

SOUTHERN SANDOVAL COUNTY ARROYO FLOOD CONTROL AUTHORITY SUNSET CHANNEL IMPROVEMENTS

SSCAFCA Project No. BL_P0002-01 BLACK ARROYO WATERSHED



**Southern Sandoval
County
Arroyo Flood Control
Authority**
1041 Commercial Dr. S.E.
Rio Rancho, New Mexico 87124
505-892-RAIN (7246)
www.sscafca.org



VICINITY MAP

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SUNSET CHANNEL IMPROVEMENTS

COVER

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

SSCAFCA: **David Gatterman**
EXECUTIVE ENGINEER

DATE: 02/28/2024

CITY OF RIO RANCHO: **David Serrano**
DEVELOPMENT SERVICES

DATE: 02/28/2024

P:\City - February 23, 2024 9:45:18 AM - Jome Vigil - 2024-02-28 13:35:55-07:00 - S:\Projects\SSCAFCA\Project_Files\Black\BL_P0002-01\AutoCAD\SET\SS1_COVER.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...
3. NO MODIFICATIONS TO THESE PLANS SHALL BE MADE WITHOUT THE WRITTEN CONSENT OF THE OWNER, ENGINEER AND ALL APPROVAL SIGNATORIES...
4. UNLESS OTHERWISE PROVIDED AS PART OF THE CONSTRUCTION PLANS, A COMPLETE TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR...
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...
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...
9. THE CONTRACTOR SHALL ONLY UTILIZE THE DESIGNATED STAGING AREAS FOR STORAGE OF ALL EQUIPMENT AND MATERIALS...
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...
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...
12. IT IS MANDATORY THAT A PRE-CONSTRUCTION MEETING BE HELD PRIOR TO COMMENCING CONSTRUCTION...
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...
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 CONFINE HIS WORK TO WITHIN THE CONSTRUCTION LIMITS AND/OR PUBLIC RIGHTS-OF-WAY TO PRESERVE EXISTING VEGETATION, LANDSCAPING, AND PRIVATE 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...
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...
22. THE CONTRACTOR SHALL MAINTAIN AN UP TO DATE SET OF AS-BUILT PLANS FOR THE PROJECT...
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...
2. THE CONTRACTOR IS REQUIRED TO KEEP A CURRENT COPY OF THE SWPPP AT THE CONSTRUCTION SITE OR AT AN EASILY ACCESSIBLE LOCATION...
3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST AND EROSION CONTROL REGULATIONS...
4. THE CONTRACTOR SHALL EITHER PROMPTLY REMOVE ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR INSTALL BMPs ACCORDING TO NPDES REQUIREMENTS...
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...
7. CONSTRUCTION AREAS SHALL BE WATERED FOR DUST CONTROL IN COMPLIANCE WITH GOVERNMENT ORDINANCES...
8. ANY AREAS DISTURBED BY CONSTRUCTION AND NOT COVERED BY LANDSCAPING OR AN IMPERVIOUS SURFACE SHALL BE RE-VEGETATED WITH NATIVE GRASS SEEDING...
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...
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP AND REPORTING OF SPILLS OF HAZARDOUS MATERIALS ASSOCIATED WITH THE CONSTRUCTION SITE...
11. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING SURFACE AND UNDERGROUND WATER...
12. WHERE STORM INLETS ARE SUSCEPTIBLE TO INFLOW OF SILT OR DEBRIS FROM CONSTRUCTION ACTIVITIES, PROTECTION SHALL BE PROVIDED ON THEIR UPSTREAM SIDE...
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...

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.

Table with 2 columns: MATERIALS and PERCENT (%) COMPACTION. Rows include: 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

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3200 CIVIC CENTER CIRCLE NE
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DSERRANO@RNMM.GOV

PNM

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ENGINEER 4
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GILBERT.HERNANDEZ@PNM.COM

PNM - OVERHEAD ELECTRIC TRANSMISSION LINES

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GILBERT.HERNANDEZ@PNM.COM

SPARKLIGHT

ANTHONY LOVATO
CONSTRUCTION COORDINATOR
7501 NITA PLACE NE
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ANTHONY.LOVATO@SPARKLIGHT.BIZ

LUMEN

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ABDUL.BHUIYAN@LUMEN.COM

NM GAS COMPANY

ELBERT BALLADO
DISTRICT ENGINEER 1
4625 EDITH BLVD. NE, MS-G565
ALBUQUERQUE, NEW MEXICO 87107
(505) 798-3346
ELBERTMARTIN.BALLADO@NMGCO.COM

ABBREVIATIONS

Table with 2 columns: Abbreviation and Full Name. Includes: 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, CL 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, DELTA 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, P PROPERTY LINE, PRC POINT OF REVERSE CURVATURE, PT POINT OF TANGENCY, PUE PUBLIC UTILITY EASEMENT, PVC POLYVINYL CHLORIDE PIPE, PVMT PAVEMENT, Q QUANTITY, QTY QUANTITY, RAD RADIUS, RAD 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)
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SUNSET CHANNEL IMPROVEMENTS

GENERAL NOTES

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

Table with 3 columns: MARK, DESCRIPTION, DATE. Row 1: 1, ADDENDUM #1, 3/6/24.

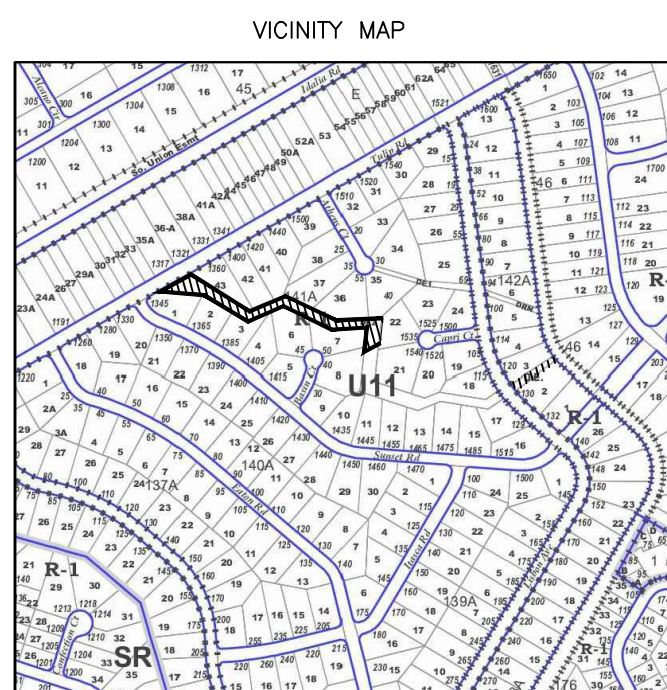
REVISIONS & CHANGE NOTICES
PROJECT NO: BL_P0002-01
DESIGNED BY: AES
DRAWN BY: JUV
CHECKED BY: JDN
DATE: 2/22/2024

Monday, April 22, 2024 8:46:44 AM - jdm - Vg - S:\Projects\SSCAFCA - Sandoval County Arroyo Flood Control Authority\SSCAFCA - Project_Files\Brock\B... P0002-01\AutoCAD\BSET\SS2 - GENERAL NOTES.dwg



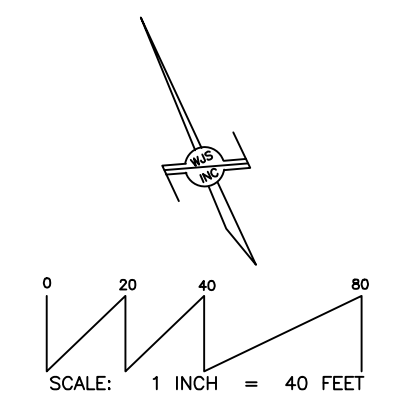
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County
Arroyo Flood Control
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PLAT OF SURVEY
DRAINAGE WAYS WITHIN
BLOCKS 141-A & 142-A
RIO RANCHO ESTATES UNIT 11
WITHIN PROJECTED SECTIONS 22 & 23, T. 12 N., R. 2 E., NMPM
WITHIN THE TOWN OF ALAMEDA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



LEGEND

- CATV CABLE TV PEDESTAL
- DI DROP INLET
- ELEC ELECTRIC PEDESTAL
- MH MANHOLE (TYPE)
- PP POWER POLE
- TEL TELEPHONE PEDESTAL
- T ELECTRIC TRANSFORMER
- ▨ RIP-RAP
- ▨ CONCRETE
- ▨ ASPHALT
- DHE — DHE — DHE OVERHEAD ELECTRIC LINES
- SD — SD — SD UNDERGROUND STORM LINE
- CHAIN LINK FENCE
- WOOD FENCE
- BLOCK WALL
- TC: 5000.00 SPOT ELEVATION ELEVATIONS ARE TO ANNOTATED SPOTS
- 5000 — INDEX CONTOURS AT 5 FOOT INTERVALS
- EXISTING CONTOURS AT 1 FOOT INTERVALS
- FL FLOW LINE
- INV INVERT
- NG NATURAL GROUND
- TA TOP OF ASPHALT
- TBC TOP BACK OF CURB
- TC TOP OF CONCRETE
- TG TOP OF GRATE
- 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, 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.

[Signature] 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 CHECKED: T D J FILE No: SC-9-03-2023.dwg | SCALE: 1" = 40' 10/24/23 | JOB NO. SC-9-03-23 SHEET 2 OF 3 |

SUNSET CHANNEL IMPROVEMENTS
SURVEY (FOR INFORMATION ONLY)
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PROJECT NO: BL_P0002-01
DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JVN
DATE: 2/22/2024

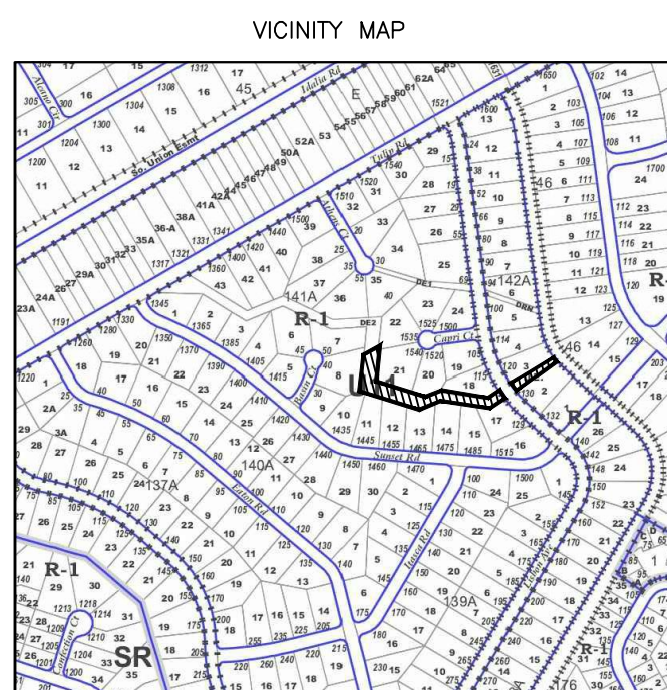
Monday, April 15, 2024 8:46:51 AM - Jimmie Vega - S:\Projects\SSCAFCA\SSCAFCA - Rio Rancho Estates Unit 11 - Survey - Information Only.dwg



**Southern Sandoval
County
Arroyo Flood Control
Authority**

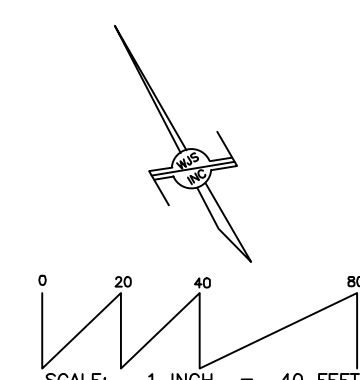
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Rio Rancho, New Mexico 87124
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PLAT OF SURVEY
DRAINAGE WAYS WITHIN
BLOCKS 141-A & 142-A
RIO RANCHO ESTATES UNIT 11
WITHIN PROJECTED SECTIONS 22 & 23, T. 12 N., R. 2 E., NMPM
WITHIN THE TOWN OF ALAMEDA GRANT
RIO RANCHO, SANDOVAL COUNTY, NM
OCTOBER 2023




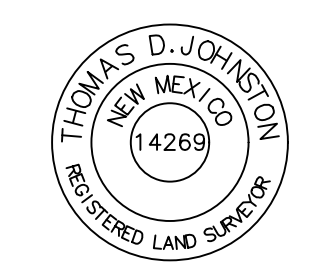
LEGEND

- CATV
- DI
- ELEC
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- PP
- TEL
- T
- CABLE TV PEDESTAL
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- MANHOLE (TYPE)
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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



THOMAS D. JOHNSTON
NEW MEXICO
14269
REGISTERED LAND SURVEYOR



**WAYJOHN
SURVEYING
INC**

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)

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

5

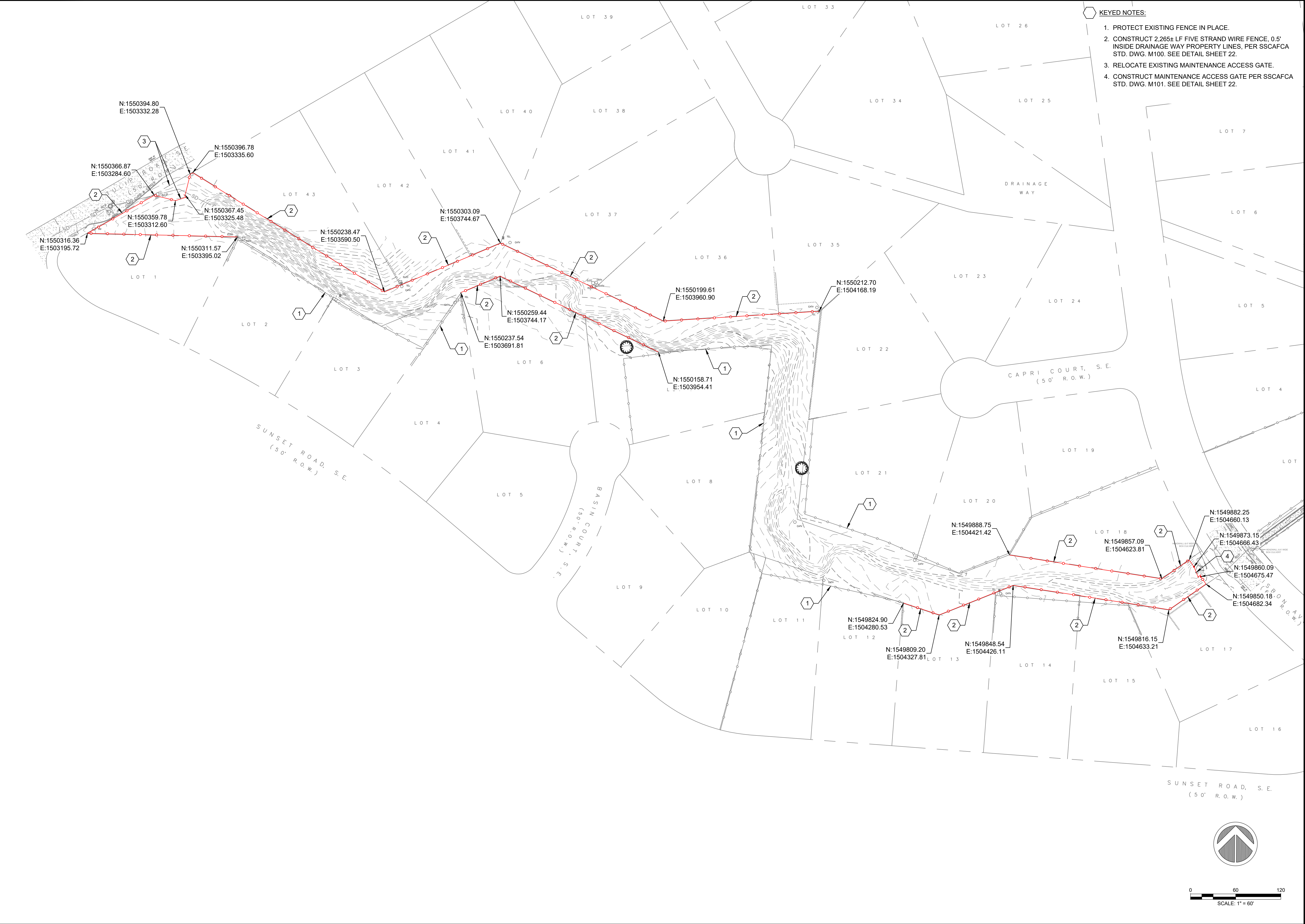
SHEET 5 OF 25

Monday, April 15, 2024 8:46:56 AM - jdm - Vg - C:\Users\jdm\OneDrive\Documents\SSCAFCA\Projects\Rio Rancho Estates Unit 11\SSCAFCA_Plat\Drawings\SSCAFCA_Plat.dwg

Monday, April 22, 2024 8:56:05 AM - James Vigil - Southern Sandoval County Arroyo Flood Control Authority - SCAFCFA - Project: Final Plans - Removal Plan.dwg



Monday, April 22, 2024 8:56:09 AM - James Vigil
 C:\Users\jvigil\OneDrive\Documents\SSCAFCA\Projects\BL_P0002-01\AutoCAD\SSCAFCA\Project_Files\BL_P0002-01\AutoCAD\SSCAFCA\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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 County
 Arroyo Flood Control
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 505-892-RAIN (7246)
www.sscafca.org

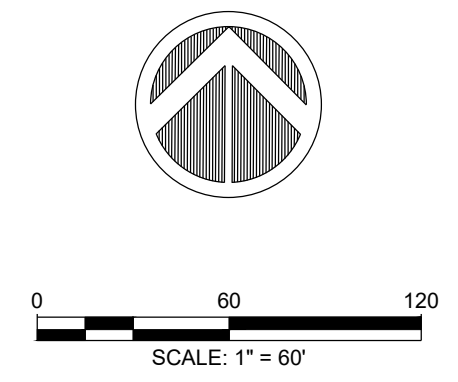


SUNSET CHANNEL IMPROVEMENTS
FENCING PLAN

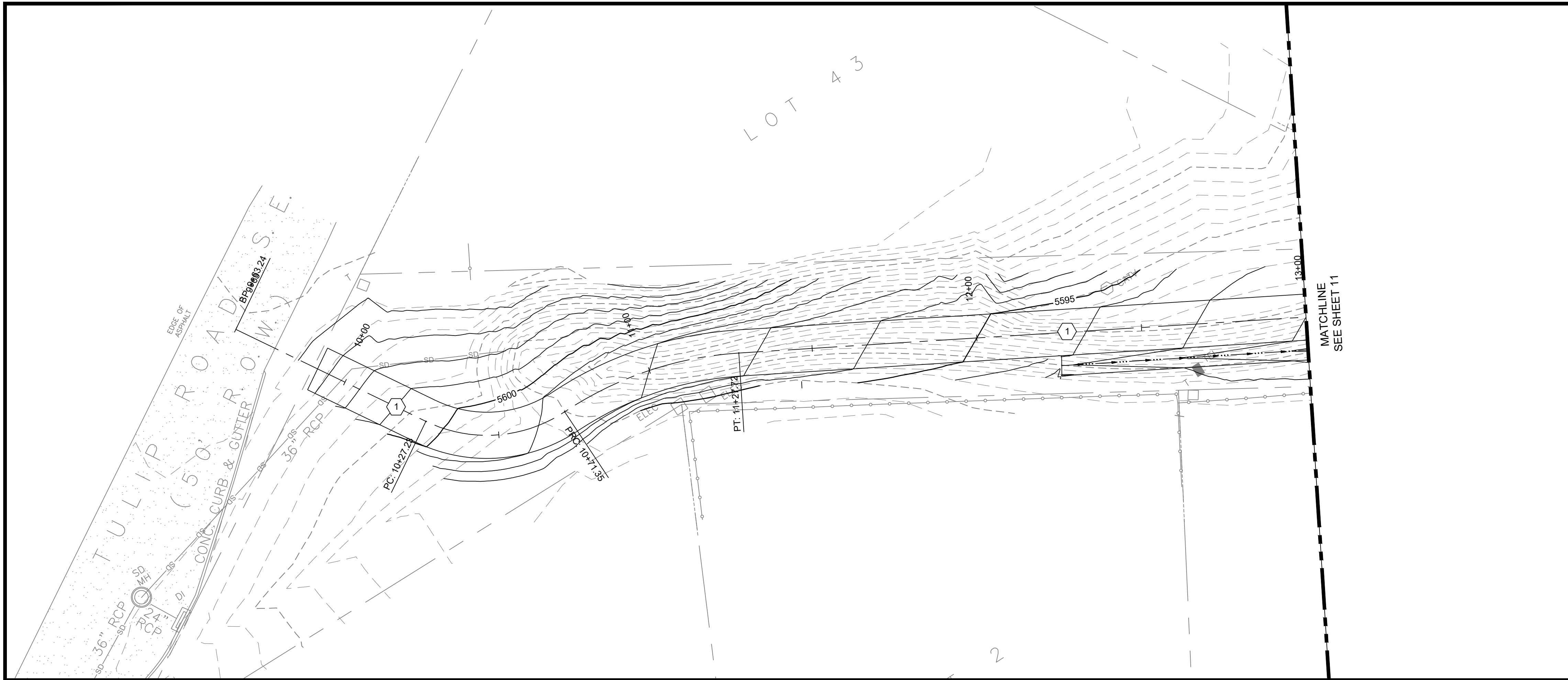
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

