

PAVEMENT RESTORATION FOR DRAINAGE STRUCTURE INSTALLATIONS

THE FOLLOWING QUANTITIES HAVE BEEN PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION OF ITEM 611, DRAINAGE STRUCTURES.

ITEM 301 - 9" ASPHALT CONCRETE BASE, PG64-22, (449) (2-4.5" LIFTS)	5 CU. YDS.
ITEM 407 - NON-TRACKING TACK COAT	4 GAL.
ITEM 441 - 3" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 (2-1.5" LIFTS)	2 CU. YDS.

THE ABOVE QUANTITIES ARE BASED ON A WIDTH OF TWO FEET AROUND THE PERIMETER OF THE DRAINAGE STRUCTURE.

PROVIDE ANY MATERIALS USED OUTSIDE THE LIMITS STATED ABOVE AT NO ADDITIONAL COST.

PAVEMENT RESTORATION FOR PIPE INSTALLATIONS AND/OR REMOVALS

THE FOLLOWING QUANTITIES HAVE BEEN PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION AND/OR REMOVAL OF THE STORM CROSSING AT APPROXIMATE STATION 56+83. FOR TRENCH DETAIL, SEE CITY OF NEWARK STANDARD CONSTRUCTION DRAWING 900-5 UPDATED 7/18/18.

ITEM 301 - 9" ASPHALT CONCRETE BASE, PG64-22, (449) (2-4.5" LIFTS)	26 CU. YDS.
ITEM 407 - NON-TRACKING TACK COAT	17 GAL.
ITEM 441 - 3" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 (2-1.5" LIFTS)	9 CU. YDS.

ITEM 611 - CONDUIT TYPE B & C, AS PER PLAN

ALL CONDUITS PAID FOR UNDER THIS ITEM SHALL BE CONSIDERED AND BID AS AN "AS PER PLAN" ITEM. SEE NOTE BELOW.

TYPE B & C CONDUITS SHALL CONFORM TO ITEM 611 OF THE FOLLOWING MATERIALS ONLY:

- 706.02 REINFORCED CONCRETE CIRCULAR PIPE
- 707.65 POLYPROPYLENE CORRUGATED DOUBLE WALL PIPE
- 707.69 POLYPROPYLENE TRIPLE WALL PIPE
- 707.75 GLASS-FIBER REINFORCED POLYMER MORTAR PIPE

THE BACKFILL SHALL CONFORM TO NEWARK STANDARD DRAWING 900-5. THE FOLLOWING QUANTITIES HAVE BEEN PROVIDED FOR BIDDING PURPOSES ONLY.

ITEM 304 - 30" AGGREGATE BASE	76 CU. YDS.
ITEM SPECIAL - AGGREGATE BASE (NO. 57 STONE) (ESTIMATED DEPTH = 48")	122 CU. YDS.

THE ABOVE QUANTITIES ARE BASED ON A PAVEMENT RESTORATION TWO FEET AROUND THE PERIMETER OF THE DRAINAGE STRUCTURE AND A LENGTH OF 140 FEET AND WIDTH OF 4.5 FEET.

PROVIDE ANY MATERIALS USED OUTSIDE THE LIMITS STATED ABOVE AT NO ADDITIONAL COST.

ITEM 638 - VALVE BOX ADJUSTED TO GRADE

FOR WATER VALVE ADJUSTED TO GRADE, SEE CITY OF NEWARK STANDARD CONSTRUCTION DRAWINGS 800-7 UPDATED 7/18/18.

BACKGROUND

REGULATED MATERIALS REVIEW (RMR) STUDIES DISCOVERED REGULATED MATERIAL (RM) AT PROPERTY RM-001 CONSISTING OF FILL SOILS WITHIN THE CONSTRUCTION LIMITS AT THE NORTHEASTERN CORNER OF WEST CHURCH STREET BRIDGE WITHIN A MOWED GRASS AREA, JUST NORTH OF THE SIDEWALK, LICKING COUNTY PARCEL NO. 054-246708-00.000 (RM-001). ACCORDING TO THE ROW PLANS, THE RM IS FROM APPROXIMATELY STA 59+50.00 AND 59+75.00. THE SOIL IS ANTICIPATED TO BE NON-HAZARDOUS, BUT IS CONSIDERED AN RM (SOLID WASTE) BASED ON THE ANALYTICAL TESTING CONDUCTED DURING THE SUBSURFACE INVESTIGATION.

