

SSCAFCA Project No. BL_P0002-01
BLACK ARROYO WATERSHED



APPROVALS

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



COVER

15 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

PROJECT NO: BL_P0002-01

DATE: 2/22/2024

SHEET 1 OF 25

Wednesday, March 6, 2024 2:41:23 PM -- Jaime Vigil
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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" (MUTCD), 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 THE U.S. ARMY CORP. OF ENGINEERS, 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 UTILITIES DEPARTMENT

DAVID SERRANO, PE
3200 CIVIC CENTER CIRCLE NE
RIO RANCHO, NEW MEXICO 87124
SUITE 250
(505) 891-5059
dserrano@rnnm.gov

PNM

GILBERT HERNANDEZ
ENGINEER 4
3150 CARLISLE BLVD. NE, ES-10
ALBUQUERQUE, NEW MEXICO 87107
(505) 241-3622
gilbert.hernandez@pnm.com

PNM - OVERHEAD ELECTRIC TRANSMISSION LINES

REID DRISCOLL
4201 EDITH BLVD. NE, ES-10
ALBUQUERQUE, NEW MEXICO 87107
(505) 241-2971
gilbert.hernandez@pnm.com

SPARKLIGHT

ANTHONY LOVATO
CONSTRUCTION COORDINATOR
7501 NITA PLACE NE
RIO RANCHO, NEW MEXICO 87144
(505) 925-5645
anthony.lovato@sparklight.biz

LUMEN

ABDUL BHUIYAN
ENGINEER 2
4301 BOGAN AVE NE
ALBUQUERQUE, NEW MEXICO 87109
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NM GAS COMPANY

ELBERT BALLADO
DISTRICT ENGINEER 1
4625 EDITH BLVD. NE, MS-G865
ALBUQUERQUE, NEW MEXICO 87107
(505) 798-3346
elbertmartin.ballado@nmgco.com

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	ROAD 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



SUNSET CHANNEL 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
1	ADDENDUM #1	3/6/24

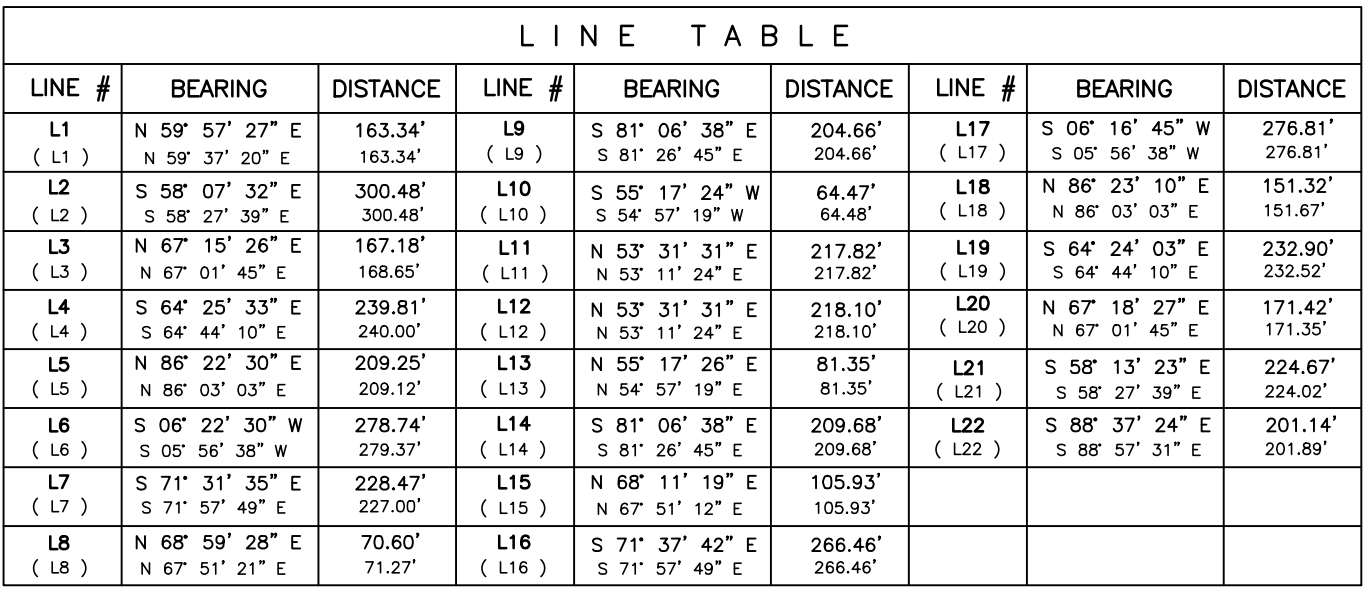
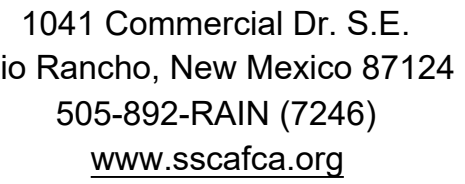
PROJECT NO: BL_P0002-01

DESIGNED BY: AES

DRAWN BY: JDV

CHECKED BY: JN

DATE: 2/22/2024



CURVE TABLE						
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH	
C1	40.03	567.68	4° 02' 23"	S 35° 58' 01" E	40.02	
(C1)	40.02'	567.68'	4° 02' 23"	S 36° 18' 09" E	40.05'	
C2	14.55'	503.68'	1° 39' 18"	S 37° 41' 49" E	14.55'	
(C2)	14.55'	503.68'	1° 39' 18"	S 38° 19' 11" E	14.55'	
C3	14.56'	285.88'	2° 55' 05"	S 38° 48' 02" E	14.56'	
(C3)	14.56'	285.88'	2° 55' 05"	S 39° 21' 37" E	14.56'	

AREA

DRN-1: 89,928.89 Square Feet
2.0644 Acres

DRN-2: 3,169.56 Square Feet
0.0727 Acres

SURVEY LEGAL DESCRIPTION

Two parcels of land designated as "Drainage Ways" within Blocks 141-A and 142-A of Rio Rancho Estates Unit 11, as the same are shown and designated on the plat thereof, recording the Office of the County Clerk of Sandoval County on July 13, 1978, in Rio Rancho Estates Book 3, Page 14.

PLAT NOTES

1. Bearings are New Mexico State Plane Grid, based upon an OPUS solution derived from static GPS observations. All bearings and distances shown hereon are field measured. All distances shown in parenthesis are from the plot of record. All found and occupied monuments tagged with metal disk "PS 14269" where applicable.
2. All distances are ground.
3. Date of field survey: September & October 2023
4. Bearings are New Mexico State Plane Grid, based upon an OPUS solution derived from static GPS observations. All bearings and distances shown hereon are field measured. All distances shown in parenthesis are from the plot of record. All found and occupied monuments tagged with metal disk "PS 14269" where applicable.
5. This survey is a retracement survey based upon found monuments and the plot of record. No title information regarding this property was provided by Client for use in the preparation of this survey.

It is hereby certified that this property is NOT located within a 100 year flood hazard boundary in accordance with current HUD Federal Administration Flood Hazard Boundary Maps. Zone X (No flood hazard), Panel 350002 1889D, with an effective date of March 18, 2008.

NOTE: Drainage Ditch is Flood Zone AE (5548' ±)

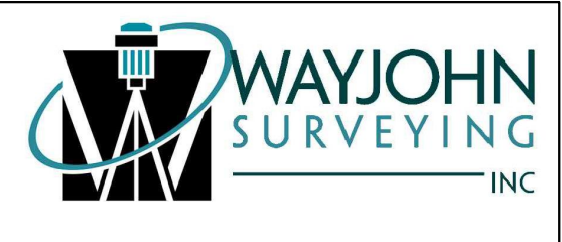


MONUMENT LEGEND:
 ○ = FOUND/SET MONUMENT AS NOTED:
 A: FOUND 1/2" REBAR (NO ID)
 B: FOUND 5/8" REBAR (NO ID)
 C: FOUND 1/2" REBAR W/CAP "PS 10464"
 D: FOUND 1/2" REBAR W/CAP "PS 14271"
 E: FOUND 5/8" REBAR W/CAP "PS 7923"
 F: SET 1/2" REBAR W/CAP "PS 14269"

I, Thomas D. Johnston, a Registered Professional Surveyor licensed under the laws of the State of New Mexico, do hereby certify that this survey was performed by me or under my direct supervision, that all buildings, structures, and improvements on the property are shown hereon, that all easements of record or made known to me by the owner of record or by the title company are shown hereon, and that this survey was performed in accordance with the Standards for Land Surveys in the State of New Mexico as adopted March 12, 2022, and is true and correct to the best of my knowledge and belief. I further certify that this survey and plat do not meet the requirements of the City of Albuquerque or Bernalillo County Subdivision Ordinance(s), and is not intended to subdivide any parcel.


Thomas D. Johnston, PS 1426

10/24/2023
Date



1609 2nd STREET, N.W.
ALBUQUERQUE, N.M. 87102
PHONE: (505) 255-2052 FAX: (505) 255-2887

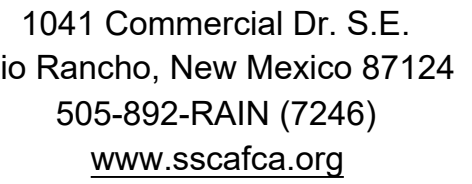
DRAWN: T R J	SCALE:	JOB NO.
CHECKED: T D J	1" = 80'	SC-9-03-23
FILE No. SC-9-03-2023.dwg	10/24/23	SHEET 1 OF 3

PROJECT NO: BL_P0002-01
DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JN
DATE: 2/22/2024

3

SHEET 3 OF 25

Wednesday, March 6, 2024 2:41:28 PM - Jamie Vigil
C:\Users\Jvigil\OneDrive - Southern Sandoval County Arroyo Flood Control Authority\SSCA_FCA_Project_Files\Block\BL_P0002-01\AutoCAD\Sheets\3 SURVEY (FOR INFORMATION ONLY).dwg



SURVEY (FOR INFORMATION ONLY)

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

PROJECT NO: BL_P0002-01
DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JN
DATE: 2/22/2024

SHEET 4 OF 25



PLAT OF SURVEY
DRAINAGE WAYS WITHIN
BLOCKS 141-A & 142-A
RIO RANCHO ESTATES UNIT 11
WITHIN PROJECTED SECTIONS 22 & 23, T. 12 N., R. 2 E., NMPM
WITHIN THE TOWN OF ALAMEDA GRANT
RIO RANCHO, SANDOVAL COUNTY, NM
OCTOBER 2023

	CATV		RIP-RAP
	DI		CONCRETE
	ELEC		ASPHALT
	MH		
	PP		
	TEL		
	T		
	CABLE TV PEDESTAL		
	DROP INLET		
	ELECTRIC PEDESTAL		
	MANHOLE (TYPE)		
	POWER POLE		
	TELEPHONE PEDESTAL		
	ELECTRIC TRANSFORMER		

OVERHEAD ELECTRIC LINES

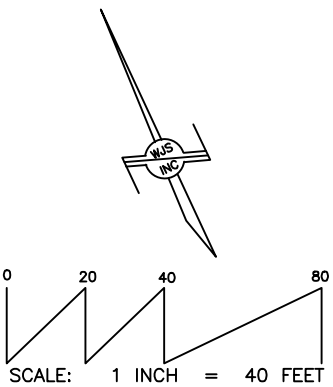
CHAIN LINK FENCE

WOOD FENCE

BLOCK WALL

UNDERGROUND STORM LINE

TC: 500.00	SPOT ELEVATION ELEVATIONS ARE TO ANNOTATED SPOTS	FL	FLOW LINE
		INV	INVERT
		NG	NATURAL GROUND
		TA	TOP OF ASPHALT
		TBC	TOP BACK OF CURB
	5000 INDEX CONTOURS AT 5 FOOT INTERVALS	TC	TOP OF CONCRETE
	EXISTING CONTOURS AT 1 FOOT INTERVALS	TG	TOP OF GRADE
		TR	TOP OF ROCK



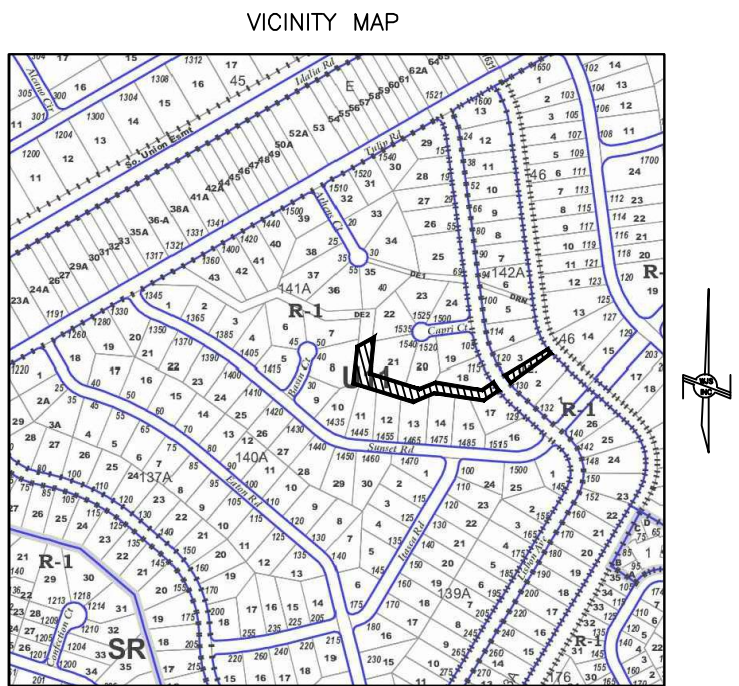
I, Thomas D. Johnston, a Registered Professional Surveyor licensed under the laws of the State of New Mexico, do hereby certify that this survey was performed by me or under my direct supervision, that all buildings, structures, and improvements on the property are shown hereon, that all easements of record or made known to me by the owner of record or by the title company are shown hereon, that the survey was performed to the minimum standards for Land Surveys in the State of New Mexico as adopted March 12, 2022, and is true and correct to the best of my knowledge and belief. I further certify that this survey and plat do not meet the requirements of the City of Albuquerque or Bernalillo County Subdivision Ordinance(s), and is not intended to subdivide any parcel.

 10/24/2023
Thomas D. Johnston, PS 14269 Date



1609 2nd STREET, N.W.
ALBUQUERQUE, N.M. 87102
PHONE: (505) 255-2052 FAX: (505) 255-2887

DRAWN: T R J	SCALE:	JOB NO.
CHECKED: T D J	1" = 40'	SC-9-03-23
FILE No. SC-9-03-2023.dwg	10/24/23	SHEET 2 OF



PLAT OF SURVEY
DRAINAGE WAYS WITHIN
BLOCKS 141-A & 142-A
RIO RANCHO ESTATES UNIT 11
WITHIN PROJECTED SECTIONS 22 & 23, T. 12 N., R. 2 E., NMPM
WITHIN THE TOWN OF ALAMEDA GRANT
RIO RANCHO, SANDOVAL COUNTY, NM
OCTOBER 2023

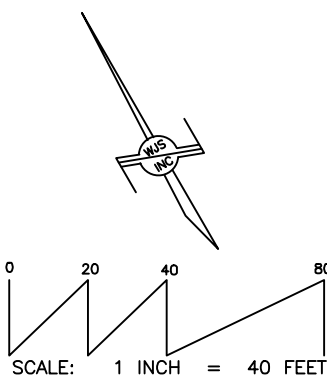


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Rio Rancho, New Mexico 87124
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LEGEND

- | | | |
|--------|----------------------|------------|
| ○ CATV | CABLE TV PEDESTAL | ■ RIP-RAP |
| □ DI | DROP INLET | ■ CONCRETE |
| □ ELEC | ELECTRIC PEDESTAL | ■ ASPHALT |
| ○ MH | MANHOLE (TYPE) | |
| ○ PP | POWER POLE | |
| ■ TEL | TELEPHONE PEDESTAL | |
| □ T | ELECTRIC TRANSFORMER | |
-
- | | | | |
|---------|-------------------------|-----------|------------------|
| — DHE — | OVERHEAD ELECTRIC LINES | — — — — — | CHAIN LINK FENCE |
| — SD — | UNDERGROUND STORM LINE | — — — — — | WOOD FENCE |
| | | — — — — — | BLOCK WALL |
-
- | | | | |
|------------|-------------------|-----|------------------|
| TC: 500.00 | SPOT ELEVATION | FL | FLOW LINE |
| | ELEVATIONS ARE TO | INV | INVERT |
| | ANNOTATED SPOTS | NG | NATURAL GROUND |
| | | TA | TOP OF ASPHALT |
| | | TBC | TOP BACK OF CURB |
| | | TC | TOP OF CONCRETE |
| | | TG | TOP OF GRATE |
| | | TR | TOP OF ROCK |
-
- | | |
|-----------|---------------------------------------|
| — 5000 — | INDEX CONTOURS AT 5 FOOT INTERVALS |
| — — — — — | EXISTING CONTOURS AT 1 FOOT INTERVALS |



I, Thomas D. Johnston, a Registered Professional Surveyor licensed under the laws of the State of New Mexico, do hereby certify that this survey was performed by me or under my direct supervision, that all buildings, structures, and improvements on the property are shown hereon, that all easements of record or made known to me by the owner of record or by the title company are shown hereon, and that this survey was performed to the Minimum Standards for Land Surveys in the State of New Mexico as adopted March 12, 2022, and is true and correct to the best of my knowledge and belief. I further certify that this survey and plat do not meet the requirements of the City of Albuquerque or Bernalillo County Subdivision Ordinance(s), and is not intended to subdivide any parcel.


Thomas D. Johnston, PS 14269
10/24/2023
Date

		
	1609 2nd STREET, N.W. ALBUQUERQUE, N.M. 87102 PHONE: (505) 255-2052 FAX: (505) 255-2887	
DRAWN: T R J	SCALE: 1" = 40'	JOB NO. SC-9-03-23
CHECKED: T D J	10/24/23	SHEET 3 OF 3
FILE No. SC-9-03-2023.dwg		

SUNSET CHANNEL IMPROVEMENTS

SURVEY (FOR INFORMATION ONLY)

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

REVISIONS & CHANGE NOTICES

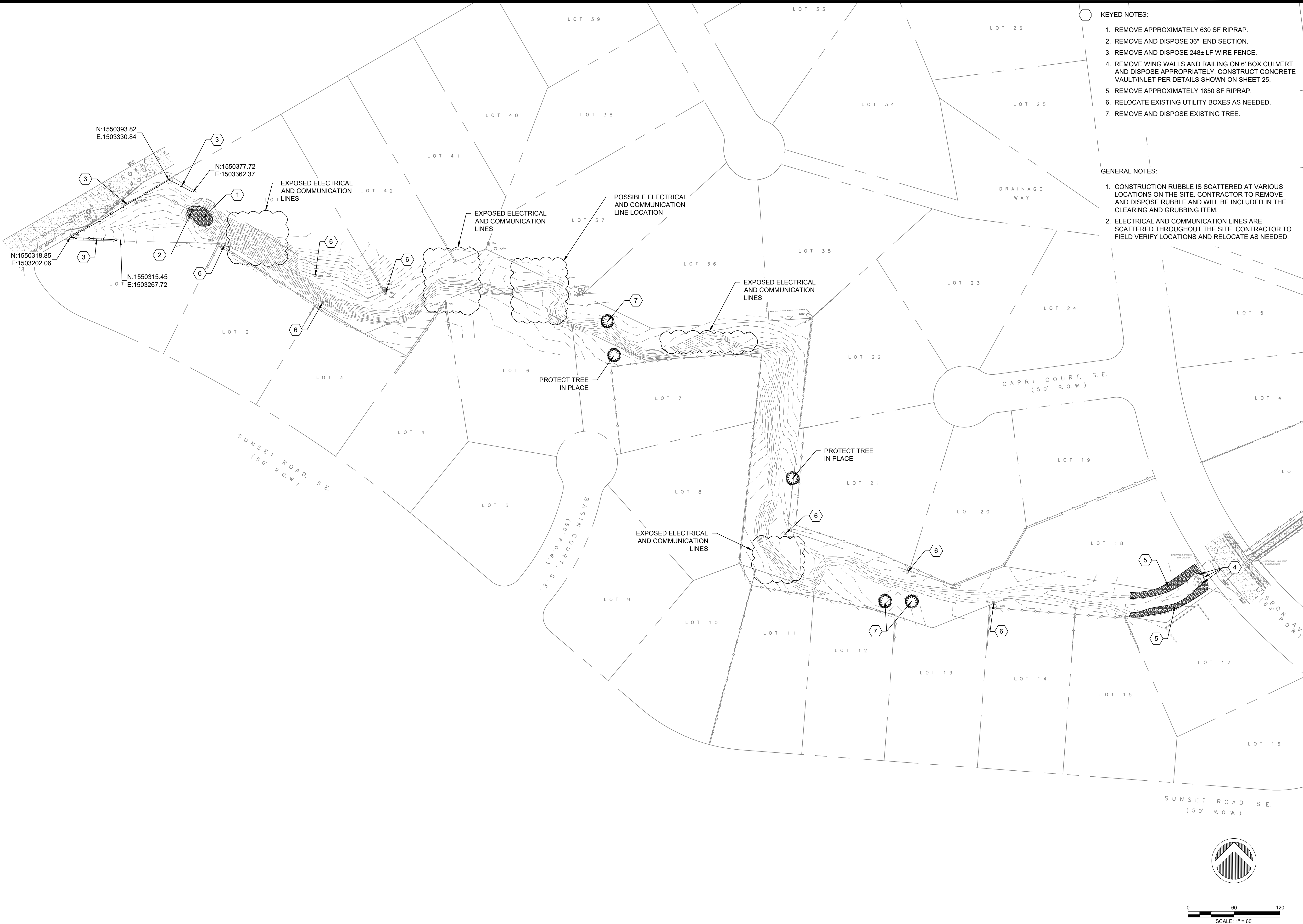
MARK	DESCRIPTION	DATE

PROJECT NO: BL_P0002-01
DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JN
DATE: 2/22/2024

5

SHEET 5 OF 25

Wednesday, March 6, 2024 2:41:43 PM - Jane Vigil
C:\Users\jvigil\OneDrive\Documents\SSCAFCA\Project_Files\Block\BL_P0002-01\AutoCAD\Sheets\6 Removal Plan.dwg



- KEYED NOTES:**
1. REMOVE APPROXIMATELY 630 SF RIPRAP.
 2. REMOVE AND DISPOSE 36" END SECTION.
 3. REMOVE AND DISPOSE 248± LF WIRE FENCE.
 4. REMOVE WING WALLS AND RAILING ON 6" BOX CULVERT AND DISPOSE APPROPRIATELY. CONSTRUCT CONCRETE VAULT/INLET PER DETAILS SHOWN ON SHEET 25.
 5. REMOVE APPROXIMATELY 1850 SF RIPRAP.
 6. RELOCATE EXISTING UTILITY BOXES AS NEEDED.
 7. REMOVE AND DISPOSE EXISTING TREE.
- GENERAL NOTES:**
1. CONSTRUCTION RUBBLE IS SCATTERED AT VARIOUS LOCATIONS ON THE SITE. CONTRACTOR TO REMOVE AND DISPOSE RUBBLE AND WILL BE INCLUDED IN THE CLEARING AND GRUBBING ITEM.
 2. ELECTRICAL AND COMMUNICATION LINES ARE SCATTERED THROUGHOUT THE SITE. CONTRACTOR TO FIELD VERIFY LOCATIONS AND RELOCATE AS NEEDED.