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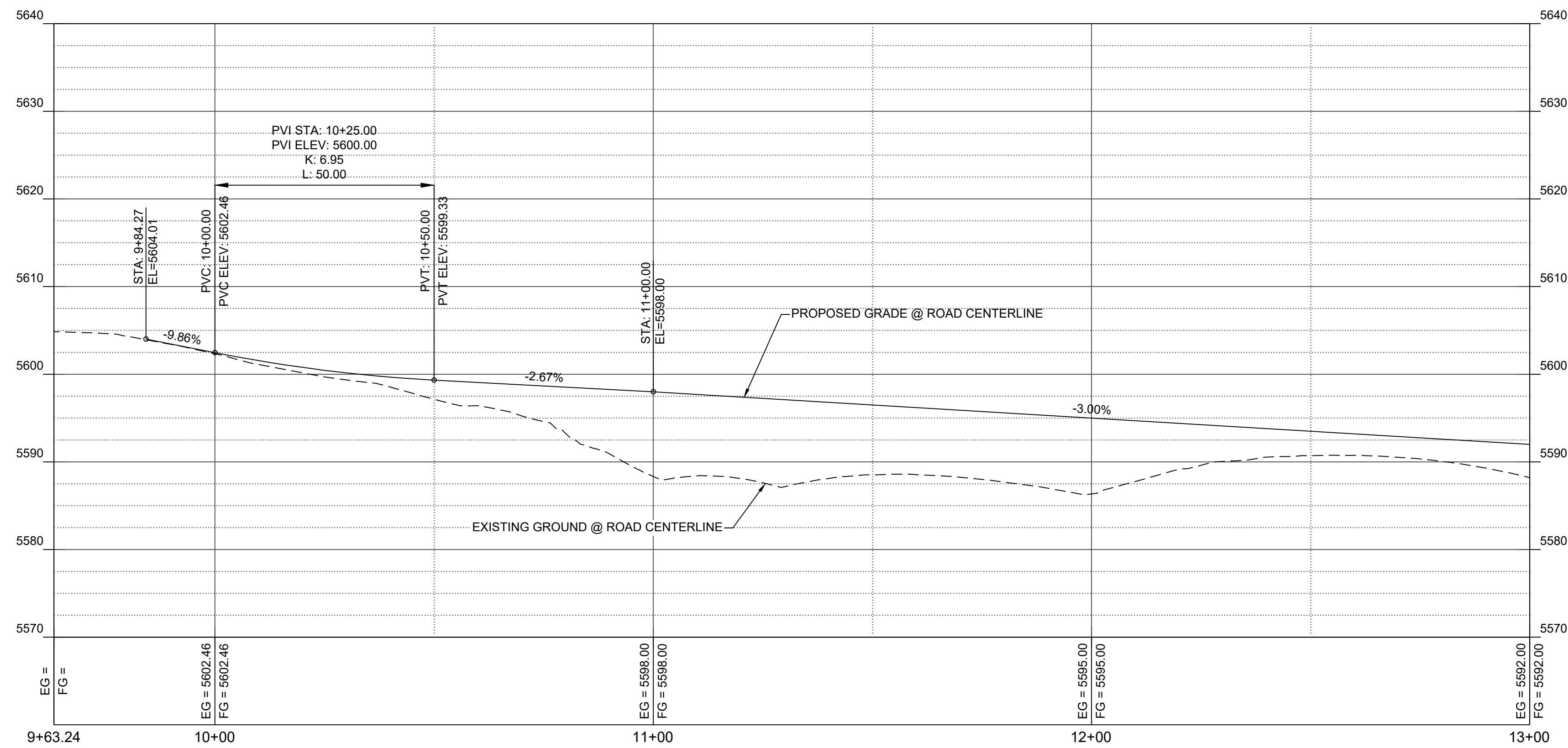
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 DRAWN BY: JDV
 CHECKED BY: JN
 DATE: 2/22/2024



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ACCESS ROAD PROFILE



KEYED NOTES:

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



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SUNSET CHANNEL IMPROVEMENTS

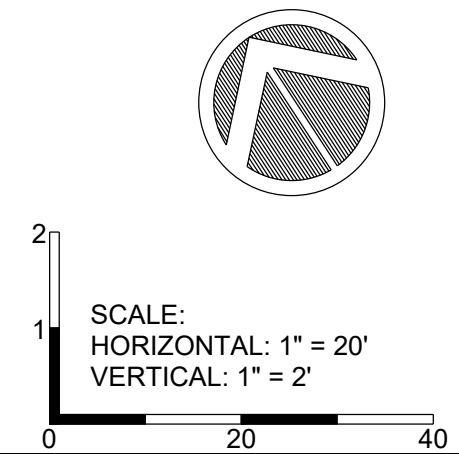
ACCESS ROAD PLAN AND PROFILE

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

REVISIONS & CHANGE NOTICES

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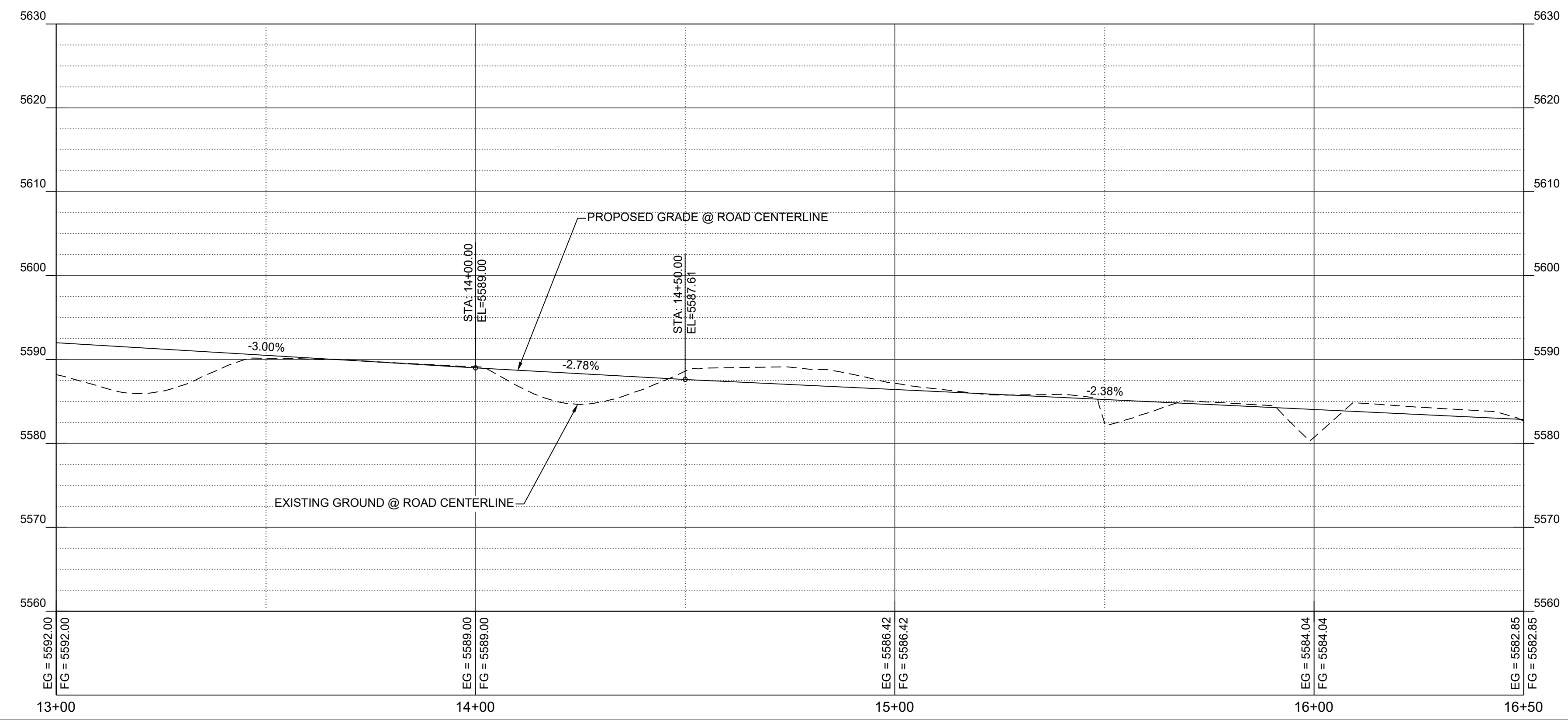
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 DATE: 2/22/2024



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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

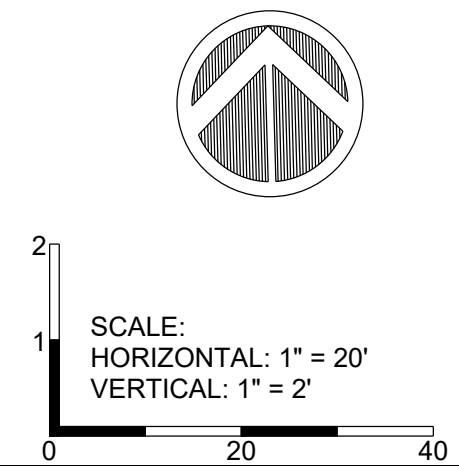
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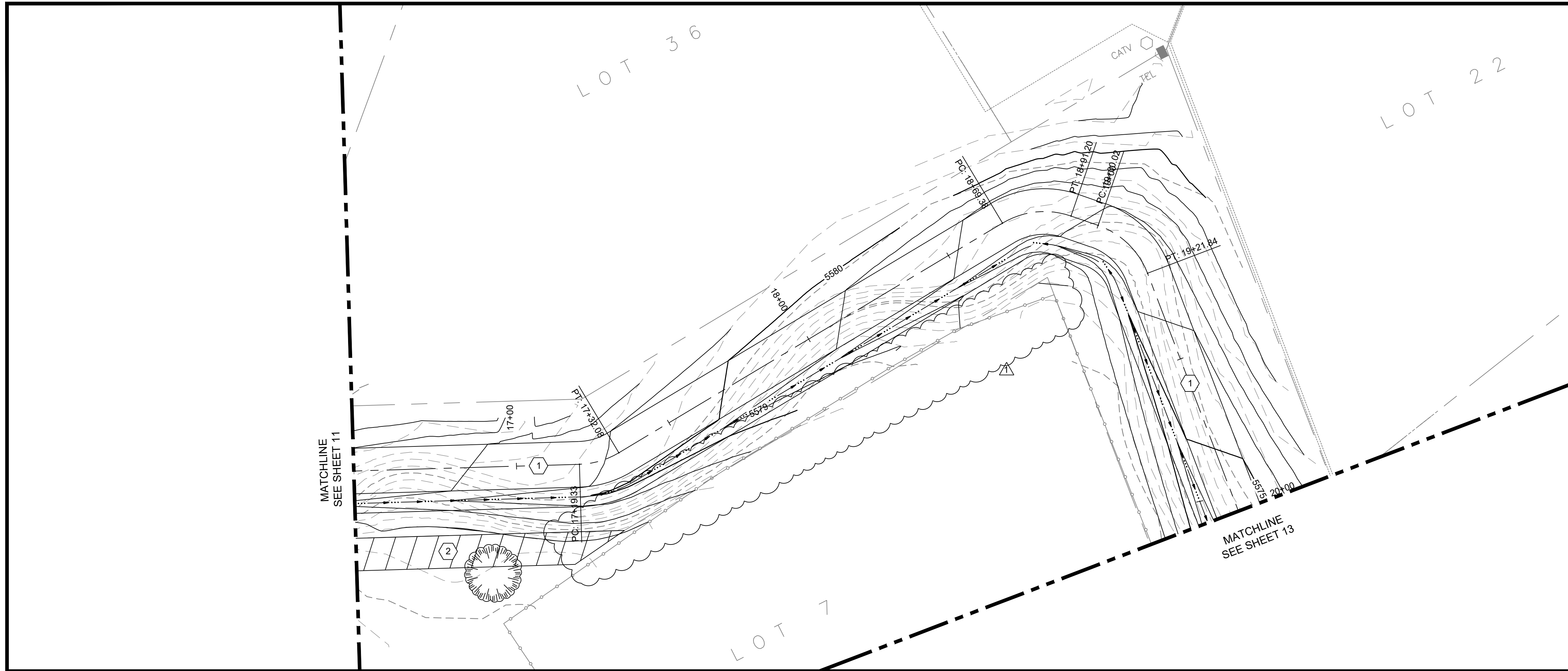
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PROJECT NO: BL_P0002-01
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 DRAWN BY: JDV
 CHECKED BY: JN
 DATE: 2/22/2024



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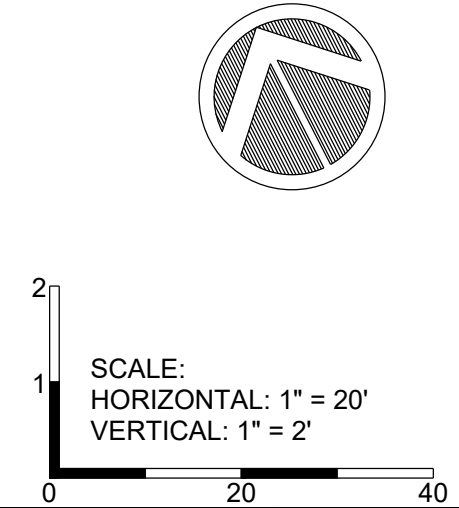
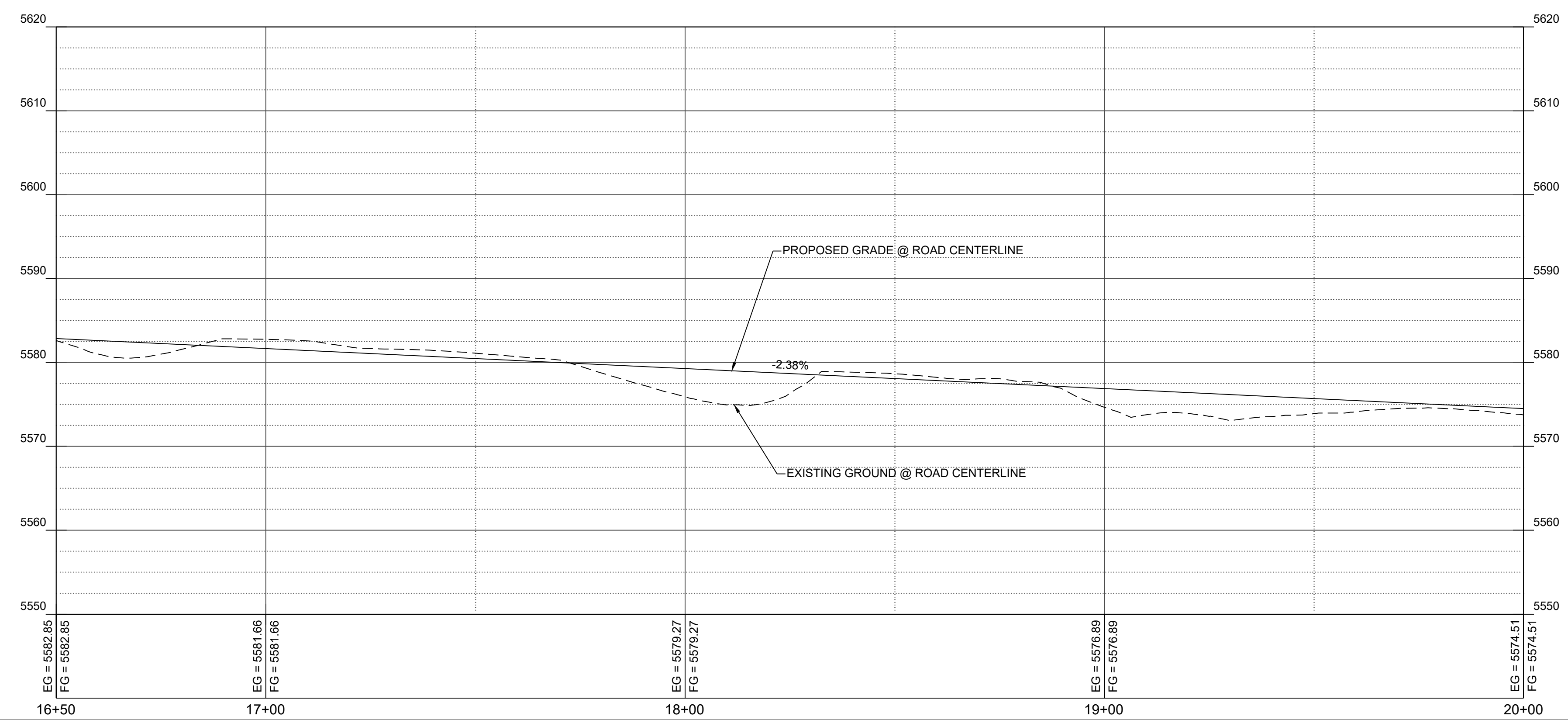
- KEYED NOTES:**
1. CONSTRUCT 14' WIDE MAINTENANCE ACCESS ROAD. SEE DETAIL ON SHEET 22.
 2. TEMPORARY CONSTRUCTION EASEMENT.



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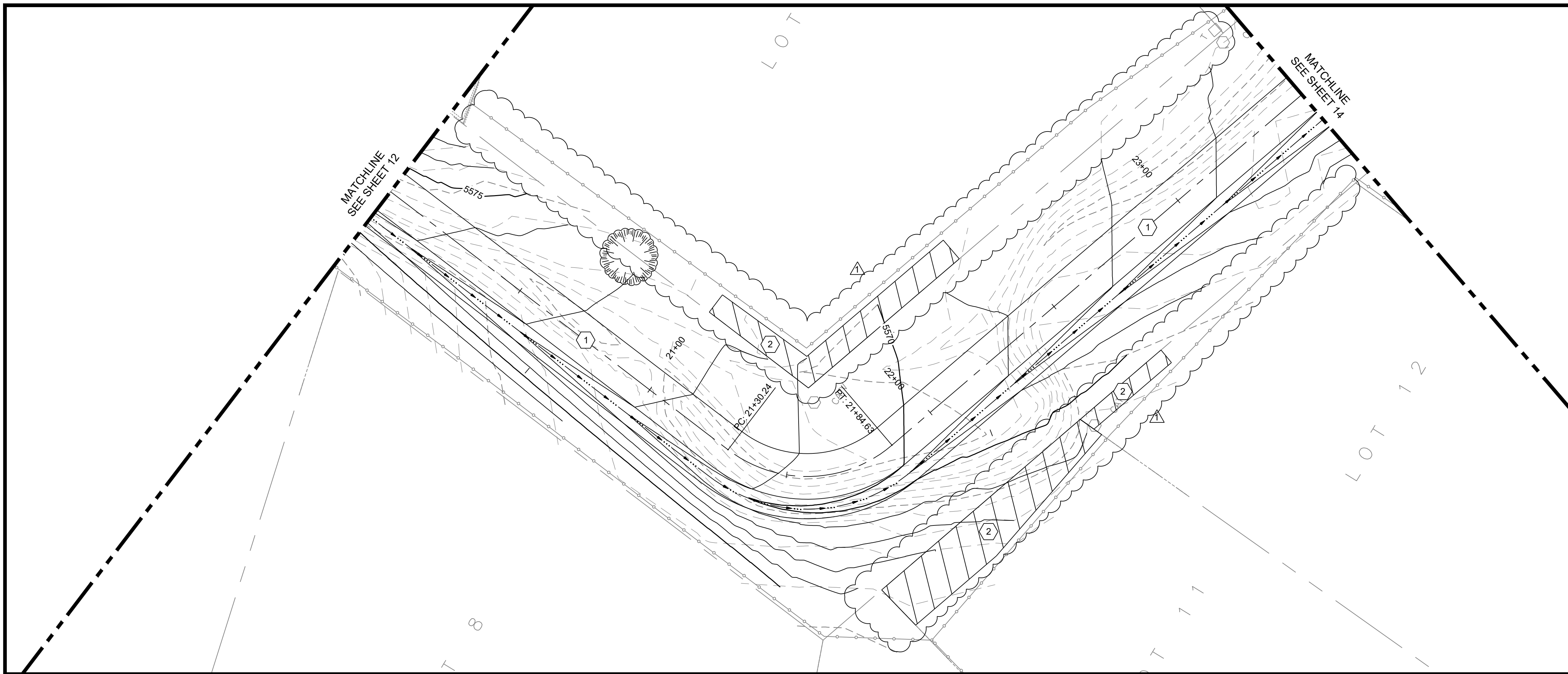
SUNSET CHANNEL IMPROVEMENTS

