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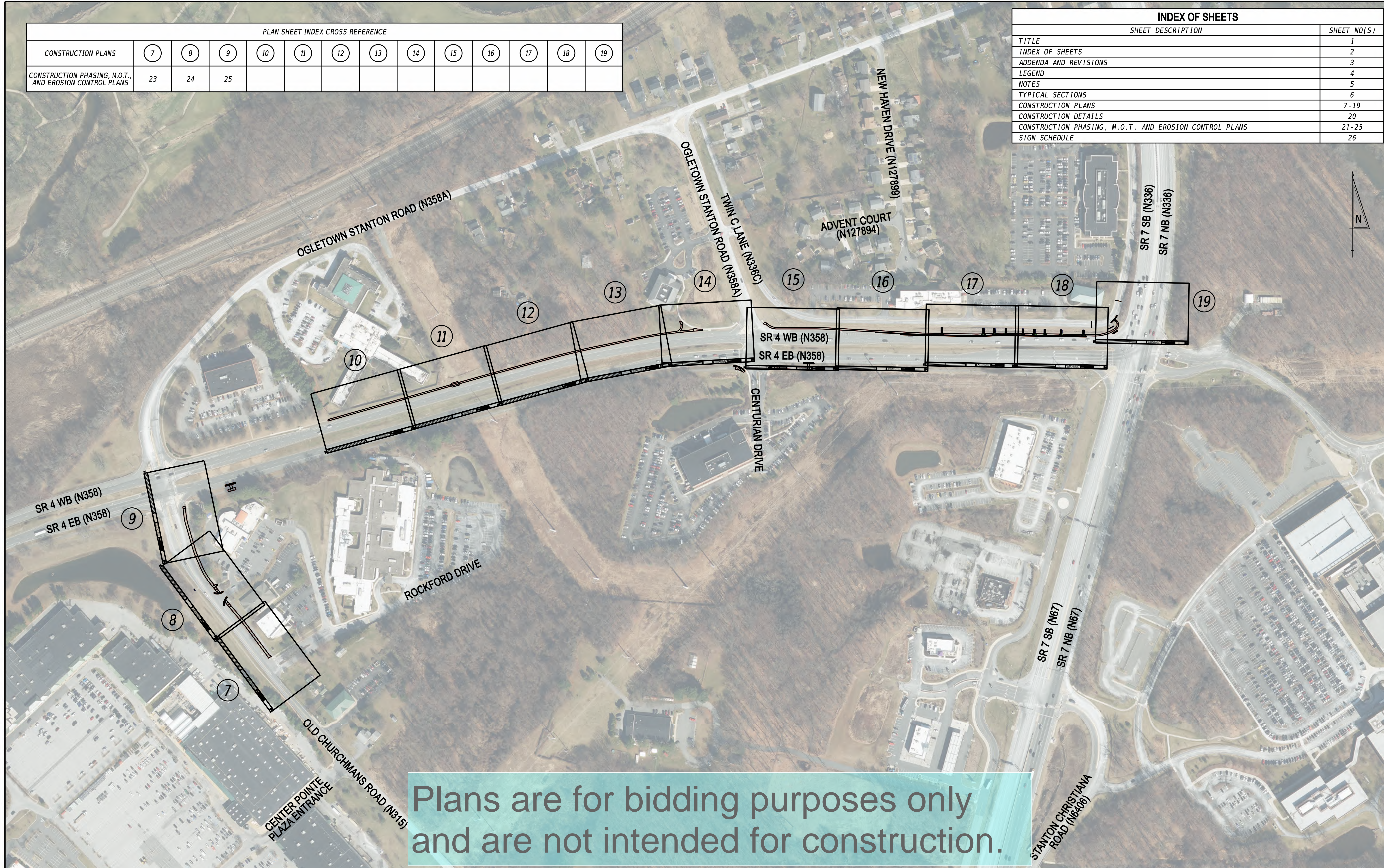
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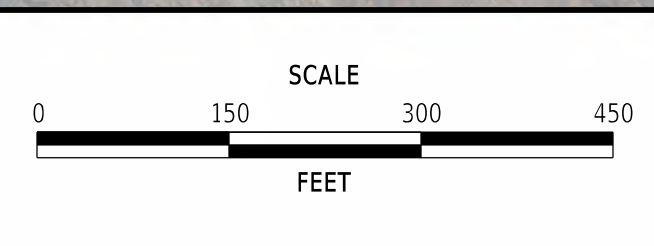


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ADDENDA / REVISIONS




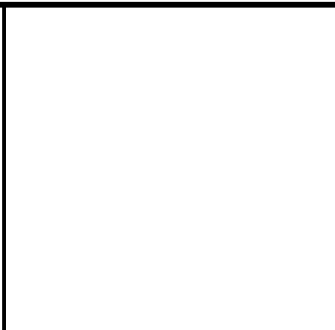
**PEDESTRIAN ACCESS ROUTES AND
SIDEWALK IMPROVEMENTS,
NEW CASTLE COUNTY FY25-FY27**

CONTRACT T202501101.02	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: S. NICKEL
	CHECKED BY: M. STEIMER

**WORK ORDER #4
INDEX OF SHEETS**

SECTION WM
SHEET NO. 2

ADDENDUM PREPARED BY Wallace Montgomery			
THIS SEAL APPLIES TO THE FOLLOWING SHEETS CHANGED UNDER ADDENDUM #X:			
XX, XX-XX, XX	DATE	SEAL	

REVISION PREPARED BY Wallace Montgomery			
THIS SEAL APPLIES TO THE FOLLOWING SHEETS CHANGED UNDER REVISION #X:			
XX, XX-XX, XX	DATE	SEAL	

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ADDENDA / REVISIONS		SCALE NOT NOTED	PEDESTRIAN ACCESS ROUTES AND SIDEWALK IMPROVEMENTS, NEW CASTLE COUNTY FY25-FY27	CONTRACT	BRIDGE NO.	N/A	WORK ORDER #4 ADDENDA AND REVISIONS	SECTION
				T202501101.02	DESIGNED BY: S. NICKEL	WM		
				COUNTY	CHECKED BY: M. STEIMER			SHEET NO.
			NEW CASTLE			3		

MANMADE ROADSIDE FEATURES			
FEATURE DESCRIPTION	EXISTING	PROPOSED	ID
BARRIER - DOUBLE-FACED, PERMANENT			
BARRIER - SINGLE-FACED, PERMANENT, TEST LEVEL 4 / TEST LEVEL 5	BARRIER, TYPE "X"		
BARRIER - HIGH TENSION CABLE (HTCB)			
BARRIER - HTCB END TERMINAL			
BOLLARD - STEEL POLE			
BOLLARD - WOOD POST			
CURB, TYPE 1 AND TYPE 3			
CURB, TYPE 2	CURB, TYPE "X"		
CURB & GUTTER, TYPE 1			
CURB & GUTTER, TYPE 2			
CURB & GUTTER, TYPE 3	C&G, TYPE "X"		
CURB OPENING - SUMP / ON GRADE			
CURB/SW OPENING - ADJACENT CURB			
CURB/SW OPENING - NON-ADJACENT CURB			
FENCE - CHAINLINK OR STRANDED			
FENCE - STOCKADE OR SPLIT RAIL			
FLAG POLE	F.P.		
GUARDRAIL - STEEL BEAM, TYPE 1			
GUARDRAIL - STEEL BEAM, TYPE 2			
GUARDRAIL - STEEL BEAM, TYPE 3			
GUARDRAIL - WIRE ROPE			
GUARDRAIL - END ANCHORAGE			
GUARDRAIL - END TREATMENT, TYPE 1			
GUARDRAIL - END TREATMENT, TYPE 2			
GUARDRAIL - END TREATMENT, TYPE 3			
IMPACT ATTENUATOR			
LAMP AND POST - RESIDENTIAL	LAMP		
MAILBOX	MB		
PARKING METER AND POST	P.M.		
PAVEMENT - FLEXIBLE			
PAVEMENT - RIGID			
PILE - BRIDGE			
PILLAR OR MISCELLANEOUS POST			
TRAFFIC SIGN AND POST			
WALL - BRICK OR BLOCK			
WALL - STONE			

DRAINAGE FEATURES			
FEATURE DESCRIPTION	EXISTING	PROPOSED	ID
BIOFILTRATION SWALE			
DITCH OR STREAM (V-SHAPE / TRAPEZOIDAL)			
DIRECTIONAL STREAM FLOW ARROW			
DRAINAGE INLET	C.B. / D.I.		
DRAINAGE JUNCTION BOX	J.B.		
DRAINAGE MANHOLE			
DRAINAGE PIPE AND FLOW ARROW	SIZE/TYPE LABEL		
FLARED END SECTION			
RIPRAP - AREA FEATURE			
RIPRAP - LINEAR FEATURE			
SAFETY END STRUCTURE			
UNDERDRAIN			
UNDERDRAIN OUTLET			

UTILITY FEATURES			
FEATURE DESCRIPTION	EXISTING	PROPOSED	
COMMUNICATIONS DISTRIBUTION BOX			
COMMUNICATIONS MANHOLE			
COMMUNICATIONS TEST POINT			
COMMUNICATIONS - UNDERGROUND	COMM(A)	COMM	
ELECTRIC - UNDERGROUND	E(A)	E	
ELECTRIC MANHOLE			
ELECTRIC METER			
ELECTRIC TRANSFORMER			
GAS - UNDERGROUND	G(A)	G	
GAS MANHOLE			
GAS METER	G.M.		
GAS VALVE	G.V.		
GAS PUMP - SERVICE STATION	G.P.		
IRRIGATION - UNDERGROUND	IR(A)	IR	
ITMS - UNDERGROUND	ITMS(A)	ITMS	
LIGHTING - UNDERGROUND	LI(A)	LI	
LUMINAIRE - POLE MOUNTED			
MANHOLE - UNDETERMINED OWNER			
RAILROAD TRACKS			
SANITARY - UNDERGROUND	S(A)	S	
SANITARY SEWER MANHOLE			
SANITARY SEWER VALVE	S.V.		
SANITARY SEWER CLEANOUT OR VENT	S.C.O.		
SEPTIC DRAIN FIELD	S.D.F.		
SIGNALIZATION - UNDERGROUND	SIG(A)	SIG	
SOIL BORING LOCATION			
TELEPHONE BOOTH			
TRAFFIC - CONDUIT JUNCTION WELL	J.W.		
TRAFFIC - LIGHT POLE AND BASE			
TRAFFIC - PEDESTRIAN POLE & BASE			
TRAFFIC - SIGNAL CABINET & BASE			
TRAFFIC - SIGNAL POLE AND BASE			
UTILITY BOX			
UTILITY MARKER			
UTILITY POLE GUY WIRE ANCHOR			
UTILITY POLE			
UTILITY TEST HOLE LOCATION			
WATER - UNDERGROUND	W(A)	W	
WATER - FIRE HYDRANT	F.H.	F.H.	
WATER METER	W.M.		
WATER VALVE	W.V.	W.V.	
WELL HEAD	WELL		

PAVEMENT SECTION(S)	
OVERLAY PAVEMENT - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS	
RECONSTRUCTED PAVEMENT - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS	
DRIVEWAY AND ENTRANCE PAVEMENT - SEE NOTES FOR MATERIALS AND DEPTHS	

NATURAL ROADSIDE FEATURES		
FEATURE DESCRIPTION	EXISTING	PROPOSED
HEDGEROW OR THICKET		
MARSH BOUNDARY LINE		
TREE - CONIFEROUS		
TREE - DECIDUOUS		
TREE STUMP		
SHRUBBERY		
WETLAND BOUNDARY - DELINEATED	WL	
WOODS LINE BOUNDARY		

RIGHT-OF-WAY FEATURES		
FEATURE DESCRIPTION	EXISTING	PROPOSED
DENIAL OF ACCESS	DA	DA
EASEMENT - OTHERS	EASEMENT TYPE	
PERMANENT EASEMENT	PE	PE
PROPERTY LINE		
PROPERTY MARKER - CONCRETE	C.M.	
PROPERTY MARKER - IRON PIPE	I.P.	
RIGHT-OF-WAY BASELINE	100+00	100+00
RIGHT-OF-WAY LINE	R/W	R/W
RIGHT-OF-WAY BY PE	R/W-PE	
RIGHT-OF-WAY & DENIAL OF ACCESS	R/W-DA	R/W-DA
RIGHT-TO-ENTER		RTE
TEMPORARY CONSTRUCTION EASEMENT		TCE

SURVEY CONTROL & MONUMENTATION	
FEATURE DESCRIPTION	EXISTING
POINT OF CURVATURE OR TANGENCY	
POINT OF INTERSECTING TANGENTS	
SURVEY BENCHMARK LOCATION	B.M.
SURVEY NGS POINT LOCATION	
SURVEY TIE POINT LOCATION	T.P.
SURVEY TRAVERSE POINT	

MISCELLANEOUS FEATURES	
FEATURE DESCRIPTION	PROPOSED
BRICK PATTERNED SURFACE	
BUTT JOINT	
CLEAR ZONE	CZ
CONSTRUCTION BASELINE	100+00
LATERAL OFFSET	LO
LIMIT OF CONSTRUCTION	LOC
PAVEMENT PATCH	
PAVEMENT REMOVAL - TOPSOIL, SEED AND MULCH	
P.C.C. SIDEWALK - 4"	
P.C.C. SIDEWALK - 6" (USE 8" DEPTH FOR CHANNELIZATION ISLANDS.)	
DETECTABLE WARNING SURFACE (DWS)	

IDENTIFIERS	
FEATURE DESCRIPTION	ID
ABANDON BY CONTRACTOR	
ABANDON BY OTHERS	
ADJUST BY CONTRACTOR	
ADJUST BY OTHERS	
BEST MANAGEMENT PRACTICE	
BUS STOP PAD / TYPE	
BUS STOP WITH SHELTER PAD / TYPE	
CONCRETE SAFETY BARRIER	
CONVERT TO JUNCTION BOX	
CONVERT TO DRAINAGE MANHOLE	
DO NOT DISTURB	
ENERGY DISSIPATOR	
FILL WITH FLOWABLE FILL	
LANDSCAPE PLANTINGS	
PEDESTRIAN CONNECTION / TYPE	
PEDESTRIAN CONNECTION / TYPE WITHOUT DETECTABLE WARNING SYSTEM	
RELOCATE BY CONTRACTOR	
RELOCATE BY OTHERS	
RELOCATE BY PROPERTY OWNER	
REMOVE BY CONTRACTOR	
REMOVE BY OTHERS	
REMOVE BY TRAFFIC CONTRACTOR	
RIGHT-OF-WAY MONUMENT	

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ADDENDA / REVISIONS

NOT TO SCALE

PEDESTRIAN ACCESS ROUTES AND SIDEWALK IMPROVEMENTS, NEW CASTLE COUNTY FY25-FY27

CONTRACT	T202501101.02	BRIDGE NO.	N/A
COUNTY	NEW CASTLE	DESIGNED BY:	S. NICKEL
		CHECKED BY:	M. STEIMER

WORK ORDER #4 LEGEND

SECTION	WM
SHEET NO.	4

GENERAL NOTES

1. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS", DATED JANUARY 2026 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD CONSTRUCTION DETAILS", DATED 2026.

