

# STATE OF OHIO DEPARTMENT OF TRANSPORTATION

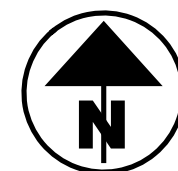
## LUC-120-11.32

### VILLAGE OF OTTAWA HILLS LUCAS COUNTY



**LOCATION MAP**

LATITUDE: 41° 40' 37" LONGITUDE: -83° 39' 38"



PORTION TO BE IMPROVED	-----
INTERSTATE HIGHWAY	=====
FEDERAL ROUTES	-----
STATE ROUTES	-----
COUNTY & TOWNSHIP ROADS	-----
OTHER ROADS	-----

**DESIGN DESIGNATION**

OPENING YEAR ADT (2024)	32,500
DESIGN YEAR ADT (2044)	37,500
DESIGN HOURLY VOLUME (2044)	4,500
DIRECTIONAL DISTRIBUTION	51%
TRUCKS (24 HOUR B&C)	11%
DESIGN SPEED	45 MPH
LEGAL SPEED	40 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
URBAN PRINCIPAL ARTERIAL	
NHS PROJECT	YES

**DESIGN EXCEPTIONS**

NONE REQUIRED

**ADA DESIGN WAIVER**

NONE REQUIRED

E-180(690)  
BEGIN PROJECT  
STA. 596+35.00

E-180(690)  
END PROJECT  
STA. 601+59.00

STRUCTURE NO.  
LUC-120-11.32

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**ENGINEER'S SEAL:**

Sheets 1 - 26

SIGNED: *Timothy Shoemaker*  
DATE: 5/11/22

**ENGINEER'S SEAL:**

Sheets 27-70

SIGNED: *Christopher M. Hay*  
DATE: 5/11/22

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS			
BP-3.1	1/17/20	RM-1.1	1/15/21	TC-52.10	10/18/13	SICD-2-14	07-18-14	800	7/15/22	WATERWAY PERMIT 12/9/21
BP-4.1	7/19/13			TC-52.20	1/15/21			832	10/19/18	ASBESTOS 11/11/19
BP-5.1	7/16/21	MT-95.31	7/19/19	TC-64.10	7/16/21	HL-20.11	01-15-21			
		MT-95.32	4/19/19	TC-65.11	7/21/17					
CB-3	7/16/21	MT-95.60	4/19/19	TC-71.10	7/16/21					
CB-3A	7/16/21	MT-97.10	4/19/19							
		MT-97.12	1/20/17	AS-1-15	07-17-15					
HW-2.2	7/20/18	MT-99.20	4/19/19	AS-2-15	01-18-19					
		MT-101.60	1/17/20							
MH-3	7/16/21	MT-105.10	1/17/20	BR-2-15	07-17-15					
DM-1.1	7/17/20	TC-21.21	7/16/21	GSD-1-19	01-18-19					
DM-1.2	7/16/21	TC-41.20	10/18/13							
DM-4.1	7/17/20	TC-41.30	10/18/13	PSID-1-13	07-20-18					
DM-4.3	1/15/16	TC-41.41	7/19/19							
DM-4.4	1/15/16	TC-42.20	10/18/13	SICD-1-96	07-18-14					

**FEDERAL PROJECT NUMBER**

E180 (690)

**RAILROAD INVOLVEMENT**

NONE

**PROJECT DESCRIPTION**

THIS PROJECT, TOTALING 0.10 MILES, INCLUDES THE REPLACEMENT OF THE EXISTING STRUCTURE OVER THE OTTAWA RIVER INCLUDING NEW SUBSTRUCTURE, SUPERSTRUCTURE, APPROACH SLABS, CURBS, DRAINAGE STRUCTURES, AND ROADWAY APPROACHES.

**EARTH DISTURBED AREAS**

PROJECT EARTH DISTURBED AREA:	0.80 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.25 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	1.05 ACRES

**2019 SPECIFICATIONS**

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

**TRAFFIC REROUTED FOR CLOSURE**

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEET 6.