ACCESS ROAD PLAN AND PROFILE

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

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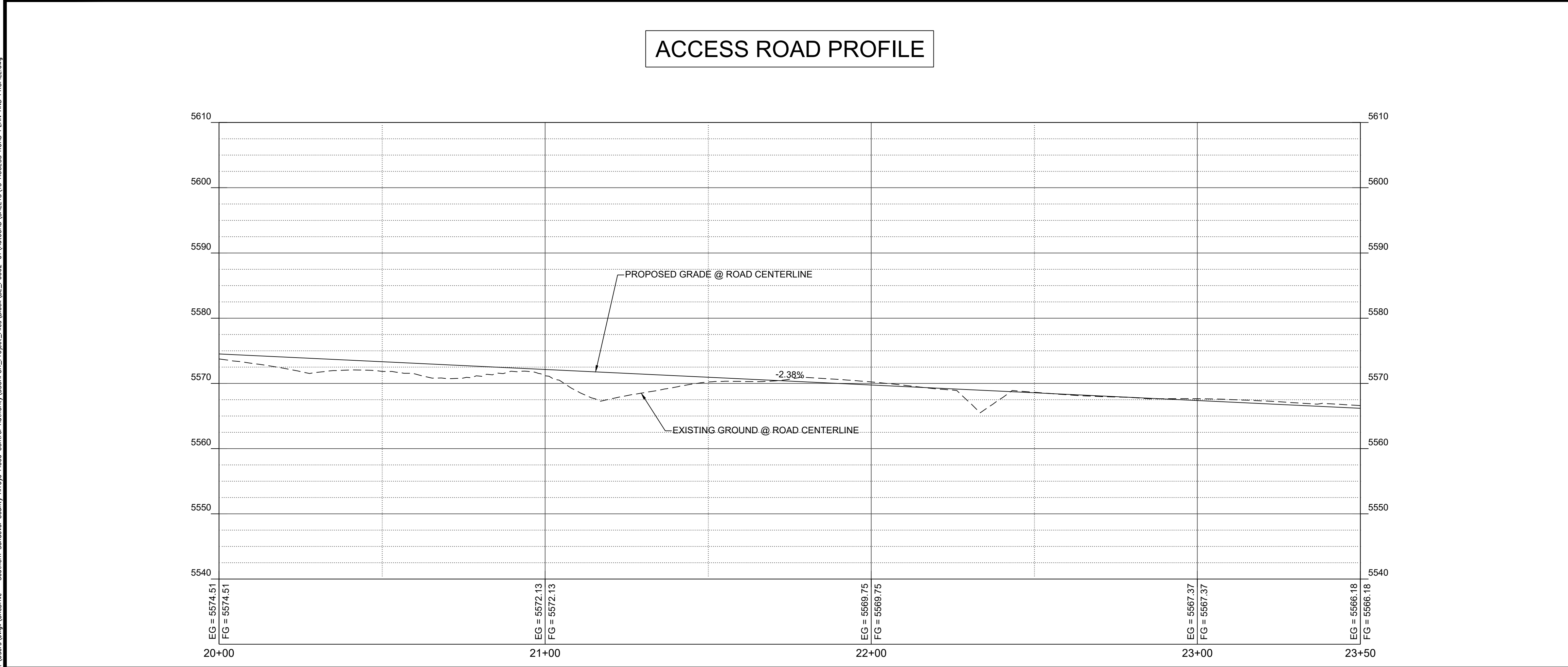
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 DESIGNED BY: AES
 DRAWN BY: JDV
 CHECKED BY: JN
 DATE: 2/22/2024



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



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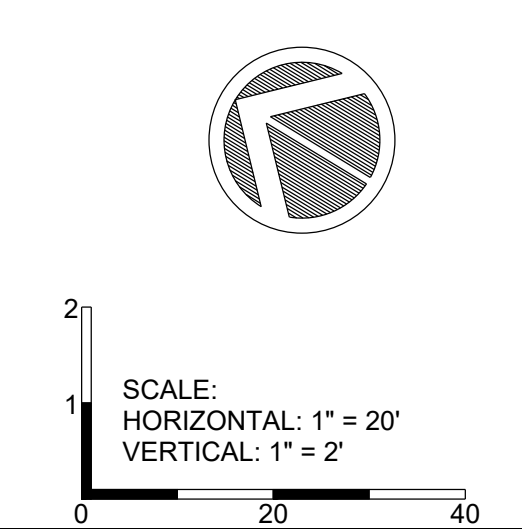
SUNSET CHANNEL IMPROVEMENTS

ACCESS ROAD PLAN AND PROFILE

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

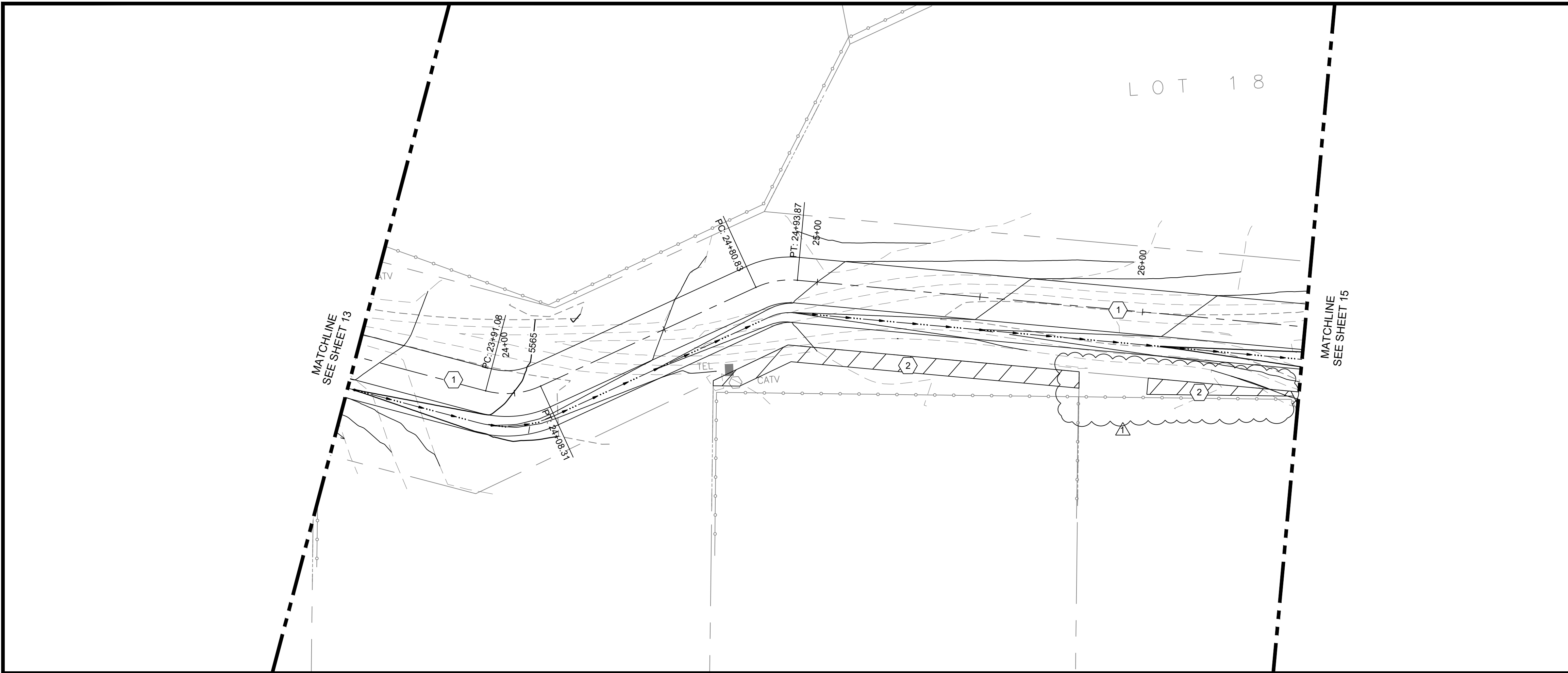
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PROJECT NO: BL_P0002-01
 DESIGNED BY: AES
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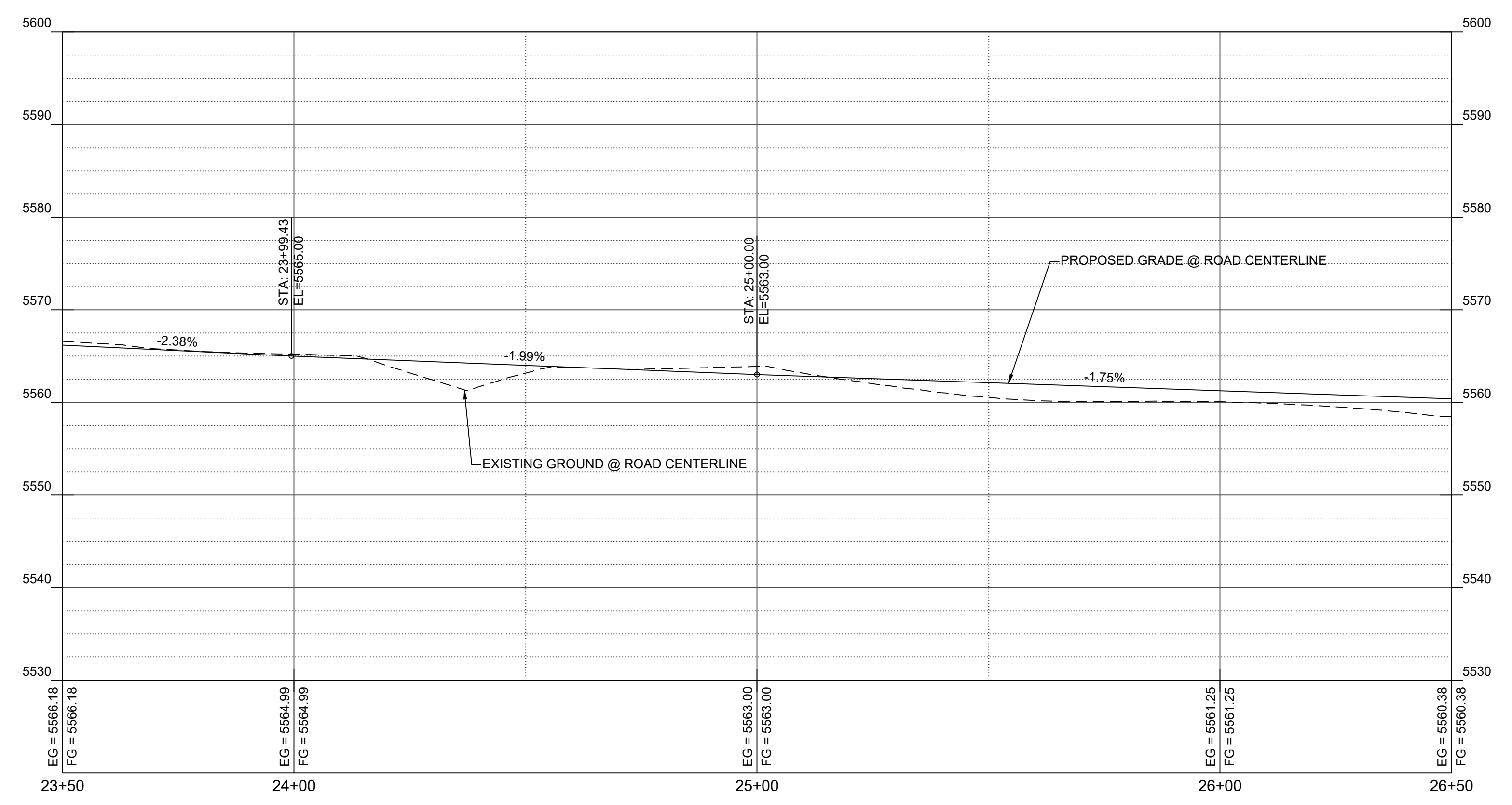


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ACCESS ROAD PROFILE



- KEYED NOTES:**
1. CONSTRUCT 14' WIDE MAINTENANCE ACCESS ROAD. SEE DETAIL ON SHEET 22.
 2. TEMPORARY CONSTRUCTION EASEMENT.



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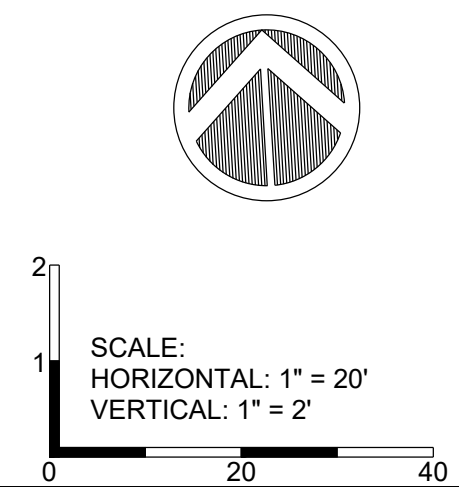
ACCESS ROAD PLAN AND PROFILE

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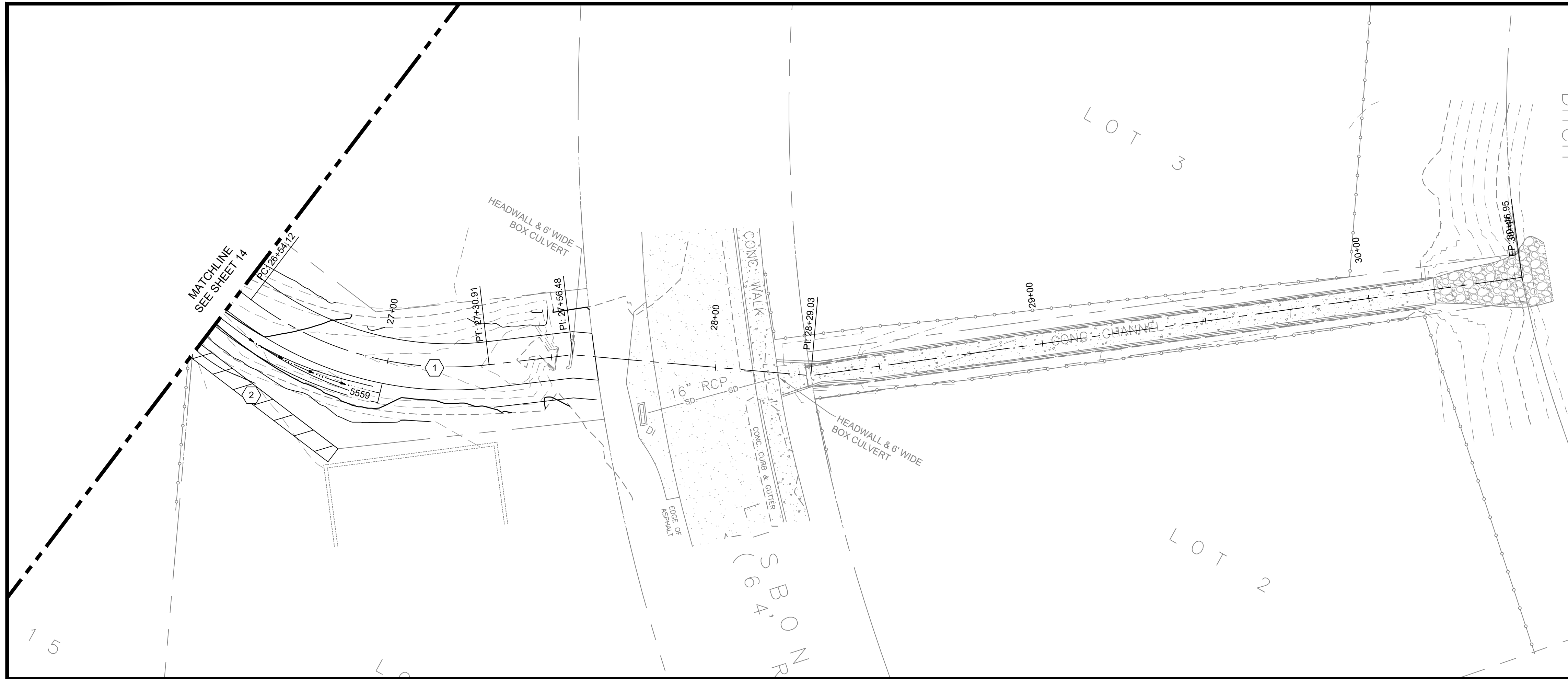
REVISIONS & CHANGE NOTICES

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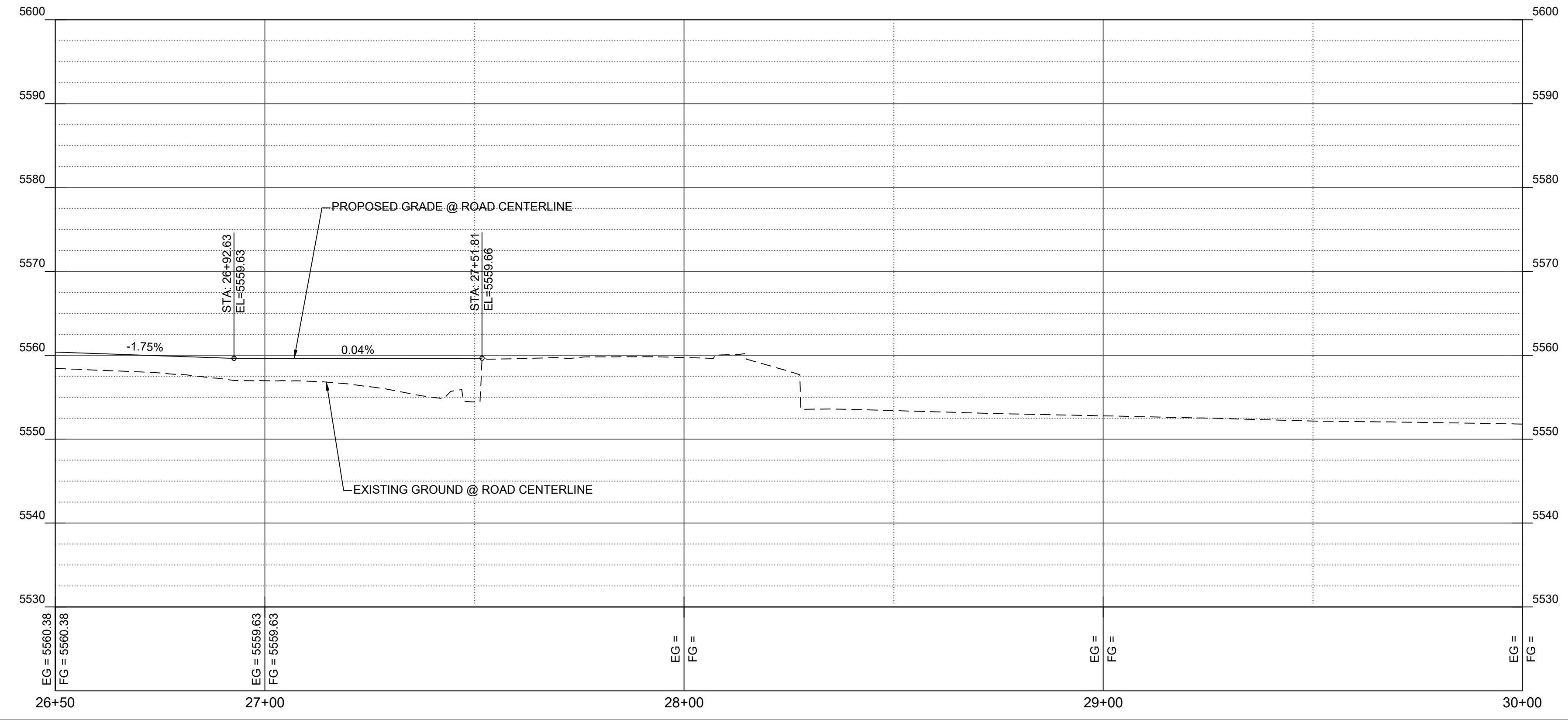
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 DRAWN BY: JDV
 CHECKED BY: JN
 DATE: 2/22/2024



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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

