

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION



BROOKLIN

HANCOCK COUNTY

STATE ROUTE 175

WATSON BROOK BRIDGE

BRIDGE #6745

STATE PROJECT NO. 023531.00

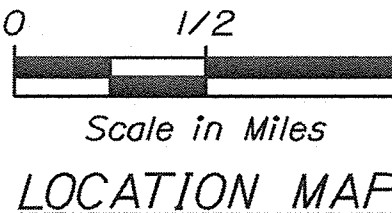
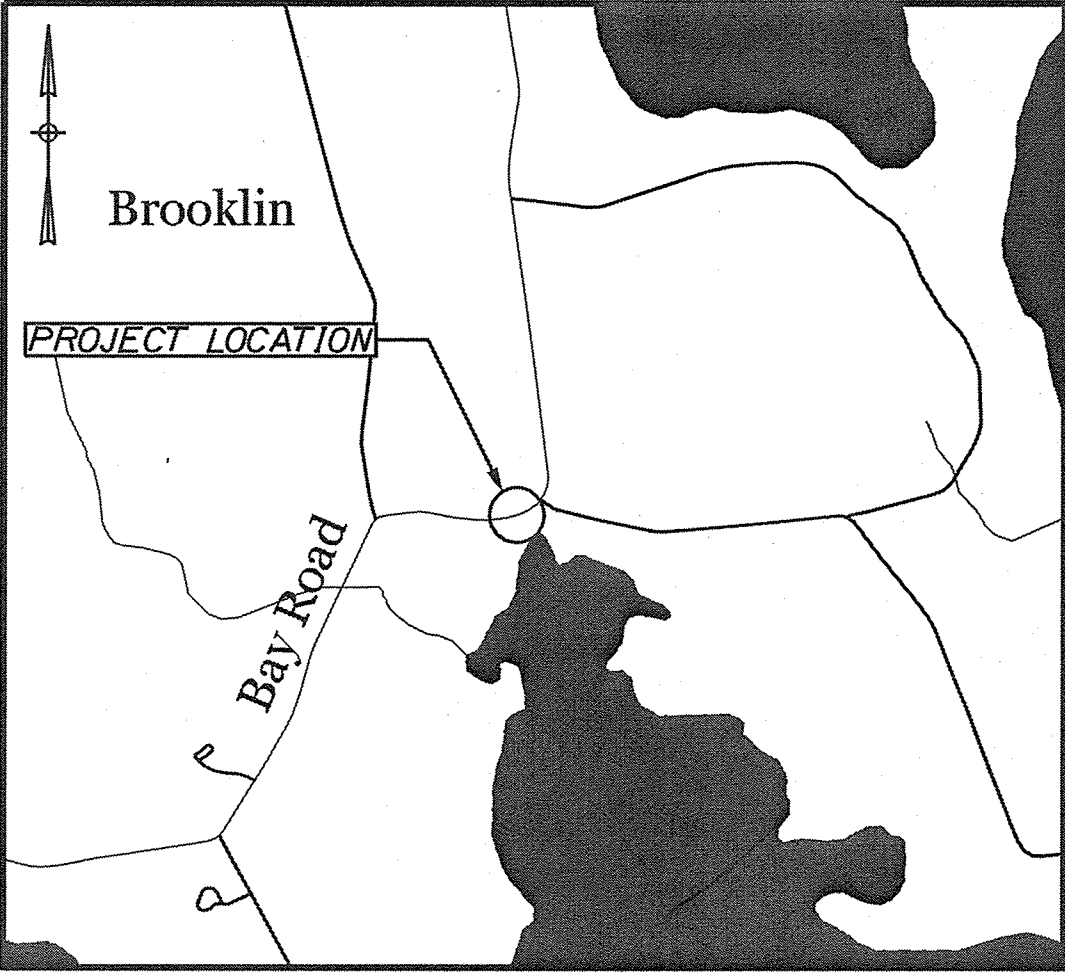
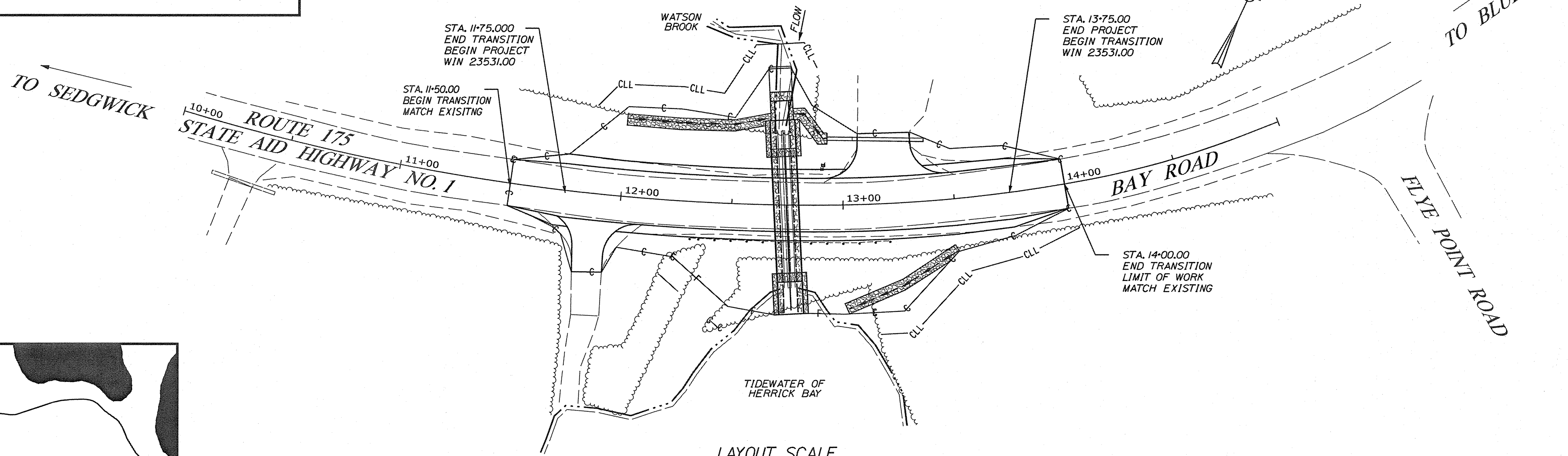
PROJECT LENGTH : 0.038 MILES

PLAN LEGEND

|                            |                             |                        |          |
|----------------------------|-----------------------------|------------------------|----------|
| Town, County, State        | Catch Basins                | Existing               | Proposed |
| Property Lines             | Manholes                    | Existing               | Proposed |
| R/W Lines-Existing         | Proposed Underdrain         |                        |          |
| R/W Lines-Proposed         | Proposed Ditch              |                        |          |
| Culvert-Existing           | Existing Ditch              |                        |          |
| Culvert Proposed           | Utility Poles               | Existing               | Proposed |
| Curbing Existing           | Fire Hydrants               | Existing               | Proposed |
| Type 1                     | Existing Water Line         |                        |          |
| Type 3                     | Existing San. Sewer         |                        |          |
| Type 5                     | Existing San. Sewer Manhole |                        |          |
| Outline of Bodies of Water | Guardrail-Existing          |                        |          |
| Exposed Bedrock            | Guardrail-Proposed          |                        |          |
| Buildings                  | Guardrail-Cable, Other      |                        |          |
| Trees Conifer              | Centerline-Existing         |                        |          |
| Tree Line                  | Centerline-Proposed         |                        |          |
| Clearing Limit Line        | Travelway-Existing          |                        |          |
| Railroad                   | Travelway-Proposed          |                        |          |
| Boring                     | Probe                       | P-#.#X                 |          |
| Pavement Core              |                             | #.# = Depth            |          |
| Test Pit                   |                             | X = W (Weathered Rock) |          |
|                            |                             | R (Refusal)            |          |
|                            |                             | NR (No Refusal)        |          |

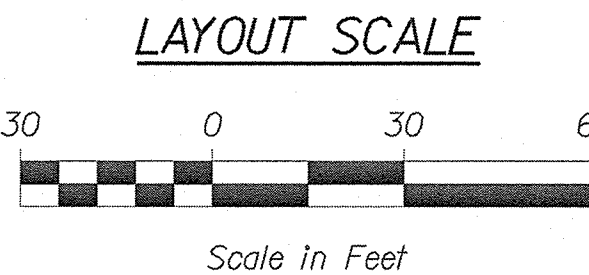
INDEX OF SHEETS

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TRAFFIC DATA

|                                |                 |
|--------------------------------|-----------------|
| Current (2025) AADT            | 1030            |
| Future (2037) AADT             | 1090            |
| DHV - % of AADT                | 15%             |
| Design Hour Volume             | 164             |
| % Heavy Trucks (AADT)          | 3%              |
| % Heavy Trucks (DHV)           | 1%              |
| Directional Distribution (DHV) | 54%             |
| 18 kip Equivalent P 2.0        | 10              |
| 18 kip Equivalent P 2.5        | 10              |
| Design Speed (mph)             | 40              |
| Functional Class               | MINOR COLLECTOR |
| Corridor Priority              | 4               |



|                   |                                                       |
|-------------------|-------------------------------------------------------|
| PROJECT LOCATION: | APPROXIMATELY 0.05 OF A MILE SOUTH OF FLYE POINT ROAD |
| PROGRAM AREA:     | HIGHWAY PROGRAM                                       |
| SCOPE OF WORK:    | LARGE CULVERT REPLACEMENT                             |

STATE PROJECT NO. 23531.00

WIN 23531.00

BROOKLIN  
STATE ROUTE 175

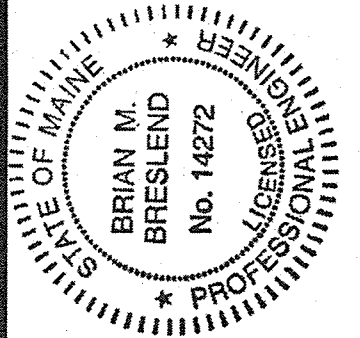
TITLE SHEET

SHEET NUMBER

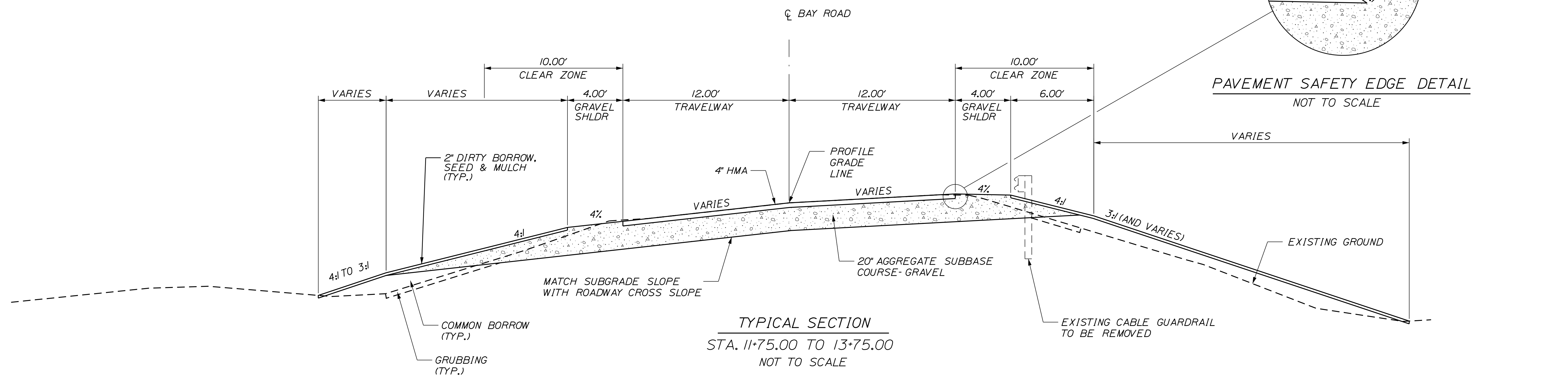
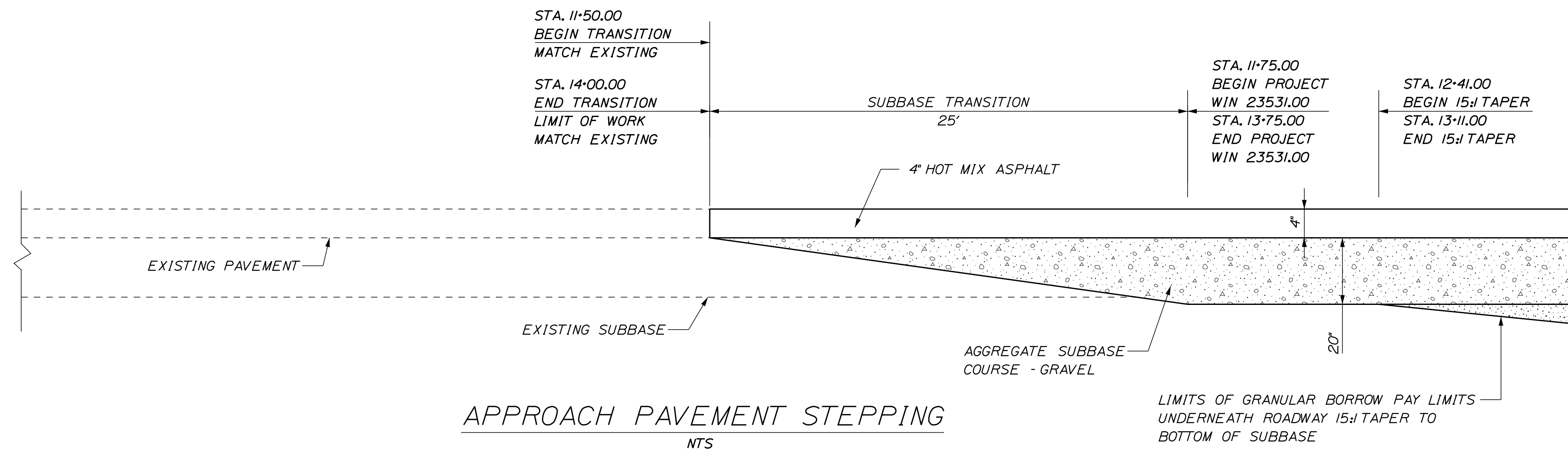
1

OF 20

|                                                |                    |        |
|------------------------------------------------|--------------------|--------|
| STATE OF MAINE<br>DEPARTMENT OF TRANSPORTATION | APPROVED           | DATE   |
| COMMISSIONER: <i>[Signature]</i>               | <i>[Signature]</i> | 1-6-25 |
| CHIEF ENGINEER: <i>[Signature]</i>             | <i>[Signature]</i> | 1-6-25 |



|                     |         |                    |             |                     |                  |            |                         |
|---------------------|---------|--------------------|-------------|---------------------|------------------|------------|-------------------------|
| PROJECT INFORMATION | PROGRAM | PROJECT MANAGER    | DESIGNER    | CONSULTANT          | PROJECT RESIDENT | CONTRACTOR | PROJECT COMPLETION DATE |
|                     | HIGHWAY | R. BARROWS         | B. BRESLEND | DUBOIS & KING, INC. |                  |            |                         |
|                     |         | SIGNATURE          | PE14272     | P.E. NUMBER         |                  |            |                         |
|                     |         | <i>[Signature]</i> |             | 1/2/2025            |                  |            |                         |
|                     |         |                    |             | DATE                |                  |            |                         |



|            |  |              |                             |  |                                                                           |                                      |                   |                                                |
|------------|--|--------------|-----------------------------|--|---------------------------------------------------------------------------|--------------------------------------|-------------------|------------------------------------------------|
| 2<br>OF 20 |  | SHEET NUMBER | BROOKLIN<br>STATE ROUTE 175 |  | PROJ. MANAGER<br>R. BARROWS                                               | BY<br>B. BRESLEND                    | DATE<br>DEC. 2022 | STATE OF MAINE<br>DEPARTMENT OF TRANSPORTATION |
|            |  |              | TYPICAL SECTION             |  | CHECKED-REVIEWED<br>DESIGN-DETAILED<br>DESIGN-DETAILED<br>DESIGN-DETAILED | C. BELLISLE<br>O. DALMER<br>M. STINK | SIGNATURE         |                                                |
|            |  |              |                             |  |                                                                           |                                      | P.E. NUMBER       | 23531.00                                       |
|            |  |              |                             |  |                                                                           |                                      |                   | WIN<br>23531.00<br>HIGHWAY PLANS               |
|            |  |              |                             |  |                                                                           |                                      | DATE              |                                                |
|            |  |              |                             |  |                                                                           |                                      |                   |                                                |

