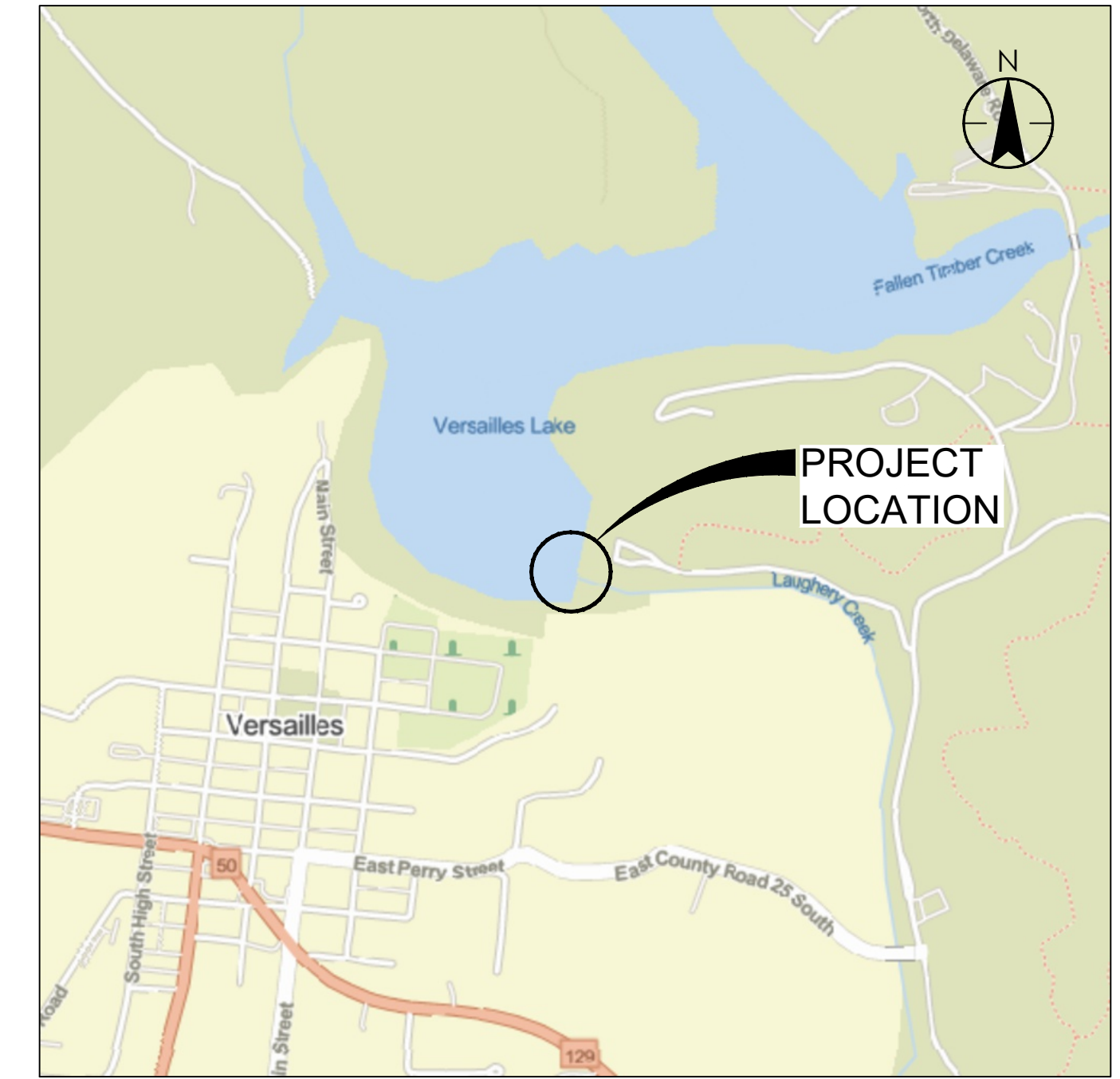




INDIANA DEPARTMENT OF NATURAL RESOURCES

VERSAILLES DAM 30% DESIGN



VICINITY MAP
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| SHEET INDEX | | |
|-------------|------------|--|
| SHEET NO | DRAWING NO | SHEET TITLE |
| 1 | G-001 | COVER |
| 2 | G-002 | GENERAL NOTES |
| 3 | C-101 | OVERVIEW 1 |
| 4 | C-102 | OVERVIEW 2 |
| 5 | C-103 | DEMOLITION PLAN (PHASE 1 - STEP 1) |
| 6 | C-104 | DEMOLITION SECTIONS (PHASE 1 - STEP 1) |
| 7 | C-105 | DEMOLITION PLAN (PHASE 1 - STEP 2) |
| 8 | C-106 | DEMOLITION SECTIONS (PHASE 1 - STEP 2) |
| 9 | C-107 | DEMOLITION PLAN (PHASE 1 - STEP 3) |
| 10 | C-108 | DEMOLITION SECTIONS 1 (PHASE 1 - STEP 3) |
| 11 | C-109 | DEMOLITION SECTIONS 2 (PHASE 1 - STEP 3) |
| 12 | C-110 | DEMOLITION PHASE 2 |
| 13 | C-111 | GRADING PLAN 1 |
| 14 | C-112 | GRADING PLAN 2 |
| 15 | C-113 | GRADING PLAN 3 |
| 16 | C-114 | GRADING PLAN 4 |
| 17 | C-115 | GRADING PLAN 5 |
| 18 | C-116 | GRADING PLAN 6 |
| 19 | C-117 | GRADING PLAN 7 |
| 20 | C-118 | GRADING PLAN 8 |
| 21 | C-119 | GRADING PLAN 9 |
| 22 | C-120 | GRADING PLAN 10 |
| 23 | C-201 | PLAN & PROFILE 1 |
| 24 | C-202 | PLAN & PROFILE 2 |
| 25 | C-203 | PLAN & PROFILE 3 |
| 26 | C-204 | PLAN & PROFILE 4 |
| 27 | C-205 | PLAN & PROFILE 5 |
| 28 | C-206 | PLAN & PROFILE 6 |
| 29 | C-207 | PLAN & PROFILE 7 |
| 30 | C-208 | PLAN & PROFILE 8 |
| 31 | C-209 | PLAN & PROFILE 9 |
| 32 | C-210 | PLAN & PROFILE 10 |
| 33 | C-304 | TYPICAL SECTIONS |
| 34 | C-305 | CROSS SECTIONS 1 |
| 35 | C-306 | CROSS SECTIONS 2 |
| 36 | C-307 | CROSS SECTIONS 3 |
| 37 | C-501 | DETAILS 1 |
| 38 | C-502 | DETAILS 2 |
| 39 | C-601 | PLANTING PLAN |

2026.02.27

PROJECT NUMBER: 173411095

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GENERAL NOTES

SUMMARY OF WORK

- 1. THE INDIANA DEPARTMENT OF NATURAL RESOURCES (OWNER) HAS RETAINED THE SERVICES OF STANTEC CONSULTING SERVICES, INC. (ENGINEER) TO PRODUCE THESE DRAWINGS AND ASSOCIATED SPECIFICATIONS.
2. THE VERSAILLES DAM REMOVAL PROJECT (PROJECT) SCOPE OF WORK (WORK) SHALL CONSIST OF CONSTRUCTION OF TEMPORARY ACCESS ROUTES, CONSTRUCTION OF STAGING AND STORAGE AREAS, INSTALLATION OF TEMPORARY SEDIMENT AND EROSION CONTROL BEST MANAGEMENT PRACTICES (BMPs), DEMOLITION OF THE VERSAILLES LAKE DAM TO A MINIMUM OF THE EXTENTS SHOWN, DEMOLITION OF DAM ASSOCIATED STRUCTURES AS SHOWN, GRADING OF THE DAM EMBANKMENT, BULK GRADING OF RESERVOIR SEDIMENT, AND GRADING OF A NEW CHANNEL FOR LAUGHERY CREEK.
3. WORK SHALL ALSO INCLUDE ALL TEMPORARY DEWATERING, FLOW DIVERSION, TEMPORARY FACILITY INSTALLATION AND MAINTENANCE, MAINTENANCE OF TRAFFIC, SAFETY SIGNAGE AND EXCLUSION FENCING AS NECESSARY TO COMPLETE THE WORK SAFELY AND IN COMPLIANCE WITH PERMITS.
4. RESTORATION OF ANY DISTURBED AREAS AND REPAIR OF ANY EXISTING INFRASTRUCTURE IMPACTED OR DAMAGED DURING CONSTRUCTION SHALL BE CONSIDERED PART OF THE WORK.

SEQUENCE OF CONSTRUCTION

- 5. CONSTRUCTION SHALL BE COMPLETED IN TWO DISTINCT PHASES:
6. PHASE 1 - RESERVOIR DEWATERING AND DAM REMOVAL
6.1. STEP 1 - CONTRACTOR SHALL ESTABLISH ALL STAGING, STORAGE, TEMPORARY ACCESS ROUTES, AND INSTALL ALL TEMPORARY BMPs PRIOR TO INITIATING EARTH DISTURBING ACTIVITIES. REMOVE CONCRETE BLOCKS/BOULDERS FROM THE LEFT ABUTMENT OF THE LOW-HEAD WEIR AT THE DOWNSTREAM END OF THE STILLING BASIN AND DEWATER STILLING BASIN. CONSTRUCT ACCESS TO THE SOUTH ABUTMENT OF THE PRINCIPAL SPILLWAY OF THE DAM AND NOTCH TO CONCENTRATE FLOW AGAINST THE SOUTH ABUTMENT.
6.2. STEP 2 - CONSTRUCT TEMPORARY ACCESS CAUSEWAY TO THE SOUTH ABUTMENT AND NOTCH THE PRINCIPAL SPILLWAY TO THE ELEVATION SHOWN IN THESE DRAWINGS.
6.3. STEP 3 - DEMOLISH PRINCIPAL SPILLWAY, ABUTMENT WALLS, AND FOOTINGS TO, AT MINIMUM, THE EXTENTS SHOWN IN THESE DRAWINGS. EXCAVATE AND GRADE EARTHEN PORTIONS OF DAM TO EXTENTS AND GRADES SHOWN, SPOIL MATERIAL AS SHOWN, AND STABILIZE BY TRACKING OVER SPOILS AND APPLYING SEED AND STRAW.
6.4. STEP 4 - REPLACE CONCRETE BLOCK/BOULDERS AT THE LEFT ABUTMENT OF THE LOW-HEAD WEIR AT THE DOWNSTREAM END OF THE STILLING BASIN TO RESTORE WATER SURFACE ELEVATIONS TO APPROXIMATE PRE-CONSTRUCTION ELEVATION.
7. PHASE 2 - RESERVOIR FOOTPRINT AND LAUGHERY CREEK RESTORATION
7.1. CONTRACTOR SHALL ESTABLISH ALL STAGING, STORAGE, TEMPORARY ACCESS ROUTES, AND INSTALL ALL TEMPORARY BMPs PRIOR TO INITIATING EARTH DISTURBING ACTIVITIES.
7.2. EXCAVATE AND/OR GRADE PROPOSED VALLEY AND LAUGHERY CREEK CHANNEL.
7.3. SPOIL EXCESS MATERIAL IN AREAS SHOWN IN THE DRAWINGS. SPOIL AREAS SHALL HAVE MAXIMUM SIDE SLOPES OF 4:1 (HORIZONTAL:VERTICAL) AND SHALL BE A MAXIMUM OF 15 FEET THICK.
7.4. GRADE VERTICAL OR NEAR-VERTICAL BANKS ALONG FALLING TIMBER CREEK OR CEDAR CREEK BACK TO A MAXIMUM SLOPE OF 2:1.
7.5. INSTALL ROCK RIFFLES, HABITAT FEATURES, OR LARGE WOOD INSTALLATIONS AS SHOWN IN THESE DRAWINGS.
7.6. APPLY SEED OF THE MIX AND RATES SPECIFIED AND STRAW MULCH TO ALL DISTURBED AREAS.
7.7. REMOVE TEMPORARY ACCESS ROUTES, SEDIMENT AND EROSION CONTROL BMPs, AND ANY TEMPORARY FACILITIES.
8. TEMPORARY CONSTRUCTION FILL: ANY TEMPORARY CONSTRUCTION ACCESS FILL WITHIN "WATERS OF THE US" (EG., STREAMS, WETLANDS) SUBJECT TO US ARMY CORPS OF ENGINEERS (USACE) REGULATORY JURISDICTION SHALL BE REMOVED AT COMPLETION OF THE WORK.

CONSTRUCTION LIMITS

- 9. PROJECT LIMITS ARE SHOWN ON THE DRAWINGS. CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE OF THE LIMITS SHOWN WITHOUT WRITTEN AUTHORIZATION FROM OWNER OR ENGINEER. ANY AREAS WHERE ADDITIONAL DISTURBANCE OR ACCESS ARE APPROVED SHALL BE SUBJECT TO THE SAME RESTORATION REQUIREMENTS DESCRIBED IN THE DRAWINGS.

PERMITS

- 10. THE CONTRACTOR SHALL COMPLY WITH THE TERMS AND CONDITIONS FOR ALL WATERWAY PERMITS, ENVIRONMENTAL PERMITS, OR OTHER PERMITS SECURED BY OWNER FOR THE PROJECT.
11. CONTRACTOR SHALL PREPARE AND SUBMIT ANY PERMITS NOT ACQUIRED BY OWNER IN ADVANCE OF PROJECT, INCLUDING ALL FEES OR PLANS.

ACCESS TO PROJECT

- 12. CONTRACTOR SHALL BE SUBJECT TO THE REQUIREMENTS OF THE TOWN AND/OR COUNTY REGARDING ACCEPTABLE HAUL ROUTES. ALL HAULING ROUTES SHALL BE COORDINATED WITH THE TOWN OF VERSAILLES, RIPLEY COUNTY, AND THE OWNER BY THE CONTRACTOR.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY LOCAL PERMITS AND PROVIDING ALL NECESSARY MAINTENANCE OF TRAFFIC MEASURES THAT MAY BE REQUIRED BY THE TOWN OF VERSAILLES, RIPLEY COUNTY, OR ANY OTHER PUBLIC ENTITIES OR REGULATORY AGENCIES INCLUDING ANY MEASURES ABOVE AND BEYOND THOSE SHOWN ON THE PLANS AT THE CONTRACTOR'S EXPENSE.

SURVEY NOTES

- 14. HORIZONTAL PROJECTION IS INDIANA STATE PLANE, EAST ZONE NAD83(2011).
15. VERTICAL DATUM IS NAVD 1988.
16. EXISTING GRADES AS SHOWN ARE BASED ON SURVEY AND DATA COLLECTION PERFORMED IN JUNE AND JULY 2025. UNDERWATER BATHYMETRY IS BASED ON DATA COLLECTED IN MARCH 2021 AND JANUARY 2026.
17. TOPOGRAPHIC DATA FROM LIDAR COLLECTED IN 2017 WAS USED FOR AREAS OUTSIDE OF THE LIMITS OF SURVEY DESCRIBED ABOVE.
18. CONTROL POINTS SHOWN WERE SET BY STANTEC IN JUNE 2025.

EXISTING UTILITIES

- 19. UTILITY LINES OR STRUCTURES AS SHOWN IN THE DRAWINGS ARE APPROXIMATE AND WERE EITHER FIELD LOCATED OR ARE SHOWN BASED ON BEST AVAILABLE DATA. CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING LOCATION OF UTILITIES THROUGH ADDITIONAL UTILITY LOCATES OR BY POTHOLING. CONTRACTOR SHALL NOT RELY ON THE DRAWINGS AS THE SOLE SOURCE FOR LOCATION OF UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT INDIANA DIG UTILITY PROTECTION SERVICE (811) AT LEAST THREE (3) WORKING DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR THE PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. ALL UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED WITH LIKE MATERIAL IN ACCORDANCE WITH THE UTILITY OWNER'S REQUIREMENTS. THE CONTRACTOR SHALL VERIFY THE DEPTH AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES. THE EXACT LOCATION OF EXISTING UTILITIES SHALL BE DETERMINED BY HAND DIGGING.
20. THE LOCATION OF ALL PUBLIC UTILITIES SHOWN ON THE PLANS ARE TAKEN FROM THE BEST AVAILABLE DATA. UTILITIES IDENTIFIED IN THE PLANS ARE APPROXIMATED BASED ON INITIAL COORDINATION WITH LOCAL UTILITIES; HOWEVER, THE CONTRACTOR IS REQUIRED TO VERIFY THE LOCATION AND ELEVATION OF UTILITIES ON-SITE PRIOR TO MOBILIZING TO THE SITE. THE OWNER WILL NOT BE RESPONSIBLE FOR ANY OMISSION OR VARIATIONS FROM THE LOCATIONS SHOWN.

- 21. EXISTING UTILITY PROTECTION - THE CONTRACTOR SHALL NOT DISTURB EXISTING UTILITIES AND SHALL PROVIDE FOR THE PROTECTION OF EXISTING UTILITIES DURING ALL CONSTRUCTION ACTIVITIES BY ABIDING BY THE FOLLOWING GUIDELINES:
A. ESTABLISH BARRIERS USING CONSTRUCTION FENCING AROUND EACH MANHOLE THAT PROVIDES AT LEAST A 12-FOOT RADIUS BUFFER.
B. NO CONSTRUCTION EQUIPMENT IS PERMITTED WITHIN 12-FOOT RADIUS BARRIERS. ONLY HAND TOOLS ARE PERMITTED FOR CLEARING AND GRUBBING, SEEDING, AND MINOR GRADING. MINOR GRADING IS DEFINED AS GRADING THAT DOES NOT EXCEED A DEPTH OF 2 FEET. GRADING WITH HAND TOOLS IS NOT PERMITTED WITHIN A 7-FOOT BUFFER OF ANY MANHOLE.
C. IF CROSSING OF UTILITIES IS NECESSARY, CONTRACTOR SHALL PROVIDE PROTECTION OVER ANY UTILITY LINES.
26. CONTRACTOR SHALL PROVIDE SIGNAGE AND PROTECTION IN ANY LOCATIONS WHERE ACCESS ROUTES CROSS BELOW OVERHEAD UTILITIES. THE CONTRACTOR SHALL ASSESS CLEARANCE HEIGHT AND COORDINATE WITH UTILITY OWNER FOR TEMPORARY RELOCATION, AS NEEDED.

TREE PROTECTION

- 27. CONTRACTOR SHALL NOT DAMAGE TREES AND OTHER DESIRABLE VEGETATION OUTSIDE THE PROJECT WORK AREA OR WITHIN THE TREE PROTECTION ZONES DURING CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL INSTALL TREE PROTECTION PER PLAN. ANY TREE OR AREA NOT DELINEATED FOR PROTECTION MAY BE DISTURBED.

SEEDING AND MULCHING

- 28. THE CONTRACTOR SHALL RESTORE DISTURBED AREAS AS PER THE PLANTING PLAN INCLUDED WITH THESE DRAWINGS ON SHEET C-601. ANY AREAS DISTURBED BY THE CONTRACTORS OUTSIDE OF THE PROJECT LIMITS SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE WITH THE SEED MIX IDENTIFIED IN THE PLANTING PLAN OR APPROVED ALTERNATE.

USE OF EXPLOSIVES

- 28. THE USE OF EXPLOSIVES IS NOT PERMITTED ON THIS PROJECT.

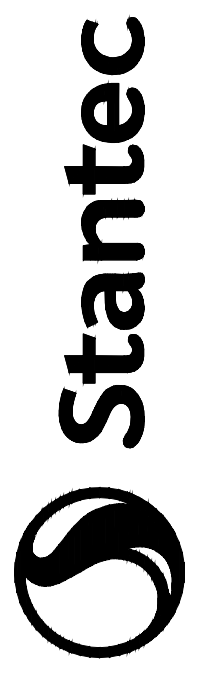
ARCHAEOLOGICAL/HISTORICAL RESOURCES

- 29. IF THE EXCAVATION OPERATIONS ENCOUNTER MATERIAL REMAINS OF PRECONTACT OR HISTORIC STRUCTURES, FEATURES, OR ARTIFACTS, WHETHER ATTRIBUTABLE TO INDIGENOUS PEOPLES OR NON INDIGENOUS AMERICANS, THE OPERATIONS SHALL BE TEMPORARILY HALTED WITHIN A 50-FOOT BUFFER OF THE FIND LOCATION AND THE CONSTRUCTION CONTRACTOR SHALL NOTIFY THE OWNER.
30. THE OWNER WILL COORDINATE WITH THE INDIANA STATE HISTORIC PRESERVATION OFFICE (SHPO) TO DETERMINE THE DISPOSITION OF THE FIND. AFTER CONSULTATION WITH SHPO, OWNER MAY ELECT TO DISCONTINUE WORK IN THE AREA INDEFINITELY, OR ENGAGE PROFESSIONAL ARCHAEOLOGISTS TO RECOVER SIGNIFICANT ARCHAEOLOGICAL REMAINS. THE OWNER MAY ALSO RESUME NORMAL EXCAVATIONS IF RELEASED TO DO SO BY SHPO.
31. WHEN DIRECTED BY THE OWNER TO DOCUMENT AND RECOVER PRECONTACT OR HISTORIC MATERIAL REMAINS, THE CULTURAL RESOURCES CONTRACTOR SHALL INVESTIGATE THE SITE IN ACCORDANCE WITH A PLAN APPROVED BY SHPO AND SHALL REMOVE THE MATERIAL REMAINS FOR DELIVERY TO THE CUSTODY OF THE PROPER AUTHORITIES. THE CONSTRUCTION CONTRACTOR SHALL NOT DISTURB ANY HISTORICAL OR CULTURAL BUILDINGS, FOUNDATION, STRUCTURE, OR MATERIALS ABOVE OR BELOW THE GROUND SURFACE UNTIL THE PROCESS DETAILED HEREIN HAS BEEN FOLLOWED AND THE CONSTRUCTION CONTRACTOR IS NOTIFIED THAT CONSTRUCTION IN THE RESTRICTED AREA CAN RESUME.
32. NOTE THAT IF HUMAN REMAINS ARE LOCATED, THE CONSTRUCTION CONTRACTOR WILL NOTIFY OWNER AND LOCAL LAW ENFORCEMENT, AND WORK WILL BE HALTED WITHIN 50 FEET OF THE HUMAN REMAINS UNTIL THE CONSTRUCTION CONTRACTOR IS CLEARED TO RESUME WORK IN THE AREA OF THE FIND.

MAINTENANCE OF TRAFFIC

- 33. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD).
34. LANE RESTRICTIONS OR CLOSURES REQUIRED DURING CONSTRUCTION MUST BE APPROVED BY OWNER WITHIN PARK BOUNDARIES AND EITHER RIPLEY COUNTY OR THE TOWN OF VERSAILLES (AS APPLICABLE) OUTSIDE OF THE PARK BOUNDARIES. CONTRACTOR SHALL REQUEST DETOURS OR MODIFICATION OF TRAFFIC PATTERN A MINIMUM OF TWO (2) WEEKS PRIOR TO ANY WORK BEING PERFORMED. OTHERWISE, TRAFFIC LANES SHALL BE FULLY OPEN TO TRAFFIC AT ALL TIMES AND INGRESS AND EGRESS SHALL BE MAINTAINED TO PUBLIC AND PRIVATE PROPERTY.

