

SSCAFCA Project No. MO_P0030-02
MONTOYAS WATERSHED



APPROVALS

DATE: 09/03/2026



PROJECT NO: MO_P0030-02
DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JN
DATE: 8/25/2026

1

SHEET 1 OF 18

Thursday, September 3, 2026 3:25:08 PM - Jemie Vigil - Southern Sandoval County Arroyo Flood Control Authority\SSCAFCA_Project_Files\Montevia_MO_P0030-02_ArroyoFlood_SHEETS\2_GENERAL NOTES.dwg

GENERAL NOTES

1.

ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH 1) THE PROJECT CONSTRUCTION PLANS, 2) THE PROJECT SPECIFICATIONS, AND 3) NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, APWA NM CHARTER, LATEST EDITION, IN THAT ORDER OF PRECEDENCE AT THE TIME OF CONSTRUCTION BID.
2.

THE CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
3.

NO MODIFICATIONS TO THESE PLANS SHALL BE MADE WITHOUT THE WRITTEN CONSENT OF THE OWNER, ENGINEER AND ALL APPROVAL SIGNATORIES. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION METHODS OR TECHNIQUES OR FOR THE PROSECUTION OF THE WORK AS SHOWN ON THESE PLANS. THE ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR OTHER PERSONS PERFORMING ANY WORK, AS SHOWN IN THE PROJECT CONTRACT DOCUMENTS.
4.

UNLESS OTHERWISE PROVIDED AS PART OF THE CONSTRUCTION PLANS, A COMPLETE TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR WHEN ANY PORTION OF THE WORK IMPACTS THE TRAVELING PUBLIC, EITHER VEHICULAR OR PEDESTRIAN. ALL CONSTRUCTION SIGNING, BARRICADING AND CHANNELIZATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTOD), LATEST EDITION. THE PLAN SHALL BE SUBMITTED TO THE APPROPRIATE JURISDICTIONAL AUTHORITY FOR APPROVAL AT LEAST 7 DAYS PRIOR TO THE DESIRED START OF CONSTRUCTION. THE CONTRACTOR SHALL NOT IMPLEMENT THE TRAFFIC CONTROL PLAN UNTIL APPROVAL OF THE PLAN HAS BEEN RECEIVED.
5.

THE CONTRACTOR SHALL DESIGNATE AT LEAST ONE EMERGENCY CONTACT PERSON, AND SHALL PROVIDE TELEPHONE NUMBERS WHERE THIS PERSON CAN BE CONTACTED AT ANY TIME. THIS INFORMATION SHALL BE PROVIDED TO THE OWNER.
6.

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL JURISDICTIONAL AUTHORITIES PRIOR TO START OF CONSTRUCTION.
7.

ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY, HEALTH, AND ENVIRONMENTAL PROTECTION.
8.

EXISTING SITE IMPROVEMENTS WHICH ARE DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE. THE WORK SHALL BE APPROVED BY THE OWNER PRIOR TO CONSTRUCTION OF THE REPAIRS. REPAIRS MUST BE ACCEPTED BY THE OWNER PRIOR TO FINAL PAYMENT.
9.

THE CONTRACTOR SHALL ONLY UTILIZE THE DESIGNATED STAGING AREAS FOR STORAGE OF ALL EQUIPMENT AND MATERIALS. THE OWNER ASSUMES NO RESPONSIBILITY OR LIABILITY FOR CONTRACTOR'S EQUIPMENT AND MATERIAL IN THE STAGING AREA. SECURITY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IF NO STAGING AREA IS DESIGNATED ON THESE PLANS, AN OFF-SITE STAGING AREA SHALL BE PROVIDED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE, OR THE CONTRACTOR MAY NEGOTIATE WITH THE OWNER TO USE AN ON-SITE AREA.
10.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING, IN ADVANCE OF HIS/HER CONSTRUCTION OPERATIONS, IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYS, ETC., ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION IS EVIDENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COSTS ASSOCIATED WITH THIS EFFORT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
11.

FACILITIES WHICH ARE NOT SPECIFICALLY LOCATED WITH ACTUAL VERTICAL AND HORIZONTAL CONTROLS ON THE CONSTRUCTION DOCUMENTS, ARE SHOWN APPROXIMATE AND IN ACCORDANCE WITH 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 IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SHOULD BE VERIFIED, BY ANY MEANS NECESSARY, PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE OWNER AT 505-892-7246 IMMEDIATELY.
12.

IT IS MANDATORY THAT A PRE-CONSTRUCTION MEETING BE HELD PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE OWNER AT 505-892-7246 TO DETERMINE THE TIME AND LOCATION OF THE PRE-CONSTRUCTION MEETING.
13.

AT THE PRE-CONSTRUCTION MEETING, THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION SCHEDULE TO THE OWNER.
14.

ANY WORK PERFORMED WITHOUT THE APPROVAL OF THE OWNER AND/OR ALL WORK AND MATERIALS NOT IN CONFORMANCE WITH THE SPECIFICATIONS IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
15.

THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS FOR CLEANING TRUCKS AND/OR OTHER EQUIPMENT OF MUD PRIOR TO ENTERING PUBLIC STREETS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN STREETS AND TAKE WHATEVER MEASURES ARE NECESSARY TO ENSURE THAT ALL ROADS ARE MAINTAINED IN A CLEAN, MUD AND DUST-FREE CONDITION AT ALL TIMES.
16.

THE CONTRACTOR SHALL CONTACT NEW MEXICO ONE CALL AT 811 OR 1-800-321-2537, FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION FOR UTILITY SPOTS IN ACCORDANCE WITH APPLICABLE STATE LAW.
17.

CONTRACTOR WILL NOTIFY THE OWNER AT 505-892-7246 A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO COMMENCEMENT OF WORK.
18.

THE CONTRACTOR SHALL CONFINED HIS WORK TO WITHIN THE CONSTRUCTION LIMITS AND/OR PUBLIC RIGHTS-OF-WAY TO PRESERVE EXISTING VEGETATION, LANDSCAPING, AND PRIVATE PROPERTY. APPROVAL OF THESE PLANS DOES NOT GIVE OR IMPLY ANY PERMISSION TO TRESPASS OR WORK ON PRIVATE PROPERTY. PERMISSION MUST BE GRANTED IN WRITING BY THE OWNER OF THAT PROPERTY.
19.

IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO KEEP THE JOB SITE FREE FROM TRASH ON A DAILY BASIS, AND ALL MATERIALS WILL BE NEATLY ORGANIZED. TRASH AND/OR NON-USED MATERIALS SHALL NOT BE BURIED ON-SITE.
20.

CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES SO AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
21.

CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING UTILIZING APPROVED CONSTRUCTION PLANS, THE APPROPRIATE RIGHT-OF-WAY MAPS AND RECORDED PLATS, EACH REVISION TO THE PLANS SHALL BE RECORDED IN THE PLAN REVISION BLOCK. PLANS SHALL INCLUDE LOCATION MAP WITH LEGAL DESCRIPTION AND LOCATION GRID.
22.

THE CONTRACTOR SHALL MAINTAIN AN UP TO DATE SET OF AS-BUILT PLANS FOR THE PROJECT. THE FINAL AS-BUILT PLANS, REFLECTING ANY AND ALL CHANGES TO THE ORIGINAL PLAN, SHALL BE SUBMITTED TO THE OWNER PRIOR TO FINAL PAYMENT.
23.

THE CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION ACTIVITIES, PERMITTING, AND SUBMITTALS ARE IN ACCORDANCE WITH THE SSCAFCA AND/OR JURISDICTIONAL AUTHORITY ORDINANCES.

GENERAL NOTES (CONTINUED)

24.

NO WORK SHALL BE PERFORMED IN A FEMA FLOODPLAIN WITHOUT WRITTEN AUTHORIZATION FROM THE LOCAL FLOODPLAIN MANAGER.
25.

CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF HIS WORK FROM STORMWATER FLOWS AS OUTLINED IN THE SUPPLEMENTAL TECHNICAL SPECIFICATIONS PROVIDED IN THE CONTRACT DOCUMENTS.
26.

UNLESS OTHERWISE SPECIFIED, ALL CONCRETE SHALL BE A MINIMUM OF 3,000 PSI.
27.

IF APPLICABLE, THE CONTRACTOR SHALL COMPLY WITH ALL CONSTRUCTION RELATED REQUIREMENTS OF THE PROJECT'S CORP OF ENGINEERS 404 PERMIT. COPIES OF THE PERMIT TERMS MAY BE OBTAINED FROM THE OWNER.
28.

THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING CONSTRUCTION NOISE AND HOURS OF OPERATION.

EROSION CONTROL / ENVIRONMENTAL PROTECTION / STORMWATER POLLUTION PREVENTION PLAN

1.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULFILLING ALL NECESSARY NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS INCLUDING, BUT NOT LIMITED TO, OBTAINING AN NPDES PERMIT BEFORE CONSTRUCTION, FILLING OUT THE NOTICE OF INTENT (NOI) APPLICATION, FILLING OUT THE NOTICE OF TERMINATION (NOT) APPLICATION, AND ANY OTHER REQUIREMENTS SET FORTH IN NTC - STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND NOTICE OF INTENT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE IMPLEMENTATION OF AND INSPECTION REPORTS FOR THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR SHALL SUBMIT THE SWPPP WITH THE PROPOSED CONSTRUCTION STAGING AREA AND TEMPORARY SANITARY FACILITIES CLEARLY SHOWN. ANY CHECK DAMS, SILT FENCES, OR OTHER BEST MANAGEMENT PRACTICES (BMP) THAT ARE REQUIRED IN THE APPROVED SWPPP SHALL BE CONSIDERED AS INCLUDED IN ITEM 603281 SWPPP PLAN PREPARATION AND MAINTENANCE, AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
2.

THE CONTRACTOR IS REQUIRED TO KEEP A CURRENT COPY OF THE SWPPP AT THE CONSTRUCTION SITE OR AT AN EASILY ACCESSIBLE LOCATION SO THAT IT CAN BE MADE AVAILABLE AT THE TIME OF AN ONSITE INSPECTION OR UPON REQUEST BY THE EPA; A STATE, TRIBAL, OR LOCAL AGENCY APPROVING STORM WATER MANAGEMENT PLANS; THE OPERATOR OF A STORM SEWER SYSTEM RECEIVING DISCHARGES FROM THE SITE; OR REPRESENTATIVES OF THE U.S. FISH AND WILDLIFE SERVICE (USFWS) OR THE NATIONAL MARINE FISHERIES SERVICE (NMFS).
3.

THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST AND EROSION CONTROL REGULATIONS. THE CONTRACTOR SHALL PREPARE AND OBTAIN ANY NECESSARY DUST OR EROSION CONTROL PERMITS FROM THE REGULATORY AGENCIES.
4.

THE CONTRACTOR SHALL EITHER PROMPTLY REMOVE ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR INSTALL BMPS ACCORDING TO NPDES REQUIREMENTS TO PREVENT DISCHARGE OF EXCAVATED MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY DURING A RAIN OR WIND EVENT. ALL COSTS FOR THESE REQUIREMENTS SHALL BE CONSIDERED AS INCLUDED IN ITEM 603281 SWPPP PLAN PREPARATION AND MAINTENANCE, AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
5.

THE CONTRACTOR SHALL IMPLEMENT THE APPROVED SWPPP AND ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
6.

THE CONTRACTOR SHALL MITIGATE EROSION OF TEMPORARY OR PERMANENT DIRT SWALES BY INSTALLING BMPS IDENTIFIED IN THE APPROVED SWPPP IN THE SWALES PERPENDICULAR TO THE DIRECTION OF FLOW, AND AT INTERVALS AS SPECIFIED IN THE SWPPP.
7.

CONSTRUCTION AREAS SHALL BE WATERED FOR DUST CONTROL IN COMPLIANCE WITH GOVERNMENT ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND SUPPLYING WATER AS REQUIRED. WATERING, AS REQUIRED FOR CONSTRUCTION AND DUST CONTROL, SHALL BE CONSIDERED AS INCLUDED IN ITEM 603281 SWPPP PLAN PREPARATION AND MAINTENANCE, AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
8.

ANY AREAS DISTURBED BY CONSTRUCTION AND NOT COVERED BY LANDSCAPING OR AN IMPERVIOUS SURFACE SHALL BE RE-VEGETATED WITH NATIVE GRASS SEEDING. WHEN CONSTRUCTION ACTIVITIES CEASE AND EARTH DISTURBING ACTIVITIES WILL NOT RESUME WITHIN 14 DAYS, STABILIZATION MEASURES MUST BE INITIATED. UNLESS INDICATED OTHERWISE ON THESE PLANS OR ON THE LANDSCAPING PLAN, NATIVE GRASS SEEDING SHALL BE IN ACCORDANCE WITH SECTION 1012 OF THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, APWA NM CHAPTER, CURRENT EDITION.
9.

ALL WASTE PRODUCTS FROM THE CONSTRUCTION SITE, INCLUDING CONSTRUCTION WASTE, CONSTRUCTION EQUIPMENT WASTE PRODUCTS (OIL, GAS, TIRES, ETC.) GARBAGE, GRUBBING, EXCESS CUT MATERIAL, VEGETATIVE DEBRIS, ETC. SHALL BE APPROPRIATELY DISPOSED OF OFFSITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMITS REQUIRED TO HAUL OR DISPOSE OF WASTE PRODUCTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE WASTE DISPOSAL SITE COMPLIES WITH GOVERNMENT REGULATIONS REGARDING THE ENVIRONMENT, ENDANGERED SPECIES, AND ARCHAEOLOGICAL RESOURCES. THIS WORK IS CONSIDERED AS INCLUDED IN ITEM 603281 SWPPP PLAN PREPARATION AND MAINTENANCE, AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
10.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP AND REPORTING OF SPILLS OF HAZARDOUS MATERIALS ASSOCIATED WITH THE CONSTRUCTION SITE. HAZARDOUS MATERIALS INCLUDE GASOLINE, DIESEL FUEL, MOTOR OIL, SOLVENTS, CHEMICALS, PAINTS, ETC THAT MAY BE A THREAT TO THE ENVIRONMENT. THE CONTRACTOR SHALL REPORT THE DISCOVERY OF PAST OR PRESENT SPILLS TO THE NEW MEXICO ENVIRONMENT DEPARTMENT EMERGENCY RESPONSE TEAM AT (505) 827-9329.
11.

THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING SURFACE AND UNDERGROUND WATER. CONTACT WITH SURFACE WATER BY CONSTRUCTION EQUIPMENT AND PERSONNEL SHALL BE MINIMIZED. EQUIPMENT MAINTENANCE AND REFUELING OPERATIONS SHALL BE PERFORMED IN AN ENVIRONMENTALLY SAFE MANNER IN COMPLIANCE WITH GOVERNMENT REGULATIONS.
12.

WHERE STORM INLETS ARE SUSCEPTIBLE TO INFLOW OF SILT OR DEBRIS FROM CONSTRUCTION ACTIVITIES, PROTECTION SHALL BE PROVIDED ON THEIR UPSTREAM SIDE UTILIZING BMPS ACCORDING TO NPDES REQUIREMENTS. ALL COSTS FOR THESE REQUIREMENTS ARE CONSIDERED AS INCLUDED IN ITEM 603281 SWPPP PLAN PREPARATION AND MAINTENANCE, AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
13.

STORM WATER POLLUTION PREVENTION PLANS (SWPPP) AND ACCOMPANYING FEDERAL EPA ADMINISTRATIVE PROCEDURES SHALL MEET THE CITY OF RIO RANCHO GUIDELINES AND PROCEDURES OUTLINED IN THE CURRENT EDITION OF THE NMDOT NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM MANUAL - STORM WATER MANAGEMENT GUIDELINES FOR CONSTRUCTION, M54, AND INDUSTRIAL ACTIVITIES.

EROSION CONTROL / ENVIRONMENTAL PROTECTION / STORMWATER POLLUTION PREVENTION PLAN (CONTINUED)

14.

THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS FOR CLEANING TRUCKS AND/OR OTHER EQUIPMENT OF MUD BEFORE ENTERING PUBLIC STREETS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN STREETS AND TAKE WHATEVER MEASURES ARE NECESSARY TO ENSURE THAT ALL ROADS ARE MAINTAINED IN A CLEAN, MUD AND DUST-FREE CONDITION AT ALL TIMES.
15.

NO WORK MAY BEGIN IN AN ARROYO OR OTHER DRAINAGE WAY UNTIL AUTHORIZATION HAS BEEN PROVIDED BY SOUTHERN SANDOVAL COUNTY ARROYO FLOOD CONTROL AUTHORITY (SSCAFCA) AND/OR THE CITY OF RIO RANCHO FLOOD PLAIN MANAGER.

SOILS

1.

UNLESS OTHERWISE SPECIFIED SUBGRADE SOILS AND STRUCTURAL FILL MATERIALS SHALL BE COMPACTED TO THE FOLLOWING PERCENTAGES OF THE ASTM D-1557 MAXIMUM DENSITY.
- | MATERIALS | PERCENT (%)
COMPACTION |
|--|---------------------------|
| STRUCTURAL FILL IN THE BUILDING AREA | 95 |
| SUB BASE FOR SLAB SUPPORT | 95 |
| MISCELLANEOUS BACKFILL BELOW STRUCTURAL FILL OR ROAD | 95 |
| MISCELLANEOUS BACKFILL BELOW UNPAVED, NON-BUILDING AREAS | 90 |
| ROAD SUB GRADE | 95 |
| SIDEWALK / TRAIL SUB GRADE | 95 |
| CURB AND GUTTER SUBGRADE | 95 |
2.

AT ALL FINAL GRADES, WITH THE EXCEPTION OF AREAS WITH IMPROVEMENTS, SHALL BE DISKED OR RIPPED TO A DEPTH OF 12" TO FACILITATE PLANT GROWTH.

