THE STATE OF DELAWARE

DEPARTMENT OF TRANSPORTATION
MAINTENANCE AND OPERATIONS
CONSTRUCTION PLANS AND SPECIFICATIONS FOR

COMMUNITY TRANSPORTATION FUND, CITY OF WILMINGTON, 2020 OPEN END

CONTRACT NUMBER - T202003109.01 **PRIMAVERA ID – 20-03109**

FEDERAL AID NUMBER - NONE **COUNTY: NEW CASTLE**

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PLANS PREPARED BY:_____
DESIGNER

_____ 12/23/19
DELDOT – CE IV/PROJECT MANAGER DATE
MAINTENACE AND OPERATIONS - (CAD)

MATTHEW JOSEPH VINCENT
LICENSED
No. 16684
DELAWARE
PROFESSIONAL ENGINEER

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

APPROVED FOR ADVERTISEMENT

_____ 1/2/2020
DIRECTOR OF MAINTENANCE AND OPERATIONS DATE

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 AUGUST 2016 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION DETAILS, DATED 2016 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.

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3. 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.

4. 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 108.08 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL SUBMIT THE REQUIRED COPIES OF A DETAILED PROGRESS SCHEDULE (PSC) AS OUTLINED IN STANDARD SPECIFICATION 108.04 PRIOR TO OR AT 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 AS REQUIRED) "LOOK AHEAD" SCHEDULES TO THE AREA ENGINEER/ MANAGER NO LATER THAN NOON OF EACH THURSDAY.

GENERAL CONTRACT PLAN NOTES

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

ADDITIONAL WORK:

5. DEPENDING ON FUND AVAILABILITY, THE DEPARTMENT RESERVES THE RIGHT TO INCREASE 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.

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SECTION 400

6. 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 401( ). PREPARING UNPAVED DRIVEWAY ENTRANCES BEYOND THE FIRST 3' SHALL BE PAID UNDER THE APPROPRIATE CONTRACT ITEMS: 202000 AND/OR 30100X. UNLESS SPECIFIED, OVERLAY WIDTHS SHALL MATCH EXISTING WIDTHS.

7. PAVING IS TO BE COMPLETED CURB TO CURB INCLUDING TURN LANES AND INTERSECTIONS WITHIN SEVEN (7) CALENDER DAYS OF PAVEMENT MILLING FOR A PARTICULAR DAYS PAVEMENT MILLING LOCATION. 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.

8. IN ADDITION TO ITEM 401506 SPEED HUMP BEING UTILIZED FOR NEW SPEED HUMPS, IT SHALL ALSO INCLUDE REMOVE AND REPLACE SPEED HUMPS. AT REMOVE AND REPLACE LOCATIONS, 401506 SHALL BE PAID AND THE REMOVAL SHALL BE INCIDENTAL TO THIS ITEM.

GENERAL CONTRACT PLAN NOTES

9. ON THIS CONTRACT, 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 WITHIN RIGHT-OF-WAY.

SECTION 500

10. 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, BITUMINUOUS SEAL, AND EXPANSION, PCC SAWCUTS, AND GABC UNDER THE PCC ARE INCIDENTAL TO VALLEY GUTTER ITEM (501001).

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SECTION 600

11. DRAINAGE INLET GRATES ADJACENT TO THE ROAD, WITHIN THE PROJECT LIMITS, WHICH ARE NOT TYPE 1 SHALL BE REPLACED. THE ACTUAL LOCATIONS, 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 NEAREST DISTRICT MAINTENANCE YARD 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.

SECTION 700

12. BUTT JOINTS SHALL BE CONSTRUCTED AT ALL INTERSECTING BITUMINOUS CONCRETE ROADS AND ANY OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. BUTT JOINTS AT RAILROAD

GENERAL CONTRACT PLAN NOTES

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 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.

13. MILLED MATERIAL, SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

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14. AFTER PAVEMENT MILLING, ALL RAISED EDGES OF MANHOLES, DRAINAGE INLETS, WATER VALVE BOXES, ETC. SHALL BE RAMPED WITH BITUMINOUS CONCRETE TRM AT A 20:1 OR FLATTER SLOPE 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 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

15. THE CONTRACTOR SHALL TAKE CARE IN REMOVING PAVEMENT AROUND UTILITIES, BUTT JOINTS, CURB EDGES, ETC., WHEN CLEANING AFTER A PAVEMENT MILLING OPERATION. CARE SHOULD BE TAKEN SO AS NOT TO GOUGE OR DIG DEEPER THAN THE REQUIRED DEPTH. FAILURE TO DO SO WILL RESULT IN THE CONTRACTOR PLACING LEVELING COURSES AT HIS OWN EXPENSE.

