OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

THE JAMES W. SHOCKNESSY OHIO TURNPIKE

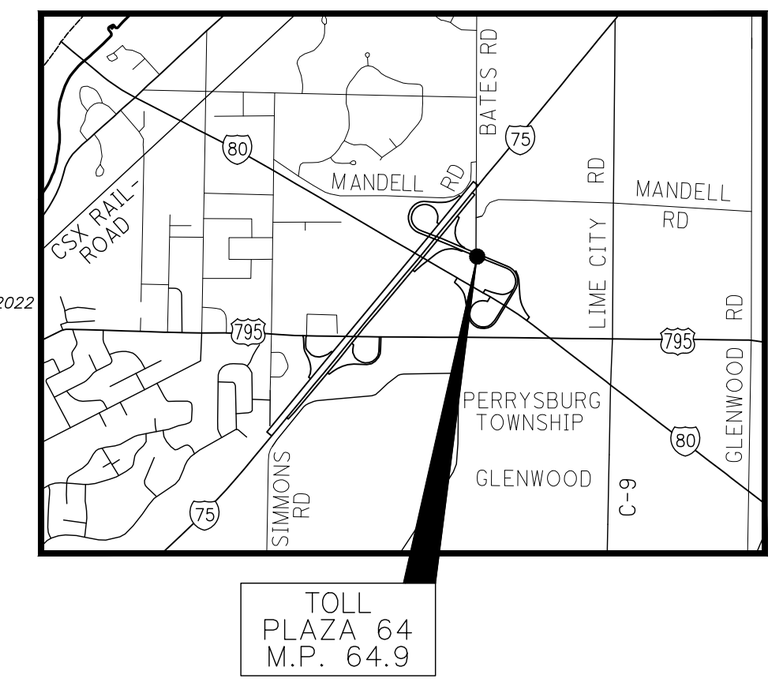
OHIO TURNPIKE AND INFRASTRUCTURE STANDARD DRAWINGS					
CB–1	12/31/19				
CB–2	10/20/17				
CJ–1	10/20/17				
CJ–2	10/20/17				
CL–1	1/15/20				
DR–1	10/20/17				
F–1	1/7/21				
TCR–1	1/7/21				
TCR–2	1/7/21				
TCR–9	1/7/21				
TCR–15	1/7/21				

OHIO DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS					
BP–1.1	7/28/00	MGS–1.1	7/16/21		
BP–2.1	7/17/15	MGS–2.1	1/19/18		
BP–2.2	1/15/21	MGS–4.2	7/19/13		
BP–2.5	7/19/13				
		MT–98.28	1/17/20	MT–105.10	1/17/2020
CB–2.3	7/16/21	MT–101.75	1/17/20	MT–101.70	1/17/2020
		MT–101.90	7/17/20		
DM–1.1	7/17/20				
DM–1.2	7/16/21	TC–15.116	7/16/21		
DM–4.3	1/15/16	TC–21.11	7/16/21		
DM–4.4	1/15/16	TC–22.10	4/17/20		
		TC–22.20	1/17/14		
HL–10.11	1/15/21	TC–42.20	10/18/13		
HL–10.12	1/20/17	TC–52.10	10/18/13		
HL–10.13	4/17/20	TC–52.20	1/15/21		
HL–20.11	1/15/21				
HL–20.21	1/15/21			SUPPLEMENTAL SPECIFICATIONS	
HL–30.11	1/15/21				
HL–30.21	4/17/20				
HL–50.21	1/15/21			800	7/16/21
HL–60.11	7/21/17			804	7/16/21
				809	7/16/21
				821	4/20/12
				832	10/19/18
				904	1/15/21
				909	7/16/21
				921	4/20/12

1 2/7/2022

PROJECT NO. 58–22–02
TOLL PLAZA 64
EXPANSION

MILEPOST 64.9
WOOD COUNTY, OHIO



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APPROVED FOR
THE OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION BY

CHIEF ENGINEER

DATE

2/25/2022 2

ENGINEERS SEAL:
CIVIL DESIGN EXCLUDING SHEETS G–5, G–7, AND C–23 TO C–25
STATE OF OHIO DANIEL R. JOZITY E–69898 REGISTERED PROFESSIONAL ENGINEER
SIGNED:
DATE: 12/10/21