| ESTIMATED QUANTITIES |                                                                   |          |      |
|----------------------|-------------------------------------------------------------------|----------|------|
| TEM NO.              | DESCRIPTION                                                       | QUANTITY | UNIT |
| 203.20               | COMMON EXCAVATION                                                 | 820      | CY   |
| 203.25               | GRANULAR BORROW                                                   | 390      | CY   |
| 203.33               | SPECIAL FILL                                                      | 16       | CY   |
| 206.07               | STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES        | 50       | CY   |
| 304.10               | AGGREGATE SUBBASE COURSE - GRAVEL                                 | 530      | CY   |
| 403.208              | HOT MIX ASPHALT 12.5 mm HMA SURFACE                               | 59       | T    |
| 403.213              | HOT MIX ASPHALT 12.5 mm BASE                                      | 95       | T    |
| 409.15               | BITUMINOUS TACK COAT APPLIED                                      | 7        | G    |
| 502.III              | STRUCTURAL CONCRETE FOOTINGS                                      | 68       | CY   |
| 502.326              | STRUCTURAL CONCRETE - FISH WEIRS (6 CY)                           | 1        | LS   |
| 503.14               | EXPOXY COATED REINFORCING STEEL FABRICATED AND DELIVERED          | 5600     | LB   |
| 503.15               | EPOXY COATED REINFORCING STEEL PLACING                            | 5600     | LB   |
| 509.13               | STEEL STRUCTURAL PLATE ARCH                                       | 1        | LS   |
| 511.07               | COFFERDAM-UPSTREAM                                                | 1        | LS   |
| 511.07               | COFFERDAM-DOWNSTREAM                                              | 1        | LS   |
| 603.17               | 18 INCH CULVERT PIPE OPTION 1                                     | 43       | LF   |
| 606.363              | GUARDRAIL REMOVE AND DISPOSE                                      | 90       | LF   |
| 606.52               | MAILBOX REMOVE & RESET                                            | 1        | EA   |
| 610.08               | PLAIN RIPRAP                                                      | 76       | CY   |
| 613.319              | EROSION CONTROL BLANKET                                           | 94       | SY   |
| 615.07               | LOAM                                                              | 6        | CY   |
| 615.10               | DIRTY BORROW                                                      | 36       | CY   |
| 618.14               | SEEDING METHOD NUMBER 2                                           | 7        | UN   |
| 619.12               | MULCH                                                             | 7        | UN   |
| 620.58               | EROSION CONTROL GEOTEXTILE                                        | 200      | SY   |
| 627.733              | 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE                  | 800      | LF   |
| 629.05               | HAND LABOR, STRAIGHT TIME                                         | 40       | HR   |
| 631.12               | ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)                        | 40       | HR   |
| 631.172              | TRUCK-LARGE (INCLUDING OPERATOR)                                  | 80       | HR   |
| 639.19               | FIELD OFFICE TYPE B                                               | 1        | EA   |
| 645.103              | DEMOUNT GUIDE SIGN                                                | 1        | EA   |
| 645.106              | DEMOUNT REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER SIGN   | 2        | EA   |
| 645.1061             | RELOCATE EXISTING SIGN AND POST                                   | 1        | EA   |
| 645.108              | DEMOUNT POLE                                                      | 2        | EA   |
| 645.113              | REINSTALL GUIDE SIGN                                              | 1        | EA   |
| 645.116              | REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER SIGN | 2        | EA   |
| 645.118              | REINSTALL POLE                                                    | 2        | EA   |
| 652.312              | TYPE III BARRICADE                                                | 2        | EA   |
| 652.33               | DRUM                                                              | 20       | EA   |
| 652.34               | CONE                                                              | 40       | EA   |
| 652.35               | CONSTRUCTION SIGNS                                                | 300      | SF   |
| 652.361              | MAINTENANCE OF TRAFFIC CONTROL DEVICES                            | 60       | CD   |
| 652.38               | FLAGGER                                                           | 300      | HR   |
| 652.41               | PORTABLE CHANGEABLE MESSAGE SIGN                                  | 2        | EA   |
| 656.75               | TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL                | 1        | LS   |
| 659.10               | MOBILIZATION                                                      | 1        | LS   |

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

23531.00

WIN 23531.00

HIGHWAY PLANS

PROJ. MANAGER

DESIGN-DETAILED

DESIGNED-REVIEWED

DESIGN DETAILER

DESIGNED

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

R. BARROWS

G. BELLE

B. BRESLEND

O. DALMER

M. STANK

BY

B. BRESLEND

B. BRESLEND

B. BRESLEND

B. BRESLEND

DATE

06-2022

JAN 2024

01-2024

SIGNATURE

P.E. NUM. PER

DATE

BROOKLIN

STATE ROUTE 175

ESTIMATED QUANTITIES

SHEET NUMBER

3

OF 20

GENERAL NOTES

1. ALL CLEARING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE. THE ACTUAL LINES FOR CLEARING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AS INDICATED ON THE PLANS AND APPROVED BY THE RESIDENT.
2. CLEARING LIMITS SHALL BE 10 FEET BEYOND AND PARALLEL TO THE CONSTRUCTION SLOPE LINES OR AS SHOWN ON THE PLANS UNLESS OTHERWISE AUTHORIZED BY THE RESIDENT.
3. GRUBBING IN FILL AREAS HAS BEEN SHOWN ON CROSS SECTIONS AND THE QUANTITIES NOTED.THESE LIMITS ARE APPROXIMATE AND HAVE BEEN USED FOR ESTIMATING PURPOSES ONLY. ACTUAL GRUBBING LIMITS MAY VARY BASED ON FIELD CONDITIONS AS DIRECTED BY THE RESIDENT.
4. THE CONTRACTOR SHALL PLAN AND CONDUCT THEIR WORK ACCORDINGLY SO THAT UPON FINAL COMPLETION OF THE PROJECT THERE IS NO DROP-OFF FROM THE EDGE OF SHOULDER PAVEMENT.
5. ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN ACCEPTABLE WASTE AREAS REVIEWED BY THE RESIDENT. GRADING, SEEDING AND MULCHING OF WASTE AREAS SHALL BE CONSIDERED INCIDENTAL.
6. REQUIRED DITCH PROTECTION SHOWN ON THE PLANS OR IN THE CONSTRUCTION NOTES IS FOR ESTIMATING PURPOSES ONLY.THE ACTUAL TYPE AND LOCATION OF DITCH PROTECTION MAY BE ALTERED BY THE RESIDENT.
7. GRANULAR BORROW USED TO BACKFILL MUCK EXCAVATION OR IN LOW WET AREAS TO 1 FOOT ABOVE WATER LEVEL OR OLD GROUND SHALL MEET REQUIREMENTS FOR GRANULAR BORROW MATERIAL FOR UNDERWATER BACKFILL AS SPECIFIED IN STANDARD SPECIFICATIONS ITEM 703.19, GRANULAR BORROW.
8. EXISTING INSLOPES IN PROPOSED FILL AREAS SHALL BE BENCHED BY EXCAVATING STEPS OF SUFFICIENT WIDTH TO PERMIT PLACING AND COMPACTING THE FILL MATERIAL ALONG WITH THE MATERIAL REMOVED.
9. ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING (OR MILLING) SHALL BE INCIDENTAL TO THE RELATED PAVING (OR MILLING) ITEMS.THIS INCLUDES KILLING AND REMOVAL OF ALL VEGETATIVE MATTER.
10. GRAVEL ENTRANCES SHALL BE CONSTRUCTED WITH 14 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL OR 11 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL AND 3 INCHES OF UNTREATED AGGREGATE SURFACE COURSE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.
11. A 3-FOOT PAVED LIP SHALL BE PLACED AT ALL UNPAVED ENTRANCES UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.
12. THE ALGEBRAIC DIFFERENCE BETWEEN TRAVELWAY AND SHOULDER CROSS SLOPE SHALL NOT EXCEED 8 PERCENT.
13. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
14. ALL EXISTING GUARDRAIL DESIGNATED TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR.REMOVAL AND DISPOSAL SHALL BE PAID FOR UNDER ITEM 606.363 GUARDRAIL REMOVE AND DISPOSE.
15. DIRTY BORROW HAS BEEN ESTIMATED FOR ALL DISTURBED SLOPE AREAS OTHER THAN LAWN AREAS. ACTUAL PLACEMENT OF THE DIRTY BORROW SHALL BE AS NOTED ON THE PLANS OR DESIGNATED BY THE RESIDENT.
16. SEEDING METHOD NO.2 SHALL BE UTILIZED ON ALL AREAS.
17. DIRTY BORROW SHALL BE PLACED TO A NOMINAL DEPTH OF 2 INCHES UNLESS OTHERWISE NOTED OR DIRECTED.
18. ANY DAMAGE TO THE SLOPES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.
19. THE PROJECT GEOTECHNICAL REPORT TITLED "GEOTECHNICAL DESIGN REPORT FOR THE REPLACEMENT OF LARGE CULVERT \*46688", SOILS REPORT 2024-36, NOVEMBER 12, 2024 CAN BE ACCESSED AT THE MAINEDOT WEBSITE [HTTP://WWW.MAINE.GOV/MDOT/CONTRACTORS/](http://www.maine.gov/mdot/contractors/).
20. GEOTECHNICAL INFORMATION FURNISHED OR REFERRED TO IN THE BID DOCUMENTS IS FOR THE USE OF THE BIDDERS.NO ASSURANCE IS GIVEN THAT THE INFORMATION OR INTERPRETATIONS WILL BE REPRESENTATIVE OF THE ACTUAL SUBSURFACE CONDITIONS THROUGHOUT THE CONSTRUCTION SITE. MAINEDOT WILL NOT BE RESPONSIBLE FOR ANY INTERPRETATIONS OR CONCLUSIONS DRAWN FROM THE GEOTECHNICAL INFORMATION. THE BORING LOGS PROVIDED IN THE BID DOCUMENTS (IF ANY) PRESENT FACTUAL AND INTERPRETIVE SUBSURFACE INFORMATION COLLECTED AT DISCRETE LOCATIONS. DATA PROVIDED MAY NOT BE REPRESENTATIVE OF THE SUBSURFACE CONDITIONS BETWEEN BORING LOCATIONS.
21. AREAS ON THE PROJECT REQUIRING FILL WILL COME FROM SUITABLE SITES SUCH AS EXCAVATION, DITCH AND INSLOPE OR EQUIPMENT RENTAL AREAS.
22. NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT AND LAYOUT OF WORK BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.
23. FINAL STRIPING FOR THE PROJECT SHALL BE DONE BY THE CONTRACTOR PER THE STRIPING LAYOUT IN THE CONTRACT DOCUMENTS OR AS PROVIDED BY THE DEPARTMENT. PAYMENT SHALL BE MADE UNDER THE APPROPRIATE CONTRACT ITEMS.
24. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ACCESS TO OR TEMPORARILY RELOCATING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE. PAYMENT FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

DESIGN LOADS, MATERIALS, AND SPECIFICATIONS

1. DESIGN LOADING: HL-93.
2. DESIGN METHOD: LOAD AND RESISTANCE FACTOR DESIGN (LRFD).
3. SPECIFICATIONS:  
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH ED., 2020.  
AS AMENDED BY MAINEDOT BRIDGE DESIGN GUIDE (CURRENT EDITION).
4. FOUNDATION DATA:  
SPREAD FOOTING SUPPORTED ON BEDROCK.  
  
LRFD BEARING CAPACITY ON BEDROCK:  
SERVICE 1: 40 KSF.  
STRENGTH 1: 90 KSF.
5. MATERIALS:  
CONCRETE FOOTINGS: CLASS A, 4,000 PSI AT 28 DAYS.  
  
REINFORCING STEEL: AASHTO M31 (ASTM A 615) GRADE 60.  
ALL BARS EPOXY COATED, UNLESS OTHERWISE NOTED.  
  
STEEL PLATE ARCHES: AASHTO M 167/167M, HOT DIP GALVANIZED.

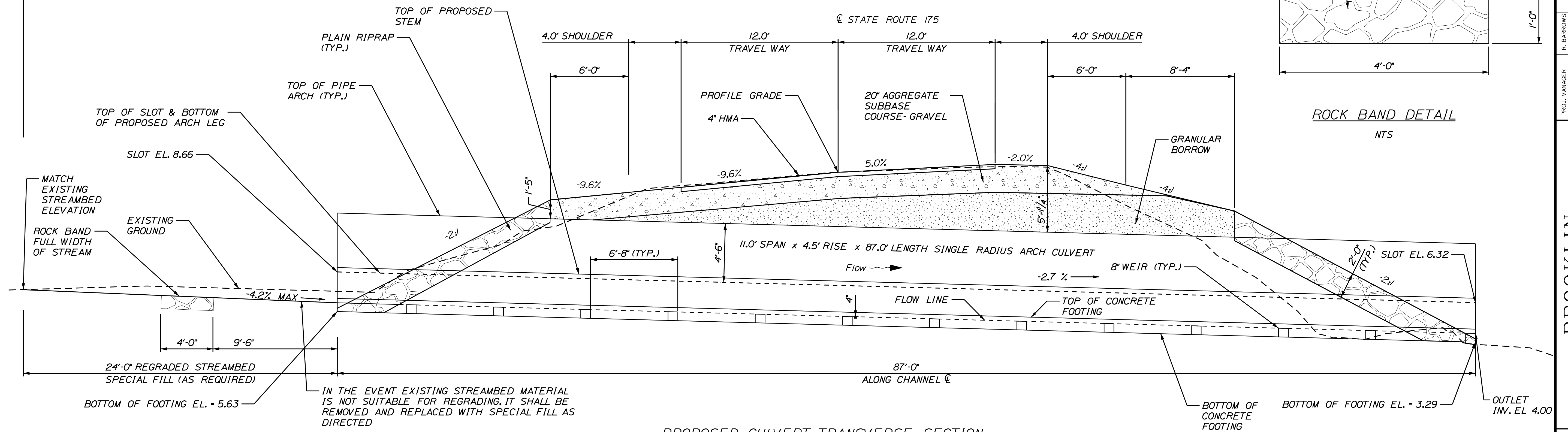
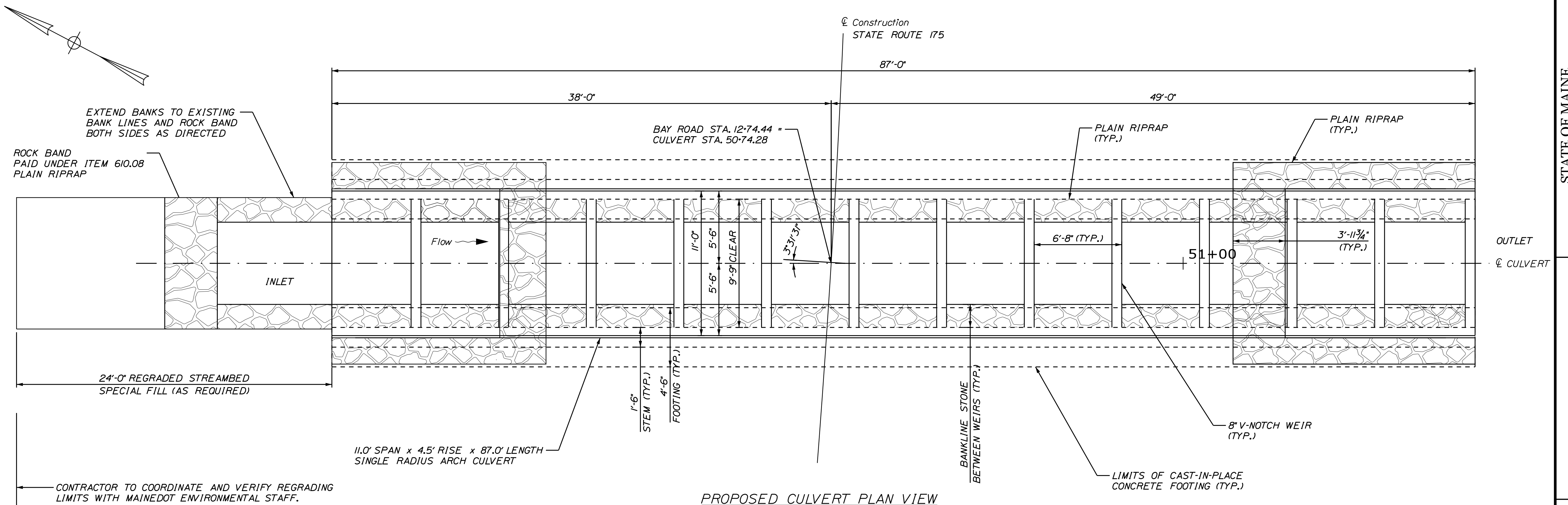
REINFORCING STEEL NOTES

1. REINFORCING STEEL SHALL HAVE A MINIMUM CONCRETE COVER OF 2.5 INCHES, UNLESS NOTED OTHERWISE.
2. ANY EPOXY COATED REBARS THAT ARE CUT TO FIT IN THE FIELD SHALL BE TOUCHED UP WITH AN APPROVED EPOXY COATING MATERIAL. ALL COSTS SHALL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE 503 SERIES PAY ITEM.
3. MINIMUM LAP SPLICES LENGTHS SHALL BE AS FOLLOWS:  
\*4: 17-1/2"