UTILITY COMPANY CONTACTS

CITY OF RIO RANCHO

DAVID SERRANO, PE
(505) 891-5059
dserrano@rnnm.gov

NM GAS

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PNM

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SPARKLIGHT

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UPN FIBER

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ZAYO FIBER

STEVE LITTLE
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303-809-7696

COMCAST

ABEL BAZAN
ABEL_BAZAN@COMCAST.COM
M: 505-975-7903
O: 505-271-3640

ABBREVIATIONS

AP	ANALYSIS POINT
@	AT
BC	BEGIN CURVE
BCR	BEGIN CURB RETURN
BK	BOOK
BLDG	BUILDING
BM	BENCH MARK
BOA	BEGINNING OF ALIGNMENT
BOP	BEGINNING OF PROJECT
BVC	BEGIN VERTICAL CURVE
BW	BASE OF WALL
CATV	CABLE TV LINE
CB	CATCH BASIN
CF	CURB FACE
CFS	CUBIC FEET PER SECOND
CG	CURB AND GUTTER
CLF	CHAIN LINK FENCE
¢	CENTERLINE
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
CONC	CONCRETE
CORR	CITY OF RIO RANCHO
CY	CUBIC YARDS
DUE	DRAINAGE UTILITY EASEMENT
DI	DROP INLET
DIA	DIAMETER
Δ	DELTA
EA	EACH
EC	END CURVE
ECR	END CURB RETURN
ELEV	ELEVATION
EOA	END OF ALIGNMENT
EOP	END OF PROJECT
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EST	ESTIMATE
EVC	END VERTICAL CURVE
EW	EACH WAY
EXIST	EXISTING
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FOC	FACE OF CURB
FP	FINISHED PAD
FPS	FEET PER SECOND
G	GAS
GM	GAS METER
GV	GATE VALVE
HORIZ	HORIZONTAL
INT	INTERSECTION
INV	INVERT
INV EL	INVERT ELEVATION
LF	LINEAR FEET
LP	LIGHT POLE
LT	LEFT
MH	MANHOLE
MID	MID-POINT
NG	NATURAL GROUND
OC	ON CENTER
OHE	OVER HEAD ELECTRIC
PB	PULL BOX
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PG	PAGE
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
¢	PROPERTY LINE
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE PIPE
PVMT	PAVEMENT
Q	100 YEAR PEAK DISCHARGE
QTY	QUANTITY
RAD	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REF	REFERENCE
RP	RADIUS POINT
RT	RIGHT
R/W,ROW	RIGHT-OF-WAY
S	SLOPE
SAS, SS	SANITARY SEWER LINE
SD	STORM DRAIN
SF	SQUARE FEET
STA	STATION
STD	STANDARD
SW	SIDEWALK
SY	SQUARE YARDS
T	TANGENT
TA	TOP OF ASPHALT
TAC	TOP OF ASPHALT CURB
TBC	TOP BACK OF CURB
TC	TOP OF CONCRETE
TEL	TELEPHONE LINE, RISER OR BOX
TP	TOP OF PIPE
TRANS	TRANSVERSE
TW	TOP OF WALL
TYP	TYPICAL
UE	UNDERGROUND ELECTRICAL LINE
UT	UNDERGROUND TELEPHONE LINE
V	VELOCITY
VC	VERTICAL CURVE
VERT	VERTICAL
VPI	VERTICAL POINT OF INTERSECTION
W	WATER LINE
WM	WATER METER
WQ	WATER QUALITY
WSEL	WATER SURFACE ELEVATION
WV	WATER VALVE



Southern Sandoval
County
Arroyo Flood Control
Authority

1041 Commercial Dr. S.E.
Rio Rancho, New Mexico 87124
505-892-RAIN (7246)
www.sscafca.org



SPORTSPLEX OUTFALL
IMPROVEMENTS

GENERAL NOTES

THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45
DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

REVISIONS & CHANGE NOTICES		
MARK	DESCRIPTION	DATE

PROJECT NO: MO_P0030-02

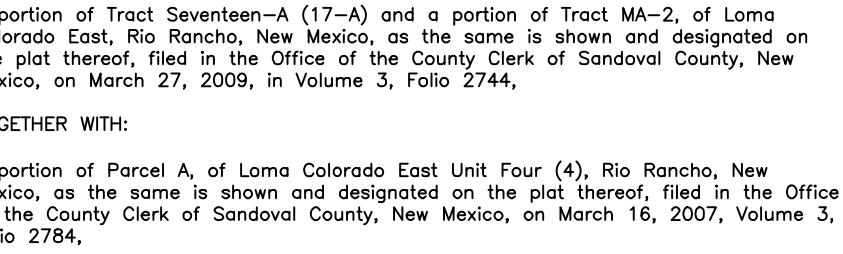
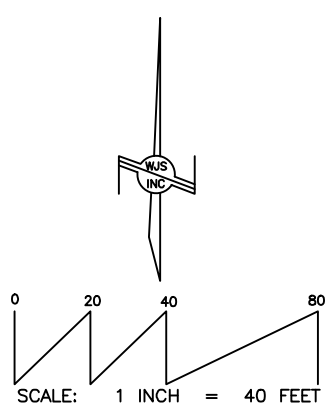
DESIGNED BY: AES

DRAWN BY: JDV

CHECKED BY: JN

DATE: 8/25/2026

Thursday, September 3, 2026 3:25:12 PM - Jamie Vigil
C:\Users\jvigil\OneDrive - Southern Sandoval County Arroyo Flood Control Authority\SSCAFCA_Project_Files\Montoya\MO_P0030-02\AutoCAD_SHEETS\3 SURVEY (FOR INFORMATION ONLY).dwg



GENERAL NOTES

no boundary survey was performed. All bearings and distances shown hereon are from the plot or warranty deed recorded.

data is provided in New Mexico State Plane Central Zone Ground Coordinates (NAD 83) and with Mean Sea Level Ground Elevations (NAVD 83).

Project Control was established using a GPS OPUS Solution at CP-1. The coordinates provided at CP-1 are NMSP Central Zone Grid (NAD 83), at ground elevation (NAVD 88). All other control points provided for in this survey are NMSP Central Zone Ground (NAD 83), with a ground elevation (NAVD 88). To determine grid coordinates on any point in this drawing, apply a scale factor of 0.9996783 with CP-1 as the point of origin. The contents of this drawing are at ground, tied to CP-1 grid coordinates. As reported.

▲ CP-1 (1/2" TIE2 REBAR) y=1,549,661.750 (GRID) x=1,516,611.340 (GRID) z=280.625 (NAVD 88) NMSP CENTRAL ZONE NAD 83	Ground-to-grid: 0.9996783 Mapping Angle: -00°14'21.85"
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It is hereby certified that this property is partially located within a 100 year flood hazard boundary in accordance with current HUD Federal Administration Flood Hazard Boundary Maps, Zone X (No Flood Hazard) & Zone AE (Base Elev. 5267' to 5298'). Panel 350146 1893 D, with an effective date of March 19, 2008.

Buried utility locations, as shown on this sketch, are per spot locations provided by Client. Inverts of utilities are field measured.

Casements, as shown herein, were scaled from the current plot of record, when no dimensions were provided. These are shown for approximate reference only and should not be relied upon for exact placement.

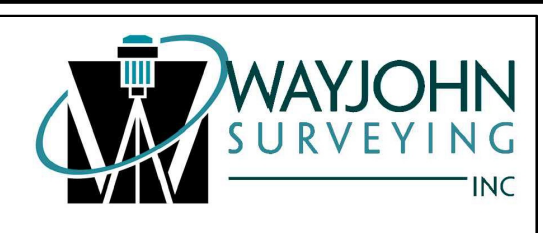
This is to certify that a topographic site survey on the above referenced property was performed by me or under my supervision and that the information contained herein is true and correct to the best of my belief and knowledge. This does not constitute a corner or boundary survey.



Thomas D. Johnston, PS 14269

4/9/2025

Date



1609 2nd Street, N.W., Albuquerque, NM 87102
Phone: (505) 255-2052 Fax: (505) 255-2887

ate of Survey: MARCH 2025 Job No.: EL-1-02-2025
raftsman: T R J Checked By: T D J
ate of Last Revision: 8/20/2025



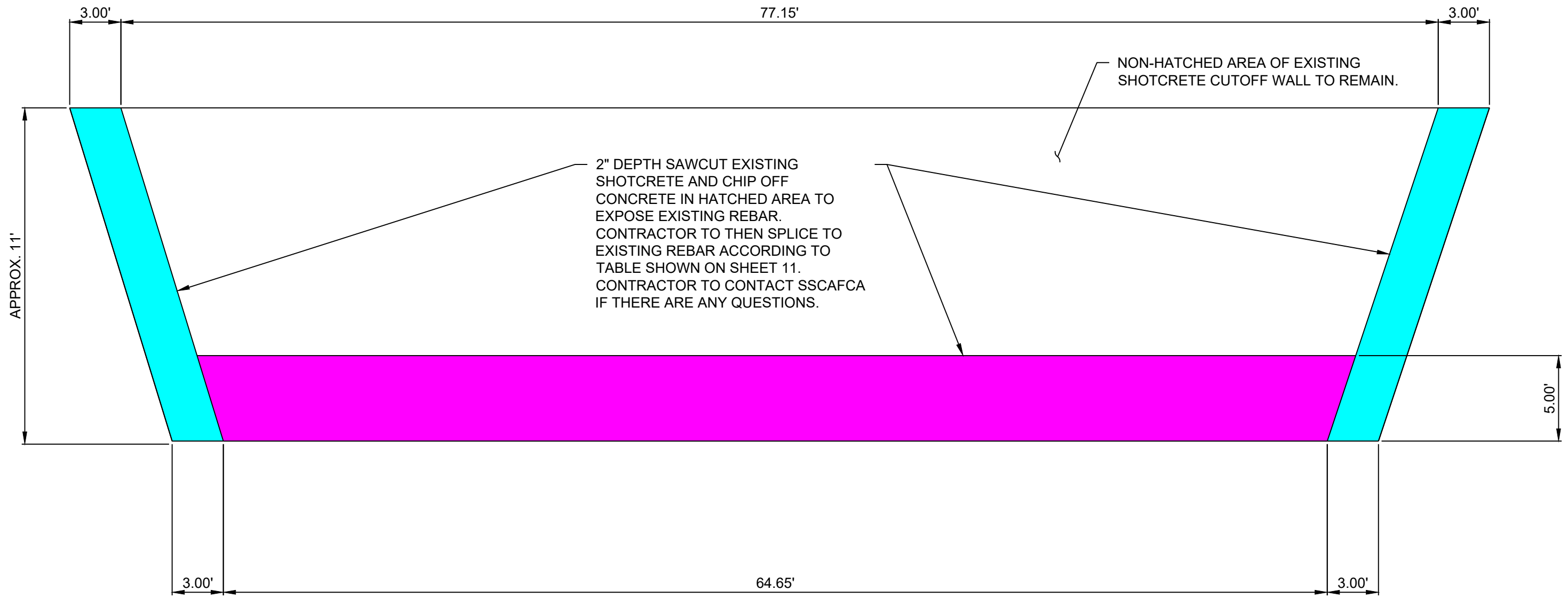
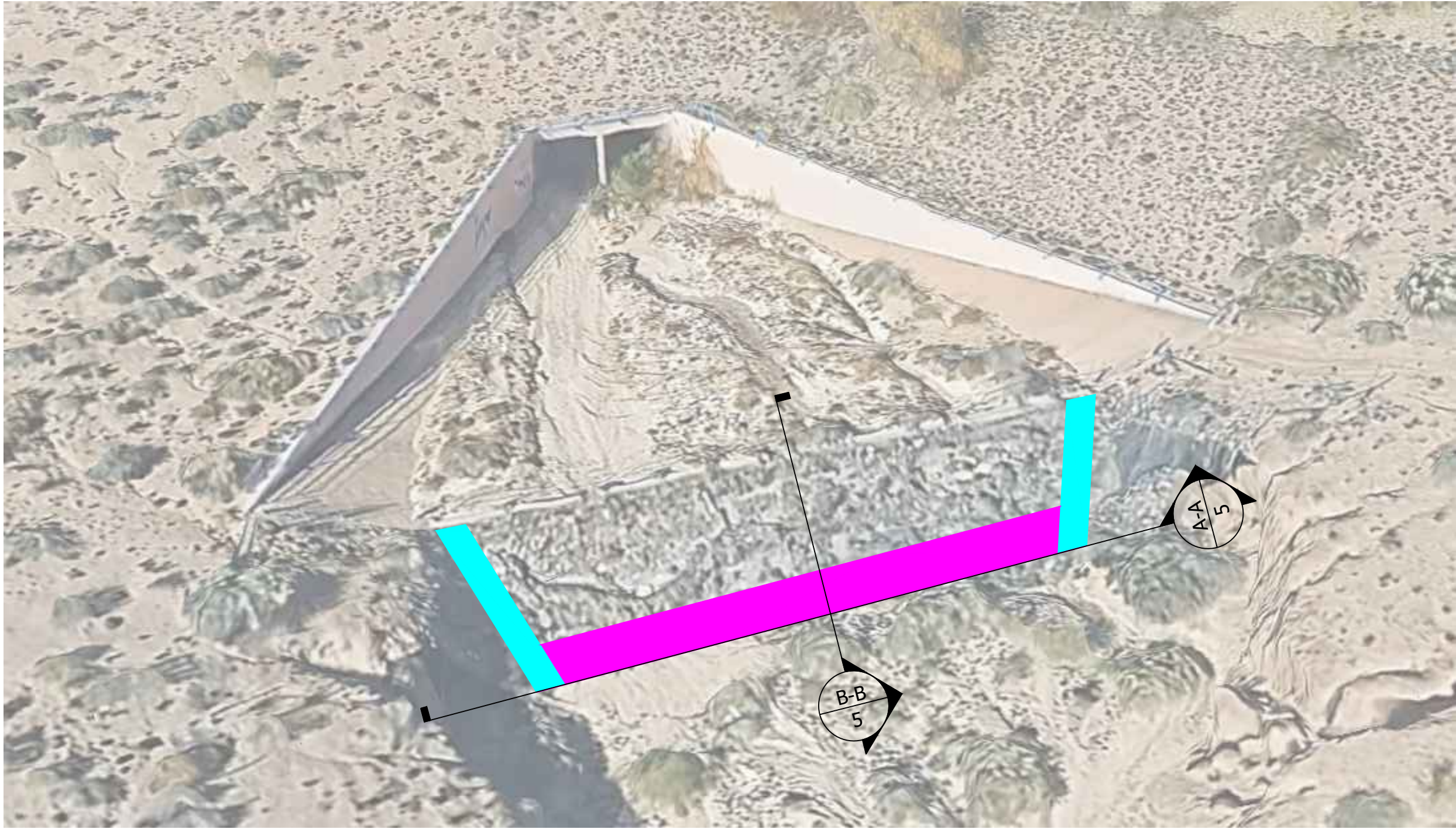
SPORTSPLEX OUTFALL IMPROVEMENTS

SURVEY (FOR INFORMATION ONLY)

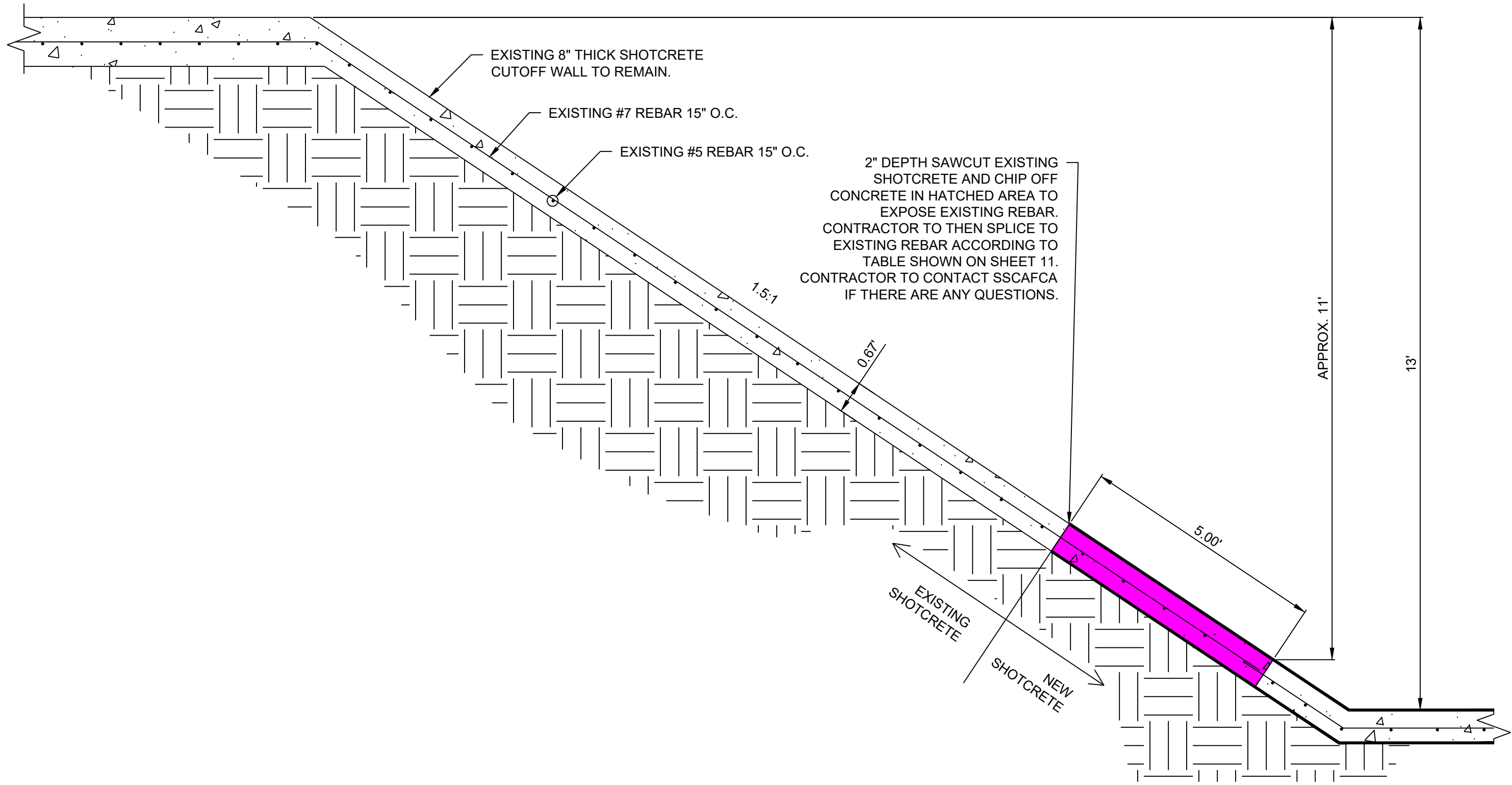
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

[illegible]

PROJECT NO: MO_P0030-02
DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JN
DATE: 8/25/2026



SECTION A-A
NTS



SECTION B-B
NTS

GENERAL NOTES:

1. CONTRACTOR SHALL EXERCISE EXTREME CARE WHEN SAWCUTTING AND CHIPPING CONCRETE ADJACENT TO EXISTING REINFORCEMENT. ANY EXISTING REBAR DESIGNATED TO REMAIN THAT IS DAMAGED, NICKED, OR CUT BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. REPAIR METHODS MUST BE APPROVED BY SSCAFCA PROJECT MANAGER.



