

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

September 4, 2025

Jared Romero, P.E.
AMAFCA
2600 Prospect Ave NE
Albuquerque, NM 87107

**RE: Swinburne Dam Grade Control Structures
99999 Unser Blvd NW
Grading and Drainage Plan
Engineer's Stamp Date: 9/2/2025
Hydrology File: A10D014**

Dear Mr. Romero:

PO Box 1293

Based upon the information provided in your submittal received 09/3/2025, the Grading & Drainage Plan is approved for Building Permit and Grading Permit. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

Albuquerque

PRIOR TO CERTIFICATE OF OCCUPANCY:

NM 87103

1. Engineer's Certification, per the DPM Part 6-14 (F): *Engineer's Certification Checklist For Non-Subdivision* is required.

www.cabq.gov

As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Doug Hughes, PE, jhughes@cabq.gov, 924-3420) 14 days prior to any earth disturbance.

If you have any questions, please contact me at 505-924-3314 or amontoya@cabq.gov.

Sincerely,

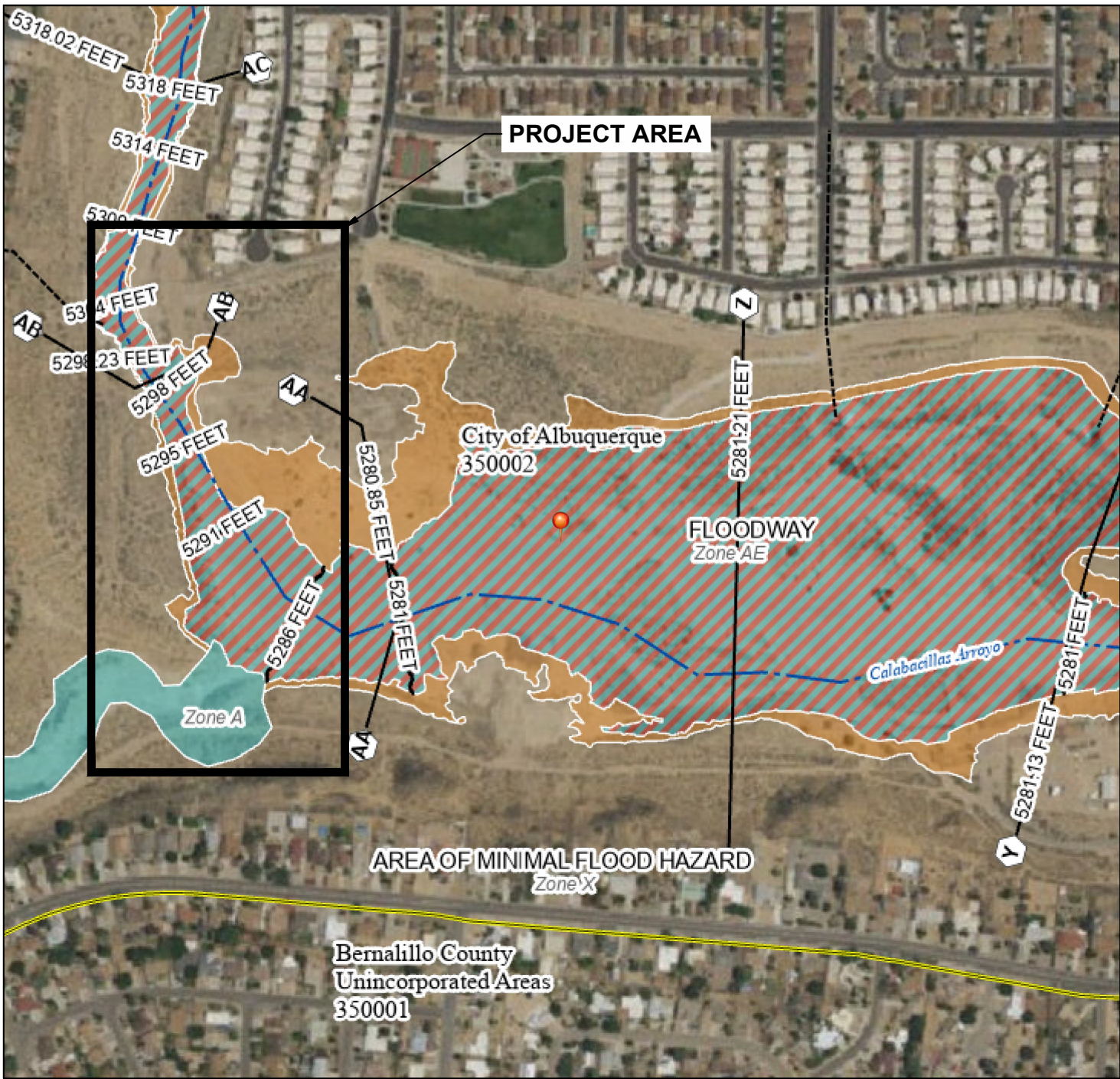
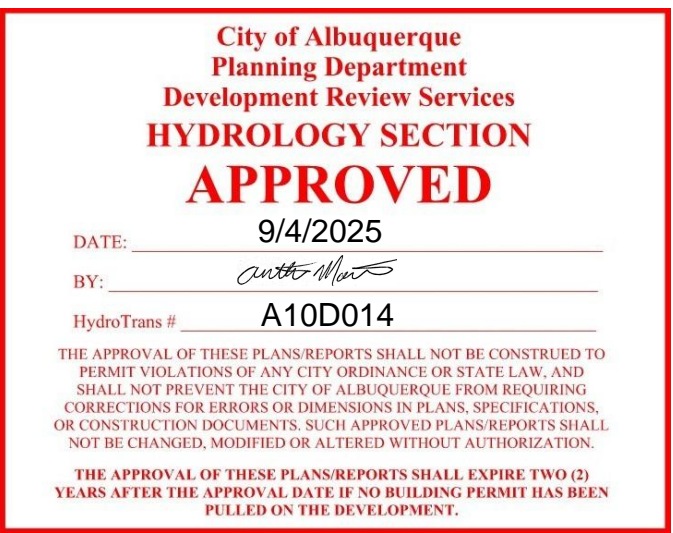
Anthony Montoya, Jr., P.E., C.F.M.
Senior Engineer, Hydrology
Planning Department, Development Review Services



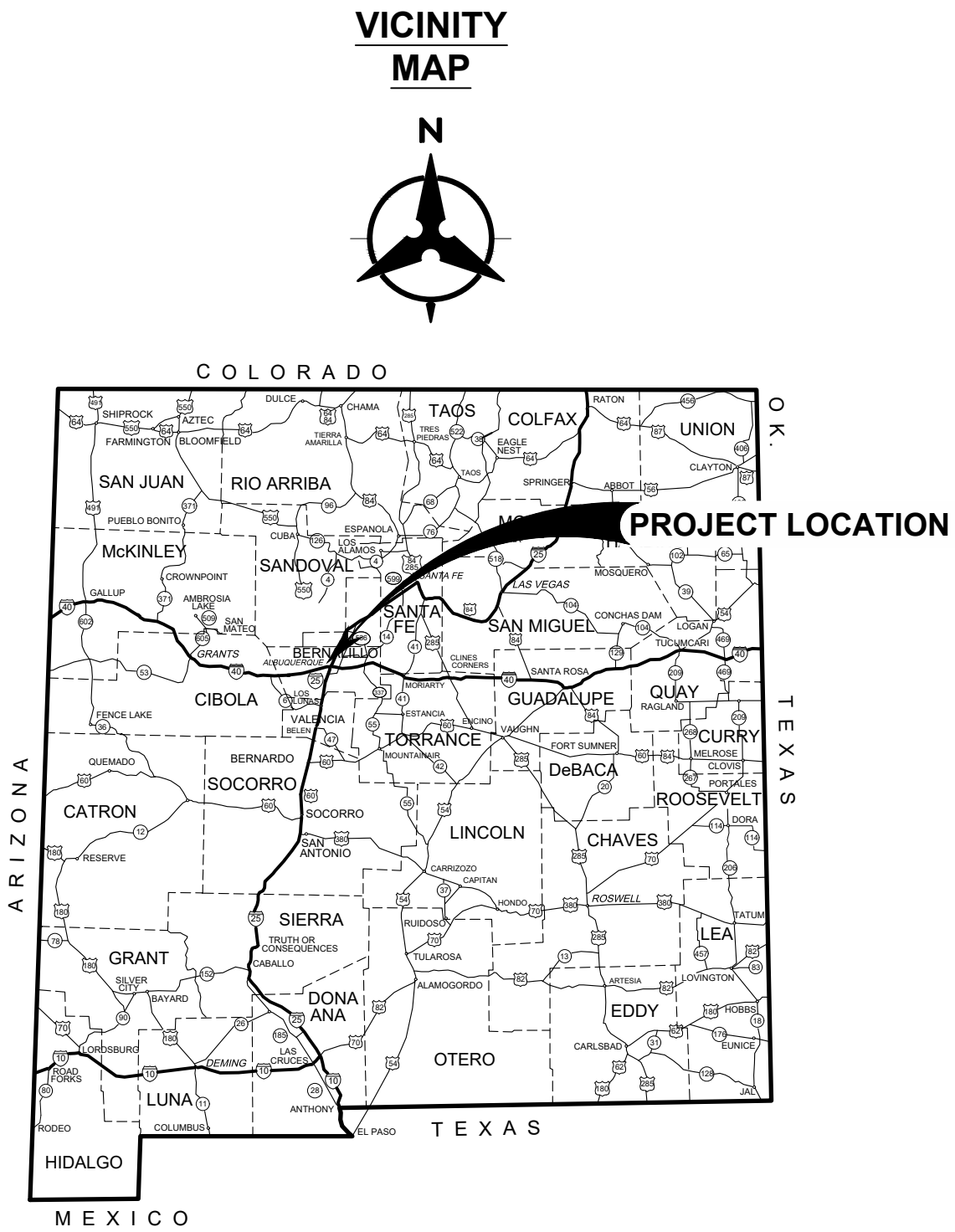
CONSTRUCTION PLANS FOR ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY SWINBURNE DAM GRADE CONTROL STRUCTURES ALBUQUERQUE, NEW MEXICO

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FIRM PANEL 35001C0104H
Effective Date: August 16, 2012



REFERENCES:

- Bohannon Huston, Inc., Construction Plans for Calabacillas Arroyo Grade Control Structures and Bank Protection Phase 3, August 2001.
- Bohannon Huston, Inc., Swinburne Dam Grade Control Structures - Design Memorandum, August 2025.
- Geo-Test, Inc. Geotechnical Engineering Services Report Job No. 1-41206 - Swinburne Dam Grade Control Structures, January 2024.
- Mussetter, R.A., Lagassee, P.F., and Harvey, M.F., Sediment and Erosion Design Guide, prepared for Albuquerque Metropolitan Arroyo Flood Control Authority, March 1994.
- Tetra Tech, Calabacillas Arroyo Facility Plan Above Swinburne Dam - Final, July 2021.
- Tetra Tech, Swinburne Dam Grading Plan Memorandum, January 2022.

APPROVED FOR BIDDING AND CONSTRUCTION	
KEVIN TROUTMAN EXECUTIVE DIRECTOR	DATE

September 2, 2025

AMAFCA SWINBURNE DAM GRADE CONTROL STRUCTURES COVER SHEET, SHEET INDEX, VICINITY MAP, AND PROJECT LOCATION			
BHI PROJECT NO.	20240392	DWG NO.	G-01
SHEET		01	OF 22

AMAFCA GENERAL NOTES:

1. AMAFCA SHALL BE NOTIFIED BY EMAIL OR BY PHONE AT (505) 884-2215 AT LEAST TEN (10) DAYS PRIOR TO START OF ANY WORK IN AMAFCA ROW/EASEMENT.
2. AMAFCA SHALL BE NOTIFIED AT LEAST FORTY- EIGHT (48) HOURS PRIOR TO ANY CONCRETE INSTALLATION TO ALLOW FOR INSPECTION OF THE REBAR AND SUBSURFACE PREPARATION.
3. AMAFCA SHALL BE NOTIFIED BY EMAIL OR BY PHONE AT (505) 884-2215 AT LEAST TEN (10) DAYS PRIOR TO REQUEST FOR FINAL INSPECTION OF THE WORK WITHIN THE AMAFCA RIGHT-OF-WAY OR EASEMENT.
4. NO WORK WILL BE PERFORMED IN THE AMAFCA ROW/EASEMENT BETWEEN MAY 15 AND OCTOBER 15 WITHOUT PRIOR WRITTEN AUTHORIZATION FROM AMAFCA.
5. CERTIFIED AS-BUILT PLANS SHALL BE SUBMITTED TO AMAFCA FOR ANY CONSTRUCTION WITHIN THE AMAFCA ROW/EASEMENT.
6. ALL DISTURBED GROUND AREAS SHALL BE REVEGETATED IN ACCORDANCE WITH AMAFCA SUPPLEMENTAL TECHNICAL SPECIFICATION 632, AS CURRENTLY UPDATED.
7. ANY EXISTING SURVEY CONTROL MONUMENTS THAT ARE DISTURBED OR DAMAGED AS A RESULT OF THE CONSTRUCTION OR MAINTENANCE ACTIVITIES, SHALL BE REPLACED BY A LICENSED SURVEYOR IN NEW MEXICO AT THE CONTRACTOR'S EXPENSE. AMAFCA SHALL BE NOTIFIED AT LEAST FORTY- EIGHT (48) HOURS PRIOR TO ANY MONUMENT PLACEMENT.
8. THE CONTRACTOR SHALL MAINTAIN OR REPAIR ALL AMAFCA INFRASTRUCTURE INCLUDING BUT NOT LIMITED TO FENCING, GATES, SIGNAGE, AND ALL OTHER FACILITIES. ALL REPAIRS WILL BE PERFORMED TO RETURN FACILITIES TO ORIGINAL OR AMAFCA-APPROVED CONDITION.
9. DUST SUPPRESSION SHALL BE MAINTAINED SEVEN (7) DAYS A WEEK DURING CONSTRUCTION ACTIVITY. DURING PERIODS OF CONSTRUCTION INACTIVITY, THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN DUST CONTROL MEASURES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TRACK-OUT REDUCTION MEASURES AND CLEAN UP ANY TRACK-OUT OF MATERIAL. THE CONTRACTOR SHALL CLEAN UP ANY SOIL DEPOSITS OR SPILLS ON ALL PAVED ROADS ALONG HAUL ROUTES.
11. THE CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC AND PEDESTRIAN CONTROL.
12. AT THE END OF EACH WORKDAY AND DURING TIMES OF CONSTRUCTION INACTIVITY, THE CONTRACTOR SHALL ENSURE ALL ACCESS GATES TO THE FACILITY ARE CLOSED AND LOCKED.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRASH AND DEBRIS REMOVAL IN THE AREA OF THE CONSTRUCTION ACTIVITY. ALL GRAFFITI WILL BE REMOVED OR APPROPRIATELY COVERED UP WITHIN ONE DAY (24 HOURS).
14. ANY FINES IMPOSED AGAINST AMAFCA DUE TO THE CONTRACTOR'S ACTIVITIES THAT VIOLATE THE CONDITIONS OF ANY REQUIRED DUST OR STORMWATER QUALITY PERMIT SHALL BE REIMBURSED BY THE CONTRACTOR.
15. ANY FINES LEVIED AGAINST THE CONTRACTOR DUE TO ITS ACTIVITIES THAT VIOLATE ANY LOCAL STATUTES OR REQUIREMENTS SHALL BE PAID BY THE CONTRACTOR.
16. IF AMAFCA IS FINED AS BEING THE LANDOWNER OF THE PROPERTY, DUE TO THE CONTRACTOR'S ACTIVITIES, THE CONTRACTOR SHALL REIMBURSE AMAFCA FOR ALL COSTS ASSOCIATED WITH PAYMENT OF THE FINE BY AMAFCA.
17. THE CONTRACTOR SHALL REMOVE ANY CONCRETE, ASPHALT OR OTHER DEBRIS FOUND WITHIN THE CONSTRUCTION AREA AND APPROPRIATELY DISPOSE OF SAID DEBRIS AT NO COST TO AMAFCA.
18. THE MAXIMUM WHEEL LOAD ALLOWED IN THE AMAFCA CHANNEL SHALL BE TWELVE THOUSAND (12,000) POUNDS.
19. NO TRACKED VEHICLES WILL BE ALLOWED IN AMAFCA HARD-LINED OR CONCRETE CHANNEL WITHOUT WRITTEN PERMISSION FROM AMAFCA.
20. CRANES OPERATING WITH OUTRIGGERS IN THE CHANNEL SHALL LIMIT THE OUTRIGGER FOOTPRINT LOAD AREA TO LESS THAN TWELVE THOUSAND (12,000) POUNDS.




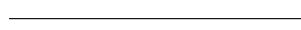



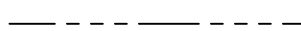







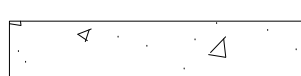
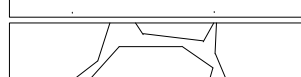


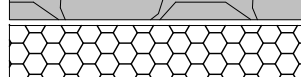
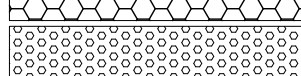
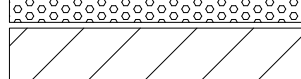
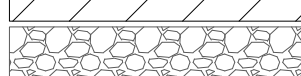

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES, AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.
- MORE THAN ONE HANDLING PRIOR TO FINAL PLACEMENT, INCLUDING STOCKPILING AND BLENDING TO MEET GRADATION REQUIREMENT OR STOCKPILING FOR LATER DISPOSAL, OF FILL MATERIALS FROM EXCAVATION OR BORROW WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNIT PRICE FOR EXCAVATION, BACKFILL AND COMPACTION. NO SEPARATE PAYMENT SHALL BE MADE FOR MULTIPLE HANDLING, AND FINAL PAYMENT SHALL BE MADE ON THE BASIS OF QUANTITIES REMOVED FROM THE ORIGINAL LOCATION.
- THE CONTRACTOR SHALL EXCAVATE AND FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS, WATER, SEWER AND OTHER UTILITY LINES, CABLES AND, APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION SHALL BE COORDINATED WITH THAT UTILITY, BE IT PRIVATE OR PUBLIC OWNED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE THEIR ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
- DISPOSAL OF UNSUITABLE MATERIAL AND ITEMS DESIGNATED FOR REMOVAL WITHOUT SALVAGE SHALL BE IN ACCORDANCE WITH LANDFILL (DISPOSAL) SITE REQUIREMENTS. COSTS ARE INCIDENTAL.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES AND OTHER IMPROVEMENTS WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
- SLOPE/GRADING LIMITS AND LIMITS OF EXCAVATION SHOWN ON THE PLANS DEFINE "LIMITS OF WORK" FOR THIS PROJECT. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.
- EXCEPT AS NOTED, CONTRACTOR SHALL KEEP ALL STAGING AREAS WITHIN THE PUBLIC RIGHT-OF-WAY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL BE ONLY WITHIN PUBLIC RIGHT-OF-WAY.
- THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (E.G. BARRICADING, FUGITIVE-DUST PERMIT, NPDES, FLOODPLAIN PERMIT, ETC.). COSTS ARE INCIDENTAL.
- ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
- THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE BEGINNING AND END OF EACH DAY.
- THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB & GUTTER, DRIVE PADS, WHEELCHAIR RAMPS, AND SIDEWALK DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE, PER COA STANDARDS, AT THEIR OWN EXPENSE.
- CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING FENCES OR GATES DURING CONSTRUCTION. CONTRACTOR MAY INSTALL AN ACCESS GATE. ANY INSTALLED GATE MUST BE LOCKED UP AFTER HOURS AND AT ALL TIMES WHEN CONTRACTOR IS NOT ON SITE. AT PROJECT END, CONTRACTOR SHALL REPLACE FENCES EXACTLY AS THEY WERE. INSTALLATION, REMOVAL AND REPLACEMENT OF GATE AND/OR FENCING IS AT CONTRACTOR'S EXPENSE.
- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
- ARROYO ACCESS SHALL BE MADE ONLY AT LOCATIONS APPROVED BY AMAFCA. THE CONTRACTOR SHALL OBTAIN APPROVAL 15 WORKING DAYS PRIOR TO STARTING CONSTRUCTION WITHIN THE ARROYO.
- SITE CLEARING AND GRUBBING MAY BE STOCKPILED AND PLACED IN TOP ONE FOOT OF FINAL EMBANKMENT PRIOR TO RE-SEEDING. NO TRASH OR DEBRIS WILL BE ALLOWED IN EMBANKMENT AND MUST BE REMOVED FROM THE PROJECT SITE.
- SUBGRADE PREPARATION FOR THE GCS BASES (NOT SLOPES) SHALL EXTEND TWO (2) FEET HORIZONTALLY BEYOND THE PERIMETER OF THE BASES.
- SUBGRADE PREPARATION OF GCS SLOPES AND SLOPES FOR BANK PROTECTION SHALL CONSIST OF SCARIFYING SLOPE FACE TO A DEPTH OF 12 INCHES, MOISTURE CONDITIONING, AND COMPACTION. DEEP MOISTURE CONDITIONING IS NOT REQUIRED.
- UNLESS OTHERWISE NOTED, ALL COMPACTION SHALL BE A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED IN ACCORDANCE WITH ASTM D-1557 TEST METHOD. TESTS FOR DEGREE OF COMPACTION SHALL BE DETERMINED BY THE ASTM D-1556 METHOD OR ASTM D-6938. OBSERVATION AND FIELD TESTS SHALL BE CONDUCTED DURING FILL AND BACKFILL PLACEMENT BY THE AMAFCA'S PROJECT MANAGER TO ASSIST THE CONTRACTOR IN OBTAINING THE REQUIRED DEGREE OF COMPACTION. IF LESS THAN 95 PERCENT RELATIVE COMPACTION IS INDICATED, ADDITIONAL COMPACTION EFFORT SHALL BE MADE WITH ADJUSTMENT OF THE MOISTURE CONTENT AS NECESSARY UNTIL 95 PERCENT COMPACTION IS OBTAINED. MOISTURE CONTENT SHALL BE AT OR UP TO 3% ABOVE OF OPTIMUM MOISTURE PER ASTM D-1557.
- CONTRACTOR SHALL VERIFY ELEVATIONS OF SHOWN UTILITIES.
- AT A MINIMUM ALL POINTS SHOWN WITH "AB" ARE TO BE COLLECTED AND PROVIDED ON CERTIFIED AS-BUILTS. STRUCTURES SHALL NOT BE REBURIED UNTIL ALL AS-BUILT INFORMATION HAS BEEN COLLECTED AND THE STRUCTURE HAS BEEN INSPECTED.
- THE CONTRACTOR SHALL PLACE MATERIAL IN 10-FOOT MAXIMUM HEIGHT STOCKPILES. THE STOCKPILE SHALL BE SURFACE CRUSTED AS A DUST SUPPRESSION MITIGATION MEASURE.

