

**NOTIFICATION OF CONSTRUCTION INITIATION:**  
AT LEAST FOURTEEN DAYS PRIOR TO ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL ADVISE THE DISTRICT OFFICE OF COMMUNICATIONS VIA EMAIL AT d06.pio@dot.ohio.gov, CENTRAL OFFICE SPECIAL HAUL PERMITS VIA EMAIL AT hauling.permits@dot.ohio.gov, AND THE DISTRICT WORK ZONE TRAFFIC MANAGER VIA EMAIL AT d06.mot@dot.ohio.gov OF ANTICIPATED START DATE OF ANY CONSTRUCTION ACTIVITIES, INCLUDING BUT NOT LIMITED TO THE PLACING OF WORK ZONE SIGNS. THE NOTIFICATION SHALL ALSO INCLUDE THE PROJECT NUMBER, PID, NAME AND PHONE NUMBER OF THE CONTRACTOR, A POINT OF CONTACT AND THE ANTICIPATED IMPACT ON TRAFFIC. THE CONTRACTOR WILL IMMEDIATELY INFORM THE DISTRICT OFFICE OF COMMUNICATIONS AND THE DISTRICT WORK ZONE TRAFFIC MANAGER OF ANY AND ALL DELAYS AND/OR CHANGES REGARDING THE CONSTRUCTION INITIATION DATE.

**GENERAL:**  
THE CONTRACTOR SHALL SUBMIT IN WRITING A SCHEDULE OF OPERATIONS TO THE ENGINEER AND RECEIVE APPROVAL IN WRITING BEFORE WORK IS STARTED ON THIS PROJECT. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

**WORK LIMITS:**  
THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

NO WORK BELOW THE ORDINARY HIGH WATER MARK OF HOMINY CREEK IS PERMITTED.

**CONTRACTORS EQUIPMENT - OPERATION AND STORAGE:**  
THE CONTRACTOR'S EQUIPMENT SHALL BE OPERATED IN THE DIRECTION OF TRAFFIC WHERE PRACTICAL. EQUIPMENT SHALL HAVE AT LEAST ONE AMBER FLASHING LIGHT. WHEN PARKED ALONG THE HIGHWAY, THE EQUIPMENT SHALL BE LOCATED EITHER A MINIMUM OF 30 FEET FROM THE EDGE OF PAVEMENT OR SIX FEET BEHIND GUARDRAIL WITH A MINIMUM OF 125 FEET OF GUARDRAIL PRECEDING THE EQUIPMENT. ALL OTHER EQUIPMENT, INCLUDING PRIVATE VEHICLES, SHALL BE STORED AT AN APPROVED CONTRACTOR'S STORAGE AREA.

**REMOVAL ITEMS:**  
GUARDRAIL, POSTS, AND MISCELLANEOUS HARDWARE DESIGNATED FOR REMOVAL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF. PAYMENT FOR THE ABOVE SHALL BE INCLUDED IN THE UNIT BID FOR THE REMOVED ITEM.

**UTILITIES:**  
THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDERNEATH OR ADJACENT TO THE WORK AREA.

THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING OHIO811 AND ENSURING THERE ARE NO CONFLICTING UTILITIES PRIOR TO CONSTRUCTING THE PROPOSED RETAINING WALL AND GUARDRAIL.

**ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN, (MASH 2016):**  
THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEER'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH REBOUNDABLE RETROREFLECTIVE SHEETING, PER CMS 730.191.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. PLACEMENT OF THE FOUNDATION TUBES SHOULD BE APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES NOT PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT, AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT, AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

**ITEM 203 - EMBANKMENT, AS PER PLAN:**  
QUANTITIES FOR ITEM 203 EMBANKMENT, AS PER PLAN HAVE BEEN PROVIDED TO BUILD UP FORESLOPES AND ENSURE PROPER GRADING FOR THE PROPOSED MGS GUARDRAIL. THIS ITEM OF WORK INCLUDES ANY MINOR CLEARING AND GRUBBING NECESSARY TO PLACE THE EMBANKMENT AT THE LOCATIONS SPECIFIED OR DIRECTED.