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Rio Rancho, New Mexico 87124
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SUNSET CHANNEL IMPROVEMENTS

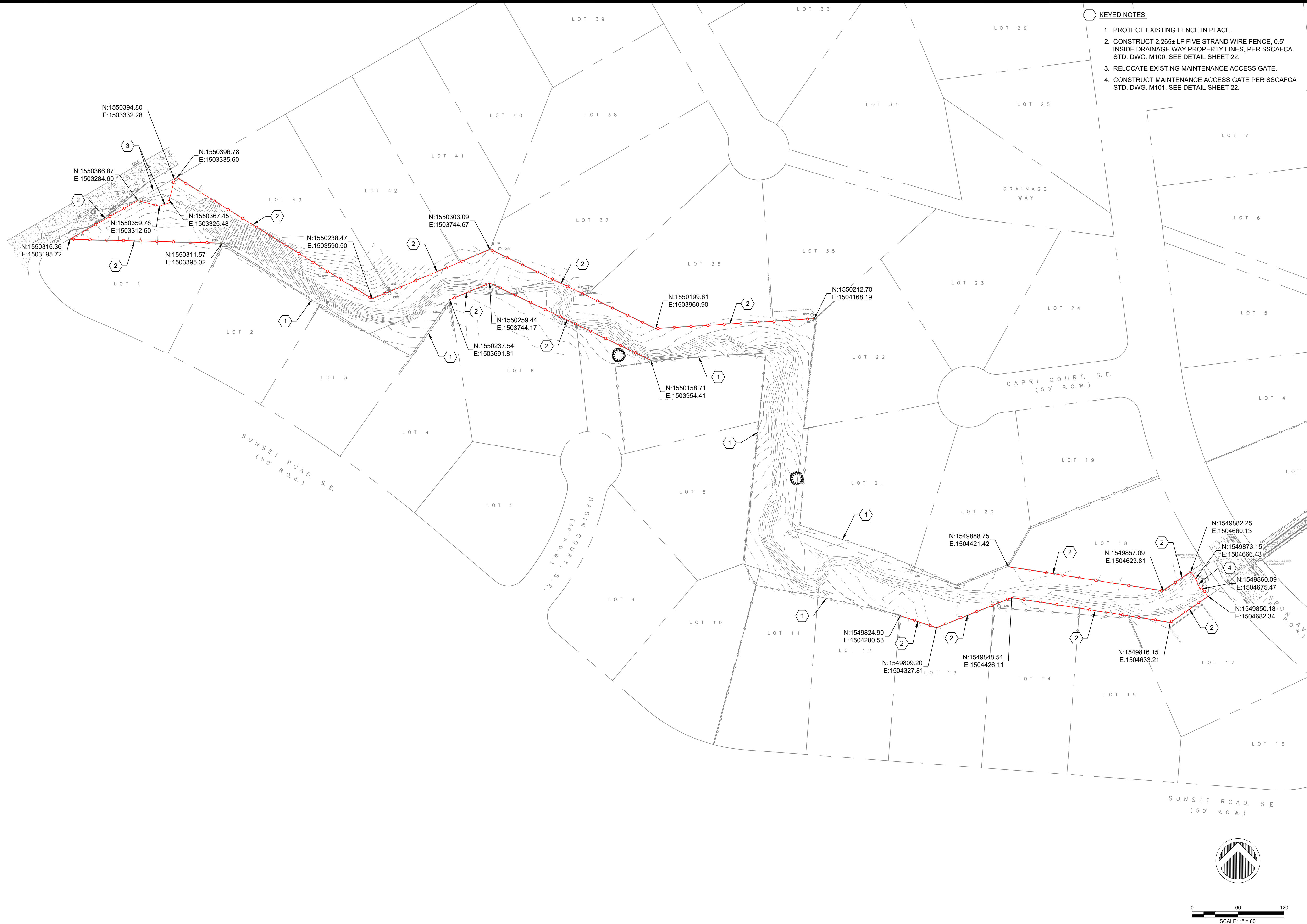
REMOVAL PLAN

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: BL_P0002-01
DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JN
DATE: 2/22/2024

Wednesday, March 6, 2024 2:41:48 PM - June Vigil
C:\Users\jvigil\OneDrive\Documents\SSCAFCA\Project_Files\Block\BL_P0002-01\AutoCAD\Sheet\17_Fencing_Plan.dwg



- KEYED NOTES:**
1. PROTECT EXISTING FENCE IN PLACE.
 2. CONSTRUCT 2,265± LF FIVE STRAND WIRE FENCE, 0.5' INSIDE DRAINAGE WAY PROPERTY LINES, PER SSCAFCA STD. DWG. M100. SEE DETAIL SHEET 22.
 3. RELOCATE EXISTING MAINTENANCE ACCESS GATE.
 4. CONSTRUCT MAINTENANCE ACCESS GATE PER SSCAFCA STD. DWG. M101. SEE DETAIL SHEET 22.



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SUNSET CHANNEL IMPROVEMENTS

FENCING PLAN

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: BL_P0002-01
DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JN
DATE: 2/22/2024

Wednesday, March 6, 2024 2:41:54 PM - Jane Vigil
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SUNSET CHANNEL IMPROVEMENTS

SURFACING PLAN

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REVISIONS & CHANGE NOTICES		
MARK	DESCRIPTION	DATE

PROJECT NO: BL_P0002-01
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CHECKED BY: JN
DATE: 2/22/2024



OVERALL GRADING PLAN

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

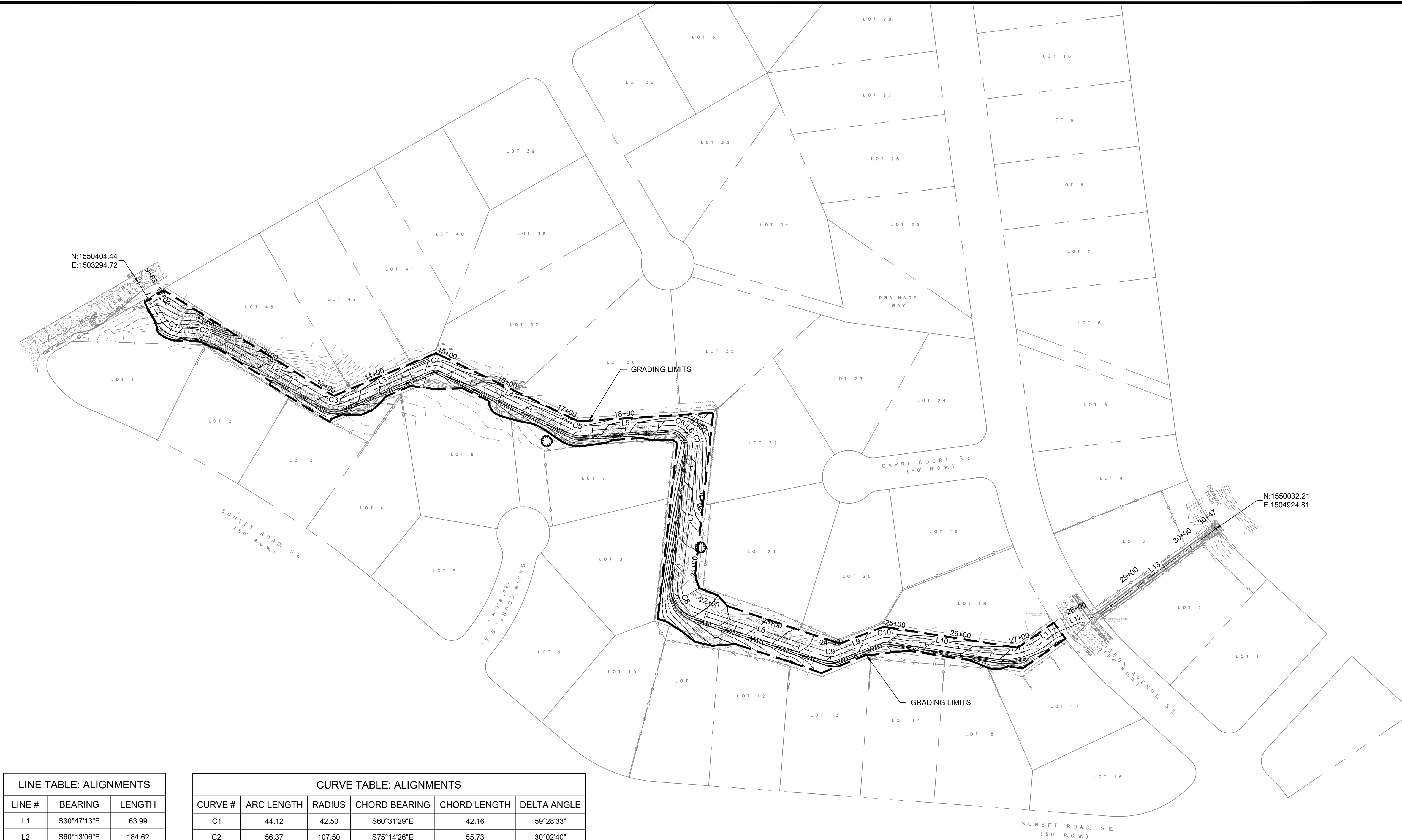
REVISIONS & CHANGE NOTICES

[illegible]

PROJECT NO: BL_P0002-01
DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JN
DATE: 2/22/2024

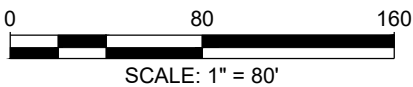
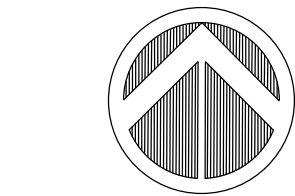
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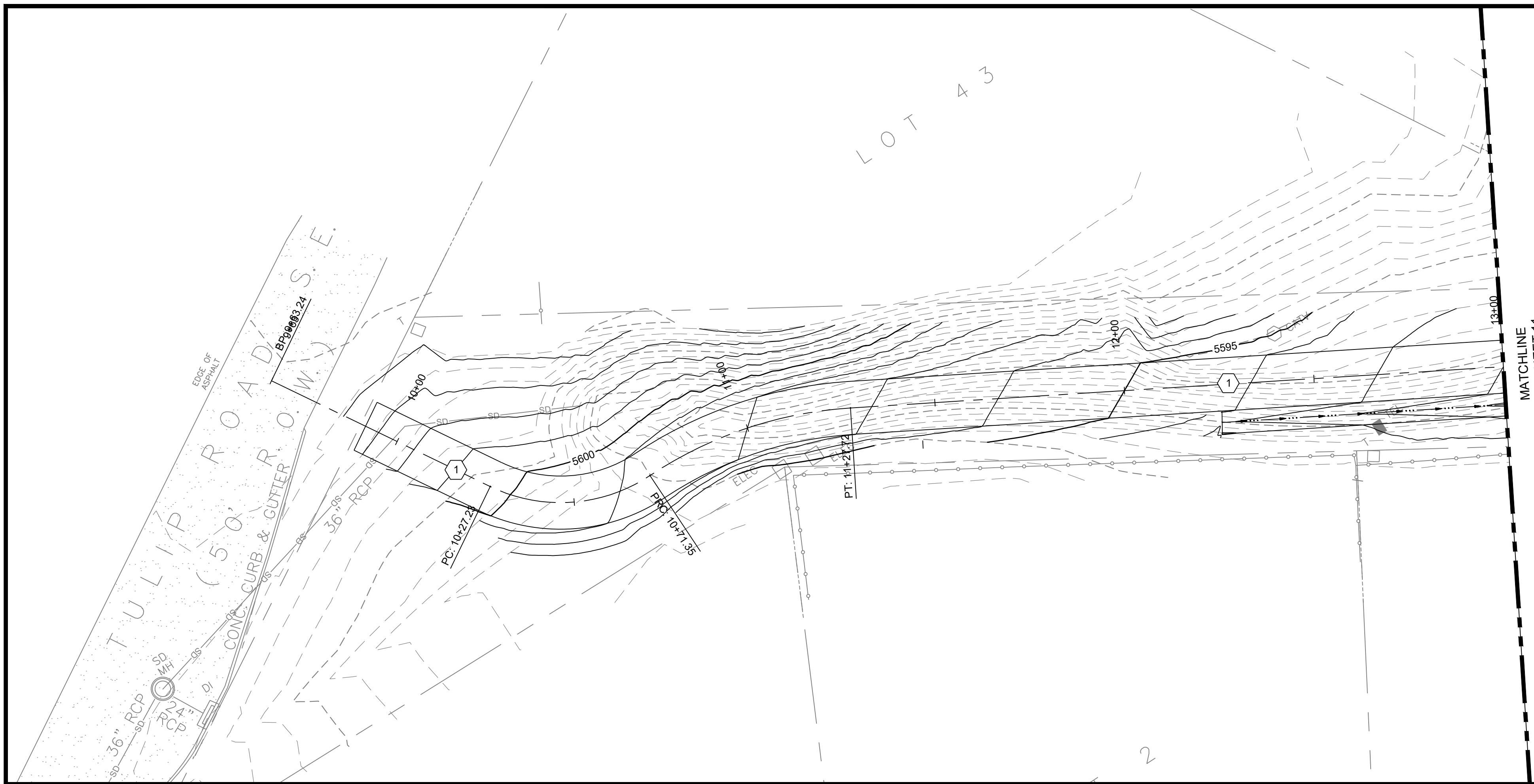
SHEET 9 OF 25



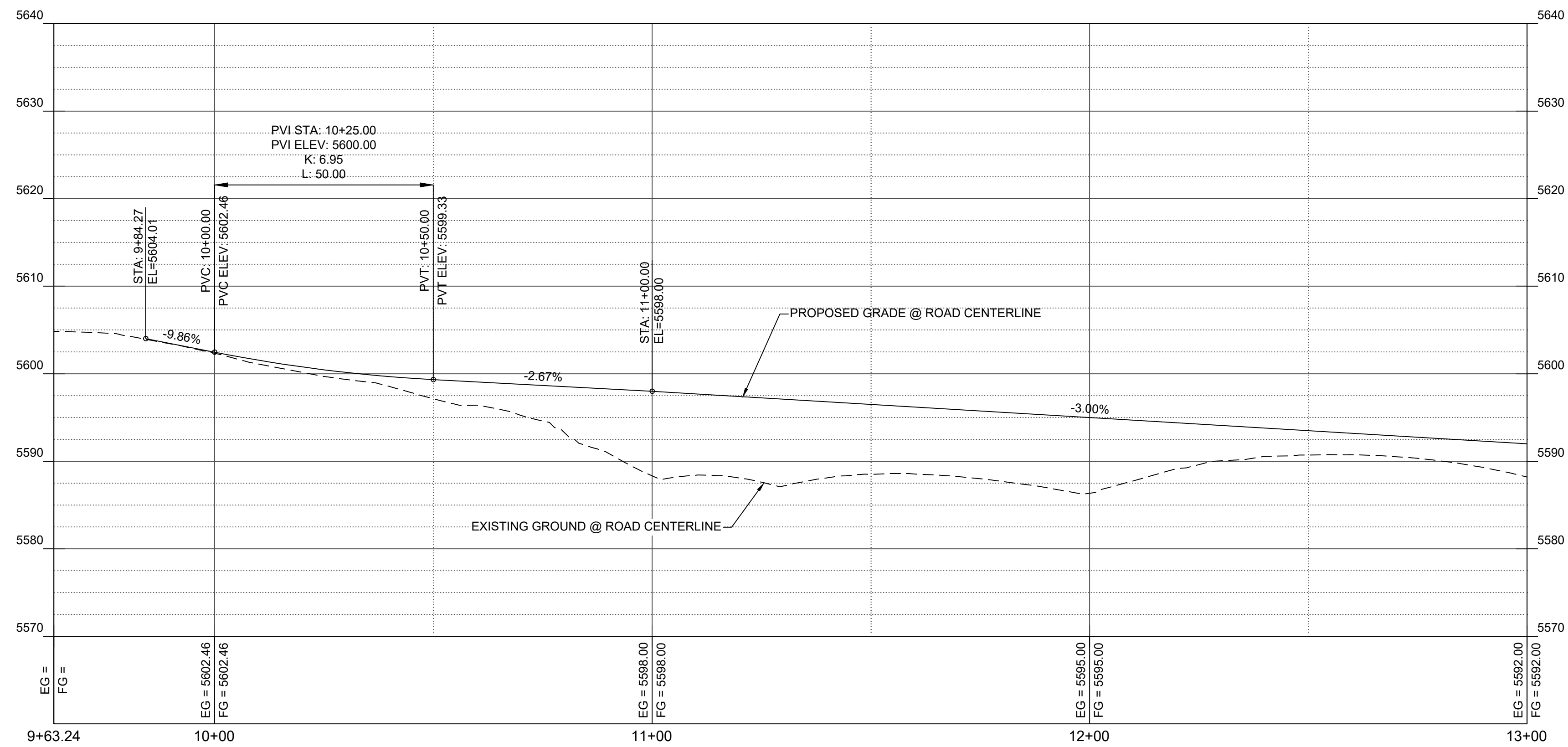
LINE TABLE: ALIGNMENTS		
LINE #	BEARING	LENGTH
L1	S30°47'13"E	63.99
L2	S60°13'06"E	184.62
L3	N67°15'26"E	144.67
L4	S64°25'33"E	218.33
L5	N86°22'30"E	137.30
L6	S43°37'30"E	8.82
L7	S6°22'30"W	208.40
L8	S71°31'35"E	206.46
L9	N68°59'28"E	72.52
L10	S81°06'38"E	160.24
L11	N54°53'30"E	25.57
L12	N66°37'23"E	72.55
L13	N53°45'01"E	217.92