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Client/Project: INDIANA DEPARTMENT OF NATURAL RESOURCES, VERSAILLES DAM 30% DESIGN, RIPLEY COUNTY, INDIANA

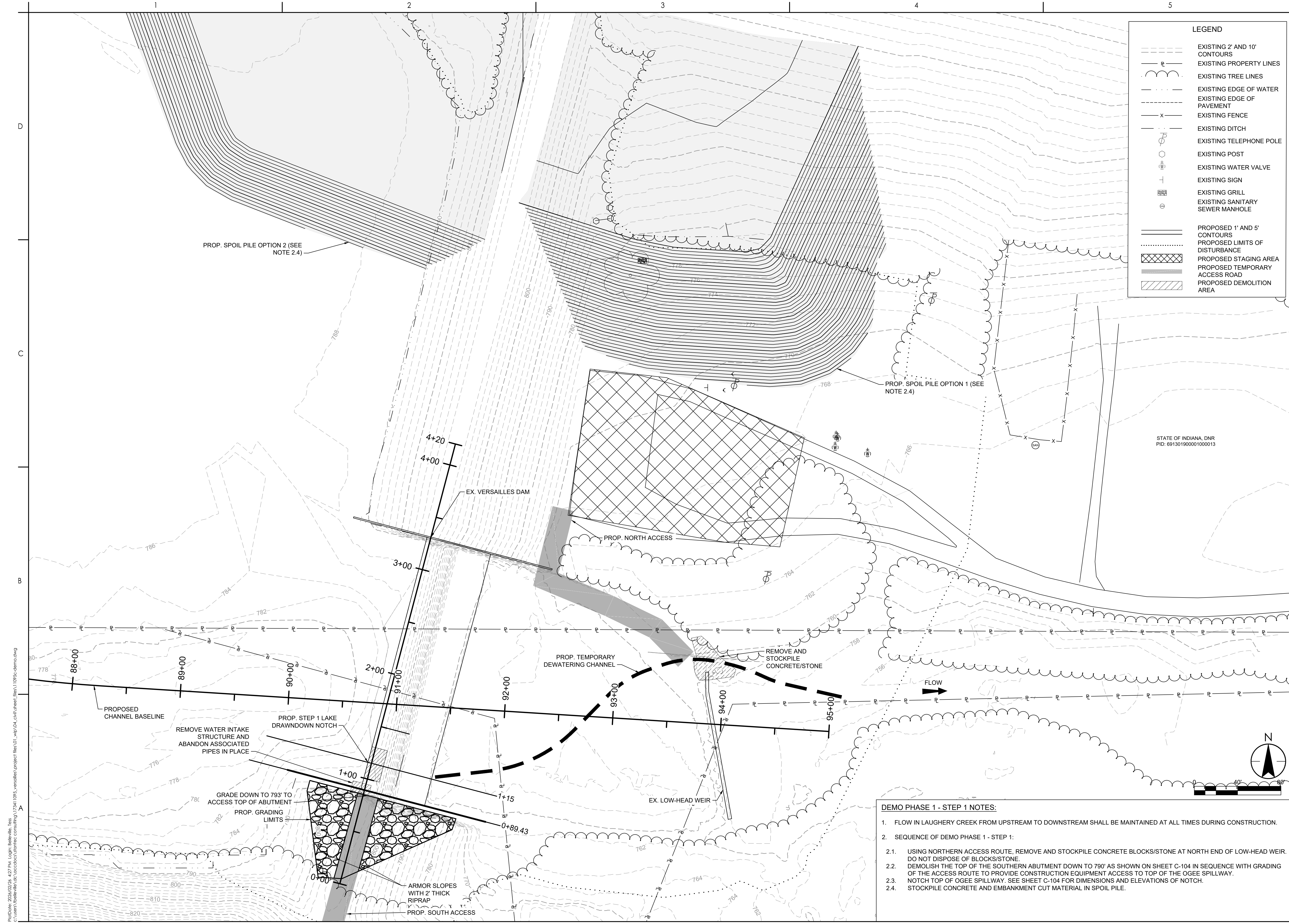
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LEGEND

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| | EXISTING 2' AND 10' CONTOURS |
| | EXISTING PROPERTY LINES |
| | EXISTING TREE LINES |
| | EXISTING EDGE OF WATER |
| | EXISTING EDGE OF PAVEMENT |
| | EXISTING FENCE |
| | EXISTING DITCH |
| | EXISTING TELEPHONE POLE |
| | EXISTING POST |
| | EXISTING WATER VALVE |
| | EXISTING SIGN |
| | EXISTING GRILL |
| | EXISTING SANITARY SEWER MANHOLE |
| | PROPOSED 1' AND 5' CONTOURS |
| | PROPOSED LIMITS OF DISTURBANCE |
| | PROPOSED STAGING AREA |
| | PROPOSED TEMPORARY ACCESS ROAD |
| | PROPOSED DEMOLITION AREA |

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 VERSAILLES DAM
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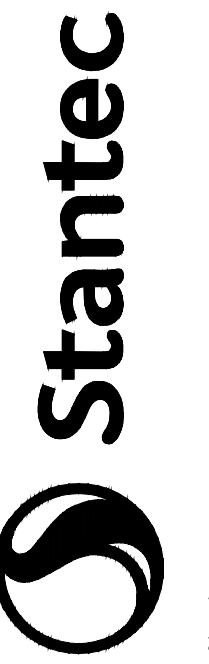
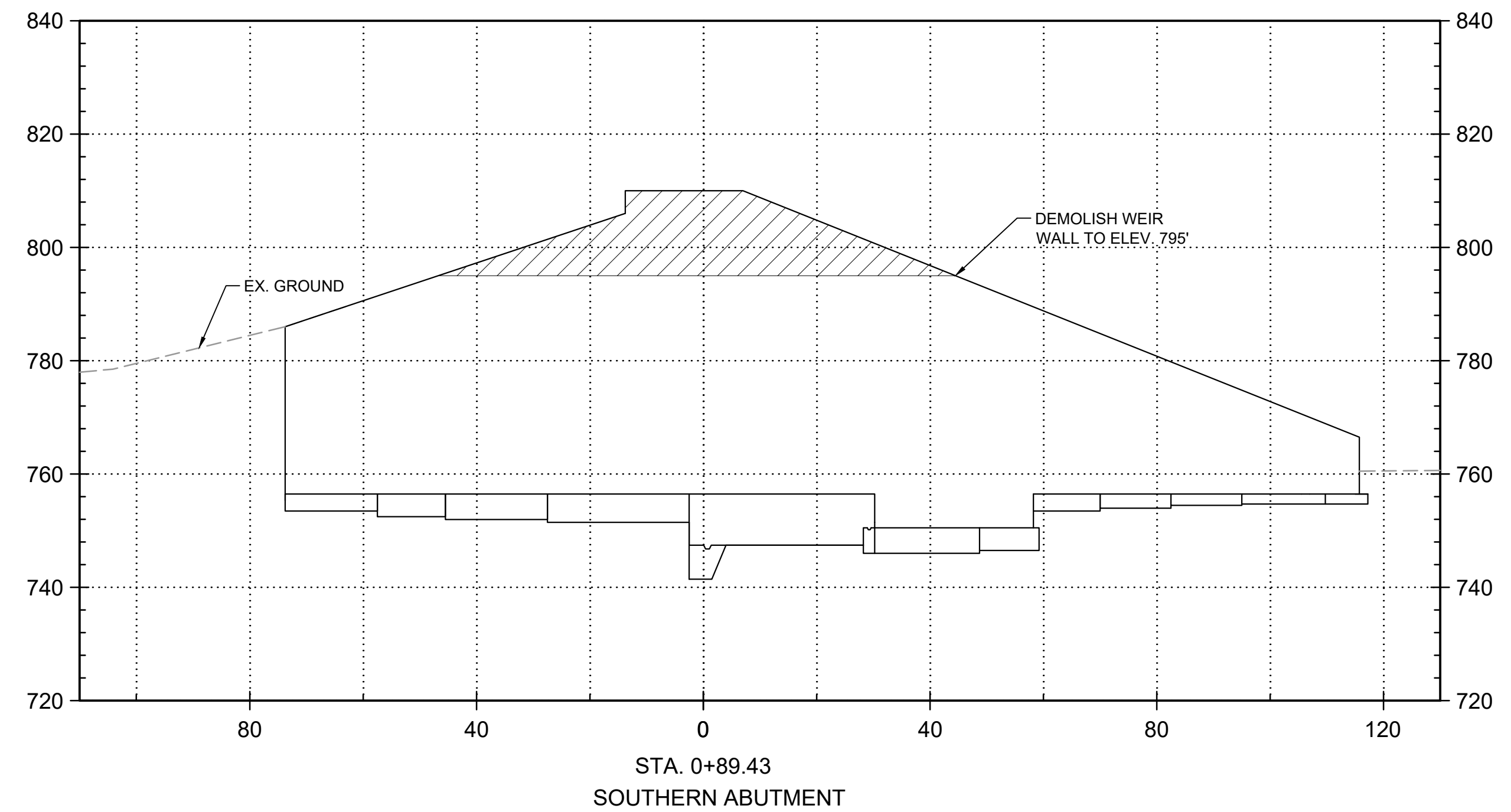
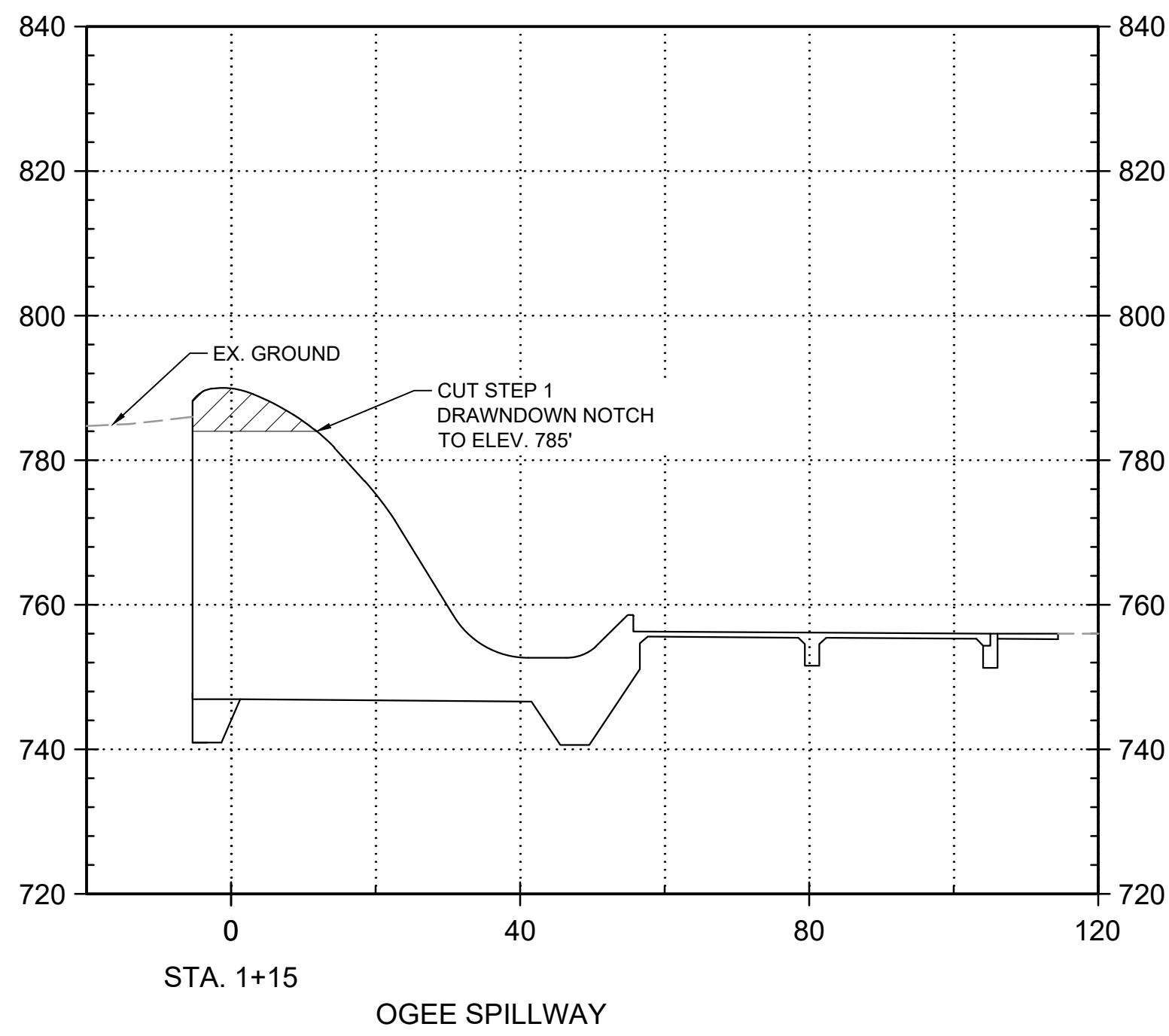
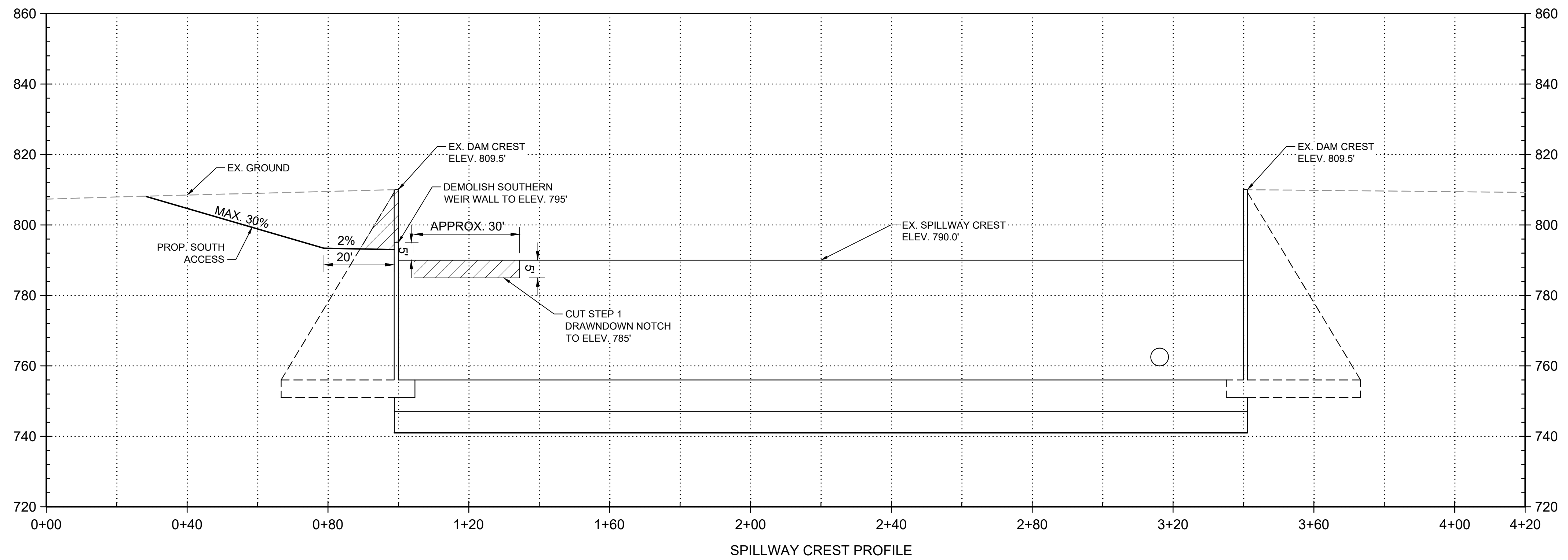
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Title
**DEMOLITION PLAN
(PHASE 1 - STEP 1)**
 Revision: Sheet: 5 of 38
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- DEMO PHASE 1 - STEP 1 NOTES:**
- FLOW IN LAUGHERY CREEK FROM UPSTREAM TO DOWNSTREAM SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
 - SEQUENCE OF DEMO PHASE 1 - STEP 1:
 - USING NORTHERN ACCESS ROUTE, REMOVE AND STOCKPILE CONCRETE BLOCKS/STONE AT NORTH END OF LOW-HEAD WEIR. DO NOT DISPOSE OF BLOCKS/STONE.
 - DEMOLISH THE TOP OF THE SOUTHERN ABUTMENT DOWN TO 790' AS SHOWN ON SHEET C-104 IN SEQUENCE WITH GRADING OF THE ACCESS ROUTE TO PROVIDE CONSTRUCTION EQUIPMENT ACCESS TO TOP OF THE OGEE SPILLWAY.
 - NOTCH TOP OF OGEE SPILLWAY. SEE SHEET C-104 FOR DIMENSIONS AND ELEVATIONS OF NOTCH.
 - STOCKPILE CONCRETE AND EMBANKMENT CUT MATERIAL IN SPOIL PILE.

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Client/Project
INDIANA DEPARTMENT OF
NATURAL RESOURCES

VERSAILLES DAM
30% DESIGN
RIPLEY COUNTY, INDIANA

Project No.: 173411095

File Name: 11095C-DEMO

Scale: AS NOTED

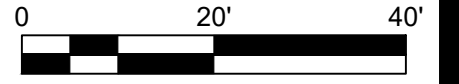
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DEMOLITION SECTIONS
(PHASE 1 - STEP 1)

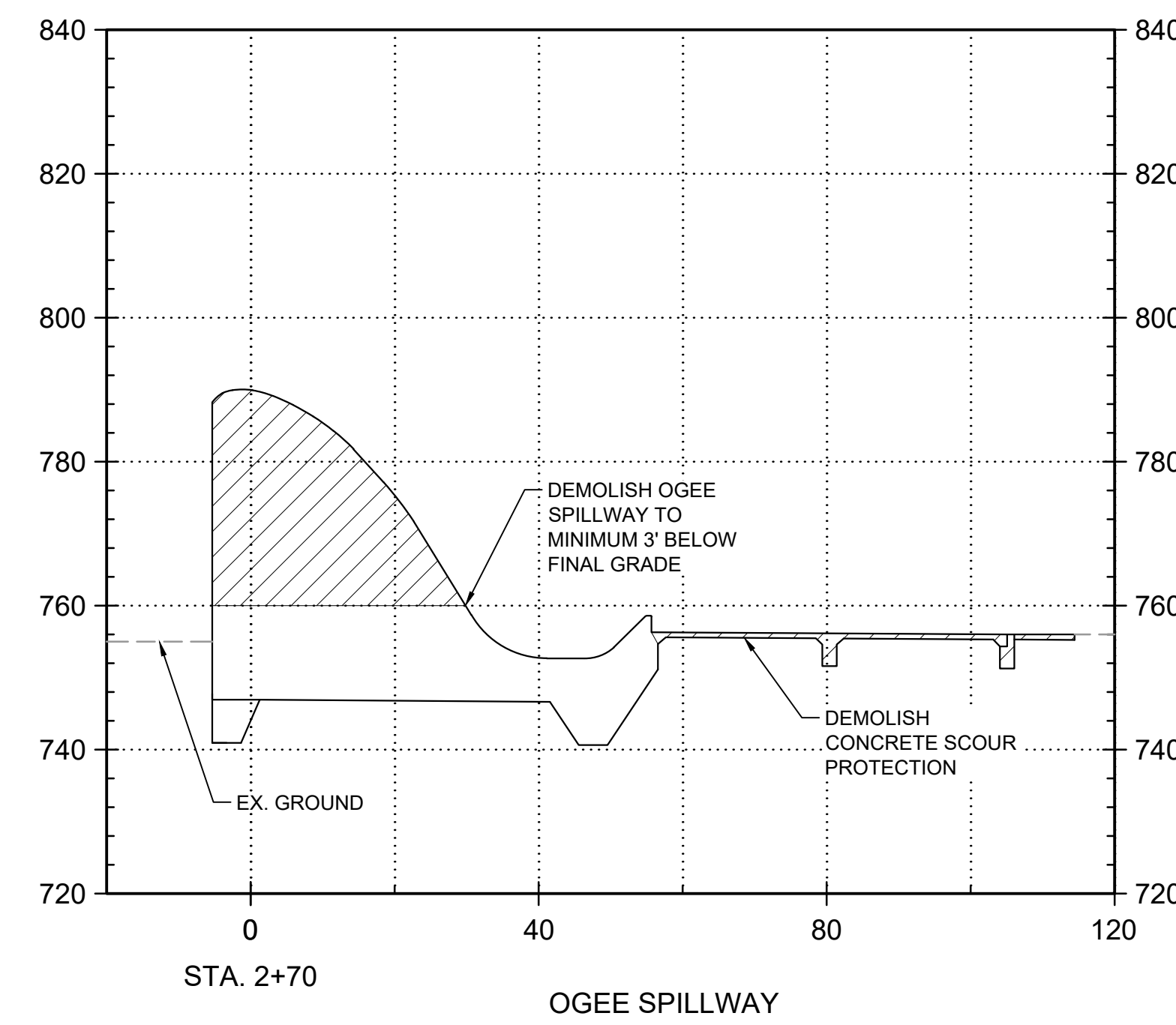
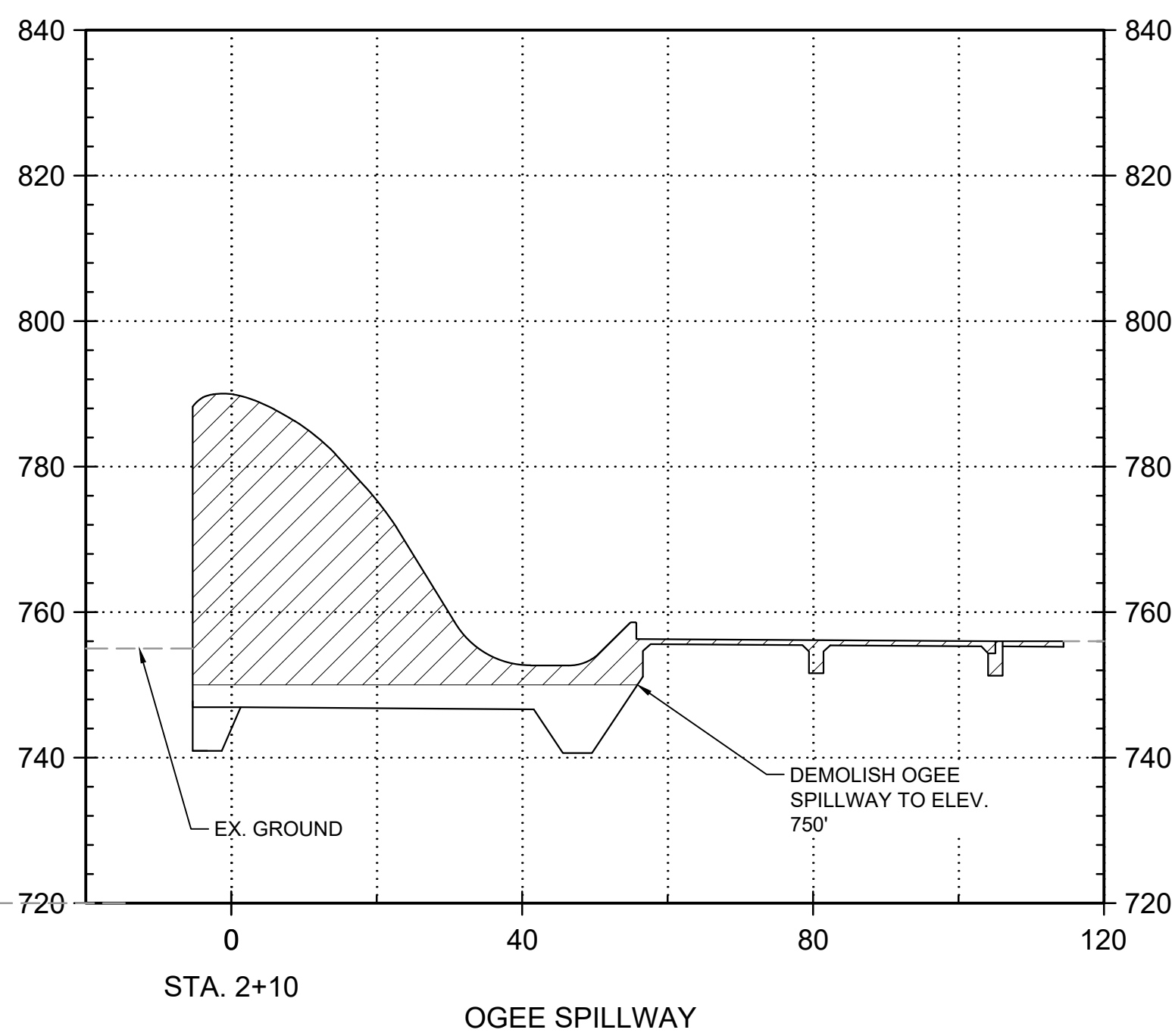
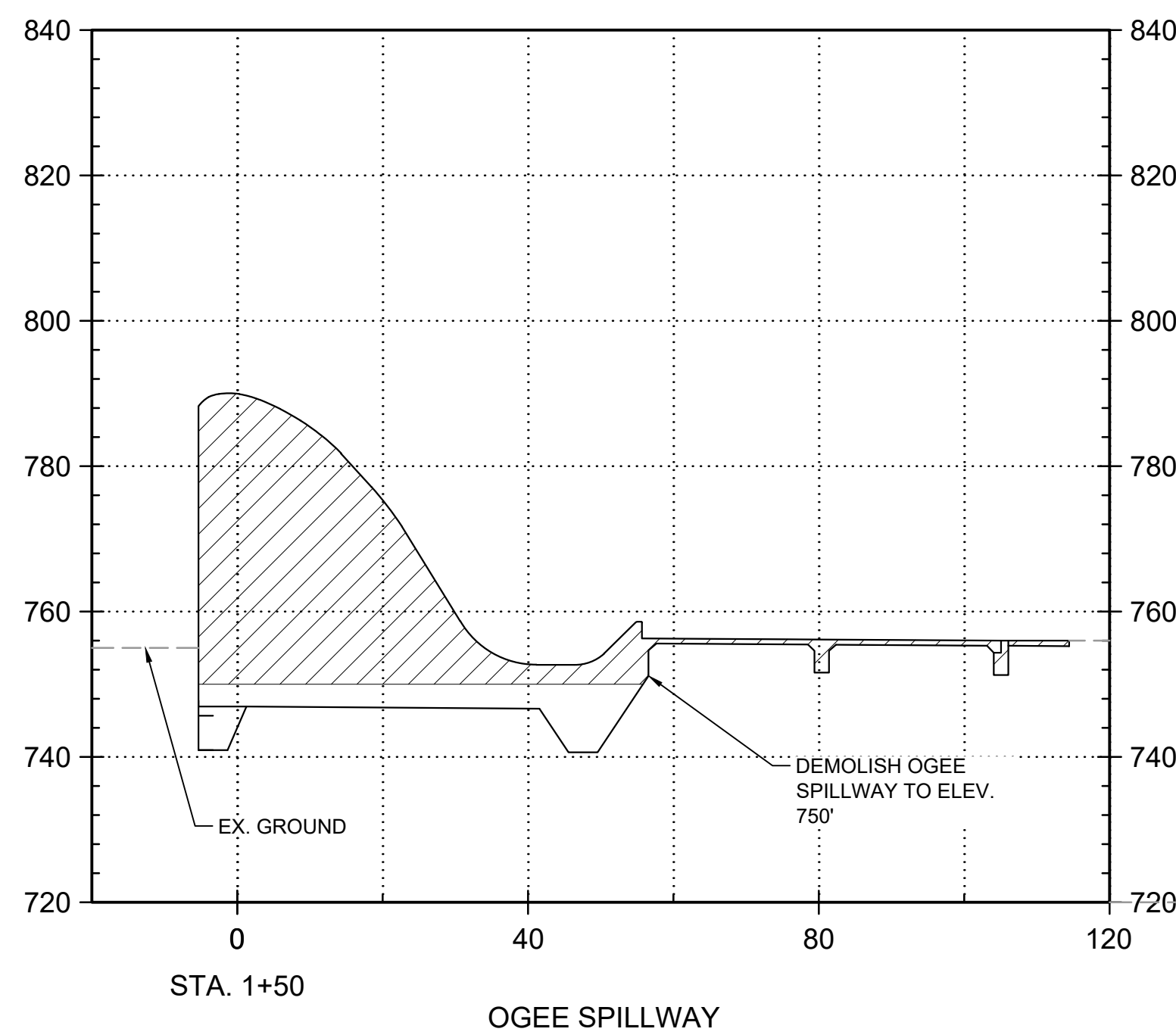
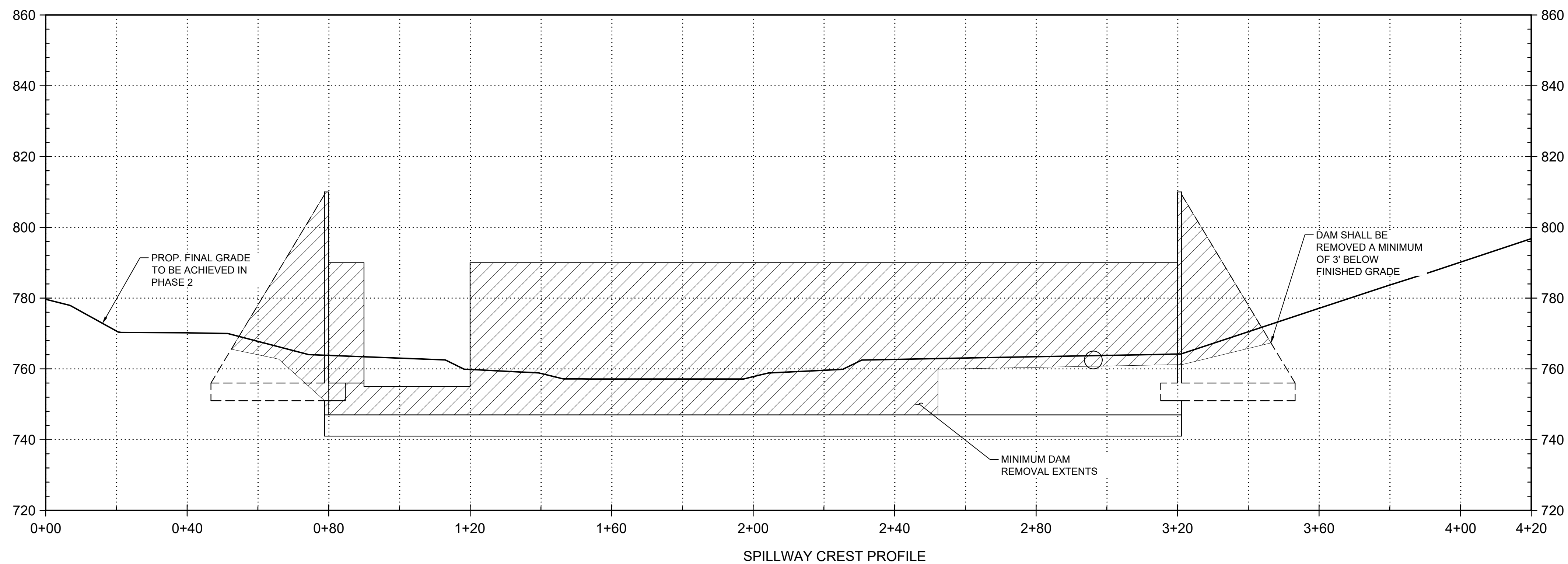
Revision: Sheet: 6 of 38