**ITEM 203 - GRANULAR MATERIAL, TYPE B, AS PER PLAN:**  
THIS ITEM HAS BEEN PROVIDED TO BE USED AS COMPACTED BACKFILL BEHIND THE SHEET PILE WALL UP TO THE FINAL PROPOSED GRADE ELEVATION. THE CONTRACTOR MUST PROVIDE EITHER HAND-HELD OR SMALL COMPACTION EQUIPMENT TO COMPACT THE GRANULAR BACKFILL. CONSTRUCT THE GRANULAR BACKFILL IN 6-INCH HORIZONTAL LOOSE LIFTS IN ACCORDANCE WITH CMS 203.06.E.

THE INTENT IS TO ACHIEVE A COMPACTED EMBANKMENT THAT WILL NOT SETTLE AND IS FREE TO DRAIN. REQUIREMENTS OF SUPPLEMENT 1015 IS NOT REQUIRED.

**ITEM SPECIAL - PIPE CLEANOUT**  
THIS WORK CONSISTS OF REMOVING SEDIMENT AND DEBRIS FROM THE EXISTING DRAINAGE CONDUITS SPECIFIED IN THE PLANS. DISPOSE OF ALL MATERIAL PER 105.16 AND 105.17. CLEAN OUT TO THE APPROVAL OF THE ENGINEER.

CLEANOUT OF THE PIPE IS PAID FOR AT THE UNIT PRICE BID FOR ITEM SPECIAL, PIPE CLEANOUT. THIS PRICE INCLUDES THE COST FOR MATERIAL, EQUIPMENT, LABOR, AND ALL INCIDENTALS REQUIRED TO COMPLETE THE CLEANOUT.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM SPECIAL: PIPE CLEANOUT, 24" AND UNDER = 45 FT

**DESIGN DATA**  
STEEL SHEET PILES - ASTM A572 - YIELD STRENGTH 50 KSI

**ITEM 504 - STEEL SHEET PILING LEFT IN PLACE, AS PER PLAN:**  
THE CONTRACTOR SHALL FURNISH AND INSTALL NEW STEEL SHEET PILE SECTIONS IN ACCORDANCE WITH ASTM A572 GRADE 50, 30 FEET LONG, WITH A MINIMUM SECTION MODULUS OF 22.4 IN³/FT. USED SHEET PILING SHALL NOT BE ACCEPTED. SPLICING OF THE SHEET PILE SECTION IS NOT PERMITTED EXCEPT WITHIN THE TOP 10 FEET OR BOTTOM 10 FEET. ANY SPLICING MUST BE WITH A FULL PENETRATION WELD.

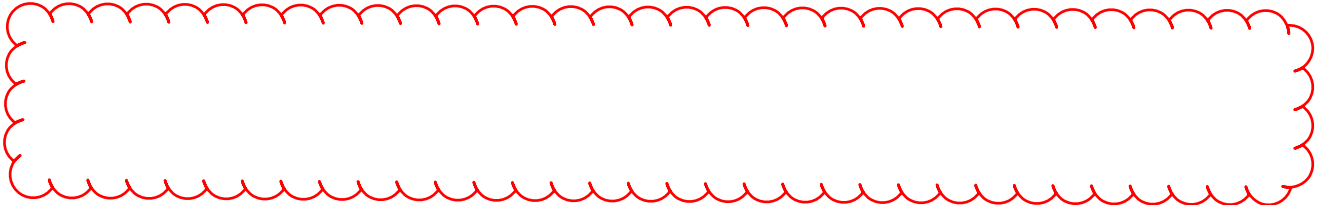
**BENCHMARKS:**  
THE TABLE BELOW SUMMARIZES THE SURVEY BENCHMARKS IDENTIFIED DURING PROJECT DEVELOPMENT AND ARE INCLUDED AS A REFERENCE ONLY. THE CONTRACTOR SHALL FIELD-VERIFY ALL SURVEY INFORMATION PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.