CURVE TABLE: ALIGNMENTS					
CURVE #	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH	DELTA ANGLE
C1	44.12	42.50	S60°31'29"E	42.16	59°28'33"
C2	56.37	107.50	S75°14'26"E	55.73	30°02'40"
C3	22.92	25.00	S86°28'50"E	22.12	52°31'28"
C4	21.08	25.00	S88°35'03"E	20.46	48°19'01"
C5	12.74	25.00	S79°01'32"E	12.60	29°11'57"
C6	21.82	25.00	S68°37'30"E	21.13	50°00'00"
C7	21.82	25.00	S18°37'30"E	21.13	50°00'00"
C8	54.39	40.00	S32°34'32"E	50.29	77°54'05"
C9	17.23	25.00	N88°43'57"E	16.89	39°28'57"
C10	13.05	25.00	N83°56'25"E	12.90	29°53'54"
C11	76.79	100.00	N76°53'26"E	74.92	43°59'53"





ACCESS ROAD PROFILE



 KEYED NOTES:

1. CONSTRUCT 14' WIDE MAINTENANCE ACCESS ROAD. SEE
DETAIL ON SHEET 22.



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SUNSET CHANNEL IMPROVEMENTS

ACCESS ROAD 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[illegible]

PROJECT NO: BL_P0002-01

DESIGNED BY: AES

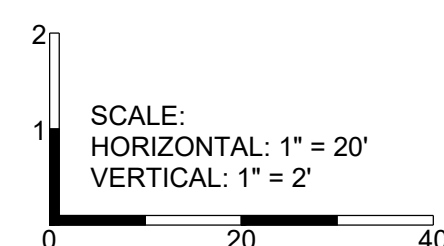
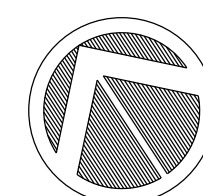
DRAWN BY: JDV

CHECKED BY: JN

DATE: 2/22/2024

10

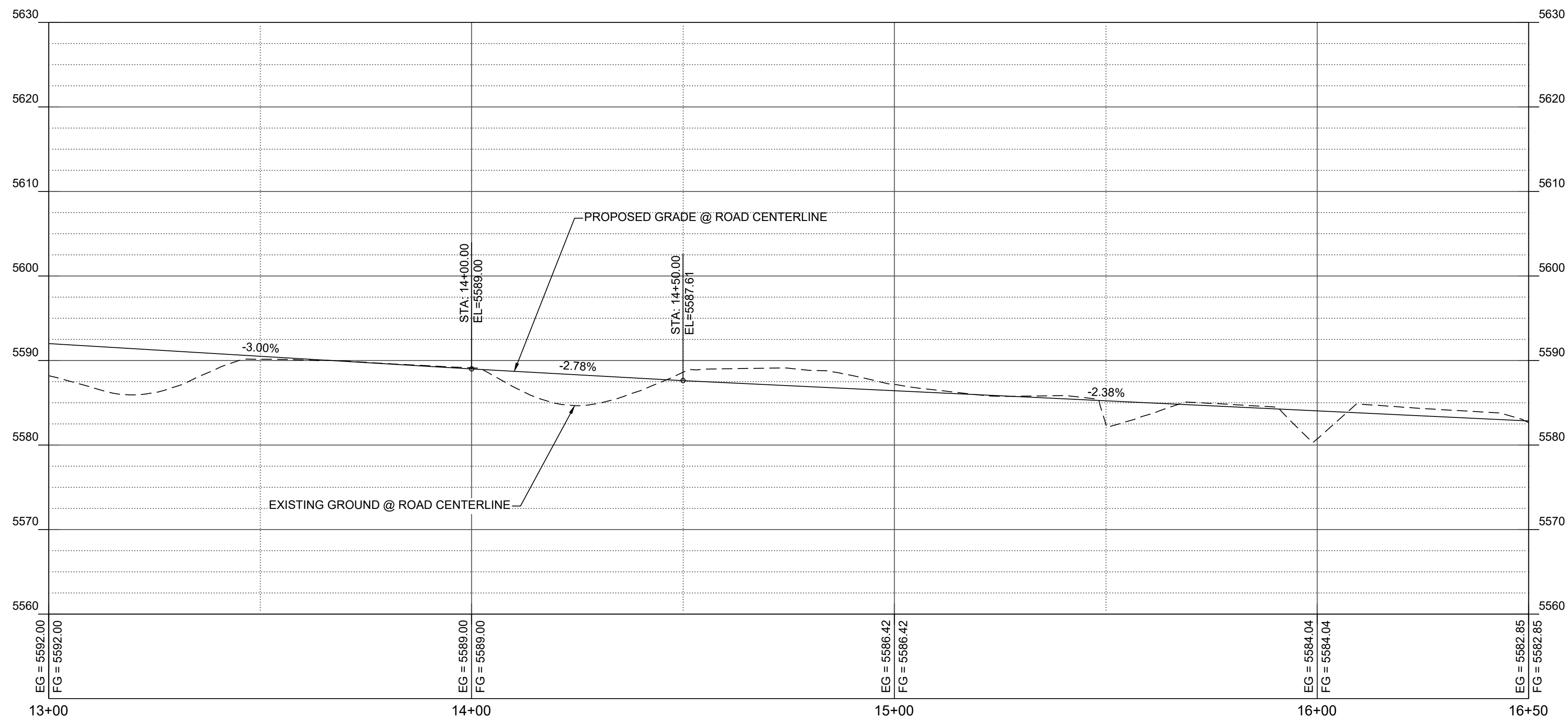
SHEET 10 OF 25



Wednesday, March 6, 2024 2:47:16 PM -- Jane_Vojt
C:\Users\jvojt\OneDrive\Documents\Southern Sandoval County Arroyo Flood Control Authority\SSCAFCA_Project_Files\Block\BL_P0002-01\AutoCAD\Sheets\11 ACCESS ROAD PLAN AND PROFILE.dwg



ACCESS ROAD PROFILE



KEYED NOTES:

1. CONSTRUCT 14' WIDE MAINTENANCE ACCESS ROAD. SEE DETAIL ON SHEET 22.
2. TEMPORARY CONSTRUCTION EASEMENT.



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Rio Rancho, New Mexico 87124
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SUNSET CHANNEL IMPROVEMENTS

ACCESS ROAD PLAN AND PROFILE

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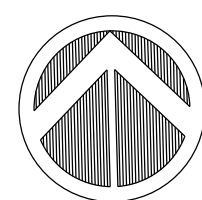
REVISIONS & CHANGE NOTICES

MARK	DESCRIPTION	DATE

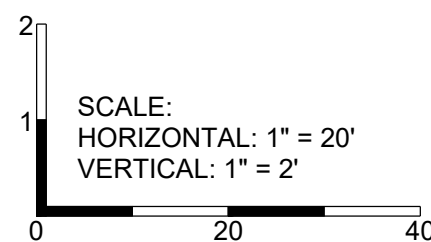
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DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JN
DATE: 2/22/2024

11

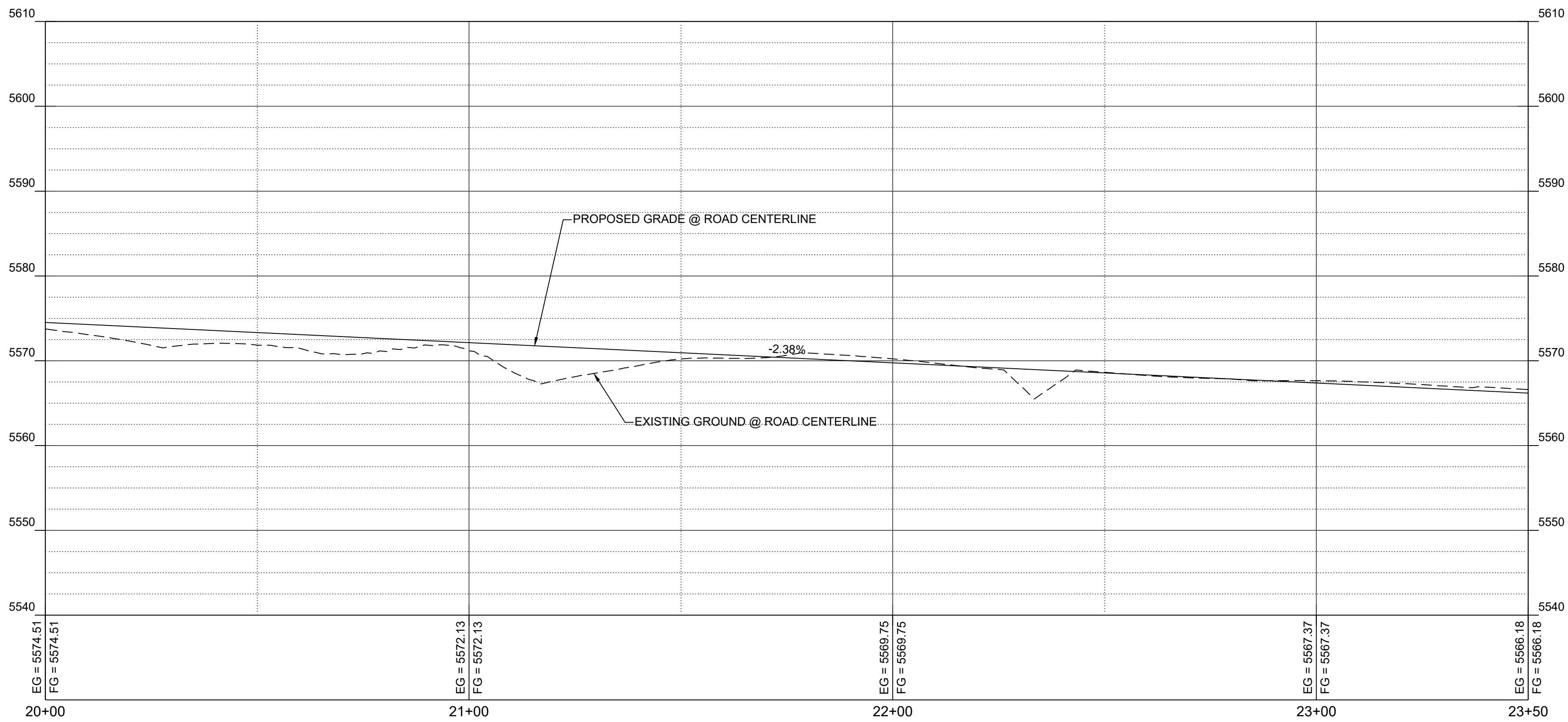
SHEET 11 OF 25



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



ACCESS ROAD PROFILE



KEYED NOTES:

1. CONSTRUCT 14' WIDE MAINTENANCE ACCESS ROAD. SEE DETAIL ON SHEET 22.
2. TEMPORARY CONSTRUCTION EASEMENT.



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SUNSET CHANNEL IMPROVEMENTS

ACCESS ROAD 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
1	ADDENDUM #1	3/6/24

PROJECT NO: BL_P0002-01

DESIGNED BY: AES

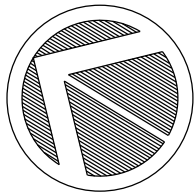
DRAWN BY: JDV

CHECKED BY: JN

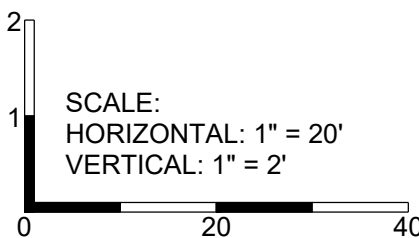
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13

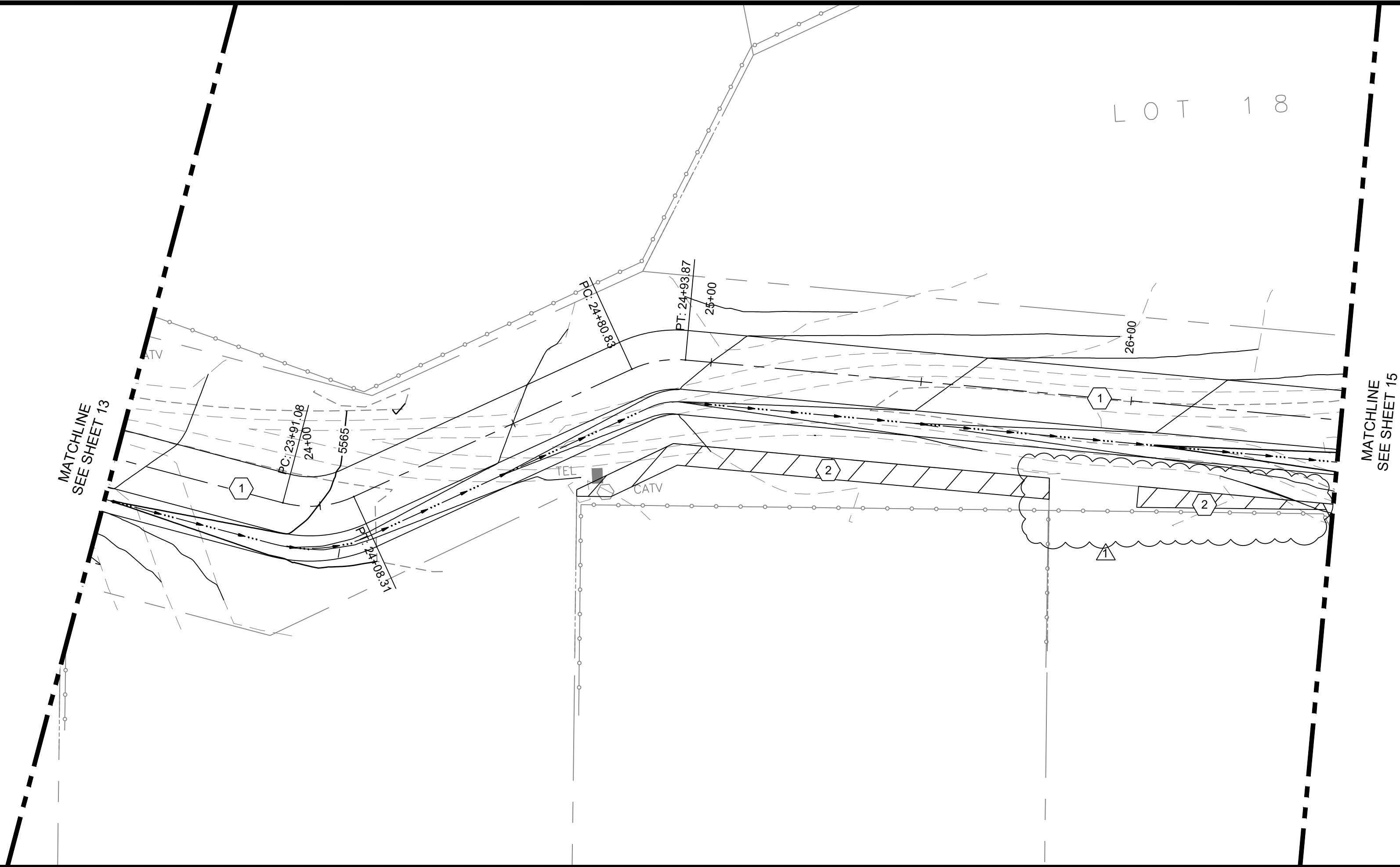
SHEET 13 OF 25



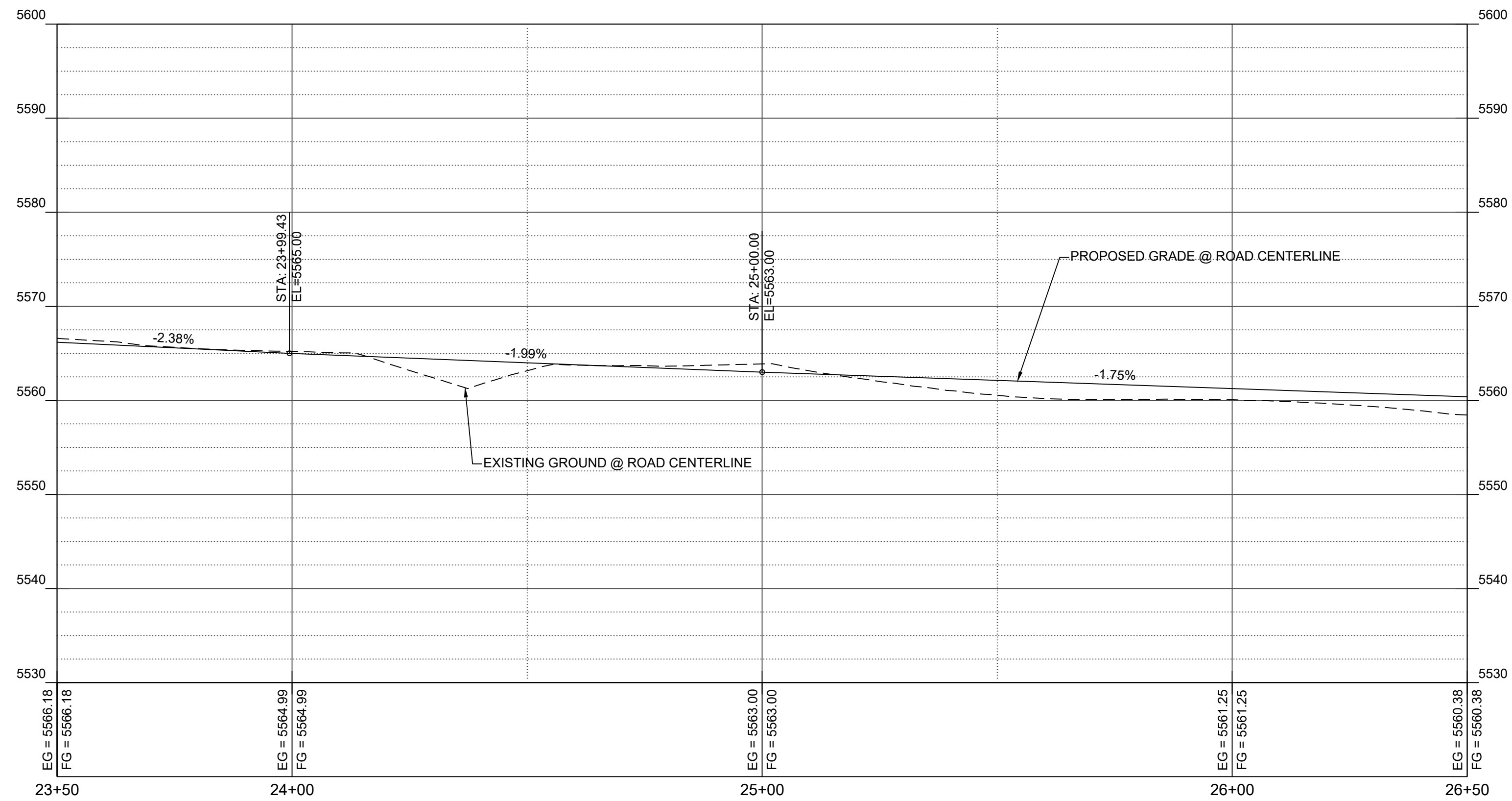
SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'



Wednesday, March 6, 2024 2:42:45 PM - Jamie_Vogel
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ACCESS ROAD PROFILE



KEYED NOTES:

1. CONSTRUCT 14' WIDE MAINTENANCE ACCESS ROAD. SEE DETAIL ON SHEET 22.
2. TEMPORARY CONSTRUCTION EASEMENT.



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SUNSET CHANNEL IMPROVEMENTS

ACCESS ROAD PLAN AND PROFILE

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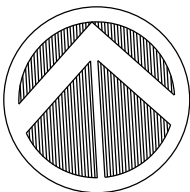
REVISIONS & CHANGE NOTICES

MARK	DESCRIPTION	DATE
1	ADDENDUM #1	3/6/24

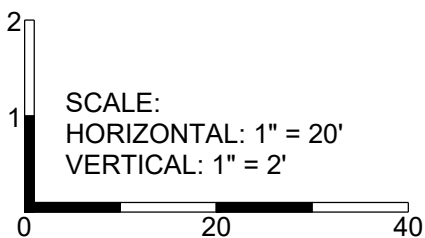
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DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JN
DATE: 2/22/2024