NOTICE TO CONTRACTORS:

4. AMAFCA'S PM SHALL BE NOTIFIED OF ANY MATERIAL TO BE SALVAGED TO AMAFCA. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERING AND UNLOADING SALVAGED MATERIAL.
43. CLEANING OF EXISTING SOIL CEMENT OR RIPRAP IS INCIDENTAL TO THE ITEMS FOR DUMPED RIPRAP, GROUTED BOULDER AND CONCRETE/SHOTCRETE.
44. SALVAGE ONLY ROCK IN ARROYO BED AND ROCK ON SLOPES WHERE IN WAY OF NEW CONSTRUCTION.
45. CONTRACTOR SHALL TINT SHOTCRETE SAN DIEGO BUFF.
46. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION 2019 EDITION.
47. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
48. THE CONTRACTOR MUST LOCATE AND PROTECT DURING CONSTRUCTION ALL AMAFCA BRASS CAPS AND OTHER SURVEY MARKERS SHOWN ON PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE, AT THEIR EXPENSE, ANY AND ALL PROPERTY CAPS DESTROYED DURING CONSTRUCTION. RELOCATION OF DISTURBED MONUMENTS SHALL BE INCIDENTAL TO THE WORK. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT THEIR OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. ALL MONUMENTS AND PROPERTY CORNERS MUST BE RESET BY A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR. AMAFCA SHALL BE NOTIFIED AT LEAST TWO DAYS (48 HOURS) PRIOR TO ANY MONUMENT PLACEMENT.
49. CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND APPURTENANCES AS REQUIRED BY THE SPECIFICATIONS FOR PREPARATION OF "AS-CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND APPURTENANCES UNTIL ALL DATA HAS BEEN RECORDED.
50. CONTRACTOR SHALL PLACE ELECTRONIC MARKER DEVICES (EMD) ACCORDING TO STANDARD SPECIFICATION SECTION 170 AND INSTALL TRACE WIRE PER STANDARD SPECIFICATION SECTION 901.
51. UNDER NO CIRCUMSTANCE SHALL SEWAGE OR SOLIDS REMOVED FROM MANHOLES BE DISCHARGED ONTO STREETS OR INTO DITCHES, CATCH BASINS, STORM DRAINS, OR SANITARY SEWER MANHOLES, CLEANOUTS, OR DUMPS.
52. IF SEWAGE SPILLS ONTO PUBLIC OR PRIVATE PROPERTY, THE CONTRACTOR SHALL WASH DOWN, CLEAN UP, AND DISINFECT THE SPILLAGE AT ITS OWN EXPENSE TO THE SATISFACTION OF THE PROPERTY OWNER. WITHIN 12 HOURS OF THE INCIDENT, THE CONTRACTOR SHALL FILE AN SSO REPORT (SUPPLEMENTAL SPECIFICATION SPECIAL CONDITIONS) AND REPORT THE INCIDENT TO THE COLLECTION SYSTEM MANAGER (228-7428). CLEANUP OF SEWAGE SPILLS AND NOTIFICATION SHALL BE INCIDENTAL TO CONTRACT.
53. TWO WEEKS PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST CONTACT THE PNM MANAGER OF SYSTEM RELIABILITY AT 505-241-3458.
54. TWO WEEKS PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST CONTACT ABCWUA BY CALLING LUIS ORDOÑEZ-OLIVAS AT 505-289-3216.

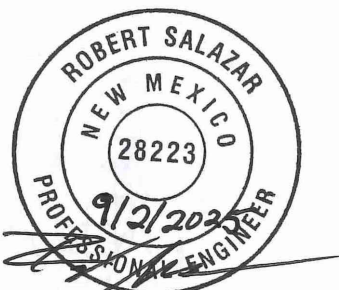
LEGEND

- | | |
|---|--|
|  | PROPERTY LINE |
|  | EASEMENT LINE |
|  | NEW MAJOR CONTOUR |
|  | NEW MINOR CONTOUR |
|  | EXISTING MAJOR CONTOUR |
|  | EXISTING MINOR CONTOUR |
|  | STAGING/LAYDOWN AREA |
|  | GRADING LIMITS |
|  | STOCKPILE LOCATION |
|  | EXCAVATION PAY LIMITS |
|  | FUTURE MAINTENANCE RAMP |
|  | EXISTING SANITARY SEWER LINE |
|  | EXISTING SANITARY SEWER MANHOLE |
|  | EXISTING STORM DRAIN LINE |
|  | EXISTING WATER LINE SUE ONE |
|  | SHOTCRETE |
|  | GROUTED BOULDER |
|  | BURIED SHOTCRETE |
|  | BURIED GROUTED BOULDER |
|  | BASE COURSE |
|  | DUMPED RIPRAP |
|  | EXISTING STRUCTURE REMOVAL |
|  | EXISTING RIPRAP TO BE REMOVED AND SALVAGED |
|  | EXISTING STRUCTURE TO REMAIN, PROTECT IN PLACE |

BENCH MARKS

[illegible]

ENGINEER'S SEAL



September 2, 2025

AS-BUILT INFORMATION

AS-BUILT INFORMATION	
CONTRACTOR	DATE
WORK STARTED BY	DATE
INSPECTORS ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

REVISIONS

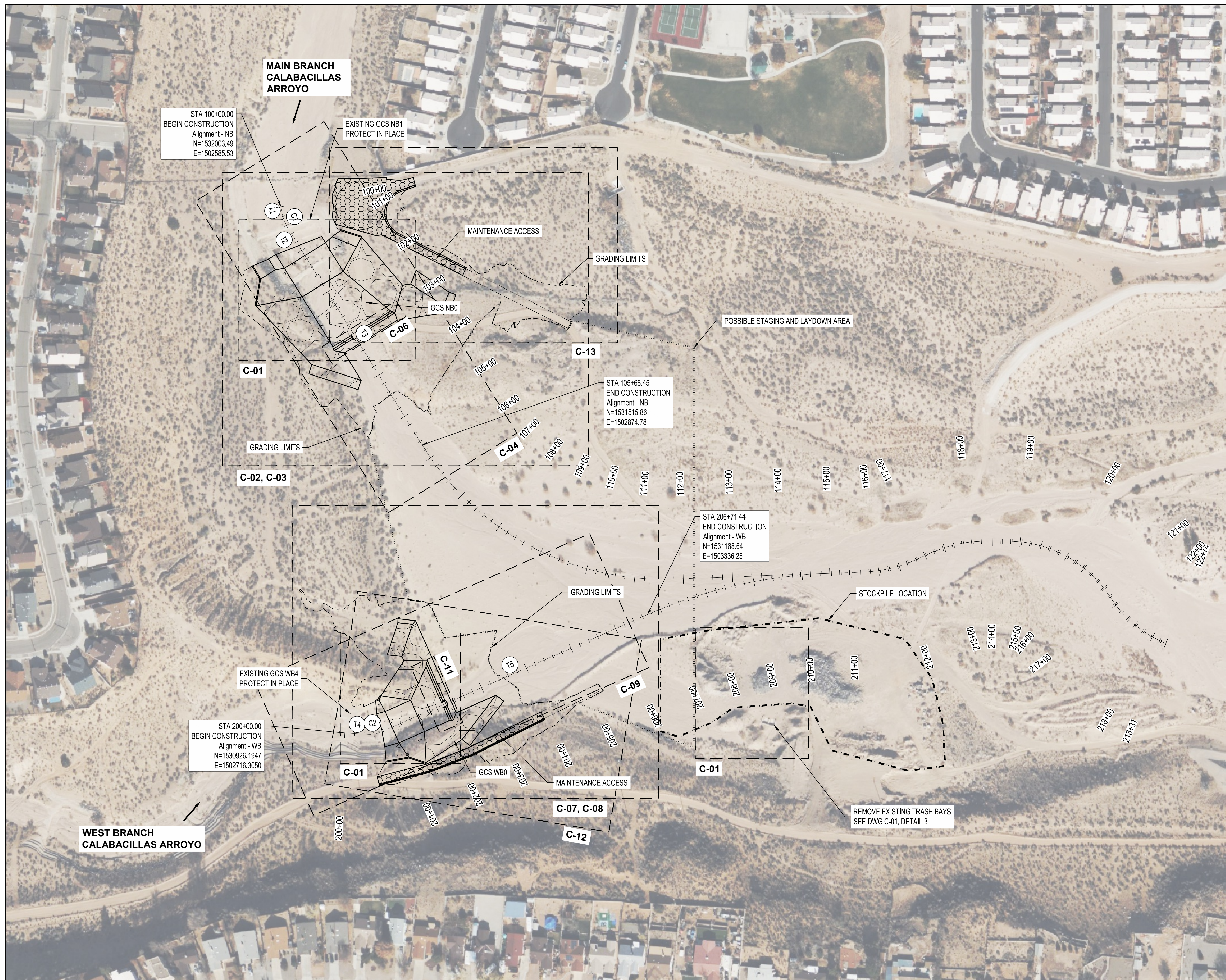
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DESIGN

DESIGN	
DESIGNED BY ELA, RGS	
CHECKED BY AC	
DRAWN BY NEC	

AMAFCA
SWINBURNE DAM GRADE CONTROL STRUCTURES
GENERAL NOTES

BHI PROJECT NO. 20240392	DWG NO. G-02	SHEET 02 OF 22
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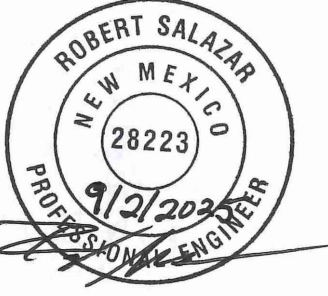
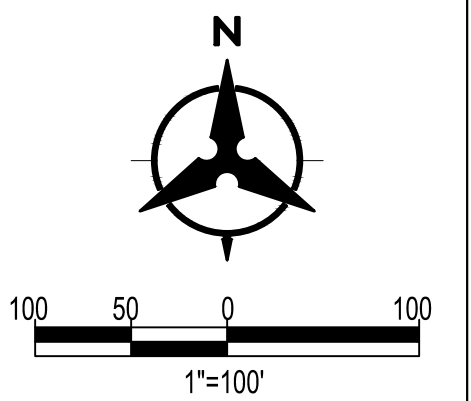


TANGENT TABLE Alignment - NB		
#	LENGTH	BEARING
T1	10.52	S10° 10' 23.45"E
T2	29.80	S31° 45' 31.19"E
T3	490.91	S31° 45' 31.19"E

CURVE TABLE Alignment - NB			
#	LENGTH	RADIUS	BEARING
C1	37.23	100.00	S21° 05' 38.28"E

TANGENT TABLE Alignment - WB		
#	LENGTH	BEARING
T4	48.94	S86° 25' 25.30"E
T5	598.64	N66° 13' 25.27"E

CURVE TABLE Alignment - WB			
#	LENGTH	RADIUS	BEARING
C2	23.87	50.00	N79° 53' 59.98"E

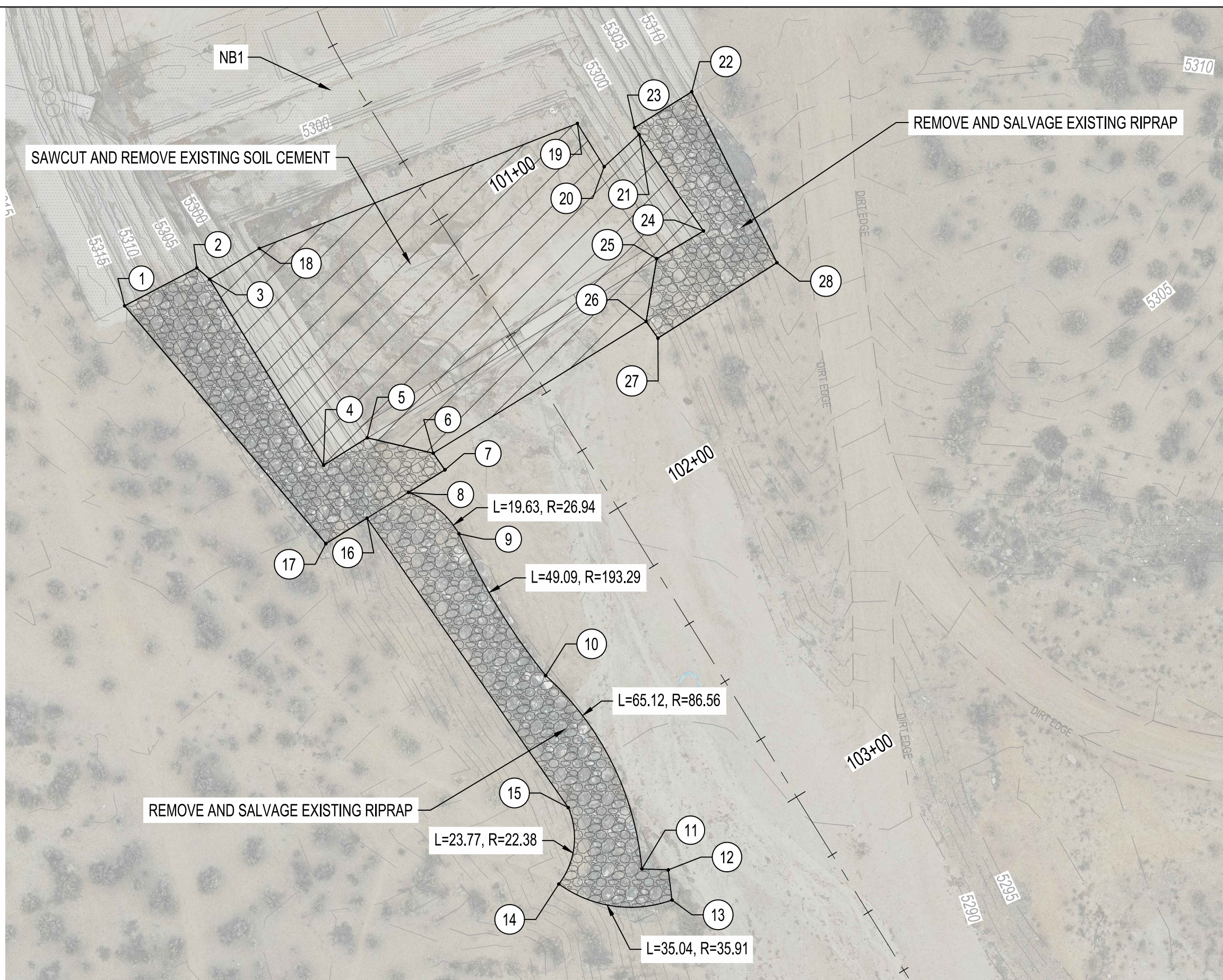


AS-BUILT INFORMATION	
CONTRACTOR	DATE
WORK STAKED BY	DATE
INSPECTORS ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

DESIGN	DESIGNED BY ELA, RGS
	CHECKED BY AC
	DRAWN BY NEC

NB1 REMOVALS		
ID	NORTHING	EASTING
1	1531888.75	1502535.63
2	1531899.90	1502556.89
3	1531896.58	1502560.64
4	1531841.78	1502594.18
5	1531849.87	1502607.03
6	1531845.34	1502626.47
7	1531840.43	1502629.94
8	1531833.76	1502619.18
9	1531821.63	1502634.07
10	1531779.85	1502659.60
11	1531722.92	1502687.93
12	1531722.64	1502695.71
13	1531713.76	1502696.82
14	1531718.48	1502663.48
15	1531740.97	1502666.26
16	1531826.22	1502607.01
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19	1531942.45	1502668.93
20	1531929.70	1502676.83