**UNDERGROUND UTILITIES**

**Contact Two Working Days  
Before You Dig**

**OHIO811, 8-1-1, or 1-800-362-2764**  
(Non-members must be called directly)

PLAN PREPARED BY:

1382 WEST 9TH STREET  
SUITE 400  
CLEVELAND, OHIO 44113

APPROVED: *Pat Mulvey, P.E.*  
DATE: 5/12/2022 DISTRICT DEPUTY DIRECTOR

APPROVED: \_\_\_\_\_  
DATE: \_\_\_\_\_ DIRECTOR, DEPARTMENT OF TRANSPORTATION

DESIGN AGENCY	TRC
DESIGNER	KJM
REVIEWER	KGJ 10-24-19
PROJECT ID	102940
SHEET	P.1
TOTAL	85

LUC-120-11.32

MODEL: Sheet PAPER: 34x22 (in.) DATE: 5/10/2022 TIME: 4:20:52 PM USER: Choy  
pw:\\trc-pw\\bentley.com\\trc-pw-0\\Documents\\5 - Projects\\Ohio Department of Transportation (0001)\\312537 - LUC-120-11.32\_4.2\_CAD\_Design\\02940\_400-Engineering\\Roadway\\Sheets\\02940\_01001.dgn

TITLE SHEET



LUC-120-11.32

**GENERAL**

**ROUNDING**

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

**UTILITIES**

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

TELECOMMUNICATION: AT&T  
ROB FEY  
130 N. ERIE STREET, RM 714  
TOLEDO, OH 43604  
PHONE: (419) 245-5004

ELECTRIC:  
TOLEDO EDISON COMPANY  
RANDALL SWOPE  
6099 ANGOLA ROAD  
HOLLAND, OH 43528  
PHONE: (419) 249-5218

BUCKEYE BROADBAND  
MIKE SHEAHAN  
2700 OREGON ROAD  
NORTHWOOD, OH 43619  
PHONE: (419) 724-3713

WATER/SANITARY:  
LUCAS COUNTY SANITARY  
ENGINEER  
JAMES SHAW, PE  
1111 SOUTH MCCORD ROAD  
HOLLAND, OH 43528  
PHONE: (419) 213-2926

FRONTIER COMMUNICATIONS  
AMY ROTH  
3126 N. MCCORD ROAD  
TOLEDO, OH 43617  
PHONE: (419) 841-7281

GAS:  
COLUMBIA GAS OF OHIO  
JOHN SONCRANT  
2901 E. MANHATTAN BOULEVARD  
TOLEDO, OH 43611  
PHONE: (419) 539-6070

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

**EXISTING PLANS**

EXISTING PLANS ENTITLED LUC-20/VAR-10.35/VAR PART 1 (2017), LUC-120-11.32 (1968) & LUC-120-11.32 (1928) MAY BE INSPECTED IN THE ODOT DISTRICT 2 OFFICE IN BOWLING GREEN, OH.

**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 6:00 PM AND 8:00 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.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN A WAIVER FROM THE VILLAGE OF OTTAWA HILLS FOR ANY WORK OUTSIDE OF THESE HOURS.

**SURVEYING PARAMETERS**

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 2 OF THE PLANS 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

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88  
GEOID: 12A

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011)  
ELLIPSOID: GRS 80  
MAP PROJECTION: LAMBERT CONFORMAL CONIC  
COORDINATE SYSTEM: OHIO STATE PLANE NORTH ZONE  
COMBINED SCALE FACTOR: 1.0000000  
ORIGIN OF COORDINATE SYSTEM: (0.000,0.000)

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. USE THE FOLLOWING CONVERSION FACTOR: 1 METER = 3.280833333 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.

**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.

**CLEARING AND GRUBBING**

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY 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.

**MONUMENT ASSEMBLIES**

CONSTRUCT MONUMENT ASSEMBLIES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE STANDARD CONSTRUCTION DRAWINGS AND AT THE LOCATIONS SHOWN ON SHEET NO. 75.

**PROOF ROLLING**

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING.

ITEM 204 - PROOF ROLLING                      2 HOURS

**ENVIRONMENTAL COMMITMENTS**

ENSURE IMPACTS TO THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT ARE AVOIDED AND MINIMIZED. DO NOT REMOVE TREES FROM APRIL 1 THROUGH SEPTEMBER 30. PERFORM ALL NECESSARY TREE REMOVAL FROM OCTOBER 1 THROUGH MARCH 31. DEMARCAT CLEARING LIMITS IN THE FIELD TO AVOID ANY UNAUTHORIZED TREE CLEARING. FOR THE PURPOSE 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.