14

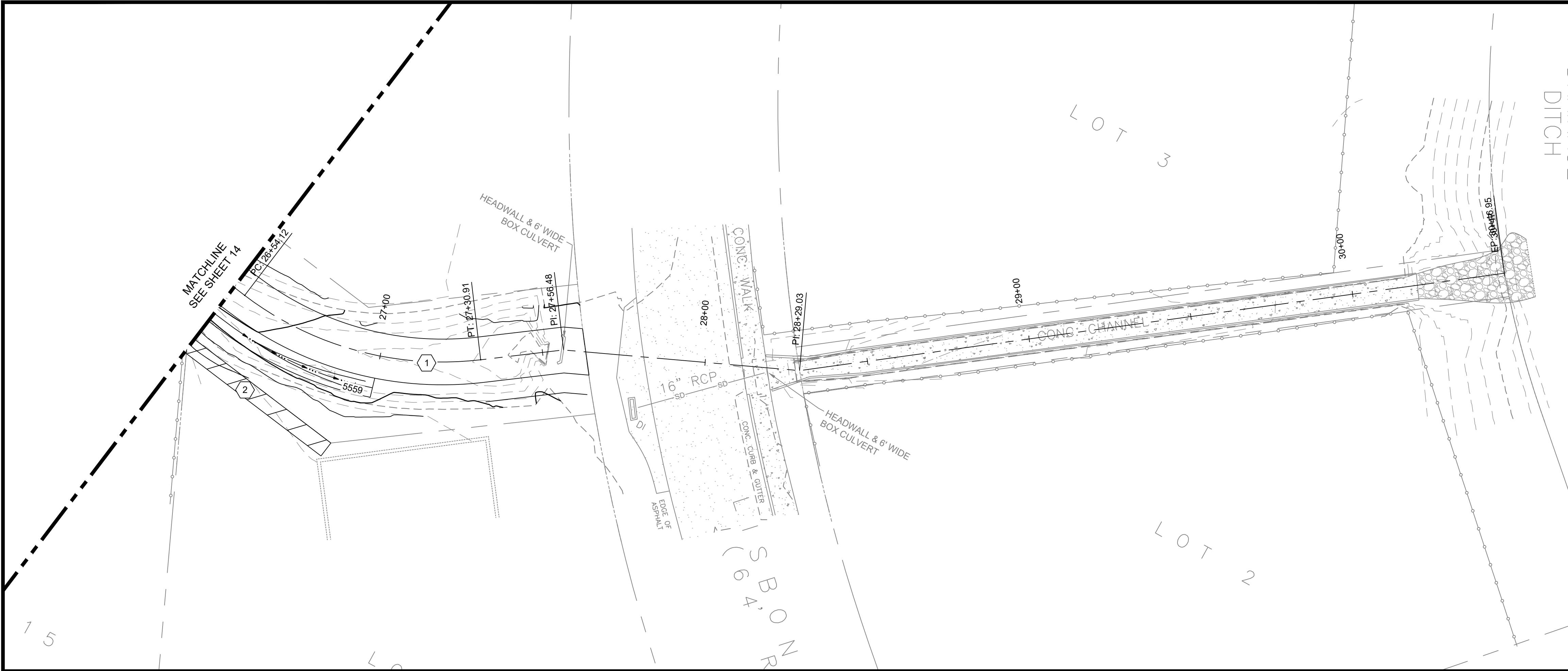
SHEET 14 OF 25



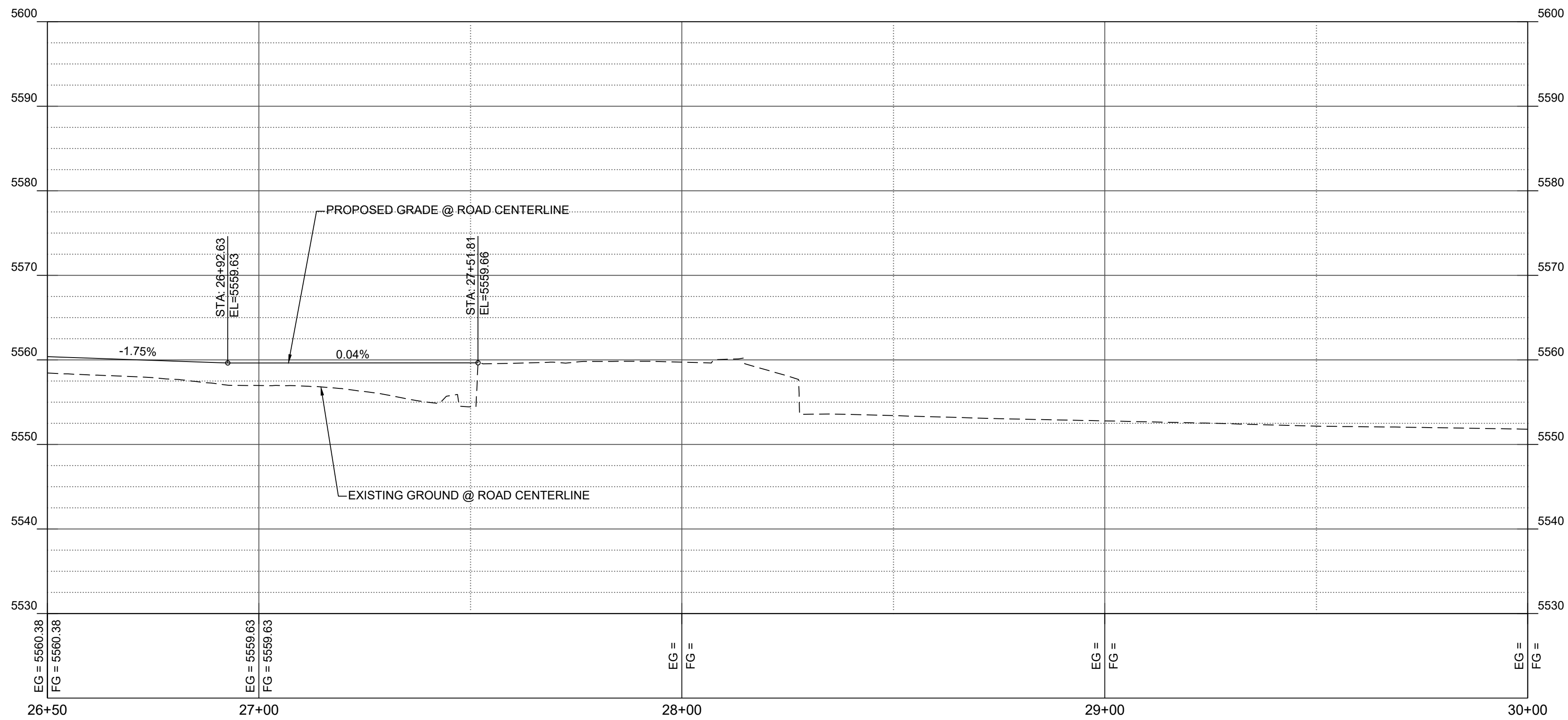
SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'



Wednesday, March 6, 2024 2:42:56 PM - Jamine Vag - Southern Sandoval County Arroyo Flood Control Authority\SSCAFCA_Project_Files\Block\BL_P0002-01\AutoCAD\Sheets\15 ACCESS ROAD PLAN AND PROFILE.dwg



ACCESS ROAD PROFILE



KEYED NOTES:

1. CONSTRUCT 14' WIDE MAINTENANCE ACCESS ROAD. SEE DETAIL ON SHEET 22.
2. TEMPORARY CONSTRUCTION EASEMENT.



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SUNSET CHANNEL IMPROVEMENTS

ACCESS ROAD PLAN AND PROFILE

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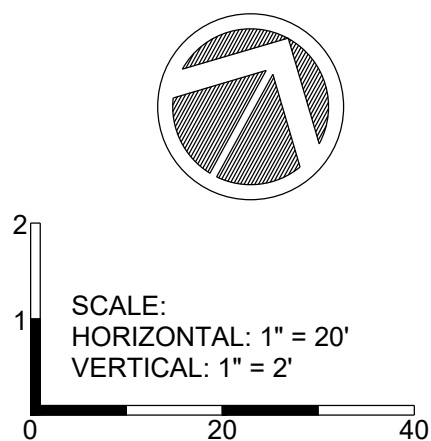
REVISIONS & CHANGE NOTICES

MARK	DESCRIPTION	DATE

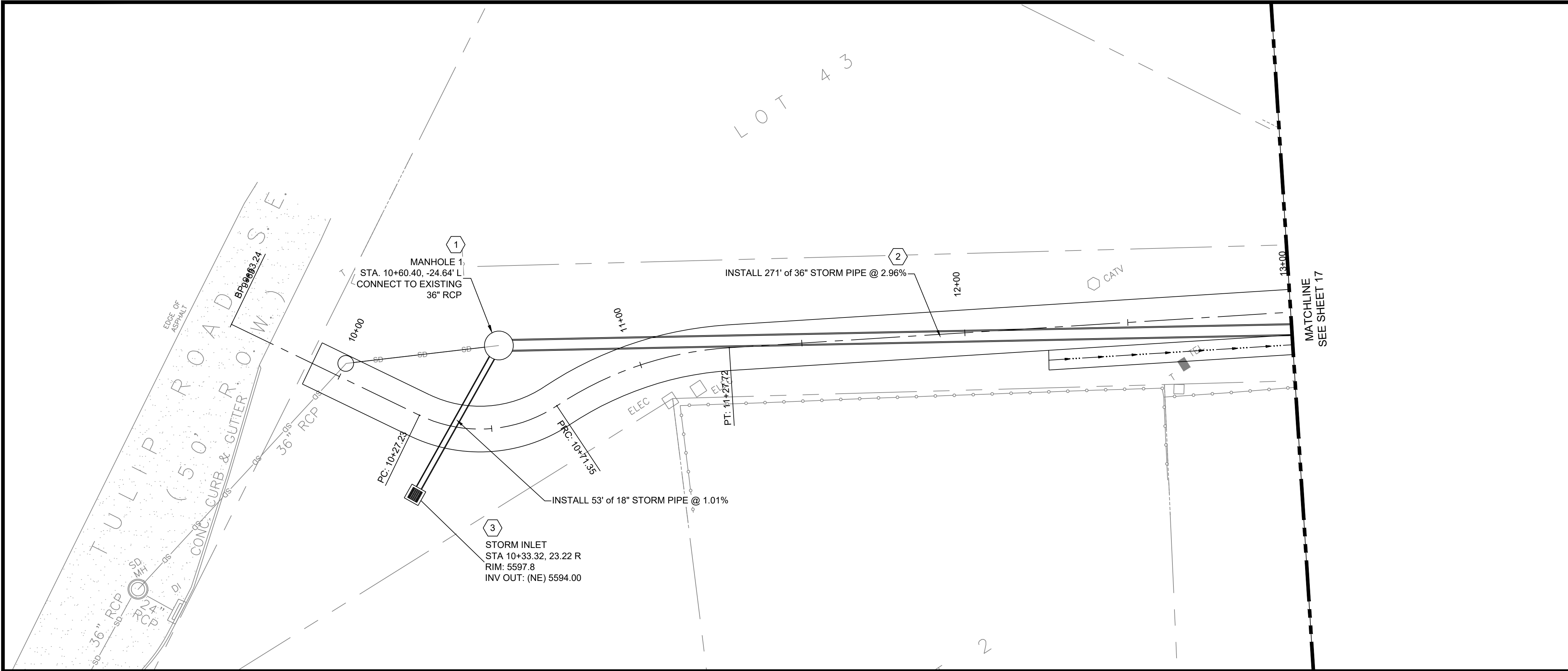
PROJECT NO: BL_P0002-01
DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JN
DATE: 2/22/2024

15

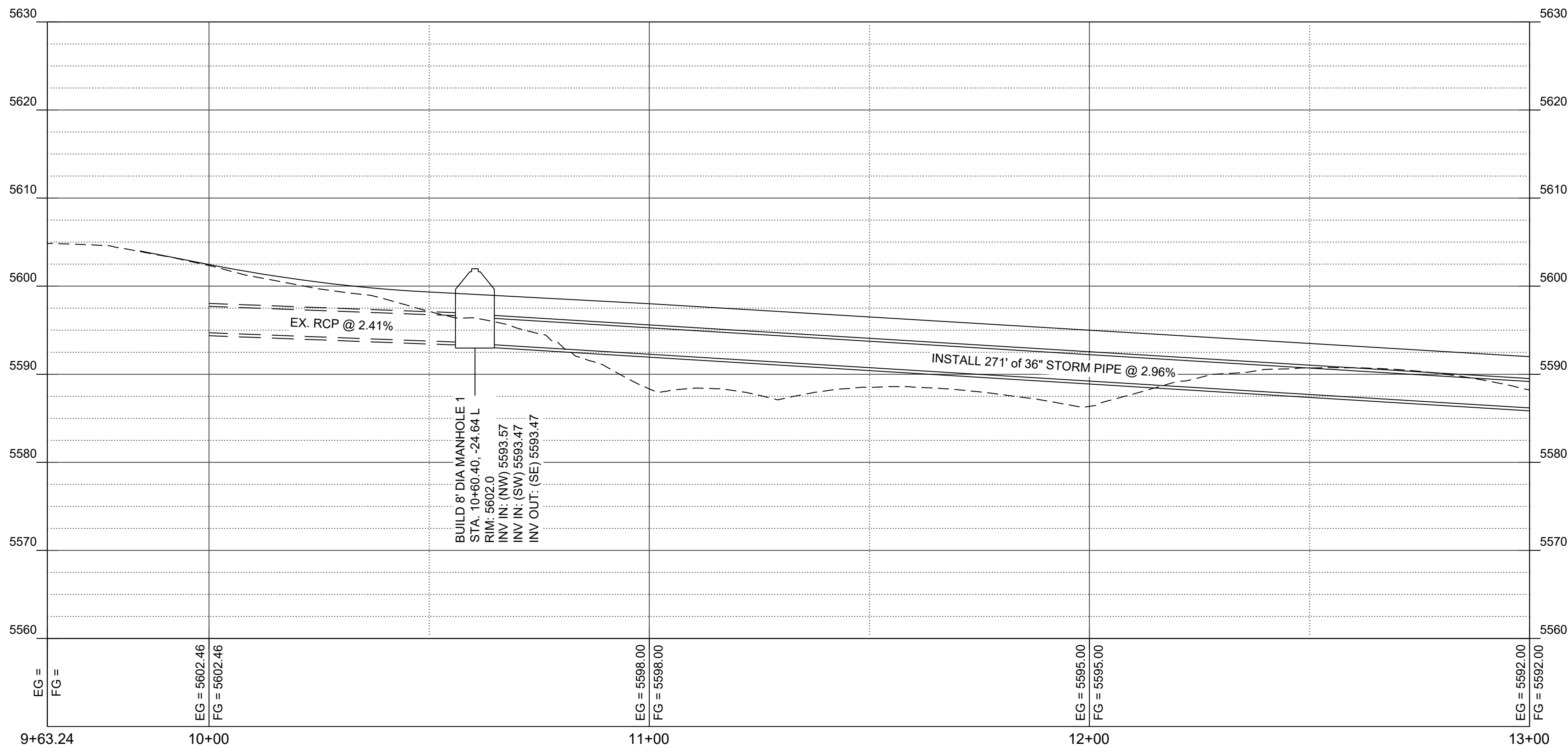
SHEET 15 OF 25



Wednesday, March 6, 2024 2:47:58 PM - Jamine Vag
C:\Users\jamine\OneDrive\Documents\SSCAFCA\Project_Files\SSCAFCA_Arroyo Flood Control Authority\SSCAFCA_Arroyo Flood Control Authority\SSCAFCA_P0002-01\AutoCAD\Sheets\16 STORM DRAIN PLAN AND PROFILE.dwg



SD PROFILE



KEYED NOTES:

1. CONSTRUCT TYPE 'C' MANHOLE PER CORR STD. DWG NO. S-03-01 & S-03-02. SEE DETAIL SHEET 22.
2. INSTALL 36" STORM DRAIN PIPE. SEE CORR STD. DWG. S-04. SEE DETAIL SHEET 22.
3. CONSTRUCT DRAINAGE STORM INLET DOUBLE "D" PER NMDOT STD. DWG. 623-01-1/1 AND 623-02-1/1. SEE DETAIL SHEET 24.



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SUNSET CHANNEL IMPROVEMENTS

STORM DRAIN PLAN AND PROFILE

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

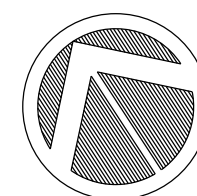
REVISIONS & CHANGE NOTICES

MARK	DESCRIPTION	DATE

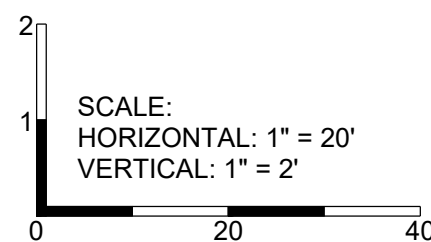
PROJECT NO: BL_P0002-01
DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JN
DATE: 2/22/2024

16

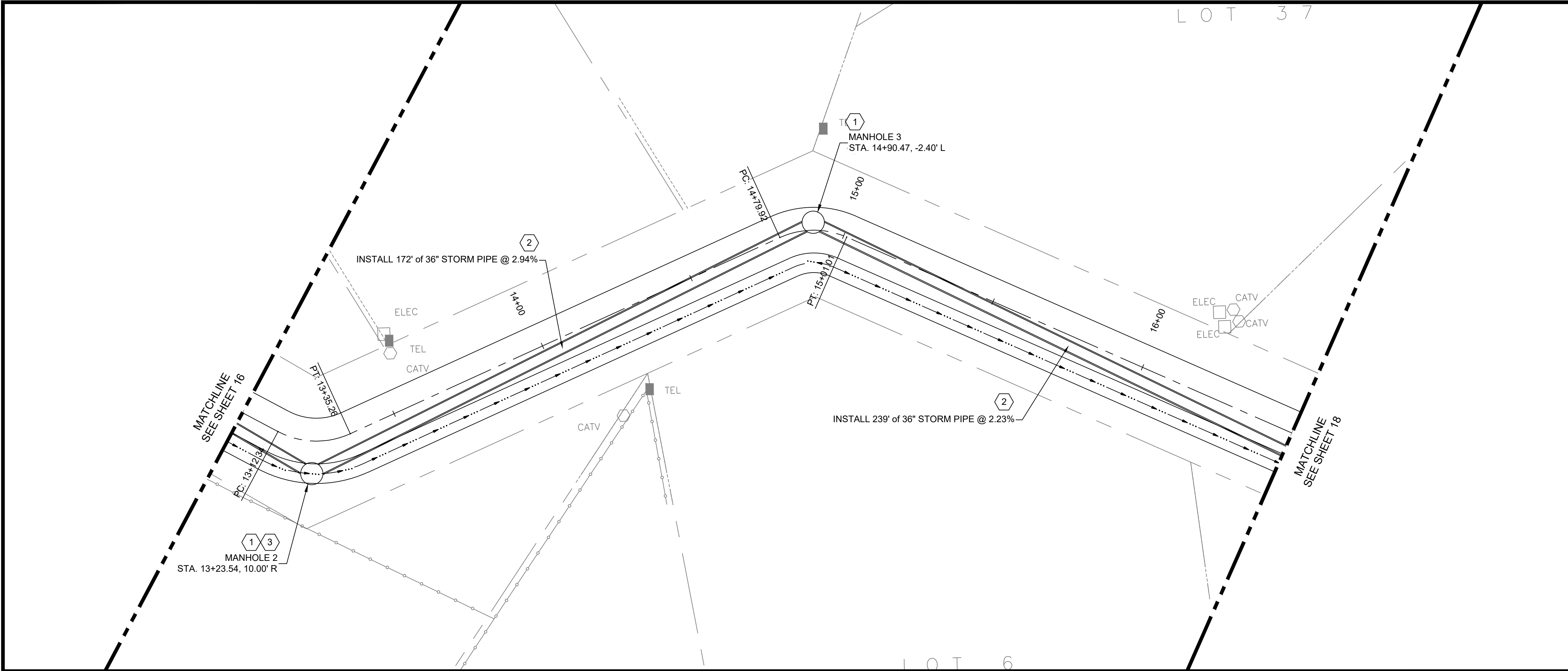
SHEET 16 OF 25



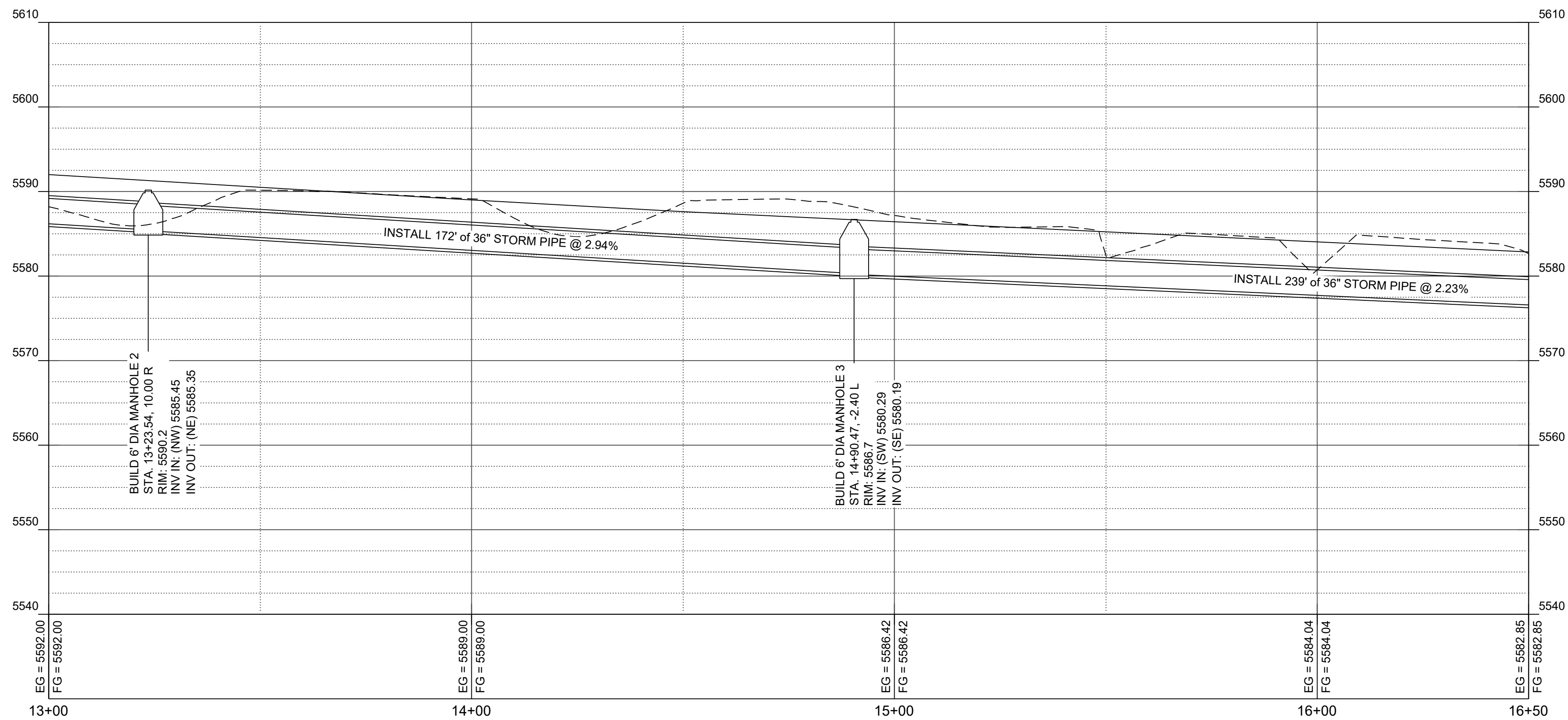
SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'



Wednesday, March 6, 2024 2:43:04 PM - Jamie_Vega
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SD PROFILE



KEYED NOTES:

1. CONSTRUCT TYPE 'C' MANHOLE PER CORR STD. DWG NO. S-03-01 & S-03-02. SEE DETAIL SHEET 22.
2. INSTALL 36" STORM DRAIN PIPE. SEE CORR STD. DWG. S-04. SEE DETAIL SHEET 22.
3. INSTALL TRASH RAX - RS-48 OR APPROVED EQUAL ON 36" MANHOLE OPENING. CONTRACTOR TO GRADE AROUND STRUCTURE TO FIT. SEE DETAIL SHEET 24.



