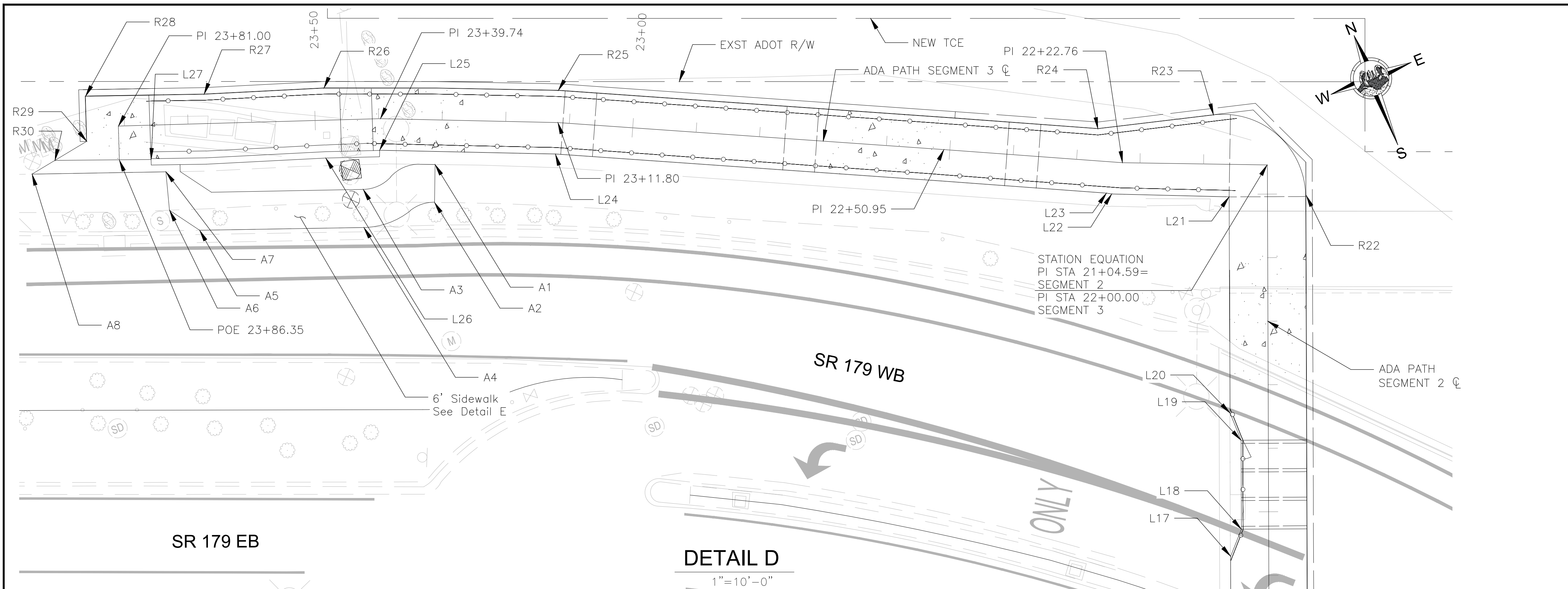
CITY OF SEDONA

PUBLIC WORKS DEPARTMENT
102 ROADRUNNER DRIVE
SEDONA, ARIZONA 86336
928-204-7111

SR 179 PEDESTRIAN CROSSING
AT OAK CREEK
SEDONA ARIZONA

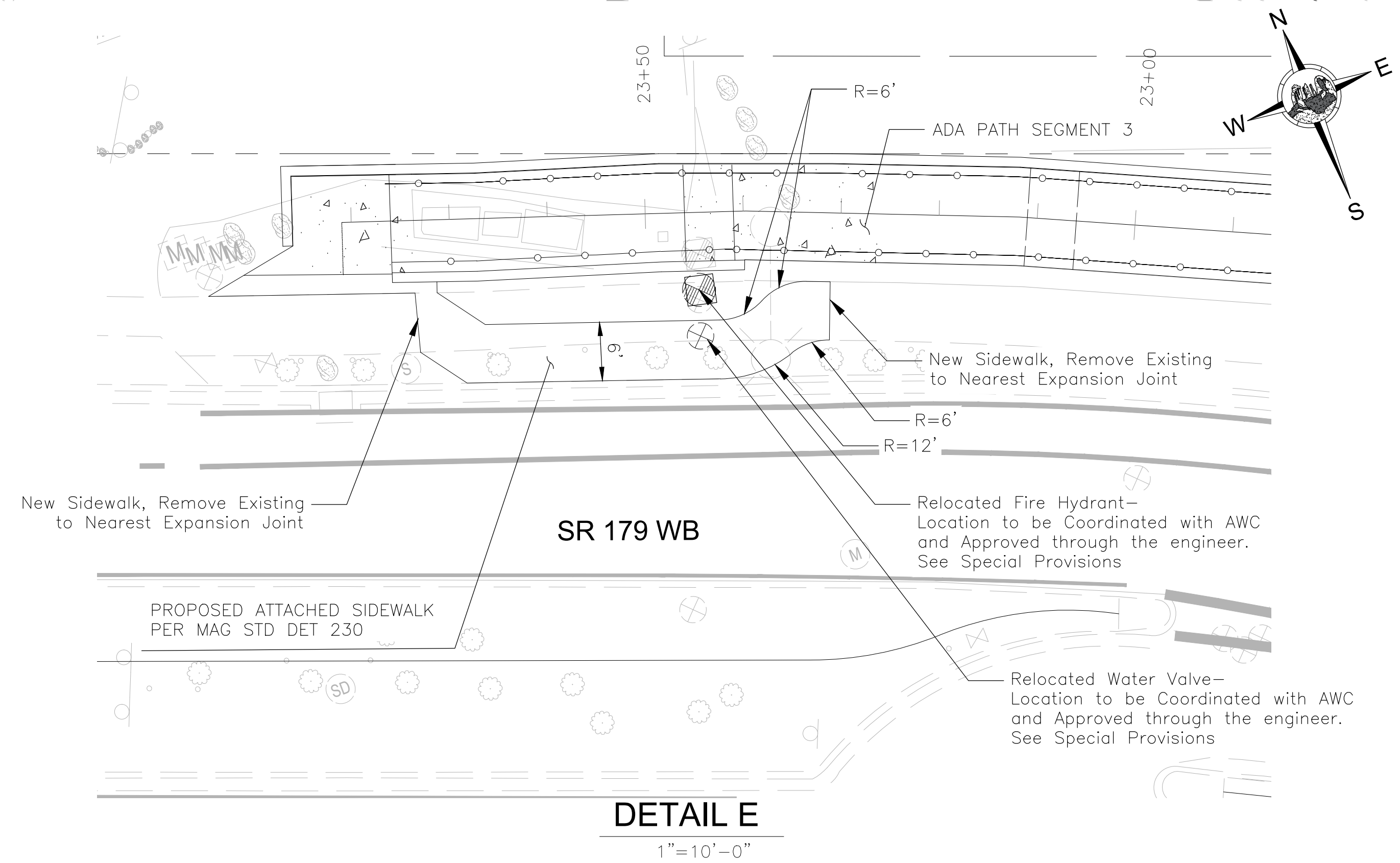
DETAIL SHEET 1

SHEET ID C10	
SHEET NO. 10	OF 45



PATH EDGE CONTROL			
POINT #	NORTHING	EASTING	ELEVATION
L17	N=1405273.28	E=746368.35	4187.47
L18	N=1405276.70	E=746371.43	4187.25
L19	N=1405289.83	E=746376.27	4187.28
L20	N=1405294.43	E=746376.14	4187.51
L21	N=1405326.37	E=746387.88	4189.16
L22	N=1405333.26	E=746370.74	4190.89
L23	N=1405333.67	E=746370.01	4199.00
L24	N=1405369.71	E=746290.94	4201.19
L25	N=1405378.92	E=746295.23	4201.70
L26	N=1405381.73	E=746256.84	4202.00
L28	N=1405391.22	E=746231.06	MATCH EXST
R22	N=1405322.22	E=746399.18	4188.96
R23	N=1405339.31	E=746390.09	4189.06
R24	N=1405343.63	E=746372.29	4190.75
R25	N=1405385.28	E=746278.72	4196.60
R26	N=1405392.13	E=746260.42	4199.23
R27	N=1405397.81	E=746242.42	4201.39
R28	N=1405404.03	E=746224.83	4201.55
R29	N=1405397.31	E=746222.14	4201.62
R30	N=1405395.77	E=746218.07	4201.60

DETAIL D
1"=10'-0"

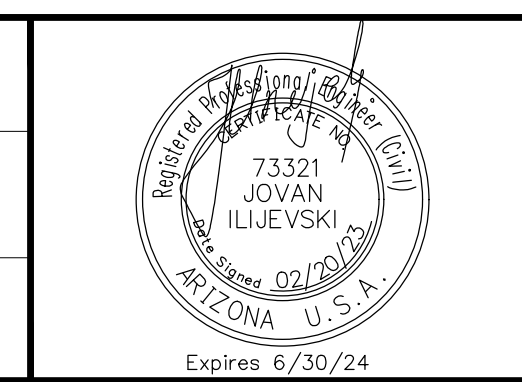


SR 179 SIDEWALK CONTROL			
POINT #	NORTHING	EASTING	ELEVATION
A1	N=1405374.59	E=746272.61	MATCH EXST
A2	N=1405369.21	E=746270.45	MATCH EXST
A3	N=1405375.05	E=746260.66	4201.53
A4	N=1405369.39	E=746258.66	4201.08
A5	N=1405378.00	E=746234.30	4201.58
A6	N=1405382.83	E=746230.27	MATCH EXST
A7	N=1405388.55	E=746232.29	MATCH EXST
A8	N=1405395.49	E=746212.67	MATCH EXST

DETAIL E
1"=10'-0"

Symbol	Revisions	Date	Appr.

Designed by:	Date:
JI	02/20/2023
Drawn by:	Scale:
CPG	NOT TO SCALE
Checked by:	Project Code:
JKF	CIVIL



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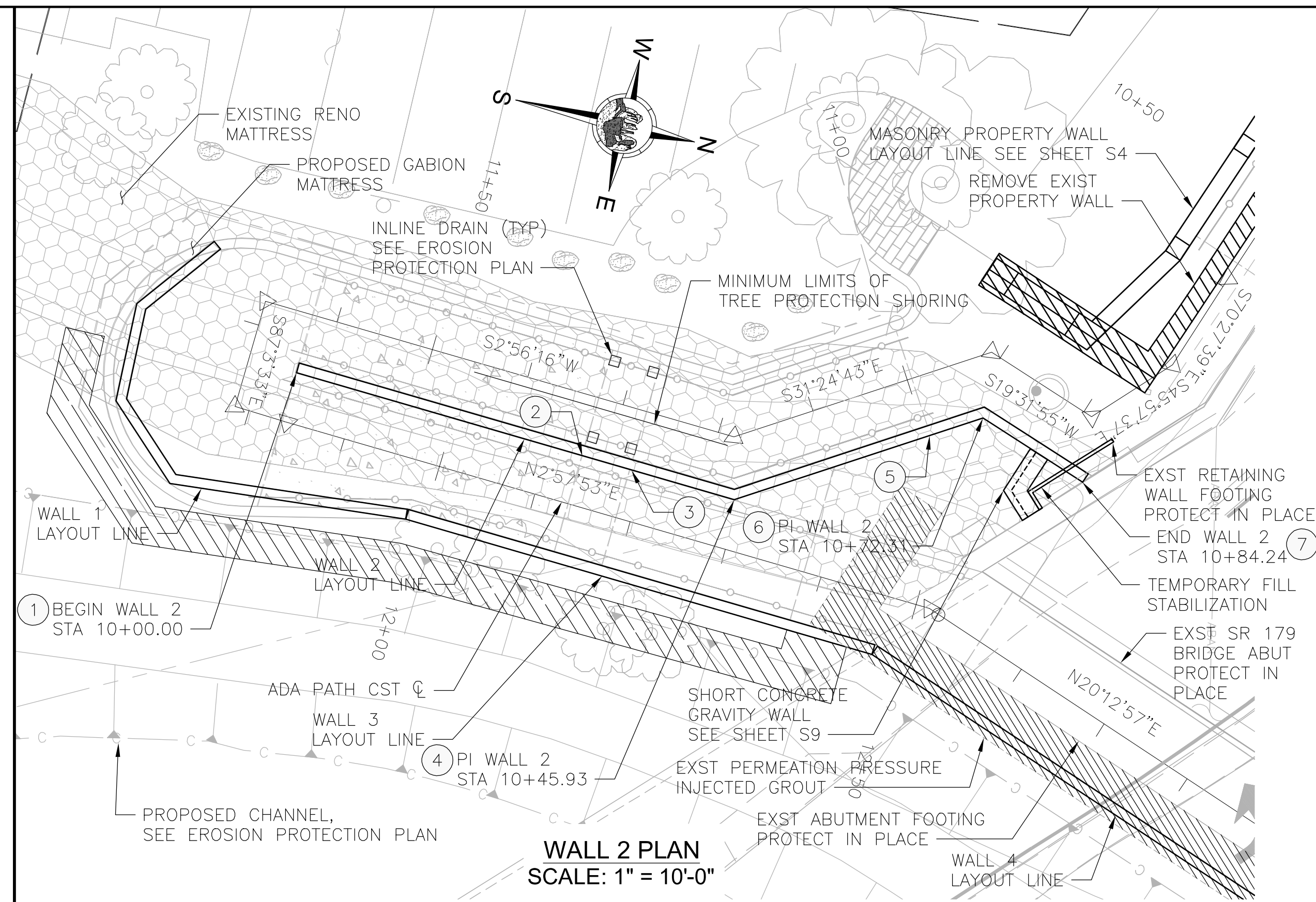
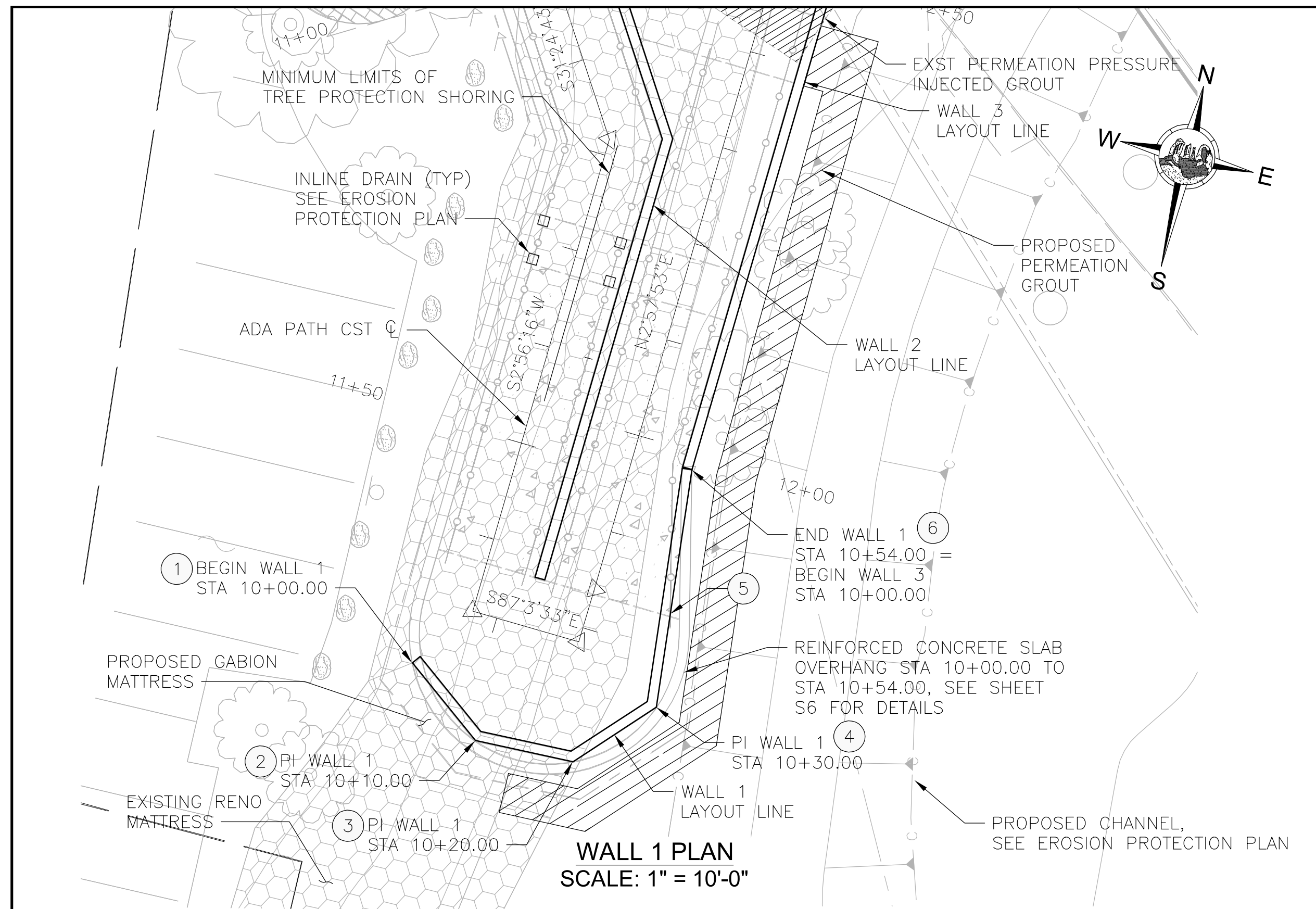
WSP USA Inc.
1230 W. Washington St.
Suite 405
Tempe, AZ 85281

CITY OF SEDONA
PUBLIC WORKS DEPARTMENT
102 ROADRUNNER DRIVE
SEDONA, ARIZONA 86336
928-204-7111

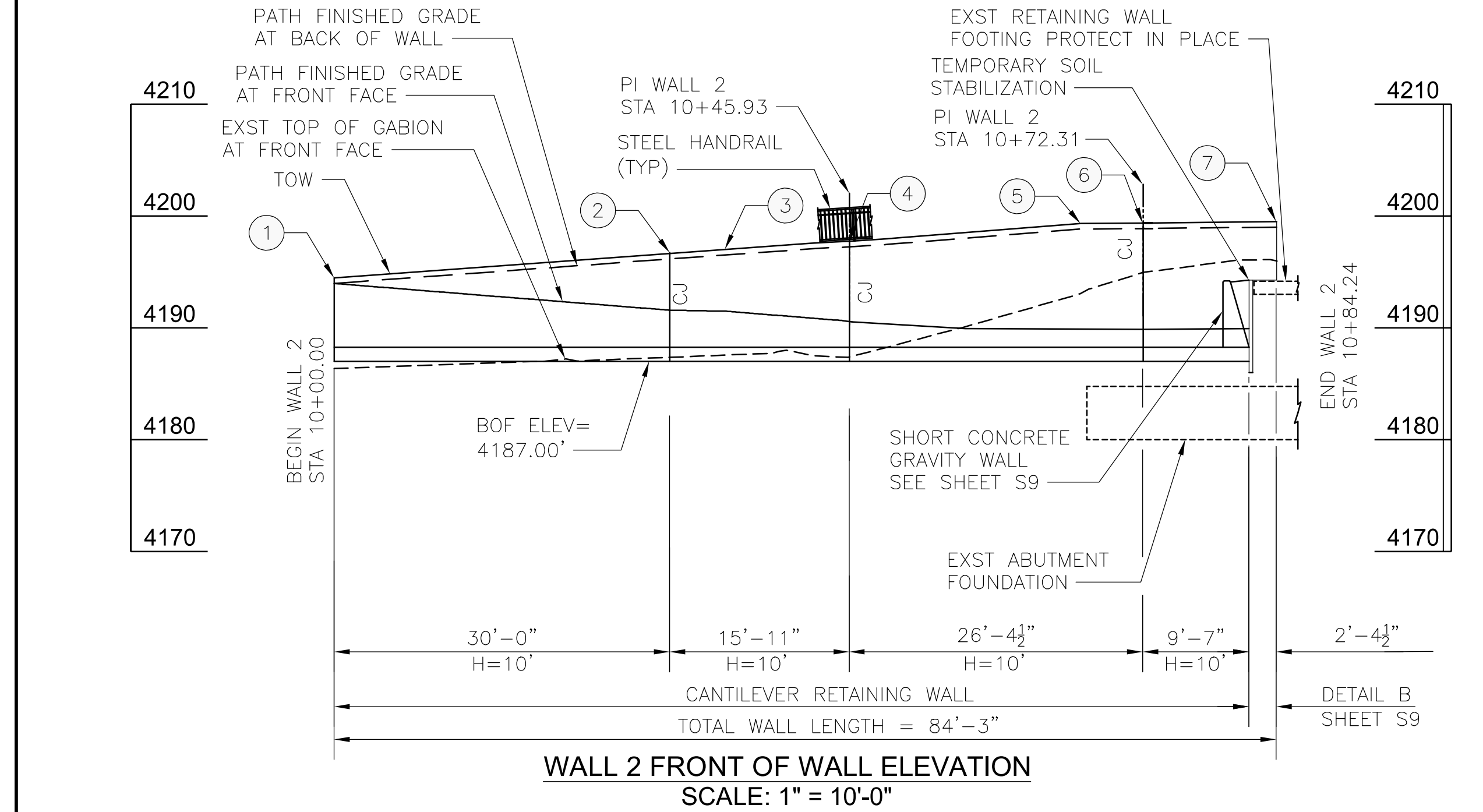
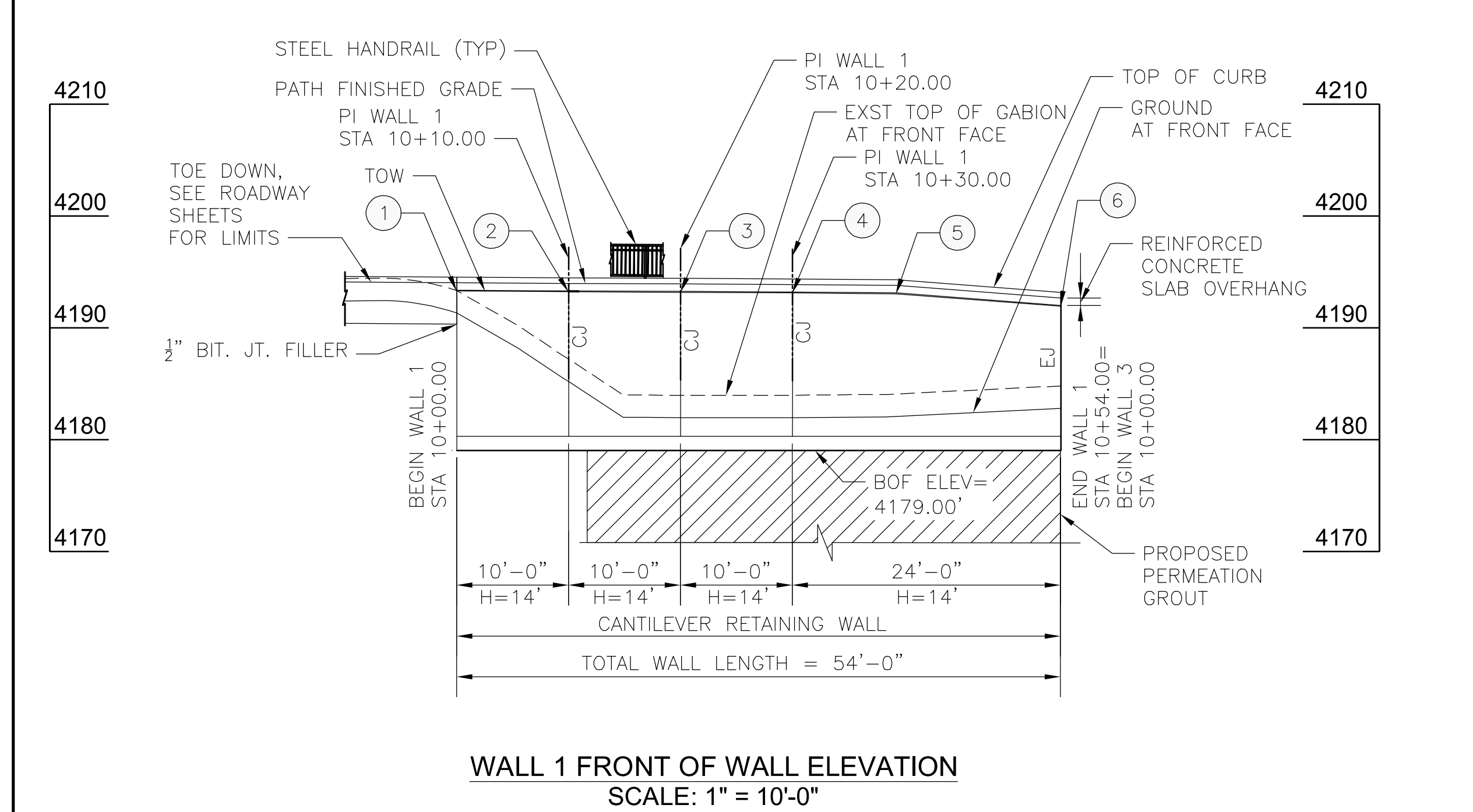
SR 179 PEDESTRIAN CROSSING
AT OAK CREEK
SEDONA, ARIZONA

DETAIL SHEET 2

SHEET ID	
C11	
SHEET NO.	OF
11	45



- NOTES:
1. GEOMETRY IS BASED ON A FIELD SURVEY AND AS-BUILT INFORMATION. THE CONTRACTOR SHALL FIELD VERIFY ALL CONTROLLING DIMENSIONS PRIOR TO ORDERING OR FABRICATING MATERIALS.
 2. ALL STATIONS, ELEVATIONS AND MEASUREMENTS SHOWN ARE TAKEN FROM RETAINING WALL LAYOUT LINE.
 3. SEE SHEET S6 FOR CONCRETE RETAINING WALL DETAILS, DIMENSIONS AND REINFORCING STEEL.
 4. BOTTOM OF WALL ELEVATIONS SHOWN IN TABLES INDICATE THE LOWER STEP ELEVATION AT THE RESPECTIVE LOCATION.
 5. CJ = CONSTRUCTION JOINT
EJ = EXPANSION JOINT.
SEE ADOT SD 7.01 (SHEET 2 OF 5) FOR DETAILS.
 6. CONTRACTOR MAY SUBMIT CONCRETE MASONRY BLOCK ALTERNATIVE IN PLACE OF SPECIFIED REINFORCED CONCRETE RETAINING WALLS. CONTRACTOR SHALL SUBMIT SEALED CALCULATIONS AND SHOP DRAWINGS FOR DESIGN TO BE APPROVED BY THE ENGINEER.
 7. CONTRACTOR SHALL VERIFY LIMITS OF EXISTING PERMEATION PRESSURE INJECTED GROUT. IF FIELD DISCREPANCIES ARE FOUND, CONTRACTOR SHALL CONTACT ENGINEER BEFORE PROCEEDING WITH WORK.



WALL 1 ELEVATIONS

PT	NORTHING	EASTING	TOW ELEV	BOW ELEV
1	1405151.21	746339.19	4193.25	4180.25
2	1405145.07	746347.08	4193.18	4180.25
3	1405145.26	746357.08	4193.13	4180.25
4	1405152.47	746363.96	4193.08	4180.25
5	1405161.64	746363.21	4193.00	4180.25
6	1405176.41	746362.00	4191.89	4180.25

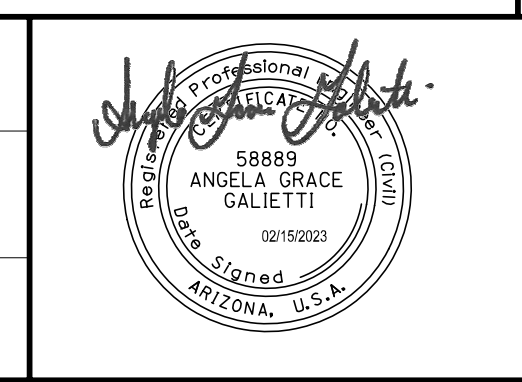
WALL 2 ELEVATIONS

PT	NORTHING	EASTING	TOW ELEV	BOW ELEV
1	1405162.31	746350.18	4194.46	4188.17
2	1405192.27	746351.73	4196.64	4188.17
3	1405197.26	746351.99	4197.01	4188.17
4	1405208.18	746352.55	4197.73	4188.17
5	1405235.17	746340.39	4199.31	4188.17
6	1405230.69	746338.80	4199.37	4188.17
7	1405241.93	746342.79	4199.49	4194.25

NOTICE OF EXTENDED PAYMENT PROVISION:
(PER ARS 32-1129.01) THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVALS OF BILLINGS AND ESTIMATES FOR PROGRESS PAYMENTS WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVALS OF BILLINGS AND ESTIMATES FOR RELEASE OF RETENTION AND WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVAL OF BILLINGS AND ESTIMATES FOR FINAL PAYMENT.

Symbol	Revisions	Date	Appr.

Designed by:	LES	Date:	02/15/2023
Drawn by:	JB	Scale:	AS NOTED
Checked by:	AGG	Project Code:	STRUCTURAL



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1230 W. Washington St.
Suite 400
Tempe, AZ 85281

**CITY OF SEDONA
PUBLIC WORKS DEPARTMENT
102 ROADRUNNER DRIVE
SEDONA, ARIZONA 86336
928-204-7111**

SR 179 PEDESTRIAN CROSSING
AT OAK CREEK
SEDONA ARIZONA

**RETAINING WALL
PLAN & ELEVATION WALL 1 & 2**

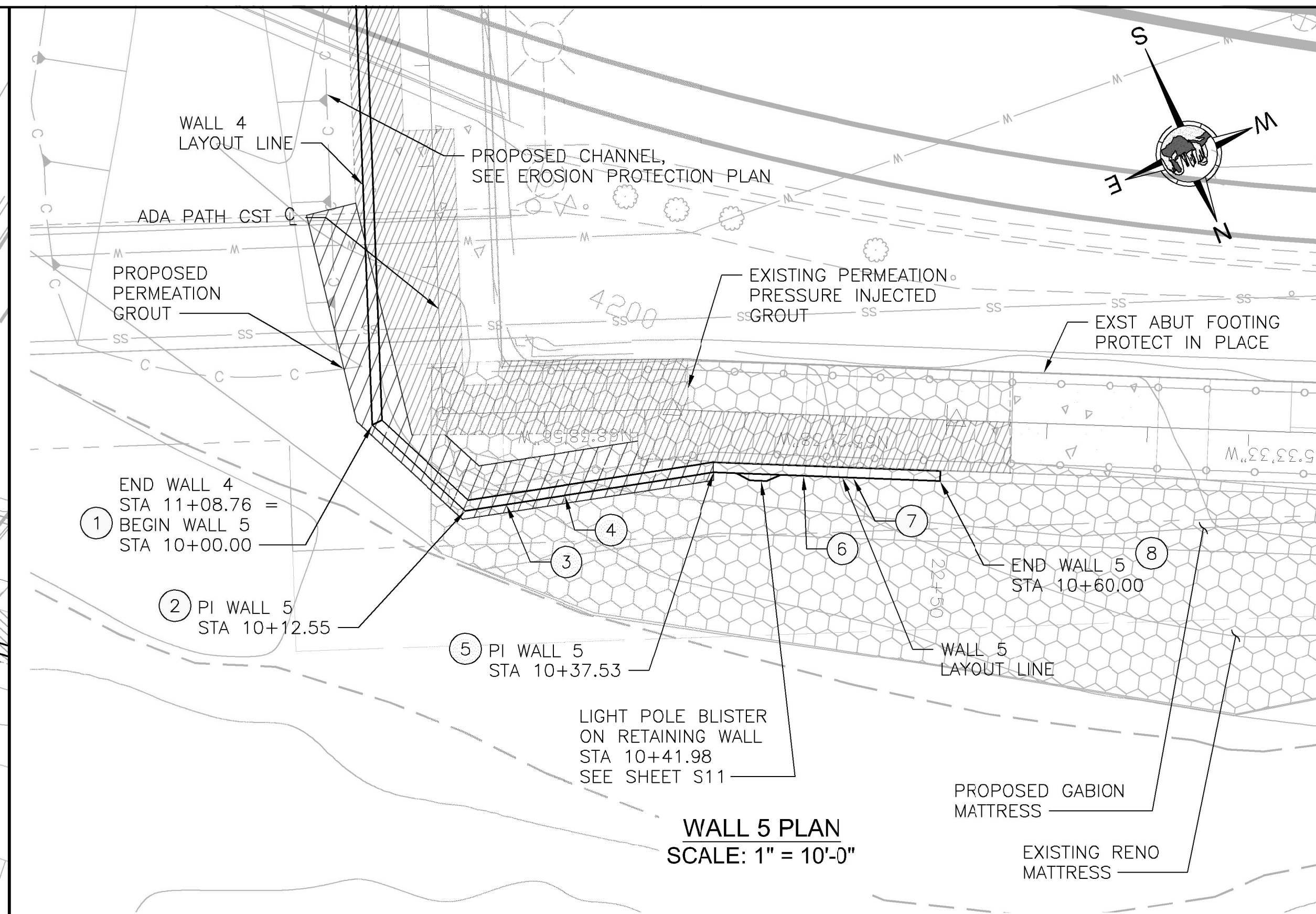
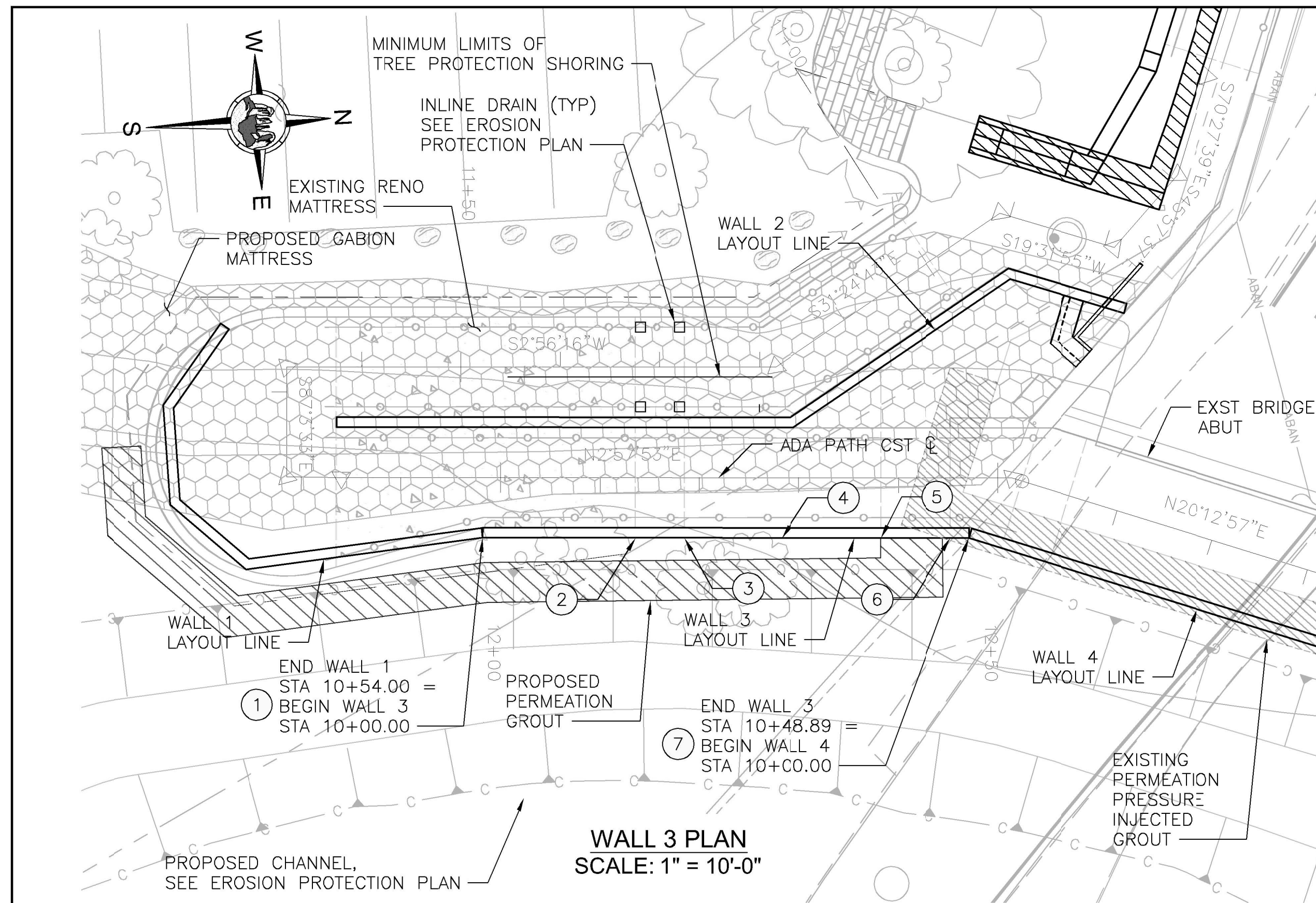
SHEET ID

S1

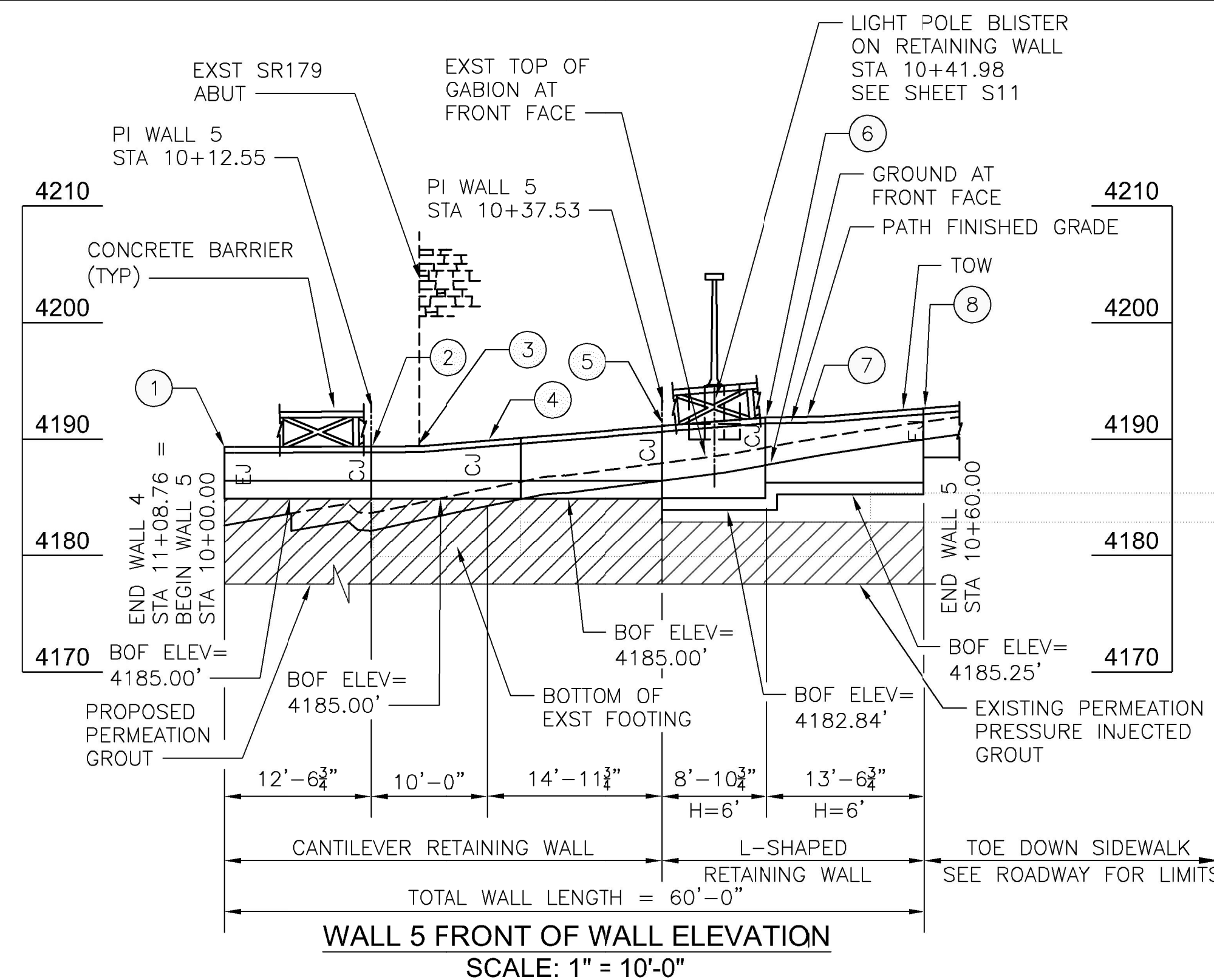
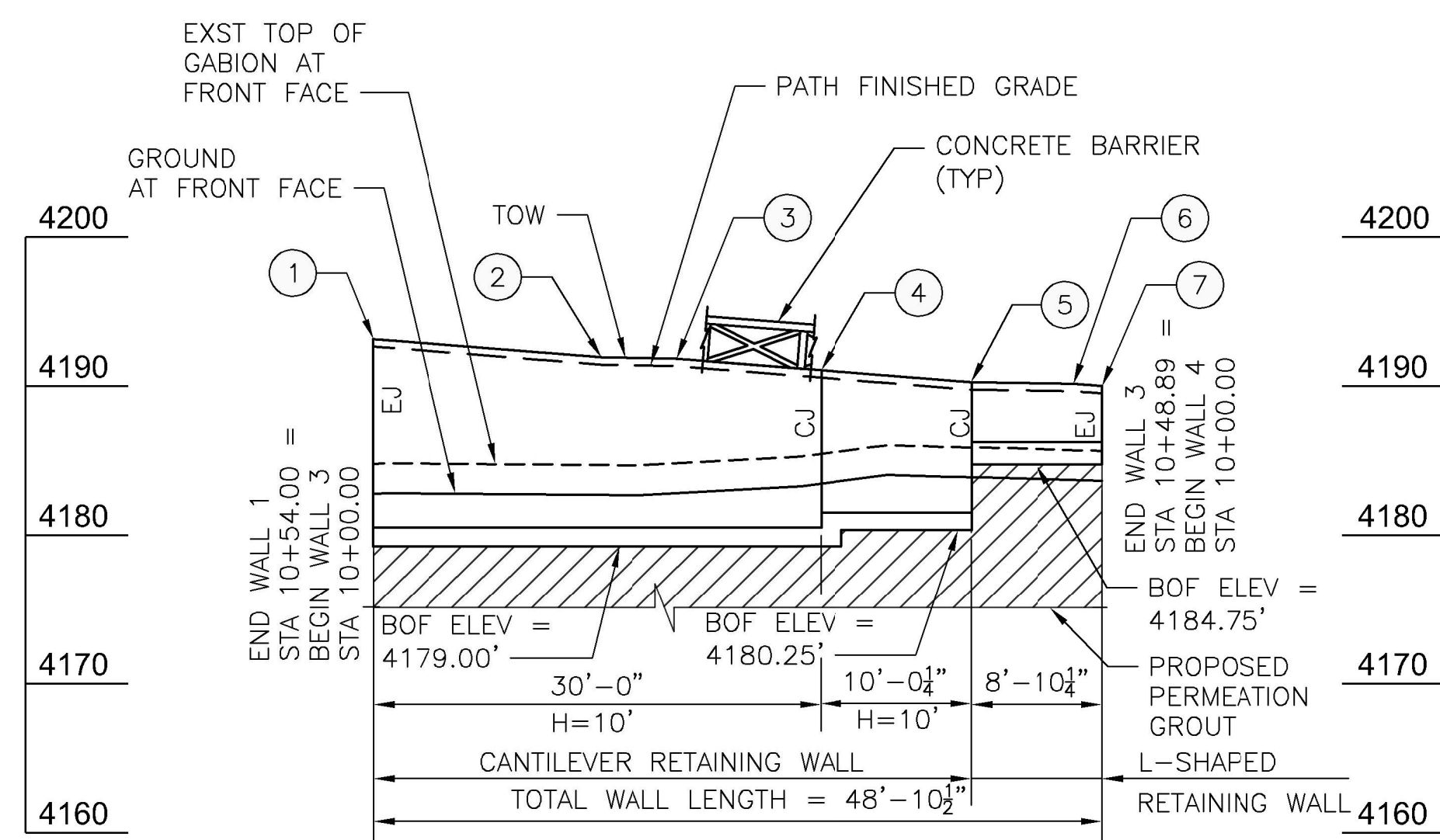
SHEET NO. OF

12 45





- NOTES:
1. GEOMETRY IS BASED ON A FIELD SURVEY AND AS-BUILT INFORMATION. THE CONTRACTOR SHALL FIELD VERIFY ALL CONTROLLING DIMENSIONS PRIOR TO ORDERING OR FABRICATING MATERIALS.
 2. ALL STATIONS, ELEVATIONS AND MEASUREMENTS SHOWN ARE TAKEN FROM RETAINING WALL LAYOUT LINE.
 3. SEE SHEET S6 FOR CONCRETE RETAINING WALL DETAILS, DIMENSIONS AND REINFORCING STEEL.
 4. BOTTOM OF WALL ELEVATIONS SHOWN IN TABLES INDICATE THE LOWER STEP ELEVATION AT THE RESPECTIVE LOCATION.
 5. CJ = CONSTRUCTION JOINT
EJ = EXPANSION JOINT.
SEE ADOT SD 7.01 (SHEET 2 OF 5) FOR DETAILS.
 6. CONTRACTOR MAY SUBMIT CONCRETE MASONRY BLOCK ALTERNATIVE IN PLACE OF SPECIFIED REINFORCED CONCRETE RETAINING WALLS. CONTRACTOR SHALL SUBMIT SEALED CALCULATIONS AND SHOP DRAWINGS FOR DESIGN TO BE APPROVED BY THE ENGINEER.
 7. CONTRACTOR SHALL VERIFY LIMITS OF EXISTING PERMEATION PRESSURE INJECTED GROUT. IF FIELD DISCREPANCIES ARE FOUND, CONTRACTOR SHALL CONTACT ENGINEER BEFORE PROCEEDING WITH WORK.

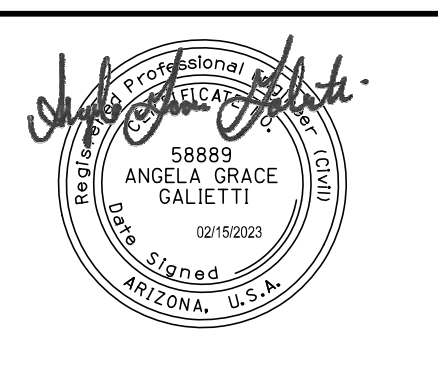


WALL 3 ELEVATIONS				
PT	NORTHING	EASTING	TOW ELEV	BOW ELEV
1	1405176.41	746362.00	4193.14	4180.25
2	1405191.70	746362.80	4191.91	4180.25
3	1405196.69	746363.05	4191.83	4180.25
4	1405206.39	746363.56	4191.05	4180.25
5	1405216.39	746364.07	4190.24	4181.50
6	1405223.38	746364.44	4190.14	4186.25
7	1405225.23	746364.53	4189.99	4186.25

WALL 5 ELEVATIONS				
PT	NORTHING	EASTING	TOW ELEV	BOW ELEV
1	1405327.33	746402.17	4189.41	4186.50
2	1405338.72	746396.90	4189.44	4186.50
3	1405339.69	746392.92	4189.48	4186.50
4	1405341.08	746387.18	4189.95	4186.50
5	1405344.62	746372.63	4191.22	4186.50
6	1405348.33	746364.55	4191.93	4183.84
7	1405350.41	746360.00	4192.02	4186.25
8	1405353.99	746352.21	4192.72	4186.25

NOTICE OF EXTENDED PAYMENT PROVISION:
(PER ARS 32-1129.01) THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVALS OF BILLINGS AND ESTIMATES FOR PROGRESS PAYMENTS WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVALS OF BILLINGS AND ESTIMATES FOR RELEASE OF RETENTION AND WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVAL OF BILLINGS AND ESTIMATES FOR FINAL PAYMENT.