ENGINEERS SEAL:
CIVIL DESIGN SHEETS G–5, G–7, AND C–23 TO C–25
STATE OF OHIO PHILIP S. BERDIS E–62291 REGISTERED PROFESSIONAL ENGINEER
SIGNED:
DATE: 2/25/22

ENGINEERS SEAL:
ELECTRICAL DESIGN
STATE OF OHIO DAVID R. GERDEMAN No. E–69922 REGISTERED PROFESSIONAL ENGINEER
SIGNED:
DATE: 12/9/21

ENGINEERS SEAL:
MECHANICAL DESIGN
STATE OF OHIO ANDREW R. TUTTLE PE.82881 REGISTERED PROFESSIONAL ENGINEER
SIGNED:
DATE: 12/9/21

ARCHITECTS SEAL:
ARCHITECTURAL DESIGN
STATE OF OHIO DAVID L. SABLOTNY 10849 REGISTERED ARCHITECT
David L. Sablotny, License #10849
Expiration Date: 12/31/2021
SIGNED:
DATE: 12/9/21

ENGINEERS SEAL:
STRUCTURAL DESIGN
STATE OF OHIO MICHAEL DAVID BUCEK E–75889 REGISTERED PROFESSIONAL ENGINEER
SIGNED:
DATE: 12/9/21

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OHIO OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE CALL: 614-715-2984

OTIC DIVISION TRADES SUPERVISOR:
440-971-2731 - WEST (M.P. 0.0 - M.P. 126.4)
440-971-2781 - EAST (M.P. 126.4 - M.P. 241.26)

DESIGN CONTRACT: 71–19–07

PLAN PREPARED BY:

ARCADIS
1111 Superior Ave. Ste.1300
Cleveland, Ohio 44114
(216) 937-2120

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	MAH	2/22
2	ADDENDUM NO. 4	MAH	2/22

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GENERAL NOTES

CONSTRUCTION SPECIFICATIONS
THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS SPECIFICATIONS, DATED JANUARY 1, 2019, WITH LATEST REVISIONS AND THE OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION (OTIC) SPECIAL PROVISIONS CONTAINED IN THE CONTRACT DOCUMENTS SHALL GOVERN THIS PROJECT.

ODOT ITEM REFERENCES
ALL REFERENCES TO ODOT ITEMS REFER TO THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS SPECIFICATIONS, 2019 EDITION. ALL SPECIFICATIONS NOTED IN THESE PLANS SHALL REFER TO THE ODOT CMS UNLESS NOTED OTHERWISE OR THE SPECIFICATION IS PREFIXED BY 'SP' WHICH SHALL REFER TO OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION SPECIAL PROVISIONS.

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

COOPERATION BETWEEN CONTRACTORS
THE CONTRACTOR SHALL COOPERATE AND COORDINATE THEIR OPERATION AND SCHEDULE WITH CONTRACTORS/INTEGRATORS ON OTHER PROJECTS THAT MAY BE IN FORCE DURING THE LIFE OF THE CONTRACT. THE COORDINATION WILL INCLUDE, BUT IS NOT LIMITED TO, WORKING SIDE BY SIDE, ADJUSTING SCHEDULE, WORKING IN SAME LANE, AND ADJUSTING WORK TIMES. THE CONTRACTOR SHALL COORDINATE WITH THE TOLL COLLECTION SYSTEM (TCS) INTEGRATOR FOR ALL TCS WORK. NO WAIVER OF ANY PROVISIONS OF SP 107 IS INTENDED.

ORIGINAL CONSTRUCTION PLANS
THE ORIGINAL CONSTRUCTION PLANS, SHOWING THE ORIGINAL ALIGNMENT, PROFILE, AND DETAILS OF THE TOLL PLAZA ARE AVAILABLE ON BID EXPRESS, WITH THE OTHER CONTRACT DOCUMENTS.

CONTINGENCY QUANTITIES
THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE CHIEF ENGINEER" UNLESS AUTHORIZED BY THE CHIEF ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE GOVERNING COMPLETION OF THIS PROJECT.

ROUNDING
THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTION APPLY TO ALL CROSS-SECTIONS UNLESS OTHERWISE SHOWN.

ELEVATION DATUM
ALL HORIZONTAL COORDINATES AND BEARINGS AS SHOWN ARE STATE PLANE GRID BASED ON THE OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE, AND REFERENCE THE NORTH AMERICAN DATUM OF 1983 AND THE 2011 ADJUSTMENT (NAD 83(2011)).

ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). THE CONTRACTORS SHALL VERIFY ALL HORIZONTAL STATIONS AND OFFSETS AND ALL VERTICAL ELEVATIONS OF PROPOSED WORK PRIOR TO THE START OF CONSTRUCTION.

CONSTRUCTION STAGING AREA
THE CUL-DE-SAC OF BATES ROAD NORTH OF THE TOLL PLAZA IS AVAILABLE FOR A CONTRACTOR STAGING AREA. THE CONTRACTOR SHALL SUPPLY ELECTRIC TO THE TRAILER AND SHALL BE INCLUDED IN THE PRICE OF THE PROJECT.

THE STAGING AREA SHALL BE MAINTAINED BY THE CONTRACTOR AND RESTORED TO ITS ORIGINAL CONDITION AND APPROVED BY THE CHIEF ENGINEER PRIOR TO COMPLETION OF ALL WORK.

ITEM 503 - COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN

GENERAL PROVISIONS: THE INTENT OF THIS PAY ITEM IS TO DESIGN, FURNISH AND INSTALL ONE OF THE TWO ALTERNATIVES BELOW TO ENABLE CONSTRUCTION OF THE PROPOSED WIDENED PLAZA AREA UNDER DRY CONDITIONS. THIS ITEM INCLUDES TEMPORARILY DEWATERING PORTIONS OF OR THE ENTIRE POND FOR CONSTRUCTION OF THE PROPOSED EMBANKMENT. THE CONTRACTOR SHALL ALSO COMPLETE A POND SURVEY TO VERIFY POND BOTTOM ELEVATIONS, DEPTH OF UNSUITABLE MATERIAL AT THE BOTTOM OF THE POND AND VERIFY THE INTENT OF THE DESIGN PRIOR TO FABRICATION AND INSTALLATION OF ANY MATERIALS. THE CONTRACTOR SHALL SUBMIT A DETAILED DESIGN AND CONSTRUCTION PLAN, STAMPED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF OHIO TO THE CHIEF ENGINEER FOR APPROVAL OF THE PROPOSED WIDENING APPROACH INCLUDING STRUCTURAL ANALYSIS, ALTERNATIVE STRUCTURAL DETAILS, POND MANAGEMENT APPROACH, AND DEWATERING TECHNIQUES.

ALTERNATIVE NO. 1: CONSTRUCT A TEMPORARY SHEETING SUPPORT SYSTEM NEAR THE TOE OF THE PROPOSED EMBANKMENT SLOPE AND DEWATER THE POND TO ITS BOTTOM BEHIND THE SHEETING TO THE EXISTING EMBANKMENT. THE TEMPORARY SHEETING AND DEWATERING EFFORTS WILL FACILITATE EXCAVATION AND REMOVAL OF UNSUITABLE MATERIAL FROM THE BASE AND TOE OF SLOPE AND CONSTRUCTION OF THE EMBANKMENT WIDENING UNDER DRY CONDITIONS. ONCE THE EMBANKMENT AND RIPRAP LINING IS CONSTRUCTED AND APPROVED BY THE CHIEF ENGINEER, THE CONTRACTOR SHALL REMOVE THE TEMPORARY SUPPORT SYSTEM DOWN TO THE TOE OF SLOPE ELEVATION AND ABANDON THE REMAINING SUPPORT SYSTEM IN PLACE.

ALTERNATIVE NO. 2: CONSTRUCT A PERMANENT WALL TO SUPPORT THE WIDENED PAVEMENT AREA. THIS ALTERNATE MAY REQUIRE LOWERING THE WATER ELEVATION OF THE ENTIRE POND TO FACILITATE CONSTRUCTION BASED ON THE PROPOSED WALL TYPE AND CONTRACTOR MEANS AND METHODS. EMBANKMENT REQUIRED TO BACKFILL BEHIND THE PROPOSED WALL SHALL BE INSTALLED UNDER DRY CONDITIONS. RIPRAP SHALL BE PLACED TO THE TOP OF THE PROPOSED PERMANENT WALL.