**Southern Sandoval
County
Arroyo Flood Control
Authority**

1041 Commercial Dr. S.E.
Rio Rancho, New Mexico 87124
505-892-RAIN (7246)
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SPORTSPLEX OUTFALL
IMPROVEMENTS

EXISTING SHOTCRETE REMOVALS

THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45
DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

REVISIONS &
CHANGE NOTICES

MARK	DESCRIPTION	DATE

PROJECT NO: MO_P0030-02
DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JN
DATE: 8/25/2026

Thursday, September 3, 2026 3:25:31 PM - James Vigil
C:\Users\jvigil\OneDrive\Documents\Southern Sandoval County Arroyo Flood Control Authority\SSCAFCA Project Files\Monitor\MO_P0030-02 AutoCAD Sheets\6. SURFACING PLAN.dwg



- 6" BASE COURSE
- 4"-8" FRACTURED FACE ROCK
- SEEDING
- SHOTCRETE
- DUMPED RIPRAP TYPE L
- GABION MATTRESS
- WIRE ENCLOSED RIPRAP



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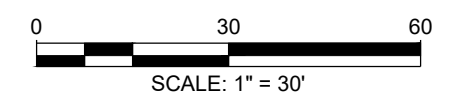
SPORTSPLEX OUTFALL
IMPROVEMENTS

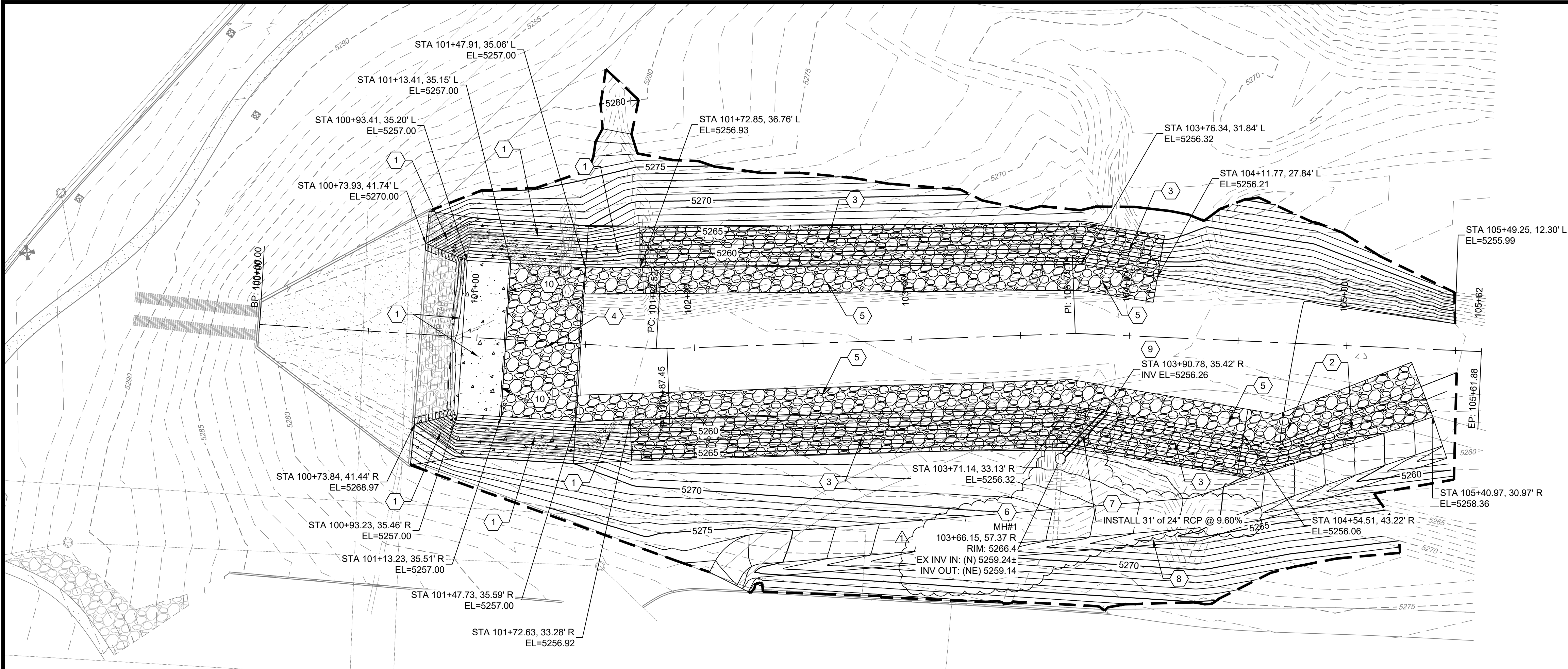
SURFACING PLAN

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DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

REVISIONS & CHANGE NOTICES		
MARK	DESCRIPTION	DATE

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- KEYED NOTES:**
1. CONSTRUCT 8" SHOTCRETE $f_c=4000$ psi. SEE DETAIL ON SHEET 10. CONNECT CONCRETE TO WIRE ENCLOSED RIPRAP WITH J-HOOKS. SEE DETAIL ON SHEET 11.
 2. INSTALL DUMPED RIPRAP TYPE L. THICKNESS = 18". INCLUDES 12" SUBGRADE PREP AND INSTALLATION OF NON-WOVEN GEOTEXTILE: MIRAFI 140N OR APPROVED EQUAL.
 3. CONSTRUCT WIRE ENCLOSED RIP RAP CLASS A SLOPE PROTECTION. (2:1 SIDE SLOPE - 9.5 FT HIGH)SEE DETAIL ON SHEET 16.
 4. CONSTRUCT WIRE ENCLOSED RIP RAP CLASS A. SEE DETAIL ON SHEET 16.
 5. CONSTRUCT 12" GABION MATTRESS. SEE SHEET 10.
 6. CONSTRUCT 4' $\varnothing$ MANHOLE. SEE DETAIL ON SHEET 12.
 7. INSTALL 24" $\varnothing$ RCP. SEE DETAIL ON SHEET 12.
 8. CONSTRUCT ROCK SWALE. SEE DETAIL ON SHEET 10.
 9. CONSTRUCT NMDOT PIPE CONCRETE BLANKET. SEE SHEETS 14 AND 15 FOR DETAILS.
 10. CONSTRUCT CUT OFF WALL. SEE SHEET 10 FOR DETAIL.



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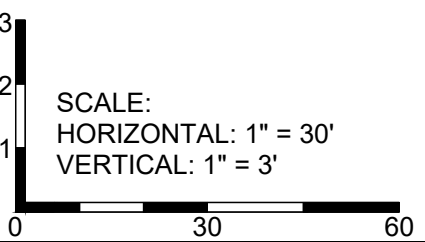
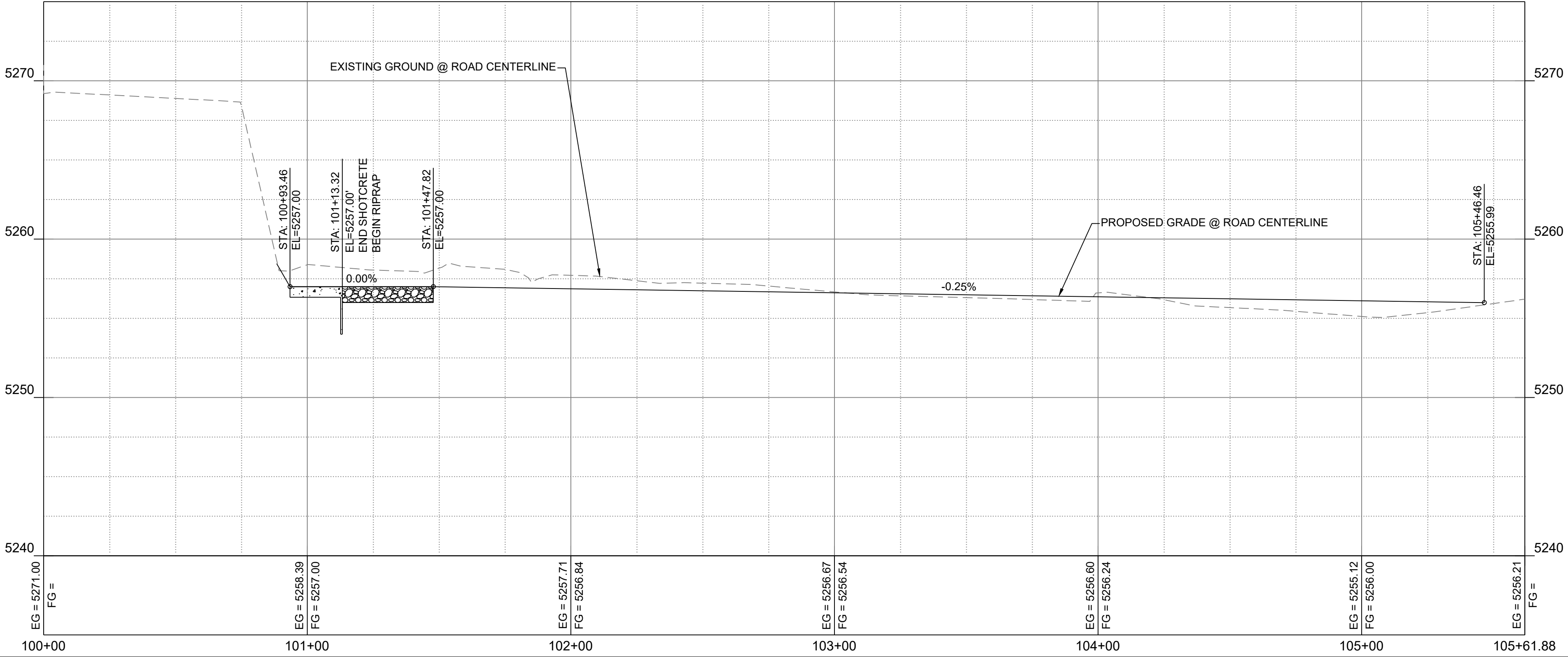


SPORTSPLEX OUTFALL
IMPROVEMENTS

CHANNEL PLAN AND PROFILE

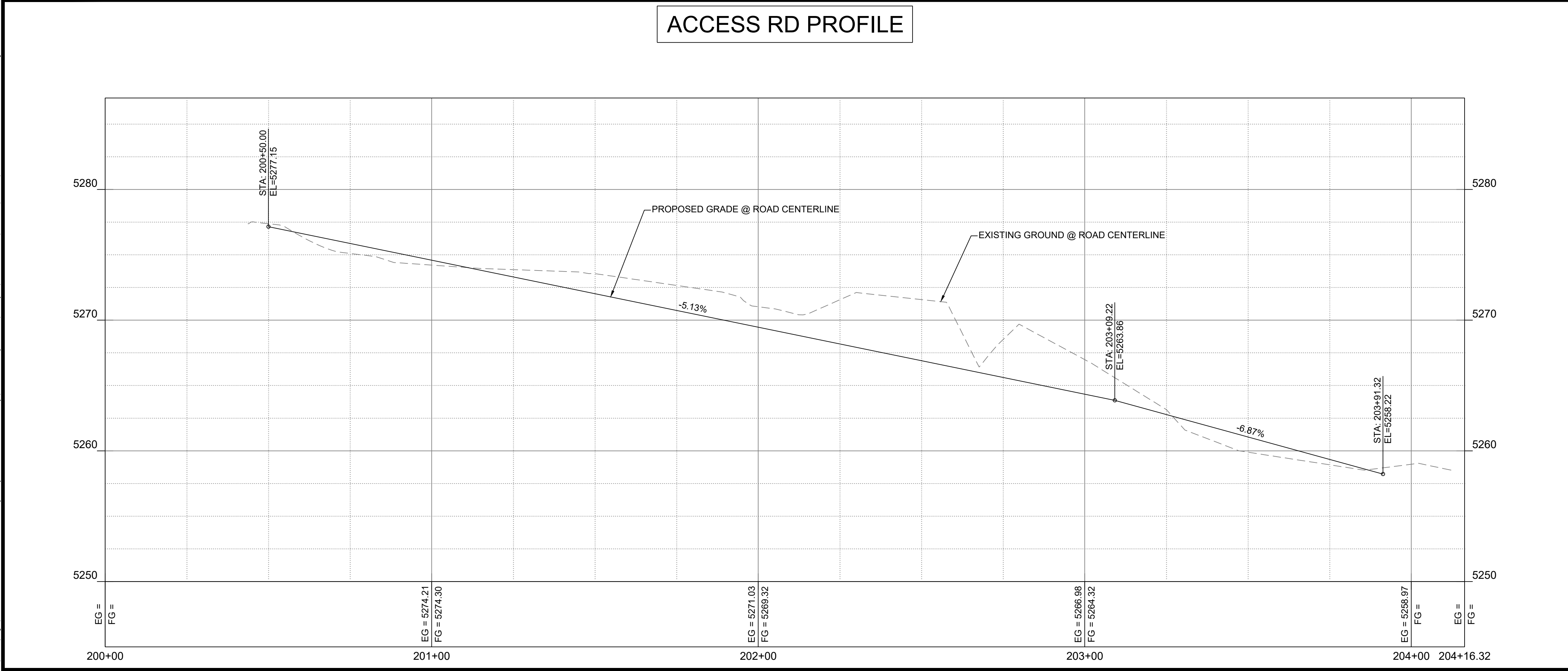
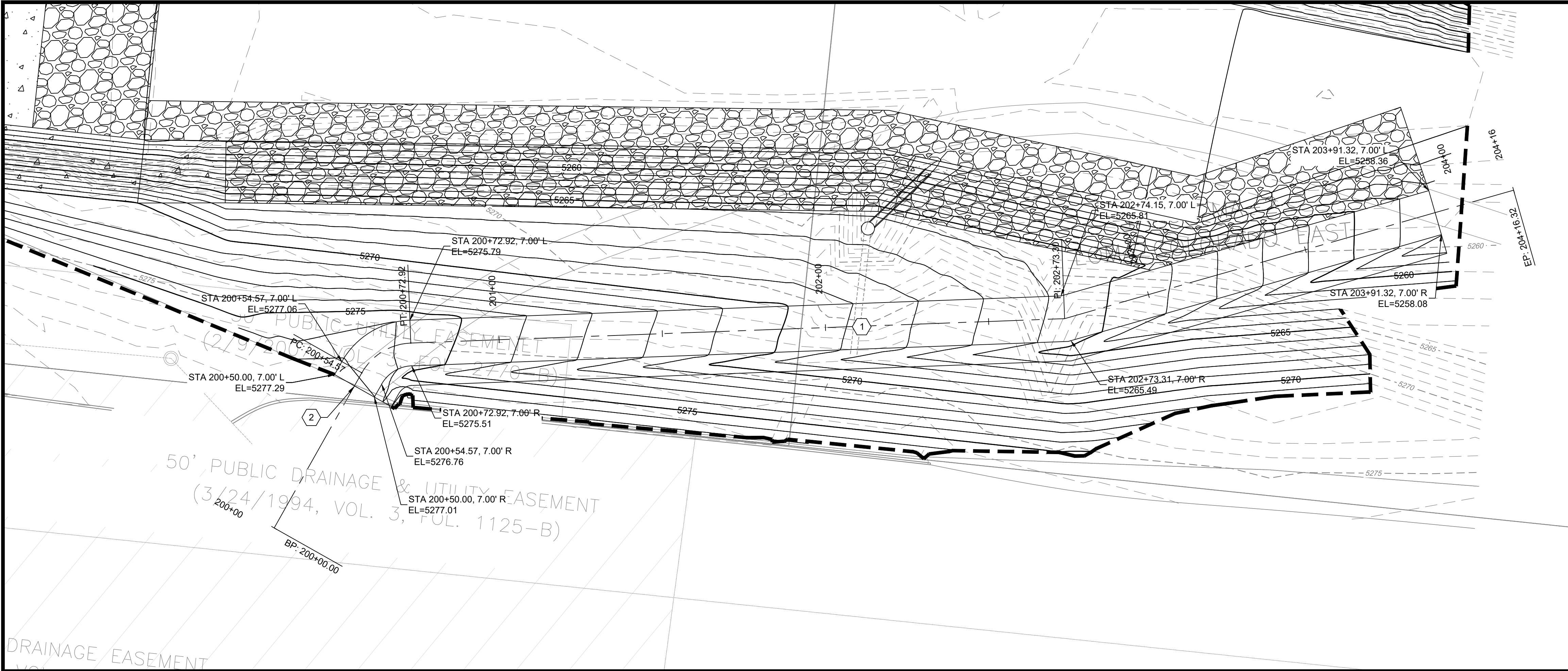
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45
DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

SPORTSPLEX CL PROFILE



REVISIONS & CHANGE NOTICES		
MARK	DESCRIPTION	DATE
1	REVISED ITEM SIZES	9-1-26

PROJECT NO: MO_P0030-02
DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JN
DATE: 8/25/2026



KEYED NOTES:

1. CONSTRUCT 14' WIDE MAINTENANCE ACCESS ROAD. SEE DETAIL ON SHEET 18.
2. INSTALL STANDARD TUBULAR GATE WITH METAL GATE POSTS. CONFIRM SWING DIRECTION WITH SSCAFCA PROJECT MANAGER. NMDOT 607-10-1/2 & 2/2 GATE OPENING: 16'. SEE DETAIL SHEET 13. PLACE SSCAFCA FACILITY SIGN ON GATE. SEE DETAIL ON SHEET 17.



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SPORTSPLEX OUTFALL IMPROVEMENTS

ACCESS RD PLAN AND PROFILE

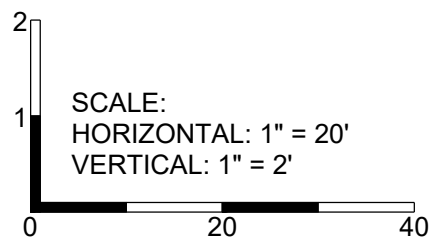
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