2. ELECTRONIC DESIGN DATA FILES THAT WILL BE MADE AVAILABLE TO THE AWARDED CONTRACTOR, INCLUDE:

(X)	NONE
()	ASCII DATA FILES WITH COORDINATES AND ELEVATIONS FOR PROPOSED POINTS AS SELECTED BY THE ENGINEER.
()	DESIGN FILE, IN .DGN FORMAT, THAT CONTAINS 3D TRIANGLES REPRESENTING THE EXISTING SURFACE.
()	DESIGN FILE, IN .DGN FILE FORMAT, THAT CONTAINS 3D FEATURE LINES FOR THE PROPOSED DESIGN. 3D FEATURE LINES ARE FOR THE PROPOSED TOP SURFACE ELEVATION ONLY.

NOTE: THE DOCUMENT ENTITLED "RELEASE FOR DELIVERY OF DOCUMENTS IN ELECTRONIC FORM TO A CONTRACTOR" MUST BE SIGNED BY ALL PARTIES PRIOR TO THE DELIVERY OF ANY ELECTRONIC PROJECT FILES.

NOTE: THERE MAY BE SOME AREAS OF THE PROJECT NOT INCLUDED IN THE ELECTRONIC DESIGN DATA FILE(S). IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE DESIGN DATA FILE AND DETERMINE THE LIMITS OF THE PROJECT INCLUDED.

3. PROJECT FILES THAT WILL BE MADE AVAILABLE TO THE CONTRACTOR, INCLUDE:

()	CROSS SECTIONS
()	RIGHT-OF-WAY PLANS

4. THE CONTRACTOR SHALL VERIFY ALL PROPOSED CONSTRUCTION GRADES AND COORDINATES PROVIDED BY THE ENGINEER FOR COMPLIANCE WITH THE CONTRACT REQUIREMENTS PRIOR TO FIELD LAYOUT. THE CONTRACTOR SHALL IMMEDIATELY BRING TO THE ATTENTION OF THE ENGINEER ANY DISCOVERED DISCREPANCIES OR OTHER ELEMENTS WHICH WOULD PROHIBIT THE CONTRACTOR FROM MEETING THE REQUIREMENTS OF THE CONTRACT. WHEN THE ENGINEER DOES NOT PROVIDE PROPOSED GRADES AND COORDINATE INFORMATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPUTING AND ESTABLISHING THIS INFORMATION SUCH THAT IT MEETS ALL CONTRACT REQUIREMENTS. IN ALL CASES, THE CONTRACTOR SHALL ENSURE THAT ALL PROPOSED WORK INCLUDING PEDESTRIAN CONNECTIONS, ROADWAYS OR DITCHES, DRAINAGE STRUCTURES, OR OTHER ITEMS OF WORK AS DETERMINED BY THE ENGINEER, HAVE POSITIVE DRAINAGE. ALL COSTS INCIDENTAL TO ITEM 763622 - CONSTRUCTION ENGINEERING, PAR REHABILITATION.

PROJECT NOTES

SECTION 100

- ANY DAMAGE TO ITEMS NOTED TO BE RELOCATED OR RESET BY THE CONTRACTOR, AT THE DISCRETION OF THE ENGINEER, SHALL BE REPAIRED AND/OR REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL CONTACT THE DELAWARE TMC AT 302-659-4600 PRIOR TO ANY UNMANNED AERIAL VEHICLE (UAV) FLIGHTS. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE THE FOLLOWING INFORMATION: THE REGISTRATION NUMBER OF THE UAV, THE FLIGHT TIME, LOCATION OF THE FLIGHT, THE PILOT'S NAME AND THE PILOT'S CONTACT NUMBER DURING THE FLIGHT.
- NIGHT WORK IS NOT PERMITTED ON THIS PROJECT UNLESS THE CONTRACTOR OBTAINS: APPROVAL FROM THE ENGINEER, ACCEPTABLE RESPONSES ON NIGHT WORK SURVEYS, AND ACCEPTANCE FROM ALL APPLICABLE MUNICIPALITIES AND COUNTY GOVERNMENTS. METHOD AND FORMAT OF NIGHT WORK SURVEYS WILL BE PROVIDED BY THE ENGINEER UPON REQUEST. ENGINEER WILL OBTAIN ALL NECESSARY MUNICIPALITY AND COUNTY APPROVALS. NIGHT WORK, SURVEYS, AND COORDINATION WITH MUNICIPALITIES IS NOT COMPENSABLE AND THE TIME TO COMPLETE THE SURVEYS AND OBTAIN APPROVAL IS NOT EXCUSABLE."

SECTION 200

- ITEMS TO BE REMOVED UNDER ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
 - BOLLARDS
- EXCAVATION FOR THE FOLLOWING SECTION(S) WILL NOT BE INCIDENTAL TO THEIR INDIVIDUAL CONSTRUCTION ITEMS AND WILL BE QUANTIFIED AND PAID UNDER ITEM 202000 - EXCAVATION AND EMBANKMENT:
 - LIMITS OF PAVEMENT PATCHES
 - SHARED USE PATH
 - MINOR DITCH GRADING
- ONLY EXISTING FEATURES WITHIN THE LOC IDENTIFIED WITH REMOVE BY CONTRACTOR OR BY OTHER METHODS ARE TO BE REMOVED OR DISTURBED.

SECTION 400

- THE PAVEMENT SECTION FOR FLEXIBLE PAVEMENT RESIDENTIAL DRIVEWAYS SHALL BE 2" BITUMINOUS CONCRETE, TYPE 'C' OVER 8" GABC, UNLESS OTHERWISE NOTED ON THE PLANS OR AS DETERMINED BY ENGINEER IN THE FIELD AS NEEDED TO MATCH EXISTING.

PROJECT NOTES (CONT.)

SECTION 600

- DRAINAGE INLET GRATES ADJACENT TO THE CURB OR EDGE PAVING, WITHIN THE PROJECT LIMITS, WHICH ARE NOT TYPE 1 OR TYPE 4, SHALL BE REPLACED WITH TYPE 1. INLET GRATES WITHIN THE PAVING, NOT ADJACENT TO THE CURB OR EDGE OF PAVING SHALL BE REPLACED WITH TYPE 3. 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 DELAWARE DEPARTMENT OF TRANSPORTATION'S MARSH ROAD MAINTENANCE YARD WITH THE COST OF DELIVERY INCIDENTAL TO ITEM 602100 - DRAINAGE INLET GRATE(S) & ITEM 602101 - DRAINAGE INLET FRAMES(S). FINAL PAYMENT FOR DRAINAGE INLET GRATES/FRAMES WILL NOT BE MADE UNTIL RECEIPT OF DELIVERED MATERIALS IS PRODUCED, SIGNED BY A DELDOT MAINTENANCE YARD SUPERVISOR.

SECTION 700

- IN AREAS WHERE PROPOSED CURB MEETS EXISTING CURB AND THE TWO CURB TYPES ARE NOT SIMILAR, THE PROPOSED CURB SHALL BE TRANSITIONED IN 10 LINEAR FEET, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE TRANSITIONED CURB WORK WILL BE MEASURED AND PAID FOR UNDER THE PROPOSED CURB ITEM. SAW CUTTING OF THE EXISTING CURB SHALL BE INCIDENTAL TO THE PROPOSED CURB ITEM.
- WHERE PROPOSED CONCRETE SIDEWALK IS CONSTRUCTED TO MEET EXISTING SIDEWALK, THE EXISTING SIDEWALK SHALL BE SAWCUT AT THE TIE-IN POINT OR MEET THE NEAREST EXISTING SIDEWALK JOINT. ALL SAW CUTTING SHALL BE FULL DEPTH, UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER AND SHALL BE PAID FOR UNDER ITEM 762001 - SAW CUTTING, CONCRETE, FULL DEPTH.
- THE NEW CASTLE COUNTY DEPARTMENT OF PUBLIC WORKS SHALL SUPPLY AND THE STATE'S CONTRACTOR SHALL INSTALL NEW SELF SEALING MANHOLE FRAMES AND COVERS ON ALL COUNTY SEWER MANHOLES THAT ARE NOT BEING RELOCATED, WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH THE COUNTY'S STANDARD SPECIFICATIONS. THE EXISTING MANHOLE FRAMES AND COVERS THAT ARE REMOVED SHALL BECOME THE PROPERTY OF THE STATE'S CONTRACTOR. PAYMENT SHALL BE INCIDENTAL TO ITEM 711500 - ADJUST AND REPAIR EXISTING SANITARY SEWER MANHOLE.
- THE CONTRACTOR SHALL DELIVER ALL EXCESS MILLED MATERIAL TO THE DELAWARE DEPARTMENT OF TRANSPORTATION'S CHAPMAN MAINTENANCE YARD. THE MATERIAL SHALL BE NEATLY STOCKPILED AT THE YARD. COSTS FOR THIS WORK SHALL BE INCIDENTAL TO THE MILLING ITEM UTILIZED FOR PAYMENT ON THE CONTRACT.
- ALL PAVED AREAS TO BE RECONSTRUCTED OR WIDENED SHALL BE SAWCUT AT THE POINT WHERE THE NEW PAVEMENT IS TO TIE INTO THE EXISTING PAVEMENT.

SECTION 900

- THIS PROJECT IS COVERED UNDER AN NPDES GENERAL PERMIT FOR CONSTRUCTION. UNDER THE GENERAL PERMIT, COMPLIANCE WITH DELDOT'S APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLANS WILL CONSTITUTE COMPLIANCE WITH THE NPDES INDUSTRIAL PERMITTING REQUIREMENTS FOR THIS CONSTRUCTION PROJECT. A COPY OF THE NPDES GENERAL PERMIT AND NOI IS KEPT ON FILE IN EACH OF THE CONSTRUCTION OFFICES AND THE DEPARTMENT'S STORMWATER SECTION. A COPY OF THE GENERAL PERMIT OR THE NOI CAN BE OBTAINED UPON REQUEST FROM EITHER THE DEPARTMENT'S STORMWATER ENGINEER OR THE APPROPRIATE CONSTRUCTION ENGINEER.

MISCELLANEOUS

- THE CONTRACTOR SHALL NOTIFY DART FIRST STATE AT DOT_DETOURS@DELAWARE.GOV AT LEAST 14 DAYS PRIOR TO THE START OF ANY DETOURS OR CONSTRUCTION, AND DOT_DTC_PROJECTDEVELOPMENT@DELAWARE.GOV AT SUCH TIME THE FACILITY IS COMPLETED AND OPERABLE FOR TRANSIT OPERATIONS. FOR EMERGENCY DETOUR INFORMATION ONLY, PLEASE CONTACT DTC'S CHIEF SCHEDULER AT 302-576-6019.
- ALL DART SIGNS HAVE BEEN UPDATED TO A NEW DESIGN. THE DELDOT SIGN SHOP DOES NOT FABRICATE THE UPDATED SIGN OR ANY SUPPLEMENTAL PLAQUES TO ALLOW FOR ADDITIONAL ROUTE NUMBERS. ALL REQUESTS FOR FABRICATION OF THESE SIGNS MUST BE MADE THROUGH DART TRANSIT AT (302) 576-6132.
- ANY STAGING AND/OR STOCKPILE AREA(S) OUTSIDE THE PROJECT'S LIMIT OF CONSTRUCTION (LOC) THAT INDIVIDUALLY OR CUMULATIVELY ARE LARGER THAN 10,000 SQUARE FEET, MUST BE APPROVED BY DELDOT'S ARCHAEOLOGIST. CONTACT THE CONSTRUCTION AREA ENGINEER WHO WILL COORDINATE WITH DELDOT'S ARCHAEOLOGIST.