Symbol	Revisions	Date	Appr.	Designed by:	Date:
				LES	02/15/2023
				Drawn by:	Scale:
				JB	AS NOTED
				Checked by:	Project Code:
				AGG	STRUCTURAL



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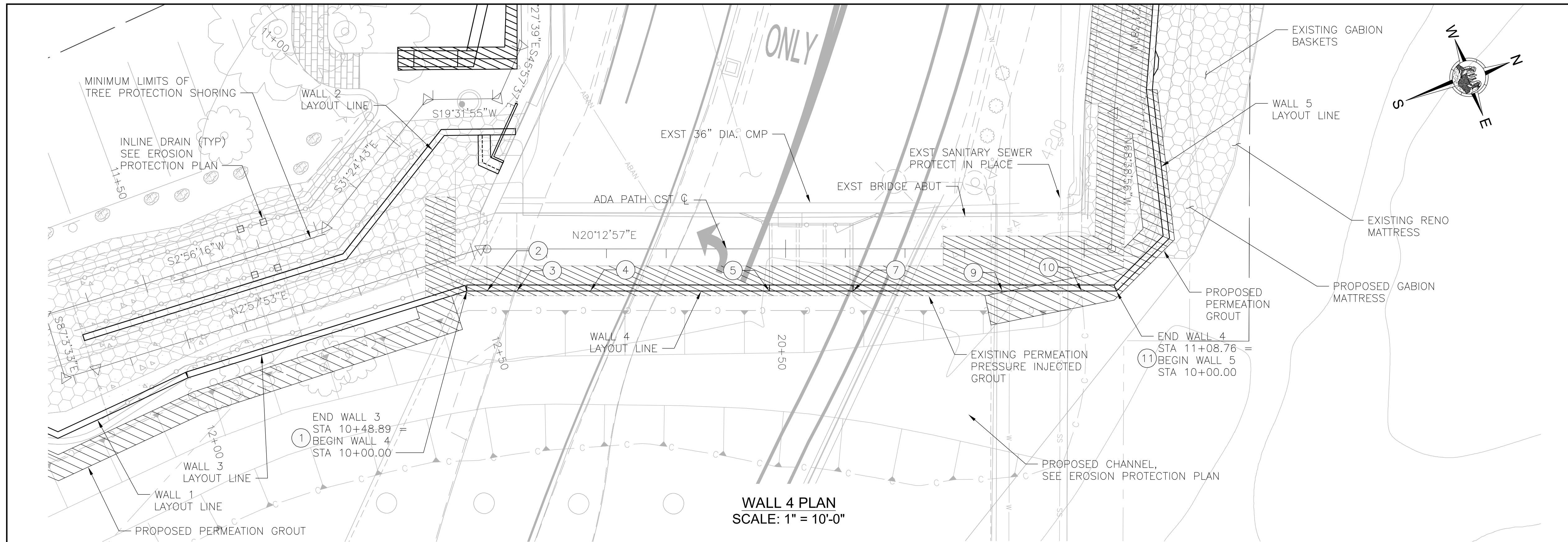
CITY OF SEDONA
PUBLIC WORKS DEPARTMENT
102 ROADRUNNER DRIVE
SEDONA, ARIZONA 86336
928-204-7111

SR 179 PEDESTRIAN CROSSING
AT OAK CREEK
SEDONA ARIZONA

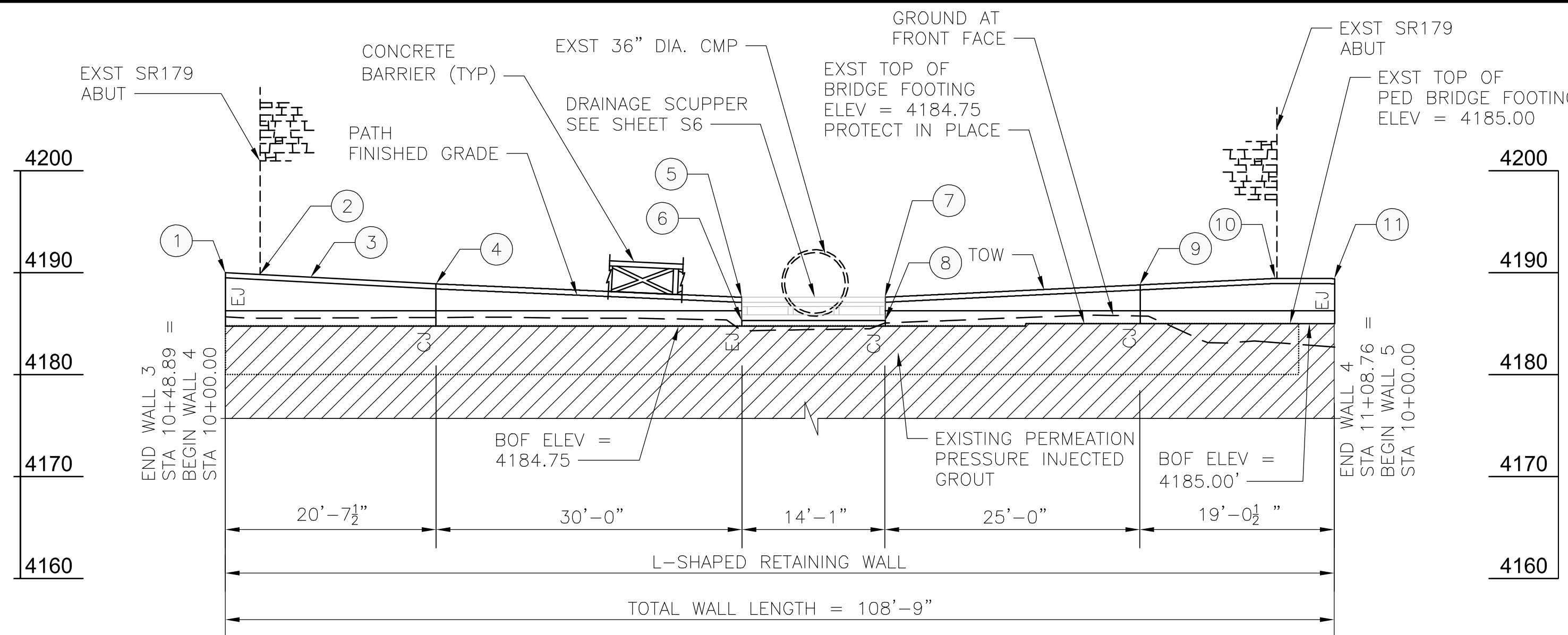
**RETAINING WALL
PLAN & ELEVATION WALLS 3 & 5**

SHEET ID	
S2	
SHEET NO.	OF
13	45





- NOTES:
1. GEOMETRY IS BASED ON A FIELD SURVEY AND AS-BUILT INFORMATION. THE CONTRACTOR SHALL FIELD VERIFY ALL CONTROLLING DIMENSIONS PRIOR TO ORDERING OR FABRICATING MATERIALS.
 2. ALL STATIONS, ELEVATIONS AND MEASUREMENTS SHOWN ARE TAKEN FROM RETAINING WALL LAYOUT LINE.
 3. SEE SHEET S6 FOR CONCRETE RETAINING WALL DETAILS, DIMENSIONS AND REINFORCING STEEL.
 4. BOTTOM OF WALL ELEVATIONS SHOWN IN TABLES INDICATE THE LOWER STEP ELEVATION AT THE RESPECTIVE LOCATION.
 5. CJ = CONSTRUCTION JOINT
EJ = EXPANSION JOINT.
SEE ADOT SD 7.01 (SHEET 2 OF 5) FOR DETAILS.
 6. CONTRACTOR MAY SUBMIT CONCRETE MASONRY BLOCK ALTERNATIVE IN PLACE OF SPECIFIED REINFORCED CONCRETE RETAINING WALLS. CONTRACTOR SHALL SUBMIT SEALED CALCULATIONS AND SHOP DRAWINGS FOR DESIGN TO BE APPROVED BY THE ENGINEER.
 7. CONTRACTOR SHALL VERIFY LIMITS OF EXISTING PERMEATION PRESSURE INJECTED GROUT. IF FIELD DISCREPANCIES ARE FOUND, CONTRACTOR SHALL CONTACT ENGINEER BEFORE PROCEEDING WITH WORK.

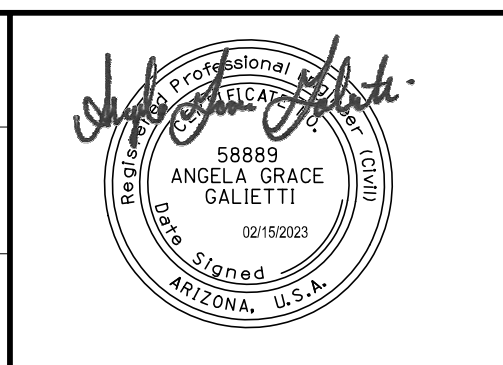


WALL 4 ELEVATIONS				
PT	NORTHING	EASTING	TOW ELEV	BOW ELEV
1	1405225.23	746364.53	4189.99	4186.25
2	1405228.42	746365.71	4189.81	4186.25
3	1405233.11	746367.44	4189.55	4186.25
4	1405244.59	746371.67	4188.90	4186.25
5	1405272.74	746382.05	4187.58	4186.25
6	1405272.74	746382.05	4185.35	4184.75
7	1405285.97	746386.93	4187.60	4186.25
8	1405285.97	746386.93	4185.35	4184.75
9	1405309.43	746395.57	4188.80	4186.50
10	1405321.86	746400.16	4189.43	4186.50
11	1405327.33	746402.17	4189.41	4186.50

NOTICE OF EXTENDED PAYMENT PROVISION:
(PER ARS 32-1129.01) THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVALS OF BILLINGS AND ESTIMATES FOR PROGRESS PAYMENTS WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVALS OF BILLINGS AND ESTIMATES FOR RELEASE OF RETENTION AND WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVAL OF BILLINGS AND ESTIMATES FOR FINAL PAYMENT.

Symbol	Revisions	Date	Appr.

Designed by:	LES	Date:	02/15/2023
Drawn by:	JB	Scale:	AS NOTED
Checked by:	AGG	Project Code:	STRUCTURAL



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Tempe, AZ 85281

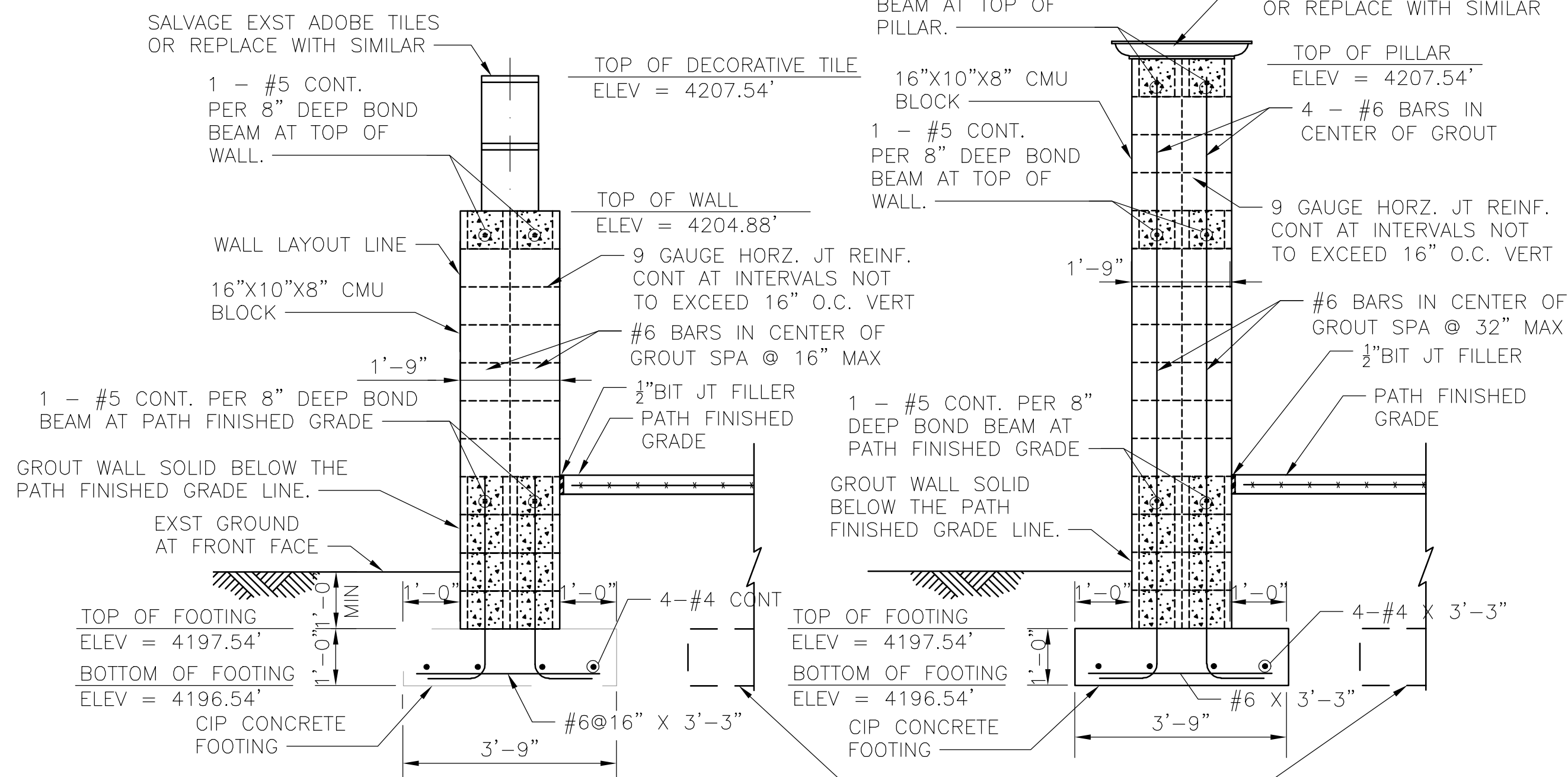
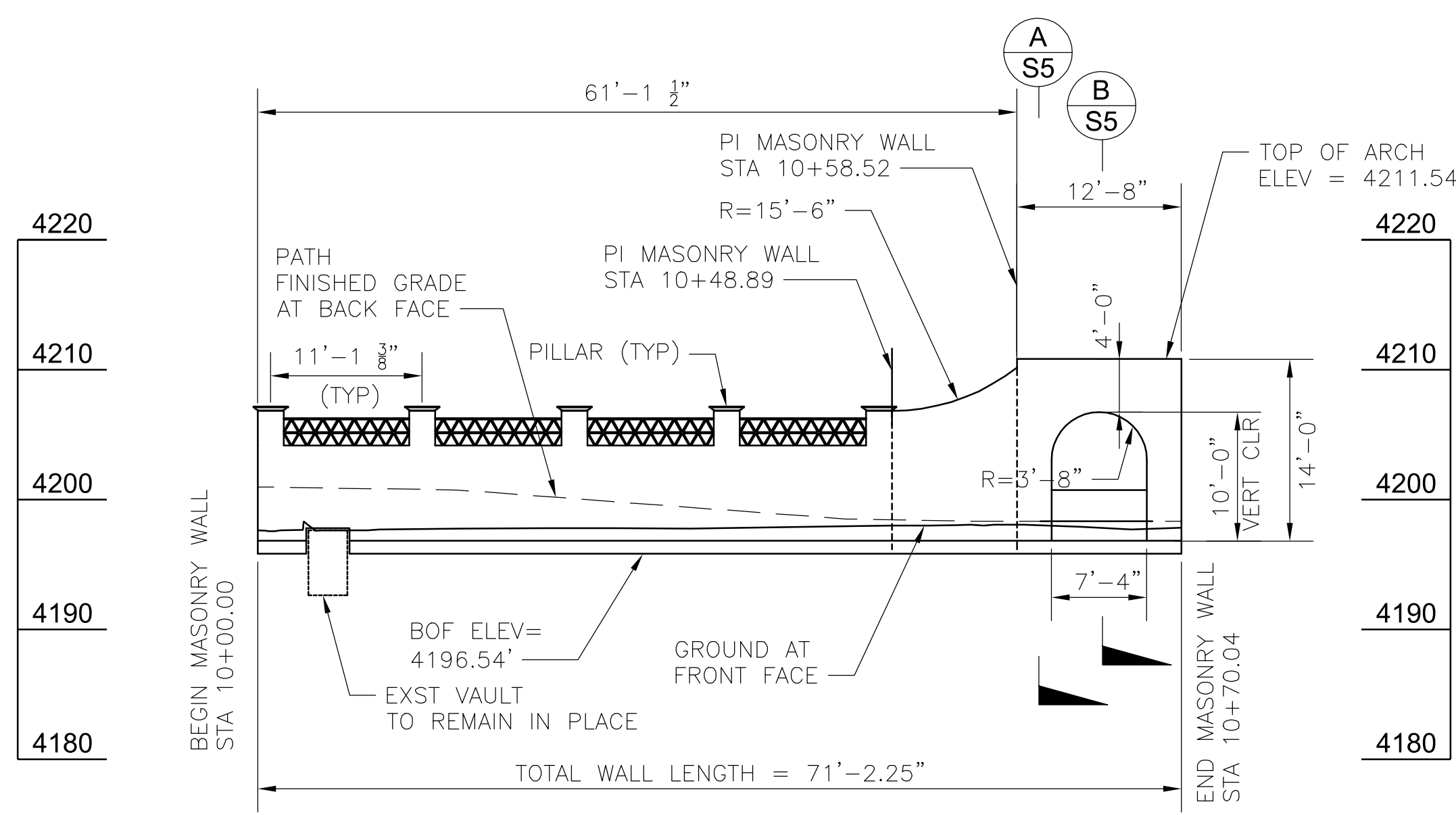
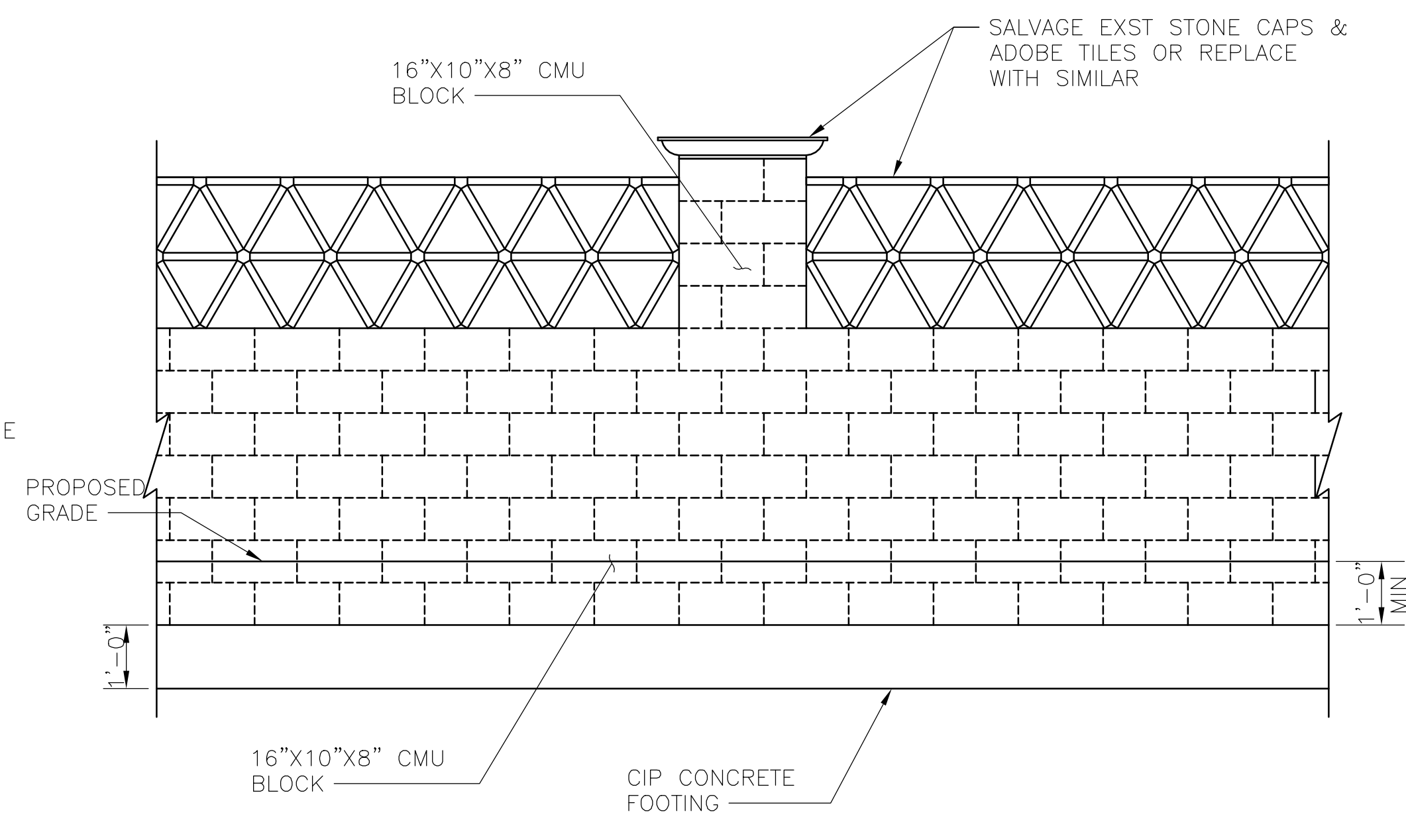
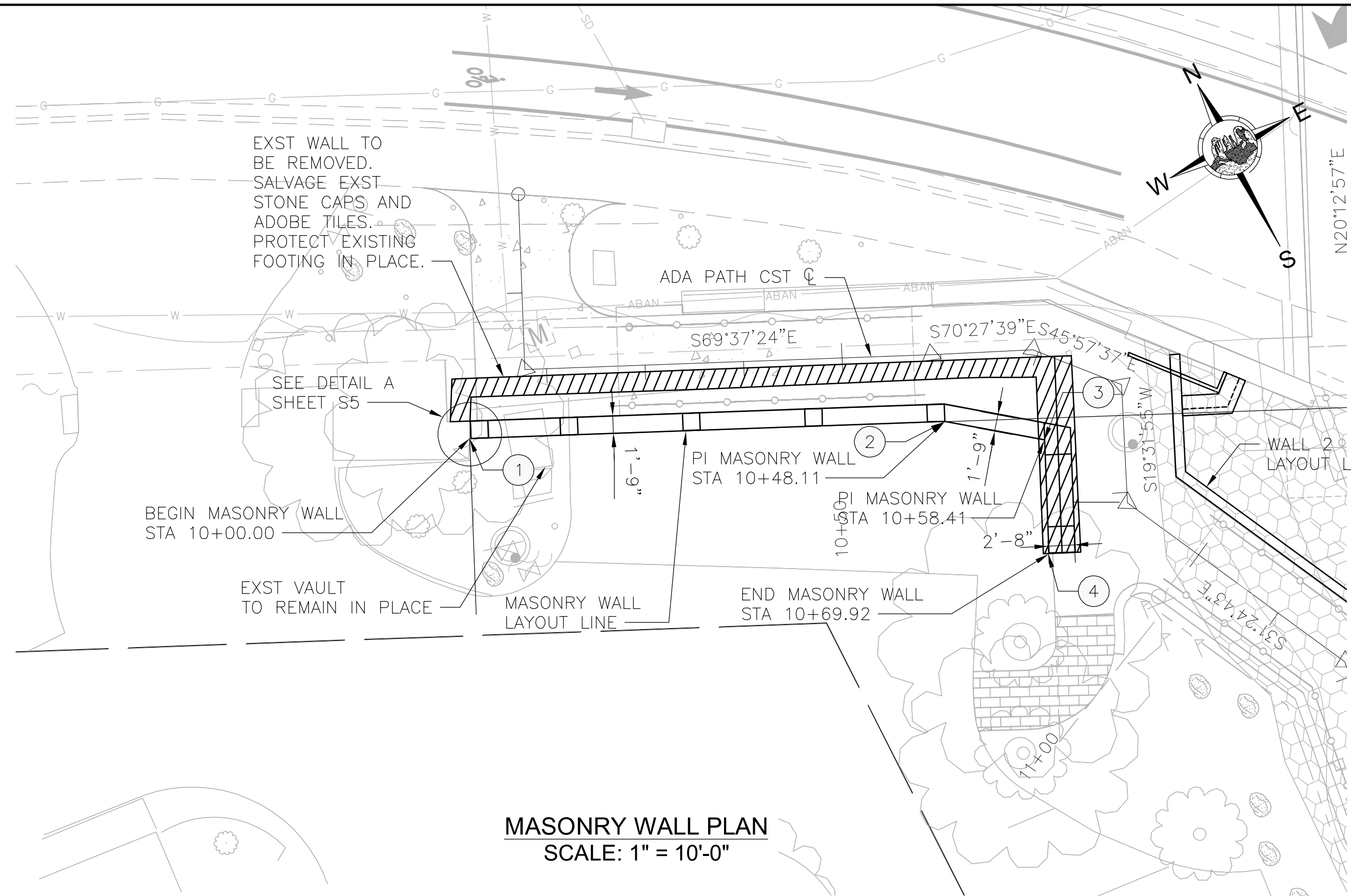
CITY OF SEDONA
PUBLIC WORKS DEPARTMENT
102 ROADRUNNER DRIVE
SEDONA, ARIZONA 86336
928-204-7111

SR 179 PEDESTRIAN CROSSING
AT OAK CREEK
SEDONA ARIZONA

**RETAINING WALL
PLAN & ELEVATION WALL 4**

SHEET ID	
S3	
SHEET NO.	OF
14	45





- NOTES:
- ALL BLOCK AND RAILING TO BE FIELD VERIFIED AND SHALL MATCH EXISTING CONDITIONS. RAILING MATERIALS AND AESTHETICS SHALL MATCH EXISTING CONDITION.
 - ALL CONCRETE SHALL BE MAG CLASS A PER SECTION 725 OF MAG STANDARD SPECIFICATIONS, UNLESS NOTED OTHERWISE.
 - REINFORCING STEEL SHALL CONFORM TO ASTM SPECIFICATION A934 EPOXY COATED REINFORCING BARS. ALL REINFORCING SHALL BE GRADE 60. ALL BENDS AND HOOKS SHALL MEET THE REQUIREMENTS OF OF AASHTO LRFD ARTICLE 5.10. ALL BEND DIMENSIONS FOR REINFORCING STEEL SHALL BE OUT-TO-OUT OF BARS. ALL PLACEMENT DIMENSIONS FOR REINFORCING STEEL SHALL BE TO CENTER OF BARS UNLESS NOTED OTHERWISE.
 - HOLLOW CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM SPECIFICATION C90. ALL BLOCKS SHALL BE GRADE N, TYPE 1 WITH F'M = 1,900 PSI. RUNNING BOND, MORTAR TYPE S, WITH 1,800 PSI AND GROUT WITH 2,500 PSI SHALL BE USED.
 - NEW SPREAD FOOTING SHALL BEAR ON FIRM UNDISTURBED SOIL (CONTROLLED COMPACTED FILL) 2'-0" MINIMUM BELOW FINISHED GRADE. DESIGN SOIL BEARING VALUE = 4,000 PSF. FOUNDATION EXCAVATION SHALL BE INSPECTED BY SOILS ENGINEER PRIOR TO PLACEMENT OF CONCRETE.
 - ALL EXISTING SPREAD FOOTINGS TO BE LEFT IN PLACE. ANY EXISTING FOOTING THAT IS SPECIFIED TO BE USED UNDER NEW WALL SHALL BE INSPECTED BY THE ENGINEER PRIOR TO WALL INSTALLATION TO DETERMINE STRUCTURAL ADEQUACY OF EXISTING FOUNDATION.
 - COMPACT BACKFILL FOR FOOTING AN WALL BASE MINIMUM 95% OF ASTM D698 MAXIMUM DRY DENSITY.
 - MECHANICALLY VIBRATE GROUT IN VERTICAL SPACES IMMEDIATELY AFTER POURING. MAXIMUM GROUT LIFT SHALL BE 4'-0".
 - PLACE CONTROL JOINTS IN MASONRY WALL AT MAXIMUM OF 24'-0" SPACING.
 - EXISTING WALL FOOTING SHALL REMAIN IN PLACE UNLESS CONFLICTING WITH PROPOSED FOOTING. SAW CUT AND REMOVE CONFLICTING AREA ONLY. PLACE 1/2" BIT. JT. FILLER BETWEEN EXISTING AND PROPOSED CONCRETE.
 - SPECIAL INSPECTION IS REQUIRED FOR ALL MASONRY WALL CONSTRUCTION. VERTICAL CELLS CONTAINING REINFORCEMENTS SHALL BE GROUTED SOLID FULL HEIGHT. BOND BEAMS WITH REINFORCEMENTS SHALL BE GROUTED SOLID FULL LENGTH.

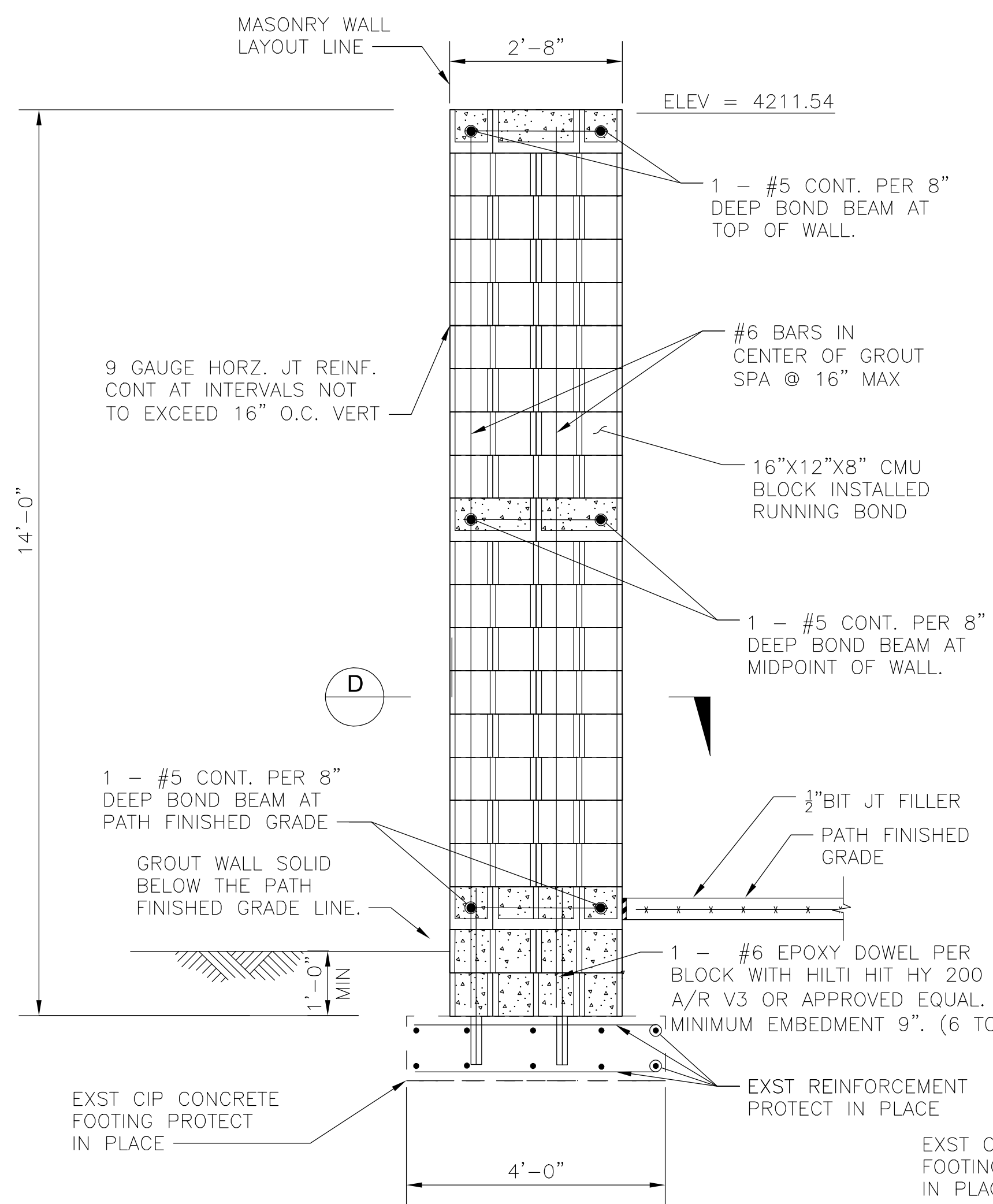
MASONRY WALL		
PT	NORTHING	EASTING
①	1405261.52	746272.94
②	1405244.68	746318.18
③	1405239.08	746326.77
④	1405227.86	746322.78

LEGEND
EXST WALL REMOVAL LIMITS

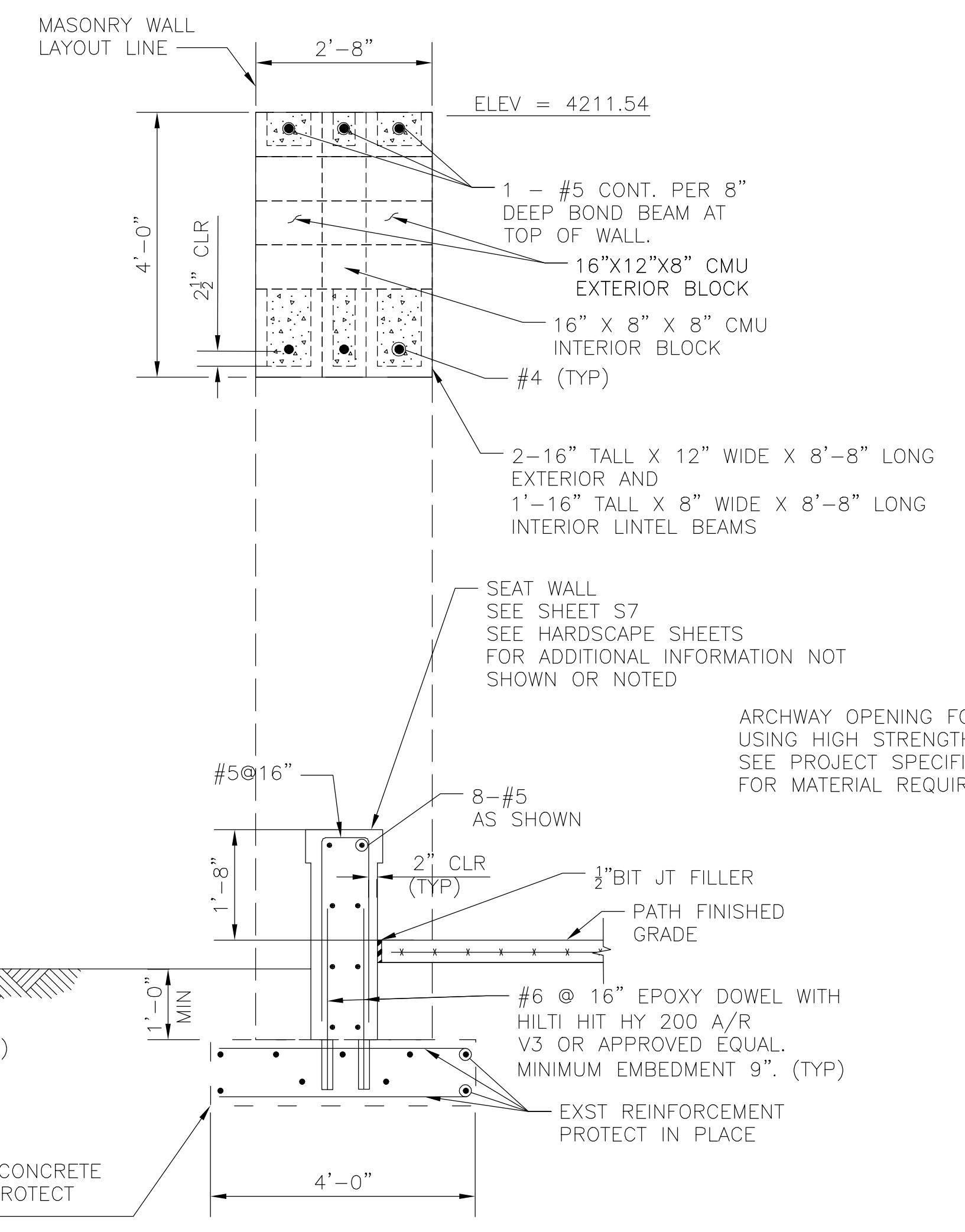


NOTICE OF EXTENDED PAYMENT PROVISION: (PER ARS 32-1129.01) THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVALS OF BILLINGS AND ESTIMATES FOR PROGRESS PAYMENTS WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVALS OF BILLINGS AND ESTIMATES FOR RELEASE OF RETENTION AND WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVAL OF BILLINGS AND ESTIMATES FOR FINAL PAYMENT.

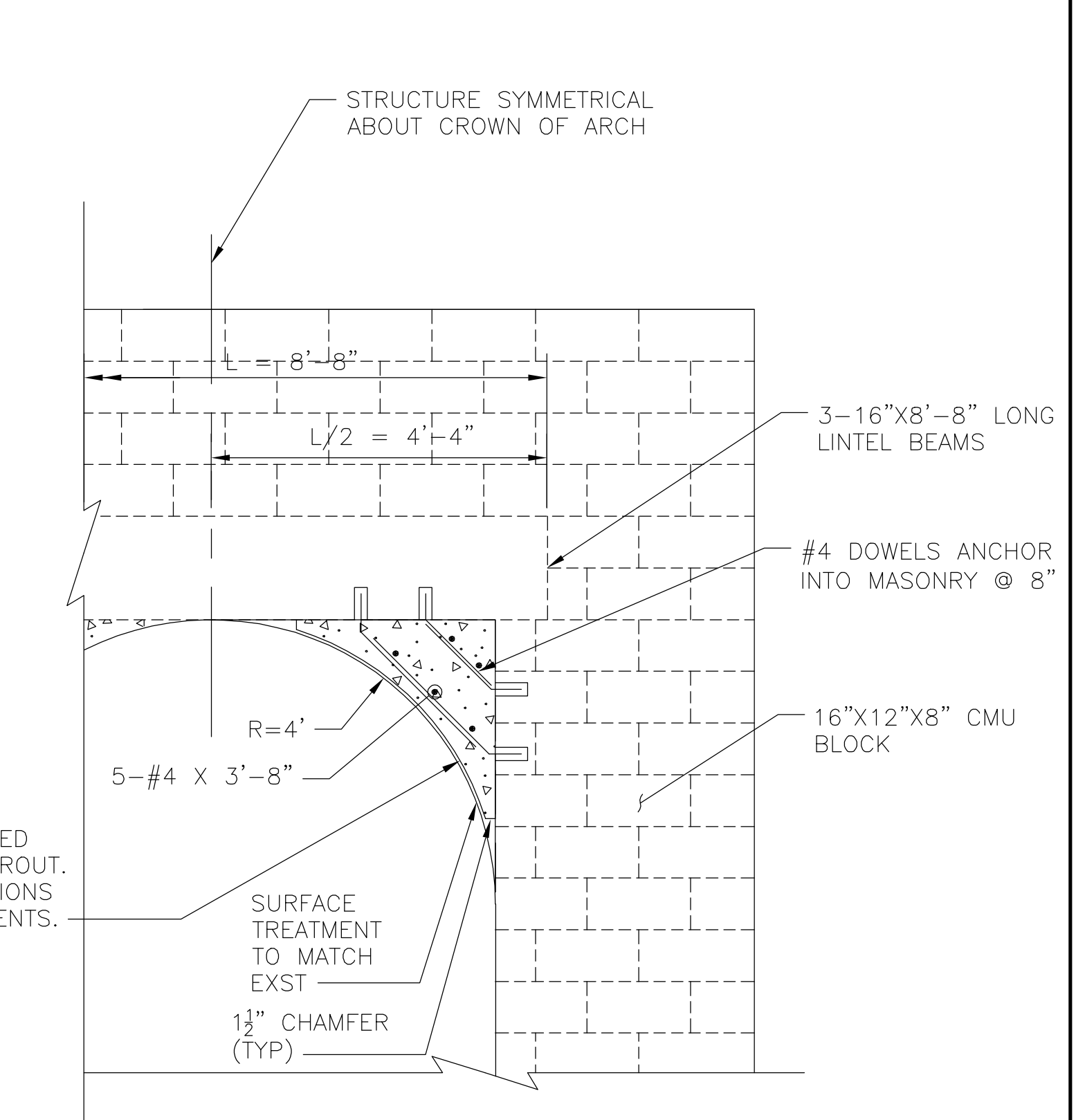
Symbol	Revisions	Date	Appr.	Designed by: LES	Date: 02/15/2023				CITY OF SEDONA PUBLIC WORKS DEPARTMENT 102 ROADRUNNER DRIVE SEDONA, ARIZONA 86336 928-204-7111	SR 179 PEDESTRIAN CROSSING AT OAK CREEK SEDONA ARIZONA MASONRY WALL PLAN & ELEVATION	SHEET ID S4	
				Drawn by: JB	Scale: AS NOTED						SHEET NO. OF 15 OF 45	
				Checked by: AGG	Project Code: STRUCTURAL							



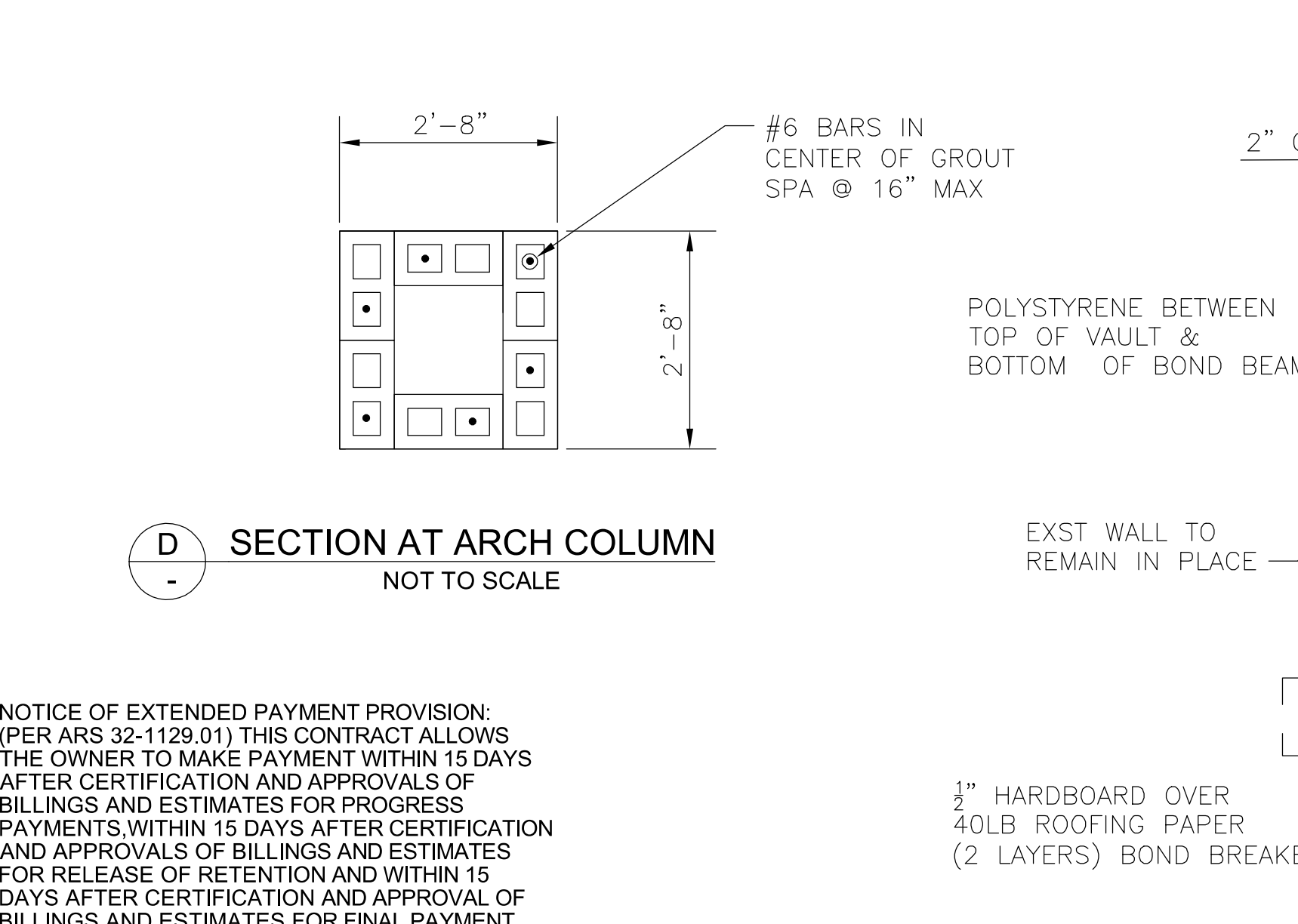
A SECTION THROUGH ARCH COLUMN
NOT TO SCALE



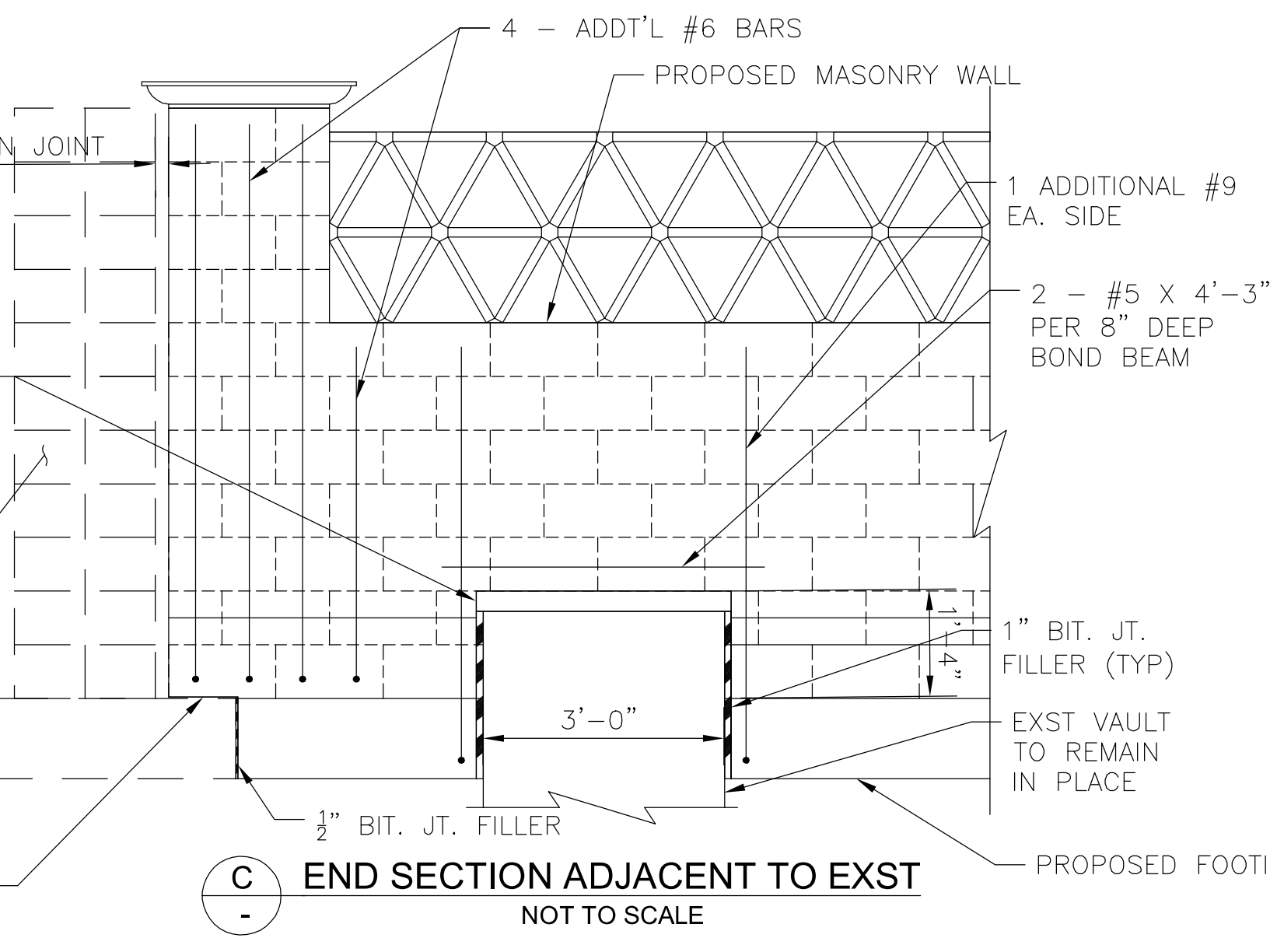
B ARCH SECTION
NOT TO SCALE



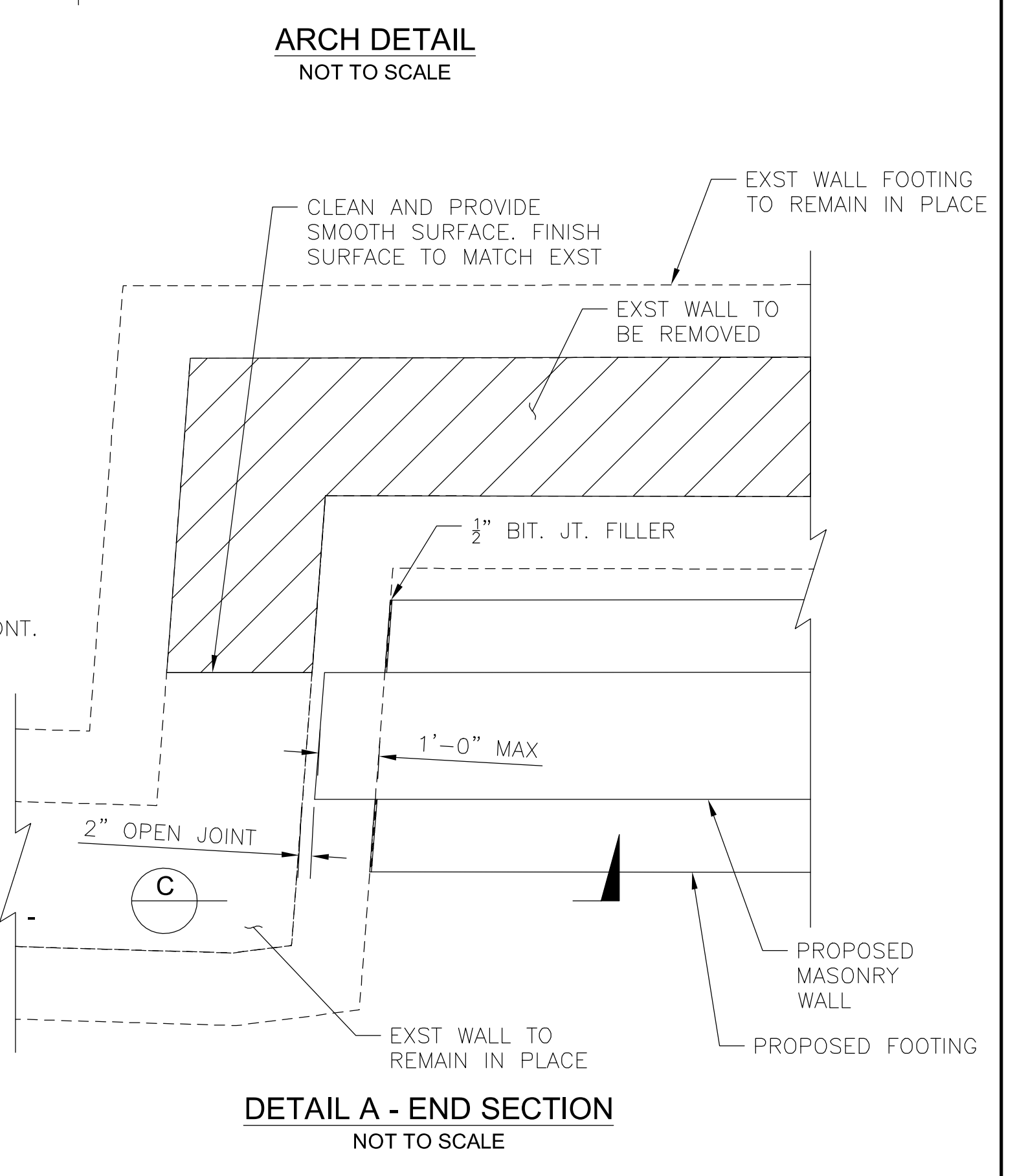
ARCH DETAIL
NOT TO SCALE



D SECTION AT ARCH COLUMN
NOT TO SCALE



C END SECTION ADJACENT TO EXIST
NOT TO SCALE



DETAIL A - END SECTION
NOT TO SCALE

- NOTES:**
- ALL BLOCK AND RAILING TO BE FIELD VERIFIED AND SHALL MATCH EXISTING CONDITIONS. RAILING MATERIALS AND AESTHETICS SHALL MATCH EXISTING CONDITION.
 - ALL CONCRETE SHALL BE MAG CLASS A PER SECTION 725 OF MAG STANDARD SPECIFICATIONS, UNLESS NOTED OTHERWISE.
 - REINFORCING STEEL SHALL CONFORM TO ASTM SPECIFICATION A934 EPOXY COATED REINFORCING BARS. ALL REINFORCING SHALL BE GRADE 60. ALL BENDS AND HOOKS SHALL MEET THE REQUIREMENTS OF AASHTO LRFD ARTICLE 5.10. ALL BEND DIMENSIONS FOR REINFORCING STEEL SHALL BE OUT-TO-OUT OF BARS. ALL PLACEMENT DIMENSIONS FOR REINFORCING STEEL SHALL BE TO CENTER OF BARS UNLESS NOTED OTHERWISE.
 - HOLLOW CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM SPECIFICATION C90. ALL BLOCKS SHALL BE GRADE N, TYPE 1 WITH F'M = 1,900 PSI. RUNNING BOND, MORTAR TYPE S, WITH 1,800 PSI AND GROUT WITH 2,500 PSI SHALL BE USED.
 - NEW SPREAD FOOTING SHALL BEAR ON FIRM UNDISTURBED SOIL (CONTROLLED COMPACTED FILL) 2'-0" MINIMUM BELOW FINISHED GRADE. DESIGN SOIL BEARING VALUE = 4,000 PSF. FOUNDATION EXCAVATION SHALL BE INSPECTED BY SOILS ENGINEER PRIOR TO PLACEMENT OF CONCRETE.
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 - PLACE CONTROL JOINTS IN MASONRY WALL AT MAXIMUM OF 24'-0" SPACING.
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 - SPECIAL INSPECTION IS REQUIRED FOR ALL MASONRY WALL CONSTRUCTION. VERTICAL CELLS CONTAINING REINFORCEMENTS SHALL BE GROUTED SOLID FULL HEIGHT. BOND BEAMS WITH REINFORCEMENTS SHALL BE GROUTED SOLID FULL LENGTH.