BENCHMARK INFORMATION					
NAME	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)	STATION	DESCRIPTION
BM-1	577637.41	1851018.63	714.822	51+81.09	CONCRETE MONUMENT
BM-2	577637.41	1851018.63	714.822	57+01.52	CONCRETE MONUMENT
BM-3	577518.72	1851525.294	724.289	57+01.79	CONCRETE MONUMENT

**ITEM 623 - CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN:**  
THIS ITEM SHALL CONSIST OF STATIONING USING 3 FT LATH STAKES. THE STAKES SHALL BE SPACED AT 50 FT INTERVALS AND SHALL EXTEND THROUGHOUT THE LENGTH OF THE PROJECT.

PLACEMENT OF THE STAKES SHALL BE AS DIRECTED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY DAMAGED OR MISSING STAKES.

CONSTRUCTION LAYOUT STAKES, AS PER PLAN WILL BE PAID FOR AT THE CONTRACT LUMP SUM BID, WHICH SHALL BE FULL COMPENSATION FOR ALL SERVICES, MATERIALS, LABOR, EQUIPMENT, TOOLS, AND INCIDENTALS, INCLUDING THE REMOVAL, NECESSARY TO COMPLETE THIS ITEM.



**ITEM 202 GUARDRAIL REMOVED, AS PER PLAN:**  
**ITEM 202 ANCHOR ASSEMBLY REMOVED, TYPE E, AS PER PLAN:**  
IN ADDITION TO THE REQUIREMENTS OF ITEM 202, REMOVAL OF SPECIFIED GUARDRAIL ITEMS SHALL INCLUDE BUT NOT BE LIMITED TO ANY ATTACHED POSTS, SIGNS AND DELINEATORS (NOT OTHERWISE SPECIFIED). THIS REMOVAL WILL INCLUDE ALL POSTS, ANCHORS AND HARDWARE UNDER GROUND.

THE CONTRACTOR SHALL EXPECT TO REMOVE ALL CONCRETE FOUNDATIONS COMPLETELY AT ALL LOCATIONS UNLESS OTHERWISE INSTRUCTED OR APPROVED BY THE ENGINEER. REMOVING EXISTING CONCRETE FOUNDATION TO A MINIMUM OF 1 FOOT BELOW THE GRADE OF THE SURROUNDING AREA MAY ONLY BE PERMITTED IF THE EXISTING CONCRETE DOES NOT FALL WITHIN 6 FEET OF THE PROPOSED AS TO NOT COMPROMISE THE PERFORMANCE OF THE PROPOSED GUARDRAIL SYSTEM(S).

EXISTING TYPE T ANCHOR ASSEMBLIES AND EXISTING BRIDGE TERMINAL ASSEMBLIES THAT HAVE NOT BEEN IDENTIFIED IN THE PLANS THAT ARE ENCOUNTERED WITHIN REMOVAL LIMITS SHALL BE REMOVED UNDER THE QUANTITIES PROVIDED FOR ITEM 202 GUARDRAIL REMOVED, AS PER PLAN, AND BE PAID FOR BY "FEET".

ALL HOLES AND VOIDS REMAINING AFTER REMOVAL OF GUARDRAIL POSTS AND FOUNDATIONS SHALL BE FILLED WITH GRANULAR MATERIAL CONFORMING TO CMS 203.02R. FILL MATERIAL CONTAINING SOD SHALL NOT BE USED. ALL FILL MATERIAL SHALL BE APPROVED BY THE ENGINEER. MATERIAL PLACED IN HOLES SHALL BE THOROUGHLY COMPACTED AND LEVELED OFF AS DIRECTED BY THE ENGINEER. PAYMENT FOR THE ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPLICABLE GUARDRAIL REMOVAL ITEM.

NO HAZARD SHALL BE LEFT UNPROTECTED EXCEPT FOR THE ACTUAL TIME NECESSARY TO REMOVE THE EXISTING GUARDRAIL, PREPARE THE SITE AND INSTALL NEW GUARDRAIL IN A CONTINUOUS OPERATION. ANCHOR ASSEMBLIES (TYPES A&T), WOODEN BLOCKOUTS AND DAMAGED GUARDRAIL PANELS ARE TO BECOME PROPERTY OF THE CONTRACTOR.

DESIGN AGENCY



DESIGNER

MAK

REVIEWER

JPH 11/22/24

PROJECT ID

122160

SHEET

P.04

TOTAL

15