POND DEWATERING PLAN
THE CONTRACTOR'S PLAN TO DEWATER OR LOWER THE WATER ELEVATION OF THE POND SHALL CONFORM TO ALL STATE REGULATIONS AND APPLICABLE COMMISSION STANDARDS. ENVIRONMENTAL INVESTIGATIONS PERFORMED TO DATE HAVE DETERMINED THE POND IS NON-REGULATED AND NOT UNDER THE JURISDICTION OF THE US ARMY CORPS OF ENGINEERS (USACE). SEE THE CONTRACT SPECIFICATIONS FOR THE TRC WETLAND AND WATERBODY REPORT DATED JUNE 14, 2019.

THE CONTRACTOR SHALL DEVELOP AND SUBMIT A POND DEWATERING PLAN FOR APPROVAL BY THE CHIEF ENGINEER PRIOR TO ANY POND RELATED FIELD ACTIVITIES . THE DEWATERING PLAN SHALL INCLUDE FLOW RATE, OUTLET ELEVATIONS, PUMPING TIME FRAMES, AND NUMBER OF DAYS PLANNED TO DEWATER OR DRAIN THE POND. IT IS ANTICIPATED THAT THE PATH OF WATER SHALL BE FROM THE POND TO THE TURNPIKE ROADSIDE DITCH ON THE NORTHERN SIDE OF THE WESTBOUND LANES. THIS DITCH ULTIMATELY OUTLETS INTO GRASSY CREEK. THE MAXIMUM FLOW RATE INTO THE DITCH SHALL BE 12,500 GPM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE ELECTRICAL POWER TO THE PUMPS AND SHALL PLAN FOR ANY ADDITIONAL INFLOWS TO THE POND THAT MAY AFFECT THE POND WATER ELEVATION DURING THE DEWATERING PHASE. THE CONTRACTOR SHALL PLAN THE INITIAL DRAINING OF THE POND DURING A DRY PERIOD WITH MINIMAL RAIN IN THE FORECAST. IT SHALL ALSO INCLUDE A WORKING DRAWING FOR ALL COFFERDAMS AND BRACING FOR EXCAVATION AND ALL THE REQUIREMENTS OUTLINED IN THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATION ITEM 503.

PAYMENT: THE COMMISSION WILL PAY FOR THE DESIGN, FURNISHING, AND INSTALLATION OF THE SELECTED ALTERNATIVE AT THE CONTRACT LUMP SUM PRICE FOR ITEM 503 COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN. THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, INCIDENTALS, AND STAMPED ENGINEERED DESIGN TO COMPLETE THE EMBANKMENT AND WIDENING CONSTRUCTION UNLESS QUANTIFIED ELSEWHERE IN THE PLANS.

PAYMENT FOR REGRADING OF THE EXISTING DITCH TO ENABLE POSITIVE DRAINAGE FLOW TO THE PARALLEL DRAINAGE SWALE ALONG THE TURNPIKE MAINLINE WILL BE PAID FOR UNDER ITEM 209 DITCH CLEANOUT, AS PER PLAN.

PAYMENT FOR RIPRAP SHALL BE PAID FOR AS SPECIFIED IN ITEM 601 RIPRAP, AS PER PLAN.

ITEM 619 - FIELD OFFICE, AS PER PLAN
THE FIELD OFFICE PROVIDED SHALL MEET THE REQUIREMENTS OF ITEM 619, TYPE B FIELD OFFICE WITH THE FOLLOWING EXCEPTION(S):

THE FIELD OFFICE WILL BE PAID AT THE CONTRACT LUMP SUM PRICE BID, WHICH SHALL BE FULL COMPENSATION FOR FURNISHING AND MAINTAINING FACILITIES, ALL UTILITIES, HEAT, ELECTRIC, TELEPHONES, INTERNET, WEEKLY CLEANING AND REMOVAL OF FACILITIES UPON COMPLETION OF THE CONTRACT.

TOLL COLLECTION SYSTEM (TCS)