LEGEND

EXIST WALL

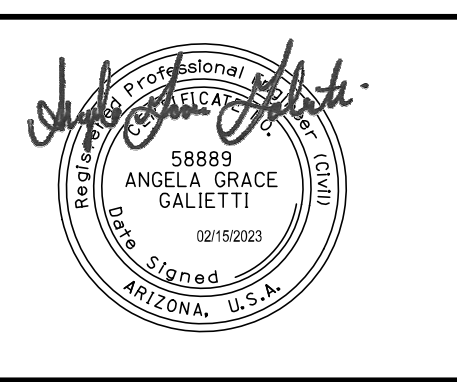
REMOVAL LIMITS

ARIZONA811
Contact Arizona 811 at least two full working days before you begin excavation
Call 811 or click Arizona811.com

NOTICE OF EXTENDED PAYMENT PROVISION:
(PER ARS 32-1129.01) THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVALS OF BILLINGS AND ESTIMATES FOR PROGRESS PAYMENTS WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVALS OF BILLINGS AND ESTIMATES FOR RELEASE OF RETENTION AND WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVAL OF BILLINGS AND ESTIMATES FOR FINAL PAYMENT.

Symbol	Revisions	Date	Appr.

Designed by:	LES	Date:	02/15/2023
Drawn by:	JB	Scale:	AS NOTED
Checked by:	AGG	Project Code:	STRUCTURAL



wsp

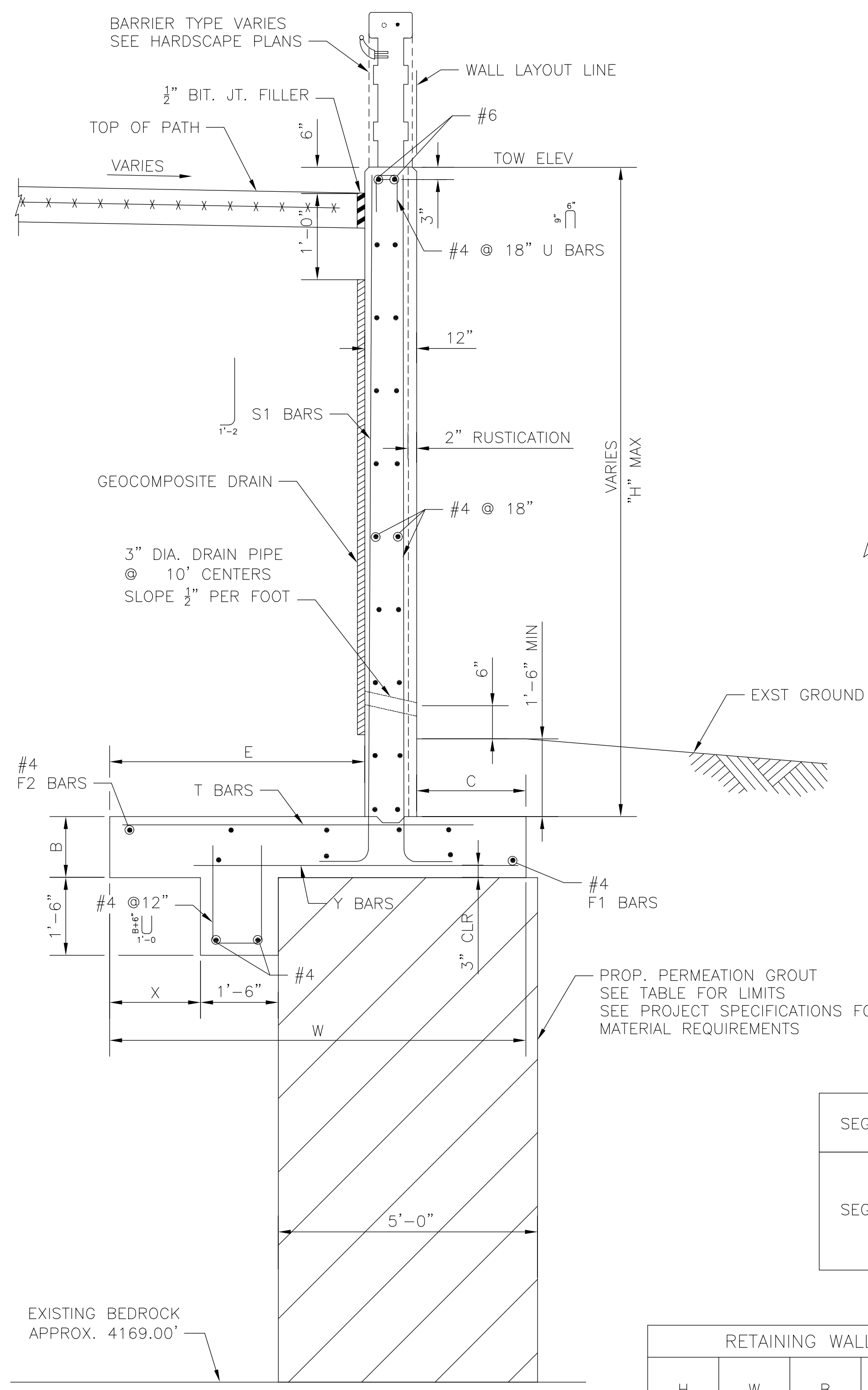
WSP USA Inc.
1230 W. Washington St.
Suite 400
Tempe, AZ 85281

CITY OF SEDONA
PUBLIC WORKS DEPARTMENT
102 ROADRUNNER DRIVE
SEDONA, ARIZONA 86336
928-204-7111

SR 179 PEDESTRIAN CROSSING
AT OAK CREEK
SEDONA ARIZONA

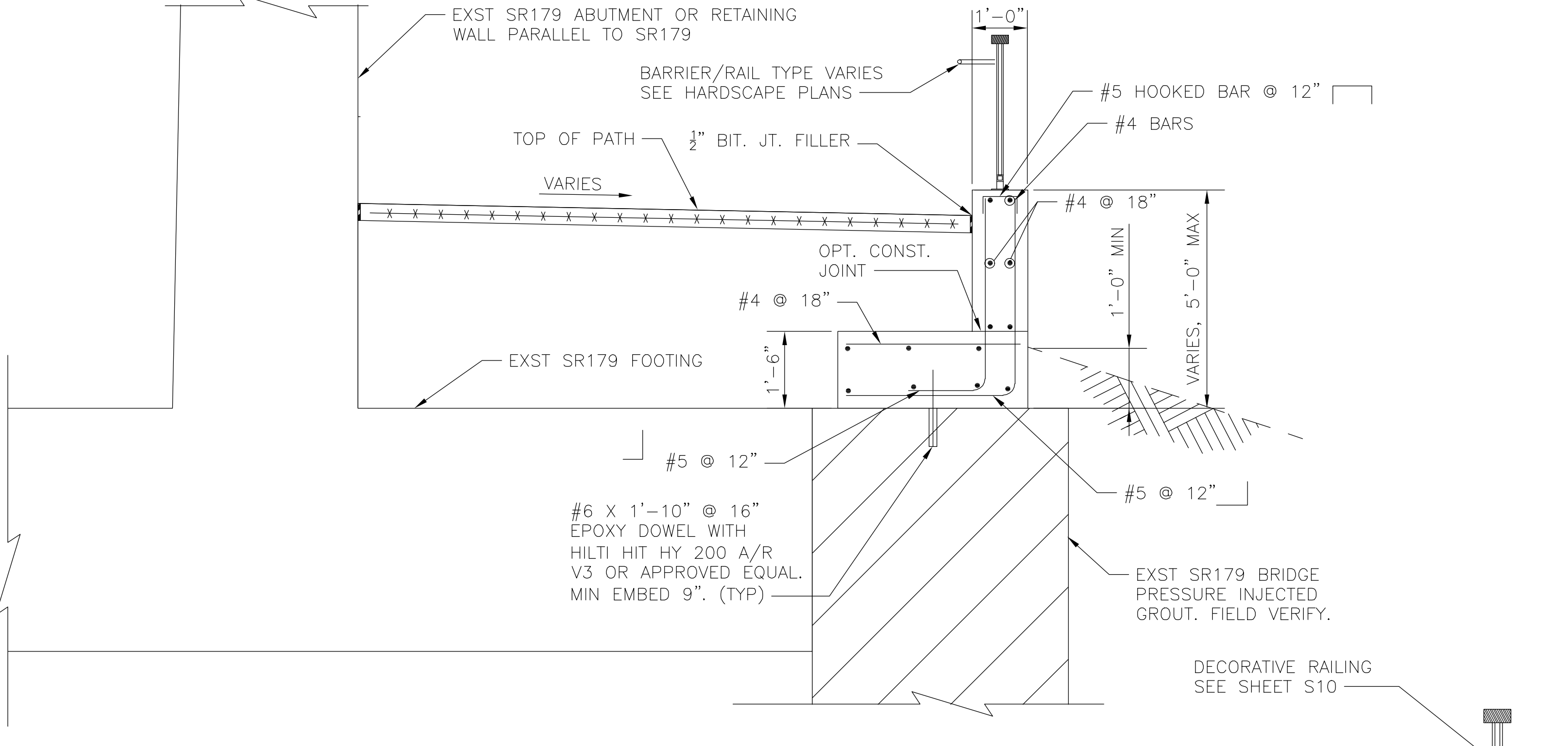
**MASONRY WALL
STRUCTURAL DETAILS**

SHEET ID	S5
SHEET NO.	16
OF	45

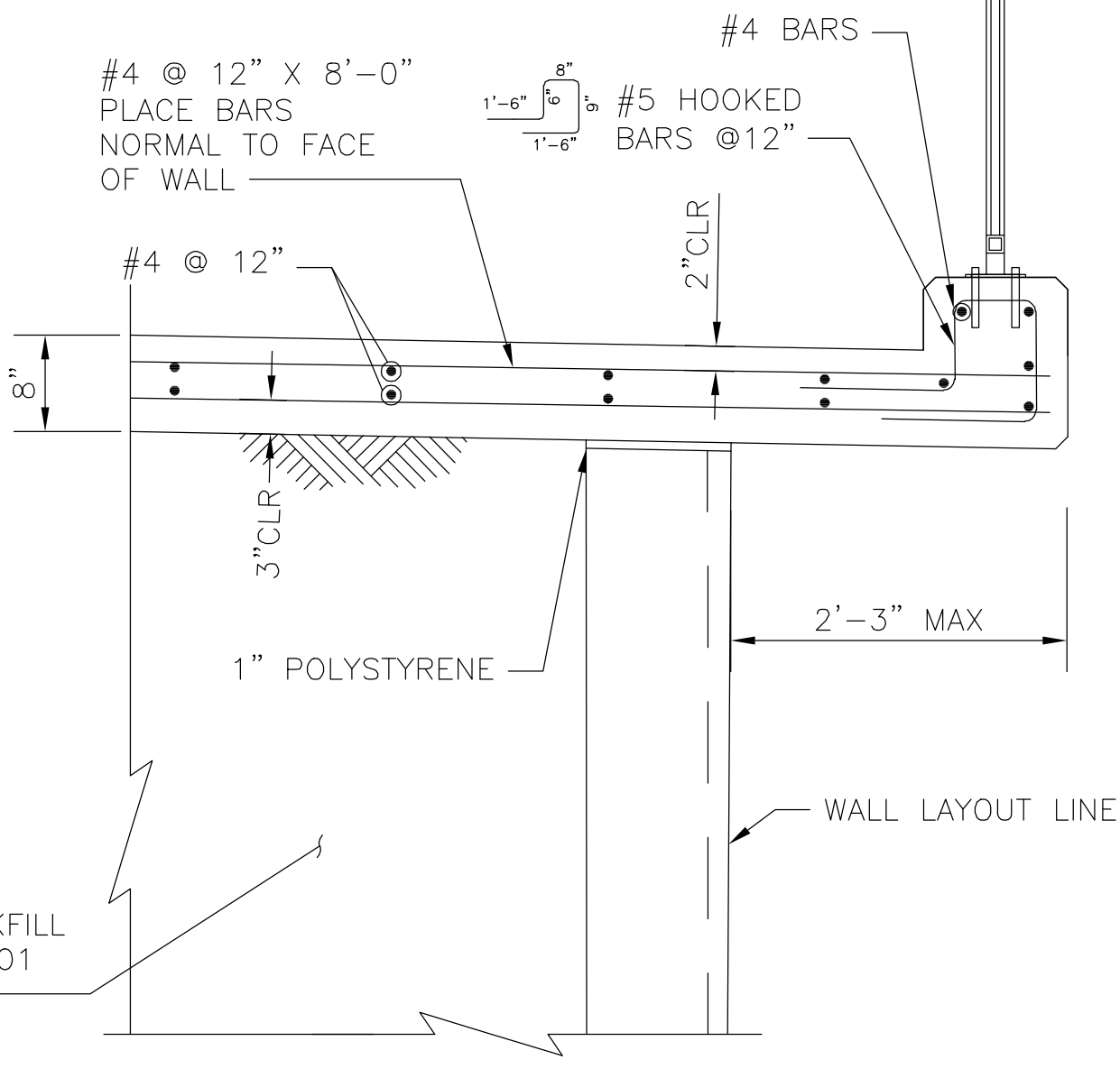


REINFORCED CONCRETE CANTILEVER RETAINING WALL SECTION
NOT TO SCALE

NOTICE OF EXTENDED PAYMENT PROVISION:
(PER ARS 32-1129.01) THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVALS OF BILLINGS AND ESTIMATES FOR PROGRESS PAYMENTS WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVALS OF BILLINGS AND ESTIMATES FOR RELEASE OF RETENTION AND WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVAL OF BILLINGS AND ESTIMATES FOR FINAL PAYMENT.



L-SHAPED RETAINING WALL
NOT TO SCALE



REINFORCED CONCRETE SLAB OVERHANG DETAIL
NOT TO SCALE

PERMEATION GROUT LIMITS				
	ADA PATH	CST Q STA	NORTHING	EASTING
SEGMENT 1	BEGIN	11+75.44	1405140.63	746351.05
	END	12+43.83	1405222.46	746367.36
SEGMENT 2	BEGIN	19+83.88	1405306.00	746397.77
	PI 1	20+03.91	1405326.45	746400.94
	PI 2	20+07.17	1405337.30	746395.73
	END	22+27.05	1405344.49	746372.57

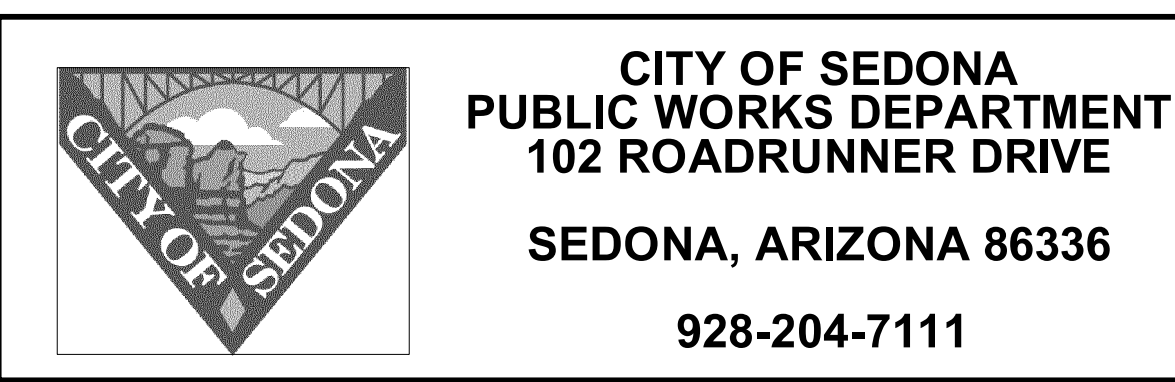
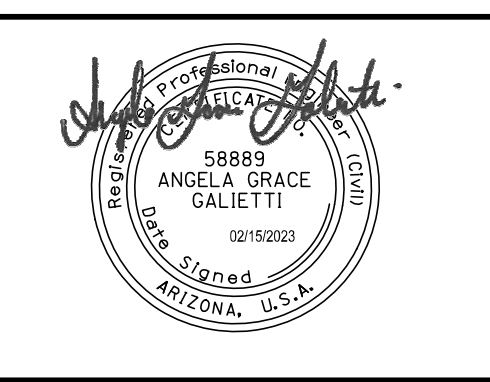
NOTE: DATA SHOWN AT MIDPOINT OF GROUT LAYOUT.

RETAINING WALL DIMENSIONS						REINFORCING STEEL									
H	W	B	C	E	X	S1		Y		F1	T		F2		
						SIZE	SPA.	SIZE	SPA.		LENGTH	NO.		SIZE	SPA.
6'-0"	4'-6"	1'-0"	1'-2"	2'-4"	10"	5	12"	5	12"	4'-9"	3	5	12"	4'-0"	3
10'-0"	6'-6"	1'-2"	2'-6"	3'-0"	6"	7	6"	5	12"	5'-0"	4	6	12"	4'-9"	4
14'-0"	8'-6"	1'-3"	2'-6"	5'-0"	2'-0"	9	6"	5	6"	6'-6"	5	9	12"	7'-9"	5

- NOTES:
- ALL CONCRETE SHALL BE MAG CLASS A PER SECTION 725 OF MAG STANDARD SPECIFICATIONS, UNLESS NOTED OTHERWISE. CANTILEVER RETAINING WALL CONCRETE SHALL BE ADOT CLASS "S", THE 28-DAY COMPRESSIVE STRENGTH SHALL BE F'C = 3000 PSI.
 - REINFORCING STEEL SHALL CONFORM TO ASTM SPECIFICATION A934 EPOXY COATED REINFORCING BARS. ALL REINFORCING SHALL BE GRADE 60. ALL BENDS AND HOOKS SHALL MEET THE REQUIREMENTS OF AASHTO LRFD ARTICLE 5.10. ALL BEND DIMENSIONS FOR REINFORCING STEEL SHALL BE OUT-TO-OUT OF BARS. ALL PLACEMENT DIMENSIONS FOR REINFORCING STEEL SHALL BE TO CENTER OF BARS UNLESS NOTED OTHERWISE.
 - SEE ADOT SD 7.01, CASE I FOR RETAINING WALL DIMENSIONS AND REINFORCING DETAILS NOT SHOWN OR NOTED.
 - TOP OF WALL SHALL BE 6" ABOVE TOP OF PATH, EXCEPT AT OVERHANG SLAB. SEE ROADWAY SHEETS.
 - THE EXPOSED FACE OF WALLS SHALL BE RUSTICATED. SEE AESTHETIC REQUIREMENTS FOR ADDITIONAL INFORMATION.
 - MINIMUM LAP LENGTH FOR BAR SPLICES SHALL BE:
 - #4 1'-0"
 - #5 1'-3"
 - #6 1'-8"
 - #7 2'-2"
 - #9 3'-8"
 - SEE PROJECT TECHNICAL SPECIFICATIONS FOR PRESSURE INJECTED GROUT REQUIREMENTS.

Symbol	Revisions	Date	Appr.

Designed by:	LES	Date:	02/15/2023
Drawn by:	JB	Scale:	AS NOTED
Checked by:	AGG	Project Code:	STRUCTURAL

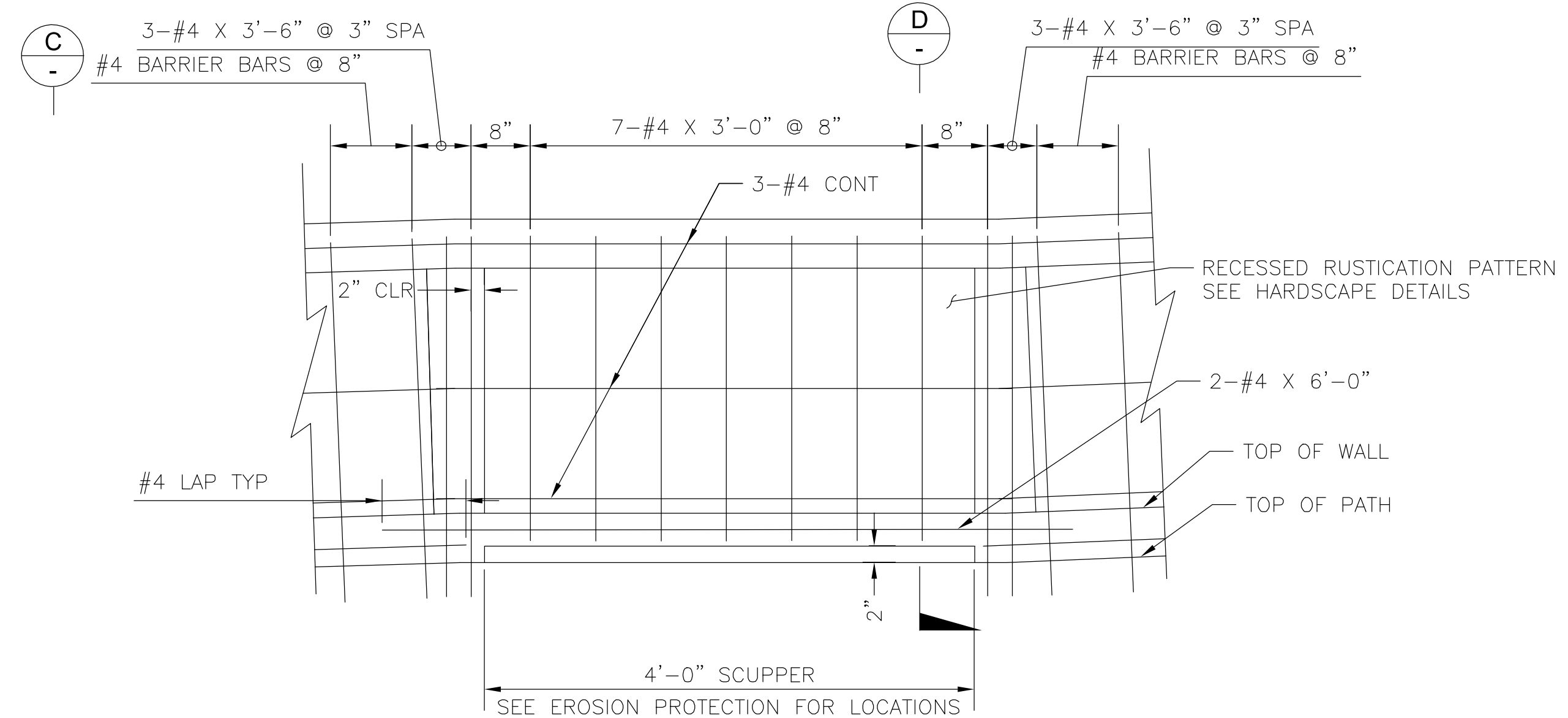


SR 179 PEDESTRIAN CROSSING
AT OAK CREEK
SEDONA ARIZONA

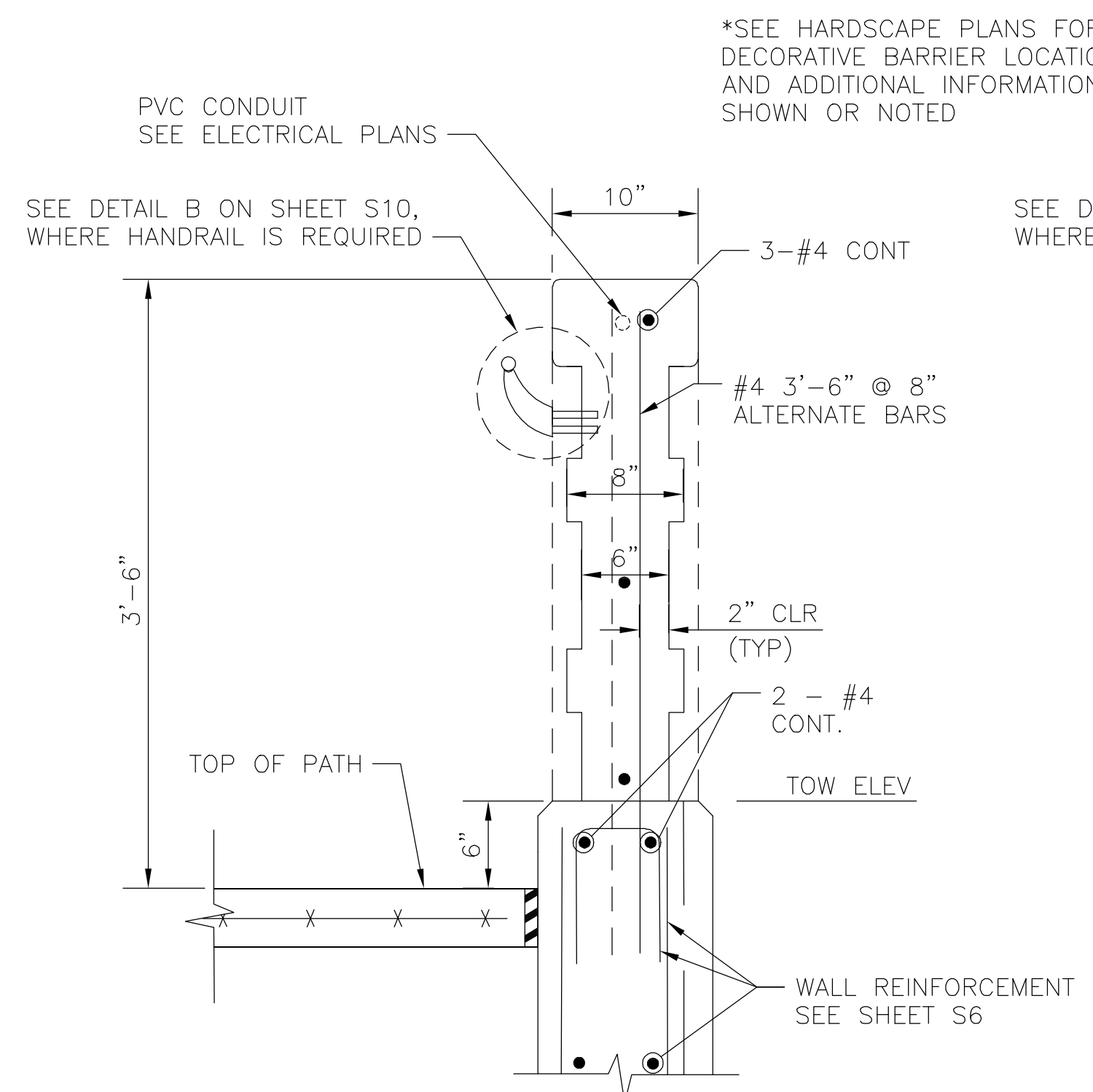
MISCELLANEOUS
STRUCTURAL DETAILS 1

SHEET ID	S6
SHEET NO.	17
OF	45

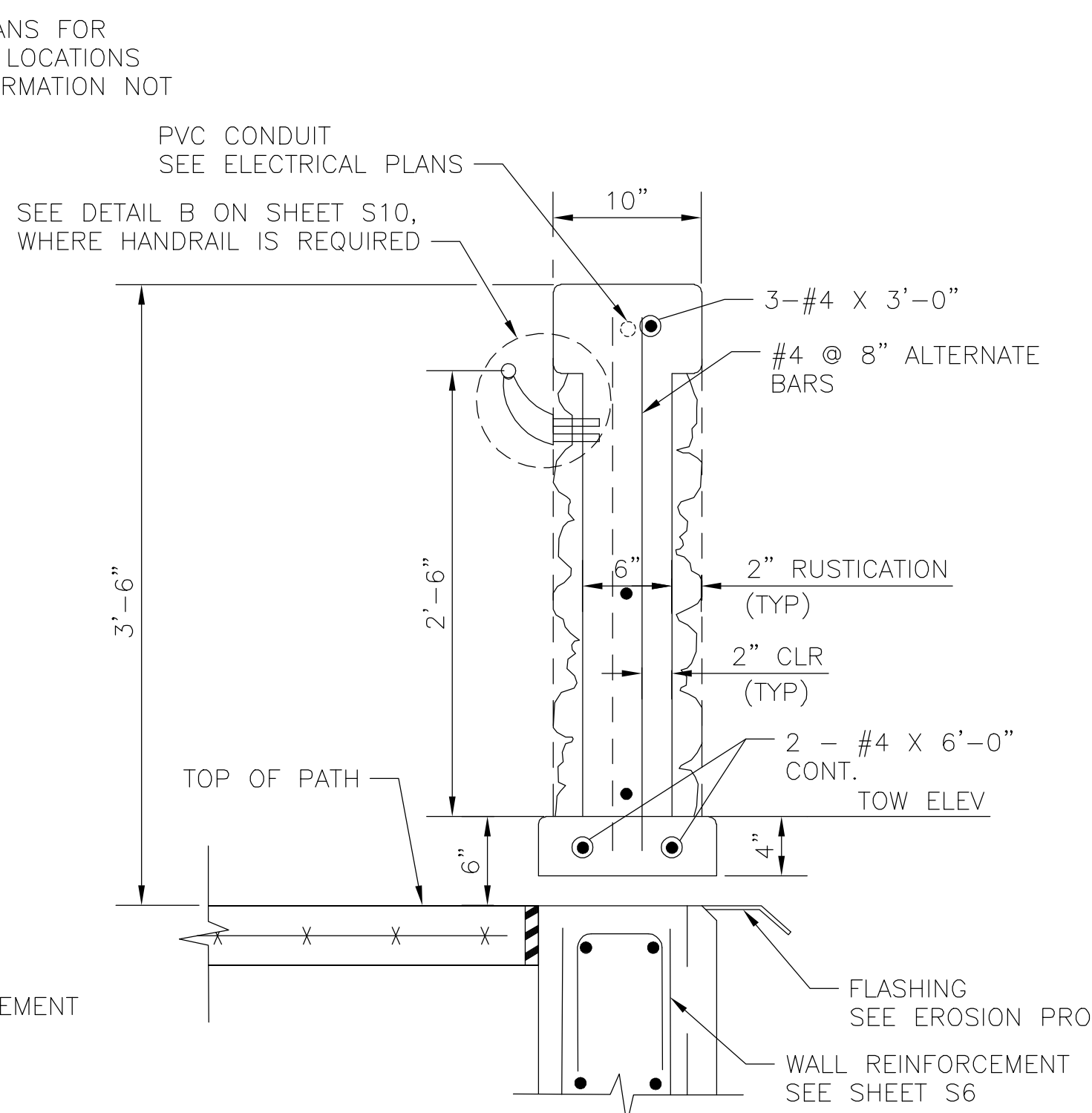




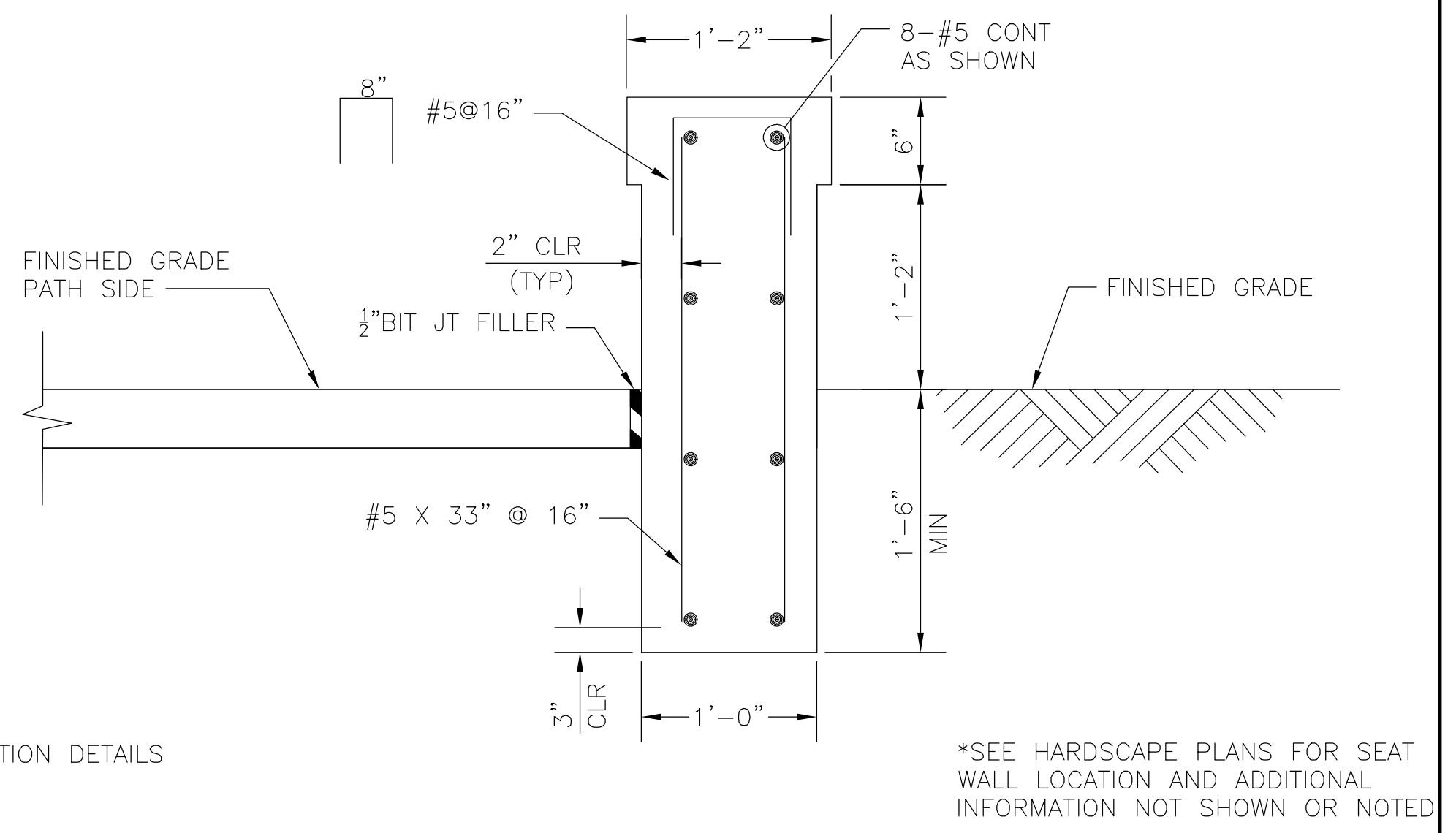
LANDING SCUPPER DETAIL
NOT TO SCALE



TYPICAL CONCRETE BARRIER SECTION
NOT TO SCALE



CONCRETE BARRIER AT LANDING
NOT TO SCALE



SEAT WALL DETAIL
NOT TO SCALE

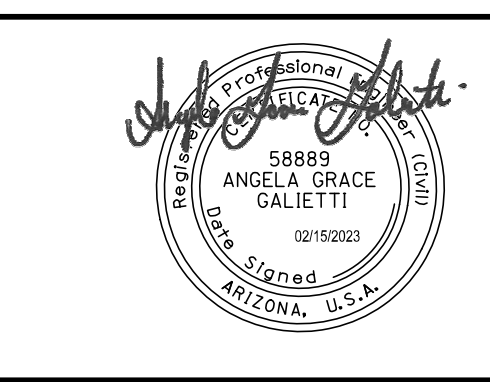
- NOTES:
1. ALL CONCRETE SHALL BE MAG CLASS A PER SECTION 725 OF MAG STANDARD SPECIFICATIONS, UNLESS NOTED OTHERWISE.
 2. REINFORCING STEEL SHALL CONFORM TO ASTM SPECIFICATION A934 EPOXY COATING REINFORCING. ALL BENDS AND HOOKS SHALL MEET THE REQUIREMENTS OF OF AASHTO LRFD ARTICLE 5.10. ALL BEND DIMENSIONS FOR REINFORCING STEEL SHALL BE OUT-TO-OUT OF BARS. ALL PLACEMENT DIMENSIONS FOR REINFORCING STEEL SHALL BE TO CENTER OF BARS UNLESS NOTED OTHERWISE.
 3. MINIMUM LAP LENGTH FOR BAR SPLICES SHALL BE:
 - #4 1'-0"
 - #5 1'-3"
 - #6 1'-8"
 - #7 2'-2"
 - #9 3'-8"

NOTICE OF EXTENDED PAYMENT PROVISION:
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Symbol	Revisions	Date	Appr.

Designed by: LES	Date: 02/15/2023
Drawn by: JB	Scale: AS NOTED
Checked by: AGG	Project Code: STRUCTURAL



wsp

WSP USA Inc.
1230 W. Washington St.
Suite 400
Tempe, AZ 85281

CITY OF SEDONA
PUBLIC WORKS DEPARTMENT
102 ROADRUNNER DRIVE
SEDONA, ARIZONA 86336
928-204-7111

SR 179 PEDESTRIAN CROSSING
AT OAK CREEK
SEDONA ARIZONA

MISCELLANEOUS
STRUCTURAL DETAILS 2

SHEET ID S7	
SHEET NO. 18	OF 45

SEE EROSION PROTECTION SHEETS FOR SCUPPER DIMENSIONS AND REINFORCING PER MAG DETAIL NO. 206

#6 X 1'-6" DOWELS @18" (TYP EA END)

2-#4 BARS
#5 HOOKED BARS @12" 8"

#5 HOOKED BARS @12" 1'-6" 1/2"

2-#5 X 16'-7" LONG

DRAINAGE SCUPPER CONNECTION DETAIL
NOT TO SCALE

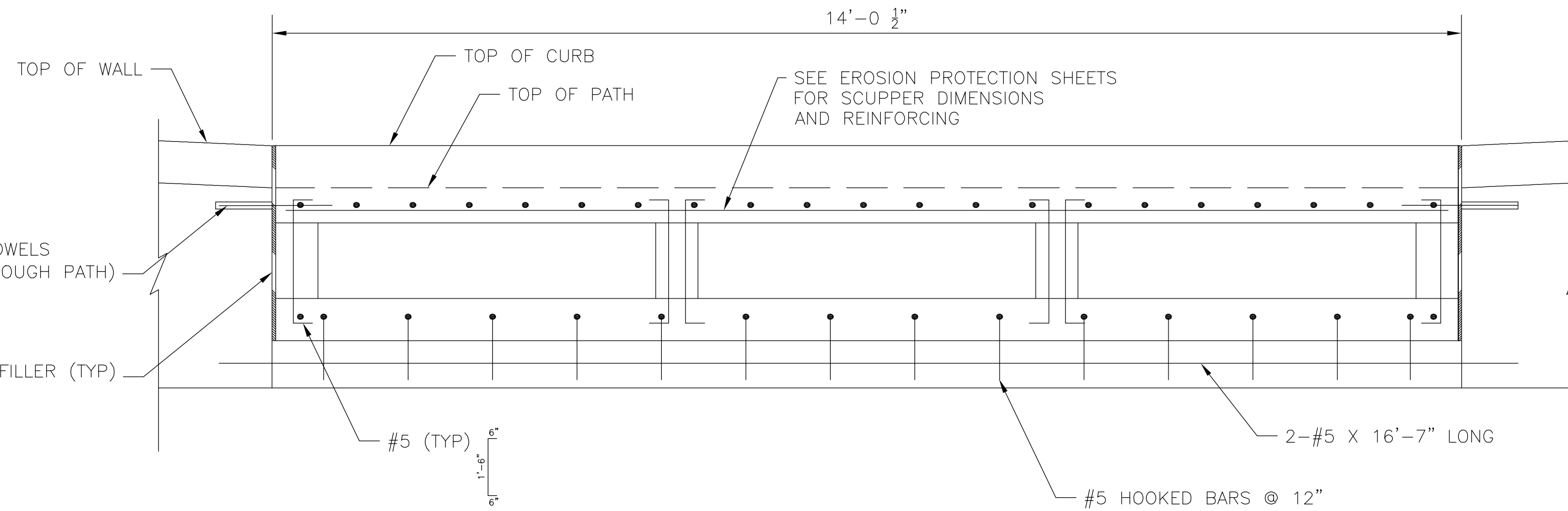
#6 X 1'-6" DOWELS @18" (TYP THROUGH PATH)

1/2" BIT. JT. FILLER (TYP)

#5 (TYP) 6"

2-#5 X 16'-7" LONG

#5 HOOKED BARS @ 12"



E DRAINAGE SCUPPER SECTION THROUGH WALL
NOT TO SCALE

NOTES:

1. ALL CONCRETE SHALL BE MAG CLASS A PER SECTION 725 OF MAG STANDARD SPECIFICATIONS, UNLESS NOTED OTHERWISE.
2. REINFORCING STEEL SHALL CONFORM TO ASTM SPECIFICATION A934 EPOXY COATING REINFORCING. ALL BENDS AND HOOKS SHALL MEET THE REQUIREMENTS OF AASHTO LRFD ARTICLE 5.10. ALL BEND DIMENSIONS FOR REINFORCING STEEL SHALL BE OUT-TO-OUT OF BARS. ALL PLACEMENT DIMENSIONS FOR REINFORCING STEEL SHALL BE TO CENTER OF BARS UNLESS NOTED OTHERWISE.
3. MINIMUM LAP LENGTH FOR BAR SPLICES SHALL BE:

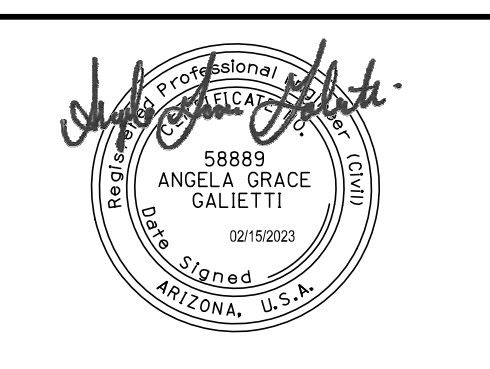
- #4 1'-0"
- #5 1'-3"
- #6 1'-8"
- #7 2'-2"
- #9 3'-8"

NOTICE OF EXTENDED PAYMENT PROVISION:
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Symbol	Revisions	Date	Appr.

