

**GENERAL**

**UTILITIES**

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

**SEWER**  
**NORTHEAST OHIO REGIONAL SEWER DISTRICT (NEORS)**  
 ROBERT STOERKEL  
 3900 EUCLID AVENUE  
 CLEVELAND, OH 44115-2506  
 216-881-6600 EXT. 6802  
 STOERKELR@NEORS.DOR

**VILLAGE OF BROOKLYN HEIGHTS**  
 C/O CHAGRIN VALLEY ENGINEERING  
 JENNY ZOLDAK  
 22999 FORBES ROAD  
 OAKWOOD VILLAGE, OH 44146  
 440-439-1999  
 ZOLDAK@CVELIMITED.COM

**SURVEYING PARAMETERS**

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

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

**PROJECT CONTROL**  
 POSITIONING METHOD: ODOT VRS  
 MONUMENT TYPE: TYPE B

**VERTICAL POSITIONING**  
 ORTHOMETRIC HEIGHT DATUM: NAVD 88  
 GEOID: 18

**HORIZONTAL POSITIONING**  
 REFERENCE FRAME: NAD83 (2011 ADJ, (2010 EPOCH))  
 ELLIPSOID: GRS 80  
 COORDINATE SYSTEM: CUYAHOGA COUNTY (OCCS)  
 MAP PROJECTION: TRANSVERSE MERCATOR  
 CENTRAL LATITUDE: N 40° 09' 00"  
 CENTRAL LONGITUDE: E 278° 15' 00"  
 FALSE NORTHING: 0 METERS  
 FALSE EASTING: 50,000 METERS  
 PROJECTION SCALE FACTOR: 1.000029

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.

**CONSTRUCTION NOISE**

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 8 PM AND 7 AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

**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.

CONSTRUCT ALL ACTIVITIES, EQUIPMENT 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 PAVEMENT.

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.