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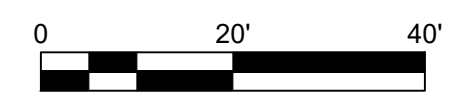
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Project No.: 173411095
 File Name: 11095C-DEMO
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Title
 DEMOLITION SECTIONS 1
 (PHASE 1 - STEP 3)

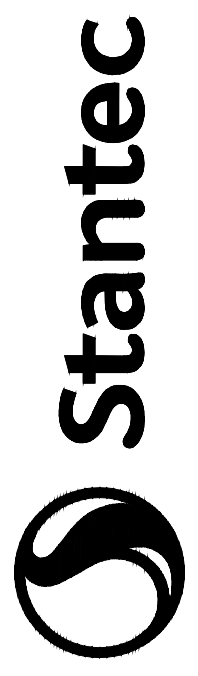
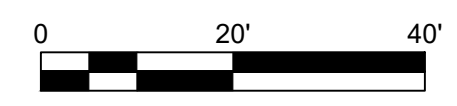
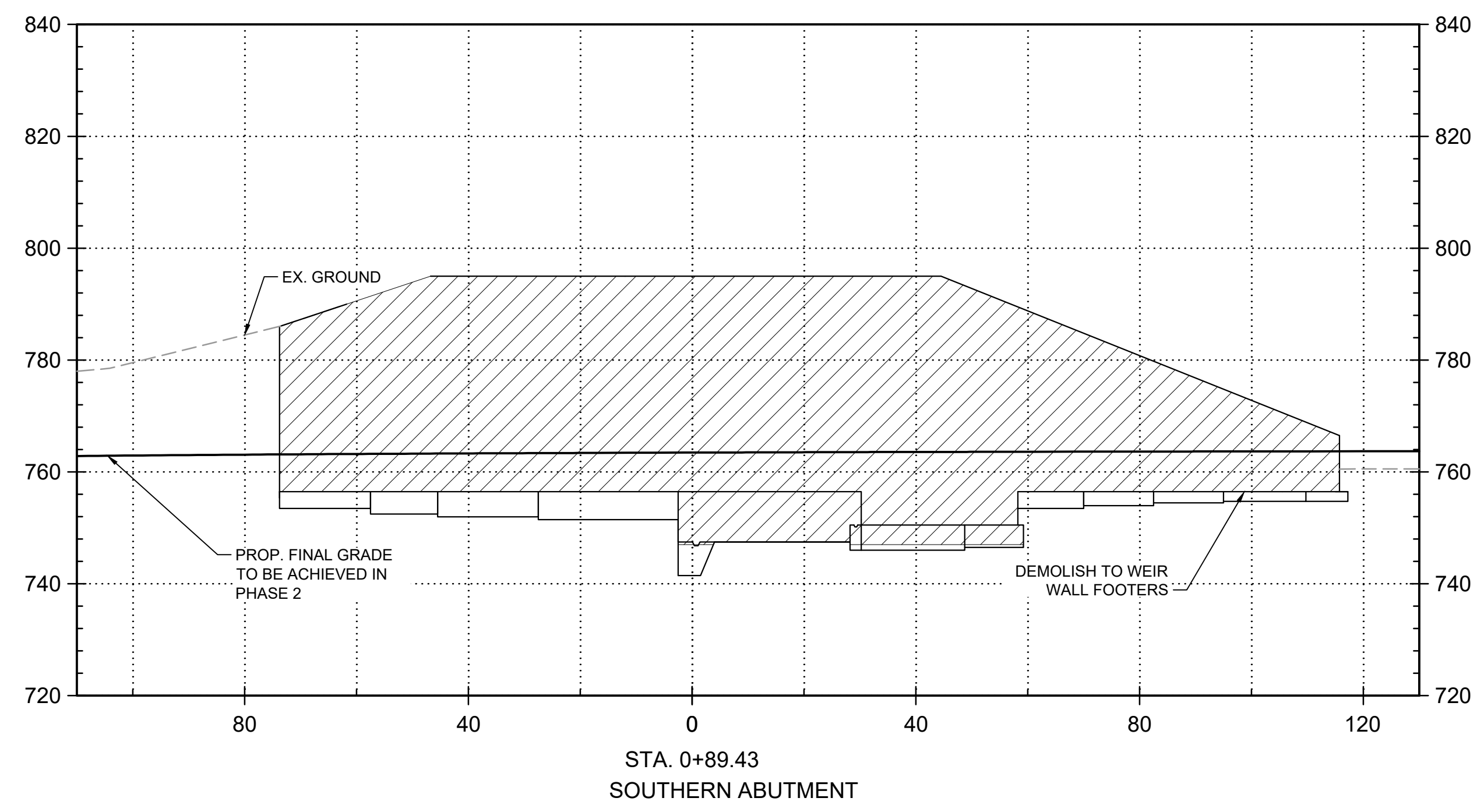
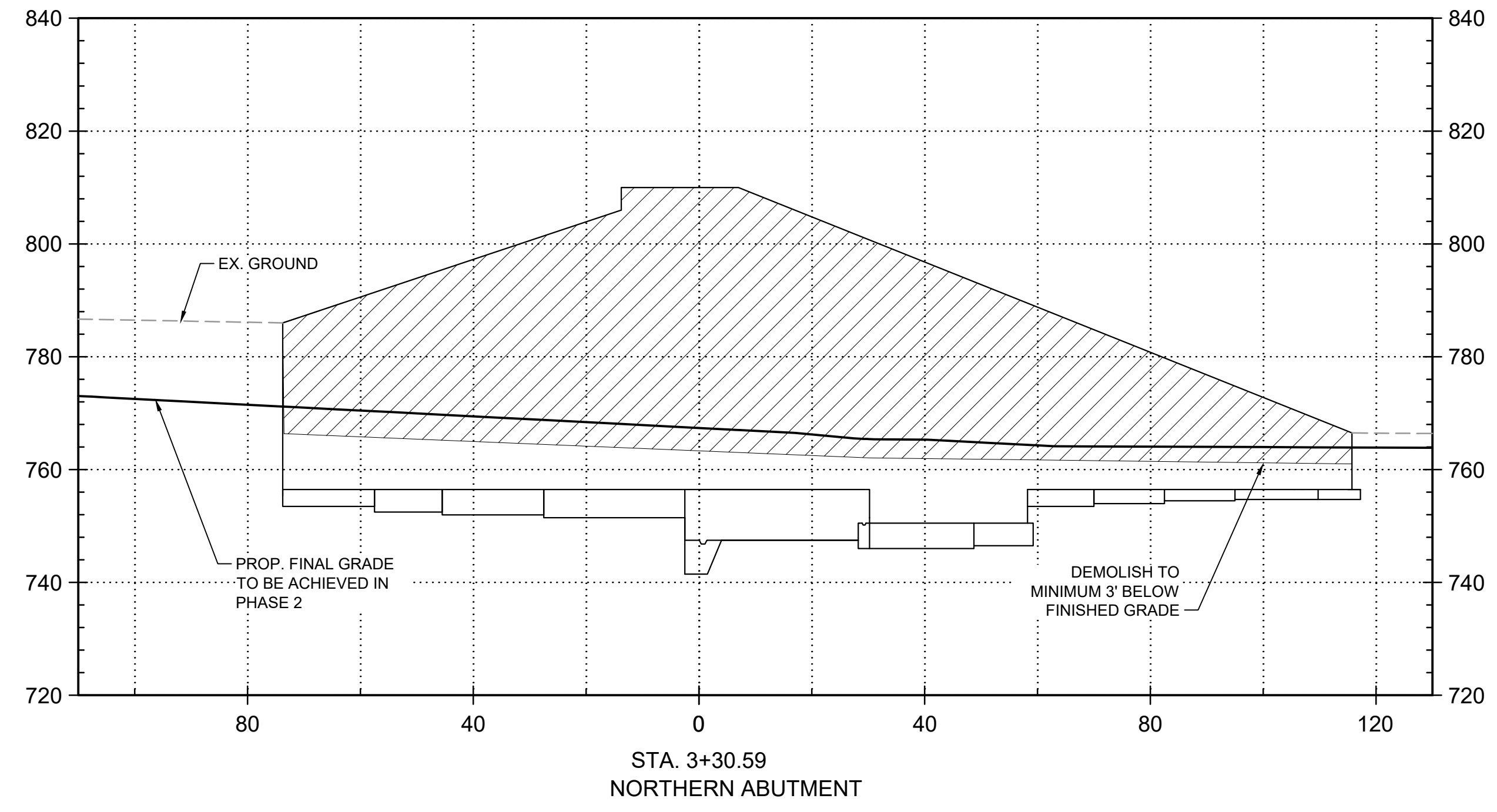
Revision: Sheet: 10 of 38
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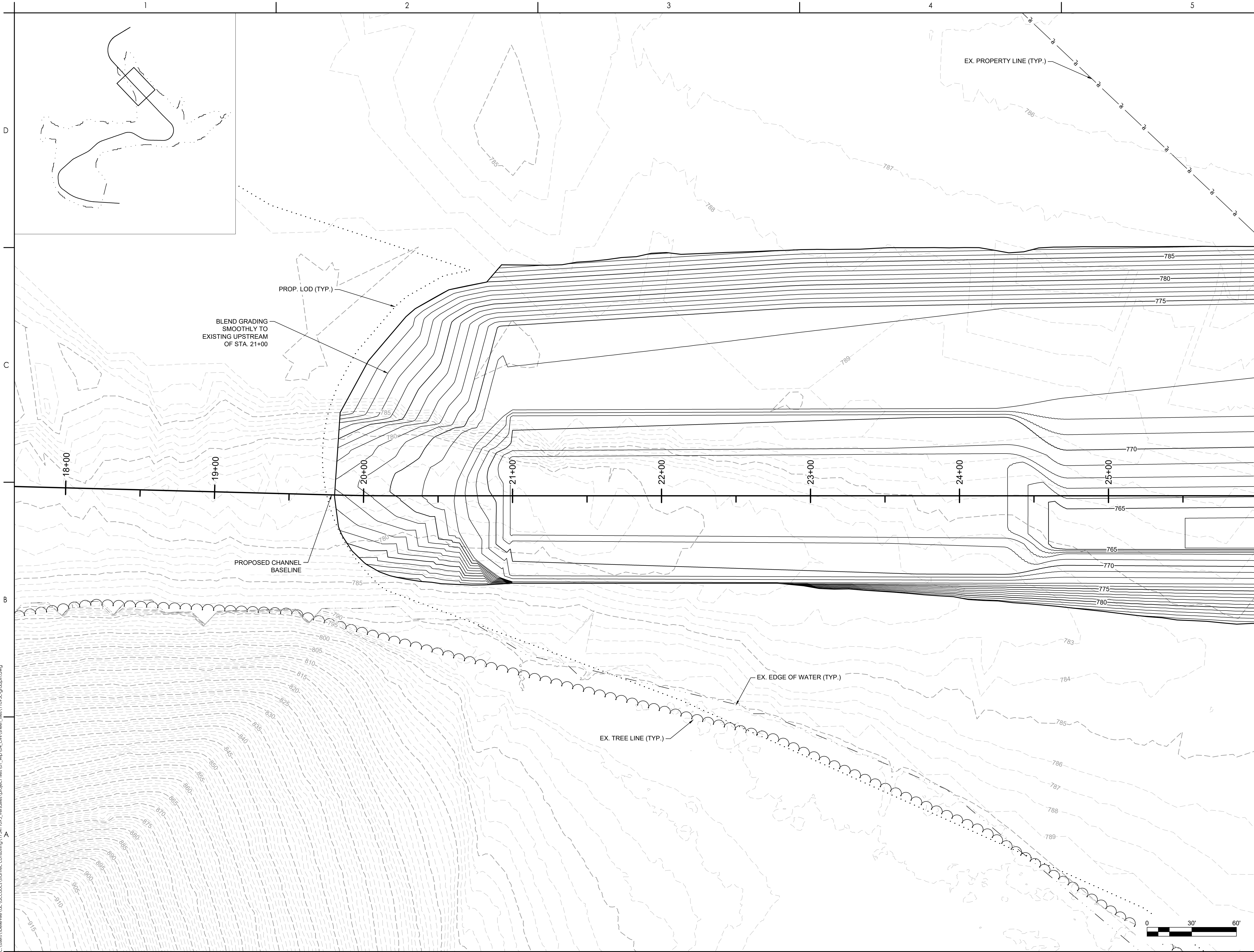
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 (PHASE 1 - STEP 3)

Revision: Sheet: 11 of 38

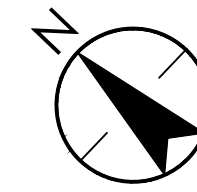
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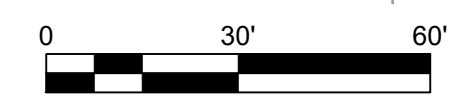
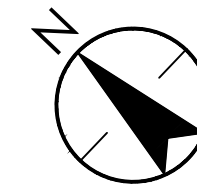
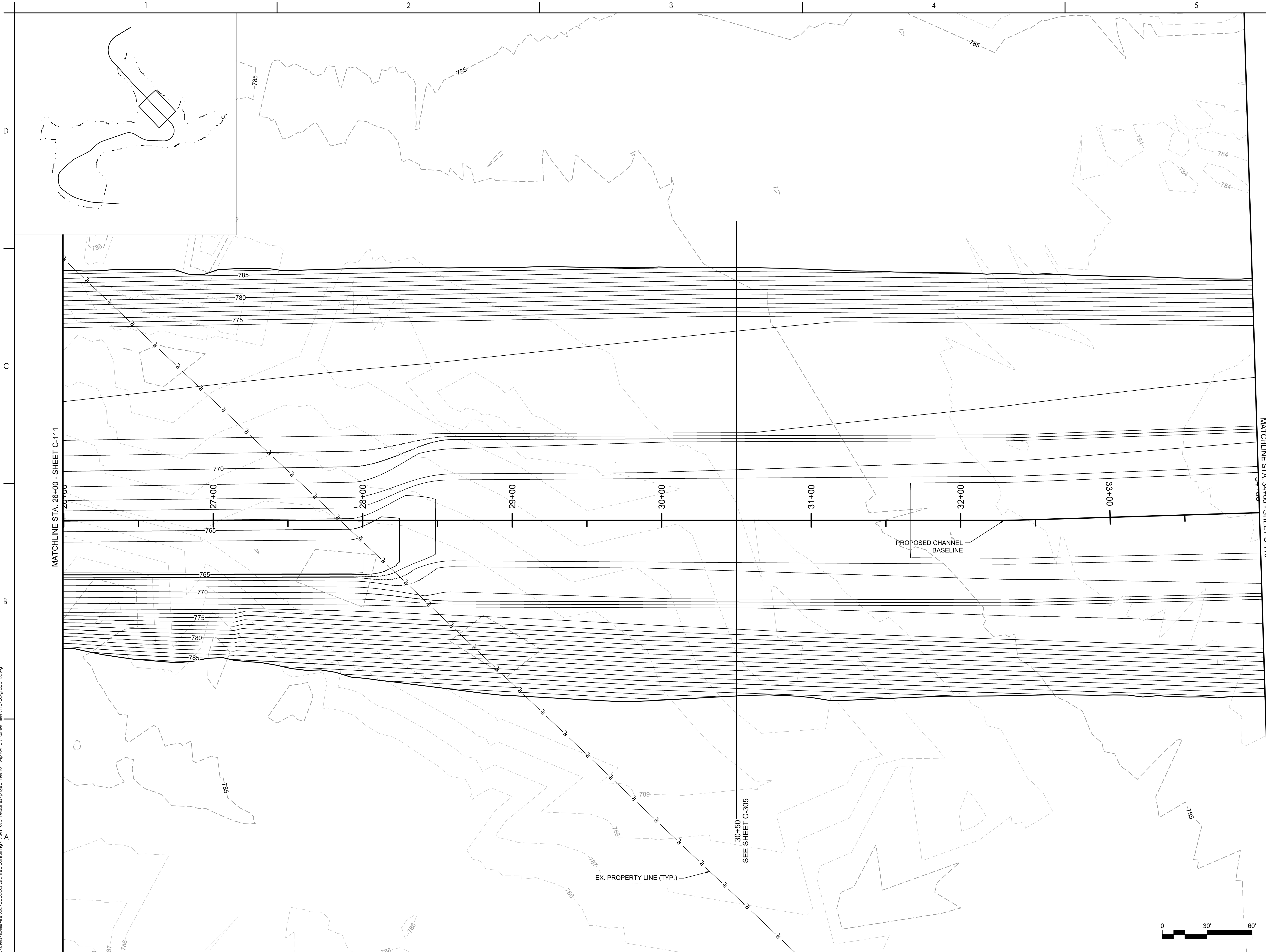
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Title
 GRADING PLAN 1

