

THE STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION
MAINTENANCE AND OPERATIONS
CONSTRUCTION PLANS AND SPECIFICATIONS FOR

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

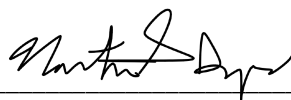
CONTRACT NUMBER - T202504905

UNIFIER PROJECT ID – 2025-00042

FEDERAL AID NUMBER - NONE

COUNTY: NEW CASTLE

PLANS PREPARED BY: 
DESIGNER



11/13/24

DELDOT – PUBLIC WORKS ENGINEER/PM II
MAINTENANCE AND OPERATIONS - (CAD)

DATE



THIS SEAL APPLIES TO ALL SHEETS
BEARING THE "CAD" SECTION
DESIGNATION

APPROVED FOR ADVERTISEMENT

Anne Brown

11/14/2024

DIRECTOR OF MAINTENANCE AND OPERATIONS

DATE

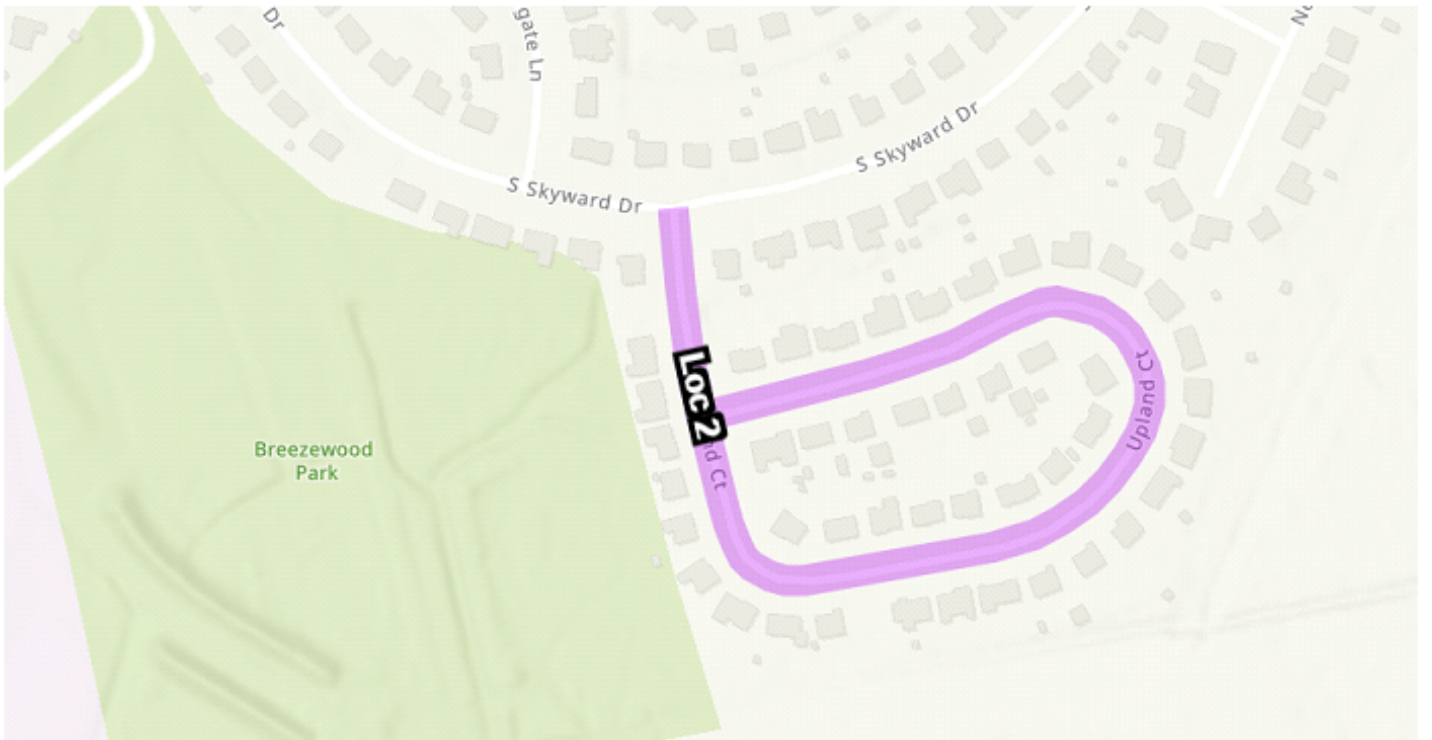
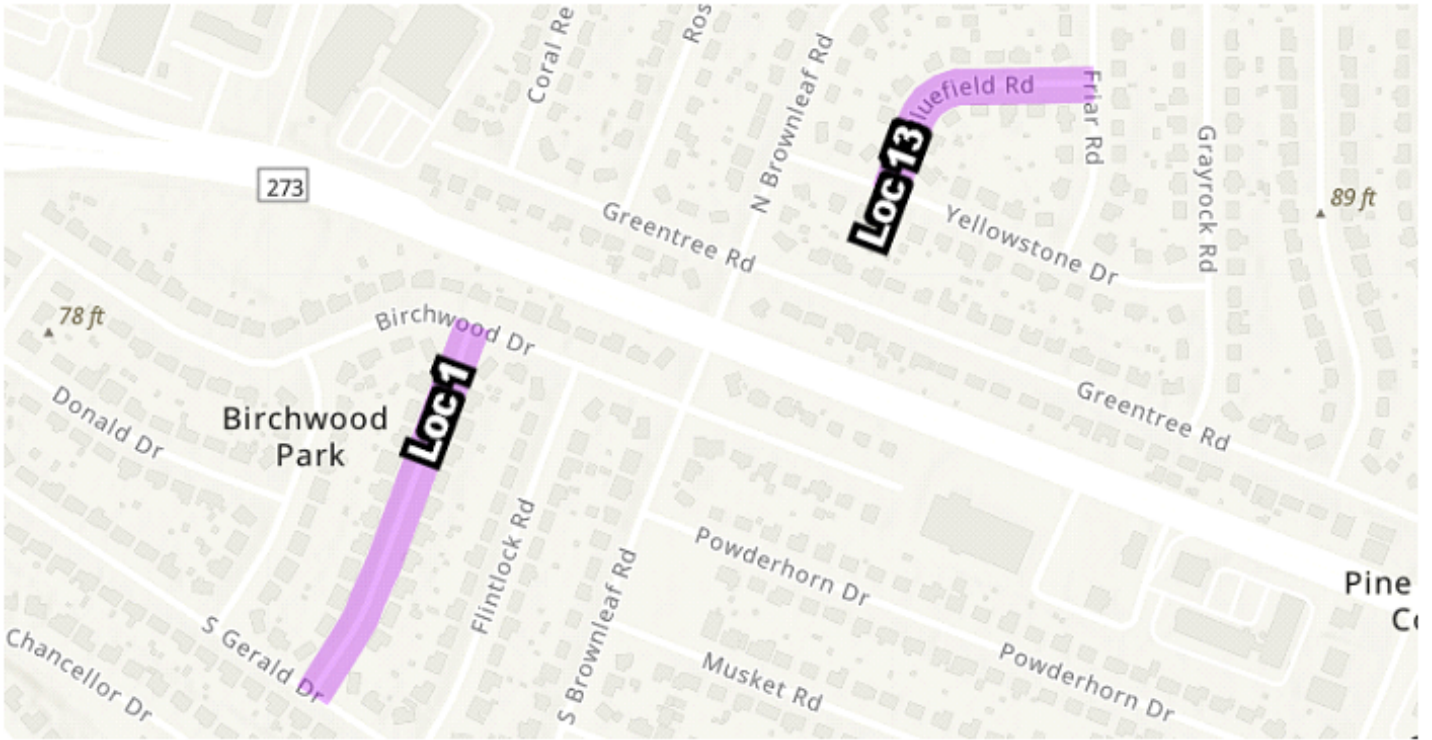
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Contract is for various locations throughout New Castle County.

LOCATION MAP



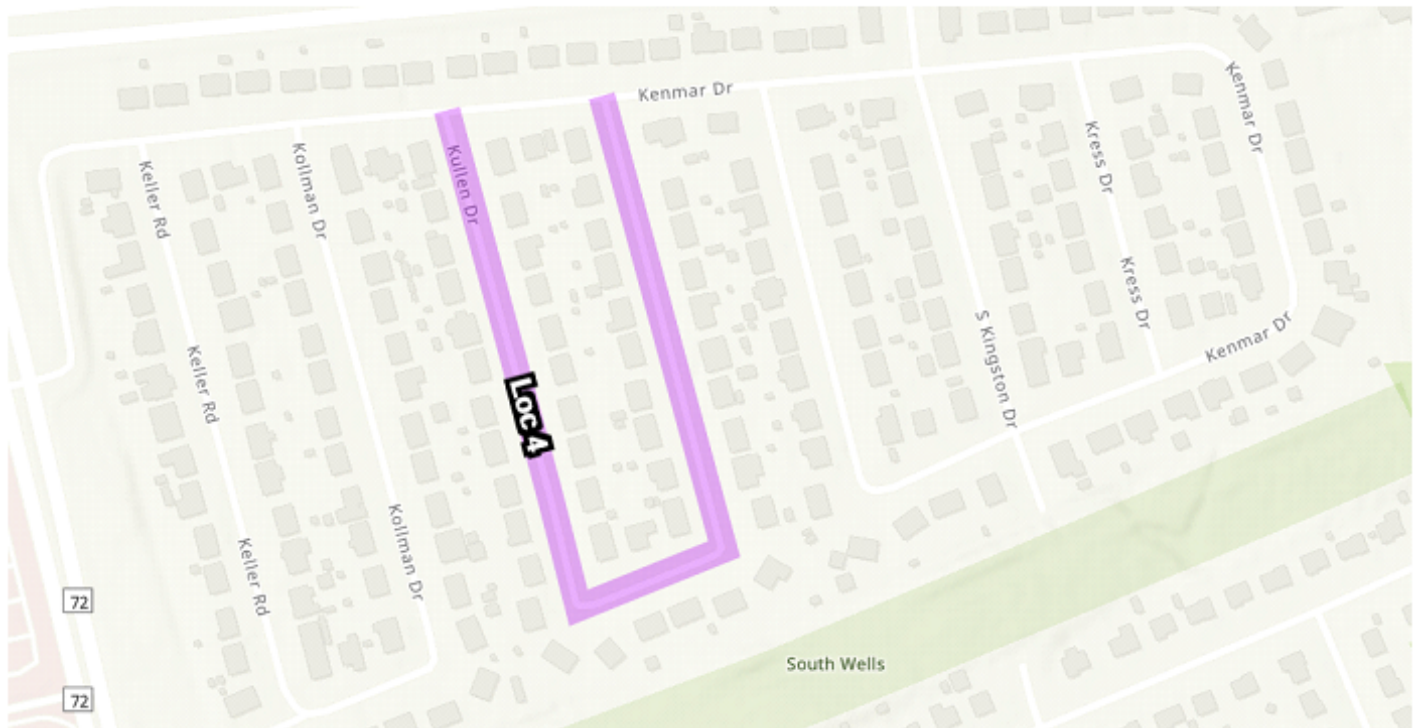
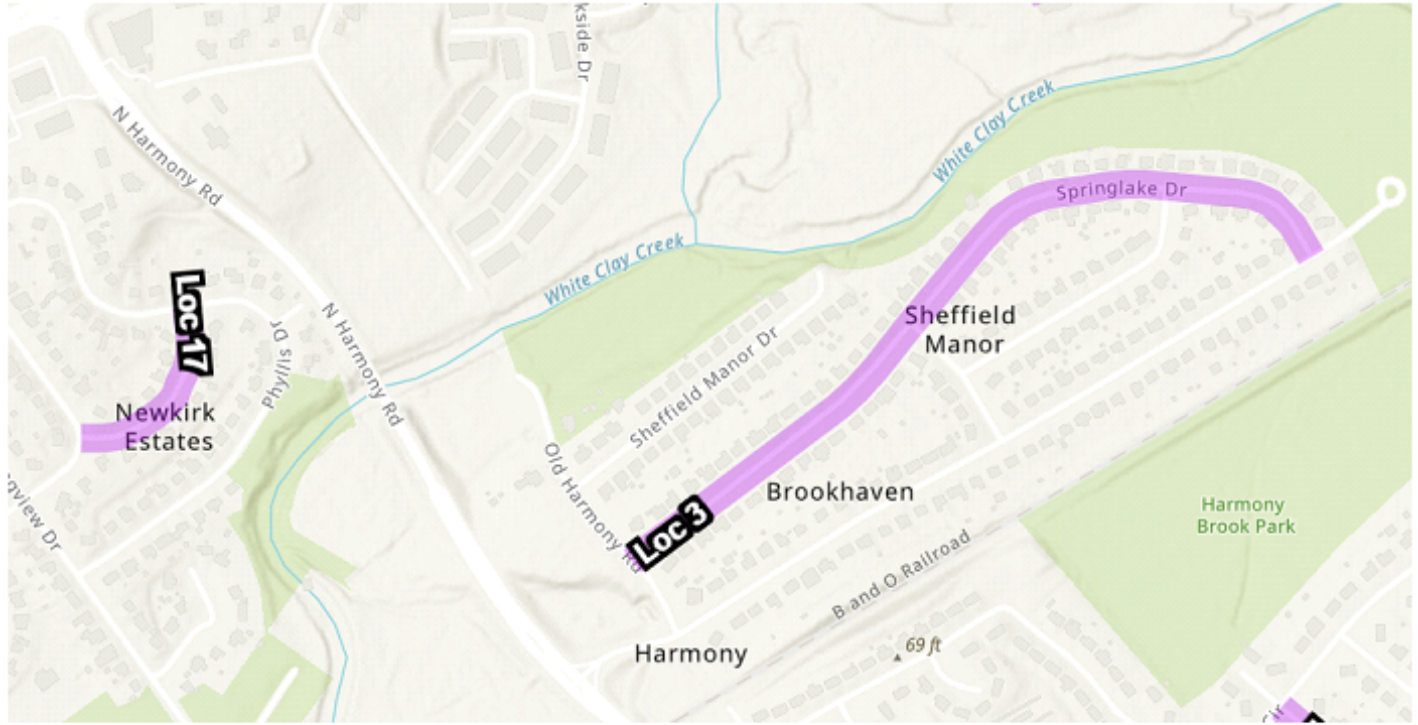
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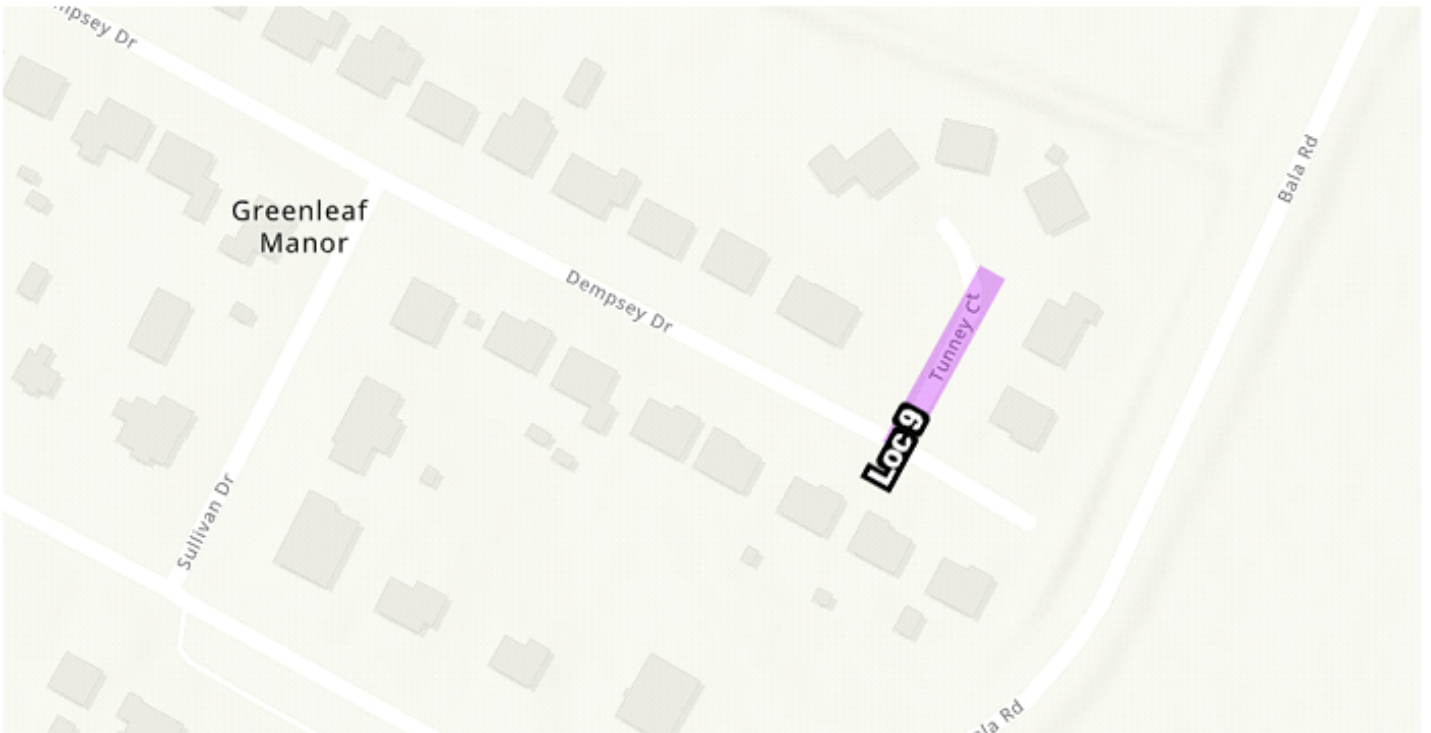
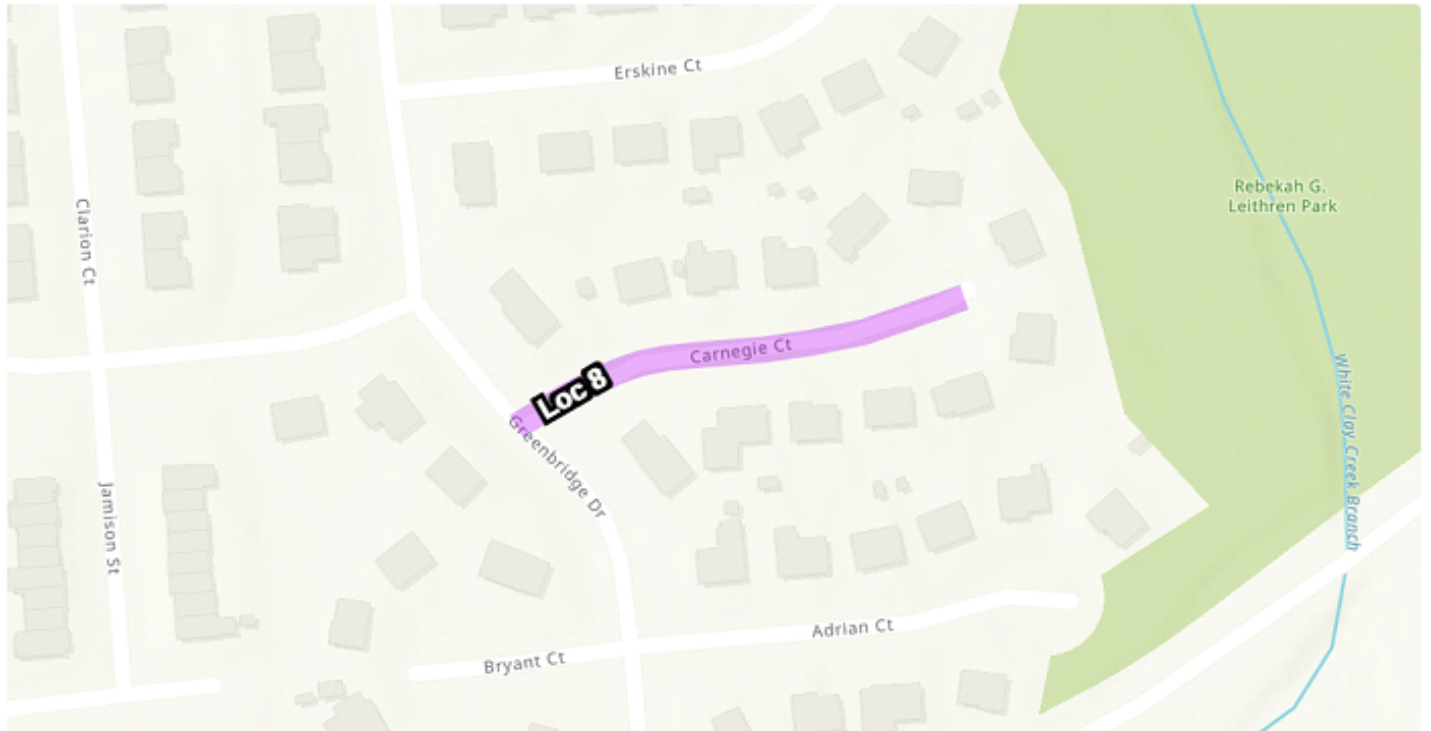
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LOCATION MAP



