Filename: mnr_railway_remediation.dgn Division: MULTIMDAL Username: hunter.pinkerton Date:01/06/2023

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

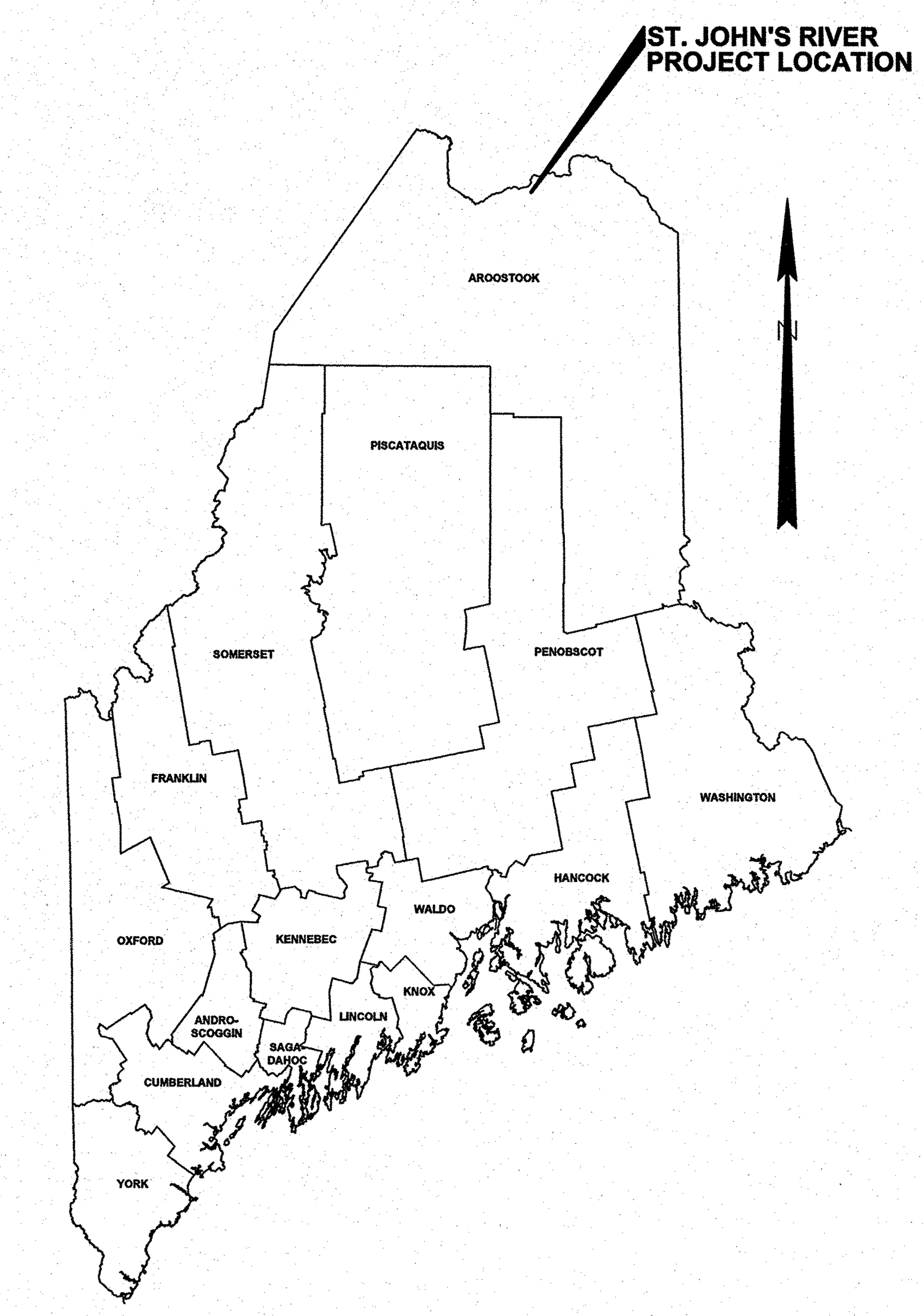
SPECIFICATIONS

DESIGN:
2018 American Railway Engineering and Maintenance-of-Way Association (AREMA) (RAILROAD)

Load and Resistance Factor Design per
AASHTO LRD Bridge Design Specification, Eighth Edition 2017 (Highway)

DESIGN LOADING

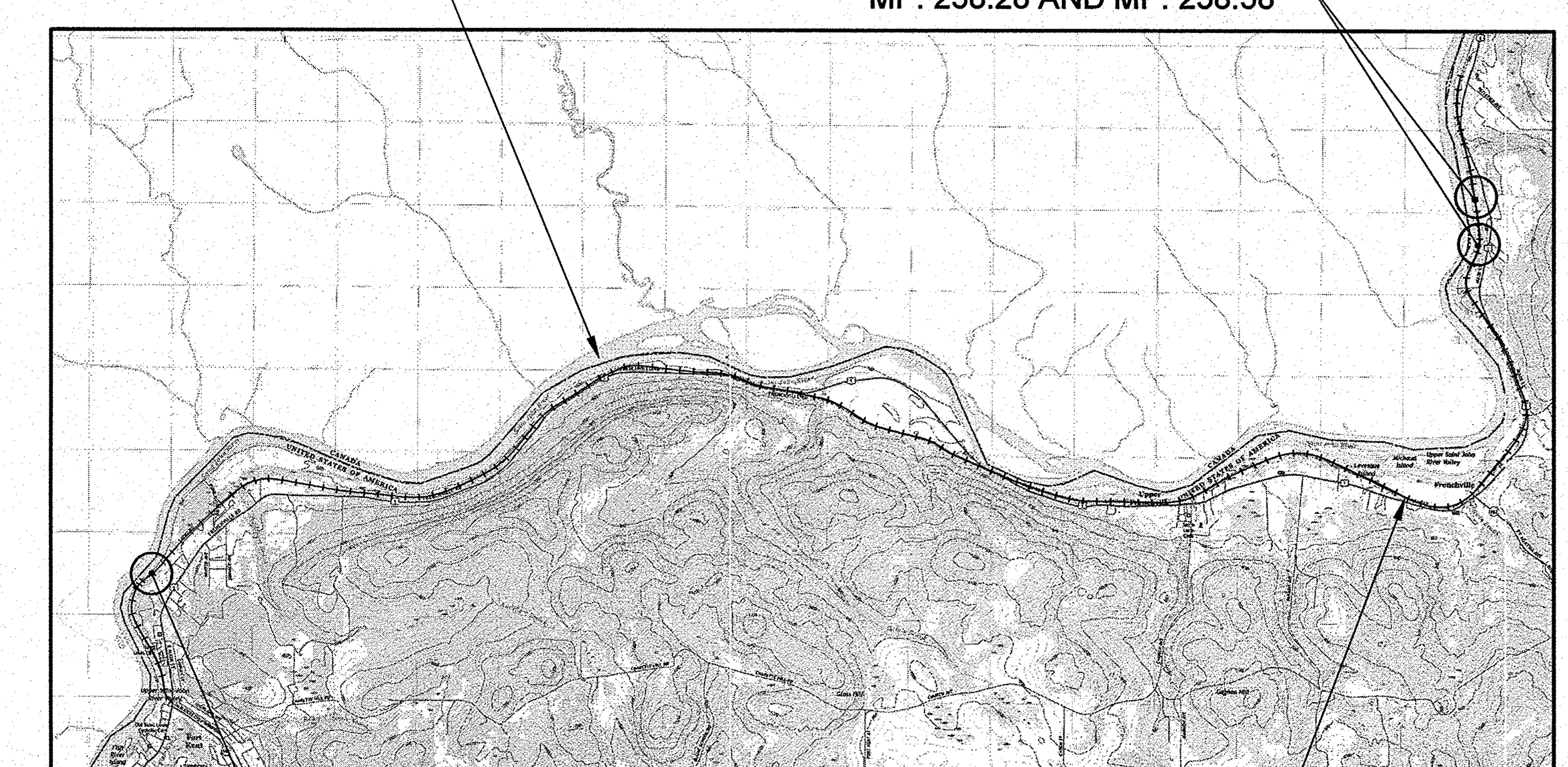
Live Load (Railroad) . . . . Cooper E80



FORT KENT AND FRENCHVILLE
AROOSTOOK COUNTY

ALONG ST. JOHN RIVER
RIVERBANK SLOPE STABILIZATION PROJECT
LENGTH 0.13 MILES (TOTAL LENGTH)
M.P. 245.25, M.P. 258.28, M.P. 258.58 (RAILROAD)

LIST OF DRAWINGS



VICINITY MAP

0 3000' 6000' 12000' 18000'
SCALE IN FEET 1" = 6000'

PROJECT LOCATIONS:	MADAWASKA SUBDIVISION IN FORT KENT AT MILE POST 245.25 (1314658.506, 961263.792 TO 1314925.622, 961466.898). MADAWASKA SUBDIVISION IN FRENCHVILLE AT MILE POST 258.28 (1327483.530, 1014066.254 TO 1327654.702, 1014104.578) MADAWASKA SUBDIVISION IN FRENCHVILLE AT MILE POST 258.58 (1329705.103, 1013960.237 TO 1329915.637, 1013901.969)
PROGRAM AREA:	MULTIMODAL PROGRAM
SCOPE OF WORK:	RIVERBANK SLOPE STABILIZATION

PREPARED BY: GZA

WIN 024899.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED		DATE
COMMISSIONER:	[signature]	2-6-23
CHIEF ENGINEER:	[signature]	2.6.2023

PROJECT INFORMATION

PROGRAM	MULTIMODAL	
PROJECT MANAGER	MDOT: M KERSBERGEN	SIGNATURE
DESIGNER	HUNTER PINKERTON	
CONSULTANT	GZA GEOENVIRONMENTAL	P.E. NUMBER
PROJECT RESIDENT	PROGRAM	
CONTRACTOR	PROGRAM	DATE
PROJECT COMPLETION DATE	PROGRAM	