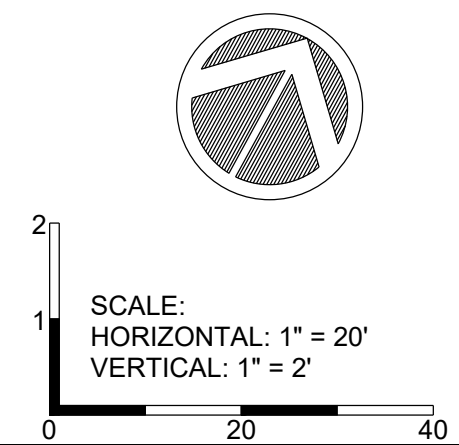
ACCESS ROAD PLAN AND PROFILE

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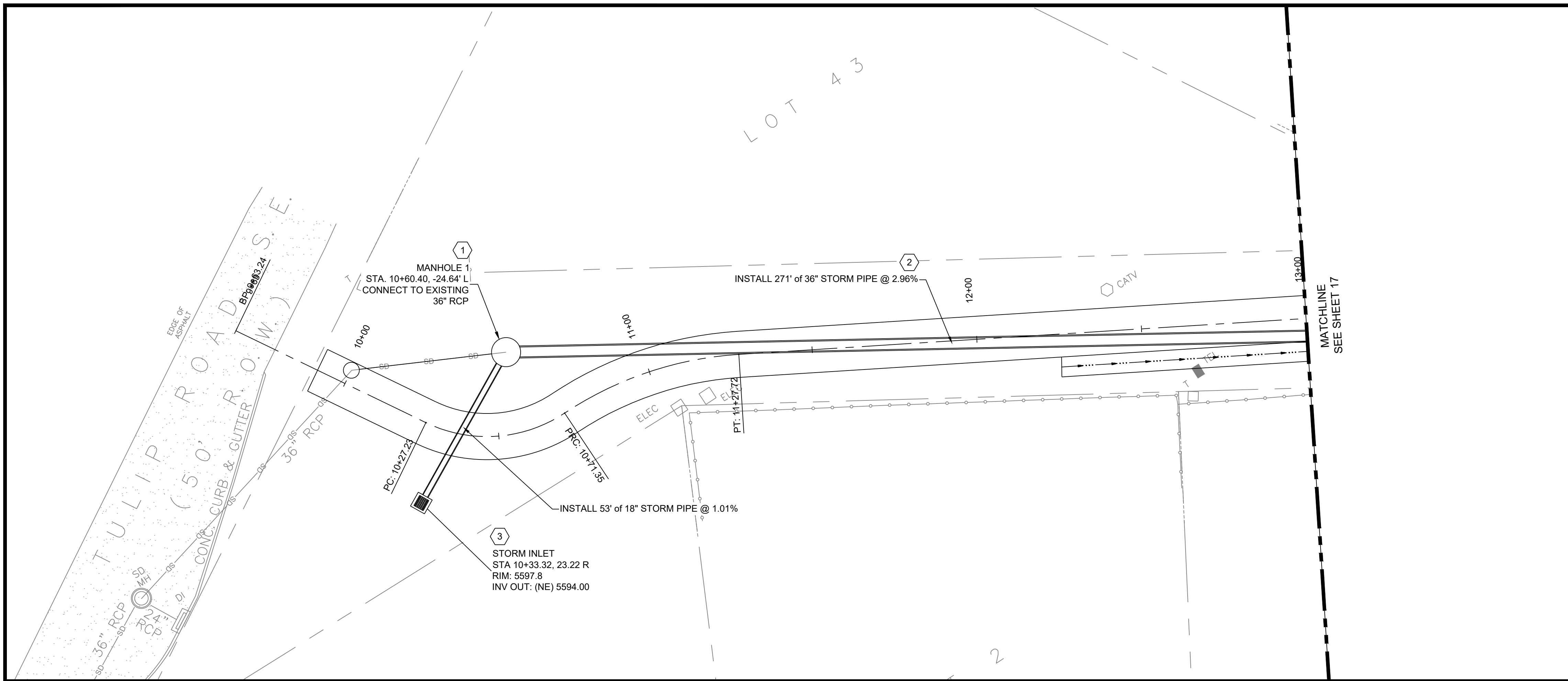
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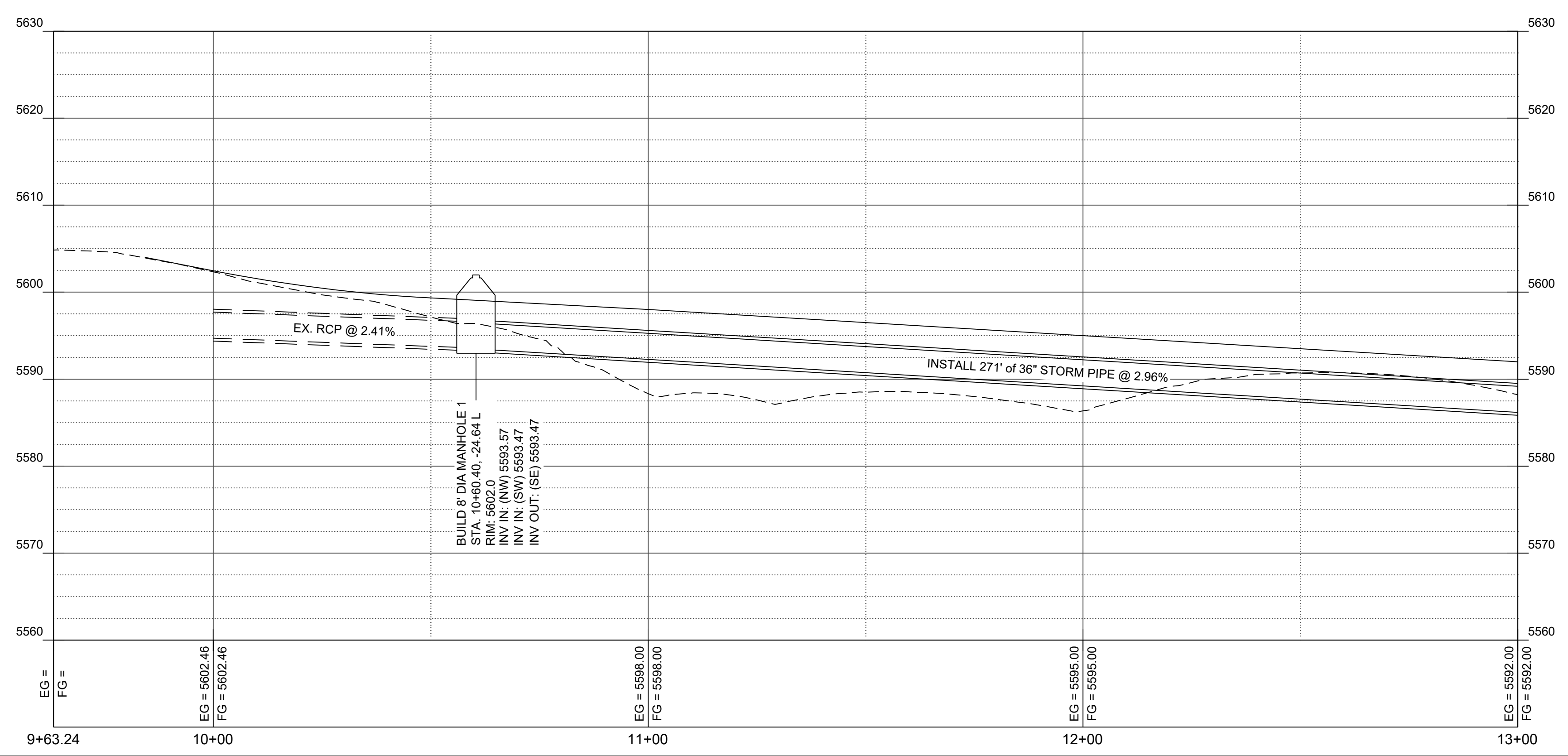
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SD PROFILE



- 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. CONSTRUCT DRAINAGE STORM INLET DOUBLE "D" PER APWA STD. DWGS. SEE DETAIL SHEET 24.

Southern Sandoval County Arroyo Flood Control Authority

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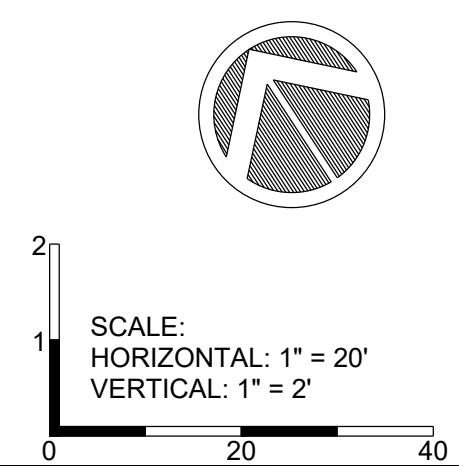
STORM DRAIN PLAN AND PROFILE

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

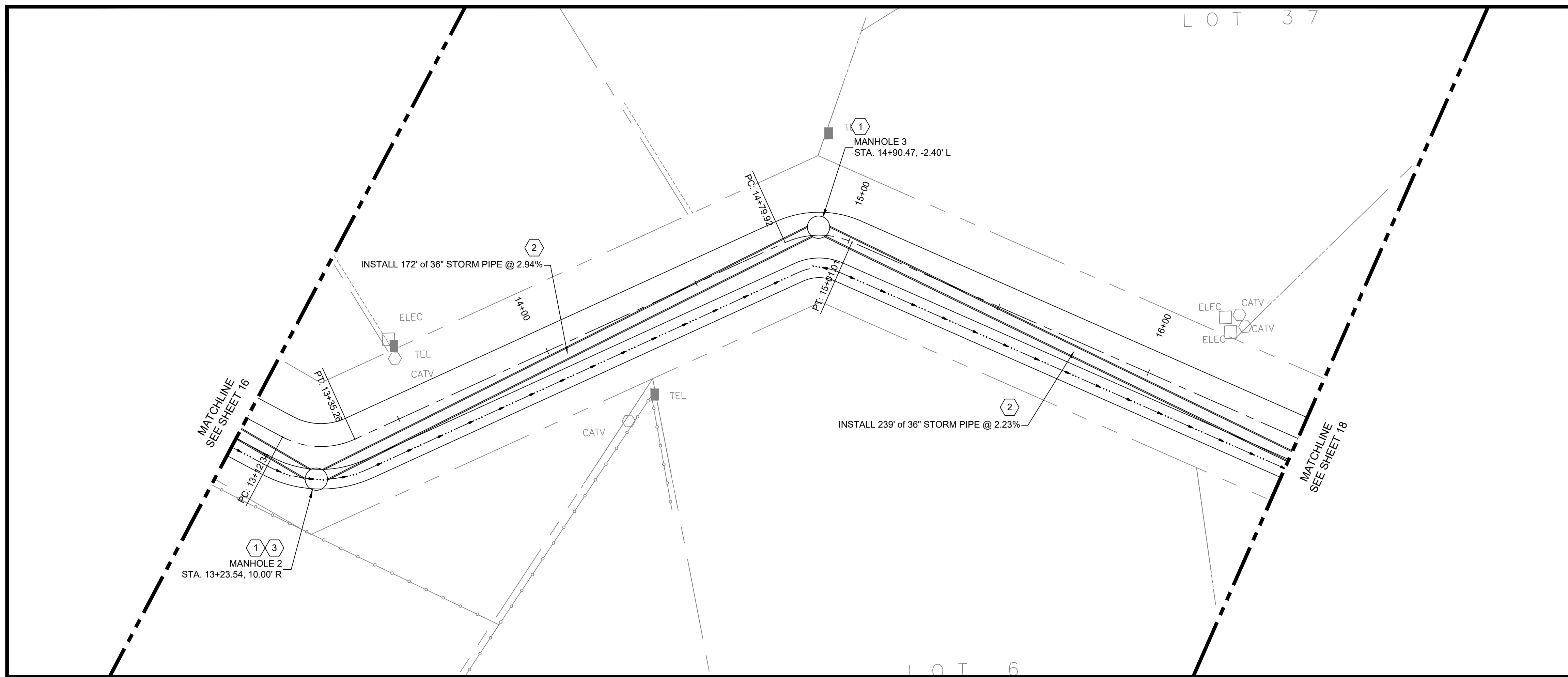
REVISIONS & CHANGE NOTICES

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PROJECT NO: BL_P0002-01
DESIGNED BY: AES
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DATE: 2/22/2024



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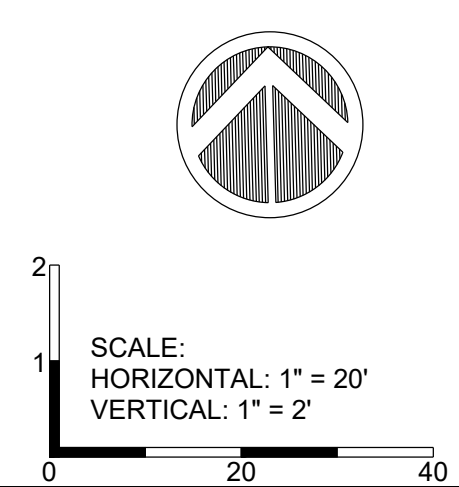
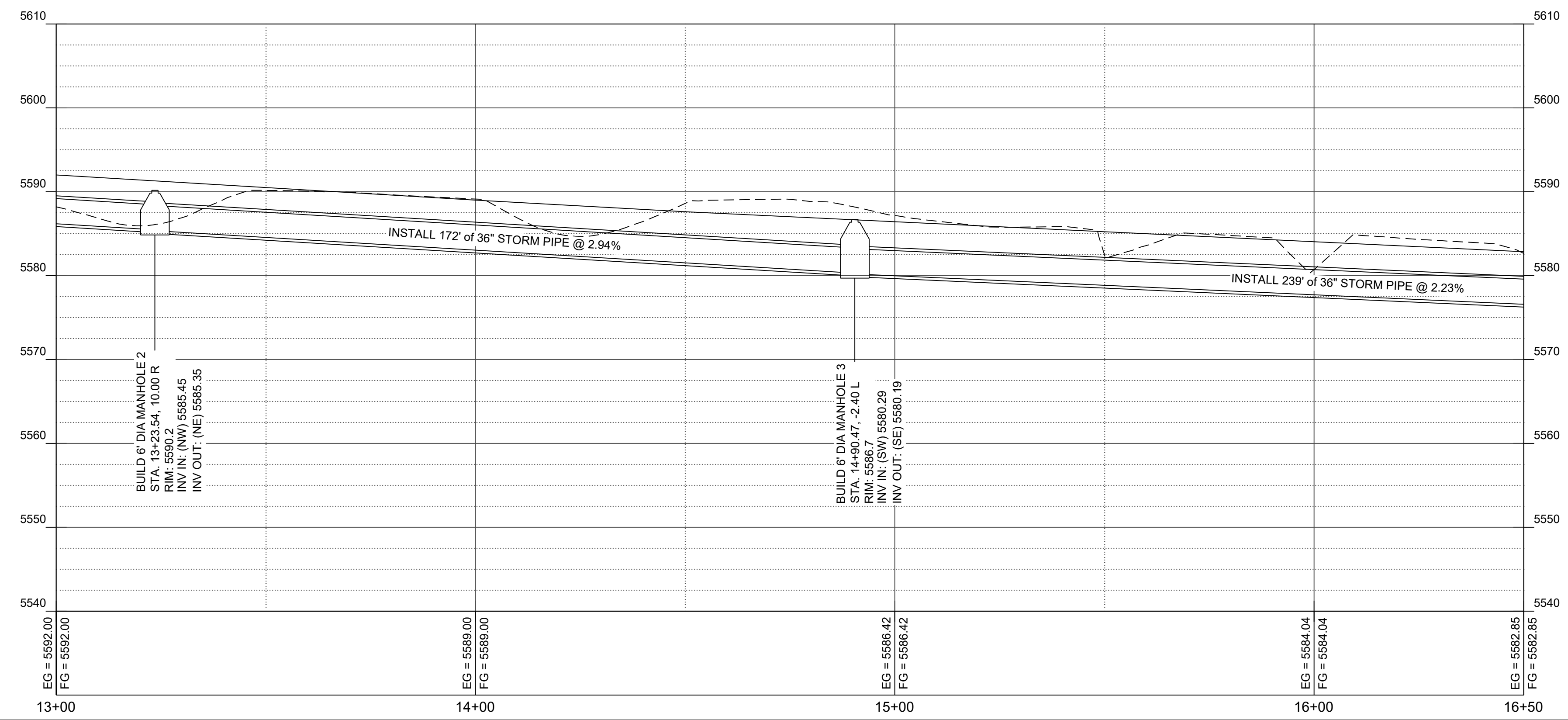
- KEYED NOTES:**
1. CONSTRUCT TYPE 'C' MANHOLE PER CORR STD. DWG NO. S-03-01 & S-03-02. SEE DETAIL SHEET 22.
 2. INSTALL 36" STORM DRAIN PIPE. SEE CORR STD. DWG. S-04. SEE DETAIL SHEET 22.
 3. INSTALL TRASH RAX - RS-48 OR APPROVED EQUAL ON 36" MANHOLE OPENING. CONTRACTOR TO GRADE AROUND STRUCTURE TO FIT. SEE DETAIL SHEET 23.

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SD PROFILE



SUNSET CHANNEL IMPROVEMENTS

STORM DRAIN PLAN AND PROFILE

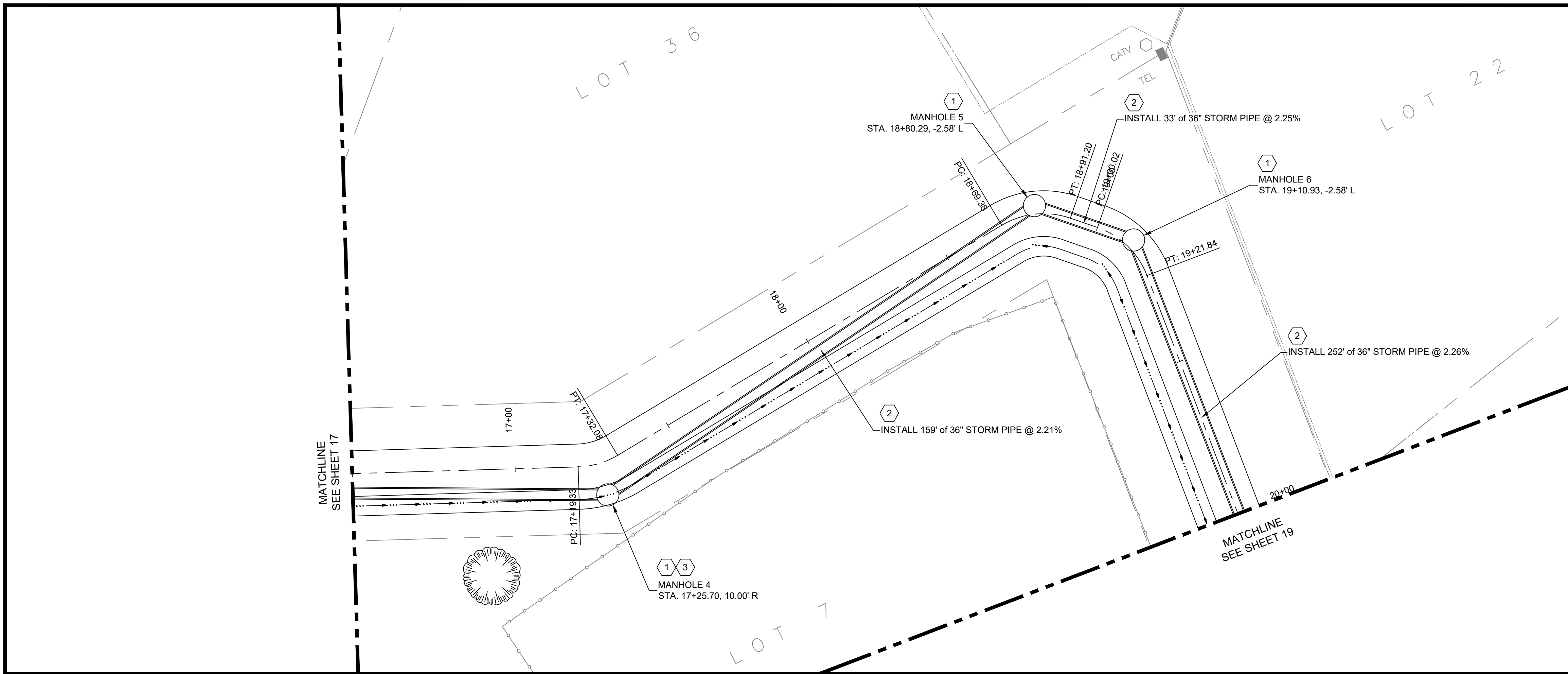
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