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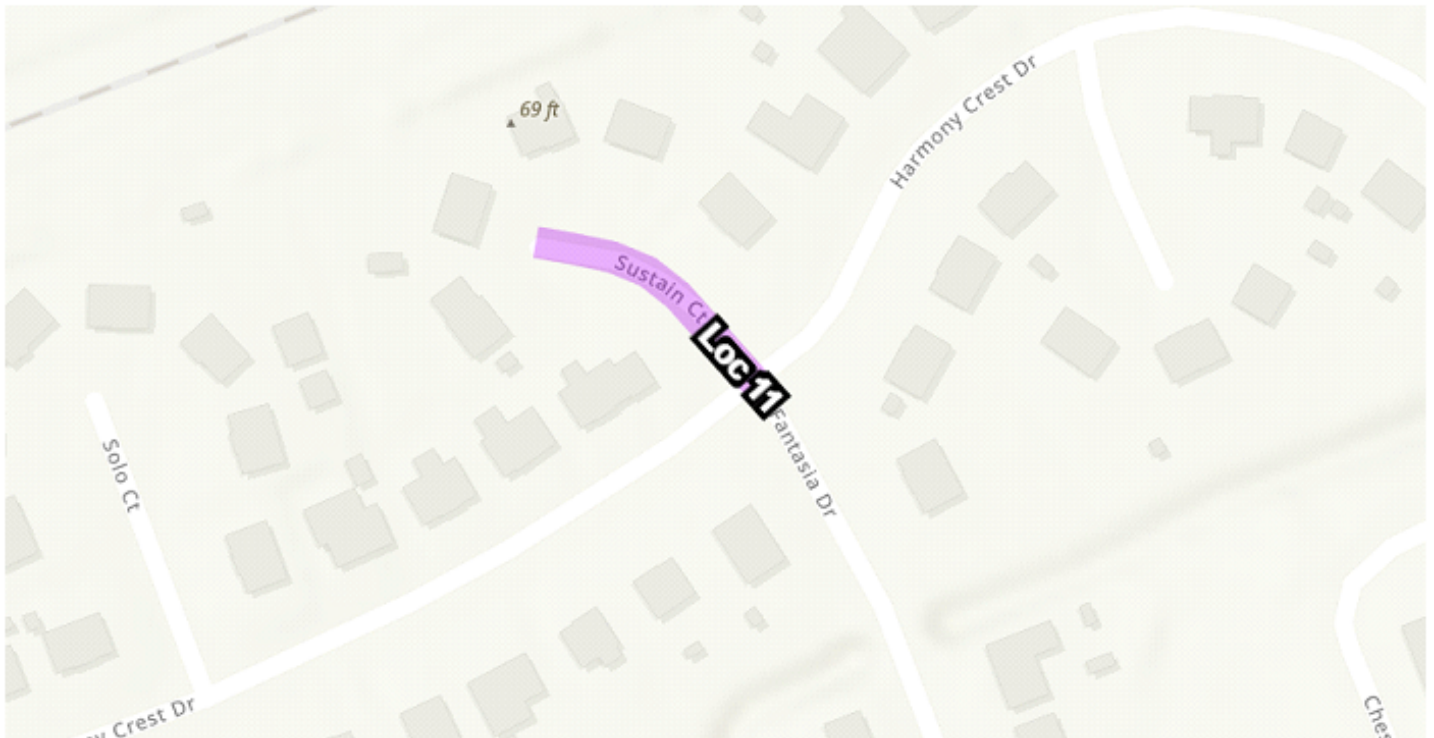
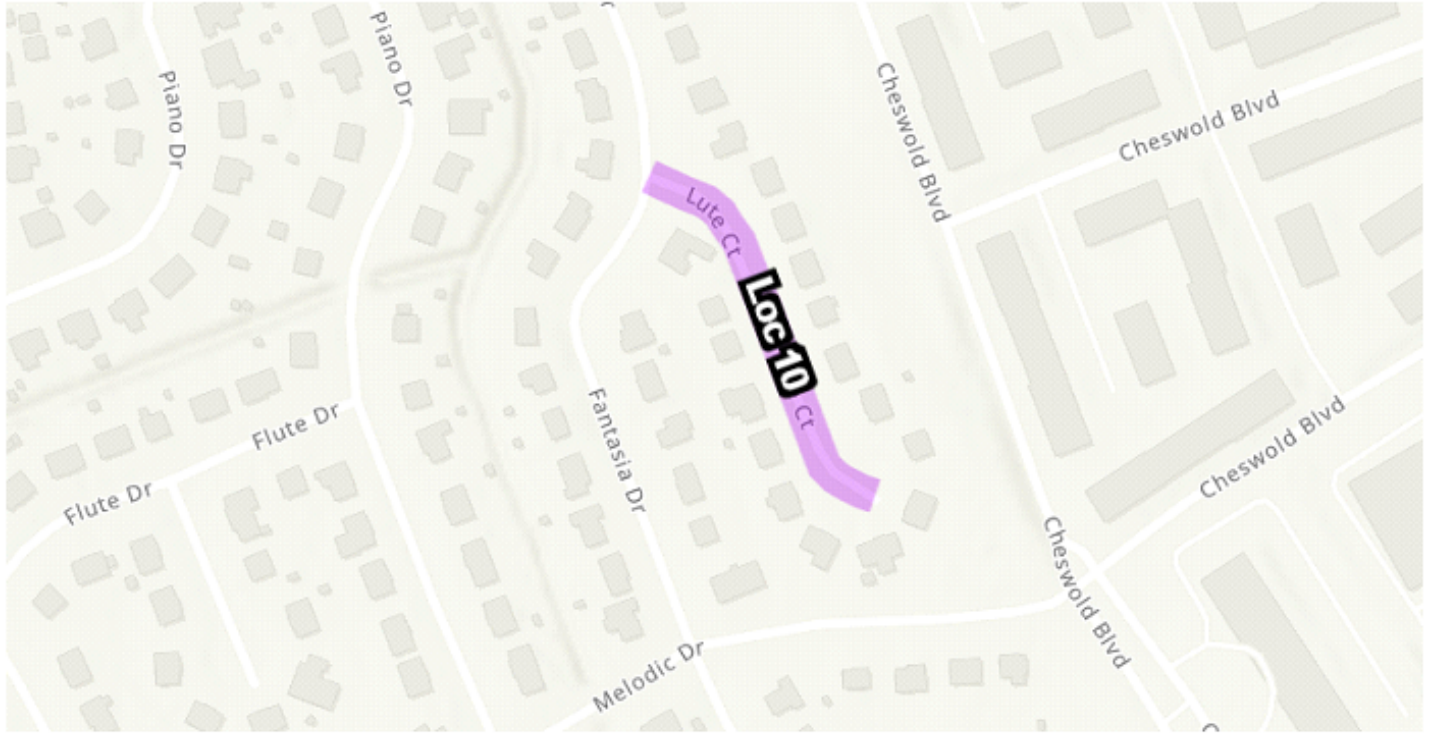
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LOCATION MAP



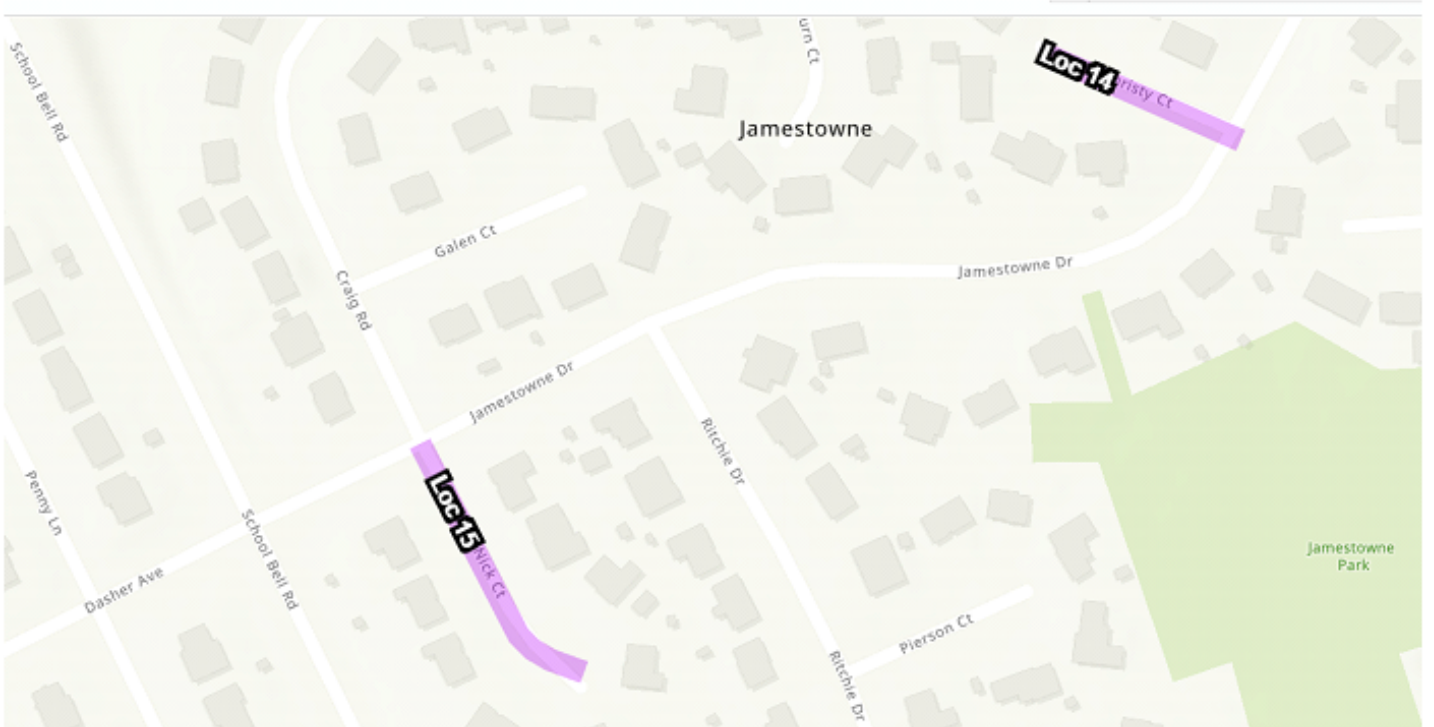
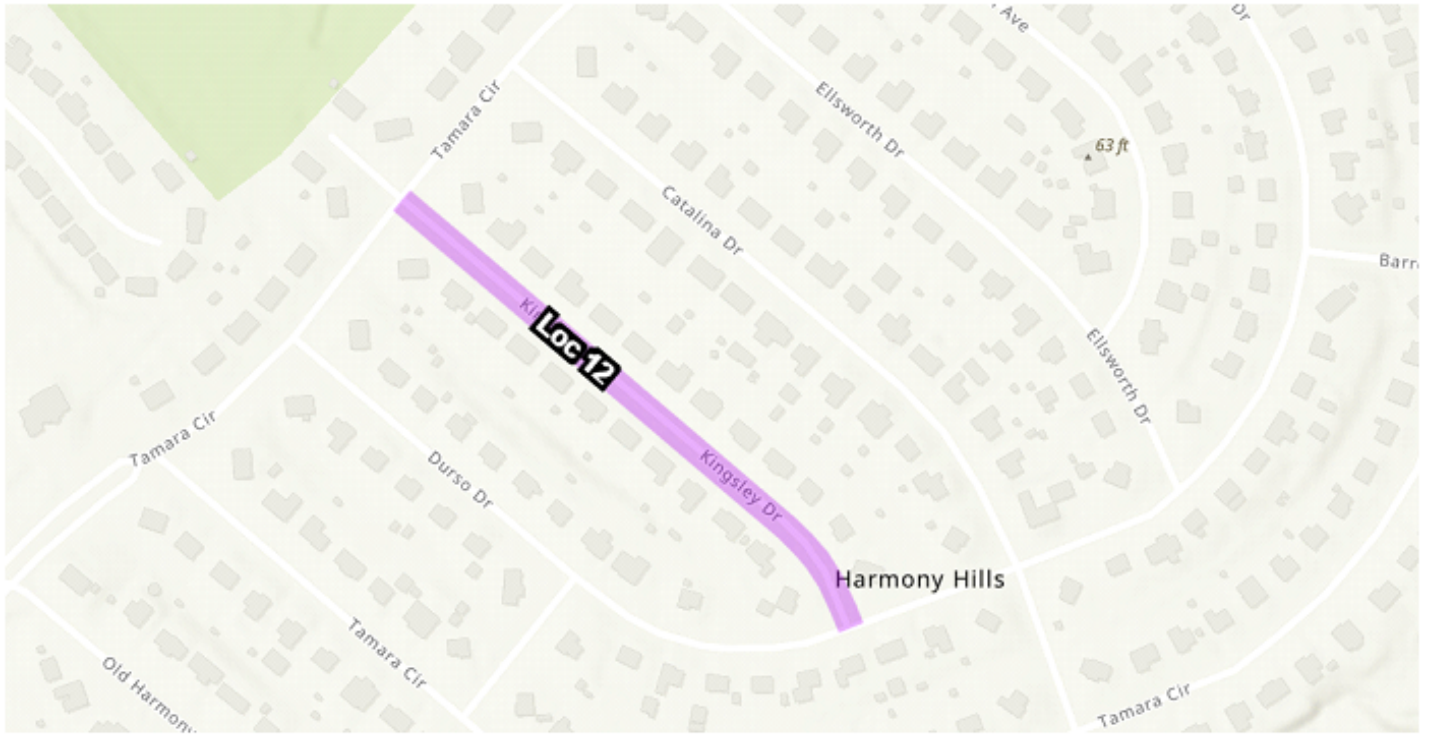
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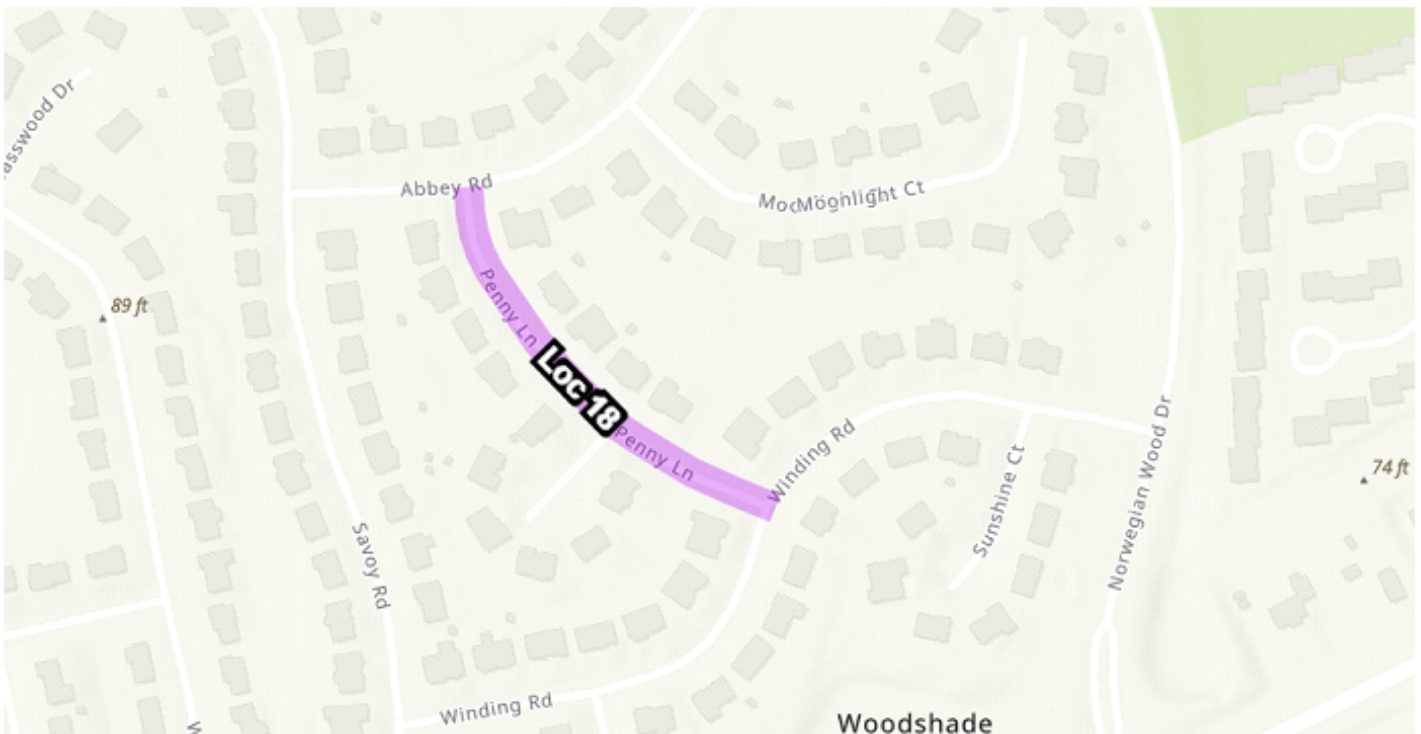
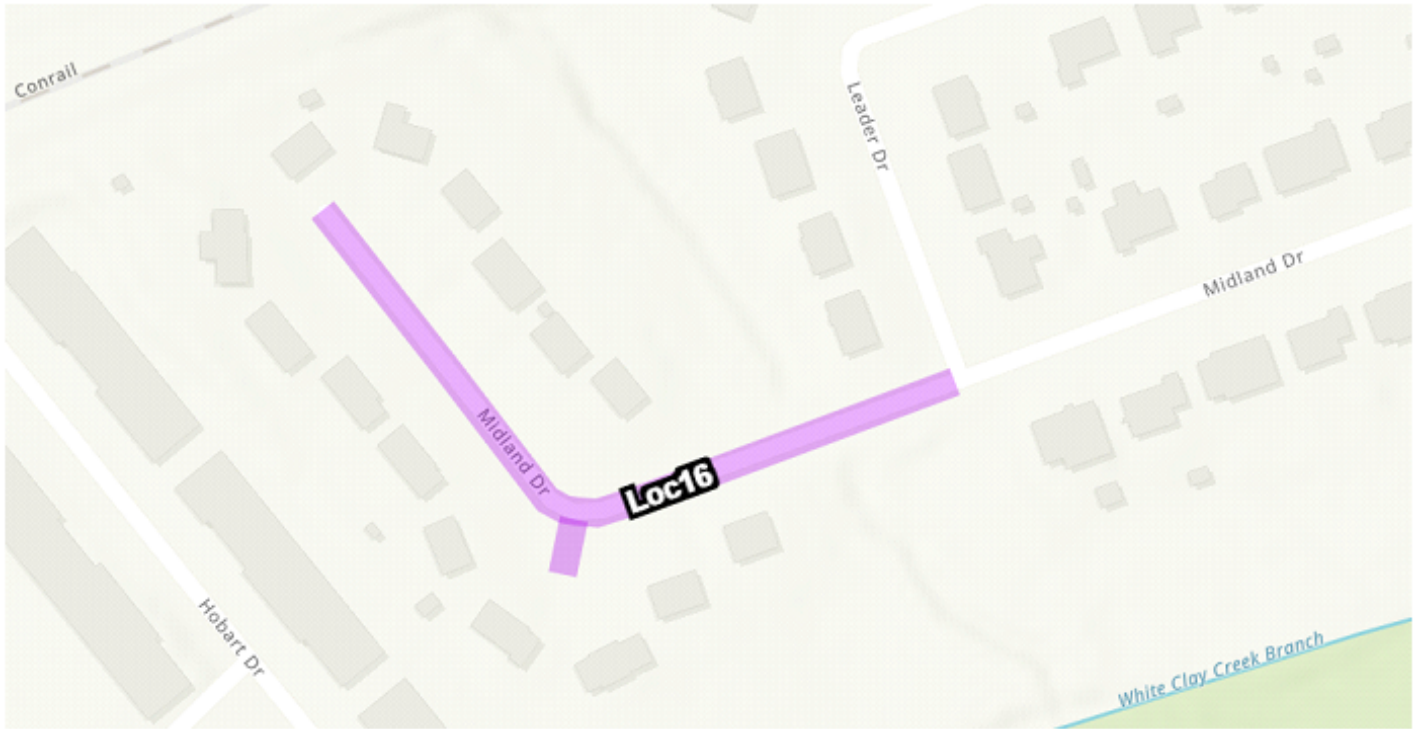
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LOCATION MAP