Designed by: LES	Date: 02/15/2023
Drawn by: JB	Scale: AS NOTED
Checked by: AGG	Project Code: STRUCTURAL



wsp

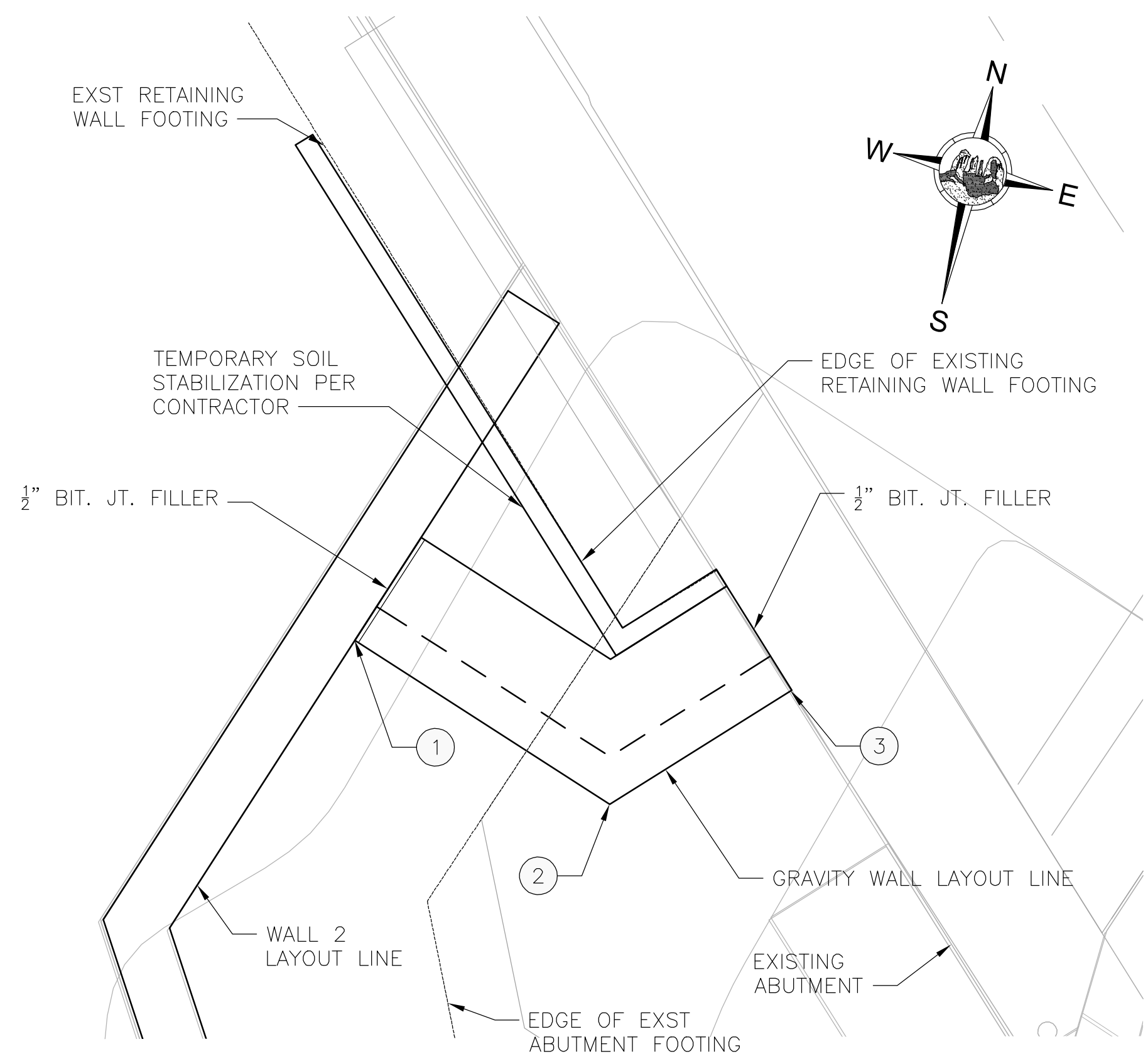
WSP USA Inc.
1230 W. Washington St.
Suite 400
Tempe, AZ 85281

CITY OF SEDONA
PUBLIC WORKS DEPARTMENT
102 ROADRUNNER DRIVE
SEDONA, ARIZONA 86336
928-204-7111

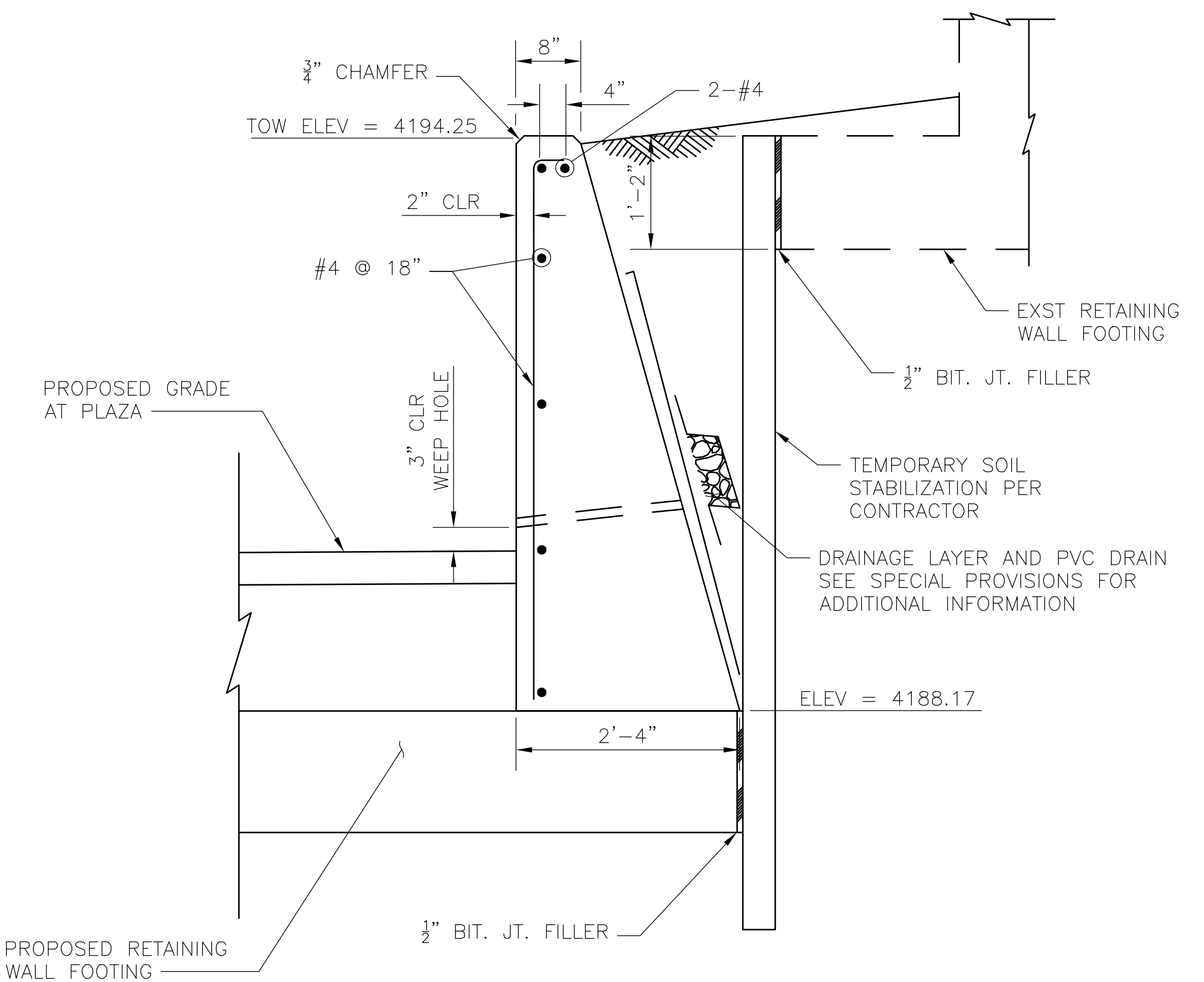
SR 179 PEDESTRIAN CROSSING
AT OAK CREEK
SEDONA ARIZONA

**MISCELLANEOUS
STRUCTURAL DETAILS 3**

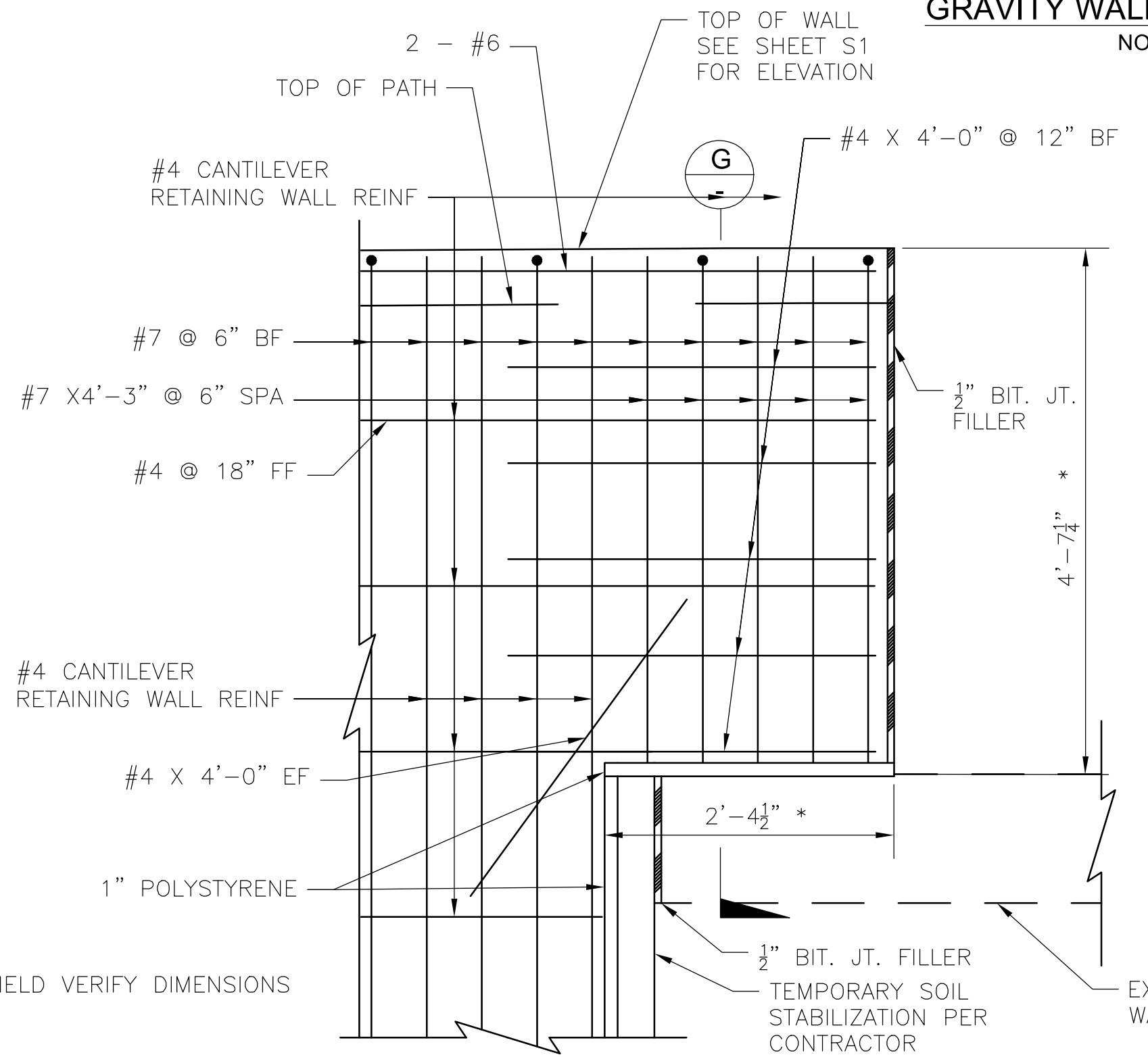
SHEET ID S8	
SHEET NO. 19	OF 45



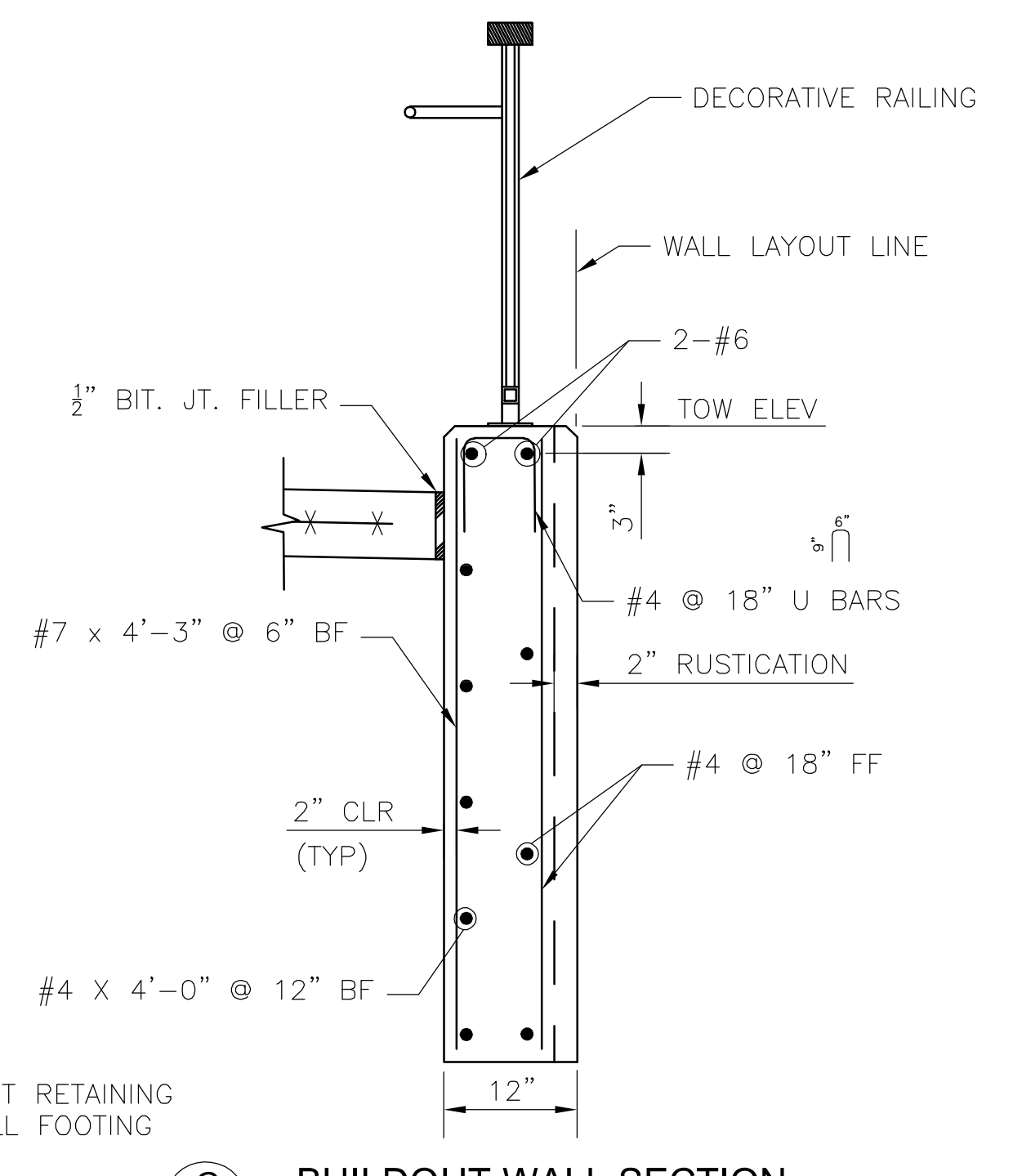
GRAVITY WALL PLAN
SCALE: 1" = 2'-0"



GRAVITY WALL - TYPICAL SECTION
NOT TO SCALE



DETAIL B - RETAINING WALL BUILDOUT
NOT TO SCALE



BUILDOUT WALL SECTION
NOT TO SCALE

GRAVITY WALL NOTES:

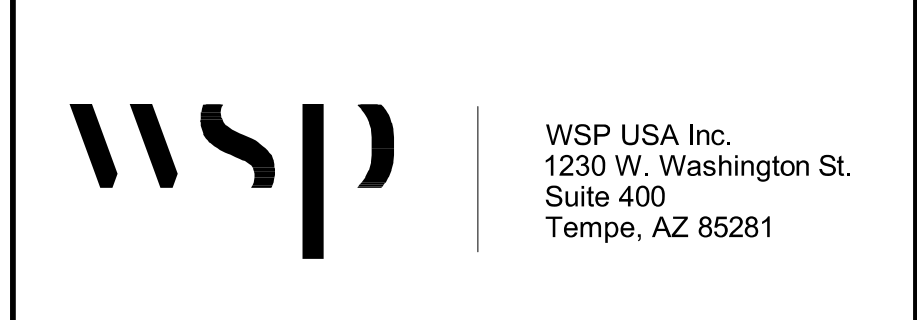
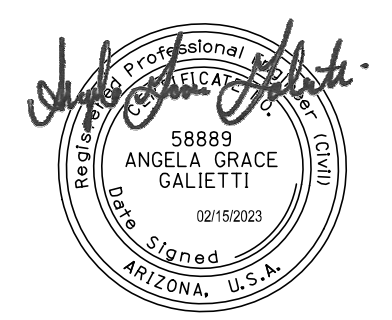
1. CONCRETE FOR GRAVITY WALL SHALL BE CLASS A PER SECTION 725 OF MAG STANDARD SPECIFICATIONS.
2. REINFORCING STEEL SHALL CONFORM TO ASTM SPECIFICATION A934 EPOXY COATED REINFORCING BARS. ALL REINFORCING SHALL BE GRADE 60. ASTM A884, CLASS A WELDED WIRE FABRIC REINFORCING (WWR) MAY BE SUBSTITUTED ON AN EQUAL AREA BASIS.
3. ALL BENDS AND HOOKS SHALL MEET THE REQUIREMENTS OF OF AASHTO LRFD ARTICLE 5.10. ALL BEND DIMENSIONS FOR REINFORCING STEEL SHALL BE OUT-TO-OUT OF BARS. ALL PLACEMENT DIMENSIONS FOR REINFORCING STEEL SHALL BE TO CENTER OF BARS UNLESS NOTED OTHERWISE.
4. AGGREGATE SHALL BE PER MAG TABLE 605-1 F1 OR F2. GEOSYNTHETIC FABRIC SHALL BE PER MAG TABLE 796-2 CLASS B. PROVIDE A CONTINUOUS 1'X1' CLEAN GRAVEL OR CRUSHED ROCK DRAIN. WRAP DRAINAGE AREA AS SHOWN WITH GEOTEXTILE FABRIC. PROVIDE A 8"X8" GALVANIZED MESH WITH 1/2" OPENINGS, AT THE INSIDE END OF THE PVC DRAIN PIPE. PROVIDE 2' DIA. PVC DRAIN PIPE (SCH. 40) AT 10 FT. MAX SPACING LOCATE 2'-0" MIN. FROM WALL JOINTS.
5. THE EXPOSED FACE OF WALLS SHALL BE RUSTICATED. SEE AESTHETIC REQUIREMENTS FOR ADDITIONAL INFORMATION.
6. MIN LAP LENGTH
7. BF = BACK FACE
FF = FRONT FACE
EF = EACH FACE

GRAVITY WALL		
PT	NORTHING	EASTING
1	1405236.04	746340.70
2	1405234.36	746345.44
3	1405236.90	746347.94

NOTICE OF EXTENDED PAYMENT PROVISION:
(PER ARS 32-1129.01) THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVALS OF BILLINGS AND ESTIMATES FOR PROGRESS PAYMENTS WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVALS OF BILLINGS AND ESTIMATES FOR RELEASE OF RETENTION AND WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVAL OF BILLINGS AND ESTIMATES FOR FINAL PAYMENT.

Symbol	Revisions	Date	Appr.

Designed by:	LES	Date:	02/15/2023
Drawn by:	JB	Scale:	AS NOTED
Checked by:	AGG	Project Code:	STRUCTURAL



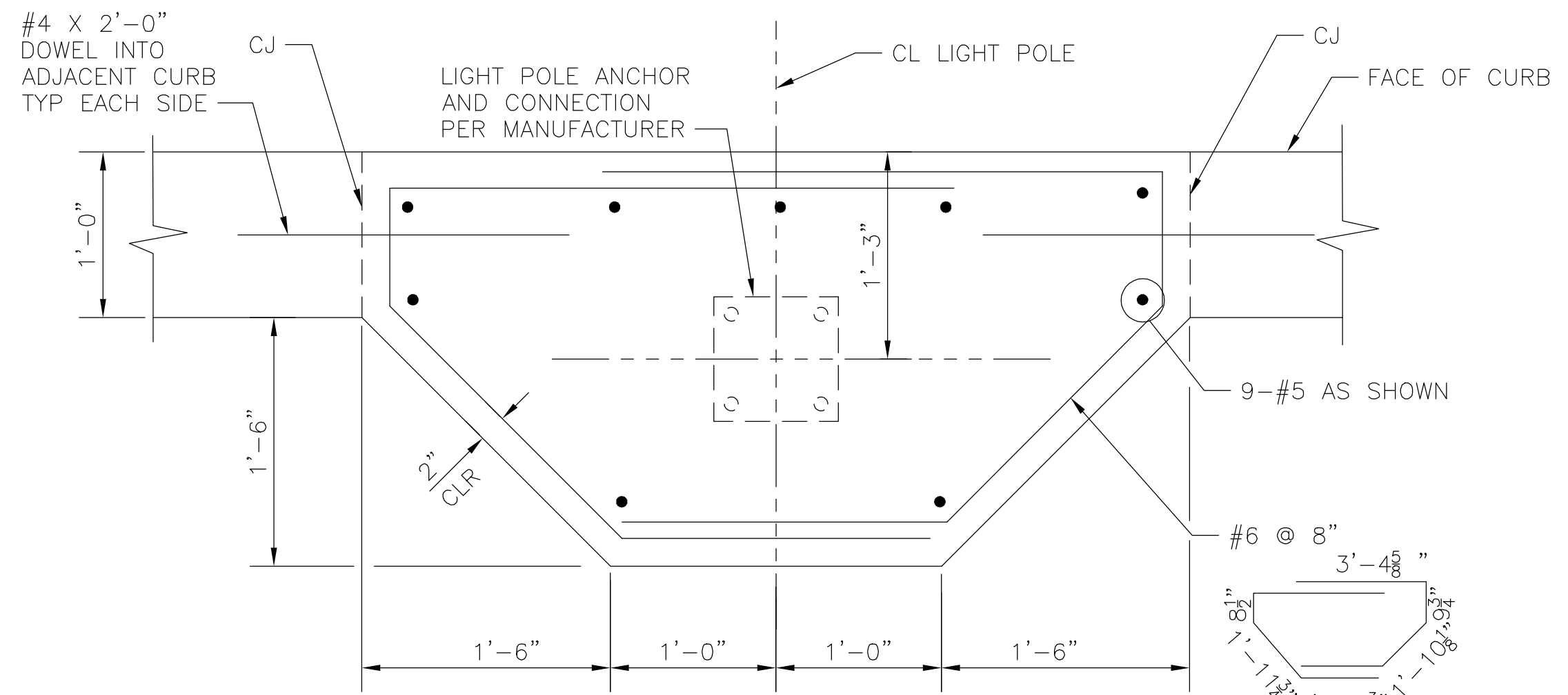
CITY OF SEDONA
PUBLIC WORKS DEPARTMENT
102 ROADRUNNER DRIVE
SEDONA, ARIZONA 86336
928-204-7111

SR 179 PEDESTRIAN CROSSING
AT OAK CREEK
SEDONA ARIZONA

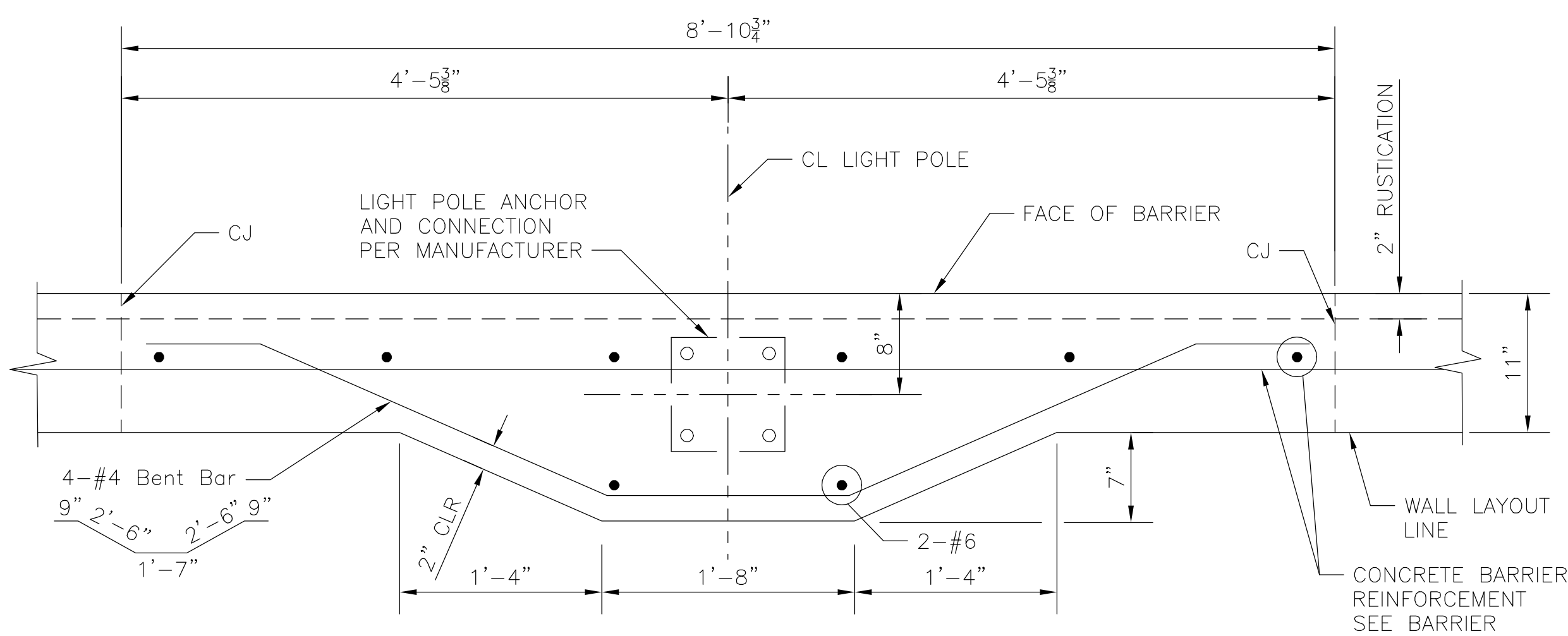
**MISCELLANEOUS
STRUCTURAL DETAILS 4**

SHEET ID	
S9	
SHEET NO.	OF
20	45

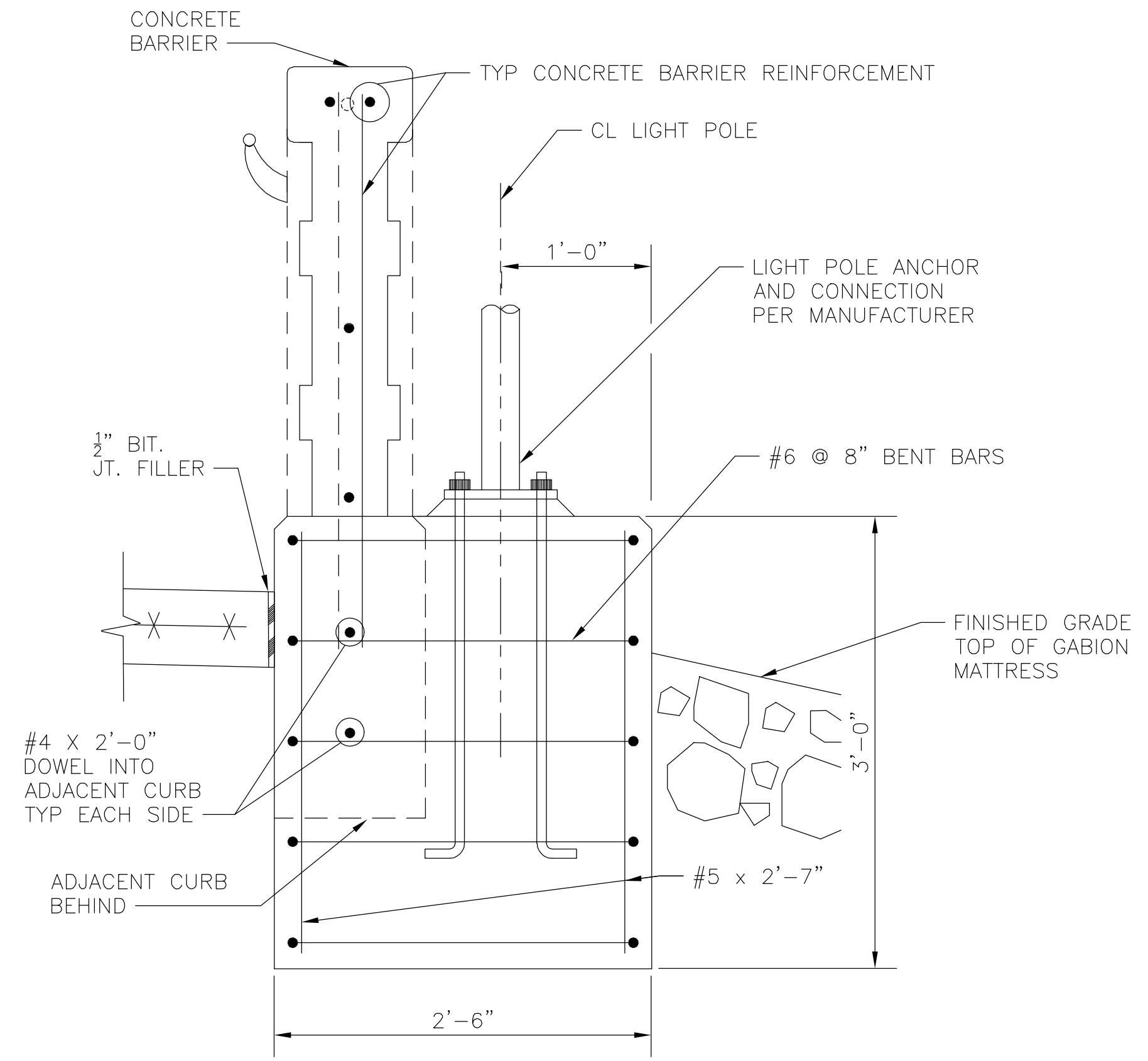




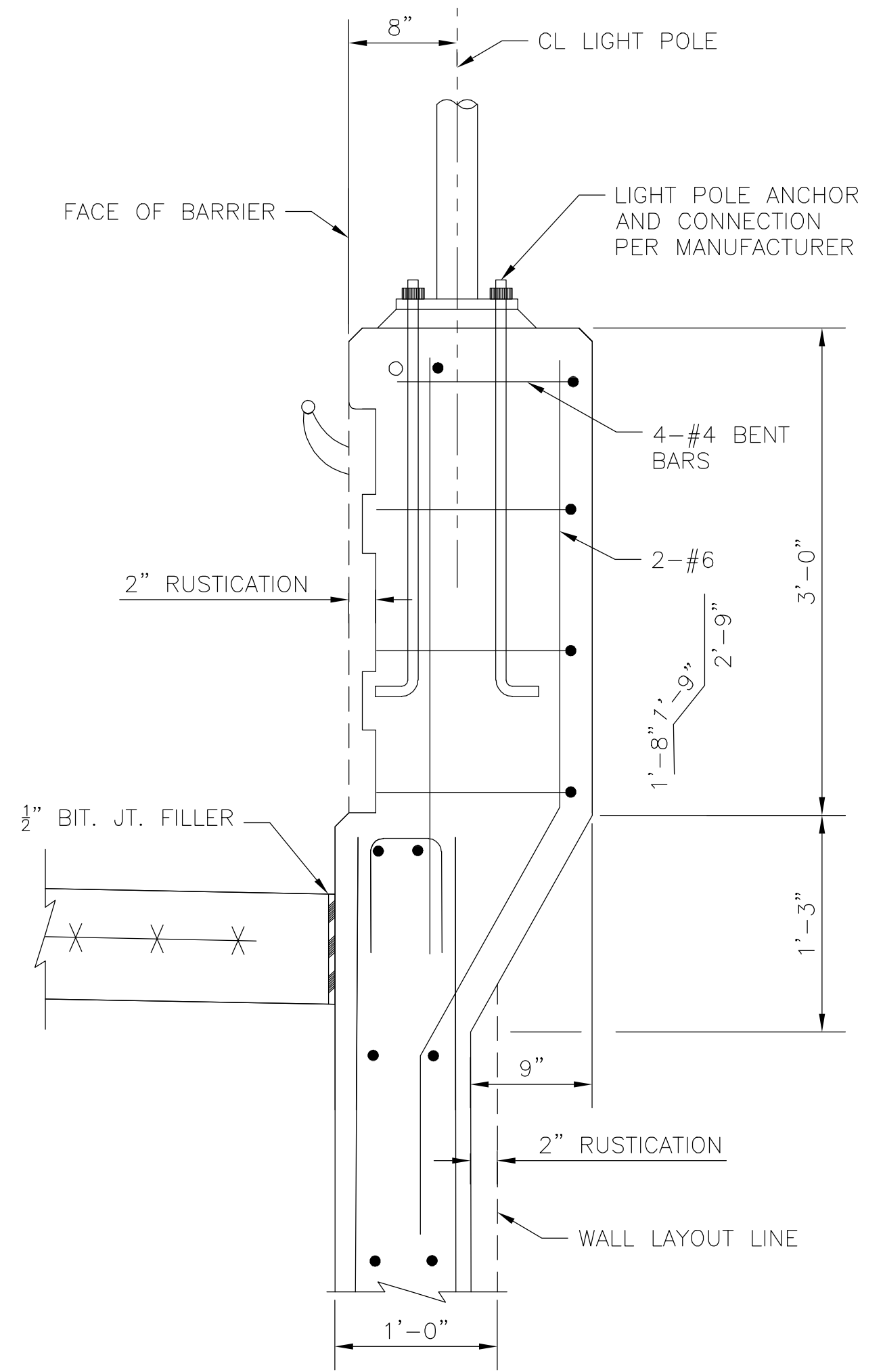
CONCRETE BARRIER MOUNTED LIGHT POLE BLISTER - PLAN
NOT TO SCALE



WALL MOUNTED LIGHT POLE BLISTER - PLAN
NOT TO SCALE



CONCRETE BARRIER MOUNTED LIGHT POLE BLISTER - SECTION
NOT TO SCALE



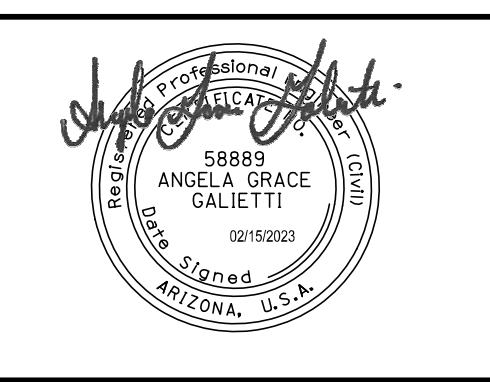
WALL MOUNTED LIGHT POLE BLISTER - SECTION
NOT TO SCALE

- NOTES:
1. ALL CONCRETE SHALL BE MAG CLASS A PER SECTION 725 OF MAG STANDARD SPECIFICATIONS, UNLESS NOTED OTHERWISE.
 2. REINFORCING STEEL SHALL CONFORM TO ASTM SPECIFICATION A934 EPOXY COATING REINFORCING. ALL BENDS AND HOOKS SHALL MEET THE REQUIREMENTS OF AASHTO LRFD ARTICLE 5.10. ALL BEND DIMENSIONS FOR REINFORCING STEEL SHALL BE OUT-TO-OUT OF BARS. ALL PLACEMENT DIMENSIONS FOR REINFORCING STEEL SHALL BE TO CENTER OF BARS UNLESS NOTED OTHERWISE.
 3. MINIMUM LAP LENGTH FOR BAR SPLICES SHALL BE:
#4 1'-0"
#5 1'-3"
#6 1'-8"
#7 2'-2"

NOTICE OF EXTENDED PAYMENT PROVISION:
(PER ARS 32-1129.01) THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVALS OF BILLINGS AND ESTIMATES FOR PROGRESS PAYMENTS WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVALS OF BILLINGS AND ESTIMATES FOR RELEASE OF RETENTION AND WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVAL OF BILLINGS AND ESTIMATES FOR FINAL PAYMENT.

Symbol	Revisions	Date	Appr.

Designed by:	LES	Date:	02/15/2023
Drawn by:	JB	Scale:	AS NOTED
Checked by:	AGG	Project Code:	STRUCTURAL



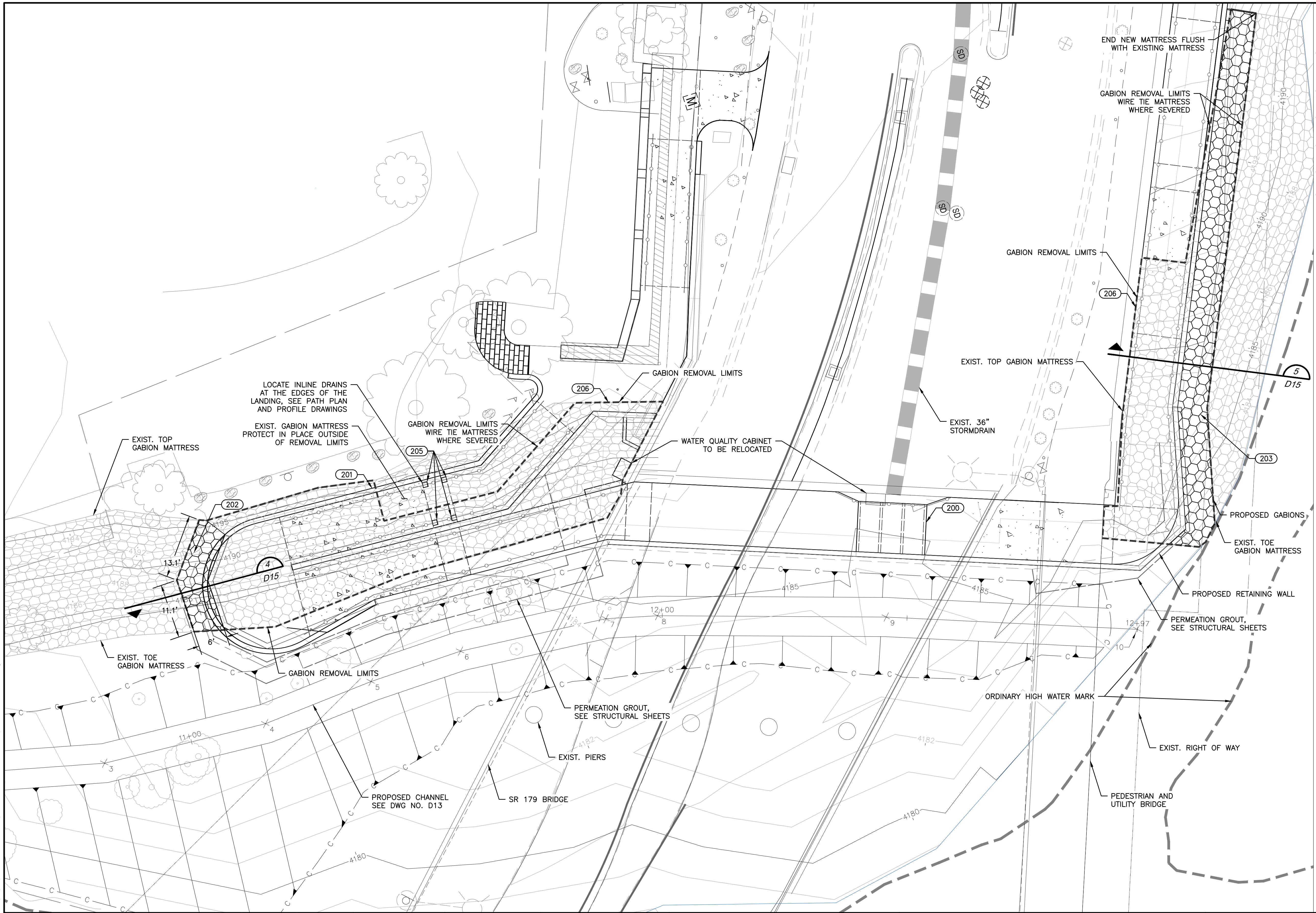
CITY OF SEDONA
PUBLIC WORKS DEPARTMENT
102 ROADRUNNER DRIVE
SEDONA, ARIZONA 86336
928-204-7111

SR 179 PEDESTRIAN CROSSING
AT OAK CREEK
SEDONA ARIZONA

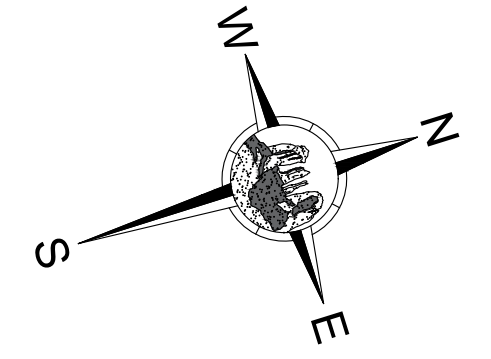
**MISCELLANEOUS
STRUCTURAL DETAILS 6**

SHEET ID	
S11	
SHEET NO.	OF
22	45





- CONSTRUCTION NOTES**
- (200) INSTALL MODIFIED MAG 206 SCUPPER (3 IN SERIES) PER DETAIL 1, SEE EROSION PROTECTION DETAILS. 1 EA
 - (201) INSTALL ROCK BACKFILL PER DETAIL 2, SEE EROSION PROTECTION DETAILS. 3 CY
 - (202) INSTALL GABION MATTRESS PER DETAIL 4, 6 CY SEE EROSION PROTECTION DETAILS.
 - (203) INSTALL GABION MATTRESS PER DETAIL 5, 25 CY SEE EROSION PROTECTION DETAILS.
 - (205) INSTALL INLINE DRAIN PER DETAIL 7, SEE EROSION PROTECTION DETAILS. 4 EA
 - (206) REMOVE EXISTING GABION MATTRESS 120 CY



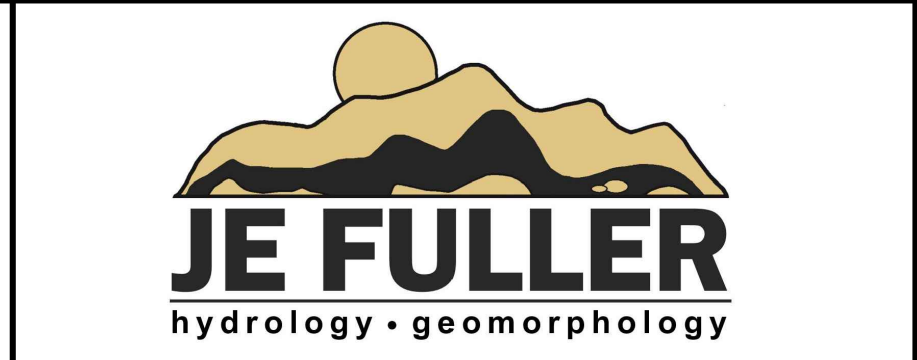
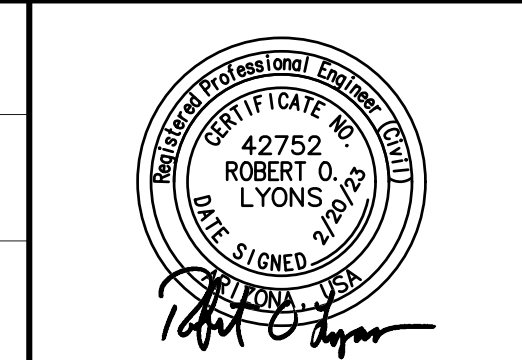
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1"
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY



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Symbol	Revisions	Date	Appr.

Designed by:	RL/BD	Date:	2/20/2023
Drawn by:	BD	Scale:	1:10
Checked by:	RL	Project Code:	CIVIL



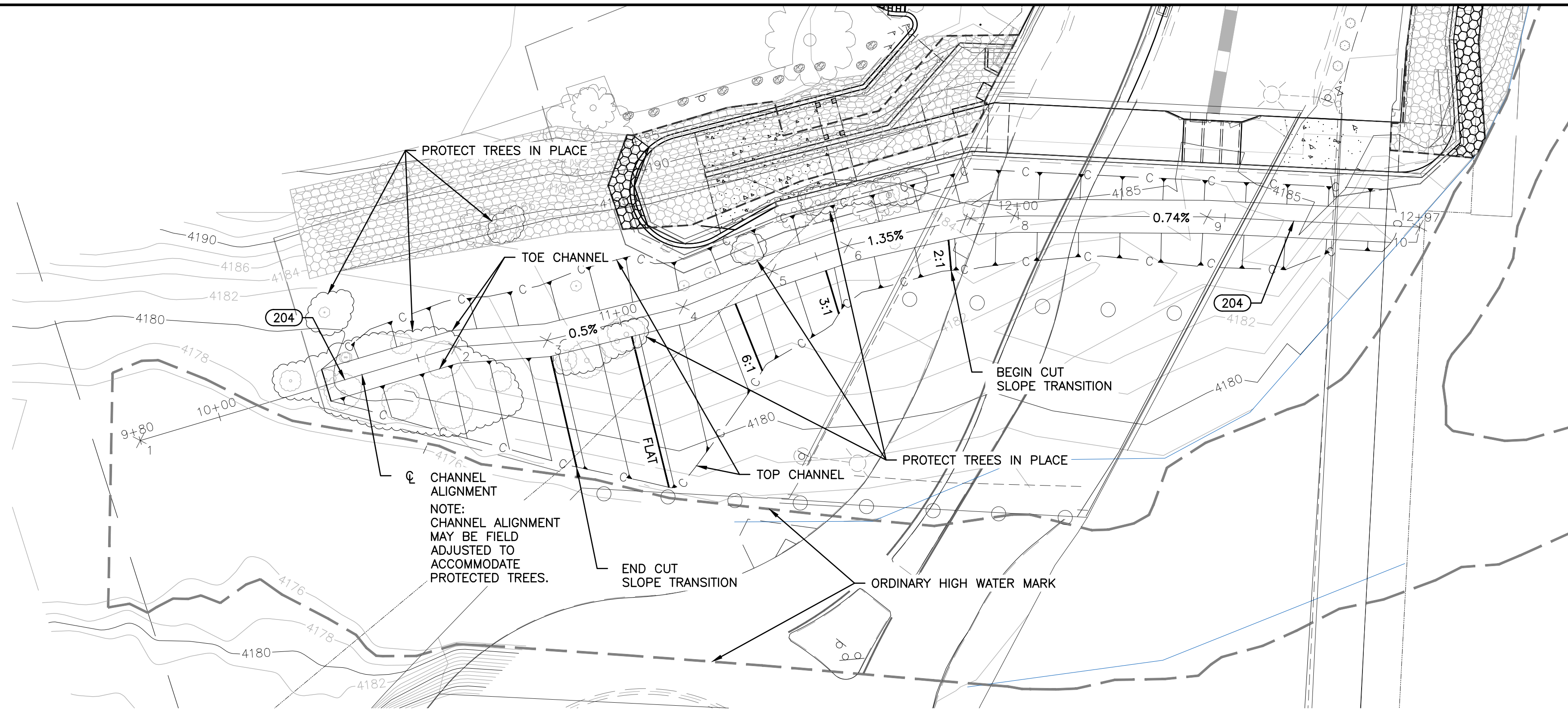
CITY OF SEDONA
PUBLIC WORKS DEPARTMENT
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 SEDONA, ARIZONA 86336
 928-204-7111

SR 179 PEDESTRIAN CROSSING
 AT TLAQUEPAQUE
 SEDONA, ARIZONA

EROSION PROTECTION PLAN

SHEET ID	
D12	
SHEET NO.	OF
23	45

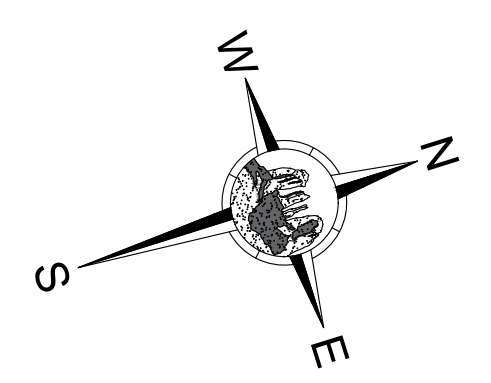
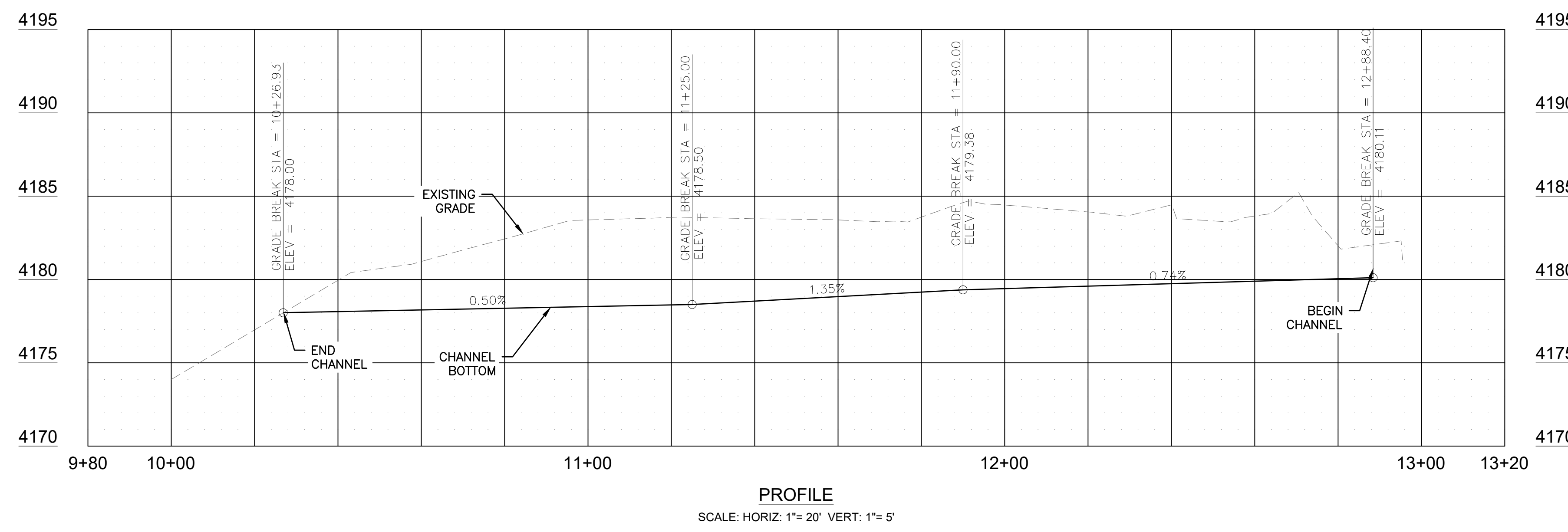
Control Point Table		
Point #	Northing	Easting
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2	1405092.13	746371.19
3	1405113.79	746376.32
4	1405147.56	746378.47
5	1405170.69	746376.71
6	1405189.98	746376.27
7	1405220.32	746378.85
8	1405230.53	746381.43
9	1405275.00	746395.68
10	1405323.18	746413.43



CONSTRUCTION NOTES

(204) INSTALL CHANNEL PER DETAIL 3, SEE EROSION PROTECTION DETAILS.

CHANNEL EXCAVATION 1765 CY
RIVER ROCK LINING 735 CY



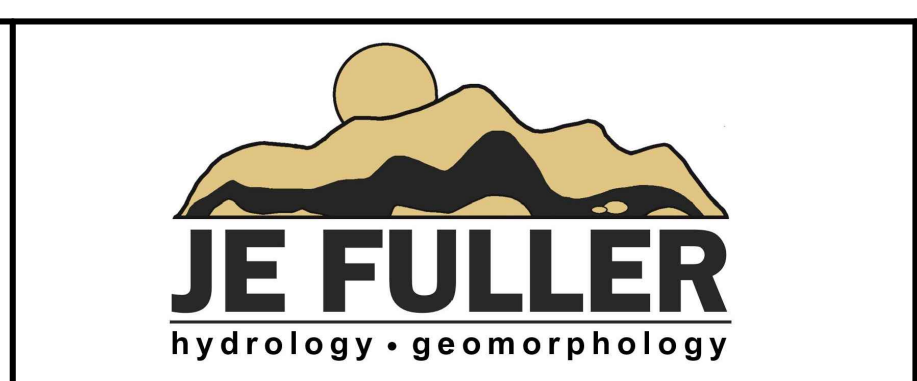
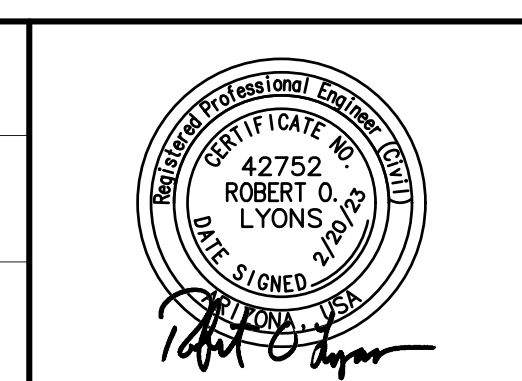
VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY



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Symbol	Revisions	Date	Appr.