16. 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".

GENERAL CONTRACT PLAN NOTES

17. EXCAVATION FOR THE REPLACEMENT OF P.C.C. CURBS, SIDEWALK OR VALLEY GUTTER SHALL BE INCIDENTAL TO THE PRICE BID FOR THESE RESPECTIVE ITEMS. EXCAVATED MATERIAL, NOT NEEDED ON THE PROJECT, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE PROJECT. IN THE CASE OF NEW SIDEWALK EXCAVATION WILL BE PAID TO THE WIDTH OF THE NEW SIDEWALK UNDER ITEM 202000. ITEM 908001, TOPSOIL, SHALL BE USED AS BACKFILL MATERIAL FOR CURB AND SIDEWALK WHEN SO DIRECTED BY THE ENGINEER. WHEN REPLACEMENT OF CURB AND GUTTER HAS BEEN COMPLETED AND THE FORMS REMOVED AT EACH LOCATION OF THIS CONTRACT, BACKFILLING SHALL BE DONE IMMEDIATELY. COMPLETE RESTORATION, TOPSOIL, SEEDING, AND REMOVAL OF ALL MATERIALS FOR CURB & GUTTER OR SIDEWALK; SEALING OF VALLEY GUTTERS AND PARGING OF DRAINAGE INLETS, SHALL BE COMPLETED WITHIN SEVEN (7) CALENDER DAYS. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED. TOPSOIL SHALL BE SCREENED/SIFTED SO AS NO MATERIAL GREATER THAN .5" SHOULD BE PRESENT IN MATERIAL USED FOR BACKFILL.

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

19. 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.

20. THE CONTRACTOR SHALL PROVIDE RESIDENTS WITH 24 HR. PRIOR WRITTEN NOTICE FOR 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 WHOSE PROPERTY IS ADJACENT TO THE STREET ON WHICH WORK IS TO BE PERFORMED. FAIILURE TO GIVE PROPER NOTICE WILL RESULT IN A SUSPENSION OF WORK REQUIRING NOTICE, UNTIL PROPER NOTICE IS PROVIDED.

21. 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 ENOUGH

GENERAL CONTRACT PLAN NOTES

MATERIAL OF AN APPROVED ALTERNATIVE STRIPING METHOD IS ON HAND AT THE SITE TO ENSURE STRIPING IS COMPLETE BEFORE TRAFFIC IS RETURNED TO THE ROADWAY.

22. LANE CLOSURES ON NUMBERED MAINTENANCE ROADS ARE PERMITTED ONLY BETWEEN THE HOURS OF 9:00 AM AND 3:00 PM.

23. 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.

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SECTION 800

24. 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.

THE CONTRACTOR WILL BE RESPONSIBLE TO CORRECT ANY ERRONEOUS MARKINGS IMMEDIATELY. FAILURE TO COMPLY WILL RESULT IN SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED. 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.

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.

GENERAL CONTRACT PLAN NOTES

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.

PLACEMENT OF TEMPORARY MARKINGS SHALL RECEIVE PRIOR APPROVAL FROM THE ENGINEER. PAYMENT FOR TEMPORARY PAVEMENT MARKING SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 817003 - TEMPORARY MARKINGS.

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25. 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.

26. 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 302-659-2400.

27. 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.

GENERAL CONTRACT PLAN NOTES

28. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN, INCLUDING PEDESTRIAN AND BICYCLE FACILITIES, AS WELL AS THE NECESSARY NCHRP 350 OR THE MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) CERTIFICATIONS 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.

29. ALL TRAFFIC CONTROL DEVICES SHALL BE IN NEW OR REFURBISHED CONDITION AND SHALL BE IN COMPLIANCE WITH THE NCHRP 350 OR THE MANUAL FOR ASSESSING SAFETY HARDWARE (MASH). THE DEVICES SHALL BE APROVED BY THE SAFETY SECTION PRIOR TO USE AND SHALL BE MAINTAINED IN GOOD CONDITION FOR THE DURATION OF THE CONTRACT.