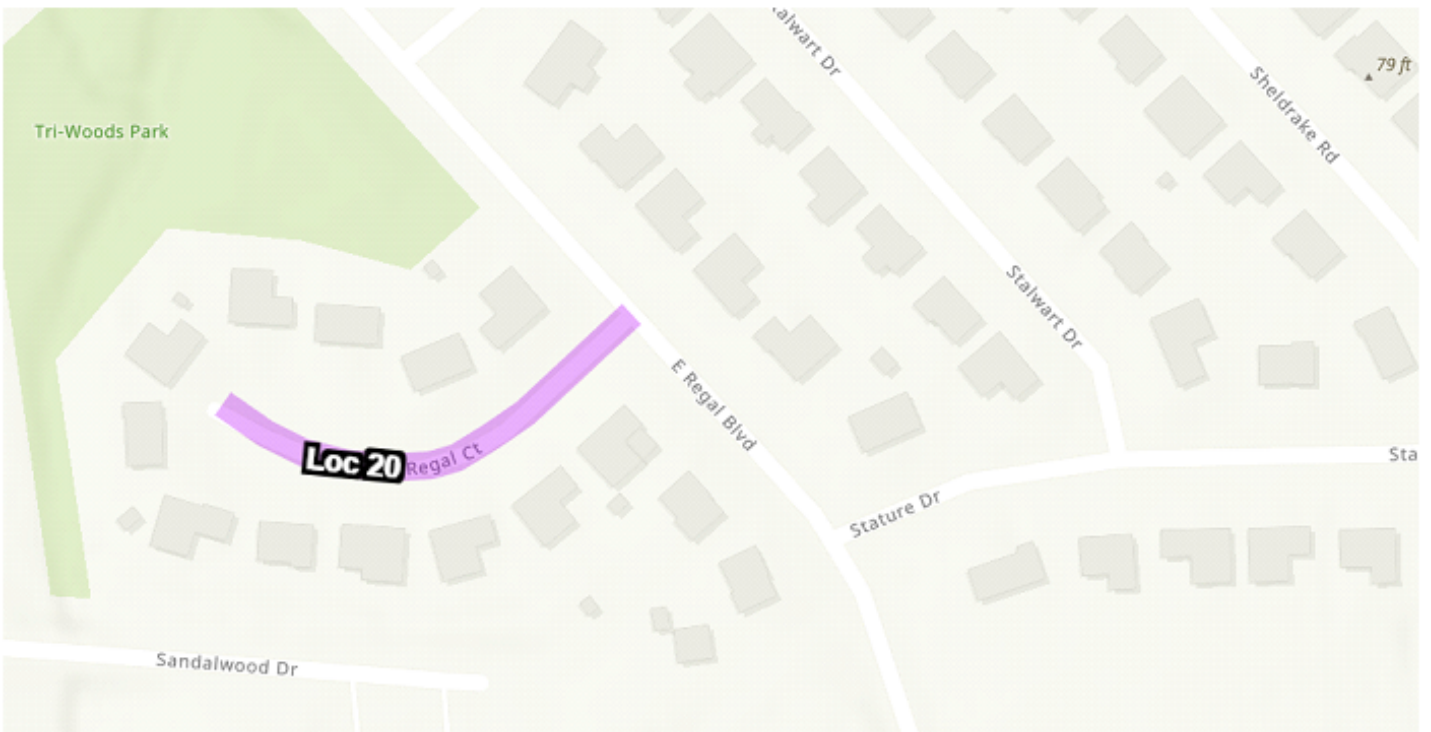
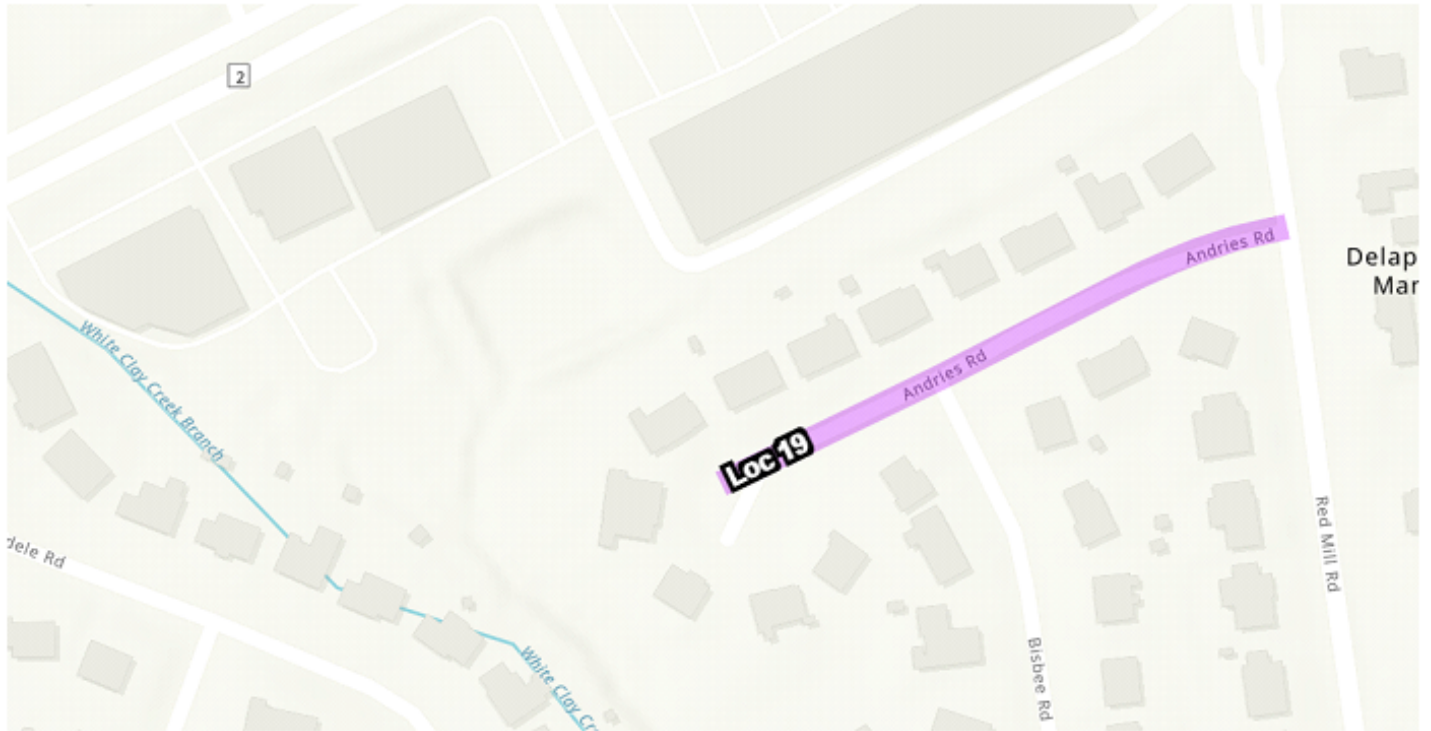
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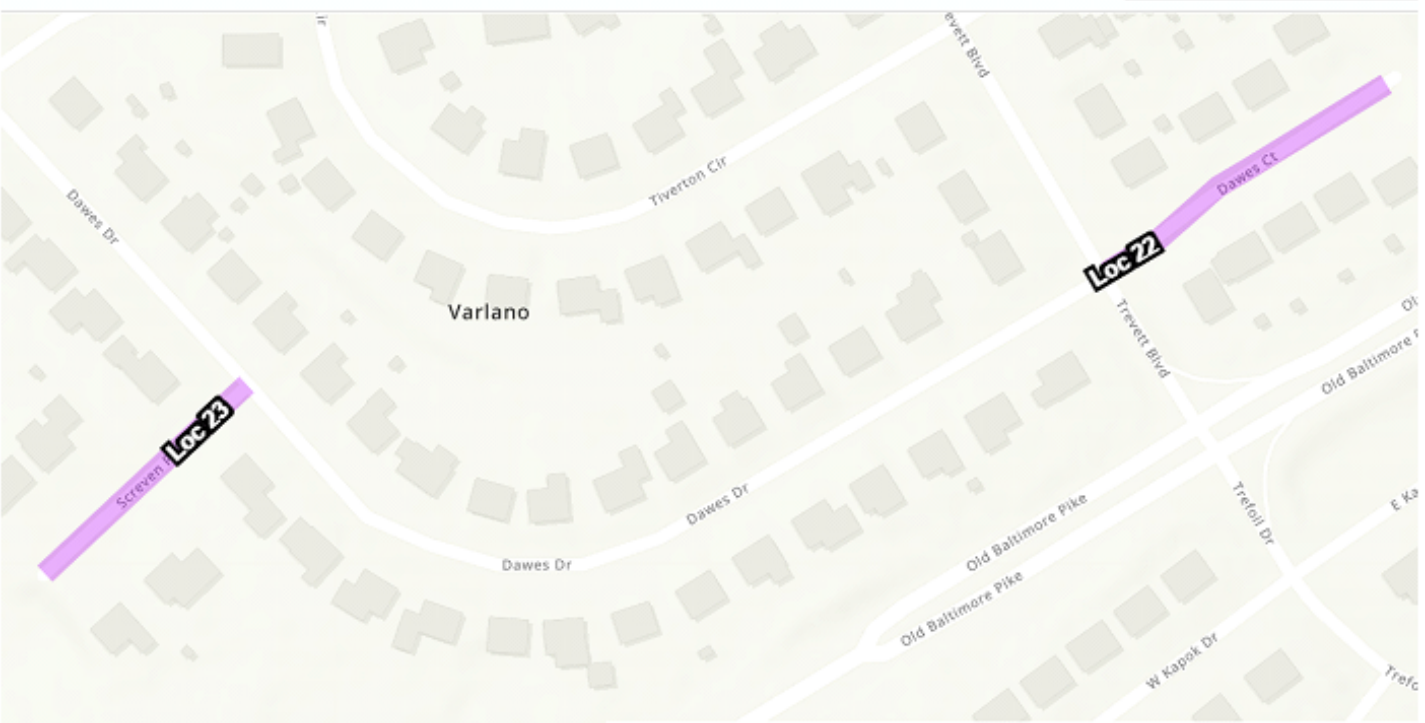
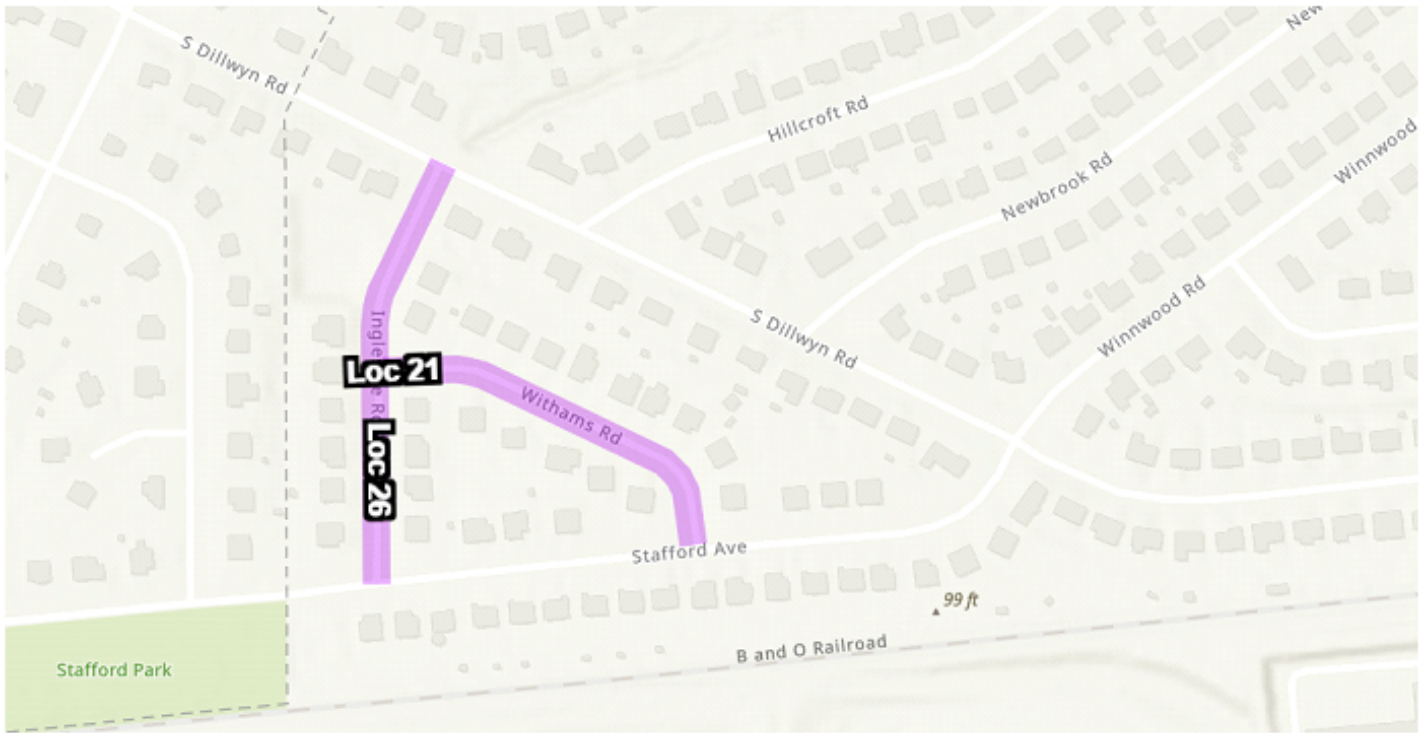
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LOCATION MAP



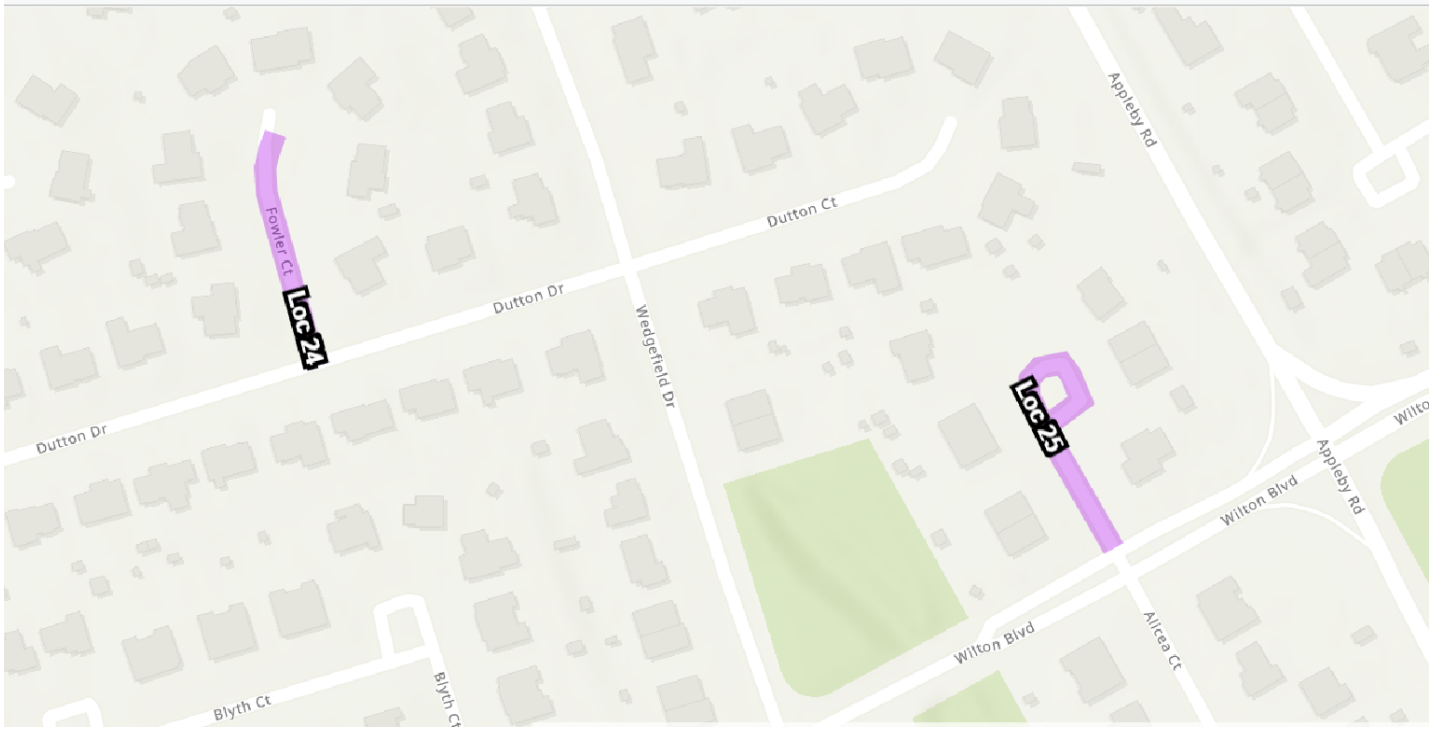
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Contract is for various locations throughout New Castle County.