CONCRETE NOTES

1. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4", UNLESS NOTED OTHERWISE.
2. SHEAR KEYS SHALL BE 3" HIGH BY 1/3 THE WIDTH OF THE JOINT, CENTERED, UNLESS NOTED OTHERWISE.
3. CONTRACTION JOINTS SHALL BE PLACED AT A MAXIMUM OF 30 FT SPACING ALONG FOOTINGS AND STEMS.

|                                                |                             |                   |             |             |           |             |
|------------------------------------------------|-----------------------------|-------------------|-------------|-------------|-----------|-------------|
| SHEET NUMBER<br><br>4<br><br>OF 20             | BROOKLIN<br>STATE ROUTE 175 | PROJ. MANAGER     | R. BARROWS  | BY          | DATE      |             |
|                                                |                             | DESIGN-DETAILED   | C. BELLISLE | B. BRESLEND | DEC. 2022 |             |
|                                                |                             | CHECKED-REVIEWED  |             |             |           |             |
|                                                |                             | DESIGN2-DETAILED2 | O. DALMER   | B. BRESLEND | JAN. 2024 |             |
|                                                |                             | DESIGN3-DETAILED3 | M. STINK    | B. BRESLEND | NOV. 2024 |             |
|                                                | GENERAL NOTES               | REVISIONS 1       |             |             |           | P.E. NUMBER |
|                                                |                             | REVISIONS 2       |             |             |           |             |
|                                                |                             | REVISIONS 3       |             |             |           |             |
|                                                |                             | REVISIONS 4       |             |             |           | DATE        |
|                                                |                             | FIELD CHANGES     |             |             |           |             |
| STATE OF MAINE<br>DEPARTMENT OF TRANSPORTATION |                             |                   |             |             |           |             |
| 23531.00                                       |                             |                   |             |             |           |             |
| WIN<br>23531.00                                |                             |                   |             |             |           |             |
| HIGHWAY PLANS                                  |                             |                   |             |             |           |             |



|                              |               |
|------------------------------|---------------|
| STATE OF ARIZONA             |               |
| DEPARTMENT OF TRANSPORTATION |               |
| <b>23531.00</b>              |               |
| <b>WIN</b>                   |               |
| <b>23531.00</b>              | HIGHWAY PLANS |

|                      |            |             |           |
|----------------------|------------|-------------|-----------|
| DESIGN-DETAILED      | C. BELLISE | B. PRESLEND | DEC. 2022 |
| CHECKED REVIEWED     | O. DALMER  | B. PRESLEND | JAN. 2024 |
| DESIGN-DRAWING TALED | M. SITNIK  | B. PRESLEND | NOV. 2024 |
| REVISIONS 1          |            |             |           |
| REVISIONS 2          |            |             |           |
| REVISIONS 3          |            |             |           |
| REVISIONS 4          |            |             |           |
| FIELD CHANGES        |            |             |           |
| SIGNATURE            |            |             |           |
| P.E. NUMBER          |            |             |           |
| DATE                 |            |             |           |

BROOKLIN  
STATE ROUTE 175  
SPECIAL DETAILS

SHEET NUMBER

5

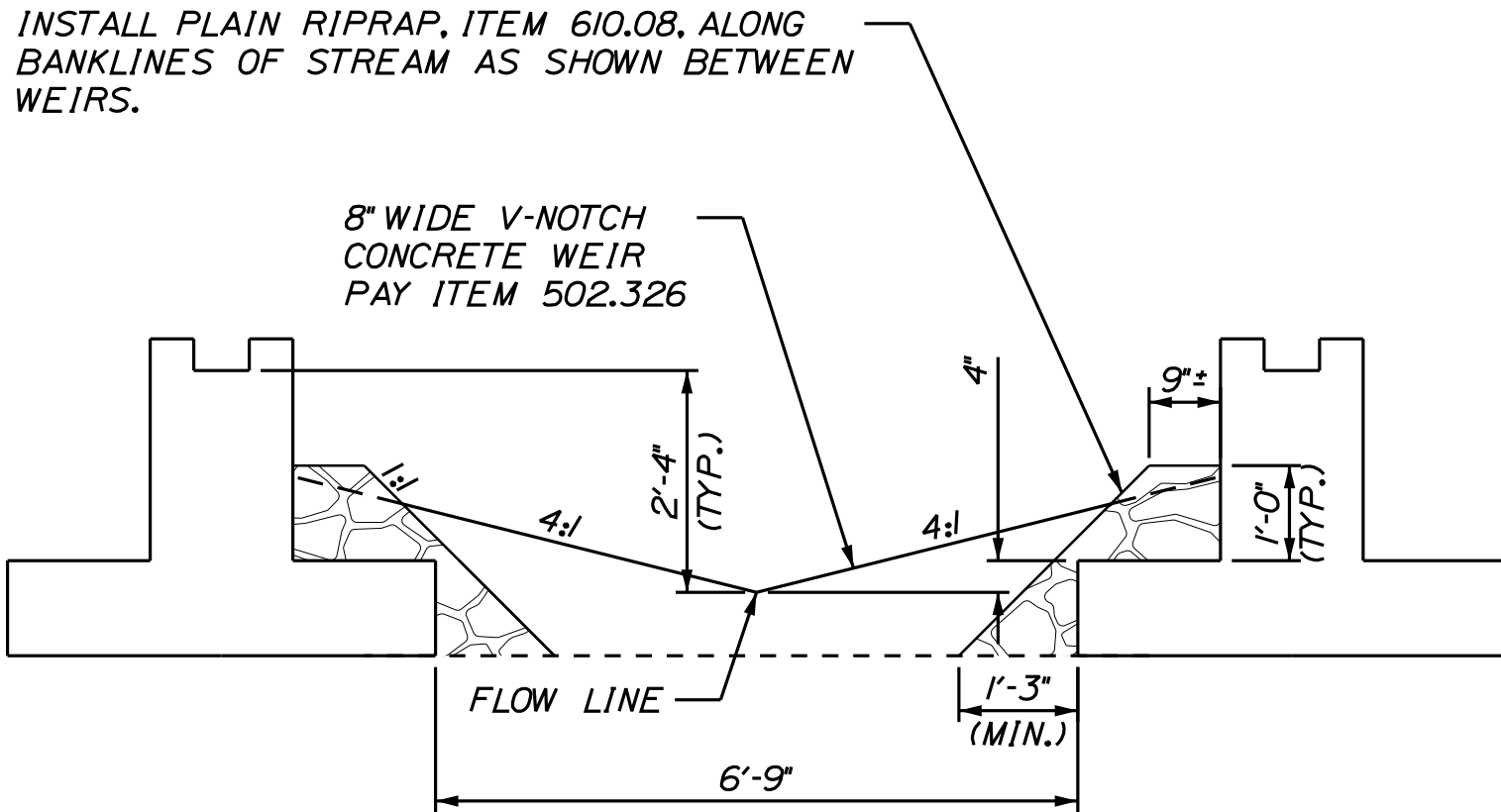
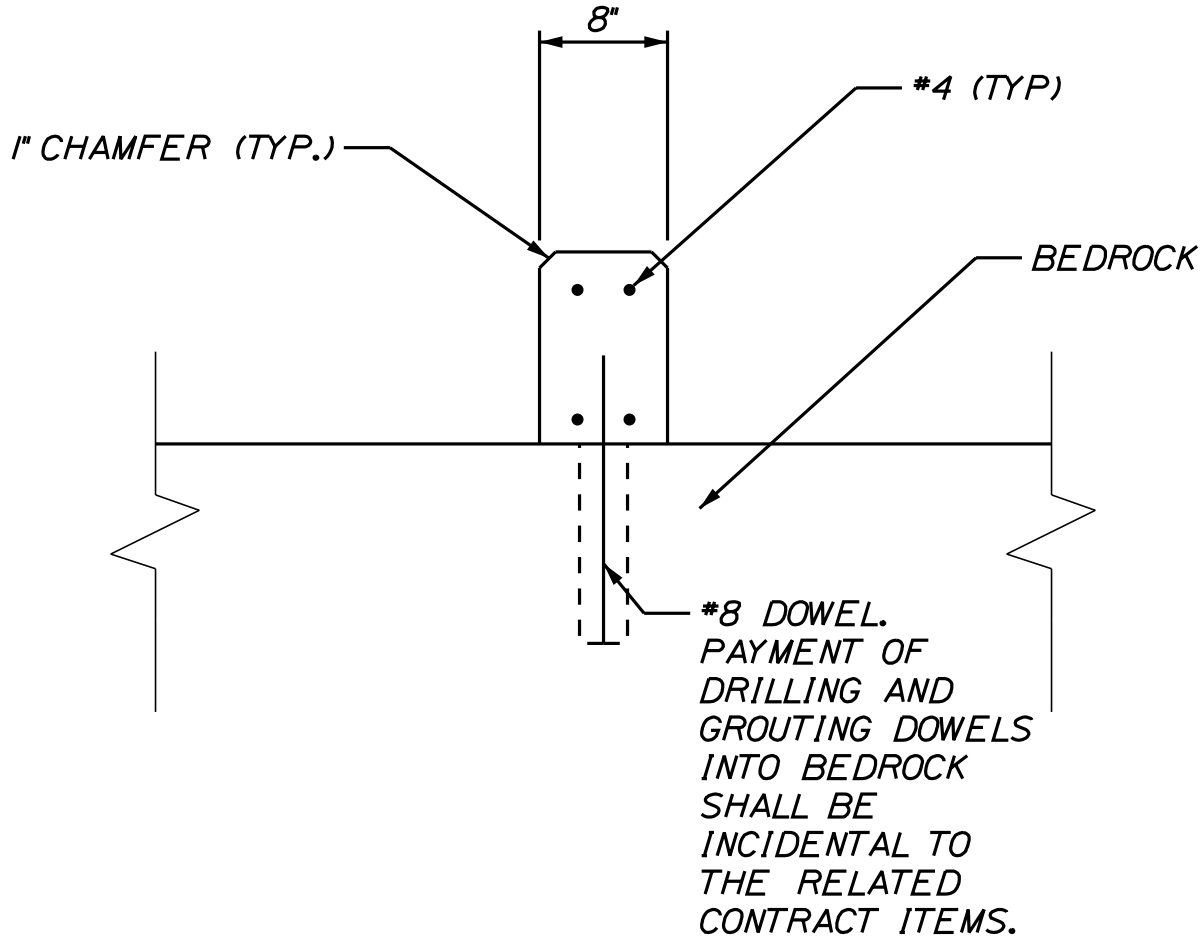
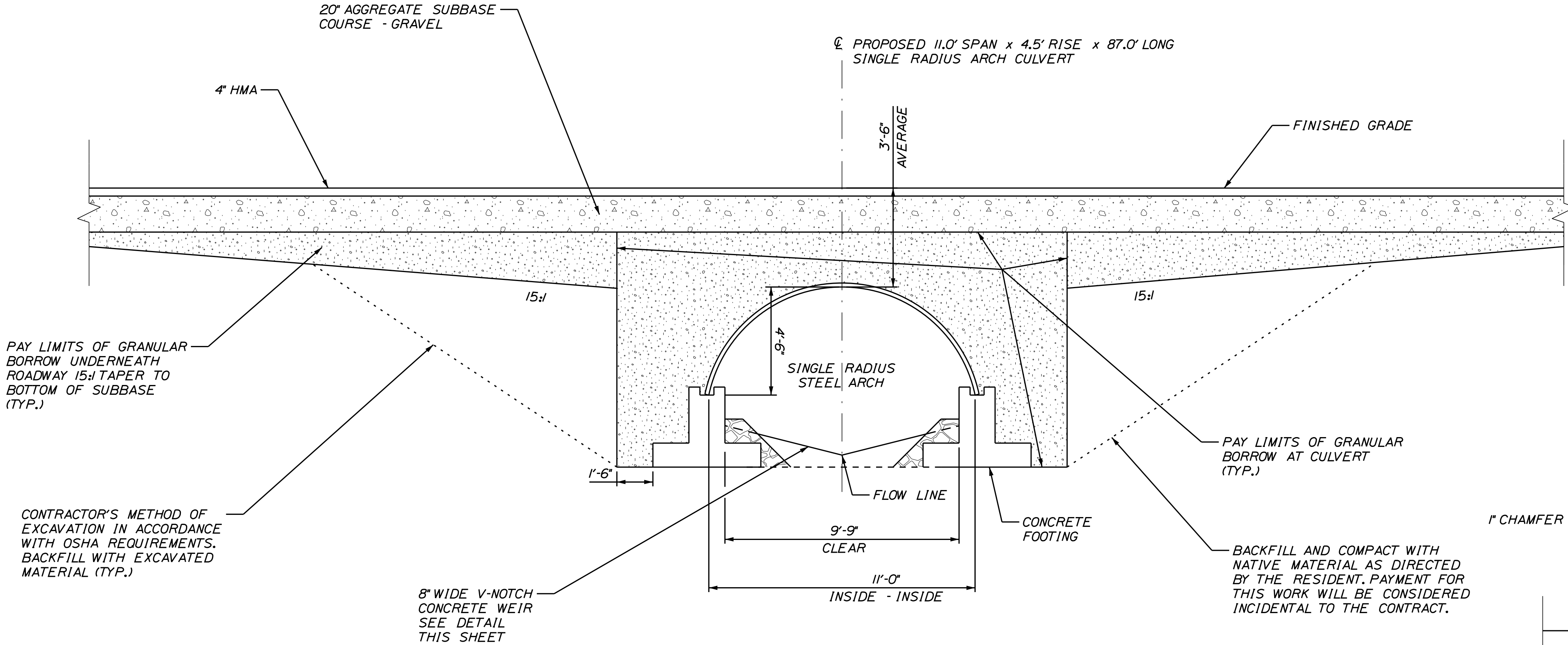
OF 20

Date:12/18/2024

Username: bbreslend

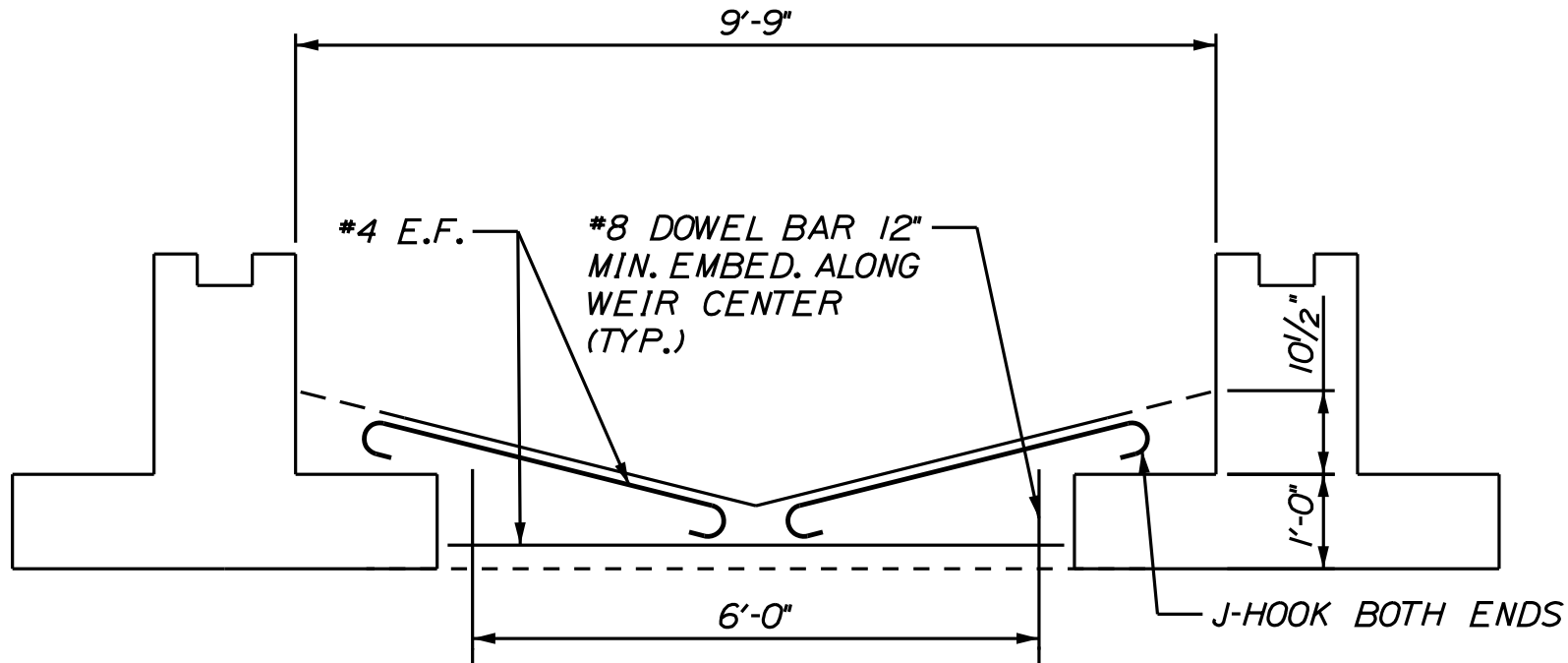
Division: BRIDGE

Filename: 006\_PIPE\_DET.dwg



- NOTES:
- WEIR FLOW LINE HEIGHT IS VARIABLE ABOVE BEDROCK.
  - IF THE HEIGHT OF THE WEIR AT THE FLOW LINE IS LESS THAN 6', IT SHALL BE APPROVED BY THE RESIDENT AND MAINEDOT ENVIRONMENTAL STAFF.