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30. 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.

31. 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. 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.

GENERAL CONTRACT PLAN NOTES

• 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.

SECTION 900

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

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CTF/OPEN END SPECIFIC PROJECT NOTES

33. 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.

34. 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.

GENERAL CONTRACT PLAN NOTES

35. 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.

36. 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.

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37. 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.

38. THE PROJECT MANAGER IS RESPONSIBLE FOR ENSURING ANY REQUIRED DOCUMENTS AND ANALYSIS AS PART OF THE ADOPTED WORK ZONE SAFETY AND MOBILITY PROCEDURES AND GUIDELINES HAS BEEN COMPLETED PRIOR TO ANY WORK STARTING ON THIS CONTRACT.

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

GENERAL CONTRACT PLAN NOTES

40. THE WORK WILL BE SCHEDULED VIA JOB ORDERS FROM THE DISTRICT. WORK SITES WILL VARY IN SIZE. THE JOB ORDERS WILL INDICATE THE WORK TO BE PERFORMED AT EACH LOCATION.

41. THIS CONTRACT IS NOT SUBJECT TO DEPARTMENT OF LABOR'S PREVAILING WAGE RATES PER THE DELAWARE CODE, 29 Del. C. § 6960(m).

42. WORK TO BE PERFORMED UNDER THIS CONTRACT SHALL BE GENERATED THROUGH JOB ORDERS ISSUED TO THE CONTRACTOR BY THE DEPARTMENT'S PROJECT MANAGER. JOB ORDERS WILL BE ASSEMBLED TO ALLOW THE MOST EFFICIENT ALLOCATION OF THE CONTRACTOR'S WORK FORCE AS THE SITUATION ALLOWS.

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EACH JOB ORDER ISSUED WILL HAVE CLEAR "START BY" DATE AND TIME ALLOCATED TO COMPLETE SAID JOB ORDER. FAILURE TO COMPLETE A JOB ORDER IN THE SPECIFIED TIME SHALL CONSTITUTE "FAILURE TO PURSE THE WORK" AND SUBJECTS THE CONTRACTOR TO LIQUIDATED DAMAGES AS OUTLINED IN SUBSECTION 108.08 OF THE STANDARD SPECIFICATIONS.

EACH JOB ORDER IS TO BE COMPLETED WITHIN THE SPECIFIED TIME. ADDITIONAL ITEMS AND/OR WORKING DAYS MAY BE ADDED TO ANY JOB ORDER AS NEEDED AT THE DISCRETION OF THE ENGINEER. IF THE WORK ON A SPECIFIED JOB ORDER IS NOT COMPLETED WITHIN THE ALLOCATED TIME, LIQUIDATED DAMAGES WILL BE ASSESSED IN ACCORDANCE WITH SUBSECTION 108.09 OF THE STANDARD SPECIFICATIONS BASED ON THE TOTAL VALUE OF THAT PARTICULAR JOB ORDER.

43. UPON RECEIPT OF EACH JOB ORDER, THE CONTRACTOR SHALL SUBMIT THE REQUIRED COPIES OF A DETAILED PROGRESS SCHEDULE (PSC) AS OUTLINED IN STANDARD SPECIFICATION 108.04. DETAILS SHALL INCLUDE A DESCRIPTION OF EACH WORK ACTIVITY, THE PLANNED DAYS OF WORK, MULITPLE CREWS OR SHIFTS, AND SCHEDULED WORKING HOURS. DURING THE CONTRACT, THE CONTRACTOR SHALL SUBMIT TWO-WEEK (OR 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.

CITY OF WILMINGTON COMMENTS

GENERAL CONTRACT PLAN NOTES

44. THE CITY REQUIRES THAT THE CONTRACTORS NAME BE STAMPED INTO THE SIDEWALK.
THE CITY CODE OF ORDINANCES, PART II, CHAPTER 42, ARTICLE I, DIVISION I SEC. 42-110 STATES:

"CONTRACTOR'S NAME TO BE STAMPED OR INLAID INTO SIDEWALK.