LOCATION MAP



GENERAL CONTRACT PLAN NOTES

SECTION 100

1. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JANUARY 2024 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION DETAILS DATED 2024, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT.

2. THE PURPOSE OF THIS CONTRACT IS TO MAKE GENERAL IMPROVEMENTS TO ROADS AND/OR STREETS WITHIN THE DISTRICT HEREIN SPECIFIED. DEPENDING ON FUND AVAILABILITY, THE DEPARTMENT RESERVES THE RIGHT TO ADD OR DELETE LOCATIONS AND/OR QUANTITIES FOR THIS CONTRACT. SUCH ADDITIONS OR DELETIONS SHALL NOT BE CAUSE FOR AN INCREASE OR DECREASE IN ANY CONTRACT UNIT BID PRICES. NO ITEM PRICES ARE TO BE RENEGOTIATED DUE TO EITHER AN INCREASE OR DECREASE IN QUANTITY USAGE RESULTING FROM SAID ADDITIONS OR DELETIONS.

3. THE CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO RESIDENTS AND BUSINESSES AT LEAST 48 HOURS, BUT NO MORE THAN 96 HOURS, PRIOR TO ALL PHASES OF CONTRACT WORK INCLUDING BUT NOT LIMITED TO: SAWCUTTING FOR P.C.C. OPERATIONS, P.C.C. REMOVAL AND REPLACEMENT, PAVEMENT MILLING, AND PAVING. THIS NOTICE SHALL BE GIVEN TO ALL RESIDENTS AND BUSINESSES WHOSE PROPERTY IS ADJACENT TO THE STREET ON WHICH WORK IS TO BE PERFORMED. FAILURE TO GIVE PROPER NOTICE WILL RESULT IN A SUSPENSION OF WORK REQUIRING NOTICE, UNTIL PROPER NOTICE IS PROVIDED. UPON COMPLETION OF DISTRIBUTING WRITTEN NOTICES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.

4. LOCATION LISTINGS INDICATE GENERAL LIMITS OF CONSTRUCTION, MAJOR TYPES OF IMPROVEMENTS, AND ESTIMATED QUANTITIES. DURING THE BIDDING PERIOD, ANY QUESTIONS PERTAINING TO LOCATIONS SHALL BE DIRECTED TO THE CONTRACT ADMINISTRATOR. AFTER THE AWARD, SUCH QUESTIONS SHALL BE REFERRED TO THE APPROPRIATE DISTRICT ENGINEER OR HIS REPRESENTATIVE.

5. THIS CONTRACT WILL HAVE CLEAR "START BY" DATE AND TIME ALLOCATED FOR COMPLETION. FAILURE TO COMPLETE THE CONTRACT IN THE SPECIFIED TIME SHALL CONSTITUTE "FAILURE TO PURSUE THE WORK" AND SUBJECTS THE CONTRACTOR TO LIQUIDATED DAMAGES AS OUTLINED IN SUBSECTION 108.8 OF THE STANDARD SPECIFICATIONS.

6. THE CONTRACTOR SHALL SUBMIT THE REQUIRED COPIES OF A DETAILED PROGRESS SCHEDULE (PSC) AS OUTLINED IN STANDARD SPECIFICATION 108.4 PRIOR TO THE PRECONSTRUCTION MEETING. DETAILS SHALL INCLUDE A DESCRIPTION OF EACH WORK ACTIVITY, THE PLANNED DAYS OF WORK, MULTIPLE CREWS OR SHIFTS, AND SCHEDULED WORKING HOURS. DURING THE CONTRACT, THE CONTRACTOR SHALL SUBMIT TWO-WEEK (OR

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GENERAL CONTRACT PLAN NOTES

AS REQUIRED) "LOOK AHEAD" SCHEDULES TO THE AREA ENGINEER/ MANAGER NO LATER THAN NOON OF EACH THURSDAY. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

ADDITIONAL WORK:

7. THE DEPARTMENT RESERVES THE RIGHT TO INCREASE OR DECREASE THE QUANTITIES OF THE ITEMS SPECIFIED IN THIS CONTRACT. SUCH ADDITIONS SHALL NOT BE CAUSE FOR AN INCREASE OR DECREASE IN ANY CONTRACT UNIT BID PRICES AND/OR LUMP SUM ITEMS IF THE INCREASE IN QUANTITIES DOES NOT REQUIRE REMOBILZATON.

8. THE DEPARTMENT RESERVES THE RIGHT TO ADD LOCATONS TO THIS CONTRACT. SPECIFIC WORK WILL BE ASSIGNED BY THE DEPARTMENT VIA WORK ORDERS AND THE DEPARTMENT WILL MAKE EVERY ATTEMPT TO MINIMIZE THE DISTANCE BETWEEN SUCCESSIVE LOCATIONS. THE CONTRACTOR MAY SUBMIT A REQUEST FOR ADDITIONAL MOT AND MOBILIZATION IN CONJUNCTION WITH ADDED LOCATIONS. THIS REQUEST WILL BE CONSIDERED ON THE BASIS OF EACH ADDITIONAL LOCATION. THE REQUEST FOR INITIAL EXPENSE/MOBILIZATION SHALL NOT EXCEED THE AMOUNT OF THE BID PRICE FOR 763000, DIVIDED BY THE NUMBER OF ORIGINAL CONTRACT LOCATIONS. THE REQUEST FOR MOT SHALL NOT EXCEED THE AMOUNT OF THE BID PRICE FOR 801500, DIVIDED BY THE NUMBER OF ORIGINAL CONTRACT LOCATIONS. FOR OPEN END CONTRACTS WITHOUT ORIGINAL LOCATIONS, BID ITEMS 763544-763552 SHALL BE FULL COMPENSATION FOR MOBILIZATION AND MOT.

EACH WORK ORDER ISSUED WILL HAVE CLEAR "START BY" DATE AND TIME ALLOCATED TO COMPLETE SAID WORK ORDER. ONCE TIME (CALENDAR DAYS) HAS BEEN ASSIGNED TO A WORK ORDER AND ISSUED, THE CONTRACTOR HAS 2 BUSINESS DAYS, NOT INCLUDING THE DAY OF ISSUANCE, TO DISPUTE THE TIME QUANTITY AND PROVIDE ADDITIONAL BACKUP DOCUMENTATION FOR WHY THE TIME QUANTITY IS NOT SUFFICIENT. A DETAILED BREAKDOWN OF LABOR/MATERIALS/EQUIPMENT ALONG WITH THE CONTRACTORS TIME ESTIMATE WILL BE REQUIRED; THIS INFORMATION MUST BE RECEIVED BY THE DEPARTMENT BY THE END OF THE 2ND BUSINESS DAY OR THE DEPARMENT WILL CONSIDER THE CONTRACTOR IN AGREEMENT WITH THE TIME ESTIMATE. THE ENGINEER WILL EVALUATE ANY REQUEST FOR MODIFICATION TO THE TIME ESTIMATE AND AT THEIR SOLE DISCRETION DETERMINE IF ADDITIONAL TIME IS GRANTED. DISPUTING TIME QUANTITY DOES NOT CONSTITUTE A DELAY IN COMMENCEMENT OF A WORK ORDER. ISSUANCE OF EACH WORK ORDER CONSTITUTES THE NOTICE TO PROCEED WITH THE WORK DESCRIBED. FAILURE TO COMPLETE A WORK ORDER IN THE SPECIFIED TIME SHALL CONSTITUTE "FAILURE TO PURSUE THE WORK" AND SUBJECTS THE CONTRACTOR TO LIQUIDATED DAMAGES AS OUTLINED IN SUBSECTION 108. 9 OF THE STANDARD SPECIFICATIONS BASED ON THE TOTAL VALUE OF THAT PARTICULAR WORK ORDER.

GENERAL CONTRACT PLAN NOTES

UPON ISSUANCE OF EACH WORK ORDER, THE CONTRACTOR SHALL SUBMIT THE REQUIRED COPIES OF A DETAILED PROGRESS SCHEDULE AS OUTLINED IN STANDARD SPECIFICATION 108.4 WITHIN 5 CALENDAR DAYS OF THE ISSUANCE OF WORK ORDER. DURING THE CONTRACT, THE CONTRACTOR SHALL SUBMIT TWO-WEEK (OR AS REQUIRED) "LOOK AHEAD" SCHEDULES TO THE AREA ENGINEER NO LATER THAN NOON OF EACH THURSDAY. DETAILS SHALL INCLUDE A DESCRIPTION OF EACH WORK ACTIVITY, THE PLANNED DAYS OF WORK, MULTIPLE CREWS OR SHIFTS, AND SCHEDULED WORKING HOURS. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED. THE PROGRESS SCHEDULE MUST ALSO BE UPDATED AND SUBMITTED TO THE DEPARTMENT AS CHANGES OR DELAYS OCCUR IN THE CONTRACT.

SECTION 400

9. UNLESS SPECIFIED, OVERLAY WIDTHS SHALL MATCH EXISTING WIDTHS.

10. THE COST OF CLIPPING BACK THE EDGES OF THE ROADWAY, SHOULDERS, AND THE FIRST 3' OF UNPAVED DRIVEWAY ENTRANCES, PICKING UP AND DISPOSING OF WASTE AND EXCESS MATERIAL, AND CLEANING THE EXISTING PAVEMENT PRIOR TO AN OVERLAY SHALL BE INCIDENTAL TO SECTION 401XXX. PREPARING UNPAVED DRIVEWAY ENTRANCES BEYOND THE FIRST 3' SHALL BE PAID UNDER THE APPROPRIATE CONTRACT ITEMS: 202000 AND/OR 30100X.

11. ALL PAVING, INCLUDING TURN LANES AND INTERSECTIONS, IS TO BE COMPLETED CURB TO CURB WITHIN SEVEN (7) CALENDAR DAYS FROM THE TIME THE AREA WAS MILLED. THIS RESTRICTION APPLIES TO EACH DAYS PAVEMENT MILLING OPERATION, NOT AN ENTIRE PROJECT LOCATION. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

12. IN ADDITION TO ITEM 401506 SPEED HUMP BEING UTILIZED FOR NEW SPEED HUMPS, IT SHALL ALSO INCLUDE REMOVE AND REPLACE SPEED HUMPS. UNLESS NOTED OTHERWISE, SPEED HUMPS SHALL BE MEASURED AND REPLACED AT THE SAME HEIGHT PRIOR TO CONSTRUCTION BUT SHALL NOT EXCEED 4". ALL SIGNING AND STRIPING SHALL CONFORM TO THE LATEST EDITION OF THE DE MUTCD.

AT REMOVE AND REPLACE LOCATIONS, 401506 SHALL BE PAID AND THE REMOVAL SHALL BE INCIDENTAL TO THIS ITEM. SPEED HUMPS REMOVED AS PART OF THE MILLING/PAVING OPERATION, SCHEDULED TO BE PUT BACK, SHALL BE REPLACED WITHIN SEVEN (7) DAYS OF COMPLETION OF PAVING. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED. PAYMENT FOR THIS ITEM

GENERAL CONTRACT PLAN NOTES

SHALL INCLUDE PERMANENT STRIPING AND DELINEATOR POSTS. IF PERMANENT STRIPING CANNOT BE PLACED THE SAME DAY AS THE SPEED HUMP PLACEMENT, TEMPORARY STRIPING SHALL BE APPLIED THE SAME DAY.

13. PAVING WILL INCLUDE INTERSECTING STREETS FROM P.C. TO P.C.: MILLING AND PAVING OF INTERSECTING STREETS WILL NOT BE CONSIDERED FOR ENTRANCE, DRIVEWAY AND INTERSECTING STREET PAVEMENT SURCHARGE, NOR WILL DRIVEWAYS AND ENTRANCES.

14. FOR BITUMINOUS CONCRETE PATCH:

- FOR DRIVEWAY APRONS (BEHIND CURB) PLACE 2 LIFTS OF 2" BITUMINOUS CONCRETE TYPE C.
- FOR FINISHED PATCHES IN FRONT OF CURB, PLACE 2 LIFTS OF 2" BITUMINOUS CONCRETE TYPE C.
- FOR TEMPORARY PATCHES IN FRONT OF CURB, PLACE 2 LIFTS OF 2" OF BITUMINOUS CONCRETE TYPE C OR AS DIRECTED BY THE AREA ENGINEER.
- THE ENGINEER MAY CHANGE TYPE OF BITUMINOUS CONCRETE AND DEPTHS AT THEIR DISCRETION.

SECTION 500

15. ITEM 501001 PCC PAVEMENT, 8" IS DESIGNATED FOR NOW-DEFUNCT ITEM 701004 PCC VALLEY GUTTER-8". WHEN REPLACING VALLEY GUTTERS, PLEASE REFER TO CONTRACT PLAN DETAILS. DOWEL BARS, WIRE MESH REINFORCEMENT, BITUMINOUS SEAL, AND EXPANSION, PCC SAWCUTS, AND GABC UNDER THE PCC ARE INCIDENTAL TO VALLEY GUTTER ITEM (501001).

SECTION 600

16. DRAINAGE INLET GRATES ADJACENT TO THE ROAD, WITHIN THE PROJECT LIMITS, WHICH ARE NOT TYPE 1 SHALL BE REPLACED WITHIN 7 DAYS OF PAVING. THE NEED FOR ANY GRATE MODIFICATIONS OR FOR NEW FRAMES SHALL BE DETERMINED BY THE ENGINEER. ALL REPLACED GRATES/ FRAMES SHALL BE DELIVERED TO THE CANAL DISTRICT MAINTENANCE YARD, OR AS DIRECTED WITH THE COST OF DELIVERY INCIDENTAL TO 602100/602101, REPLACING DRAINAGE INLETS GRATES/FRAMES. FINAL PAYMENT FOR REPLACED GRATES/ FRAMES SHALL NOT BE MADE UNTIL RECEIPT OF DELIVERED MATERIALS IS PRODUCED, SIGNED BY A DELDOT MAINTENANCE YARD SUPERVISOR.

17. CATCH BASINS WITH A MANHOLE SHALL BE CONVERTED TO A STANDARD CATCH BASIN AT THE DISCRETION OF THE ENGINEER. A 6" COVERSLAB WITH REBAR 6-8" ON CENTER AND

GENERAL CONTRACT PLAN NOTES

MINIMUM OF 6" OF TOPSOIL ON TOP SHALL REPLACE MANHOLE. PAYMENT FOR ADDITIONAL WORK SHALL BE PAID AN ADDITIONAL QUANTITY OF 0.5 THE BID AMOUNT FOR ITEM 602130 OR 602131.

18. WHEN ENCOUNTERING DELDOT STORMWATER MANHOLES WITHIN LIMITS OF PAVING, THOSE MANHOLES WILL BE ADJUSTED AND UPDATED AT THE DISCRETION OF THE ENGINEER. ITEMS 602102/602103 SHALL BE FULL COMPENSATION (FURNISH AND INSTALLING) THE NEW LIDS AND FRAMES.

19. WHEN ENCOUNTERING NEW CASTLE COUNTY SANITARY MANHOLES WITHIN THE LIMITS OF PAVING, THOSE MANHOLES WILL BE ADJUSTED AND UPDATED AT THE DISCRETION OF THE ENGINEER. THE LIDS AND FRAMES ARE PROVIDED BY NEW CASTLE COUNTY AT NO COST TO THE CONTRACTOR. OBTAINING, STORING, DELIVERING, AND PLACING THESE NEW LIDS AND FRAMES SHALL BE INCIDENTAL TO THE ADJUSTMENT ITEM 602132.

ANY ADJUSTMENTS TO THE AFOREMENTIONED MUNICIPALLY OWNED FACILITIES SHALL BE DONE IN ACCORDANCE WITH THE RESPECTIVE AGENCIES STANDARD SPECIFICATIONS, AS CONSTRUCTION WARRANTS.

- THE COUNTY REQUIRES A FULL BEARING OF BRICK BENEATH ALL ADJUSTED SANITARY MANHOLE CASTINGS.
- THE COUNTY ACCEPTS THE USE OF 1-1/2" TO 3" PRECAST P.C.C. RINGS FOR THEIR MANHOLE ADJUSTMENTS, UPON APPROVAL OF THE CONTRACTOR'S SOURCE OF MATERIALS SUBMISSION.

SECTION 700

20. BUTT JOINTS SHALL BE CONSTRUCTED AT ALL INTERSECTING BITUMINOUS CONCRETE ROADS AND ANY OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. BUTT JOINTS AT RAILROAD CROSSINGS AND AT BRIDGE OR DRAINAGE STRUCTURES NOT TO BE RESURFACED SHALL BE AS PER THE INCLUDED PLAN DETAIL. BUTT JOINTS CUT PRIOR TO THE DAY OF PAVEMENT OVERLAY SHALL BE RAMPED WITH BITUMINOUS CONCRETE TRM, IN MILLING AREAS, INCIDENTAL TO THE ITEM 762004 BUTT JOINT. ONLY BITUMINOUS CONCRETE WILL BE ALLOWED FOR THIS PURPOSE. BUTT JOINTS IN FULL MILL AREAS SHALL BE INCIDENTAL TO THE PAVEMENT MILLING ITEM (760010). SAWCUTS FOR BUTT JOINTS SHALL BE INCIDENTAL TO THE BUTT JOINT ITEM. ALL BITUMINOUS CONCRETE TRM SHALL BE REMOVED PRIOR TO THE PAVING OPERATION.

21. THE USE OF MILLINGS AND GABC IN THE TRAVEL WAY, TEMPORARY TRAVEL WAY, HIGH VOLUME ENTRANCES AND ACCESS RAMP FOR THE PURPOSE OF PROVIDING A TEMPORARY ROADWAY SURFACE, POTHOLE REPAIR, TAPERED EDGE FOR UTILITIES, BUTT JOINTS, AND LONGITUDINAL DROP-OFFS (MILLING AND PAVING OPERATIONS) IS PROHIBITED UNLESS IT IS OTHERWISE DESIGNATED TO BE USED IN THE CONTRACT PLANS. USE COLD PATCH, BITUMINOUS CONCRETE, BITUMINOUS CONCRETE WEDGE, OR TAPER MILL, AS NOTED IN THE CONTRACT

GENERAL CONTRACT PLAN NOTES

DOCUMENTS OR APPROVED BY THE ENGINEER. PAYMENT FOR COLD PATCH, BITUMINOUS CONCRETE, OR BITUMINOUS CONCRETE WEDGE SHALL BE INCIDENTAL TO THE BITUMINOUS CONCRETE MILLING ITEM.

MILLINGS OR GABC SHALL BE USED AT THE FOLLOWING LOCATIONS WHERE ACCESS TO A BUSINESS RESIDENCE, OR EDGE DROP OFF NEEDS TO BE MAINTAINED UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE ENGINEER TO USE BITUMINOUS CONCRETE OR COLD PATCH. ALL MILLING AND GABC WILL BE ROLLED AND COMPACTED TO HELP PREVENT THE MATERIAL FROM UNRAVELING.