REVISIONS & CHANGE NOTICES

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

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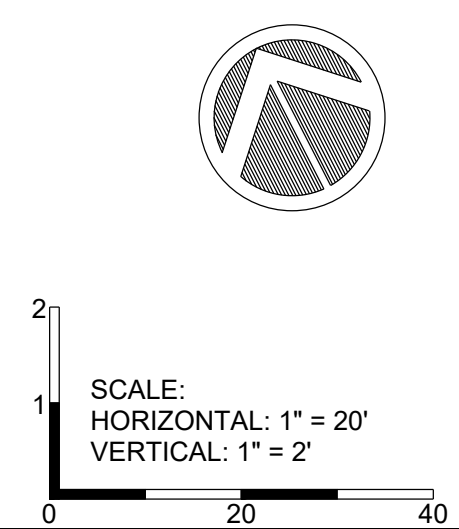
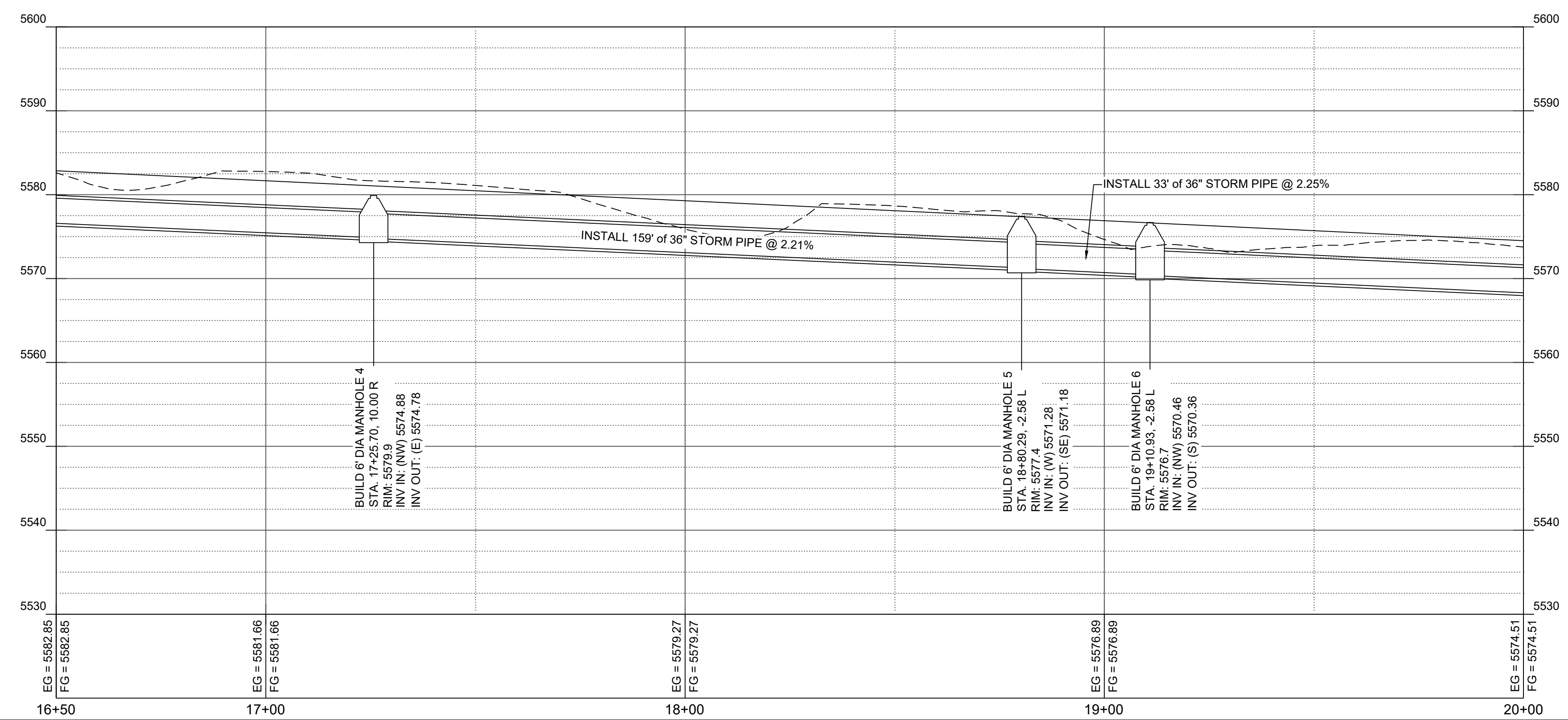


- KEYED NOTES:**
1. CONSTRUCT TYPE 'C' MANHOLE PER CORR STD. DWG NO. S-03-01 & S-03-02. SEE DETAIL SHEET 22.
 2. INSTALL 36" STORM DRAIN PIPE. SEE CORR STD. DWG. S-04. SEE DETAIL SHEET 22.
 3. INSTALL TRASH RAX - RS-48 OR APPROVED EQUAL ON 36" MANHOLE OPENING. CONTRACTOR TO GRADE AROUND STRUCTURE TO FIT. SEE DETAIL SHEET 23.

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SUNSET CHANNEL IMPROVEMENTS

STORM DRAIN PLAN AND PROFILE

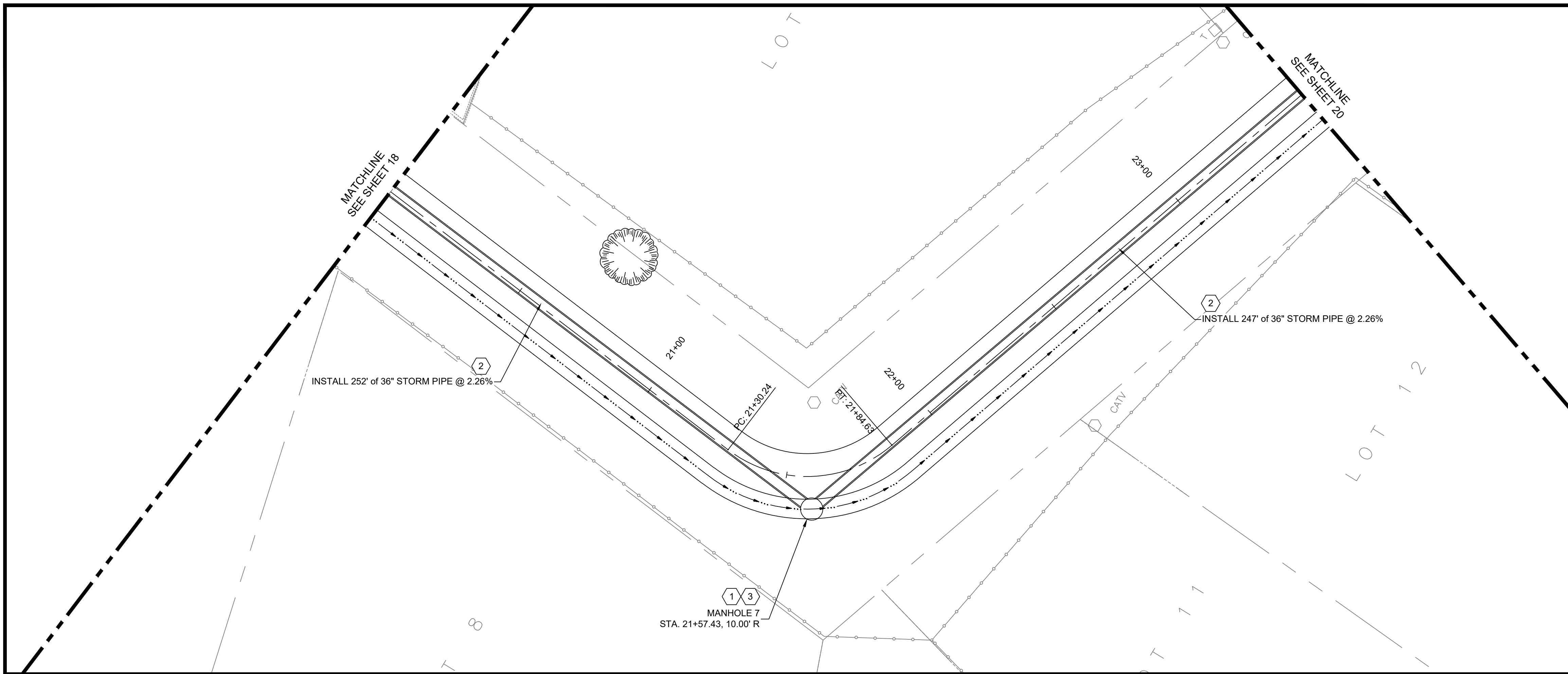
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

REVISIONS & CHANGE NOTICES

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

Monday, April 15, 2024 8:51:10 AM - jamine.1@sscafca.org
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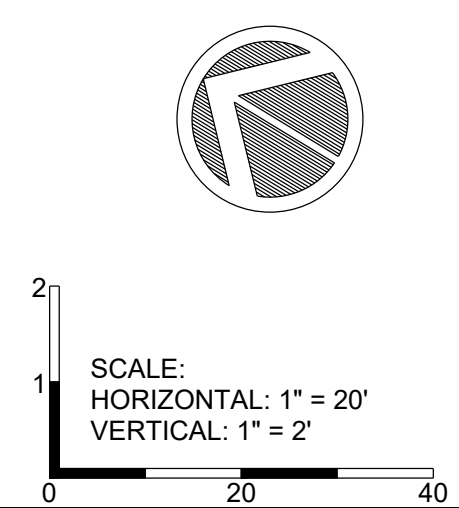
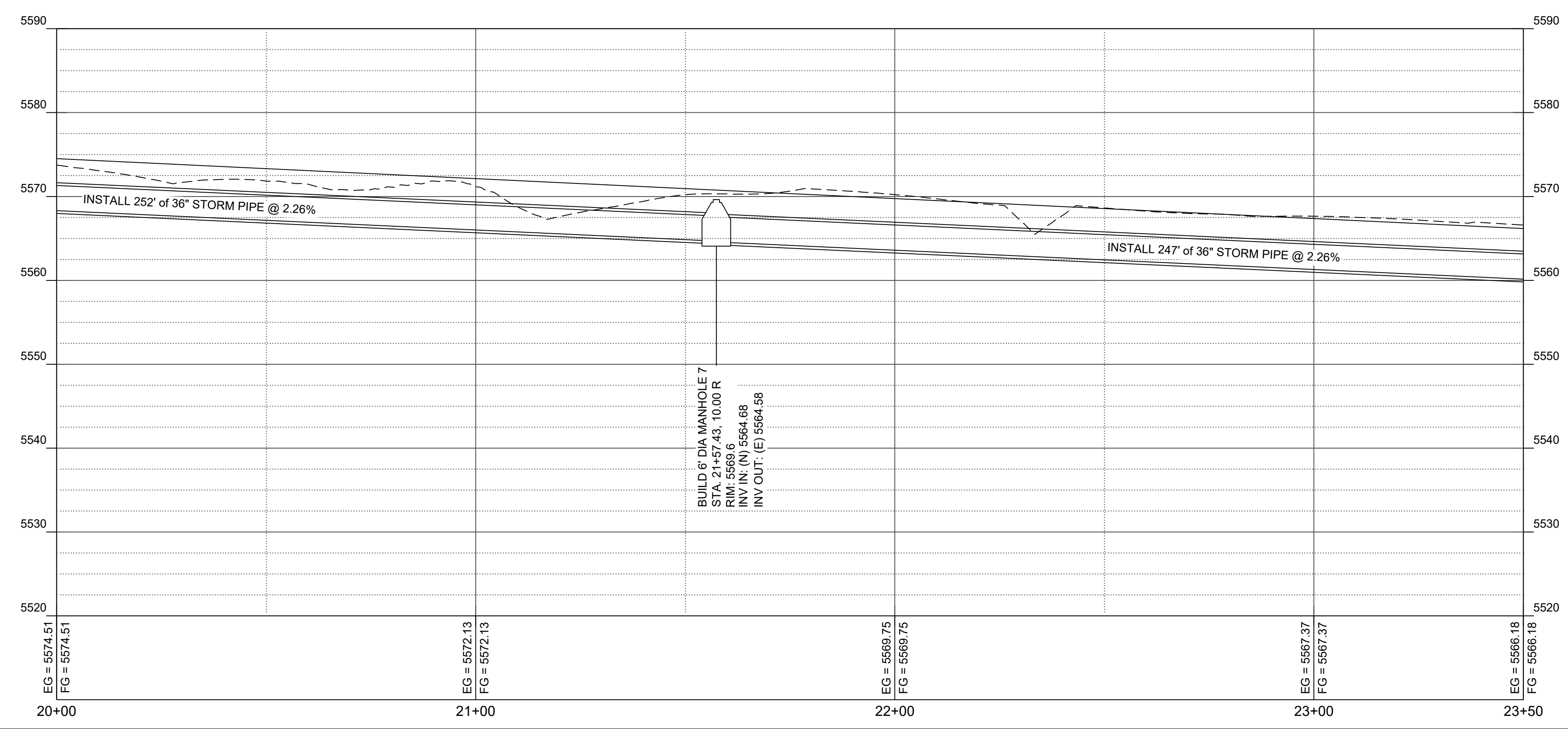


- KEYED NOTES:**
1. CONSTRUCT TYPE 'C' MANHOLE PER CORR STD. DWG NO. S-03-01 & S-03-02. SEE DETAIL SHEET 22.
 2. INSTALL 36" STORM DRAIN PIPE. SEE CORR STD. DWG. S-04. SEE DETAIL SHEET 22.
 3. INSTALL TRASH RAX - RS-48 OR APPROVED EQUAL ON 36" MANHOLE OPENING. CONTRACTOR TO GRADE AROUND STRUCTURE TO FIT. SEE DETAIL SHEET 23.

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SD PROFILE



SUNSET CHANNEL IMPROVEMENTS

STORM DRAIN PLAN AND PROFILE

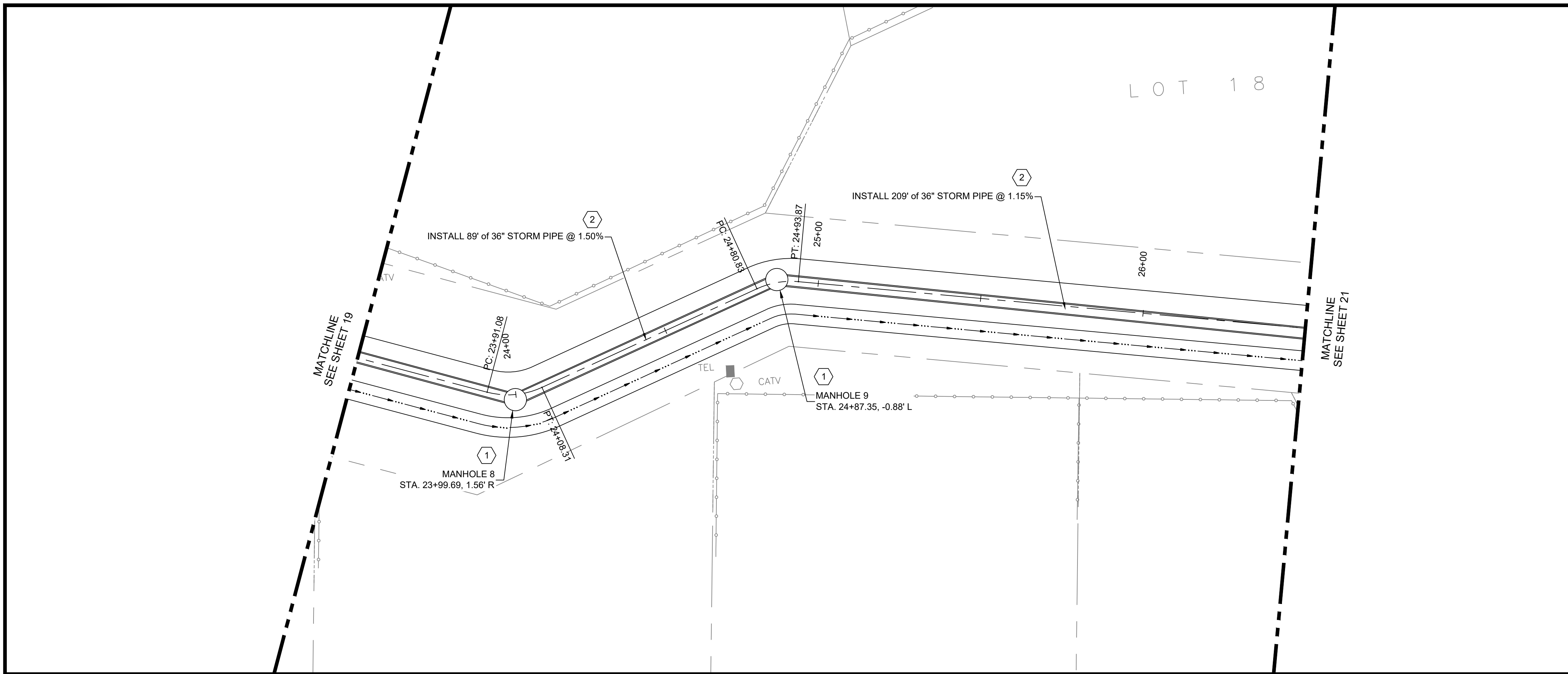
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

REVISIONS & CHANGE NOTICES

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| 1 | REVISION #1 | 4/22/24 |
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PROJECT NO: BL_P0002-01
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- 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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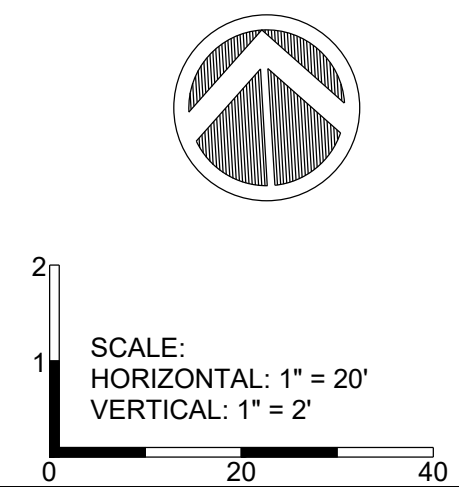
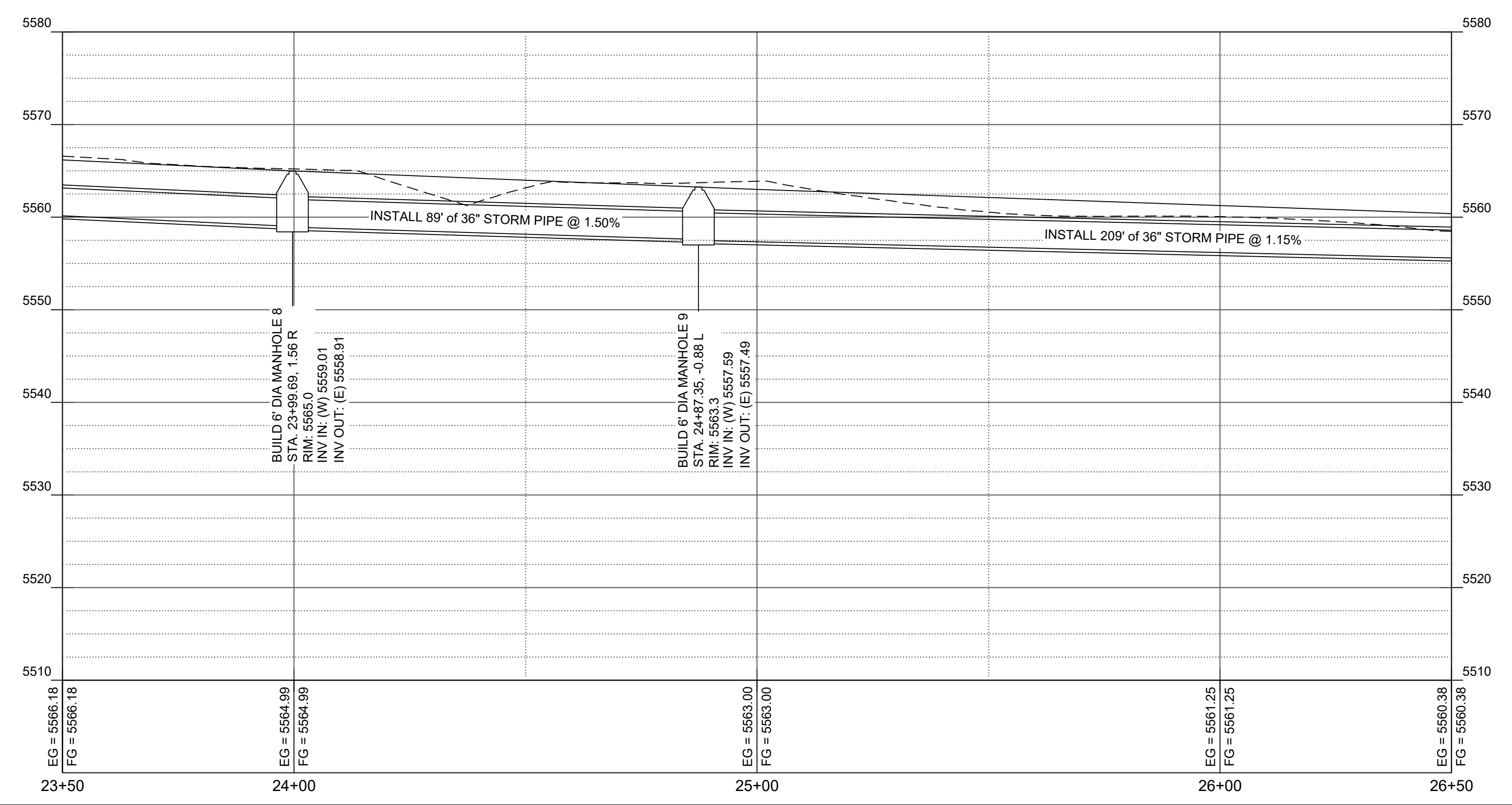