(A) THE CONTRACTOR SHALL MARK HIS NAME IN THE SIDEWALK, EITHER BY STAMPING OR BY INLAYING AN IMPROVED METAL PLATE. THE STAMPED LETTERS SHALL BE ONE INCH HIGH AND ONE-QUARTER INCH DEEP. IF A METAL PLATE IS USED, THE TOP OF THE PLATE SHALL BE FLUSH WITH THE TOP OF THE SIDEWALK.

(B) THE CONTRACTOR'S NAME SHALL BE PLACED AT EACH END OF THE FINISHED SIDEWALK UP TO 100 FEET IN LENGTH. BEYOND THE 100 FEET LENGTH, THE CONTRACTOR'S NAME SHALL BE PLACED AT THE ENDS OF THE FINISHED SIDEWALK AND MIDDISTANT BETWEEN THE ENDS."

45. THE CITY CODE REQUIRES EXPANSION JOINTS BETWEEN CONCRETE CURB AND CONCRETE SIDEWALK.

46. THE CITY REQUIRES THAT GRANITE CURB NOT BE REPLACED WITH ANY OTHER KIND OF CURB EXCEPT AT ADA RAMPS.
THE CITY CODE OF ORDINANCES, PART II, CHAPTER 42, ARTICLE I, DIVISION I SEC. 42-49 STATES "EXISTING GRANITE CURBS MAY NOT BE REPLACED WITH ANY OTHER TYPE OF CURBING MATERIALS, EXCEPT THAT GRANITE CURBS MAY BE REPLACED BY CONCRETE CURBS WHERE NECESSARY TO THE CONSTRUCTION OF A RAMP FOR A WHEELCHAIR ACCESS TO AND FROM THE ADJOINING STREET. GRANITE CURBING, WHEN AUTHORIZED TO BE REMOVED PURSUANT TO THIS SECTION, SHALL BE DELIVERED TO AND STORED ON CITY PROPERTY AT A LOCATION OR LOCATIONS DESIGNATED BY THE DEPARTMENT OF PUBLIC WORKS FOR THE SAME, AND SHALL THERE BE MADE AVAILABLE WITHOUT CHARGE T ANY PERSON DESIRING TO REPAIR OR CONSTRUCT A GRANITE CURB IN THE CITY. IF THE SUPPLY OF GRANITE CURBING SO STORED SHOULD AT ANY TIME SUBSTANTIALLY EXCEED THE POTENTIAL NEED FOR GRANITE CURBING FOR SUCH CONSTRUCTION OR REPAIRS, THE DEPARTMENT OF PUBLIC WORKS SHALL BE AUTHORIZED TO SELL, UTILIZE, OR OTHERWISE DISPOSE OF SUCH EXCESS SUPPLY OF GRANITE CURBS."

47. ALL TREE WORK INCLUDING BUT NOT LIMITED TO REMOVAL, REPLACEMENT, TRIMMING OR ROOT TRIMMING IS TO BE APPROVED BY THE CITY FORESTER/ARBORIST.

48. OVER NIGHT STORAGE OF CONTRACTORS EQUIPMENT AND MATERIALS IS NOT PERMITTED ON CITY STREETS.

49. CONTRACTORS PERFORMING WORK WITHIN THE CITY OF WILMINGTON ARE REQUIRED TO HOLD A CITY LICENSE.

50. TRAFFIC OFFICERS MAY BE USED AT THE DISCRETION OF THE PROJECT MANAGER WHERE ISSUES ARE ANTICIPATED WITHIN THE LIMITS OF THE PROJECT.

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GENERAL CONTRACT PLAN NOTES

October2018

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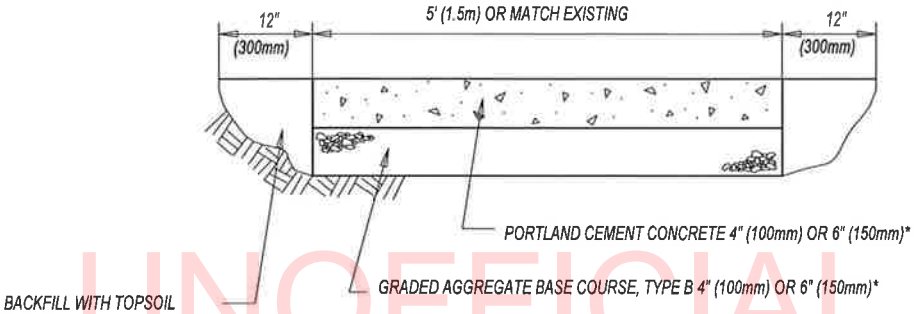
DETAILS SHEET



P.C.C. SIDEWALK

N.T.S.