1. THE TCS INTEGRATOR SHALL FURNISH, INSTALL, AND ADJUST ALL TOLL COLLECTION SYSTEM MOUNTED EQUIPMENT MOUNTED TO THE STRUCTURES SHOWN IN THE PLANS.
   A. CONTRACTOR - CONTRACTOR SHALL PERFORM WORK ON THE PLAZA OR ROADWAY AND IS RESPONSIBLE FOR ALL PERMANENT CONSTRUCTION SUCH AS ROUTING CONDUIT, PULLING WIRE, TRENCHING, POWER INFRASTRUCTURE, LANE WIDENING WORK, AND CONCRETE DEMOLITION AND PLACEMENT.
   B. TCS INTEGRATOR - TCS INTEGRATOR IS A THIRD PARTY HIRED BY THE COMMISSION THAT SHALL BE RESPONSIBLE FOR CONSTRUCTION OF THE TOLL COLLECTION SYSTEM INCLUDING SUBCONTRACTORS, RESPONSIBLE FOR TESTING AND ACCEPTING WIRE, MOUNTING SENSORS, INSTALLING ELECTRONICS, CONNECTIVITY, TERMINATIONS AND SYSTEM TURNOVER. THE CONTRACTOR IS NOT RESPONSIBLE FOR WORK THAT IS PERFORMED BY OR DAMAGED BY THE TCS INTEGRATOR.

1 2/25/2022

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 4	MAH	2/22
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-	-	-	-

DESIGNED MJB | CHECKED DRJ
DRAWN MJB | IN CHARGE DRJ

DESIGN AGENCY
ARCADIS
1111 Superior Ave. Ste. 1300
Cleveland, Ohio 44114
(216) 937-2120

OHIO TURNPIKE

GENERAL NOTES 1 OF 4
TOLL PLAZA 64
M.P. 64.9
WOOD COUNTY

PROJECT 58-22-02
DATE: 10/20/21

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OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

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DRAINAGE NOTES

1 2/25/2022

ITEM 601 – RIPRAP, AS PER PLAN
THE CONTRACTOR SHALL PLACE RIPRAP MATERIAL ON THE SPECIFIED FILTER FABRIC PER 712.09 TYPE D TO PROTECT THE WIDENED EMBANKMENT FROM POND WATER EROSION. A THICKNESS OF 12 INCHES IS REQUIRED AND SHALL BE INSTALLED PER 601.04.A.

RIPRAP LIMITS: THE CONTRACTOR SHALL PLACE RIPRAP FROM 4 FEET ABOVE THE NORMAL WATER ELEVATION TO APPROXIMATELY 12 FOOT BELOW THE NORMAL WATER ELEVATION ALONG THE EMBANKMENT SLOPE. THE LATERAL LIMITS SHALL EXTEND A MINIMUM OF 3 FEET BEYOND THE OUTER EDGES OF DISTURBED AREAS AS SHOWN ON THE PLANS.

THE FOLLOWING QUANTITY IS INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM SP 680 SITEWORK/GENERAL TRADES/ROADWAY:

ITEM 601 RIPRAP, AS PER PLAN 1,500 SQ. YD.

CONTINENCY QUANTITY: THE AMOUNT OF RIPRAP NEEDED WILL VARY BASED UPON THE ALTERNATIVE SELECTED BY THE CONTRACTOR AND APPROVED BY THE CHIEF ENGINEER TO CONSTRUCT THE WIDENED EMBANKMENT UNDER ITEM 503 COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN.

IN THE CASE OF ALTERNATIVE NO. 1, THE RIP RAP LIMITS SHALL EXTEND FROM AN ELEVATION ON THE WIDENED EMBANKMENT SLOPE TWELVE FOOT BELOW THE NORMAL WATER ELEVATION TO THE TOE OF THE EMBANKMENT SLOPE.

THE FOLLOWING CONTINGENCY QUANTITY SHALL BE FURNISHED AND INSTALLED AS DIRECTED BY THE CHIEF ENGINEER. THE CONTRACTOR SHALL NOT ORDER MATERIALS UNTIL APPROVAL IS GIVEN BY THE CHIEF ENGINEER. PAYMENT SHALL BE PER ITEM 601 RIPRAP, AS PER PLAN AND INCLUDE ALL FILTER FABRIC, EXCAVATION AND GRADING, FURNISHING, AND INSTALLATION OF THE RIPRAP.

ITEM 601 – RIPRAP, AS PER PLAN 2,550 SQ. YD.

ITEM SP 605 – 6" SHALLOW PIPE UNDERDRAIN WITH FABRIC WRAP, AS PER PLAN

THE FABRIC WRAP SHALL BE UNWOVEN , 712.09, TYPE A

THE COST OF THESE ADJUSTMENTS AND THE UNDERDRAIN SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR THE PERTINENT ITEM SP 680 SITEWORK/GENERAL TRADES/ROADWAY.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE COMMISSION, REPRESENTATIVES OF THE COMMISSION AND CONTRACTOR 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 APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE COMMISSION. ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE COMMISSION. 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 CHIEF ENGINEER.