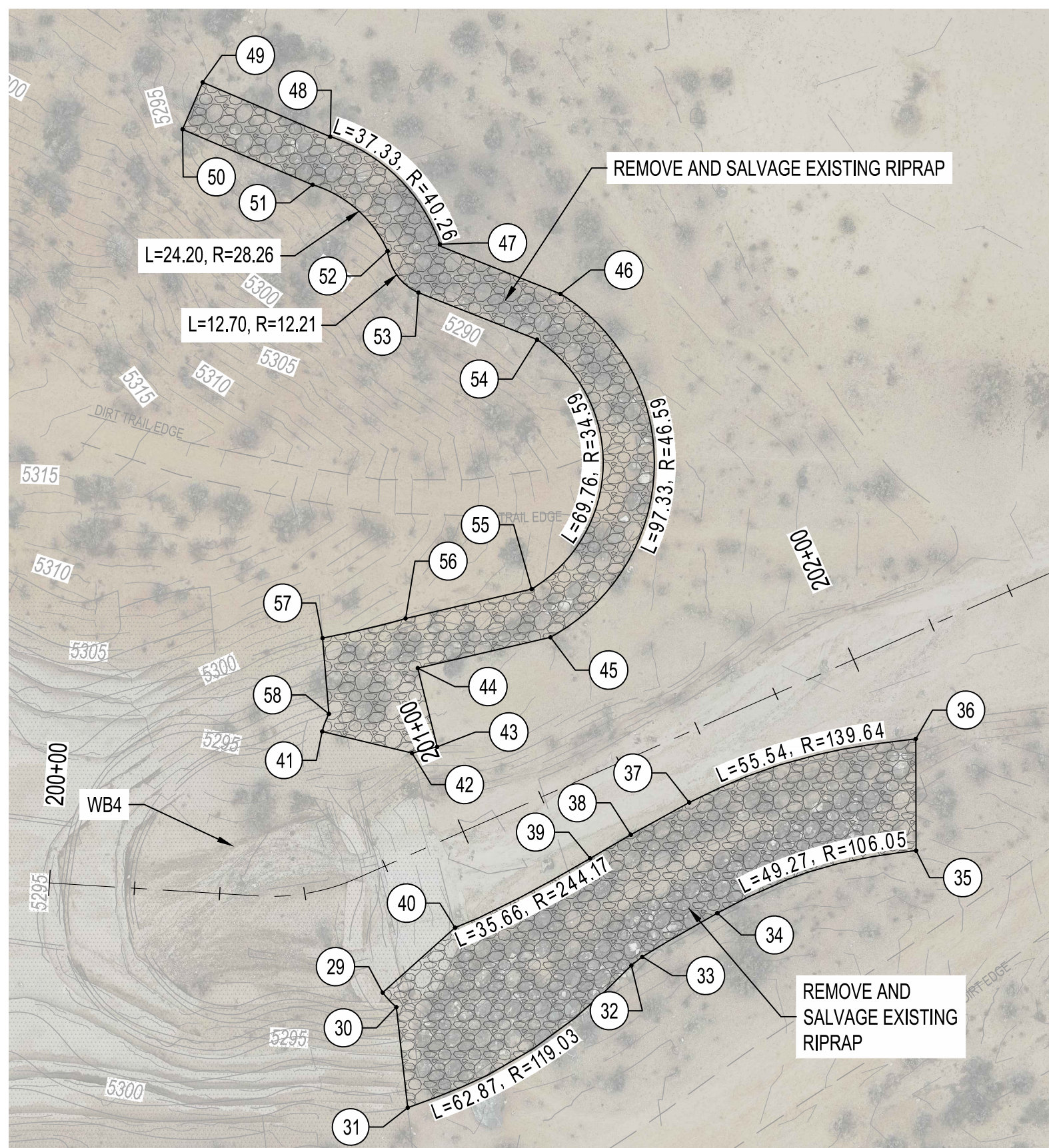
NB1 REMOVALS		
ID	NORTHING	EASTING
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22	1531951.76	1502702.61
23	1531941.22	1502685.79
24	1531910.78	1502706.10
25	1531902.60	1502692.29
26	1531884.12	1502689.19
27	1531879.21	1502692.66
28	1531901.43	1502727.71



1 EXISTING MAIN BRANCH GCS NB1 REMOVALS

WB4 REMOVALS		
ID	NORTHING	EASTING
29	1530900.48	1502794.45
30	1530897.07	1502797.63
31	1530873.49	1502800.31
32	1530906.84	1502852.75
33	1530908.87	1502855.30
34	1530919.12	1502872.91
35	1530933.78	1502919.48
36	1530959.98	1502919.43
37	1530945.05	1502866.31
38	1530937.51	1502852.61
39	1530931.96	1502843.09
40	1530915.69	1502811.40
41	1530961.71	1502780.24
42	1530956.64	1502801.32
43	1530958.11	1502807.21
44	1530976.56	1502802.67
45	1530983.81	1502833.79
46	1531064.34	1502836.12
47	1531075.95	1502807.86
48	1531101.17	1502782.16

WB4 REMOVALS		
ID	NORTHING	EASTING
49	1531113.93	1502752.23
50	1531102.89	1502747.52
51	1531089.90	1502777.99
52	1531074.38	1502795.59
53	1531064.63	1502802.82
54	1531053.61	1502830.63
55	1530985.10	1502829.37
56	1530988.21	1502799.80
57	1530983.59	1502780.34
58	1530965.83	1502781.83



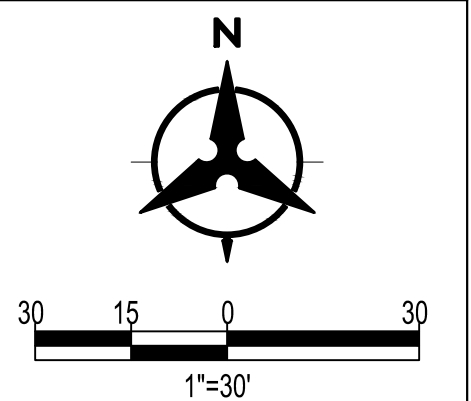
2 EXISTING WEST BRANCH GCS WB4 REMOVALS

TRASH BAY REMOVALS		
ID	NORTHING	EASTING
59	1530960.68	1503574.13
60	1530947.38	1503570.43
61	1530939.63	1503597.57
62	1530952.92	1503601.08

3 EXISTING TRASH BAY REMOVALS

- ## **GENERAL NOTES**
1. ALL AREAS ARE TO BE RESTORED TO EXISTING UNLESS OTHERWISE NOTED BY THE GRADING LIMITS.
 2. ALL DISTURBED SOILS ARE TO BE RE-SEED TO GRADING AND/OR EXCAVATION LIMITS WITH HYDROMULCH UNLESS IN BOTTOM OF CHANNEL.
 3. EXCESS MATERIAL SHALL BE STOCKPILED AT THE LOCATION SHOWN ON DWG G-04 AS DIRECTED BY THE PM OR OWNER.
 4. BACKFILL IN CHANNEL BOTTOM AND DAM POOL SHALL NOT BE COMPACTED.

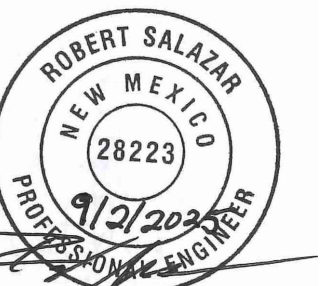
- ## LEGEND
- | | |
|--|---------------------------------|
| | PROPERTY LINE |
| | EASEMENT LINE |
| | NEW MAJOR CONTOUR |
| | NEW MINOR CONTOUR |
| | EXISTING MAJOR CONTOUR |
| | EXISTING MINOR CONTOUR |
| | STAGING/LAYDOWN AREA |
| | GRADING LIMITS |
| | STOCKPILE LOCATION |
| | EXCAVATION PAY LIMITS |
| | FUTURE MAINTENANCE RAMP |
| | EXISTING SANITARY SEWER LINE |
| | EXISTING SANITARY SEWER MANHOLE |
| | EXISTING STORM DRAIN LINE |
| | EXISTING WATER LINE SUE ONE |



BENCH MARKS
SHOWN ON SHEET 3

[illegible]

ENGINEER'S SEAL



September 2, 2025

AS-BUILT INFORMATION

CONTRACTOR	DATE
WORK STAMPED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

REVISIONS

[illegible]

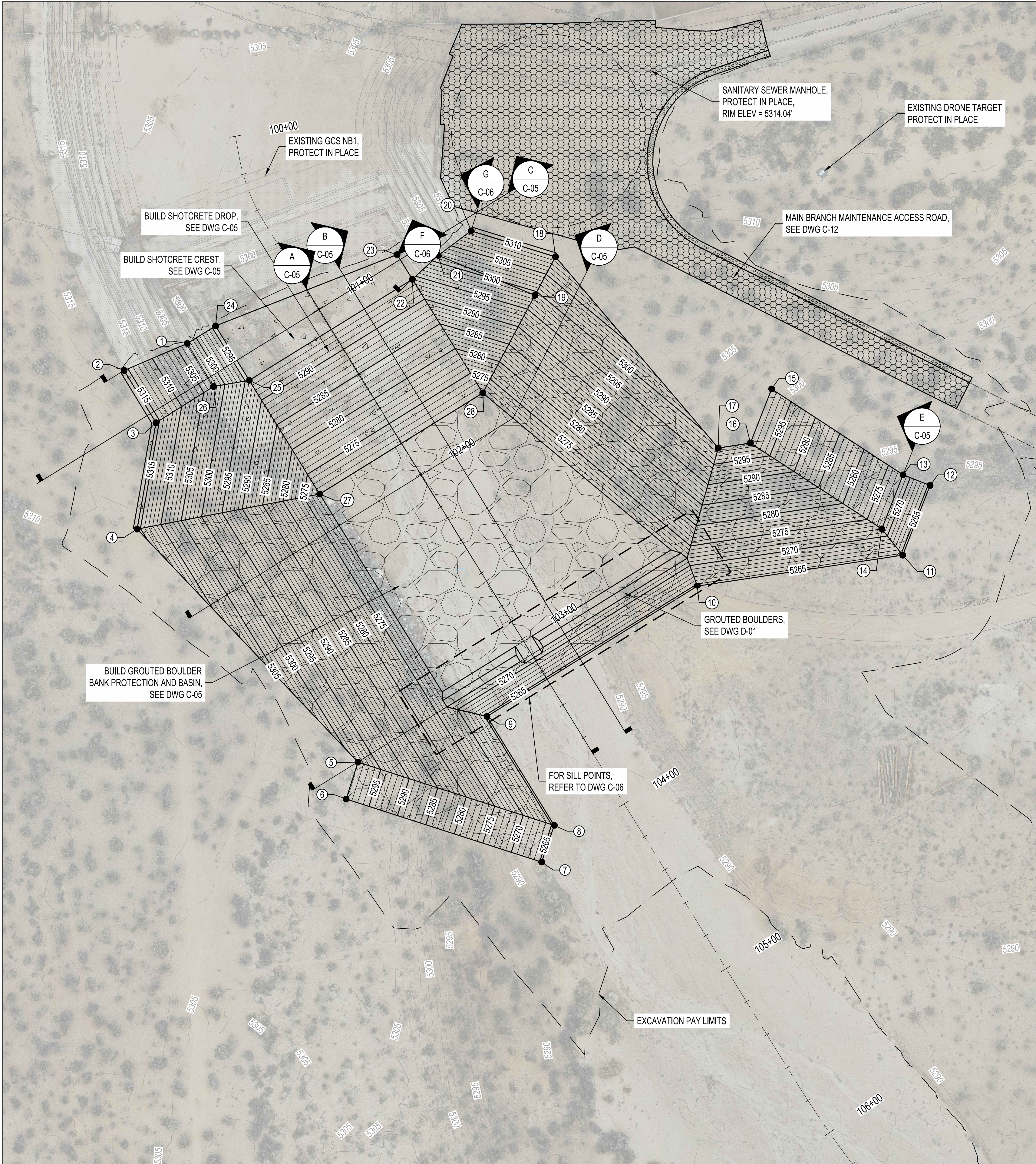
DESIGN

DESIGNED BY ELA, RGS	
CHECKED BY AC	
DRAWN BY NEC	

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**AMAFCA
SWINBURNE DAM GRADE CONTROL STRUCTURES
REMOVAL PLAN**

BHI PROJECT NO.	20240392	DWG NO.	C-01	SHEET	05	OF	22
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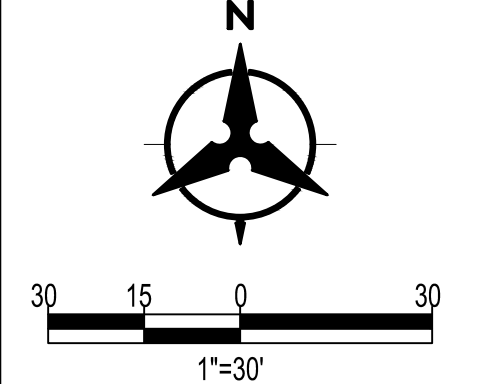
MAIN BRANCH GCS NB0

MAIN BRANCH NB0 POINT TABLE				
POINT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1531896.58 AB:	1502560.64 AB:	5302.80 AB:	TOP OF SHOTCRETE
2	1531882.64 AB:	1502528.03 AB:	5315.80 AB:	TOP OF SHOTCRETE
3	1531855.72 AB:	1502544.52 AB:	5315.80 AB:	TOP OF SHOTCRETE
4	1531800.83 AB:	1502634.80 AB:	5315.80 AB:	TOP OF SHOTCRETE/TOP OF ROCK
5	1531680.60 AB:	1502648.78 AB:	5299.00 AB:	TOP OF ROCK
6	1531661.57 AB:	1502642.65 AB:	5299.00 AB:	TOP OF ROCK
7	1531629.05 AB:	1502743.53 AB:	5264.50 AB:	TOP OF ROCK
8	1531647.98 AB:	1502750.07 AB:	5264.50 AB:	TOP OF ROCK
9	1531704.18 AB:	1502715.34 AB:	5264.50 AB:	TOP OF ROCK
10	1531771.61 AB:	1502823.83 AB:	5264.50 AB:	TOP OF ROCK
11	1531787.37 AB:	1502929.89 AB:	5264.50 AB:	TOP OF ROCK
12	1531823.35 AB:	1502944.02 AB:	5264.50 AB:	TOP OF ROCK
13	1531828.84 AB:	1502930.06 AB:	5272.00 AB:	TOP OF ROCK
14	1531800.91 AB:	1502919.10 AB:	5272.00 AB:	TOP OF ROCK
15	1531873.13 AB:	1502862.24 AB:	5299.00 AB:	TOP OF ROCK
16	1531845.21 AB:	1502851.28 AB:	5299.00 AB:	TOP OF ROCK
17	1531842.66 AB:	1502834.73 AB:	5299.00 AB:	TOP OF ROCK
18	1531941.30 AB:	1502750.68 AB:	5310.00 AB:	TOP OF ROCK
19	1531921.48 AB:	1502740.10 AB:	5299.00 AB:	TOP OF SHOTCRETE/TOP OF ROCK
20	1531954.67 AB:	1502707.17 AB:	5310.00 AB:	TOP OF SHOTCRETE
21	1531942.03 AB:	1502690.17 AB:	5301.80 AB:	TOP OF SHOTCRETE
22	1531929.70 AB:	1502676.83 AB:	5294.00 AB:	TOP OF SHOTCRETE
23	1531942.45 AB:	1502668.93 AB:	5294.00 AB:	TOP OF SHOTCRETE
24	1531905.65 AB:	1502575.27 AB:	5294.00 AB:	TOP OF SHOTCRETE
25	1531877.57 AB:	1502592.66 AB:	5294.00 AB:	TOP OF SHOTCRETE
26	1531874.38 AB:	1502574.22 AB:	5302.80 AB:	TOP OF SHOTCRETE
27	1531818.91 AB:	1502628.99 AB:	5271.00 AB:	TOP OF SHOTCRETE/TOP OF ROCK
28	1531871.04 AB:	1502713.16 AB:	5271.00 AB:	TOP OF SHOTCRETE/TOP OF ROCK

- GENERAL NOTES**
- ALL AREAS ARE TO BE RESTORED TO EXISTING UNLESS OTHERWISE NOTED BY THE GRADING LIMITS.
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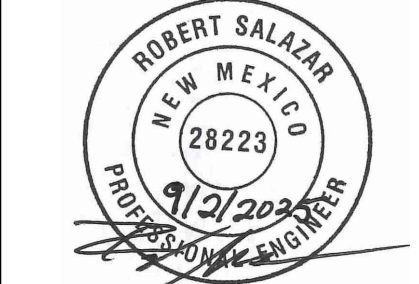
LEGEND

- PROPERTY LINE
- EASEMENT LINE
- NEW MAJOR CONTOUR
- NEW MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- STAGING/LAYDOWN AREA
- GRADING LIMITS
- STOCKPILE LOCATION
- EXCAVATION PAY LIMITS
- FUTURE MAINTENANCE RAMP
- EXISTING SANITARY SEWER LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING STORM DRAIN LINE
- EXISTING WATER LINE SUE ONE
- SHOTCRETE
- GROUTED BOULDER
- BURIED SHOTCRETE
- BURIED GROUTED BOULDER
- BASE COURSE
- DUMPED RIPRAP
- EXISTING STRUCTURE REMOVAL
- EXISTING RIPRAP TO BE REMOVED AND SALVAGED
- EXISTING STRUCTURE TO REMAIN, PROTECT IN PLACE



BENCH MARKS SHOWN ON SHEET 3

ENGINEER'S SEAL



September 2, 2025

AS-BUILT INFORMATION

REVISIONS

DESIGN

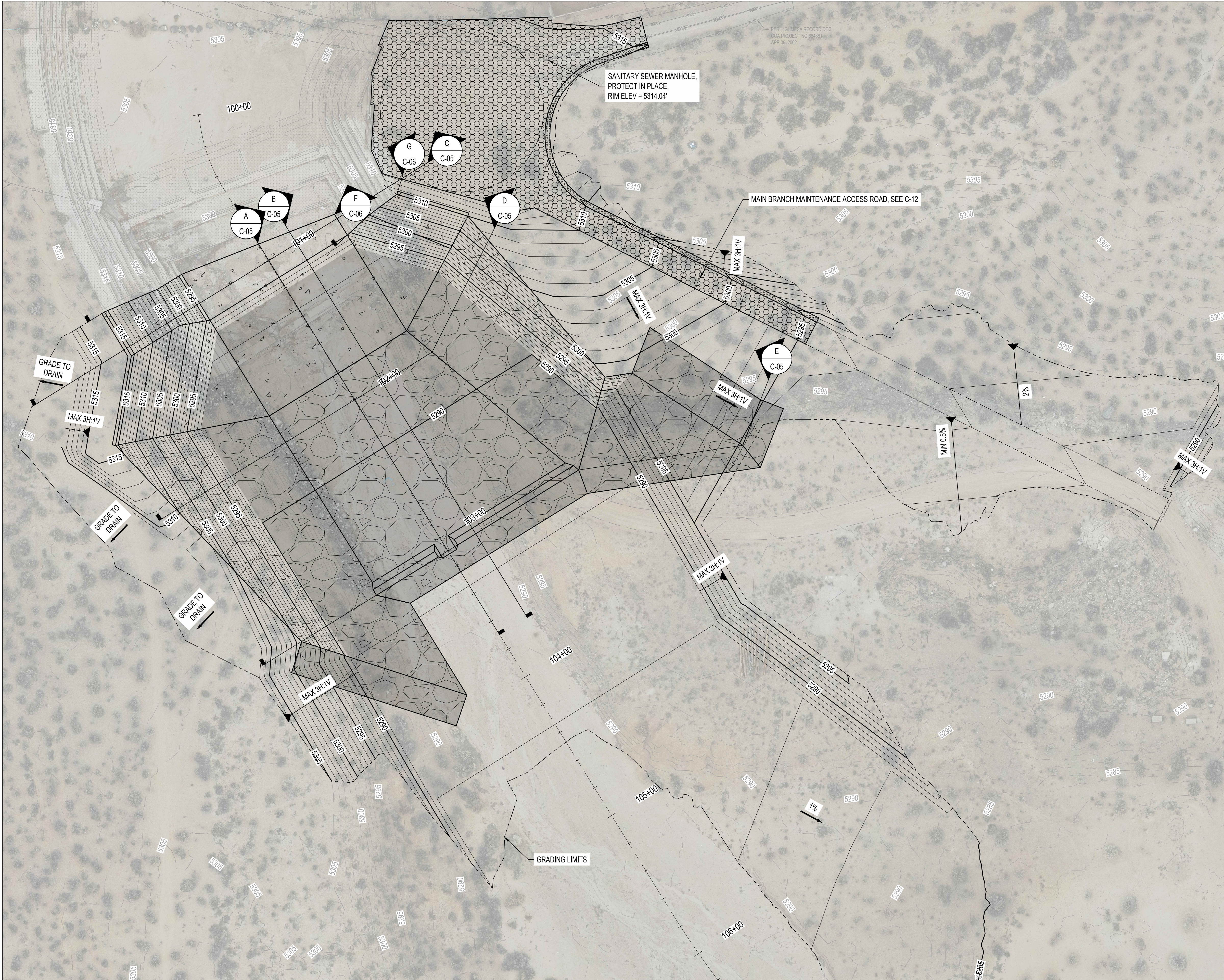
DESIGNED BY ELA RGS

CHECKED BY AC

DRAWN BY NEC

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AMAFCA
SWINBURNE DAM GRADE CONTROL STRUCTURES
MAIN BRANCH GCS NB0
TOP OF STRUCTURE GRADING AND ELEVATIONS