Revision: Sheet: 13 of 38
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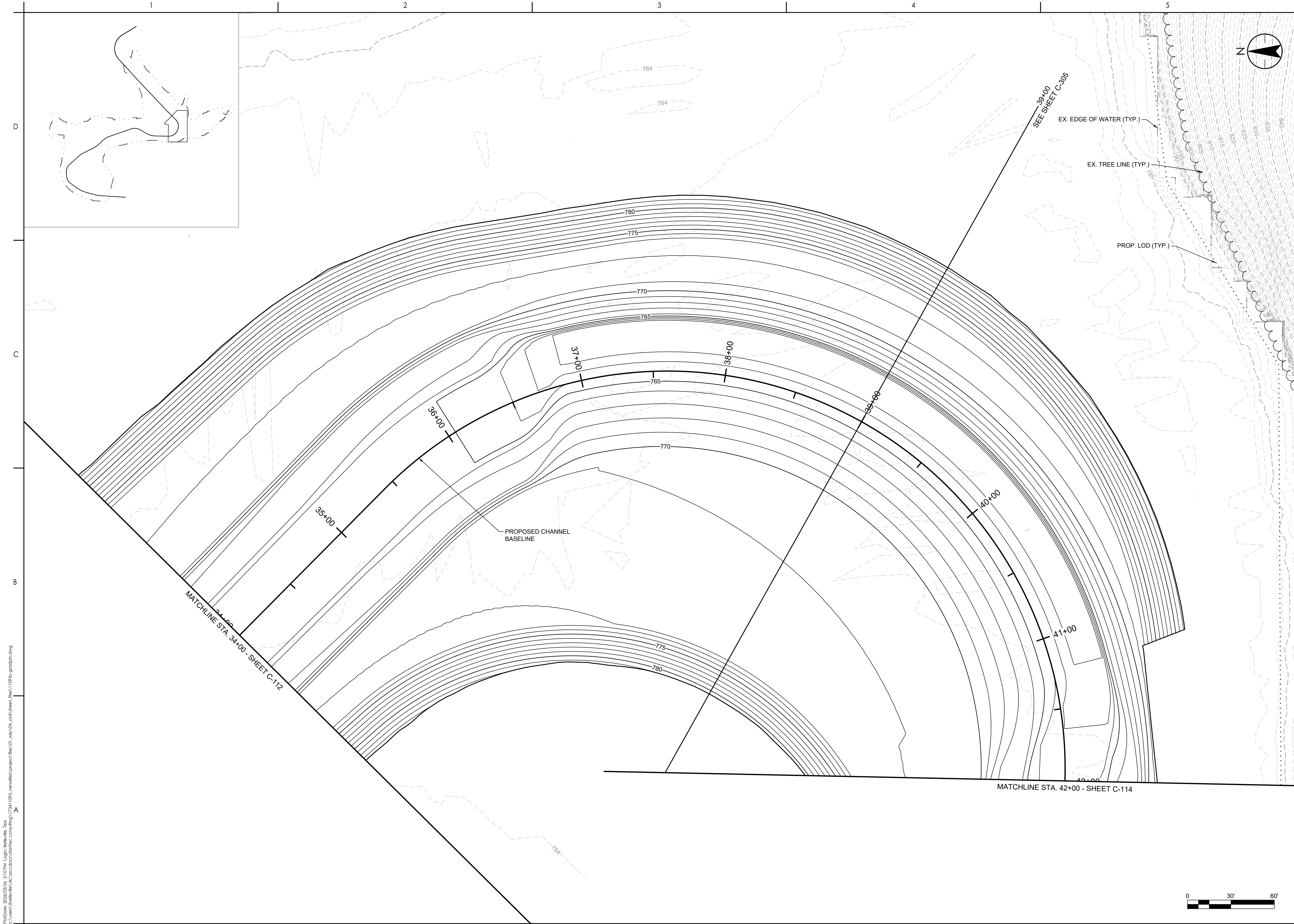
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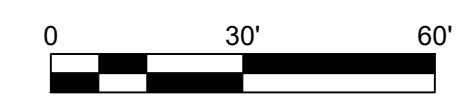
Revision: Sheet: 14 of 38
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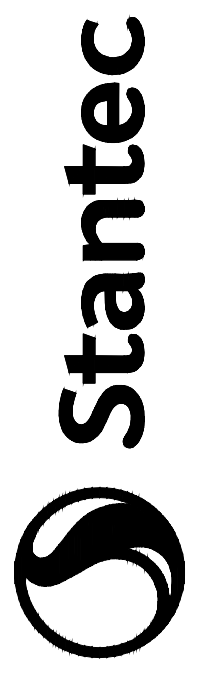
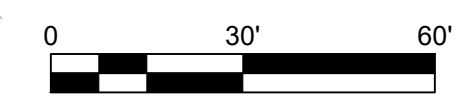
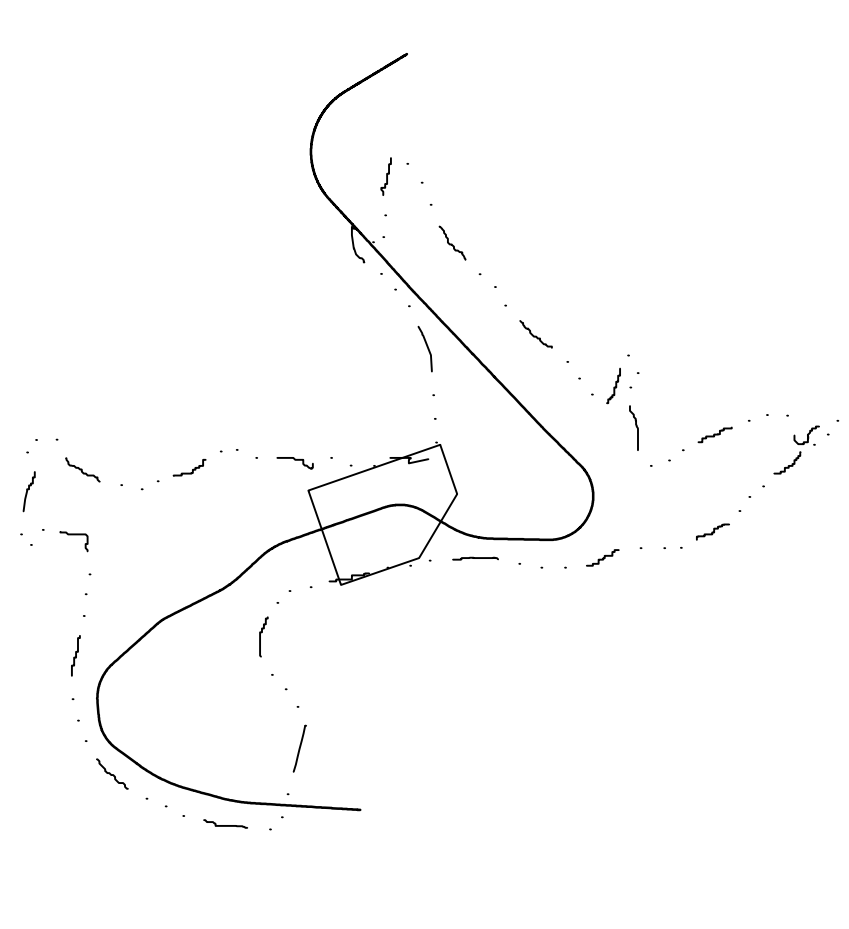
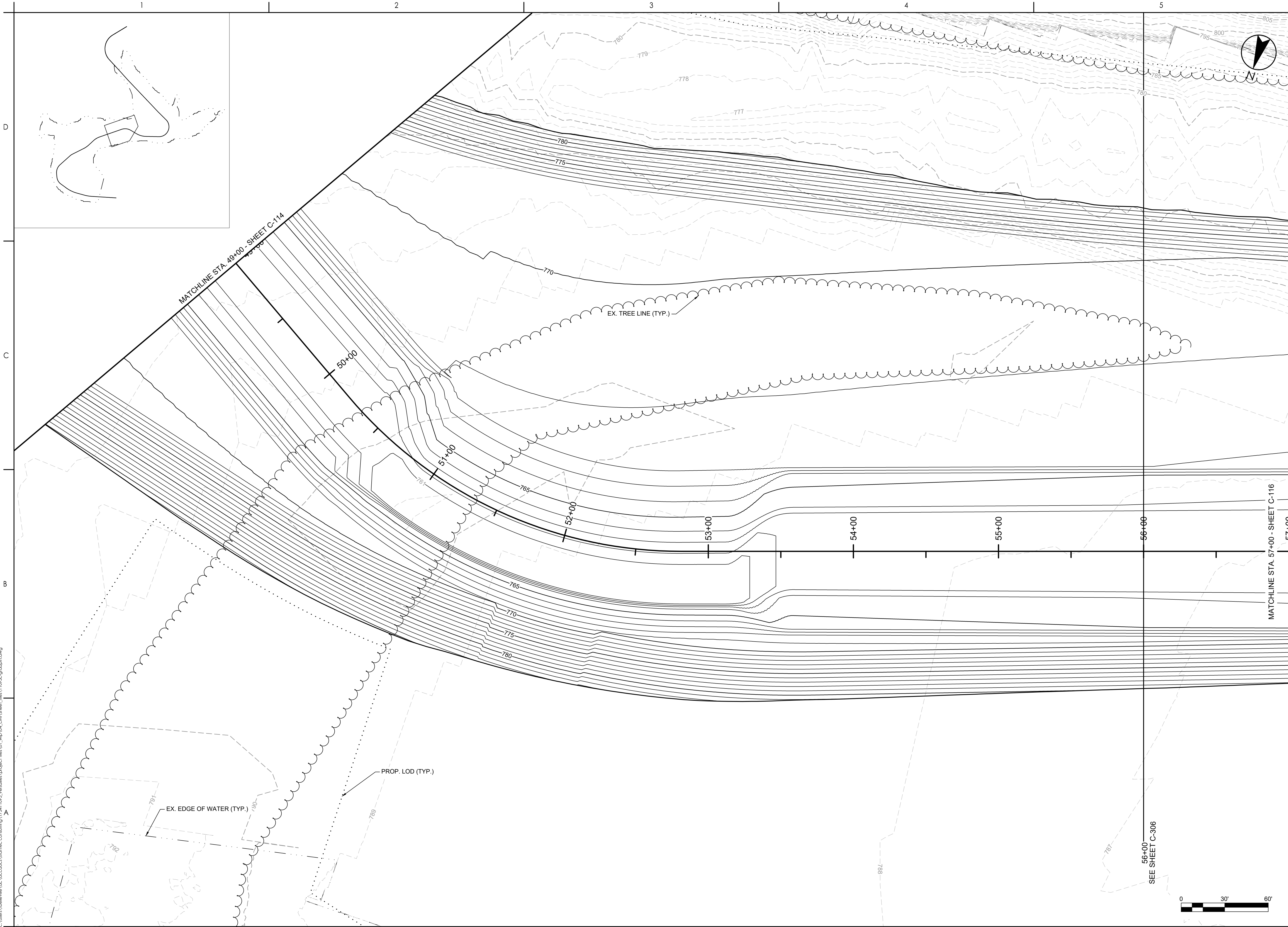
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Title
GRADING PLAN 3

Revision: Sheet: 15 of 38
 Drawing No.

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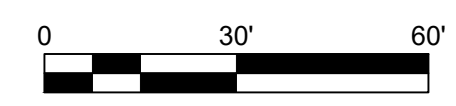
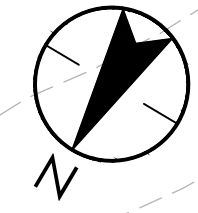
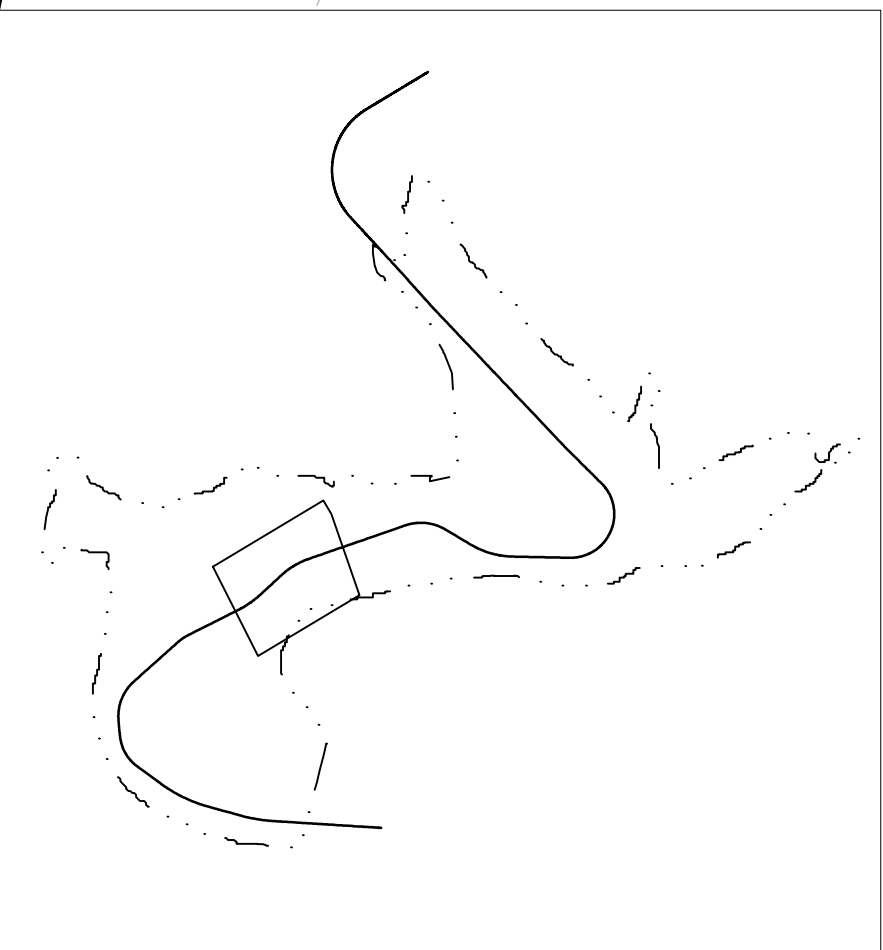
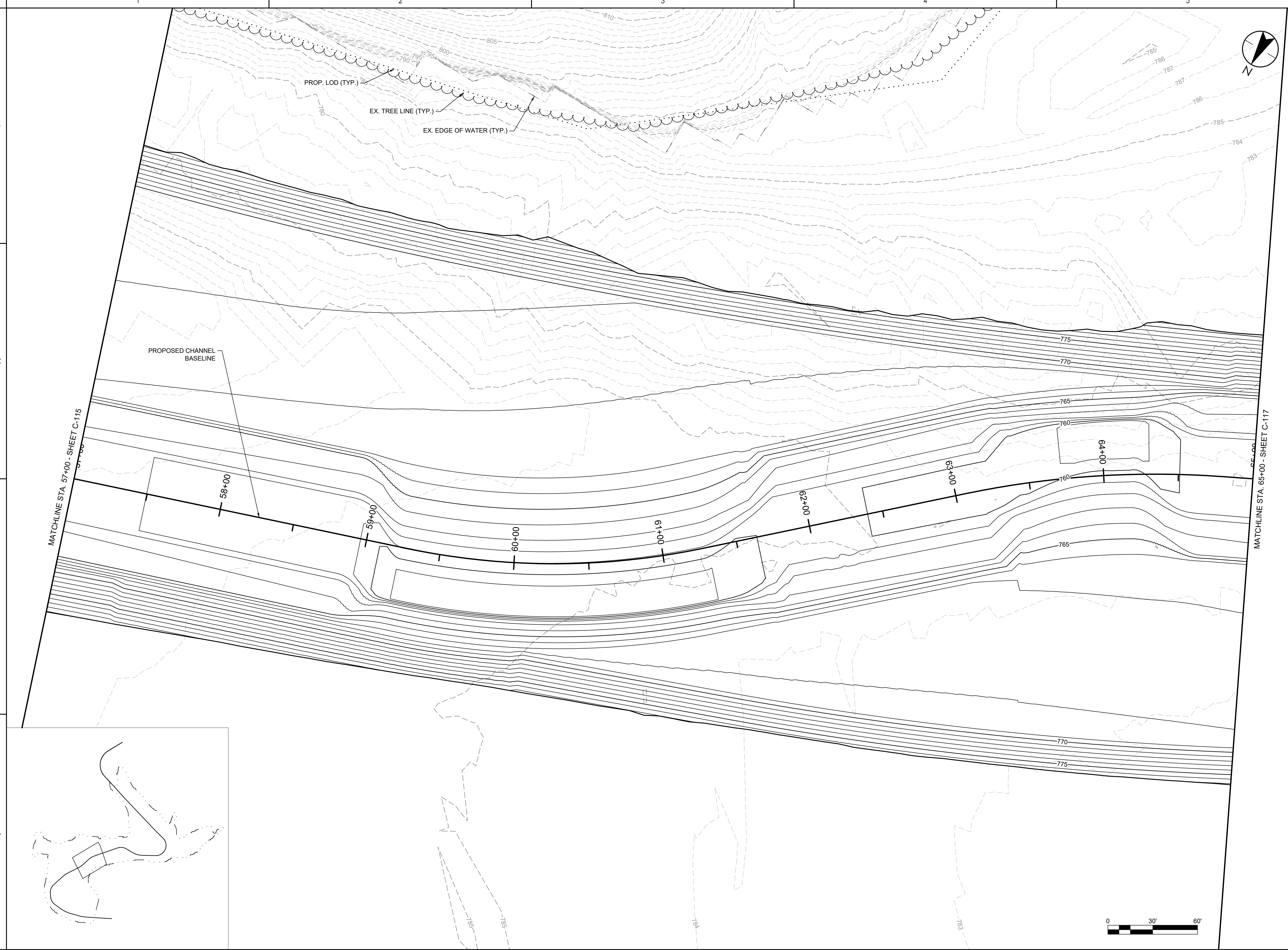
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Title
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Revision: Sheet: 17 of 38
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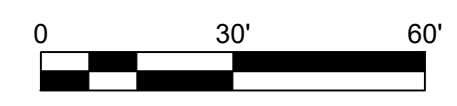
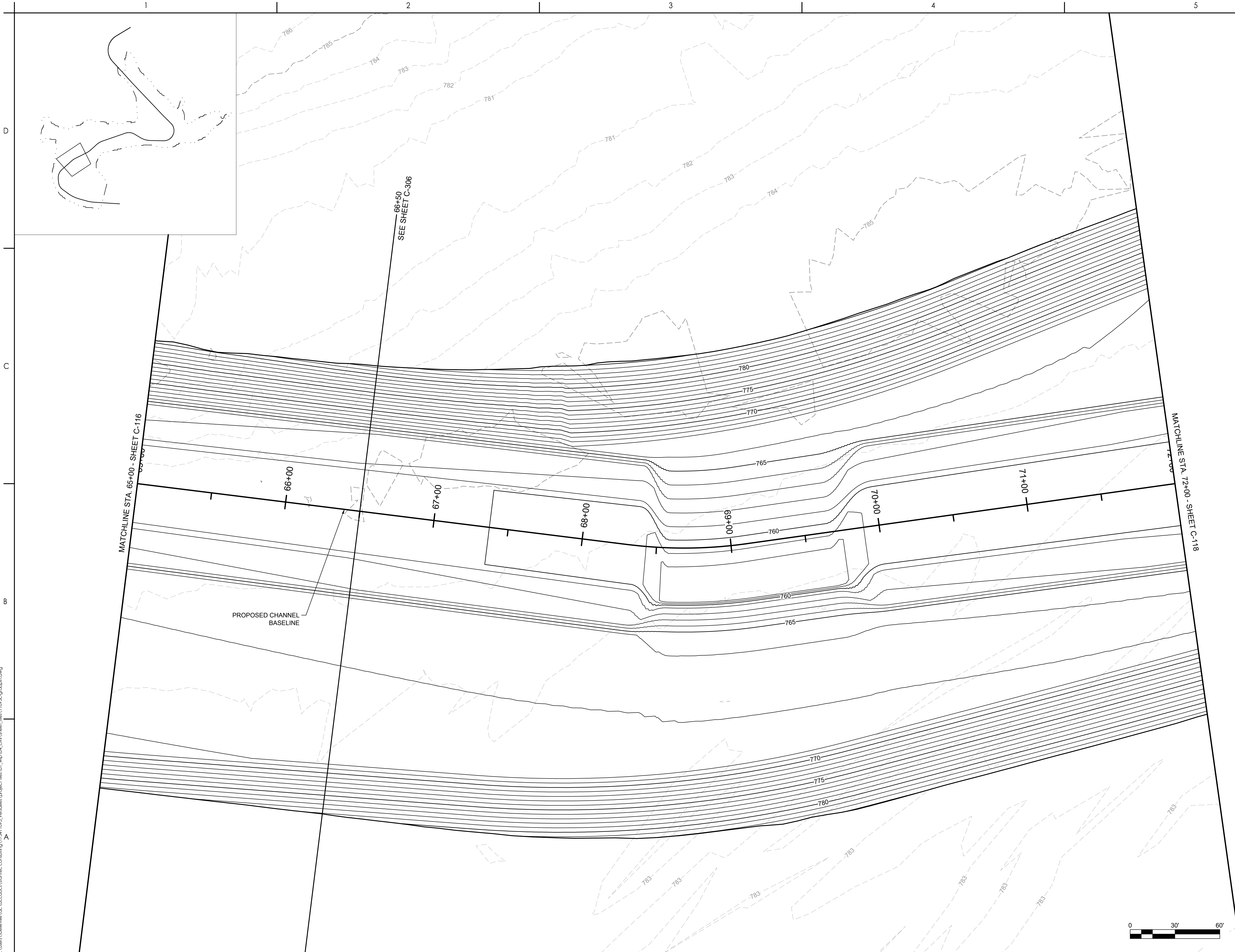
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Title
 GRADING PLAN 6