SUNSET CHANNEL IMPROVEMENTS

STORM DRAIN PLAN AND PROFILE

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

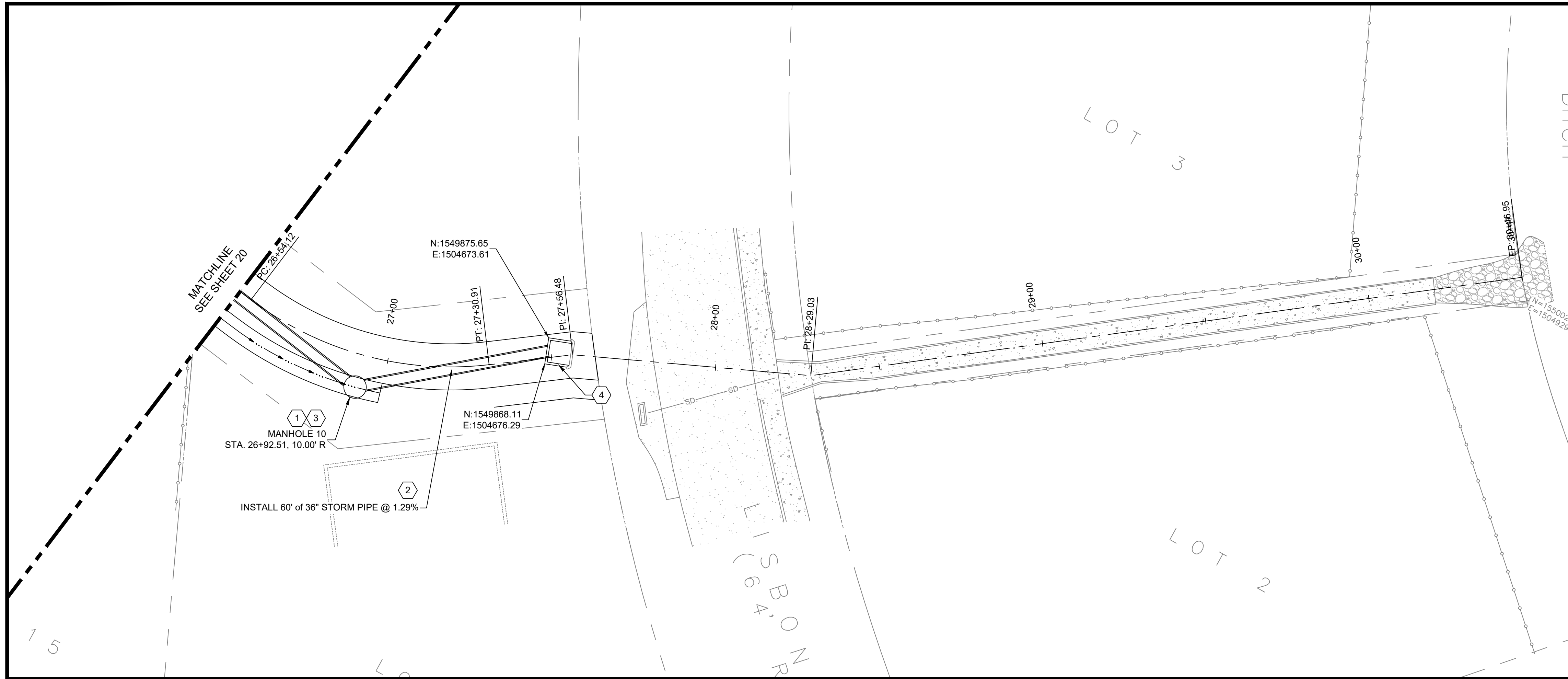
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PROJECT NO: BL_P0002-01
DESIGNED BY: AES
DRAWN BY: JDV
CHECKED BY: JN
DATE: 2/22/2024

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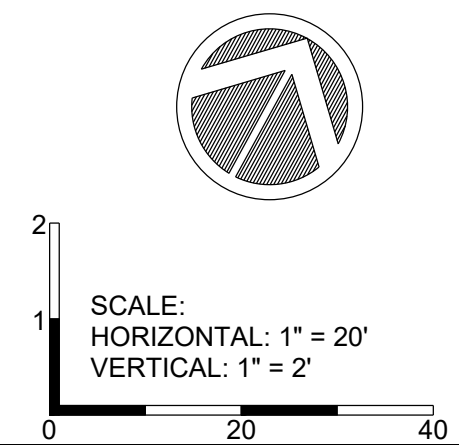
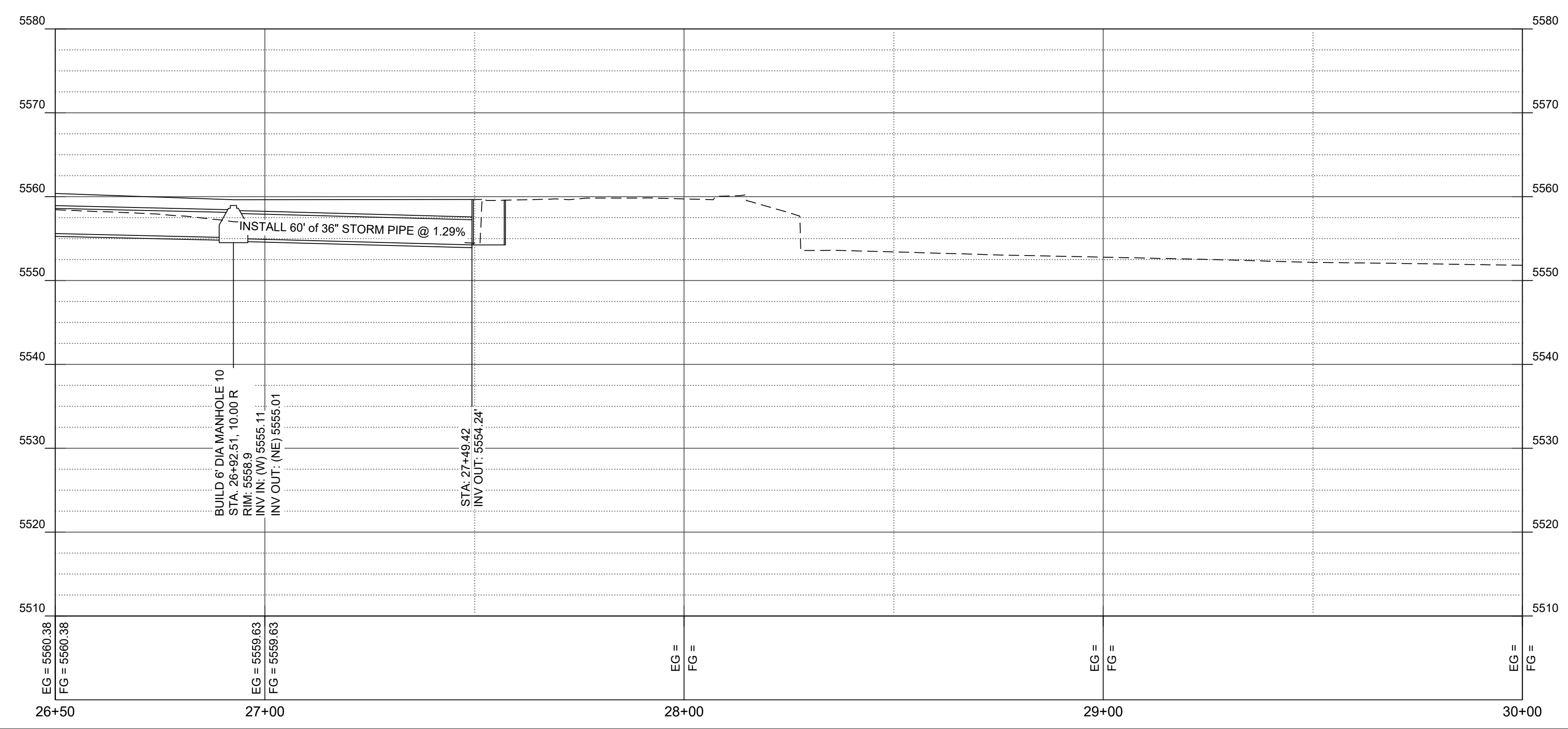


- KEYED NOTES:
1. CONSTRUCT TYPE 'C' MANHOLE PER CORR STD. DWG NO. S-03-01 & S-03-02. SEE DETAIL SHEET 22.
 2. INSTALL 36" STORM DRAIN PIPE. SEE CORR STD. DWG. S-04. SEE DETAIL SHEET 22.
 3. INSTALL TRASH RAX - RS-48 OR APPROVED EQUAL ON 36" MANHOLE OPENING. CONTRACTOR TO GRADE AROUND STRUCTURE TO FIT. SEE DETAIL SHEET 23.
 4. INSTALL JUNCTION BOX. SEE DETAIL SHEETS 24 & 25.

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SUNSET CHANNEL IMPROVEMENTS

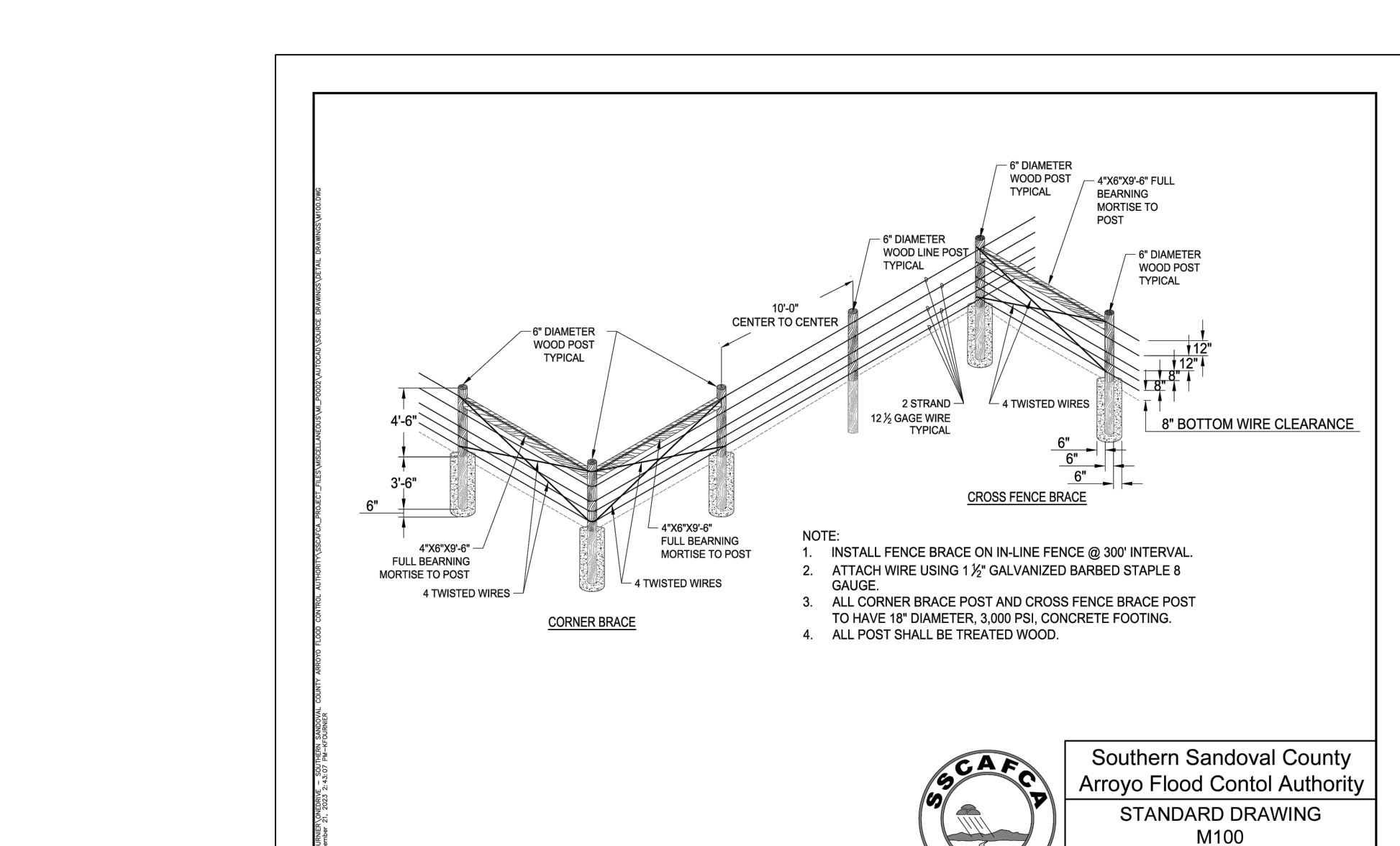
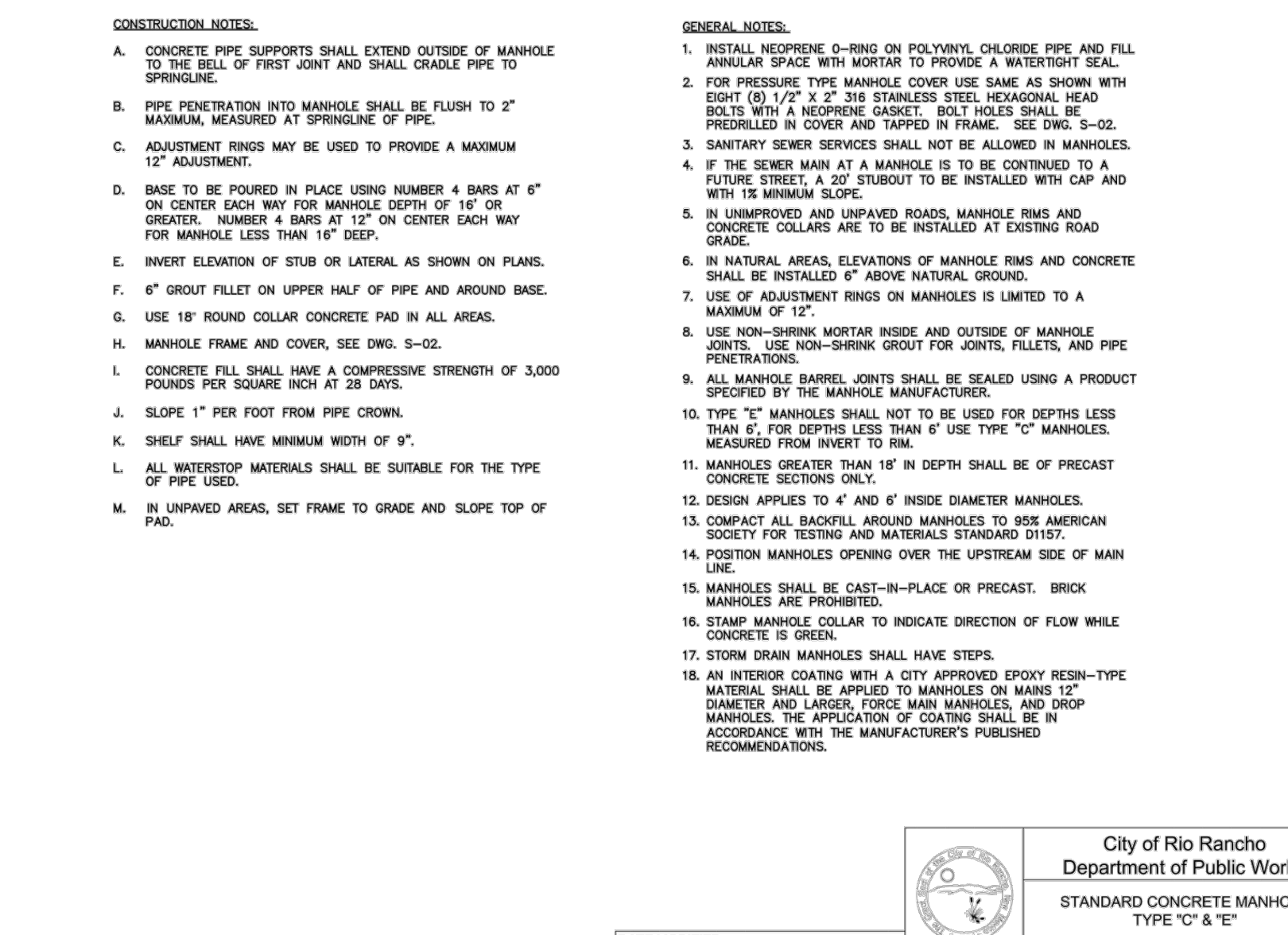
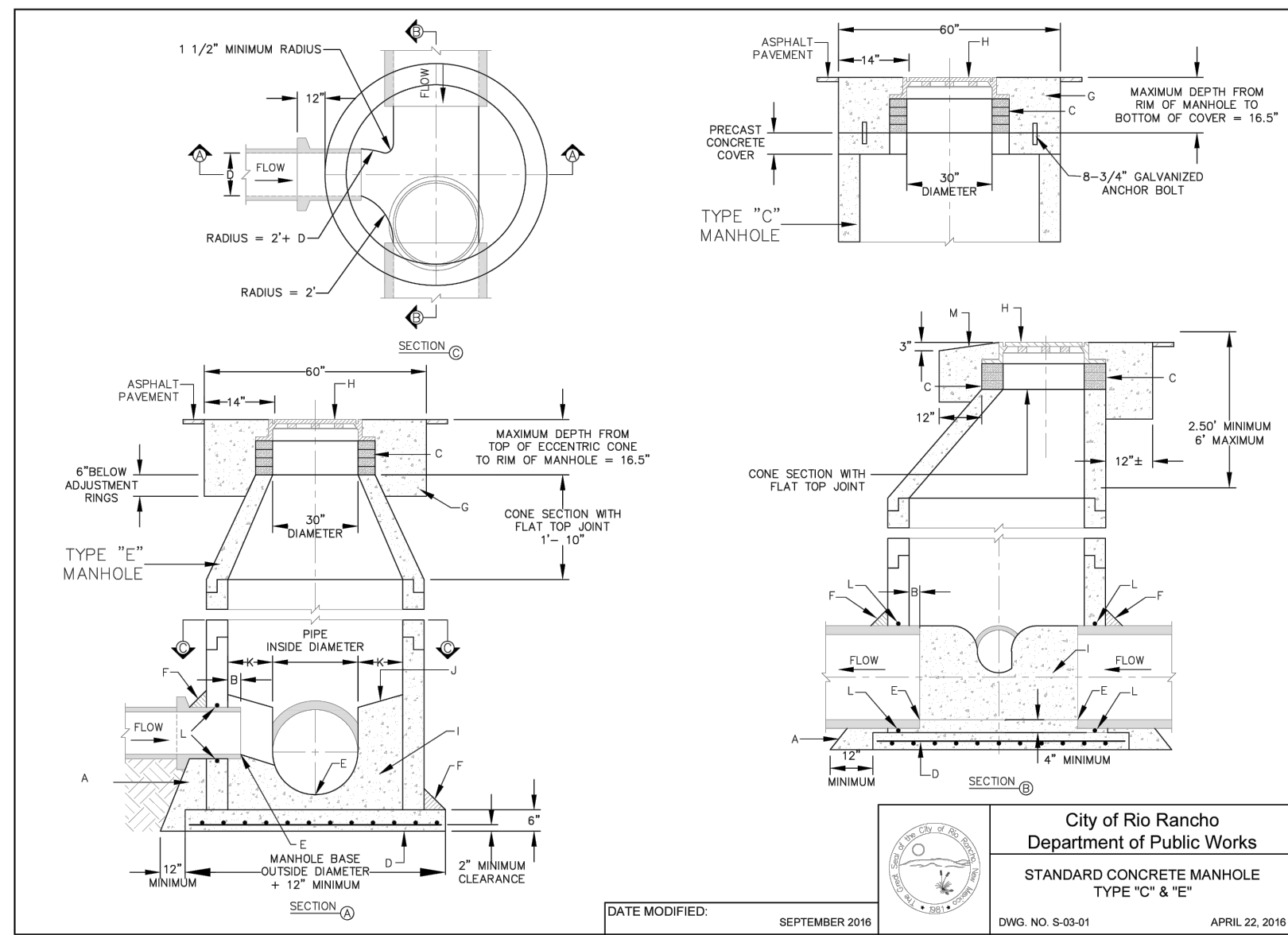
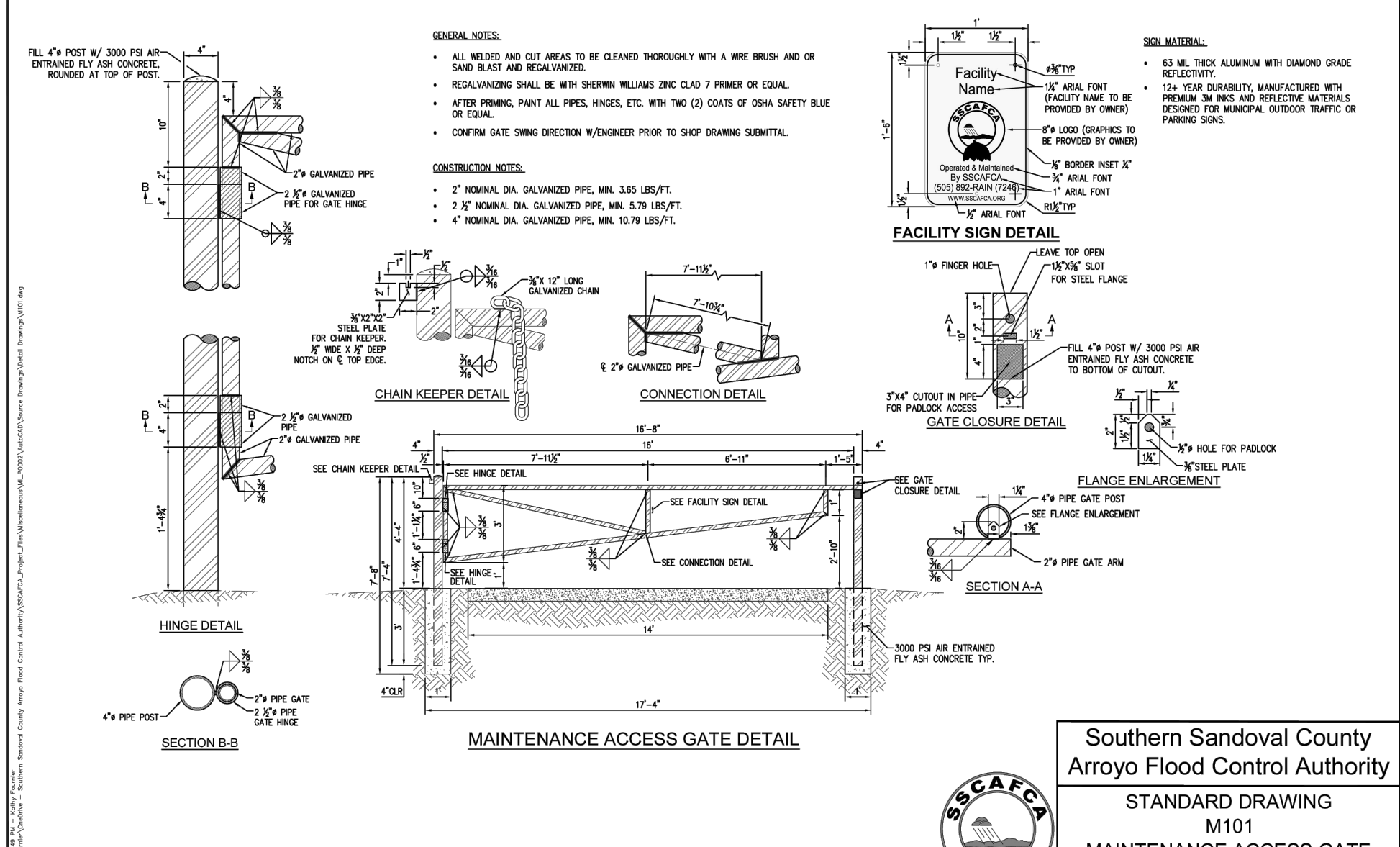
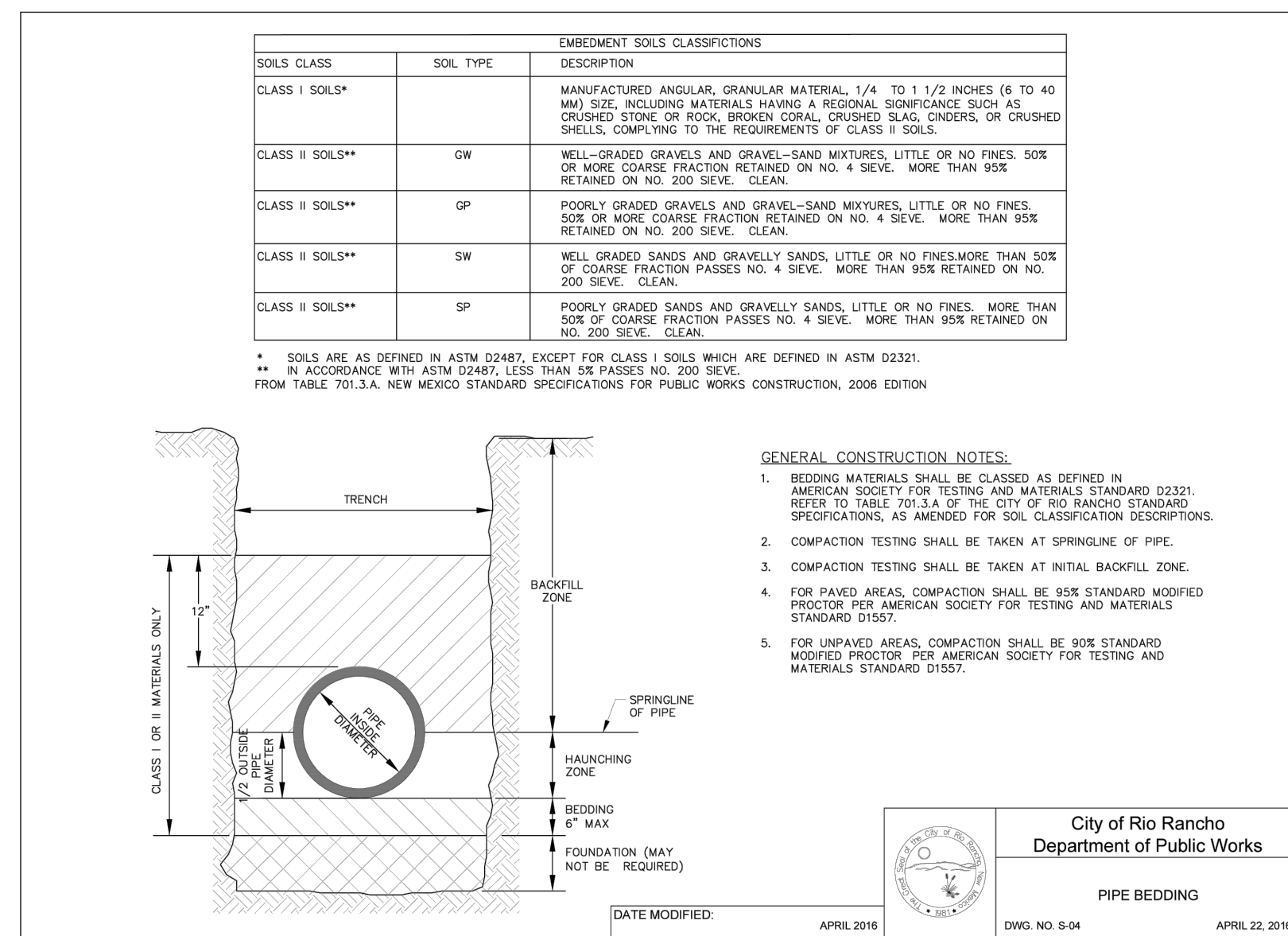
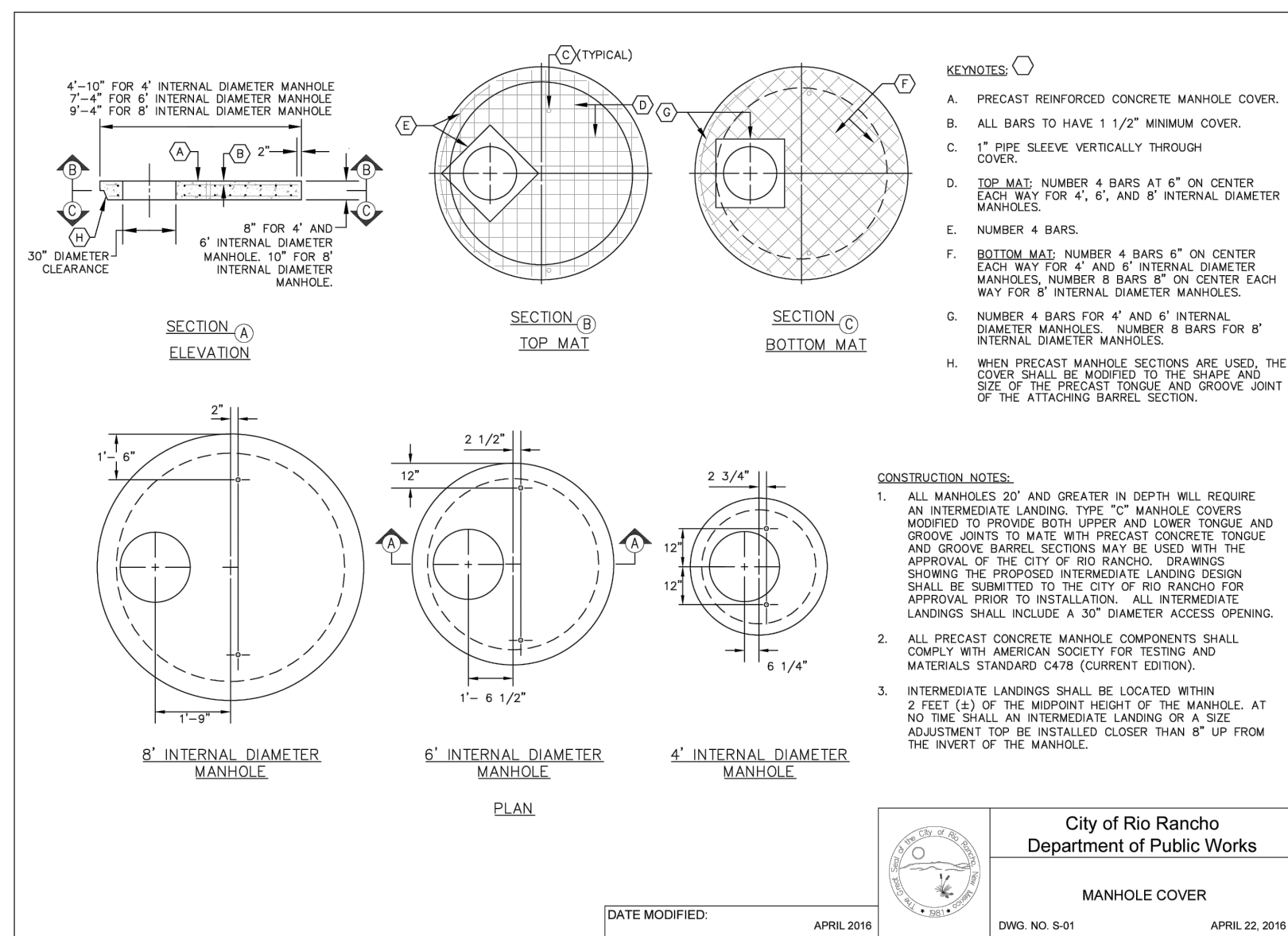
STORM DRAIN PLAN AND PROFILE