REVISIONS & CHANGE NOTICES

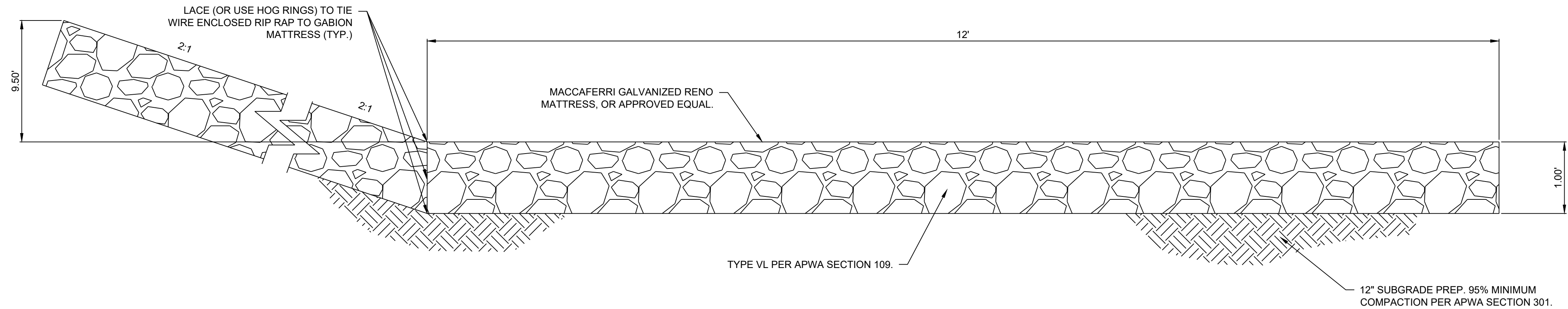
MARK	DESCRIPTION	DATE

PROJECT NO: MO_P0030-02
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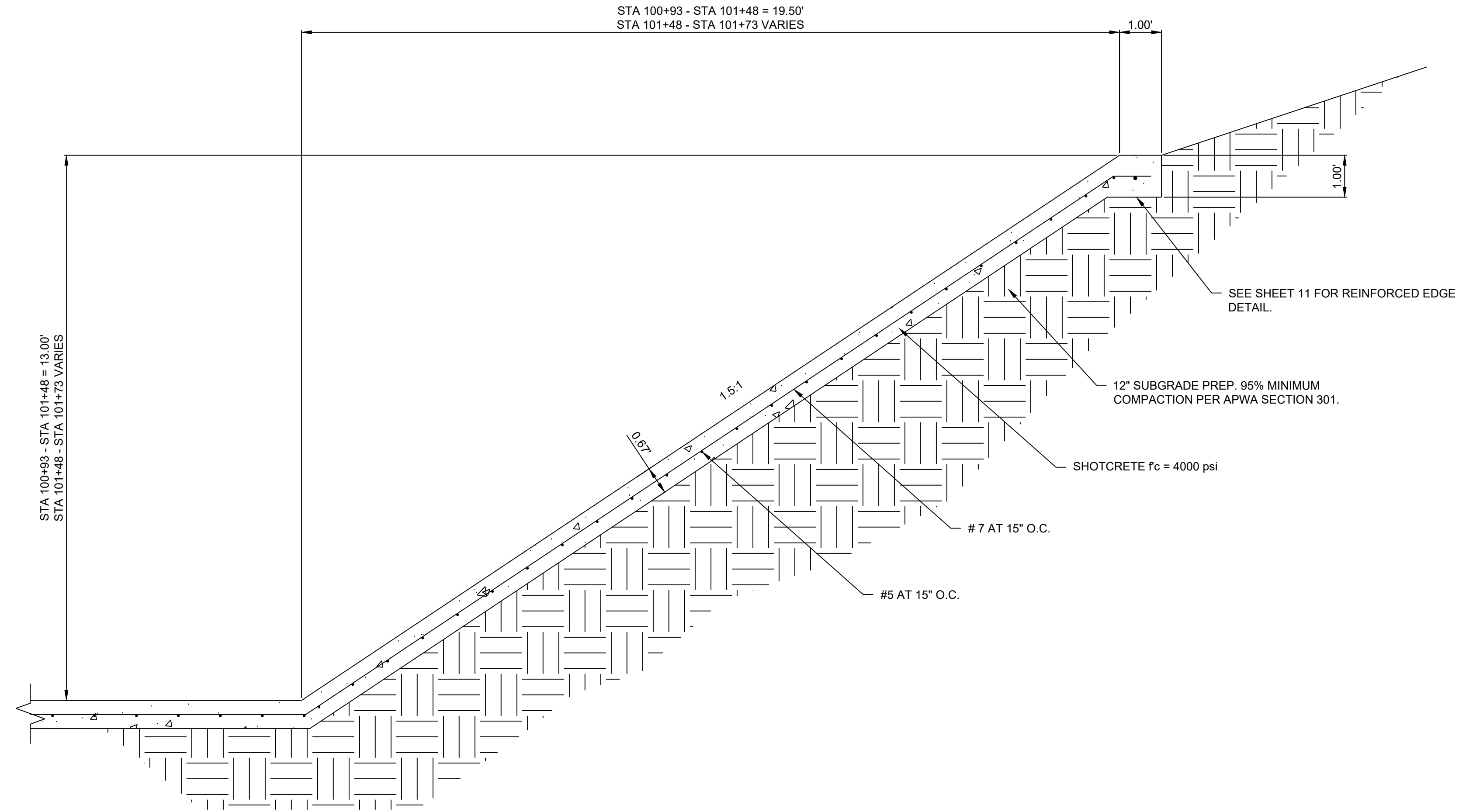
9



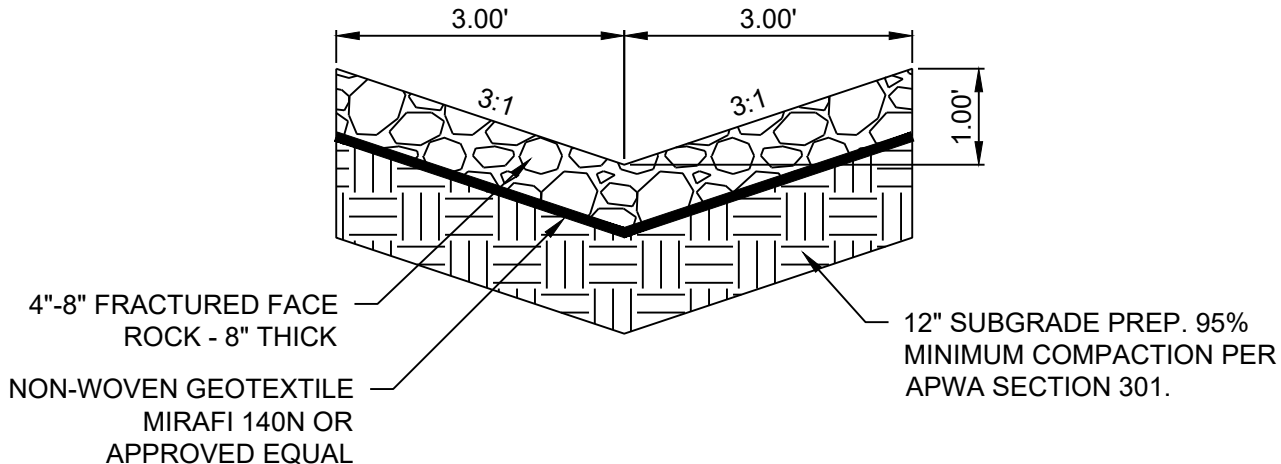
Thursday, September 3, 2026 3:26:53 PM - Jemie Vigil
C:\Users\jvigil\OneDrive\Documents\Southern Sandoval County Arroyo Flood Control Authority\SSCAFCA_Project_Files\Monitors\MO_P0030-02\AutoCAD\Sheets\10 DETAILS.dwg



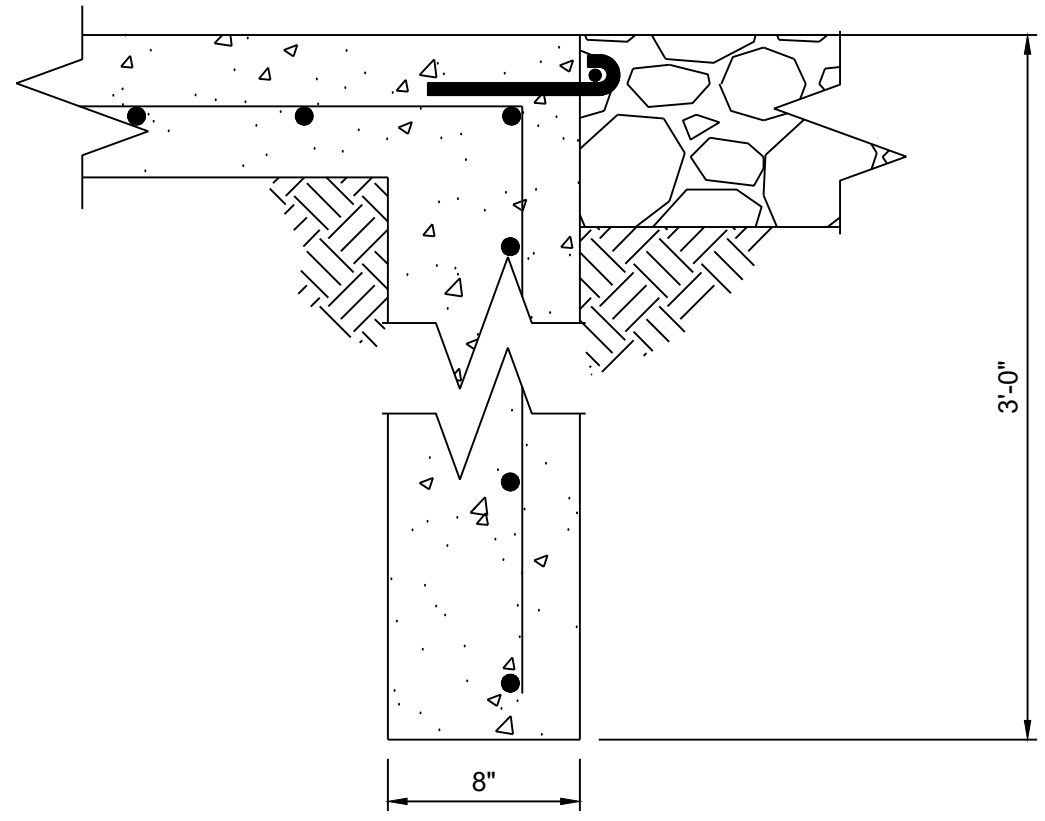
GABION MATRESS
NTS



SHOTCRETE BANK PROTECTION
NTS



ROCK SWALE
NTS



CUT OFF WALL DETAIL



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SPORTSPLEX OUTFALL
IMPROVEMENTS

DETAILS

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REVISIONS & CHANGE NOTICES		
MARK	DESCRIPTION	DATE

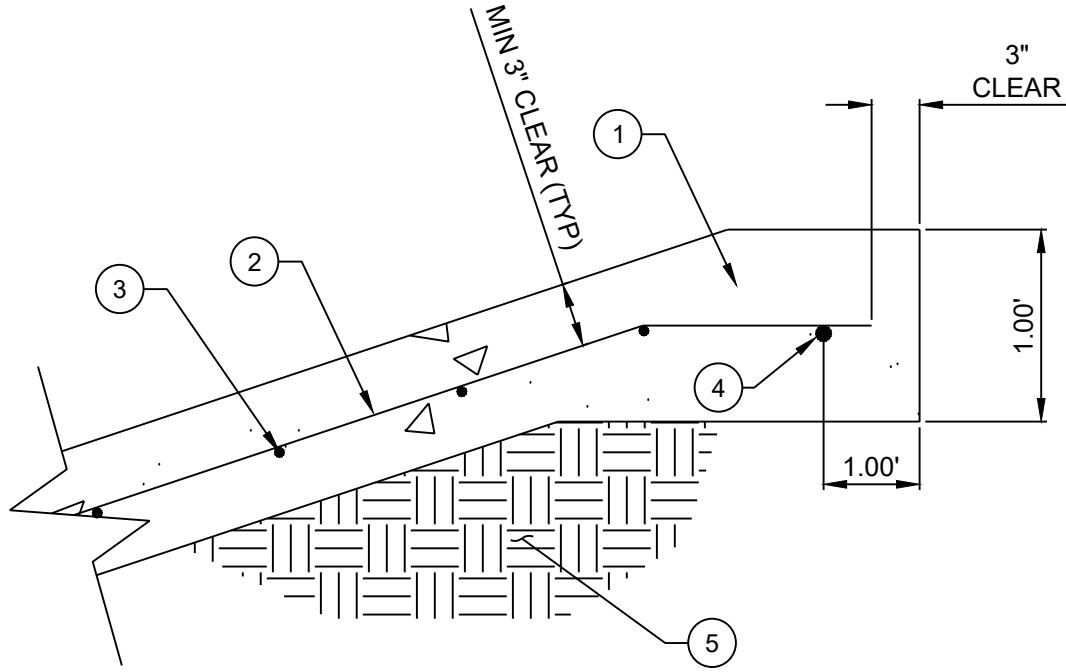
PROJECT NO: MO_P0030-02
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Thursday, September 3, 2026 3:26:06 PM - Jemie Vigil - Southern Sandoval County Arroyo Flood Control Authority\SSCAFCA_Project_Files\Monitors\MO_P0030-02_ArroyoFloodControl\DETAILS\11_DETAILS.dwg

LAP SPLICE LENGTHS (IN.)						
BAR SIZE	LENGTHS (IN.)					
	3000 PSI		4000 PSI		5000 PSI	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	28	21	24	18	22	17
#4	37	28	32	25	29	22
#5	46	36	40	31	36	28
#6	56	43	48	37	43	33
#7	81	62	70	54	63	48
#8	93	71	80	62	72	55
#9	104	80	90	70	81	62
#10	118	90	102	78	91	70
#11	131	100	113	87	101	78

KEYED NOTES:

- TABULATED VALUES ARE BASED ON GRADE 60 UNCOATED REINFORCING BARS, NORMAL WEIGHT CONCRETE AND MIN. COVER OF db WITH MIN. CLEAR SPACING OF 2db .
- TENSION LAP SPLICES ARE CALCULATED PER ACI 318 SECTIONS 12.2 AND 12.15.
- TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
- FOR GRADE 40 REINFORCING BARS MULTIPLY THE TABULATED VALUES BY 0.67 (12" MIN. LAP).
- FOR LIGHT WEIGHT CONCRETE MULTIPLY THE TABULATED VALUES BY 1.3.
- ALL LAP SPLICES ARE CLASS B SPLICES PER ACI 318 SECTION 12.15.

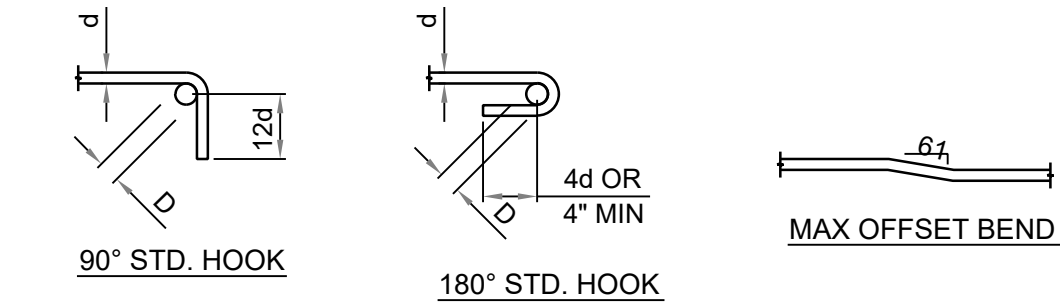


THICKENED EDGE REINFORCEMENT DETAIL
NTS

KEYED NOTES:

- STRUCTURAL CONCRETE, $f_c=4000$ psi APWA 101.
- #7 AT 15" O.C.
- #5 AT 15" O.C.
- #8 CONT.
- 12" SUBGRADE PREP. 95% MINIMUM COMPACTION PER APWA SECTION 301.

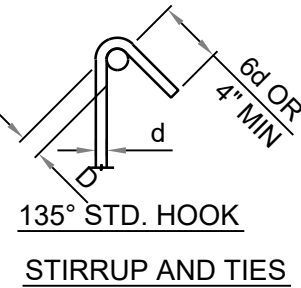
LAP-SPLICE SCHEDULE FOR CONCRETE REINFORCING
NTS



D=6d FOR #3 TO #8
D=8d FOR #9 TO #11
D=12d FOR #14 AND #18

PRINCIPAL REINFORCING

MIN. D=1 1/2" FOR #3
MIN. D=2" FOR #4
MIN. D=2 1/2" FOR #5
MIN. D=4 1/2" FOR #6
MIN. D=5 1/4" FOR #7
MIN. D=6" FOR #8

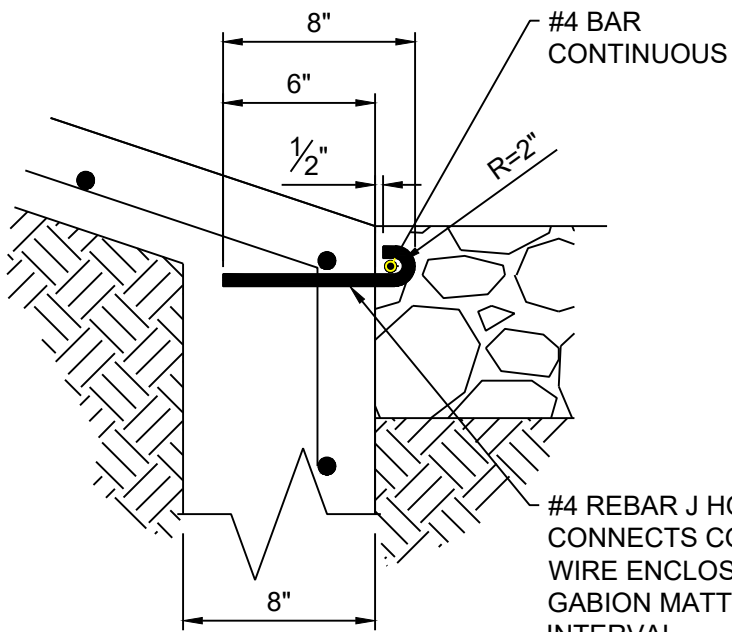


STIRRUP AND TIES

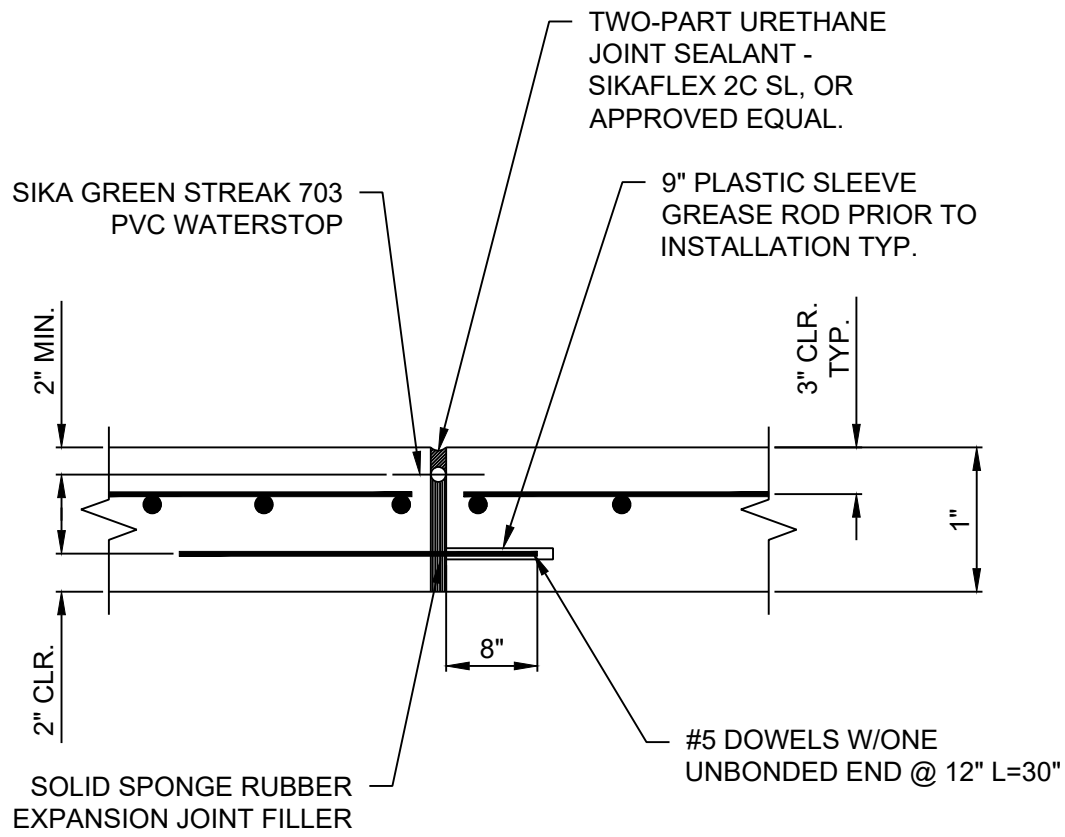
TYPICAL BAR BENDS
NTS

NOTE:

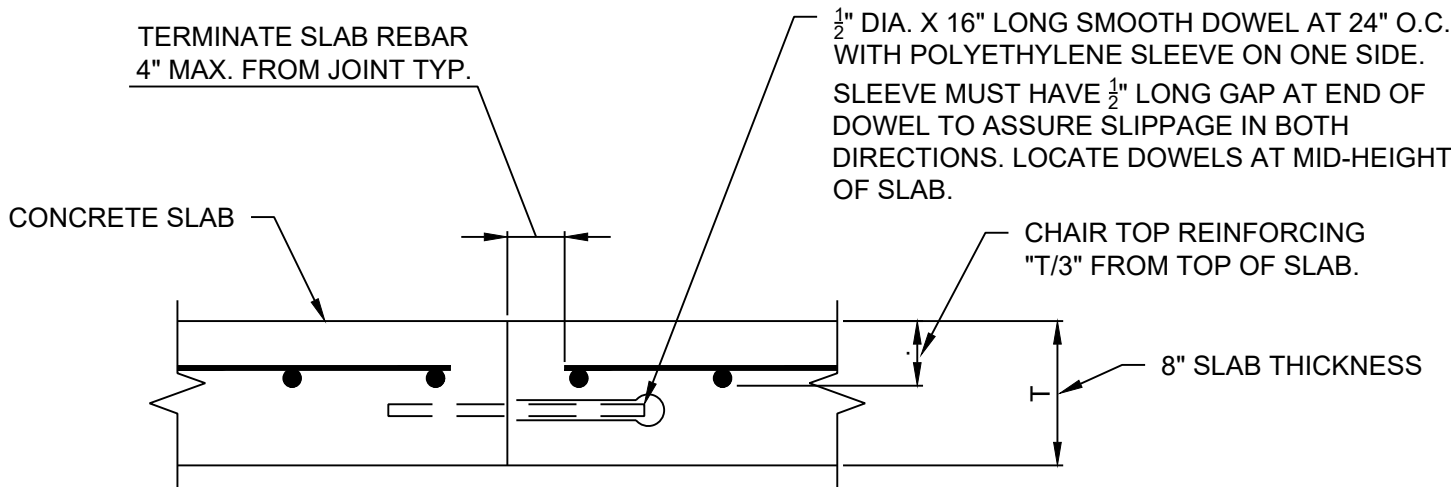
- A.ALL BENDS SHALL BE MADE COLD.
- B.#14 AND #18 BARS SHALL BE BEND TESTED AND LAB APPROVED PRIOR TO BENDING.