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Checked by:	RL	Project Code:	CIVIL



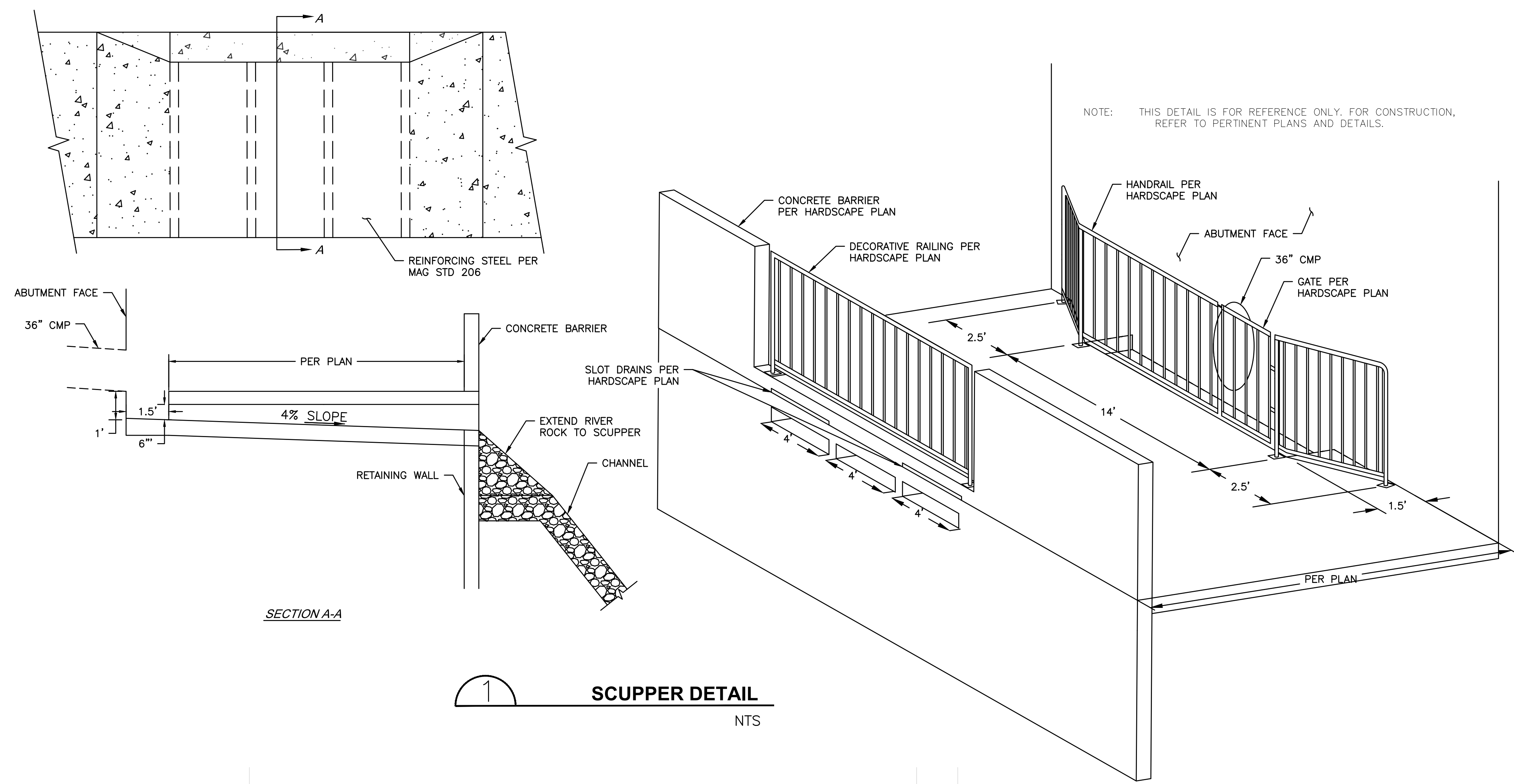
CITY OF SEDONA
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928-204-7111

SR 179 PEDESTRIAN CROSSING
AT TLAQUEPAQUE
SEDONA, ARIZONA

EROSION PROTECTION PLAN

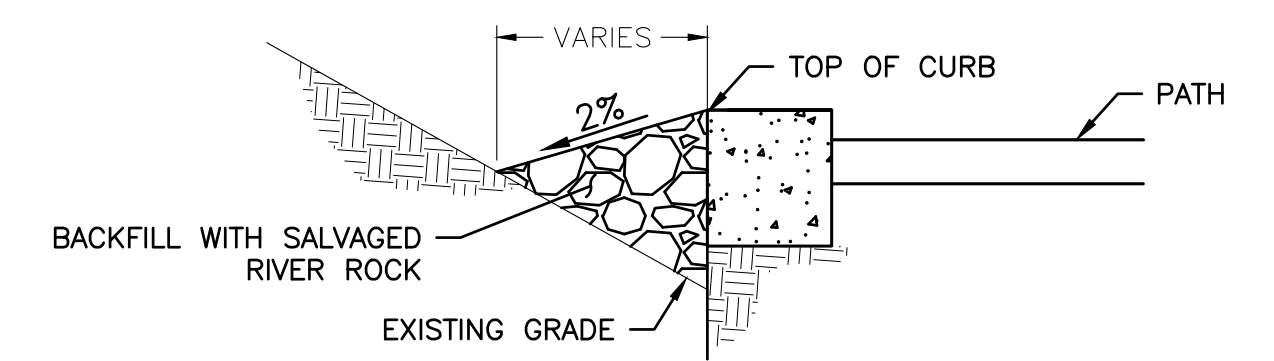
SHEET ID	
D13	
SHEET NO.	OF
24	45

NOTE: THIS DETAIL IS FOR REFERENCE ONLY. FOR CONSTRUCTION, REFER TO PERTINENT PLANS AND DETAILS.



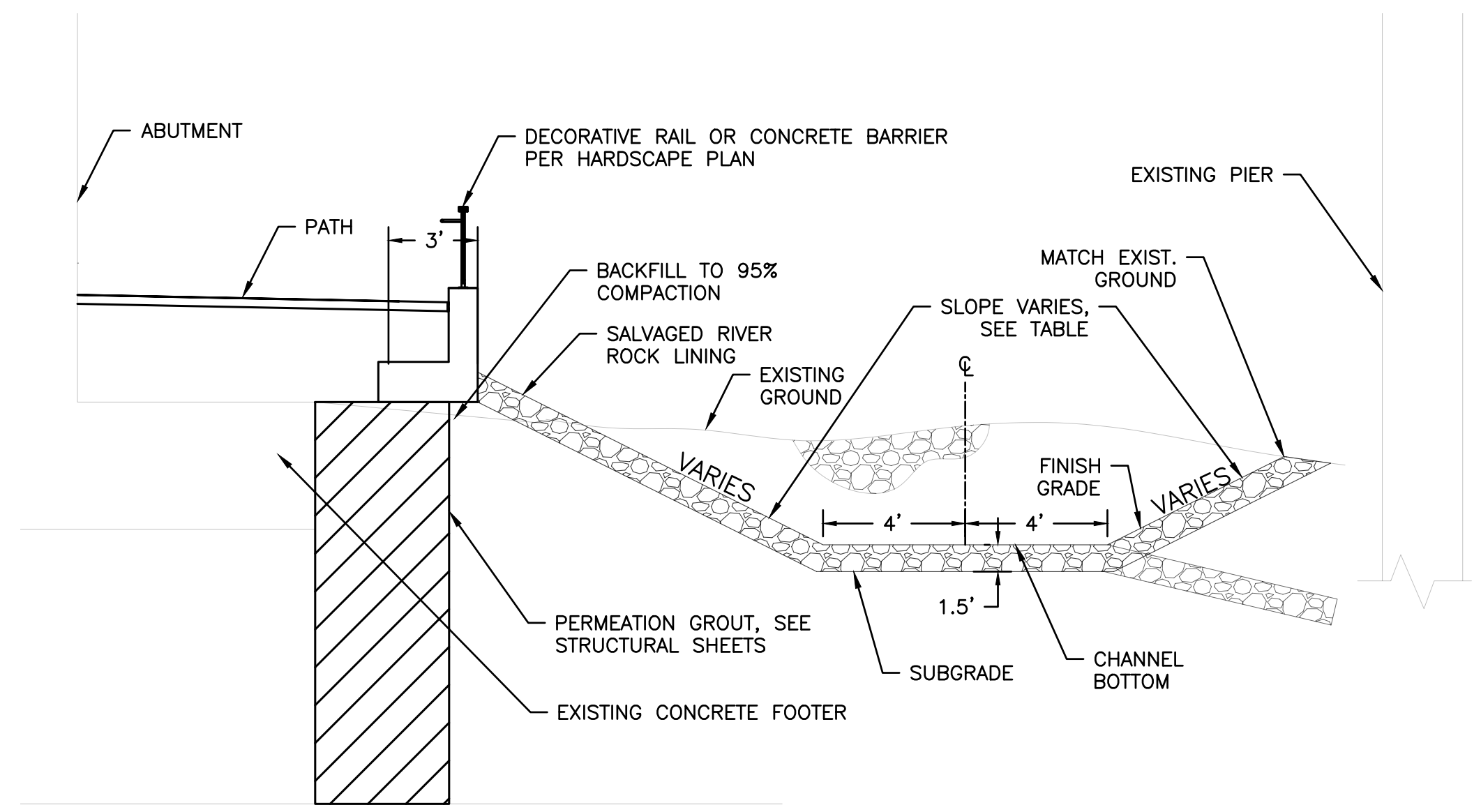
SECTION A-A

1 SCUPPER DETAIL
NTS



NOTE: APPLY BACKFILL IN AREAS OF SEPARATION BETWEEN EXISTING GRADE AND RETAINING WALL

2 ROCK BACKFILL
NTS



STATION	SLOPE
11+82.65	2:1
11+51.11	3:1
11+27.60	6:1
11+01.83	FLAT
10+81.72	-2%
10+26.93	-2%

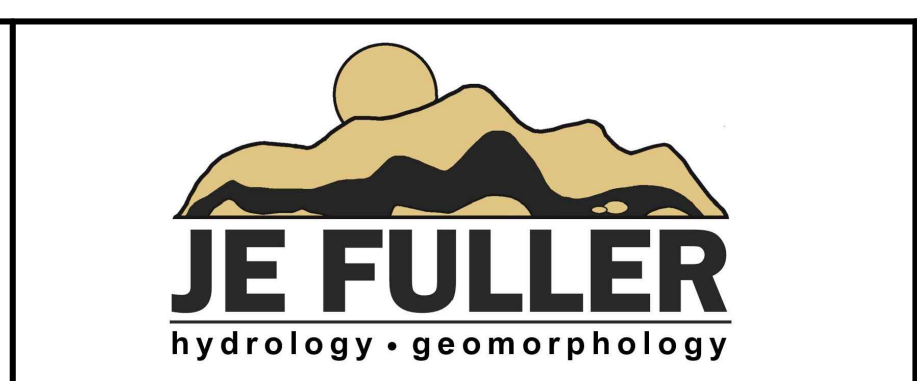
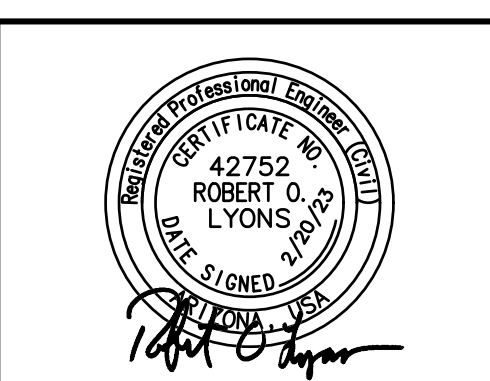
3 CHANNEL DETAIL
NTS



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Symbol	Revisions	Date	Appr.

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Drawn by:	BD	Scale:	1:X
Checked by:	RL	Project Code:	CIVIL

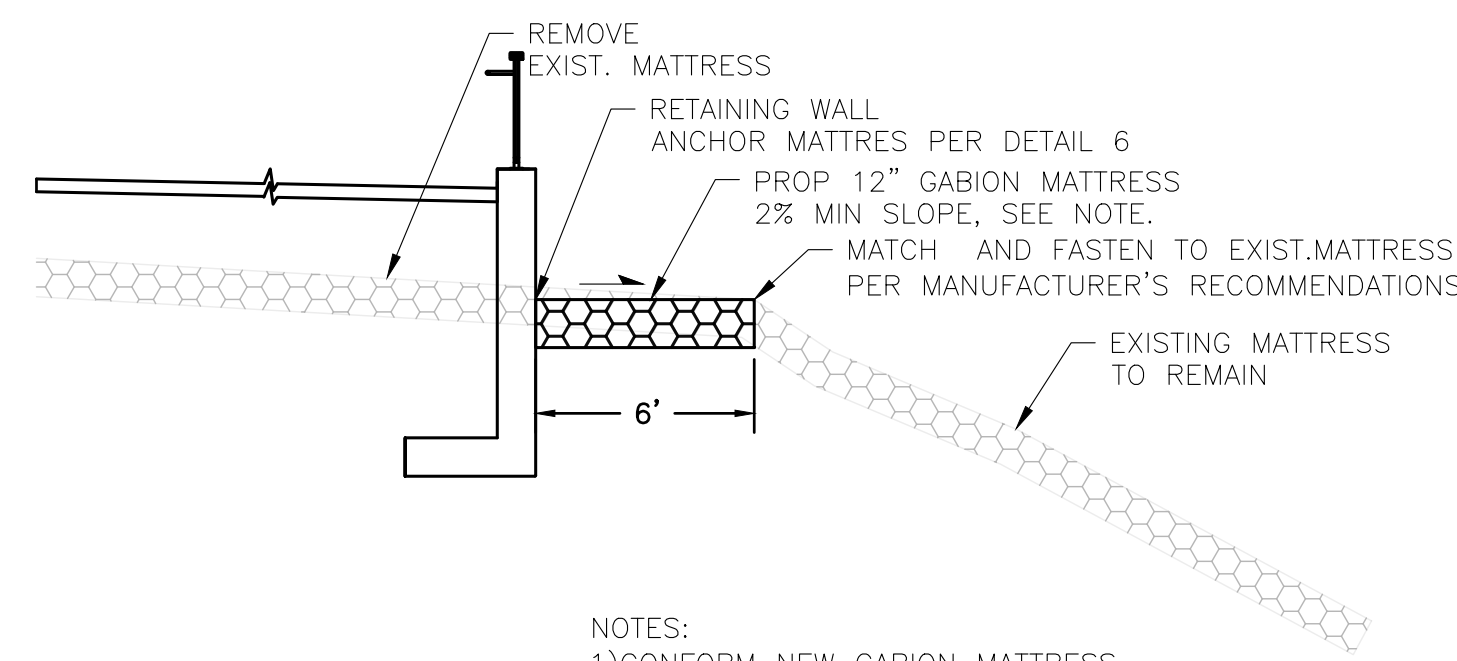


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102 ROADRUNNER DRIVE
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928-204-7111

SR 179 PEDESTRIAN CROSSING
AT TLAQUEPAQUE
SEDONA, ARIZONA

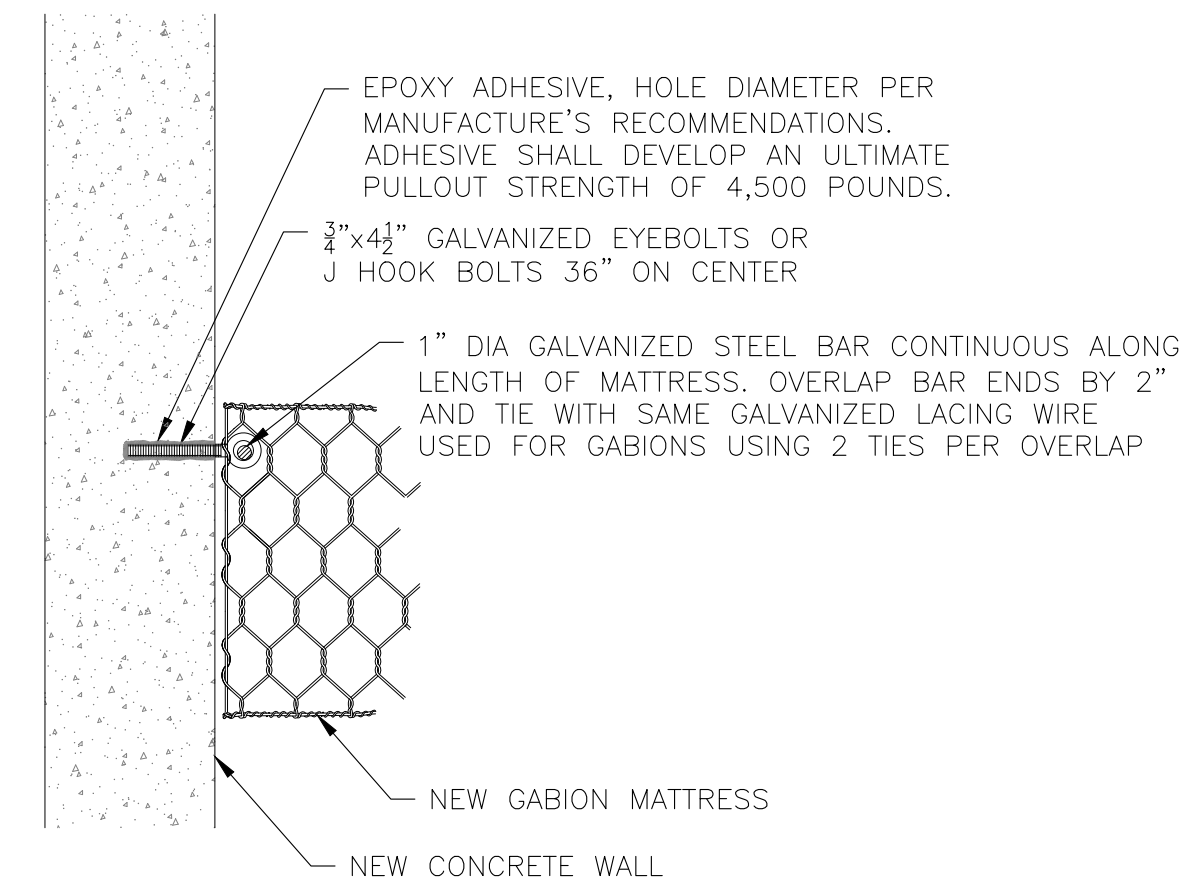
**EROSION
PROTECTION
DETAILS**

DWG NO.	D14	
SHEET NO.	25	OF 45

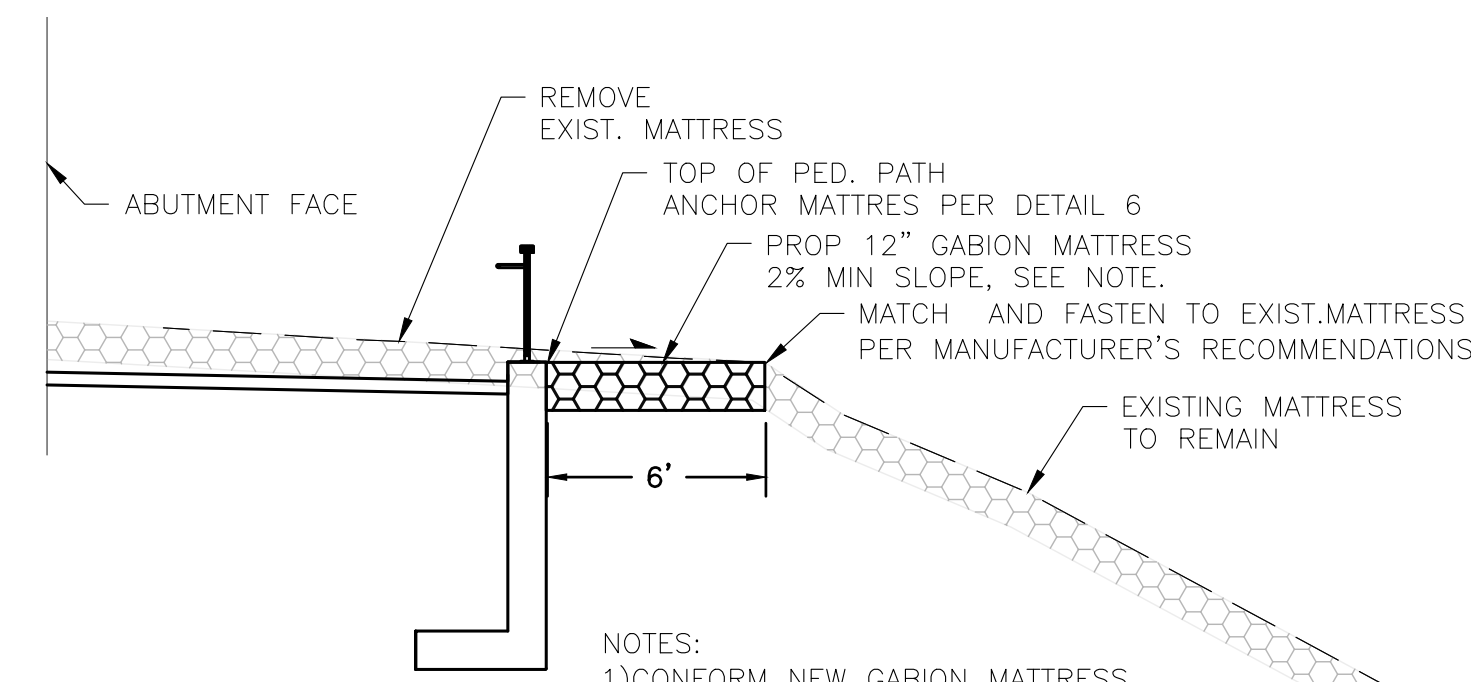


NOTES:
 1) CONFORM NEW GABION MATTRESS TO MATCH EXISTING MATTRESSES
 2) ALL DISTURBED EXISTING MATTRESSES DURING CONSTRUCTION MUST BE REPLACED

4 BANK PROTECTION SECTION
 NTS

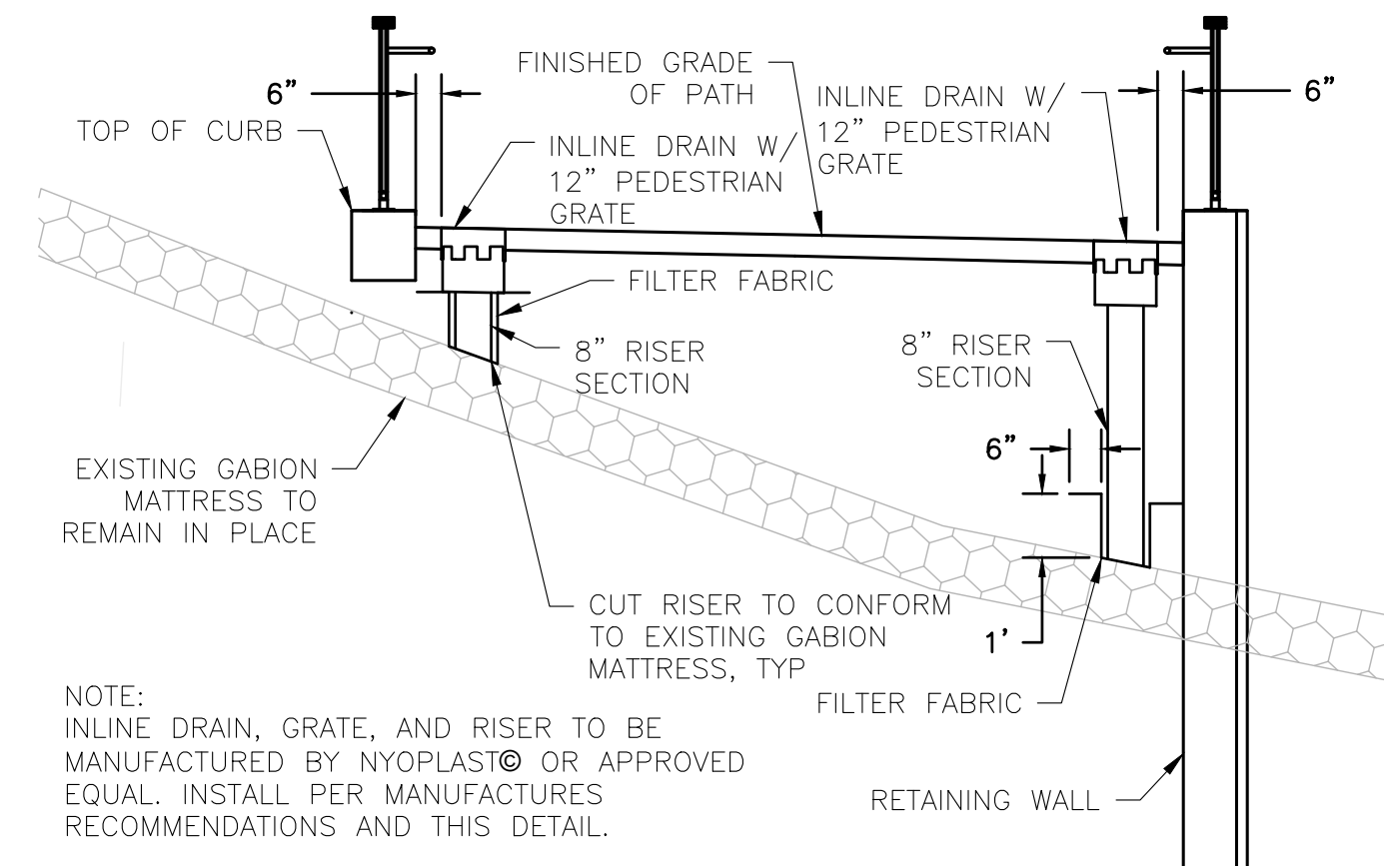


6 MATTRESS ANCHOR TO CONCRETE
 NTS



NOTES:
 1) CONFORM NEW GABION MATTRESS TO MATCH EXISTING MATTRESSES.
 2) ALL DISTURBED EXISTING MATTRESSES OUTSIDE THE REMOVAL LIMITS SHOWN ON THESE PLANS MUST BE REPLACED.

5 BANK PROTECTION SECTION
 NTS



NOTE:
 INLINE DRAIN, GRATE, AND RISER TO BE MANUFACTURED BY NYOPLAST® OR APPROVED EQUAL. INSTALL PER MANUFACTURES RECOMMENDATIONS AND THIS DETAIL.

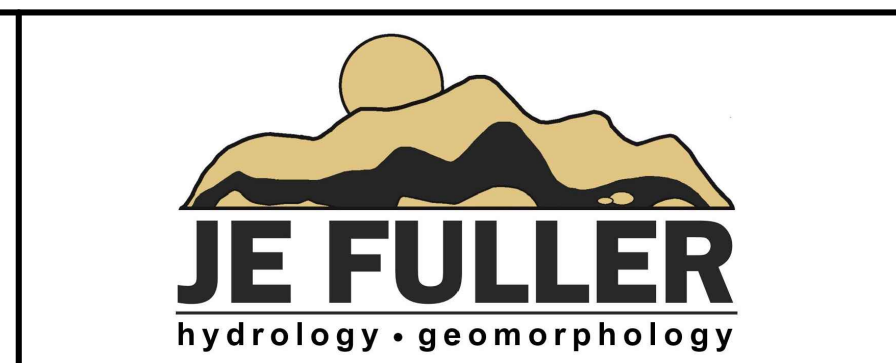
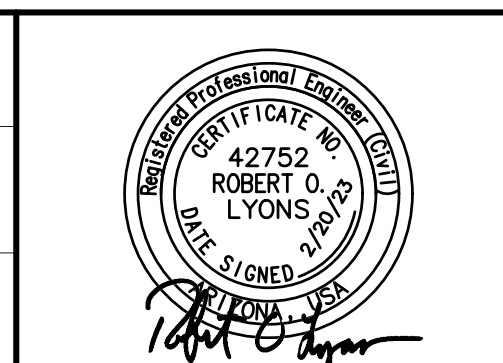

7 DRAIN INLET
 NTS

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Symbol	Revisions	Date	Appr.

Designed by:	RL/BD	Date:	2/20/2023
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Checked by:	RL	Project Code:	CIVIL

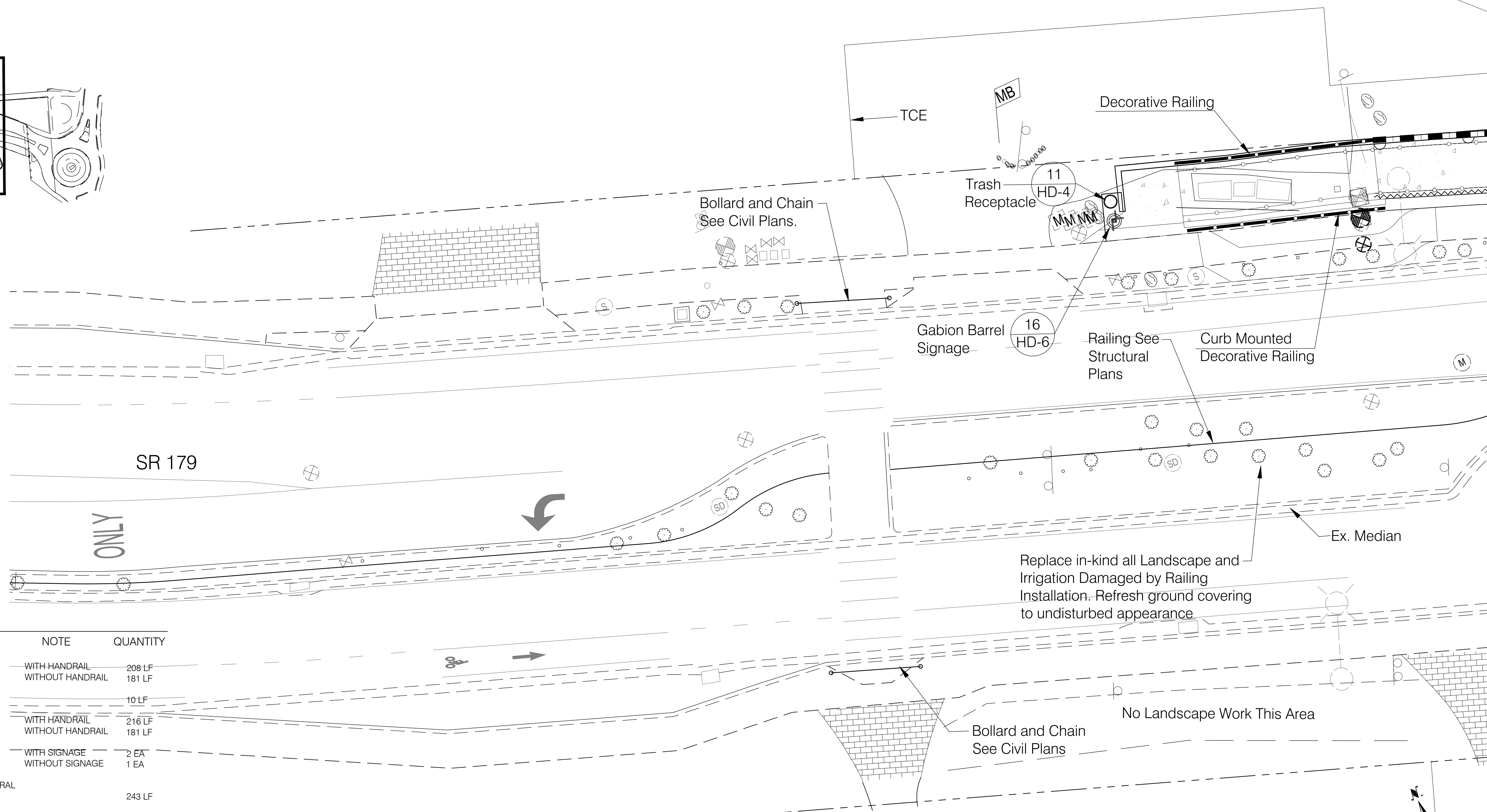
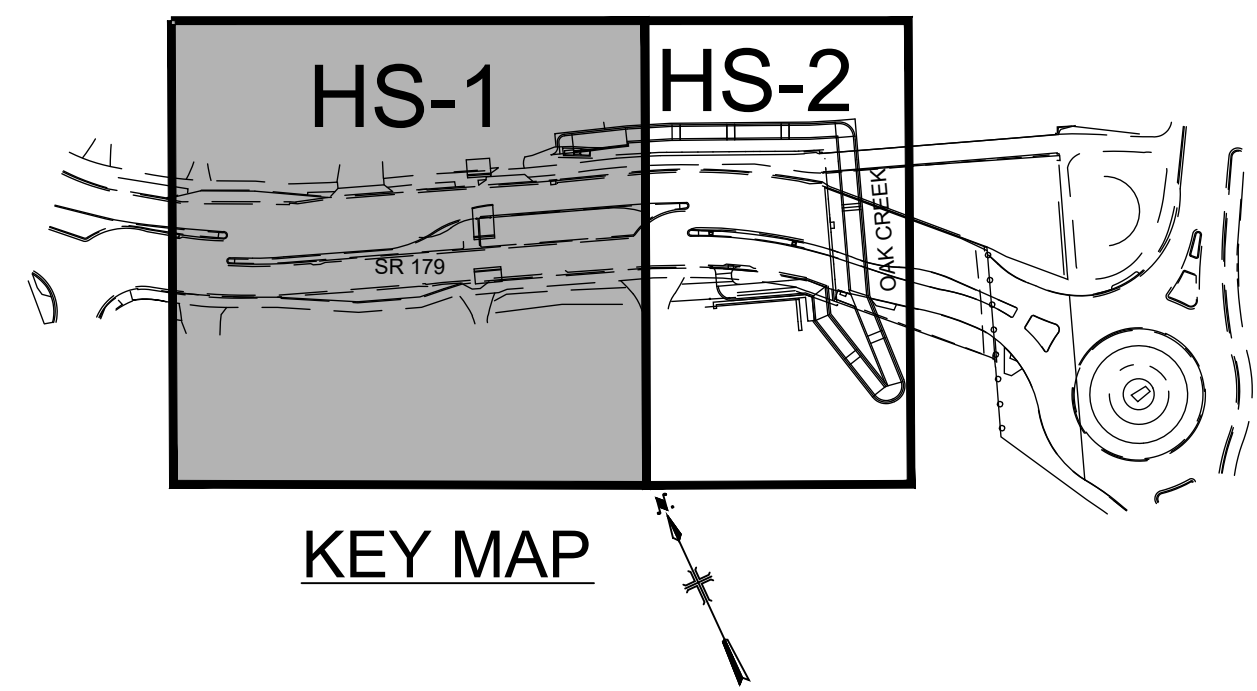



CITY OF SEDONA
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102 ROADRUNNER DRIVE
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928-204-7111