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 CHIEF 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 CHIEF 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.

CONDUIT END TREATMENT

IMMEDIATELY AFTER PLACEMENT OF ANY CONDUITS, THE CONTRACTOR SHALL CONSTRUCT THE END TREATMENTS REQUIRED BY THE PLANS AT BOTH THE OUTLET AND INLET ENDS. THIS SHALL INCLUDE HEADWALL, CONCRETE RIPRAP, ROCK CHANNEL PROTECTION, SODDING, ETC.

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 QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE AS DIRECTED BY THE CHIEF ENGINEER:

ITEM 601 – TIED CONCRETE BLOCK MAT, TYPE 1	5 SQ. YD.
ITEM SP 605 – AGGREGATE DRAINS	50 FT.
ITEM 611 – 6" CONDUIT, TYPE F	50 FT.
ITEM 611 – PRECAST REINFORCED CONCRETE OUTLET	4 EACH
ITEM SP 605 – 6" UNCLASSIFIED PIPE UNDERDRAINS	50 FT.

CATCH BASIN NO. 6, AS PER PLAN

CONSTRUCT STANDARD NO. 6 CATCH BASINS USING 8" CAST IN PLACE WALLS OR PRE–CAST NO. 6 CATCH BASINS. BACKFILL, FOR CATCH BASINS WITHIN PAVEMENT LIMITS, SHALL BE LSM TYPE III LOW STRENGTH MORTAR BACKFILL MATERIAL. THE LOW STRENGTH MORTAR BACKFILL MATERIAL SHALL BE PLACED TO THE TOP OF THE SUBGRADE. ALL CASTINGS SHALL BE SPECIAL ORDERED AS BOLT–ON TYPE.

EROSION CONTROL NOTES

SEEDING AND MULCHING

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT–OF–WAY LINES. ALL AREAS WITH SLOPE STEEPER THAN 3:1 SHALL BE SEEDED WITH CROWN VETCH. PAYMENT FOR RESTORATION SHALL BE INCLUDED IN THE CONTRACT BID PRICE(S) FOR THE APPROPRIATE SP 680 ITEM(S).

ITEM 653 – TOPSOIL FURNISHED AND PLACED

THE CONTRACTOR IS EXPECTED TO REMOVE AND STOCKPILE THE EXISTING TOPSOIL AS PART OF HIS/HER EARTHWORK OPERATIONS AND TO REPLACE THIS TOPSOIL AS PER 659.11. IF IT IS DETERMINED THAT THERE IS INSUFFICIENT TOPSOIL ON SITE, TOPSOIL SHALL BE FURNISHED AND PLACED IN ACCORDANCE WITH ITEM 653, AS DIRECTED BY THE CHIEF ENGINEER. THE CONTRACTOR SHALL FOLLOW 659.05 AND PERFORM A MINIMUM OF TWO SOIL ANALYSIS TESTS OF THE SITE.

THE FOLLOWING QUANTITIES SHALL BE USED AS DIRECTED BY THE CHIEF ENGINEER AND HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 653 – TOPSOIL FURNISHED AND PLACED 100 CU. YD.

EROSION SLOPE RESTORATION

THE CONTRACTOR SHALL GRADE AND SEED ANY SHOULDERS/SLOPE AREAS DISTURBED BY HIS/HER OPERATIONS AT HIS EXPENSE.

GRADING

THE CONTRACTOR SHALL COMPLETE THE SITE GRADING WORK IN ACCORDANCE WITH THE TOLL PLAZA GRADING AND DRAINAGE PLAN AND IN ACCORDANCE WITH THE REQUIREMENTS OF ITEM 203. EXCAVATED MATERIALS NOT USED IN THE SITE GRADING SHALL BE DISPOSED OF BY THE CONTRACTOR OUTSIDE THE COMMISSION RIGHT OF WAY PER SP 105.

POND DRAINING

THE FOLLOWING QUANTITIES SHALL BE USED AS DIRECTED BY THE CHIEF ENGINEER AND HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR EROSION PROTECTION DURING THE POND DRAINAGE AND RESTORATION OF THE DITCH WHEN COMPLETE.