WITHIN 30 DAYS, DELDOT WILL:
 - APPROVE THE USE OF THE PROPOSED STAGING AND STOCKPILE AREA(S);
 - REJECT THE REQUEST; OR
 - PERFORM AN ARCHAEOLOGICAL SURVEY TO DETERMINE WHETHER TO APPROVE OR REJECT THE REQUEST, WHICH MAY TAKE UP TO 3 MONTHS. IF AN ARCHAEOLOGICAL SURVEY IS NECESSARY, DELDOT OR A CONSULTANT ON ITS BEHALF WILL UNDERTAKE THE SURVEY.
- THE LOCATIONS OF ALL ABOVE GROUND ITEMS TO BE INSTALLED, SUCH AS SIGNS, ETC. SHALL BE VERIFIED BY THE ENGINEER PRIOR TO INSTALLATION. ALL COSTS INCIDENTAL TO ITEM 763622 - CONSTRUCTION ENGINEERING, PAR REHABILITATION.
- ALL CONSTRUCTION DEBRIS, EXCAVATED MATERIAL, BRUSH, ROCKS, AND REFUSE INCIDENTAL TO SUCH WORK SHALL BE PLACED EITHER ON SHORE ABOVE THE INFLUENCE OF FLOOD WATERS OR ON SOME SUITABLE DUMPING GROUND.
- THAT EFFORT SHALL BE MADE TO KEEP CONSTRUCTION DEBRIS FROM ENTERING ADJACENT WATERWAYS OR WETLANDS. ANY DEBRIS THAT ENTERS THOSE AREAS SHALL BE REMOVED IMMEDIATELY.
- THE DISPOSAL OF TREES, BRUSH, AND OTHER DEBRIS IN ANY STREAM CORRIDOR, WETLAND, SURFACE WATER, OR DRAINAGE AREA IS PROHIBITED.
- DELDOT ENVIRONMENTAL STUDIES SECTION MUST BE NOTIFIED IF THERE ARE ANY CHANGES TO THE PROJECT METHODS, FOOTPRINT, MATERIALS, OR DESIGNS, TO ALLOW THE DEPARTMENT TO COORDINATE WITH THE APPROPRIATE RESOURCE AGENCIES (COE, DNREC, AND SHPO), FOR APPROVAL AT DOT_ENVIRONMENTALSTUDIES@DELAWARE.GOV.
- ALL STATEMENTS AND AGREEMENTS HAVE BEEN ACCEPTED UNDER CONTRACT T202301101: PEDESTRIAN ACCESS ROUTES AND SIDEWALK IMPROVEMENTS, NEW CASTLE COUNTY FY23-FY26 (WORK ORDER #4).
- EXISTING SPOT ELEVATIONS ALONG SR 4 WESTBOUND ARE PROVIDED AS AN ATTACHMENT TO THE ADVERTISED CONTRACT DOCUMENTS. THE CONTRACTOR SHALL VERIFY EXISTING ELEVATIONS PRIOR TO CONSTRUCTING THE NEW CURB ALONG SR 4 WESTBOUND AND SHALL ENSURE POSITIVE DRAINAGE IS PROVIDED. EXISTING ELEVATION VERIFICATION WILL BE PAID FOR USING ITEM 763622 - CONSTRUCTION ENGINEERING, PAR REHABILITATION.

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ADDENDA / REVISIONS

SCALE NOT NOTED

PEDESTRIAN ACCESS ROUTES AND
SIDEWALK IMPROVEMENTS,
NEW CASTLE COUNTY FY25-FY27

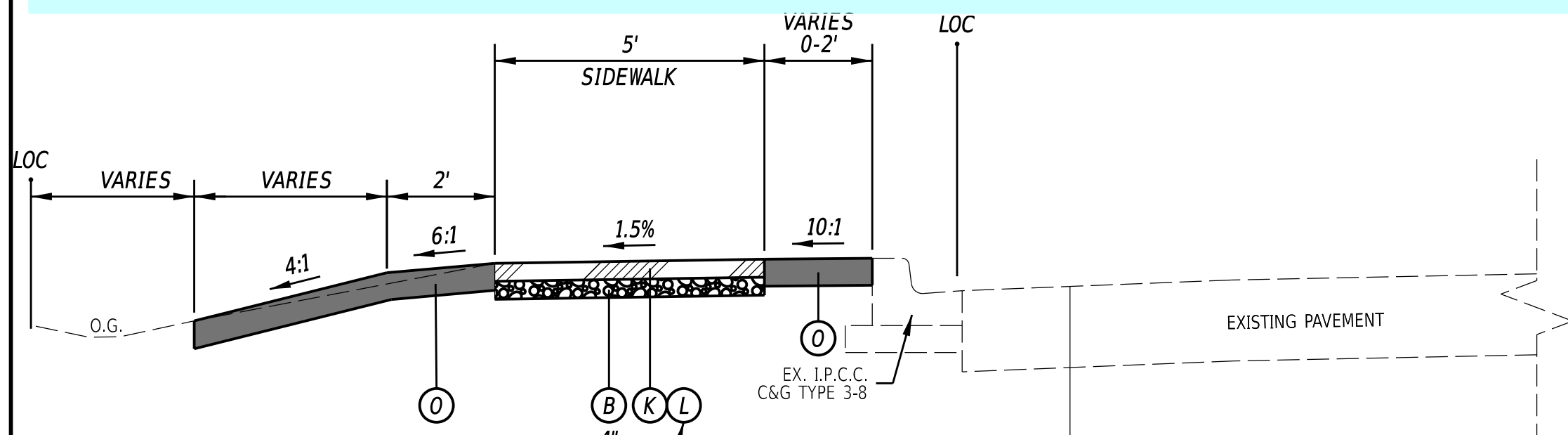
CONTRACT	BRIDGE NO.	N/A
T202501101.02	DESIGNED BY:	S. NICKEL
COUNTY	CHECKED BY:	C. YUSYPCHUK
NEW CASTLE		

WORK ORDER #4
NOTES

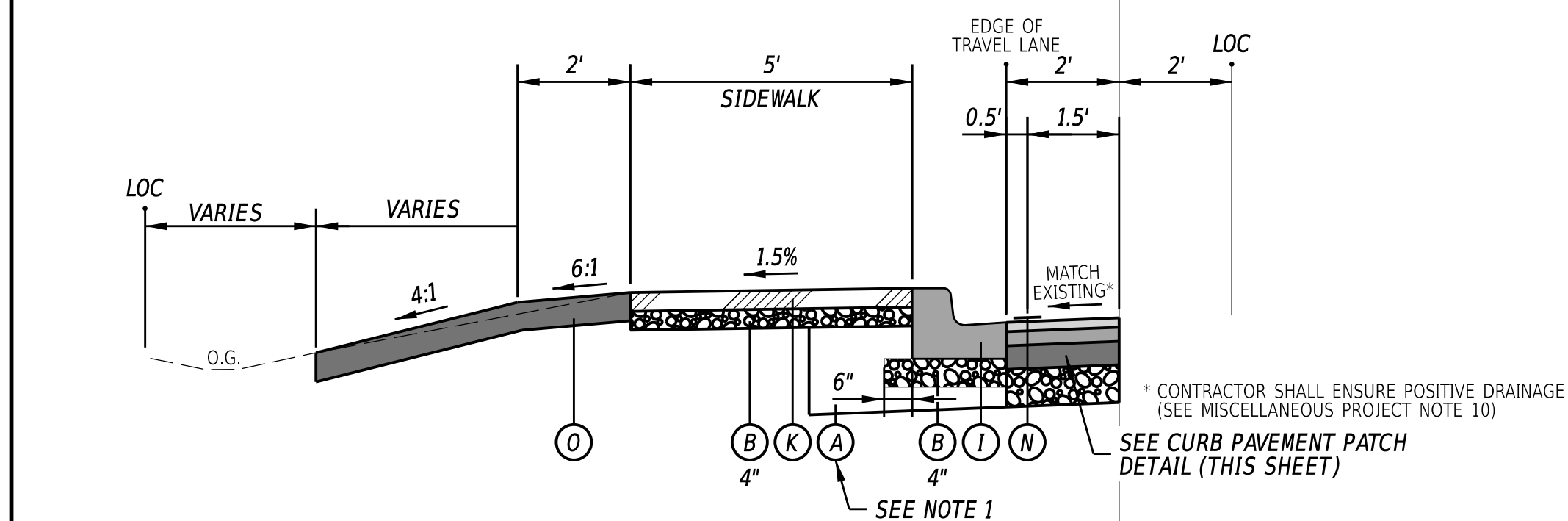
SECTION
WM
SHEET NO.
5



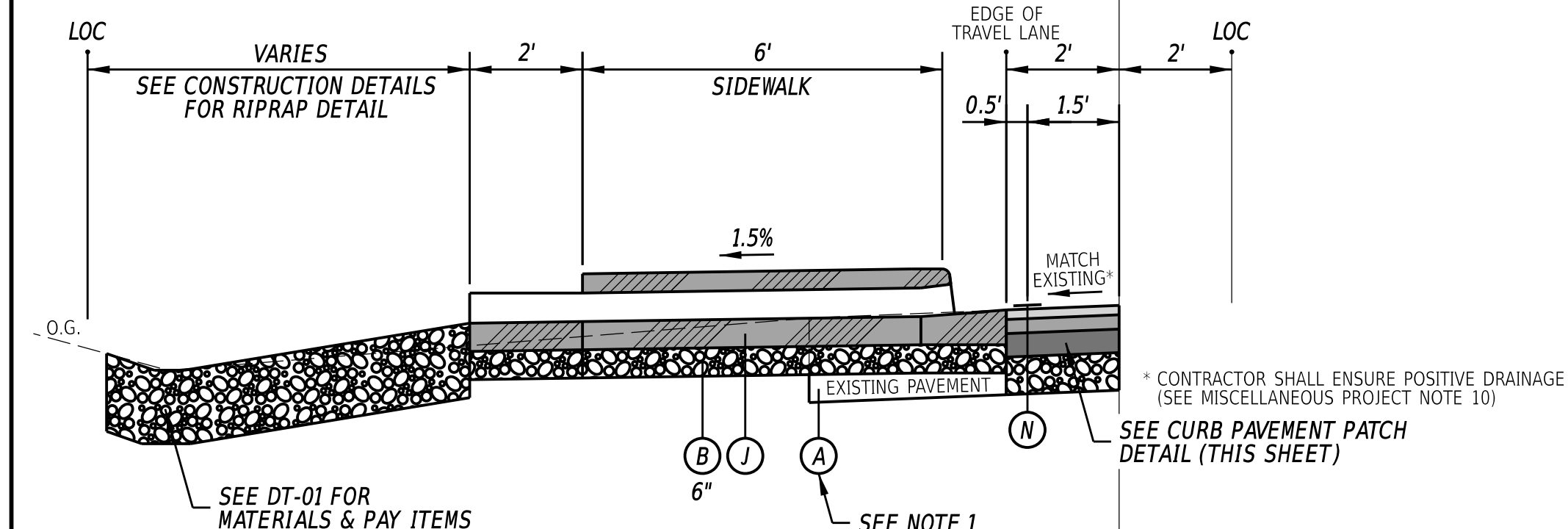
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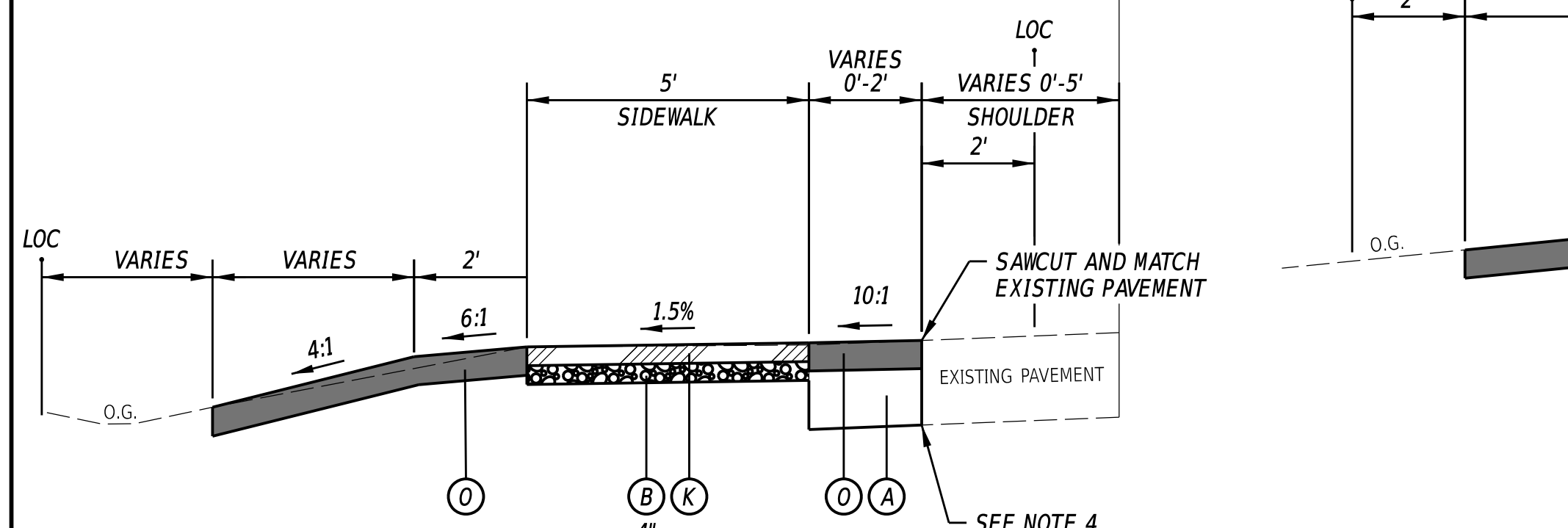
**TYPICAL SECTION - SIDEWALK
SR 4 FROM OGLETTOWN STANTON ROAD TO SR 7**
NOT TO SCALE



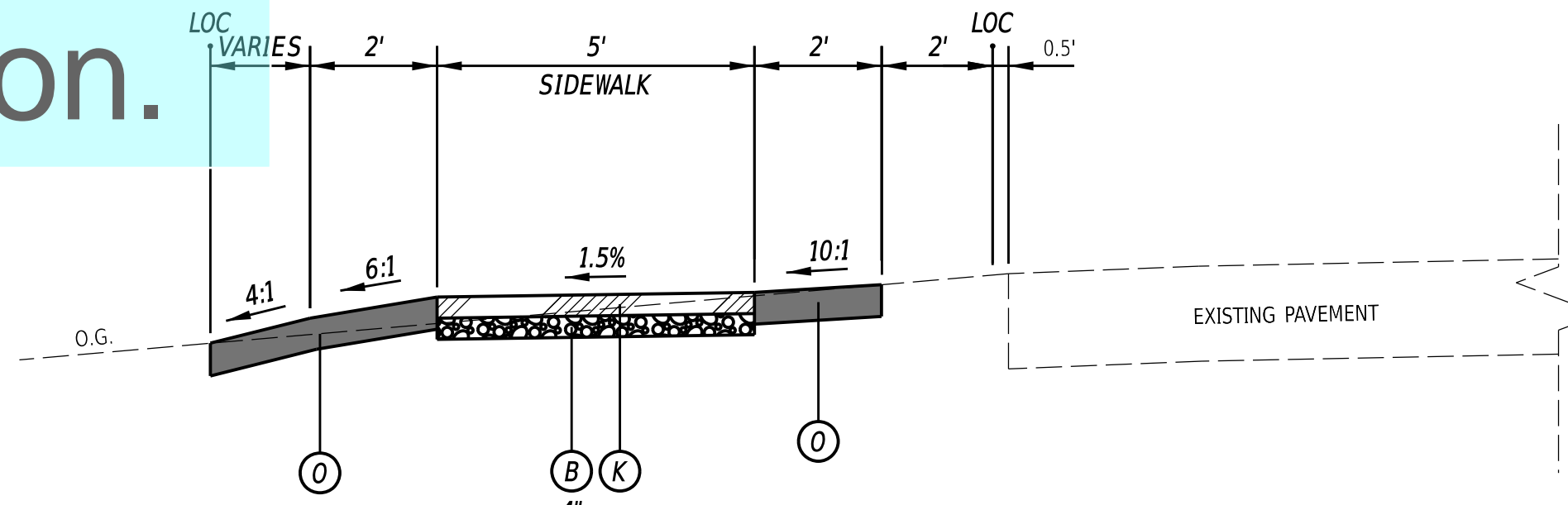
SIDEWALK WITH PROPOSED CURB
NOT TO SCALE