SR 179 PEDESTRIAN CROSSING
 AT TLAQUEPAQUE
 SEDONA, ARIZONA

**EROSION
 PROTECTION
 DETAILS**

SHEET ID	
D15	
SHEET NO.	OF
26	45



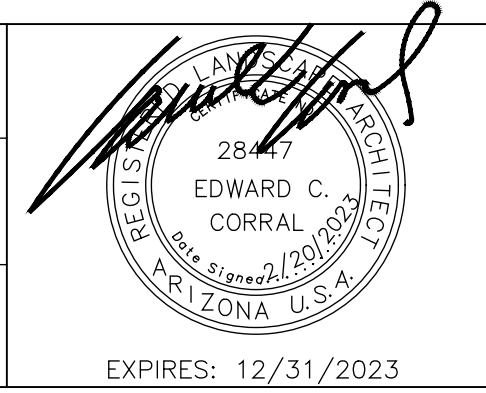
HARDSCAPE LEGEND

SYMBOL	ITEM	DETAIL	NOTE	QUANTITY
▬▬▬▬	CONCRETE BARRIER	6 / HD-3	WITH HANDRAIL WITHOUT HANDRAIL	208 LF 181 LF
▬▬▬▬	SEAT WALL	10 / HD-4		10 LF
—●—●—●—●—	DECORATIVE RAILING	9 / HD-4	WITH HANDRAIL WITHOUT HANDRAIL	216 LF 181 LF
⊗	GABION BARREL (SIGN POST BASE)	16 / HD-6	WITH SIGNAGE WITHOUT SIGNAGE	2 EA 1 EA
~~~~~	WALL MOUNTED HANDRAIL	SEE STRUCTURAL PLANS		243 LF
⊙	TRASH RECEPTACLE	11 / HD-4		3 EA
▬▬▬▬	PATH LIGHTING	12 / HD-4 SEE ELECTRICAL PLANS		20 EA
⊗	MEDICINE WHEEL EXPOSED AGREGATE W/ AMBIENT GLOW TECH. STONE	4 / HD-2 SEE ROADWAY PLANS FOR PATHWAY SECTION		88 SF
⊗	SALVAGED BOULDER	17 / HD-6 SEE DEMO PLANS FOR EX BOULDER LOCATIONS	SIZE VARIES, COORDINATE NEW LOCATION WITH OWNER	4 EA

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Symbol	Revisions	Date	Appr.

Designed by:	BP	Date:	02/20/23
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Checked by:	EC	Project Code:	CIVIL

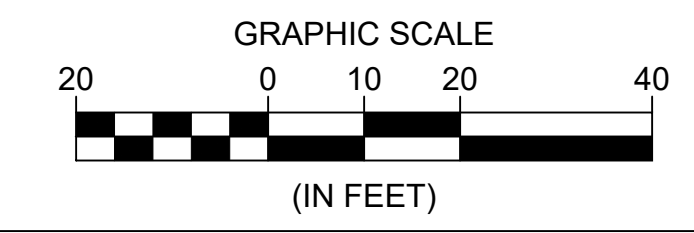


**CITY OF SEDONA**  
**PUBLIC WORKS DEPARTMENT**  
 102 ROADRUNNER DRIVE  
 SEDONA, ARIZONA 86336  
 928-204-7111

SR 179 PEDESTRIAN CROSSING  
 AT TLAQUEPAQUE  
 SEDONA, ARIZONA

**HARDSCAPE PLAN**

SHEET ID	
HS-1	
SHEET NO.	OF
27	45



MATCH LINE SEE SHEET HS-2

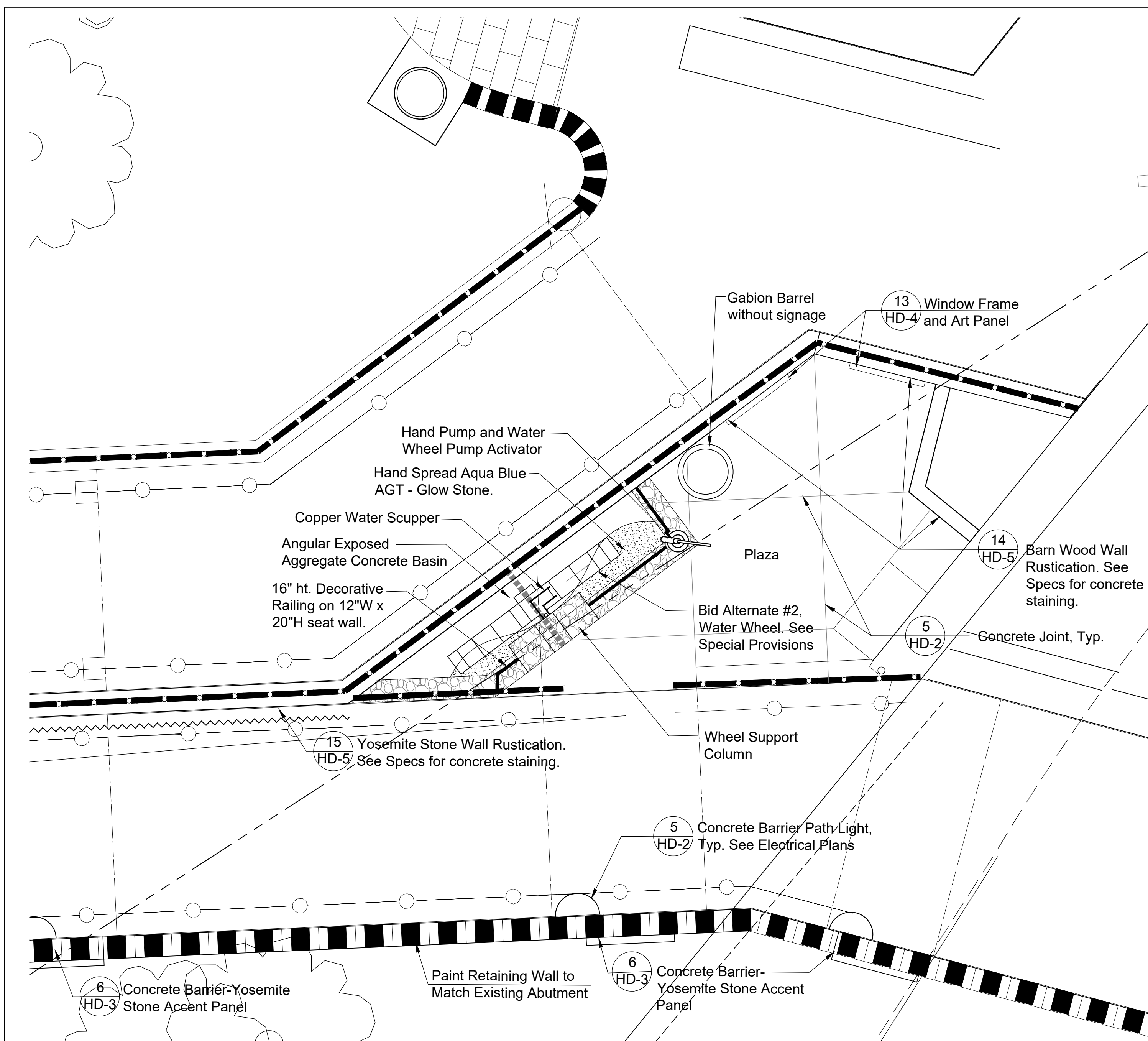




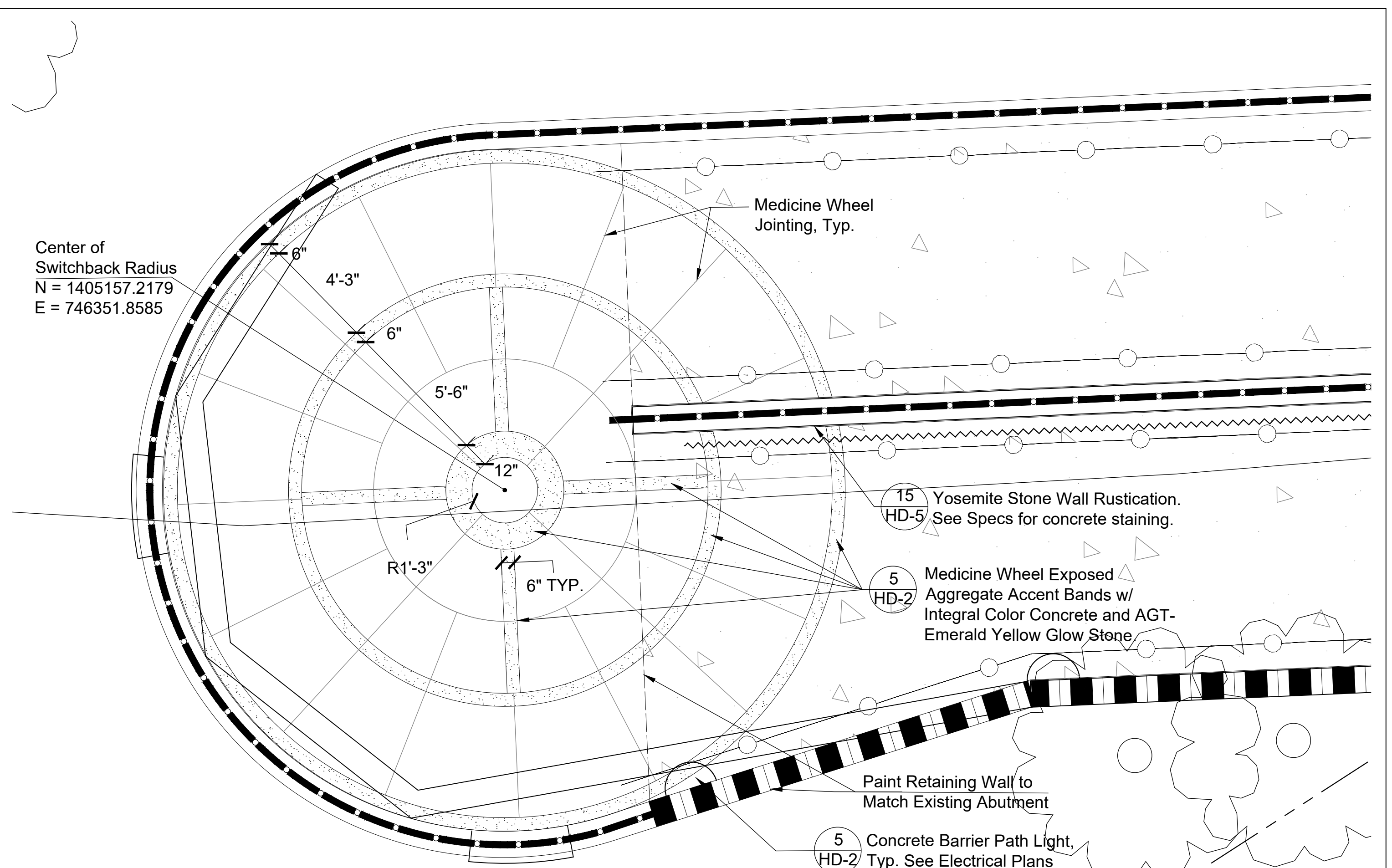




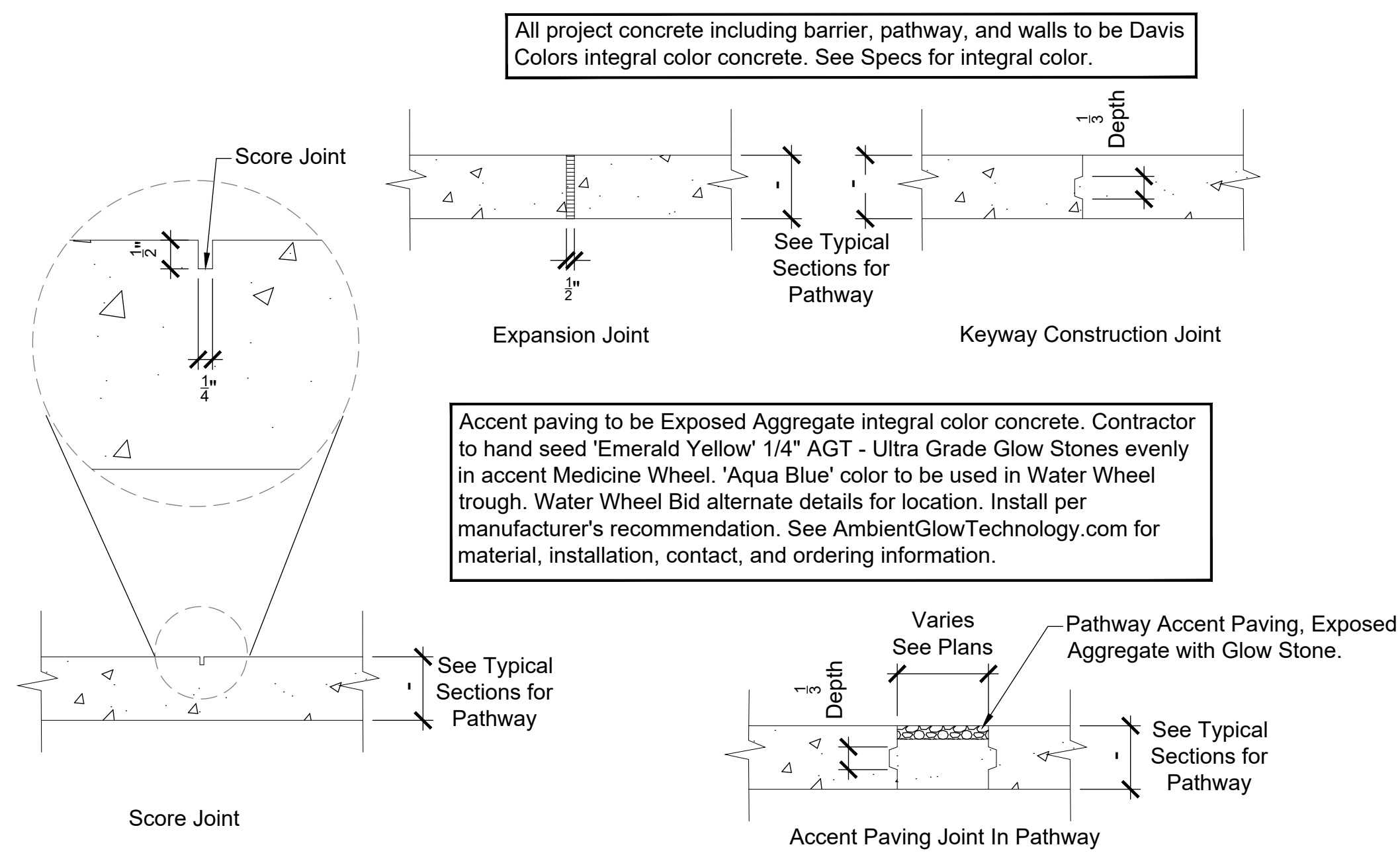




**3 PLAZA LAYOUT PLAN**  
0 1' 3' 5'



**4 MEDICINE WHEEL LAYOUT PLAN**  
0 1' 3' 5'

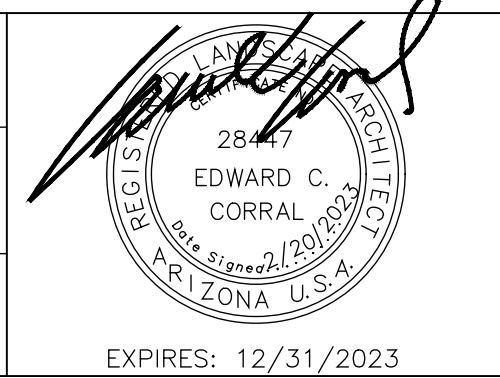


**5 CONCRETE JOINTING**  
NTS

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Symbol	Revisions	Date	Appr.

Designed by:	BP	Date:	02/20/23
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Checked by:	EC	Project Code:	CIVIL



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PUBLIC WORKS DEPARTMENT  
102 ROADRUNNER DRIVE  
SEDONA, ARIZONA 86336  
928-204-7111

SR 179 PEDESTRIAN CROSSING  
AT TLAQUEPAQUE  
SEDONA, ARIZONA

**HARDSCAPE DETAILS**

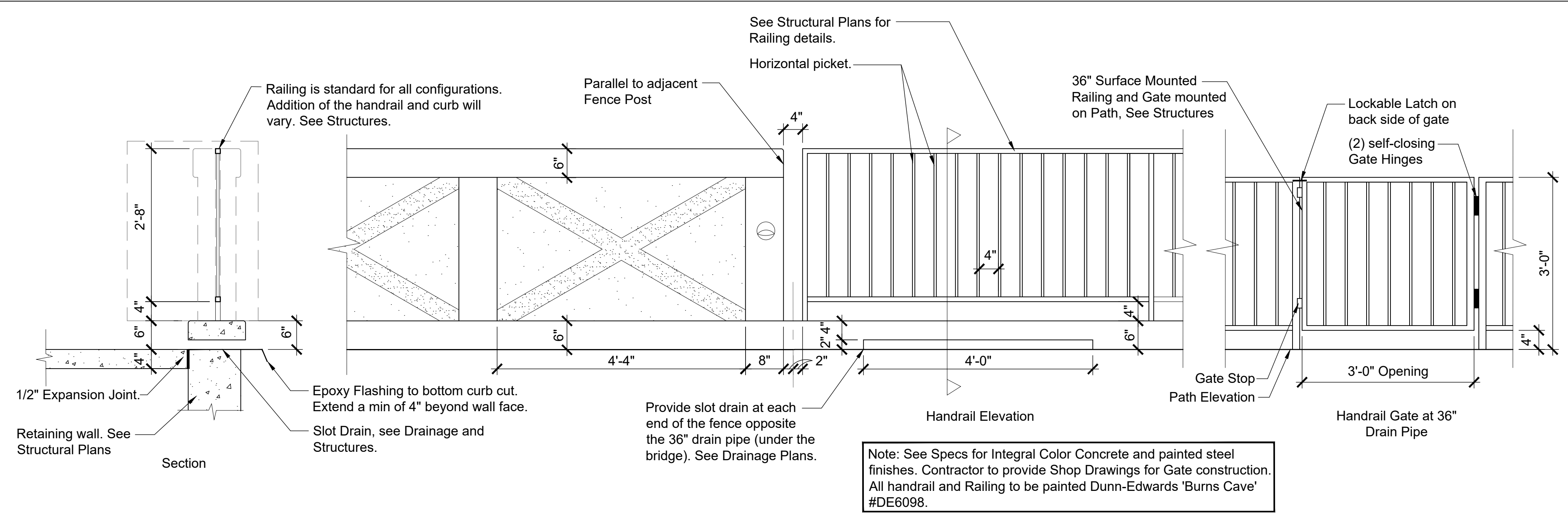


SHEET ID	
HD-2	
SHEET NO.	OF
30	45

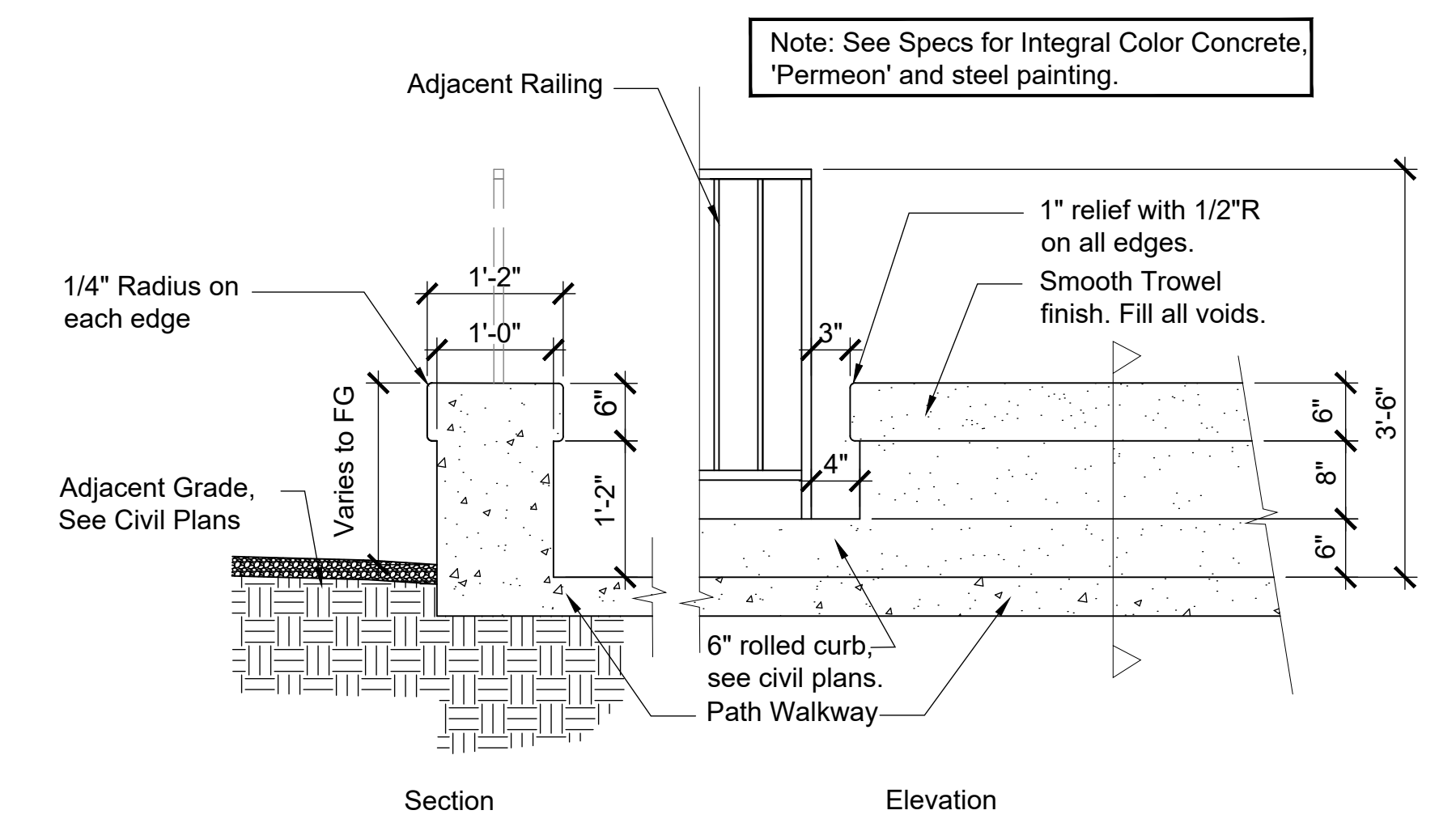




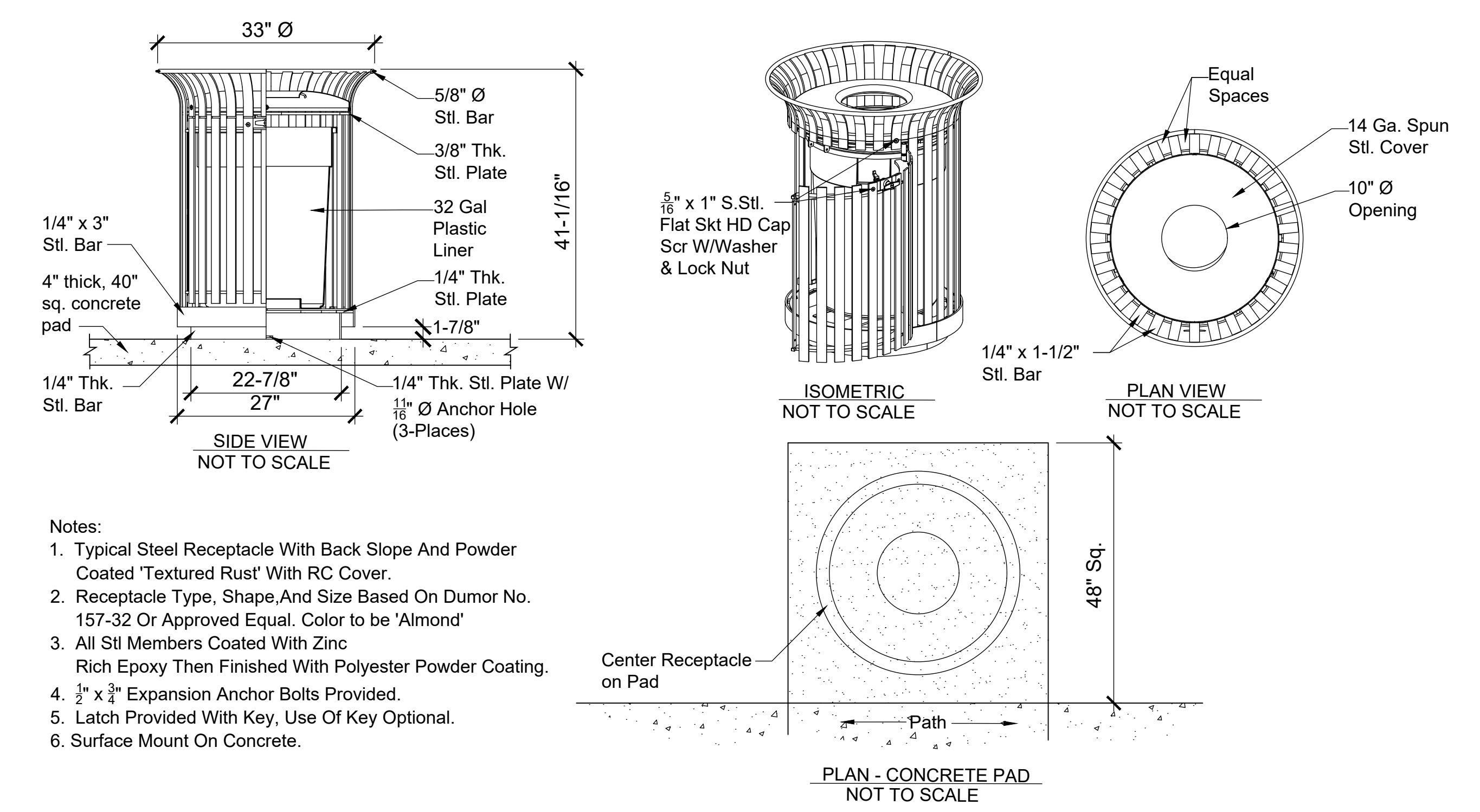




**9 HANDRAIL ACROSS FROM DRAIN PIPE AND GATE**  
NTS



**10 SEAT WALL**  
NTS



**11 TRASH RECEPTACLE**  
NTS

**12 BALUSTRADE LIGHT FIXTURE**  
NTS

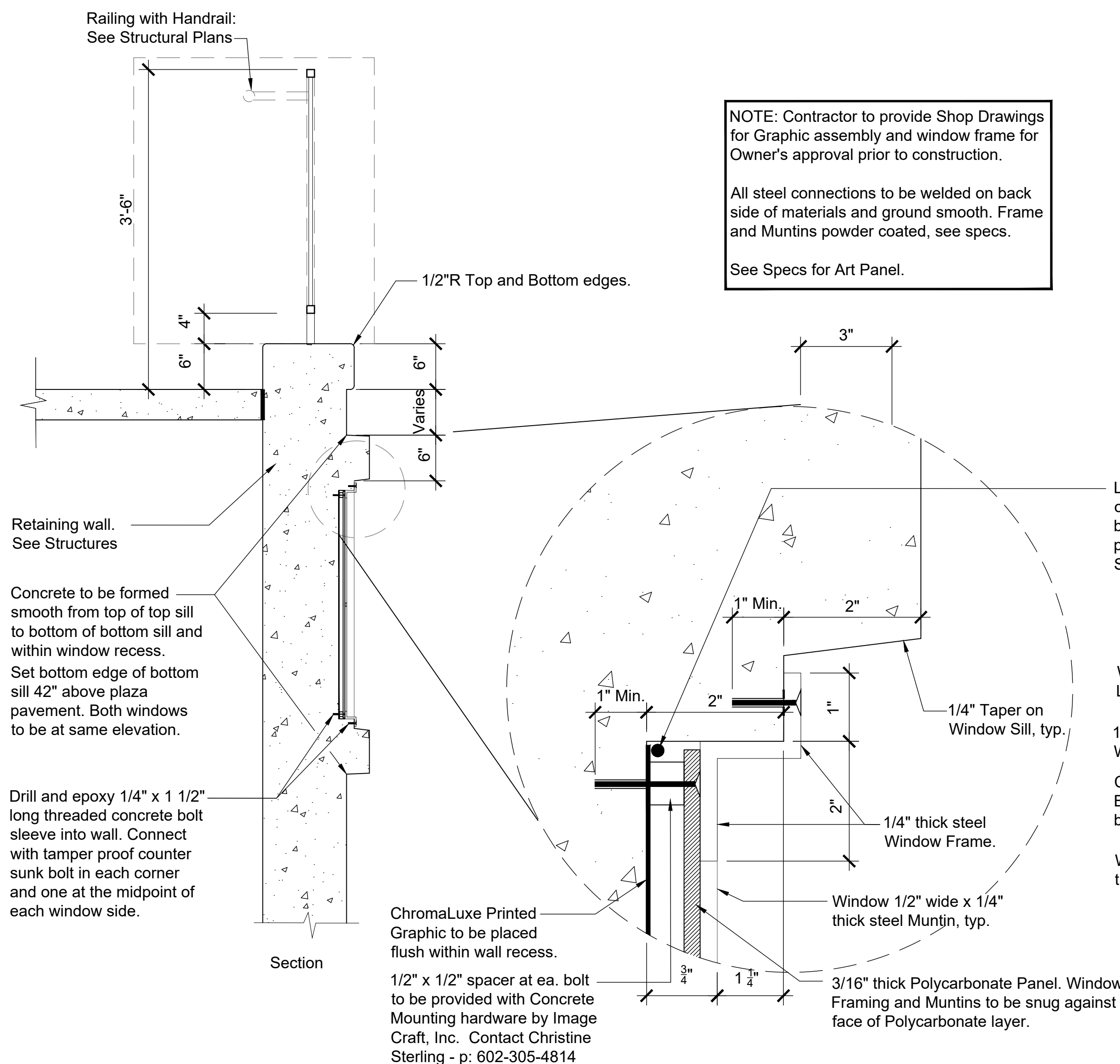


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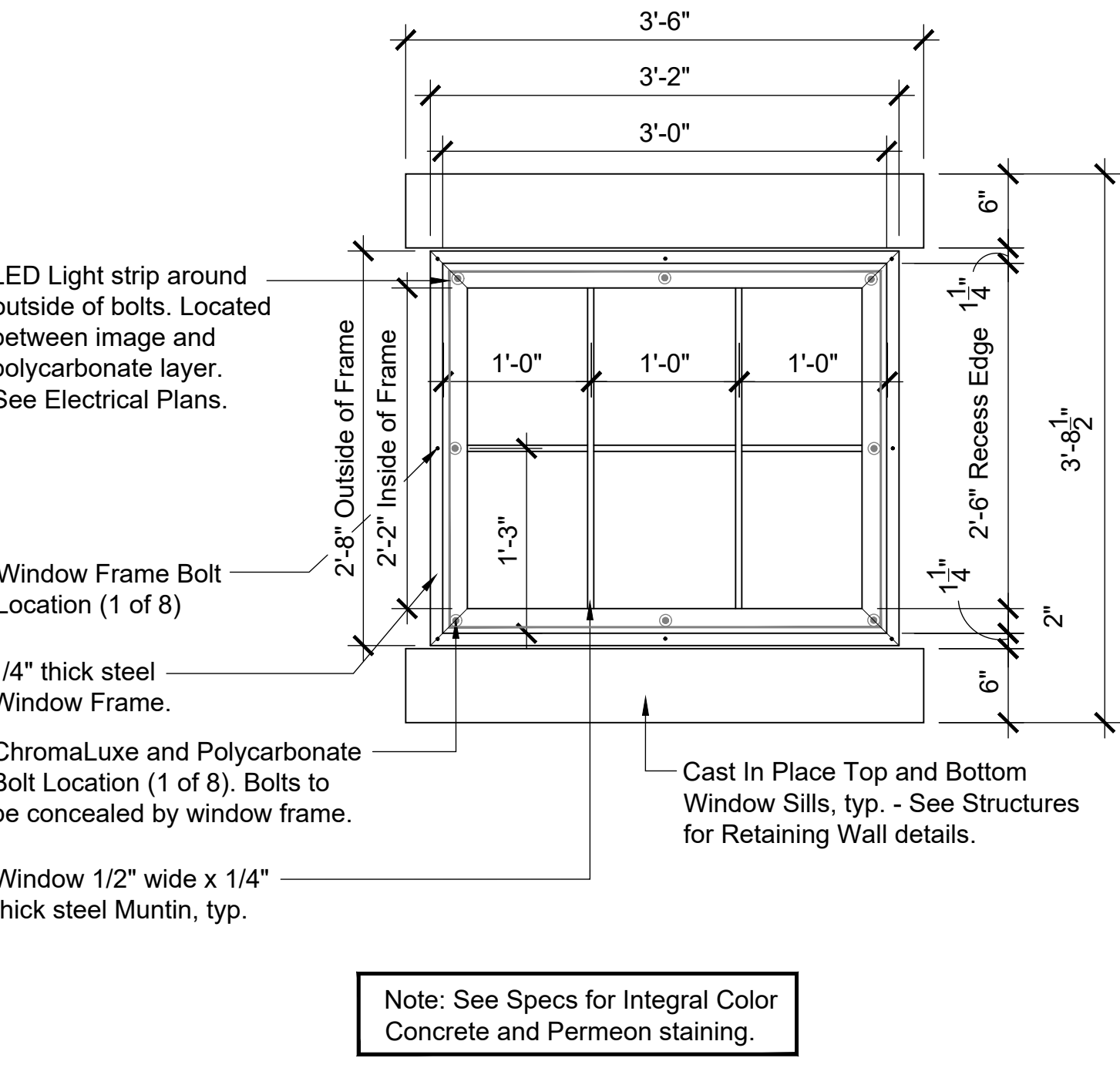
Symbol	Revisions	Date	Appr.	Designed by: BP	Date: 02/20/23				<b>CITY OF SEDONA</b> <b>PUBLIC WORKS DEPARTMENT</b> <b>102 ROADRUNNER DRIVE</b> <b>SEDONA, ARIZONA 86336</b> <b>928-204-7111</b>	SR 179 PEDESTRIAN CROSSING AT TLAQUEPAQUE SEDONA, ARIZONA	SHEET ID				
											HD-4				
				Checked by: EC	Project Code: CIVIL									SHEET NO.	OF
														32	45

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**13 WINDOW FRAME AND ART PANEL**  
NTS



Note: See Specs for Integral Color Concrete and Permeon staining.



Manufacturer: Scott System  
Pattern: #116 Barn Wood  
Material: Elastomeric Formliner or Approved Equal  
  
Davis Colors Integral Color Concrete to receive 'Natina' staining. See Specs.

**14 BARN WOOD RUSTICATION**  
NTS



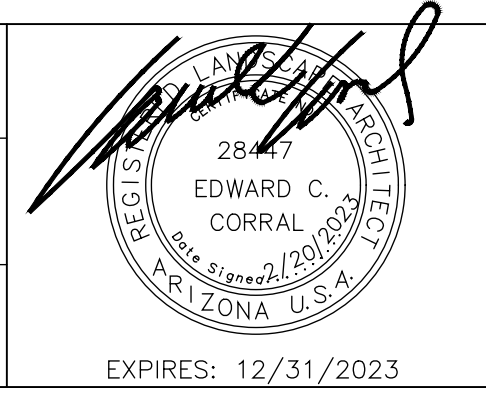
Manufacturer: Customrock  
Pattern: #2302 Yosemite Stone (1-1/2" Relief)  
Material: Elastomeric Formliner or Approved Equal  
  
Davis Colors Integral Color Concrete to receive 'Natina' staining. See Specs.

**15 RIVER ROCK RUSTICATION**  
NTS

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Symbol	Revisions	Date	Appr.

Designed by:	Date:
BP	02/20/23
Drawn by:	Scale:
BP	NOT TO SCALE
Checked by:	Project Code:
EC	CIVIL



**CITY OF SEDONA**  
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102 ROADRUNNER DRIVE  
SEDONA, ARIZONA 86336  
928-204-7111

SR 179 PEDESTRIAN CROSSING  
AT TLAQUEPAQUE  
SEDONA, ARIZONA

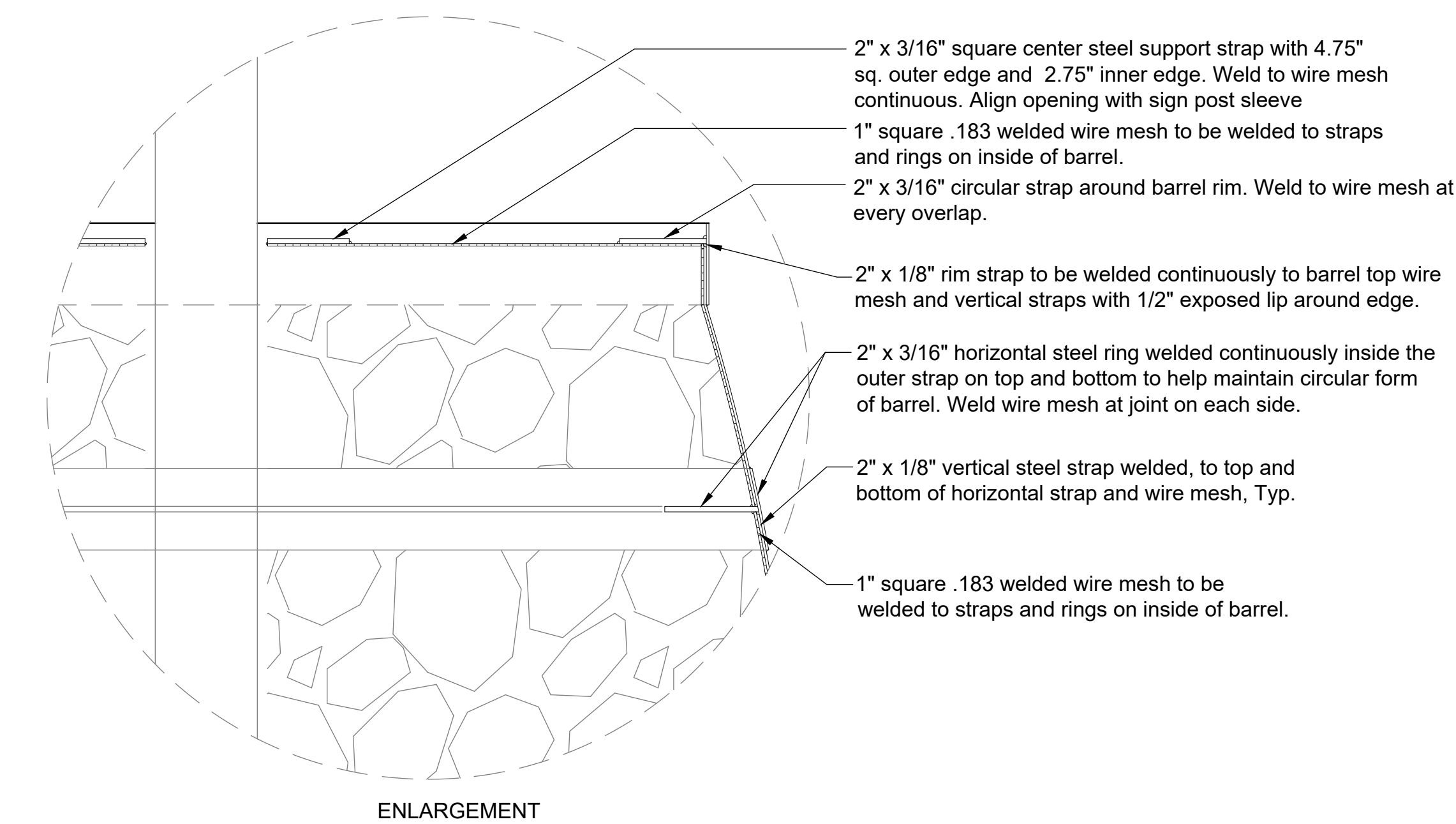
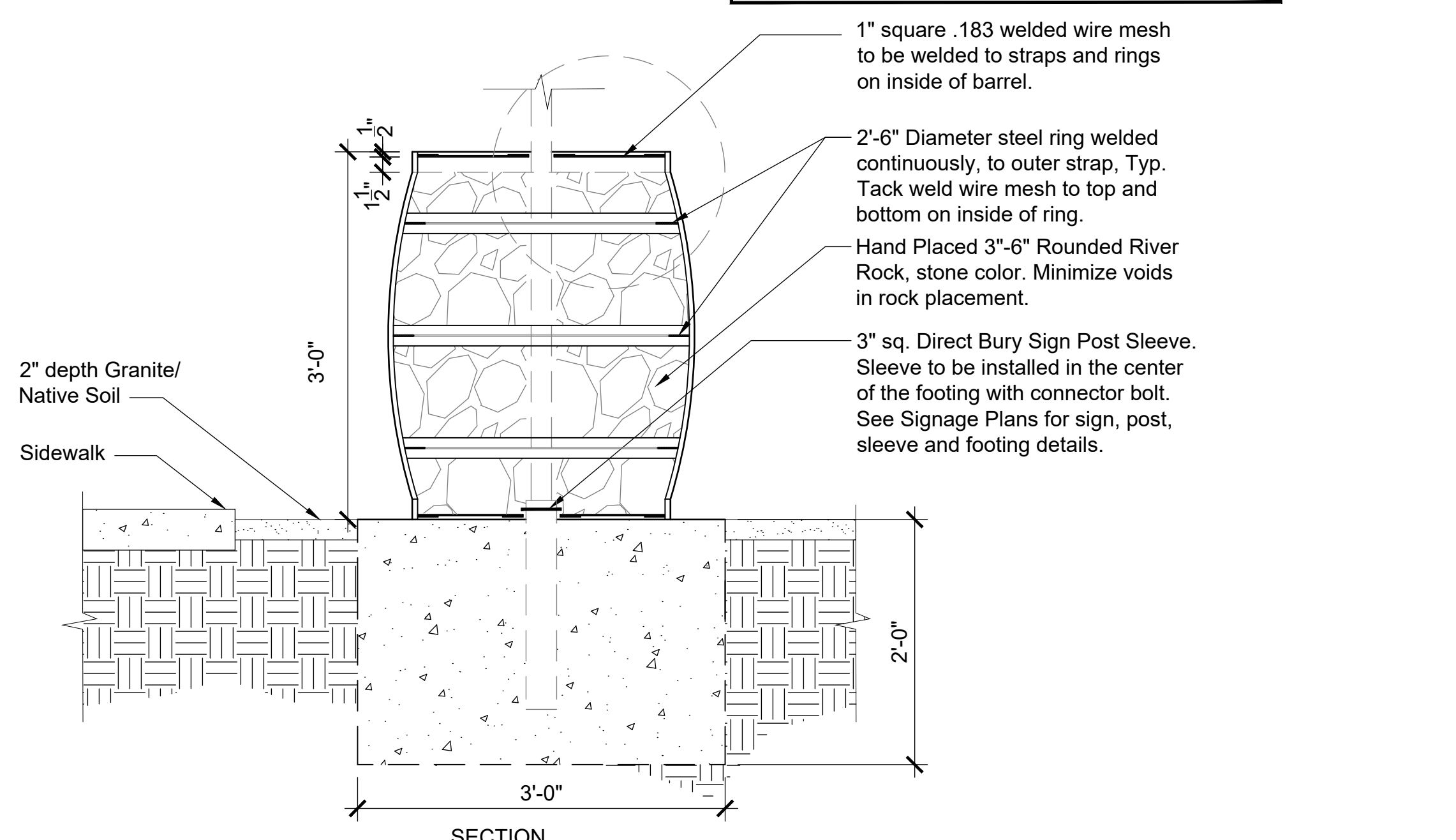
**HARDSCAPE DETAILS**



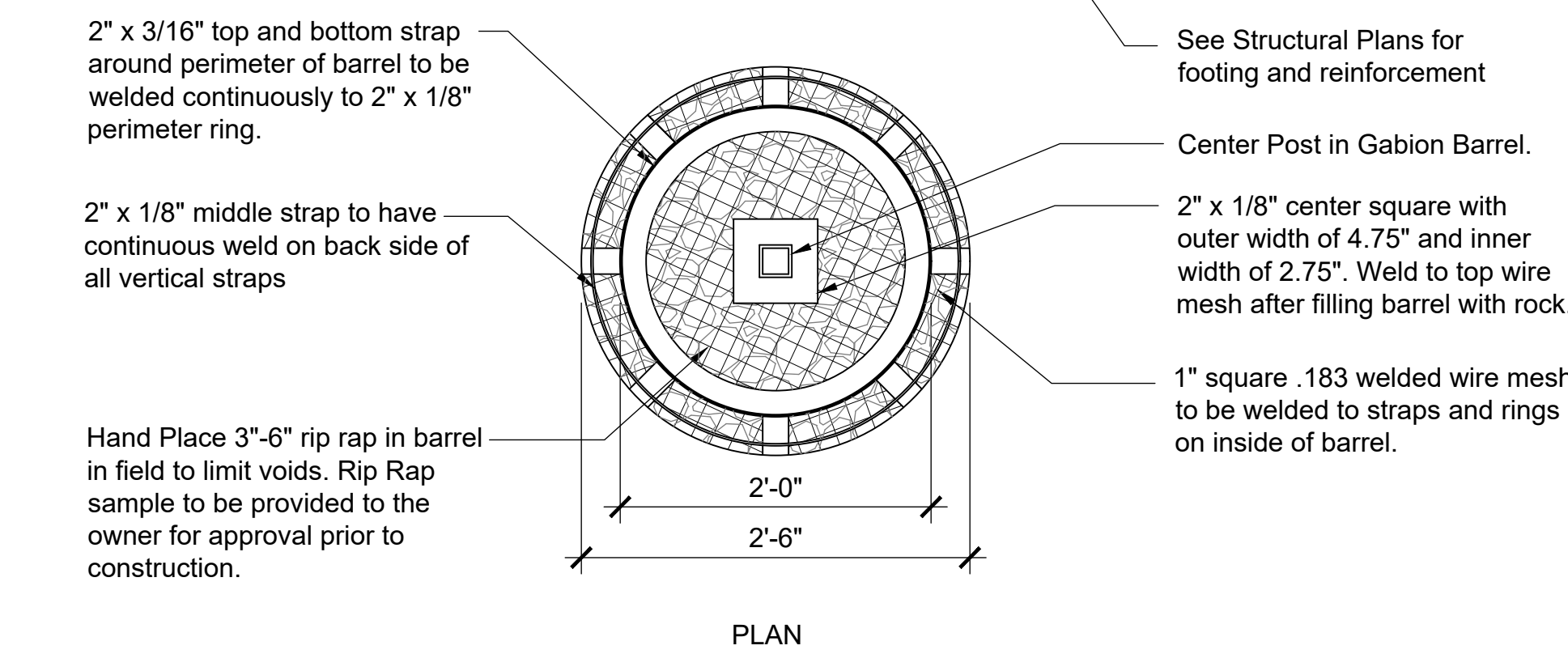
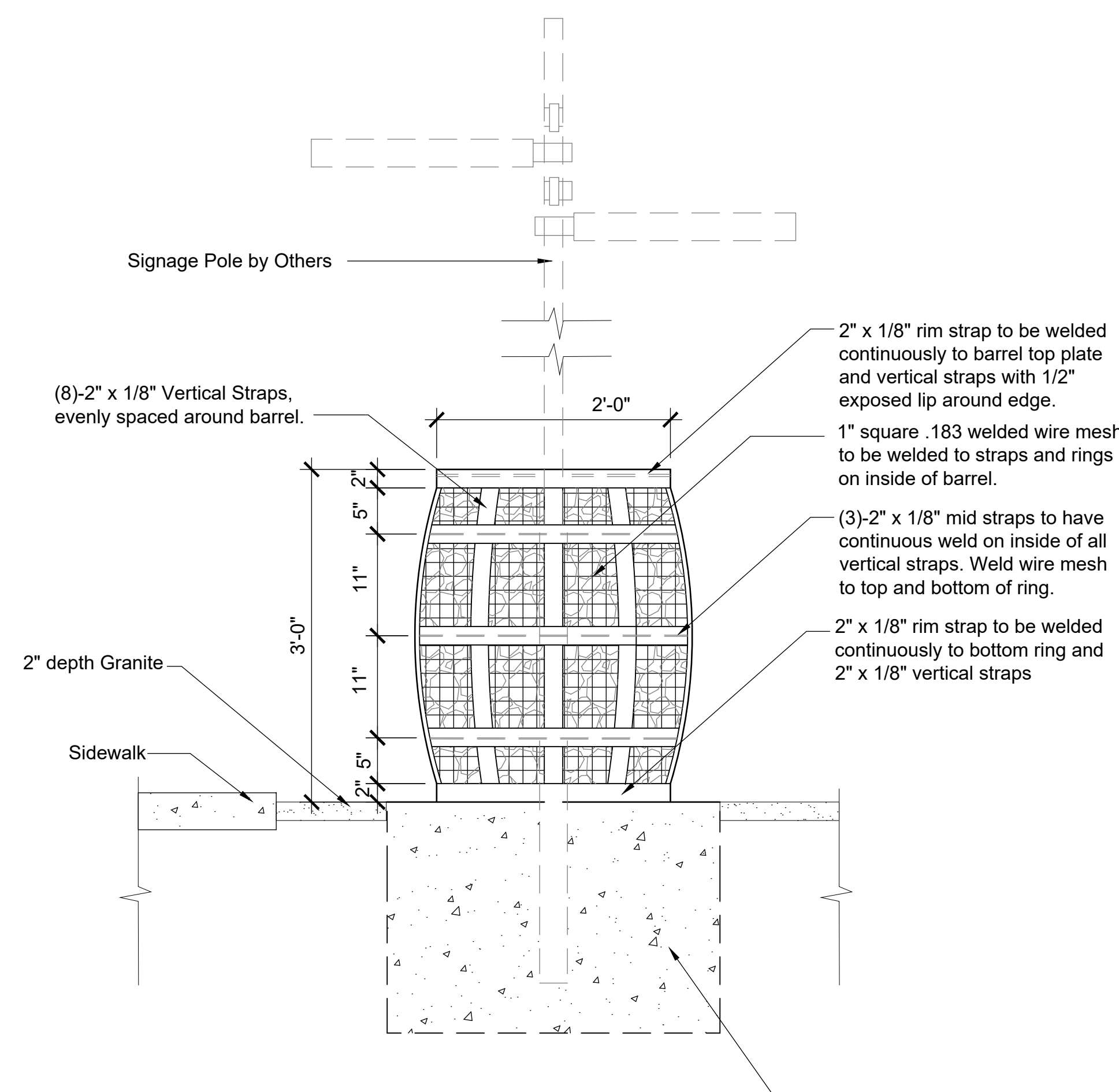
SHEET ID	
HD-5	
SHEET NO.	OF
33	45



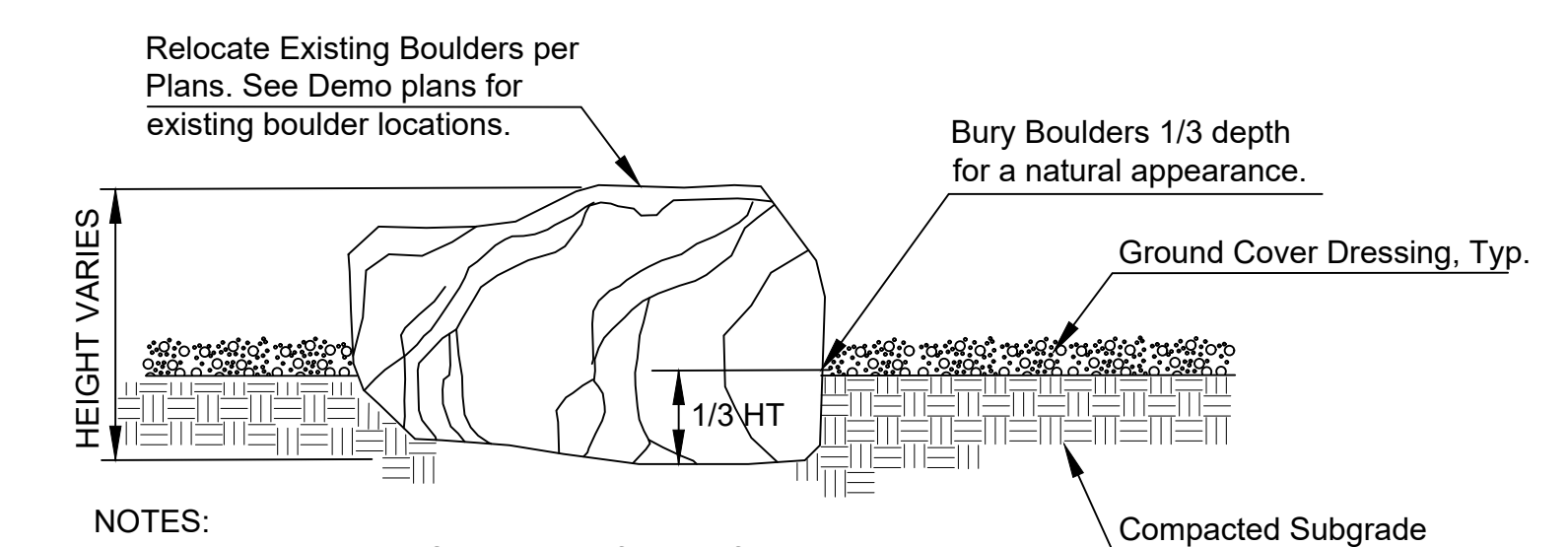
Note:  
 1. All gabion barrel metal to be painted, see specs.  
 2. Contractor to provide shop drawings for Gabion Barrel for approval prior to construction.



16 GABION BARREL SIGNAGE  
 NTS



17 SALVAGED BOULDER PLACEMENT  
 NTS



NOTES:  
 1. Boulders size varies. Contractor to field verify Existing Boulders for size.  
 2. Set boulders with existing side up and about 20" high to allow for informal seating.  
 3. Contractor to minimize digging near or around existing Sycamore trees and roots to prevent any damage to the root system.

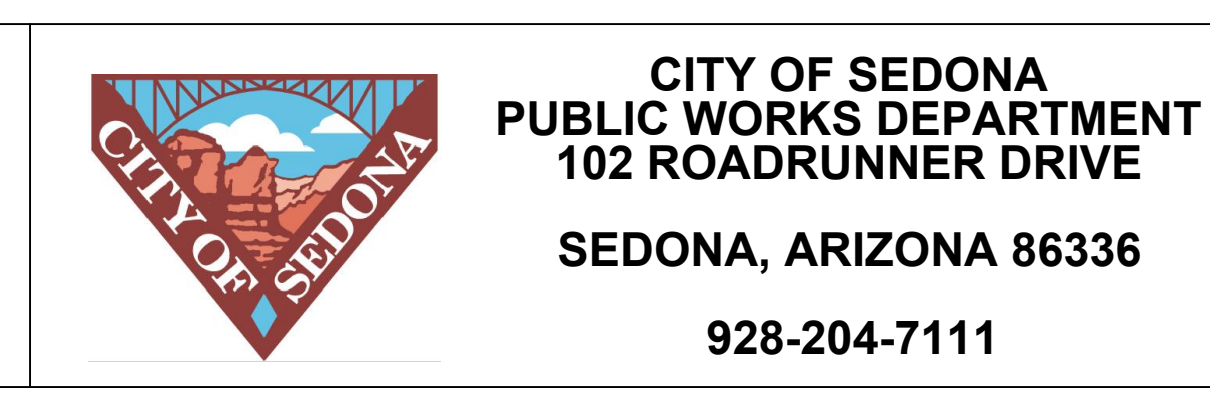
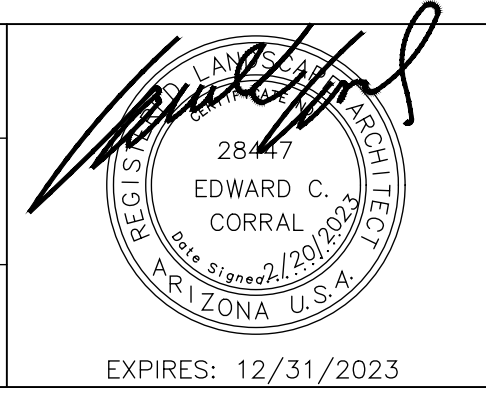
17 SALVAGED BOULDER PLACEMENT  
 NTS



K:\CDG Projects\2019-263\CADD\100 - PDS Revisions\Hardscape\Details_HSDt01.dwg

Symbol	Revisions	Date	Appr.

Designed by:	BP	Date:	02/20/23
Drawn by:	BP	Scale:	NOT TO SCALE
Checked by:	EC	Project Code:	CIVIL



SR 179 PEDESTRIAN CROSSING AT TLAQUEPAQUE SEDONA, ARIZONA  
 HARDSCAPE DETAILS

SHEET ID	
HD-6	
SHEET NO.	OF
34	45



# GENERAL SIGNING NOTES:

- ALL SIGNS SHALL BE IN COMPLIANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE ADOT SIGNING AND MARKING STANDARD DRAWINGS, THE ADOT TRAFFIC ENGINEERING MANUAL OF APPROVED SIGNS, THESE PLANS, AND THE SPECIAL PROVISIONS.
- SIGNING MAY BE MODIFIED AS DIRECTED BY THE ENGINEER. THE ENGINEER MAY SHIFT THE LOCATION OF A SIGN TO A MORE FAVORABLE LOCATION.
- NORMAL OFFSET FOR ALL SIGNS SHALL BE 12 FEET FROM THE NEAR EDGE OF THE SIGN TO THE EDGE OF THE PAVEMENT OR SIDEWALK UNLESS OTHERWISE NOTED ON THE SIGNING SUMMARY SHEET, ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
- ALL SIGN LOCATIONS AND POST LENGTHS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ACTUAL SIGN LOCATIONS WITH THE ENGINEER PRIOR TO CONSTRUCTING THE FOUNDATIONS FOR THE SIGN SUPPORTS. THE CONTRACTOR SHALL VERIFY ACTUAL POST LENGTHS AFTER FINAL GRADING.
- NORMAL MOUNTING HEIGHT FOR THE BOTTOM OF THE LOWEST SIGN ON THE POST SHALL BE SEVEN FEET ABOVE THE NEAREST ROADWAY EDGE. FOR PATHWAY SIGNS, THE BOTTOM OF THE SIGN SHALL BE AT LEAST 4 FEET ABOVE THE GROUND UNDER THE SIGN.
- THE CONTRACTOR SHALL REMOVE EXISTING SIGNING WHERE INDICATED IN THE SIGN SUMMARY. FOUNDATIONS OF EXISTING SIGNS THAT ARE TO BE REMOVED OR RELOCATED SHALL BE REMOVED A MINIMUM OF 2 FEET BELOW FINISHED GRADE.
- THE CONTRACTOR SHALL INVENTORY ALL SIGNS TO REMAIN OR BE RELOCATED, AND NOTE DAMAGED SIGNS TO THE ENGINEER BEFORE CONSTRUCTION BEGINS. ALL SIGNS SUBSEQUENTLY DAMAGED SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE DEPARTMENT.
- ALL NEW SIGNS SHALL BE INSTALLED ON NEW SQUARE TUBE POSTS WITH FOUNDATIONS AS INDICATED IN ADOT STD DWGS S-1 AND S-3.
- ALL METAL HARDWARE SHALL BE STAINLESS STEEL, GALVANIZED CADMIUM PLATED OR ALUMINUM TO PREVENT RUST.
- ALL SIGNS SHALL BE FABRICATED OF FLAT SHEET ALUMINUM PANELS WITH COPY MEETING THE REQUIREMENTS OF THE SPECIFICATIONS. ALL SIGNS SHALL MEET THE CRITERIA ESTABLISHED FOR SHEETING IN THE SPECIFICATIONS.
- ALL SIGNS IN CONFLICT WITH THE PROJECT CONSTRUCTION SHALL BE REMOVED. ALL SIGN PANELS AND OTHER MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- QUANTITIES ARE APPROXIMATE AND FOR THE CONTRACTOR'S INFORMATION ONLY.
- ALL DIMENSIONS ARE IN FEET, UNLESS OTHERWISE NOTED.

# SIGNING LEGEND:

- NEW SIGN (ON POST)
- ◁ EXISTING SIGN (ON POST)
- NEW SIGN PANEL
- ◻ EXISTING SIGN PANEL TO REMAIN
- ▨ EXISTING SIGN PANEL TO BE REMOVED

APPROXIMATE SIGNING QUANTITIES			
ITEM DESCRIPTION		UNIT	QUANTITY
REGULATORY, WARNING, MARKER SIGN PANEL	TYPE 9, 11	SQ FT	8
PERFORATED SIGN POST	2 S	LF	32
	2 1/2 S	LF	20
PERFORATED SIGN POST FOUNDATION	CONCRETE	EACH	5
FLAT SHEET ALUMINUM SIGN PANEL		SQ FT	42.7

▲ BID ALTERNATIVE #1. SEE SPECIAL PROVISIONS.

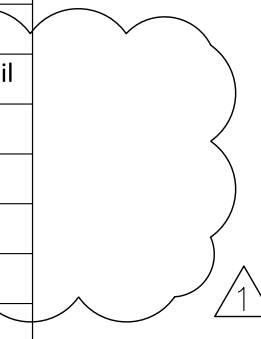
Symbol	Revisions	Date	Appr.	Designed by: HAO	Date: 02/15/2023			WSP USA Inc. 1230 W. Washington St. Suite 405 Tempe, AZ 85281		CITY OF SEDONA PUBLIC WORKS DEPARTMENT 102 ROADRUNNER DRIVE SEDONA, ARIZONA 86336 928-204-7111	SR 179 PEDESTRIAN CROSSING AT TLAQUEPAQUE SEDONA ARIZONA		SHEET ID T1	
				Drawn by: CPG	Scale: 1:20						SIGNING GENERAL NOTES		SHEET NO.	OF
				Checked by: SD	Project Code: TRAFFIC						35	45		







DWG No.	Sign Number	MOAS Sign Code	Work					Offset (ft)	Mounting Height (ft)	Background Color	Panel				Ground Mounted				Overhead		Remarks			
			New	Replace Panel	Existing						Legend	Width (in.)	Height (in.)	Area (sq. ft.)	Bid Item Number	Foundations	Posts		New Slippase	Stringer		Structure Type	Number of Lights	
					Relocate Panel	Modify Legend	Remove										To Remain	Type		Total Length (ft)				Type
T5	NB-07	D1-1e									SR 179 North													
T5	NB-08	D1-1									Ranger Rd													