REBAR J HOOK DETAIL

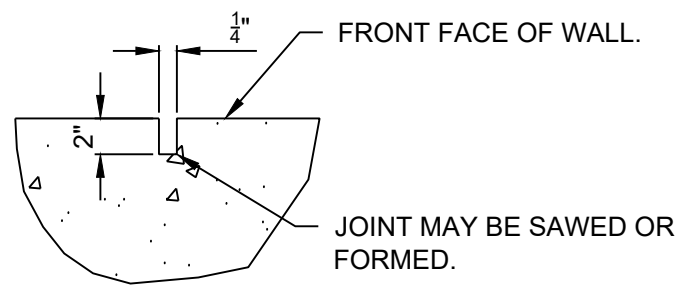


EXPANSION JOINT DETAIL
NTS



DOWELED JOINT DETAIL (DJ)
NTS

CONTRACTOR TO SUBMIT CONTROL JOINT PLAN FOR SSCAFCA APPROVAL.



CONTROL JOINT DETAIL
NTS



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SPORTSPLEX OUTFALL
IMPROVEMENTS

DETAILS

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REVISIONS & CHANGE NOTICES		
MARK	DESCRIPTION	DATE

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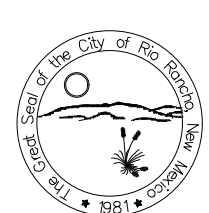
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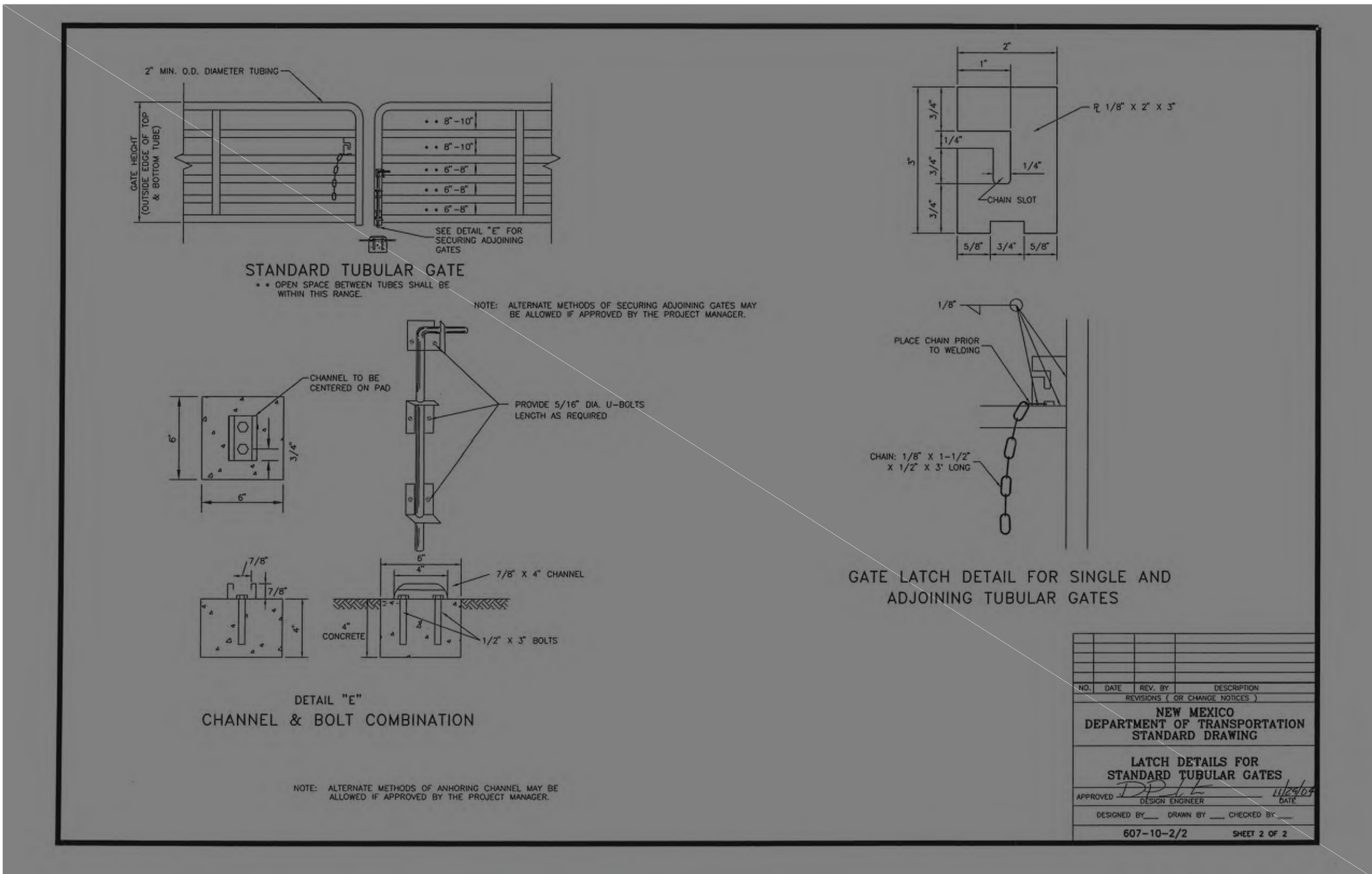
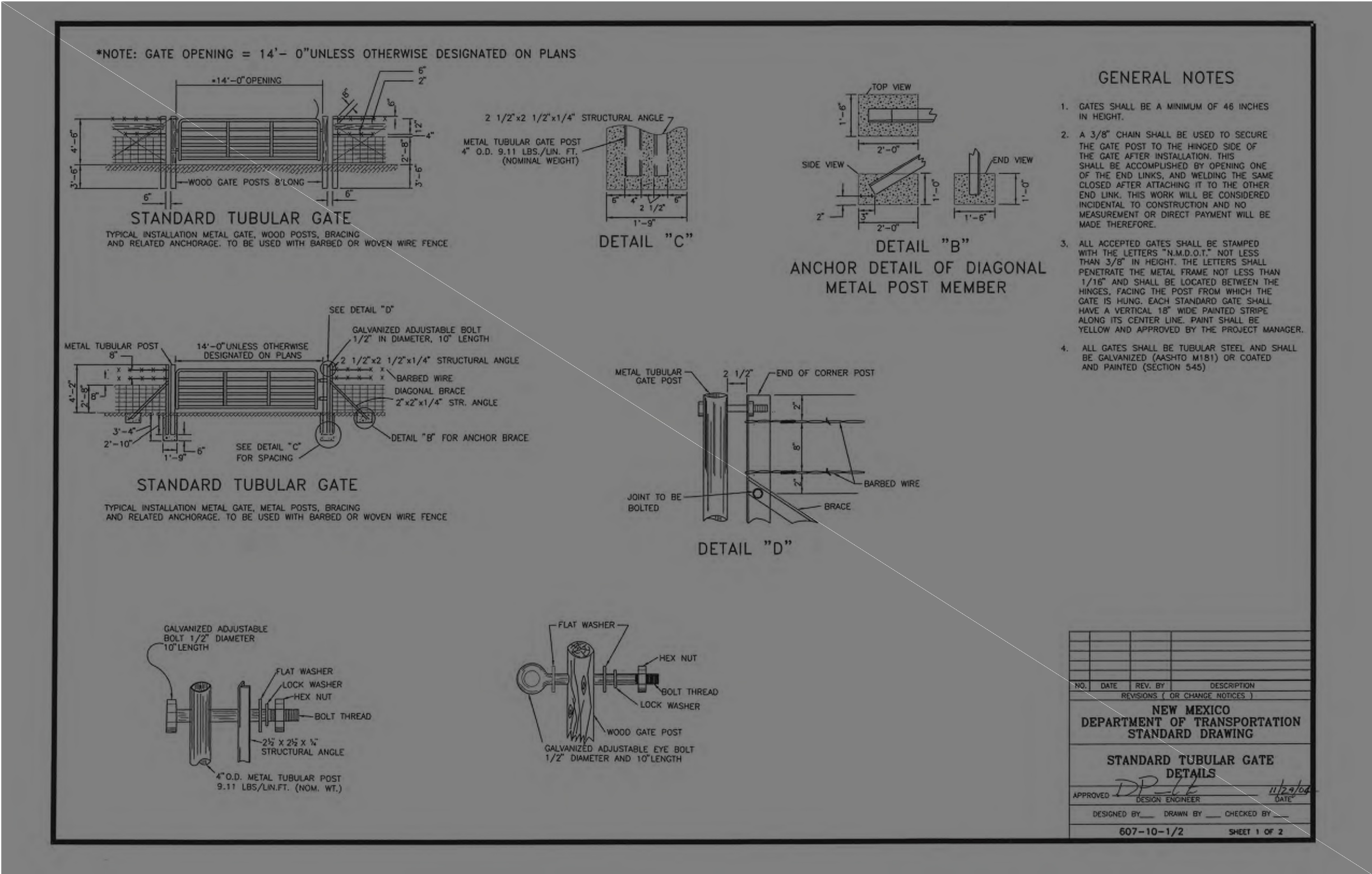
PROJECT NO: MO_P0030-02
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CHECKED BY: JN
DATE: 8/25/2026

SHEET 12 OF 18



DWG. NO. S-04

APRIL 22, 2016



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**SPORTSPLEX OUTFALL
IMPROVEMENTS**

NMDOT GATE DETAILS

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**REVISIONS &
CHANGE NOTICES**

MARK	DESCRIPTION	DATE

PROJECT NO: MO_P0030-02
DESIGNED BY: AES
DRAWN BY: JNV
CHECKED BY: JN
DATE: 8/25/2026

1. WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE NEW MEXICO DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION CURRENT EDITION.
2. CONCRETE SHALL CONFORM TO SECTION 511 - CONCRETE STRUCTURES. CONCRETE SHALL BE CLASS A. APPLY PENETRATING WATER REPELLENT PER SECTION 532.
3. REINFORCING STEEL (REBAR) SHALL CONFORM TO SECTION 540 - STEEL REINFORCEMENT. REINFORCE CONCRETE BLANKETS WITH ONE (1) LAYER OF WELDED WIRE FABRIC. PLACE FABRIC IN THE CENTER OF THE CONCRETE BLANKET AND EXTEND INTO CUT-OFF WALL FULL DEPTH.
4. THE HIGH DENSITY POLYETHYLENE PIPE (HDPE) SHALL BE ANCHORED TO THE BLANKET WITH A DOUBLE-NUTTED THREADED ROD. FOR SPACING AND LOCATION, SEE "ANCHOR LOCATION TABLE." BOLTS AND NUTS SHALL BE ZINC COATED.
5. INSTALL SWELLABLE HYDROPHILIC WATERSTOP AT THE PIPE TO BLANKET INTERFACE IN ACCORDANCE WITH SECTION 511.
6. FOR D, ES, AND ϕ SEE ROADWAY DRAWINGS. WHEN EMBANKMENT SLOPE (ES) AT A STRUCTURE DIFFERS FROM THE ORDINARY ROADWAY EMBANKMENT SLOPE, THE CONTRACTOR WILL BE REQUIRED TO TRANSITION SLOPE AS SHOWN ON STANDARD DRAWING 511-13A-3/3 "TYPICAL CONCRETE BLANKET DETAILS."
7. FOR T, L, AND E DIMENSIONS SEE TABLES BELOW.

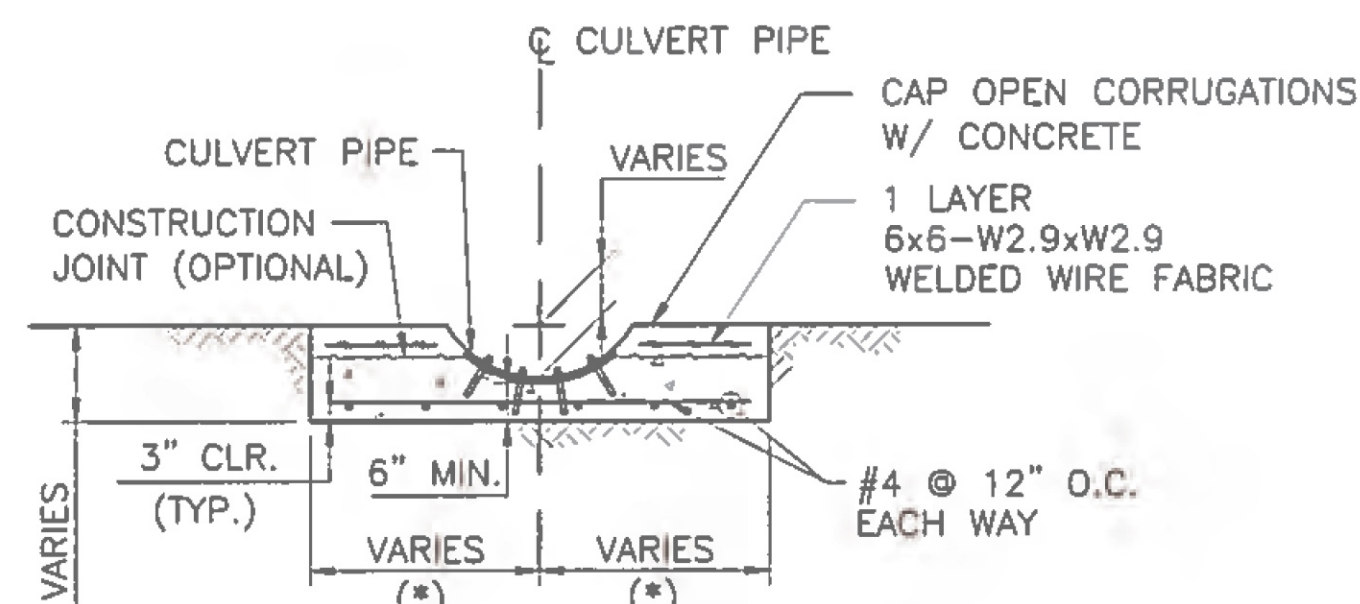
Φ (°)	E							
	T = 6"		T = 10"		T = 15"		T = 18"	
	ES=4:1	ES=6:1	ES=4:1	ES=6:1	ES=4:1	ES=6:1	ES=4:1	ES=6:1
0	2'-8"	4'-4"	4'-0"	6'-4"	5'-8"	8'-10"	6'-8"	10'-4"
5	2'-8"	4'-4"	4'-0"	6'-4"	5'-8"	8'-10"	6'-8"	10'-4"
10	2'-8"	4'-4"	4'-0"	6'-4"	5'-8"	8'-10"	6'-8"	10'-4"
15	2'-8"	4'-4"	4'-0"	6'-4"	5'-8"	8'-10"	6'-8"	10'-4"
20	2'-7"	4'-3"	3'-11"	6'-3"	5'-7"	8'-9"	6'-7"	10'-3"
25	2'-7"	4'-3"	3'-11"	6'-3"	5'-7"	8'-9"	6'-7"	10'-3"
30	2'-6"	4'-2"	3'-10"	6'-2"	5'-6"	8'-8"	6'-6"	10'-2"
35	2'-5"	4'-1"	3'-9"	6'-1"	5'-5"	8'-7"	6'-5"	10'-1"

8. FOR VOLUME OF CONCRETE, SEE TABLE BELOW. WEIGHT OF REINFORCING BARS, WELDED WIRE FABRIC, AND ANCHOR BOLTS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.

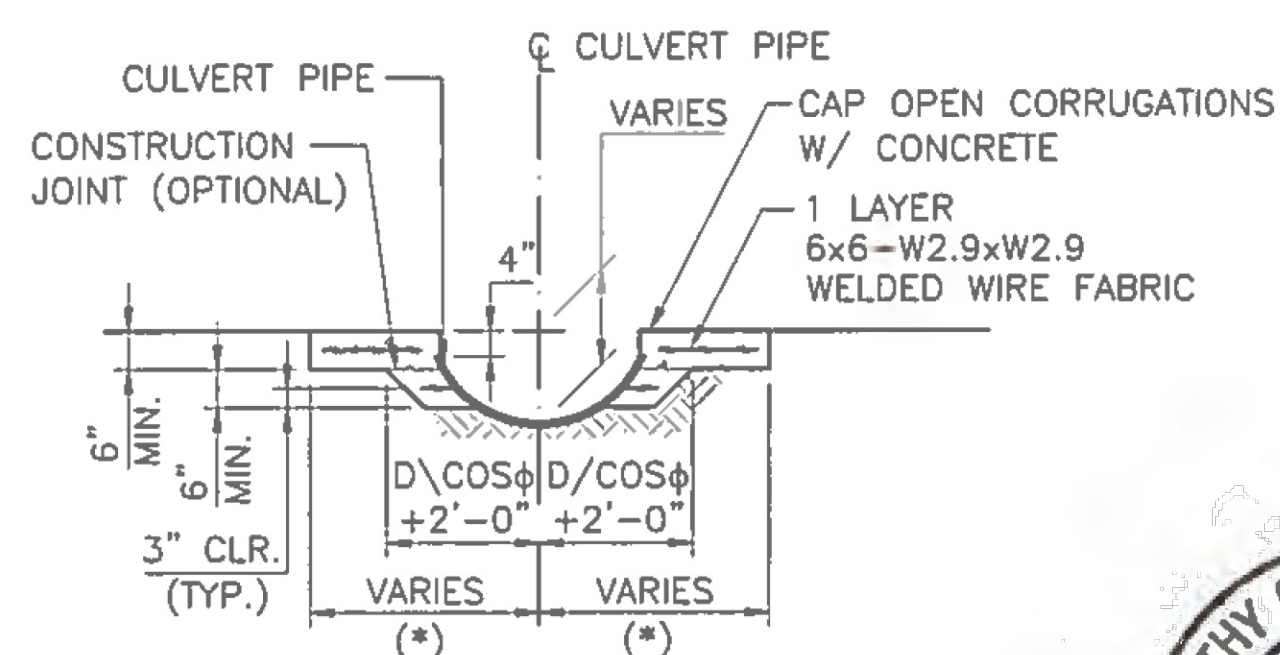
D (IN.)	CONCRETE QUANTITIES (CU.YDS.) - V ₁															
	0°		5°		10°		15°		20°		25°		30°		35°	
	ES:1		ES:1		ES:1		ES:1		ES:1		ES:1		ES:1		ES:1	
	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6
24	2.1	2.6	2.2	2.6	2.2	2.7	2.4	2.9	2.5	3.0	2.8	3.3	3.1	3.7	3.5	4.2
30	2.8	3.6	2.8	3.6	2.9	3.7	3.1	4.0	3.4	4.2	3.7	4.5	4.2	5.2	4.8	5.9
36	3.6	4.7	3.7	4.9	3.9	5.0	4.0	5.3	4.5	5.6	4.7	6.4	5.5	7.1	6.2	8.0
42	4.4	5.7	4.5	5.8	4.8	6.1	5.1	6.5	5.6	7.0	6.0	7.8	6.7	8.7	7.8	9.9
48	6.1	7.8	6.3	8.0	6.6	8.3	7.1	8.7	7.7	9.5	8.5	10.5	9.6	11.7	10.9	13.4
54	8.9	11.6	9.1	11.8	9.5	12.4	10.3	13.2	11.1	14.2	12.3	15.8	13.8	17.8	16.0	20.4
60	11.5	15.1	12.2	15.6	12.9	16.2	13.8	17.4	15.0	18.7	16.6	20.7	18.9	23.5	21.6	26.8

[illegible]

SECTION C-C



SECTION D-D



SECTION E-E

(*) SEE PLAN VIEW FOR NORMAL INSTALLATIONS
AND SKEWED INSTALLATIONS.