* NOTE: 6" (150mm) CONCRETE OVER 6" (150mm) GRADED AGGREGATE TO BE USED FOR DRIVEWAY PLACEMENT

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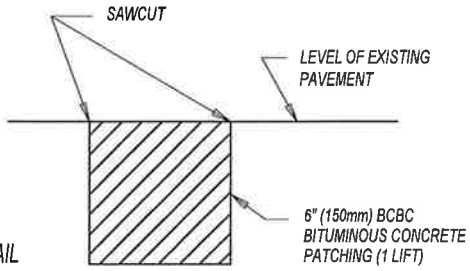
NOTE: ALL EDGES TO BE SAWCUT. CUTTING BY USE OF AIR HAMMERS MAY BE SUBSTITUTED FOR SAWCUTTING IF THE AREA IS TO BE OVERLAID UNDER THE SAME CONTRACT. THERE WILL BE NO PAYMENT FOR AIR HAMMERS.
THIS DETAIL SHALL BE USED FOR ALL BITUMINOUS CONCRETE PATCHES UNLESS OTHERWISE SHOWN ON THE PLANS.

IN AREAS WHERE NO BITUMINOUS CONCRETE OVERLAY IS PROPOSED, PLACE 2" (50mm) BITUMINOUS CONCRETE TYPE C PATCHING OVER 6" (150mm) BCBC BITUMINOUS CONCRETE PATCHING.

FOR BITUMINOUS CONCRETE PATCHING, PARTIAL DEPTH, REMOVE EXISTING BITUMINOUS CONCRETE TO DEPTH OF EXISTING AGGREGATE BASE. REPLACE WITH BITUMINOUS CONCRETE TYPE C PATCHING.

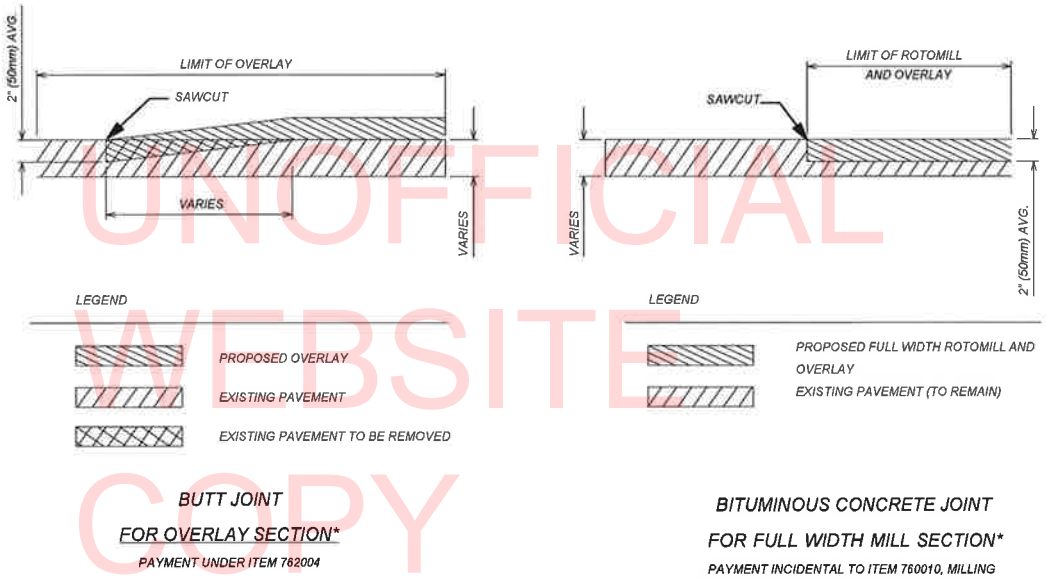


BITUMINOUS CONCRETEPATCH DETAIL

N.T.S.

CANAL CONTRACT IS FOR VARIOUS LOCATIONS THROUGHOUT NEW CASTLE COUNTY.