Revision: Sheet: 18 of 38
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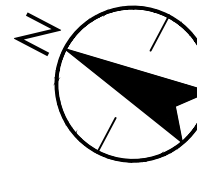
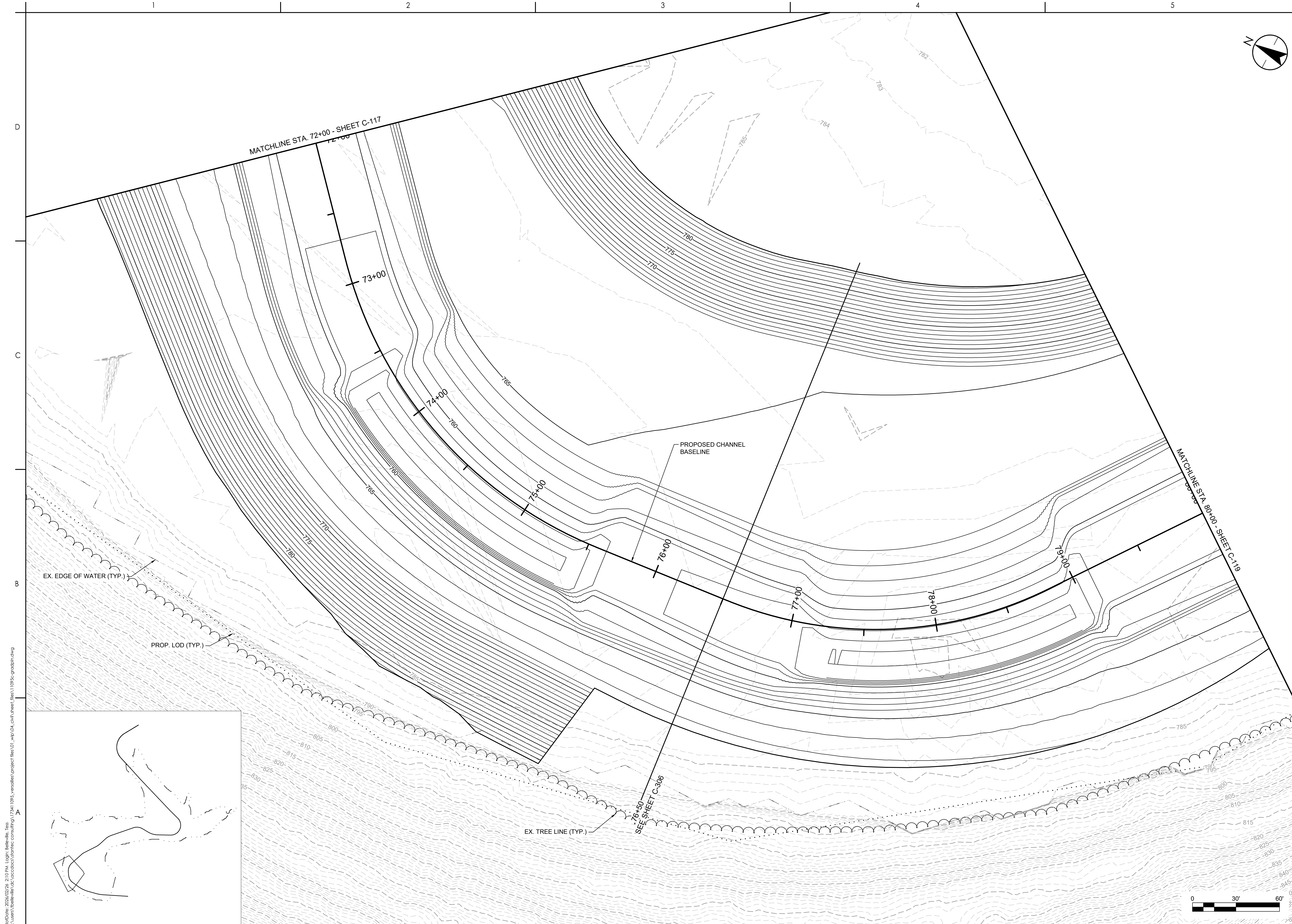
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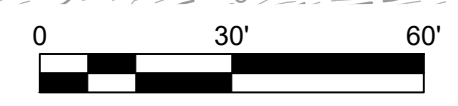
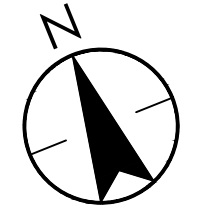
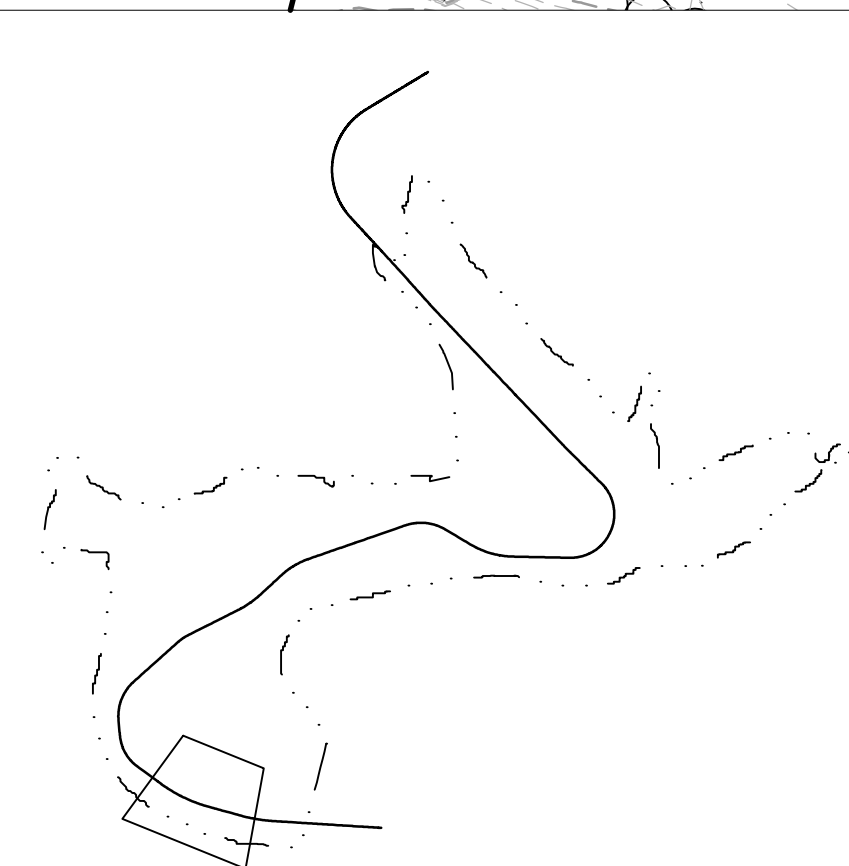
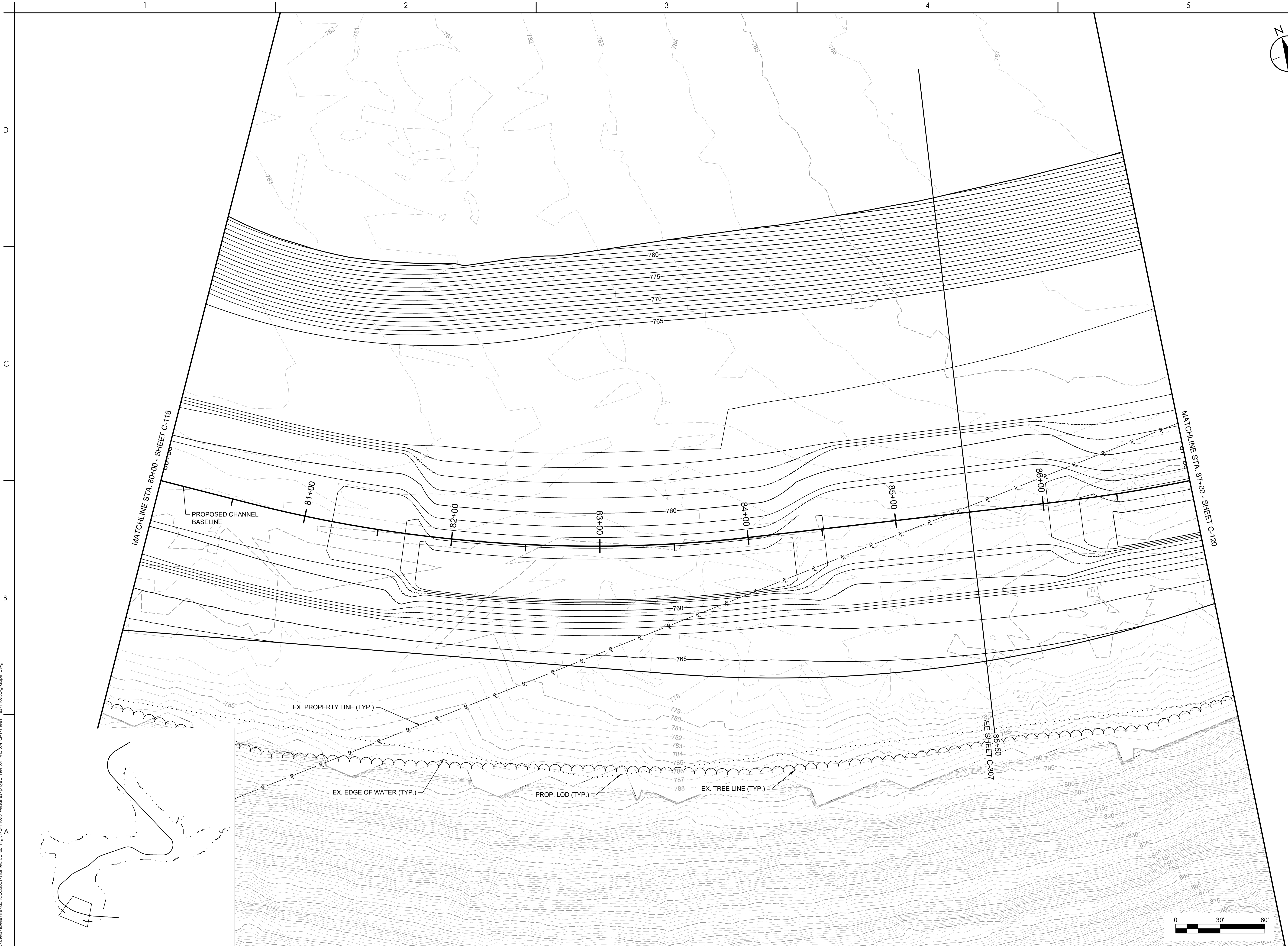
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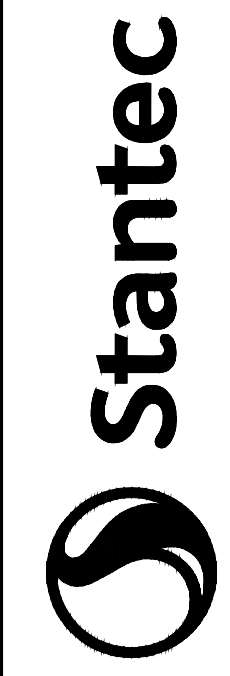
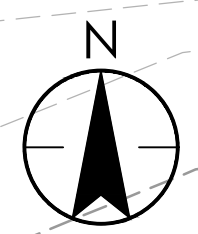
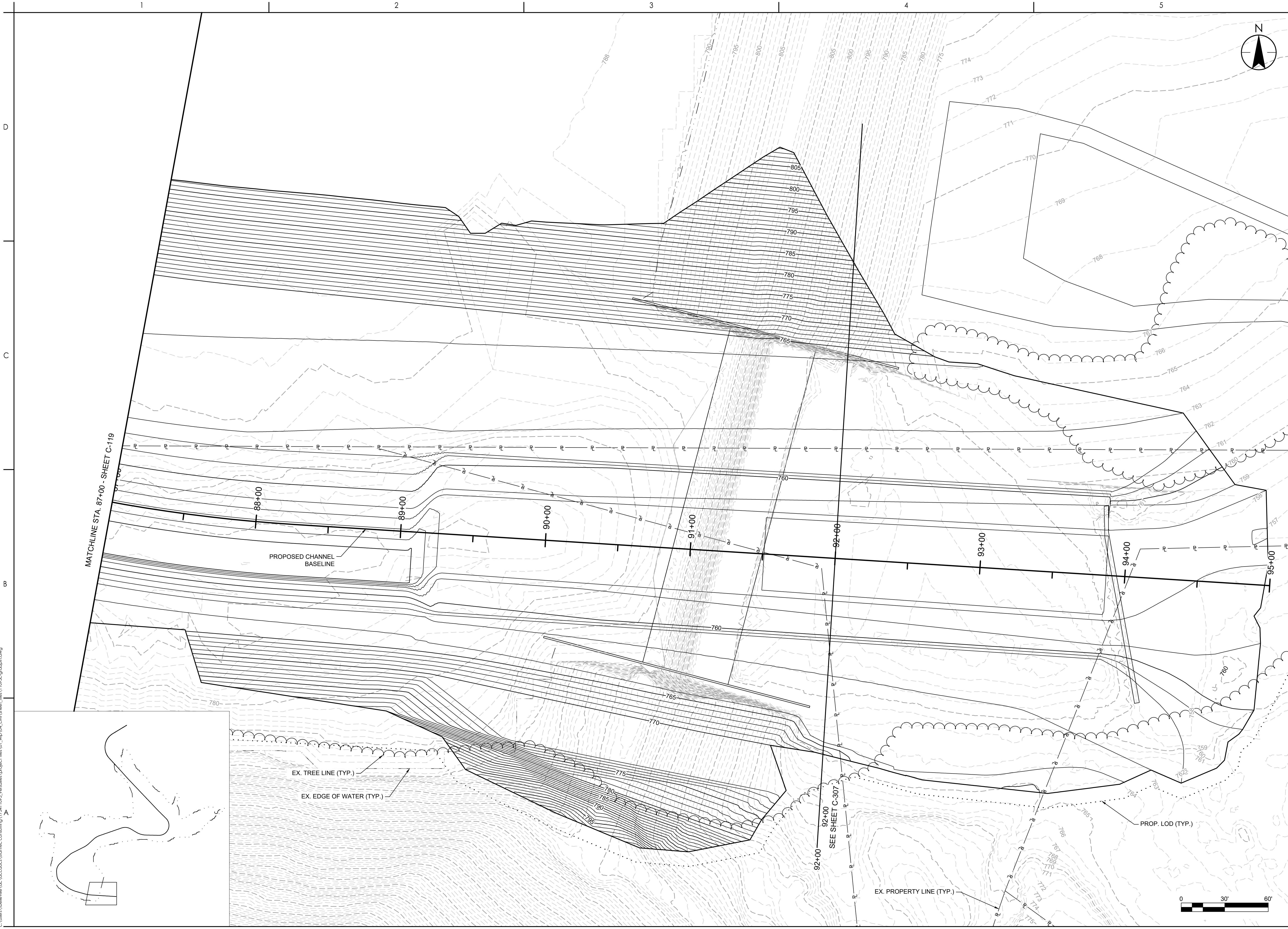
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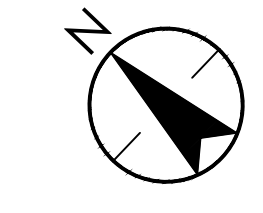
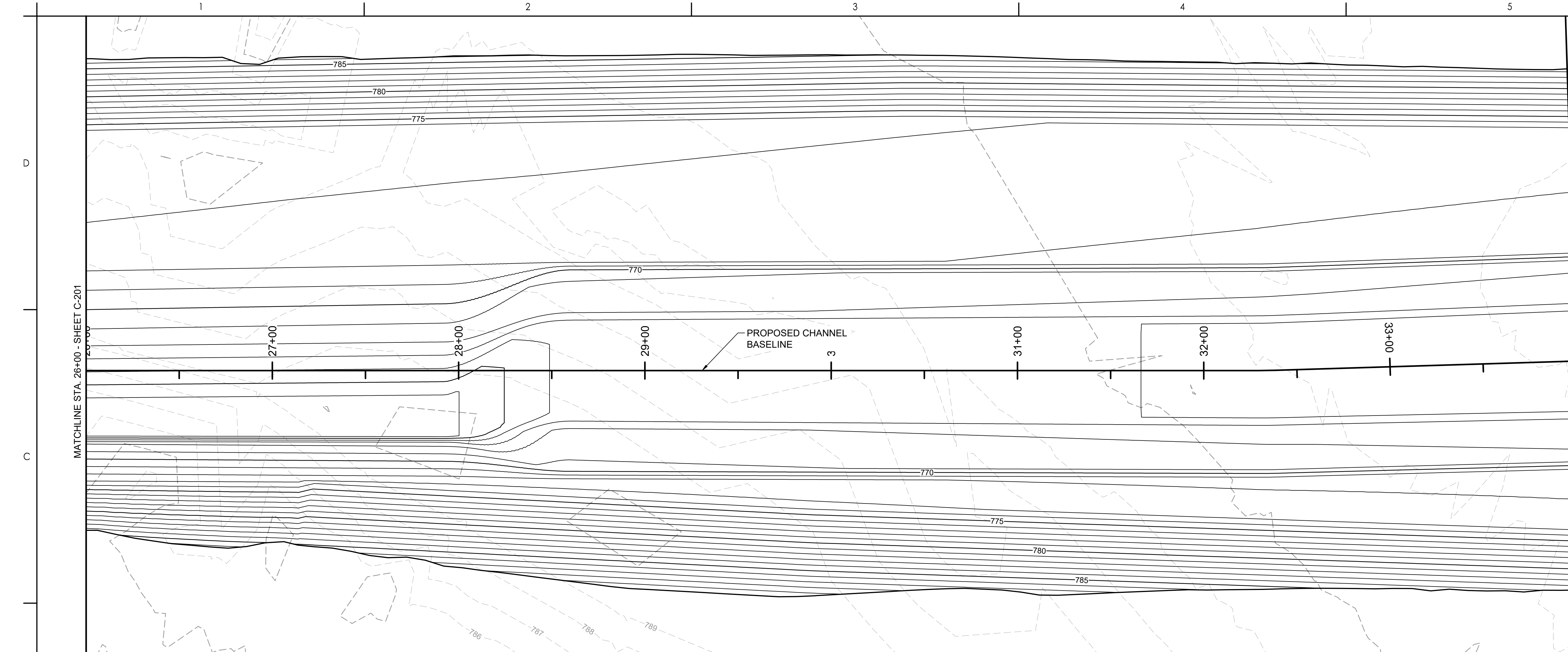
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Revision: Sheet: 22 of 38
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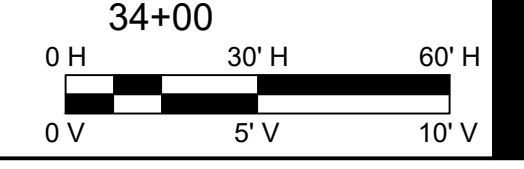
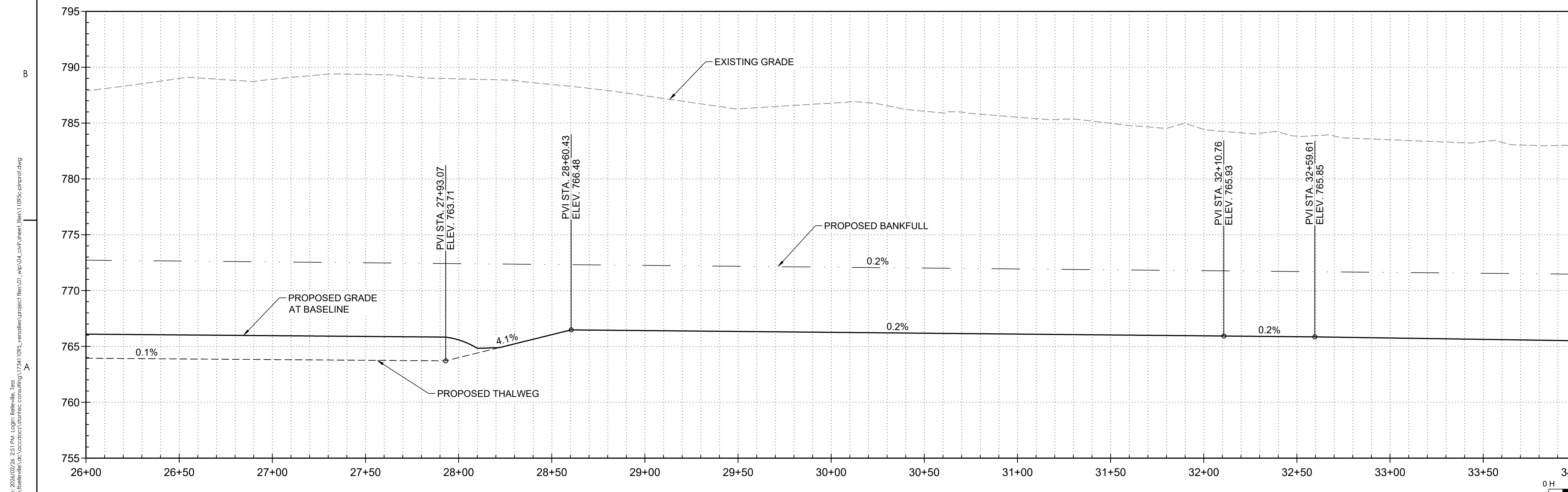
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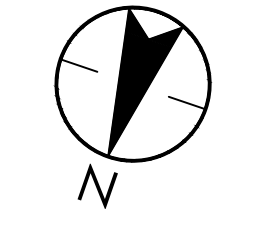
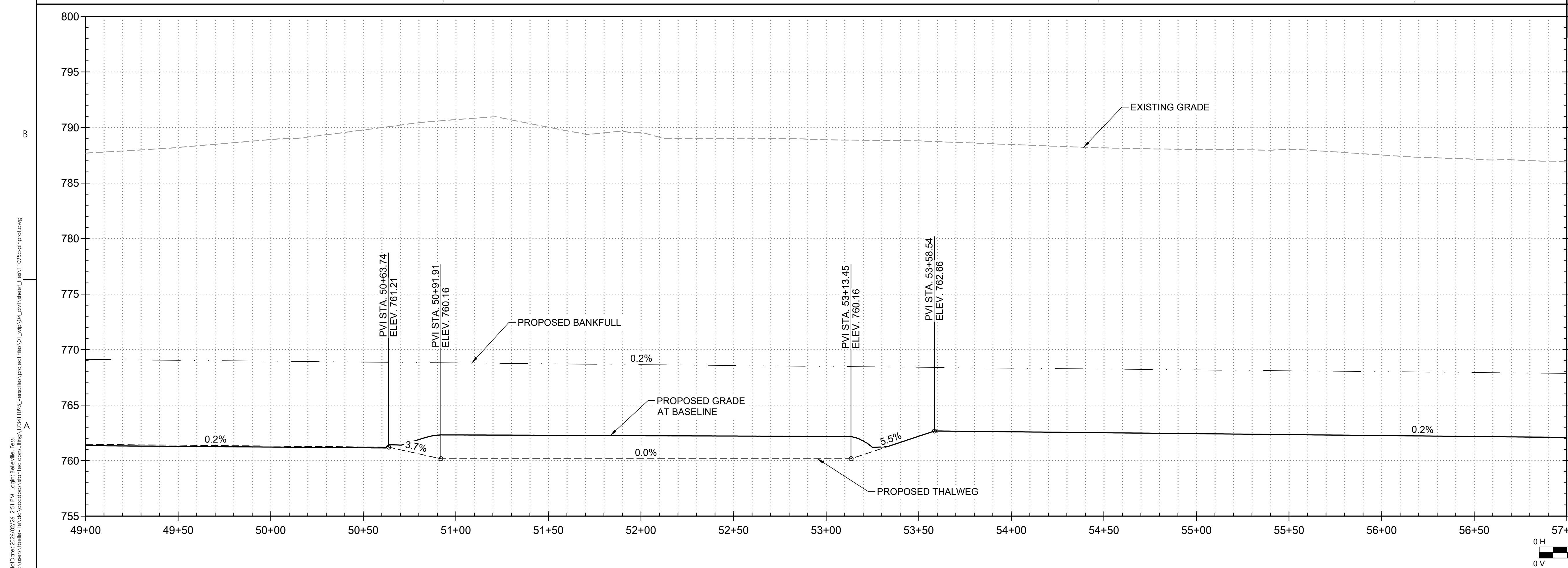
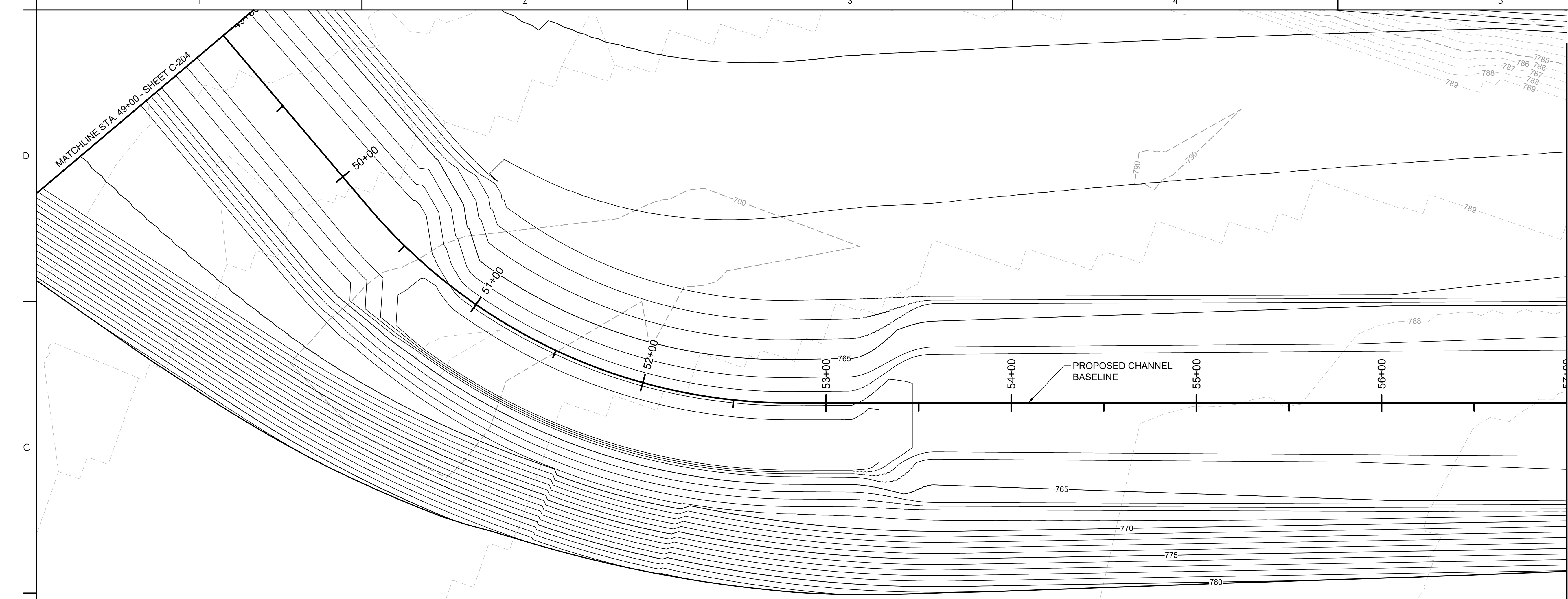
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Revision: Sheet: 24 of 38
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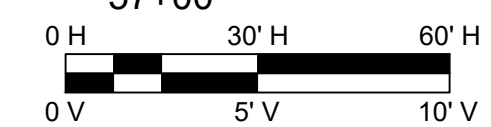
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 VERSAILLES DAM
 30% DESIGN
 RIPLEY COUNTY, INDIANA