Southern Sandoval County Arroyo Flood Control Authority

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SUNSET CHANNEL IMPROVEMENTS

STORM DRAIN PLAN AND PROFILE

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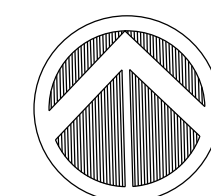
REVISIONS & CHANGE NOTICES

MARK	DESCRIPTION	DATE

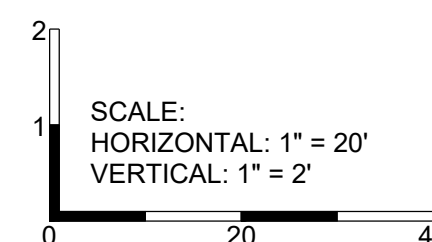
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DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JN
DATE: 2/22/2024

17

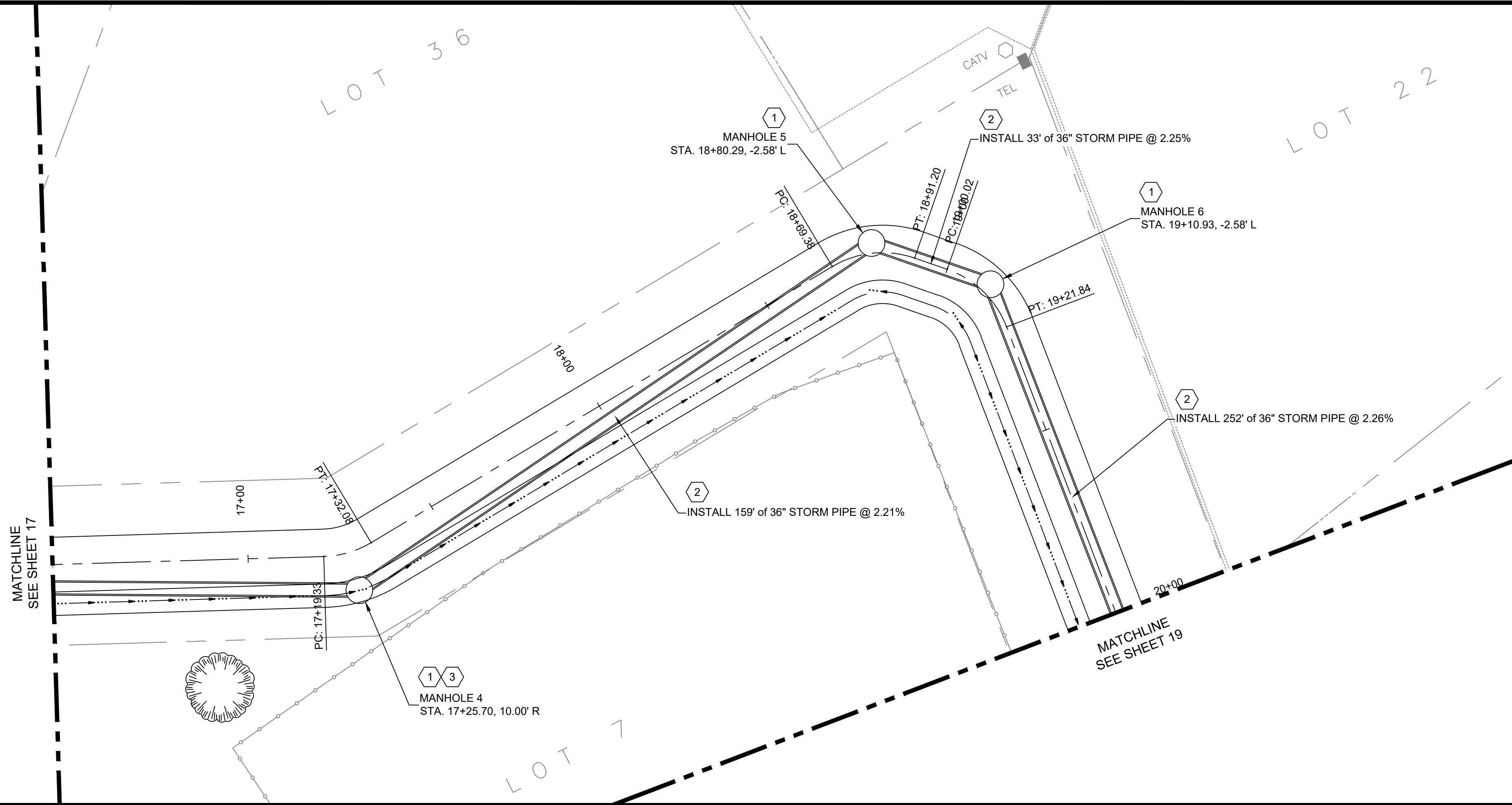
SHEET 17 OF 25



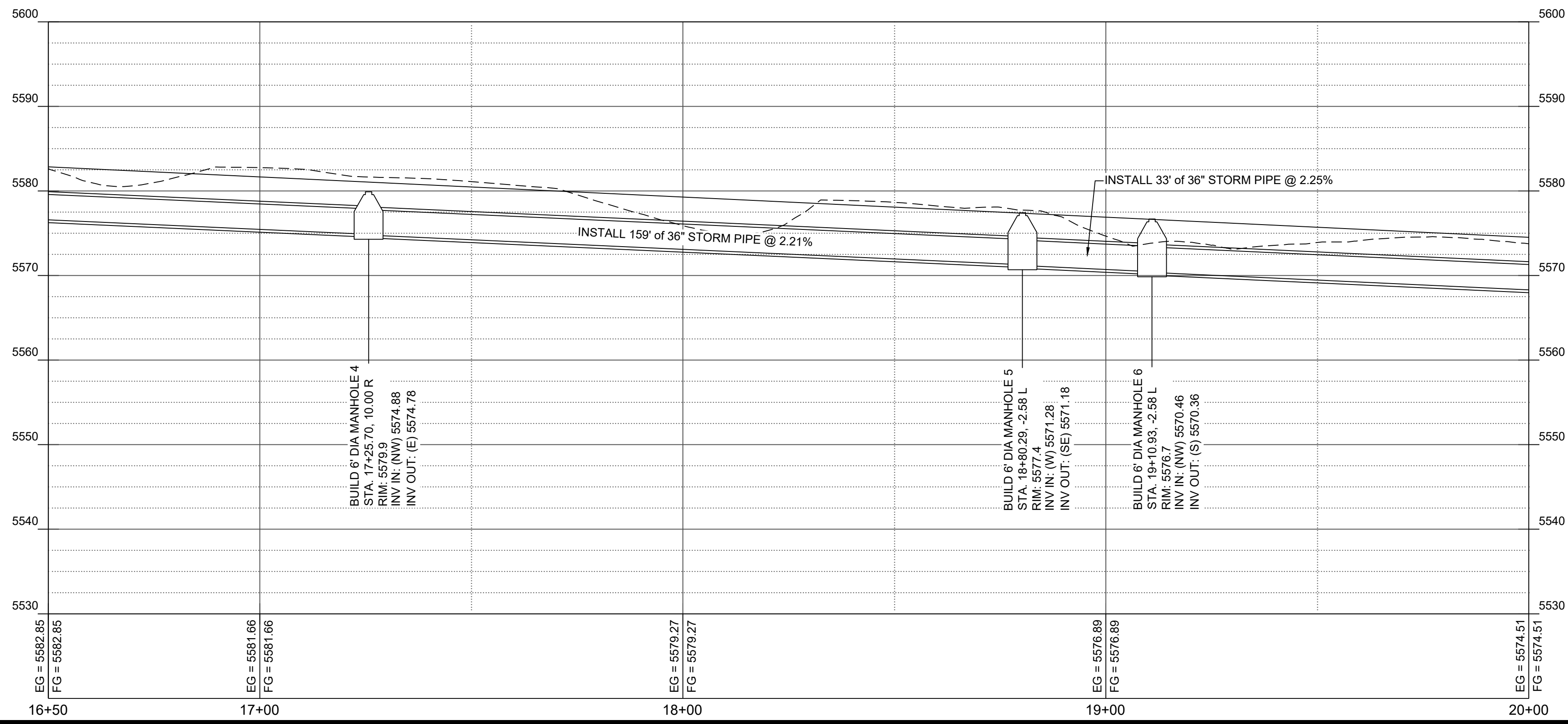
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HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'



Wednesday, March 6, 2024 2:43:08 PM -- James Vagstad
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SD PROFILE



KEYED NOTES:

1. CONSTRUCT TYPE 'C' MANHOLE PER CORR STD. DWG NO. S-03-01 & S-03-02. SEE DETAIL SHEET 22.
2. INSTALL 36" STORM DRAIN PIPE. SEE CORR STD. DWG. S-04. SEE DETAIL SHEET 22.
3. INSTALL TRASH RAX - RS-48 OR APPROVED EQUAL ON 36" MANHOLE OPENING. CONTRACTOR TO GRADE AROUND STRUCTURE TO FIT. SEE DETAIL SHEET 24.



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SUNSET CHANNEL IMPROVEMENTS

STORM DRAIN PLAN AND PROFILE

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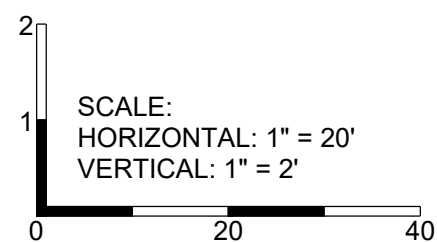
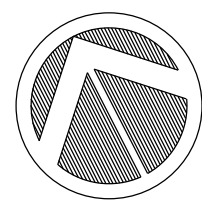
REVISIONS & CHANGE NOTICES

MARK	DESCRIPTION	DATE

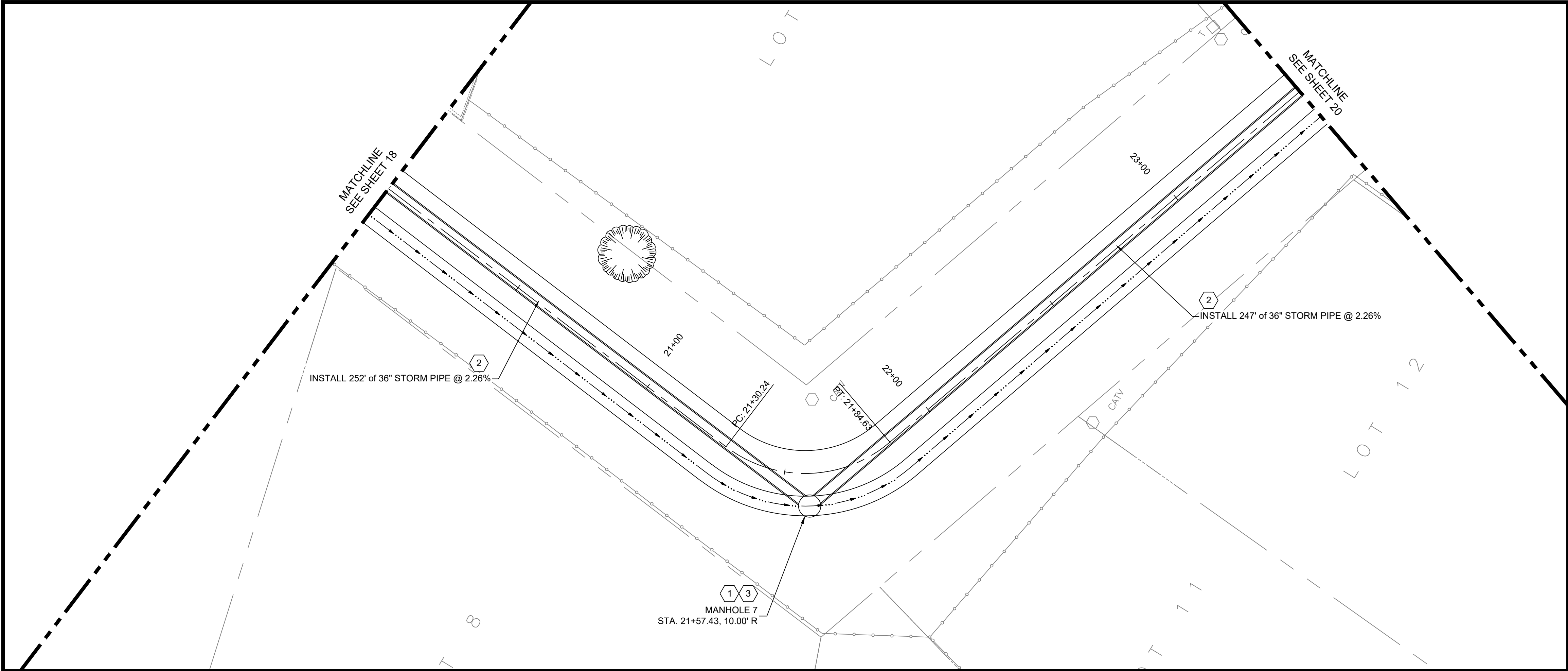
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DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JN
DATE: 2/22/2024

18

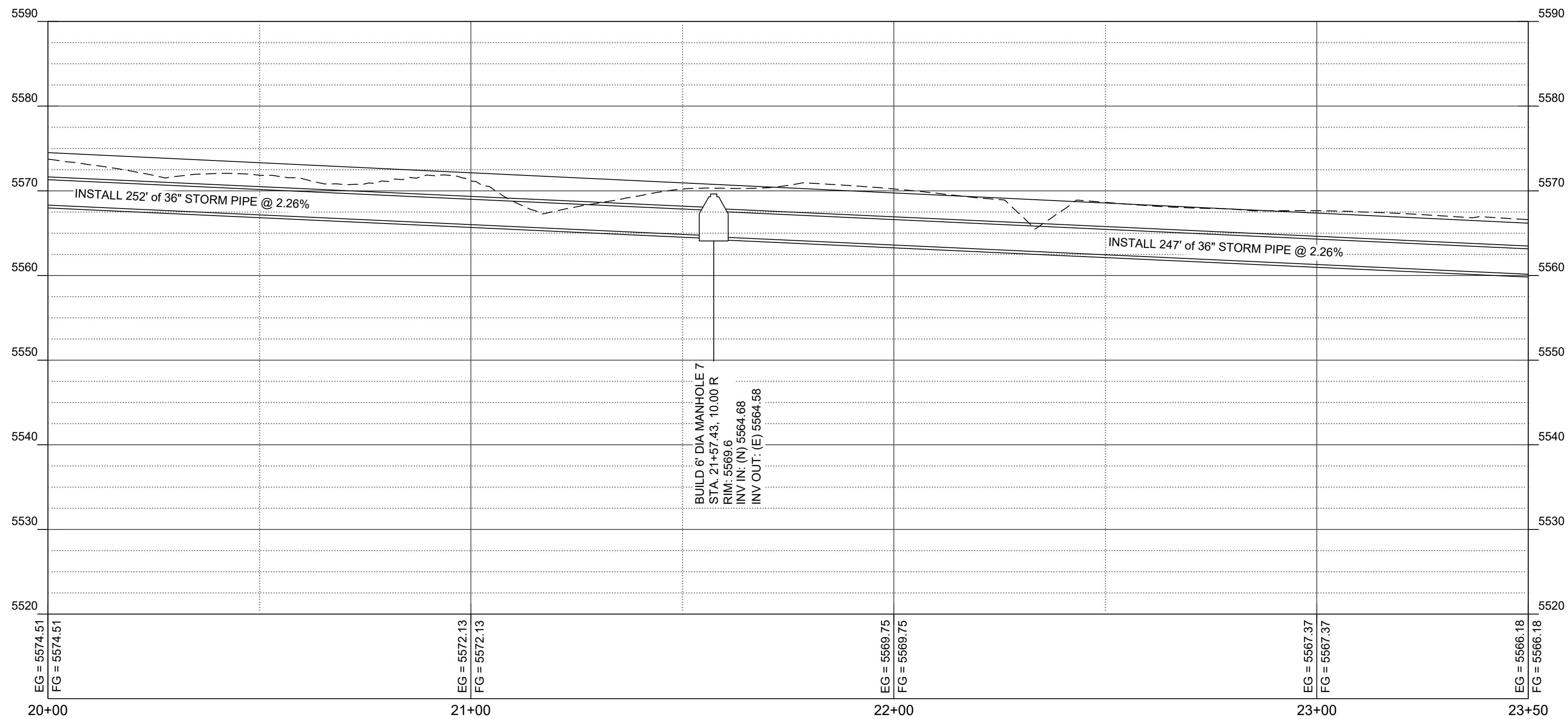
SHEET 18 OF 25



Wednesday, March 6, 2024 2:43:14 PM - Jane_Vojt
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SD PROFILE



KEYED NOTES:

1. CONSTRUCT TYPE 'C' MANHOLE PER CORR STD. DWG NO. S-03-01 & S-03-02. SEE DETAIL SHEET 22.
2. INSTALL 36" STORM DRAIN PIPE. SEE CORR STD. DWG. S-04. SEE DETAIL SHEET 22.
3. INSTALL TRASH RAX - RS-48 OR APPROVED EQUAL ON 36" MANHOLE OPENING. CONTRACTOR TO GRADE AROUND STRUCTURE TO FIT. SEE DETAIL SHEET 24.