T5	C-01		X							WH	Use SR179 Underpass	36	24	6.0							Hang On Chain Between Bollards			
T5	C-02		X							WH	Use SR179 Underpass	36	24	6.0							Hang On Chain Between Bollards			
T5	C-03										No Left Turn													
T5	C-04		X						7	GR	SR179 Underpass	30	12	2.5	1	2S	10							
T5	C-05		X							WH	Path Closed	30	18	3.8							On Barricades During Flooding			
T5	C-06		X							WH	Path Closed	30	18	3.8							On Barricades During Flooding			
T5	C-07		X							RD	Danger	23	10	1.6							Mount On Decorative Handrail			
T5	C-08		X							RD	Danger	23	10	1.6							Mount On Seat Wall Trough			
T5	C-09		X							RD	Caution	18	11	1.4							Mount On Seat Wall Trough			
T5	C-10		X							WH	No Motor Vehicles	24	24	4.0	1	2S	11							
T5	C-11		X							WH	No Motor Vehicles	24	24	4.0	1	2S	11							



- NOTES:
- THE ENGINEER SHALL VERIFY POST LENGTHS AND ELEVATIONS.
  - THE ENGINEER MAY SHIFT A SIGN IN ORDER TO ACHIEVE A MORE DESIREABLE LOCATION.
  - QUANTITIES ARE APPROXIMATE AND FOR THE CONTRACTOR'S INFORMATION ONLY.
  - INCREASE FOUNDATION DIAMETER TO 36" TO SUPPORT GABION BARREL. SEE HARDSCAPE PLANS FOR PAINT COLOR AND BARREL DETAILS.

PANEL TYPES:  
 RWM: REGULATORY, WARNING OR MARKER  
 F-DA: FLAT-SHEET ALUMINUM WITH DIRECT APPLIED OR SILK-SCREENED CHARACTERS  
 F-DEM: FLAT-SHEET ALUMINUM WITH DEMOUNTABLE CHARACTERS  
 EXT: ALUMINUM EXTRUSIONS

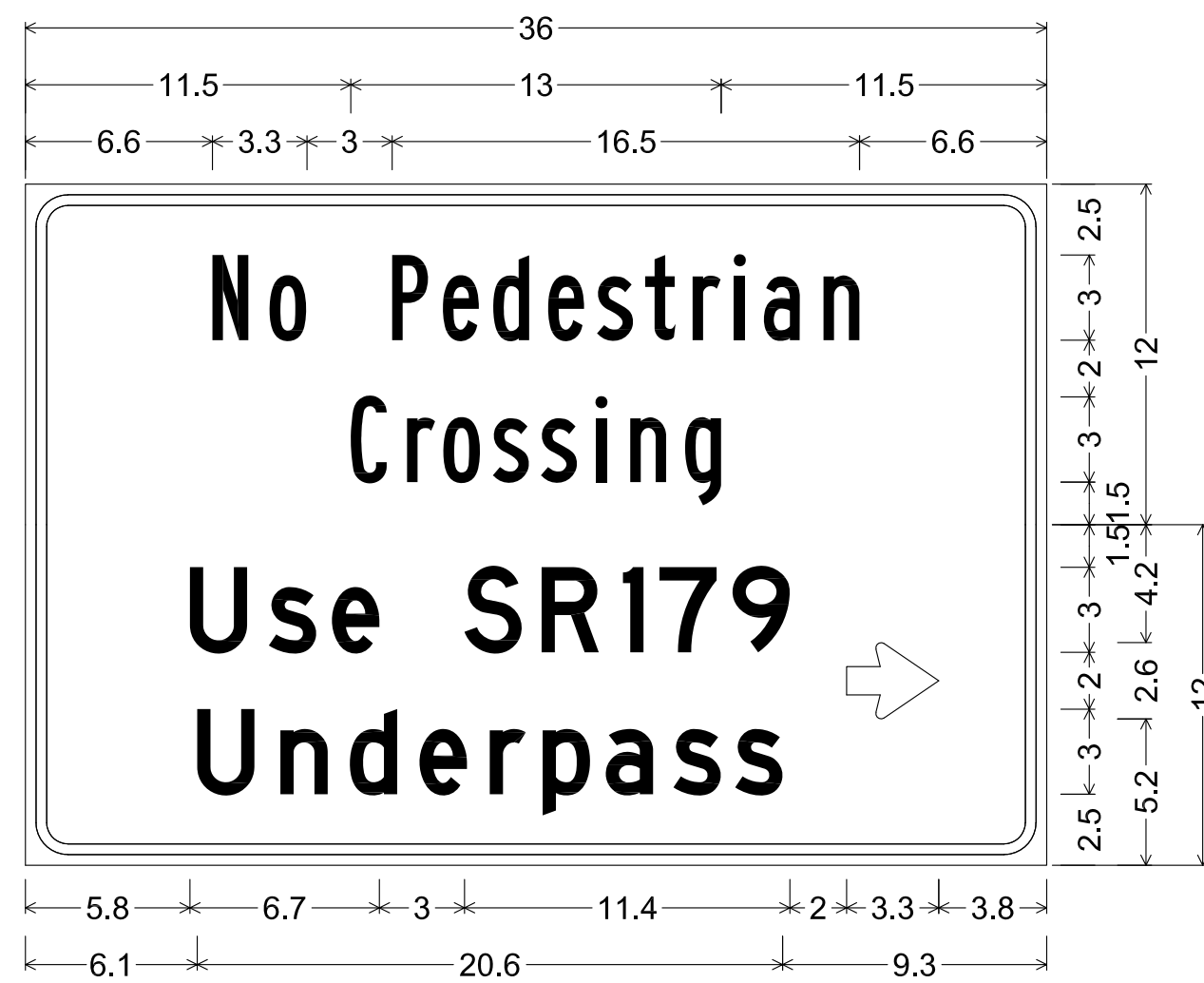
BACKGROUND COLORS:  
 RD = RED  
 BK = BLACK  
 BL = BLUE  
 GR = GREEN  
 YL = FLUORESCENT YELLOW  
 WH = WHITE

POST TYPES:  
 2S-2" SINGLE  
 2T-2" TELESCOPING  
 2 1/2S-2 1/2" SINGLE  
 2 1/2T-2 1/2" TELESCOPING

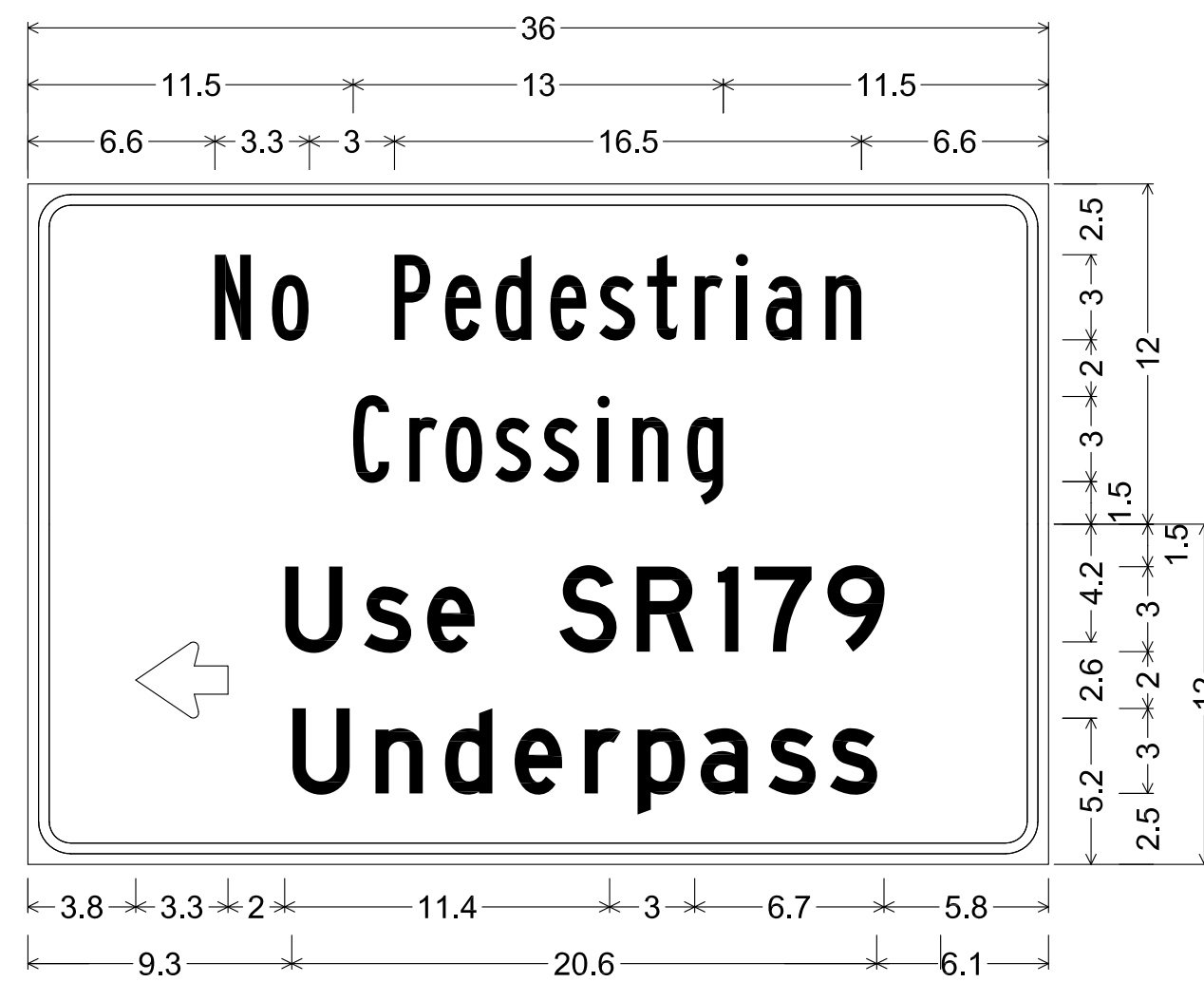
⚠ BID ALTERNATIVE #1. SEE SPECIAL PROVISIONS.

Symbol	Revisions	Date	Appr.	Designed by: HAO	Date: 02/15/2023			WSP USA Inc. 1230 W. Washington St. Suite 405 Tempe, AZ 85281		<b>CITY OF SEDONA          PUBLIC WORKS DEPARTMENT          102 ROADRUNNER DRIVE          SEDONA, ARIZONA 86336          928-204-7111</b>	SR 179 PEDESTRIAN CROSSING AT TLAQUEPAQUE SEDONA ARIZONA		SHEET ID <b>T3</b>	
				Drawn by: CPG	Scale: 1:20						SIGN SUMMARY SHEET		SHEET NO. 37	OF 45
				Checked by: SD	Project Code: TRAFFIC									

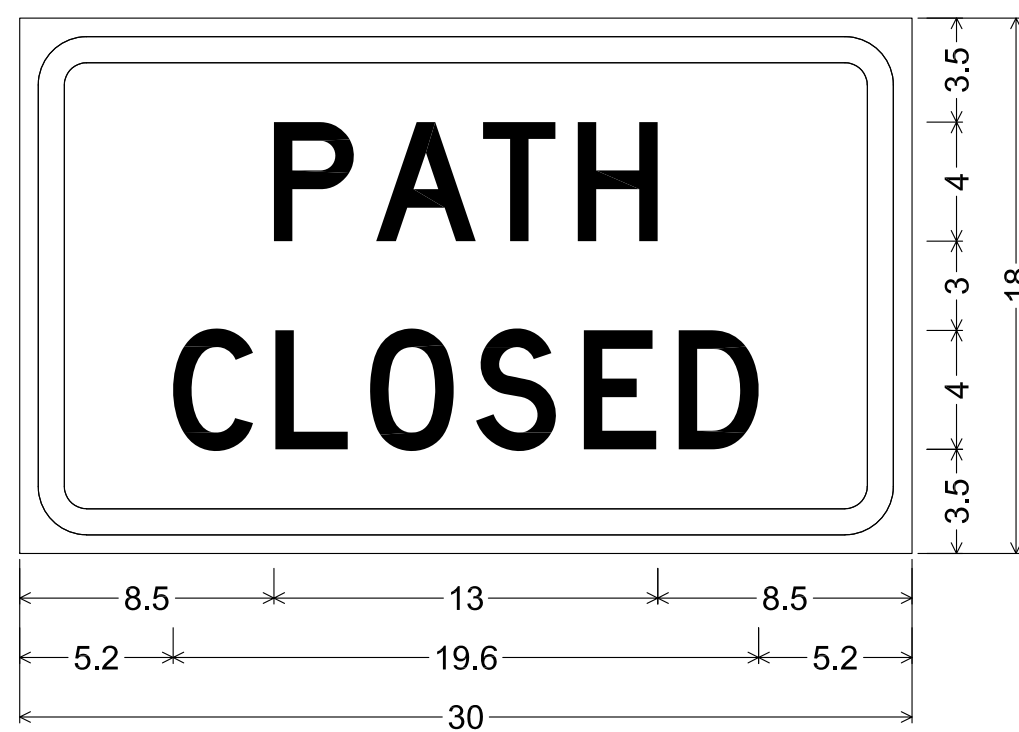
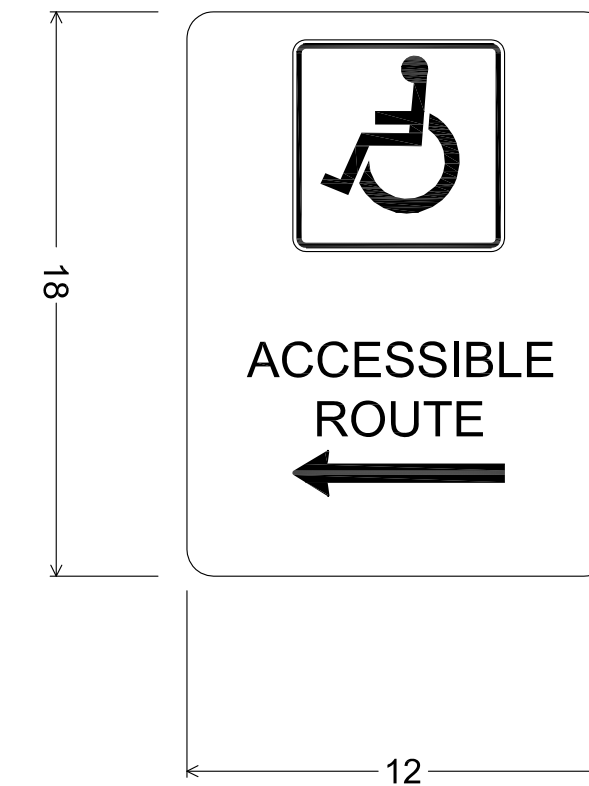
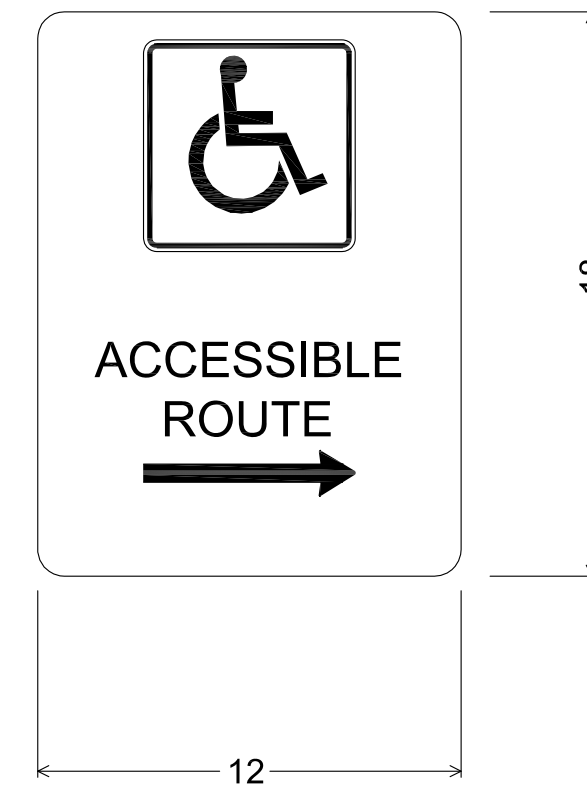




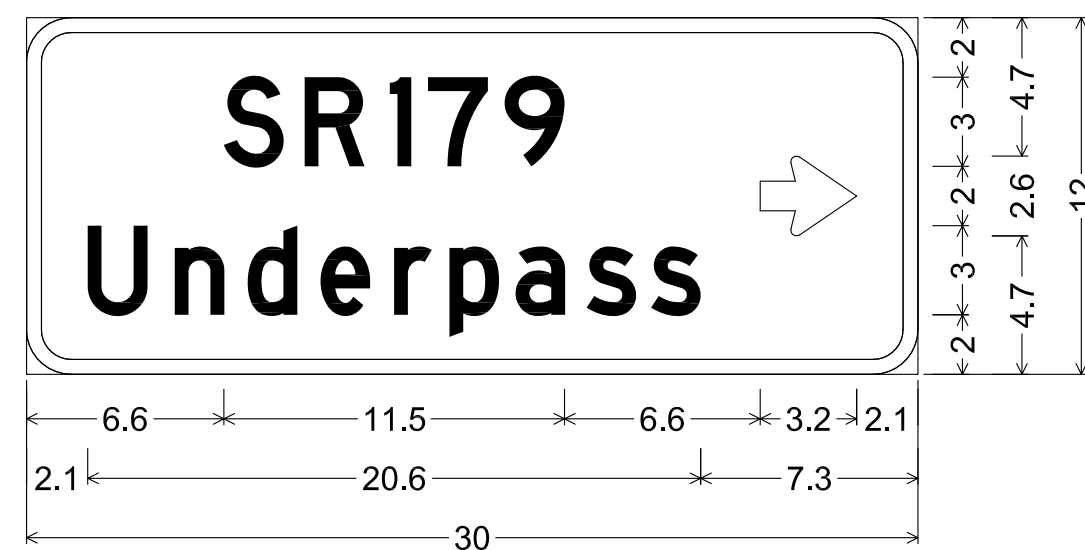
1.5" Radius, 0.4" Border, 0.4" Indent, Black on, White;  
 "No Pedestrian", B; "Crossing", B;  
 1.5" Radius, 0.4" Border, 0.4" Indent, Black on, White;  
 "Use SR179", D; "Underpass", D; Arrow 2" Type D1 - 0;



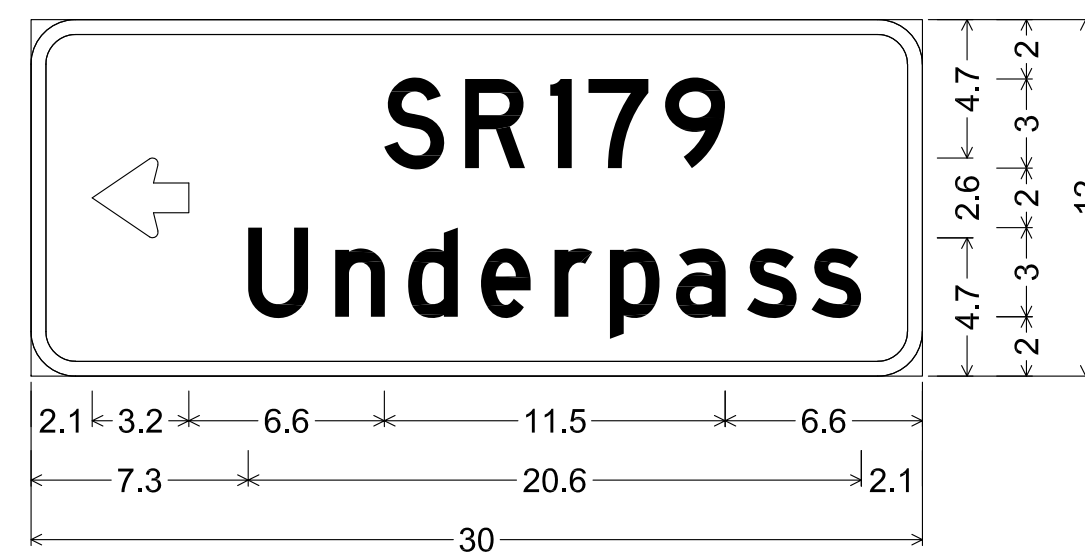
1.5" Radius, 0.4" Border, 0.4" Indent, Black on, White;  
 "No Pedestrian", B; "Crossing", B;  
 1.5" Radius, 0.4" Border, 0.4" Indent, Black on, White;  
 Arrow 2" Type D1 - 180; "Use SR179", D; "Underpass", D;



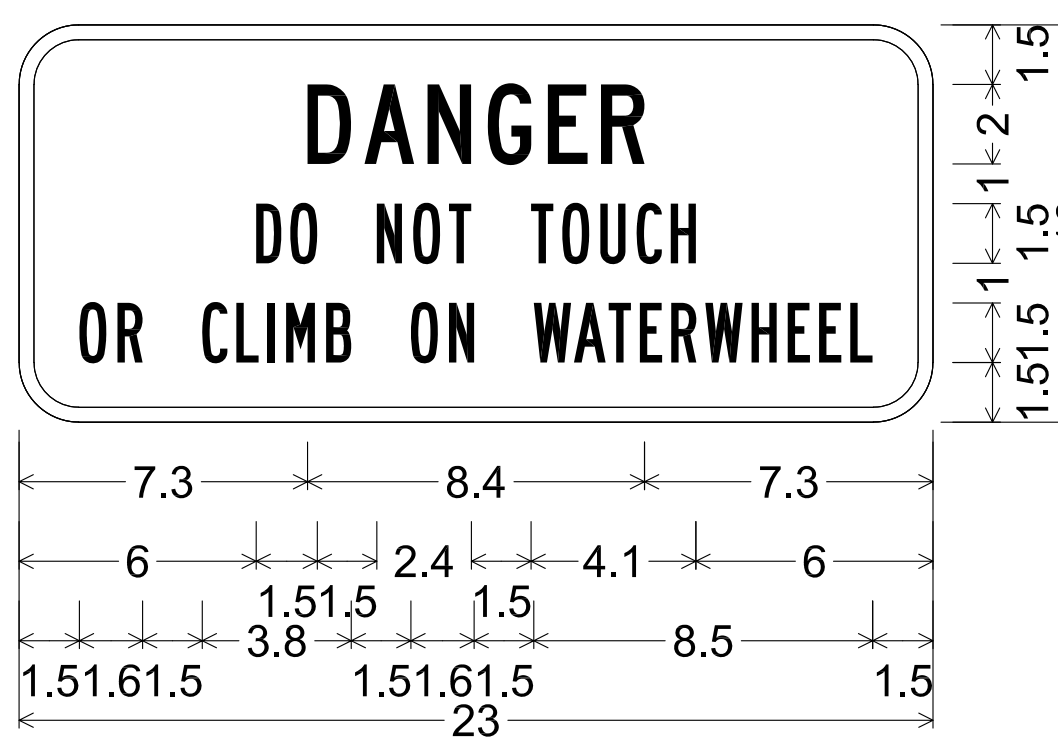
2.3" Radius, 0.9" Border, 0.6" Indent, Black on, White;  
 "PATH", D; "CLOSED", D;



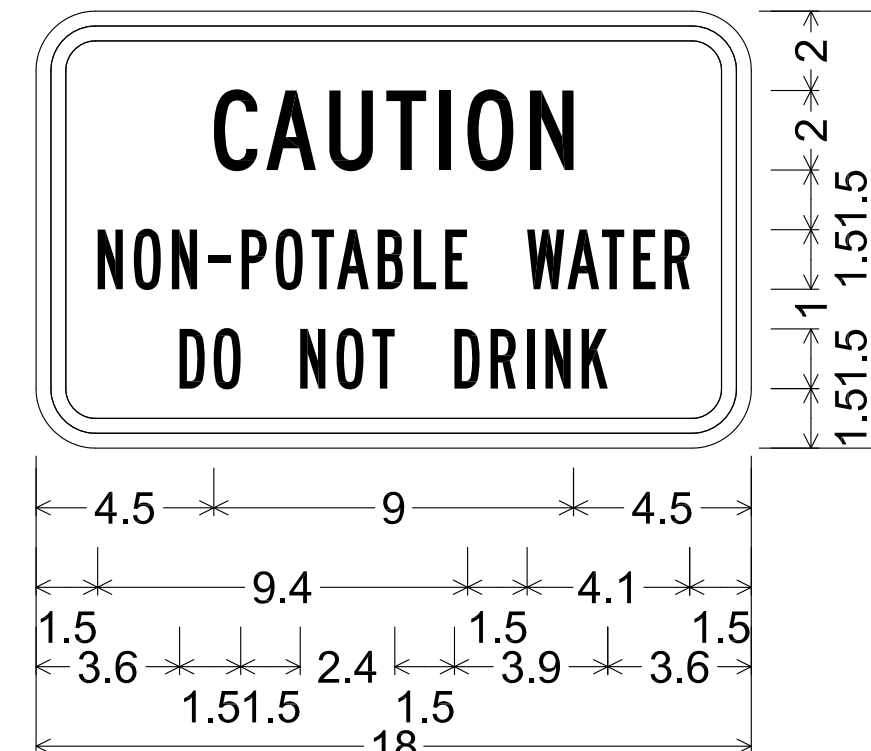
1.5" Radius, 0.5" Border, White on, Green;  
 "SR179", D; "Underpass", D; Arrow 2" Type D1 - 0;



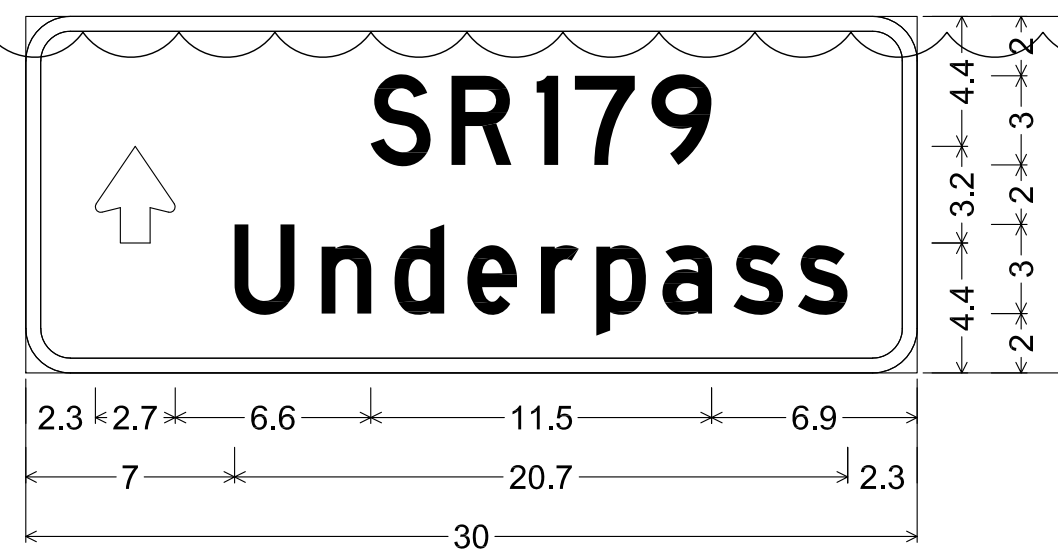
1.5" Radius, 0.5" Border, White on, Green;  
 Arrow 2" Type D1 - 180; "SR179", D;  
 "Underpass", D;



1.5" Radius, 0.4" Border, White on, Red;  
 "DANGER", C; "DO NOT TOUCH", B;  
 "OR CLIMB ON WATERWHEEL", B;



1.5" Radius, 0.4" Border, 0.4" Indent, Black on, White;  
 "CAUTION", C;  
 "NON-POTABLE WATER", B;  
 "DO NOT DRINK", B;

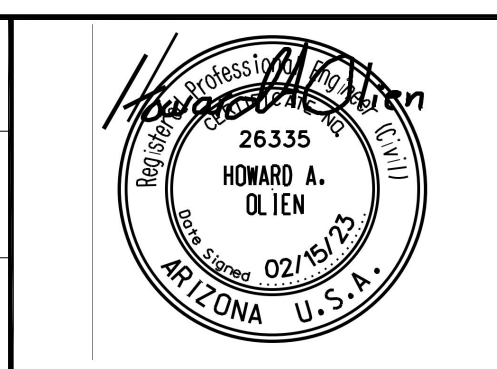


1.5" Radius, 0.5" Border, White on, Green;  
 Arrow 2" Type D1 - 90; "SR179", D;  
 "Underpass", D;

▲ BID ALTERNATIVE #1. SEE SPECIAL PROVISIONS.

Symbol	Revisions	Date	Appr.

Designed by:	HAO	Date:	02/15/2023
Drawn by:	CPG	Scale:	1:20
Checked by:	SD	Project Code:	TRAFFIC



WSP USA Inc.  
 1230 W. Washington St.  
 Suite 405  
 Tempe, AZ 85281

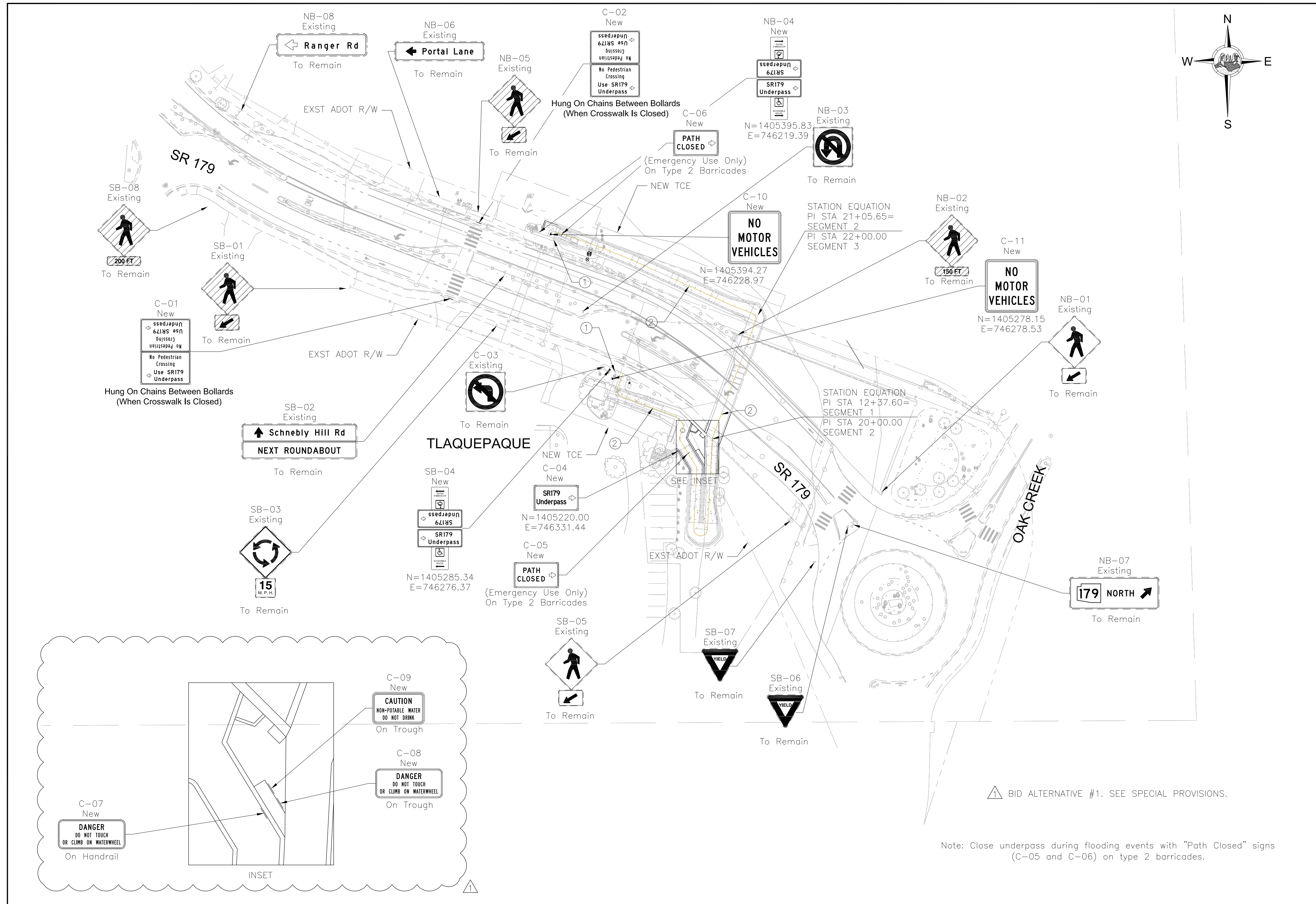
**CITY OF SEDONA**  
**PUBLIC WORKS DEPARTMENT**  
**102 ROADRUNNER DRIVE**  
**SEDONA, ARIZONA 86336**  
**928-204-7111**

SR 179 PEDESTRIAN CROSSING  
 AT TLAQUEPAQUE  
 SEDONA ARIZONA

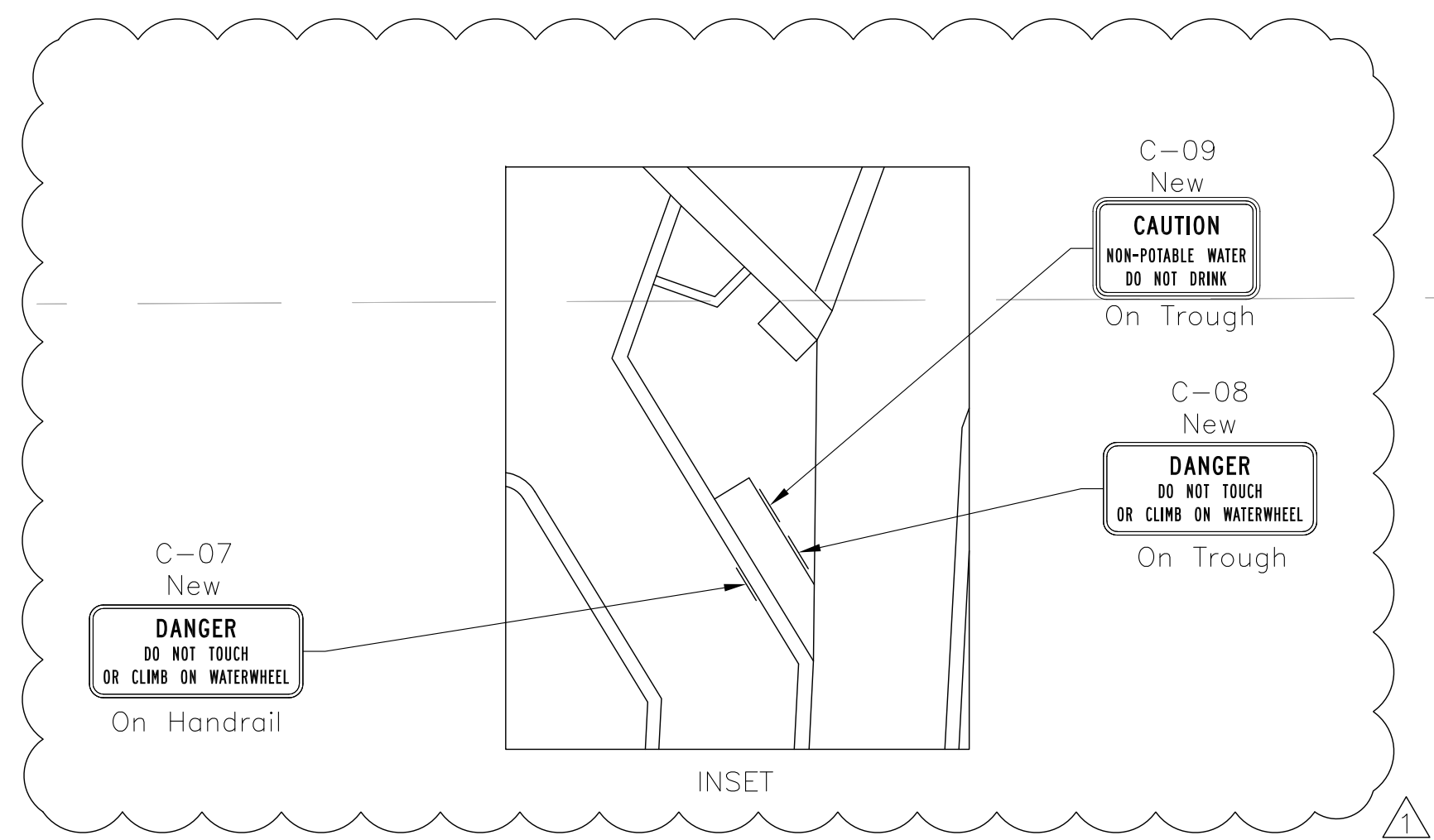
**SIGN FORMAT SHEET**

SHEET ID	
T4	
SHEET NO.	OF
38	45





- ① Future ST&PS Wayfinding Signing And Marking (Installed By Others)
- ② 4" Dashed Yellow Centerline



▲ BID ALTERNATIVE #1. SEE SPECIAL PROVISIONS.

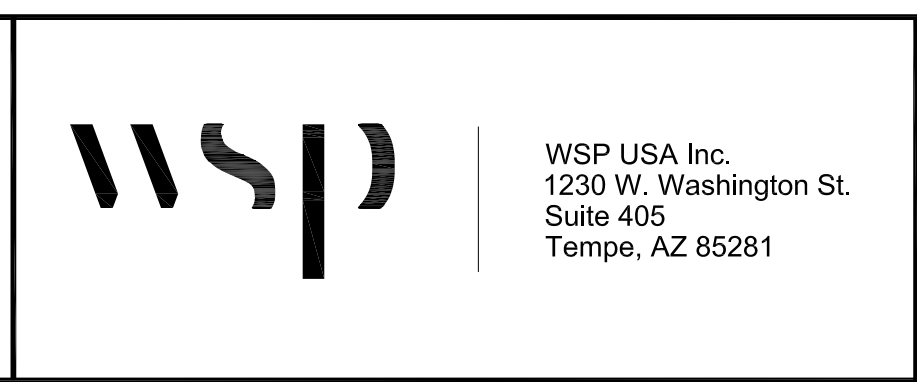
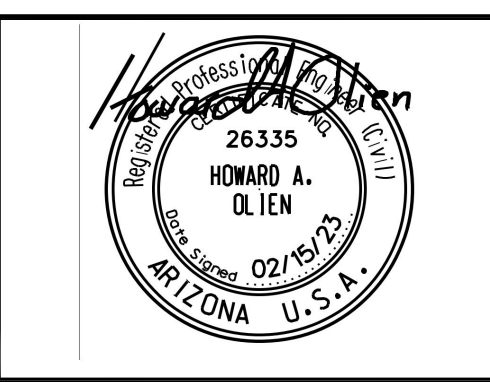
Note: Close underpass during flooding events with "Path Closed" signs (C-05 and C-06) on type 2 barricades.

SCALE:  
1" = 40' HORIZONTAL



Symbol	Revisions	Date	Appr.

Designed by:	HAO	Date:	02/15/2023
Drawn by:	CPG	Scale:	1:20
Checked by:	SD	Project Code:	TRAFFIC



**CITY OF SEDONA**  
PUBLIC WORKS DEPARTMENT  
102 ROADRUNNER DRIVE  
SEDONA, ARIZONA 86336  
928-204-7111

SR 179 PEDESTRIAN CROSSING  
AT TLAQUEPAQUE  
SEDONA ARIZONA

**SIGNING PLAN SHEET**

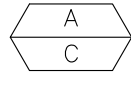





SHEET ID	
T5	
SHEET NO.	OF
39	45




# GENERAL NOTES

- ALL MATERIALS AND INSTALLATION SHALL CONFORM TO THE MOST RECENT ADOT TRAFFIC SIGNAL AND LIGHTING STANDARD DRAWINGS.
- FOR INSTALLATION PROCEDURES, SEE ADOT'S TRAFFIC SIGNAL AND LIGHTING STANDARD DRAWINGS.
- THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. ALL INVOLVED UTILITIES MAY NOT BE SHOWN ON THE PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITIES FOR THE EXACT LOCATION PRIOR TO ANY CONSTRUCTION ACTIVITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PROPER OFFSETS FROM ALL OVERHEAD AND UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CONTACT EACH UTILITY FOR SPECIFIC REQUIREMENTS.
- FOR ELECTRICAL SERVICE REQUIREMENTS, CONTACT ARIZONA PUBLIC SERVICE.
- THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATION OF THE ELECTRICAL SERVICE POLE WITH THE UTILITY COMPANY PRIOR TO TRENCHING AND INSTALLING THE SERVICE PULL BOX (MAXIMUM 2 FEET FROM SERVICE POINT). THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 5 FEET OF SLACK FOR EACH CONDUCTOR IN THE SERVICE PULL BOX. THE UTILITY COMPANY SHALL MAKE THIS CONNECTION AND THE CONTRACTOR COORDINATE THE WORK.
- EXACT LOCATIONS OF LOAD CENTER CABINETS AND TRANSFORMERS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- ONCE INSTALLED, ALL LUMINAIRES SHALL PASS A 100 HOUR CONTINUOUSLY ENERGIZED TEST BEFORE FINAL ACCEPTANCE. THE CONTRACTOR WILL BE RESPONSIBLE FOR CORRECTING ANY PROBLEMS.
- ALL LIGHTING UNITS SHALL BE INSTALLED WITH THE MAST ARM PERPENDICULAR TO THE LANE OR PATH ON WHICH THEY ARE LOCATED.
- THE CONTRACTOR SHALL PROVIDE AN ELECTRICAL EXPANSION COUPLING OF THE SIZE AND TYPE REQUIRED AT STRUCTURAL EXPANSION JOINTS.
- ALL OFFSETS ARE FROM CENTERLINE, UNLESS OTHERWISE NOTED.
- CONDUIT AND PULLBOXES ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS TO BE DETERMINED IN THE FIELD. CONDUIT ALIGNMENTS SHOULD BE REVIEWED WITH THE ELECTRICAL INSPECTOR PRIOR TO LAYOUT BY THE SURVEY CREW. SPACING OF PULLBOXES SHALL BE 350 FEET OR LESS. SEE STRUCTURAL PLANS FOR MORE INFORMATION ON LOCATING CONDUIT IN WALLS.
- ALL PULL BOXES SHALL BE LEFT IN A CLEAN CONDITION, FREE OF DIRT AND DEBRIS, UPON COMPLETION OF THE WORK.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY ALL GOVERNMENTAL AGENCIES.
- THE CONTRACTOR SHALL CONTACT BLUE STAKE AT 1-800-782-5348, A MINIMUM OF 2 WORKING DAYS PRIOR TO ANY EXCAVATION.
- ANY EQUIPMENT AND/OR UTILITIES WITHIN THE PROJECT LIMITS THAT ARE DAMAGED OR DESTROYED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE SOLE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL EQUIPMENT AND MATERIALS SPECIFIED ON THE APPROVED PLANS AND IN THE PROJECT SPECIFICATIONS.
- UNLESS SPECIFICALLY IDENTIFIED FOR REMOVAL AS PART OF THIS PROJECT, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR/RESTORE ANY LANDSCAPING, IRRIGATION, OR HARDSCAPE THAT MAY HAVE BEEN DAMAGED OR DISTURBED BY THE CONSTRUCTION ACTIVITIES.

## LEGEND

-  A = POLE / LUMINAIRE NUMBER  
C = CIRCUIT NUMBER
-  D= CONDUIT AND CONDUCTOR IDENTIFICATION/RUN NUMBER
-  METER PEDESTAL (SEE ADOT STD DWGS T.S. 2-6 AND T.S. 3-5)
-  #5 PULLBOX (SEE ADOT STD DWG T.S. 1-1)
-  CONDUIT RUN
-  POLE WITH LUMINAIRE

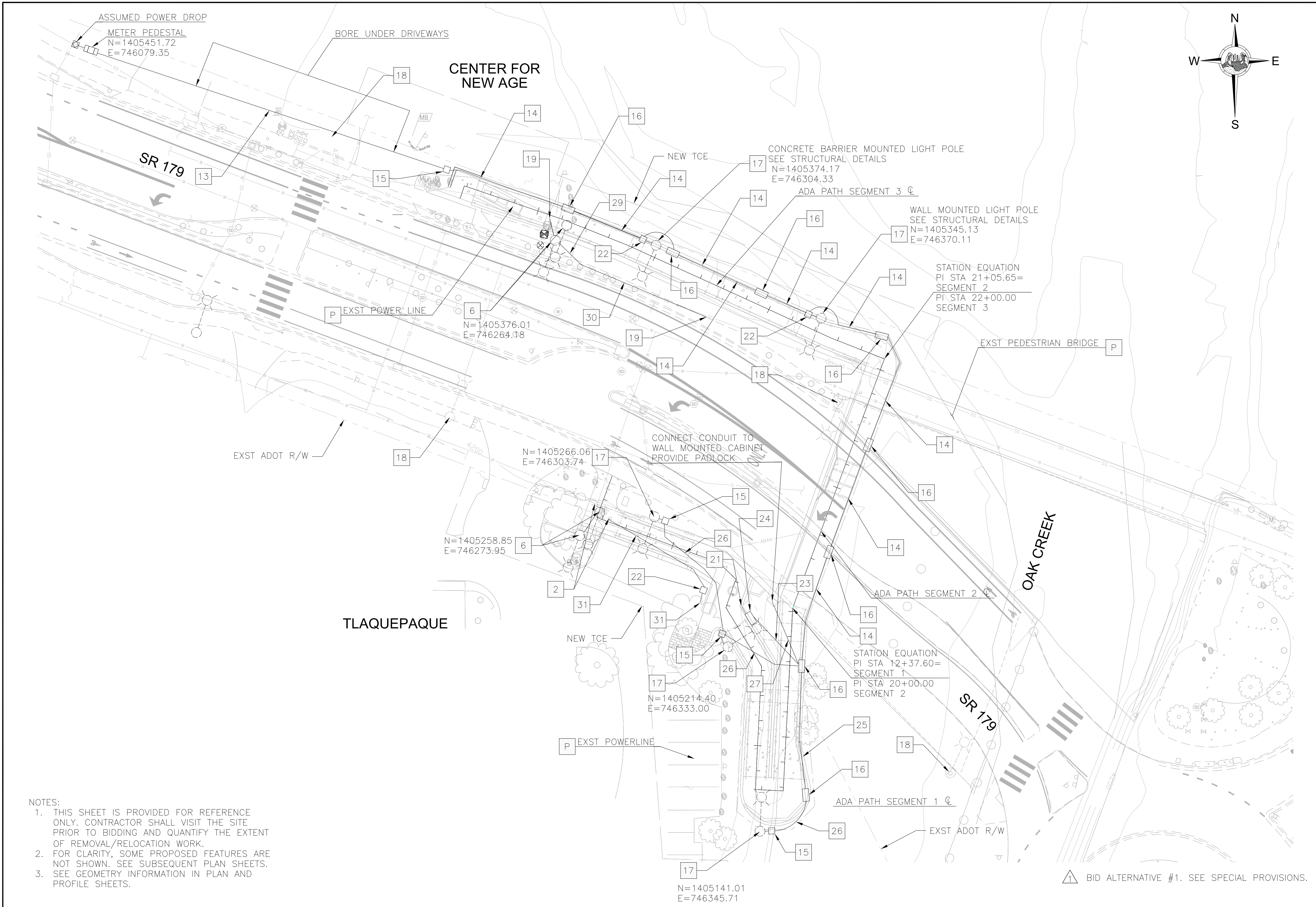
Panel Designation: New Panel						Main: 100 AMP								
Mounting: Pad Mounted						Volts: 120/240: Single Phase, 3 Wire								
CKT	BRK	Wire	PhotoCell Control	Description	Watts		CKT	BRK	Wire	PhotoCell Control	Description	Watts		
					L1	L2						L1	L2	
1	15	12	Yes	Underpass Path Light Poles	122.4		2	20	8	No	Path Light Pole Outlets	873.6		
		12	Yes	-		122.4	4	15	10	Yes	Wall Sconces	600		
5	15	12	Yes	LED Rope For Windows		132	6	15	8	No	Waterwheel Pump And Water Monitoring Panel		720	
<b>Feeder:</b>					<b>122.4</b>	<b>254.4</b>						<b>1474</b>	<b>720</b>	
					<b>L1 =</b>	<b>1596</b>	<b>Watts</b>						<b>12.79</b>	<b>AMPS</b>
					<b>L2 =</b>	<b>974</b>	<b>Watts</b>						<b>7.61</b>	<b>AMPS</b>

 BID ALTERNATIVE #1. SEE SPECIAL PROVISIONS