DETAILS SHEET



BUTT JOINT
FOR OVERLAY SECTION*
PAYMENT UNDER ITEM 762004

BITUMINOUS CONCRETE JOINT
FOR FULL WIDTH MILL SECTION*
PAYMENT INCIDENTAL TO ITEM 760010, MILLING

BITUMENOUS CONCRETE JOINT DETAIL

NOTE: THE FOLLOWING LENGTHS ARE BASED ON THE POSTED SPEED OF THE ROADWAY: LESS THAN 50MPH = 20 FT PER 1" OF OVERLAY DEPTH
EQUAL TO OR GREATER THAN 50 MPH = 30 FT PER 1" OF OVERLAY DEPTH
AT STOP SIGNS = 15 FT PER 1" OF OVERLAY DEPTH

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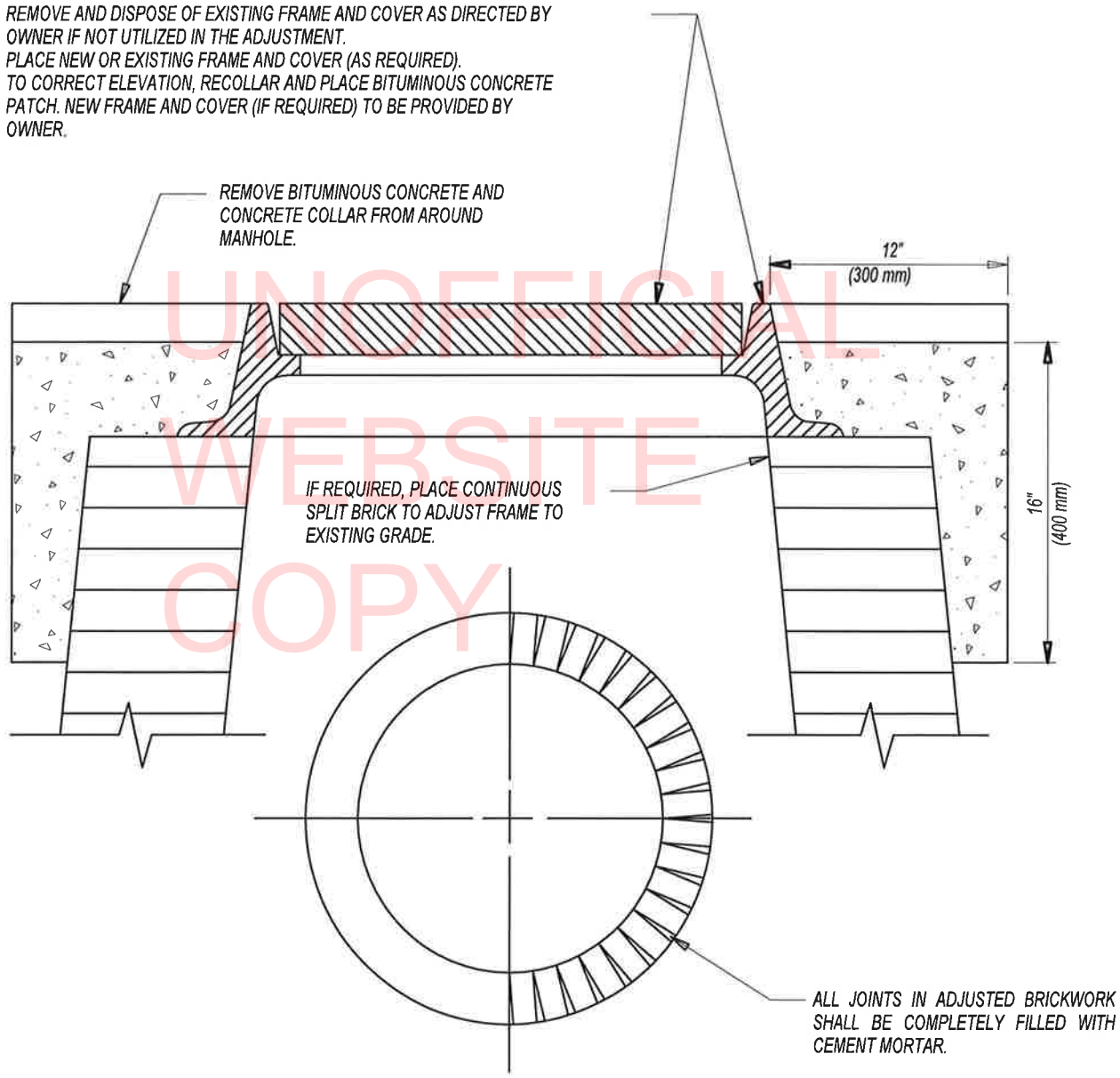
CANAL CONTRACT IS FOR VARIOUS LOCATIONS THROUGHOUT NEW CASTLE COUNTY.