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SUNSET CHANNEL IMPROVEMENTS

STORM DRAIN 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: BL_P0002-01

DESIGNED BY: AES

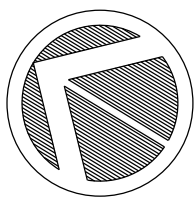
DRAWN BY: JDV

CHECKED BY: JN

DATE: 2/22/2024

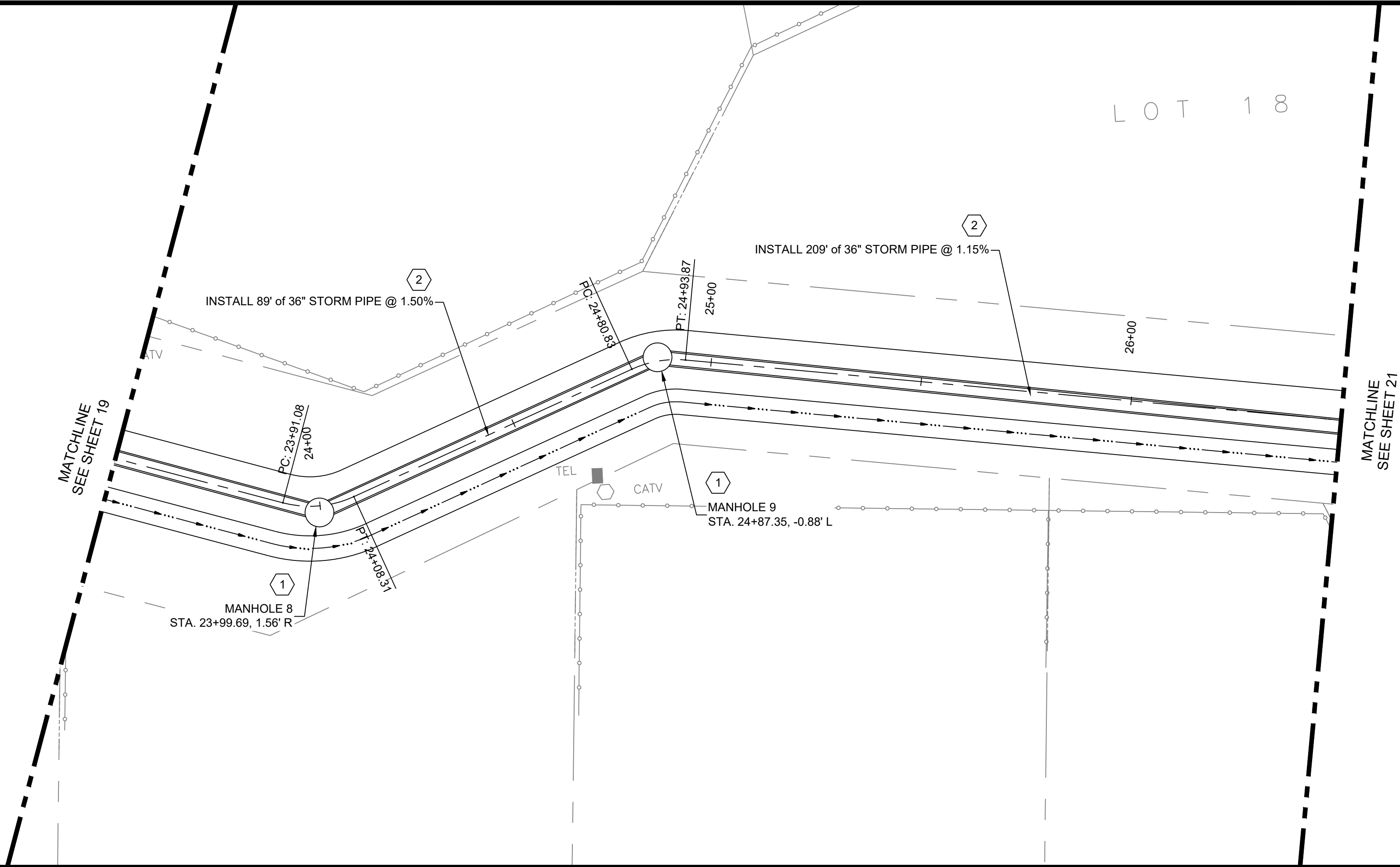
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SHEET 19 OF 25

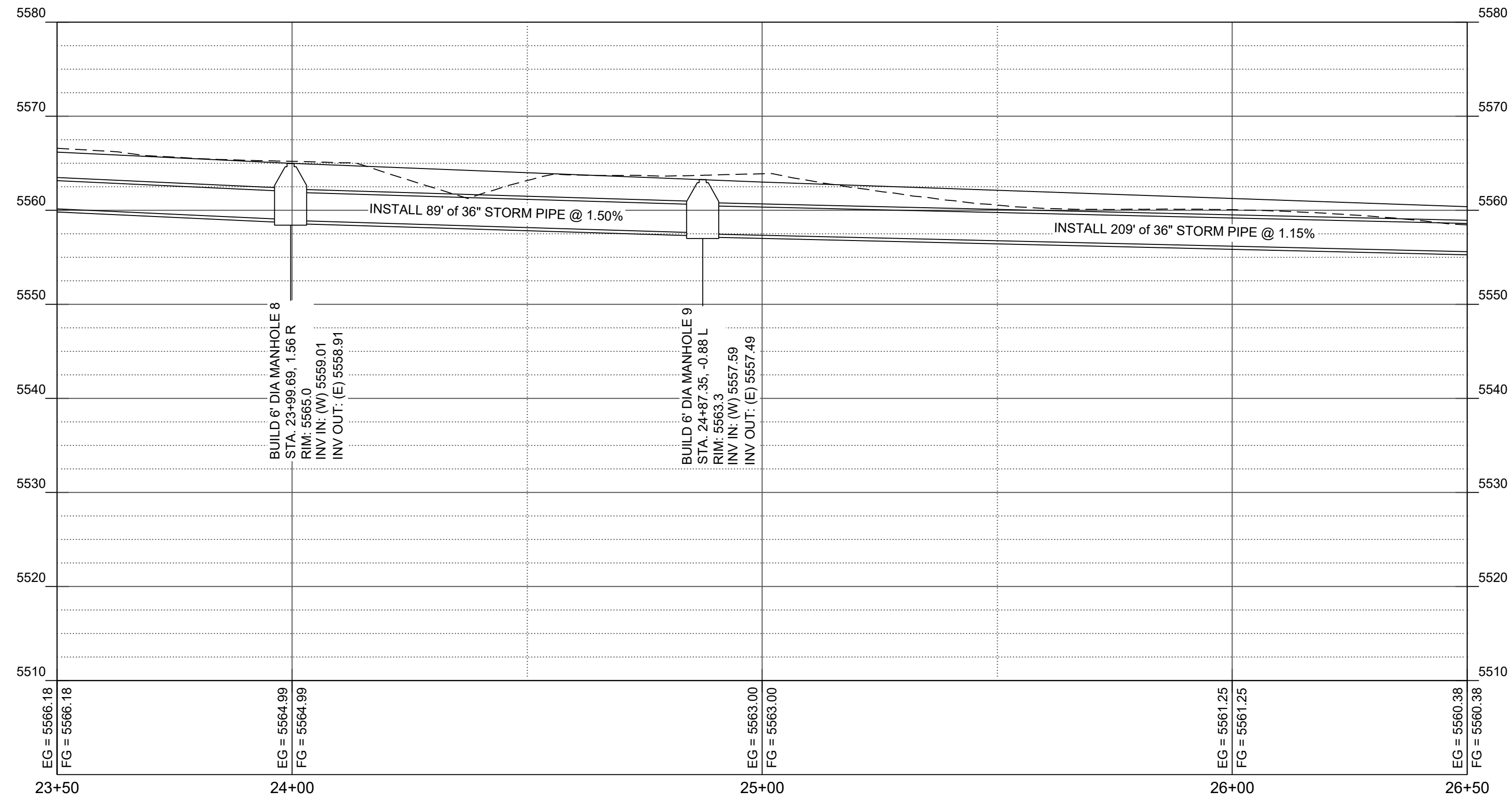


SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'

Wednesday, March 6, 2024 2:43:26 PM - Jamie_Vega
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SD PROFILE



KEYED NOTES:

1. CONSTRUCT TYPE 'C' MANHOLE PER CORR STD. DWG NO. S-03-01 & S-03-02. SEE DETAIL SHEET 22.
2. INSTALL 36" STORM DRAIN PIPE. SEE CORR STD. DWG. S-04. SEE DETAIL SHEET 22.



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SUNSET CHANNEL IMPROVEMENTS

STORM DRAIN PLAN AND PROFILE

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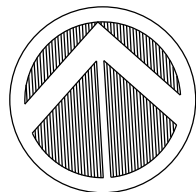
REVISIONS & CHANGE NOTICES

MARK	DESCRIPTION	DATE

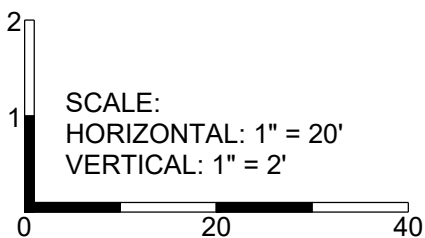
PROJECT NO: BL_P0002-01
DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JN
DATE: 2/22/2024

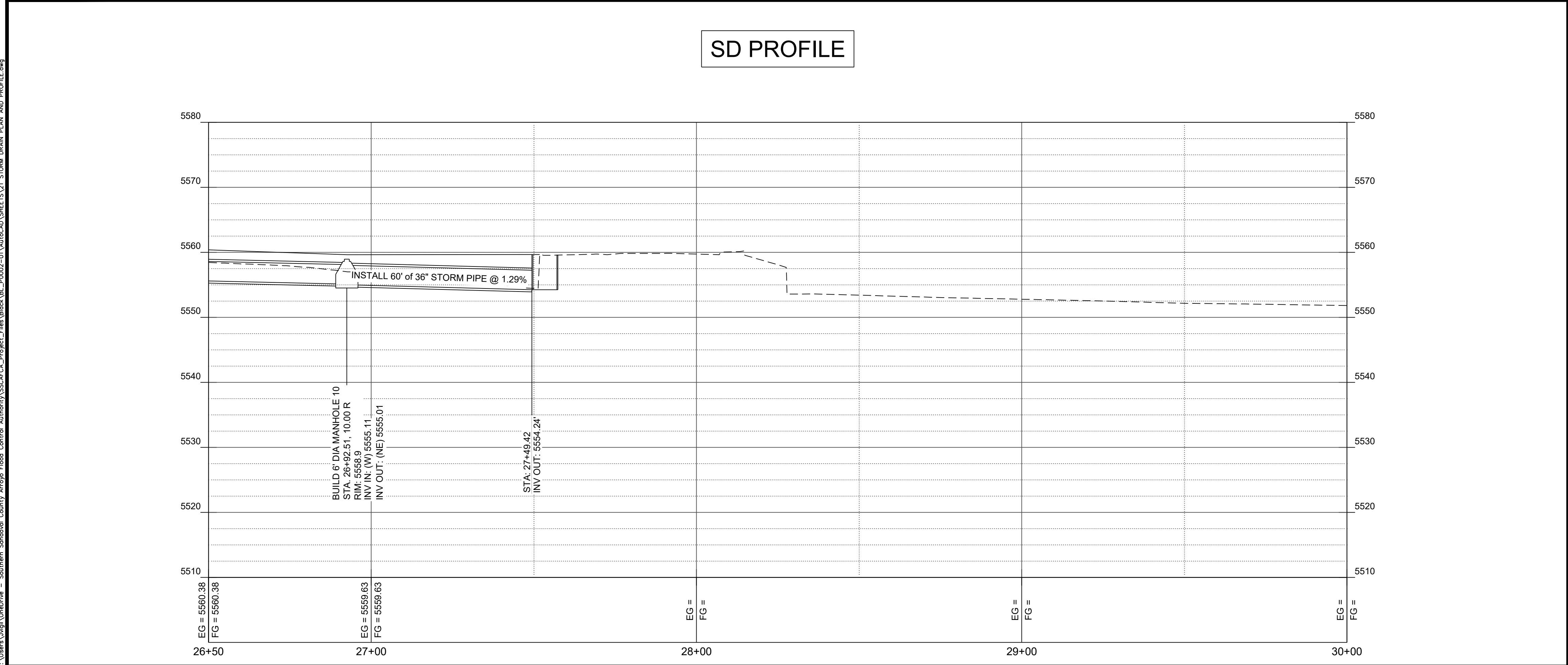
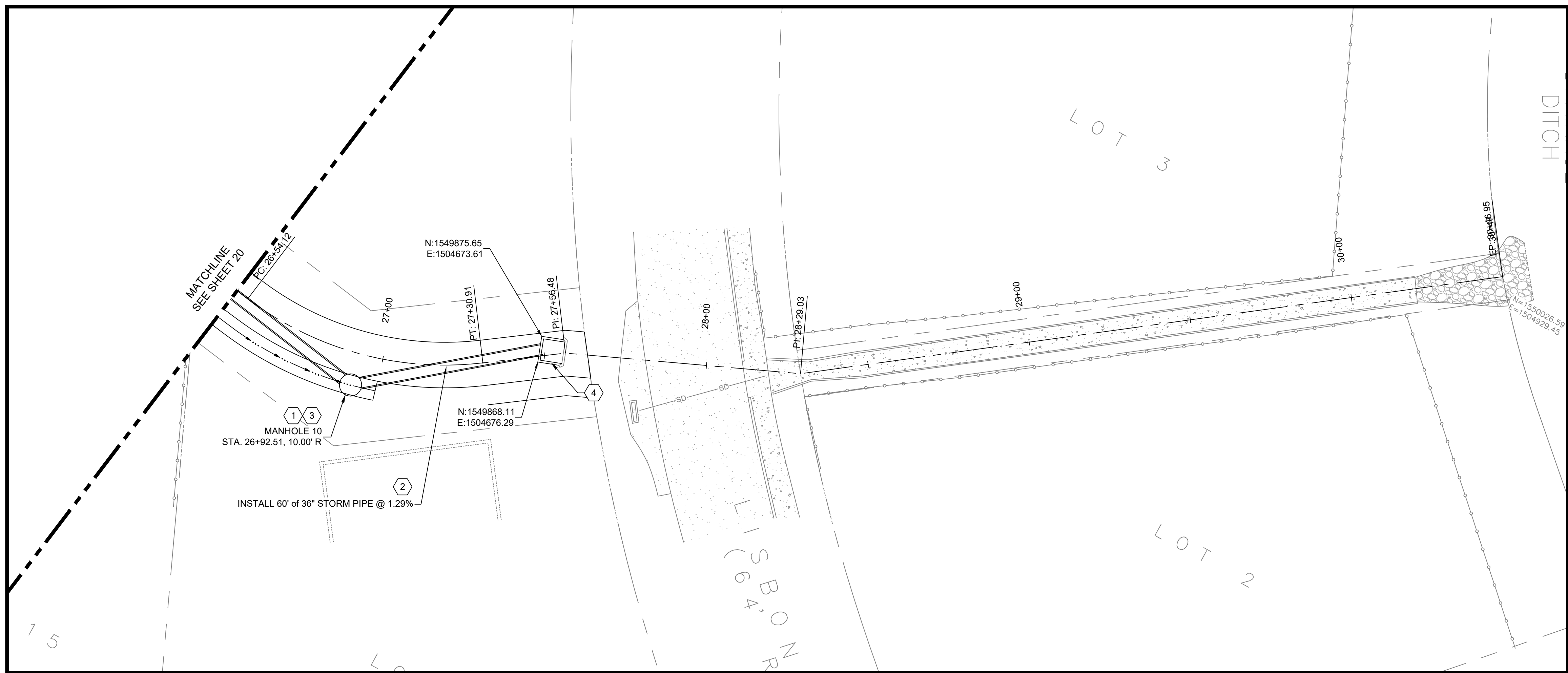
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SHEET 20 OF 25



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





-  KEYED NOTES:
1. CONSTRUCT TYPE 'C' MANHOLE PER CORR STD. DWG NO. S-03-01 & S-03-02. SEE DETAIL SHEET 22.
 2. INSTALL 36" STORM DRAIN PIPE. SEE CORR STD. DWG. S-04- SEE DETAIL SHEET 22.
 3. INSTALL TRASH RAK - RS-48 OR APPROVED EQUAL ON 36" MANHOLE OPENING. CONTRACTOR TO GRADE AROUND STRUCTURE TO FIT. SEE DETAIL SHEET 24.
 4. INSTALL JUNCTION BOX. SEE DETAIL SHEETS 24 & 25.