ODOT WILL ENSURE A STATE PERMITTED MALACOLOGIST COMPLETES A MUSSEL SALVAGE AND RELOCATION. THE MUSSEL SALVAGE AND RELOCATION MUST BE COMPLETE PRIOR TO ANY WORK BELOW ORDINARY HIGH WATER MARK OF THE OTTAWA RIVER.

THE WATERWAY PERMITS FOR THE PROJECT HAVE BEEN OBTAINED BY ODOT, ARE ATTACHED AS SPECIAL PROVISIONS, AND SHALL BE ADHERED TO THROUGHOUT CONSTRUCTION.

**WILDWOOD METROPARK PROTECTION COMMITMENTS**

INSTALL TEMPORARY CONSTRUCTION FENCING ALONG THE KNOWN BOUNDARIES OF THE WILDWOOD PRESERVE METROPARK WITHIN THE PROJECT CONSTRUCTION LIMITS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION FENCING THROUGHOUT CONSTRUCTION.

PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, INSTALL SIGNAGE APPROVED BY THE ENGINEER TO ALERT WILDWOOD PRESERVE METROPARK USERS OF CONSTRUCTION ACTIVITIES AND ACCESS RESTRICTIONS OR CLOSURES, AND TO DIRECT USERS TO SECONDARY ACCESS POINTS.

**WILDWOOD METROPARK PROTECTION COMMITMENTS (CONT.)**

PROVIDE THE CONSTRUCTION SCHEDULE TO ODOT'S PROJECT ENGINEER AND THE WILDWOOD PRESERVE METROPARK'S CHIEF OF PLANNING AND CAPITAL PROJECTS 30-DAYS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.

MAINTAIN SAFE PUBLIC ACCESS TO THE WILDWOOD PRESERVE METROPARK AT ALL TIMES DURING CONSTRUCTION ACTIVITIES VIA FLAGGING OPERATIONS, A DETOUR, OR BOTH AS APPROVED BY THE PROJECT ENGINEER.

**ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING**

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

1. SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.
2. EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE PROOF ROLLING. THE EXCAVATION LIMITS ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSUITABLE SUBGRADE. UNSUITABLE SUBGRADE INCLUDES UNSUITABLE SOIL (A-4B, A-2-5, A-5, A-7-5, AND SOIL WITH A LIQUID LIMIT GREATER THAN 65) AND ANY COAL, SHALE, OR ROCK WHICH NEEDS TO BE REMOVED ACCORDING TO SECTION 204.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS). IF THERE IS UNSUITABLE SUBGRADE IN A SHALLOW FILL LOCATION, EXCAVATE AND REPLACE THE UNSUITABLE SUBGRADE BEFORE CONSTRUCTING THE SHALLOW FILL AND SHAPING THE SUBGRADE.
3. COMPACT THE SUBGRADE ACCORDING TO C&MS 204.03.
4. APPROXIMATE LIMITS FOR EXCAVATION OF UNSTABLE SUBGRADE ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSTABLE SUBGRADE. THE ENGINEER WILL IDENTIFY THE ACTUAL LIMITS OF EXCAVATION FOR UNSTABLE SUBGRADE BASED ON THE PROOF ROLLING RESULTS AND VISUAL OBSERVATIONS. PROOF ROLL THE COMPACTED SUBGRADE ACCORDING TO C&MS 204.06.
5. EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO C&MS 204.07. EXCAVATIONS WILL EXTEND 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT, PAVED SHOULDERS, OR PAVED MEDIANS.
6. PROOF ROLL THE STABILIZED AREAS ACCORDING TO C&MS 204.06 TO VERIFY STABILITY.
7. FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER:

ITEM 204 - EXCAVATION OF SUBGRADE 669 CY  
ITEM 204 - 12" GRANULAR MATERIAL, TYPE C 1227 CY  
ITEM 204 - GEOTEXTILE FABRIC 1,847 SY

**LIGHTING**

**ITEM 625-35011 REMOVE AND RE-ERECT EXISTING LIGHT POLE, AS PER PLAN**

IN ADDITION TO THE REQUIREMENTS OF CMS 625 THE CONTRACTOR SHALL REMOVE THE DECORATIVE LIGHT POLES (#120-3) LOCATED AT STATION 598+80 AND (#121-1) LOCATED AT STATION 601+10 CAREFULLY, TO AVOID DAMAGING THE POLES OR FIXTURES. THE CONTRACTOR SHALL STORE THE POLE ON SITE IN A SAFE AND SECURE LOCATION UNTIL THE POLE CAN BE SAFELY RE-ERECTED.