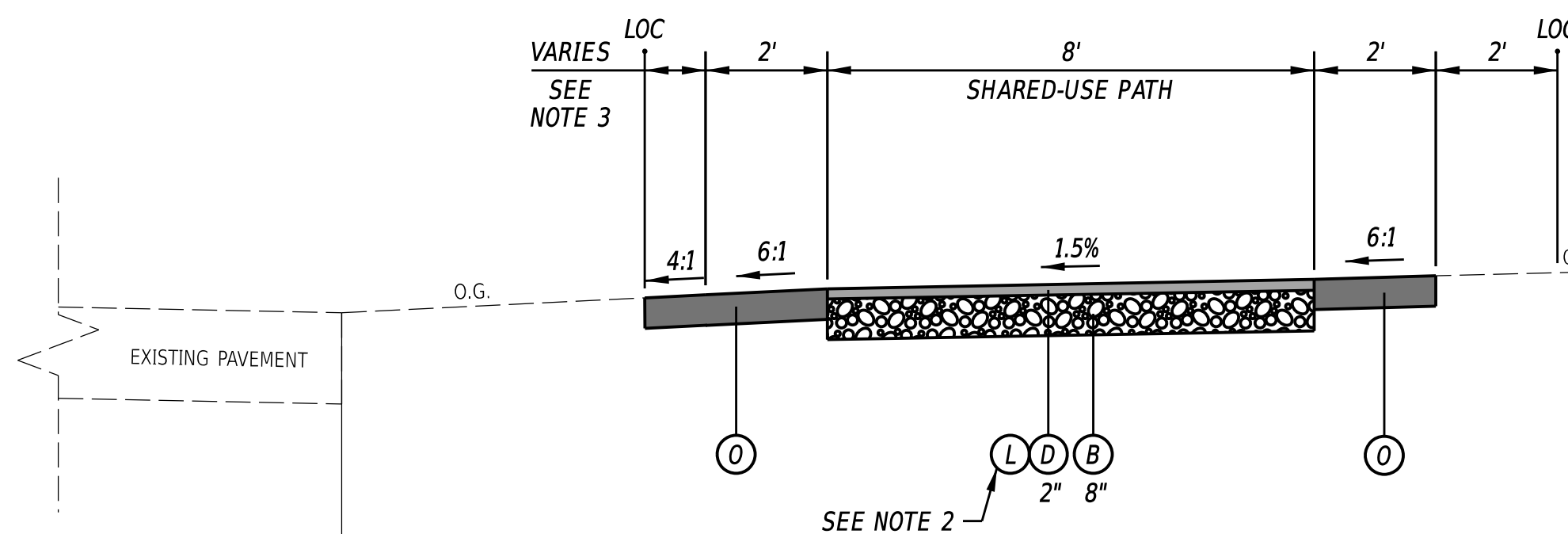
SIDEWALK WITH CURB OPENING
NOT TO SCALE



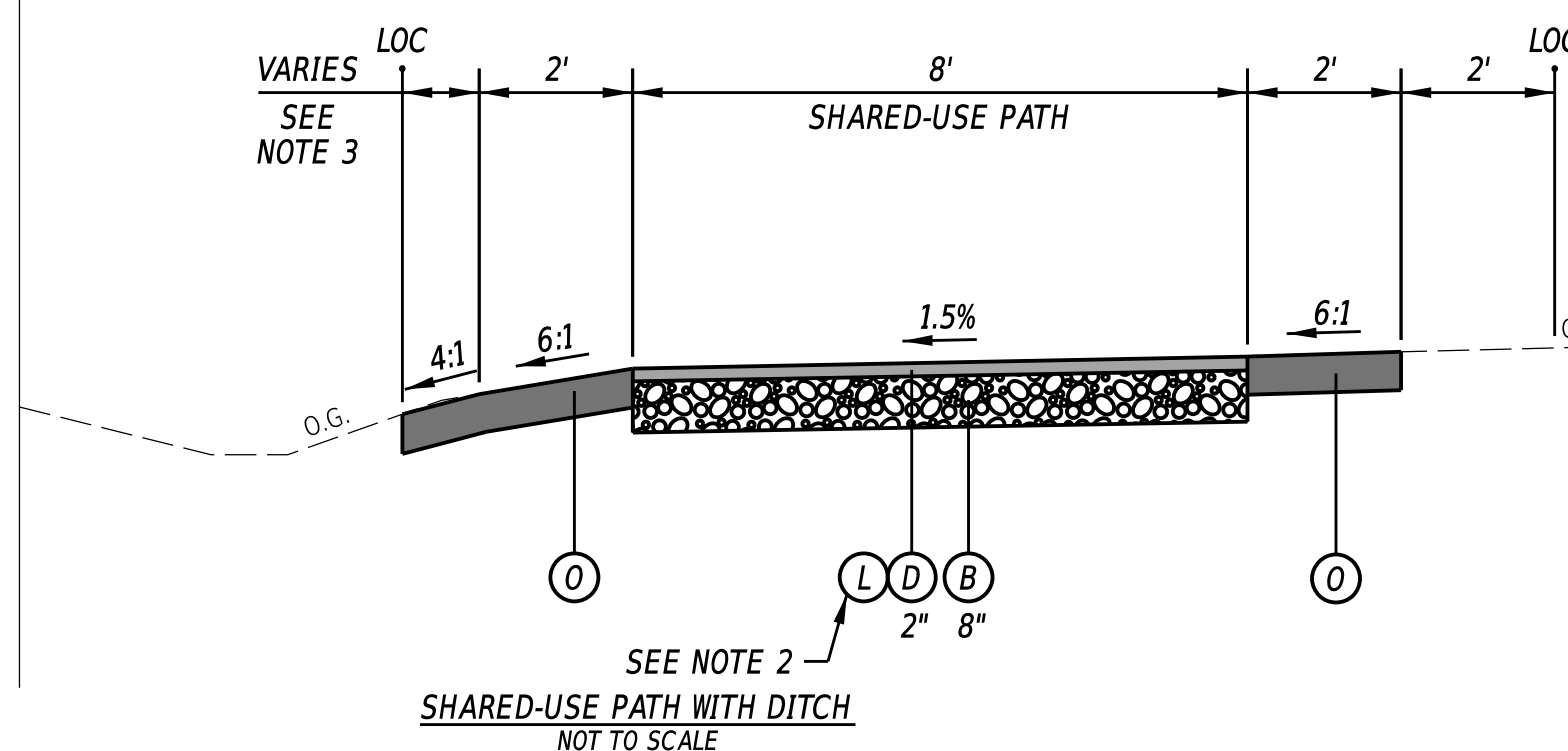
SIDEWALK WITH BUFFER
NOT TO SCALE



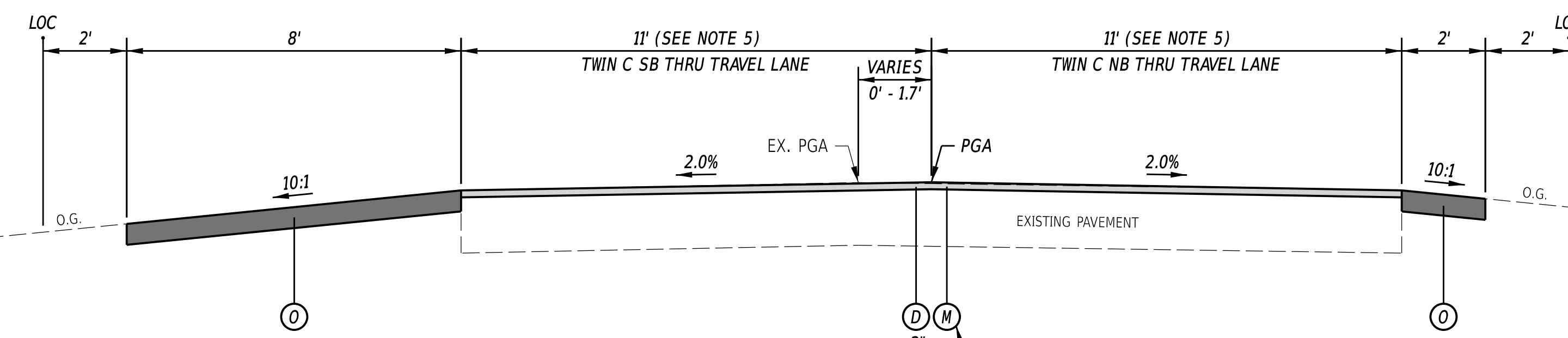
**TYPICAL SECTION - SIDEWALK
SR 4 FROM OLD CHURCHMANS ROAD TO OGLETTOWN STANTON ROAD**
NOT TO SCALE



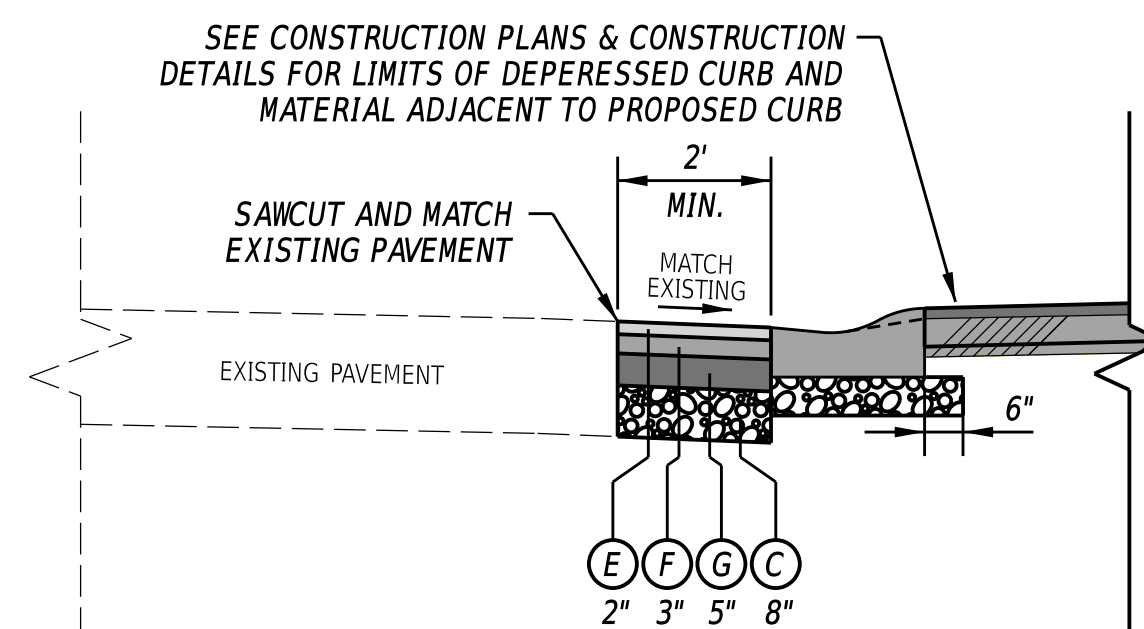
**TYPICAL SECTION - SHARED-USE PATH
OLD CHURCHMANS ROAD FROM ROCKFORD DRIVE TO SR 4**
NOT TO SCALE



SHARED-USE PATH WITH DITCH
NOT TO SCALE



**TYPICAL SECTION - MILL & OVERLAY
TWIN C LANE**
NOT TO SCALE



TYPICAL SECTION - CURB PAVEMENT PATCH
NOT TO SCALE

LEGEND

- (A) ITEM 209006 - BORROW, TYPE F
- (B) ITEM 301001 - GABC
- (C) ITEM 301002 - GABC, PATCHING
- (D) ITEM 401005 - SUPERPAVE TYPE C, 9.5 mm, PG 64-22 (CARBONATE STONE)
- (E) ITEM 401029 - SUPERPAVE TYPE C, 9.5 mm, PG 64-22, PATCHING
- (F) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (G) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (H) ITEM 701013 - PCC CURB, TYPE 1-8
- (I) ITEM 701023 - I.PCC CURB AND GUTTER, TYPE 3-8
- (J) ITEM 701510 - CURB/SIDEWALK OPENING
- (K) ITEM 705001 - PCC SIDEWALK, 4"
- (L) ITEM 705002 - PCC SIDEWALK, 6"
- (M) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (N) ITEM 861001 - PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 6"
- (O) ITEM 908004 - TOPSOIL, 6" DEPTH
- (O) ITEM 908016 - PERMANENT GRASS SEEDING, SUBDIVISION
- (O) ITEM 908020 - EROSION CONTROL BLANKET MULCH

MATERIAL	BINDER GRADE	LIFT THICKNESS	
		MINIMUM	MAXIMUM
BITUMINOUS CONCRETE, TYPE 'C' (4.75 mm MIX)	ALL	0.5"	1"
BITUMINOUS CONCRETE, TYPE 'C' (9.5 mm MIX)	ALL	1.25"	2"
BITUMINOUS CONCRETE, TYPE 'C' (12.5 mm MIX)	ALL	1.5"	2"
BITUMINOUS CONCRETE, TYPE 'B' (19 mm MIX)	76-22, 70-22	2.25"	4"
BITUMINOUS CONCRETE, TYPE 'B' (19 mm MIX)	64-22	2.25"	6"
BITUMINOUS CONCRETE BASE COURSE (25 mm MIX)	64-22	3"	6"
GRADED AGGREGATE BASE COURSE	ALL	4"	8"

NOTES:

1. CONTRACTOR SHALL USE BORROW, TYPE F AS NEEDED BELOW THE TOPSOIL LAYER TO ENSURE NEW SIDEWALK HAS POSITIVE DRAINAGE CONSISTENT WITH TYPICAL SECTIONS.
2. PORTLAND CEMENT CONCRETE SIDEWALK, 6" ON 6" GRADED AGGREGATE BASE COURSE, TYPE B SHOULD BE USED WHERE NOTED ON CONSTRUCTION PLANS.
3. ADDITIONAL GRADING OF 4:1 IS NOT NEEDED IF 2' OF 6:1 ADJACENT TO THE SHARED-USE PATH TIES INTO EXISTING GRADE.
4. SEE CONSTRUCTION PLANS FOR LIMITS OF ITEM 701023 - I.PCC CURB AND GUTTER, TYPE 3-8 AND PATCHING.
5. PROPOSED PGA SHALL BE LOCATED IN THE CENTER OF THE EXISTING WIDTH OF ROADWAY. THIS WIDTH MAY VARY WHILE TYING BACK INTO EXISTING ROADWAY BUT A MINIMUM OF 11' TRAVEL LANES SHALL BE MAINTAINED THROUGHOUT.
6. MILLING DEPTH VARIES TO ESTABLISH PROPOSED PGA BEFORE PAVING THE FINAL TYPE C LAYER.