STATE OF MAINE CRISTOPHER L. RAY No. 7278 LICENSED PROFESSIONAL ENGINEER 01/10/2023

MNR STABILITY EVALUATION
REMEDIATION PROTECTION PROJECT

TITLE SHEET

SHEET NUMBER
G01

GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL SUBMIT AN EMBANKMENT CONSTRUCTION SEQUENCE NARRATIVE FOR EACH SLOPE LOCATION, FOR APPROVAL, AT LEAST THIRTY (30) DAYS PRIOR TO PERMANENT EMBANKMENT CONSTRUCTION. THIS SUBMITTAL SHALL DESCRIBE THE CONTRACTOR'S SCHEDULE AND APPROACH FOR ACCESS AND CONSTRUCTION AND DEFINE THE FREQUENCY OF PROPOSED LABORATORY GRADATION ANALYSES FOR PROPOSED MATERIALS.
2. ALL STATIONS AND ELEVATIONS ARE EXPRESSED IN FEET AND DECIMAL. ALL DIMENSIONS ARE MEASURED IN FEET AND INCHES, UNLESS NOTED OTHERWISE.
3. ALL HORIZONTAL COORDINATES ARE REFERENCED TO NAD83 MAINE STATE PLANE, EAST ZONE, US FOOT, 1801.
4. ELEVATIONS AND CONTOURS ARE IN FEET BASED ON PROJECT DATUM, NAVD88.
5. THE CLEARING LIMITS AS SHOWN ON THE PLANS ARE APPROXIMATE. THE EXACT LIMITS WILL BE ESTABLISHED IN THE FIELD BY THE RESIDENT. PAYMENT FOR CLEARING WILL BE CONSIDERED INCIDENTAL TO CONTRACT ITEMS.
6. RIPRAP SLOPES ARE APPROXIMATE BASED ON EXISTING GRADES, AND SHALL BE BLENDED TO MATCH INTO EXISTING GRADES AT PROJECT LIMITS.
7. EXCAVATION FOR RIPRAP INSTALLATION SHALL BE CONSIDERED INCIDENTAL UNDER ITEM 610.08 AND 610.16 PLAIN AND HEAVY RIPRAP; INCLUDING EXCAVATION, STOCKPILING, AND SPREADING MATERIAL ON TOP OF COMPLETED RIPRAP SLOPES.
8. COMMON EXCAVATION AND PROPERLY MOISTURE-CONDITIONED DREDGE MATERIAL WHICH ARE BOTH INCIDENTAL TO RELATED CONTRACT ITEMS MAY BE SUBSTITUTED BELOW THE HEAVY RIPRAP IN AREAS WHERE THE HEAVY RIPRAP THICKNESS IS GREATER THAN 4 FEET. MATERIAL SUBSTITUTED FOR HEAVY RIPRAP SHALL CONSIST OF MINERAL SOIL SUBSTANTIALLY FREE OF ORGANIC MATERIALS, LOAM, WOOD, TRASH, MUCK, OR OTHER OBJECTIONABLE MATERIAL WHICH MAY BE COMPRESSIBLE OR WHICH CANNOT BE COMPACTED PROPERLY. THE MATERIAL SHALL BE UNFROZEN AND NOT CONTAIN SNOW, ICE, OR FROZEN MATERIALS. THE MATERIAL SHALL BE MOISTURE CONDITIONED AS NECESSARY, PLACED AND COMPACTED IN ACCORDANCE WITH SECTION 203 OF THE STANDARD SPECIFICATIONS, OR AS APPROVED BY THE RESIDENT.
9. HEAVY RIPRAP SURFACE VOIDS SHOULD BE FILLED AND SEEDED WITHIN THE PLANTING ZONE AS SHOWN ON THE PLANS AND FOLLOWING SPECIAL PROVISION 618 SPECIAL SEEDING. THE PLANTING ZONE WILL EXTEND FROM 4 FEET ABOVE OHW TO THE UPSLOPE GRADE BREAK.
10. COMMON EXCAVATION SHALL BE STOCKPILED AND USED TO REVEGETATE THE RIPRAP SLOPES AS DIRECTED BY THE RESIDENT.
11. THE FOLLOWING SHALL BE INCIDENTAL TO THE 603 ITEM(S)
    a. ANY CUTTING, REMOVAL AND DISPOSAL OF EXISTING CULVERTS AND OR CONNECTORS NECESSARY TO INSTALL NEW CULVERT REPLACEMENTS OR EXTENSIONS
    b. ALL PIPE EXCAVATION. CUTTING AND REMOVAL OF RAILROAD TRACK WILL BE COMPLETED BY THE RAILROAD.
    c. ALL DITCHING AT PIPE ENDS
    d. ANY NECESSARY CLEARING OF BRUSH AND NON-PAY TREES WITHIN 10 FEET OF CULVERT ENDS
    e. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT
    f. INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT
    g. THE CULVERT SIZES SHOWN ON THE PLANS AND CROSS SECTIONS ARE FOR SMOOTHLINED PIPES.
    h. ANY AND ALL WORK PLUGGING THE EXISTING PIPE CALLED OUT TO BE ABANDONED ON THE PLANS AND FILLING WITH CONCRETE OR FLOWABLE FILL.
12. ALL COSTS FOR TEMPORARY EXCAVATION SUPPORT, INCLUDING PUMPING, MAINTENANCE, RELATED TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROLS, AND REMOVAL, WILL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED INCIDENTAL TO RELATED CONTRACT ITEMS.
13. EXISTING DIMENSIONS OR FEATURES SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM LIMITED FIELD INVESTIGATION AND MAY NOT ACCURATELY REFLECT ACTUAL FIELD CONDITIONS. THE PLAN, ELEVATION, AND SECTIONS SHOWN ARE SCHEMATIC ONLY. THE CONTRACTOR IS RESPONSIBLE FOR TAKING SUFFICIENT FIELD MEASUREMENTS OF EXISTING COMPONENTS TO VERIFY THE DIMENSIONS OF THE PROPOSED COMPONENTS BEFORE STARTING THE WORK. ANY DISCREPANCIES IN DIMENSIONS, CHARACTER, OR EXTENT OF THE EXISTING STRUCTURE SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE ADVANCING THE WORK OR BEGINNING FABRICATION OF NEW COMPONENTS. COSTS WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT ITEMS.
14. THE CONTRACTOR SHALL PROVIDE SAFE ACCESS TO ALL AREAS OF WORK FOR THE RESIDENT'S INSPECTIONS. COST WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT ITEMS.
15. ANY DAMAGE CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATIONS 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.
16. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION'S BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENTATION CONTROL, FEBRUARY 2008.
17. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS. SEE SPECIAL PROVISION 104, UTILITIES FOR ADDITIONAL INFORMATION.
18. QUANTITIES INCLUDED FOR PAY ITEMS MEASURED AND PAID FOR BY LUMP SUM ARE ESTIMATED QUANTITIES AND ARE PROVIDED BY MAINEDOT FOR INFORMATIONAL PURPOSES ONLY. LUMP SUM PAY ITEMS WILL BE PAID FOR AT THE CONTRACT BID AMOUNT. WITH NO ADDITION OR REDUCTION IN PAYMENT TO THE CONTRACTOR IF THE ACTUAL FINAL QUANTITIES ARE DIFFERENT FROM THE MAINEDOT PROVIDED ESTIMATED QUANTITIES, EXCEPT AS FOLLOWS,
    a. IF A LUMP SUM PAY ITEM IS ELIMINATED. THE REQUIREMENTS OF STANDARD SPECIFICATIONS SECTION 109.2. ELIMINATION OF ITEMS. WILL TAKE PRECEDENCE.
    b. IF OTHER CONTRACT DOCUMENTS SPECIFICALLY ALLOW A CHANGE IN PAYMENT FOR A LUMP SUM PAY ITEM, THOSE REQUIREMENTS WILL BE FOLLOWED.
    c. IF A DESIGN CHANGE RESULTS IN CHANGES TO ESTIMATED QUANTITIES FOR LUMP SUM PAY ITEMS, PRICE ADJUSTMENTS WILL BE MADE IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 109.7, EQUITABLE ADJUSTMENTS TO COMPENSATION.
19. TRACK SHALL BE REMOVED AND RESET AS REQUIRED FOR PERFORMING CULVERT REPLACEMENT. REMOVAL AND RESET RAILROAD TRACK-IN-PLACE AND WILL BE THE RESPONSIBILITY OF MAINE NORTHERN RAILWAY (MNR).
20. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT CONTINUOUS COORDINATION WITH THE OPERATOR, MAINE NORTHERN RAILWAY (MNR), WILL BE REQUIRED THROUGHOUT CONSTRUCTION OF THE PROJECT. MNR WILL PROVIDE THE CONTRACTOR WITH FLAGGERS FOR PROTECTION OF RAILROAD TRAFFIC WHILE WORK IS BEING PERFORMED ON THE RAILROAD RIGHT-OF-WAY (R.O.W.). THE CONTRACTOR SHALL NOT ENTER THE R.O.W. AT ANY TIME WITHOUT MNR AUTHORIZATION. RAILROAD FLAGGER PROTECTION WILL BE PROVIDED BY THE RAILROAD AS SPECIFIED IN THE PROTECTION OF RAILROAD TRAFFIC AND STRUCTURES SPECIAL PROVISION. ALL COSTS FOR RAILROAD COORDINATION WILL BE CONSIDERED INCIDENTAL TO CONTRACT ITEMS.
21. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AFFECTED BY THE WORK AT THE SITES FOR THE DURATION OF CONSTRUCTION. LIMITED UTILITY INFORMATION IS INCLUDED IN THESE PLANS. THE CONTRACTOR SHALL CONTACT DIG-SAFE, MNR, AND THE OWNER, MAINE DEPARTMENT OF TRANSPORTATION (MAINEDOT) TO DETERMINE THE PRESENCE AND LOCATION OF ANY UTILITIES, WHETHER IN SERVICE OR OUT OF SERVICE, PRIOR TO ANY CONSTRUCTION AT THE SITE.
22. GEOTECHNICAL INFORMATION FURNISHED 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 CONCLUSION 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.

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	MP 245.25	MP 258.28	MP 258.58	TOTAL QUANTITY
203.25	GRANULAR BORROW	CY	10	30	15	55
203.55	CULVERT BEDDING STONE	CY	10	30	20	60
411.12	CRUSHED STONE SURFACE – SUBBALLAST	TON	10	20	10	40
603.20	30 INCH CULVERT PIPE OPTION I	LF	35	115	65	215
610.08	PLAIN RIPRAP	CY	920	1,070	850	2,840
610.16	HEAVY RIPRAP	CY	3,750	1,820	2,035	7,605
615.07	LOAM	CY	60	20	20	100
615.086	LOAM/COMPOST MIX	CY	600	260	240	1,100
618.143	SPECIAL SEED MIX	UN	27	12	11	50
618.146	HGM BIOTIC SOIL HYDROMULCH MEDIA	UN	27	12	11	50
629.05	HAND LABOR, STRAIGHT TIME	HR	9	8	8	25
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	HR	9	8	8	25
631.172	TRUCK LARGE (INCLUDING OPERATOR)	HR	9	8	8	25
639.21	FIELD OFFICE TYPE D	EA	0.33	0.33	0.33	1
649.312	BALLAST	CY	5	10	10	25
652.38	FLAGGERS	HR	10	10	10	30
652.39	WORK ZONE TRAFFIC CONTROL (FOR GETTING ON AND OFF THE TRACKS)	LS	0.33	0.33	0.33	1
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LS	0.33	0.33	0.33	1
659.10	MOBILIZATION	LS	0.33	0.33	0.33	1

ESTIMATED EXCAVATION QUANTITIES

DESCRIPTION	UNIT	MP 245.25	MP 258.28	MP 258.58	TOTAL QUANTITY
DREDGE	CY	448	0	375	825
COMMON EXCAVATION	CY	440	800	75	1,315
AVAILABLE AREA FOR FILL SUBSTITUTION BENEATH HEAVY RIPRAP	CY	275	460	420	1,155

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 024899.00

SIGNATURE
P.E. NUMBER
DATE

PROJECT INFORMATION

PROGRAM	MULTIMODAL
PROJECT MANAGER	MDOT: M KERSBERGEN
DESIGNER	HUNTER PINKERTON
CONSULTANT	GZA GEOENVIRONMENTAL
PROJECT RESIDENT	PROGRAM
CONTRACTOR	PROGRAM
PROJECT COMPLETION DATE	PROGRAM

MNR STABILITY EVALUATION
REMEDIATION PROTECTION PROJECT

NOTES & QUANTITIES

PREPARED BY:

GZA

SHEET NUMBER

S01

PROJECT LOCATION
MP. 245.25

ST. JOHNS RIVER

RAILWAY

RRX 051157 - PUBLIC CROSSING AT ROUTE 1 / FRENCHVILLE ROAD, FORT KENT (1322048.607, 985490.681)

RRX 051154 - PUBLIC CROSSING AT ROUTE 1, FRENCHVILLE (1318404.598, 995343.781)

PROJECT LOCATION
MP. 258.28 AND MP. 258.58

RRX 051158 - PUBLIC CROSSING AT ROUTE 1 / EAST MAIN STREET, FORT KENT (1309405.791, 961977.623)

RAILROAD SIDING AT MARKET STREET, FORT KENT (1308601.221, 963295.965)

ROAD ACCESS AND RAILROAD SIDING MAP

0 1000' 2000' 4000' 6000'
SCALE IN FEET 1" = 2000'

RAILROAD SIDING AT EAST MAIN STREET, FRENCHVILLE (1319410.701, 1010902.499)

RAILROAD SIDING AT CLEVELAND SIDING, FRENCHVILLE (1319417.210, 1015270.544)

Filename: mnr_railway_remediation.dgn
Division: MULTIMDAL
Username: hunter.pinkerton
Date: 01/06/2023