Symbol	Revisions	Date	Appr.	Designed by: HAO	Date: 02/15/2023			WSP USA Inc. 1230 W. Washington St. Suite 405 Tempe, AZ 85281		CITY OF SEDONA PUBLIC WORKS DEPARTMENT 102 ROADRUNNER DRIVE SEDONA, ARIZONA 86336 928-204-7111	SR 179 PEDESTRIAN CROSSING AT TLAQUEPAQUE SEDONA ARIZONA		SHEET ID T6	
				Drawn by: CPG	Scale: 1:20						LIGHTING GENERAL NOTES SHEET		SHEET NO. 40	OF 45
				Checked by: SD	Project Code: TRAFFIC									





- ### NOTES
- 2 RELOCATE PROPERTY WALL LIGHTS
  - 6 RELOCATE EXST LIGHT POLE
  - 13 1.5" PVC UNDERGROUND CONDUIT WITH 2-#8 CONDUCTORS, 1-#10 CONDUCTOR, 3-#12 CONDUCTORS, 1-#8 NEUTRAL AND 1-#8 GROUND
  - 14 1.5" PVC CONDUIT IN WALL OR BARRIER WITH 2-#8 CONDUCTORS, 1-#10 CONDUCTOR, 3-#12 CONDUCTORS, 1-#8 NEUTRAL AND 1-#8 GROUND INSTALL FOCUS SL-07 OMNI-3 LED WALL MOUNTED STEP LIGHT EVERY 20' (SEE HARDSCAPE PLANS)
  - 15 #5 PULL BOX
  - 16 8"x6"x4" METAL PULL BOX CAST IN WALL WITH STEP LIGHT DRIVER/TRANSFORMER
  - 17 HOLOPHANE 14' SSA DECORATIVE POLE AND GRAND LEDGE MAST ARM WITH GLASWERKS ASYMMETRIC 3,870 LUMEN LED LUMINAIRE, GFCI RECEPTACLE AND BANNER ARMS
  - 18 EXISTING LIGHT POLE TO REMAIN
  - 19 CONNECT NEW CONDUIT TO EXISTING CONDUIT
  - 21 POWER TO WINDOWS AND OTHER FEATURES (SEE HARDSCAPE PLANS)
  - 22 6"x6"x4" METAL PULL BOX CAST IN WALL
  - 23 1.5" PVC UNDERGROUND CONDUIT WITH 1-#8 CONDUCTOR, 1-#12 CONDUCTOR, 1-#8 NEUTRAL AND 1-#8 GROUND
  - 24 8"x6"x4" METAL PULL BOX CAST IN WALL WITH LED ROPE DRIVER, TIMER AND SWITCH
  - 25 1.5" PVC CONDUIT CAST IN WALL WITH 1-#8 CONDUCTOR, 1-#10 CONDUCTOR, 2-#12 CONDUCTORS, 1-#8 NEUTRAL AND 1-#8 GROUND INSTALL FOCUS SL-07 OMNI-3 LED WALL MOUNTED STEP LIGHT EVERY 20' (SEE HARDSCAPE PLANS)
  - 26 1.5" PVC UNDERGROUND CONDUIT WITH 1-#8 CONDUCTOR, 2-#12 CONDUCTORS, 1-#8 NEUTRAL AND 1-#8 GROUND
  - 27 1.5" PVC UNDERGROUND CONDUIT WITH 1-#8 CONDUCTOR, 1-#8 NEUTRAL AND 1-#8 GROUND
  - 28 1.5" PVC UNDERGROUND CONDUIT WITH 1-#8 CONDUCTOR, 1-#10 CONDUCTOR, 2-#12 CONDUCTORS, 1-#8 NEUTRAL AND 1-#8 GROUND
  - 29 1" PVC UNDERGROUND CONDUIT WITH 5-#8 CONDUCTORS, 1-#8 NEUTRAL AND 1-#8 GROUND BORE UNDER EXISTING SIDEWALK
  - 30 1" PVC UNDERGROUND CONDUIT WITH 2-#8 CONDUCTORS AND 1-#8 GROUND
  - 31 PVC UNDERGROUND CONDUIT AND CONDUCTORS SIZE TO MATCH EXISTING PROVIDE POWER TO TLAQUEPAQUE ARCH
  - P PROTECT-IN-PLACE

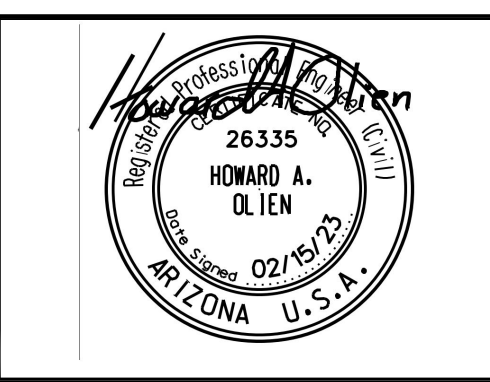
- NOTES:
1. THIS SHEET IS PROVIDED FOR REFERENCE ONLY. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING AND QUANTIFY THE EXTENT OF REMOVAL/RELOCATION WORK.
  2. FOR CLARITY, SOME PROPOSED FEATURES ARE NOT SHOWN. SEE SUBSEQUENT PLAN SHEETS.
  3. SEE GEOMETRY INFORMATION IN PLAN AND PROFILE SHEETS.

SCALE:  
1" = 20' HORIZONTAL

▲ BID ALTERNATIVE #1. SEE SPECIAL PROVISIONS.

Symbol	Revisions	Date	Appr.

Designed by:	HAO	Date:	02/15/2023
Drawn by:	CPG	Scale:	1:20
Checked by:	SD	Project Code:	TRAFFIC



WSP USA Inc.  
1230 W. Washington St.  
Suite 405  
Tempe, AZ 85281

**CITY OF SEDONA**  
**PUBLIC WORKS DEPARTMENT**  
102 ROADRUNNER DRIVE  
SEDONA, ARIZONA 86336  
928-204-7111

SR 179 PEDESTRIAN CROSSING  
AT TLAQUEPAQUE  
SEDONA ARIZONA

**LIGHTING PLAN SHEET**

SHEET ID	
T7	
SHEET NO.	OF
41	45



**FOR 6" THROUGH 12" GATE VALVES**  
Mueller Resilient Wedge Gate Valves  
Catalog Number A-2360 - ...  
ANSI/AWWA C509 Compliant

**FOR 14" THROUGH 16" GATE VALVES**  
Mueller Resilient Wedge Gate Valves  
Catalog Number A-2361 - ...  
ANSI/AWWA C509 Compliant

**ARIZONA WATER COMPANY**

STANDARD SPECIFICATION  
FOR THE INSTALLATION OF  
TYPICAL VERTICAL GATE VALVES

DRAWN BY: CB	APPROVED BY: MW	DATE: 03.20.1986	REVISED: 08.23.2006	E-9-2-1
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**ARIZONA WATER COMPANY**

STANDARD SPECIFICATION  
FOR THE INSTALLATION OF  
TYPICAL TAPPING SLEEVE AND VALVE

DRAWN BY: CB	APPROVED BY: MW	DATE: 03.20.1986	REVISED: 08.23.2006	E-9-3-1
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**ARIZONA WATER COMPANY**

STANDARD SPECIFICATION  
FOR THE INSTALLATION OF  
TYPICAL VALVE SUBJECT TO NON-VEHICULAR AND VEHICULAR TRAFFIC

DRAWN BY: CB	APPROVED BY: MW	DATE: 03.20.1986	REVISED: 08.24.2006	E-9-4-1
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**ARIZONA WATER COMPANY**

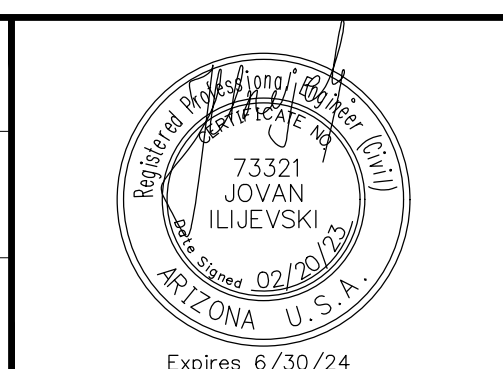
STANDARD SPECIFICATION  
FOR THE INSTALLATION OF  
TYPICAL THRUST BLOCKING SCHEDULE

PIPE SIZE	TEE, 45° & 22.5° ELLS, & PLUS	90° ELLS
6" And Under	4 Sq.Ft.	6 Sq.Ft.
8"	6 Sq.Ft.	9 Sq.Ft.
12"	13 Sq.Ft.	20 Sq.Ft.
16"	23 Sq.Ft.	32 Sq.Ft.
18" And Larger	Calculated Per Project	

DRAWN BY: CB	APPROVED BY: MW	DATE: 03.20.1986	REVISED: 05.27.2005	E-9-5-1
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Symbol	Revisions	Date	Appr.

Designed by: JI	Date: 02/20/2023
Drawn by: CPG	Scale: NOT TO SCALE
Checked by: JKF	Project Code: CIVIL

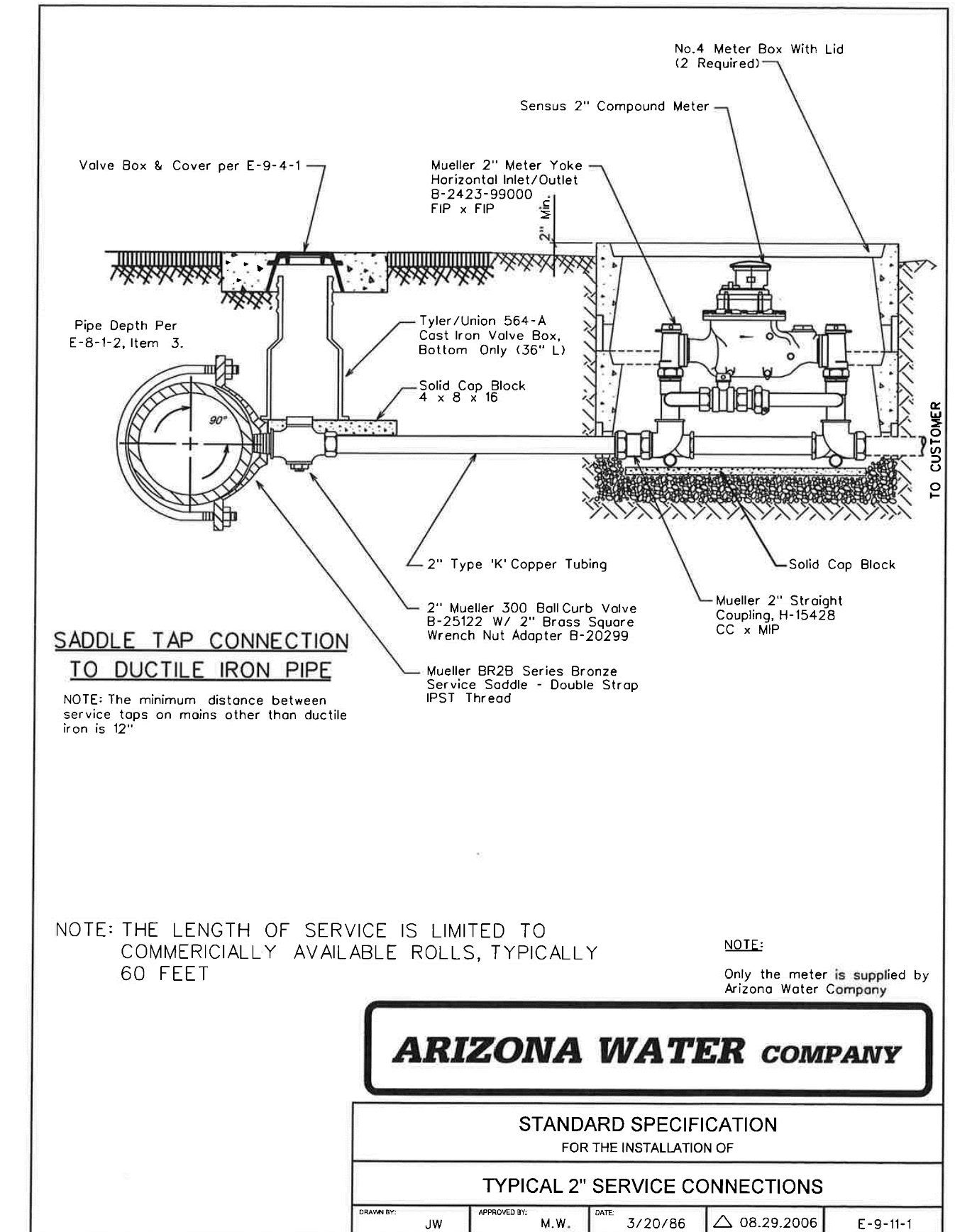
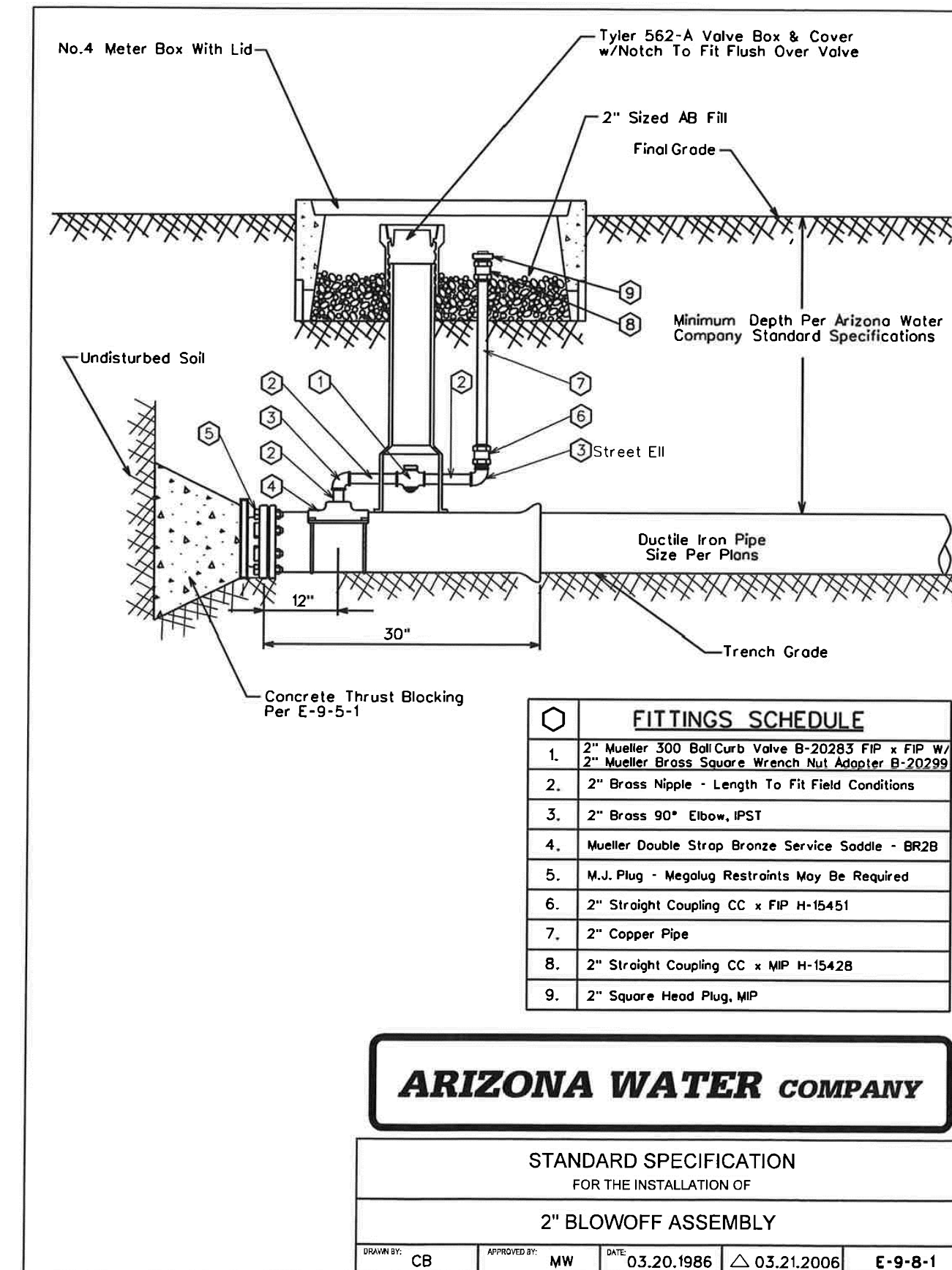
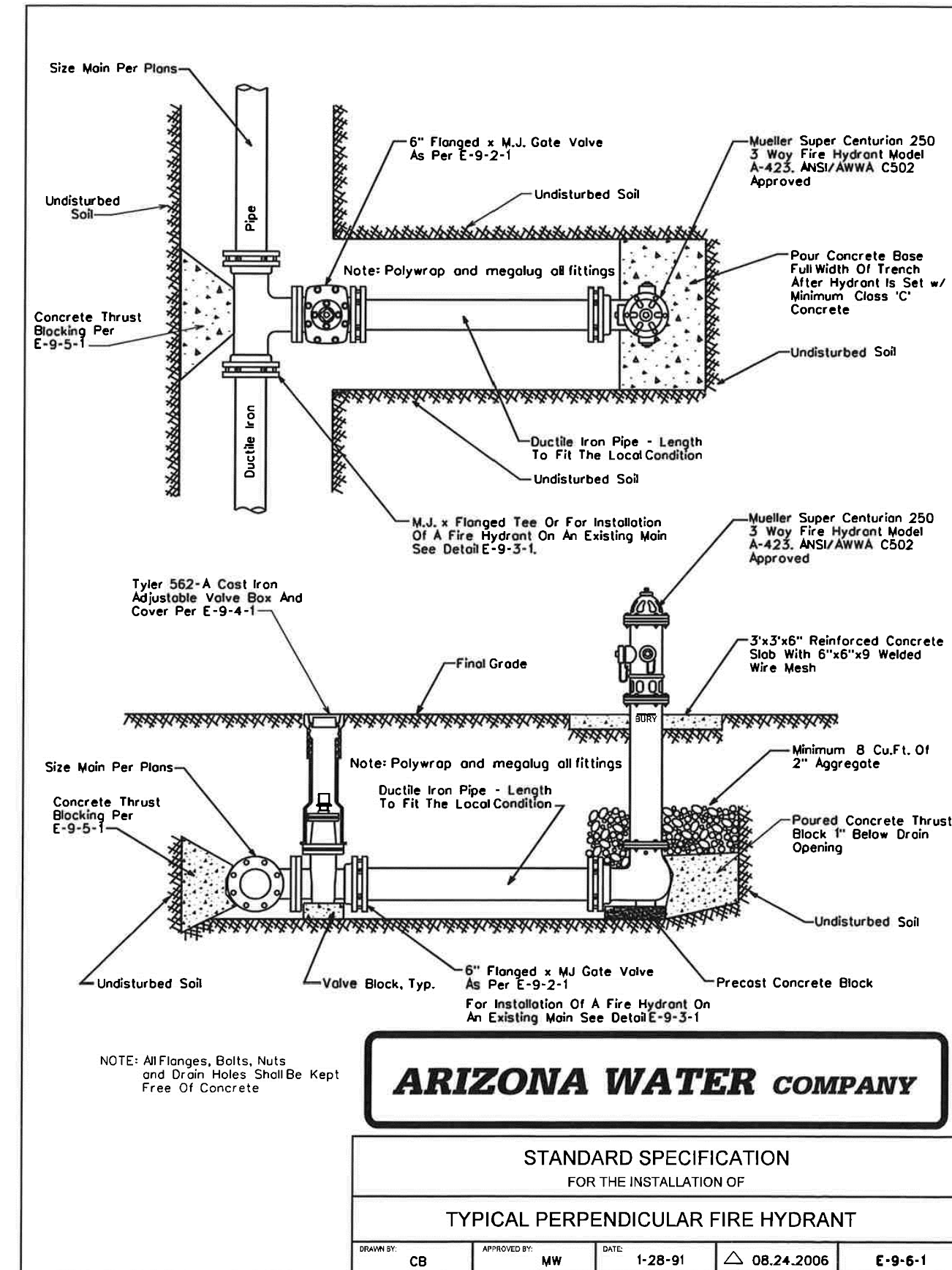


SR 179 PEDESTRIAN CROSSING  
AT OAK CREEK  
SEDONA ARIZONA

**AWC DETAIL SHEET 1**

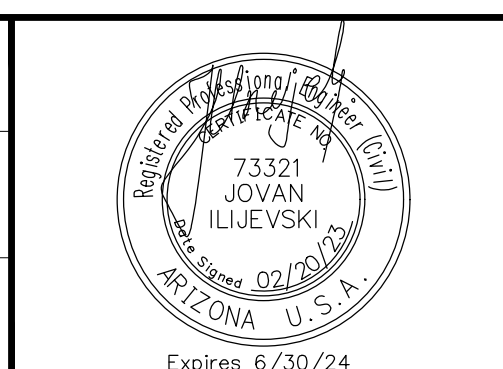
SHEET ID: U1	
SHEET NO.: 42	OF 45





Symbol	Revisions	Date	Appr.

Designed by:	JI	Date:	02/20/2023
Drawn by:	CPG	Scale:	NOT TO SCALE
Checked by:	JKF	Project Code:	CIVIL



**wsp**

WSP USA Inc.  
1230 W. Washington St.  
Suite 405  
Tempe, AZ 85281

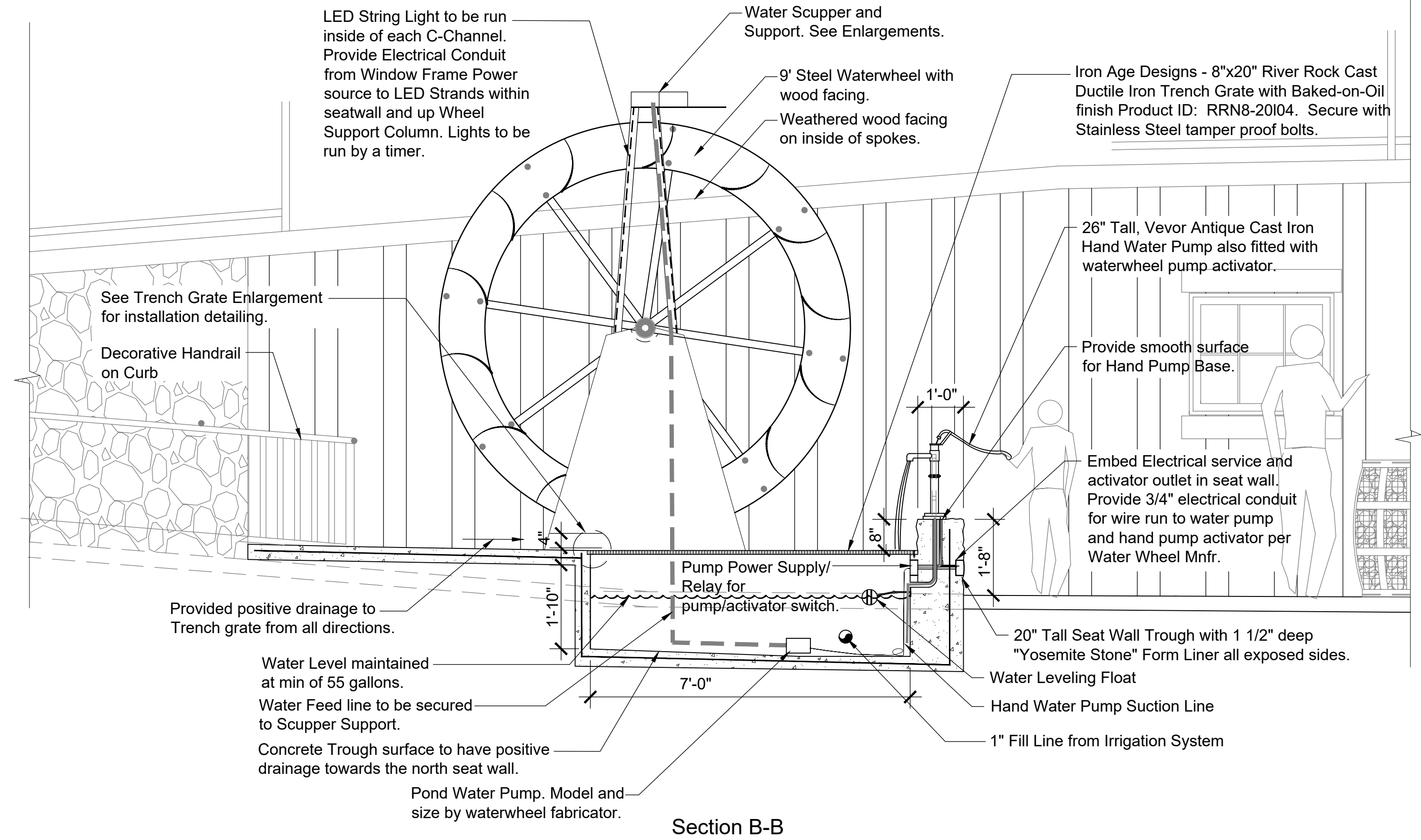
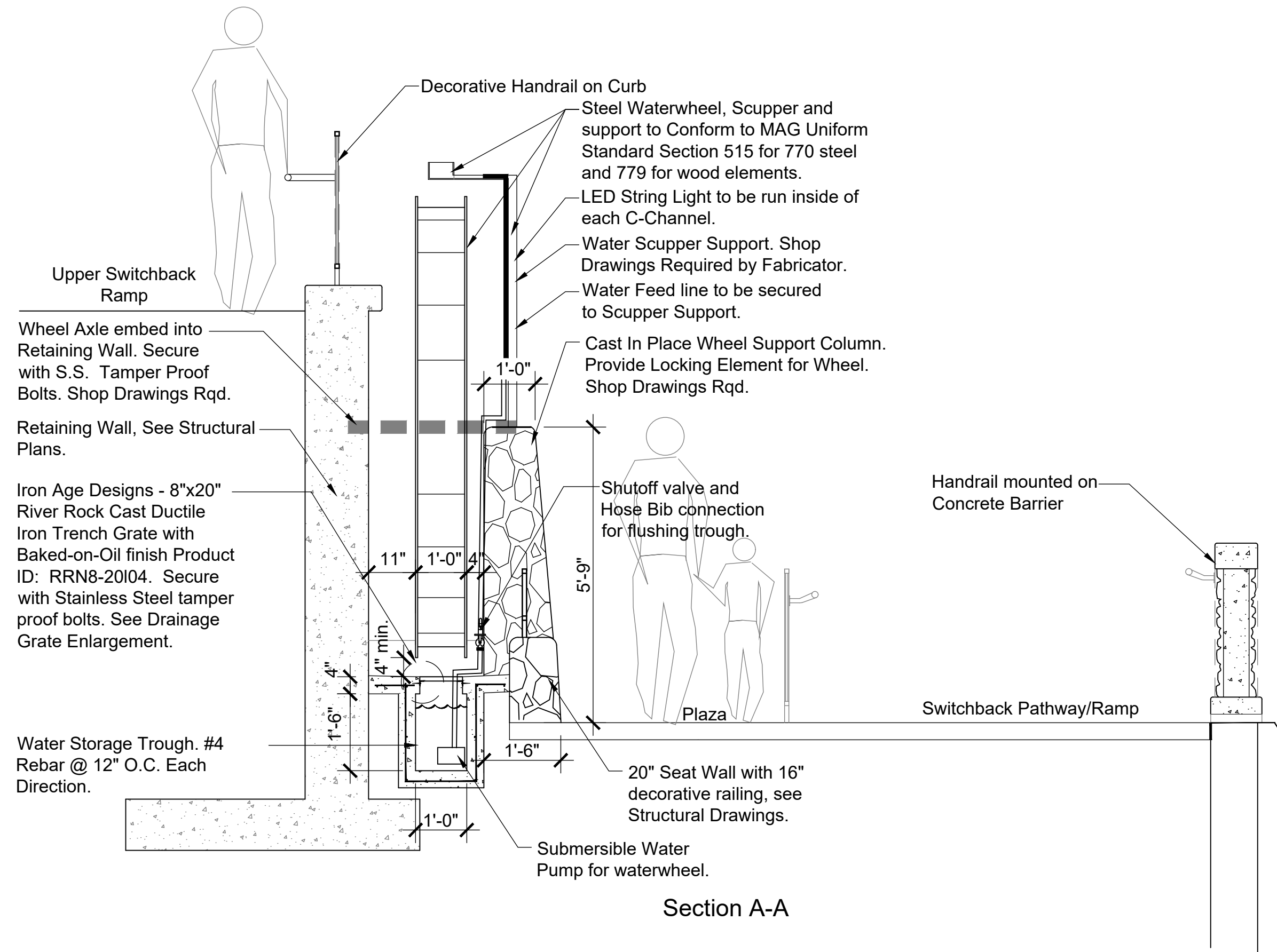
**CITY OF SEDONA**  
PUBLIC WORKS DEPARTMENT  
102 ROADRUNNER DRIVE  
SEDONA, ARIZONA 86336  
928-204-7111

SR 179 PEDESTRIAN CROSSING  
AT OAK CREEK  
SEDONA ARIZONA

**AWC DETAIL SHEET 2**

SHEET ID	
U2	
SHEET NO.	OF
43	45





**NOTES:**  
 Waterwheel to be fabricated by Waterwheel Manufacturing Inc.,  
 191 Industrial Park Road  
 Franklin, NC 28734  
 Contact: Robert  
 Phone: 828-369-5928  
 email - Waterwheel@dnet.net

- or - Approved Equal Qualified Fabricator.

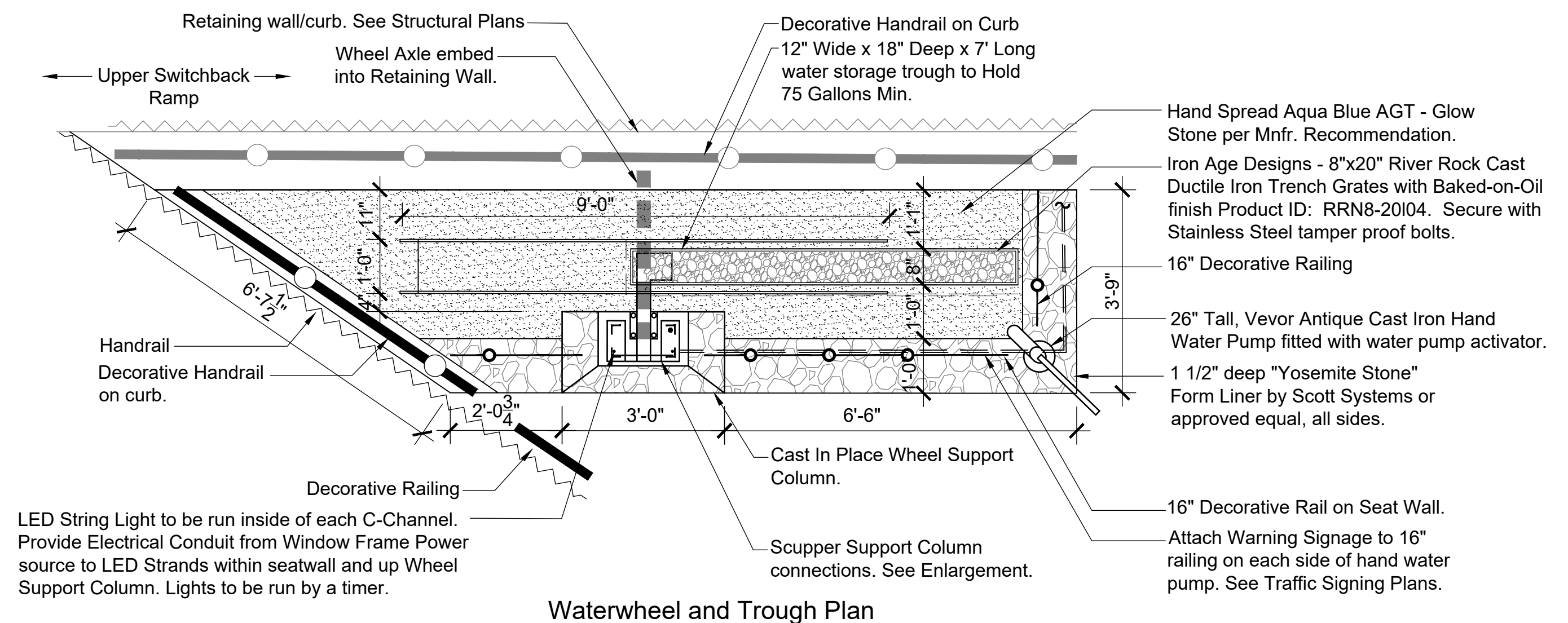
Contractor to provide all shop drawings for construction and all required governmental permitting for all waterwheel appurtenances including but not limited to, supports, axle, water pump, hand pump activation switch, water level float, scupper, foundation, wall support columns, wheel lock, etc. for review and approval prior to fabrication of water wheel. Color and finishes of the waterwheel and equipment to be coordinated with the Owner's Representative.

The Contractor shall submit shop drawings for wheel axle embedment into retaining wall. Contractor has the option to install with independent support (CIP or Steel) as approved by the City's Representative. Service load into retaining wall shall not exceed 700 vertical pounds.

Contractor to Coordinate Wheel Fabrication and mounting requirements with the fabricator prior to installing Retaining Wall.  
 Waterwheel to be fabricated from steel with wood facing.

Concrete seat wall and support column to have "Yosemite Stone" Form Liner by Scott Systems. Top of support column to remain smooth for embed weld plates. All wall and support column surfaces to receive 'Permeon' stain, see Specifications.

All Work shall conform to the most recent edition of MAG Uniform Standards. Metal and Wood work shall have a natural finish with sealant to protect from weathering. Permitting per City of Sedona and Coconino County requirements.

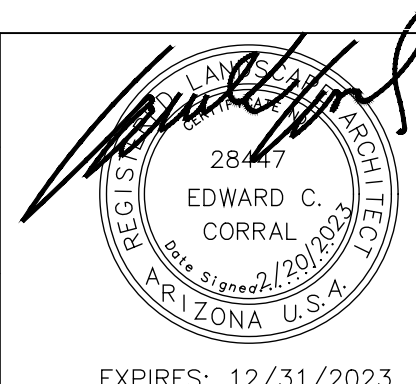


1 WATERWHEEL  
 1/2" = 1'-0"



Symbol	Revisions	Date	Appr.
▲	Bid Alternate - Waterwheel and Associated Elements	02/20/2023	

Designed by:	BP	Date:	02/20/23
Drawn by:	BP	Scale:	NOT TO SCALE
Checked by:	EC	Project Code:	CIVIL



**wsp**  
 WSP USA Inc.  
 1230 W. Washington St.  
 Suite 400  
 Tempe, AZ 85281

**cdg**  
 central design group, inc.  
 4432 SOUTH 34TH STREET  
 PHOENIX, ARIZONA 85040  
 TEL: 602.222.9822 FAX: 602.222.9079  
 WWW.CENTRALDESIGNGROUP.COM

**CITY OF SEDONA**  
**PUBLIC WORKS DEPARTMENT**  
 102 ROADRUNNER DRIVE  
 SEDONA, ARIZONA 86336  
 928-204-7111

SR 179 PEDESTRIAN CROSSING  
 AT TLAQUEPAQUE  
 SEDONA, ARIZONA

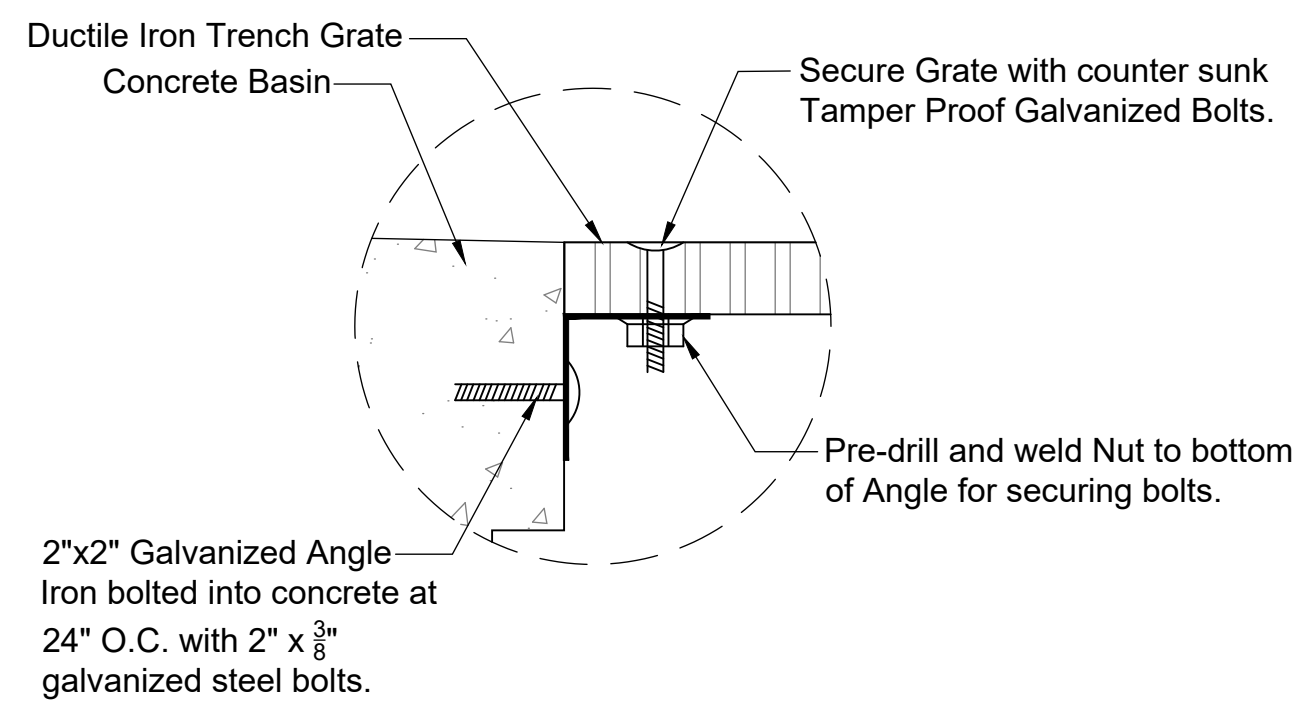
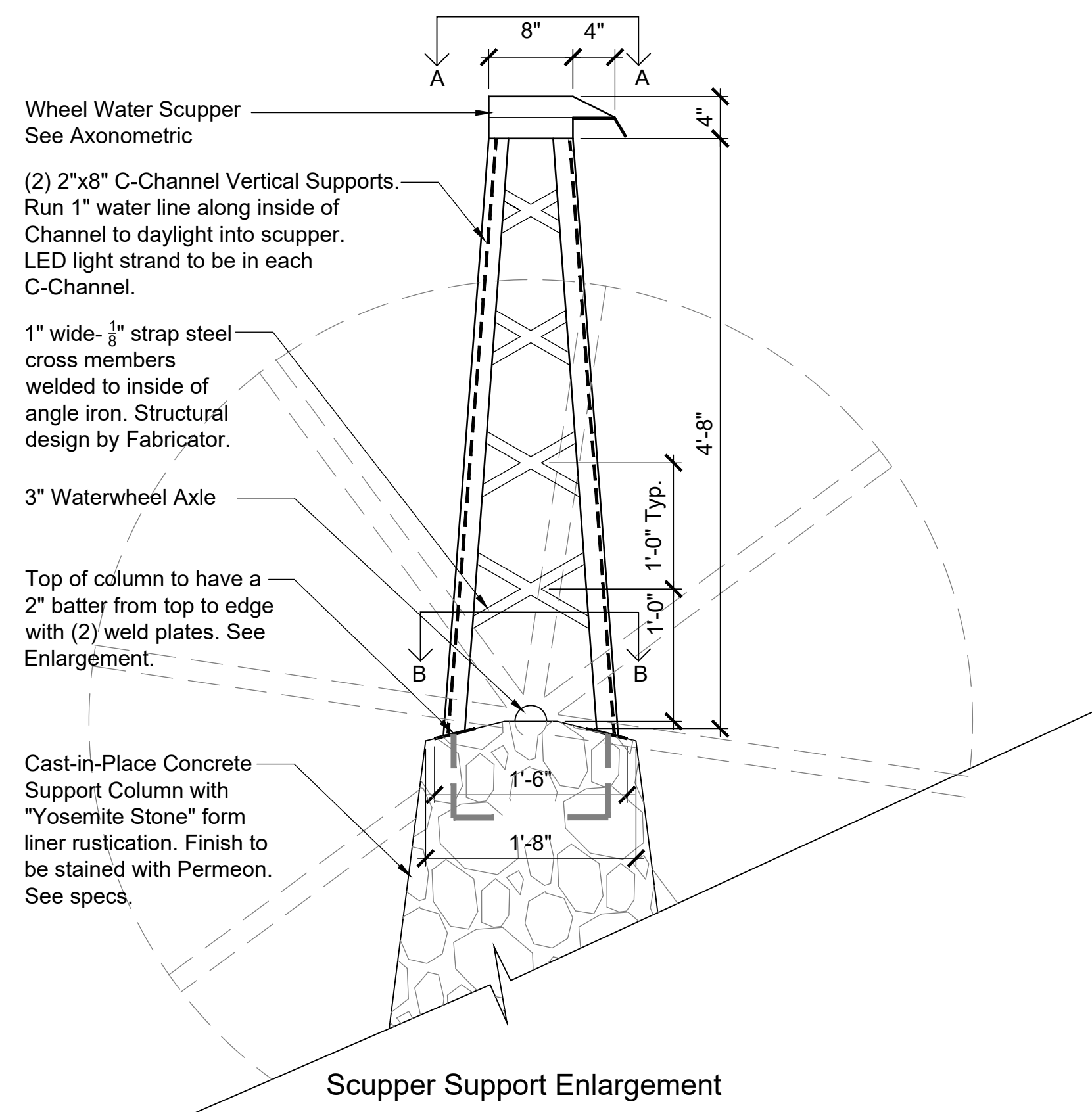
**BID ALTERNATE #1**  
**WATERWHEEL DETAILS**

SHEET ID	
BA 1.01	
SHEET NO.	OF
44	45

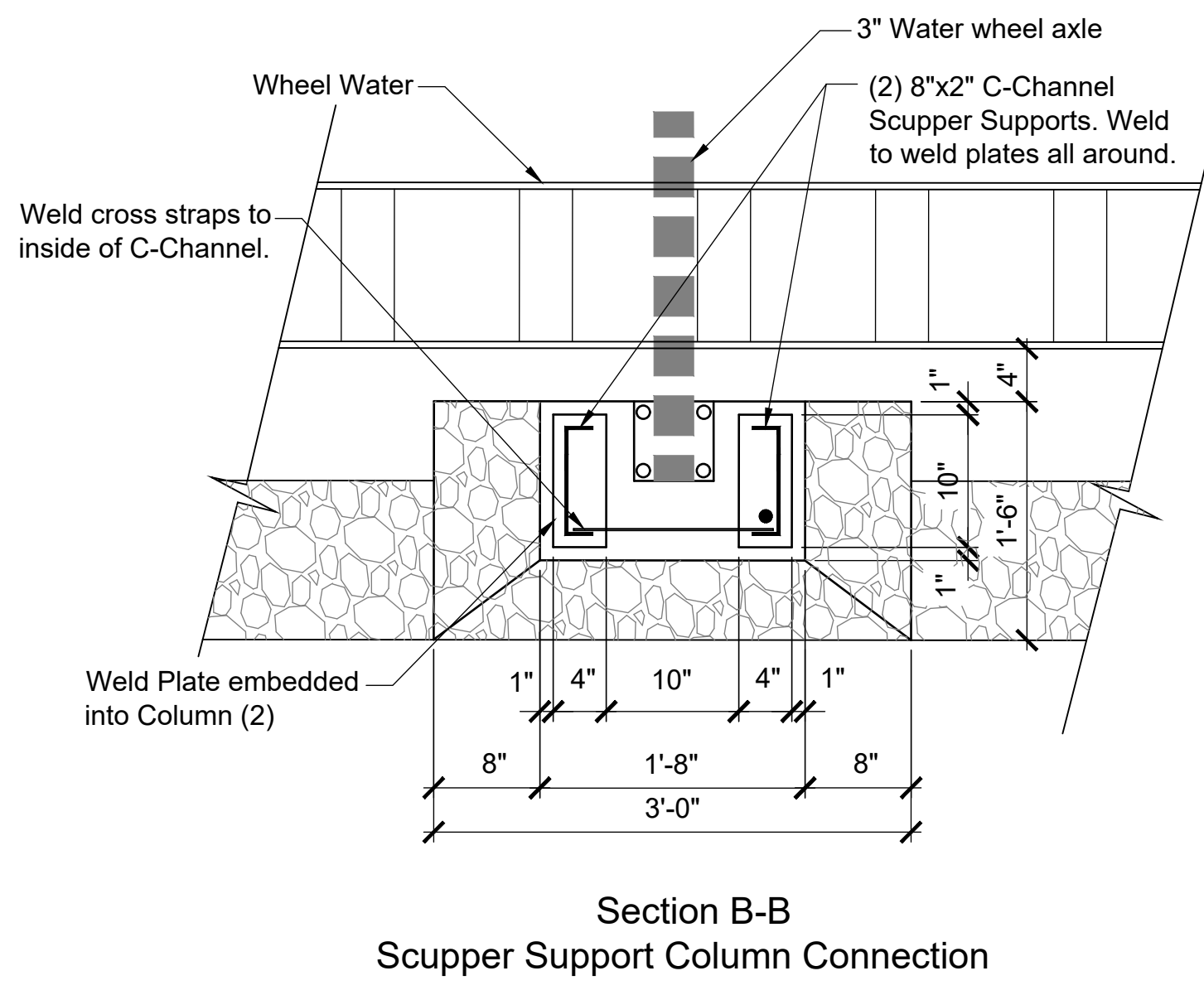
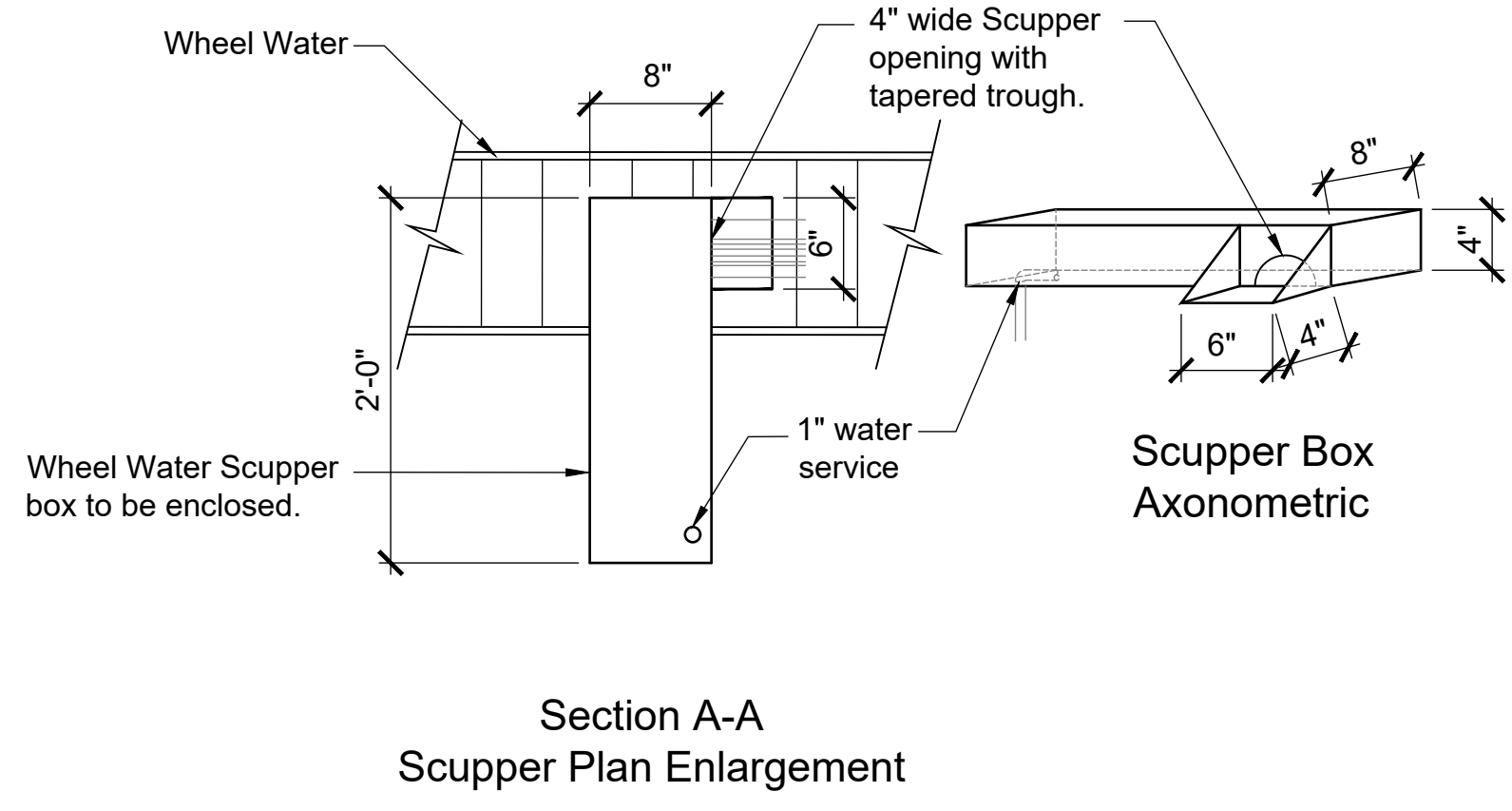
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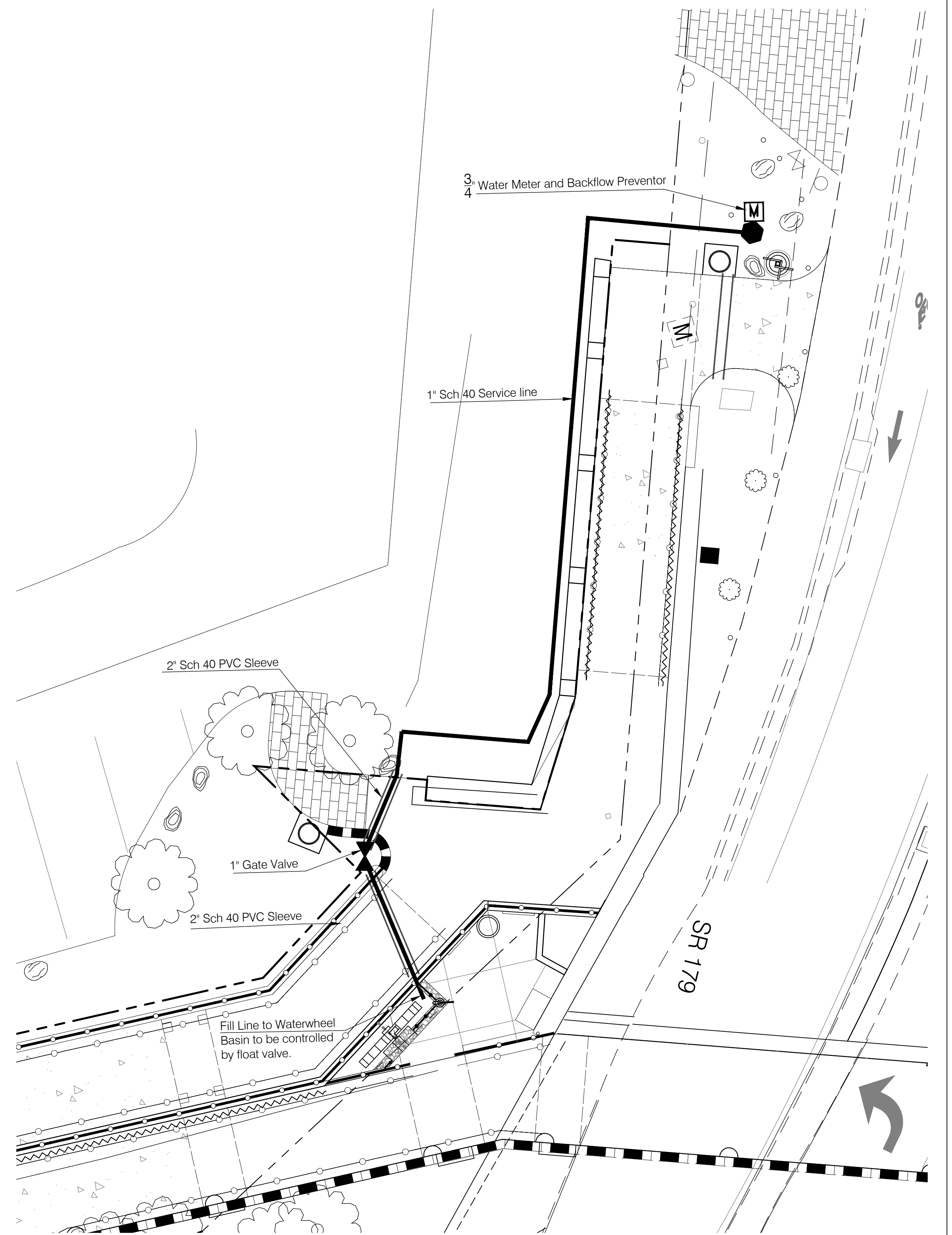




**3 TRENCH GRATE ENLARGEMENT**  
NTS



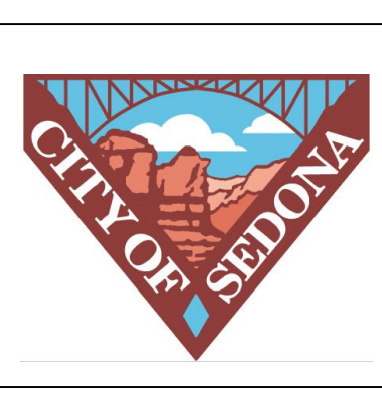
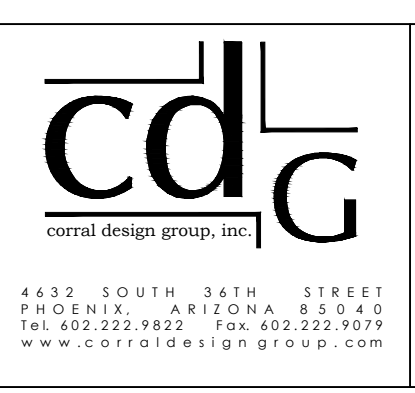
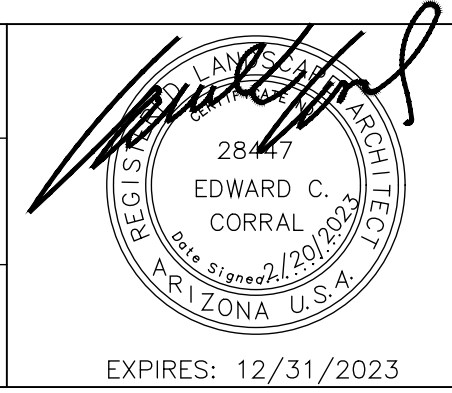
**2 WATERWHEEL ENLARGEMENTS**  
1" = 1'-0"



**4 WATERWHEEL WATER SERVICE PLAN**  
NTS



Symbol	Revisions	Date	Appr.	Designed by:	Date:
▲	Bid Alternate - Waterwheel and Associated Elements	02/20/2023		BP	02/20/23
				Drawn by:	Scale:
				BP	NOT TO SCALE
				Checked by:	Project Code:
				EC	CIVIL



**CITY OF SEDONA  
PUBLIC WORKS DEPARTMENT  
102 ROADRUNNER DRIVE  
SEDONA, ARIZONA 86336  
928-204-7111**

SR 179 PEDESTRIAN CROSSING  
AT TLAQUEPAQUE  
SEDONA, ARIZONA

**BID ALTERNATE #1  
WATERWHEEL DETAILS**

SHEET ID	
<b>BA 1.02</b>	
SHEET NO.	OF
45	45

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