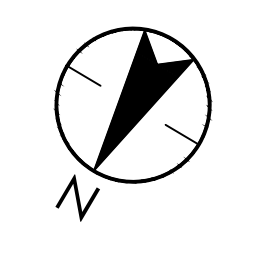
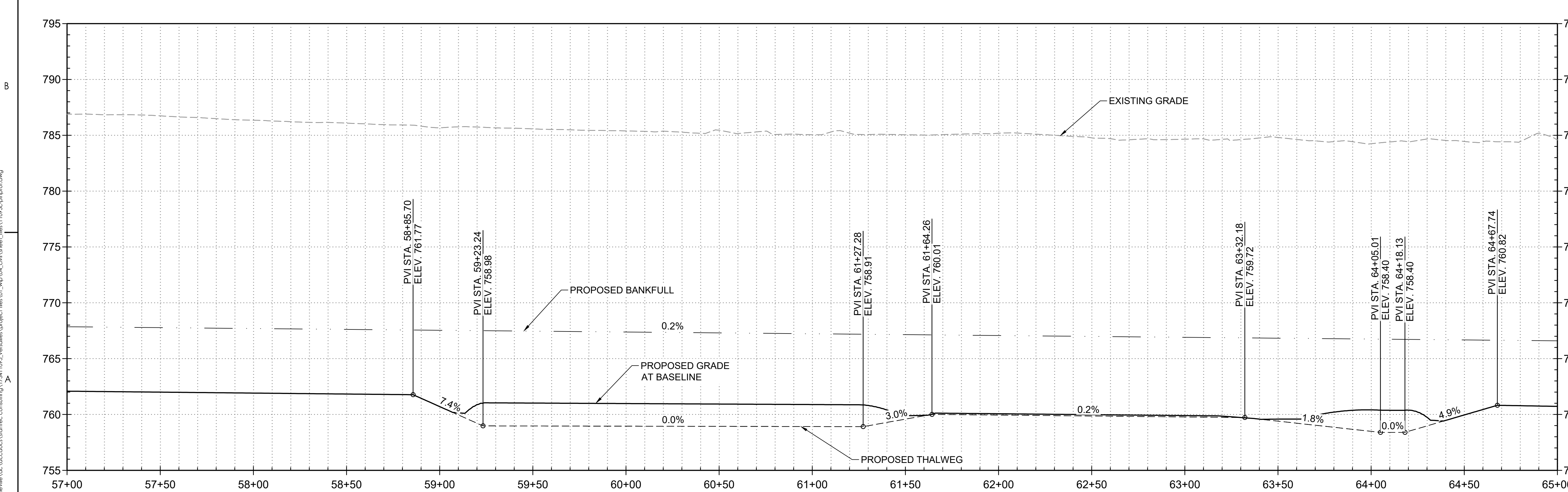
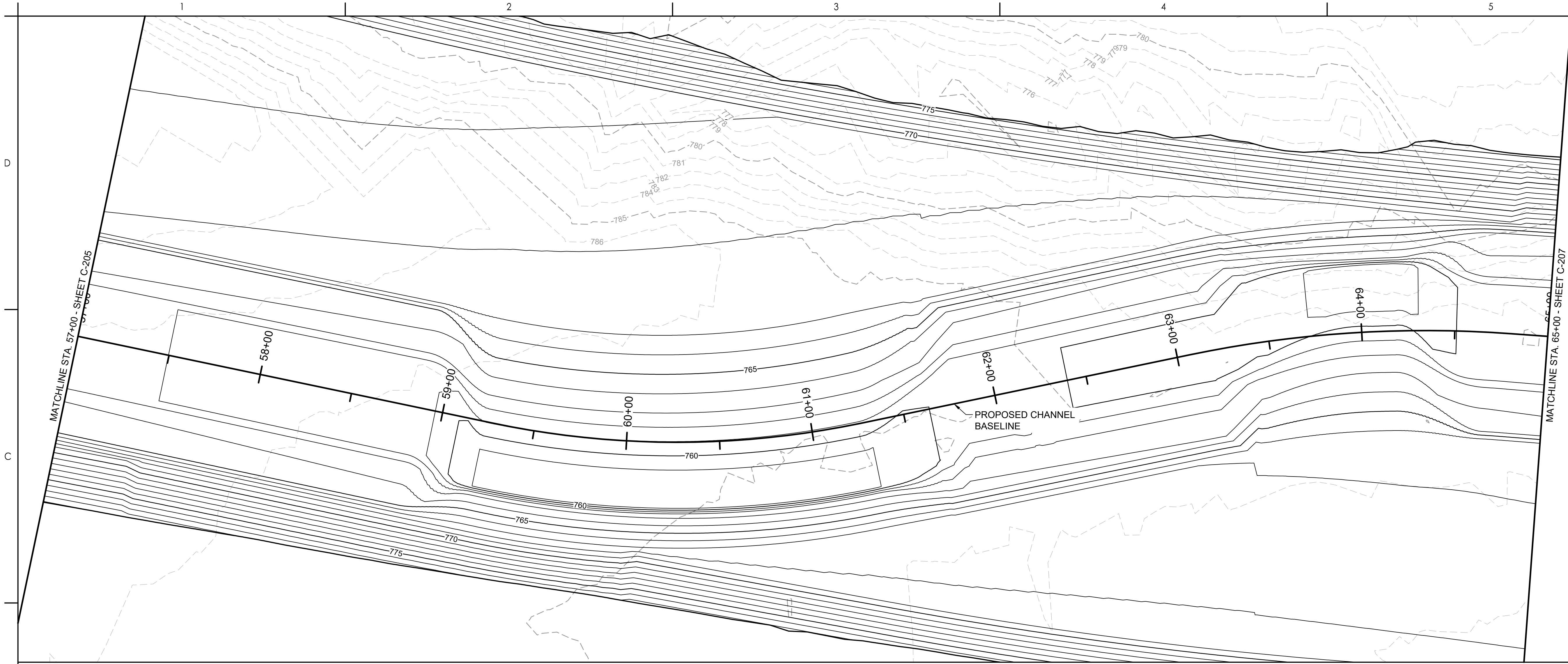
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Title
PLAN & PROFILE 5

Revision: Sheet: 27 of 38
 Drawing No.



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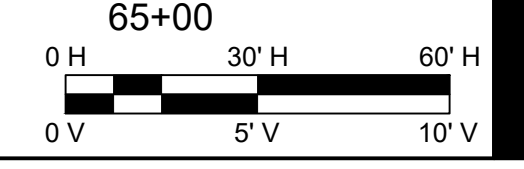
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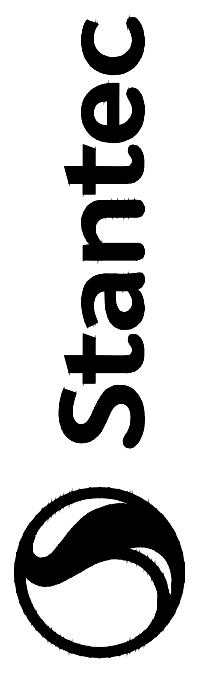
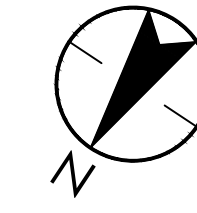
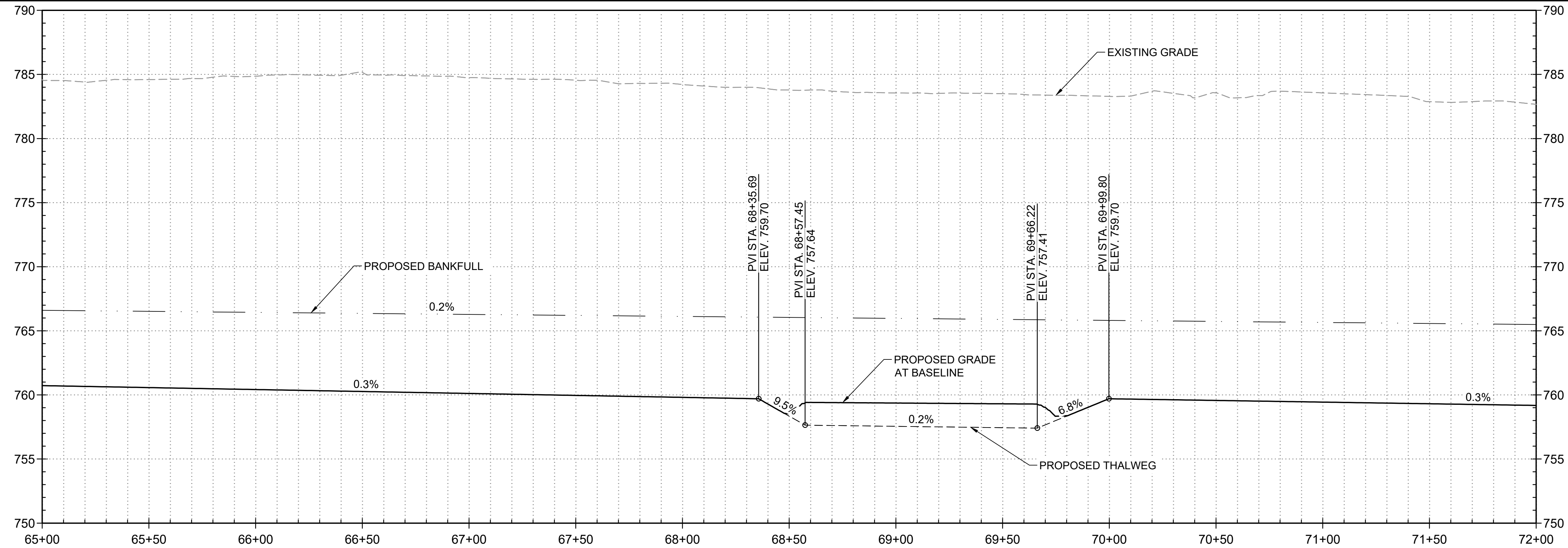
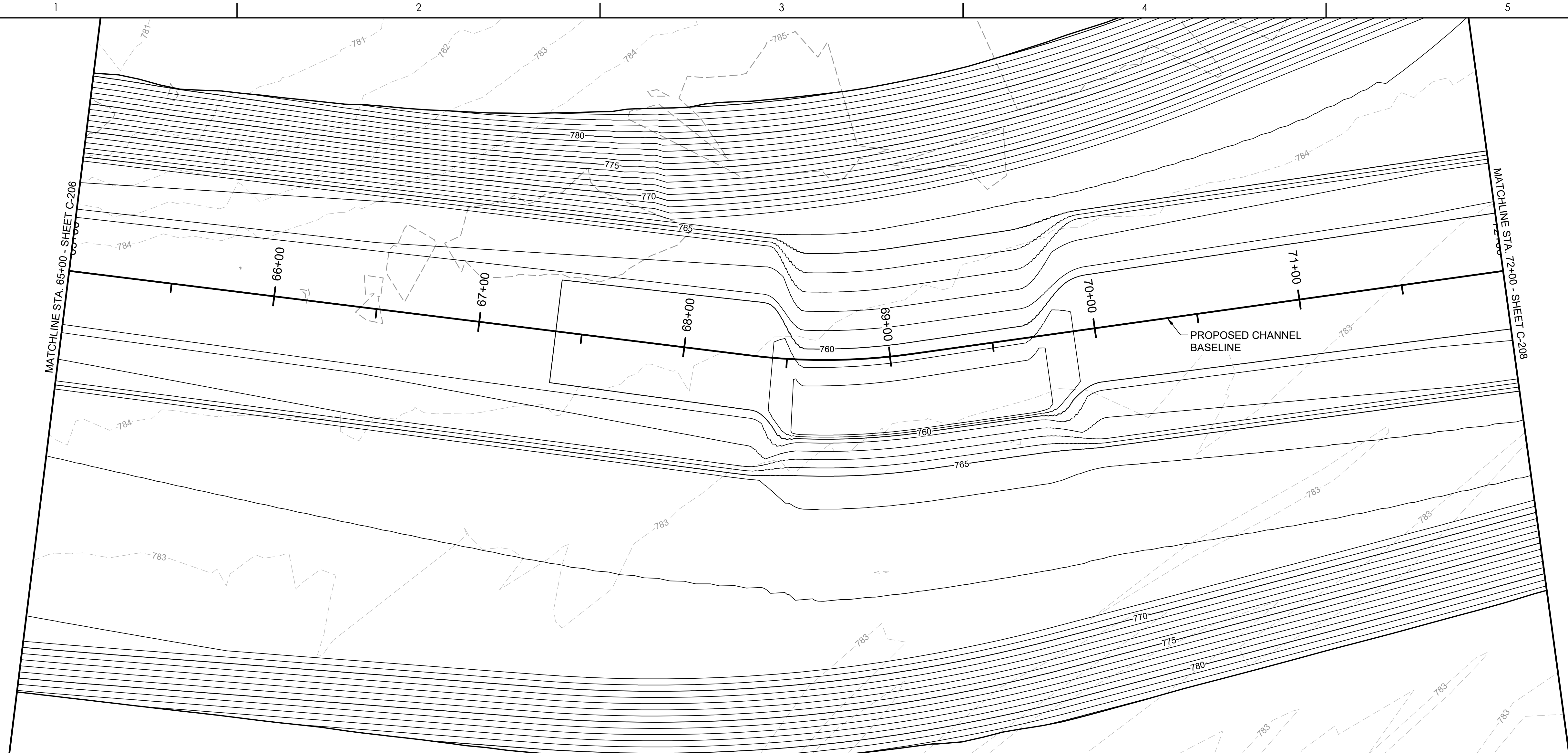
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Title
PLAN & PROFILE 6

Revision: Sheet: 28 of 38
 Drawing No.



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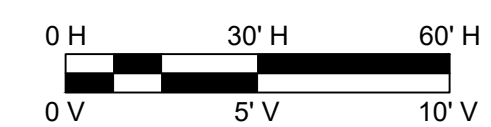
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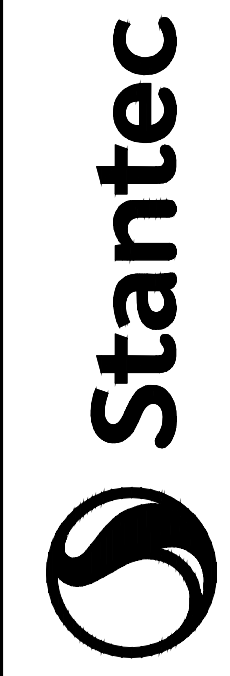
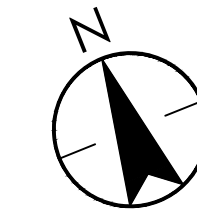
Title
PLAN & PROFILE 7

Revision: Sheet: 29 of 38
 Drawing No.



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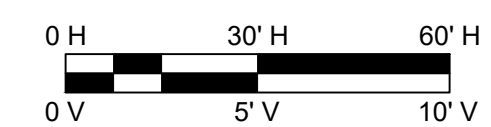
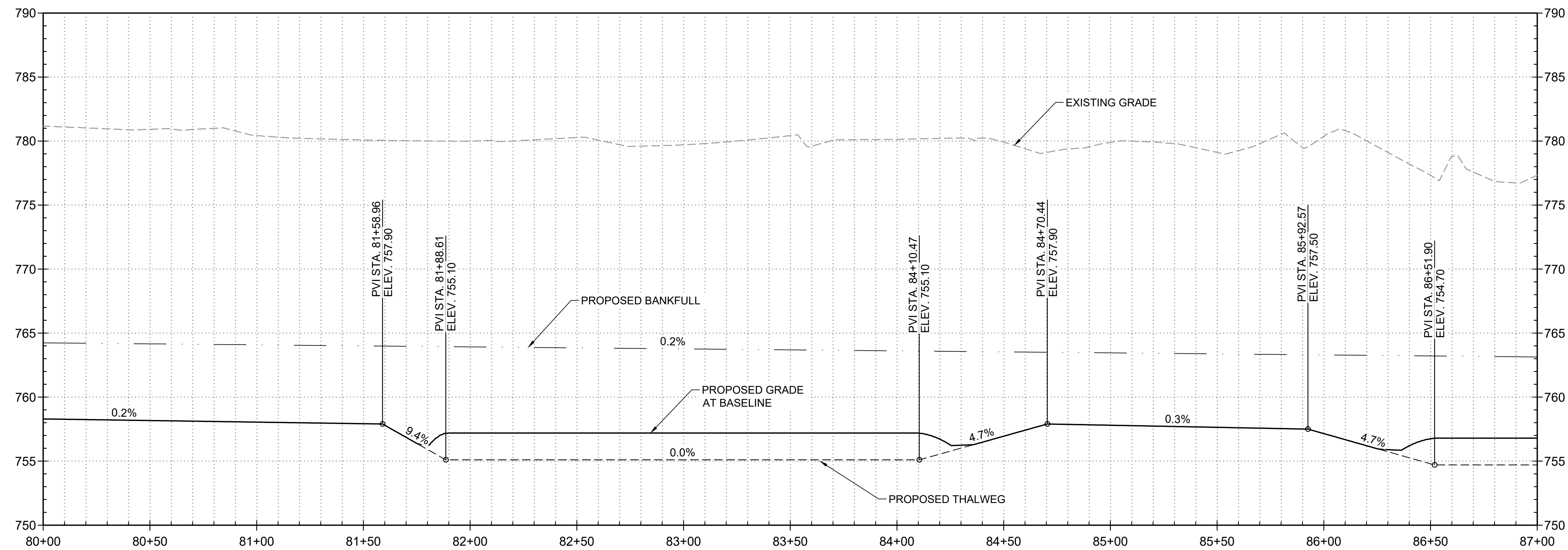
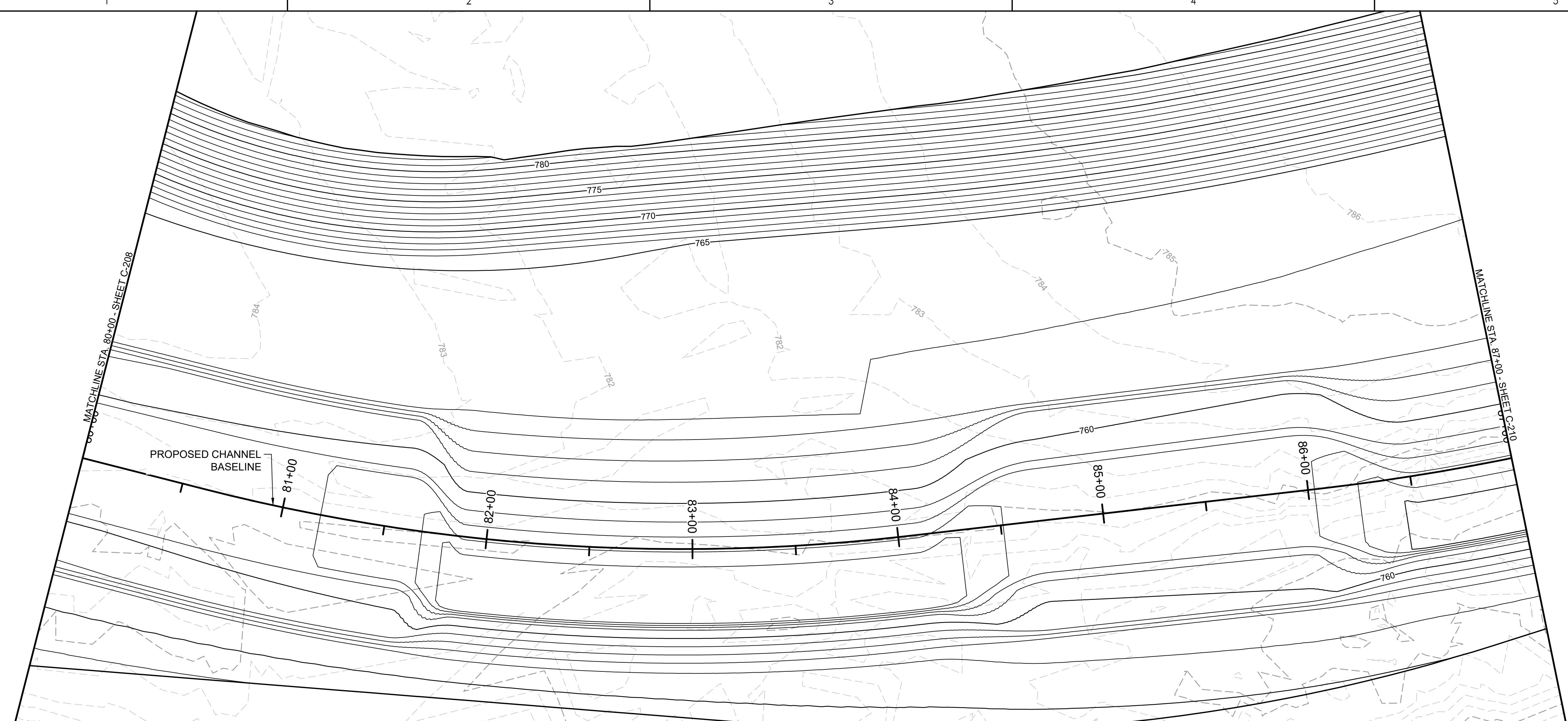
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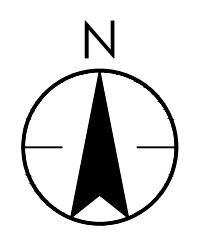
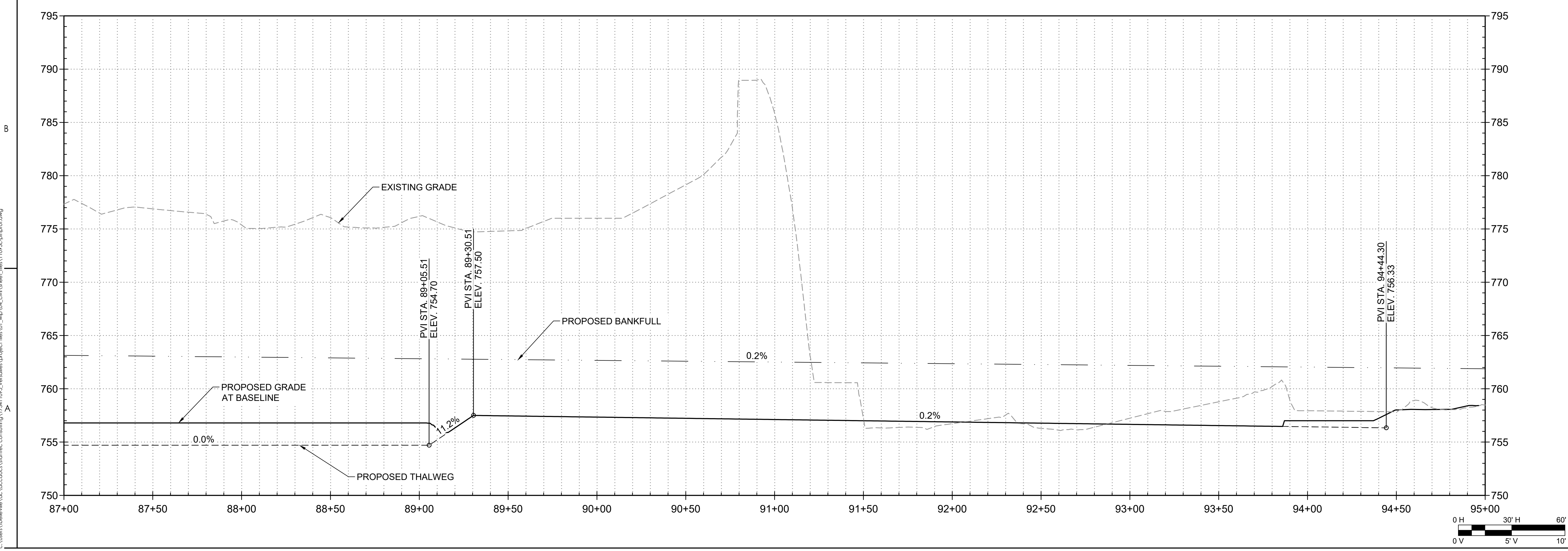
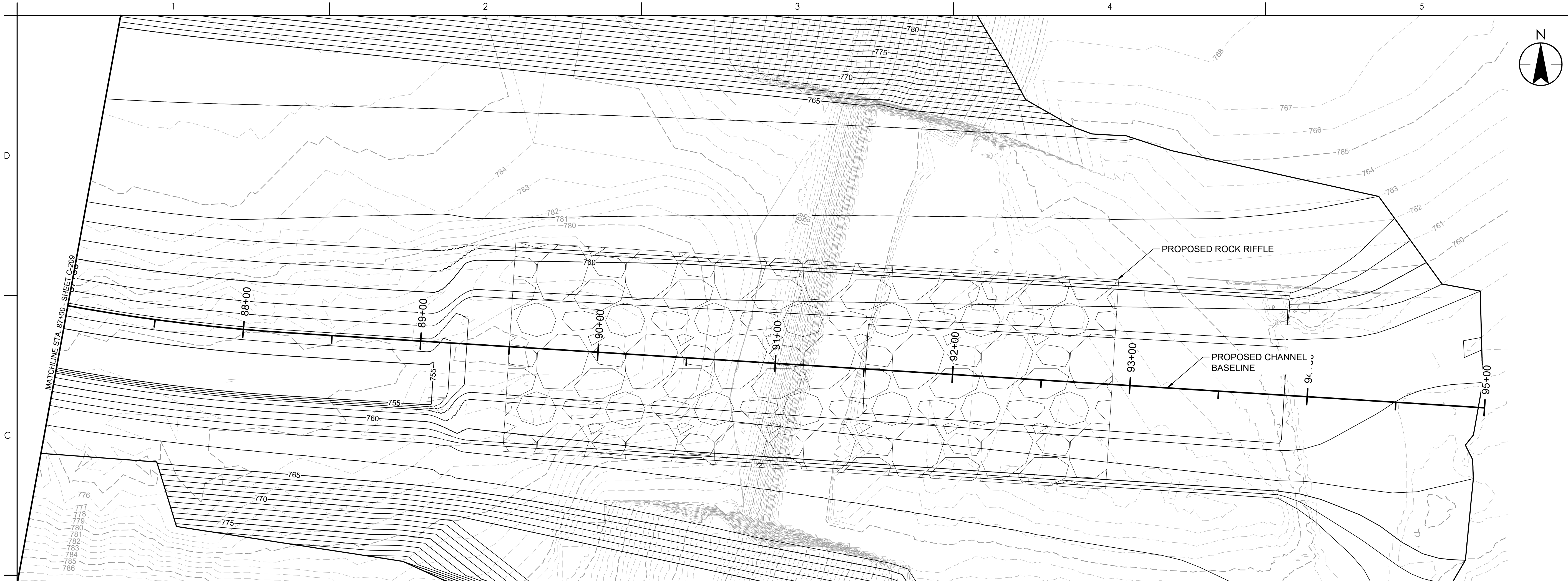
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Revision: Sheet: 31 of 38
Drawing No.

