

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 UNDER OR ADJACENT TO THE WORK AREA.

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS EVEN THOUGH OTHERWISE SHOWN.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE THIS SHEET FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: ROBOTIC TOTAL STATION
MONUMENT TYPE: TYPE B

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: 12B

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE, NORTH ZONE (3401)
COMBINED SCALE FACTOR: 0.999918019
ORIGIN OF COORDINATE SYSTEM: 0,0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

CLEARING AND GRUBBING, AS PER PLAN

A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING, AS PER PLAN. DUE TO SEASONAL RESTRICTIONS, ODOT HAS FELLED TREES WITHIN THE CONSTRUCTION LIMITS, AND LEFT THE TREES ON SITE. THIS ITEM INCLUDES THE REMOVAL OF ALL STUMPS, TREES AND TREE REMNANTS WITHIN THE CONSTRUCTION LIMITS. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM AND AS MODIFIED BY THIS NOTE, ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING, AS PER PLAN.

BENCHING OF FOUNDATION SLOPES

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN 203.05. NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF 203.05.

SPECIAL BENCHING SLOPE DRAINS

PLACE SPECIAL BENCHING SLOPE DRAINS AT THE LOCATIONS SHOWN ON THE PLAN & PROFILE AND CROSS SECTION SHEETS. THESE DRAINS SHALL CONSIST OF ITEM 203 GRANULAR EMBANKMENT, AS PER PLAN (NO. 8 AGGREGATE), ITEM 204 GEOTEXTILE FABRIC, 712.09 TYPE A, AND ITEM 611 CONDUIT TYPE E, 707.31 (PERFORATED). THE TYPE E CONDUIT SHALL BE PERFORATED AS PER CONDUIT FOR ITEM 605 UNCLASSIFIED PIPE UNDERDRAINS. THE GRANULAR EMBANKMENT SHALL BE PLACED IN LIFTS AS THE SPECIAL BENCHING BACKFILL IS CONSTRUCTED. TRANSVERSE OUTLET DRAINS SHALL BE PROVIDED AT THE LOCATIONS SHOWN ON THE PLAN & PROFILE AND CROSS SECTION SHEETS. THESE OUTLET DRAINS SHALL CONSIST OF ITEM 611 CONDUIT TYPE F, 707.33 WITH ITEM 611 PRECAST REINFORCED CONCRETE OUTLETS.

ITEM 203 - BORROW, AS PER PLAN

THIS ITEM SHALL CONFORM TO ITEM 203 - BORROW, AND SHALL BE CLASSIFIED AS A-6 OR A-7-6 WITH A MINIMUM OF 75 PERCENT PASSING THE #200 SIEVE AND 90 PERCENT PASSING THE #10 SIEVE.

ITEM 606 - GUARDRAIL, TYPE MGS, AS PER PLAN, WITH STEEL POSTS

COMPLETE WORK IN ACCORDANCE WITH ITEM 606 - GUARDRAIL, TYPE MGS, EXCEPT ONLY USE STEEL GUARDRAIL POSTS TO FACILITATE DRIVING THE POSTS THROUGH THE GRANULAR EMBANKMENT DRAINAGE LAYER. THE COST ASSOCIATED WITH FURNISHING AND INSTALLING STEEL POSTS IS INCIDENTAL TO GUARDRAIL, TYPE MGS, AS PER PLAN, WITH STEEL POSTS.

ITEM 609 - CURB, TYPE 4-C, AS PER PLAN

CONSTRUCT THE CONCRETE SPILLWAY IN ACCORDANCE WITH CM&S SECTION 609 AND THE DETAILS ON SHEET 2. THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT UNIT PRICE PER FOOT OF ITEM 609 - CURB, TYPE 4-C, AS PER PLAN.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, SEEDING AND MULCHING 15500 SQ. YD.

659, REPAIR SEEDING AND MULCHING 775 SQ. YD.

659, INTER-SEEDING 775 SQ. YD.

659, COMMERCIAL FERTILIZER 2.25 TON

659, WATER 86 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

FENCE LENGTHS

THE LENGTHS OF FENCE SHOWN IN THE PLANS ARE HORIZONTAL DIMENSIONS. MEASUREMENTS OF THE FINAL QUANTITIES WILL BE IN ACCORDANCE WITH ITEM 607.