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 |
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| 1 | REVISION #1 | 4/22/24 |
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PROJECT NO: BL_P0002-01
 DESIGNED BY: AES
 DRAWN BY: JDV
 CHECKED BY: JN
 DATE: 2/22/2024



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 DETAILS

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| REVISIONS & CHANGE NOTICES | | |
|----------------------------|-------------|------|
| MARK | DESCRIPTION | DATE |
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PROJECT NO: BL_P0002-01
DESIGNED BY: AES
DRAWN BY: JNV
CHECKED BY: JVN
DATE: 2/22/2024

Monday, April 22, 2024 8:51:30 AM - James Vignone - Southern Sandoval County Arroyo Flood Control Authority - SSCAFCA - Project Files - SBCA - BL_P0002-01 - AutoCAD - SHEET S32 - GENERAL DETAILS.dwg

Monday, April 15, 2024 8:51:37 AM - James Vign...
 C:\Users\jvign...
 Southern Sandoval County Arroyo Flood Control Authority\SSCAFCA_Projects\Drawings\General Details.dwg



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

23

SHEET 23 OF 25

| | |
|----------------------------------|--|
| 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

SIDE VIEW

PLASTIC SOLUTIONS INC.
TRASH RACK OR EQUAL

SUPPORT T CROSS BARS
WITH FASTENERS ATTACHED
TO TRASH RACK

CORRUGATED METAL OR
PLASTIC PIPE

| PART NO. | RISER | | ROUND SERIES TRASH RACKS | | | | | | | |
|----------|----------------------|--------------------------|--------------------------|---------|---------|--------|--------|---------|--------|--------|
| | CONCRETE INSIDE DIA. | CMP OR HDPE NOMINAL DIA. | A | B | C | D | E | F | G | H |
| RS-24 | 24"φ | 12"φ-18"φ | 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"φ | 21"φ-30"φ | 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"φ | 33"φ-42"φ | 27 3/4" | 17 3/4" | 7" | 8 1/2" | 6 3/4" | 54 1/4" | 8 1/2" | 9" |
| RS-60 | 60"φ | 48"φ-54"φ | 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.
 2000 WEST CENTRAL EXPRESS DRIVE, SUITE 400
 WEST CHESTER, OHIO 45386
 PH: 1.800.338.1122 FAX: 513.645.7399
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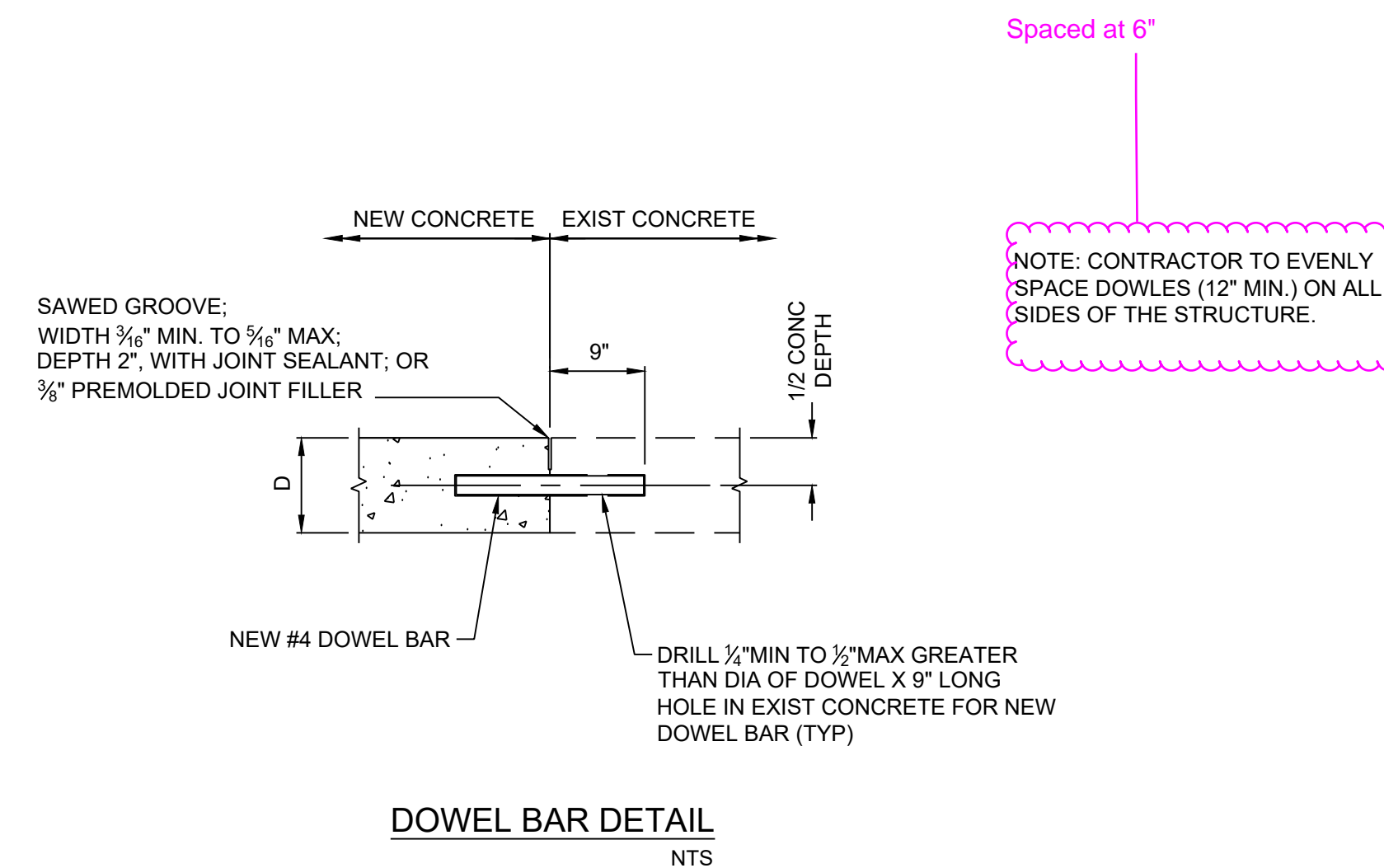
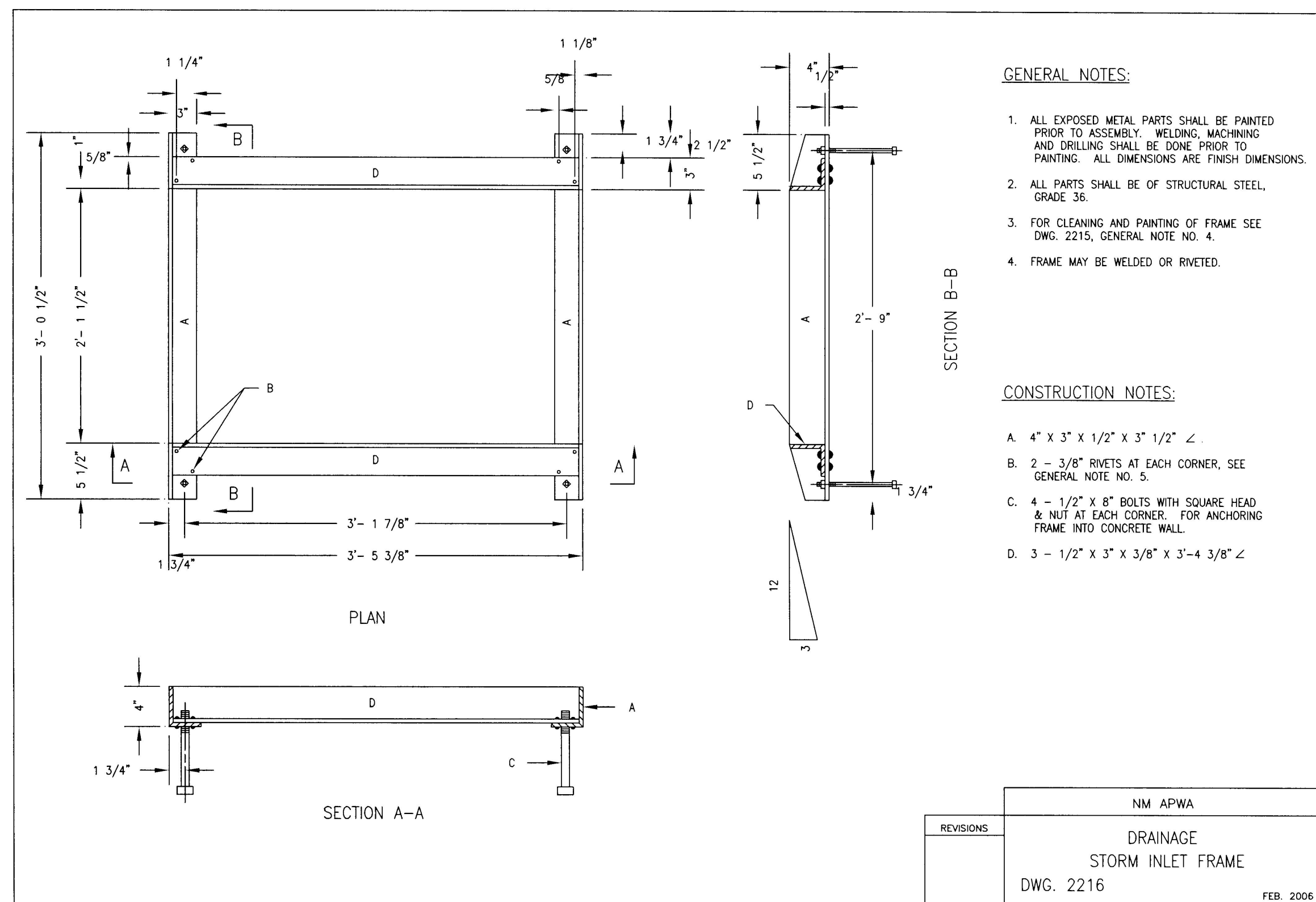
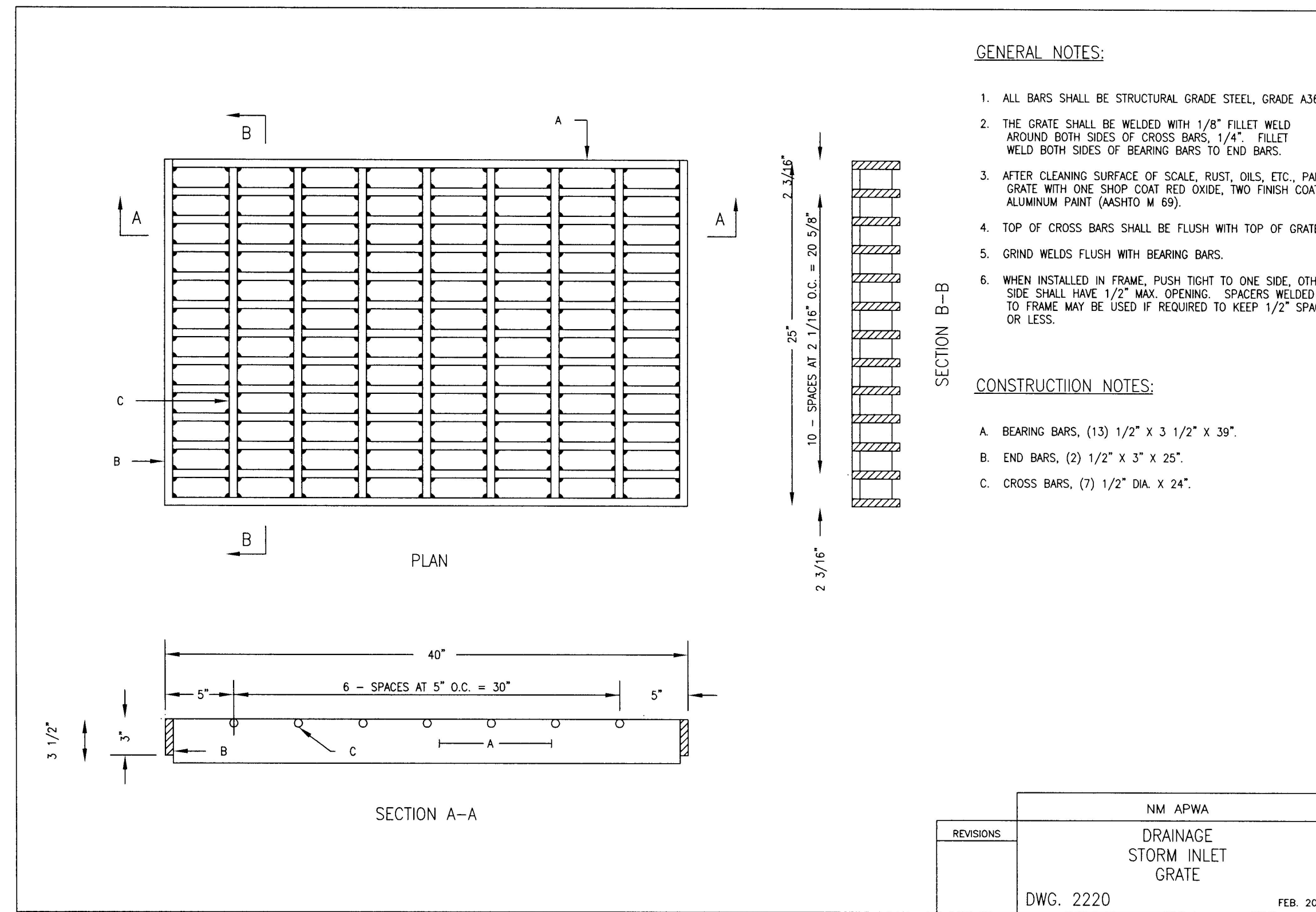
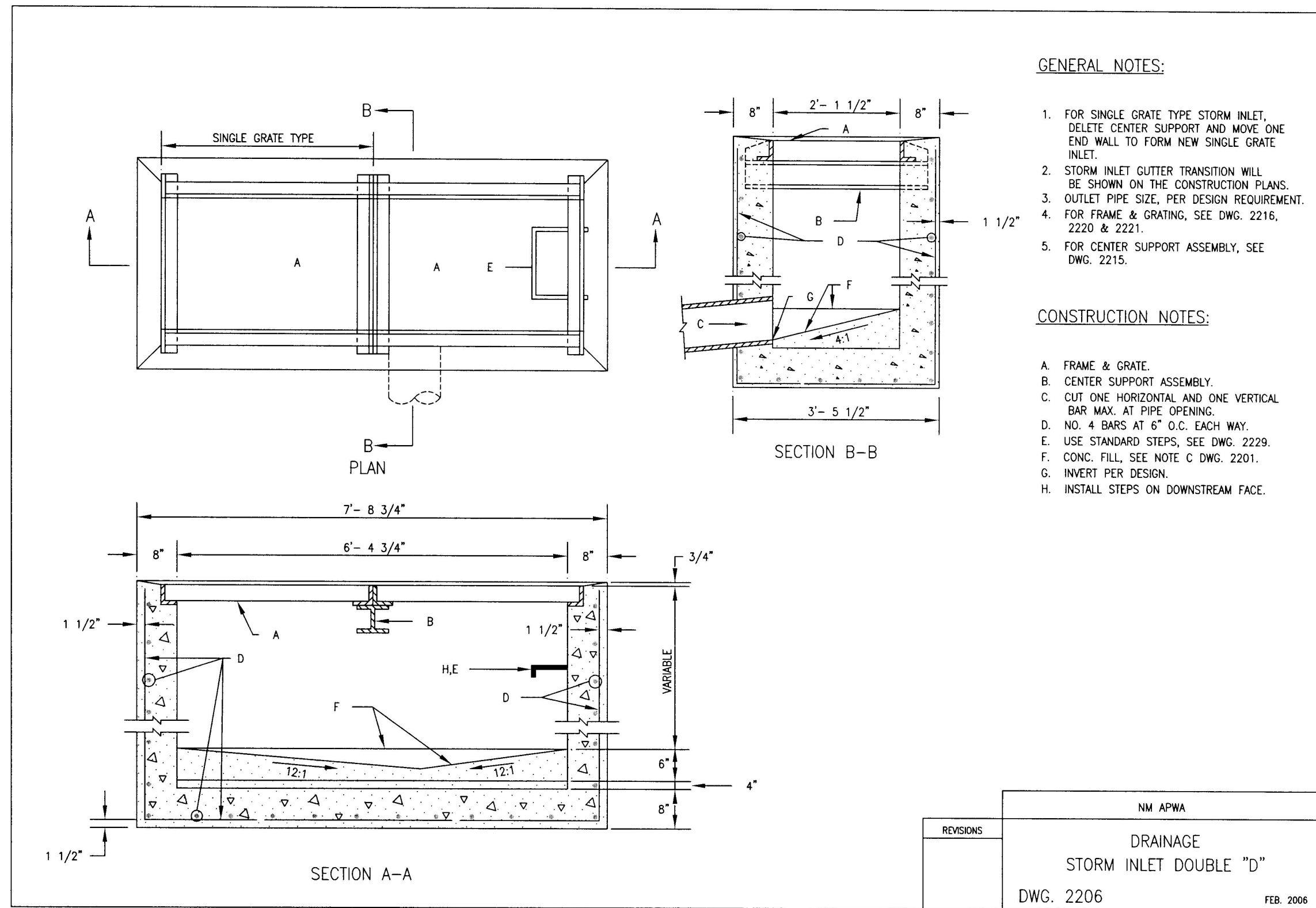
CUSTOMER: _____ DATE: _____