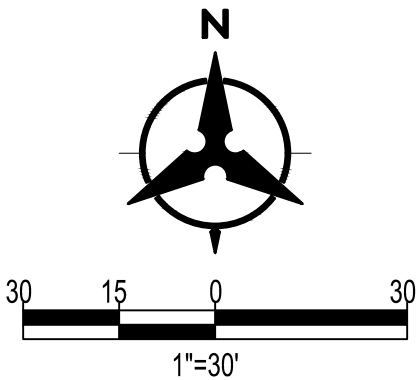


GENERAL NOTES

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LEGEND

- PROPERTY LINE
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- NEW MAJOR CONTOUR
- NEW MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- STAGING/LAYDOWN AREA
- GRADING LIMITS
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- EXCAVATION PAY LIMITS
- FUTURE MAINTENANCE RAMP
- EXISTING SANITARY SEWER LINE
- EXISTING SANITARY SEWER MANHOLE
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- EXISTING STRUCTURE TO REMAIN, PROTECT IN PLACE



BENCH MARKS

BM NO.	DESCRIPTION	ELEVATION

ENGINEER'S SEAL

ROBERT SALAZAR
NEW MEXICO
28223
Professional Engineer
September 2, 2025

AS-BUILT INFORMATION

CONTRACTOR	DATE	WORK STAGED BY	DATE	INSPECTORS ACCEPTANCE BY	DATE	FIELD VERIFICATION BY	DATE	DRAWINGS CORRECTED BY	DATE
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REVISIONS

NO.	DATE	BY

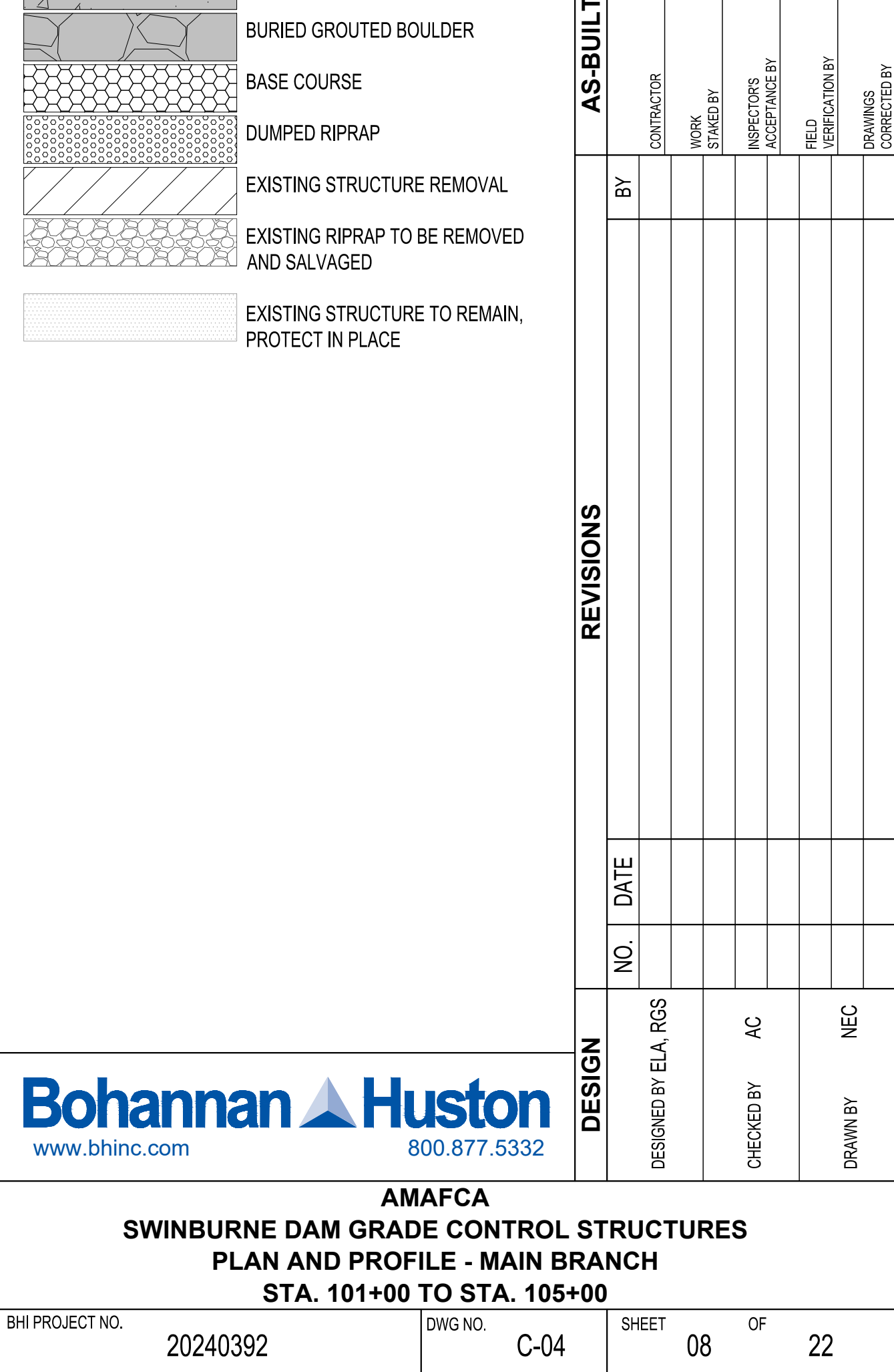
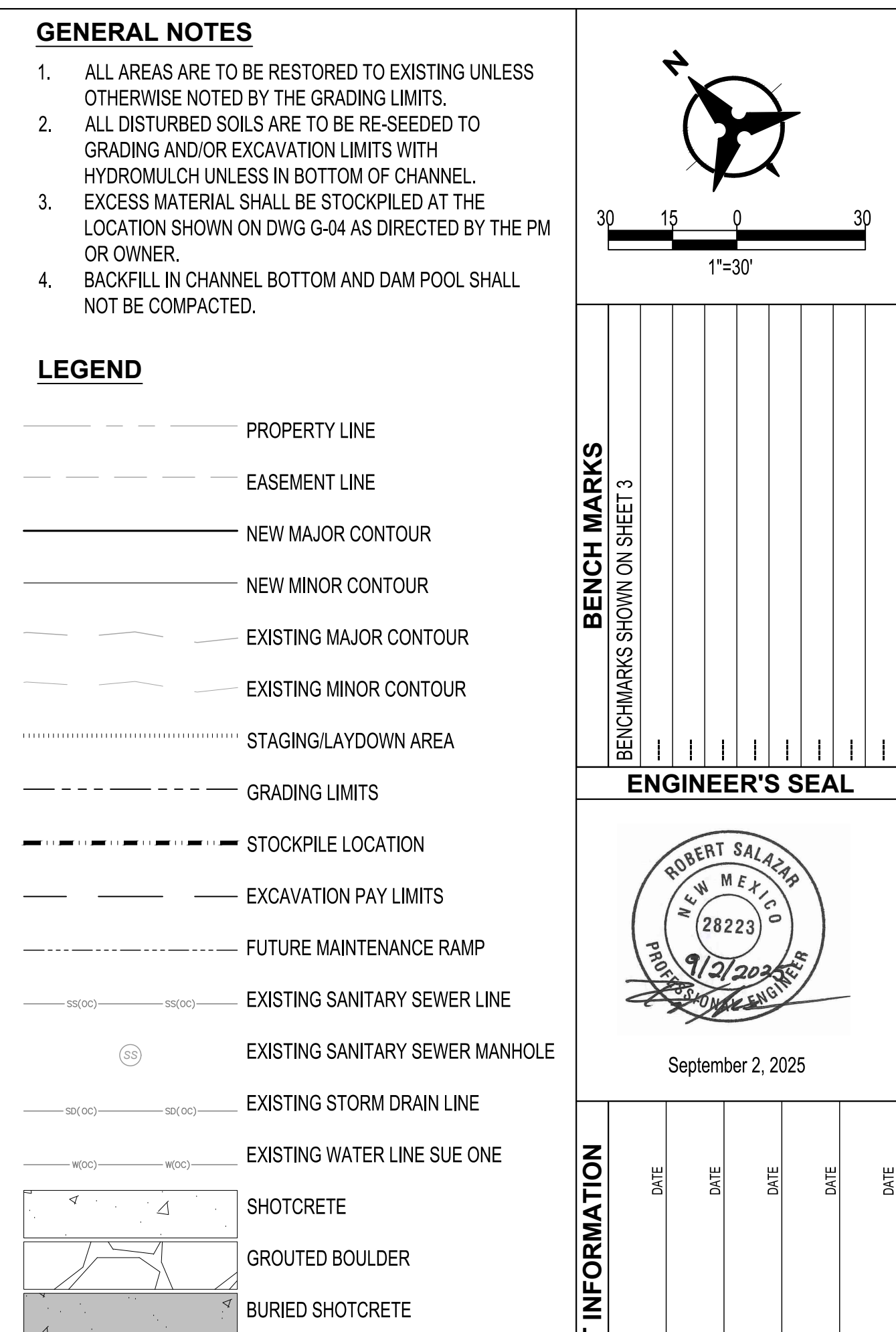
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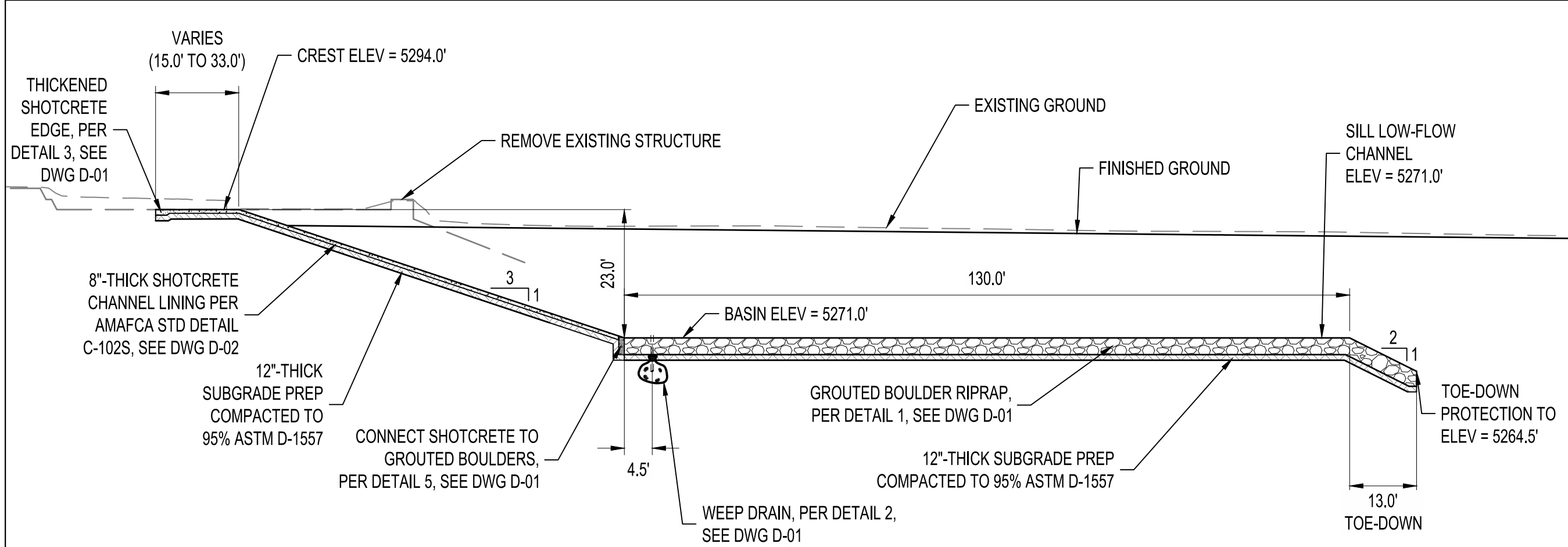
DESIGNED BY ELA, RGS	CHECKED BY AC	DRAWN BY NEC
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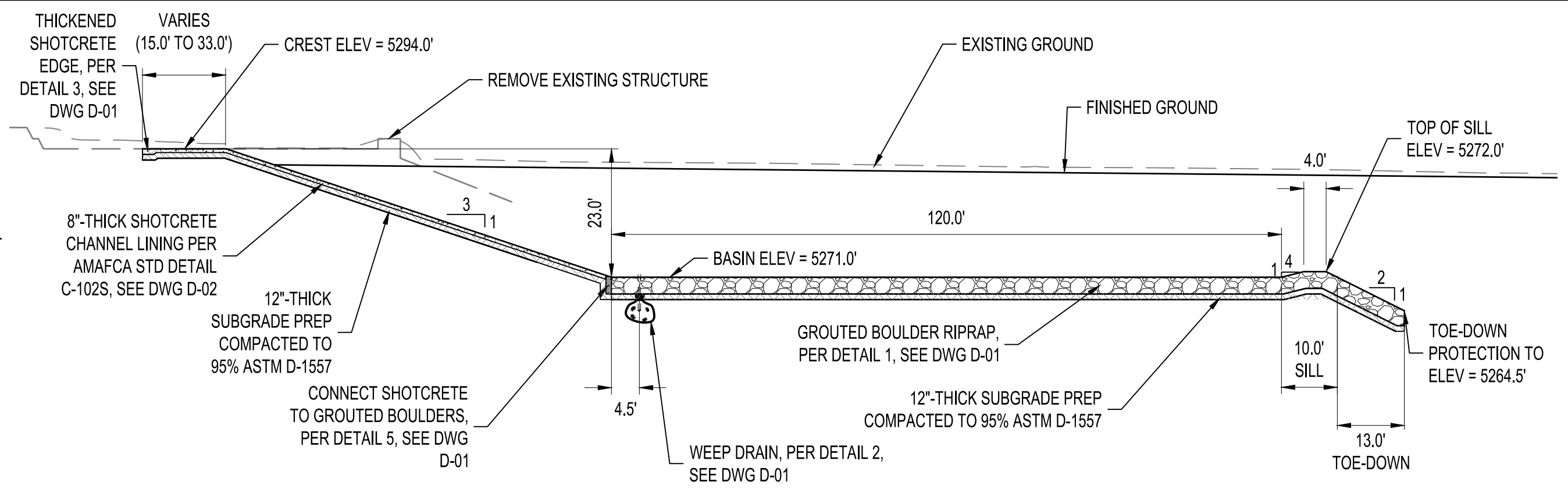
AMAFCA
SWINBURNE DAM GRADE CONTROL STRUCTURES
MAIN BRANCH GCS NB0
LAYOUT AND FINAL GRADING

BHI PROJECT NO.	20240392	DWG NO.	C-03	SHEET	07	OF	22
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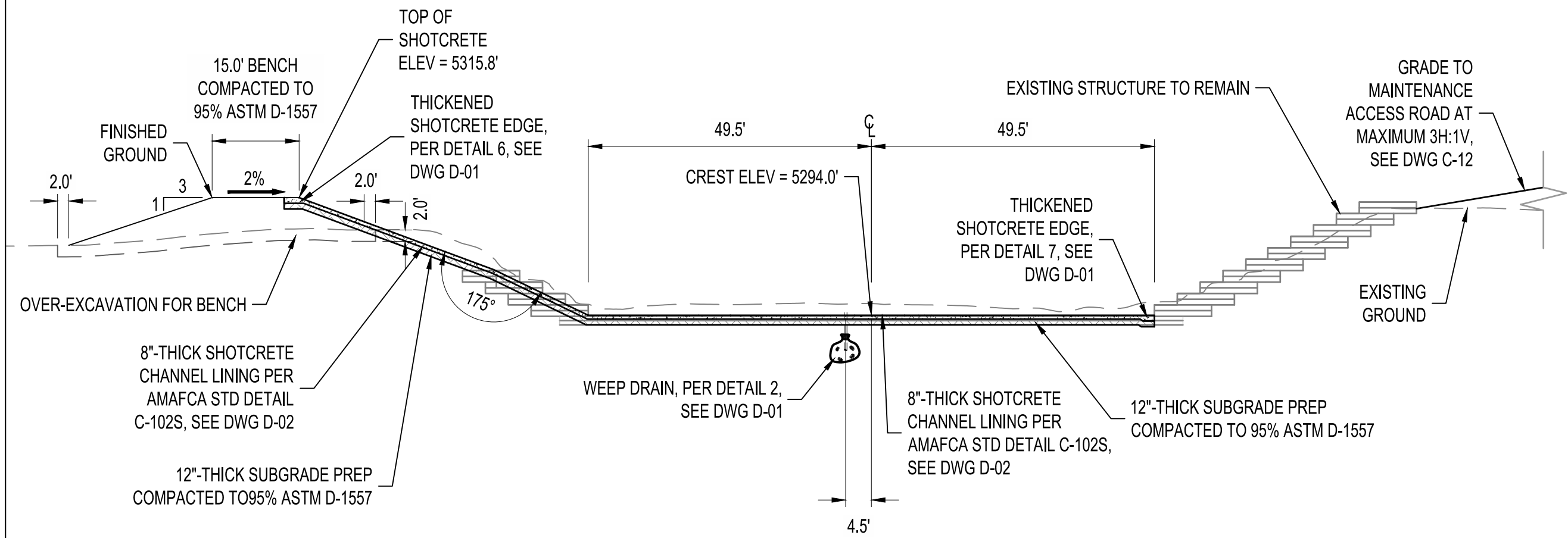




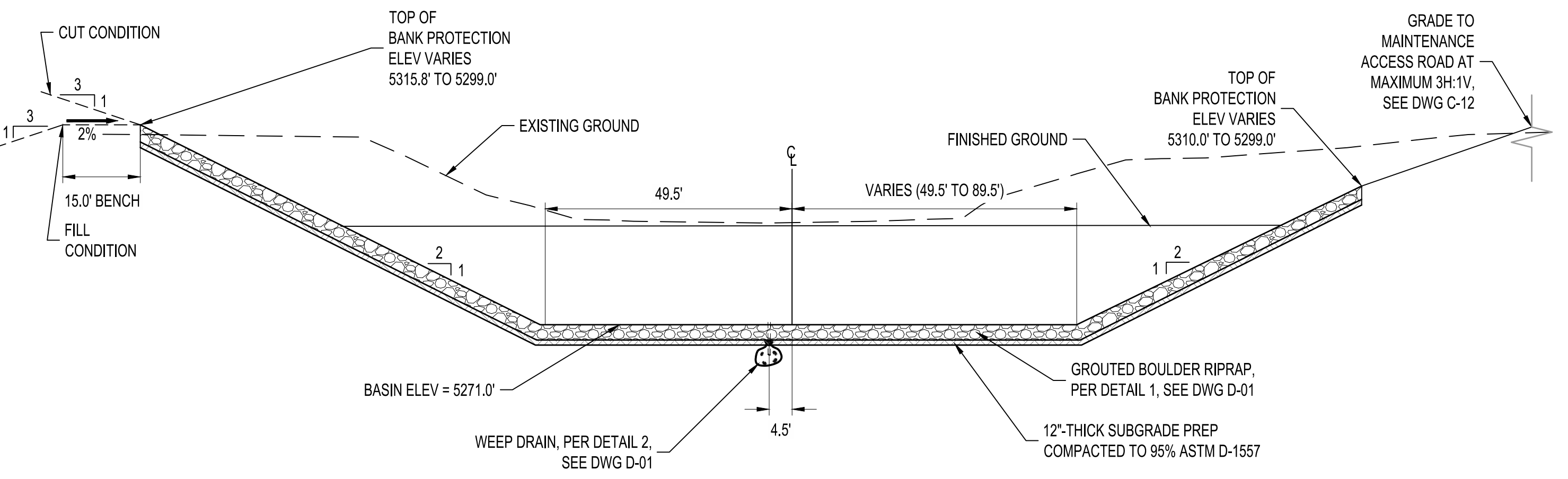
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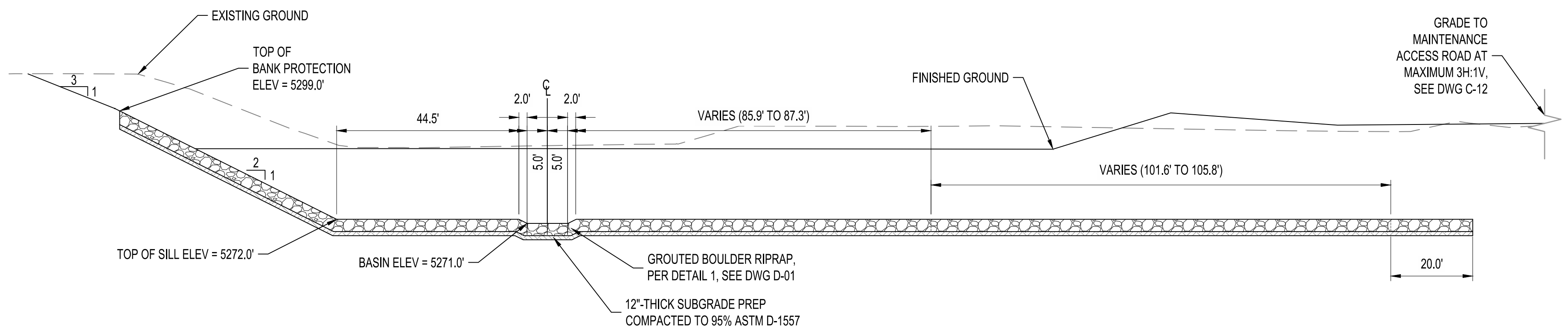
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C
SECTION C-C
SCALE: NOT TO SCALE