- A. DRIVEWAYS
- B. ENTRANCES
- C. LOW VOLUME ACCESS RAMPS (IDENTIFIED IN THE CONTRACT DOCUMENTS)
- D. EDGE DROP-OFFS ADJACENT TO LIVE ROADWAY (LANE, SHOULDER, OR TURN LANE) AND THE PROPOSED ROAD CONSTRUCTION
- E. EDGE OF ROADWAY DROP-OFF

GRADING AND MAINTAINING BASE COURSE THAT IS BEING USED FOR ROADWAY WEDGE/FILLET BETWEEN TRAVEL LANES AND PAVEMENT BOX, EDGE OF TRAVEL WAY, DRIVEWAY OR ENTRANCE ACCESS SHALL BE INCIDENTAL TO ITEM NO. 801XXX - MAINTENANCE OF TRAFFIC. THE BASE COURSE MATERIAL SHALL BE PLACED AT NO GREATER THAN THE SLOPE SPECIFIED IN TABLE 6G-1 AND SHALL BE COMPACTED. EXCESS BASE COURSE MATERIAL SHALL BE PUSHED AHEAD AND USED IN THE NEXT SEGMENT AND SHALL BE INCIDENTAL TO THE PARTICULAR BASE COURSE PAY ITEM. NO SEPARATE PAYMENT SHALL BE MADE FOR MILLINGS OR GABC TEMPORARY ROADWAY MATERIAL (TRM) USED TO PROTECT EDGE DROP-OFFS, UNLESS THE MATERIAL IS EVENTUALLY UTILIZED AS PART OF A PERMANENT ROADWAY AT WHICH TIME THE MATERIAL WOULD BE PAID FOR UNDER THE RESPECTIVE CONTRACT MATERIAL ITEM. VERTICAL DIFFERENCES SHALL BE CORRECTED IN ACCORDANCE WITH TABLE 6G-1 OF THE DELAWARE MUTCD.

22. AFTER PAVEMENT MILLING, ALL TRANSVERSED VERTICAL DIFFERENCES, RAISED EDGES OF MANHOLES, DRAINAGE INLETS, WATER VALVE BOXES, ETC. SHALL BE RAMPED WITH BITUMINOUS CONCRETE TRM AT A 20:1 OR FLATTER SLOPE PRIOR TO OPENING THE ROADWAY TO TRAFFIC AND SHALL BE INCIDENTAL TO PAVEMENT MILLING. PAVEMENT MILLINGS OR COLD PATCH MATERIAL WILL NOT BE ALLOWED FOR THIS PURPOSE.

ALL ADJUSTMENTS SHALL BE MADE NOT MORE THAN SEVEN (7) CALENDAR DAYS PRIOR TO THE PLACEMENT OF THE FINAL COURSE OF BITUMINOUS CONCRETE, UNLESS DIRECTED BY THE

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ENGINEER. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

ALL BITUMINOUS CONCRETE TRM SHALL BE REMOVED PRIOR TO THE PAVING OPERATIONS. IF THE CONTRACTOR ELECTS TO ADJUST MANHOLES, DRAINAGE INLETS AND WATER VALVES AFTER THE FINAL COURSE OF PAVING, THIS WORK MUST BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS OF THE FINAL COURSE OF BITUMINOUS CONCRETE. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

23. THE CONTRACTOR SHALL TAKE CARE IN REMOVING PAVEMENT AROUND UTILITIES, BUTT JOINTS, CURBS, ETC. SO THAT EXISTING PAVEMENT BEYOND THE SPECIFIED DEPTHS IS NOT DAMAGED. ANY DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS MAY RESULT IN PLACING LEVELING COURSES AT THE CONTRACTOR'S EXPENSE. THE REMOVAL AND CLEAN UP OF THE HOT MIX RESIDUE WEDGE REMAINING AFTER MILLING OPERATIONS SHALL BE INCIDENTAL TO THE MILLING ITEM. THE REMOVAL OF EXISTING RAISED PAVEMENT MARKERS (RPM'S) SHALL BE INCIDENTAL TO THE APPLICABLE MILLING AND/OR RECLAMATION ITEMS.

24. TAPER MILLING IS INTENDED FOR MILLING IN THE AREA OF FIXED STRUCTURES (I.E. CURBS, MANHOLES, ETC.) THE MILLED DEPTH AT THE STRUCTURE SHALL BE THE DEPTH OF THE PROPOSED OVERLAY AND 0" AT A DISTANCE OF +/- 6 ½ FEET FROM THE STRUCTURE. THE COMPUTED DEPTH FOR PAYMENT PURPOSES IS THE AVERAGE OF THE TWO DEPTHS.

25. ON THIS CONTRACT FULL MILL AREAS WILL UTILIZE ITEM 760010 PAVEMENT MILLING, BITUMINUOUS CONCRETE PAVEMENT (SY-IN). UNLESS OTHERWISE NOTED, ALL MILLING LOCATIONS ARE EXPECTED TO BE MILLED AT A 2" DEPTH. FOR AVERAGE MILLING DEPTHS OF 0.5" TO AN AVERAGE MILLING DEPTH OF 2.25", THE FULL MILL AREAS WILL BE PAID AT AN AVERAGE 2".

26. MILLING OF BITUMINOUS PAVEMENT IN PREPARTION FOR OVERLAY IS TO INCLUDE MILLING EXISTING CONCRETE PATCHES AND/OR COMPOSITE PAVING AND SHOULD BE CONSIDERED INCIDENTAL TO ITEM 760010, PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT.

27. ALL MILLED MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE STATED.

28. AT LOCATIONS THAT HAVE PCC REPLACEMENT, PAVING MUST BE COMPLETED WITHIN 90

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GENERAL CONTRACT PLAN NOTES

CALENDAR DAYS FROM THE START OF THE PCC REPLACEMENT. BETWEEN OCTOBER 15TH AND NOVEMBER 30TH, PAVING MUST BE COMPLETED WITHIN 30 CALENDAR DAYS FROM THE START OF THE PCC REPLACEMENT. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

29. UPRIGHT PCC CURB UTILIZED FOR GRADE RETENTION 8" OR HIGHER WILL BE PAID AS 701013, TYPE 1-8 CURB.

30. EXCAVATION UP TO 2' IN FRONT OF CURB, ADA FACILITIES, AND DRAINAGE INLETS WILL BE INCIDENTAL TO THE CORRESPONDING ITEMS (701XXX, 705XXX, AND 602XXX). HOT MIX PLACED IN FRONT OF CURB WILL BE PAID UNDER ITEM 401XXX. USE OF CONCRETE AS FILL IN FRONT OF CURB WILL NOT BE ACCEPTED UNLESS DIRECTED BY THE ENGINEER. AT EACH LOCATION, BACKFILLING SHALL BE PERFORMED IMMEDIATELY UPON REMOVAL OF FORMS FOR CURB OR SIDEWALK. TOPSOIL, SEEDING, SEALING OF VALLEY GUTTERS, REMOVING OF FORMS, AND PARGING OF CATCH BASINS, SHALL BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS OF COMPLETION OF THE ITEM OF WORK. ITEM 908001, TOPSOIL, SHALL BE USED AS BACKFILL MATERIAL BEHIND CURB AND AROUND SIDEWALK OR/AS DIRECTED BY THE ENGINEER. TOPSOIL SHALL BE SCREENED/SIFTED SO AS NO MATERIAL GREATER THAN .5" SHOULD BE PRESENT IN MATERIAL USED FOR BACKFILL. EXCAVATED MATERIAL, NOT NEEDED ON THE PROJECT, SHALL BE REMOVED FROM THE CONTRACT AT THE CONTRACTORS EXPENSE. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH THE CHARGES CONTINUING TO BE ASSESSED.

31. AS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PARTIALLY SAW AND FILL EXISTING CRACKED CURB AND/OR SIDEWALK WITH AN APPROVED SEALER. THIS WORK WILL BE INCIDENTAL TO ITEM 762001 SAWCUT - CONCRETE FULL DEPTH.

32. PERTAINING TO PCC CURB REMOVAL & PATCHING, SAWCUTTING IS TO BE PERFORMED PRIOR TO THE REMOVAL OF BITUMINOUS CONCRETE UNLESS APPROVAL IS GIVEN BY THE ENGINEERS REPRESENTATIVE.

33. BEFORE THE START OF A DAY'S PAVEMENT MILLING OR PAVING OPERATIONS AND WHERE THERE IS EXISTING STRIPING, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE PROOF THAT SUFFICIENT APPROVED STRIPING MATERIALS ARE ON HAND TO ENSURE STRIPING IS COMPLETE BEFORE TRAFFIC IS RETURNED TO THE ROADWAY.

34. LANE CLOSURES ON 3-DIGIT MAINTENANCE ROADS ARE PERMITTED ONLY BETWEEN THE HOURS OF 9:00 AM AND 3:00 PM, MONDAY - FRIDAY. ANY VARIANCE SHALL REQUIRE DISTRICT SAFETY OFFICERS APPROVAL.

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35. ITEM 710370 STEEL CASING PIPE-4" IS DESIGNATED FOR NOW-DEFUNCT ITEM 718000 ROOF DRAIN. WHEN REPLACING OR EXTENDING ROOF DRAINS, SUMP PUMP DRAINS, ETC. FROM RIGHT-OF-WAY TO CURBLINE, ITEM 710370 WILL BE UTILIZED REGARDLESS OF PIPE MATERIAL OR SIZE.

36. GAS VALVE, MONUMENT BOX, AND LAMP HOLE ADJUSTMENTS WILL BE PAID AS 710002, WATER VALVE ADJUSTMENTS.

37. REMOVAL OF ANY UNSUITABLE MATERIALS INCLUDING ROOTS AND VEGETATIVE MATTER DISCOVERED WITHIN OR DIRECTLY BELOW THE TEMPLATE OF PCC / GRANITE CURB, PEDESTRIAN FACILITIES, AND/OR PCC / BRICK SIDEWALKS SHALL BE INCIDENTAL TO THE CORRESPONDING ITEM.

38. TRASH, RUBBISH, DEBRIS, OR BRUSH THAT HAMPERS REPAIR/MAINTENANCE WORK IN THIS CONTRACT (AS DETERMINED BY THE ENGINEER), SHALL BE REMOVED WITHIN THE PROJECT LIMITS AND SHALL BE INCIDENTAL TO PAY ITEM 763000 (INITIAL EXPENSE/DEMobilIZATION).

39. CLEARING AND GRUBBING INCLUDES OBTAINING WIDTH AND HEIGHT REQUIREMENTS FOR PAR AND CLEARING OF SIGHT DISTANCE (INCLUDING EXISTING FACILITIES AND SIGNS). CLEARING AND GRUBBING OF TREES, SHRUBS AND OTHER VEGETATION LESS THAN 6" IN DIAMETER SHALL BE INCIDENTAL TO ITEM 763000 (INITIAL EXPENSE/DEMobilIZATION).

40. GRASS AND SOIL AREAS WITHIN THE STATE RIGHT-OF-WAY AND ADJACENT PRIVATE PROPERTY THAT HAS BEEN DAMAGED DURING CONTRACT OPERATIONS SHALL BE RESTORED WITH TOPSOIL, SEED AND MULCH AT THE CONTRACTOR'S EXPENSE. WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE REQUIREMENTS FOR ITEM 908001 (TOPSOIL), ITEM 908016 (PERMANENT GRASS SEEDING SUBDIVISION), AND ITEM 908020 (EROSION CONTROL BLANKET MULCH). REPAIRS MUST BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS OF NOTIFICATION. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

SECTION 800

41. MESSAGE BOARDS SHALL BE PLACED 10 DAYS IN ADVANCE OF THE WORK AND SHALL REMAIN IN PLACE FOR 5 DAYS AFTER THE START OF WORK. LOCATIONS OF MESSAGE BOARDS AND MESSAGES DISPLAYED SHALL BE REVIEWED AND APPROVED BY THE DISTRICT SAFETY OFFICER.

42. AT EACH LOCATION, THE CONTRACTOR SHALL NOTE ALL EXISTING PAVEMENT MARKINGS AND SUBMIT A DRAWING WHICH DEPICTS THE STRIPING PATTERN TO THE DEPARTMENT PRIOR TO THE START OF ANY WORK AT THE LOCATION.

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AT THE END OF EACH DAY'S OPERATION AND BEFORE TRAFFIC IS RETURNED TO UNRESTRICTED ROADWAY USE, TEMPORARY MARKINGS SHALL BE UTILIZED AT LOCATIONS THAT REQUIRE PERMANENT MARKING. TEMPORARY PAVEMENT STRIPING MUST MATCH PERMANENT PAVEMENT STRIPING IN ALL REGARDS.

TEMPORARY PAVEMENT MARKINGS SHALL BE PAID AT THE APPLICABLE CONTRACT UNIT PRICE. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE TEMPORARY MARKINGS IN GOOD CONDITION SUCH THAT THE PAVEMENT IS PROPERLY DELINEATED AT ALL TIMES. ANY REFRESHING OF THE TEMPORARY MARKINGS WILL BE AT THE CONTRACTOR'S EXPENSE.

FINAL PAVEMENT MARKINGS SHALL CONFORM TO ALL EXISTING PATTERNS AND SHALL BE PLACED WITHIN FIVE (5) CALENDER DAYS (MAXIMUM) AFTER PLACEMENT OF THE FINAL COURSE OF BITUMINOUS CONCRETE. IF THE CONTRACTOR FAILS TO DOCUMENT THE EXISTING PAVEMENT MARKINGS IN AN ACCEPTABLE MANNER, HE SHALL BE REQUIRED TO PROVIDE AT HIS OWN EXPENSE, A NEW PAVEMENT MARKING PLAN SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF DELAWARE.

ANY ERRONEOUS MARKING WILL NOT BE PAID FOR AND SHALL BE CORRECTED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. ERRONEOUS MARKINGS OR SHADOWS THAT EXCEED ONE (1) INCH IN WIDTH SHALL BE REMOVED BY EITHER SAND OR WATER BLASTING. NO OTHER REMOVAL METHODS WILL BE ALLOWED. A FLAT BLACK PAINT OR DRIVEWAY SEALER SHALL BE APPLIED IN THE AREA OF THE REMOVED MARKING TO MASK THE REPAIR. ANY DAMAGE TO THE PAVEMENT CAUSED BY REMOVAL OF ERRONEOUS MARKINGS SHALL BE REPAIRED / REPLACED TO THE SATISFACTION OF THE ENGINEER. FAILURE TO COMPLY WILL RESULT IN SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

43. THE CONTRACTOR, WITH THE ENGINEER, SHALL INVENTORY ALL SIGNS ON ALL ROADS SUBJECT TO IMPROVEMENTS. NECESSARY SIGNS SHALL BE MAINTAINED IN OPERATION DURING CONSTRUCTION AND ANY OTHER SIGNS SHALL BE PROPERLY STORED WITH THE CONTRACTOR, WHO SHALL BE RESPONSIBLE FOR LOSS OR DAMAGE. IMMEDIATELY PRIOR TO FINAL INSPECTION, THE CONTRACTOR AND ENGINEER SHALL AGAIN INVENTORY THE TRAFFIC SIGNS AND ACCOUNT FOR ANY LOST OR DAMAGED SIGNS. LOST OR DAMAGED SIGNS, AT THE DISCRETION OF THE ENGINEER SHALL BE REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.

44. REGULATORY SIGNS REMOVED MUST BE REINSTALLED THE SAME DAY. IN ABSENCE OF A

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GENERAL CONTRACT PLAN NOTES

SIGN SCHEDULE, INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) AND SIGN POST(S) WILL BE PAID AS 819018. THIS ITEM WILL BE PAID ONE TIME PER POST AFTER FINAL INSTALLATION.

45. A FORMAL DETOUR WILL NOT BE NECESSARY ON THIS CONTRACT. THE CONTRACTOR MUST MAINTAIN LOCAL TRAFFIC WITHIN THE PROJECT LIMITS UTILIZING FLAGGERS. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND/OR LANE SHIFTS SHALL CONFORM TO TYPICAL APPLICATIONS OF THE DELAWARE MUTCD. ANY VARIANCE SHALL REQUIRE DISTRICT SAFETY OFFICERS APPROVAL.

46. BEFORE WORK IS DONE AT ANY LOCATION, THE APPROPRIATE DISTRICT SAFETY OFFICER MUST APPROVE THE MOT FOR THAT LOCATION TWO WEEKS IN ADVANCE. ANY ANTICIPATED IMPACT TO TRAFFIC SIGNALS MUST BE REVIEWED BY THE DELDOT TRAFFIC SECTION PRIOR TO CONSTRUCTION. THEY CAN BE CONTACTED AT 302-659-4061.

47. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN, INCLUDING PEDESTRIAN AND BICYCLE FACILITIES, AS WELL AS THE NECESSARY NCHRP 350, THE MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) CERTIFICATIONS, OR DELDOTS APPROVED PRODUCTS LIST (APL) FOR ALL DEVICES THAT WILL BE UTILIZED, FOR EACH LOCATION BEFORE THE START OF THE PRE-CONSTRUCTION MEETING. WRITTEN APPROVAL MUST BE RECEIVED BEFORE THE START OF WORK AT EACH AND EVERY LOCATION.

48. ALL TRAFFIC CONTROL DEVICES SHALL BE IN NEW OR REFURBISHED CONDITION AND SHALL BE IN COMPLIANCE WITH THE NCHRP 350, THE MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) CERTIFICATIONS, OR DELDOTS APPROVED PRODUCTS LIST (APL). THE DEVICES SHALL BE APPROVED BY THE SAFETY SECTION PRIOR TO USE AND SHALL BE MAINTAINED IN GOOD CONDITION FOR THE DURATION OF THE CONTRACT.

49. ALL WORK SHALL BE PERFORMED IN A MANNER THAT WILL REASONABLY PROVIDE THE LEAST PRACTICABLE OBSTRUCTION TO ALL ROAD USERS, INCLUDING VEHICULAR, PEDESTRIAN AND BICYCLE TRAFFIC, AND SHALL CONFORM TO THE REQUIREMENTS OF THE 2011 DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART 6, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT FOR BIDS.

50. CURB RAMP AND/OR SIDEWALK CONSTRUCTION (NOT INCLUDING MEDIAN ISLANDS) SHALL BE COMPLETED DURING A SINGLE OPERATION. THE RAMP/SIDEWALK SHALL BE REMOVED AND PLACED BACK THE SAME NIGHT/DAY AND OPEN TO PEDESTRIAN TRAFFIC THE FOLLOWING DAY. THE USE OF A MONOLITHIC POUR SHALL BE PERMITTED WITH A BOND BREAKER TO BE PLACED AT THE BACK OF THE CURB AND EDGE OF SIDEWALK. IF THE CURB RAMP/SIDEWALK CANNOT BE COMPLETED IN A SINGLE OPERATION THE EXCAVATED AREA MUST BE TEMPORARILY BACKFILLED TO GRADE WITH COMPACTED MILLING MATERIAL ONLY. THIS TEMPORARY MATERIAL WILL BE INCIDENTAL TO THE CURB RAMP ITEM. THE DRESSING UP OF THE AREA BEING PAID AS A CURB RAMP WITH TOPSOIL AND SEED WILL BE PAID AT CONTRACT UNIT

GENERAL CONTRACT PLAN NOTES

PRICES. THE CONTRACTOR SHALL MAINTAIN ACCESS TO AND ALONG PEDESTRIAN FACILITIES AT ALL TIMES DURING CONSTRUCTION. EARTH, STONE AND GRAVEL SURFACES ARE NOT ACCEPTABLE FOR PROVIDING PEDESTRIAN ACCESS. IF CURB RAMP CANNOT BE COMPLETED IN A SINGLE OPERATION AND PEDESTRIAN ROUTES ARE CLOSED OR BLOCKED, ALTERNATE PEDESTRIAN ACCESS SHALL BE PROVIDED USING TA-28 AND/OR TA-29 OF THE 2011 DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES OR TO THE SATISFACTION OF THE ENGINEER. PEDESTRIAN DETOUR ROUTES OR ALTERNATE PEDESTRIAN FACILITIES SHALL CONSIST OF ADA COMPLIANT FACILITIES TO THE LEVEL OF WHICH EXISTS ON THE PEDESTRIAN ROUTE. THE COST FOR ANY PROVISIONS SHALL BE INCIDENTAL TO ITEM 801500 - MAINTENANCE OF TRAFFIC - ALL INCLUSIVE.