ITEM 202 - FENCE REMOVED, AS PER PLAN

ODOT PREVIOUSLY REMOVED A MAJORITY OF THE EXISTING RIGHT OF WAY FENCE DURING TREE REMOVAL OPERATIONS. FENCE COMPONENTS INCLUDING END, CORNER OR ANCHOR POST ASSEMBLIES AND INDIVIDUAL POSTS REMAIN. REMOVE FENCING, POST ASSEMBLIES, POSTS AND OTHER FENCE ITEMS AS DIRECTED BY THE ENGINEER. MEASUREMENT WILL BE MADE PER LINEAL FOOT OF FENCE REMOVED. REMOVAL OF ISOLATED POSTS (WITH NO FENCING ATTACHED) WILL BE PAID AT THE RATE OF 1 FOOT PER POST.

VEGETATED FILTER STRIP

THIS PLAN UTILIZES VEGETATED FILTER STRIP(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AND ITEM 670, SLOPE EROSION PROTECTION TO ALL DISTURBED AREAS DESIGNATED AS VEGETATED FILTER STRIPS.

ITEM 601 - SLOPE PROTECTION, MISC.: REMOVE, STORE AND RE-PLACE TYPE 2 TIED CONCRETE BLOCK MAT

PRIOR TO SLOPE EXCAVATION, REMOVE THE EXISTING TIED CONCRETE BLOCK MAT(S) NOTED IN THE PLAN. STORE THE MAT(S) UNTIL THE SLOPE RECONSTRUCTION WORK IS COMPLETE. RE-PLACE THE MAT(S) AT THE LOCATION SHOWN ON THE PLAN.

THE DEPARTMENT WILL PAY FOR ALL WORK TO REMOVE, STORE, RE-PLACE AND DISPOSE OF UNUSED TIED CONCRETE BLOCK MAT UNDER ACCEPTED UNIT PRICES PER SQUARE YARD BID FOR ITEM 601 - SLOPE PROTECTION, MISC.: REMOVE, STORE AND RE-PLACE TYPE 2 TIED CONCRETE BLOCK MAT.

PRIMARY PROJECT CONTROL INFORMATION				
POINT CONTROL	GROUND COORDINATES US SURVEY FEET		STATION/OFFSETS	DESCRIPTION
	NORTHING	EASTING		
BM #300	586633.383	1653700.450	STA. 377+40.26, 77.31' LT	MAG NAIL SET IN CONCRETE BARRIER
	ELEVATION			
	709.737			
BM #301	585787.031	1653187.768	STA. 387+16.81, 82.37' LT	MAG NAIL SET IN CONCRETE BARRIER
	ELEVATION			
	717.975			
MN #3	585986.585	1653374.662	STA. 380+00.00', 0.00'	FOUND CONCRETE MONUMENT
	ELEVATION			
	708.197			
MN #5	586409.085	1653641.418	STA. 385+00.00', 0.00'	FOUND CONCRETE MONUMENT
	ELEVATION			
	715.208			
CP #100	586033.082	1653305.884	STA. 380+07.72, 82.65' LT	IRON PIN SET
	ELEVATION			
	711.952			
CP #101	586408.746	1653539.597	STA. 384+41.20, 82.78' LT	IRON PIN SET
	ELEVATION			
	716.369			
CP #102	586627.345	1653697.869	STA. 387+10.40, 80.96' LT	IRON PIN SET
	ELEVATION			
	717.622			
CP #103	585769.043	1653176.128	STA. 377+19.47, 80.39' LT	IRON PIN SET
	ELEVATION			
	705.862			

ITEM 630 - GROUND MOUNTED NO. 3 POST, AS PER PLAN

THIS ITEM SHALL CONSIST OF INSTALLING A GROUND MOUNTED NO. 3 POST WITH THE EMBEDMENT DEPTH OF A MINIMUM OF 48". ADDITIONAL EMBEDMENT DEPTH IS INCLUDED IN THE PLAN QUANTITY PRICE FOR:

ITEM 630, GROUND MOUNTED NO. 3 POST, AS PER PLAN.

ENVIRONMENTAL

THE CONTRACTOR SHALL NOT REMOVE ANY TREES UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. THE PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

