#### ROUNDING

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

### UTILITIES

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THERE ARE NO KNOWN UNDERGROUND OR OVERHEAD UTILITIES WITHIN THE PROJECT CONSTRUCTION LIMITS.

#### SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL
POSITIONING ON ODOT PROJECTS. SEE BELOW 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: ODOT VRS
MONUMENT TYPE: AS NOTED IN PROJECT CONTROL TABLE
SHOWN ON THIS SHEET

#### VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD 88 GEOID: GEOID 2012A

#### HORIZONTAL POSITIONING

REFERENCE FRAME: NAD 83 (2011) (EPOCH: 2010.0000)
ELLIPSOID: GRS 80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE (NORTH ZONE) (3401)
COMBINED SCALE FACTOR: 0.9999069813
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.

PRIMAI	RY PROJECT CON	TROL POINTS -	PAF 0.99990698	13
	SCALE ABOUT	ORIGIN POINT	N=O, E=O	
LO	CAL COORDINATE	S USED FOR CO	ONTROL POINTS	
SOURCE OF CONTROL	PROJ. NORTH	PROJ. EAST	MON. TYPE	ELEV.
71	584578.824	2230493.132	#5 REBAR W/ ODOT CAP	774.65
T2	585258.634	2231063.028	#5 REBAR W/ ODOT CAP	802.84
<i>19</i>	584193.263	2230223.348	#5 REBAR W/ ODOT CAP	765.14

# 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.

### PROTECTION OF RIGHT-OF-WAY LANDSCAPING

PRIOR TO BEGINNING WORK, THE CONTRACTOR, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY WILL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT-OF-WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS). A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE.

CONSTRICT ALL ACTIVITIES, EOUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL, THE CONSTRUCTION LIMITS ARE IDENTIFIED AS 30 FEET FROM THE EDGE OF PAYEMENT.

SUBMIT A WRITTEN REQUEST TO THE PROJECT ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. USE OF THESE AREAS FOR DISPOSAL OF WASTE MATERIAL AND CONSTRUCTION DEBRIS, EXCAVATION OF BORROW MATERIAL AND PLACEMENT OF PORTABLE PLANTS IS PROHIBITED. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS, AS DEFINED ABOVE, WILL BE REPLACED IN KIND OR AS APPROVED BY THE PROJECT ENGINEER.

#### CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM OUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201 - CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201 - CLEARING AND GRUBBING.

#### 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.

### ITEM 203 - EMBANKMENT USING NO. 57 AGGREGATE

FURNISH DURABLE, NATURAL AGGREGATE NO. 57 SIZE. PLACE THE AGGREGATE AT THE THICKNESS AND SLOPE AS SHOWN ON THE TYPICAL SECTION AND CROSS-SECTIONS.

# ITEM 304 - AGGREGATE BASE, AS PER PLAN

GRANULATED SLAG (GS) SHALL NOT BE PERMITTED FOR THIS
ITEM. ALL OTHER REQUIREMENTS OF SECTIONS 304 AND 703.17
OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS SHALL
STILL BE APPLICABLE.

#### CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL

WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A W-BEAM, BEAM SPLICE AS SHOWN IN AASHTO M 180-12, EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

#### SEEDING AND MULCHING

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

ITEM 659 - TOPSOIL 541 CY
ITEM 659 - COMMERCIAL FERTILIZER 0.66 TON
ITEM 659 - LIME 1.01 AC
ITEM 659 - WATER26 MGAL
ITEM 671 - EROSION CONTROL MAT, TYPE E4875 SY

THE EROSION CONTROL MAT 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. OUANTITY CALCULATIONS FOR THE EROSION CONTROL MAT ARE BASED ON THESE LIMITS.

## EXISTING SUBSURFACE DRAINAGE

PROVIDE UNOBSTRUCTED OUTLETS FOR ALL EXISTING UNDERDRAINS OR AGGREGATE DRAINS ENCOUNTERED DURING CONSTRUCTION.

PROVIDE AN OUTLET PER STANDARD CONSTRUCTION DRAWING DM-1.1 FOR ALL UNDERDRAINS THAT OUTLET TO A SLOPE.

UNDERDRAINS THAT CAN BE CONNECTED TO THE NEW OR EXISTING UNDERDRAINS AT THE END OF THE PROJECT LIMITS AS WELL AS ALL NECESSARY BENDS OR BRANCHES REQUIRED FOR CONNECTION ARE INCLUDED IN THE BASIS OF PAYMENT FOR UNCLASSIFIED PIPE UNDERDRAINS.

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

ITEM 605 - 6" UNCLASSIFIED PIPE UNDERDRAINS \_ \_ \_ 20 FT

#### ITEM 203 - EXCAVATION, AS PER PLAN

ALL PROVISIONS OF CMS ITEM 203 APPLY, EXCEPT THE REMOVAL OF EXISTING GEOWEB WILL BE CONSIDERED INCIDENTAL TO THE UNIT BID PRICE OF ITEM 203 EXCAVATION, AS PER PLAN.

SHEET NUM.										ı	_		PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION		SALCULATED SLP CHECKED
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	LS												LS	201	11000	LS		CLEARING AND GRUBBING		]
<u> </u>				757									757	202	23010	757		PAVEMENT REMOVED, ASPHALT		4
-				400	17,177						1		400 17,177	202 203	38000 10001	400 17,177		GUARDRAIL REMOVED EXCAVATION, AS PER PLAN		1
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																				1
					723								723	203	35000	723		GRANULAR EMBANKMENT, NO. 57 STONE		1
-				600	854						-		854 600	203 204	35120 10000	854 600		GRANULAR MATERIAL, TYPE C SUBGRADE COMPACTION	+	1
				- 000	4,647								4,647	204	50100	4,647		GEOTEXTILE FABRIC, 712.09, TYPE A		1
				4									4	209	60201	4		LINEAR GRADING, AS PER PLAN	4	1
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$\vdash$				400									400	605	14000	400		6" BASE PIPE UNDERDRAINS		┨┈
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20				59									59	407	20000	59		NON-TRACKING TACK COAT		1
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3/2				1 75										772	20051	75	- 67	ASTRALI CONCRETE SONTAGE COORSE, 12.5 mm, TITE D 1970, AS TEN TEAM	+ -	1
»[				400									400	618	40100	400	FT	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)		1
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SF —	1			5		1					<del> </del>		5	626	00110	5	EACH	BARRIER REFLECTOR, TYPE 2, I-WAY	+	1
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