MATERIAL SAMPLING AND CHARACTERIZATION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING EXCAVATED MATERIALS BETWEEN THE AFOREMENTIONED LIMITS BACK INTO THE ORIGINAL EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE APPROPRIATE WASTE CHARACTERIZATION REQUIRED BY THE DISPOSAL/LANDFILL AND ARRANGING TRANSPORTATION OF THE EXCAVATED MATERIAL NOT SUITABLE FOR REUSE ON THE PROJECT TO A LICENSED AND PERMITTED DISPOSAL FACILITY. THE EXCAVATED MATERIALS ARE CLASSIFIED AS:

ITEM SPECIAL - WORK INVOLVING NON-REGULATED WASTE

WORK INVOLVED WITH THIS ITEM SPECIAL INCLUDES HANDLING, STORAGE, TESTING, AND DISPOSAL.

ITEM SPECIAL - WORK INVOLVING SOLID WASTE

WORK INVOLVED WITH THIS ITEM SPECIAL INCLUDES HANDLING, STORAGE, TESTING, AND DISPOSAL.

MATERIAL HANDLING AND DISPOSAL

ALL SOLID WASTE EXCAVATED BY THE CONTRACTOR BETWEEN THE AFOREMENTIONED LIMITS THAT CANNOT BE REUSED ONSITE MAY BE DIRECT LOADED INTO TRUCKS FOR DISPOSAL PROVIDED THE CONTRACTOR HAS COMPLETED TESTING AND OBTAINED APPROVAL FROM THE LICENSED AND PERMITTED DISPOSAL FACILITY. AS APPROVED BY THE PROJECT ENGINEER, EXCAVATED RM MAY BE TEMPORARILY STORED ON SITE UPON AN IMPERMEABLE MEMBRANE, SURROUNDING BY BALES OF STRAW TO PREVENT CONTACT WITH SITE MATERIALS, AND COVERED WITH AN IMPERMEABLE MEMBRANE TO PREVENT CONTACT WITH PRECIPITATION AND/OR SURFACE RUN-OFF.

ALL TRANSPORT VEHICLES USED FOR THE MOVEMENT OF RM SHALL MEET APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. THE CONTRACTOR SHALL MAINTAIN RECORDS (SUCH AS DAILY LOGS, MANIFESTS, DISPOSAL TICKETS, ETC.) TO DOCUMENT THE SOURCE MOVEMENT AND DESTINATION OF EACH LOAD OF RM. ONE (1) COPY OF EACH OF THESE RECORDS SHALL BE SUBMITTED TO THE PROJECT ENGINEER PRIOR TO THE END OF THE NEXT WORKING DAY.

THE CONTRACTOR SHALL PROPERLY TRANSPORT AND DISPOSE OF THE EXCAVATED RM IN A LOCAL HEALTH DEPARTMENT LICENSED AND OHIO ENVIRONMENTAL PROTECTION AGENCY PERMITTED SOLID WASTE FACILITY.

BASIS OF PAYMENT

THE CONTRACTOR SHALL FURNISH ALL THE LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO PROPERLY DEWATER EXCAVATIONS (IF NECESSARY) AND HANDLE, STORE (IF NECESSARY), TEST, CHARACTERIZE, TRANSPORT, AND DISPOSE OF RM, INCLUDING ANY REQUIRED PERMITS, APPROVALS, OF FEES WITHIN THE LIMITS IDENTIFIED ABOVE. PAYMENT FOR THIS WORK SHALL BE MADE AT THE CONTACT PRICE BID PER TON AND PER GALLON. THE BASIS FOR CONVERSATION FOR SOILS/SAND FROM CUBIC YARDS TO TON IS 1.5 TON/CUBIC YARD. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

690E65010 - ITEM SPECIAL - WORK INVOLVING SOLID WASTE (PCS)	30 TONS
690E65100 - ITEM SPECIAL - WORK INVOLVING NON-REGULATED WASTE	150 TONS

ITEM SPECIAL - AGGREGATE BASE (NO. 57 STONE)

THIS WORK CONSISTS OF FURNISHING, PLACING AND COMPACTING ONE OR MORE COURSES OF UNIFORMLY GRADED NO. 57 SIZE STONE BASE. MATERIAL SHALL BE HIGH QUALITY WASHED ANGULAR LIMESTONE AND IN ACCORDANCE WITH CMS 703. PLACE STONE IN LIFTS OF SIX INCHES OR LESS AND CONSOLIDATE EACH LIFT WITH A VIBRATORY ROLLER OR PLATE COMPACTOR. SIEVE ANALYSIS SHALL BE SUBMITTED TO THE CITY FOR REVIEW. FAILURE OF THE GRADATION TO MEET SPECIFICATIONS SHALL RESULT IN REJECTION OF THE MATERIAL. PAYMENT SHALL BE PER CUBIC YARDS COMPUTED FROM THE PROFILE GRADE AND TYPICAL SECTIONS CONSOLIDATED IN PLACE.