D
SECTION D-D
SCALE: NOT TO SCALE



E
SECTION E-E
SCALE: NOT TO SCALE

BENCH MARKS

BENCHMARKS SHOWN ON SHEET 3

ENGINEER'S SEAL



September 2, 2025

AS-BUILT INFORMATION

CONTRACTOR	DATE	WORK	DATE	INSPECTORS	DATE	FIELD	DATE	DRAWINGS	DATE
		STARTED BY		ACCEPTANCE BY		VERIFICATION BY		CORRECTED BY	

REVISIONS

NO.	DATE	BY

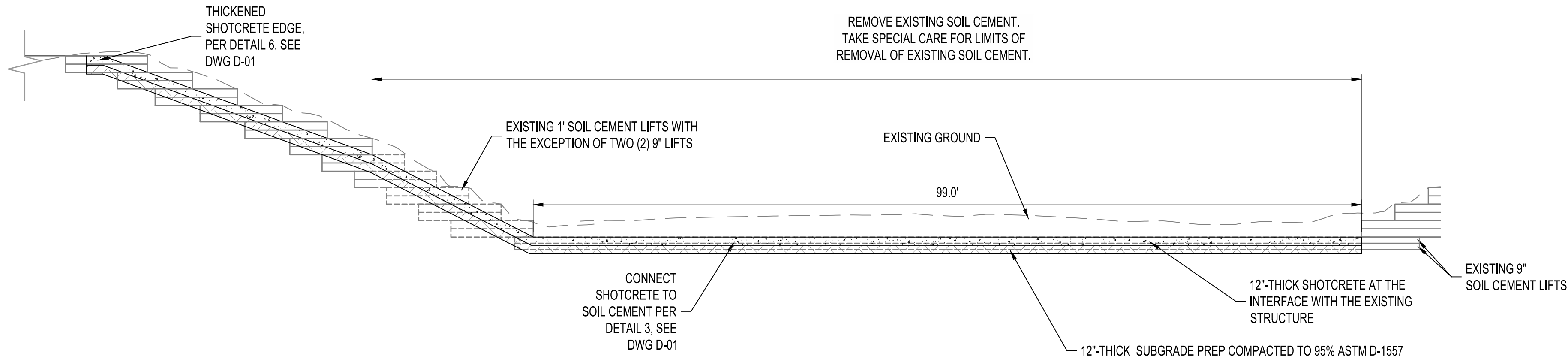
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DESIGNED BY ELA, RGS	CHECKED BY AC	DRAWN BY NEC
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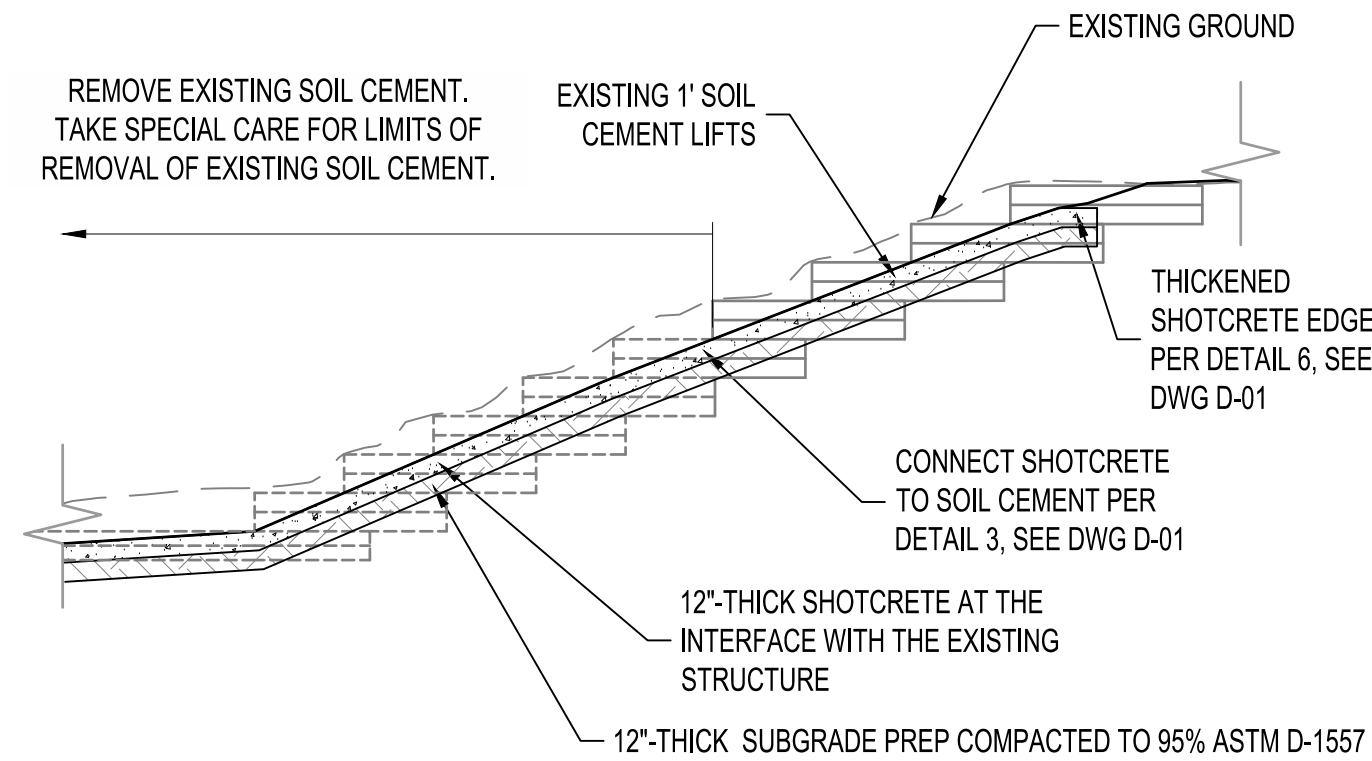
AMAFCA
SWINBURNE DAM GRADE CONTROL STRUCTURES
MAIN BRANCH GCS NBO
STRUCTURE SECTIONS

BHI PROJECT NO.	20240392	DWG NO.	C-05	SHEET	09	OF	22
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C-02
C-03

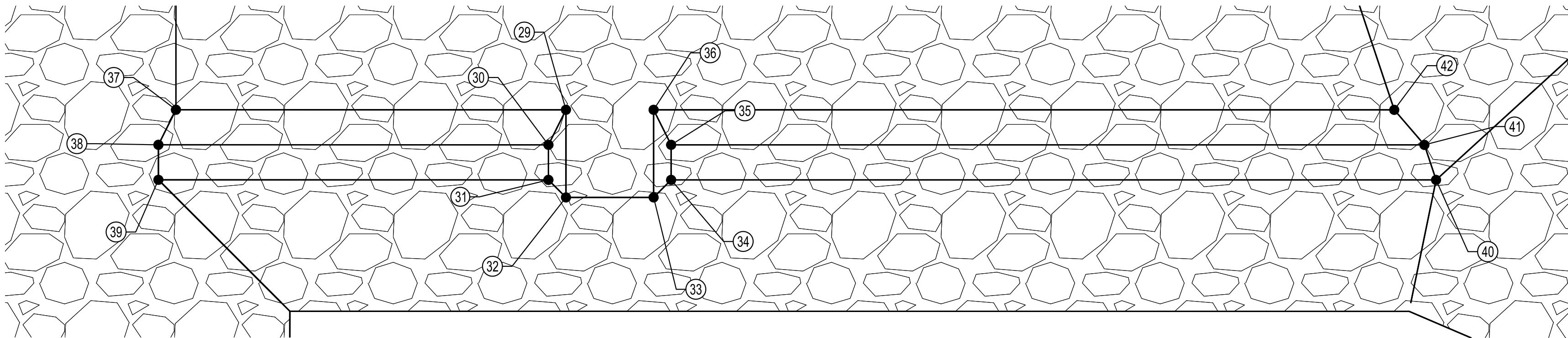
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G
C-02
C-03

SECTION G-G
SCALE: NOT TO SCALE

NB0 SILL POINT TABLE				
POINT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
29	1531740.32 AB:	1502730.01 AB:	5271.00 AB:	TOP OF ROCK
30	1531735.87 AB:	1502730.42 AB:	5272.00 AB:	TOP OF ROCK
31	1531732.47 AB:	1502732.52 AB:	5272.00 AB:	TOP OF ROCK
32	1531731.82 AB:	1502735.28 AB:	5271.00 AB:	TOP OF ROCK
33	1531737.09 AB:	1502743.78 AB:	5271.00 AB:	TOP OF ROCK
34	1531739.84 AB:	1502744.42 AB:	5272.00 AB:	TOP OF ROCK
35	1531743.24 AB:	1502742.32 AB:	5272.00 AB:	TOP OF ROCK
36	1531745.59 AB:	1502738.51 AB:	5271.00 AB:	TOP OF ROCK
37	1531716.89 AB:	1502692.18 AB:	5271.00 AB:	TOP OF ROCK
38	1531712.44 AB:	1502692.58 AB:	5272.00 AB:	TOP OF ROCK
39	1531709.04 AB:	1502694.69 AB:	5272.00 AB:	TOP OF ROCK
40	1531785.79 AB:	1502818.62 AB:	5272.00 AB:	TOP OF ROCK
41	1531788.49 AB:	1502815.38 AB:	5272.00 AB:	TOP OF ROCK
42	1531790.08 AB:	1502810.35 AB:	5271.00 AB:	TOP OF ROCK



**NB0 SILL POINTS
MAIN BRANCH**



**AMAFCA
SWINBURNE DAM GRADE CONTROL STRUCTURES
MAIN BRANCH GCS NB0
STRUCTURE SECTIONS**

BHI PROJECT NO.	20240392	DWG NO.	C-06	SHEET	10	OF	22
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BENCH MARKS

BENCHMARKS SHOWN ON SHEET 3									

ENGINEER'S SEAL



September 2, 2025

AS-BUILT INFORMATION

CONTRACTOR	DATE	WORK STARTED BY	DATE	INSPECTORS ACCEPTANCE BY	DATE	FIELD VERIFICATION BY	DATE	DRAWINGS CORRECTED BY	DATE

REVISIONS

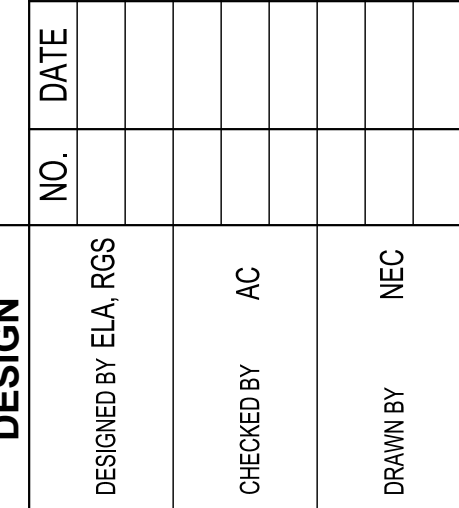
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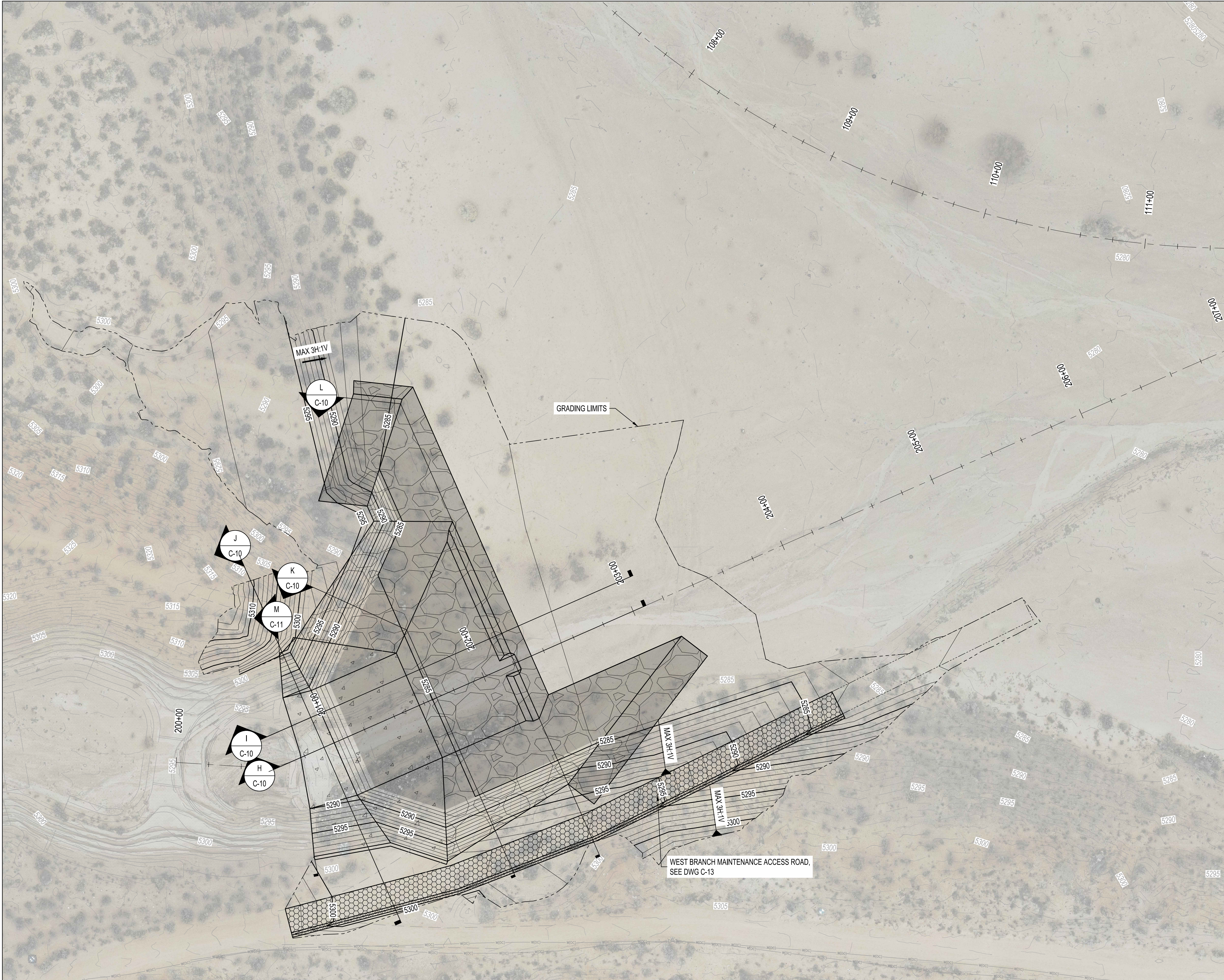
DESIGNED BY ELA, RGS	CHECKED BY AC	DRAWN BY NEC



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SWINBURNE DAM GRADE CONTROL STRUCTURES
WEST BRANCH GCS WB0
TOP OF STRUCTURE GRADING AND ELEVATIONS

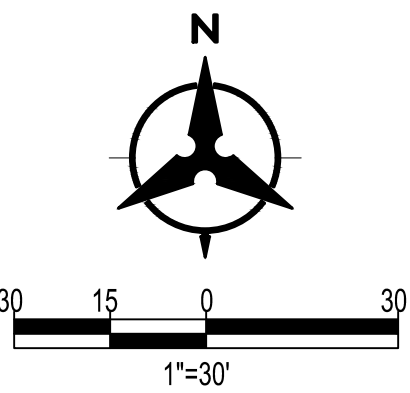


GENERAL NOTES

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LEGEND

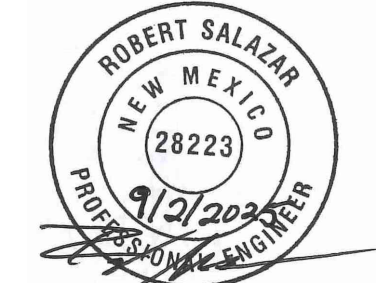
- PROPERTY LINE
- EASEMENT LINE
- NEW MAJOR CONTOUR
- NEW MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- STAGING/LAYDOWN AREA
- GRADING LIMITS
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- EXCAVATION PAY LIMITS
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- EXISTING SANITARY SEWER MANHOLE
- EXISTING STORM DRAIN LINE
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- EXISTING STRUCTURE REMOVAL
- EXISTING RIPRAP TO BE REMOVED AND SALVAGED
- EXISTING STRUCTURE TO REMAIN, PROTECT IN PLACE



BENCH MARKS

BENCHMARKS SHOWN ON SHEET 3

ENGINEER'S SEAL



September 2, 2025

AS-BUILT INFORMATION

CONTRACTOR	DATE	DATE	DATE	DATE	DATE

REVISIONS

BY	DATE	NO.	DATE

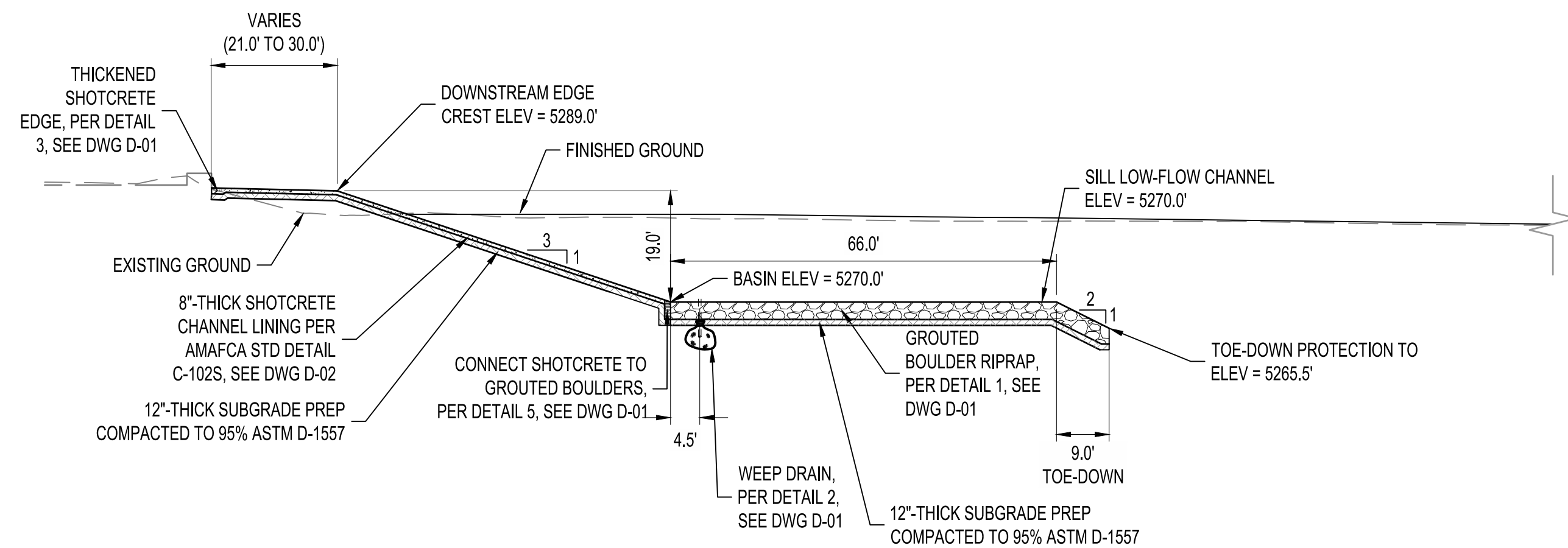
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DESIGNED BY ELA, RGS	CHECKED BY AC	DRAWN BY NEC
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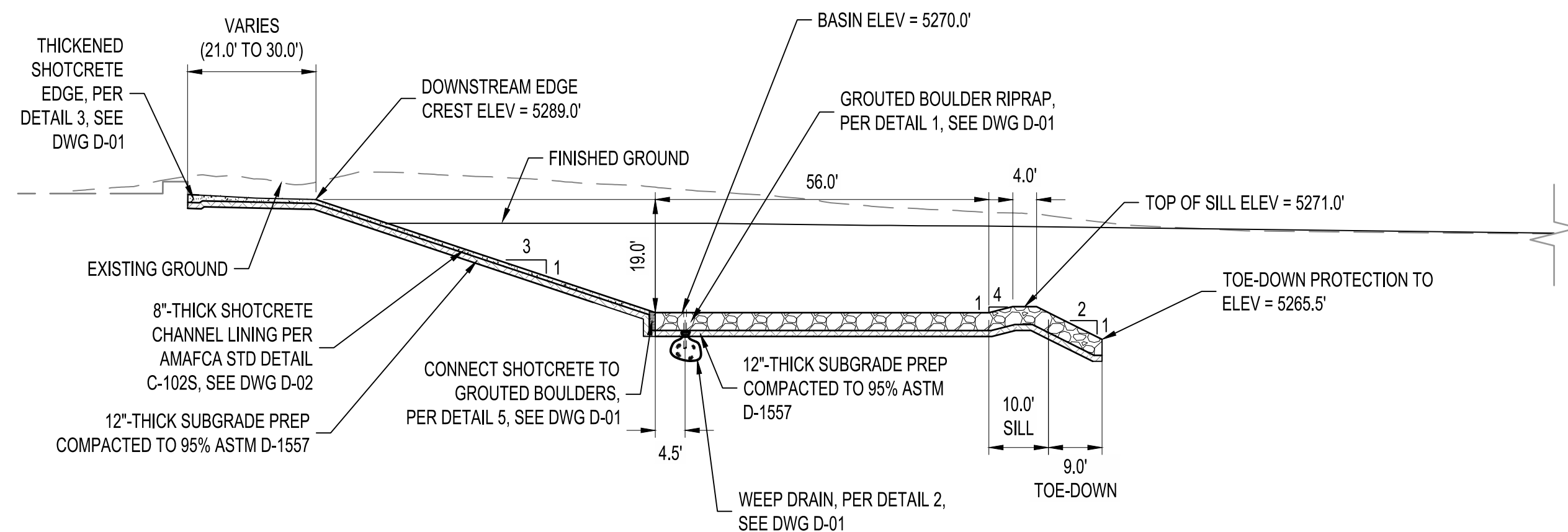