- CULVERT NOTES:
- COFFERDAMS ARE TO BE PLACED AT BOTH THE UPSTREAM AND THE DOWNSTREAM ENDS OF THE CULVERT TO ALLOW WATER TO BE PUMPED AND REMOVED DURING CONSTRUCTION OF THE CULVERT.
  - PLAIN RIPRAP WILL BE USED TO INSLOPE AROUND THE CULVERT ENDS AT BOTH THE INLET AND OUTLET. SEE PLAN AND PROFILE FOR LOCATIONS.
  - UPSTREAM LIMITS OF REGRADING, LAYOUT, AND CONFIGURATION OF RIPRAP IN THE STREAM BED AND ON THE SLOPES SHALL BE APPROVED BY THE RESIDENT AND/OR MAINEDOT ENVIRONMENTAL STAFF.
  - PRIOR TO PLACING CONCRETE, THE BEDROCK SURFACE SHALL BE CLEANED OF ALL WEATHERED BEDROCK, FRACTURED MATERIAL, LOOSE SOIL, AND/OR PONDED WATER USING HIGH-PRESSURE WATER AND AIR. SMOOTH BEDROCK SHOULD BE ROUGHENED OR SERRATED PRIOR TO PLACING CONCRETE TO ENHANCE SLIDING STABILITY. CONCRETE FOOTING SHALL BE PLACED IN THE DRY.
  - BEDROCK EXCAVATION FOR THE APPROACH/DEPARTURE CHANNEL REALIGNMENT AT THE CULVERT ENDS AND BETWEEN FOOTERS SHALL BE FIELD VERIFIED AND ADJUSTED IN COORDINATION WITH MAINEDOT ENVIRONMENTAL STAFF TO MINIMIZE OVER EXCAVATION. WHERE ENCOUNTERED, THE BEDROCK SURFACE SHALL REMAIN IF FEASIBLE AND NOT BE OVER EXCAVATED TO PLACE RIPRAP.
  - CONSTRUCTION ACTIVITIES SHOULD NOT BE PERMITTED TO CREATE ANY OPEN FISSURES IN THE BEDROCK SURFACE.
  - ANY IRREGULARITIES IN THE EXISTING BEDROCK SURFACE OR IRREGULARITIES CREATED DURING THE EXCAVATION PROCESS SHALL BE BACKFILLED WITH SEAL CONCRETE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
  - BLASTING TO PREPARE THE BEDROCK SURFACE SHALL BE CONDUCTED IN ACCORDANCE WITH MAINEDOT STANDARD SPECIFICATIONS.
  - THE VOIDS IN THE RIPRAP ALONG THE STREAM BANK LINES ABOVE THE INLET OF THE PIPE ARCH SHALL BE FILLED WITH EXCAVATED NATIVE STREAMBED MATERIAL. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO ITEM 610.08 PLAIN RIPRAP.



|                              |
|------------------------------|
| STATE OF MAINE               |
| DEPARTMENT OF TRANSPORTATION |
| 23531.00                     |
| WIN 23531.00                 |
| HIGHWAY PLANS                |

|                  |              |             |           |
|------------------|--------------|-------------|-----------|
| PROJ. MANAGER    | R. BARROWS   | BY          | DATE      |
| DESIGN-DETAILED  | C. BELLISLE  | IM. DOWNS   | AUG. 2022 |
| CHECKED-REVIEWED | O. D. VALMER | B. BRESLEND | JAN. 2024 |
| DESIGN-DETAILED  | M. STINK     | B. BRESLEND | NOV. 2024 |
| REVISIONS 1      |              |             |           |
| REVISIONS 2      |              |             |           |
| REVISIONS 3      |              |             |           |
| REVISIONS 4      |              |             |           |
| FIELD CHANGES    |              |             |           |

BROOKLIN

STATE ROUTE 175

CULVERT DETAILS

SHEET NUMBER

6

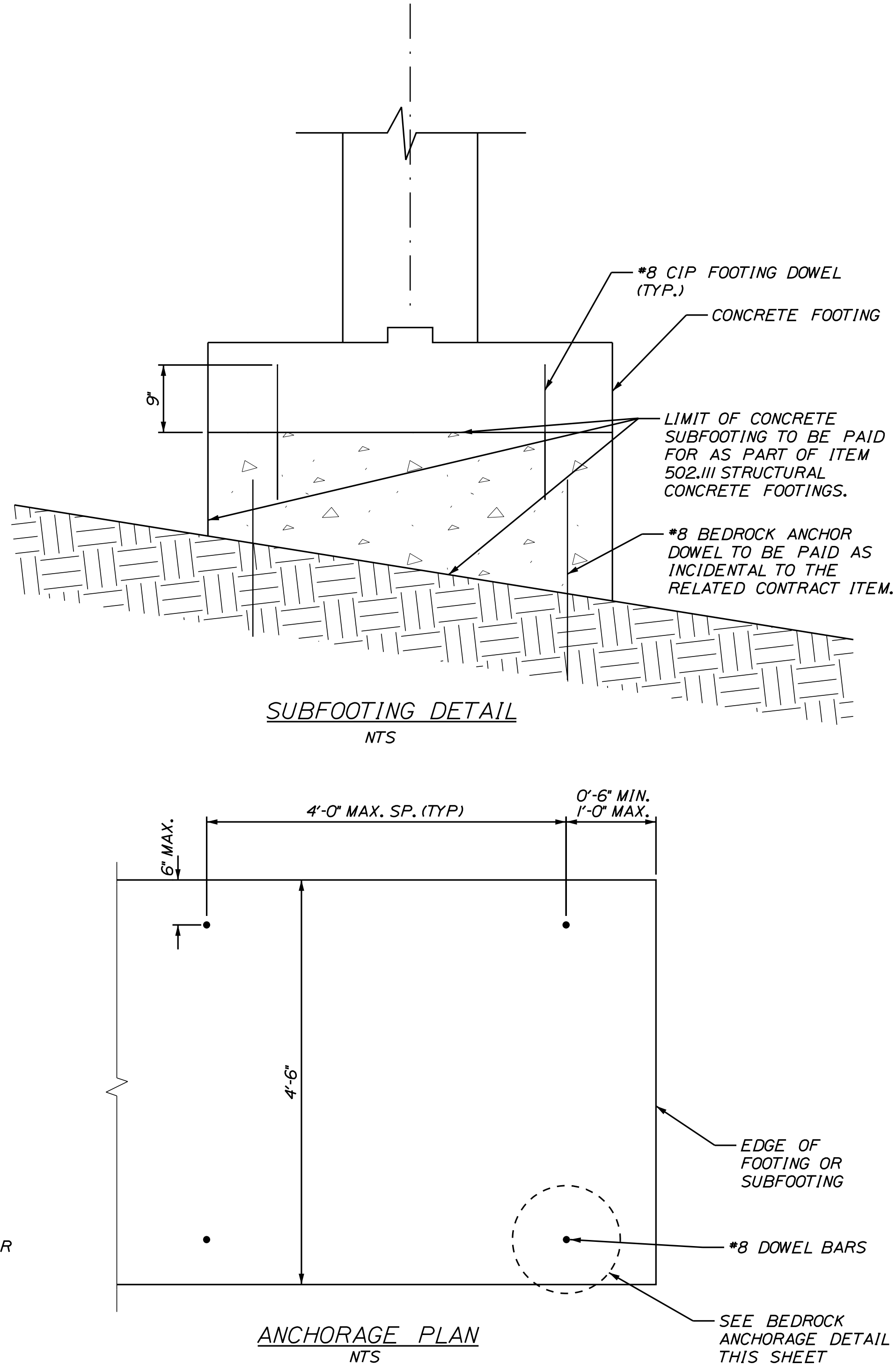
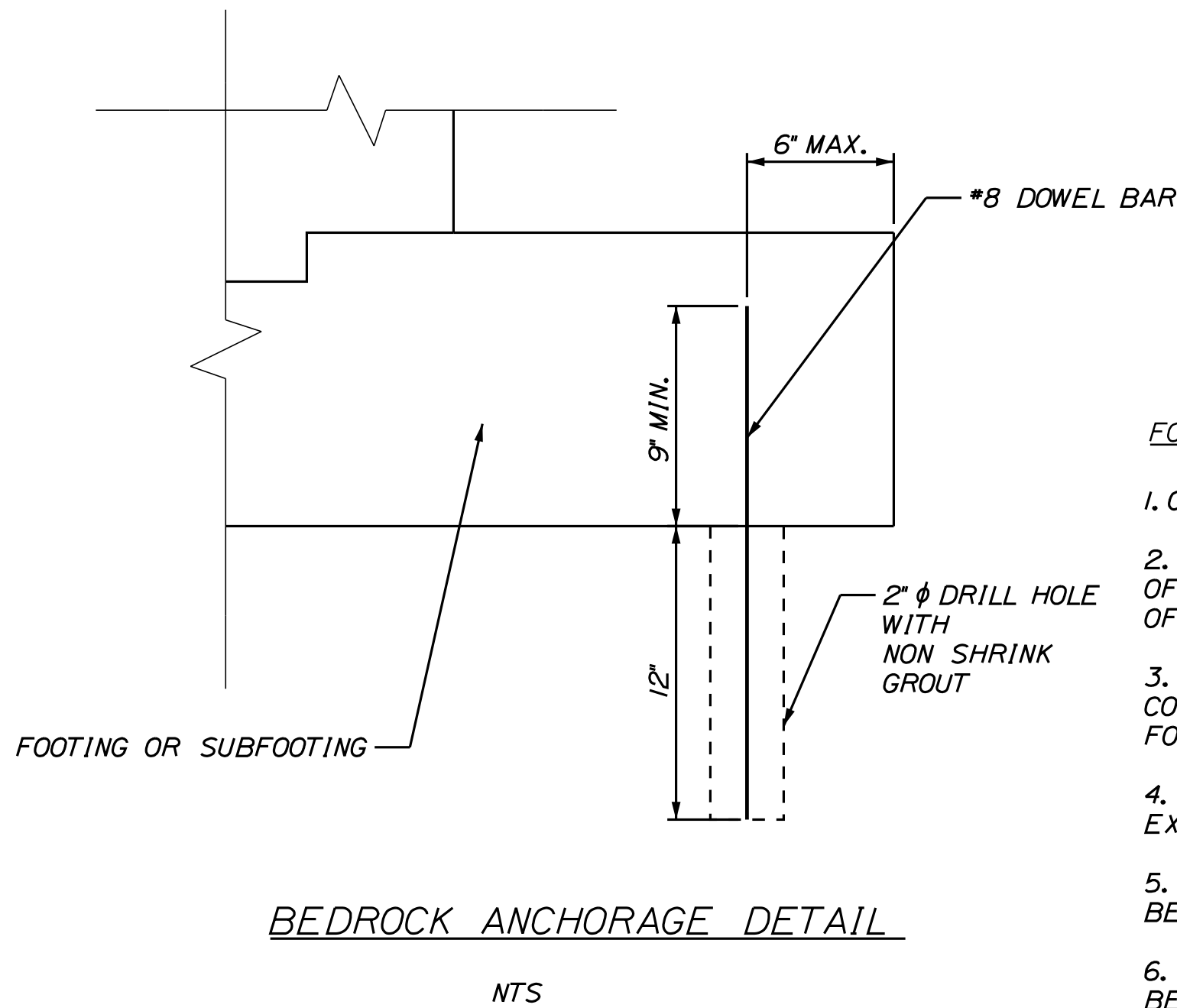
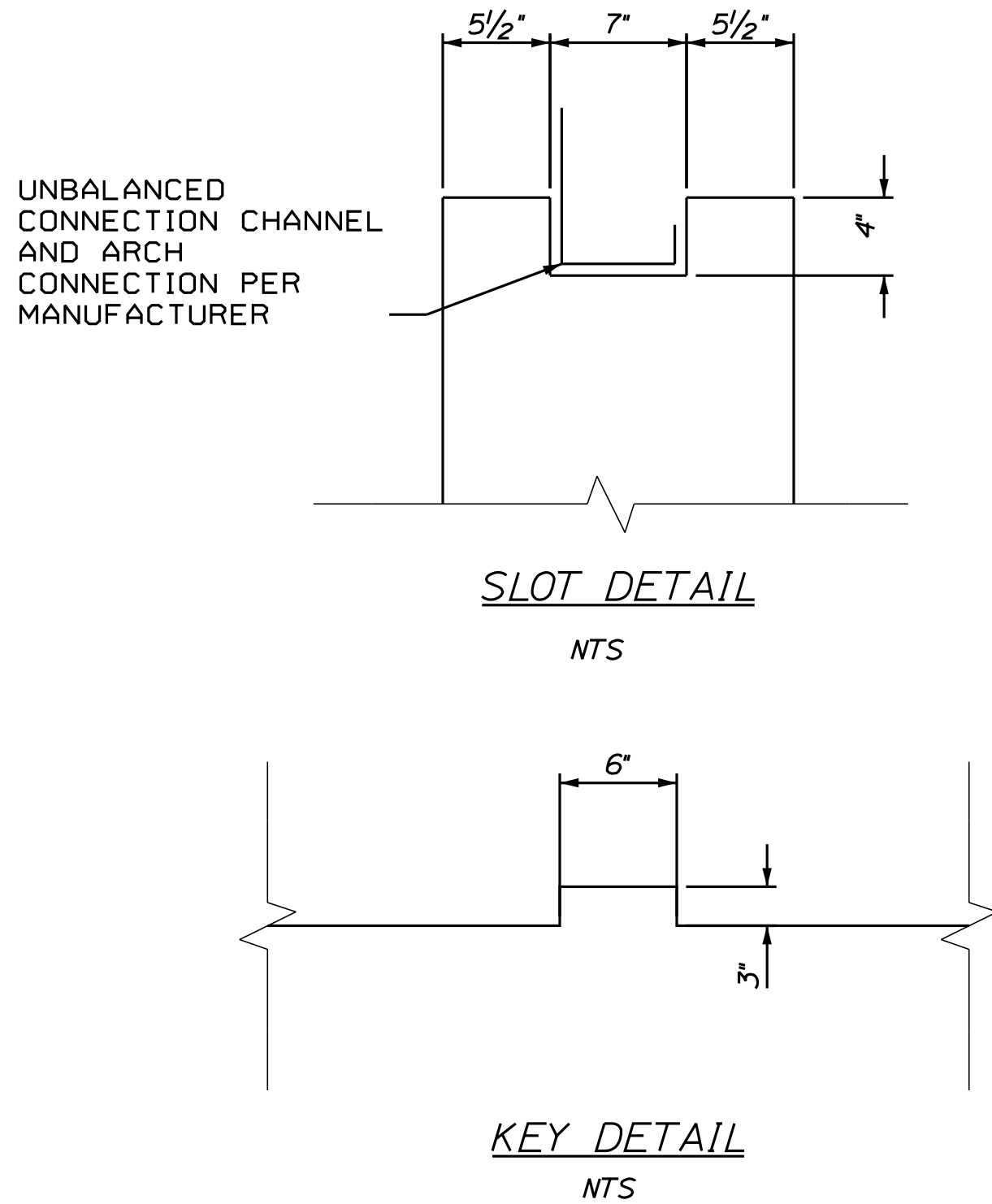
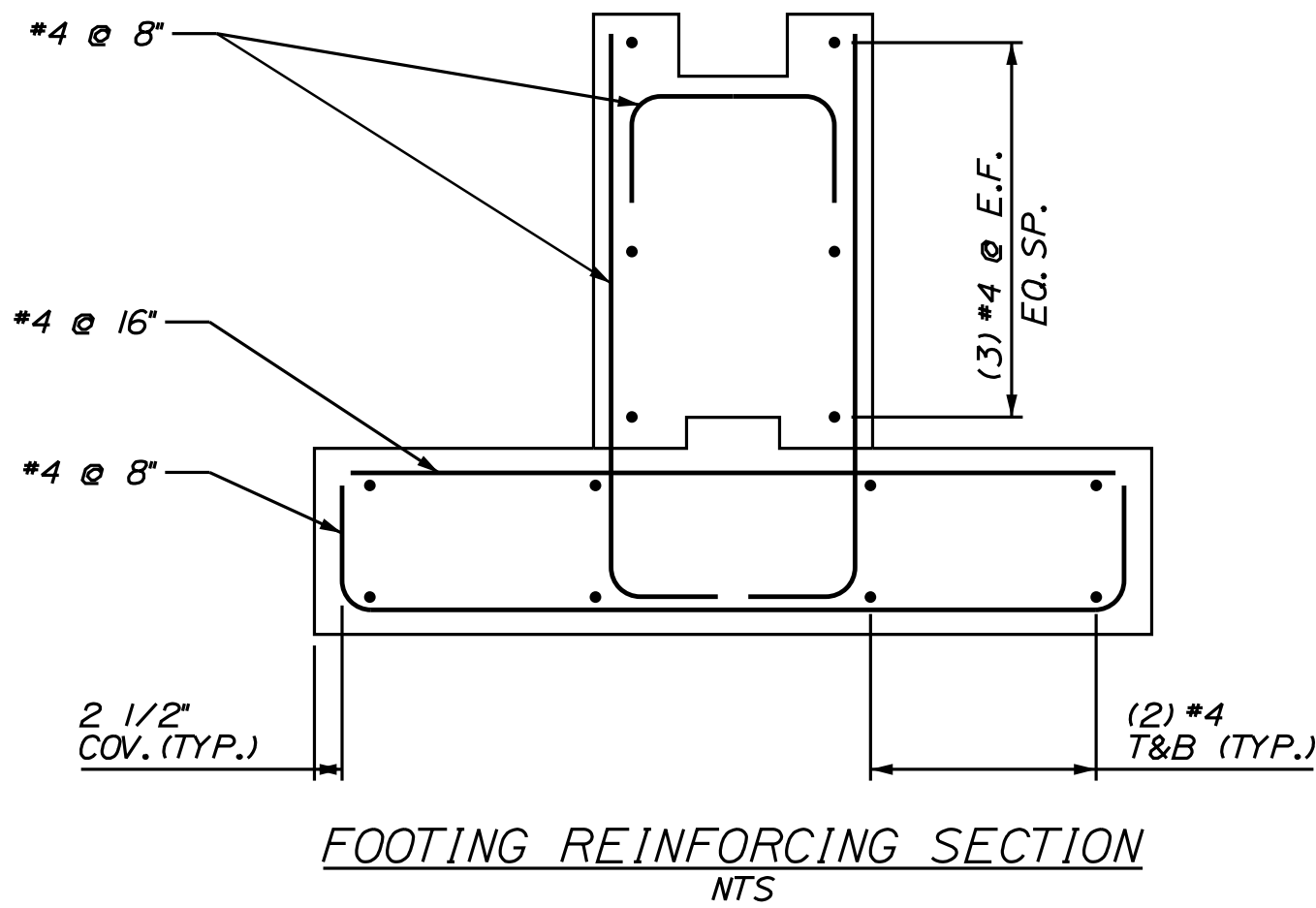
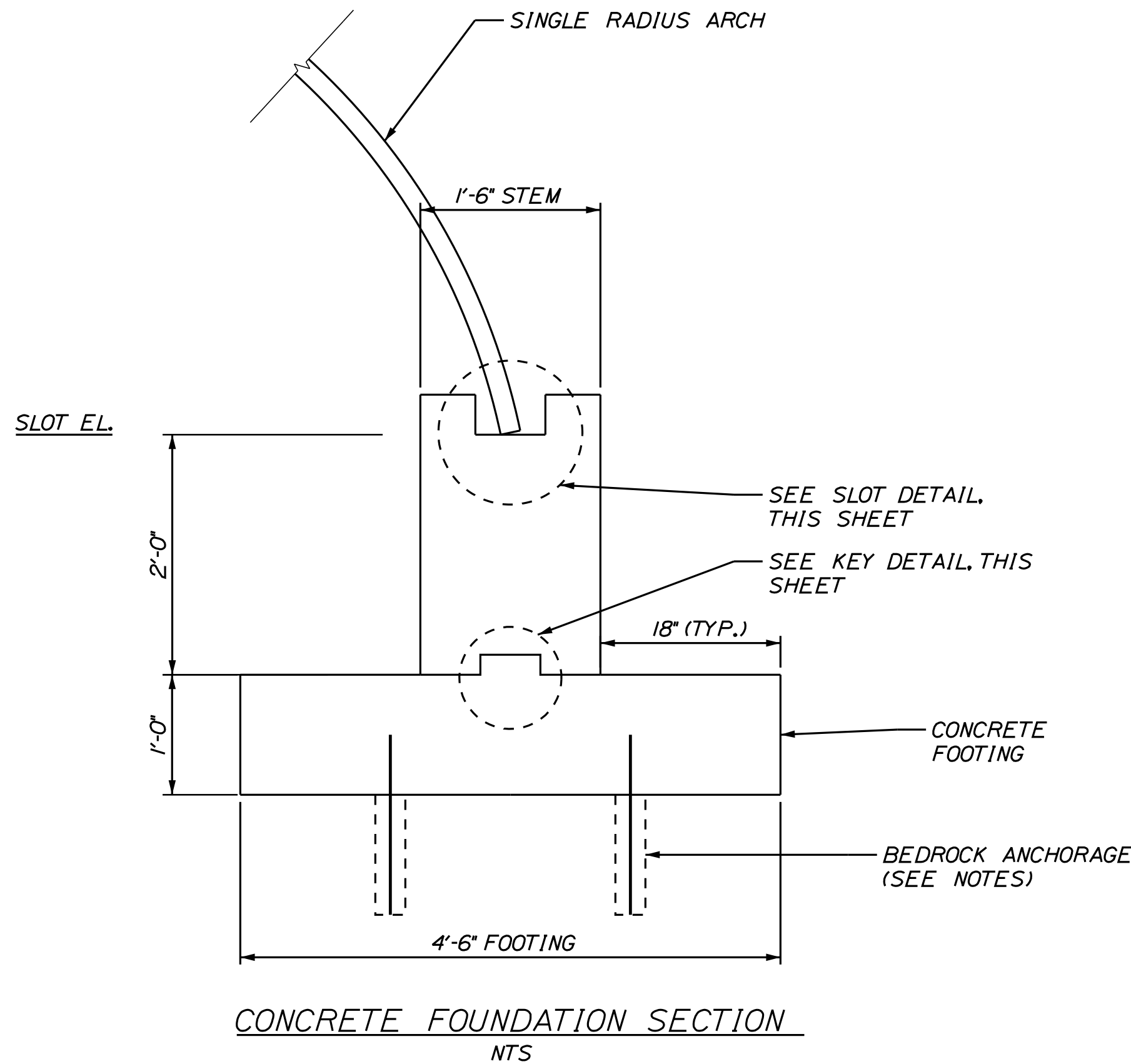
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Date:12/18/2024