PEDESTRIAN MAINTENANCE OF TRAFFIC: THIS WORK SHALL CONSIST OF PROVIDING AND MAINTAINING AN ACCESSIBLE PEDESTRIAN ROUTE THROUGHOUT THE PROJECT'S LIMITS IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT OF 1990 (ADA) TITLE II, PARAGRAPH 35.130.

THE CONTRACTOR SHALL BE REQUIRED TO REVIEW EACH CURB RAMP LOCATION AND SUBMIT THE APPROPRIATE MAINTENANCE OF TRAFFIC DETAIL AND DEVICES TO THE ENGINEER FOR EACH LOCATION AT LEAST 2-WEEKS BEFORE CONSTRUCTION FOR REVIEW, COMMENT, AND APPROVAL BY THE DISTRICT SAFETY OFFICER.

THE FOLLOWING CONSIDERATIONS SHALL BE TAKEN INTO ACCOUNT WHEN ADDRESSING ACCESSIBLE PEDESTRIAN MAINTENANCE OF TRAFFIC:

- ALL PEDESTRIANS, INCLUDING PERSONS WITH DISABILITIES, SHALL BE PROVIDED WITH A REASONABLY SAFE, CONVENIENT AND ACCESSIBLE PATH THAT REPLICATES AS MUCH AS PRACTICABLE THE EXISTING PEDESTRIAN FACILITIES.
- MAINTAIN ACCESS TO ALL BUSINESS AND RESIDENTS AT ALL TIMES.
- PROVIDE PEDESTRIAN ACCESS THRU OR AROUND THE WORK ZONE. IF A DETOUR IS CHOSEN THE CONTRACTOR MUST SUBMIT THE DETOUR ROUTE TO THE ENGINEER FOR REVIEW AND APPROVAL. THE DETOUR ROUTE MUST MEET OR EXCEED THE CURRENT CONDITIONS.
- WORK SHOULD BE PHASED SO THAT ALL AREAS OF AN INTERSECTION/SIDEWALK PATH ARE NOT UNDER CONSTRUCTION AT THE SAME TIME UNLESS A CLEAR PATH IS PROVIDED AND IDENTIFIED.
- TRAFFIC CONTROL DEVICES AND OTHER CONSTRUCTION MATERIALS AND FEATURES SHALL NOT INTRUDE INTO THE USABLE WIDTH OF THE SIDEWALK, TEMPORARY PATHWAY OR OTHER PEDESTRIAN FACILITY.
- SIGNS AND OTHER DEVICES MOUNTED LOWER THAN 7 FT ABOVE THE TEMPORARY

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PEDESTRIAN PATHWAY SHALL NOT PROJECT MORE THAN 4 IN. INTO ACCESSIBLE PEDESTRIAN ROUTE.

- A SMOOTH, CONTINUOUS HARD SURFACE SHALL BE PROVIDED THROUGHOUT THE ENTIRE LENGTH AND WIDTH OF THE PEDESTRIAN ROUTE THROUGHOUT CONSTRUCTION. THERE SHALL BE NO CURBS OR VERTICAL ELEVATION CHANGES GREATER THAN ¼ IN. IN GRADE OR TERRAIN THAT COULD CAUSE TRIPPING OR BE A BARRIER TO WHEELCHAIR USE.

SECTION 900

51. EROSION CONTROL MULCH BLANKET SHALL BE USED IN ALL DISTURBED AREAS UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

ADDITIONAL PROJECT NOTES

52. UNDERGROUND UTILITIES MAY BE PRESENT AT ALL LOCATIONS. THEREFORE, ALL STANDARD PRACTICES AND PROCEDURES REGARDING UTILITIES SHALL BE FOLLOWED. THE CONTRACTOR SHALL CONTACT MISS UTILITY OF DELAWARE PRIOR TO STARTING WORK. THE CONTRACTOR IS RESPONSIBLE FOR THE SUPPORT AND PROTECTION OF ALL UTILITIES WHEN EXCAVATING WHICH SHALL BE INCIDENTAL TO THE RESPECTIVE EXCAVATION ITEM(S). THE CONTRACTOR IS RESPONSIBLE FOR ENSURING PROPER CLEARANCES, INCLUDING SAFETY CLEARANCES, FROM OVERHEAD UTILITIES FOR CONSTRUCTION EQUIPMENT. THE CONTRACTOR IS ADVISED TO CHECK THE SITE FOR ACCESS PURPOSES FOR THEIR EQUIPMENT AND MAKE ARRANGEMENTS DIRECTLY WITH THE UTILITY COMPANIES FOR FIELD ADJUSTMENTS FOR ADEQUATE CLEARANCES, IF NECESSARY.

53. NO UTILITY RELOCATION INVOLVEMENT IS ANTICIPATED. SHOULD ANY CONFLICTS BE ENCOUNTERED DURING CONSTRUCTION REQUIRING ADJUSTMENT AND/OR RELOCATION OF THE AGENCIES' EXISTING FACILITIES, THE NECESSARY RELOCATION WORK SHALL BE ACCOMPLISHED BY THE RESPECTIVE AGENCIES' FORCES, AS DIRECTED BY THE DISTRICT ENGINEER. ANY ADJUSTMENTS AND/OR RELOCATIONS OF MUNICIPALLY OWNED FACILITIES SHALL BE DONE BY THE STATE'S CONTRACTOR IN ACCORDANCE WITH THE RESPECTIVE AGENCIES' STANDARD SPECIFICATIONS AS DIRECTED BY THE DISTRICT ENGINEER.

54. NO ENVIRONMENTAL PERMITS ARE REQUIRED FOR THIS WORK PROVIDED NO JURISDICTIONAL WETLANDS OR WATERS ARE IMPACTED. IF THERE IS ANY QUESTION AS TO WHETHER OR NOT A WATER OR WETLAND IS JURISDICTIONAL, CONTACT THE DEL DOT ENVIRONMENTAL SECTION AT 302-760-2264.

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GENERAL CONTRACT PLAN NOTES

55. IT IS ANTICIPATED THAT ALL WORK WILL OCCUR WITHIN DELDOT'S EXISTING RIGHT OF WAY OR EASEMENT AREAS. SHOULD THE NEED OCCUR TO TRESPASS ONTO PRIVATE PROPERTY; IT WILL BE THE RESPONSIBILITY OF THE PROJECT MANAGER TO SECURE SUCH TRESPASS NEEDS.

56. NO WORK NEAR OR WITHIN RAILROAD RIGHT-OF-WAY IS ANTICIPATED. IF ANY RAILROAD PROPERTY OR FACILITIES ARE NEAR OR WITHIN THE PROPOSED LIMITS OF WORK OR IF THE PROPOSED WORK ENCROACHES UPON THE RAILROAD'S RIGHT-OF-WAY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE REQUIRED CLEARANCES AND INSURANCES FOR EACH INVOLVED RAILROAD IN ACCORDANCE WITH THE APPROPRIATE DELDOT MAINTENANCE OF RAILROAD TRAFFIC ITEM. DELDOT'S RAILROAD SECTION MANAGER MUST BE CONTACTED AT (302) 760-2183 TO COORDINATE THE EXECUTION OF THE APPROPRIATE AGREEMENTS AND AUTHORIZATIONS REQUIRED FROM ANY RAILROAD COMPANY INVOLVED, INCLUDING COORDINATION FOR RAILROAD FLAGGING, IF NECESSARY.

57. THE PROJECT MANAGER SHALL BE RESPONSIBLE FOR COORDINATING WITH THE TRAFFIC SECTION RELATING TO ANY IMPACTS TO TRAFFIC SECTION FACILITIES (INCLUDING BUT NOT LIMITED TO TRAFFIC LOOPS, JUNCTION WELLS ETC.) AT LEAST 4 WEEKS IN ADVANCE OF THE START OF THE ACTIVITY. PRIOR TO INITIATING ANY WORK ON THIS CONTRACT (OR SITES), THE PROJECT MANAGER SHALL BE RESPONSIBLE FOR PREPARING AND SUBMITTING FOR APPROVAL OF THE SAFETY SECTION, A MAINTENANCE OF TRAFFIC PLAN. SUFFICIENT TIME SHALL BE PROVIDED FOR THE REVIEW AND APPROVAL OF THE PLAN. THE MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE PROPOSED TIME RESTRICTIONS ON THE CLOSURE OF TRAVEL LANES SUBJECT TO THE APPROVAL OF THE SAFETY SECTION. TRAFFIC LOOPS MUST BE PUT BACK WITHIN 7 DAYS OF PAVING, FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

58. THE DEPARTMENT RESERVES THE RIGHT TO REQUEST AN EXTENSION OF THIS CONTRACT, WITH THE AGREEMENT OF THE CONTRACTOR, AT THE CURRENT CONTRACT PRICES.

October 2024

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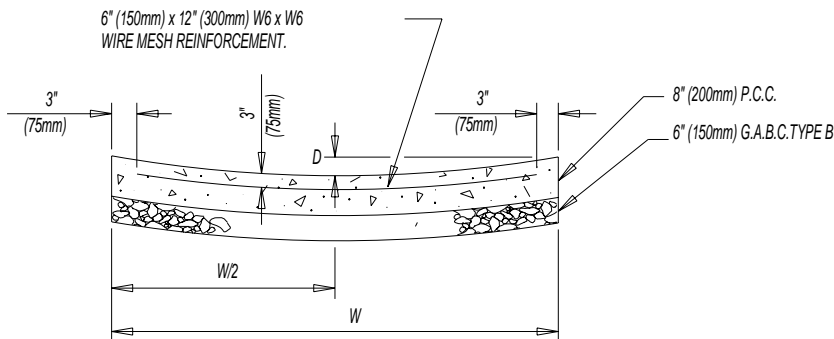
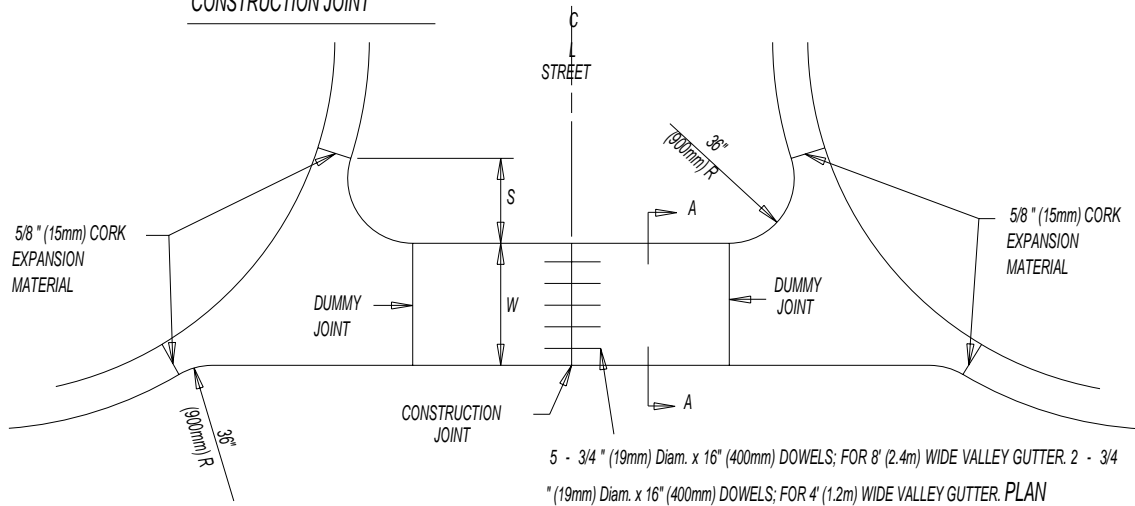
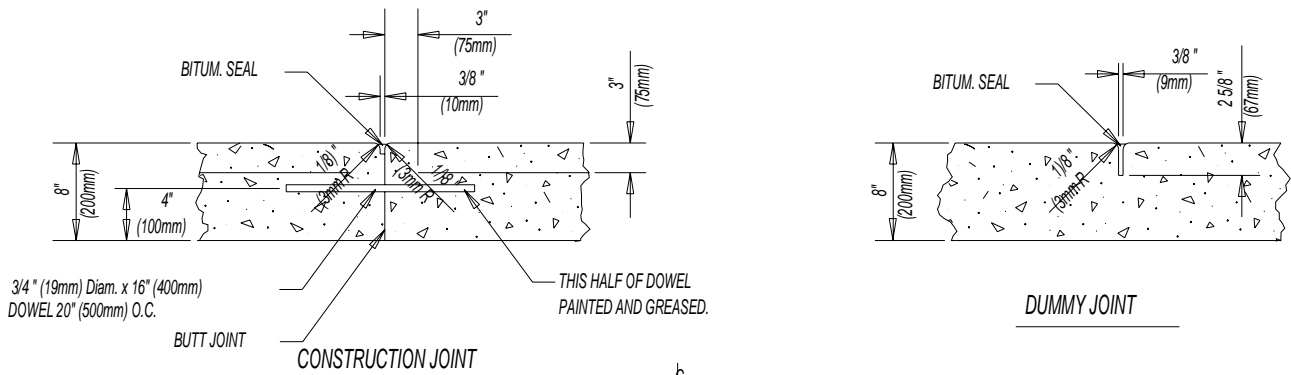
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CANAL

Contract is for various locations throughout New Castle County.

DETAILS SHEET



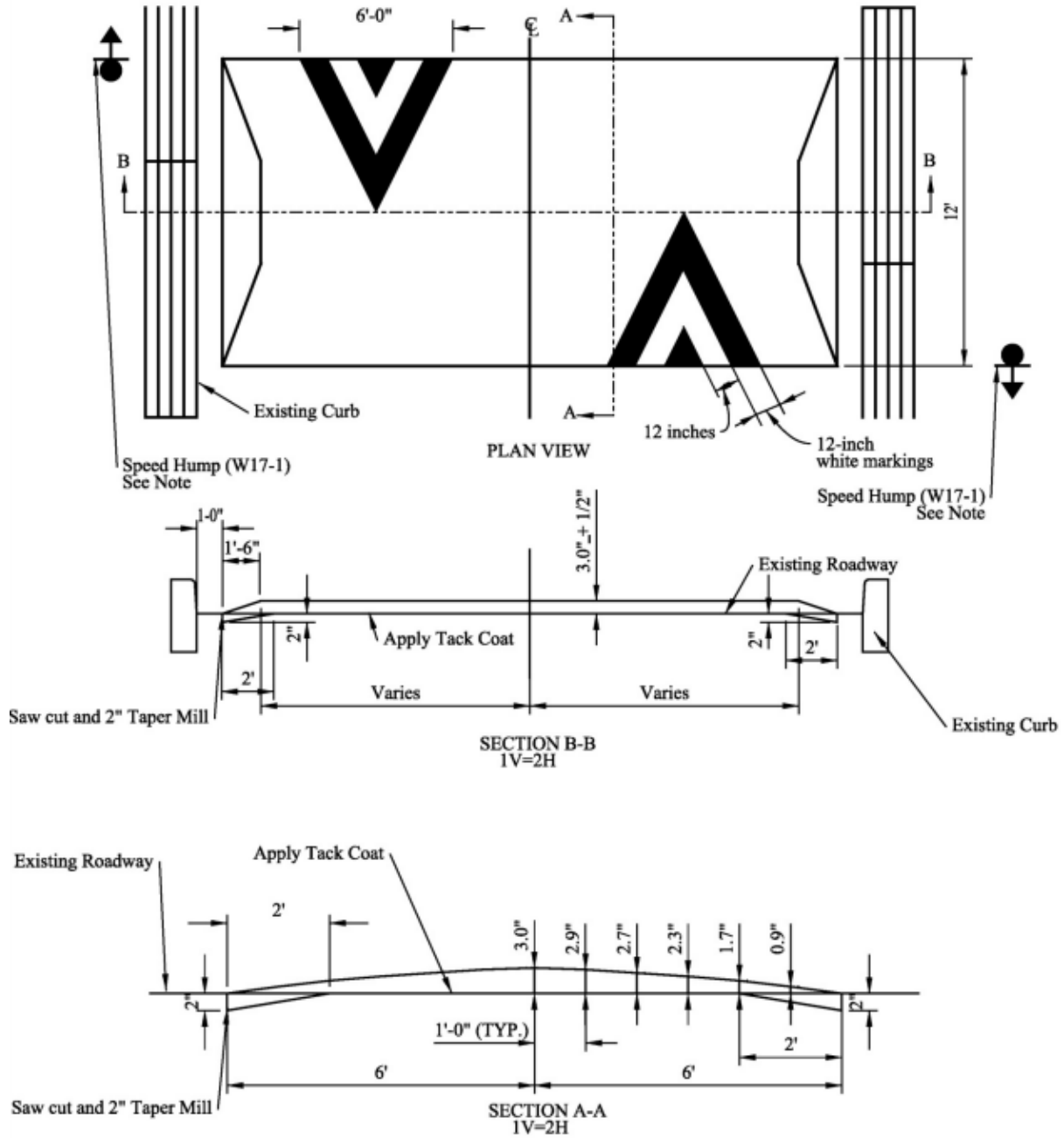
WIDTH W	DEPTH D	OFFSET S
8' (2.4m)	3" (75mm)	16" (405mm)
4' (1.2m)	1 1/2" (38mm)	23 1/2" (585mm)

CANAL

Contract is for various locations throughout New Castle County.