DETAILS SHEET



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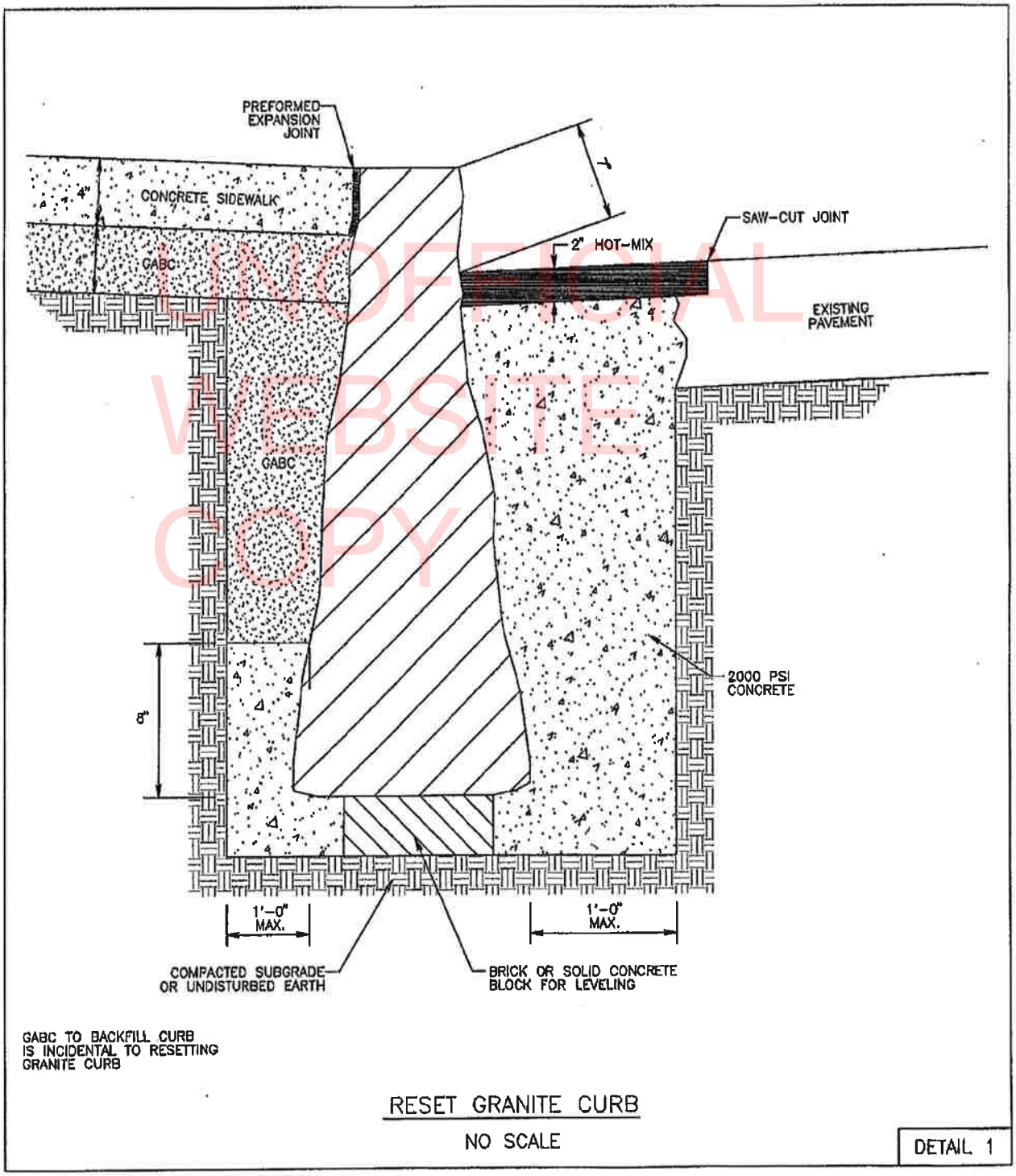
ADJUSTING AND REPAIRING MANHOLE

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.