PIPE TO BE DOUBLE NUTTED TYP.

Diagram illustrating a double nutted pipe joint. The pipe is shown with a central section labeled "PIPE TO BE DOUBLE NUTTED TYP." The joint is secured by threaded rods passing through the pipe, with nuts on both ends. The diagram shows the pipe being joined to a structure, with the threaded rods and nuts visible on the right side.

ANCHOR DETAIL

LOCATION OF ANCHORS NEAR END OF CULVERT PIPE		
D (IN.)	a (IN.)	b (IN.)
24	2	3
30-42	3	8
48-60	4	12

ANCHOR LOCATION TABLE

(D IS THE DIAMETER OF CULVERT PIPE)

THIS STANDARD DRAWING IS FOR USE ON NMDOT PROJECTS. OTHERS WHO USE THE NMDOT STANDARD DRAWINGS DO SO AT THEIR OWN RISK. STANDARD DRAWINGS THAT ARE APPLICABLE TO A SPECIFIC PROJECT WILL BE IDENTIFIED ON THE PROJECT PLANS BUT WILL NOT BE PHYSICALLY INCLUDED IN THOSE PLANS. THE DESIGNER WHO SPECIFIES A STANDARD DRAWING ACCEPTS THE RESPONSIBILITY OF DETERMINING THEIR APPLICABILITY.

[illegible]

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO
DEPARTMENT OF TRANSPORTATION
STANDARD DRAWING

SINGLE HDPE PIPE
CONCRETE BLANKET
WITHOUT SAFETY GRATE
(NORMAL & 5° TO 35° SKEW)

511-11A-1/2

1 of 2



**Southern Sandoval
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SPORTSPLEX OUTFALL IMPROVEMENTS

NMDOT PIPE CONCRETE BLANKET

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REVISIONS & CHANGE NOTICES

[illegible]

PROJECT NO: MO P0030-02

DESIGNED BY: AES

DRAWN BY: JDV

CHECKED BY: JN

DATE: 8/25/2026

14

SHEET 14 OF 18

Tuesday, September 3, 2025 2:26:18 PM - Jone Vigil
C:\Users\jone.v\OneDrive\Documents\SSCAFCA\Project_Files\Montezuma_MO_P0030-02\AutoCAD\Sheets\15 NMDOT PIPE CONCRETE BLANKET.dwg



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**SPORTSPLEX OUTFALL
IMPROVEMENTS**

NMDOT PIPE CONCRETE BLANKET

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**REVISIONS &
CHANGE NOTICES**

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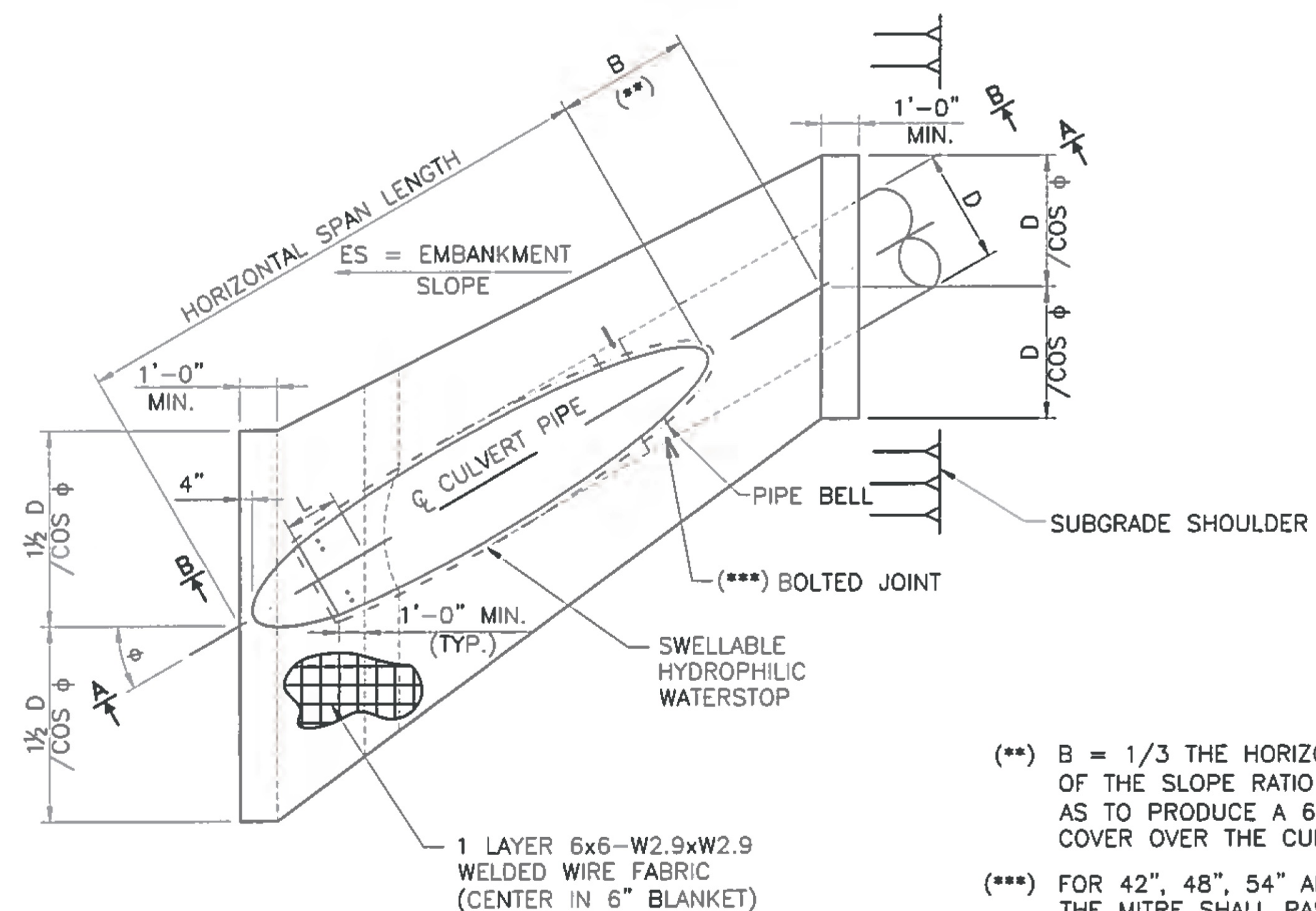
DRAWN BY: JDV

CHECKED BY: JN

DATE: 8/25/2026

15

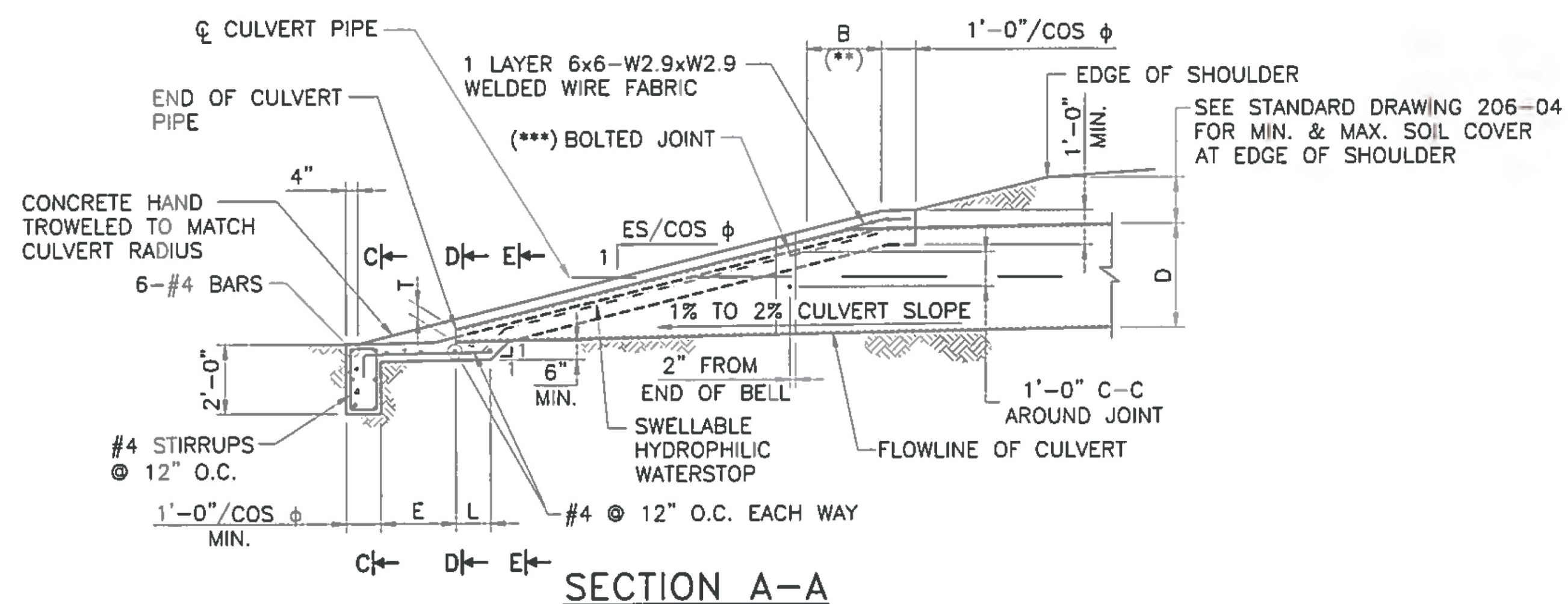
SHEET 15 OF 18



**PLAN AT SINGLE PIPE
(SKEWED INSTALLATIONS)**

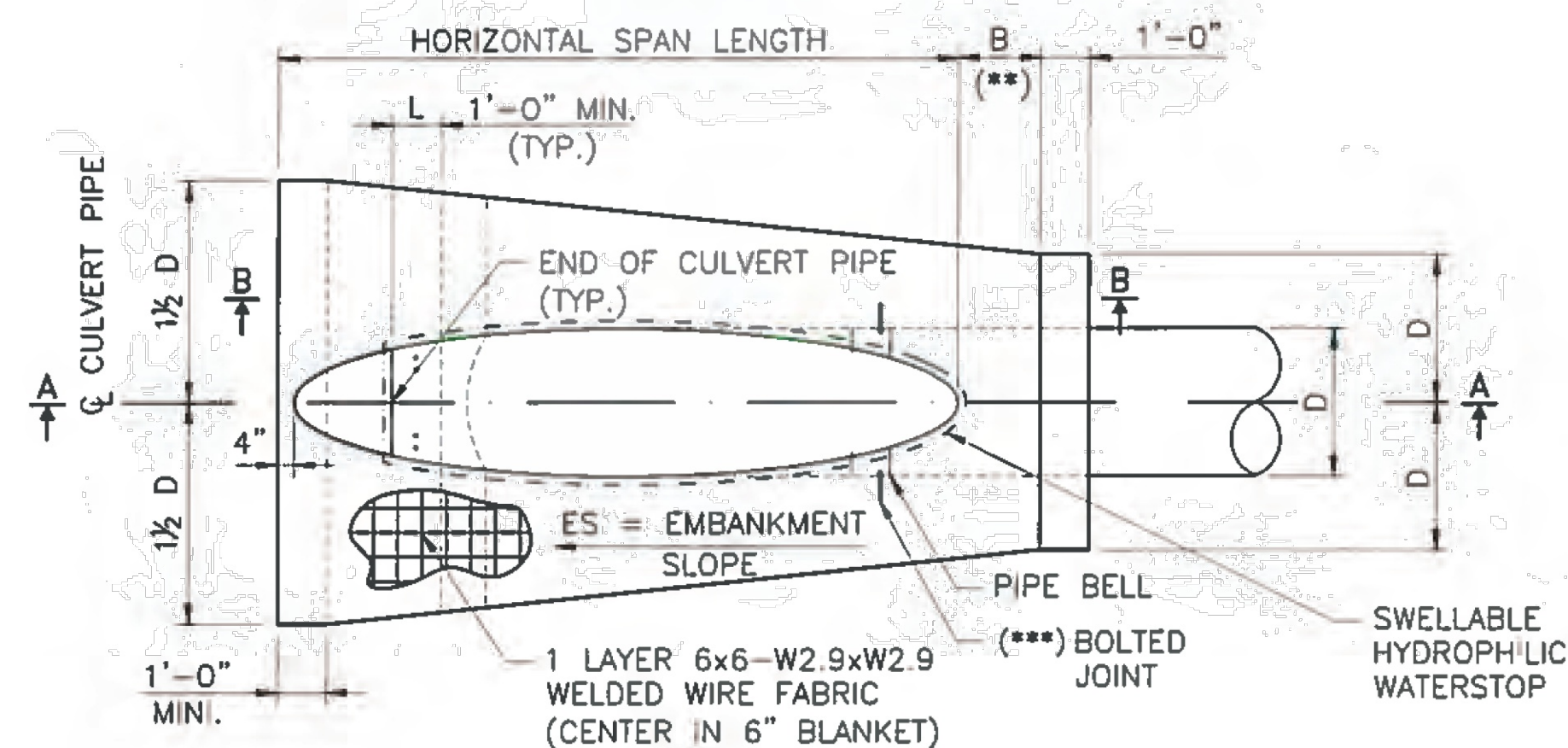
(**) B = 1/3 THE HORIZONTAL COMPONENT
OF THE SLOPE RATIO (ES) IN FEET, SO
AS TO PRODUCE A 6" MIN. CONCRETE
COVER OVER THE CULVERT.

(***) FOR 42", 48", 54" AND 60" 6:1 SLOPES,
THE MITRE SHALL PASS THROUGH THE
JOINT. JOINT IS TO BE BOLTED WITH 3/4" φ
GALVANIZED ANCHOR BOLTS WITH 3" φ
WASHERS.

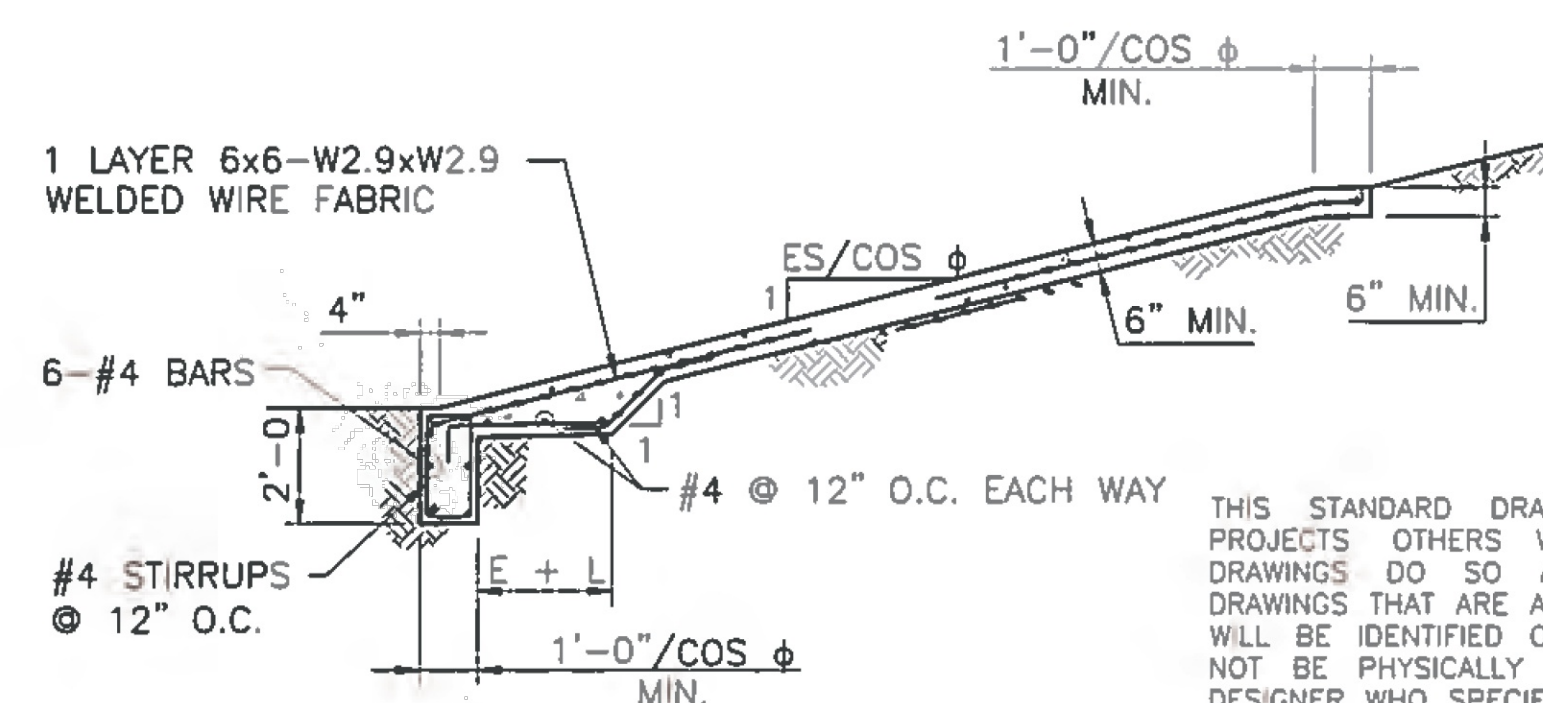


SECTION A-A

DESIGNED BY: FDO DRAWN BY: SKL/BEE CHECKED BY: KHC



**PLAN AT SINGLE PIPE
(NORMAL INSTALLATIONS)**



SECTION B-B

THIS STANDARD DRAWING IS FOR USE ON NMDOT
PROJECTS OTHERS WHO USE THE NMDOT STANDARD
DRAWINGS DO SO AT THEIR OWN RISK. STANDARD
DRAWINGS THAT ARE APPLICABLE TO A SPECIFIC PROJECT
WILL BE IDENTIFIED ON THE PROJECT PLANS BUT WILL
NOT BE PHYSICALLY INCLUDED IN THOSE PLANS. THE
DESIGNER WHO SPECIFIES A STANDARD DRAWING ACCEPTS
THE RESPONSIBILITY OF DETERMINING THEIR APPLICABILITY.