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SUNSET CHANNEL IMPROVEMENTS

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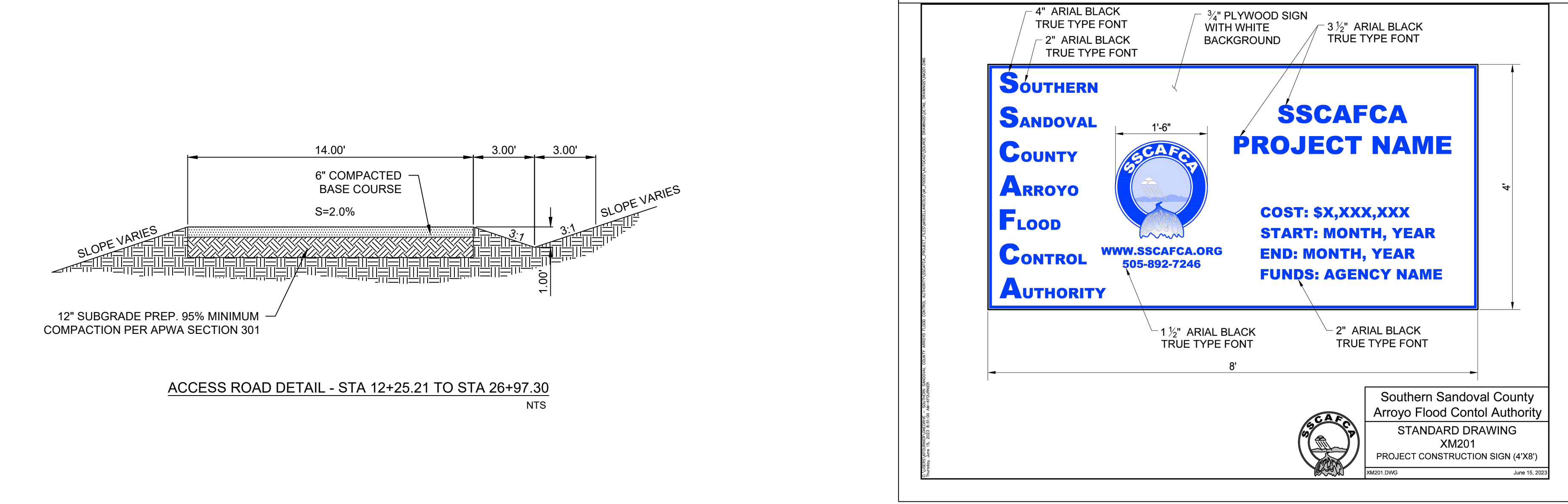
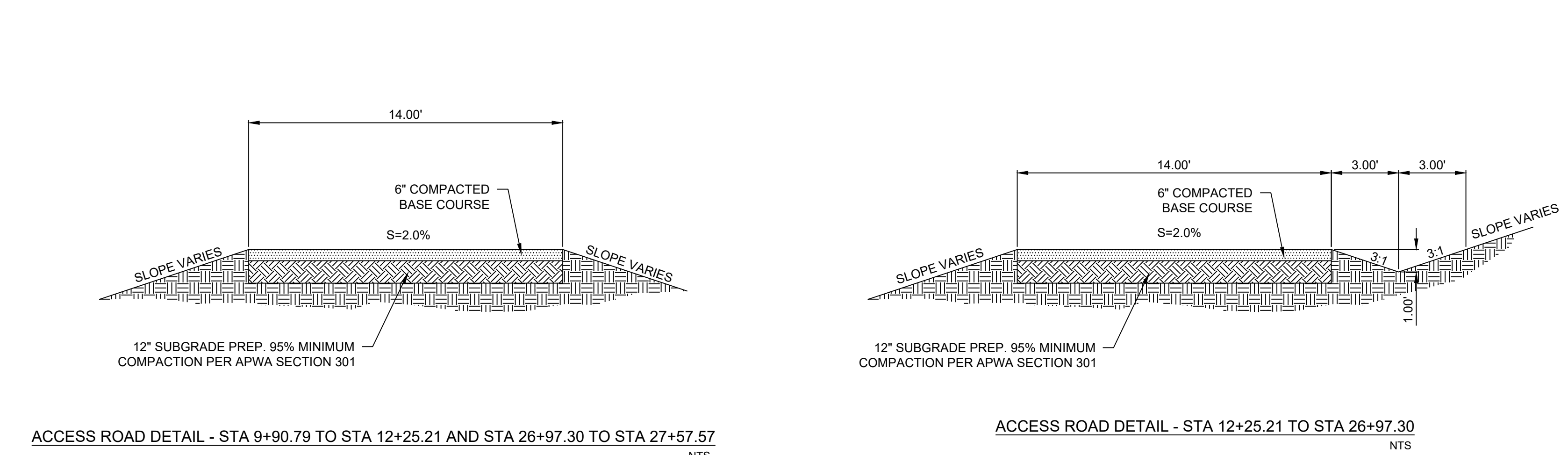
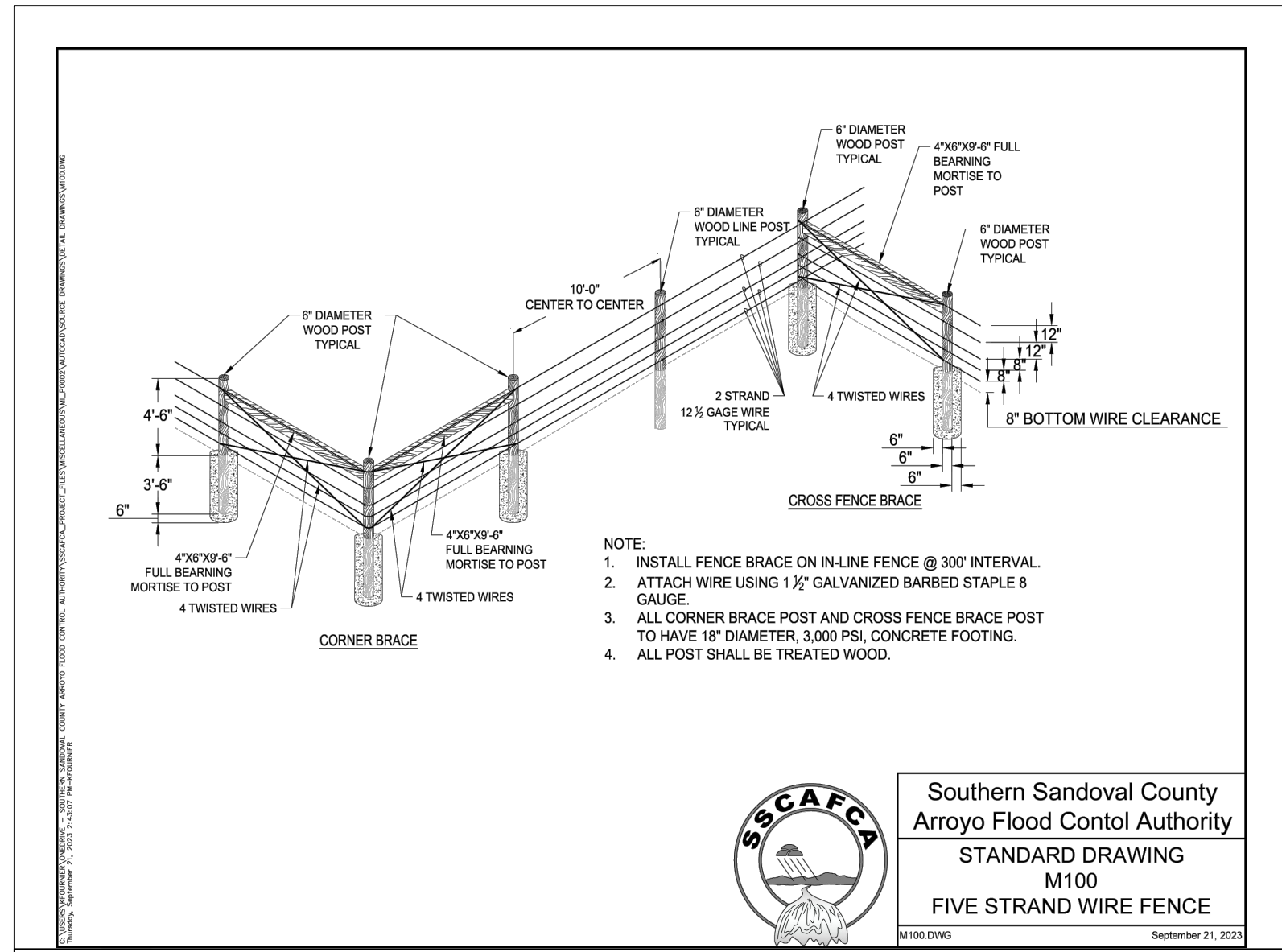
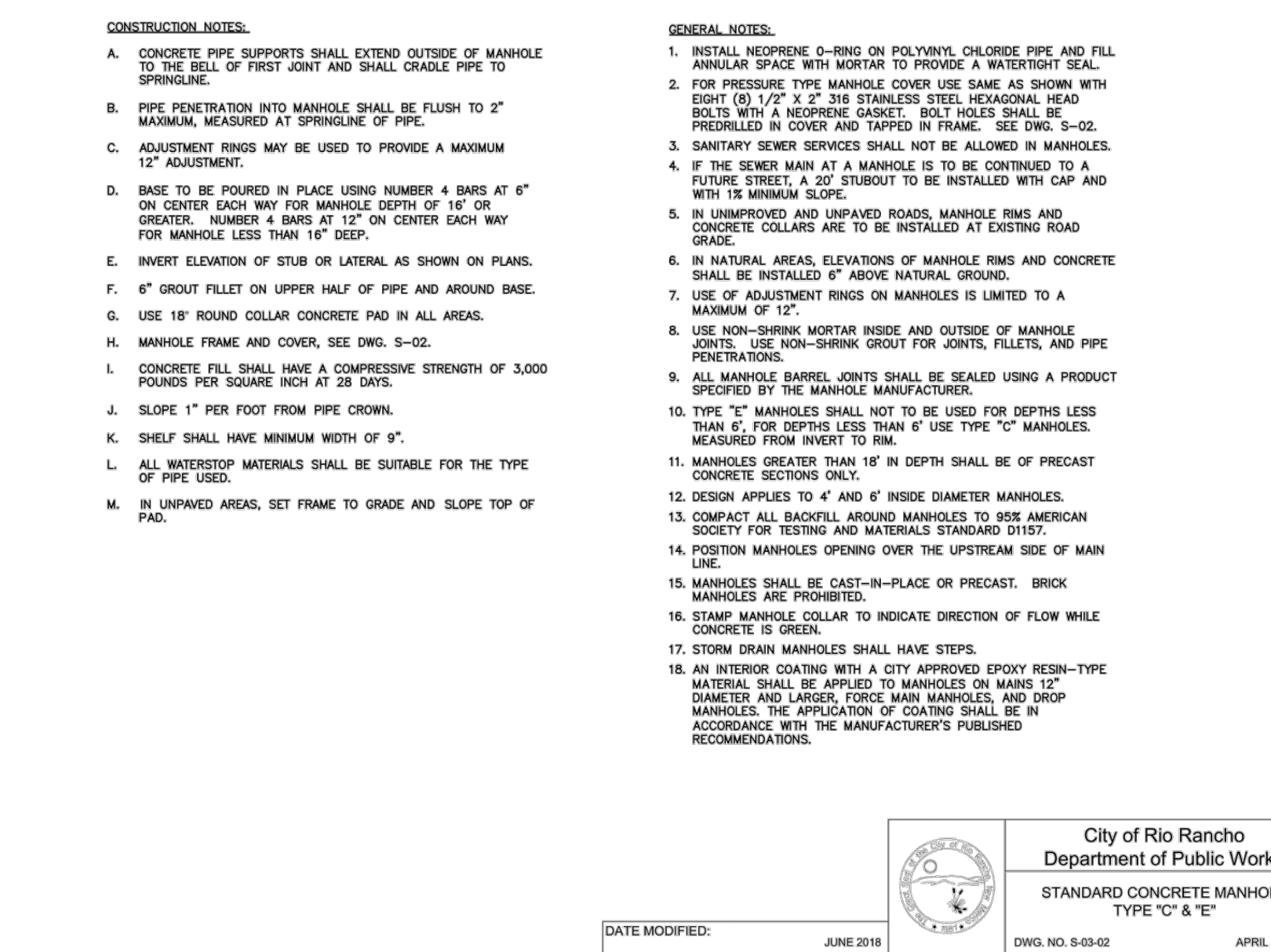
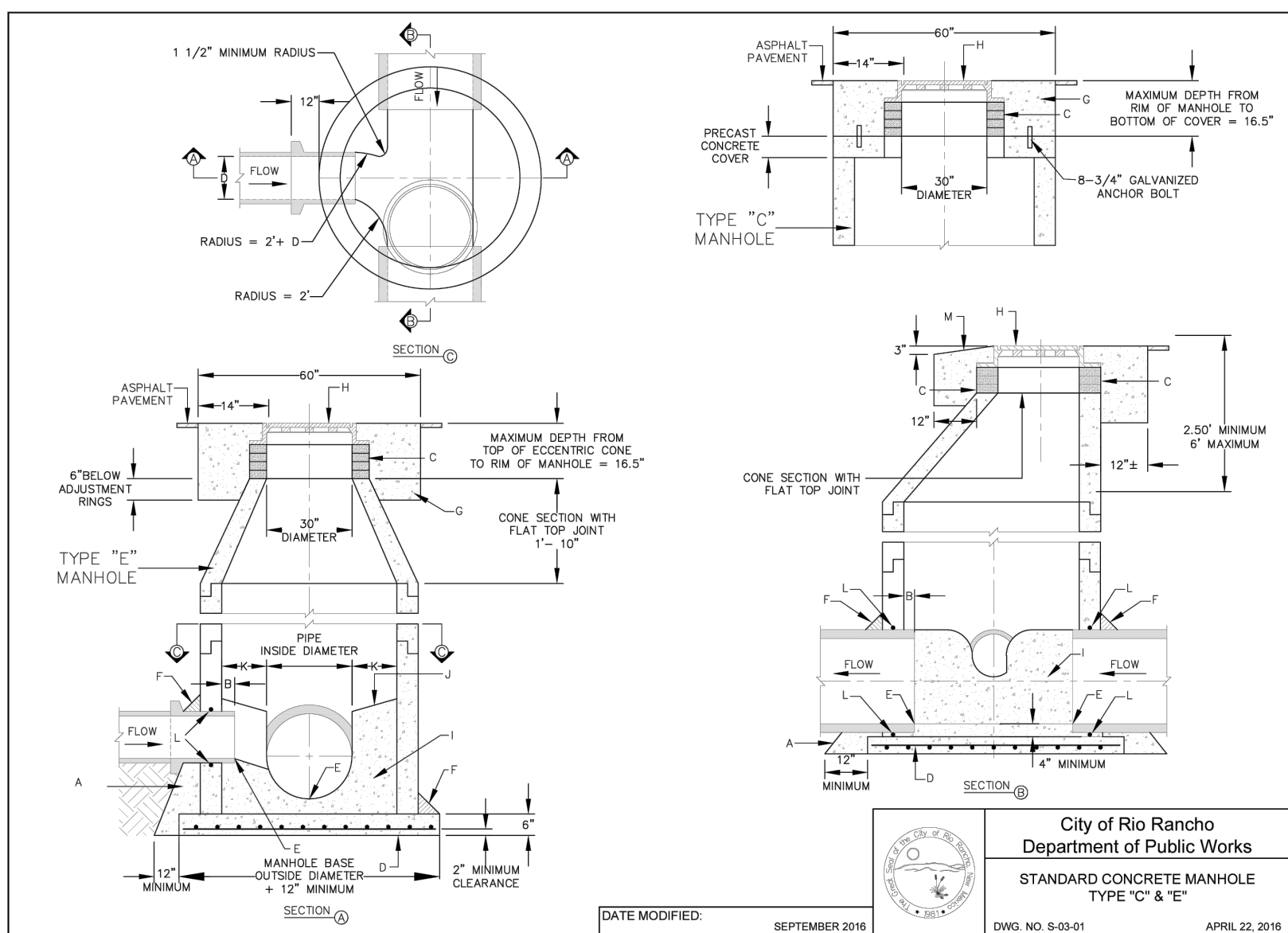
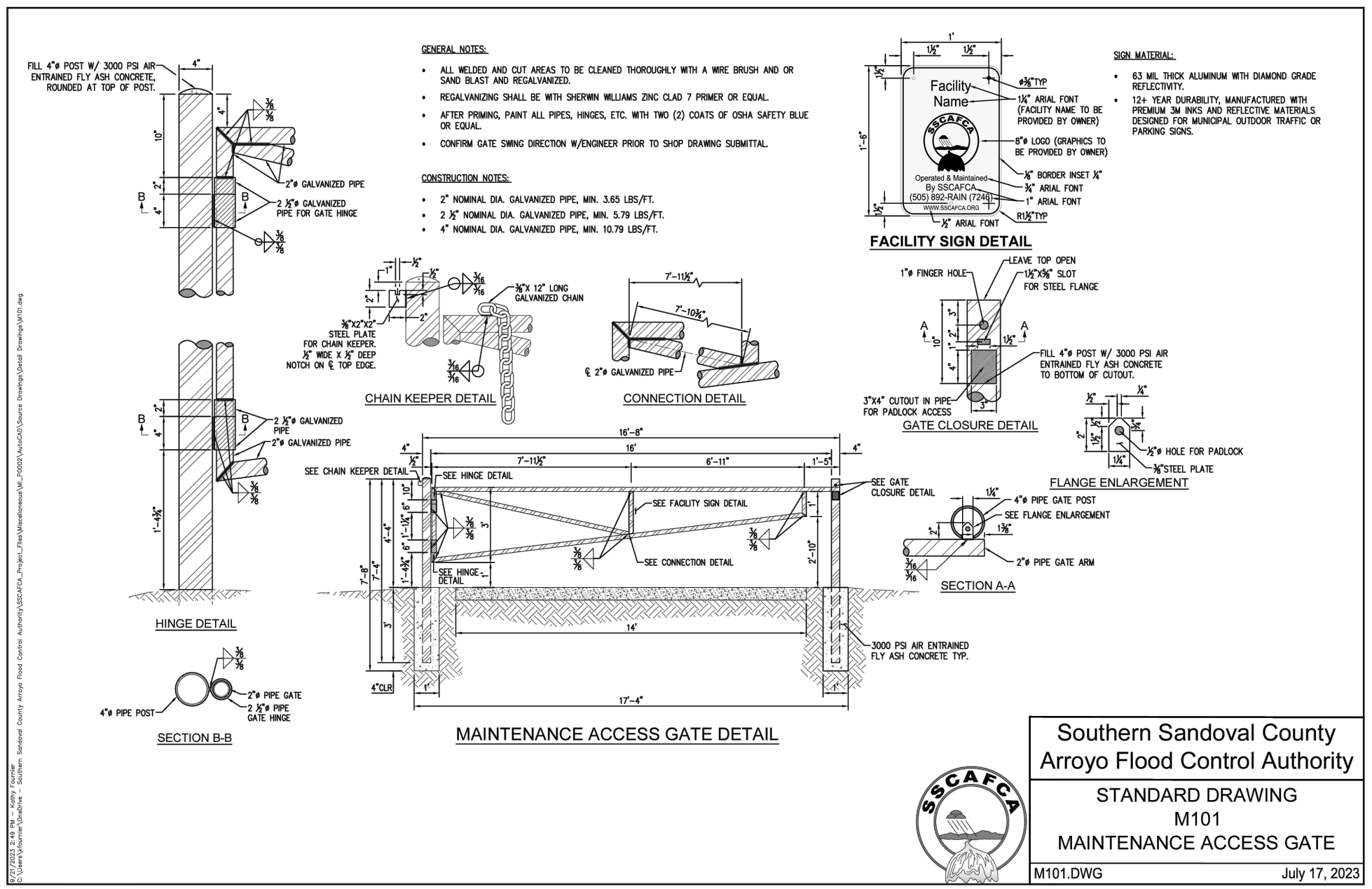
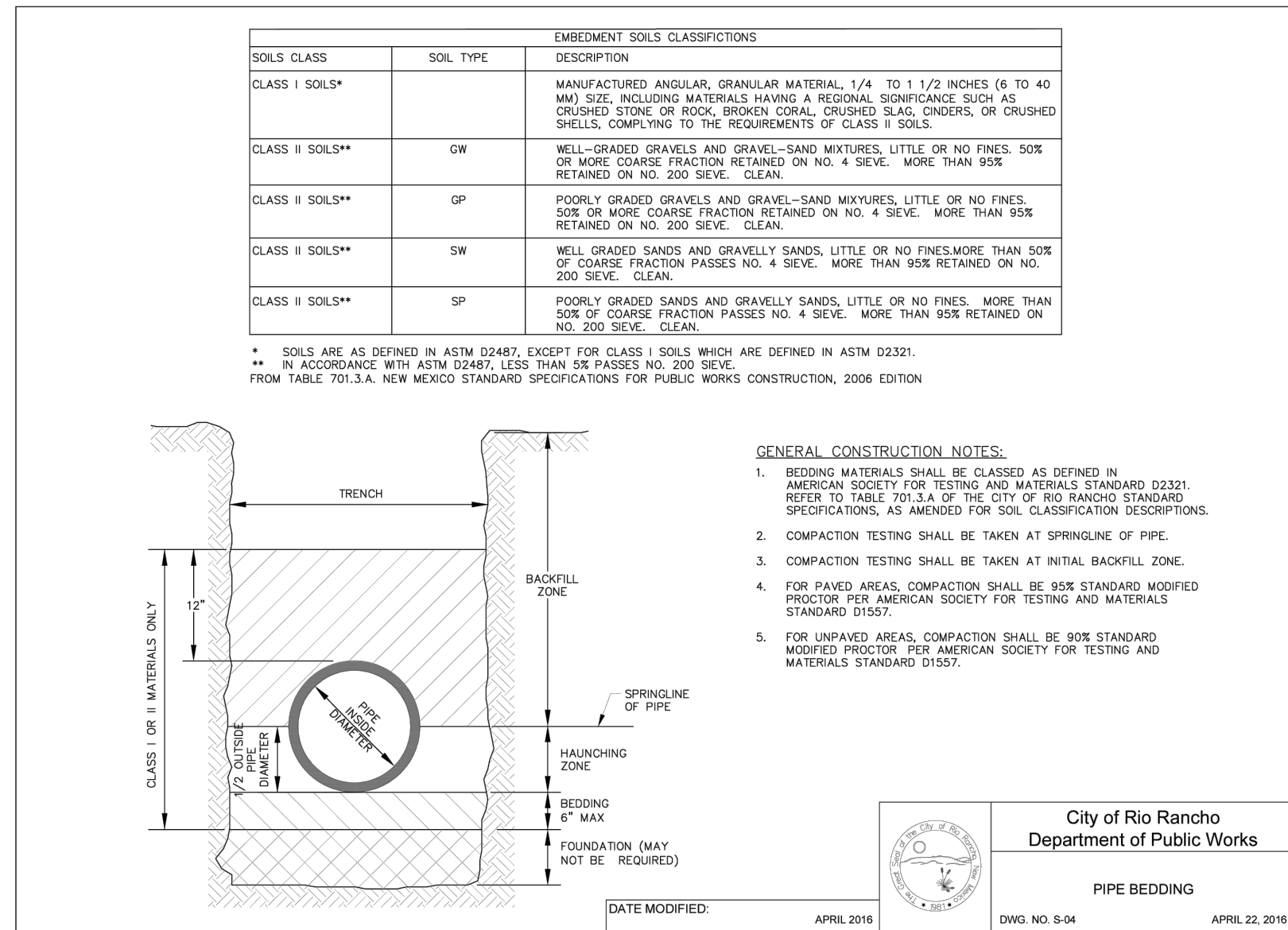
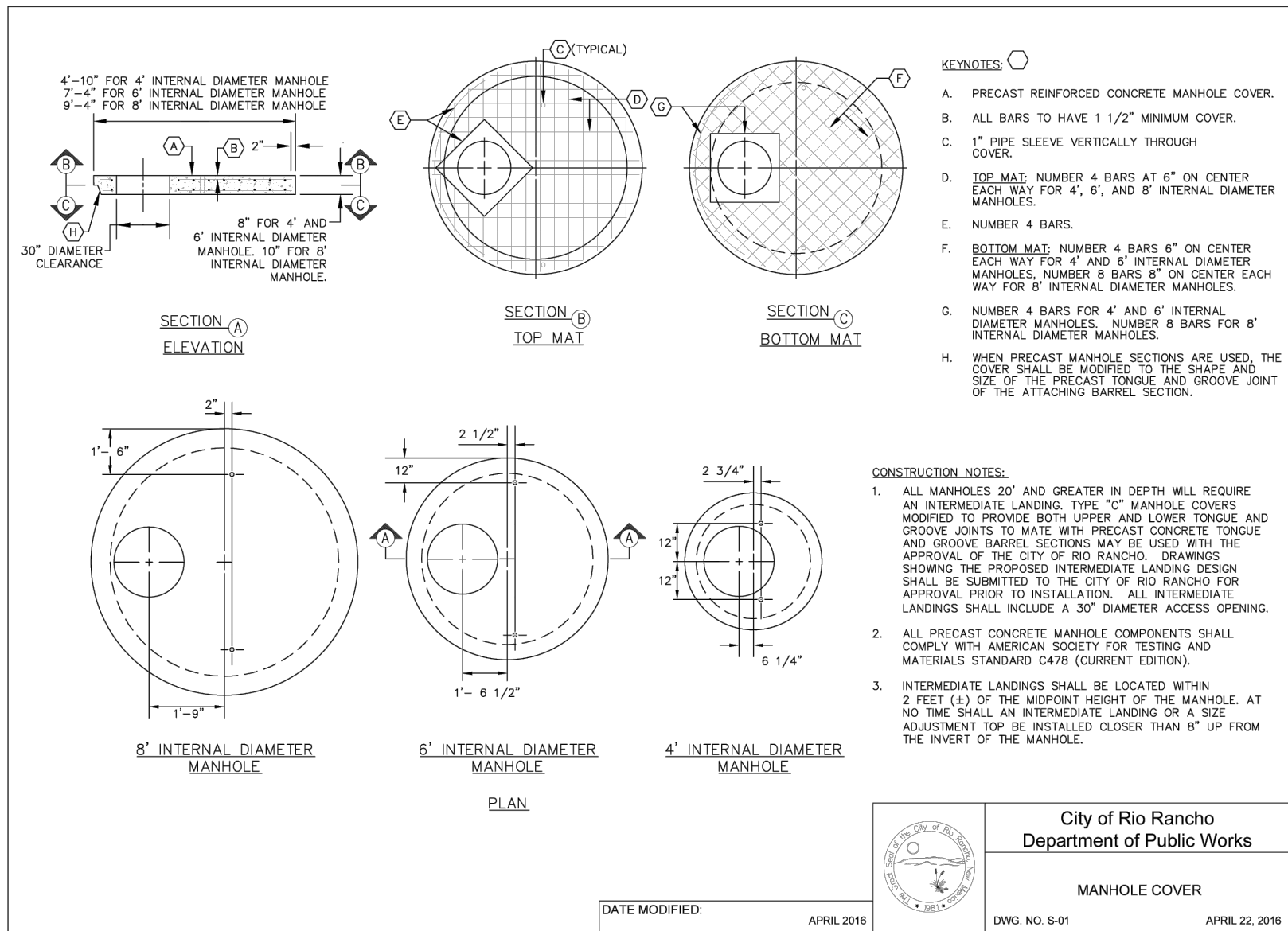
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PROJECT NO: BL_P0002-01
DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JN
DATE: 2/22/2024