4/27/2026 3:35:37 PM \\PR01\219056.0002\Highways\Cadd\W0#4 [2023]\TSD.dgn



ADDENDA / REVISIONS

NOT TO SCALE

**PEDESTRIAN ACCESS ROUTES AND
SIDEWALK IMPROVEMENTS,
NEW CASTLE COUNTY FY25-FY27**

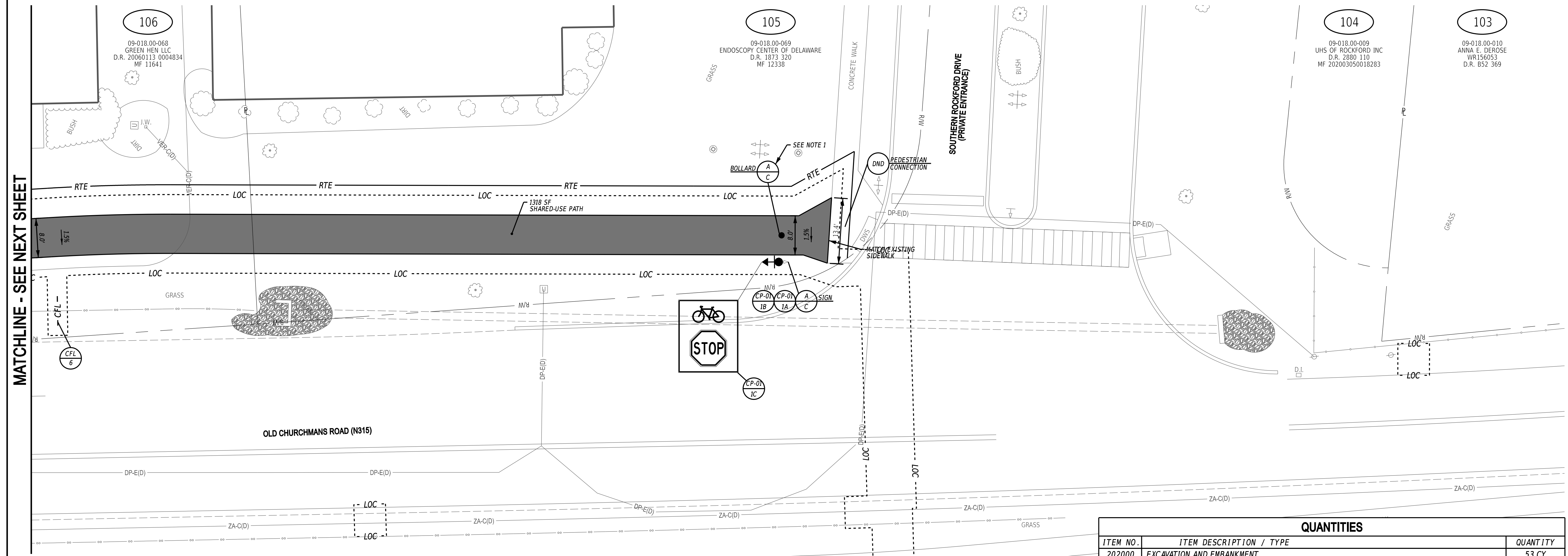
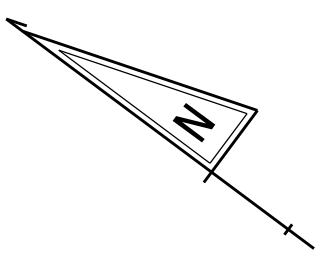
CONTRACT
T202501101.02
COUNTY
NEW CASTLE

BRIDGE NO. N/A
DESIGNED BY: S. NICKEL
CHECKED BY: M. STEIMER

**WORK ORDER #4
TYPICAL SECTIONS**

SECTION
WM
SHEET NO.
6

Plans are for bidding purposes only and are not intended for construction.



MATCHLINE - SEE NEXT SHEET

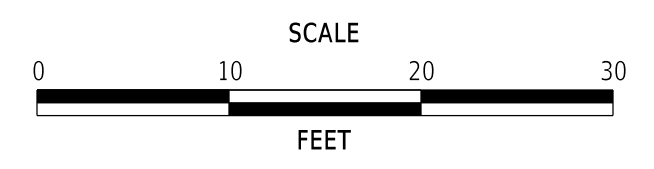
- NOTES:**
- EXISTING BOLLARD SHALL BE REMOVED AND SHALL BE PAID FOR UNDER ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS. NEW BOLLARD TO BE INSTALLED IN THE SAME LOCATION AND SHALL BE PAID FOR UNDER ITEM 720556 - BOLLARD.
 - WHERE A RIGHT-TO-ENTER (RTE) LINE IS DESIGNATED ON THE PLANS, IT INDICATES LOCATIONS WHERE THE DEPARTMENT ALREADY HAS THE RIGHT, UNDER DELAWARE CODE, TO ENTER ONTO PRIVATE PROPERTY TO MAINTAIN, REPAIR, OR RECONSTRUCT FACILITIES USED BY THE PUBLIC AND MAINTAINED AT PUBLIC EXPENSE.

QUANTITIES		
ITEM NO.	ITEM DESCRIPTION / TYPE	QUANTITY
202000	EXCAVATION AND EMBANKMENT	53 CY
301001	GABC	33 CY
401005	SUPERPAVE TYPE C, 9.5 mm, PG 64-22 (CARBONATE STONE)	18 TON
720556	BOLLARD	1 EACH
813501	TEMPORARY SIDEWALK, TYPE 2 (BOARDWALK)	11 LF
818001	SUPPLY OF ROADSIDE FLAT SHEET ALUMINUM SIGN PANEL, TYPE IV, RETROREFLECTIVE SHEETING	7 SF
819003	INSTALL OR REMOVE TRAFFIC SIGNS	1 EACH
865004	TEMPORARY MARKINGS, TAPE, 12"	98 LF
907017	COMPOST FILTER LOGS	6 LF
908004	TOPSOIL, 6" DEPTH	74 SY
908016	PERMANENT GRASS SEEDING, SUBDIVISION	74 SY
908020	EROSION CONTROL BLANKET MULCH	74 SY

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ADDENDA / REVISIONS



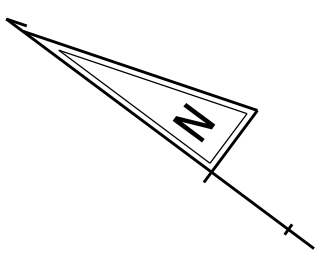
PEDESTRIAN ACCESS ROUTES AND SIDEWALK IMPROVEMENTS, NEW CASTLE COUNTY FY25-FY27

CONTRACT	BRIDGE NO.	N/A
T202501101.02	DESIGNED BY:	S. NICKEL
COUNTY	CHECKED BY:	M. STEIMER
NEW CASTLE		

WORK ORDER #4 CONSTRUCTION PLAN

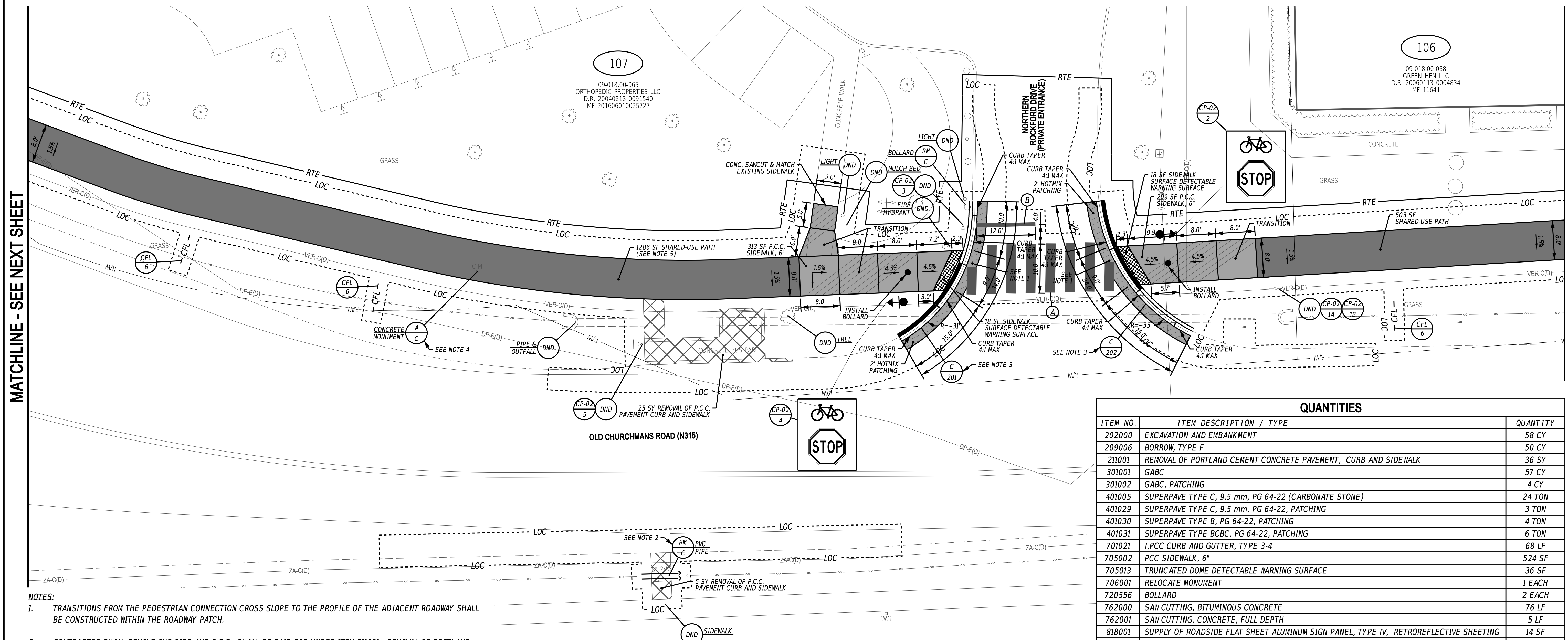
CP-01
SECTION
WM
SHEET NO.
7

Plans are for bidding purposes only and are not intended for construction.



PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 24" SOLID (ITEM 862006)	144 SF
(B)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 862006)	27 SF

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
201	1.PCC CURB AND GUTTER, TYPE 3-4	34'
202	1.PCC CURB AND GUTTER, TYPE 3-4	34'



MATCHLINE - SEE NEXT SHEET

MATCHLINE - SEE PREVIOUS SHEET

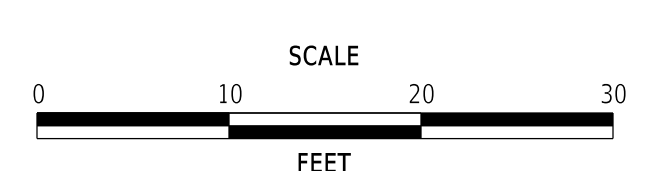
- NOTES:**
- TRANSITIONS FROM THE PEDESTRIAN CONNECTION CROSS SLOPE TO THE PROFILE OF THE ADJACENT ROADWAY SHALL BE CONSTRUCTED WITHIN THE ROADWAY PATCH.
 - CONTRACTOR SHALL REMOVE PVC PIPE AND P.C.C., SHALL BE PAID FOR UNDER ITEM 211001 - REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK. PROPOSED DITCH SHALL BE GRADED TO MATCH EXISTING DITCH PDGA/CENTERLINE AND SHALL BE PAID FOR UNDER ITEM 202000 - EXCAVATION AND EMBANKMENT. WORK SHALL BE COMPLETED AND GROUND SHALL BE STABILIZED IN 1 DAY SO NO NECESSARY EROSION AND SEDIMENT CONTROL IS NEEDED.
 - DURING PLACEMENT OF DEPRESSED CURB AND/OR ASPHALT PATCHING, CONTRACTOR MUST VERIFY THERE IS POSITIVE DRAINAGE ACROSS THE PEDESTRIAN CONNECTION SO THAT ANY POTENTIAL SUMP AREA IS OUTSIDE OF THE PEDESTRIAN ROUTE.
 - MONUMENT IN SHARED-USE PATH SHALL BE ADJUSTED TO BE IN ACCORDANCE WITH SECTION 3.1.5.2.1 IN THE 2021 PEDESTRIAN ACCESSIBILITY STANDARDS FOR FACILITIES IN THE PUBLIC RIGHT-OF-WAY. ALL WORK TO BE INCLUDED IN ITEM 706001 - RELOCATE MONUMENT.
 - WHERE A RIGHT-TO-ENTER (RTE) LINE IS DESIGNATED ON THE PLANS, IT INDICATES LOCATIONS WHERE THE DEPARTMENT ALREADY HAS THE RIGHT, UNDER DELAWARE CODE, TO ENTER ONTO PRIVATE PROPERTY TO MAINTAIN, REPAIR, OR RECONSTRUCT FACILITIES USED BY THE PUBLIC AND MAINTAINED AT PUBLIC EXPENSE.