NO.	DATE	BY	DESCRIPTION

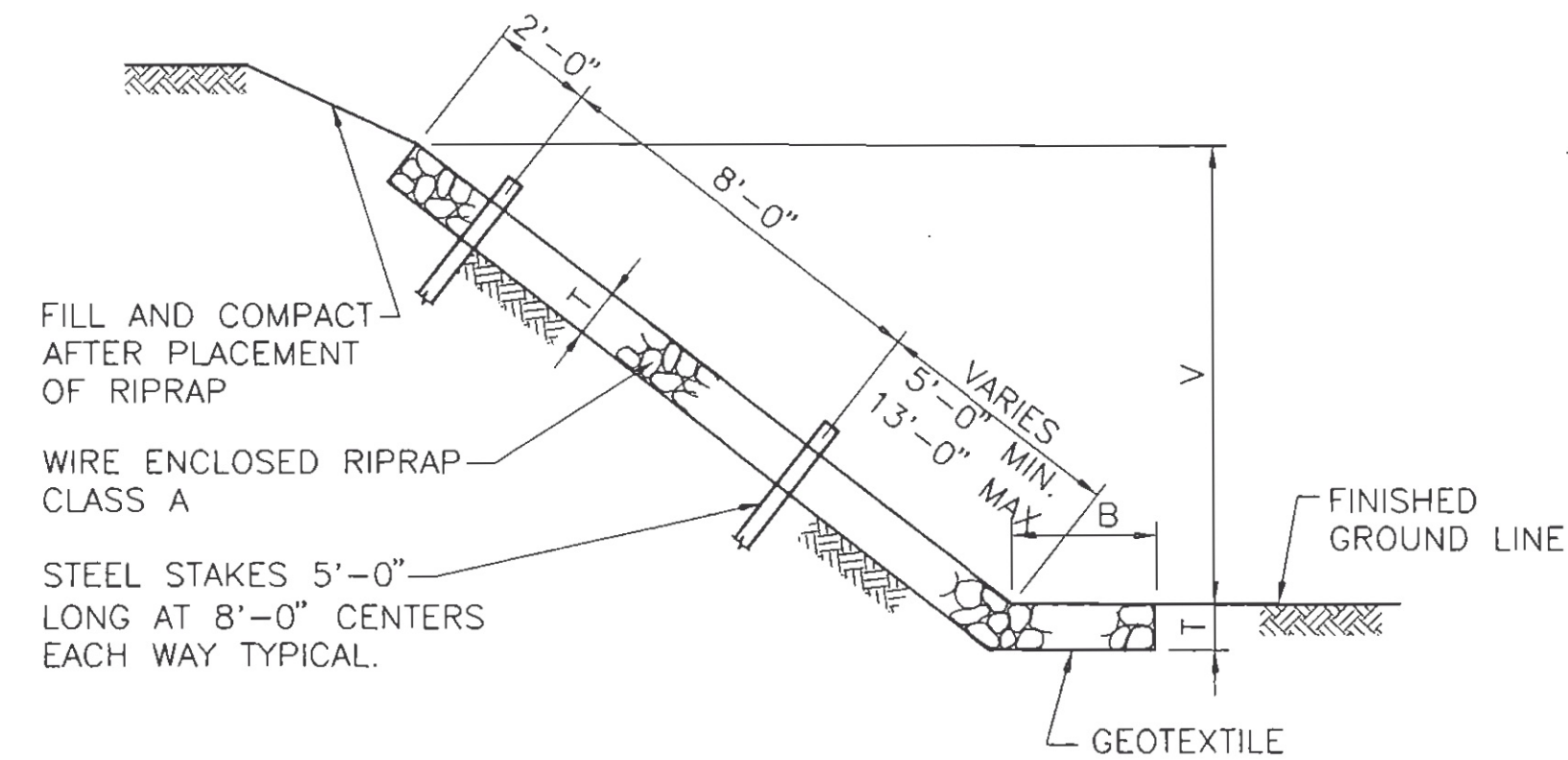
REVISIONS (OR CHANGE NOTICES)

**NEW MEXICO
DEPARTMENT OF TRANSPORTATION
STANDARD DRAWING**

**SINGLE HDPE PIPE
CONCRETE BLANKET
WITHOUT SAFETY GRATE
(NORMAL & 5° TO 35° SKEW)**

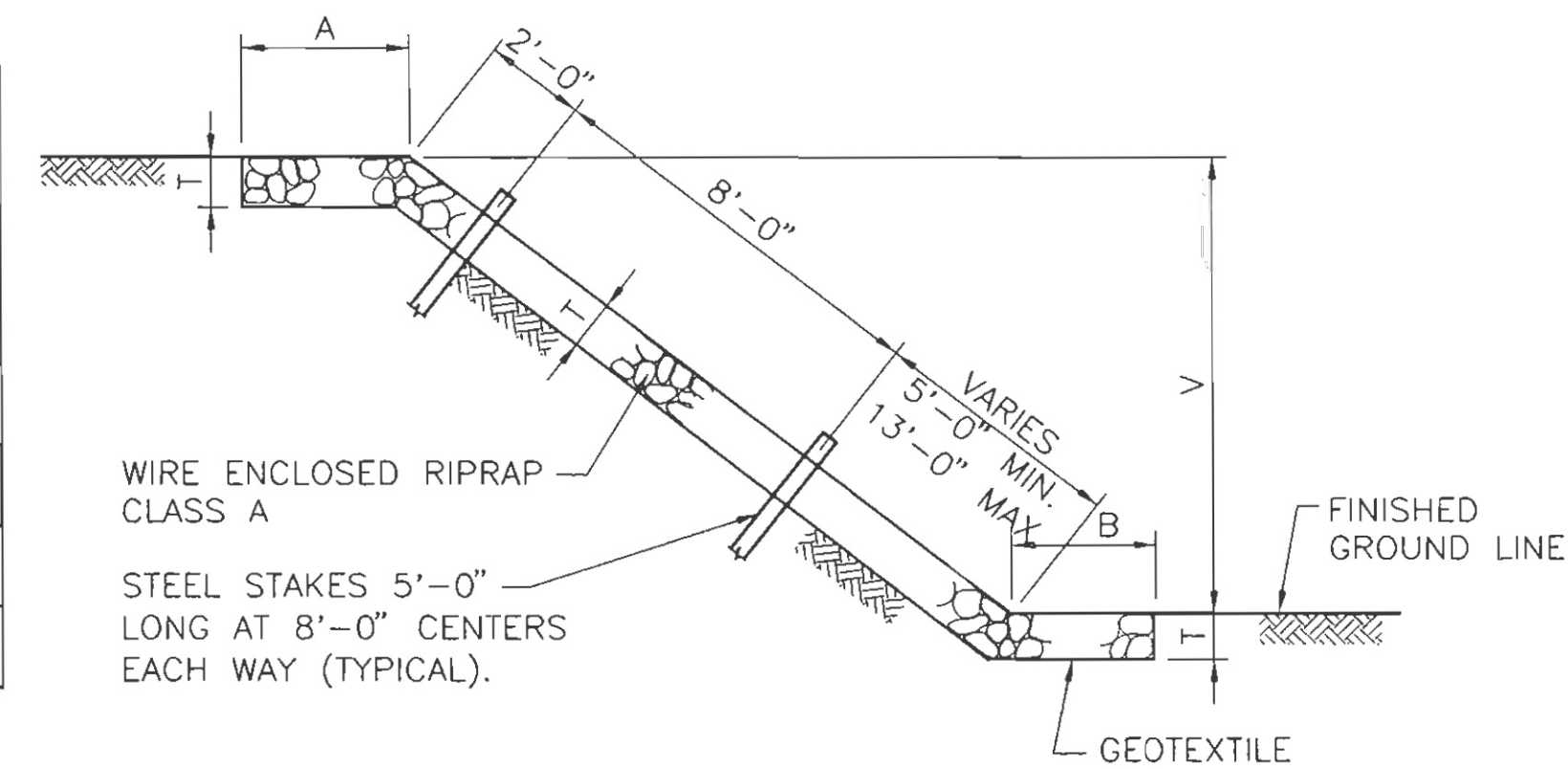
511-11A-2/2 2 of 2





SECTION TYPE I

QUANTITIES PER LINEAR FOOT	
SLOPE	RIPRAP (CU. YDS.)
1.5 : 1	$\frac{T}{27} (B + 1.803 V + 0.303 T)$
1.75 : 1	$\frac{T}{27} (B + 2.016 V + 0.266 T)$
2 : 1	$\frac{T}{27} (B + 2.236 V + 0.236 T)$
3 : 1	$\frac{T}{27} (B + 3.162 V + 0.162 T)$
4 : 1	$\frac{T}{27} (B + 4.123 V + 0.123 T)$

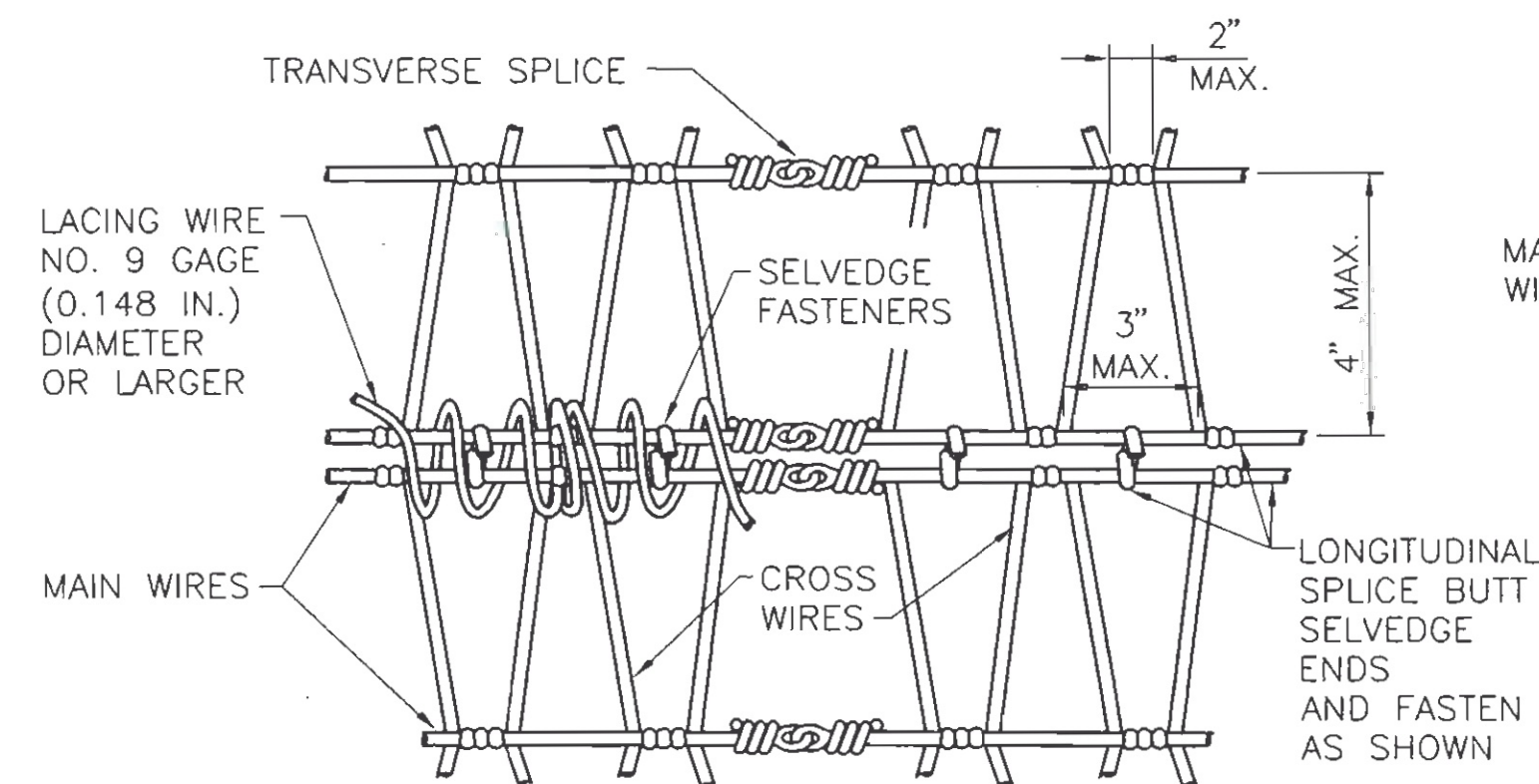


SECTION TYPE II

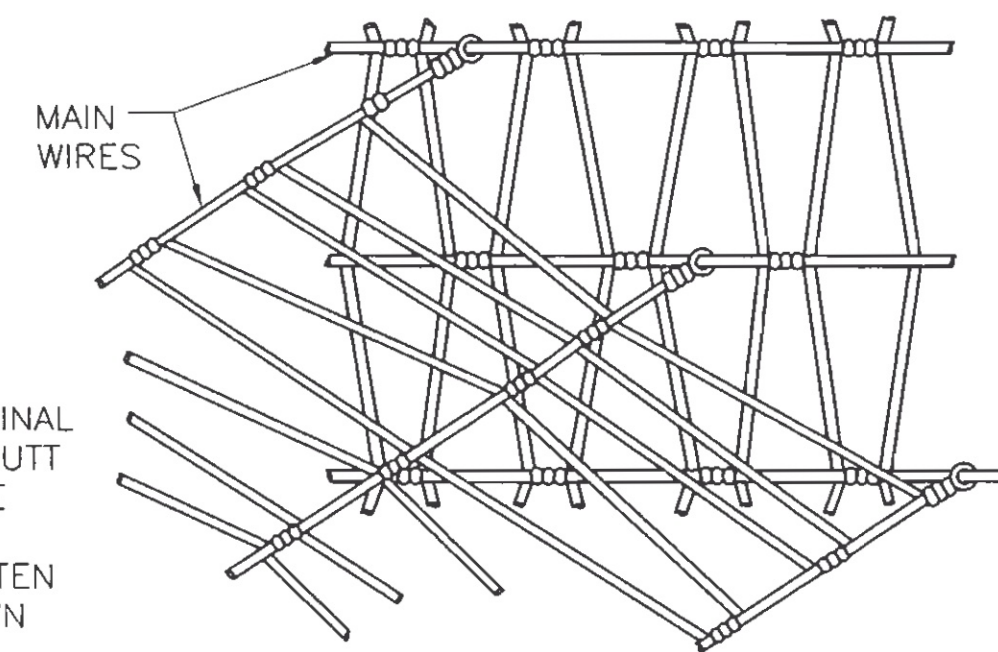
QUANTITIES PER LINEAR FOOT	
SLOPE	RIPRAP (CU. YDS.)
1 : 1	$\frac{T}{27} (A + B + 1.414V)$
1.5 : 1	$\frac{T}{27} (A + B + 1.803V)$
1.75 : 1	$\frac{T}{27} (A + B + 2.016V)$
2 : 1	$\frac{T}{27} (A + B + 2.236V)$
3 : 1	$\frac{T}{27} (A + B + 3.162V)$
4 : 1	$\frac{T}{27} (A + B + 4.123V)$

GENERAL NOTES

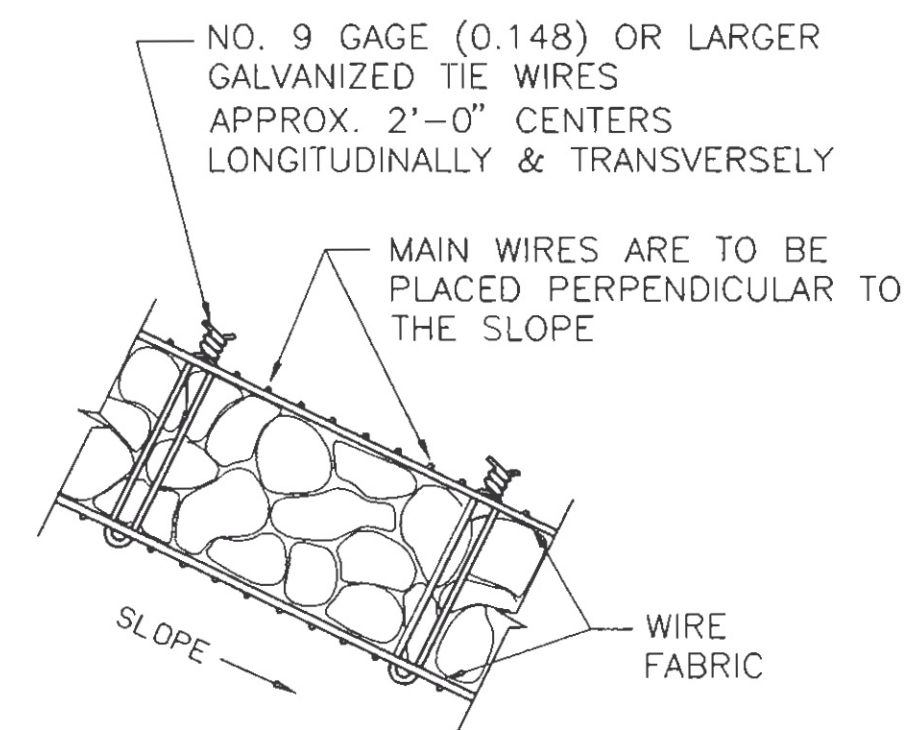
1. WIRE FABRIC FOR RIP RAP SHALL BE "W" OR HEXAGONAL MESH AND MEET THE REQUIREMENTS LISTED IN SECTION 602 OF THE NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, CURRENT EDITION.
2. STEEL STAKES MAY BE RAILROAD RAILS WEIGHING NOT LESS THAN 30 LBS. PER YARD, 4" NOMINAL DIAMETER STANDARD STRENGTH GALVANIZED STEEL PIPE, OR L 4" x 4" x 3/8" STEEL ANGLES. STEEL STAKES SHALL PROJECT 6" ABOVE TOP OF RIPRAP. STEEL STAKES ARE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE WORK AND NO DIRECT MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE.
3. IF LENGTH OF SLOPE IS 15 FEET OR LESS, ONLY ONE ROW OF STEEL STAKES 2 FEET FROM THE TOP EDGE OF RIPRAP WILL BE REQUIRED UNLESS OTHERWISE NOTED ON PLANS.
4. FOR DIMENSIONS A, B, V, & T. SEE BRIDGE OR ROADWAY PLANS.
5. $T=12'$ UNLESS OTHERWISE SHOWN ON PLANS; $T=18'$ AT BRIDGES.
6. FASTENERS FOR SPLICES AND/OR SELVEDGE END CONNECTORS MAY BE WIRE TIES, INTERLOCKING WIRE CLIPS, HOG RINGS, OR LACING WIRE. ONLY FASTENERS WHICH APPEAR ON THE DEPARTMENT'S "APPROVED PRODUCTS LIST" MAY BE USED.
7. LACING SHALL BE CONTINUOUS AS FAR AS IS PRACTICAL AND SHALL PASS THROUGH EACH MESH OPENING.
8. WHERE SPLICING IS NECESSARY, AN OVERLAP OF LACING OF AT LEAST 1 FOOT SHALL BE PROVIDED.