Username: bbreslend

Division: BRIDGE

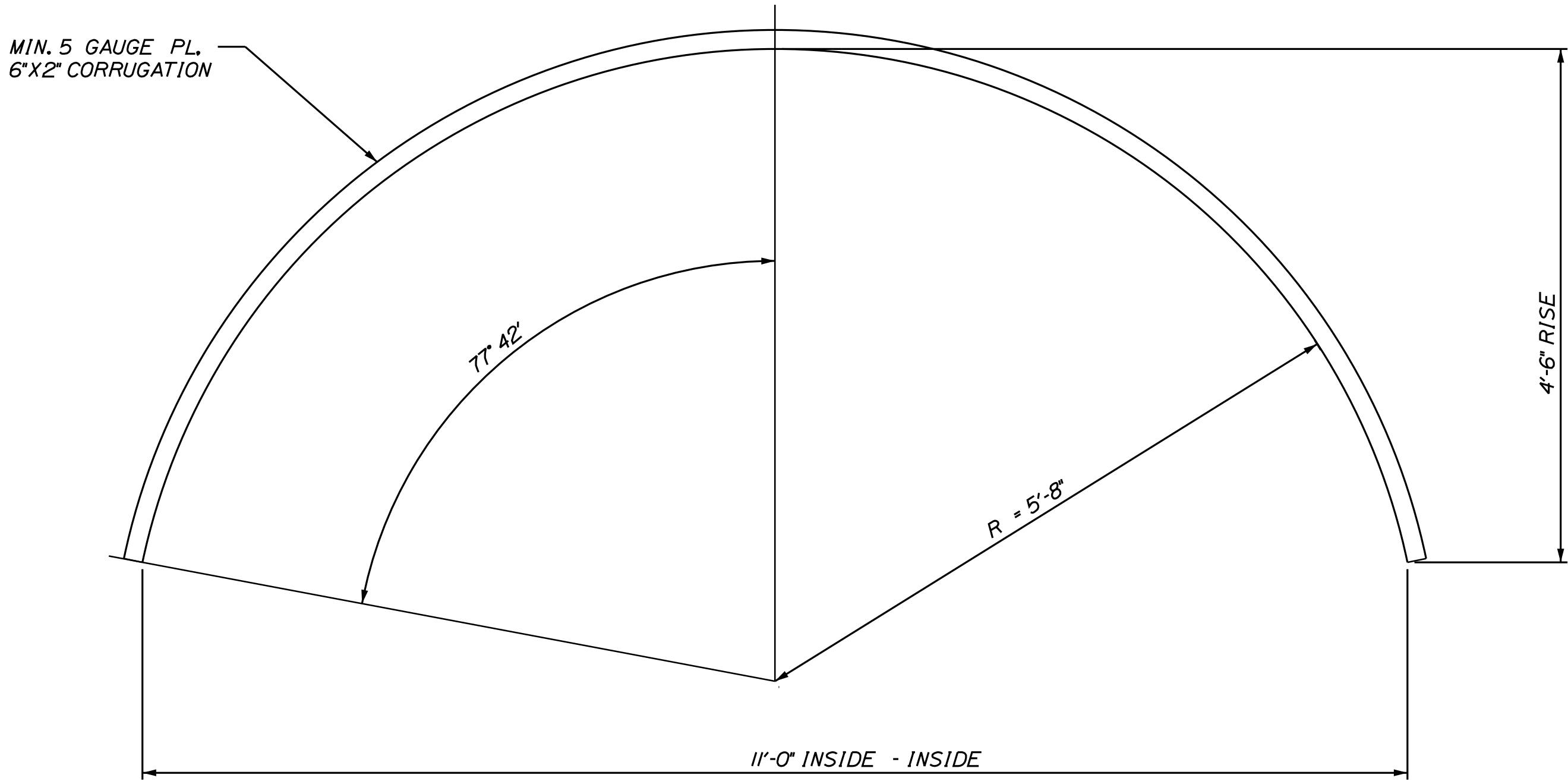
Filename: 007\_PIPE\_DET.dwg



FOOTING NOTES:

1. CONCRETE FOOTING IS TO BE FOUNDED ON BEDROCK.
2. IF BEDROCK IS FOUND TO BE DEEPER THAN THE PROPOSED BOTTOM OF FOOTING, THE BOTTOM OF FOOTING SHALL BE EXTENDED TO TOP OF BEDROCK, WHILE MAINTAINING THE PROPOSED TOP OF FOOTING ELEVATION.
3. IF THE DEPTH OF BEDROCK EXCEEDS 6" BELOW THE PROPOSED BOTTOM OF FOOTING, A CONCRETE SUBFOOTING / LEVELING PAD SHALL BE ANCHORED TO THE BEDROCK AND POURED. FOOTING SHALL THEN BE ANCHORED TO THE SUBFOOTING / LEVELING PAD (STAGGER ANCHORAGES).
4. IF THE DEPTH OF BEDROCK EXCEEDS 12" BELOW THE PROPOSED BOTTOM OF FOOTING, THE EXPOSED FACES (LONGITUDINAL) SHALL BE REINFORCED WITH #4 BARS @ 12" (MAX.) EACH WAY.
5. ANY BEDROCK THAT IS STEEPER THAN 6H:4V, OR AS DIRECTED BY THE RESIDENT, SHALL BE BENCH TO LEVEL STEPS PRIOR TO CASTING FOOTING.
6. IF THE DEPTH OF BEDROCK EXCEEDS 30" BELOW THE FOOTING, THE RESIDENT ENGINEER SHALL BE ALERTED.
7. FOOTING DOWELS SHALL EXTEND 12" INTO THE BEDROCK. THE RESIDENT OR GEOTECHNICAL ENGINEER SHALL APPROVE THE INTEGRITY OF THE BEDROCK SUBGRADE PRIOR TO PLACEMENT OF THE FOOTING DOWELS. PAYMENT OF DRILLING AND GROUTING DOWELS INTO BEDROCK SHALL BE INCIDENTAL TO THE RELATED CONTRACT ITEMS.
8. SEE CULVERT NOTES ON SHEET 6 FOR ADDITIONAL INFORMATION.