QUANTITIES		
ITEM NO.	ITEM DESCRIPTION / TYPE	QUANTITY
202000	EXCAVATION AND EMBANKMENT	58 CY
209006	BORROW, TYPE F	50 CY
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	36 SY
301001	GABC	57 CY
301002	GABC, PATCHING	4 CY
401005	SUPERPAVE TYPE C, 9.5 mm, PG 64-22 (CARBONATE STONE)	24 TON
401029	SUPERPAVE TYPE C, 9.5 mm, PG 64-22, PATCHING	3 TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	4 TON
401031	SUPERPAVE TYPE BCBC, PG 64-22, PATCHING	6 TON
701021	1.PCC CURB AND GUTTER, TYPE 3-4	68 LF
705002	PCC SIDEWALK, 6"	524 SF
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	36 SF
706001	RELOCATE MONUMENT	1 EACH
720556	BOLLARD	2 EACH
762000	SAW CUTTING, BITUMINOUS CONCRETE	76 LF
762001	SAW CUTTING, CONCRETE, FULL DEPTH	5 LF
818001	SUPPLY OF ROADSIDE FLAT SHEET ALUMINUM SIGN PANEL, TYPE IV, RETROREFLECTIVE SHEETING	14 SF
819001	PROVIDE GALVANIZED TELESCOPING SIGN POST	2 EACH
819002	INSTALL OR REMOVE GALVANIZED TELESCOPING SIGN POST	2 EACH
819003	INSTALL OR REMOVE TRAFFIC SIGNS	2 EACH
862006	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, SYMBOL/LEGEND	171 SF
907017	COMPOST FILTER LOGS	18 LF
908004	TOPSOIL, 6" DEPTH	140 SY
908016	PERMANENT GRASS SEEDING, SUBDIVISION	140 SY
908020	EROSION CONTROL BLANKET MULCH	140 SY

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ADDENDA / REVISIONS



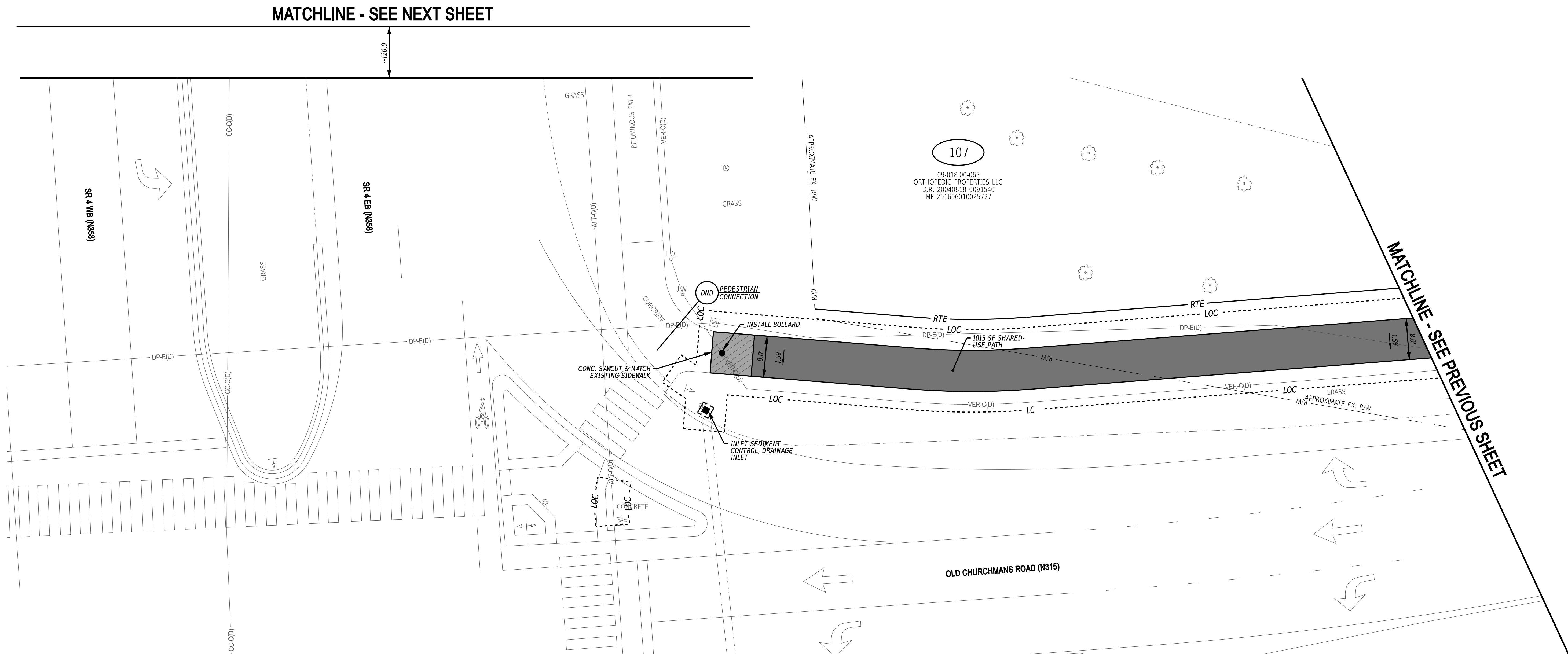
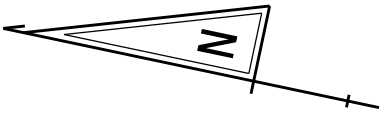
PEDESTRIAN ACCESS ROUTES AND SIDEWALK IMPROVEMENTS, NEW CASTLE COUNTY FY25-FY27

CONTRACT	BRIDGE NO.	N/A
T202501101.02	DESIGNED BY:	S. NICKEL
COUNTY	CHECKED BY:	M. STEIMER
NEW CASTLE		

WORK ORDER #4 CONSTRUCTION PLAN

CP-02
SECTION
WM
SHEET NO.
8

Plans are for bidding purposes only and are not intended for construction.



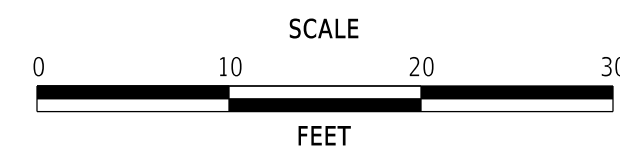
- NOTES:**
- WHERE A RIGHT-TO-ENTER (RTE) LINE IS DESIGNATED ON THE PLANS, IT INDICATES LOCATIONS WHERE THE DEPARTMENT ALREADY HAS THE RIGHT, UNDER DELAWARE CODE, TO ENTER ONTO PRIVATE PROPERTY TO MAINTAIN, REPAIR, OR RECONSTRUCT FACILITIES USED BY THE PUBLIC AND MAINTAINED AT PUBLIC EXPENSE.

QUANTITIES		
ITEM NO.	ITEM DESCRIPTION / TYPE	QUANTITY
202000	EXCAVATION AND EMBANKMENT	42 CY
301001	GABC	27 CY
401005	SUPERPAVE TYPE C, 9.5 mm, PG 64-22 (CARBONATE STONE)	14 TON
705002	PCC SIDEWALK, 6"	64 SF
720556	BOLLARD	1 EACH
762001	SAW CUTTING, CONCRETE FULL DEPTH	8 LF
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	1 EACH
908004	TOPSOIL, 6" DEPTH	59 SY
908016	PERMANENT GRASS SEEDING, SUBDIVISION	59 SY
908020	EROSION CONTROL BLANKET MULCH	59 SY

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ADDENDA / REVISIONS



PEDESTRIAN ACCESS ROUTES AND SIDEWALK IMPROVEMENTS, NEW CASTLE COUNTY FY25-FY27

CONTRACT	BRIDGE NO.	N/A
T202501101.02	DESIGNED BY:	S. NICKEL
COUNTY	CHECKED BY:	M. STEIMER
NEW CASTLE		

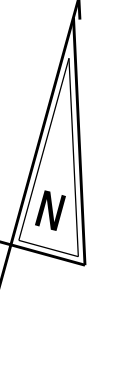
WORK ORDER #4 CONSTRUCTION PLAN

CP-03
SECTION
WM
SHEET NO.
9

QUANTITIES		
ITEM NO.	ITEM DESCRIPTION / TYPE	QUANTITY
202000	EXCAVATION AND EMBANKMENT	73 CY
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	18 SY
301001	GABC	25 CY
301002	GABC, PATCHING	2 CY
401005	SUPERPAVE TYPE C, 9.5 mm, PG 64-22 (CARBONATE STONE)	3 TON
401029	SUPERPAVE TYPE C, 9.5 mm, PG 64-22, PATCHING	1 TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	2 TON
401031	SUPERPAVE TYPE BCBC, PG 64-22, PATCHING	3 TON
701016	1. PCC CURB AND GUTTER, TYPE 1-4	38 LF
705001	PCC SIDEWALK, 4"	1423 SF
705002	PCC SIDEWALK, 6"	169 SF
762000	SAW CUTTING, BITUMINOUS CONCRETE	58 LF
819002	INSTALL OR REMOVE GALVANIZED TELESCOPING SIGN POST	2 EACH
819003	INSTALL OR REMOVE TRAFFIC SIGNS	2 EACH
905001	SILT FENCE	288 LF
908004	TOPSOIL, 6" DEPTH	139 SY
908016	PERMANENT GRASS SEEDING, SUBDIVISION	139 SY
908020	EROSION CONTROL BLANKET MULCH	139 SY

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
401	1. PCC CURB AND GUTTER, TYPE 1-4	38'

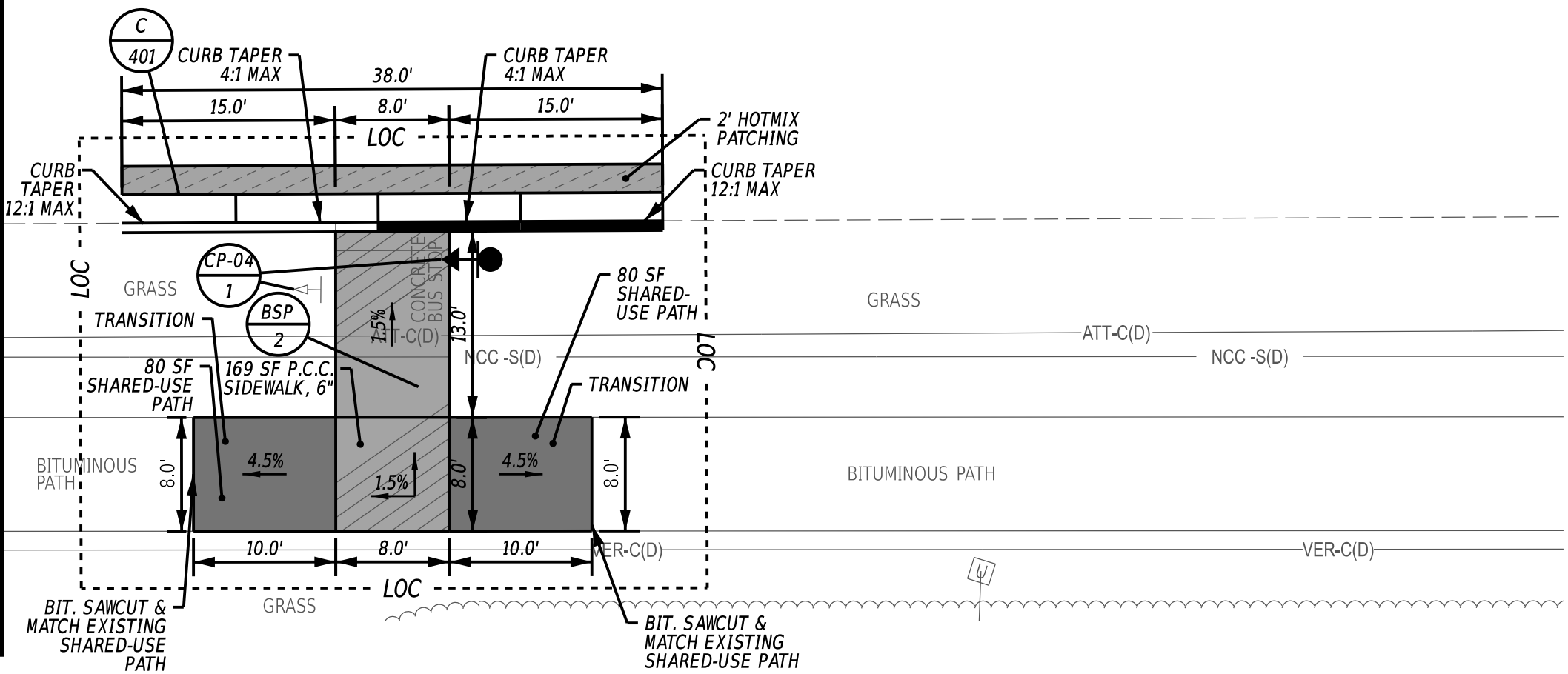
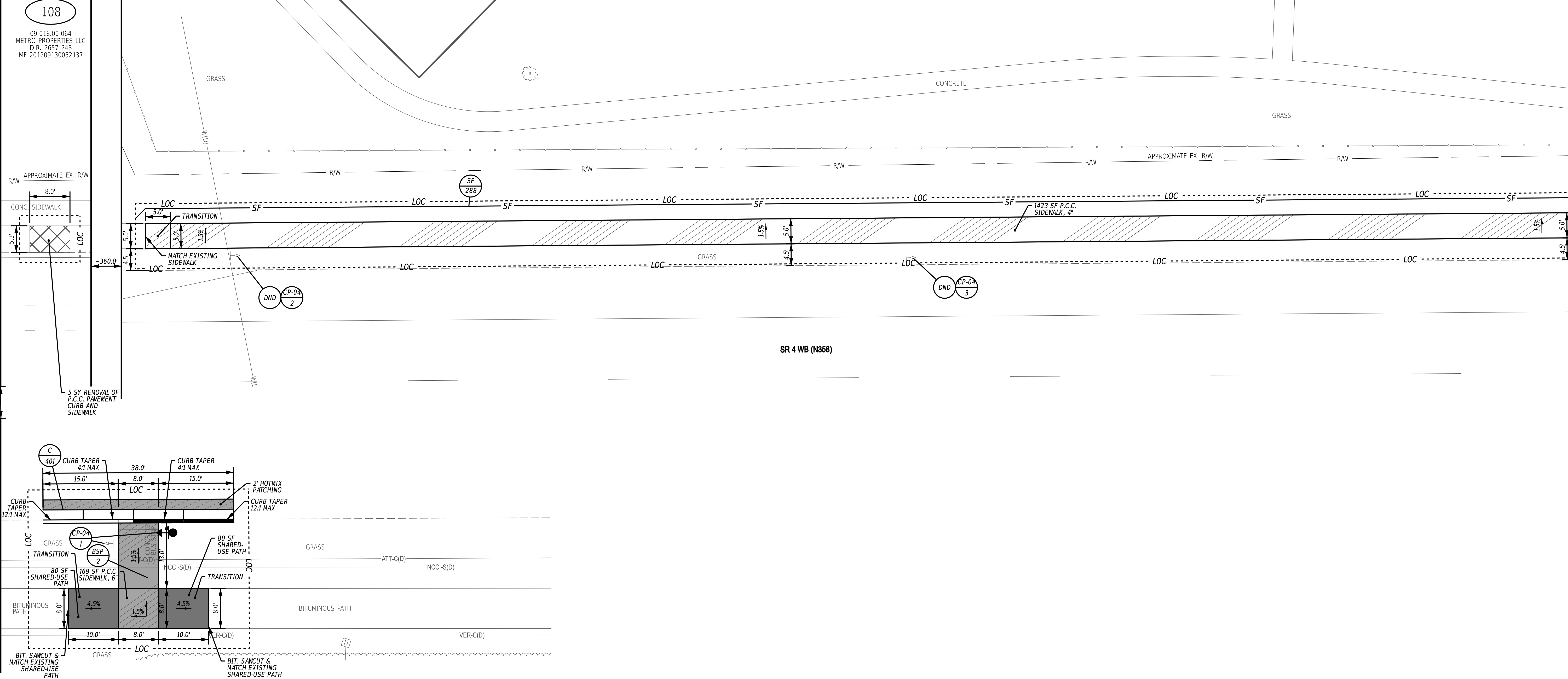
Plans are for bidding purposes only and are not intended for construction.