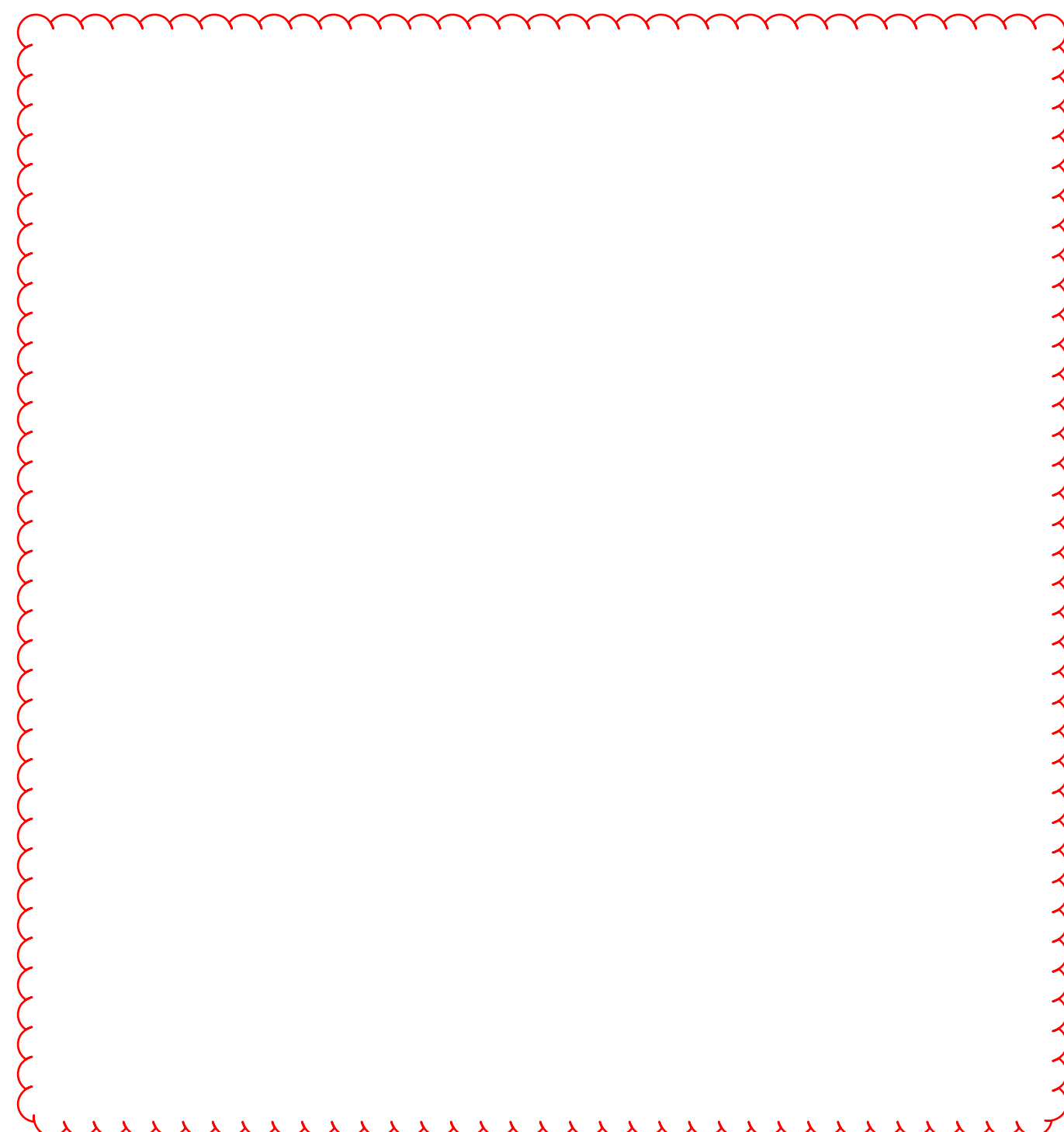
**ITEM 623, CONSTRUCTION LAYOUT STAKES AND SURVEY MONUMENTS, AS PER PLAN**

PER CMS 623.04 AND 623.05, THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING MONUMENT ASSEMBLIES, SURVEY CORNERS AND SURVEY CONTROL PRIOR TO BEGINNING ANY WORK AND AFTER PROJECT COMPLETION (IF APPLICABLE). A PRE-INSPECTION REPORT IS TO BE SUBMITTED PRIOR TO COMMENCEMENT OF WORK AND POST-CONSTRUCTION REPORT SUBMITTED PRIOR TO OR IN CONJUNCTION WITH THE FINAL INSPECTION TO THE DISTRICT SURVEY OPERATIONS MANAGER. EXISTING MONUMENTATION SHALL BE PRESERVED AND PERPETUATED THROUGHOUT THE PROJECT.

THE DEPARTMENT'S STANDARDIZED VERIFICATION REPORT TEMPLATE CAN BE FOUND AT THE FOLLOWING LOCATION:  
[HTTPS://WWW.DOT.STATE.OH.US/DIVISIONS/CONSTRUCTIONMGMT/DOCUMENTS](https://www.dot.state.oh.us/divisions/constructionmgmt/documents)

ALL LABOR, MATERIAL, EQUIPMENT, AND INCIDENTALS NEEDED TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR ITEM 623 - CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN, ITEM 623 - PRECONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT, AND ITEM 623 - POST CONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT.

ANY MONUMENT ASSEMBLY THAT IS IMMEDIATELY VISIBLE ON THE SURFACE OF THE EXISTING PAVEMENT OR IS UNCOVERED DURING THE PLANNING PROCESS SHALL BE ADJUSTED TO GRADE OR, IF SUBSTANTIAL DETERIORATION IS DETERMINED BY THE ENGINEER, RECONSTRUCTED TO GRADE. THESE ADJUSTMENTS AND RECONSTRUCTIONS SHALL BE PAID FOR UNDER THE PERTINENT 623 PAY ITEMS.



**CLEARING AND GRUBBING**

REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS	TOTAL
< 6"	3	0	3

**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 SECTION 203.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS). NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF SECTION 203.05.

**GROUNDWATER REMEDIATION FOR EMBANKMENT BENCHING**

THE FOLLOWING QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER TO REMOVE ANY GROUNDWATER ENCOUNTERED AS A RESULT OF BENCHING OF THE EXISTING SLOPES.

ITEM 203 - GRANULAR EMBANKMENT	60 CY
ITEM 605 - 6" UNCLASSIFIED PIPE UNDERDRAINS	300 FT
ITEM 611 - 6" CONDUIT, TYPE F, FOR UNDERDRAIN OUTLETS	50 FT
ITEM 611 - PRECAST REINFORCED CONCRETE OUTLET	3 EACH

**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.

**ROADWAY**

**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, EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

CENTERLINE R/W & CONSTRUCTION REFERENCES AND BENCHMARKS - W.B.O.L.							
POINT	STATION	OFFSET (FT)	SIDE	US SURVEY FEET		ELEVATION	DESCRIPTION
				NORTHING	EASTING		
100	890+89.55	16.79	LT.	460554.8800	185168.7460	713.03'	IRON PIN SET
101	894+41.28	7.62	LT.	460310.4120	185420.0990	707.54'	IRON PIN SET
104	895+58.84	22.22	LT.	460247.6450	185520.0330	701.58'	MAG NAIL SET
105	896+77.54	7.93	LT.	460164.3300	185605.1280	703.99'	IRON PIN SET
107	897+75.32	133.14	LT.	460209.4060	185756.3360	662.58'	IRON PIN SET
106	899+87.31	9.34	LT.	459991.0880	185861.0130	699.39'	IRON PIN SET
108	901+06.59	145.69	LT.	460047.0980	186031.6450	668.73'	IRON PIN SET
102	901+92.30	8.85	LT.	459886.6080	186036.7960	696.63'	IRON PIN SET
103	905+01.12	7.55	LT.	459746.4510	186311.1640	693.98'	IRON PIN SET
202_1	902+86.26	709.14	LT.	460462.0300	186444.8450	658.97'	IRON PIN FOUND
201_1	902+44.13	542.59	LT.	460331.6160	186335.3870	660.49'	IRON PIN FOUND
200_1	902+09.99	548.59	LT.	460350.9370	186312.4610	660.97'	IRON PIN FOUND
205	902+48.77	415.95	LT.	460218.1780	186278.9510	668.91'	IRON PIN AND CAP FOUND
206	902+21.23	412.63	LT.	460226.9890	186255.7290	662.65'	MAG NAIL FOUND
204_1	914+27.24	689.92	RT.	458738.0620	186884.0160	742.06'	IRON PIN FOUND
203	911+94.43	184.79	LT.	459633.3480	187017.4120	720.39'	MONUMENT BOX FOUND

ODOT CUYAHOGA COUNTY LOW DISTORTION PROJECTION

DESIGN AGENCY



DESIGNER

JRS

REVIEWER

SHT 12/23/25

PROJECT ID

124096

SHEET

P.04

TOTAL

45

