



ANY ALTERATION OF PLANS, SPECIFICATIONS, PLATS AND REPORTS BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER OR LICENSED LAND SURVEYOR IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW, EXCEPT AS PROVIDED FOR BY SECTION 7209, SUBSECTION 2.

KRM Approved: DL NOT TO SCALE 11/24/2021 Project No: 14012/21121

14012-DETAILS HWY-13

NATIVE STREAMBED MATERIAL (ITEM 613.04000001, SEE DESIGNER NOTE)

AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR STRUCTURE EXCAVATION (ITEM 206.01)

DESIGNATES PAYMENT LINES FOR PERMANENT TIMBER SHEETING (ITEM 552.10), OR PERMANENT STEEL SHEETING (552.11) I — DESIGNATES PAYMENT LINES FOR INTERIM TIMBER SHEETING (ITEM 552.14), OR INTERIM STEEL SHEETING (552.15)

DESIGNATES COFFERDAM (TYPE 1) (ITEM 553.01nnnn), OR COFFERDAM (TYPE 2) (ITEM 553.02nnnn)

NOTE: ALL ITEMS IN LEGEND ARE INCLUDED IN BRIDGE ESTIMATE, EXCEPT AS NOTED.

NEW YORK STATE OF Department of Transportation Office of Structures EXCAVATION AND EMBANKMENT ORIGINAL ISSUED UNDER EB 21-007

EXCAVATION AND EMBANKMENT NOTES AND LEGEND

DESIGNER NOTES . COORDINATE WITH THE OFFICE OF STRUCTURES FOUNDATIONS AND CONSTRUCTION UNIT FOR THE SETBACK DISTANCE OF THE FOOTING FROM THE FINAL ROCK SLOPE, THE DEPTH OF THE FOOTING EMBEDMENT INTO SOUND ROCK (IF NECESSARY), AND/OR THE NECESSITY OF DOWELING OR KEYING THE FOOTING INTO THE ROCK SURFACE. SELECT STRUCTURE FILL (ITEM 203.21), COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY 2. IN SOUND ROCK, THE STRUCTURE EXCAVATION PAYMENT LINES SHALL SHOW FOOTINGS BEING POURED AGAINST ROCK EMBANKMENT IN PLACE (6" TOPSIZE), COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY (ITEM 203.03) EMBANKMENT IN PLACE, COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY (ITEM 203.03) 5. AT SOME SITES, FILL IS TO BE PLACED TO THE SUBGRADE OF ROADWAY AND ALLOWED TO STAND IN ORDER TO CONSOLIDATE THE UNDERLYING MATERIAL BEFORE THE PILES ARE DRIVEN. IN THIS CASE, A DETAIL SHOULD BE USED SIMILAR TO THE APPLICABLE CASE SHOWN ON BD-EE9. A 5'-O" PAD OF SELECT STRUCTURE FILL IS UNNECESSARY FOR PILE FOUNDATIONS. # # # # SELECT GRANULAR FILL, SLOPE PROTECTION - TYPE A (ITEM 203.0801) STONE FILLING (MEDIUM) (ITEM 620.04), STONE FILLING (FINE) (ITEM 620.02) STONE FILLING (HEAYY) (ITEM 620.05), STONE FILLING (LIGHT) (ITEM 620.03) STONE FILLING (EXTRA HEAYY) (ITEM 620.13000016) 6. SEE BRIDGE MANUAL SECTION 4 FOR GUIDELINES ON SHEETING AND COFFERDAMS. 7. SEE BRIDGE MANUAL SECTION 4 FOR GUIDELINES ON SELECTING THE PROPER TRENCH & CULVERT EXCAVATION ITEM. BEDDING MATERIAL (ITEM 620.0801) - OR - (ITEM 620.0802) 8. IN FILL SITUATIONS, THE REGIONAL GEOTECHNICAL ENGINEER SHALL DETERMINE THE DEPTH THAT THE SURFACE SOILS SHALL BE STRIPPED BENEATH ABUTMENT AND PIER FOOTINGS WHICH ARE 10 ft. OR LESS ABOVE THE ORIGINAL GROUND SURFACE WITHIN A RECTANGULAR OR TRAPEZOIDAL AREA BOUNDED BY LINES 15 ft. OUTSIDE THE ABUTMENT AND WINCWALL FOOTING OR TO THE TOE OF SLOPE, WHICHEVER IS LESS. QUANTITY TO BE INCLUDED IN HIGHWAY ESTIMATE. REMOVAL OF SUBSTRUCTURES (ITEM 202.19) 9. FOR STREAM BANK PROTECTION NOTES, SEE BD-EE5. BACKFILL FOR M.S.E.S. WALL (INCLUDED IN FILL TYPE RETAINING WALL (F.T.R.W.), ITEM 554.4X) 10. THE LOCATION OF PAYMENT LINES FOR SELECT STRUCTURE FILL (ITEM 203.21) AND EXCAVATION AROUND ABUTMENTS, PIERS AND WALLS SHALL BE GOVERNED BY THE FOLLOWING:

B. IN SOIL, THESE LINES SHALL BE SET BACK A DISTANCE OF THE FOOTING PROJECTION PLUS 3'-O", OR AS DETERMINED IN THE FOUNDATION DESIGN REPORT (FDR). FOR PRECAST UNITS, THE DISTANCE MAY BE REDUCED TO 2'-O".

12. IF SHEETING IS USED, REFER TO SECTION 4 OF THE BRIDGE MANUAL FOR THE APPROPRIATE INFORMATION TO INCLUDE ON THE CONTRACT PLANS. IF SOLDIER PILES ARE USED, REFER TO THE GUIDELINES ACCOMPANYING THE SOLDIER PILE WALL SPECIFICATION FOR THE APPROPRIATE INFORMATION TO INCLUDE ON THE CONTRACT PLANS.

15. IF A WEEPHOLE IS WITHIN 4'-O" OF THE TOP OF FOOTING, EXTEND THE PREFABRICATED COMPOSITE STRUCTURAL DRAIN TO THE TOP OF THE FOOTING, OTHERWISE, STOP THE DRAIN 1'-O" BELOW THE WEEPHOLE INVERT ELEVATION.

16. COFFERDAM LEGEND DESIGNATIONS SHOULD BE SERIALIZED BY EACH SUBSTRUCTURE EXCAVATION (C1, C2, C3, ETC.).

17. PREFABRICATED COMPOSITE STRUCTURAL DRAIN (PCSD) SHALL BE PLACED TO THE LEVEL OF THE BOTTOM OF THE APPROACH SLAB ON ABUTMENT STEMS.

18. FOR STRUCTURE EXCAVATION OVER 5'-0" DEEP USE A LAYBACK SLOPE OF 1 VERTICAL TO 1.5 HORIZONTAL FROM THE BOTTOM OF EXCAVATION. FOR MORE GUIDANCE REFER TO SECTION 4 OF THE BRIDGE MANUAL.

20. TURBIDITY CONTROL IS REQUIRED. FOR GUIDANCE AND DETAILS REFER TO SOIL EROSION AND SEDIMENT CONTROL STANDARD SHEETS.

21. IF IT IS DETERMINED THAT SUPPLEMENTAL NATIVE STREAMBED MATERIAL WILL BE NEEDED, DESIGNER SHALL CONTACT REGIONAL ENVIRONMENTAL FOR ITEM AND MATERIAL REQUIREMENTS.

19. THE LOCATION OF PAYMENT LINES FOR STRUCTURE EXCAVATION HORIZONTAL LIMITS IN FRONT OF THE ABUTMENT WILL BE AT THE TOE OF SLOPE AT UNDER ROADWAY LOCATIONS OR AT THE EDGE OF THE STONE KEYS AT STREAM LOCATIONS.

22. EMBANKMENT IN PLACE AS SHOWN IN THE BD-EE SERIES SHALL BE INCLUDED IN THE BRIDGE SHARE OF THE ESTIMATE.

13. IF INTERIM SHEETING IS USED, INCLUDE THE FINAL CUT-OFF ELEVATION FOR THE SHEETING. REFER TO THE F.D.R. FOR THE APPROPRIATE CUT-OFF ELEVATION.

14. IF THE INTERIM SHEETING IS FOR STAGE CONSTRUCTION, SHOW THE CONNECTION BETWEEN THE INTERIM SHEETING AND THE EXISTING/PROPOSED ABUTMENT.

AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR TRENCH & CULVERT EXCAVATION (ITEM 206.0201).

PREFABRICATED COMPOSITE STRUCTURAL/INTEGRAL ABUTMENT DRAIN (ITEM 207.26/27)

—— SS — DESIGNATES PAYMENT LINES FOR SHIELDS AND SHORING SYSTEM (ITEM 552.17)

DELINEATOR, SNOWPLOWING MARKER, AND SUPPLEMENTARY SNOWPLOWING MARKER DETAILS AND NOTES