DETAILS SHEET

SPEED HUMP



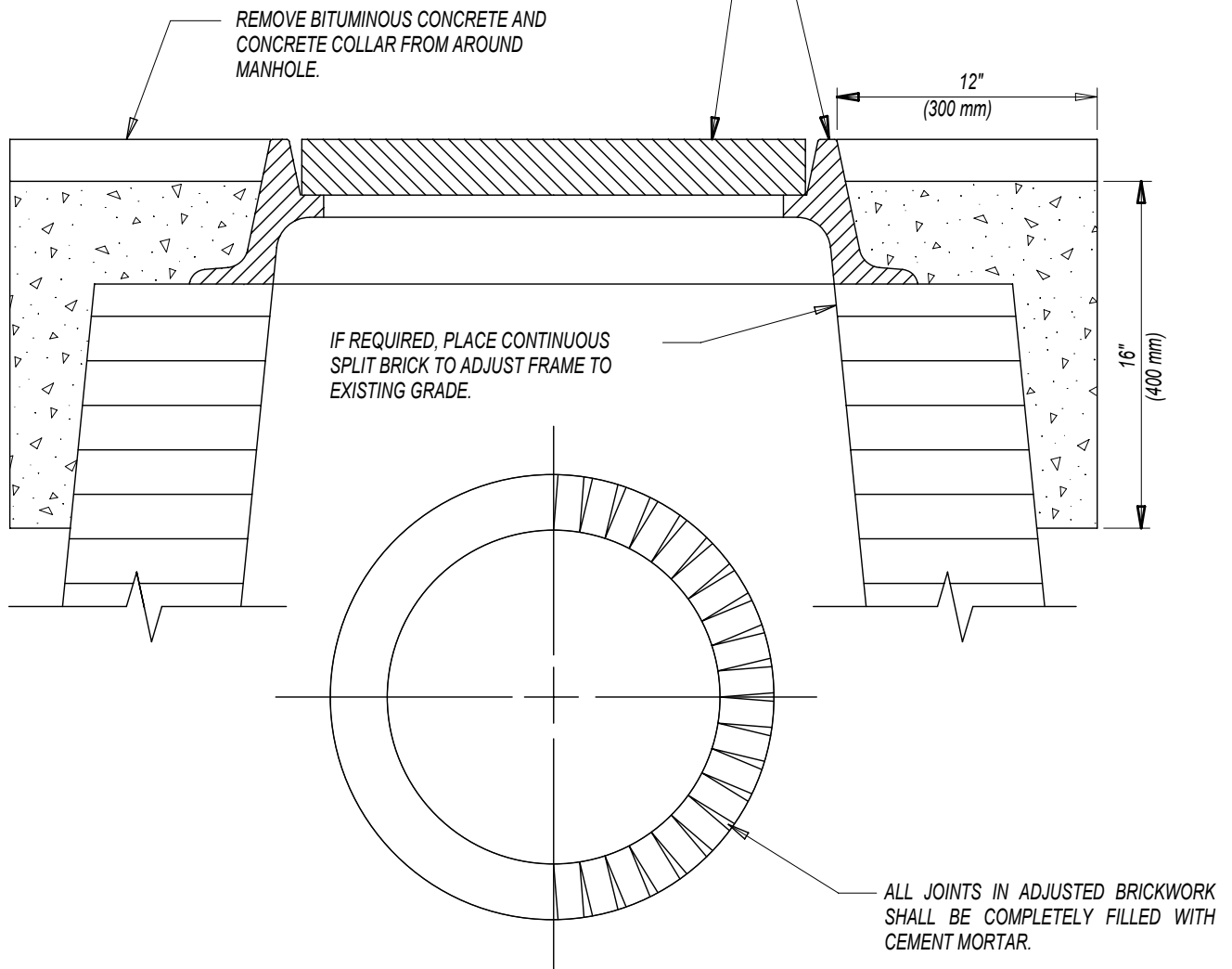
NOTE:
1. ALL SIGNING AND STRIPING SHALL CONFORM TO THE LATEST EDITION OF THE DE MUTCD.

CANAL

Contract is for various locations throughout New Castle County.

DETAILS SHEET

REMOVE AND DISPOSE OF EXISTING FRAME AND COVER AS DIRECTED BY OWNER IF NOT UTILIZED IN THE ADJUSTMENT.
PLACE NEW OR EXISTING FRAME AND COVER (AS REQUIRED).
TO CORRECT ELEVATION, RECOLLAR AND PLACE BITUMINOUS CONCRETE PATCH. NEW FRAME AND COVER (IF REQUIRED) TO BE PROVIDED BY OWNER.



ADJUSTING AND REPAIRING MANHOLE

N.T.S.

NOTE: MANHOLES IN CONCRETE ROADWAYS SHALL BE SAWCUT FULL DEPTH TO THE SPECIFIED DIMENSION PRIOR TO ANY ADJUSTMENT BEING MADE. THE SAWCUTTING SHALL BE INCIDENTAL TO ITEM 602132.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 1 BIRCHWOOD PARK - KINGSWOOD ROAD FROM BIRCHWOOD DRIVE TO SOUTH GERALD DRIVE

LENGTH 295.6560 m 970.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ BIRCHWOOD; 2 RAMPS @ SOUTH GERALD

MATERIAL ESTIMATE FOR LOCATION 1

202000	EXCAVATION AND EMBANKMENT	35.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	235.00	S.Y.
301001	GABC	17.00	C.Y.
301002	GABC, PATCHING	40.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	300.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	132.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	40.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	176.00	L.F.
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	5.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	3.00	EACH
701013	PCC CURB, TYPE 1-8	8.00	L.F.
701018	I.PCC CURB AND GUTTER, TYPE 1-8	20.00	L.F.
701019	I.PCC CURB AND GUTTER, TYPE 2	650.00	L.F.
705001	PCC SIDEWALK, 4"	260.00	S.F.
705002	PCC SIDEWALK, 6"	520.00	S.F.
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	40.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	120.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	800.00	S.F.
710370	STEEL CASING PIPE, 4"	10.00	L.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	4,800.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	975.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	98.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	253.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	26.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	2.00	EACH

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 2 BREEZEWOOD - UPLAND COURT FROM SKYWARD DRIVE SOUTH TO END

LENGTH 615.6960 m 2020.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ SKYWARD; 4 RAMPS @ UPLAND

MATERIAL ESTIMATE FOR LOCATION 2

202000	EXCAVATION AND EMBANKMENT	60.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	476.00	S.Y.
301001	GABC	34.00	C.Y.
301002	GABC, PATCHING	80.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	50.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	266.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	75.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	440.00	L.F.
602100	DRAINAGE INLET GRATE(S)	5.00	EACH
602101	DRAINAGE INLET FRAME(S)	3.00	EACH
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	5.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	11.00	EACH
701013	PCC CURB, TYPE 1-8	12.00	L.F.
701019	I.PCC CURB AND GUTTER, TYPE 2	1,320.00	L.F.
705001	PCC SIDEWALK, 4"	528.00	S.F.
705002	PCC SIDEWALK, 6"	1,056.00	S.F.
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	60.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	180.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	1,200.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	10,400.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	1,980.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	198.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	467.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	49.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	6.00	EACH
908001	TOPSOIL	77.00	TON

DELAWARE DEPARTMENT OF TRANSPORTATION

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 2 **BREEZEWOOD - UPLAND COURT FROM SKYWARD DRIVE SOUTH TO END**

LENGTH 615.6960 m 2020.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ SKYWARD; 4 RAMPS @ UPLAND

MATERIAL ESTIMATE FOR LOCATION 2

908016	PERMANENT GRASS SEEDING, SUBDIVISION	461.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	461.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 3 BROOKHAVEN - SPRING LAKE DRIVE FROM OLD HARMONY ROAD TO GREEN RIDGE ROAD

LENGTH 810.7680 m 2660.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ OLD HARMONY; 4 RAMPS @ 4 RAMPS @ DARBY; 4 RAMPS @ BROOKMEADE

MATERIAL ESTIMATE FOR LOCATION 3

202000	EXCAVATION AND EMBANKMENT	90.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	721.00	S.Y.
301001	GABC	51.00	C.Y.
301002	GABC, PATCHING	121.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	1,000.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	402.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	120.00	TON
401506	SPEED HUMP	152.00	L.F.
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	900.00	L.F.
602100	DRAINAGE INLET GRATE(S)	10.00	EACH
602101	DRAINAGE INLET FRAME(S)	5.00	EACH
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	9.00	EACH
602131	ADJUSTING AND REPAIRING EXISTING DOUBLE DRAINAGE INLET	1.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	11.00	EACH
701013	PCC CURB, TYPE 1-8	20.00	L.F.
701018	I.PCC CURB AND GUTTER, TYPE 1-8	20.00	L.F.
701019	I.PCC CURB AND GUTTER, TYPE 2	2,000.00	L.F.
705001	PCC SIDEWALK, 4"	800.00	S.F.
705002	PCC SIDEWALK, 6"	1,600.00	S.F.
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	100.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	300.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	2,000.00	S.F.
710002	ADJUST WATER VALVE BOXES	2.00	EACH
710370	STEEL CASING PIPE, 4"	30.00	L.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	16,000.00	SY-IN

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 3 **BROOKHAVEN - SPRING LAKE DRIVE FROM OLD HARMONY ROAD TO GREEN RIDGE ROAD**

LENGTH 810.7680 m 2660.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ OLD HARMONY; 4 RAMPS @ 4 RAMPS @ DARBY; 4 RAMPS @ BROOKMEADE

MATERIAL ESTIMATE FOR LOCATION 3

762000	SAW CUTTING, BITUMINOUS CONCRETE	3,000.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	300.00	L.F.
802003	ARROW PANELS TYPE C	6.00	EA-DY
808002	PROVIDE AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	6.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY	965.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	101.00	HOUR
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	33.00	S.F.
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	15.00	EACH
908001	TOPSOIL	120.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	720.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	720.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 4 BROOKSIDE PARK - KULLEN DRIVE FROM KENMAR DRIVE TO KENMAR DRIVE

LENGTH 579.1200 m 1900.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ KENMAR; 2 RAMPS IN CUL-DE-SAC; 2 RAMPS @ KENMAR

MATERIAL ESTIMATE FOR LOCATION 4

202000	EXCAVATION AND EMBANKMENT	60.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	303.00	S.Y.
301001	GABC	22.00	C.Y.
301002	GABC, PATCHING	51.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	625.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	170.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	115.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	280.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	3.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	6.00	EACH
701013	PCC CURB, TYPE 1-8	12.00	L.F.
701018	I.PCC CURB AND GUTTER, TYPE 1-8	20.00	L.F.
701019	I.PCC CURB AND GUTTER, TYPE 2	840.00	L.F.
705001	PCC SIDEWALK, 4"	336.00	S.F.
705002	PCC SIDEWALK, 6"	672.00	S.F.
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	60.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	180.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	1,200.00	S.F.
710002	ADJUST WATER VALVE BOXES	1.00	EACH
710370	STEEL CASING PIPE, 4"	10.00	L.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	9,300.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	315.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	1,260.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	126.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	453.00	HOUR

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 4 **BROOKSIDE PARK - KULLEN DRIVE FROM KENMAR DRIVE TO KENMAR DRIVE**

LENGTH 579.1200 m 1900.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ KENMAR; 2 RAMPS IN CUL-DE-SAC; 2 RAMPS @ KENMAR

MATERIAL ESTIMATE FOR LOCATION 4

811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	48.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	3.00	EACH
908001	TOPSOIL	58.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	346.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	346.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 5 CHESTNUT HILL ESTATES - ROBERTS ROAD FROM AUGUSTA DRIVE TO CAROLE ROAD

LENGTH 79.2480 m 260.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ AUGUSTA; 2 RAMPS @ CAROLE

MATERIAL ESTIMATE FOR LOCATION 5

202000	EXCAVATION AND EMBANKMENT	25.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	173.00	S.Y.
301001	GABC	18.00	C.Y.
301002	GABC, PATCHING	21.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	100.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	62.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	15.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	282.00	L.F.
501001	PCC PAVEMENT, 8"	100.00	S.Y.
701013	PCC CURB, TYPE 1-8	8.00	L.F.
701019	I.PCC CURB AND GUTTER, TYPE 2	200.00	L.F.
705001	PCC SIDEWALK, 4"	80.00	S.F.
705002	PCC SIDEWALK, 6"	160.00	S.F.
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	40.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	120.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	800.00	S.F.
710002	ADJUST WATER VALVE BOXES	2.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	1,600.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	600.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	60.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	137.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	16.00	HOUR
908001	TOPSOIL	32.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	192.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	192.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 6 CHESTNUT HILL ESTATES - STEPHEN DRIVE WEST FROM AUGUSTA DRIVE TO GRANVILLE LANE

LENGTH 472.4400 m 1550.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

ESTIMATE INCLUDES "Y" @ CAROLE AND INTERSECTION W/ GRANVILLE - 2 RAMPS @ AUGUSTA; 4 RAMPS @ CAROLE; 4 RAMPS @ GRANVILLE

MATERIAL ESTIMATE FOR LOCATION 6

202000	EXCAVATION AND EMBANKMENT	80.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	515.00	S.Y.
301001	GABC	42.00	C.Y.
301002	GABC, PATCHING	77.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	600.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	261.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	125.00	TON
401506	SPEED HUMP	78.00	L.F.
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	732.00	L.F.
501001	PCC PAVEMENT, 8"	96.00	S.Y.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	4.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	5.00	EACH
701013	PCC CURB, TYPE 1-8	120.00	L.F.
701018	I.PCC CURB AND GUTTER, TYPE 1-8	20.00	L.F.
701019	I.PCC CURB AND GUTTER, TYPE 2	1,100.00	L.F.
705001	PCC SIDEWALK, 4"	440.00	S.F.
705002	PCC SIDEWALK, 6"	880.00	S.F.
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	100.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	300.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	2,000.00	S.F.
710002	ADJUST WATER VALVE BOXES	4.00	EACH
710370	STEEL CASING PIPE, 4"	30.00	L.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	9,600.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	2,088.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	212.00	L.F.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 6 **CHESTNUT HILL ESTATES - STEPHEN DRIVE WEST FROM AUGUSTA DRIVE
TO GRANVILLE LANE**

LENGTH 472.4400 m 1550.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

ESTIMATE INCLUDES "Y" @ CAROLE AND INTERSECTION W/ GRANVILLE - 2 RAMPS @ AUGUSTA; 4 RAMPS @ CAROLE; 4 RAMPS @ GRANVILLE

MATERIAL ESTIMATE FOR LOCATION 6

811001	FLAGGER, NEW CASTLE COUNTY	629.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	67.00	HOUR
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	33.00	S.F.
819018	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	3.00	EACH
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	5.00	EACH
908001	TOPSOIL	96.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	574.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	574.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 7 GREEN VALLEY - GREEN LANE FROM FOURTH STREET TO E GREEN VALLEY CIRCLE

LENGTH 362.7120 m 1190.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ GREEN VALLEY

MATERIAL ESTIMATE FOR LOCATION 7

202000	EXCAVATION AND EMBANKMENT	35.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	209.00	S.Y.
301001	GABC	14.00	C.Y.
301002	GABC, PATCHING	34.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	390.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	132.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	50.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	280.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	7.00	EACH
701013	PCC CURB, TYPE 1-8	4.00	L.F.
701023	I.PCC CURB AND GUTTER, TYPE 3-8	650.00	L.F.
705001	PCC SIDEWALK, 4"	260.00	S.F.
705002	PCC SIDEWALK, 6"	520.00	S.F.
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	20.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	60.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	400.00	S.F.
710002	ADJUST WATER VALVE BOXES	3.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	5,820.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	160.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	975.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	91.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	282.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	29.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	8.00	EACH
908001	TOPSOIL	34.00	TON

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 7 GREEN VALLEY - GREEN LANE FROM FOURTH STREET TO E GREEN VALLEY CIRCLE

LENGTH 362.7120 m 1190.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ GREEN VALLEY

MATERIAL ESTIMATE FOR LOCATION 7

908016	PERMANENT GRASS SEEDING, SUBDIVISION	204.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	204.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 8 GREENBRIDGE - CARNEGIE COURT FROM GREENBRIDGE DRIVE TO END

LENGTH 97.5360 m 320.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ GREENBRIDGE

MATERIAL ESTIMATE FOR LOCATION 8

202000	EXCAVATION AND EMBANKMENT	10.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	62.00	S.Y.
301001	GABC	5.00	C.Y.
301002	GABC, PATCHING	11.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	170.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	36.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	15.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	111.00	L.F.
602102	MANHOLE COVER(S)	1.00	EACH
602103	MANHOLE FRAME(S)	1.00	EACH
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	1.00	EACH
602131	ADJUSTING AND REPAIRING EXISTING DOUBLE DRAINAGE INLET	1.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	3.00	EACH
701013	PCC CURB, TYPE 1-8	4.00	L.F.
701019	I.PCC CURB AND GUTTER, TYPE 2	170.00	L.F.
705001	PCC SIDEWALK, 4"	68.00	S.F.
705002	PCC SIDEWALK, 6"	136.00	S.F.
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	20.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	60.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	400.00	S.F.
710370	STEEL CASING PIPE, 4"	10.00	L.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	1,600.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	560.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	255.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	26.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	126.00	HOUR

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 8 GREENBRIDGE - CARNEGIE COURT FROM GREENBRIDGE DRIVE TO END

LENGTH 97.5360 m 320.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ GREENBRIDGE

MATERIAL ESTIMATE FOR LOCATION 8

811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	17.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	3.00	EACH
908001	TOPSOIL	15.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	89.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	89.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 9 GREENLEAF MANOR - TUNNEY COURT FROM DEMPSEY DRIVE TO END

LENGTH 50.2920 m 165.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 9

202000	EXCAVATION AND EMBANKMENT	10.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	108.00	S.Y.
301001	GABC	8.00	C.Y.
301002	GABC, PATCHING	18.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	100.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	61.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	5.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	52.00	L.F.
602100	DRAINAGE INLET GRATE(S)	1.00	EACH
602101	DRAINAGE INLET FRAME(S)	1.00	EACH
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	1.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	1.00	EACH
701019	I.PCC CURB AND GUTTER, TYPE 2	300.00	L.F.
705001	PCC SIDEWALK, 4"	120.00	S.F.
705002	PCC SIDEWALK, 6"	240.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	420.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	560.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	450.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	45.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	84.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	12.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	1.00	EACH
908001	TOPSOIL	12.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	72.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	72.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 10 HARMONY CREST WOODS - LUTE COURT FROM FANTASIA DRIVE TO END

LENGTH 160.0200 m 525.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 10

202000	EXCAVATION AND EMBANKMENT	15.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	126.00	S.Y.
301001	GABC	9.00	C.Y.
301002	GABC, PATCHING	21.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	205.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	71.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	20.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	130.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	1.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	3.00	EACH
701019	I.PCC CURB AND GUTTER, TYPE 2	350.00	L.F.
705001	PCC SIDEWALK, 4"	140.00	S.F.
705002	PCC SIDEWALK, 6"	280.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	2,140.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	560.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	525.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	53.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	139.00	hour
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	15.00	hour
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	1.00	EACH
908001	TOPSOIL	14.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	84.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	84.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 11 HARMONY CREST WOODS - SUSTAIN COURT FROM HARMONY CREST DRIVE TO END

LENGTH 54.8640 m 180.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ HARMONY CREST

MATERIAL ESTIMATE FOR LOCATION 11

202000	EXCAVATION AND EMBANKMENT	10.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	44.00	S.Y.
301001	GABC	4.00	C.Y.
301002	GABC, PATCHING	8.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	105.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	26.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	5.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	58.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	1.00	EACH
701013	PCC CURB, TYPE 1-8	4.00	L.F.
701019	I.PCC CURB AND GUTTER, TYPE 2	120.00	L.F.
705001	PCC SIDEWALK, 4"	48.00	S.F.
705002	PCC SIDEWALK, 6"	96.00	S.F.
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	20.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	60.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	400.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	500.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	560.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	180.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	18.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	67.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	10.00	HOUR
908001	TOPSOIL	13.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	77.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	77.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 12 HARMONY HILLS - KINGSLEY DRIVE FROM DURSO DRIVE TO TAMARA CIRCLE

LENGTH 335.2800 m 1100.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ DURSO; 2 RAMPS @ TAMARA

MATERIAL ESTIMATE FOR LOCATION 12

202000	EXCAVATION AND EMBANKMENT	45.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	379.00	S.Y.
301001	GABC	27.00	C.Y.
301002	GABC, PATCHING	64.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	355.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	212.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	45.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	221.00	L.F.
602131	ADJUSTING AND REPAIRING EXISTING DOUBLE DRAINAGE INLET	3.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	3.00	EACH
701013	PCC CURB, TYPE 1-8	8.00	L.F.
701019	I.PCC CURB AND GUTTER, TYPE 2	1,050.00	L.F.
705001	PCC SIDEWALK, 4"	420.00	S.F.
705002	PCC SIDEWALK, 6"	840.00	S.F.
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	40.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	120.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	800.00	S.F.
710002	ADJUST WATER VALVE BOXES	1.00	EACH
710370	STEEL CASING PIPE, 4"	10.00	L.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	5,640.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	1,575.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	158.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	361.00	HOURLY
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	39.00	HOURLY
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	6.00	EACH