LIGHT POLE #120-3 SHALL BE RE-ERECTED ON ITS EXISTING FOUNDATION.

LIGHT POLE #121-1 SHALL BE RE-ERECTED ON A PROPOSED FOUNDATION PER SCD HL-20.11 MODIFIED TO MATCH THE EXISTING ANCHOR BOLT SIZE AND PATTERN. UPON REMOVAL THE CONTRACTOR SHALL PULL ALL WIRE TO THE FOUNDATION OF LIGHT POLE #121-2 AND SECURE IT FOR SAFE STORAGE UNTIL THIS POLE IS RE-ERECTED. THE CONTRACTOR SHALL DOCUMENT THE EXISTING ANCHOR BOLT SIZE, MATERIAL AND EMBEDMENT AND REPLACE IN KIND.

THIS ITEM SHALL BE PAID FOR AS EACH, TO INCLUDE: REMOVAL, STORAGE & RE-ERECTION OF THE DECORATIVE LIGHT POLE, PULLING THE WIRING FOR STORAGE INTO THE FOUNDATION 121-2, DEMOLITION OF THE EXISTING FOUNDATION AT 121-1, CONSTRUCTION OF THE PROPOSED FOUNDATION AND ALL INCIDENTALS, FITTINGS, SPLICES NEEDED TO RE-ERECT THE POLE ON THE FOUNDATIONS AND DEMONSTRATE IT IS WORKING PROPERLY.

**EROSION CONTROL**

**SEEDING AND MULCHING**

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.

**SEEDING AND MULCHING (CONT.)**

659 - SEEDING AND MULCHING	1066 SY
659 - SOIL ANALYSIS TEST	2 EACH
659 - TOPSOIL	60 CY
(1066 SY) X (2 IN) X (1 YD / 36IN) = 60 CY	
659 - REPAIR SEEDING AND MULCHING	54 SY
(1066 SY) X (0.05) = 54 SY	
659 - INTER-SEEDING	54 SY
(1066 SY) X (0.05) = 54 SY	
659 - COMMERCIAL FERTILIZER	0.15 TON
(1066 SY) X (1 TON / 7410 SY) = 0.15 TON	
659 - LIME	0.22 ACRE
(1066 SY) X (1 ACRE/4840 SY) = 0.22 ACRE	
659 - WATER	3 MGAL
(1066 SY) X (0.0027 M. GAL. / SY) = 3 M. GAL	

THE CONTRACTOR SHALL SUBMIT THE CO-PERMITTEE PORTION OF THE NOTICE OF INTENT FOR THE PROJECT THROUGH THE OHIO EPA WEBSITE [HTTPS://EBIZ.EPA.OHIO.GOV/](https://ebiz.epa.ohio.gov/). UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) THE PROJECT IS CONSIDERED ROUTINE MAINTENANCE; HOWEVER BEING A BRIDGE REPLACEMENT PROJECT AND HAVING EARTH DISTURBANCE WITHIN 200 FEET OF A NAVIGABLE WATER OF THE UNITED STATES, A NOTICE OF INTENT IS REQUIRED.

**DRAINAGE**

**CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES**

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

**REVIEW OF DRAINAGE FACILITIES**

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE STATE.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

**ITEM SPECIAL- MISCELLANEOUS METAL**

EXISTING CASTINGS ARE NOT TO BE REUSED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CASTINGS OF THE REQUIRED TYPE, SIZE AND STRENGTH (HEAVY OR LIGHT DUTY) FOR THE PARTICULAR STRUCTURE IN QUESTION. EXISTING CASTINGS SHALL BE DISPOSED OF BY THE CONTRACTOR. ALL MATERIAL SHALL MEET ITEM 611 OF THE SPECIFICATIONS AND SHALL HAVE THE PRIOR APPROVAL OF THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

ITEM SPECIAL - MISCELLANEOUS METAL                      1000 LB

GENERAL NOTES

DESIGN AGENCY



DESIGNER

KJM

REVIEWER

KGJ 10-17-19

PROJECT ID

102940

SHEET TOTAL

P:5 85