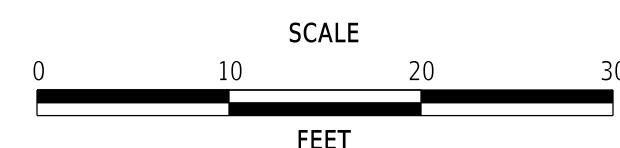
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MATCHLINE - SEE PREVIOUS SHEET

MATCHLINE - SEE NEXT SHEET



ADDENDA / REVISIONS



PEDESTRIAN ACCESS ROUTES AND SIDEWALK IMPROVEMENTS, NEW CASTLE COUNTY FY25-FY27

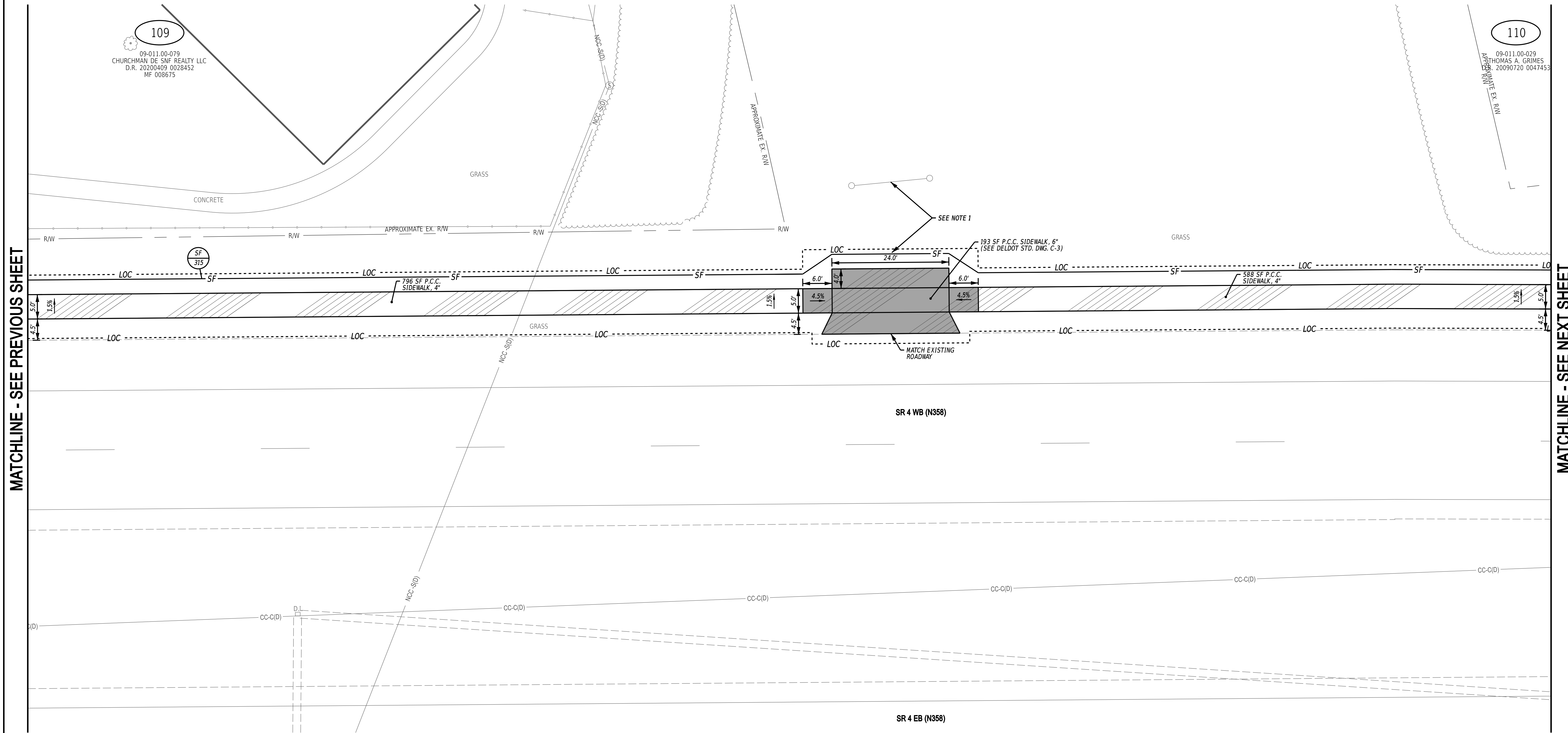
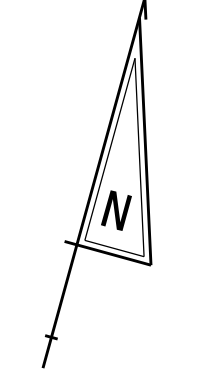
CONTRACT	BRIDGE NO.	N/A
T202501101.02	DESIGNED BY:	S. NICKEL
COUNTY	CHECKED BY:	M. STEIMER
NEW CASTLE		

WORK ORDER #4 CONSTRUCTION PLAN

CP-04
SECTION
WM
SHEET NO.
10

QUANTITIES		
ITEM NO.	ITEM DESCRIPTION / TYPE	QUANTITY
202000	EXCAVATION AND EMBANKMENT	62 CY
301001	GABC	21 CY
705001	PCC SIDEWALK, 4"	1384 SF
705002	PCC SIDEWALK, 6"	193 SF
905001	SILT FENCE	315 LF
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	1 EACH
908004	TOPSOIL, 6" DEPTH	142 SY
908016	PERMANENT GRASS SEEDING, SUBDIVISION	142 SY
908020	EROSION CONTROL BLANKET MULCH	142 SY

Plans are for bidding purposes only and are not intended for construction.

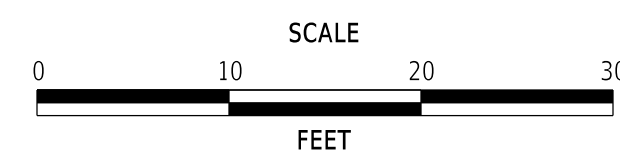


NOTES:
 1. CONTRACTOR SHALL CONSTRUCT PROPOSED ENTRANCE AT THE CENTER OF THE EXISTING UTILITY ACCESS GATE.

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ADDENDA / REVISIONS



PEDESTRIAN ACCESS ROUTES AND SIDEWALK IMPROVEMENTS, NEW CASTLE COUNTY FY25-FY27

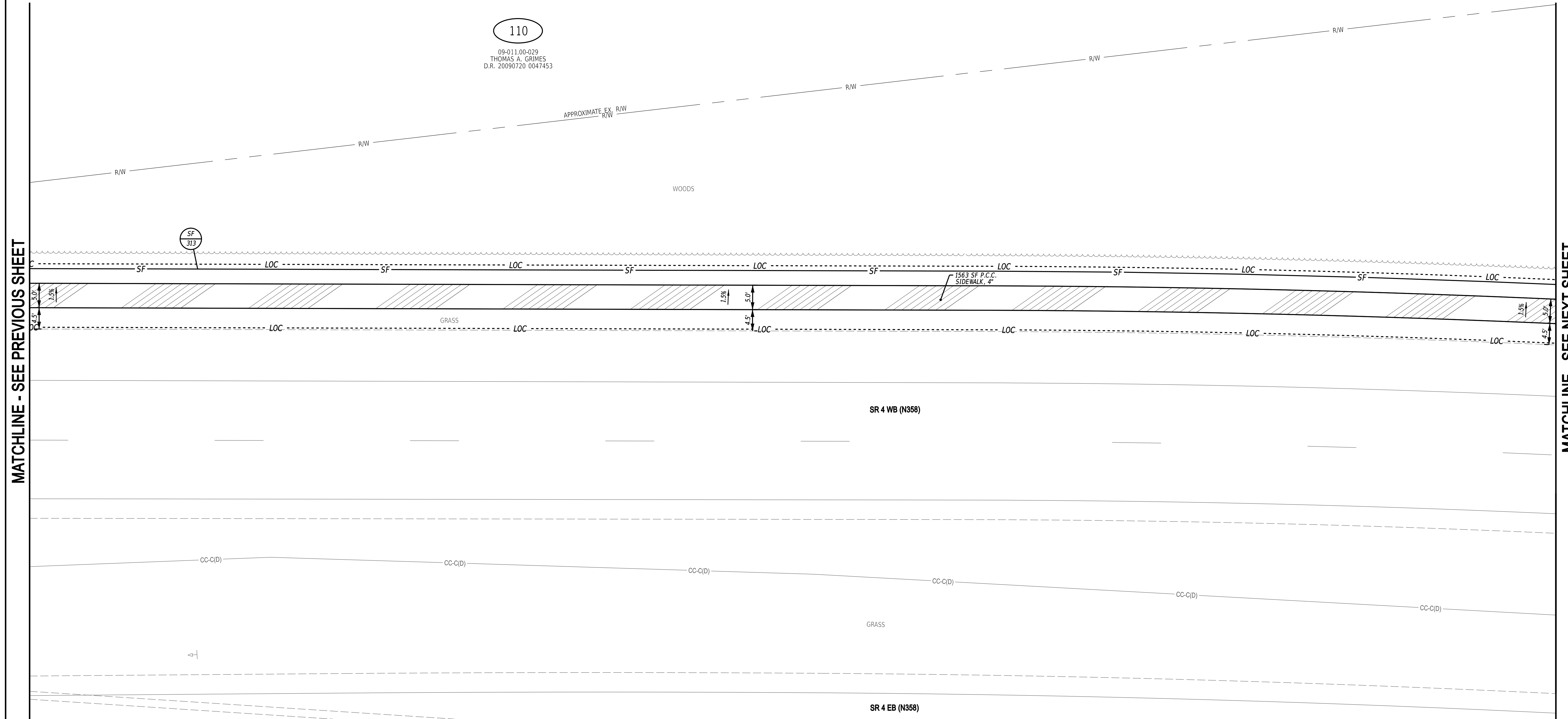
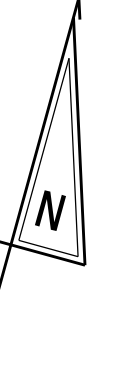
CONTRACT	BRIDGE NO.	N/A
T202501101.02	DESIGNED BY:	S. NICKEL
COUNTY	CHECKED BY:	M. STEIMER
NEW CASTLE		

WORK ORDER #4 CONSTRUCTION PLAN

CP-05
SECTION
WM
SHEET NO.
11

QUANTITIES		
ITEM NO.	ITEM DESCRIPTION / TYPE	QUANTITY
202000	EXCAVATION AND EMBANKMENT	62 CY
301001	GABC	20 CY
705001	PCC SIDEWALK, 4"	1563 SF
905001	SILT FENCE	313 LF
908004	TOPSOIL, 6" DEPTH	139 SY
908016	PERMANENT GRASS SEEDING, SUBDIVISION	139 SY
908020	EROSION CONTROL BLANKET MULCH	139 SY

Plans are for bidding purposes only and are not intended for construction.