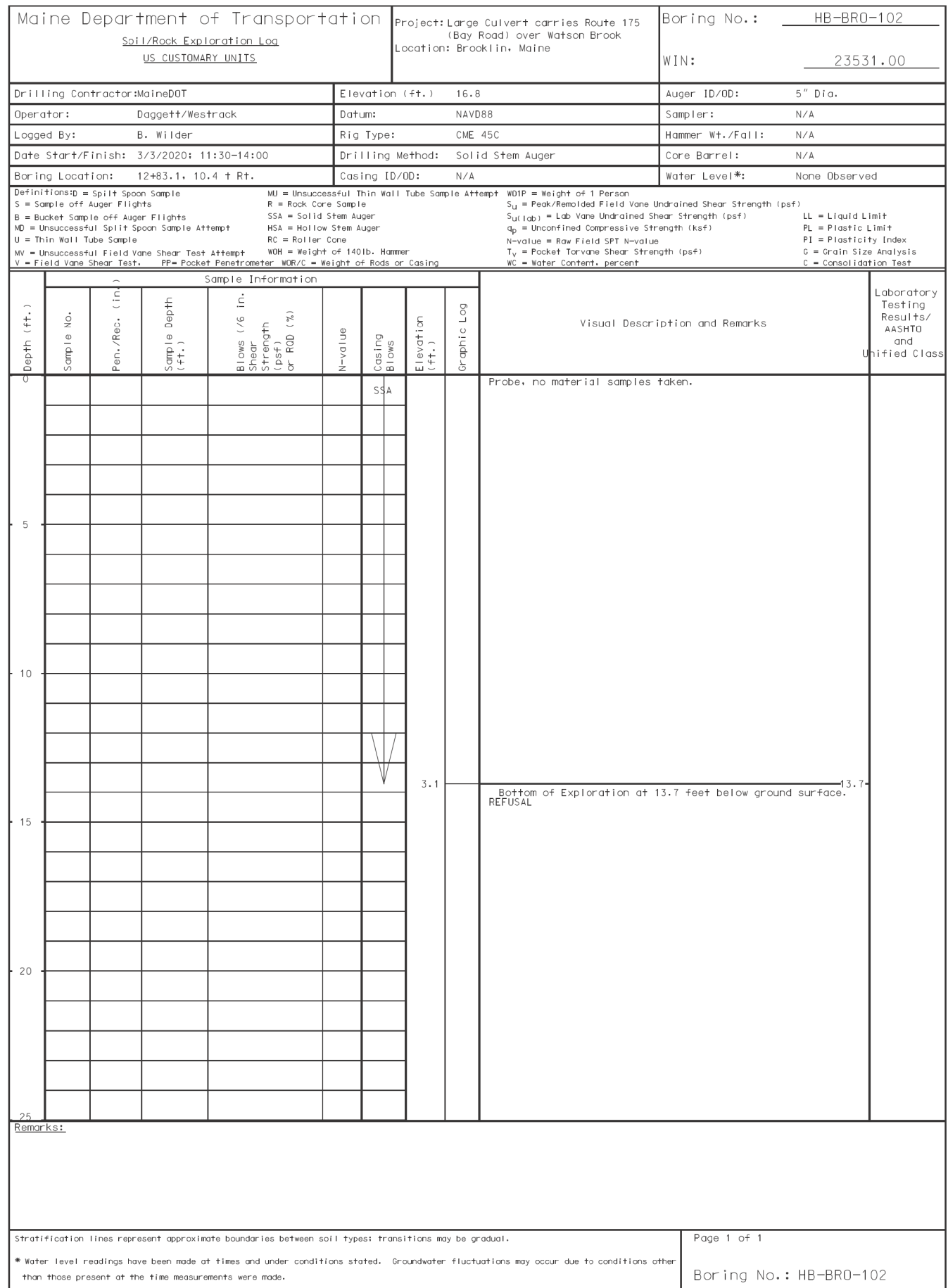
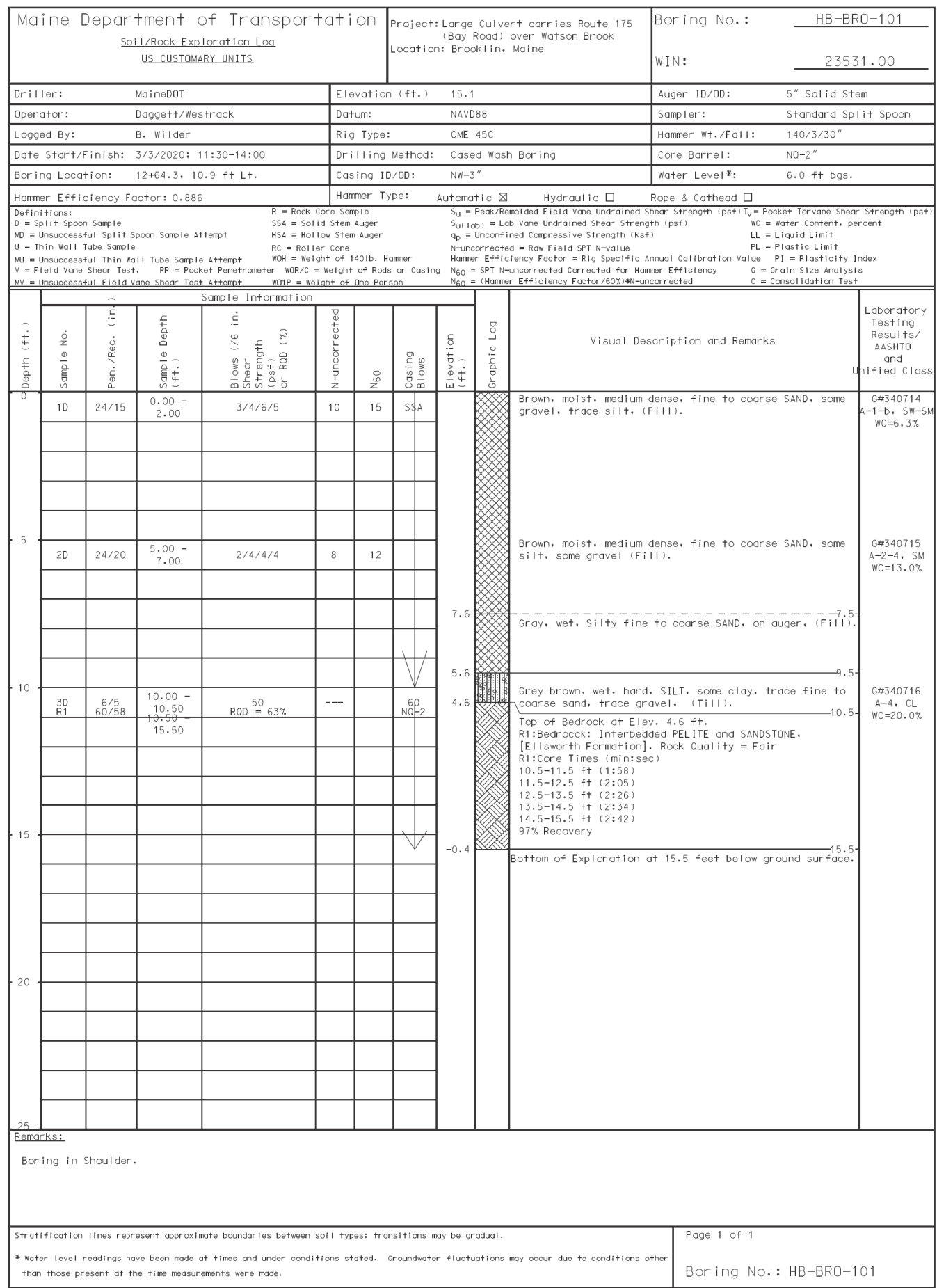
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|-------------------|-------------|------------------------------|-----------|-----------------|--|--------------|--|--------------|--|---------------|--|
| STATE OF MAINE    |             | DEPARTMENT OF TRANSPORTATION |           | 23531.00        |  | WIN          |  | WIN 23531.00 |  | HIGHWAY PLANS |  |
| BROOKLIN          |             | STATE ROUTE 175              |           | CULVERT DETAILS |  | SHEET NUMBER |  | 7            |  | OF 20         |  |
| PROJ. MANAGER     | R. BARROWS  | BY                           | DATE      | SIGNATURE       |  | P.E. NUMBER  |  | DATE         |  |               |  |
| DESIGN-DETAILED   | C. BELLISLE | M. COMS                      | AUG. 2022 |                 |  |              |  |              |  |               |  |
| CHECKED-REVISED   |             |                              |           |                 |  |              |  |              |  |               |  |
| DESIGN2-DETAILED2 | O. DALMER   | B. BRESLEND                  | JAN. 2024 |                 |  |              |  |              |  |               |  |
| DESIGN3-DETAILED3 | M. STINK    | B. BRESLEND                  | NOV. 2024 |                 |  |              |  |              |  |               |  |
| REVISIONS 1       |             |                              |           |                 |  |              |  |              |  |               |  |
| REVISIONS 2       |             |                              |           |                 |  |              |  |              |  |               |  |
| REVISIONS 3       |             |                              |           |                 |  |              |  |              |  |               |  |
| REVISIONS 4       |             |                              |           |                 |  |              |  |              |  |               |  |
| FIELD CHANGES     |             |                              |           |                 |  |              |  |              |  |               |  |



ARCH SECTION  
NTS

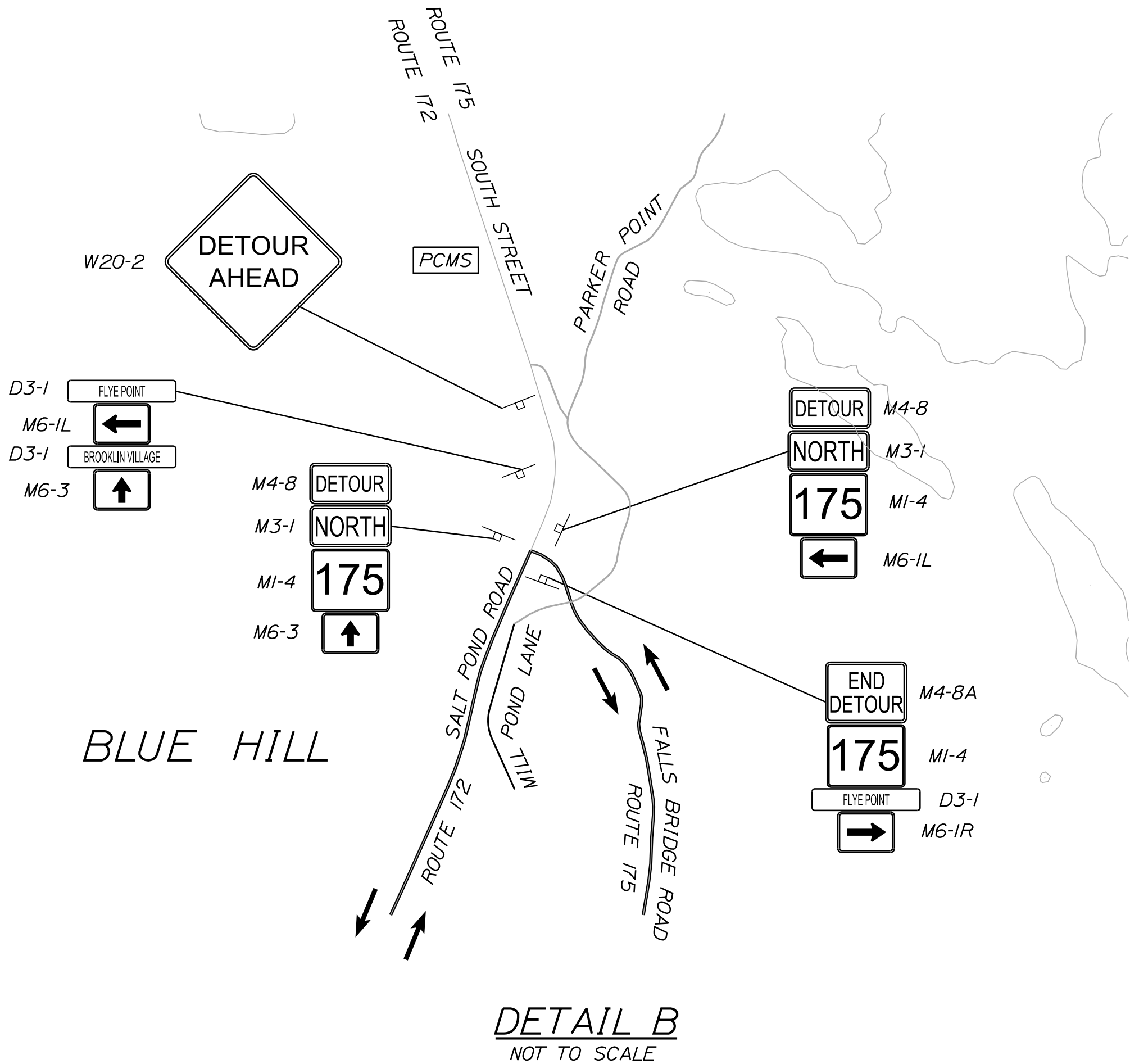
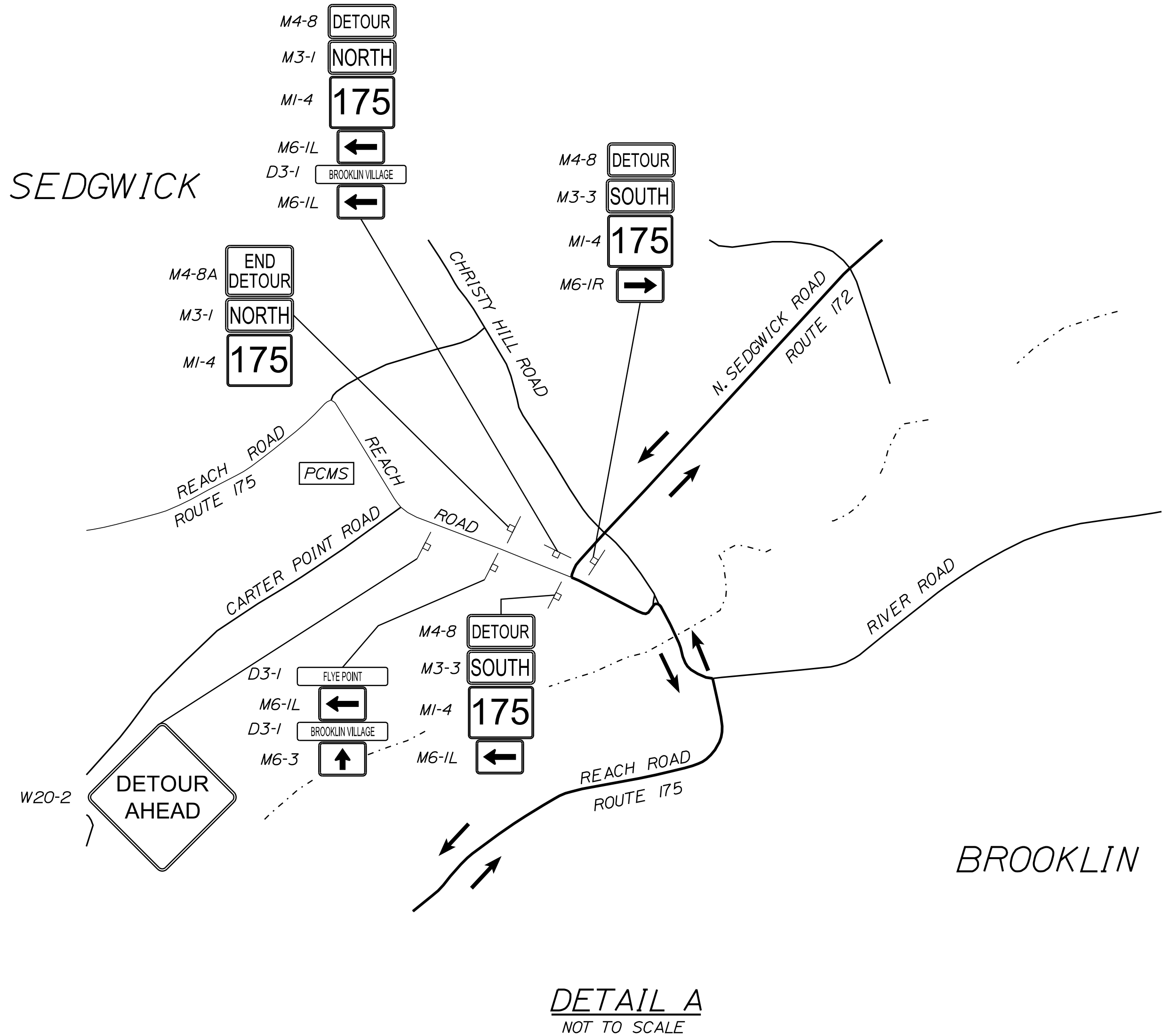
- STEEL STRUCTURE PLATE ARCH NOTES:
1. PRIOR TO MANUFACTURE, CONTRACTOR SHALL SUBMIT ARCH CULVERT SHOP DRAWINGS AND CALCULATIONS FOR APPROVAL BY THE RESIDENT.
2. CONSTRUCTION, HANDLING, AND ASSEMBLY OF METAL ARCH CULVERT SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATION (SECTION 509) AND THE MANUFACTURER'S SPECIFICATIONS WHERE APPLICABLE.
3. SPAN: 11'-0"  
SPAN MEASURED INSIDE-INSIDE OF ARCH.
4. RISE: 4'-6"  
RISE MEASURED FROM BOTTOM OF SLOT TO BOTTOM OF PLATE CORRUGATIONS.
5. MINIMUM GAUGE OF STEEL ARCH PLATES SHALL BE 5 GA.
6. MINIMUM CORRUGATION SHALL BE 6" PITCH X 2" DEPTH.

|                                                    |  |  |  |                   |             |             |           |                                                |  |  |  |
|----------------------------------------------------|--|--|--|-------------------|-------------|-------------|-----------|------------------------------------------------|--|--|--|
| BROOKLIN<br>STATE ROUTE 175<br><br>CULVERT DETAILS |  |  |  | SHEET NUMBER      |             |             |           |                                                |  |  |  |
|                                                    |  |  |  | 8<br><br>OF 20    |             |             |           | STATE OF MAINE<br>DEPARTMENT OF TRANSPORTATION |  |  |  |
|                                                    |  |  |  |                   |             |             |           | 23531.00                                       |  |  |  |
|                                                    |  |  |  |                   |             |             |           | WIN<br>WIN 23531.00<br><br>HIGHWAY PLANS       |  |  |  |
|                                                    |  |  |  | PROJ. MANAGER     | R. BARROWS  | BY          | DATE      | SIGNATURE                                      |  |  |  |
|                                                    |  |  |  | DESIGN-DETAILED   | C. BELLISLE | M. OOMS     | AUG. 2022 |                                                |  |  |  |
|                                                    |  |  |  | CHECKED-REVIEWED  |             |             |           | P.E. NUMBER                                    |  |  |  |
|                                                    |  |  |  | DESIGN-DETAILED 2 | O. DAI MER  | B. BRESLEND | JAN. 2024 |                                                |  |  |  |
|                                                    |  |  |  | DESIGN-DETAILED 3 | M. STINK    | B. BRESLEND | NOV. 2024 | DATE                                           |  |  |  |
|                                                    |  |  |  | REVISIONS 1       |             |             |           |                                                |  |  |  |
|                                                    |  |  |  | REVISIONS 2       |             |             |           |                                                |  |  |  |
|                                                    |  |  |  | REVISIONS 3       |             |             |           |                                                |  |  |  |
| REVISIONS 4                                        |  |  |  |                   |             |             |           |                                                |  |  |  |
| FIELD CHANGES                                      |  |  |  |                   |             |             |           |                                                |  |  |  |