AMAFCA
SWINBURNE DAM GRADE CONTROL STRUCTURES
WEST BRANCH GCS WB0
LAYOUT AND FINAL GRADING

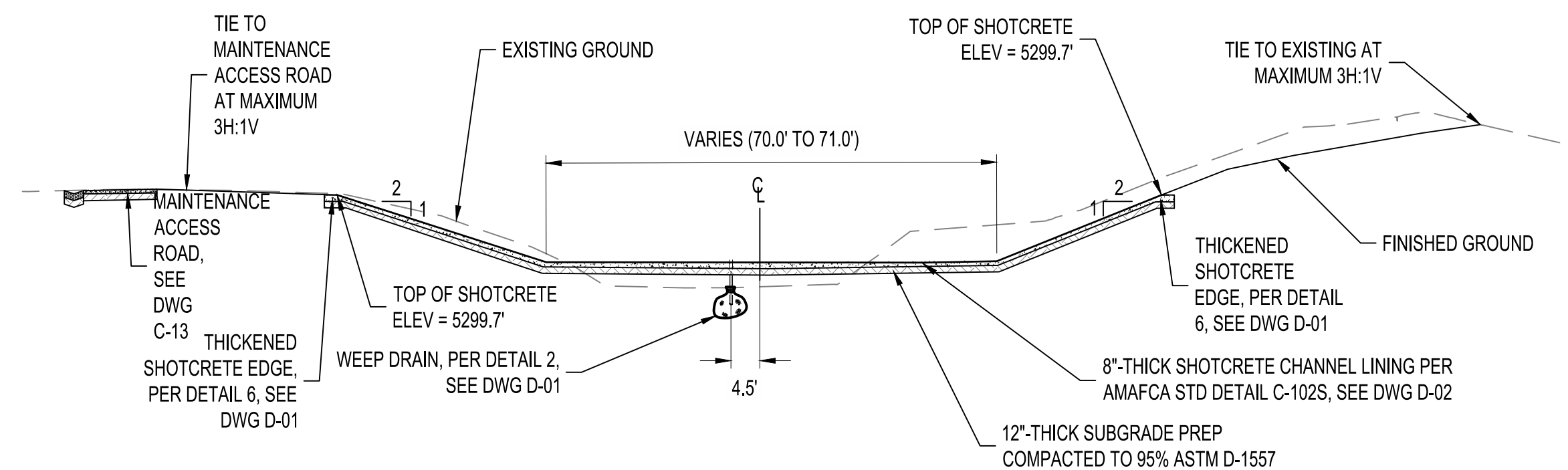
BHI PROJECT NO.	20240392	DWG NO.	C-08	SHEET	12	OF	22
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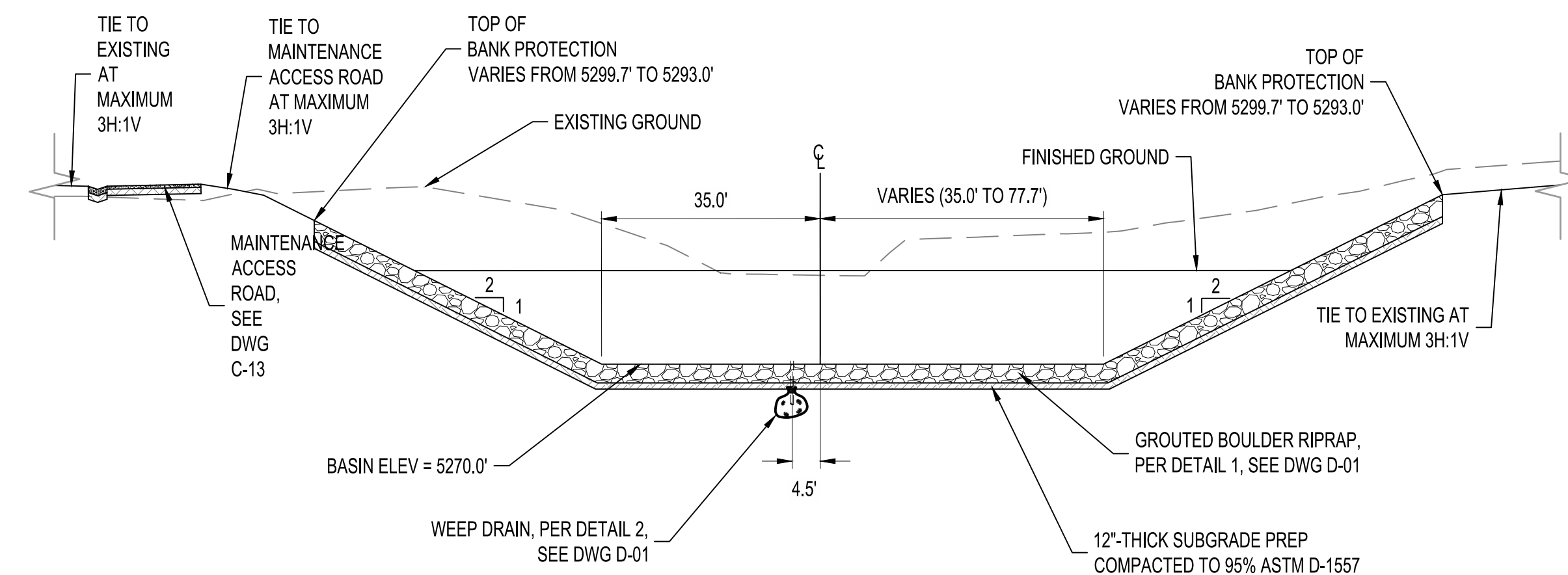
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C-07
C-08



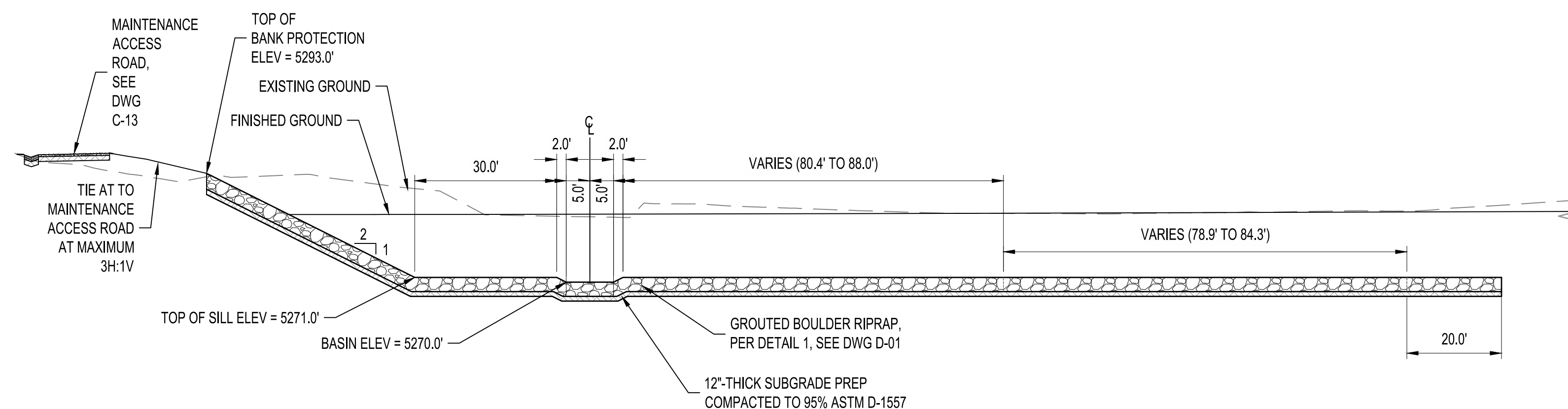
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SECTION J-J
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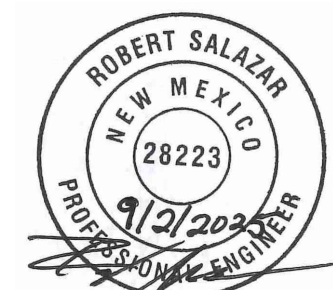
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SECTION L-L
SCALE: NOT TO SCALE

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ENGINEER'S SEAL



September 2, 2025

AS-BUILT INFORMATION	
CONTRACTOR	DATE
WORK STARTED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
REVISIONS	

DESIGN		REVISIONS	
	NO.	DATE	BY
DESIGNED BY ELA RGS			
CHECKED BY AC			
DRAWN BY NEC			

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AMAFCA
SWINBURNE DAM GRADE CONTROL STRUCTURES
WEST BRANCH GCS WB0
STRUCTURE SECTIONS

BHI PROJECT NO.	DWG NO.	SHEET	OF
20240392	C-10	14	22

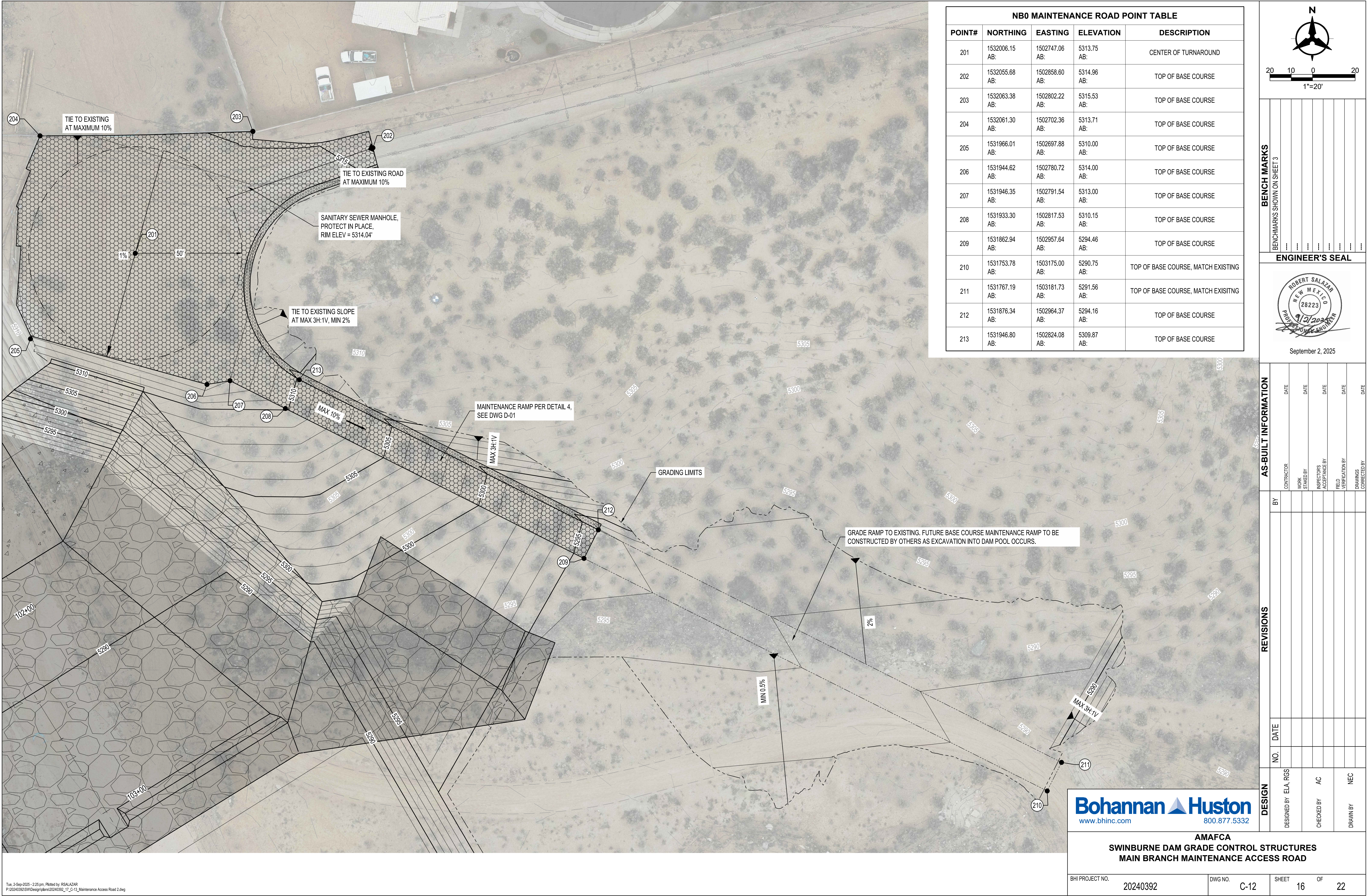


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AMAFCA
SWINBURNE DAM GRADE CONTROL STRUCTURES
WEST BRANCH GCS WB0
STRUCTURE SECTIONS

BHI PROJECT NO.	DWG NO.	SHEET	OF
20240392	C-11	15	22

Tue, 2-Sep-2025 - 2:25:pm, Plotted by: RSALAZAR
P:\20240392\SWDesign\plans\20240392_15_C-11_GCS WB0 Structure Sections (2).dwg



NB0 MAINTENANCE ROAD POINT TABLE				
POINT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
201	1532006.15 AB:	1502747.06 AB:	5313.75 AB:	CENTER OF TURNAROUND
202	1532055.68 AB:	1502858.60 AB:	5314.96 AB:	TOP OF BASE COURSE
203	1532063.38 AB:	1502802.22 AB:	5315.53 AB:	TOP OF BASE COURSE
204	1532061.30 AB:	1502702.36 AB:	5313.71 AB:	TOP OF BASE COURSE
205	1531966.01 AB:	1502697.88 AB:	5310.00 AB:	TOP OF BASE COURSE
206	1531944.62 AB:	1502780.72 AB:	5314.00 AB:	TOP OF BASE COURSE
207	1531946.35 AB:	1502791.54 AB:	5313.00 AB:	TOP OF BASE COURSE
208	1531933.30 AB:	1502817.53 AB:	5310.15 AB:	TOP OF BASE COURSE
209	1531862.94 AB:	1502957.64 AB:	5294.46 AB:	TOP OF BASE COURSE
210	1531753.78 AB:	1503175.00 AB:	5290.75 AB:	TOP OF BASE COURSE, MATCH EXISTING
211	1531767.19 AB:	1503181.73 AB:	5291.56 AB:	TOP OF BASE COURSE, MATCH EXISTING
212	1531876.34 AB:	1502964.37 AB:	5294.16 AB:	TOP OF BASE COURSE
213	1531946.80 AB:	1502824.08 AB:	5309.87 AB:	TOP OF BASE COURSE

BENCH MARKS

BENCHMARKS SHOWN ON SHEET 3									

ENGINEER'S SEAL

September 2, 2025

AS-BUILT INFORMATION

CONTRACTOR	DATE	WORK	DATE	INSPECTORS	DATE	FIELD	DATE	DRAWINGS	DATE

REVISIONS

BY	DATE	NO.							

DESIGN

DESIGNED BY	ELA	RG5							
CHECKED BY	AC								
DRAWN BY	NEC								

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AMAFCA

SWINBURNE DAM GRADE CONTROL STRUCTURES

MAIN BRANCH MAINTENANCE ACCESS ROAD

BHI PROJECT NO.

20240392

DWG NO.