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 024899.00

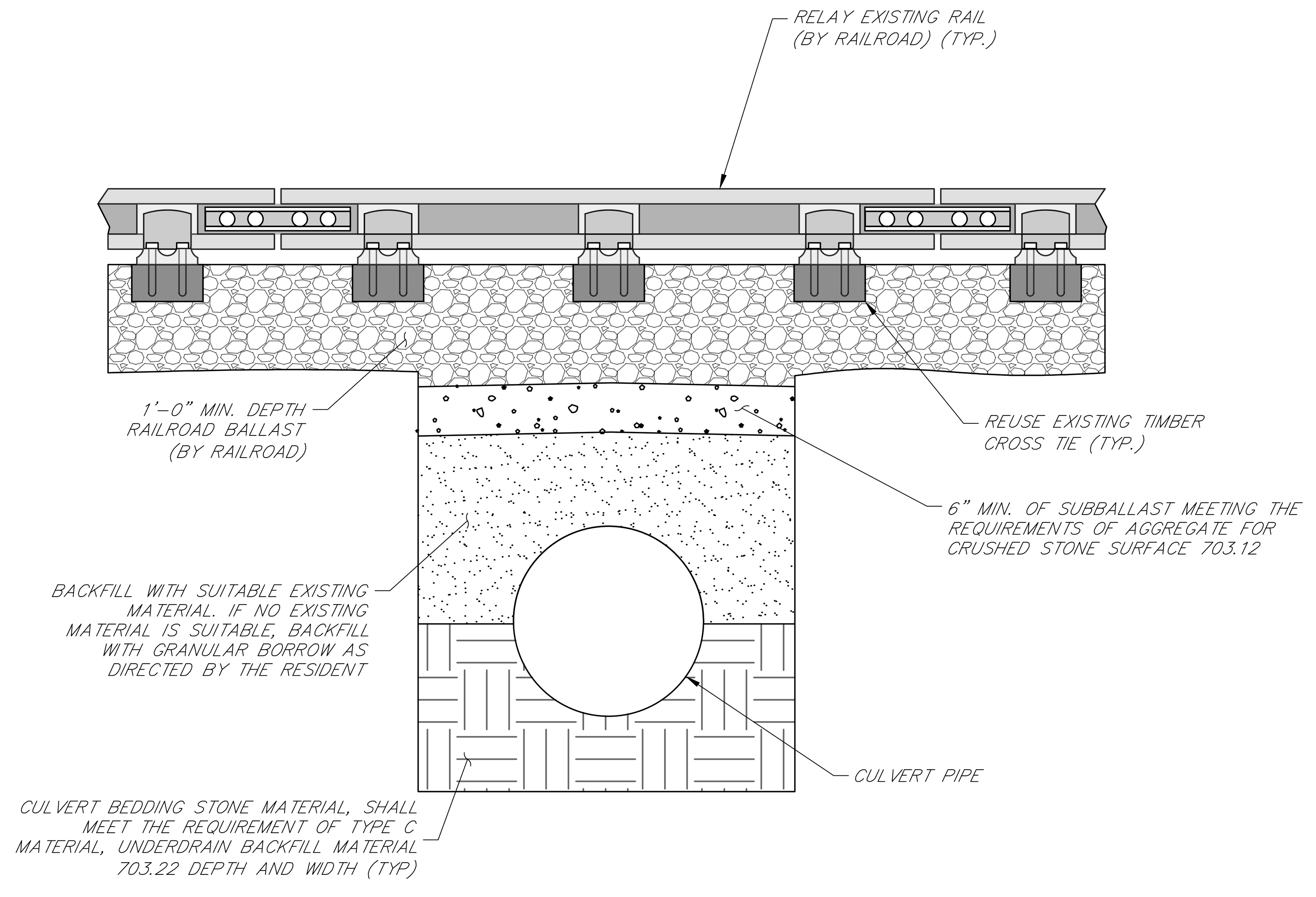
PROJECT INFORMATION		SIGNATURE
PROGRAM	MULTIMODAL	
PROJECT MANAGER	MDOT: M KERSBERGEN	
DESIGNER	HUNTER PINKERTON	
CONSULTANT	GZA GEOENVIRONMENTAL	P.E. NUMBER
PROJECT RESIDENT	PROGRAM	
CONTRACTOR	PROGRAM	DATE
PROJECT COMPLETION DATE	PROGRAM	

MNR STABILITY EVALUATION
REMEDIATION PROTECTION PROJECT

ROAD ACCESS AND
RAILROAD SIDING MAP

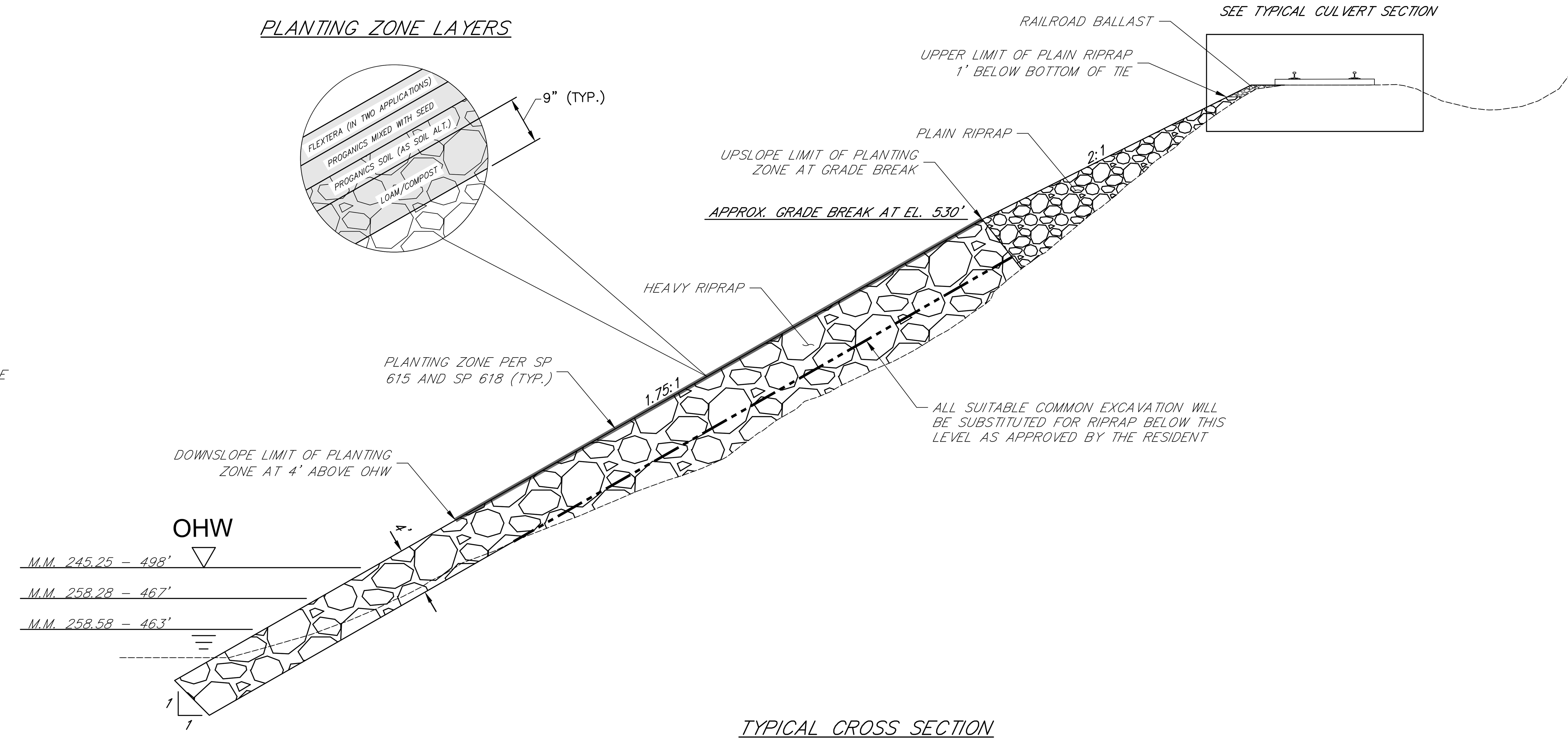
PREPARED BY:
GZA

SHEET NUMBER
S02
3 OF 15



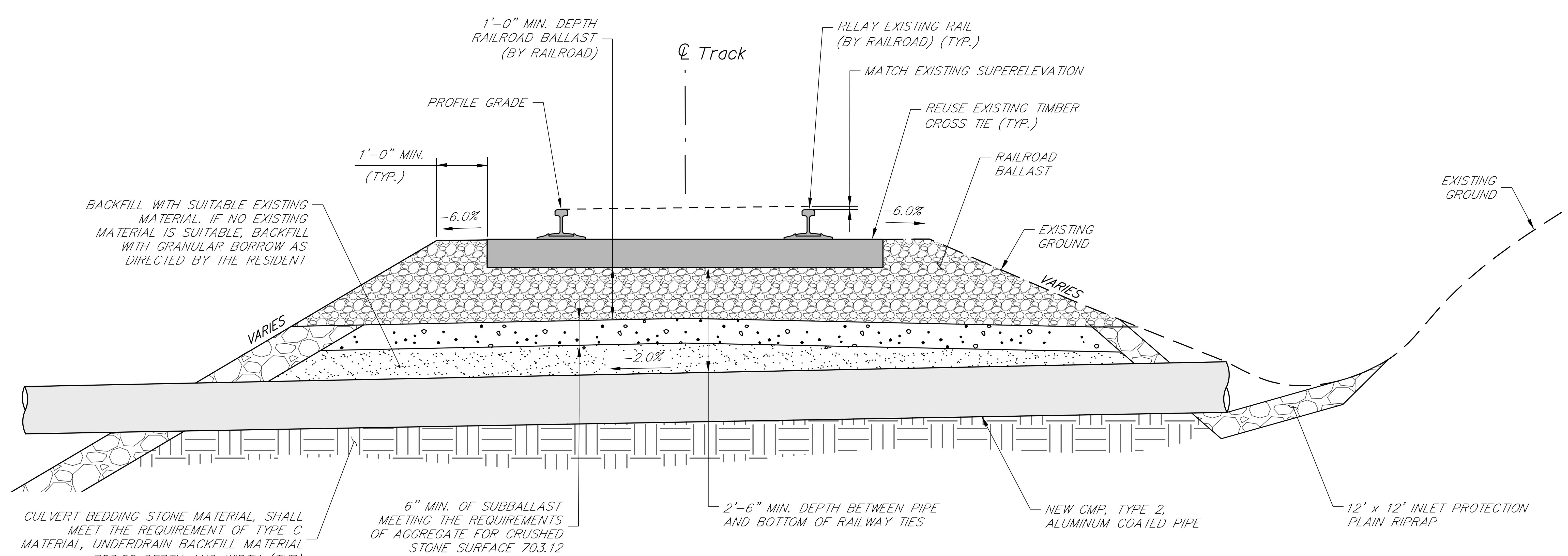
TYPICAL CULVERT SECTION

NOT TO SCALE



TYPICAL CROSS SECTION

NOT TO SCALE



TYPICAL CULVERT SECTION

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 024899.00

PROJECT INFORMATION		SIGNATURE
PROGRAM	MULTIMODAL	
PROJECT MANAGER	MDOT: M KERSBERGEN	P.E. NUMBER
DESIGNER	HUNTER PINKERTON	
CONSULTANT	GZA GEOENVIRONMENTAL	DATE
PROJECT RESIDENT	PROGRAM	
CONTRACTOR	PROGRAM	
PROJECT COMPLETION DATE	PROGRAM	

MNR STABILITY EVALUATION
REMEDIATION PROTECTION PROJECT

TYPICAL CROSS SECTIONS

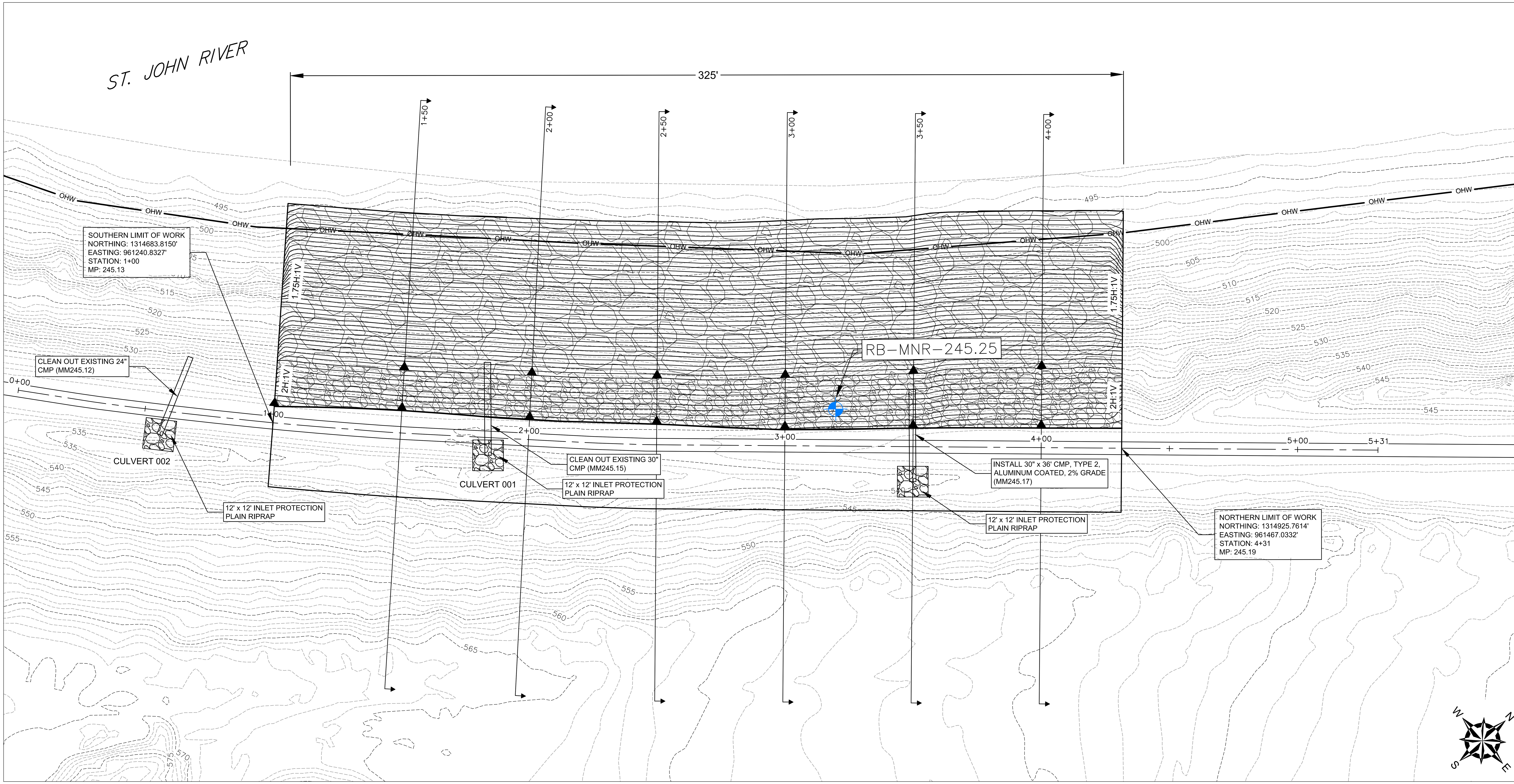
PREPARED BY:

SHEET NUMBER

S03

4 OF 15

Filename: mnr_railway_remediation.dgn Division: MULTIMDAL Username: hunter.pinkerton Date:01/06/2023



MM. 245.25 – SITE PLAN

0 10' 20' 40' 60'
SCALE IN FEET

LEGEND:

- 525 — MAJOR EXISTING CONTOUR
- MINOR EXISTING CONTOUR
- PROPOSED CONTOUR
- OHW — ORDINARY HIGH WATER MARK
- GZA BORING LOCATION
- HEAVY RIPRAP
- PLAIN RIPRAP
- APPROXIMATE LOCATION OF DRAINAGE CULVERT

PREPARED BY: GZA

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 024899.00

SIGNATURE

P.E. NUMBER

DATE

PROJECT INFORMATION

PROGRAM	MULTIMODAL
PROJECT MANAGER	MDOT: M KERSBERGEN
DESIGNER	HUNTER PINKERTON
CONSULTANT	GZA GEOENVIRONMENTAL
PROJECT RESIDENT	PROGRAM
CONTRACTOR	PROGRAM
PROJECT COMPLETION DATE	PROGRAM

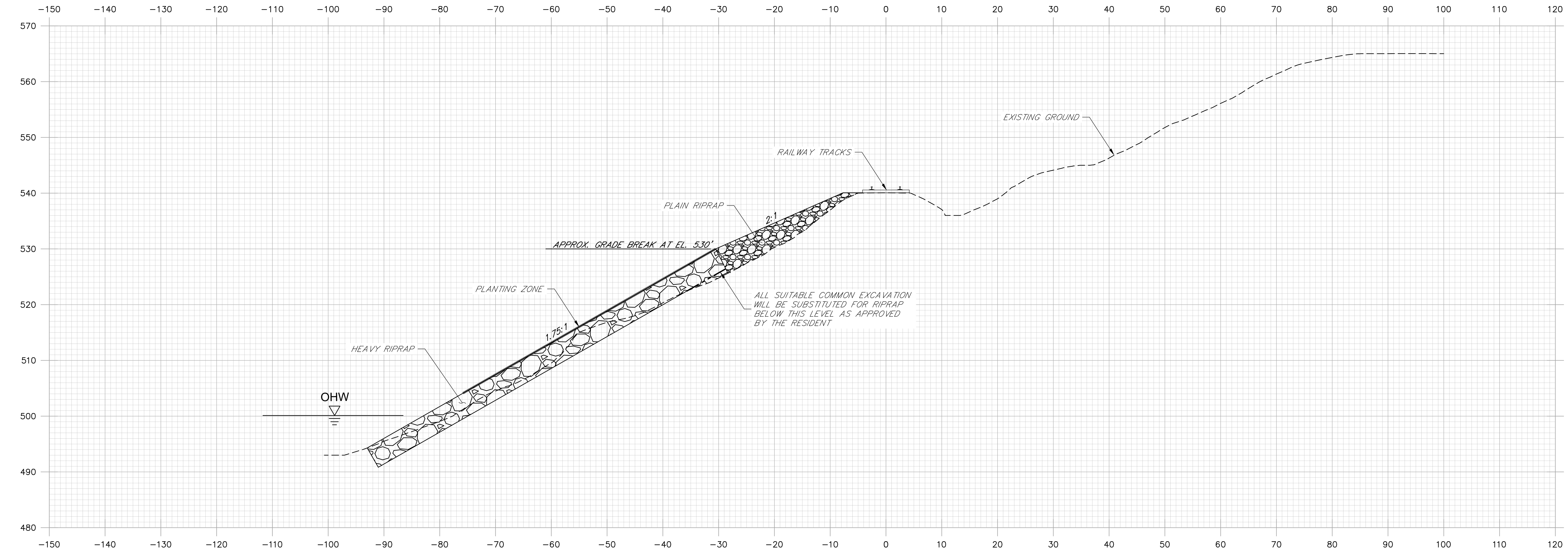
MNR STABILITY EVALUATION
REMEDIATION PROTECTION PROJECT

M.M. 245.25 SITE PLAN AND DETAILS

SHEET NUMBER

S04

Filename: mnr_railway_remediation.dgn
Division: MULTIMDAL
Username: hunter.pinkerton
Date:01/06/2023



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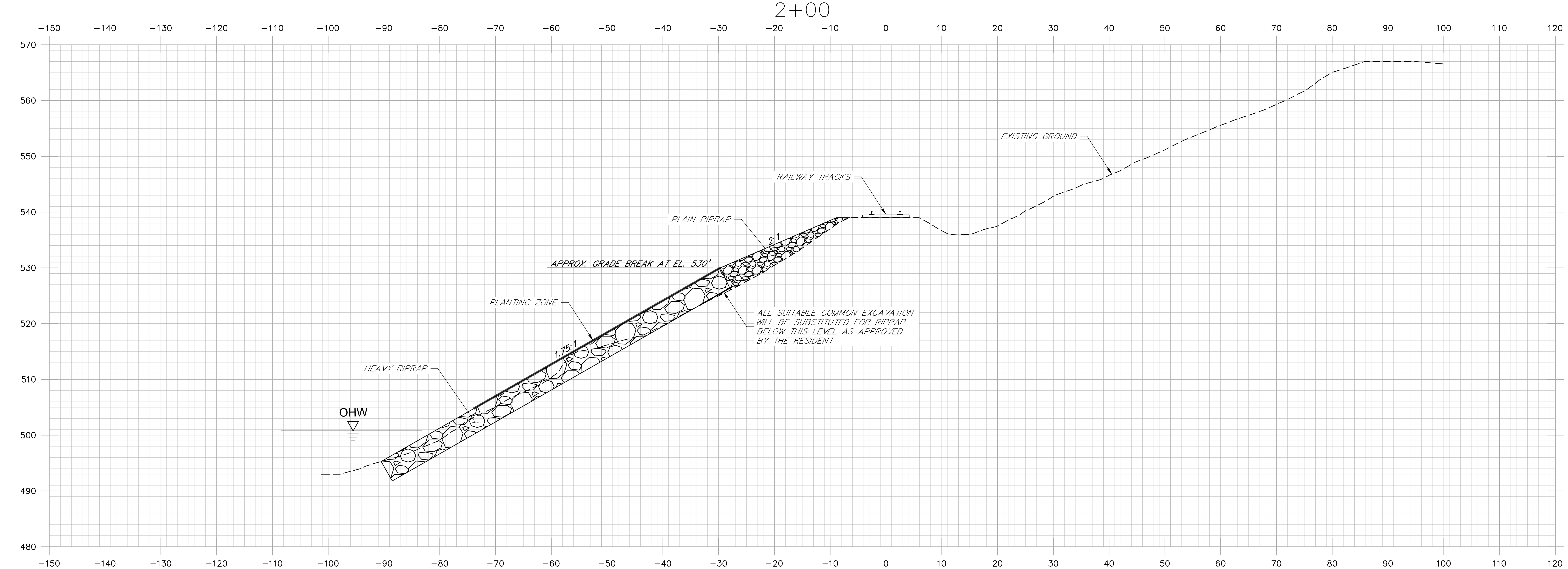

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 024899.00

SIGNATURE
P.E. NUMBER
DATE

PROJECT INFORMATION

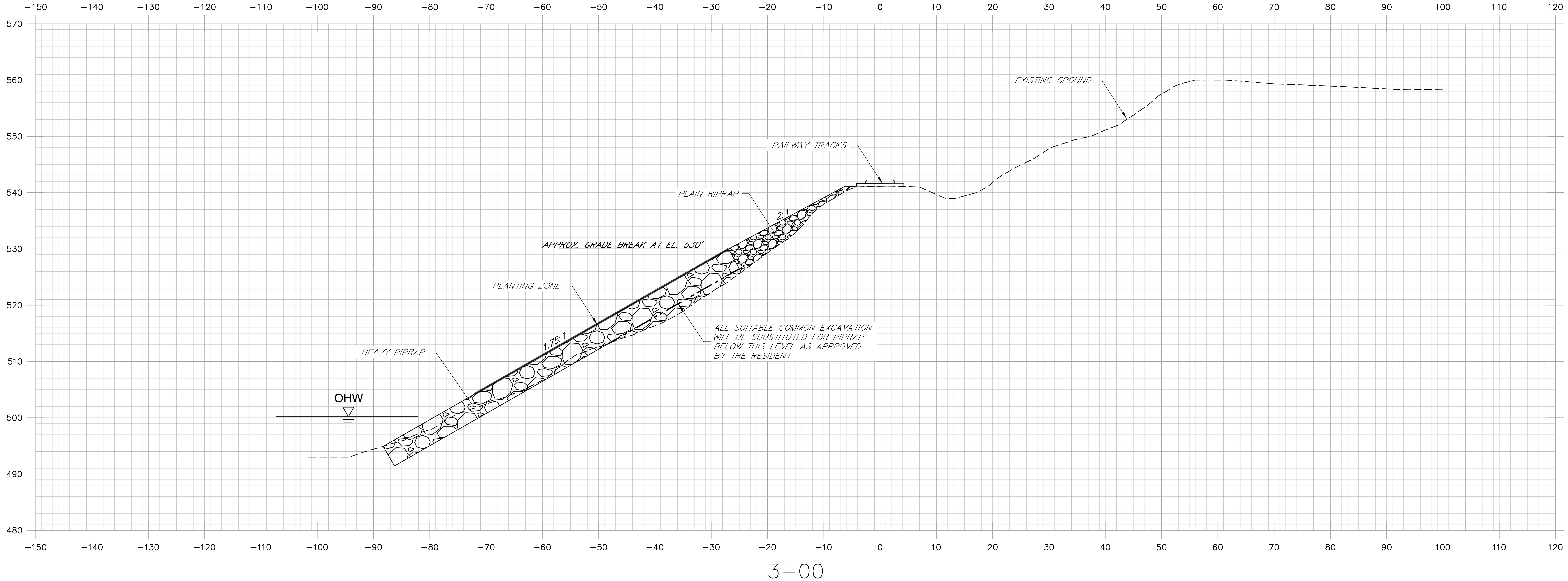
PROGRAM	MULTIMODAL
PROJECT MANAGER	MDOT: M KERSBERGEN
DESIGNER	HUNTER PINKERTON
CONSULTANT	GZA GEOENVIRONMENTAL
PROJECT RESIDENT	PROGRAM
CONTRACTOR	PROGRAM
PROJECT COMPLETION DATE	PROGRAM