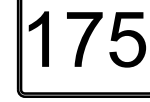


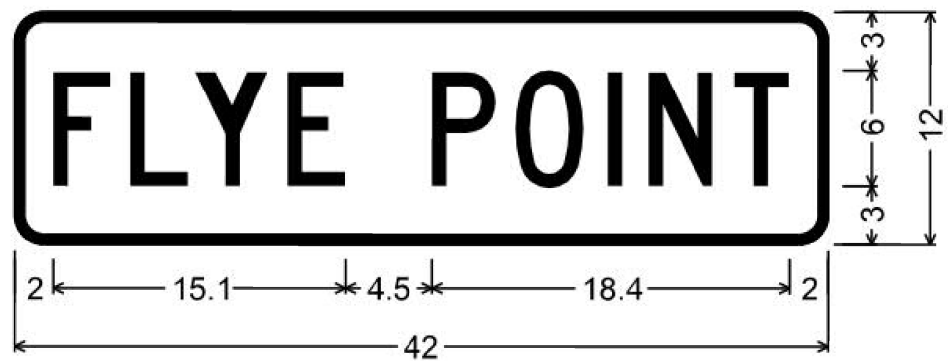
*Note: This generalized interpretive soil profile is intended to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and have been developed by interpretations of widely spaced explorations and samples. Actual soil and bedrock transitions may vary and are probably more erratic. For more specific information refer to the exploration logs.*





|             |  |              |  |                             |  |                                                                                               |  |                                                                    |  |                                                            |  |                   |  |                                                |  |                 |  |
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| 11<br>OF 20 |  | SHEET NUMBER |  | BROOKLIN<br>STATE ROUTE 175 |  | PROJ. MANAGER<br>DESIGN-DETAILED<br>CHECKED-REVISED<br>DESIGN2-DETAILED2<br>DESIGN3-DETAILED3 |  | R. BARROWS<br>C. BELLISLE<br>B. BRESLEND<br>O. DALMER<br>M. SITNIK |  | BY<br>B. BRESLEND<br>JAN. 2024<br>B. BRESLEND<br>NOV. 2024 |  | DATE<br>DEC. 2022 |  | STATE OF MAINE<br>DEPARTMENT OF TRANSPORTATION |  |                 |  |
|             |  |              |  |                             |  |                                                                                               |  |                                                                    |  |                                                            |  |                   |  |                                                |  |                 |  |
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|             |  |              |  |                             |  |                                                                                               |  |                                                                    |  |                                                            |  |                   |  | P.E. NUMBER                                    |  | 23531.00        |  |
|             |  |              |  |                             |  |                                                                                               |  |                                                                    |  |                                                            |  |                   |  | DATE                                           |  | WIN<br>23531.00 |  |
|             |  |              |  |                             |  |                                                                                               |  |                                                                    |  |                                                            |  |                   |  |                                                |  | HIGHWAY PLANS   |  |
|             |  |              |  |                             |  |                                                                                               |  |                                                                    |  |                                                            |  |                   |  |                                                |  |                 |  |
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| IDENTIFICATION NUMBER | SIZE OF SIGN |        | SIGN/ DESCRIPTION                                                                   | NUMBER OF SIGNS REQUIRED | COLOR      |               | AREA PER SIGN (SQUARE FEET) | NOTES |
|-----------------------|--------------|--------|-------------------------------------------------------------------------------------|--------------------------|------------|---------------|-----------------------------|-------|
|                       | WIDTH        | HEIGHT |                                                                                     |                          | BACKGROUND | LEGEND BORDER |                             |       |
| R11-2                 | 48"          | 30"    |    | 2                        | WHITE      | BLACK         | 10.00                       |       |
| W20-3                 | 36"          | 36"    |    | 2                        | ORANGE     | BLACK         | 9.00                        |       |
| W20-3                 | 36"          | 36"    |    | 2                        | ORANGE     | BLACK         | 9.00                        |       |
| M4-8                  | 24"          | 18"    |    | 13                       | ORANGE     | BLACK         | 3.00                        |       |
| M3-1                  | 24"          | 12"    |    | 10                       | WHITE      | BLACK         | 2.00                        |       |
| M3-3                  | 24"          | 12"    |    | 4                        | WHITE      | BLACK         | 2.00                        |       |
| M1-4                  | 24"          | 24"    |    | 15                       | WHITE      | BLACK         | 4.00                        |       |
| M6-1L                 | 21"          | 15"    |    | 7                        | ORANGE     | BLACK         | 2.19                        |       |
| M6-1R                 | 21"          | 15"    |    | 5                        | ORANGE     | BLACK         | 2.19                        |       |
| M6-3                  | 21"          | 15"    |    | 4                        | ORANGE     | BLACK         | 2.19                        |       |
| R11-3a                | 60"          | 30"    |   | 1                        | WHITE      | BLACK         | 12.50                       |       |
| R11-3a                | 60"          | 30"    |  | 1                        | WHITE      | BLACK         | 12.50                       |       |
| M4-8A                 | 24"          | 18"    |  | 2                        | ORANGE     | BLACK         | 3.00                        |       |
| W20-2                 | 36"          | 36"    |  | 2                        | ORANGE     | BLACK         | 9.00                        |       |
| D3-1                  | 42"          | 12"    |  | 3                        | ORANGE     | BLACK         | 3.50                        |       |
| D3-1                  | 66"          | 12"    |  | 3                        | ORANGE     | BLACK         | 5.50                        |       |



DOUBLE - SIDED STREET SIGN  
1.5" Radius, 0.5" Border, White on Green;  
"BROOKLIN VILLAGE", C 80% spacing;

|                              |                             |                                                |             |             |             |
|------------------------------|-----------------------------|------------------------------------------------|-------------|-------------|-------------|
| SHEET NUMBER                 | BROOKLIN<br>STATE ROUTE 175 | PROJ. MANAGER                                  | R. BARROWS  | BY          | DATE        |
|                              |                             | DESIGN-DETAILED                                | C. BELLISLE | B. BRESLEND | DEC. 2022   |
|                              |                             | CHECKED-REVISED                                |             |             |             |
|                              |                             | DESIGN2-DETAILED2                              | D. DALMER   | B. BRESLEND | JAN. 2024   |
|                              | SIGN SUMMARY                | DESIGN3-DETAILED3                              | M. SITNIK   | B. BRESLEND | NOV. 2024   |
|                              |                             | REVISIONS 1                                    |             |             | P.E. NUMBER |
|                              |                             | REVISIONS 2                                    |             |             |             |
|                              |                             | REVISIONS 3                                    |             |             |             |
|                              |                             | REVISIONS 4                                    |             |             | DATE        |
|                              |                             | FIELD CHANGES                                  |             |             |             |
|                              |                             |                                                |             |             |             |
|                              |                             |                                                |             |             |             |
| STATE OF MAINE               |                             | STATE OF MAINE<br>DEPARTMENT OF TRANSPORTATION |             |             |             |
| DEPARTMENT OF TRANSPORTATION |                             |                                                |             |             |             |
| 235331.00                    |                             |                                                |             |             |             |
| WIN                          |                             | WIN<br>235331.00                               |             |             |             |
| 235331.00                    |                             |                                                |             |             |             |
| HIGHWAY PLANS                |                             |                                                |             |             |             |

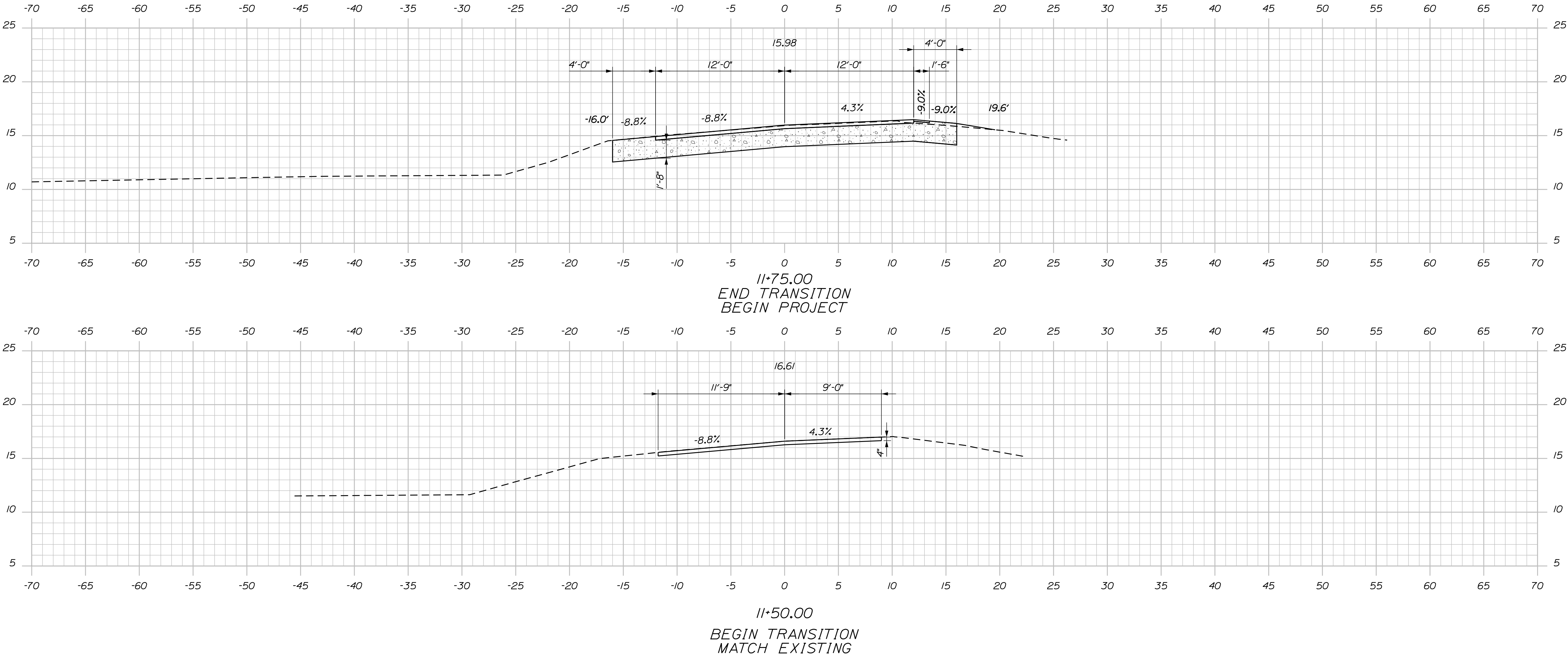


Date:12/18/2024

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Division: BRIDGE

Filename: 012\_XSECT.dgn



Sta. 11+50.00 to Sta. 11+75.00

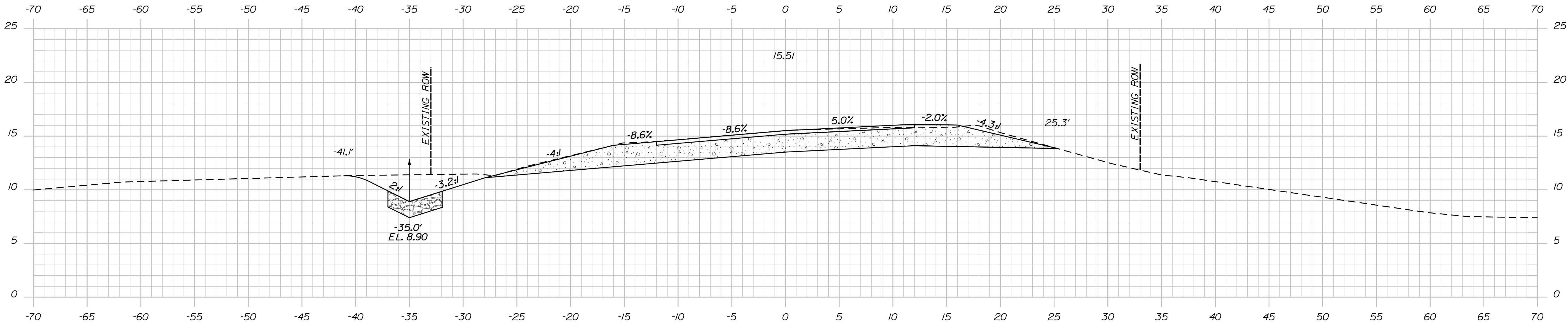
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|--------------|--|-----------------------------|--|-----------------------------|--|-------------------|--|--------------------------|--|
| SHEET NUMBER |  | BROOKLIN<br>STATE ROUTE 175 |  | PROJ. MANAGER<br>R. BARROWS |  | BY<br>B. BRESLEND |  | DATE<br>DEC. 2022        |  |
| 14<br>OF 20  |  | CROSS SECTIONS              |  | DESIGN-DETAILED             |  | C. BELLISLE       |  |                          |  |
|              |  |                             |  | CHECKED-REVIEWED            |  |                   |  |                          |  |
|              |  |                             |  | DESIGN2-DETAILED2           |  | O. DALMER         |  | B. BRESLEND<br>JAN. 2024 |  |
|              |  |                             |  | DESIGN3-DETAILED3           |  | M. STINK          |  | B. BRESLEND<br>NOV. 2024 |  |
|              |  |                             |  | REVISIONS 1                 |  |                   |  | P.E. NUMBER              |  |
|              |  |                             |  | REVISIONS 2                 |  |                   |  |                          |  |
|              |  |                             |  | REVISIONS 3                 |  |                   |  |                          |  |
|              |  |                             |  | REVISIONS 4                 |  |                   |  | DATE                     |  |
|              |  |                             |  | FIELD CHANGES               |  |                   |  |                          |  |
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Date:12/18/2024

Username: bbreslend

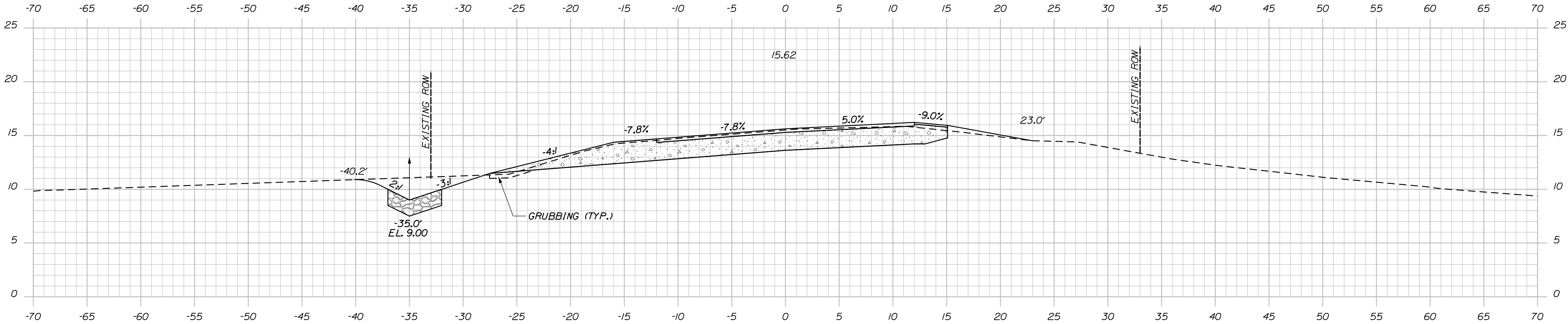
Division: BRIDGE

Filename: 013\_XSECT.dgn



STA. 12+00.0 TO STA. 12+66.9  
INSTALL PLAIN RIPRAP DITCH PROTECTION

12+25.00



12+00.00  
END TRANSITION  
BEGIN PROJECT  
WIN 23531.00

Sta. 12+00.00 to Sta. 12+25.00

|                              |               |
|------------------------------|---------------|
| STATE OF MAINE               |               |
| DEPARTMENT OF TRANSPORTATION |               |
| 23531.00                     |               |
| WIN                          | HIGHWAY PLANS |

|                  |             |             |           |
|------------------|-------------|-------------|-----------|
| PROJ. MANAGER    | R. BARROWS  | BY          | DATE      |
| CHECKED-REVIEWED | C. BELLISSE | B. BRESLEND | DEC. 2022 |
| DESIGN-DETAILED  | O. D. ALMER | B. BRESLEND | JAN. 2024 |
| DESIGN-DETAILED  | M. STINK    | B. BRESLEND | NOV. 2024 |
| REVISIONS 1      |             |             |           |
| REVISIONS 2      |             |             |           |
| REVISIONS 3      |             |             |           |
| REVISIONS 4      |             |             |           |
| FIELD CHANGES    |             |             |           |

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| BROOKLIN        |
| STATE ROUTE 175 |
| CROSS SECTIONS  |

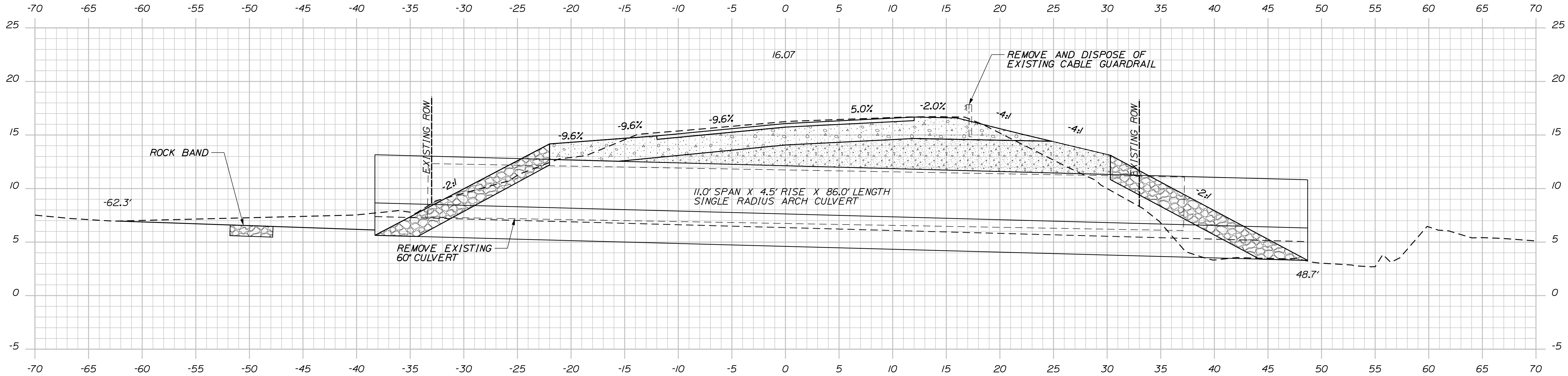
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| SHEET NUMBER |
| 15           |
| OF 20        |