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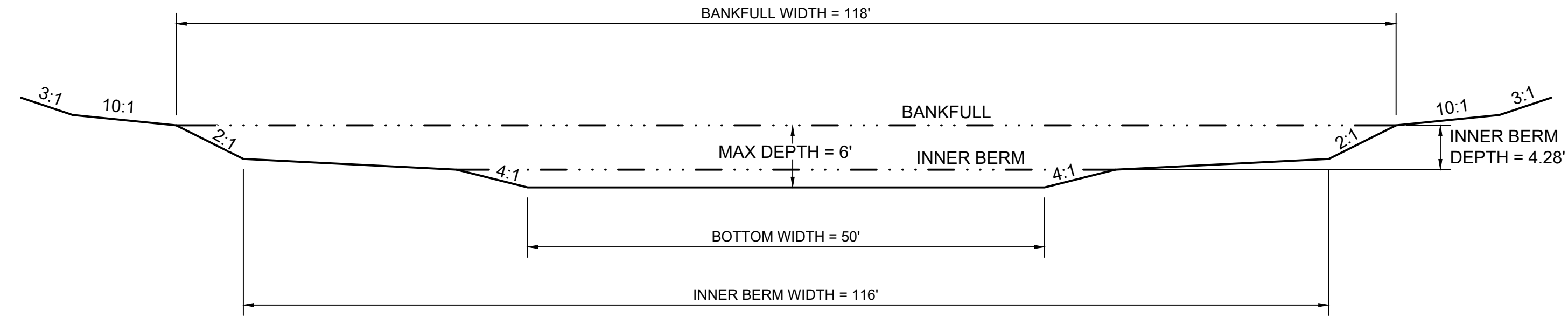
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PLAN & PROFILE 10

Revision: Sheet: 32 of 38
 Drawing No.

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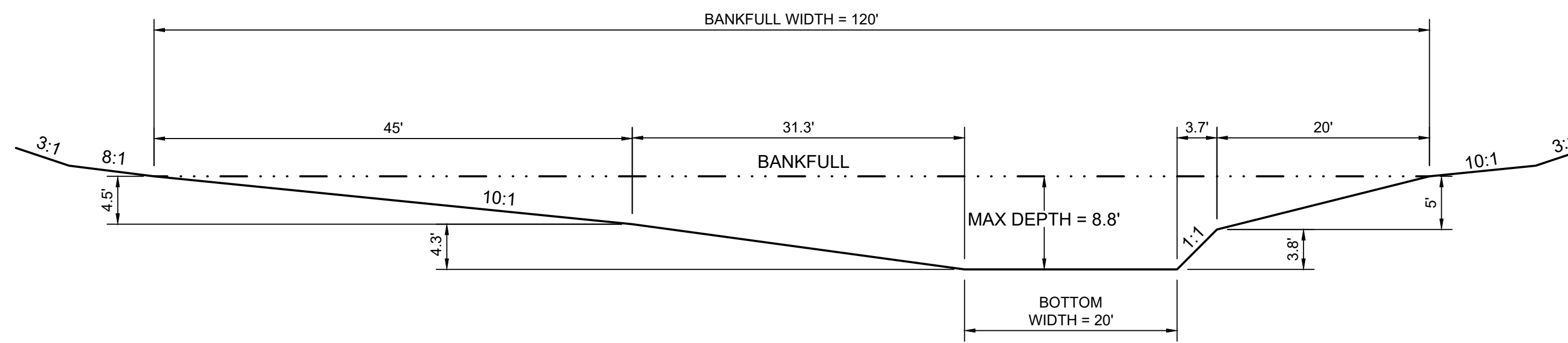
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| RIFFLE - TYPICAL SECTION | |
|--------------------------|----------|
| BANKFULL WIDTH | 118.0 FT |
| BANKFULL AREA | 547.1 SF |
| MEAN DEPTH | 4.6 FT |
| MAX DEPTH | 6.0 FT |
| W/D RATIO | 25.4 |



RIFFLE - TYPICAL CROSS SECTION

| ASYMMETRIC POOL - TYPICAL SECTION | |
|-----------------------------------|----------|
| POOL WIDTH | 120.0 FT |
| POOL AREA | 559.1 SF |
| MAX POOL DEPTH | 8.8 FT |



ASYMMETRIC POOL - CROSS SECTION

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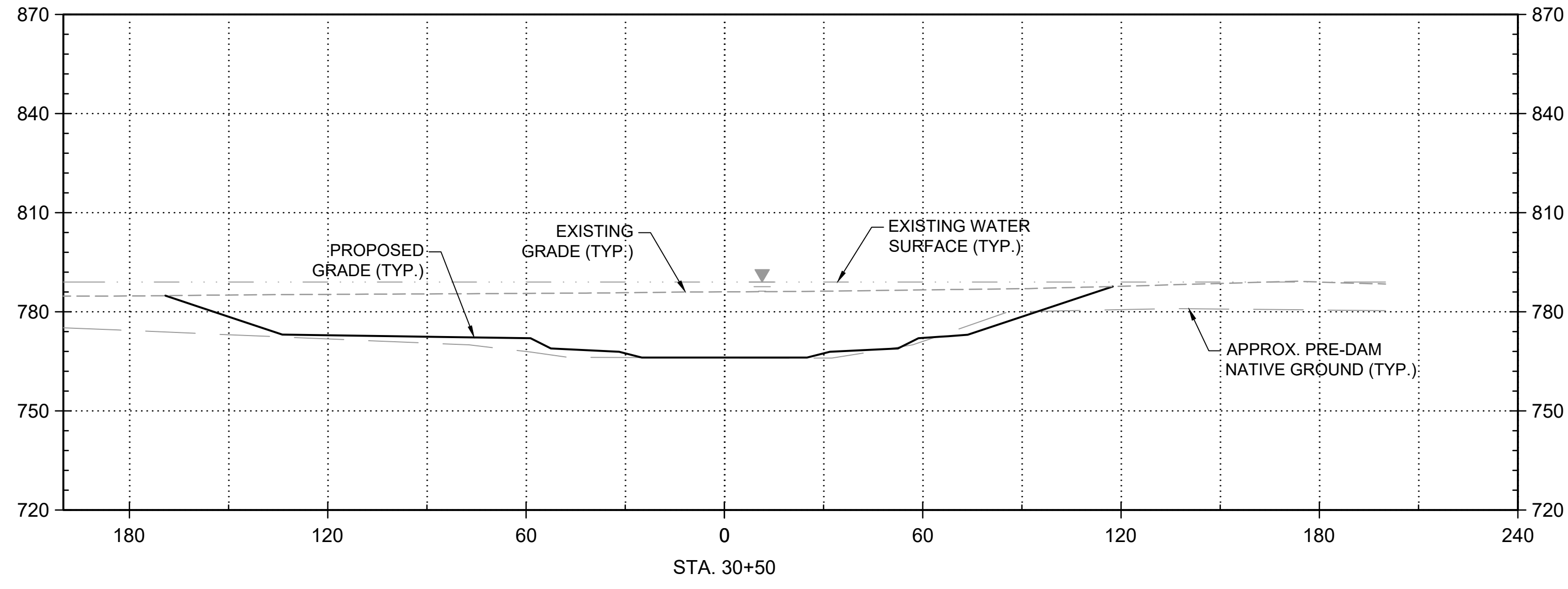
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Revision: Sheet: 33 of 38
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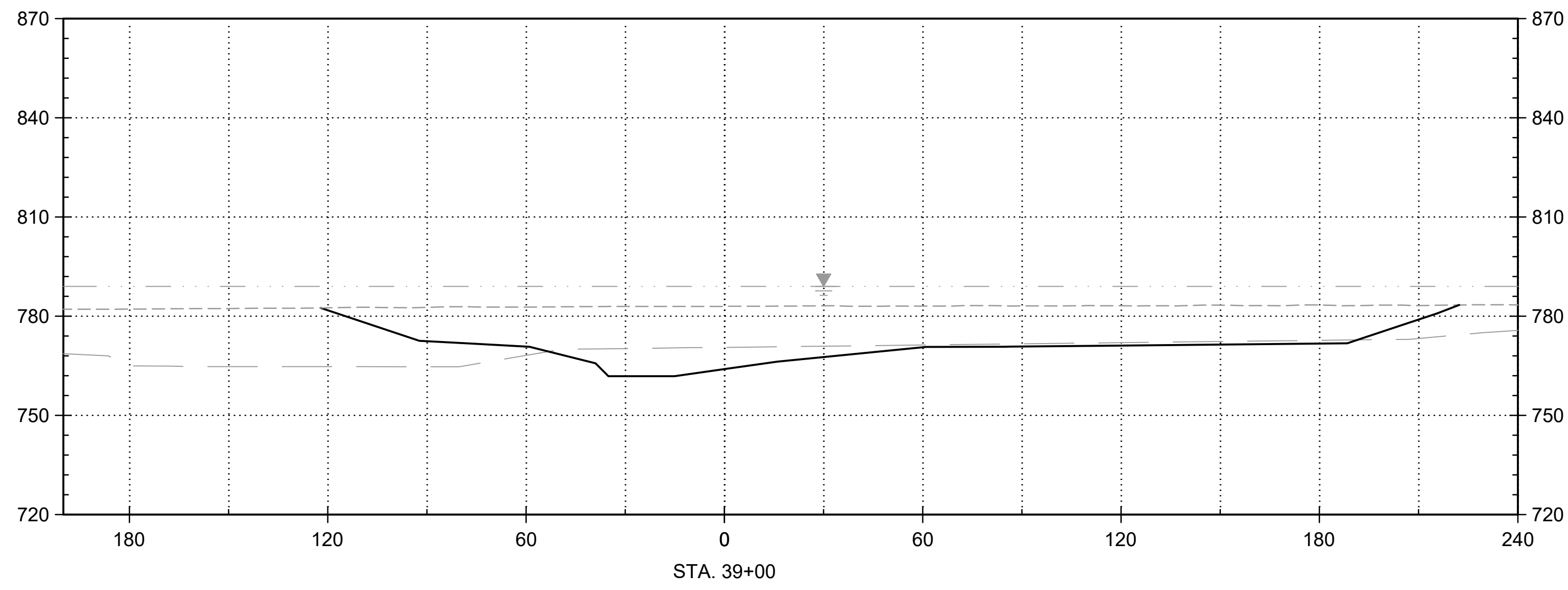
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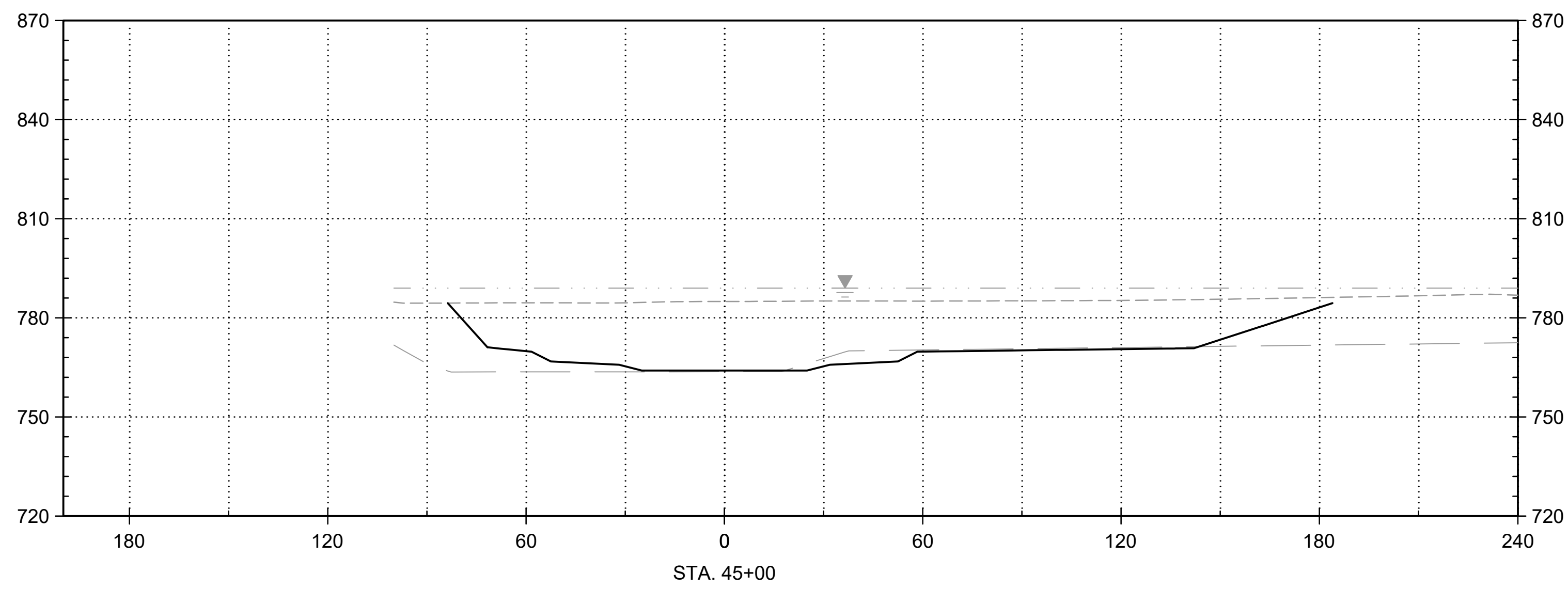
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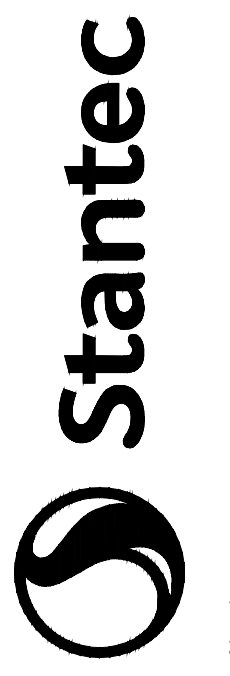
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Revision: Sheet: 34 of 38
 Drawing No.

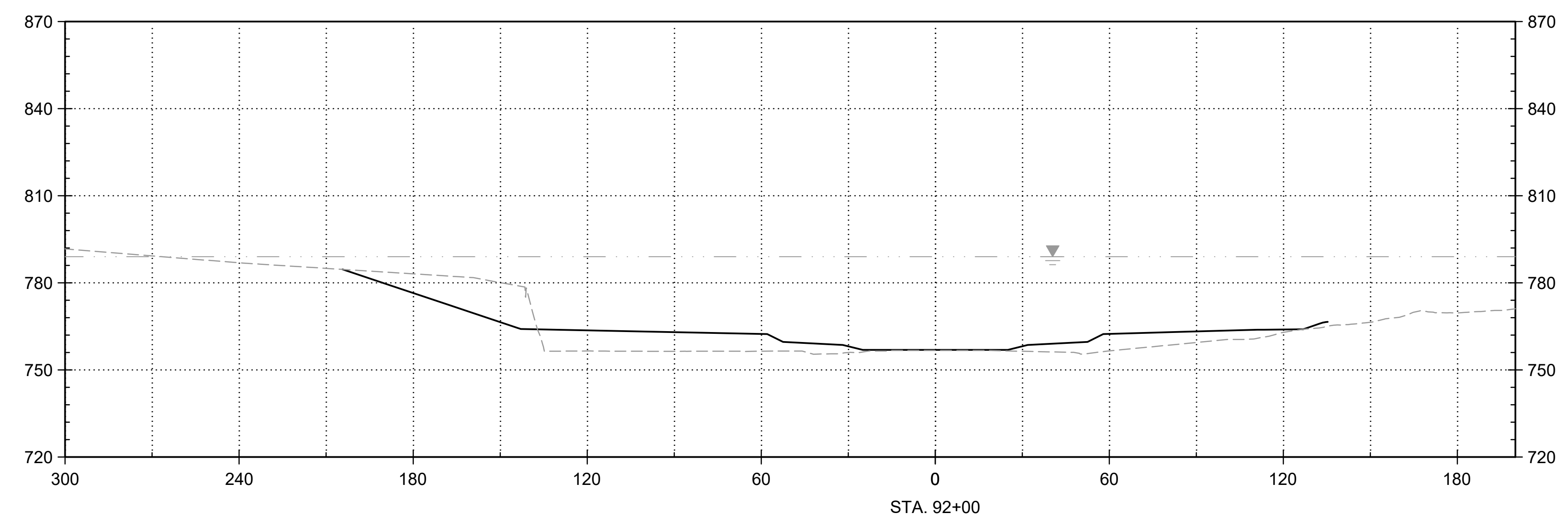
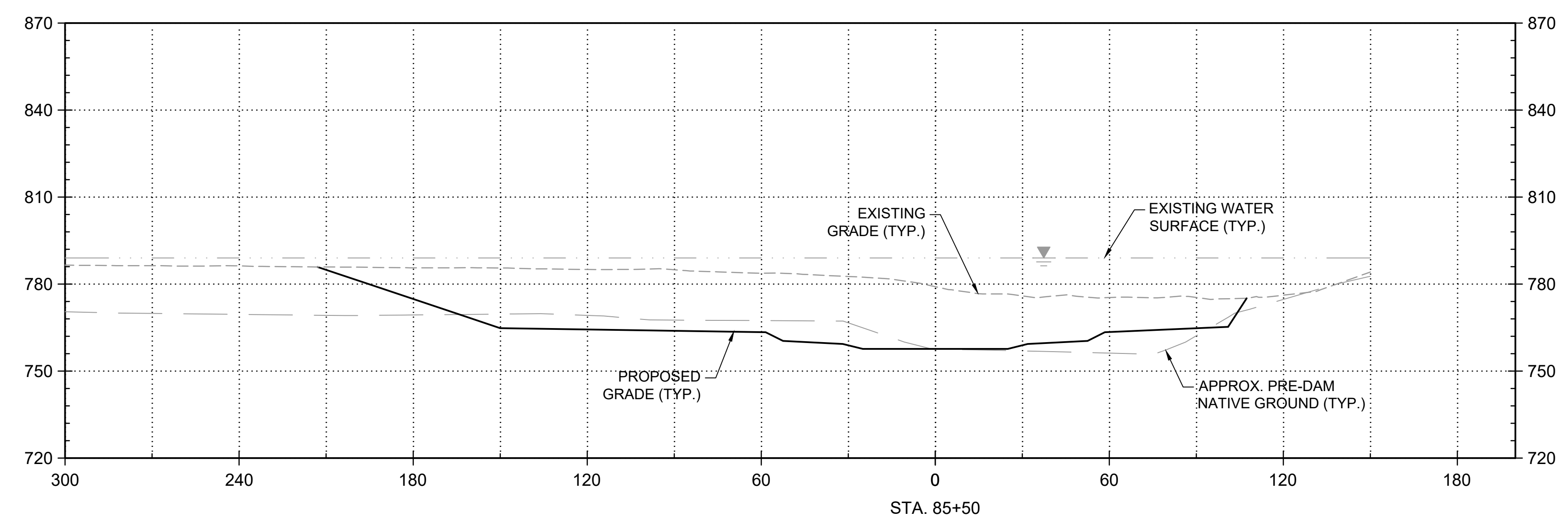
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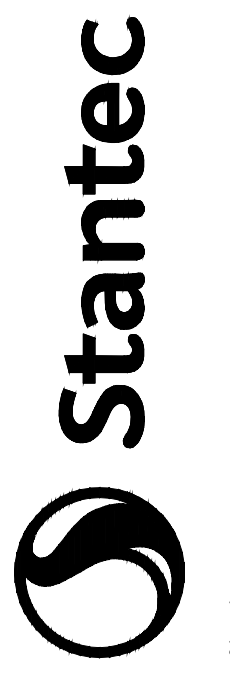
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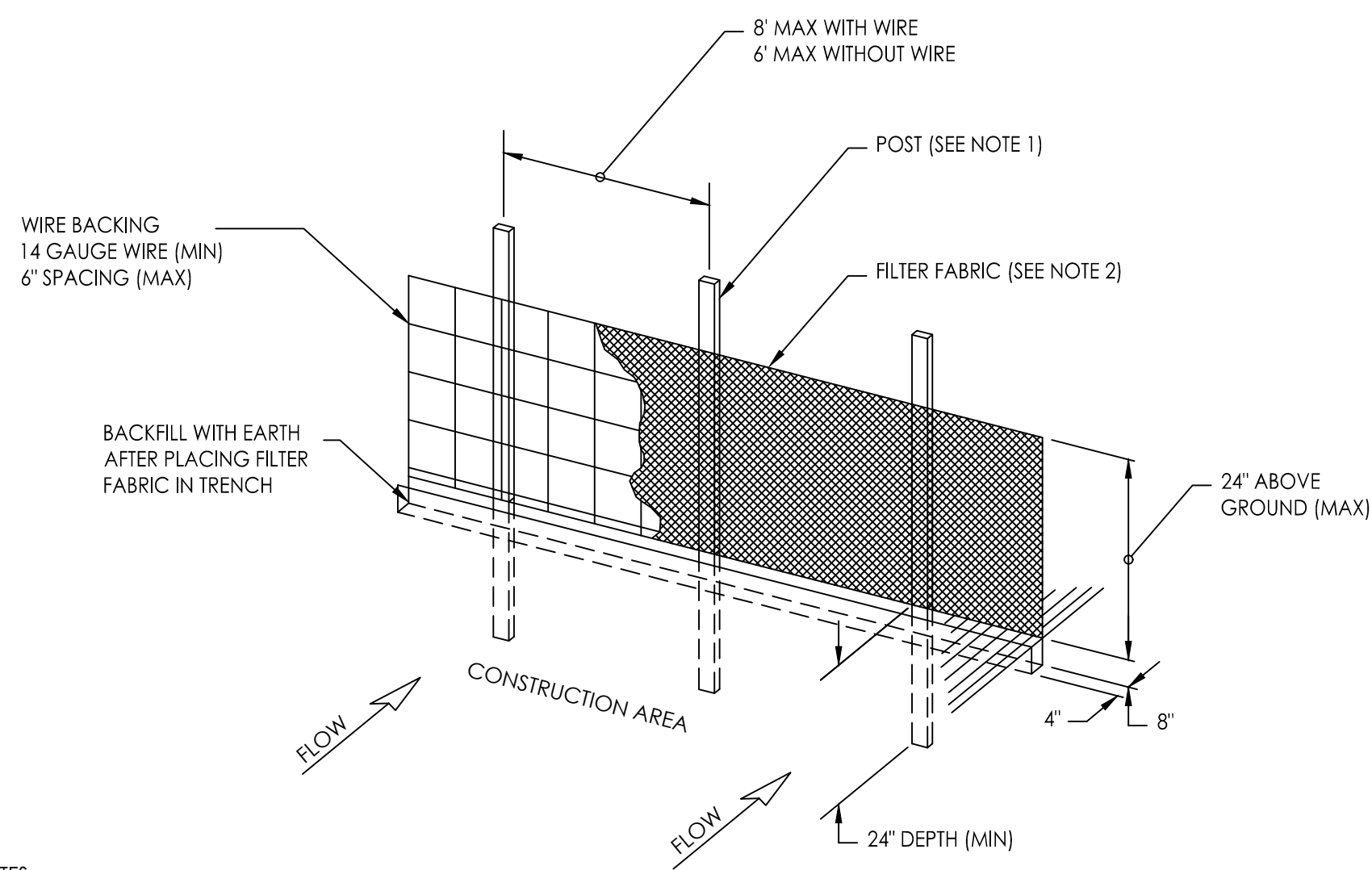
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Title
CROSS SECTIONS 3