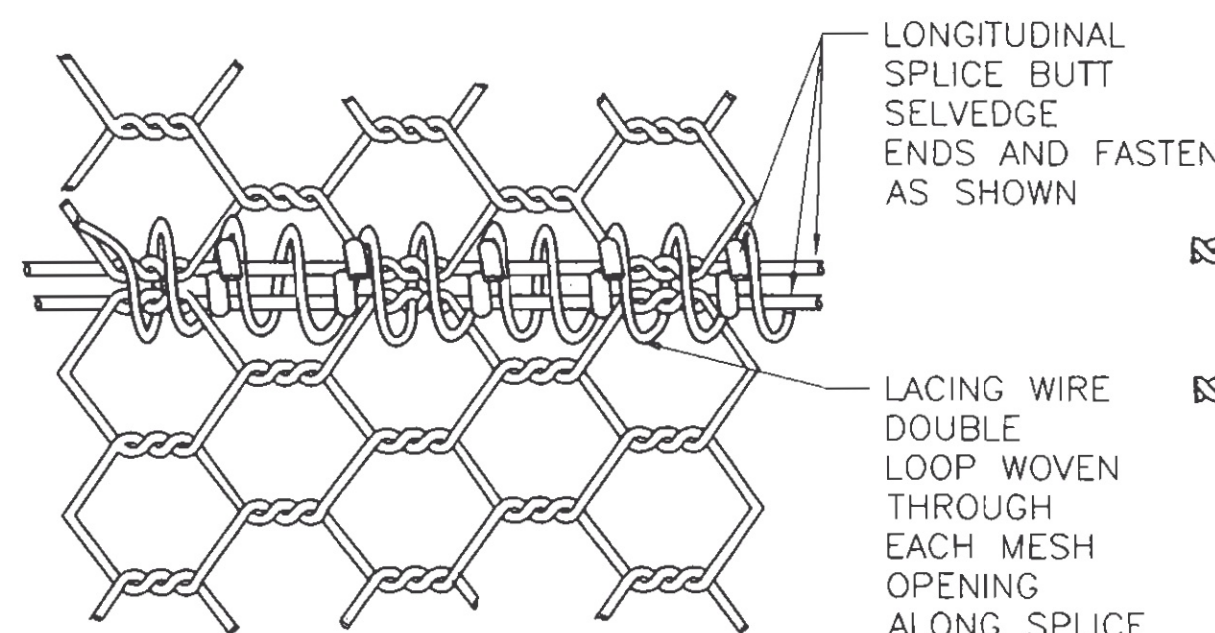
NORMAL INTERSECTION SPLICES



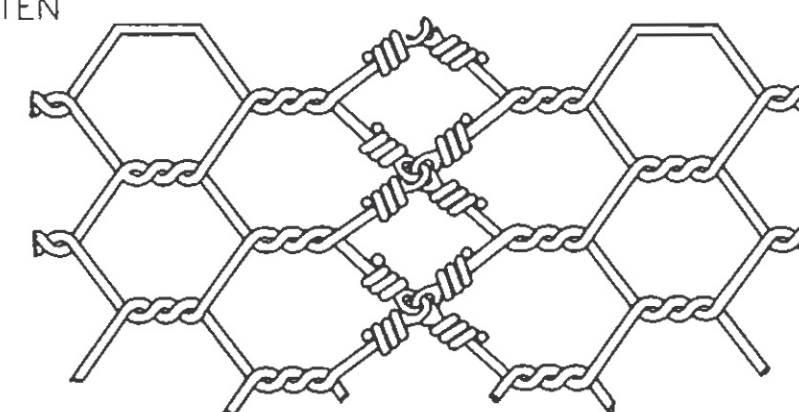
SKEWED INTERSECTION SPLICE



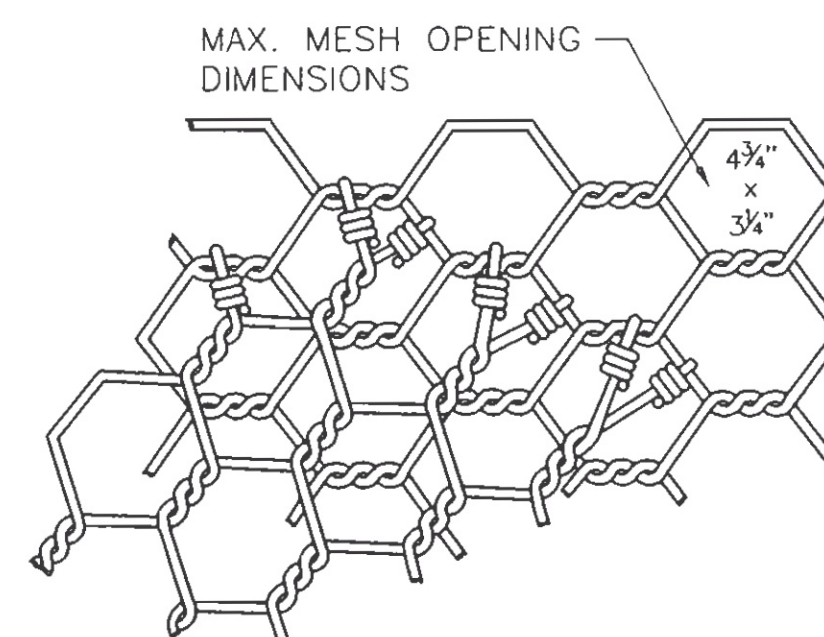
TYPICAL SECTION



NORMAL INTERSECTION SPLICE



TRANSVERSE SPLICE
HEXAGONAL MESH

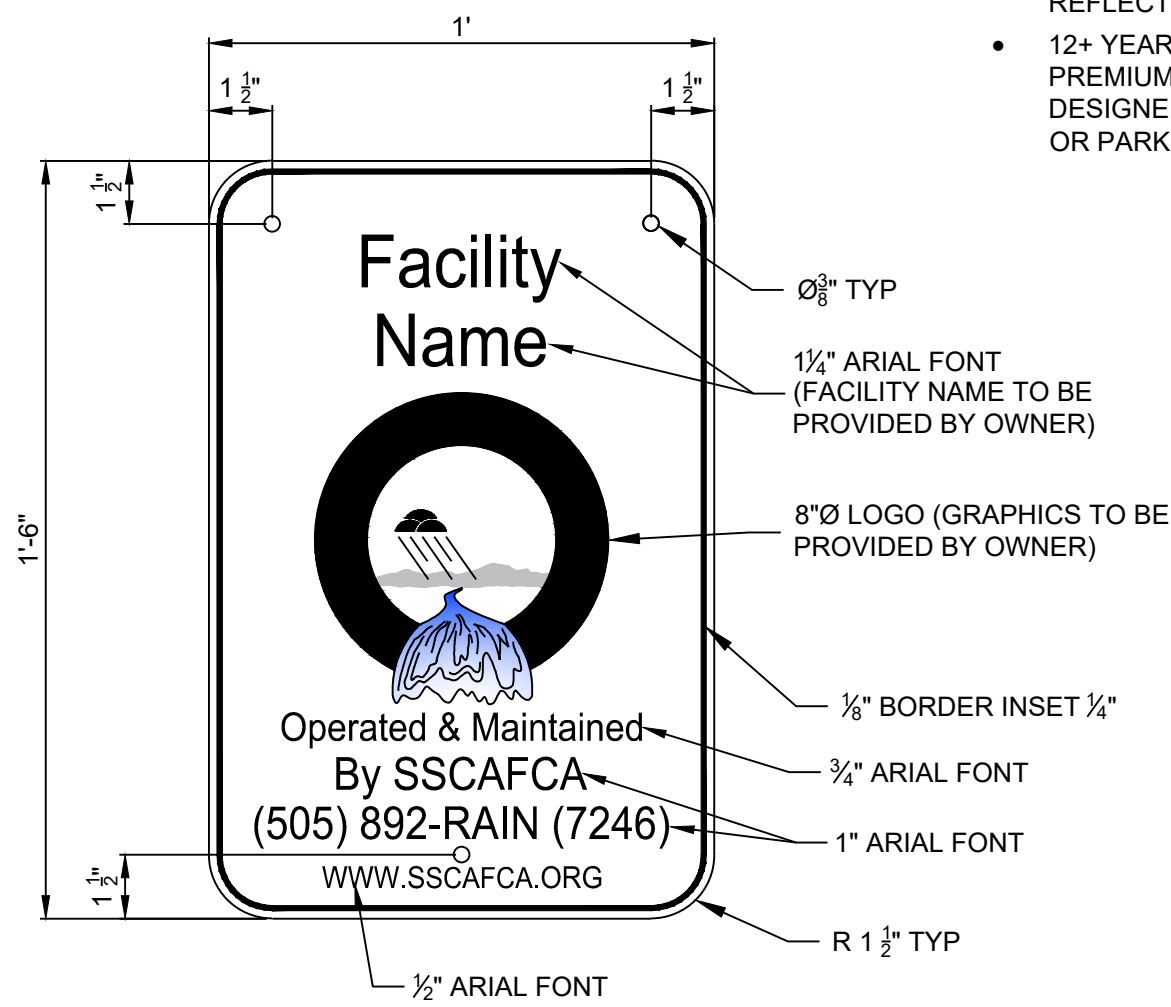


SKEWED INTERSECTION SPLICE



NO.	DATE	REV. BY	DESCRIPTION
REVISIONS (OR CHANGE NOTICES)			
NEW MEXICO			
DEPARTMENT OF TRANSPORTATION			
STANDARD DRAWING			
WIRE ENCLOSE RIPRAP			
CLASS "A"			
DESIGNED BY _____ DRAWN BY <u>SKL</u> CHECKED BY <u>YML</u>			
602-01-1/1			
1 of 1			

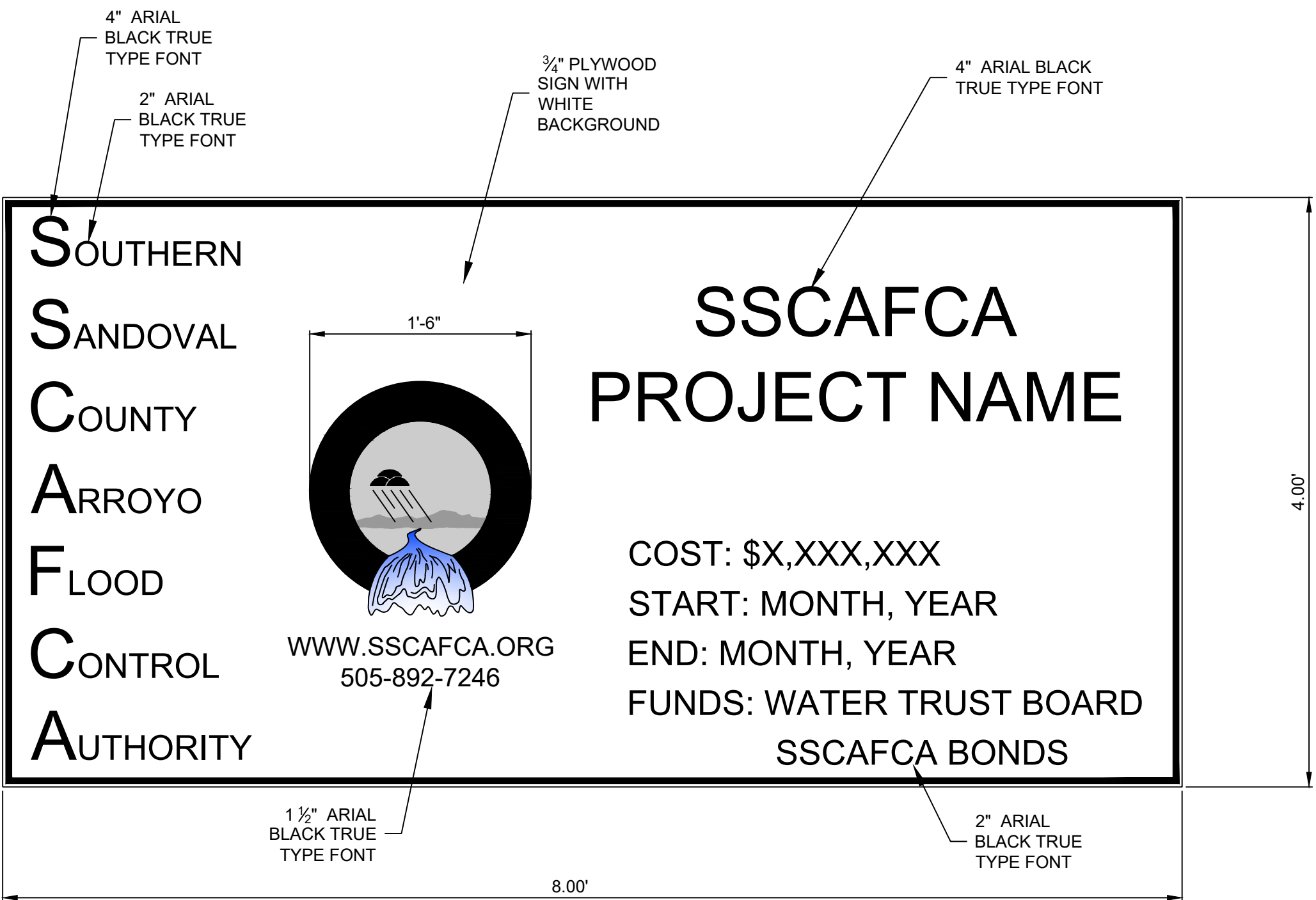
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FACILITY SIGN DETAIL

SIGN MATERIAL:

- 63 MIL THICK ALUMINUM WITH DIAMOND GRADE REFLECTIVITY.
- 12+ YEAR DURABILITY, MANUFACTURED WITH PREMIUM 3M INKS AND REFLECTIVE MATERIALS DESIGNED FOR MUNICIPAL OUTDOOR TRAFFIC OR PARKING SIGNS.



Southern Sandoval County Arroyo Flood Control Authority

1041 Commercial Dr. S.E.
Rio Rancho, New Mexico 87124
505-892-RAIN (7246)
www.sscafca.org



SPORTSPLEX OUTFALL IMPROVEMENTS

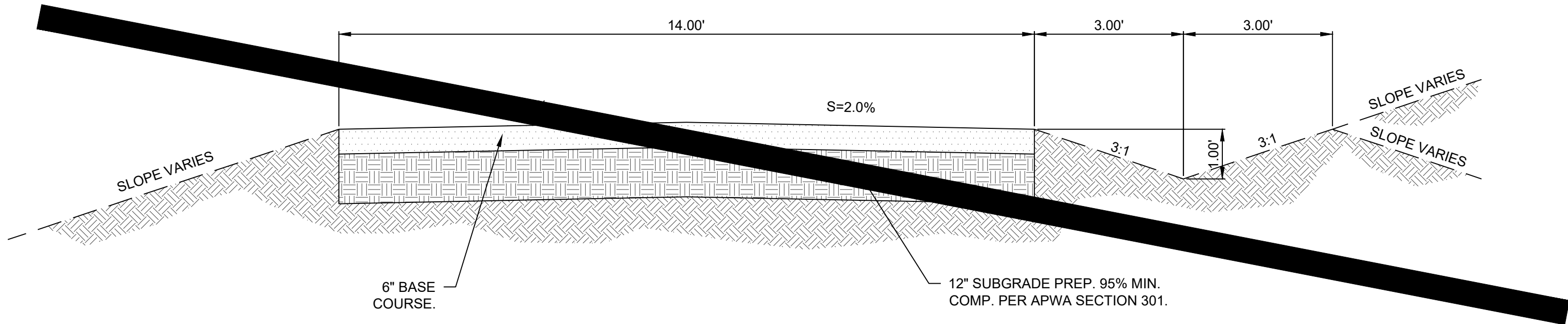
SSCAFCA STANDARD DETAILS

THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

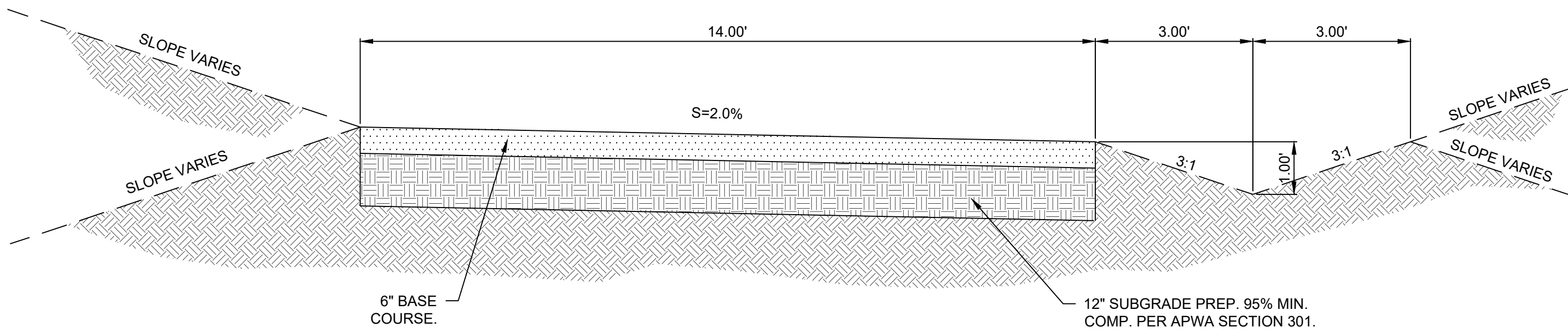
REVISIONS & CHANGE NOTICES		
MARK	DESCRIPTION	DATE

PROJECT NO: MO_P0030-02
DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JN
DATE: 8/25/2026

Thursday, September 3, 2026 3:26:13 PM - Jemie Vigil - C:\Users\Jemie\OneDrive\Documents\Southern Sandoval County Arroyo Flood Control Authority\SSCAFCA_Project_Files\Monitors\MO_P0030-02\AutoCAD\Sheets\18_SSCAFCA_STANDARD_DETAILS.dwg



CROWNED ACCESS ROAD DETAIL
NTS



CROSS SLOPE ACCESS ROAD DETAIL
NTS

- NOTES:
1. SIDE SWALE CAN BE LOCATED ON EITHER/BOTH SIDES OF ACCESS ROAD. SEE GRADING PLAN.
 2. CROSS SLOPE CAN VARY TO EITHER SIDE OF ACCESS ROAD. SEE GRADING PLAN.



**Southern Sandoval
County
Arroyo Flood Control
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SPORTSPLEX OUTFALL
IMPROVEMENTS

SSCAFCA STANDARD DETAILS

THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45
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REVISIONS & CHANGE NOTICES		
MARK	DESCRIPTION	DATE

PROJECT NO: MO_P0030-02
DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JN
DATE: 8/25/2026