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 12 HARMONY HILLS - KINGSLEY DRIVE FROM DURSO DRIVE TO TAMARA CIRCLE

LENGTH 335.2800 m 1100.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ DURSO; 2 RAMPS @ TAMARA

MATERIAL ESTIMATE FOR LOCATION 12

908001	TOPSOIL	58.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	348.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	348.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 13 HILLSIDE HEIGHTS - BLUEFIELD ROAD FROM FRIAR ROAD TO
YELLOWSTONE DRIVE

LENGTH

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY (CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ YELLOWSTONE; 2 RAMPS @ FRIAR

MATERIAL ESTIMATE FOR LOCATION 13

202000	EXCAVATION AND EMBANKMENT	20.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	145.00	S.Y.
301001	GABC	11.00	C.Y.
301002	GABC, PATCHING	25.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	200.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	82.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	25.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	132.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	1.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	2.00	EACH
701013	PCC CURB, TYPE 1-8	8.00	L.F.
701019	I.PCC CURB AND GUTTER, TYPE 2	400.00	L.F.
705001	PCC SIDEWALK, 4"	160.00	S.F.
705002	PCC SIDEWALK, 6"	320.00	S.F.
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	40.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	120.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	800.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	3,160.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	600.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	60.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	180.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	18.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	2.00	EACH
908001	TOPSOIL	32.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	192.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

**LOCATION 13 HILLSIDE HEIGHTS - BLUEFIELD ROAD FROM FRIAR ROAD TO
YELLOWSTONE DRIVE**

LENGTH

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY (CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ YELLOWSTONE; 2 RAMPS @ FRIAR

MATERIAL ESTIMATE FOR LOCATION 13

908020

EROSION CONTROL BLANKET MULCH

192.00 S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 14 JAMESTOWNE - CHRISTY COURT FROM JAMESTOWNE DRIVE TO END

LENGTH 57.9120 m 190.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 14

202000	EXCAVATION AND EMBANKMENT	25.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	173.00	S.Y.
301001	GABC	12.00	C.Y.
301002	GABC, PATCHING	29.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	95.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	97.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	5.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	94.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	1.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	1.00	EACH
701019	I.PCC CURB AND GUTTER, TYPE 2	480.00	L.F.
705001	PCC SIDEWALK, 4"	192.00	S.F.
705002	PCC SIDEWALK, 6"	384.00	S.F.
710002	ADJUST WATER VALVE BOXES	2.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	600.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	430.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	720.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	72.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	118.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	16.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	1.00	EACH
908001	TOPSOIL	19.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	115.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	115.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 15 JAMESTOWNE - NICK COURT FROM JAMESTOWNE DRIVE TO END

LENGTH 80.7720 m 265.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

3 RAMPS @ JAMESTOWNE

MATERIAL ESTIMATE FOR LOCATION 15

202000	EXCAVATION AND EMBANKMENT	20.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	77.00	S.Y.
301001	GABC	6.00	C.Y.
301002	GABC, PATCHING	14.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	115.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	44.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	10.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	67.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	1.00	EACH
701013	PCC CURB, TYPE 1-8	6.00	L.F.
701019	I.PCC CURB AND GUTTER, TYPE 2	210.00	L.F.
705001	PCC SIDEWALK, 4"	84.00	S.F.
705002	PCC SIDEWALK, 6"	168.00	S.F.
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	30.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	90.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	600.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	960.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	430.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	315.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	32.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	95.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	11.00	HOUR
908001	TOPSOIL	20.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	122.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	122.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 16 NEWARK OAKS - MIDLAND DRIVE FROM LEADER DRIVE @ CHANGE IN HOTMIX TO END

LENGTH 176.7840 m 580.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 16

202000	EXCAVATION AND EMBANKMENT	20.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	180.00	S.Y.
301001	GABC	13.00	C.Y.
301002	GABC, PATCHING	30.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	260.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	101.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	20.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	120.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	2.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	2.00	EACH
701019	I.PCC CURB AND GUTTER, TYPE 2	500.00	L.F.
705001	PCC SIDEWALK, 4"	200.00	S.F.
705002	PCC SIDEWALK, 6"	400.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	2,460.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	840.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	750.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	75.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	182.00	HOURLY
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	19.00	HOURLY
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	3.00	EACH
908001	TOPSOIL	20.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	120.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	120.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 17 NEWKIRK ESTATES - HARDIN DRIVE FROM DARWIN DRIVE TO PHYLLIS DRIVE

LENGTH 185.9280 m 610.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ DARWIN; 2 RAMPS @ PHYLLIS

MATERIAL ESTIMATE FOR LOCATION 17

202000	EXCAVATION AND EMBANKMENT	20.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	95.00	S.Y.
301001	GABC	8.00	C.Y.
301002	GABC, PATCHING	17.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	190.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	54.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	25.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	142.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	3.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	3.00	EACH
701013	PCC CURB, TYPE 1-8	8.00	L.F.
701019	I.PCC CURB AND GUTTER, TYPE 2	260.00	L.F.
705001	PCC SIDEWALK, 4"	104.00	S.F.
705002	PCC SIDEWALK, 6"	208.00	S.F.
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	40.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	120.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	800.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	3,000.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	390.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	39.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	174.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	18.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	4.00	EACH
908001	TOPSOIL	26.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	158.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 17 NEWKIRK ESTATES - HARDIN DRIVE FROM DARWIN DRIVE TO PHYLLIS DRIVE

LENGTH 185.9280 m 610.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ DARWIN; 2 RAMPS @ PHYLLIS

MATERIAL ESTIMATE FOR LOCATION 17

908020

EROSION CONTROL BLANKET MULCH

158.00 S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 18 NORWEGIAN WOODS - PENNY LANE FROM ABBEY ROAD TO WINDING ROAD

LENGTH 207.2640 m 680.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

1 RAMP @ ABBEY; 2 RAMPS @ DIAMOND; 2 RAMPS @ WINDING

MATERIAL ESTIMATE FOR LOCATION 18

202000	EXCAVATION AND EMBANKMENT	20.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	87.00	S.Y.
301001	GABC	7.00	C.Y.
301002	GABC, PATCHING	15.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	220.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	50.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	30.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	150.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	2.00	EACH
602131	ADJUSTING AND REPAIRING EXISTING DOUBLE DRAINAGE INLET	3.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	2.00	EACH
701013	PCC CURB, TYPE 1-8	10.00	L.F.
701019	I.PCC CURB AND GUTTER, TYPE 2	240.00	L.F.
705001	PCC SIDEWALK, 4"	96.00	S.F.
705002	PCC SIDEWALK, 6"	192.00	S.F.
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	50.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	150.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	1,000.00	S.F.
710002	ADJUST WATER VALVE BOXES	1.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	3,500.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	360.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	36.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	203.00	HOURLY
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	24.00	HOURLY
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	8.00	EACH

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 18 NORWEGIAN WOODS - PENNY LANE FROM ABBEY ROAD TO WINDING ROAD

LENGTH 207.2640 m 680.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

1 RAMP @ ABBEY; 2 RAMPS @ DIAMOND; 2 RAMPS @ WINDING

MATERIAL ESTIMATE FOR LOCATION 18

908001	TOPSOIL	30.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	178.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	178.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 19 RED MILL FARMS - ANDRIES ROAD FROM RED MILL ROAD @ CHANGE IN HOTMIX TO END

LENGTH 170.6880 m 560.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

4 RAMPS @ BISBEE

MATERIAL ESTIMATE FOR LOCATION 19

202000	EXCAVATION AND EMBANKMENT	20.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	163.00	S.Y.
301001	GABC	12.00	C.Y.
301002	GABC, PATCHING	28.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	230.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	92.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	20.00	TON
401506	SPEED HUMP	22.00	L.F.
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	230.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	1.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	4.00	EACH
701013	PCC CURB, TYPE 1-8	8.00	L.F.
701019	I.PCC CURB AND GUTTER, TYPE 2	450.00	L.F.
705001	PCC SIDEWALK, 4"	180.00	S.F.
705002	PCC SIDEWALK, 6"	360.00	S.F.
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	40.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	120.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	800.00	S.F.
710370	STEEL CASING PIPE, 4"	30.00	L.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	2,500.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	560.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	675.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	68.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	212.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	23.00	HOUR

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 19 RED MILL FARMS - ANDRIES ROAD FROM RED MILL ROAD @ CHANGE IN
HOTMIX TO END

LENGTH 170.6880 m 560.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

4 RAMPS @ BISBEE

MATERIAL ESTIMATE FOR LOCATION 19

905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	3.00	EACH
908001	TOPSOIL	34.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	204.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	204.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 20 SHERWOOD FOREST - REGAL COURT FROM REGAL BLVD TO END

LENGTH 124.9680 m 410.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY (CURB WHERE NECESSARY)

COMMENTS:

ESTIMATE INCLUDES INTERSECTION W/ REGAL - 4 RAMPS @ REGAL (CONTACT AREA ENGINEER FOR PLACEMENT)

MATERIAL ESTIMATE FOR LOCATION 20

202000	EXCAVATION AND EMBANKMENT	15.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	109.00	S.Y.
301001	GABC	9.00	C.Y.
301002	GABC, PATCHING	19.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	185.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	62.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	15.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	156.00	L.F.
602100	DRAINAGE INLET GRATE(S)	1.00	EACH
602101	DRAINAGE INLET FRAME(S)	1.00	EACH
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	2.00	EACH
602131	ADJUSTING AND REPAIRING EXISTING DOUBLE DRAINAGE INLET	1.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	4.00	EACH
701013	PCC CURB, TYPE 1-8	8.00	L.F.
701019	I.PCC CURB AND GUTTER, TYPE 2	300.00	L.F.
705001	PCC SIDEWALK, 4"	120.00	S.F.
705002	PCC SIDEWALK, 6"	240.00	S.F.
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	40.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	120.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	800.00	S.F.
710370	STEEL CASING PIPE, 4"	10.00	L.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	1,940.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	495.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	450.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	45.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	177.00	HOUR

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 20 **SHERWOOD FOREST - REGAL COURT FROM REGAL BLVD TO END**

LENGTH 124.9680 m 410.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY (CURB WHERE NECESSARY)

COMMENTS:

ESTIMATE INCLUDES INTERSECTION W/ REGAL - 4 RAMPS @ REGAL (CONTACT AREA ENGINEER FOR PLACEMENT)

MATERIAL ESTIMATE FOR LOCATION 20

811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	21.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	4.00	EACH
908001	TOPSOIL	28.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	168.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	168.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 21 STAFFORD II - WITHAMS ROAD FROM STAFFORD AVENUE TO INGLESIDE ROAD

LENGTH 196.5960 m 645.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ STAFFORD; 2 RAMPS @ INGLESIDE

MATERIAL ESTIMATE FOR LOCATION 21

202000	EXCAVATION AND EMBANKMENT	25.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	152.00	S.Y.
301001	GABC	12.00	C.Y.
301002	GABC, PATCHING	26.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	210.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	86.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	25.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	160.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	3.00	EACH
602131	ADJUSTING AND REPAIRING EXISTING DOUBLE DRAINAGE INLET	1.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	3.00	EACH
701013	PCC CURB, TYPE 1-8	8.00	L.F.
701019	I.PCC CURB AND GUTTER, TYPE 2	420.00	L.F.
705001	PCC SIDEWALK, 4"	168.00	S.F.
705002	PCC SIDEWALK, 6"	336.00	S.F.
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	40.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	120.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	800.00	S.F.
710002	ADJUST WATER VALVE BOXES	1.00	EACH
710370	STEEL CASING PIPE, 4"	10.00	L.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	3,300.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	630.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	63.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	217.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	24.00	HOUR

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 22 VARLANO - DAWES COURT FROM TREVETT BLVD TO END

LENGTH 91.4400 m 300.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 22

202000	EXCAVATION AND EMBANKMENT	10.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	47.00	S.Y.
301001	GABC	3.00	C.Y.
301002	GABC, PATCHING	8.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	150.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	27.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	20.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	60.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	1.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	1.00	EACH
701019	I.PCC CURB AND GUTTER, TYPE 2	130.00	L.F.
705001	PCC SIDEWALK, 4"	52.00	S.F.
705002	PCC SIDEWALK, 6"	104.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	1,260.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	560.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	195.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	20.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	80.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	9.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	1.00	EACH
908001	TOPSOIL	5.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	31.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	31.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 23 VARLANO - SCREVEN PLACE FROM DAWES DRIVE TO END
LENGTH
GENERAL IMPROVEMENTS
2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ DAWES

MATERIAL ESTIMATE FOR LOCATION 23

202000	EXCAVATION AND EMBANKMENT	20.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	102.00	S.Y.
301001	GABC	8.00	C.Y.
301002	GABC, PATCHING	18.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	105.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	58.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	25.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	50.00	L.F.
701013	PCC CURB, TYPE 1-8	4.00	L.F.
701019	I.PCC CURB AND GUTTER, TYPE 2	280.00	L.F.
705001	PCC SIDEWALK, 4"	112.00	S.F.
705002	PCC SIDEWALK, 6"	224.00	S.F.
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	20.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	60.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	400.00	S.F.
710370	STEEL CASING PIPE, 4"	10.00	L.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	740.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	430.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	420.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	42.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	96.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	12.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	2.00	EACH

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 23 VARLANO - SCREVEN PLACE FROM DAWES DRIVE TO END

LENGTH

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ DAWES

MATERIAL ESTIMATE FOR LOCATION 23

908001	TOPSOIL	19.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	115.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	115.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 24 WEDGEWOOD - FOWLER COURT FROM DUTTON DRIVE @ CHANGE IN
HOTMIX TO END

LENGTH 70.1040 m 230.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 24

202000	EXCAVATION AND EMBANKMENT	20.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	112.00	S.Y.
301001	GABC	8.00	C.Y.
301002	GABC, PATCHING	19.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	120.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	63.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	10.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	77.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	1.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	1.00	EACH
701019	I.PCC CURB AND GUTTER, TYPE 2	310.00	L.F.
705001	PCC SIDEWALK, 4"	124.00	S.F.
705002	PCC SIDEWALK, 6"	248.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	820.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	560.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	465.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	47.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	96.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	12.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	1.00	EACH
908001	TOPSOIL	12.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	74.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	74.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 25 WILTON - RANDLE COURT FROM ESTATES DRIVE TO END

LENGTH 97.5360 m 320.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ ESTATES; 1 RAMP @ LOOP

MATERIAL ESTIMATE FOR LOCATION 25

202000	EXCAVATION AND EMBANKMENT	15.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	141.00	S.Y.
301001	GABC	11.00	C.Y.
301002	GABC, PATCHING	23.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	110.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	76.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	15.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	85.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	1.00	EACH
701013	PCC CURB, TYPE 1-8	6.00	L.F.
701019	I.PCC CURB AND GUTTER, TYPE 2	370.00	L.F.
705001	PCC SIDEWALK, 4"	148.00	S.F.
705002	PCC SIDEWALK, 6"	356.00	S.F.
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	30.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	90.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	600.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	1,690.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	555.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	74.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	135.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	15.00	HOUR
908001	TOPSOIL	27.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	161.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	161.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 26 WINDY HILLS - INGLESIDE ROAD FROM DILLWYN ROAD @ CHANGE IN HOTMIX TO STAFFORD AVENUE

LENGTH 204.2160 m 670.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

4 RAMPS @ WHITHAMS; 2 RAMPS @ STAFFORD

MATERIAL ESTIMATE FOR LOCATION 26

202000	EXCAVATION AND EMBANKMENT	30.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	210.00	S.Y.
301001	GABC	16.00	C.Y.
301002	GABC, PATCHING	36.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	225.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	118.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	30.00	TON
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	200.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	4.00	EACH
602131	ADJUSTING AND REPAIRING EXISTING DOUBLE DRAINAGE INLET	4.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	3.00	EACH
701013	PCC CURB, TYPE 1-8	12.00	L.F.
701019	I.PCC CURB AND GUTTER, TYPE 2	580.00	L.F.
705001	PCC SIDEWALK, 4"	232.00	S.F.
705002	PCC SIDEWALK, 6"	464.00	S.F.
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	60.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	180.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	1,200.00	S.F.
710370	STEEL CASING PIPE, 4"	10.00	L.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	4,310.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	870.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	87.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY	303.00	HOURLY
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	34.00	HOURLY
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	12.00	EACH

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

LOCATION 26 WINDY HILLS - INGLESIDE ROAD FROM DILLWYN ROAD @ CHANGE IN
HOTMIX TO STAFFORD AVENUE

LENGTH 204.2160 m 670.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

4 RAMPS @ WHITHAMS; 2 RAMPS @ STAFFORD

MATERIAL ESTIMATE FOR LOCATION 26

908001	TOPSOIL	47.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	283.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	283.00	S.Y.

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CANAL

SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

CONTRACT QUANTITIES SUMMARY SHEET

202000	EXCAVATION AND EMBANKMENT	755.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	5,144.00	S.Y.
301001	GABC	387.00	C.Y.
301002	GABC, PATCHING	853.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	6,415.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	2,841.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	905.00	TON
401506	SPEED HUMP	252.00	L.F.
404001	BITUMINOUS CRACK AND JOINT SEALING LESS THAN 3/4-INCH WIDE	5,385.00	L.F.
501001	PCC PAVEMENT, 8"	196.00	S.Y.
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	5.00	L.F.
602100	DRAINAGE INLET GRATE(S)	17.00	EACH
602101	DRAINAGE INLET FRAME(S)	10.00	EACH
602102	MANHOLE COVER(S)	1.00	EACH
602103	MANHOLE FRAME(S)	1.00	EACH
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	45.00	EACH
602131	ADJUSTING AND REPAIRING EXISTING DOUBLE DRAINAGE INLET	14.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	82.00	EACH
701013	PCC CURB, TYPE 1-8	278.00	L.F.
701018	I.PCC CURB AND GUTTER, TYPE 1-8	80.00	L.F.
701019	I.PCC CURB AND GUTTER, TYPE 2	13,030.00	L.F.
701023	I.PCC CURB AND GUTTER, TYPE 3-8	650.00	L.F.
705001	PCC SIDEWALK, 4"	5,472.00	S.F.
705002	PCC SIDEWALK, 6"	11,004.00	S.F.
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	890.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	2,670.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	17,800.00	S.F.
710002	ADJUST WATER VALVE BOXES	17.00	EACH

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SUBDIVISION PAVING, NEW CASTLE COUNTY V, 2025

CONTRACT QUANTITIES SUMMARY SHEET

710370	STEEL CASING PIPE, 4"	170.00	L.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	98,060.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	7,020.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	21,258.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	2,145.00	L.F.
763000	INITIAL EXPENSE/DE-MOBILIZATION	LUMP	SUM
801500	MAINTENANCE OF TRAFFIC, ALL INCLUSIVE	LUMP	SUM
802003	ARROW PANELS TYPE C	6.00	EA-DY
808002	PROVIDE AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	6.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY	6,231.00	HOURL
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	685.00	HOURL
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	66.00	S.F.
819018	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	3.00	EACH
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	96.00	EACH
908001	TOPSOIL	923.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	5,537.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	5,537.00	S.Y.