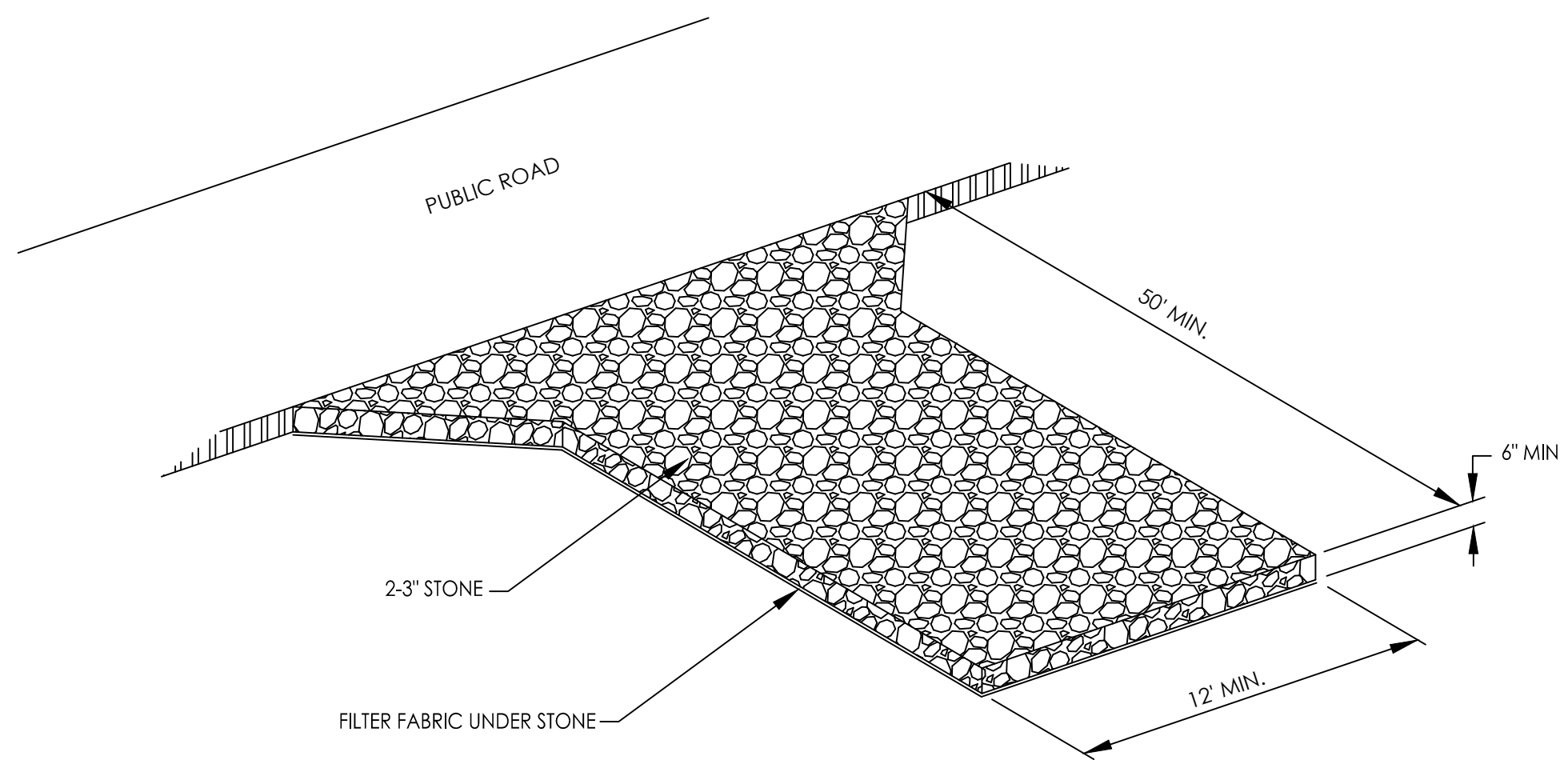
Revision: Sheet: 36 of 38
 Drawing No.

C-307



- NOTES:**
- POSTS SHALL BE 1.25 LB/LF STEEL AT A MINIMUM AND HAVE A MINIMUM LENGTH OF 5-FT. POSTS SHALL ALSO HAVE PROJECTIONS TO FACILITATE FASTENING FABRIC.
 - FILTER FABRIC SHALL MEET THE FOLLOWING:
 - A) MINIMUM WIDTH OF 36 INCHES.
 - B) EOS NOT LARGER THAN U.S. STANDARD SIEVE NO. 30
 - C) GRAB STRENGTH 90 LB.
 - D) CONFORM TO ASTM D-6461
 - WIRE OR PLASTIC ZIP TIES WITH A TENSILE STRENGTH OF 50 LB. SHALL BE USED TO ATTACH FABRIC TO POSTS.
 - SILT FENCE INSTALLATION SHALL CONFORM WITH ASTM D 4462.
 - SILT FENCE TO BE INSTALLED IN LOCATIONS AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN AND AS DIRECTED BY THE ENGINEER PRIOR TO BEGINNING OF CONSTRUCTION TO CONTROL SEDIMENT.
 - SILT FENCE TO BE INSTALLED AROUND STOCKPILE LOCATIONS SHALL BE SET A MINIMUM DISTANCE OF 5-FT FROM TOE OF SLOPE.
- MAINTENANCE:**
- SILT FENCE SHALL BE INSPECTED AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL EVENT.
 - REPLACE ANY PORTION OF SILT FENCE THAT HAS COLLAPSED, TEARS, OR BECOMES INEFFECTIVE.
 - REMOVE SEDIMENT AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME.
 - SILT FENCE TO BE REMOVED AND THE AREA TO BE RESTORED TO ITS NATURAL CONDITION WHEN PERMANENT EROSION AND SEDIMENT CONTROL PROCEDURES ARE EFFECTIVE.

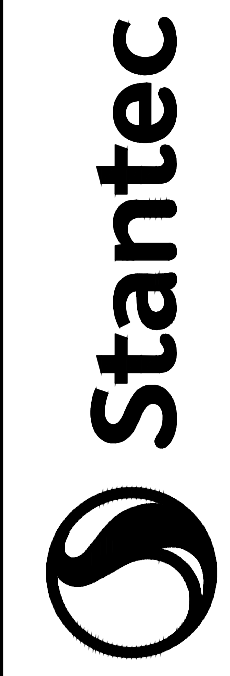
TEMPORARY SILT FENCE
NOT TO SCALE



- NOTES:**
- GRADE AND REMOVE ALL VEGETATION AND OBJECTIONABLE MATERIAL FROM PROPOSED ENTRANCE AREA.
 - PROVIDE DRAINAGE TO SUITABLE OUTLET.
- MAINTENANCE:**
- CONSTRUCTION ENTRANCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT.
 - MAINTAIN CONSTRUCTION ENTRANCE IN CONDITION NECESSARY TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE.
 - IMMEDIATELY REMOVE ANY OBJECTIONABLE MATERIAL SPILLED, WASHED, OR TRACKED ONTO PUBLIC ROADWAYS.

CONSTRUCTION ENTRANCE
NOT TO SCALE

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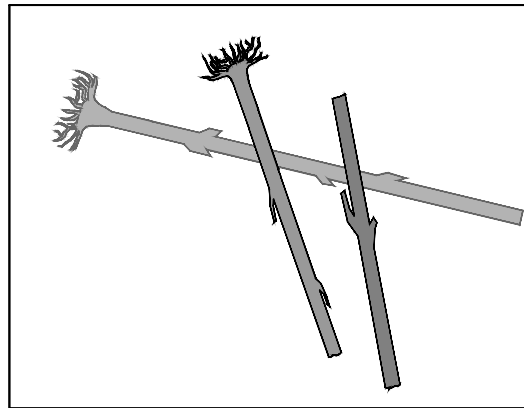
Client/Project
 INDIANA DEPARTMENT OF
 NATURAL RESOURCES
 VERSALLES DAM
 30% DESIGN
 RIPLEY COUNTY, INDIANA

Project No.: 173411095
 File Name: 11095C-DTLS
 Scale: AS NOTED

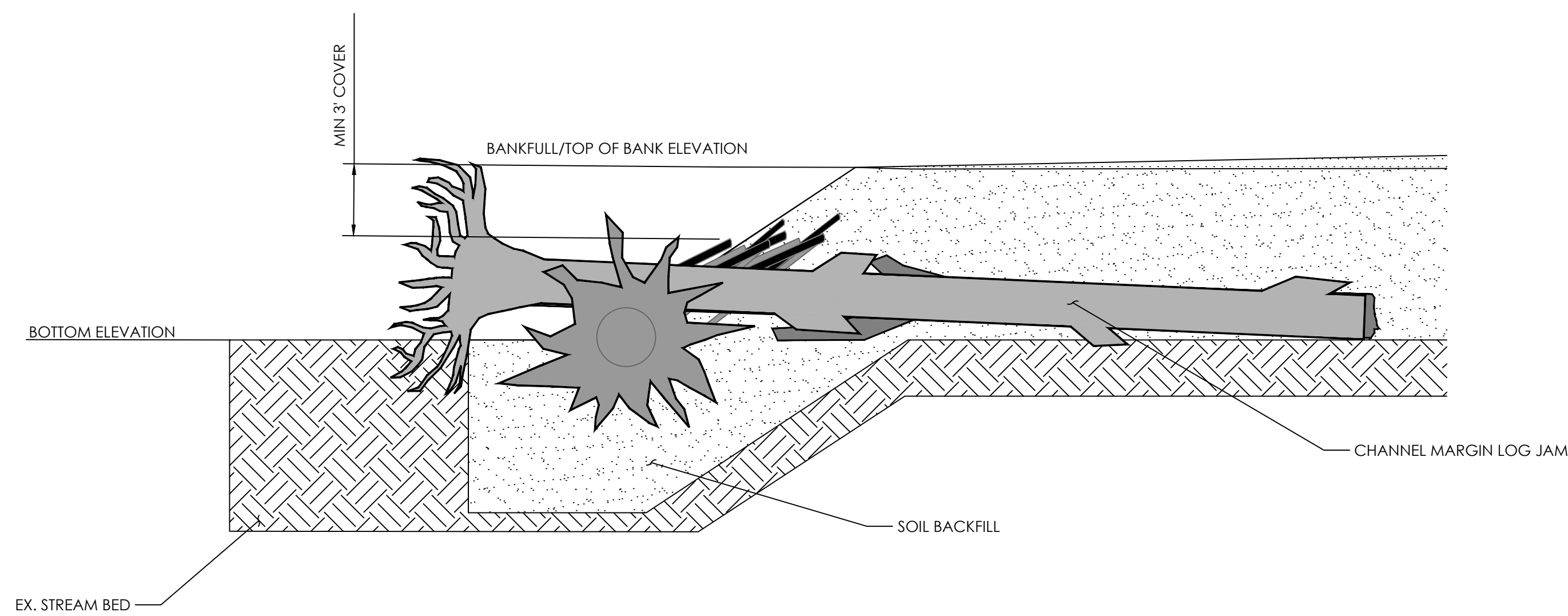
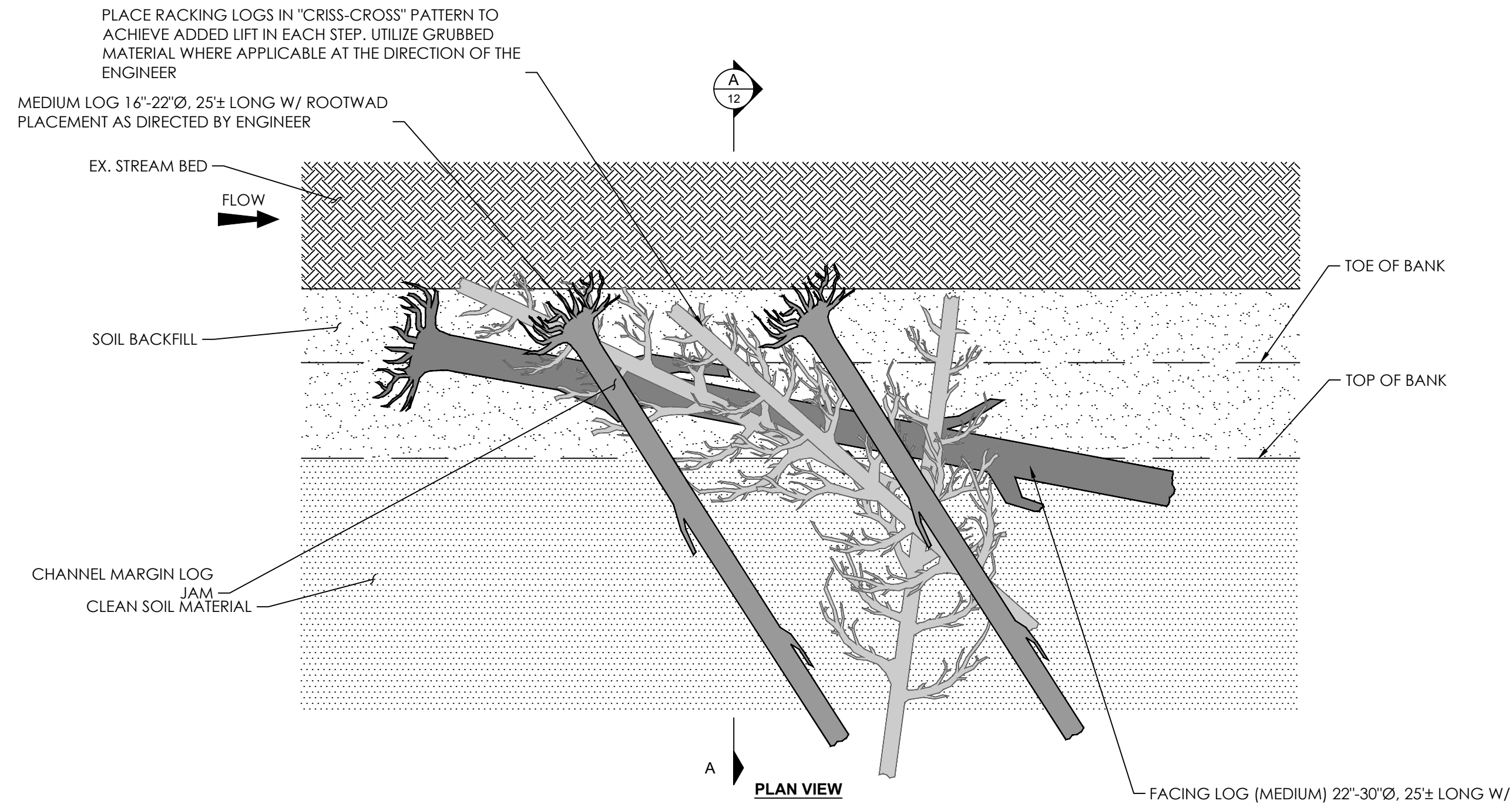
Title
 DETAILS 1

Revision: Sheet: 37 of 38
 Drawing No.

C-501



PLAN-SYMBOL
(CHANNEL MARGIN
LOG JAM)



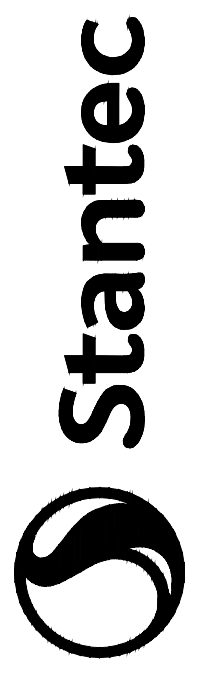
CHANNEL MARGIN LOG
NOT TO SCALE

CHANNEL MARGIN LOG JAM NOTES:

1. REFER TO SHEETS C-201 THROUGH C-210 FOR THE APPROXIMATE LOCATION OF THE CHANNEL MARGIN LOG JAMS.
2. ALL WOOD USED SHALL BE HARVESTED ON-SITE FROM TREES DESIGNATED FOR REMOVAL DURING SITE ACCESS AND GRADING OPERATIONS
3. SEQUENCE OF CONSTRUCTION
 - 3.1. CONTRACTOR TO SELECT LARGE AND MEDIUM LOGS, PER TABLE BELOW WITH THE APPROVAL OF THE ENGINEER.
 - 3.2. STRUCTURE LOCATION MAY BE FIELD ADJUSTED BY ENGINEER.
 - 3.3. RACKING LOGS AND SLASH WEDGED BETWEEN MEDIUM LOGS. RACKING LOGS AND SLASH SHALL HAVE IRREGULAR AND NATURAL APPEARANCE AND NOT STACKED.
 - 3.4. FACING LOG SHALL BE ANGLED 25-30 DEGREES UPSTREAM. THE DOWNSTREAM END SHALL BE EMBEDDED MIN. 75% IN ROCK FILL MATERIAL.
 - 3.5. PLACE MEDIUM LOGS WITH THEIR UPSTREAM ENDS RESTING ON THE STREAMBED. EMBED THE DOWNSTREAM ENDS IN BACKFILL AND COMPACT THE SURROUNDING FILL MATERIAL TO SECURE THE LOGS IN PLACE.
 - 3.6. BACKFILL STRUCTURE WITH COMPACTED FILL AND SLASH.

CHANNEL MARGIN LOG JAM DIMENSIONS

| LOG TYPE | SIZE (DBH) | MIN LENGTH (FT) | ROOTWAD | MIN ROOTWAD DIAMETER (FT) | BRANCHES | QUANTITY |
|------------|------------|-----------------|----------|---------------------------|----------|----------|
| MEDIUM | MIN 16" | 25' | YES | 4' | NO | 3 |
| RACKING | 10" - 16" | 15' | OPTIONAL | - | OPTIONAL | 3 |
| SLASH (CY) | 1" - 6" | 5' | - | - | YES | 15 |



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NATURAL RESOURCES

VERSAILLES DAM
30% DESIGN

RIPLEY COUNTY, INDIANA

Project No.: 173411095
File Name: 11095C-DTLS
Scale: AS NOTED

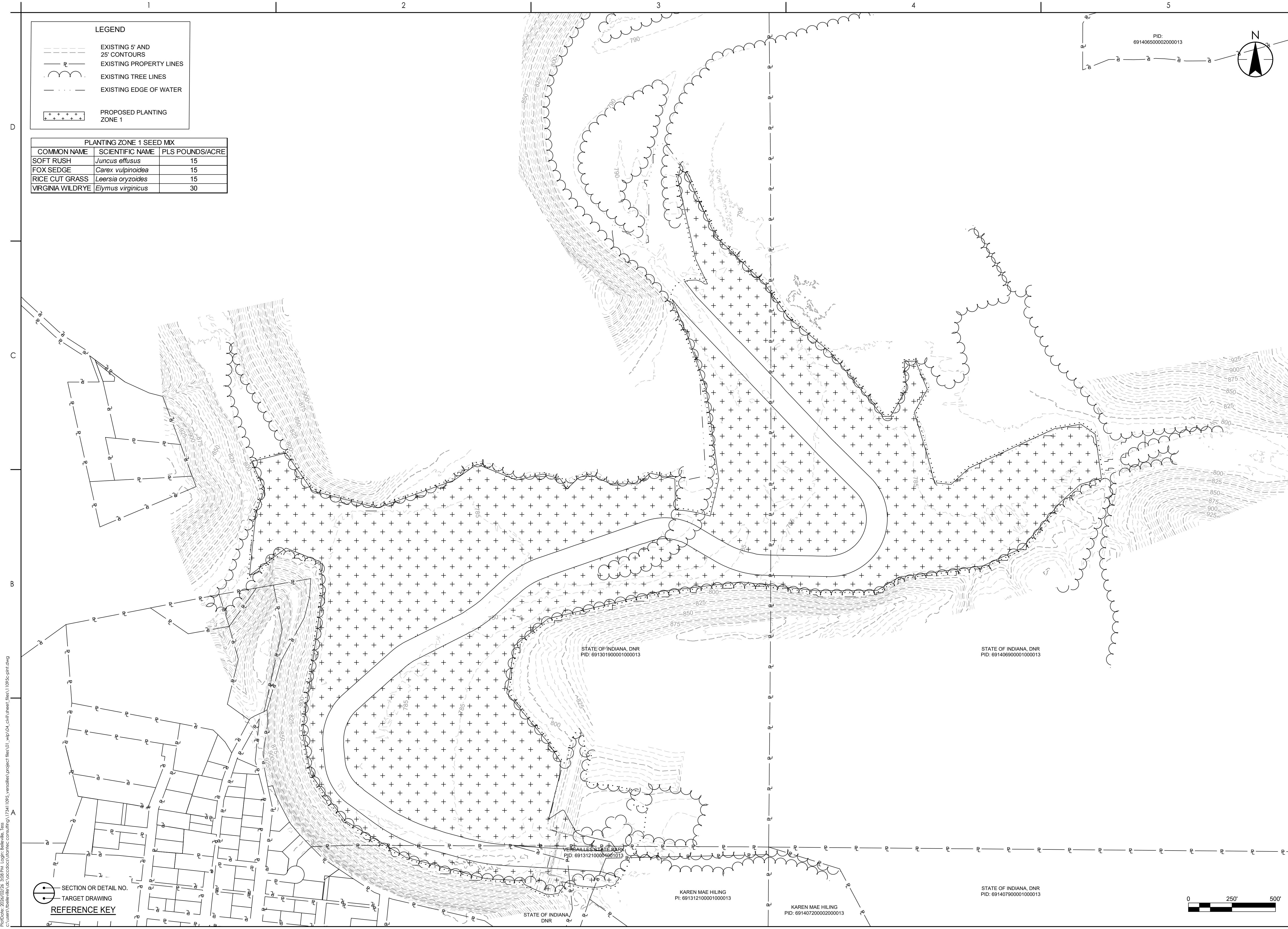
| CW | JM | GHH | 2026.02.27 |
|------|-------|-------|------------|
| Dwn. | Dsgn. | Chkd. | YYYY.MM.DD |

Title
DETAILS 2

Revision: Sheet: 38 of 38
Drawing No.

C-502

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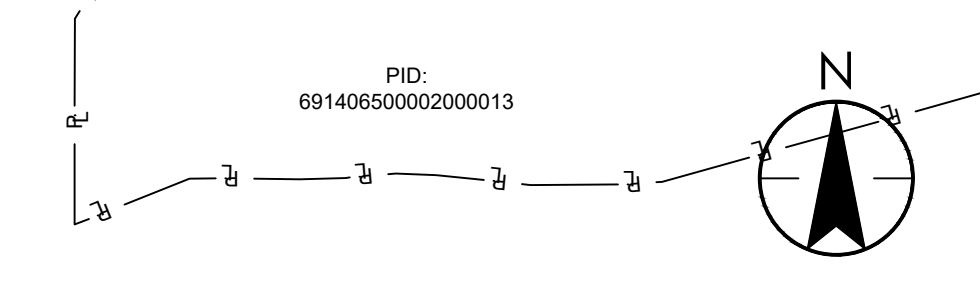


LEGEND

- EXISTING 5' AND 25' CONTOURS
- EXISTING PROPERTY LINES
- EXISTING TREE LINES
- EXISTING EDGE OF WATER
- ++++ PROPOSED PLANTING ZONE 1

PLANTING ZONE 1 SEED MIX

| COMMON NAME | SCIENTIFIC NAME | PLS POUNDS/ACRE |
|------------------|--------------------------|-----------------|
| SOFT RUSH | <i>Juncus effusus</i> | 15 |
| FOX SEDGE | <i>Carex vulpinoidea</i> | 15 |
| RICE CUT GRASS | <i>Leersia oryzoides</i> | 15 |
| VIRGINIA WILDRYE | <i>Elymus virginicus</i> | 30 |



SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY

STATE OF INDIANA, DNR
PID: 691301900001000013

STATE OF INDIANA, DNR
PID: 691406900001000013

KAREN MAE HILING
PI: 691312100001000013

KAREN MAE HILING
PID: 691407200002000013

STATE OF INDIANA, DNR
PID: 691407900001000013

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ORIGINAL SHEET - ANSI D

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 RIPLEY COUNTY, INDIANA

Project No.: 173411095
 File Name: 11095C-PLNT
 Scale: 1"=250'
 Dwn. Dsgn. Chkd. YYYY.MM.DD
 CW JM GH 2026.02.27

Title
PLANTING PLAN

Revision: Sheet: 39 of 38
 Drawing No.

C-601