ITEM SPECIAL - FILL AND PLUG EXISTING CONDUIT, 24"

THIS ITEM CONSISTS OF THE CONSTRUCTION OF BULKHEADS IN AN EXISTING 24 INCH DIAMETER CONDUIT AND FILLING THE AREA SEALED OFF WITH ITEM 613, SAND OR OTHER MATERIAL APPROVED BY THE ENGINEER. LOCATE THE BULKHEADS AT THE LIMITS OF THE AREA TO BE FILLED, AS INDICATED ON THE PLANS. THE BULKHEADS CONSIST OF BRICK OR CONCRETE MASONRY WITH A MINIMUM THICKNESS OF 12 INCHES. PUMP THE FILL MATERIAL INTO PLACE OR BY OTHER MEANS APPROVED BY THE ENGINEER, SO THAT AFTER SETTLEMENT, AT LEAST 90 PERCENT OF THE CROSS-SECTIONAL AREA OF THE CONDUIT, FOR ITS ENTIRE LENGTH IS FILLED. THE LENGTH OF FILLED AND PLUGGED CONDUIT TO BE PAID FOR IS THE ACTUAL NUMBER OF FEET (MEASURED ALONG THE CENTERLINE OF EACH CONDUIT FROM OUTER FACE TO OUTER FACE OF BULKHEADS) FILLED AND PLUGGED AS DESCRIBED ABOVE. IN LIEU OF FILLING AND PLUGGING THE EXISTING CONDUIT, THE PIPE MAY BE CRUSHED AND BACKFILLED PER 203, OR IT MAY BE REMOVED. THE LENGTH, MEASURED AS PROVIDED ABOVE, WILL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR, ITEM SPECIAL, FILL AND PLUG EXISTING CONDUIT, 24".

ITEM SPECIAL - REMOVAL MISC.: VARIOUS REMOVALS

THIS ITEM INCLUDES ALL ITEMS LISTED AS "TO BE REMOVED" (TBR) ON PLAN SHEET NOT OTHERWISE COVERED UNDER A SEPARATE PAY ITEM. THE ITEM WILL BE PAID FOR AS A LUMP SUM.

EXCAVATION AND EMBANKMENT

EXCAVATION AND EMBANKMENT SHALL BE PROVIDED. ITEM 202, PAVEMENT REMOVED, HAS BEEN REMOVED FROM THE EXCAVATION QUANTITY BELOW AND SHOWN AS A SEPARATE QUANTITY ON THE ESTIMATED QUANTITIES SHEET. THE FOLLOWING QUANTITIES HAVE BEEN PROVIDED AND CARRIED TO THE GENERAL SUMMARY.

ITEM 203 EXCAVATION	200 CY
ITEM 203 EMBANKMENT	1,050 CY

CONTRACTOR USE OF FLORY PARK PARKING LOT

THE CONTRACTOR SHALL BE PERMITTED TO USE THE EASTERN PORTION OF THE FLORY PARK ASPHALT LOT (650 W CHURCH ST, NEWARK, OH 43055) FOR SET UP OF THE CONSTRUCTION TRAILER.

-ACCESS TO A PORTION OF THE FLORY PARK PARKING LOT AND PARK ACCESS TRAILS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.

-THE CONTRACTOR SHALL PROVIDE SAFE PEDESTRIAN ACCESS FROM THE PARKING AREA TO THE TRAIL AND PARK, USING CONSTRUCTION FENCING AND/OR BARRIERS, AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.

-ACCESS TO ALL BUILDINGS WITHIN FLORY PARK SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.

-TEMPORARY CONSTRUCTION FENCING SHALL BE INSTALLED ALONG THE PROPOSED CONSTRUCTION LIMITS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES TO PROTECT THE SECTION 4(F) PROPERTY AND THE PUBLIC.

-APPROPRIATE SIGNAGE SHALL BE INSTALLED TO ALERT USERS OF THE FLORY PARK PARKING AND TRAILHEAD OF CONSTRUCTION ACTIVITIES AND ACCESS RESTRICTIONS TO A PORTION OF THE PARKING AREA.

-THE PARKING AREA SHALL BE RETURNED TO ITS ORIGINAL CONDITION, AND EXISTING PARK INFORMATIONAL SIGNS WILL BE AVOIDED OR PRESERVED AND RESTORED FOLLOWING CONSTRUCTION.

-THE CONTRACTOR SHALL BE REQUIRED TO CLOSELY COORDINATE THE CONSTRUCTION SCHEDULE WITH ODOT, THE CITY OF NEWARK, AND THE CITY OF NEWARK PARKS AND RECREATION DEPARTMENT PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.

CALCULATED
GGW
CHECKED
MJR

GENERAL NOTES

LIC-CR804-1.73

J:\2019\1018\ODOT\LIC\109321\CHURCH_STREET\Design\Roadway\Sheets\109321_GN001.dgn 2/21/2023 10:16:31 AM gwastelowski