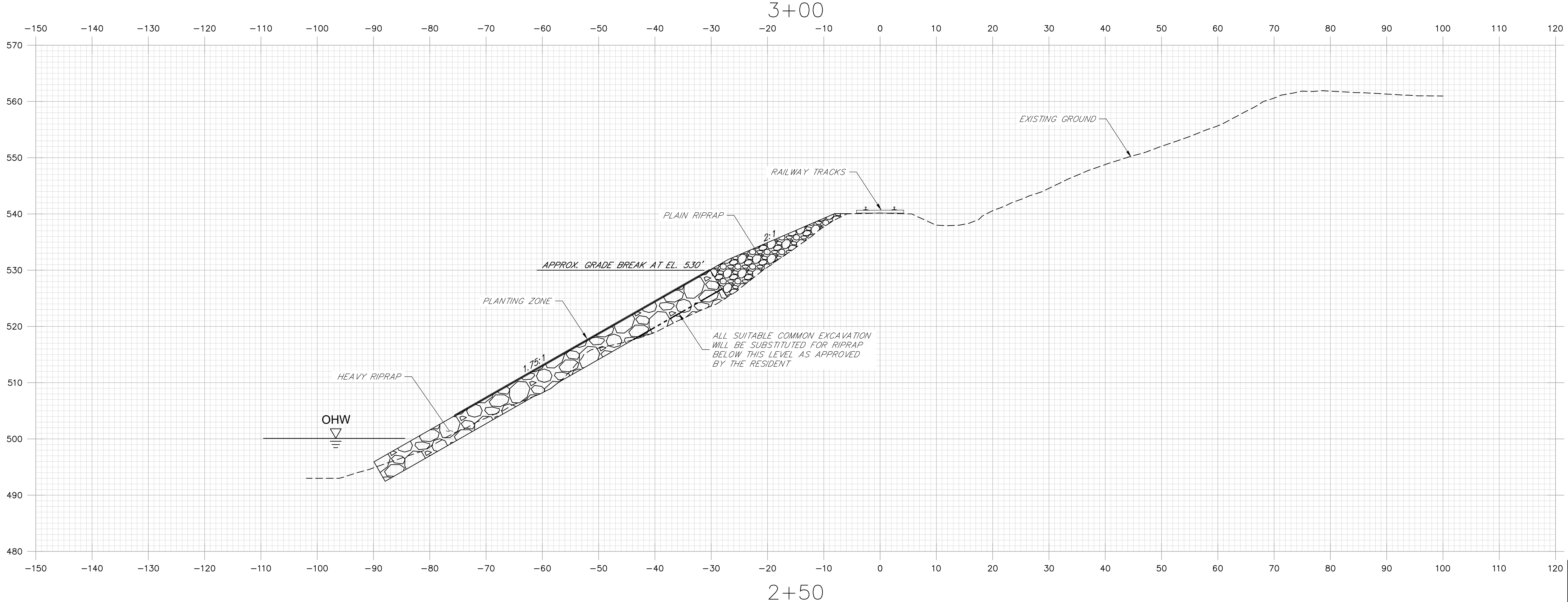
MNR STABILITY EVALUATION
REMEDIATION PROTECTION PROJECT

M.M. 245.25
CROSS SECTIONS (1 OF 3)

SHEET NUMBER
S05

PREPARED BY: GZA





PREPARED BY:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 024899.00

SIGNATURE
P.E. NUMBER
DATE

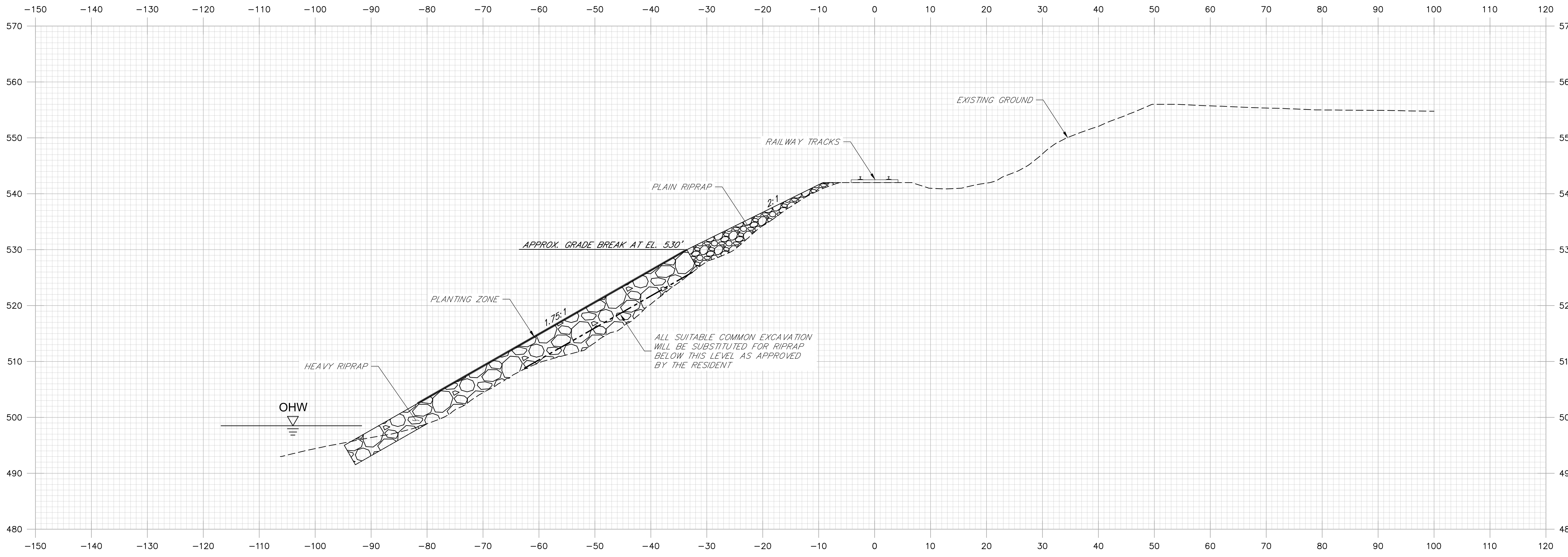
PROJECT INFORMATION

PROGRAM	MULTIMODAL
PROJECT MANAGER	MDOT: M KERSBERGEN
DESIGNER	HUNTER PINKERTON
CONSULTANT	GZA GEOENVIRONMENTAL
PROJECT RESIDENT	PROGRAM
CONTRACTOR	PROGRAM
PROJECT COMPLETION DATE	PROGRAM

MNR STABILITY EVALUATION
REMEDIATION PROTECTION PROJECT

M.M. 245.25
CROSS SECTIONS (2 OF 3)

SHEET NUMBER
S06



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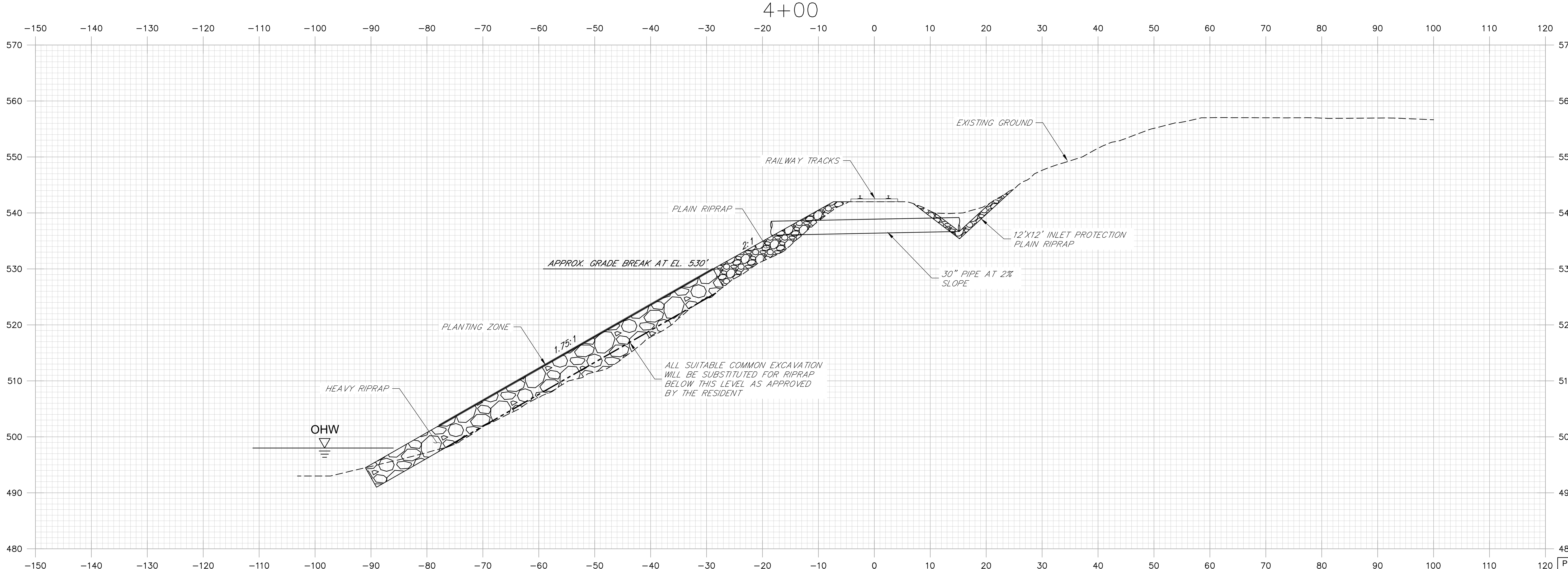


3+50

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 024899.00

SIGNATURE

P.E. NUMBER

DATE

PROJECT INFORMATION

PROGRAM	MULTIMODAL
PROJECT MANAGER	MDOT: M KERSBERGEN
DESIGNER	HUNTER PINKERTON
CONSULTANT	GZA GEOENVIRONMENTAL
PROJECT RESIDENT	PROGRAM
CONTRACTOR	PROGRAM
PROJECT COMPLETION DATE	PROGRAM

MNR STABILITY EVALUATION
REMEDIATION PROTECTION PROJECT

M.M. 245.25
CROSS SECTIONS (3 OF 3)

SHEET NUMBER

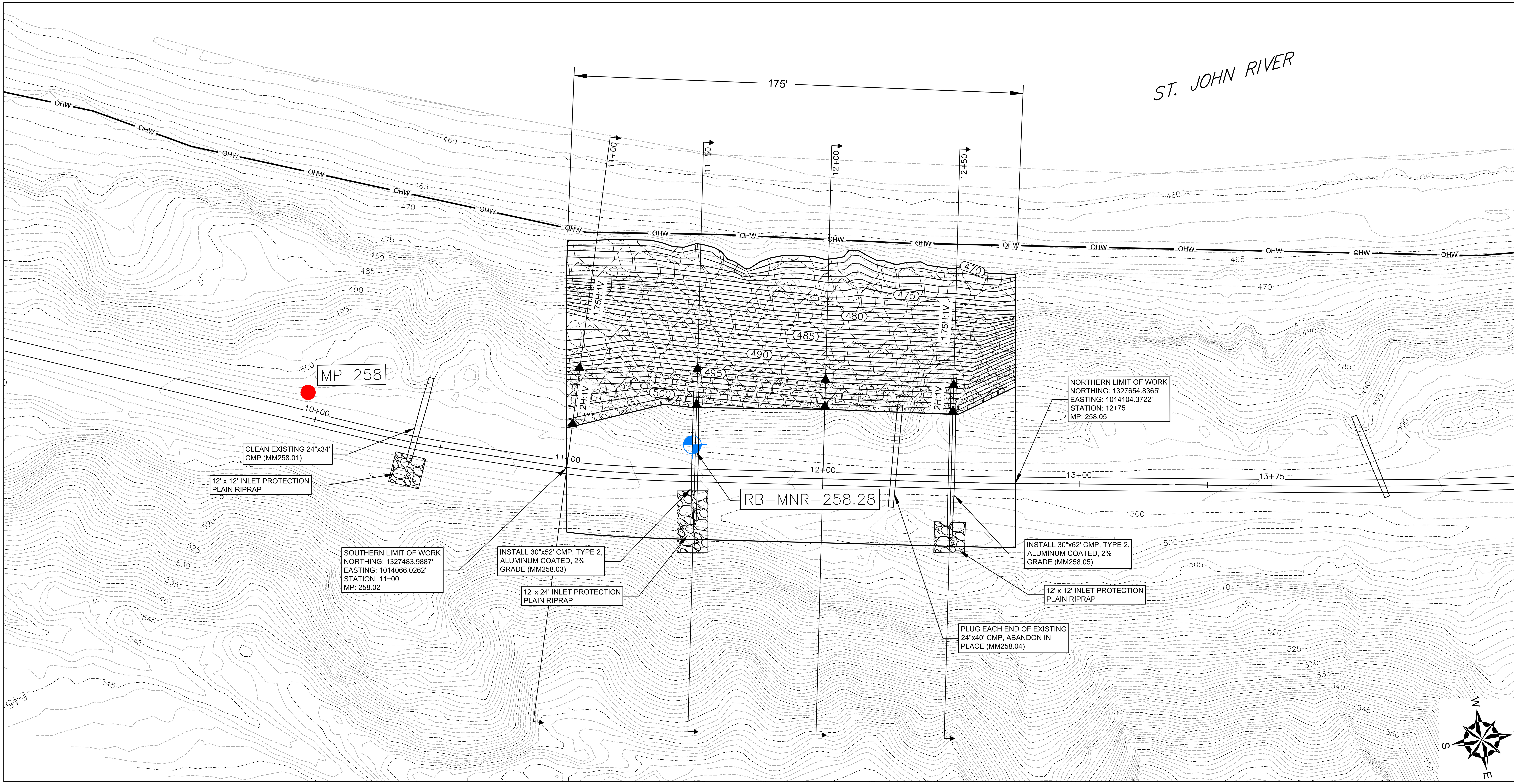
S07

8 OF 15

PREPARED BY:

Filename: mnr_railway_remediation.dgn Division: MULTIMDAL Username: hunter.pinkerton Date:01/06/2023

Filename: mnr_railway_remediation.dgn Division: MULTIMDAL Username: hunter.pinkerton Date:01/06/2023



MM. 258.28 – SITE PLAN

0 10' 20' 40' 60'
SCALE IN FEET

LEGEND:

- 525 — MAJOR EXISTING CONTOUR
- MINOR EXISTING CONTOUR
- PROPOSED CONTOUR
- OHW — ORDINARY HIGH WATER MARK
- GZA BORING LOCATION
- MILE POST
- HEAVY RIPRAP
- PLAIN RIPRAP
- APPROXIMATE LOCATION OF DRAINAGE CULVERT

PREPARED BY: GZA

STATE OF MAINE
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	SIGNATURE
	P.E. NUMBER
	DATE

PROJECT INFORMATION

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DESIGNER	HUNTER PINKERTON
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PROJECT RESIDENT	PROGRAM
CONTRACTOR	PROGRAM
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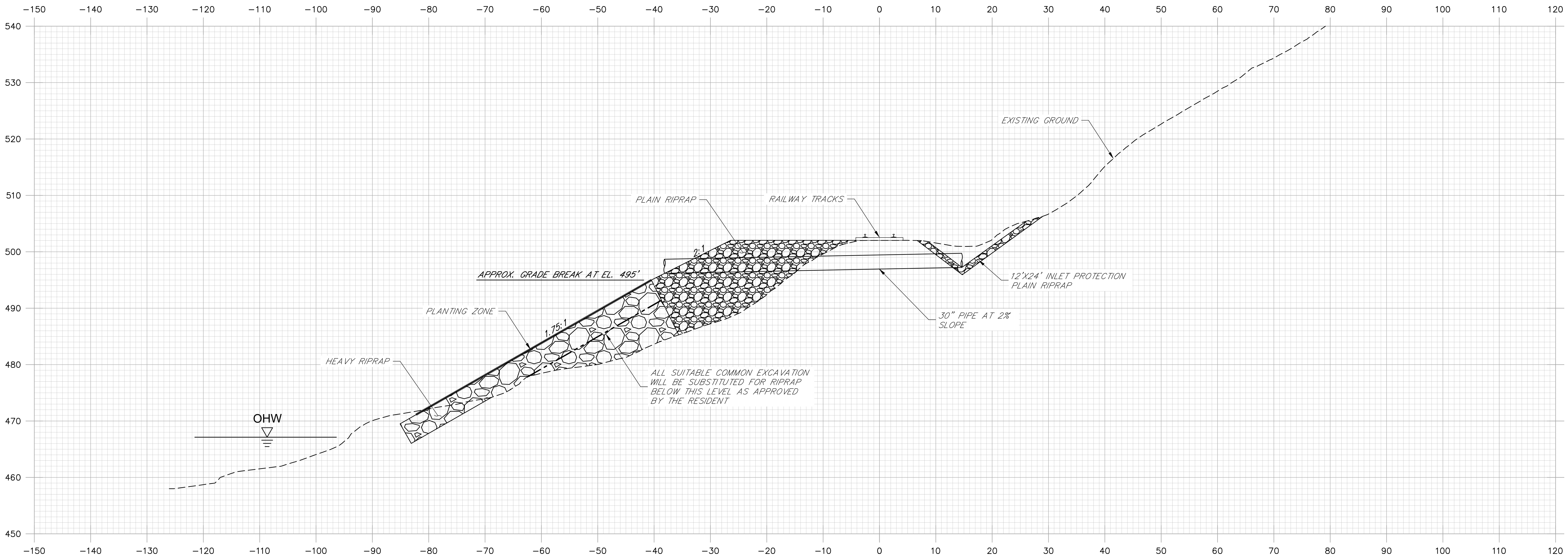
MNR STABILITY EVALUATION
REMEDIATION PROTECTION PROJECT

M.M. 258.28 SITE PLAN AND DETAILS

SHEET NUMBER
S08

Filename: mnr_railway_remediation.dgn Division: MULTIMDAL Username: hunter.pinkerton Date:01/06/2023



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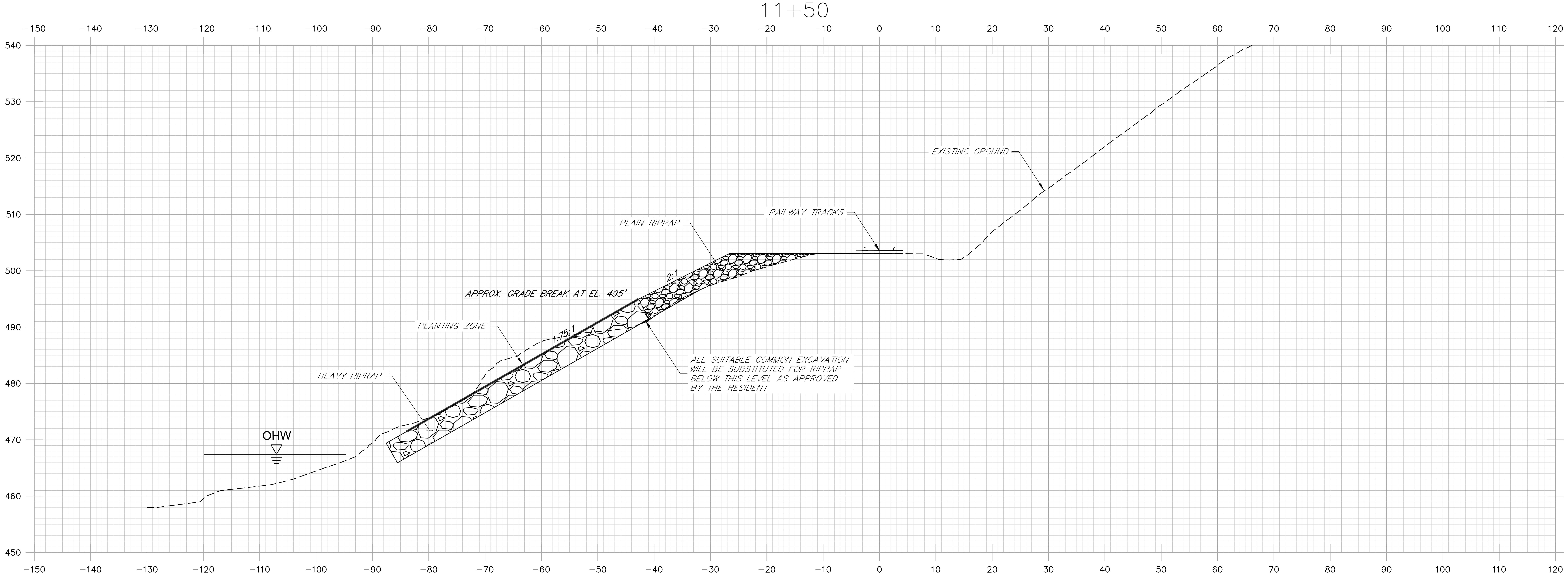

11+00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 024899.00

SIGNATURE

P.E. NUMBER

DATE

PROJECT INFORMATION

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CONTRACTOR	PROGRAM
PROJECT COMPLETION DATE	PROGRAM

MNR STABILITY EVALUATION
REMEDIATION PROTECTION PROJECT

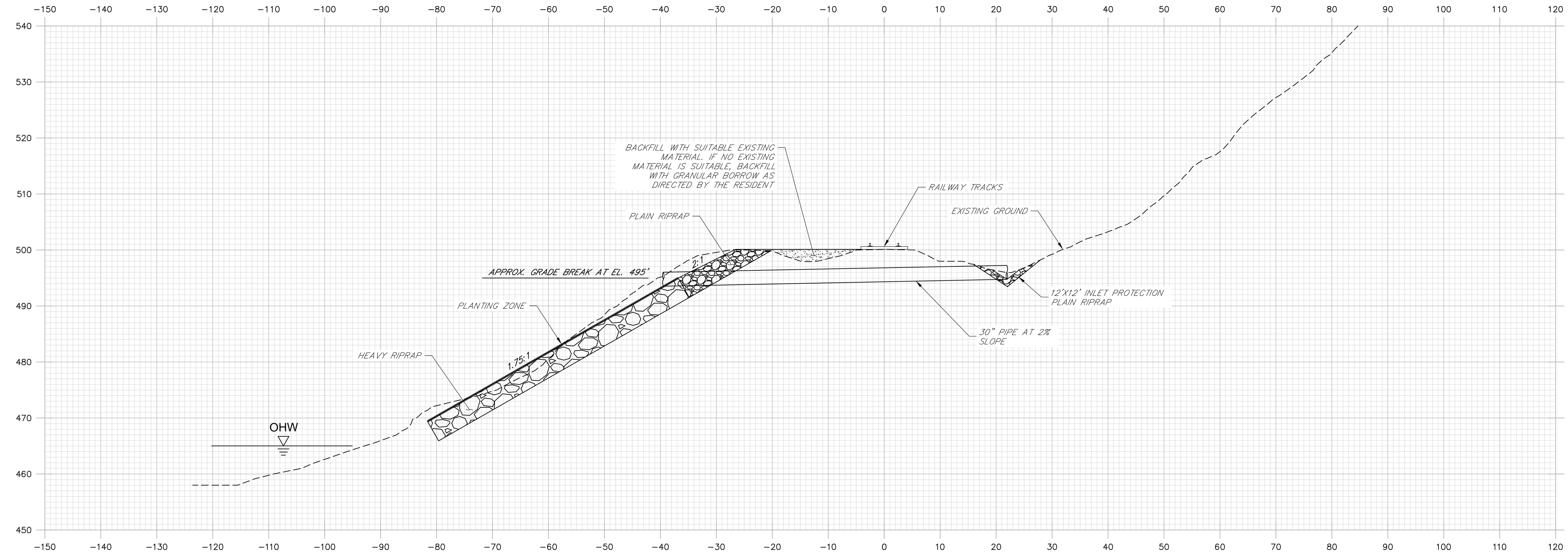
M.M. 258.28
CROSS SECTIONS (1 OF 2)

PREPARED BY:

SHEET NUMBER

S09

10 OF 15



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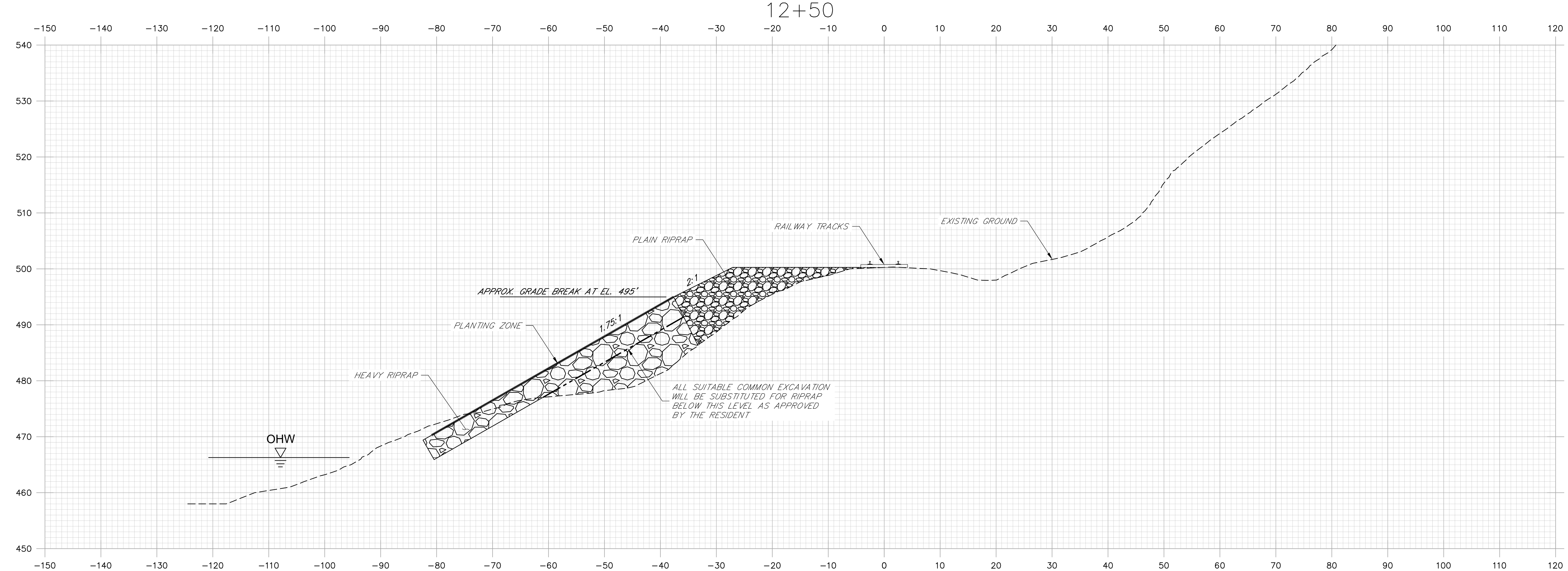


12+00

Filename: mnr_railway_remediation.dgn Division: MULTIMDAL Username: hunter.pinkerton Date:01/06/2023

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 024899.00

SIGNATURE
P.E. NUMBER
DATE

PROJECT INFORMATION

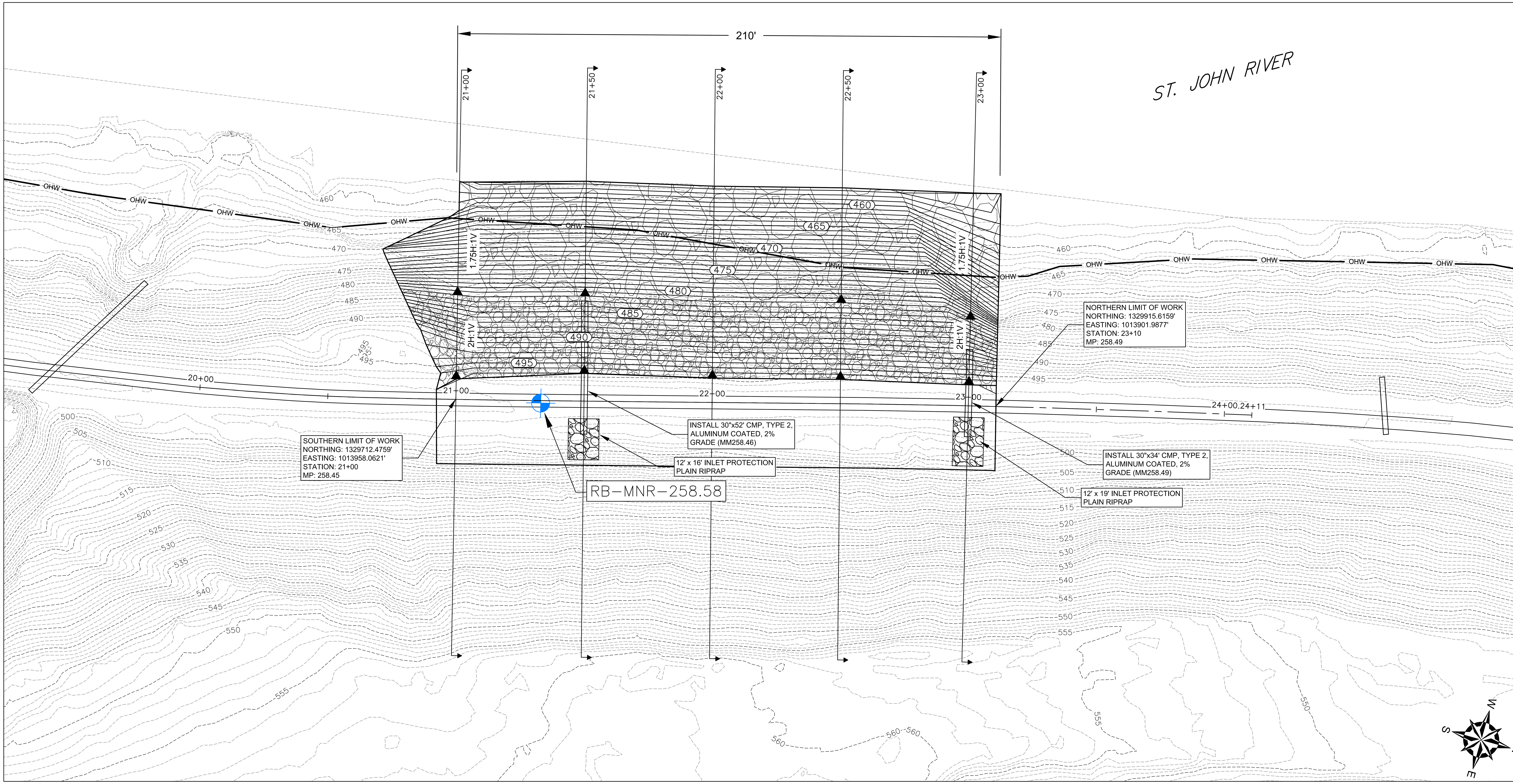
PROGRAM	MULTIMODAL
PROJECT MANAGER	MDOT: M KERSBERGEN
DESIGNER	HUNTER PINKERTON
CONSULTANT	GZA GEOENVIRONMENTAL
PROJECT RESIDENT	PROGRAM
CONTRACTOR	PROGRAM
PROJECT COMPLETION DATE	PROGRAM

MNR STABILITY EVALUATION
REMEDIATION PROTECTION PROJECT

M.M. 258.28
CROSS SECTIONS (2 OF 2)

SHEET NUMBER
S10

PREPARED BY: GZA



MM. 258.58 – SITE PLAN

0 10' 20' 40' 60'
SCALE IN FEET

LEGEND:

525	MAJOR EXISTING CONTOUR
	MINOR EXISTING CONTOUR
	PROPOSED CONTOUR
OHW	ORDINARY HIGH WATER MARK
	GZA BORING LOCATION
	HEAVY RIPRAP
	PLAIN RIPRAP
	APPROXIMATE LOCATION OF DRAINAGE CULVERT

PREPARED BY:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 024899.00

STATE OF MAINE CHRISTOPHER L. SNOW No. 7275 LICENSED PROFESSIONAL ENGINEER
01-10-2023

SIGNATURE
P.E. NUMBER
DATE

PROJECT INFORMATION

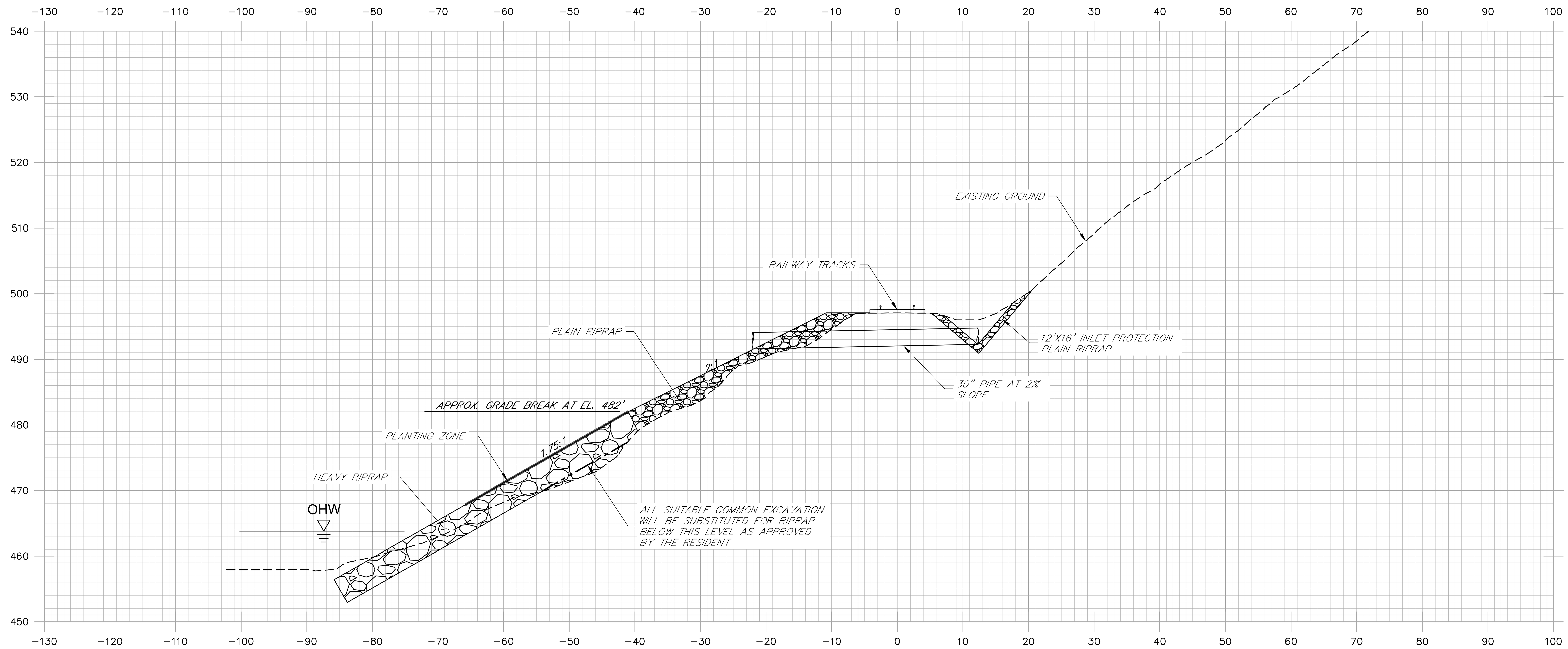
PROGRAM	MULTIMODAL
PROJECT MANAGER	MDOT: M KERSBERGEN
DESIGNER	HUNTER PINKERTON
CONSULTANT	GZA GEOENVIRONMENTAL
PROJECT RESIDENT	PROGRAM
CONTRACTOR	PROGRAM
PROJECT COMPLETION DATE	PROGRAM

MNR STABILITY EVALUATION
REMEDIATION PROTECTION PROJECT

M.M. 258.58 SITE PLAN AND DETAILS

SHEET NUMBER
S11
12 OF 15

Filename: mnr_railway_remediation.dgn Division: MULTIMDAL Username: hunter.pinkerton Date:01/06/2023



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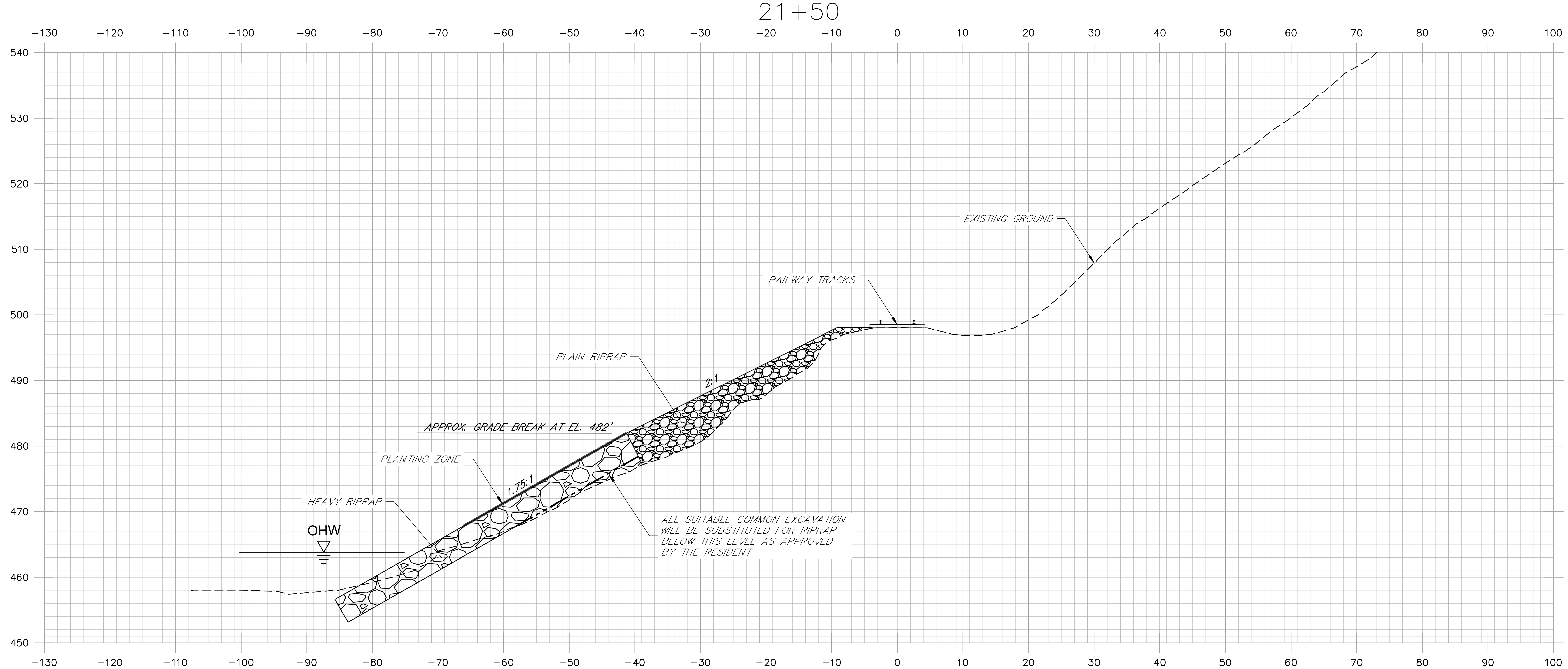