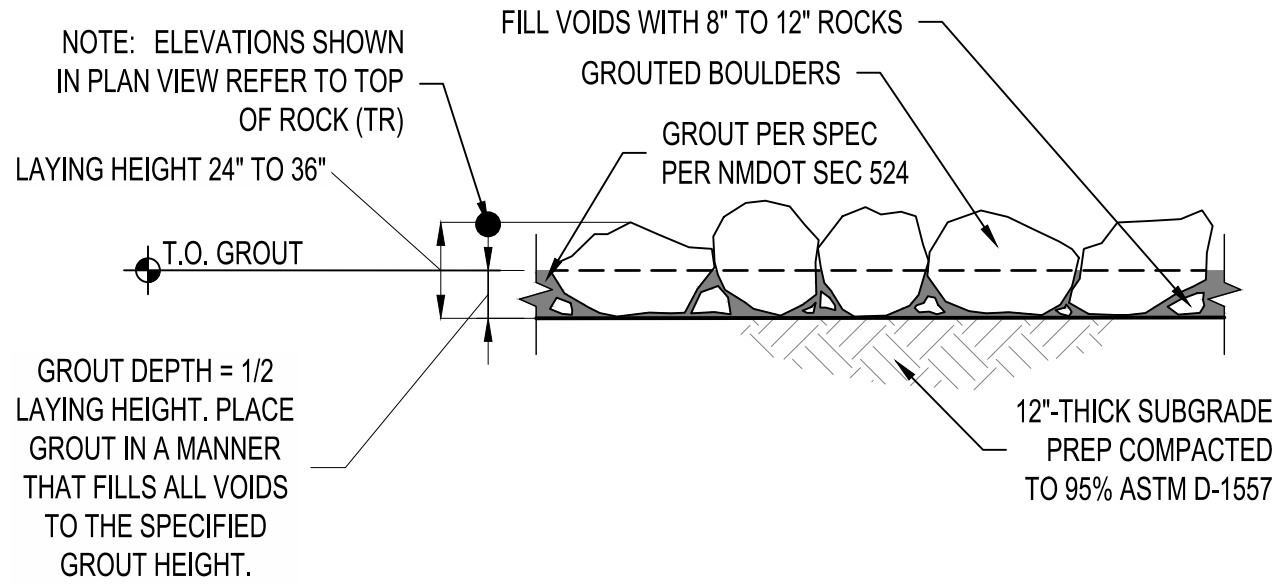
C-12

SHEET

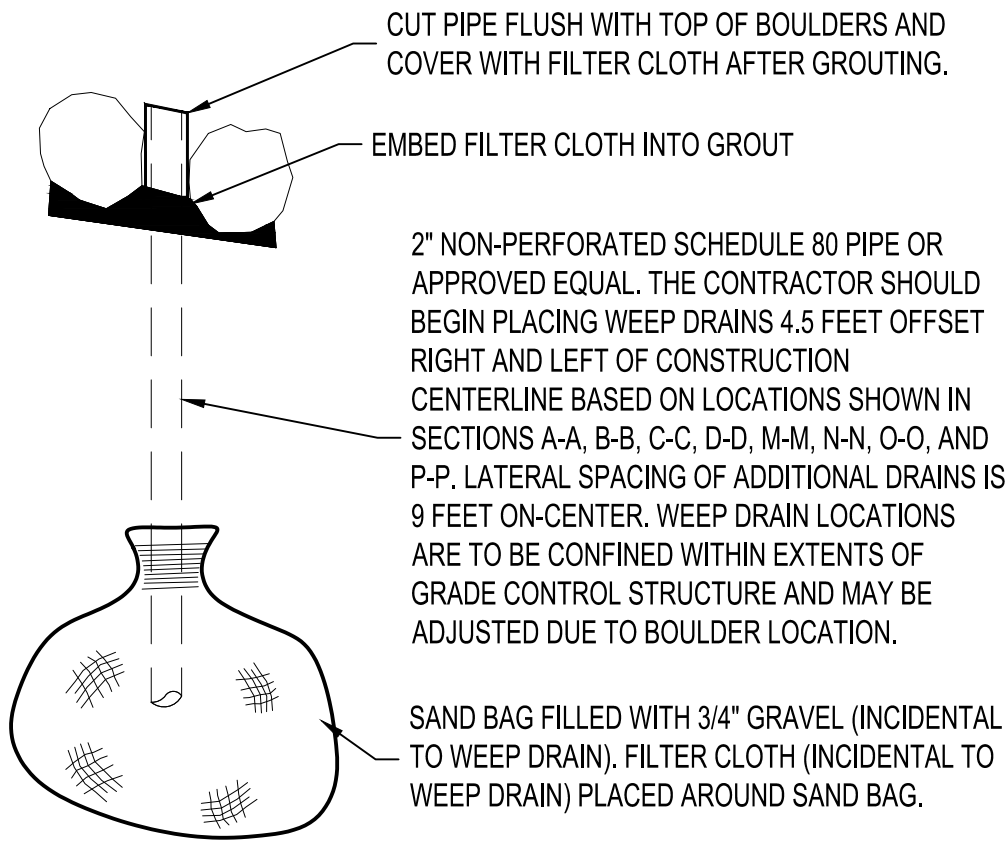
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OF

22

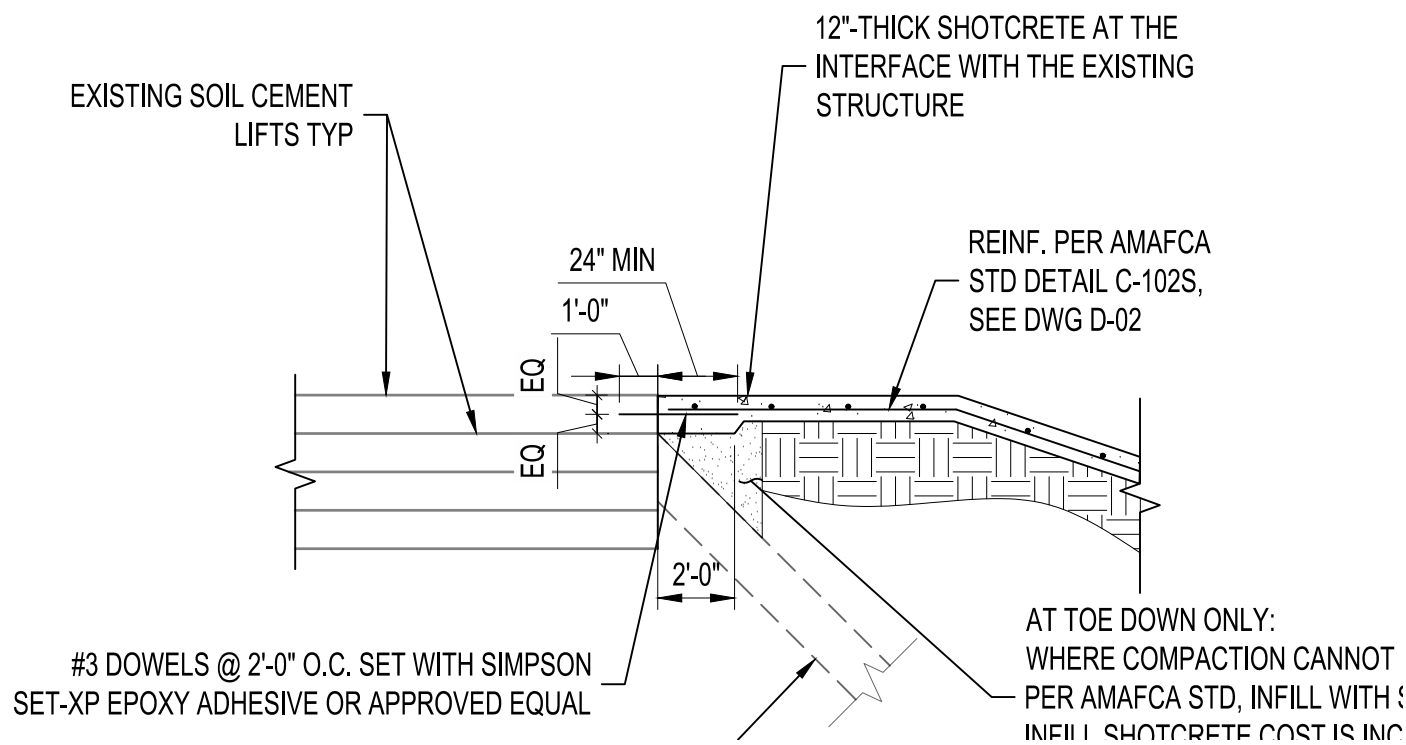
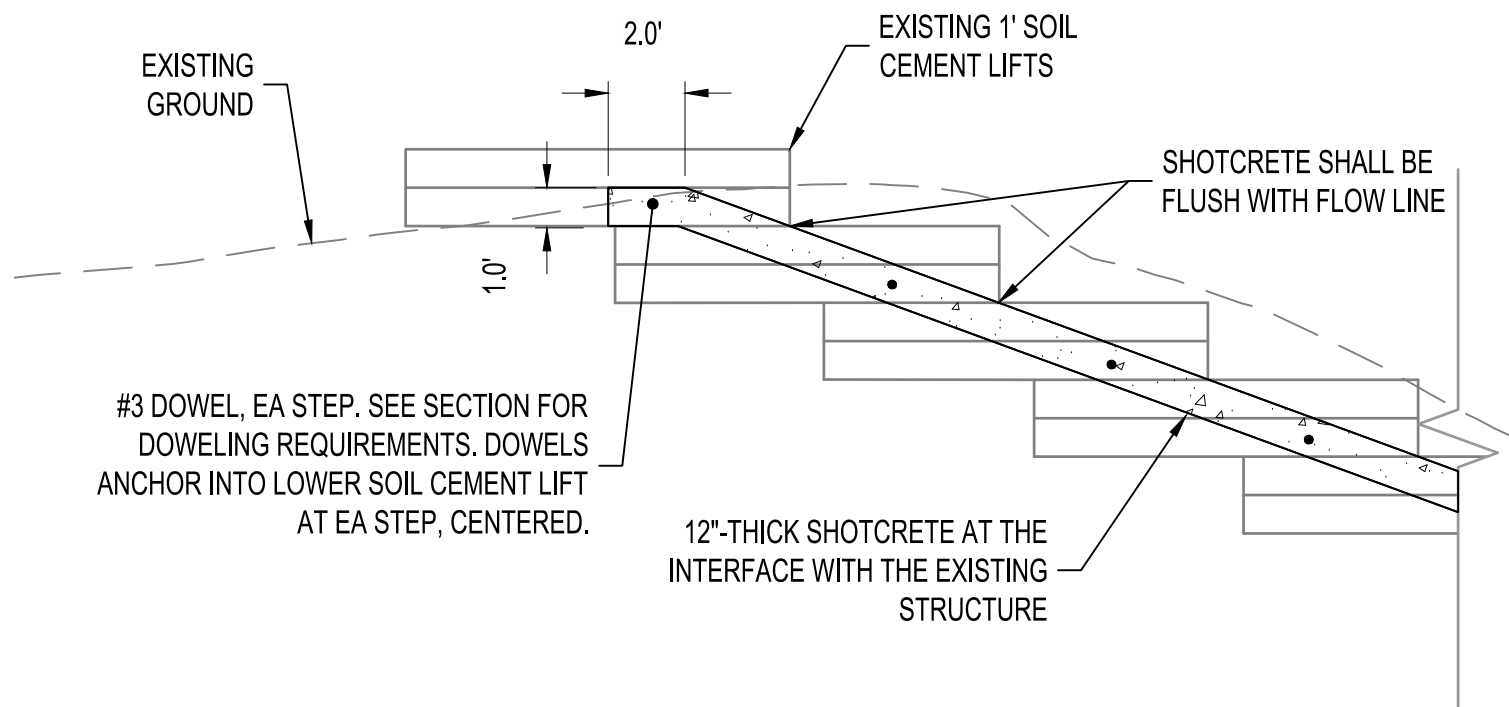


1 **GROUTED BOULDER**
SCALE: NOT TO SCALE

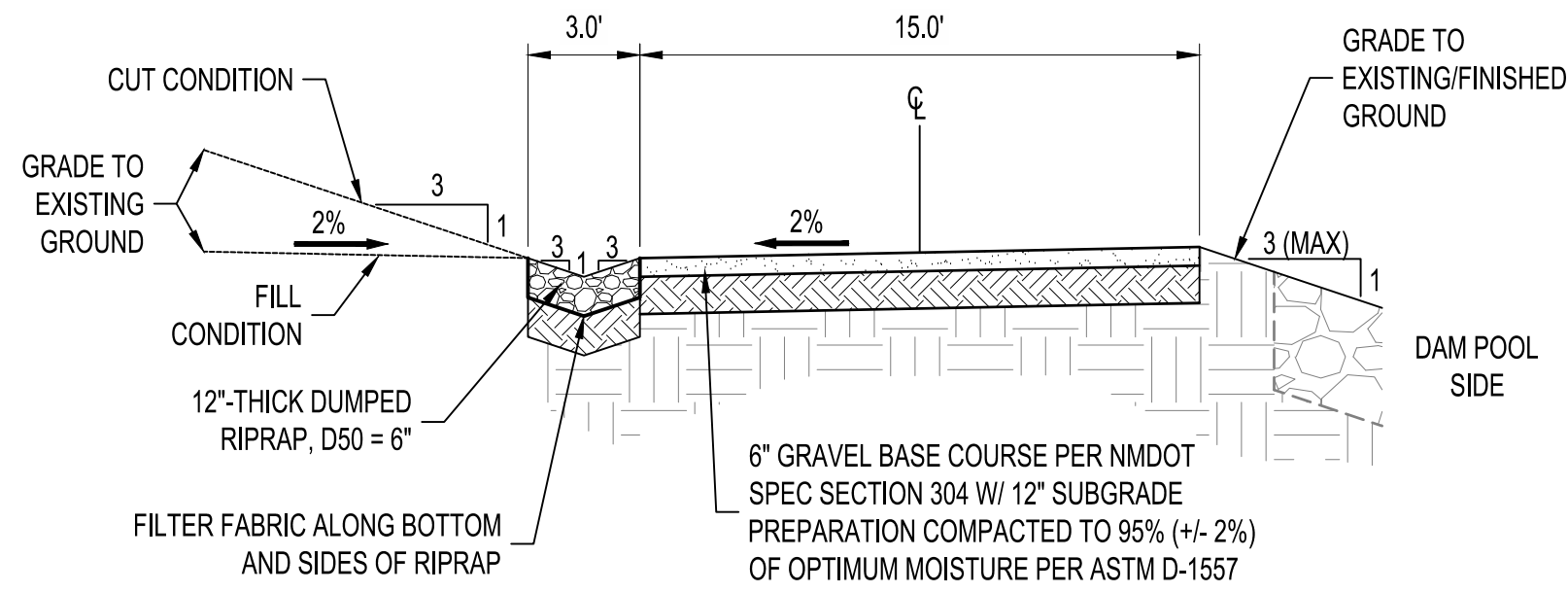


NOTE:
CONTRACTOR SHALL PLACE BOULDERS ON EACH SIDE OF THE PVC WEEP DRAIN MAKING SURE NOT TO DAMAGE THE PVC PIPE.

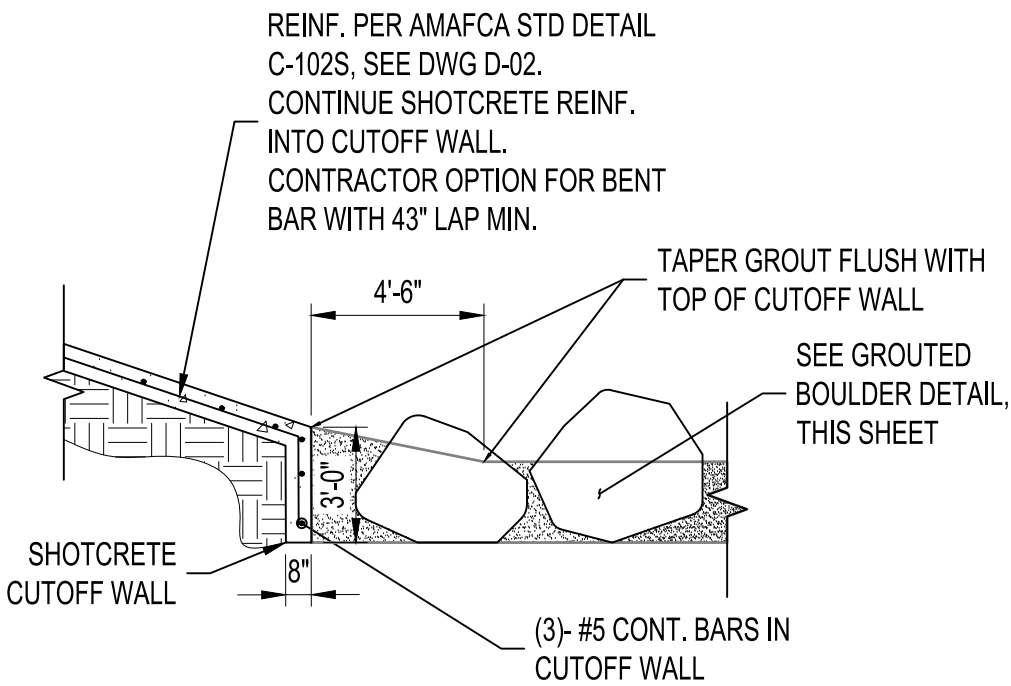
2 **WEEP DRAIN**
SCALE: NOT TO SCALE



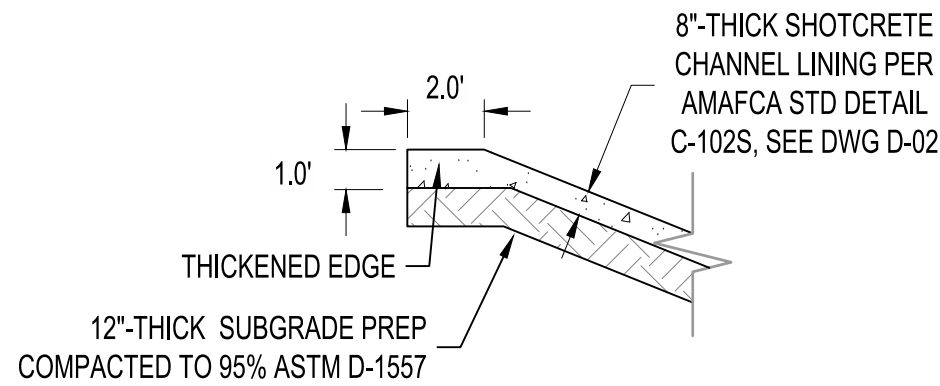
3 **SHOTCRETE TO EXISTING SOIL CEMENT CONNECTION**
SCALE: NOT TO SCALE



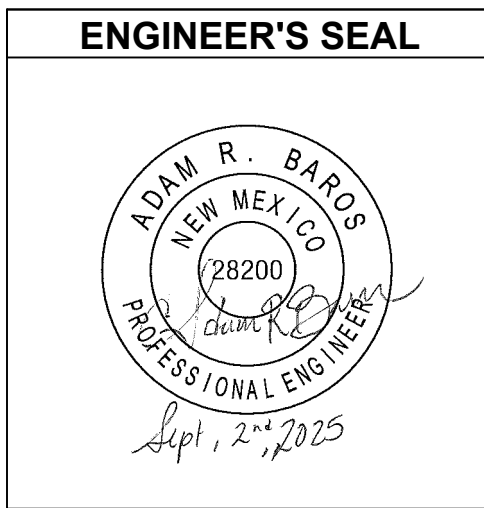
4 **MAINTENANCE RAMP**
SCALE: NOT TO SCALE



5 **SHOTCRETE TO RIPRAP CONNECTION CUTOFF WALL**
SCALE: NOT TO SCALE



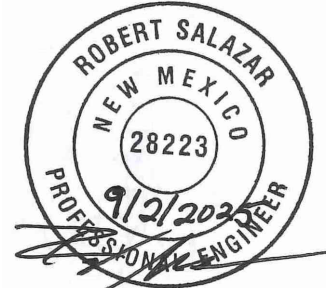
6 **THICKENED EDGE AT TOP OF SLOPE**
SCALE: NOT TO SCALE



BENCH MARKS

BENCHMARKS SHOWN ON SHEET 3

ENGINEER'S SEAL



September 2, 2025

AS-BUILT INFORMATION

CONTRACTOR	DATE	WORK	DATE	INSPECTORS	DATE	FIELD	DATE	DRAWINGS	DATE
		STARTED BY		ACCEPTANCE BY		VERIFICATION BY		CORRECTED BY	

REVISIONS

NO.	DATE

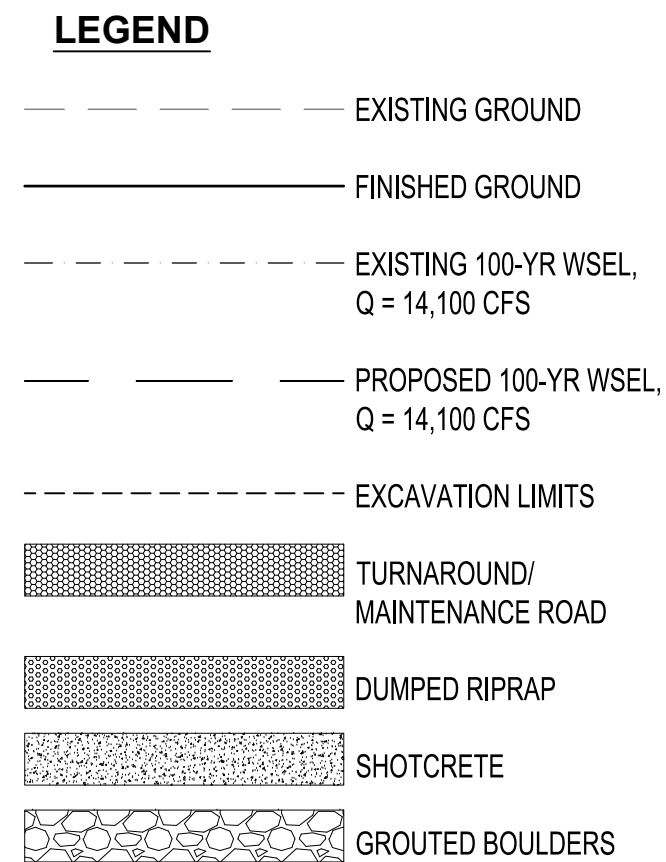
DESIGN

DESIGNED BY	CHECKED BY	DRAWN BY
ELA RGS	AC	NEC

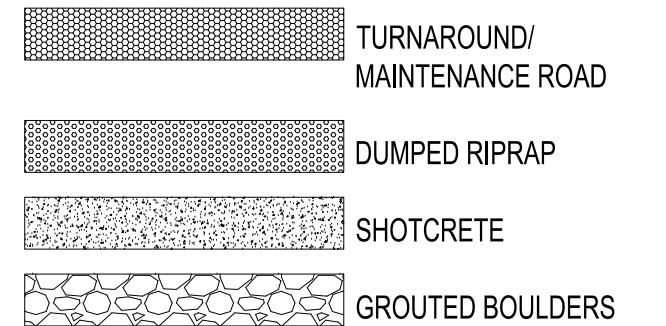
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SWINBURNE DAM GRADE CONTROL STRUCTURES
SECTIONS AND DETAILS 1**