DETAILS SHEET



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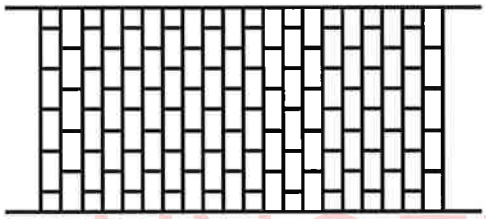
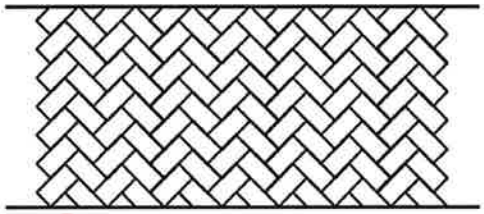
DETAILS SHEET



4" x 8" RUNNING BOND PATTERN



4" x 8" HERRINGBONE PATTERN

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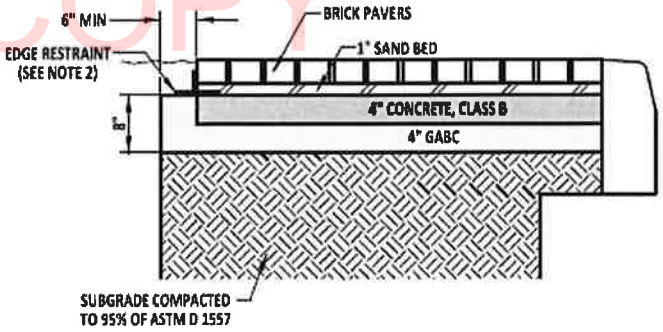
NOTES:

1. ACTUAL PATTERN TO BE USED SHALL BE SPECIFIED ON THE PLANS. COLOR IS TO BE "BRICK RED" UNLESS OTHERWISE NOTED ON THE PLANS.
2. MATERIALS AND PAVEMENT BOX VARY DEPENDING ON PLANS.
3. FOR CROSSWALK APPLICATIONS, REFER TO THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STRIPING WIDTH.
4. THE PATTERNS ABOVE ARE THE PREFERRED PATTERNS AVAILABLE FOR SIDEWALK OR CROSSWALK APPLICATIONS.



BRICK PAVER SIDEWALK DETAIL

NOTES:

1. WHEN SIDEWALK IS CONFINED BY A RIGID STRUCTURE ON BOTH SIDES, EXPANSION JOINT MATERIAL SHALL BE USED FROM TOP OF BRICK TO BOTTOM OF CONCRETE BASE ON AT LEAST ONE SIDE OF THE SIDEWALK.
2. EDGE RESTRAINT MUST BE APPROVED BY THE ENGINEER IN THE FIELD AND SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.

CONTRACT QUANTITIES SUMMARY SHEET

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	3,500.00	S.Y.
301001	GRADED AGGREGATE BASE COURSE, TYPE B	70.00	C.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	5.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	275.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	145.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	200.00	TON
402000	BITUMINOUS CONCRETE PATCHING	8,000.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	200.00	L.F.
701018	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 1-8	1,600.00	L.F.
701502	STONE CURB	100.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	7,400.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	2,200.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	50.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	1,000.00	S.F.
705505	REST STONE/BRICK SIDEWALK AND/OR STONE/BRICK ROADWAY	1,500.00	S.F.
710002	ADJUST WATER VALVE BOXES	20.00	EACH
762000	SAW CUTTING, BITUMINOUS CONCRETE	5,600.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	2,100.00	L.F.
763000	INITIAL EXPENSE/DE-MOBILIZATION	LUMP	SUM
801500	MAINTENANCE OF TRAFFIC, ALL INCLUSIVE	LUMP	SUM
802003	ARROW PANELS TYPE C	5.00	EA-DY
806001	TRAFFIC OFFICERS	160.00	HOUR
808001	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE I	5.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY STATE	1,700.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	200.00	HOUR
817003	TEMPORARY MARKINGS, PAINT, 4"	250.00	L.F.
817013	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	250.00	L.F.

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CONTRACT QUANTITIES SUMMARY SHEET

819018	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	5.00	EACH
908001	TOPSOIL	200.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	2,000.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	2,000.00	S.Y.

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