ITEM 670 – DITCH EROSION PROTECTION MAT, TYPE A	465 SQ. YD.
ITEM 601 – ROCK CHANNEL PROTECTION, TYPE C	15 CU. YD.
ITEM 659 – SEEDING AND MULCHING, CLASS 2	4,500 SQ. YD.

EROSION CONTROL

EROSION CONTROL ITEMS SHALL BE IN ACCORDANCE WITH SHEETS C–15 TO C–21. THESE ITEMS SHALL NOT BE REMOVED IN ORDER TO PLACE THIS ITEM. THE CHIEF ENGINEER SHALL CHECK AND NON–PERFORM QUANTITIES OR ADJUST LOCATIONS AND QUANTITIES OF THESE ITEMS WHERE INDICATED BY FIELD CONDITIONS DURING CONSTRUCTION. IN ADDITION, THIS ITEM SHALL MEET THE REQUIREMENTS OF 108.04.

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

ITEM 207 – SEDIMENT BASINS AND DAMS	5 CU. YD.
ITEM 690 – PERIMETER FILTER FABRIC FENCE	350 FT.
ITEM 690 – COMPOSITE FILTER SOCK FOR PERIMETER CONTROL	150 FT.

ITEM 207–PERIMETER FILTER FABRIC FENCE

FILTER FABRIC FENCE SHALL MEET THE REQUIREMENTS OF ITEM 207 AND CONFORM TO 712.09 TYPE C.

THE BOTTOM OF THE FENCE SHALL BE BURIED 6" BELOW THE GROUND. THE FENCE SHALL BE HIGH ENOUGH TO RETAIN SEDIMENT LADEN WATER AND ADEQUATELY SUPPORTED TO PREVENT COLLAPSE OR BURSTING. THE GROUND ELEVATION OF THE FENCE SHALL BE HELD CONSTANT EXCEPT THAT THE END ELEVATION SHALL BE RAISED TO PREVENT FLOW AROUND THE END OF THE FENCE.

THE FILTER FABRIC FENCE SHALL, IN ACCORDANCE WITH PLANS AND AT THE DIRECTION OF THE CHIEF ENGINEER, BE MAINTAINED TO BE FUNCTIONAL. THIS SHALL INCLUDE REMOVAL OF TRAPPED SEDIMENT AND REQUIRED CLEANING, REPAIR, AND/OR REPLACEMENT OF THE FILTER FABRIC.

THE COST OF ALL MATERIAL, CONSTRUCTION, MAINTENANCE, AND REMOVAL REQUIRED SHALL BE PAID FOR THE PERTINENT LUMP SUM BID PRICE PER ITEM SP 680.

TEMPORARY SOIL EROSION AND SEDIMENT CONTROL

TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE COMPLETED AS PER THE CIVIL DRAWINGS AND AS DIRECTED BY THE CHIEF ENGINEER. PAYMENT FOR THESE MEASURES SHALL BE INCLUDED IN THE PERTINENT LUMP SUM PRICE BID FOR ITEM SP 680 AND SP 113.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER AND CALCIUM CHLORIDE FOR DUST CONTROL AS DIRECTED BY THE CHIEF ENGINEER. THE ITEMS SHALL BE INCLUDED IN THE PERTINENT PRICE BID PER LUMP SUM FOR ITEM(S) SP 113.

ITEM 209, DITCH CLEANOUT, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF 209, THE DITCH CLEANOUT SHALL REGRADE THE DITCH FROM THE POND TO THE ROADSIDE DITCH AND THE ROADSIDE DITCH ALONG THE WESTBOUND MAINLINE LANES TO THE OUTLET TO GRASSY CREEK AS SHOWN ON SHEET C–22 TO PROVIDE POSITIVE DRAINAGE IN THE DITCH.

THE FOLLOWING QUANTITIES SHALL BE USED AS DIRECTED BY THE CHIEF ENGINEER AND HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 209 – DITCH CLEANOUT, AS PER PLAN 1320 FT.

DESIGN AGENCY: ARCADIS, 1111 Superior Ave. Ste. 1300, Cleveland, Ohio 44114, (216) 937-2120

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 4	MAH	2/22
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DESIGNED MJB | CHECKED DRJ
DRAWN MJB | IN CHARGE DRJ

GENERAL NOTES 3 OF 4
TOLL PLAZA 64
WOOD COUNTY
M.P. 64.9

PROJECT 58–22–02
DATE: 10/20/21

G–7

7/111

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

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