PROJECT: _____ DRAWN BY: _____

APPROVED BY: _____

DETAIL: _____

Monday, April 15, 2024 8:51:35 AM - James Vignone - SCAFCFA - Southern Sandoval County Arroyo Flood Control Authority - SCAFCFA - Project Files - SCAFCFA - Project Files - SCAFCFA - VALLT AND INLET DETAILS.dwg



**Southern Sandoval
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SUNSET CHANNEL IMPROVEMENTS

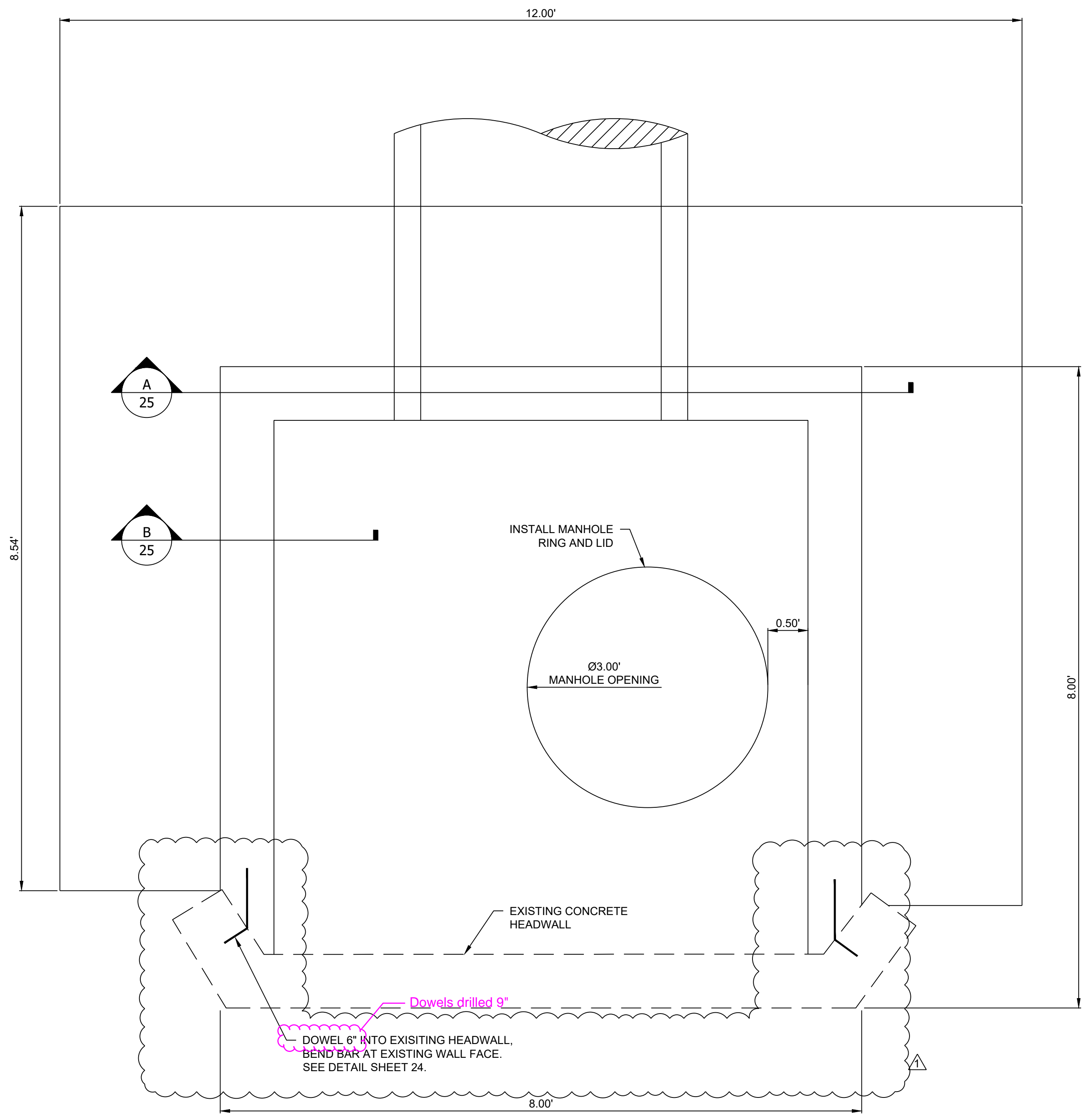
VAULT AND INLET DETAILS

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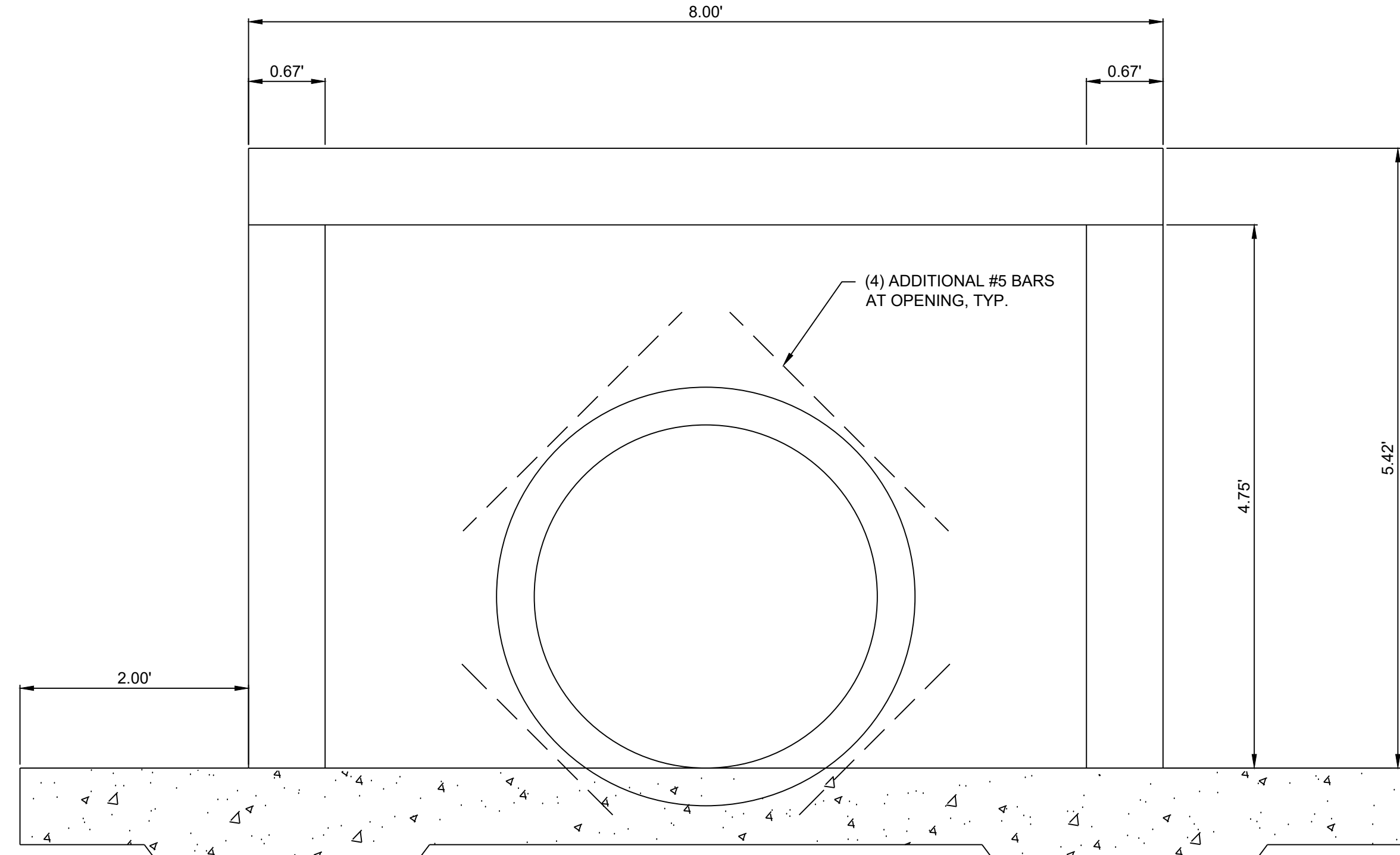
| REVISIONS & CHANGE NOTICES | | |
|----------------------------|-------------|--------|
| MARK | DESCRIPTION | DATE |
| 1 | ADDENDUM #1 | 3/6/24 |
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PROJECT NO: BL_P0002-01
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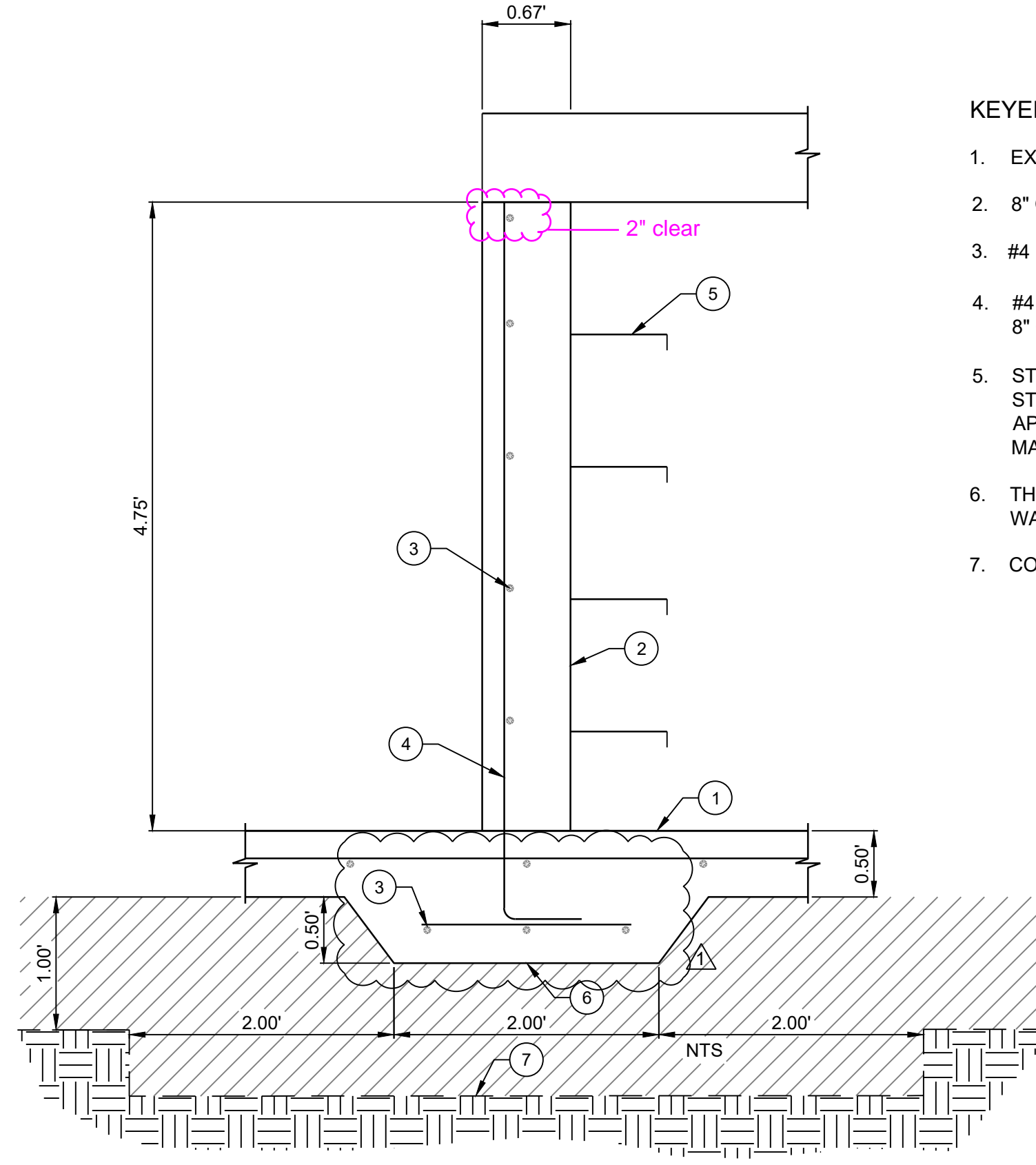
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OUTFALL STRUCTURE PLAN
NTS



SECTION A: OUTFALL PIPE
NTS



SECTION B: SIDEWALL DETAIL

- KEYED NOTES:**
1. EXISTING CONCRETE SLAB ON GRADE.
 2. 8" CONCRETE WALL.
 3. #4 HORIZONTAL BARS AT 8" O.C. MAX.
 4. #4 VERTICALS WITH STANDARD HOOK AT 8" O.C. MAX.
 5. STEEL-REINFORCED PLASTIC MANHOLE STEP, M.A. INDUSTRIES PFS-2-DF, OR APPROVED EQUAL. EMBED 3" MIN. PER MANUFACTURER'S SPECIFICATION.
 6. THICKENED SLAB CENTERED UNDER WALL.
 7. COMPACTED FILL.



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VAULT AND INLET DETAILS

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