21+00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 024899.00

SIGNATURE

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DATE

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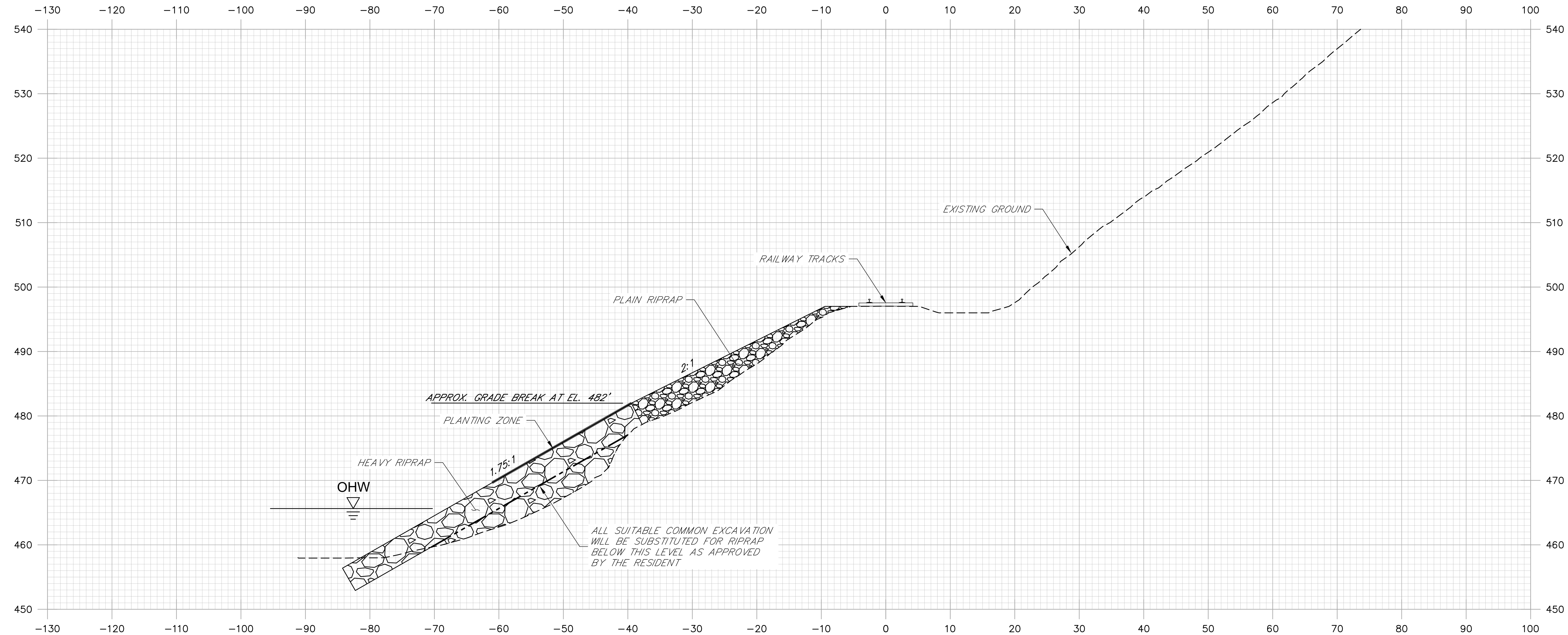
MNR STABILITY EVALUATION
REMEDIATION PROTECTION PROJECT

M.M. 258.58
CROSS SECTIONS (1 OF 3)

PREPARED BY:

SHEET NUMBER

S12



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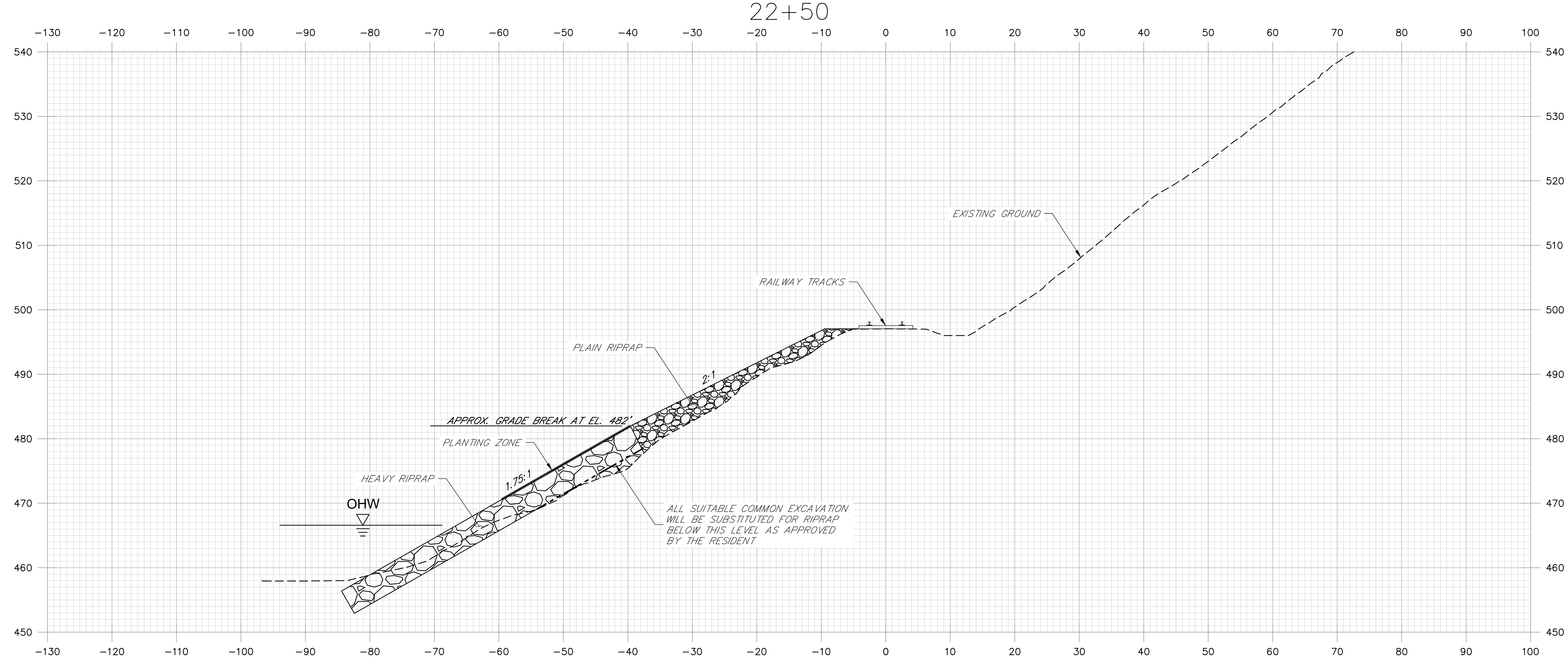

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Filename: mnr_railway_remediation.dgn
Division: MULTIMDAL
Username: hunter.pinkerton
Date:01/06/2023

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 024899.00

SIGNATURE
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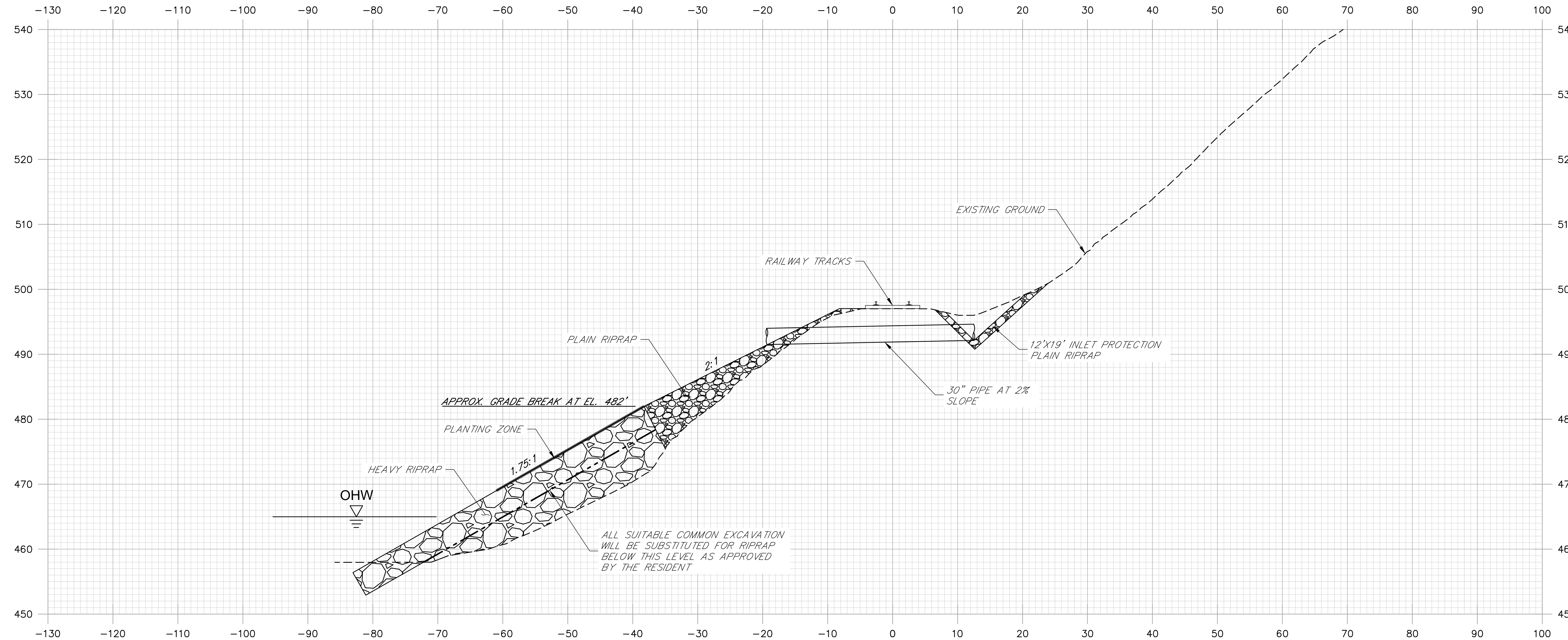
MNR STABILITY EVALUATION
REMEDIATION PROTECTION PROJECT

M.M. 258.58
CROSS SECTIONS (2 OF 3)

PREPARED BY:

SHEET NUMBER

S13



23+00

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DEPARTMENT OF TRANSPORTATION

WIN 024899.00

SIGNATURE	P.E. NUMBER	DATE

PROJECT INFORMATION

PROGRAM	MULTIMODAL
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PROJECT COMPLETION DATE	PROGRAM

MNR STABILITY EVALUATION
REMEDIATION PROTECTION PROJECT

M.M. 258.58
CROSS SECTIONS (3 OF 3)

PREPARED BY:

SHEET NUMBER

S14

Filename: mnr_railway_remediation.dgn
Division: MULTIMODAL
Username: hunter.pinkerton
Date:01/06/2023