BHI PROJECT NO. 20240392 DWG NO. D-01 SHEET 18 OF 22



STA. 100+80.00



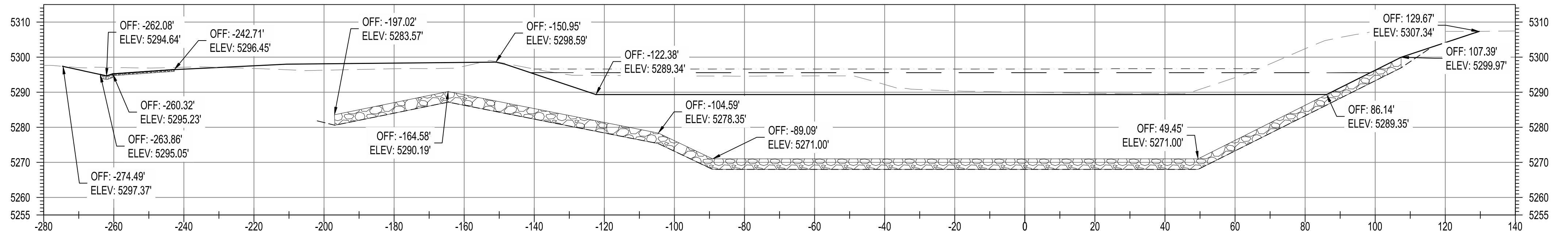
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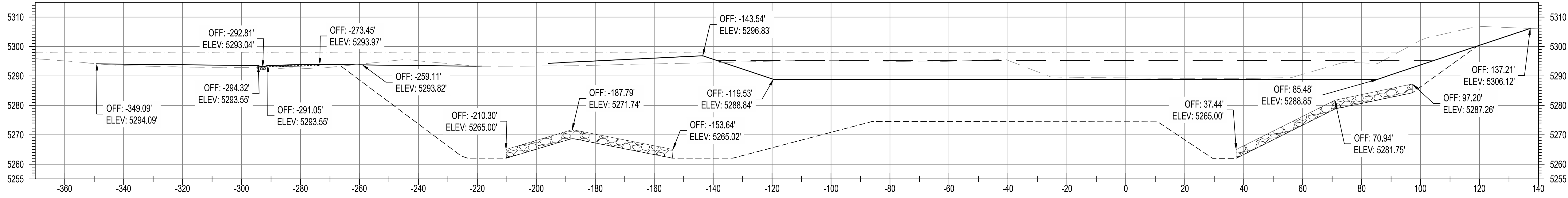
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STA. 102+00.00

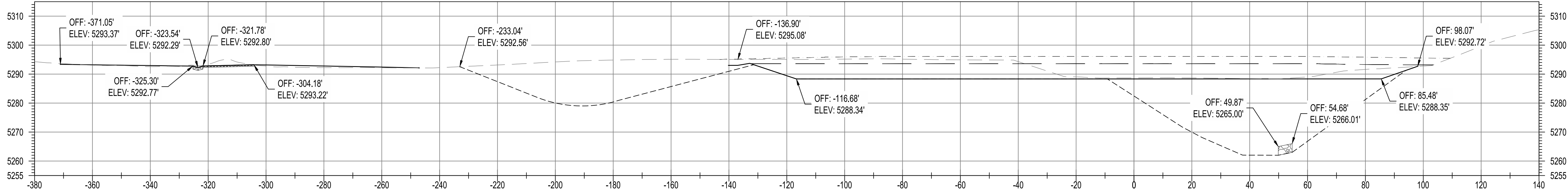
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STA. 103+00.00



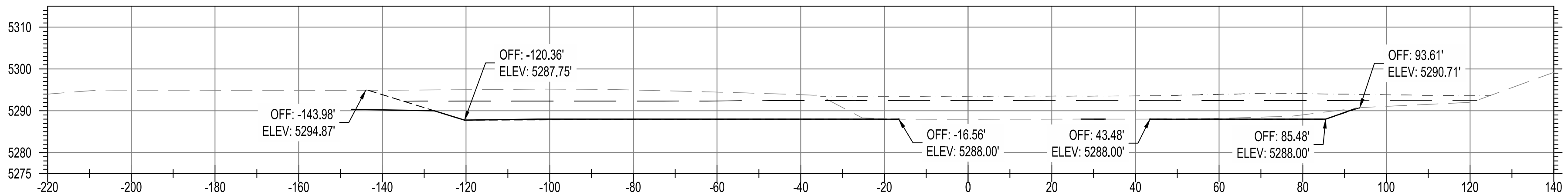
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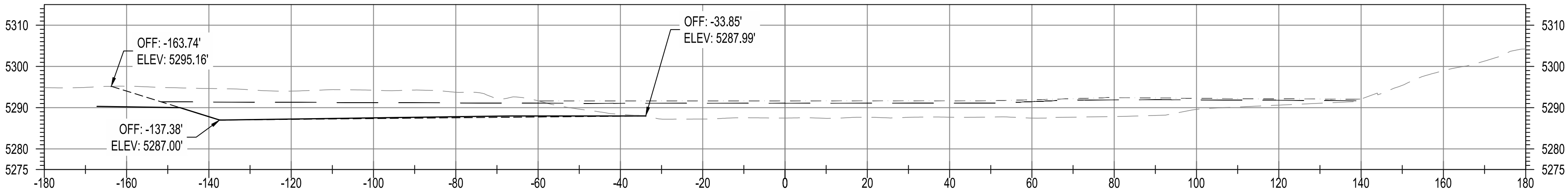
STA. 104+00.00

LEGEND

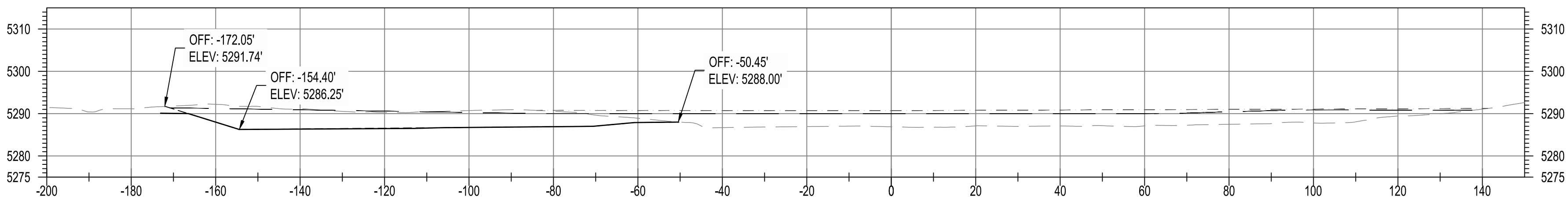
- EXISTING GROUND
- FINISHED GROUND
- EXISTING 100-YR WSEL, Q = 14,100 CFS
- PROPOSED 100-YR WSEL, Q = 14,100 CFS
- EXCAVATION LIMITS
- TURNAROUND/ MAINTENANCE ROAD
- DUMPED RIPRAP
- SHOTCRETE
- GROUTED BOULDERS



STA. 104+50.00



STA. 105+00.00

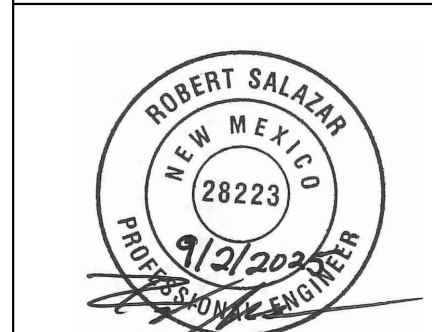


STA. 105+50.00

BENCH MARKS

BENCHMARKS SHOWN ON SHEET 3

ENGINEER'S SEAL



September 2, 2025

AS-BUILT INFORMATION

CONTRACTOR	DATE	WORK STARTED BY	DATE	INSPECTORS ACCEPTANCE BY	DATE	FIELD VERIFICATION BY	DATE	DRAWINGS CORRECTED BY	DATE

REVISIONS

BY	DATE	NO.	DATE

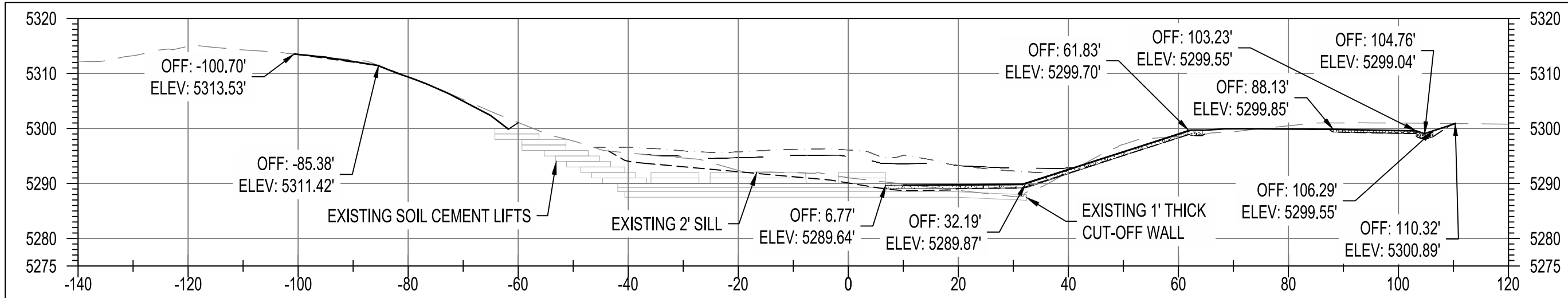
DESIGN

DESIGNED BY	CHECKED BY	DRAWN BY
ELA, RGS	AC	NEC

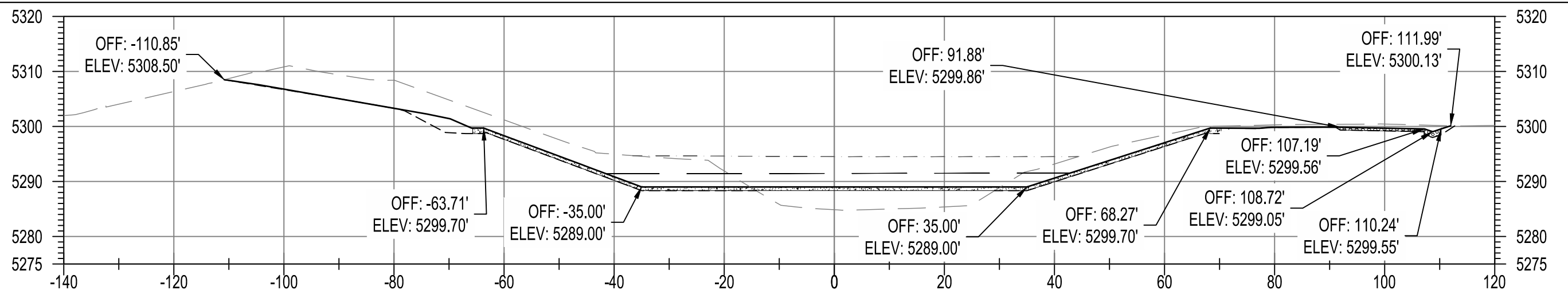
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SWINBURNE DAM GRADE CONTROL STRUCTURES
CROSS SECTIONS 2 - MAIN BRANCH

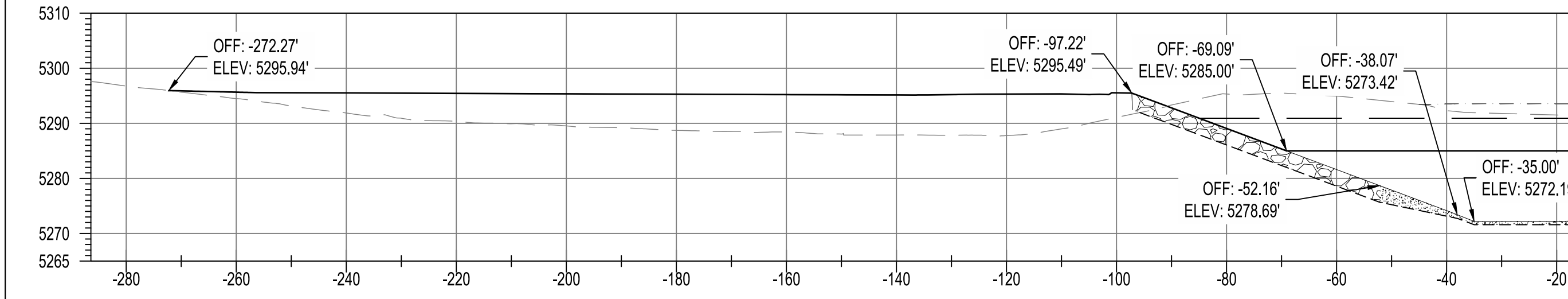
BHI PROJECT NO. 20240392 DWG NO. D-04 SHEET 21 OF 22



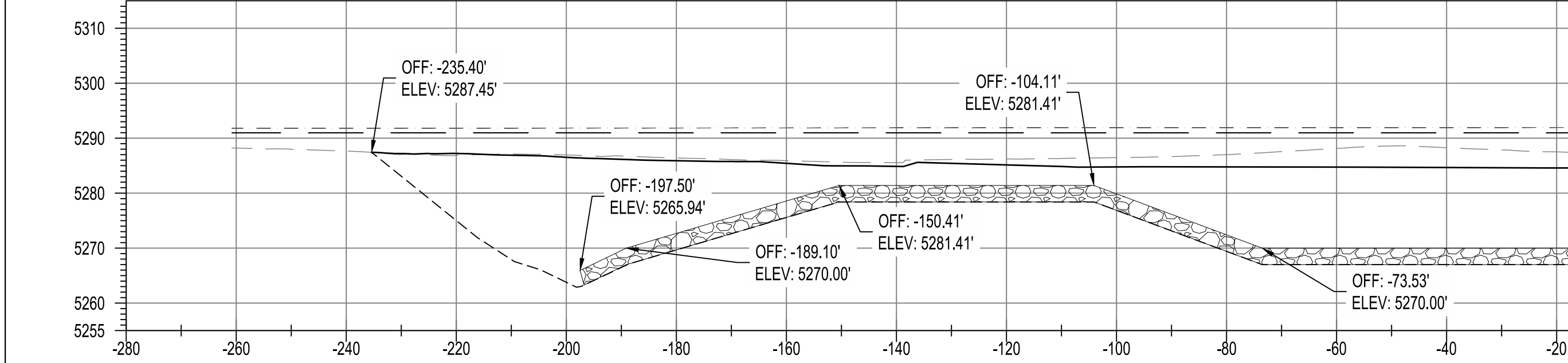
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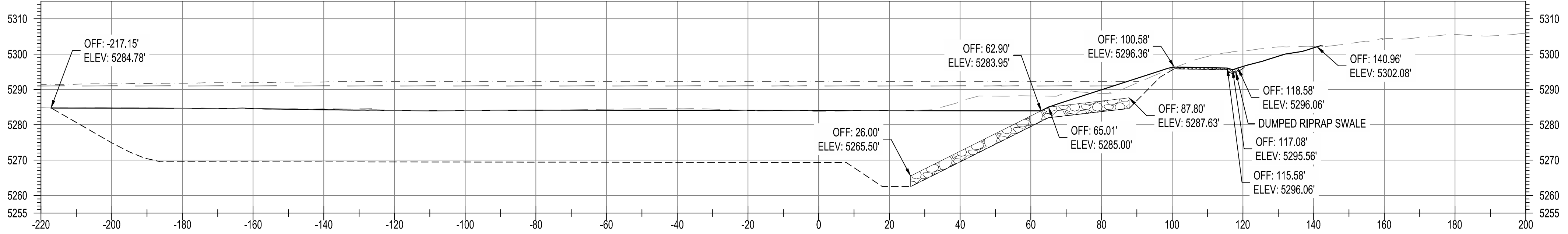
STA. 200+99.82



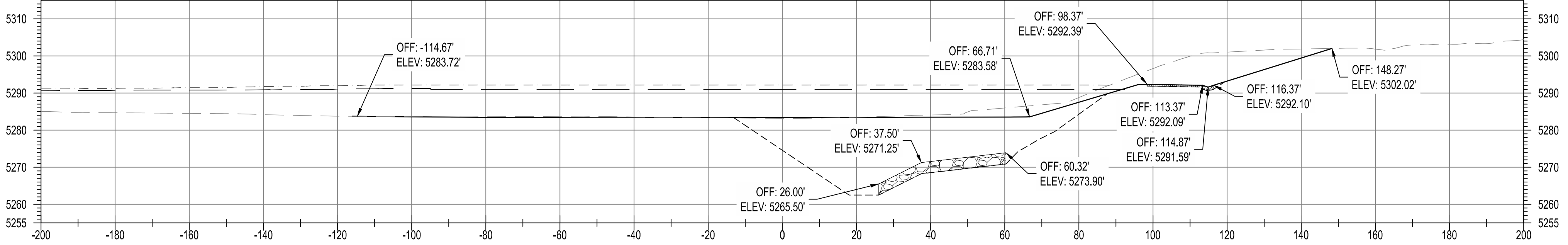
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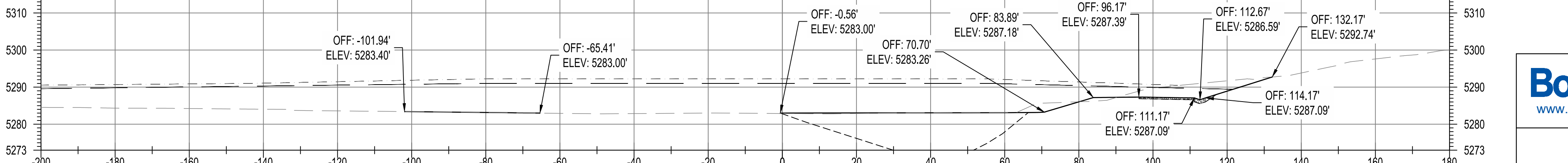
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STA. 202+50.00



STA. 203+00.00



STA. 203+50.00

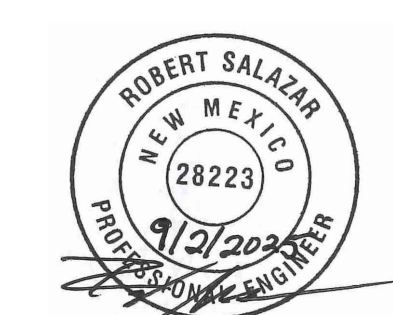
LEGEND

- EXISTING GROUND
- FINISHED GROUND
- EXISTING 100-YR WSEL, Q = 14,100 CFS
- PROPOSED 100-YR WSEL, Q = 14,100 CFS
- EXCAVATION LIMITS
- TURNAROUND/ MAINTENANCE ROAD
- DUMPED RIPRAP
- SHOTCRETE
- GROUTED BOULDERS

BENCH MARKS

BENCHMARKS SHOWN ON SHEET 3

ENGINEER'S SEAL



September 2, 2025

AS-BUILT INFORMATION

CONTRACTOR	DATE	WORK	DATE	INSPECTORS	DATE	FIELD	DATE	DRAWINGS	DATE
		STARTED BY		ACCEPTANCE BY		VERIFICATION BY		CORRECTED BY	

REVISIONS

NO.	DATE	BY

DESIGN

DESIGNED BY ELA, RGS	CHECKED BY AC	DRAWN BY NEC



AMAFCA
SWINBURNE DAM GRADE CONTROL STRUCTURES
CROSS SECTIONS 3 - WEST BRANCH

BHI PROJECT NO.	20240392	DWG NO.	D-05	SHEET	22	OF	22
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