21

SHEET 21 OF 25

Wednesday, March 6, 2024 2:43:34 PM - James Vega
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Southern Sandoval County Arroyo Flood Control Authority

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SUNSET CHANNEL IMPROVEMENTS

GENERAL DETAILS

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REVISIONS & CHANGE NOTICES

MARK	DESCRIPTION	DATE

PROJECT NO: BL_P0002-01
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CHECKED BY: JN
DATE: 2/22/2024

22

SHEET 22 OF 25

Wednesday, March 6, 2024 2:43:36 PM - Jamie Vega
C:\Users\jvega\OneDrive\Documents\Southern Sandoval County Arroyo Flood Control Authority\SSCAFCA_Project_Files\Block\BL_P0002-01\AutoCAD\SHEETS\23_GENERAL_DETAILS.dwg

HOST STRUCTURE INSIDE DIMENSIONS

PART NUMBER:

TYPE OF PIPE MOUNTING TO:

INSIDE DIAMETER OF PIPE:

*AS DISTRIBUTED BY CONTECH
CONSTRUCTION PRODUCTS NATIONALLY*
(PLEASE PROVIDE ALL DIMENSIONS IN INCHES)

ISOMETRIC VIEW

PLAN VIEW

SIDE VIEW

PLASTIC SOLUTIONS INC.
TRASH RACK OR EQUAL

SUPPORT T CROSS BARS
WITH FASTENERS ATTACHED
TO TRASH RACK

CORRUGATED METAL OR
PLASTIC PIPE

ROUND SERIES TRASH RACKS										
PART NO.	RISER		A	B	C	D	E	F	G	H
	CONCRETE INSIDE DIA.	CMP OR HDPE NOMINAL DIA.								
RS-24	24"	12"-18"	17 1/3"	13 1/3"	7 3/4"	6 1/4"	6 1/4"	27 1/2"	6 1/4"	7 1/2"
RS-36	36"	21"-30"	21 1/8"	13 1/2"	6 1/4"	6 1/4"	6 1/4"	40 1/2"	6 1/4"	7 1/2"
RS-48	48"	33"-42"	27 3/4"	17 3/4"	7"	8 1/2"	6 3/4"	54 1/4"	8 1/2"	9"
RS-60	60"	48"-54"	27 3/4"	17 3/4"	11 1/2"	8 1/2"	6 3/4"	67 1/2"	8 1/2"	9"

CONTECH
CONSTRUCTION PRODUCTS INC.
4000 CENTRE POINTE DRIVE, SUITE 400
WEST CHESTER, OHIO 45080
PH: 1.800.338.1122 FAX: 513.645.7399
© COPYRIGHT

CUSTOMER:

PROJECT:

DATE:

DRAWN BY:

APPROVED BY:

DETAIL:

Southern Sandoval
County
Arroyo Flood Control
Authority

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Rio Rancho, New Mexico 87124
505-892-RAIN (7246)
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SUNSET CHANNEL IMPROVEMENTS

GENERAL DETAILS

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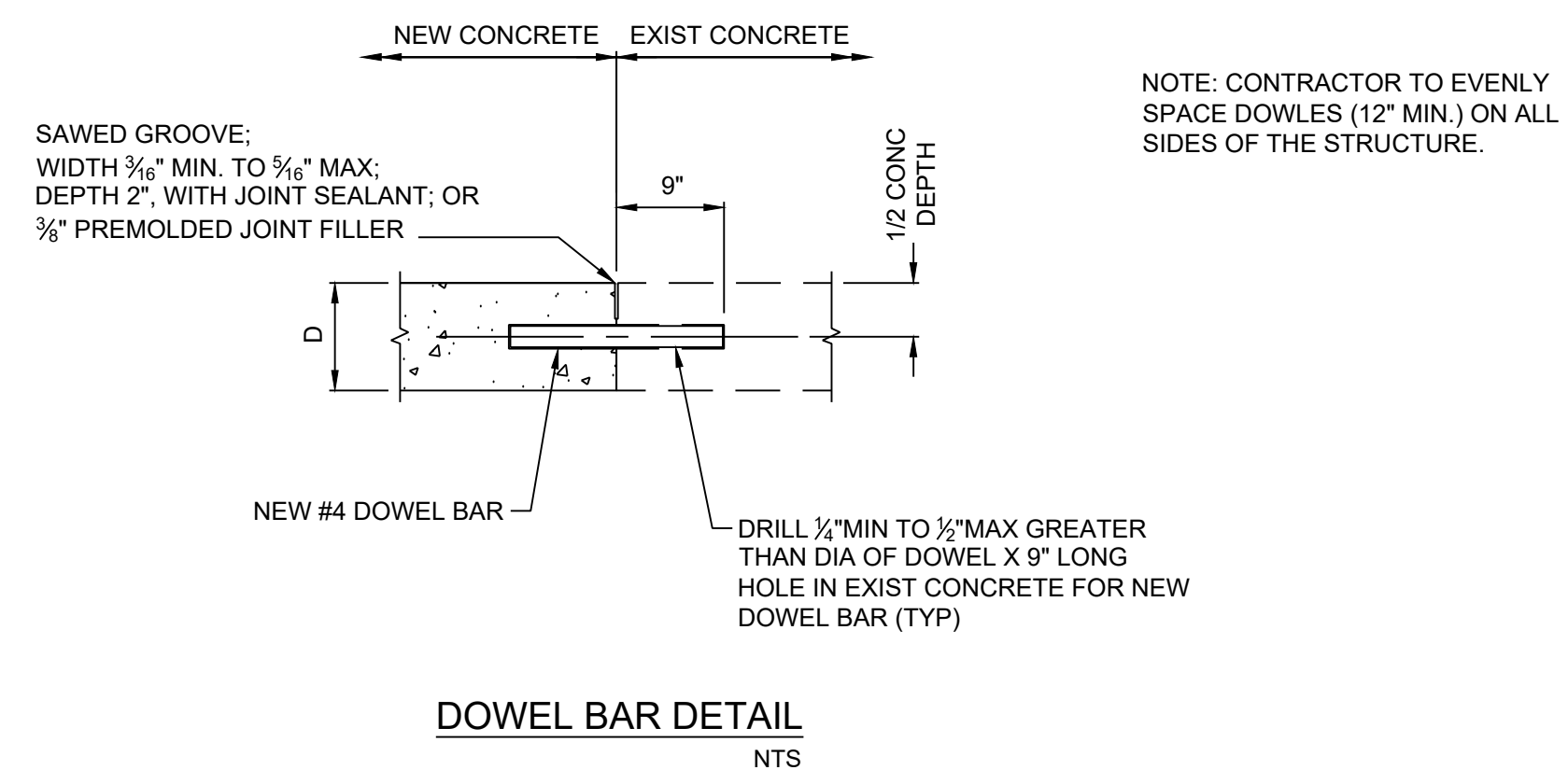
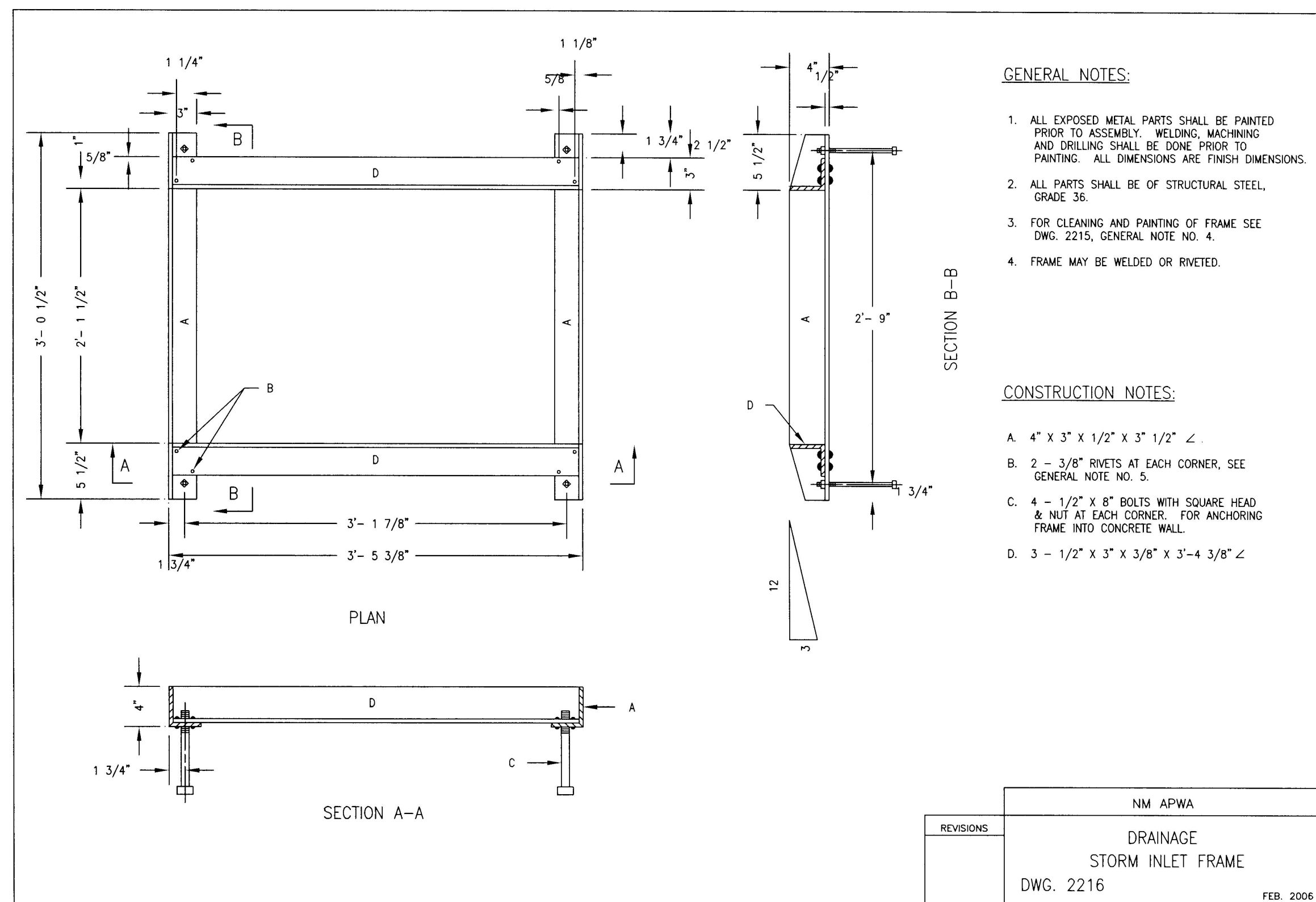
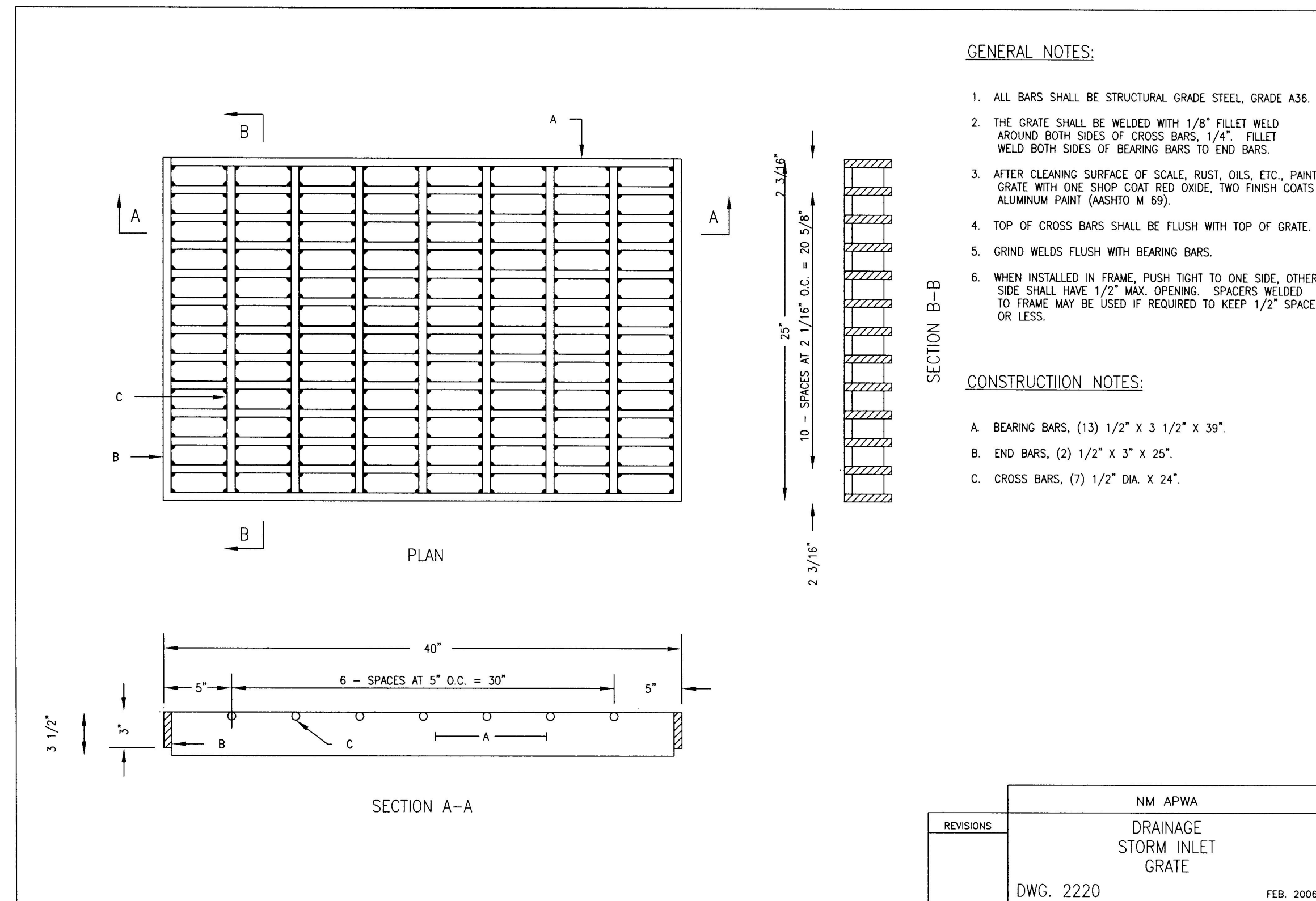
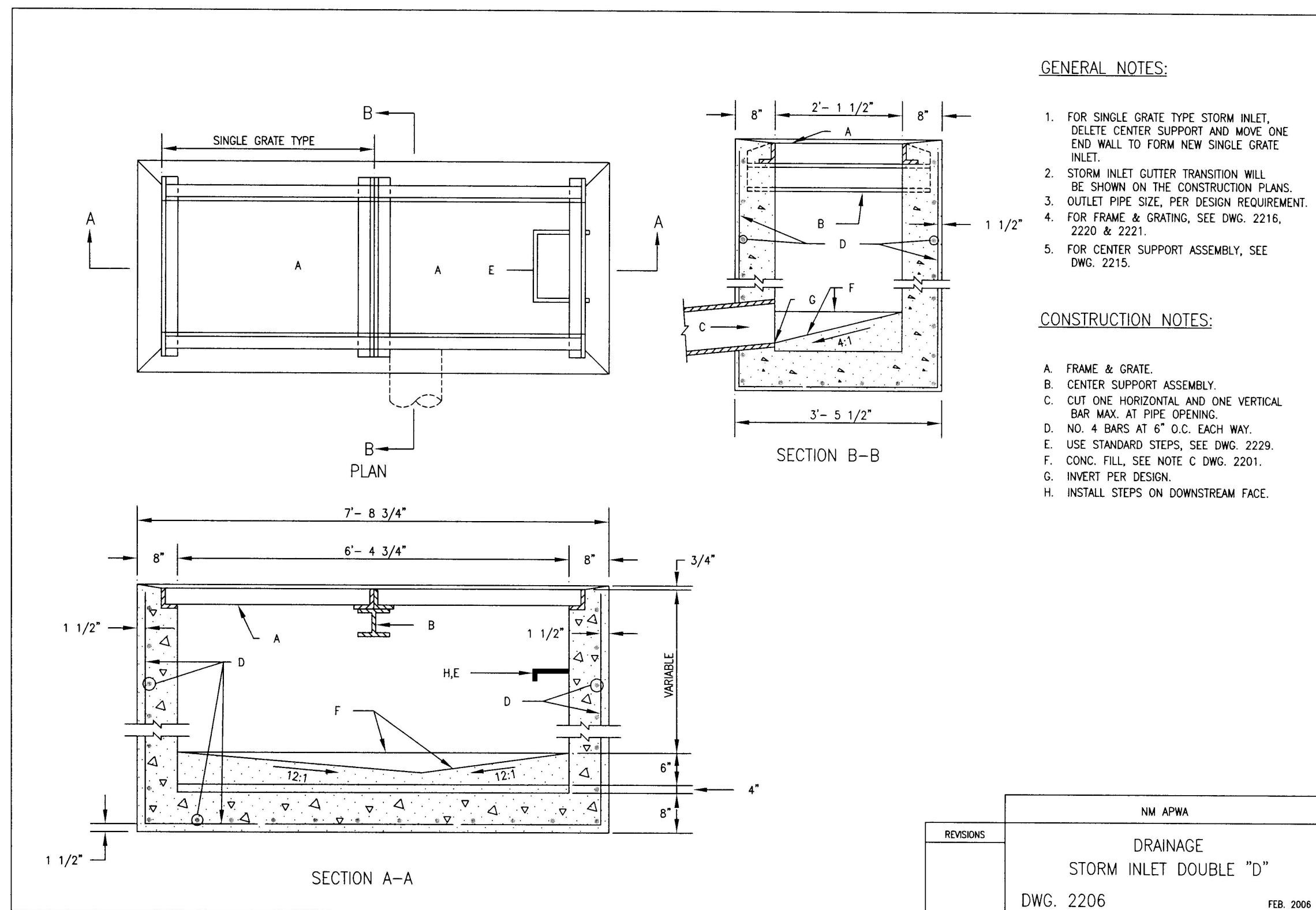
REVISIONS &
CHANGE NOTICES

MARK	DESCRIPTION	DATE

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DATE: 2/22/2024

23

SHEET 23 OF 25



VAULT | AND IN | DETAILS

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[illegible]

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