Date:12/18/2024

Username: bbreslend

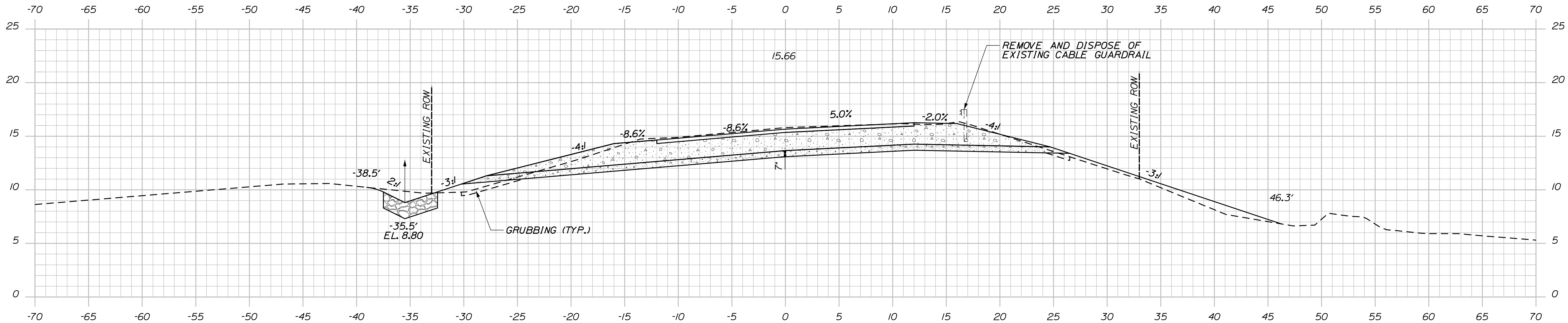
Division: BRIDGE

Filename: 016\_XSECT.dgn



12+75.00  
(SKEWED 3°31'31\"/>

STA. 12+31.9 TO STA. 13+20.4 RT  
REMOVE AND DISPOSE OF EXISTING CABLE GUARDRAIL



STA. 12+41.00  
BEGIN 15:1 TAPER

12+50.00

Sta. 12+50.00 to Sta. 12+75.00

|                                                |          |                 |               |
|------------------------------------------------|----------|-----------------|---------------|
| STATE OF MAINE<br>DEPARTMENT OF TRANSPORTATION | 23531.00 | WIN<br>23531.00 | HIGHWAY PLANS |
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|                                                                                                                                                                         |                                                    |                                                                                                                                           |                                                                                                                           |                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| PROJ. MANAGER<br>DESIGN-DETAILED<br>CHECKED-REVIEWED<br>DESIGN-DETAILED<br>DESIGN-DETAILED<br>REVISIONS 1<br>REVISIONS 2<br>REVISIONS 3<br>REVISIONS 4<br>FIELD CHANGES | R. BARROWS<br>C. BELLISSE<br>O. DALLER<br>M. STINK | BY<br>B. BRESLEND<br>B. BRESLEND<br>B. BRESLEND<br>B. BRESLEND<br>B. BRESLEND<br>B. BRESLEND<br>B. BRESLEND<br>B. BRESLEND<br>B. BRESLEND | DATE<br>DEC. 2022<br>JAN. 2024<br>NOV. 2024<br>NOV. 2024<br>NOV. 2024<br>NOV. 2024<br>NOV. 2024<br>NOV. 2024<br>NOV. 2024 | SIGNATURE<br>P.E. NUMBER<br>DATE |
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|-----------------------------------------------|
| BROOKLIN<br>STATE ROUTE 175<br>CROSS SECTIONS |
|-----------------------------------------------|

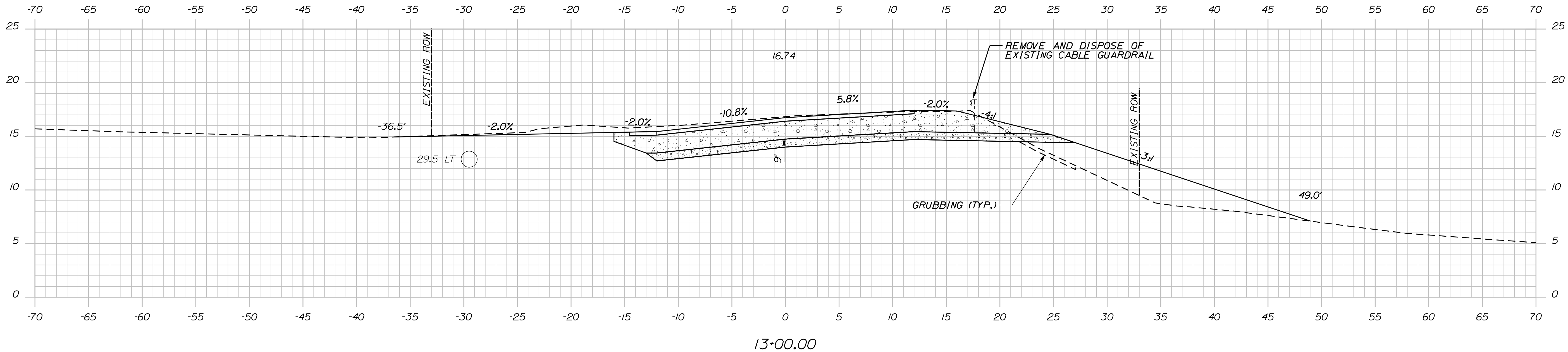
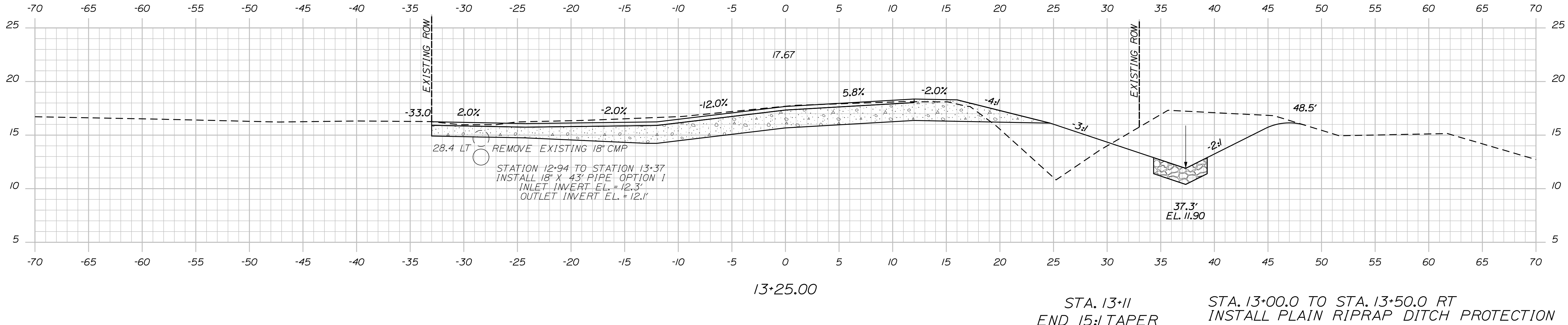
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| SHEET NUMBER<br>16<br>OF 20 |
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Date:12/18/2024

Username: bbreslend

Division: BRIDGE

Filename: 015\_XSECT.dgn



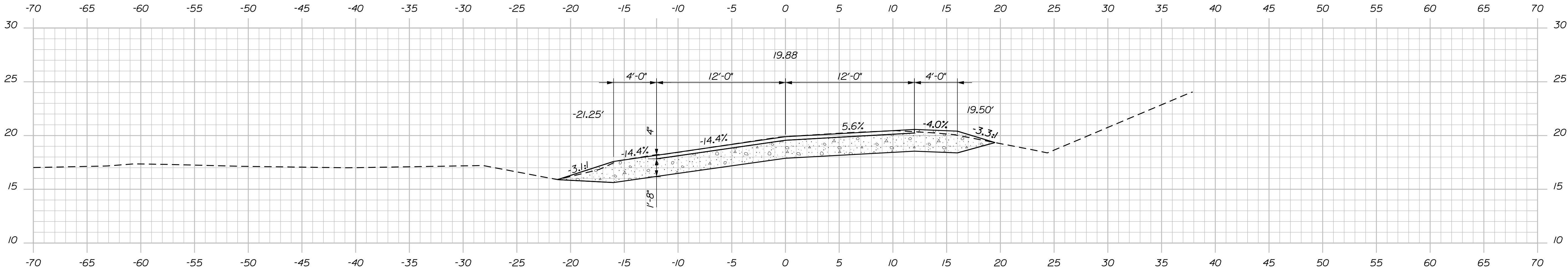
Sta. 13+00.00 to Sta. 13+25.00

|                              |
|------------------------------|
| STATE OF MAINE               |
| DEPARTMENT OF TRANSPORTATION |
| 23531.00                     |
| WIN                          |
| 23531.00                     |
| HIGHWAY PLANS                |

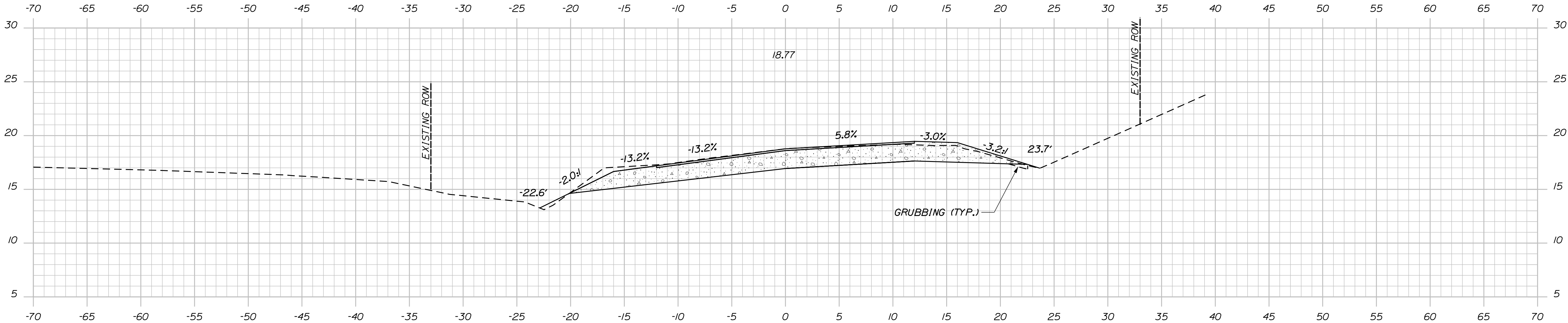
|                  |              |             |           |
|------------------|--------------|-------------|-----------|
| PROJ. MANAGER    | R. BARROWS   | BY          | DATE      |
| DESIGN-DETAILED  | C. BELLISLE  | B. BRESLEND | DEC. 2022 |
| CHECKED-REVIEWED | O. D'ALMEIDA | B. BRESLEND | JAN. 2024 |
| DESIGN-DETAILED  | M. STINK     | B. BRESLEND | NOV. 2024 |
| REVISIONS 1      |              |             |           |
| REVISIONS 2      |              |             |           |
| REVISIONS 3      |              |             |           |
| REVISIONS 4      |              |             |           |
| FIELD CHANGES    |              |             |           |

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| BROOKLIN        |
| STATE ROUTE 175 |
| CROSS SECTIONS  |

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| SHEET NUMBER |
| 17           |
| OF 20        |



13+75.00  
END PROJECT  
BEGIN TRANSITION  
WIN 23531



13+50.00

Sta. 13+50.00 to Sta. 13+75.00

|                              |
|------------------------------|
| STATE OF MAINE               |
| DEPARTMENT OF TRANSPORTATION |
| 23531.00                     |
| WIN                          |
| 23531.00                     |
| HIGHWAY PLANS                |

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|------------------|-------------|----|-------------|------|-----------|
| PROJ. MANAGER    | R. BARROWS  | BY | B. BRESLEND | DATE | DEC. 2022 |
| CHECKED-DETAILED | C. BELLISLE |    |             |      |           |
| DESIGN-REVIEWED  | O. DALMER   |    |             |      |           |
| DESIGN-DETAILED  | M. STINK    |    |             |      |           |
| REVISIONS 1      |             |    |             |      |           |
| REVISIONS 2      |             |    |             |      |           |
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| REVISIONS 4      |             |    |             |      |           |
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| BROOKLIN        |
| STATE ROUTE 175 |
| CROSS SECTIONS  |

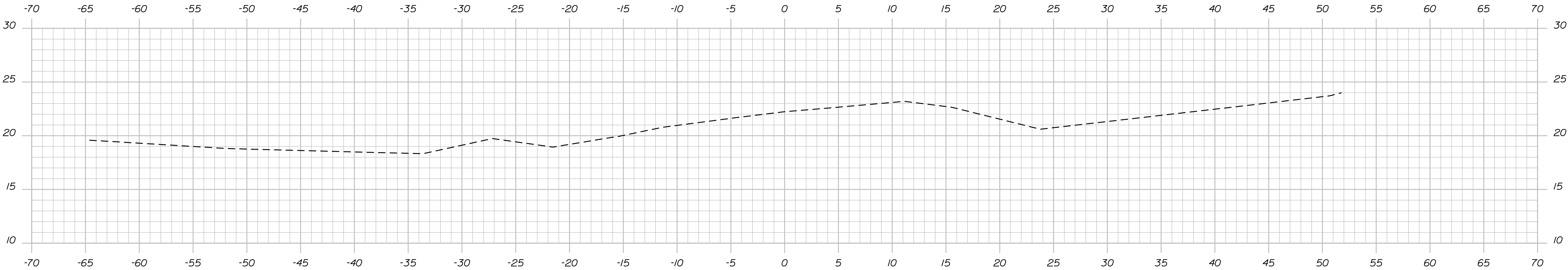
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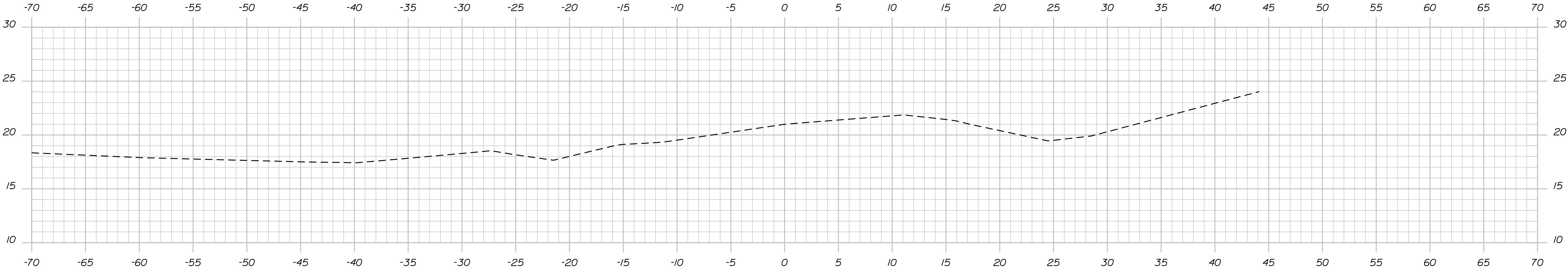
Username: bbreslend

Division: BRIDGE

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14+25.00



14+00.00

END TRANSITION  
MATCH EXISTING  
LIMIT OF WORK

Sta. 14+00.00 to Sta. 14+25.00

|                              |
|------------------------------|
| STATE OF MAINE               |
| DEPARTMENT OF TRANSPORTATION |
| 23531.00                     |
| WIN<br>23531.00              |
| HIGHWAY PLANS                |

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|------------------|-------------|-------------|-----------|
| PROJ. MANAGER    | R. BARROWS  | BY          | DATE      |
| CHECKED-DETAILED | C. BELLISLE | B. BRESLEND | DEC. 2022 |
| DESIGN-DETAILED  | O. D. ALMER | B. BRESLEND | JAN. 2024 |
| DESIGN-DETAILED  | M. STINK    | B. BRESLEND | NOV. 2024 |
| REVISIONS 1      |             |             |           |
| REVISIONS 2      |             |             |           |
| REVISIONS 3      |             |             |           |
| REVISIONS 4      |             |             |           |
| FIELD CHANGES    |             |             |           |
| SIGNATURE        |             |             |           |
| P.E. NUMBER      |             |             |           |
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| BROOKLIN<br>STATE ROUTE 175 |
| CROSS SECTIONS              |

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| OF 20        |

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Username: \$user\$

Division: \$wkgroup\$

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