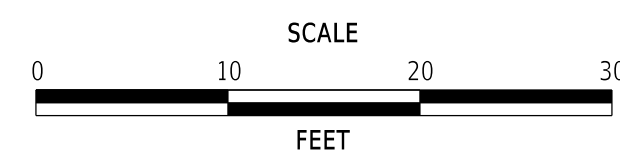
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ADDENDA / REVISIONS



**PEDESTRIAN ACCESS ROUTES AND
SIDEWALK IMPROVEMENTS,
NEW CASTLE COUNTY FY25-FY27**

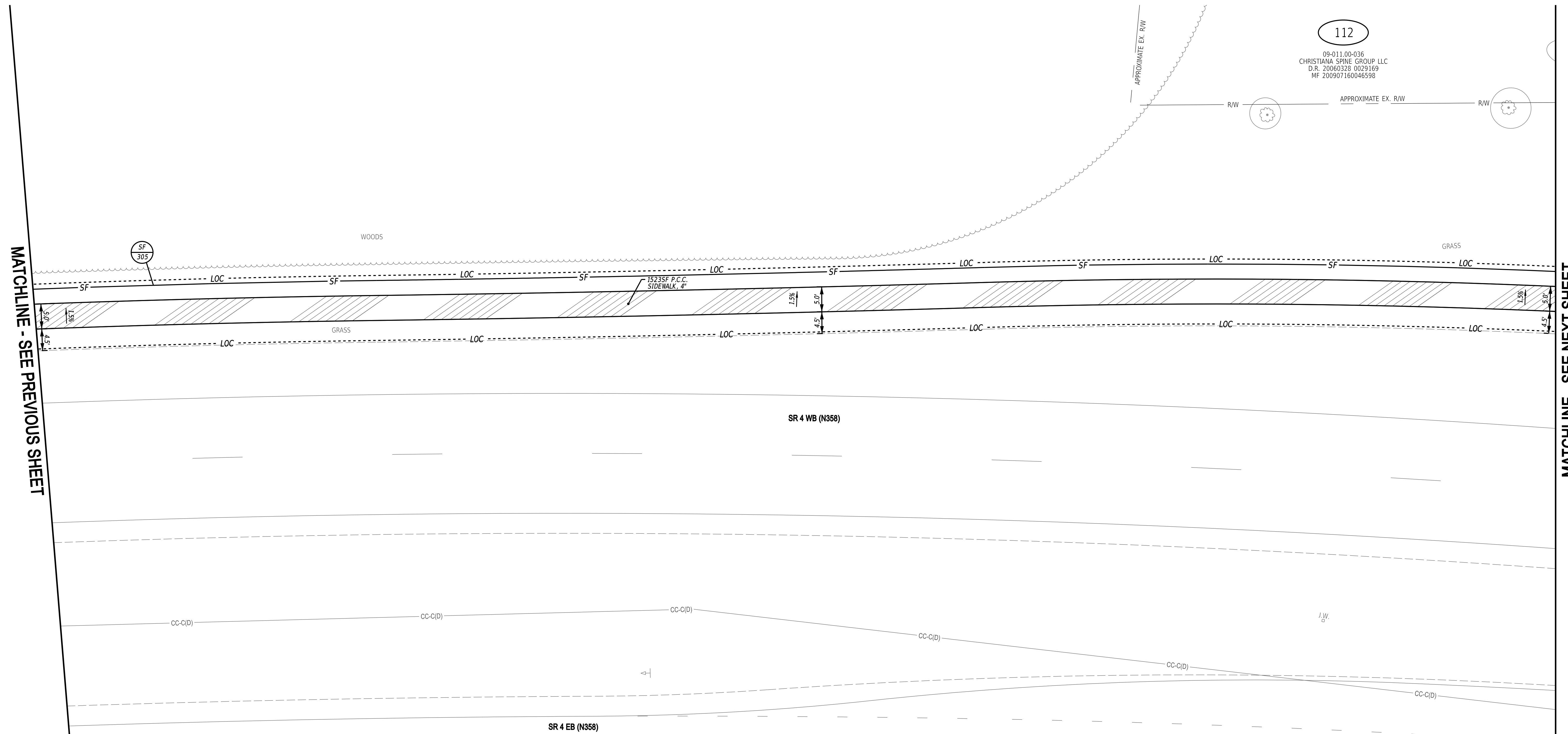
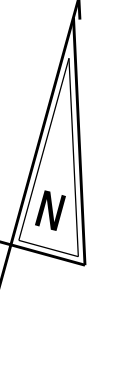
CONTRACT	BRIDGE NO.	N/A
T202501101.02	DESIGNED BY:	S. NICKEL
COUNTY	CHECKED BY:	M. STEIMER
NEW CASTLE		

**WORK ORDER #4
CONSTRUCTION PLAN**

CP-06
SECTION
WM
SHEET NO.
12

QUANTITIES		
ITEM NO.	ITEM DESCRIPTION / TYPE	QUANTITY
202000	EXCAVATION AND EMBANKMENT	61 CY
301001	GABC	19 CY
705001	PCC SIDEWALK, 4"	1523 SF
905001	SILT FENCE	305 LF
908004	TOPSOIL, 6" DEPTH	136 SY
908016	PERMANENT GRASS SEEDING, SUBDIVISION	136 SY
908020	EROSION CONTROL BLANKET MULCH	136 SY

Plans are for bidding purposes only and are not intended for construction.

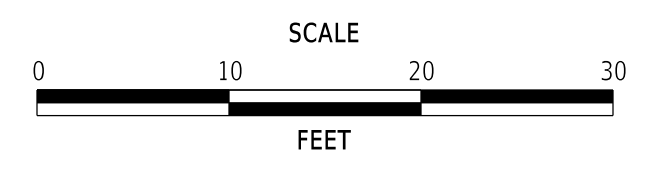


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CHRISTIANA SPINE GROUP LLC
D.R. 20060328 0029169
MF 200907160046598

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ADDENDA / REVISIONS



PEDESTRIAN ACCESS ROUTES AND SIDEWALK IMPROVEMENTS, NEW CASTLE COUNTY FY25-FY27

CONTRACT	BRIDGE NO.	N/A
T202501101.02	DESIGNED BY:	S. NICKEL
COUNTY	CHECKED BY:	M. STEIMER
NEW CASTLE		

WORK ORDER #4
CONSTRUCTION PLAN

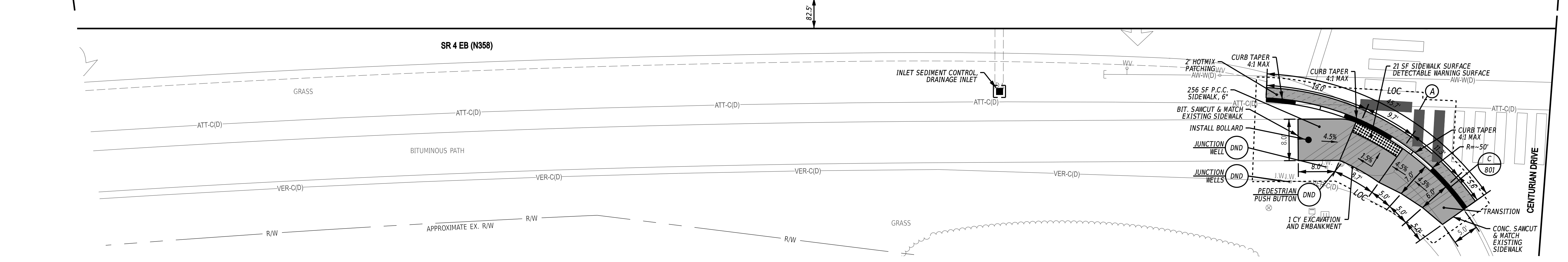
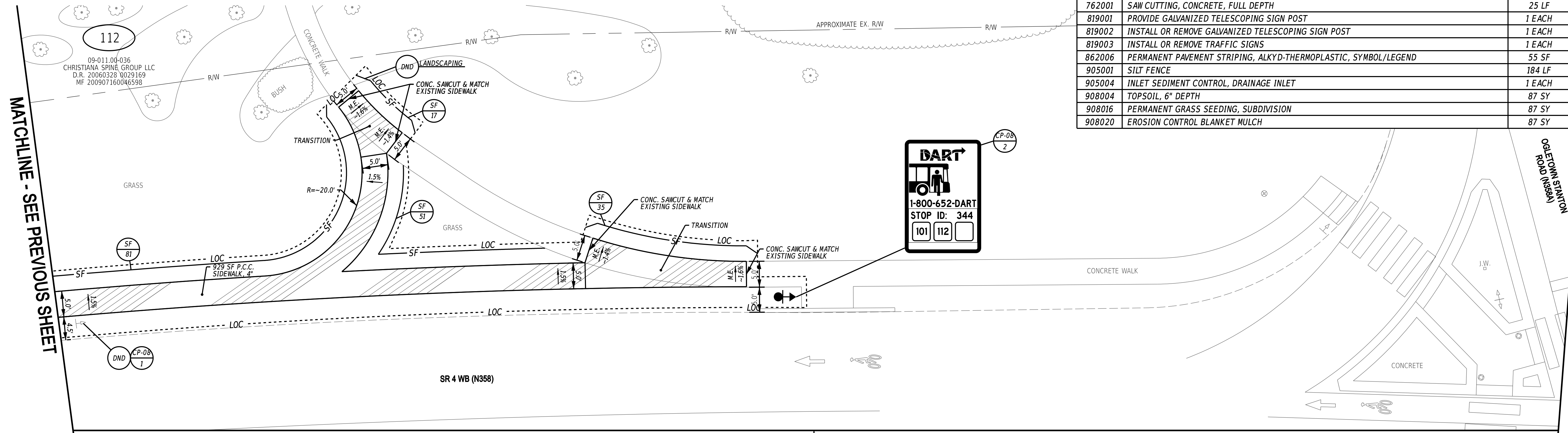
CP-07
SECTION
WM
SHEET NO.
13

Plans are for bidding purposes only and are not intended for construction.

QUANTITIES		
ITEM NO.	ITEM DESCRIPTION / TYPE	QUANTITY
202000	EXCAVATION AND EMBANKMENT	42 CY
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	36 SY
301001	GABC	18 CY
301002	GABC, PATCHING	3 CY
401029	SUPERPAVE TYPE C, 9.5 mm, PG 64-22, PATCHING	2 TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	2 TON
401031	SUPERPAVE TYPE BCBC, PG 64-22, PATCHING	3 TON
701013	PCC CURB, TYPE 1-8	46 LF
705001	PCC SIDEWALK, 4"	929 SF
705002	PCC SIDEWALK, 6"	256 SF
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	19 SF
720556	BOLLARD	1 EACH
762000	SAW CUTTING, BITUMINOUS CONCRETE	60 LF
762001	SAW CUTTING, CONCRETE, FULL DEPTH	25 LF
819001	PROVIDE GALVANIZED TELESCOPING SIGN POST	1 EACH
819002	INSTALL OR REMOVE GALVANIZED TELESCOPING SIGN POST	1 EACH
819003	INSTALL OR REMOVE TRAFFIC SIGNS	1 EACH
862006	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, SYMBOL/LEGEND	55 SF
905001	SILT FENCE	184 LF
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	1 EACH
908004	TOPSOIL, 6" DEPTH	87 SY
908016	PERMANENT GRASS SEEDING, SUBDIVISION	87 SY
908020	EROSION CONTROL BLANKET MULCH	87 SY

PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 24" SOLID (ITEM 862006)	55 SF

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
801	PCC CURB, TYPE 1-8	46'

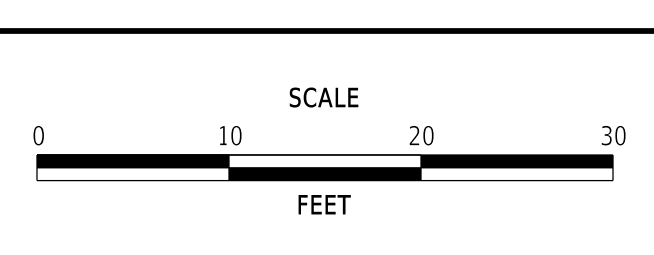


NOTES:
 1. THE CONTRACTOR SHALL REMOVE AND INSTALL THE PUSH BUTTON SO THAT IT IS REACHABLE FROM THE LANDING AREA OF THE ADJACENT PEDESTRIAN CONNECTION. ALL WORK SHALL BE PAID FOR UNDER ITEM 842500 - INSTALLATION OR REMOVAL OF PEDESTRIAN BUTTON ON WOOD OR METAL POST AS AN EACH ITEM.

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ADDENDA / REVISIONS	



PEDESTRIAN ACCESS ROUTES AND SIDEWALK IMPROVEMENTS, NEW CASTLE COUNTY FY25-FY27

CONTRACT	T202501101.02	BRIDGE NO.	N/A
COUNTY	NEW CASTLE	DESIGNED BY:	S. NICKEL
		CHECKED BY:	M. STEIMER

WORK ORDER #4 CONSTRUCTION PLAN

CP-08
SECTION
WM
SHEET NO.
14

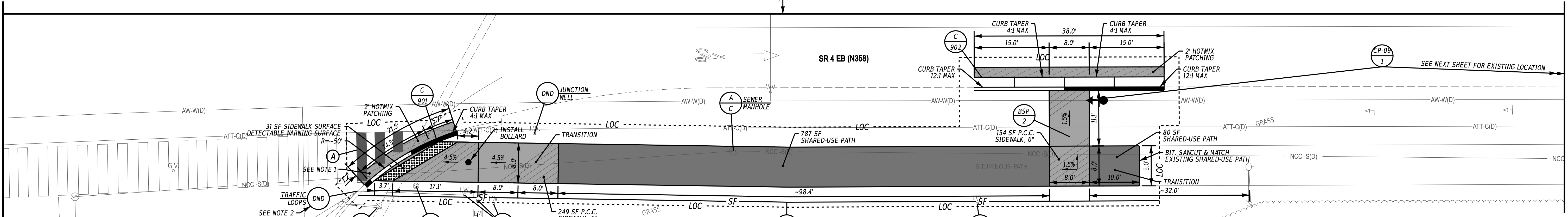
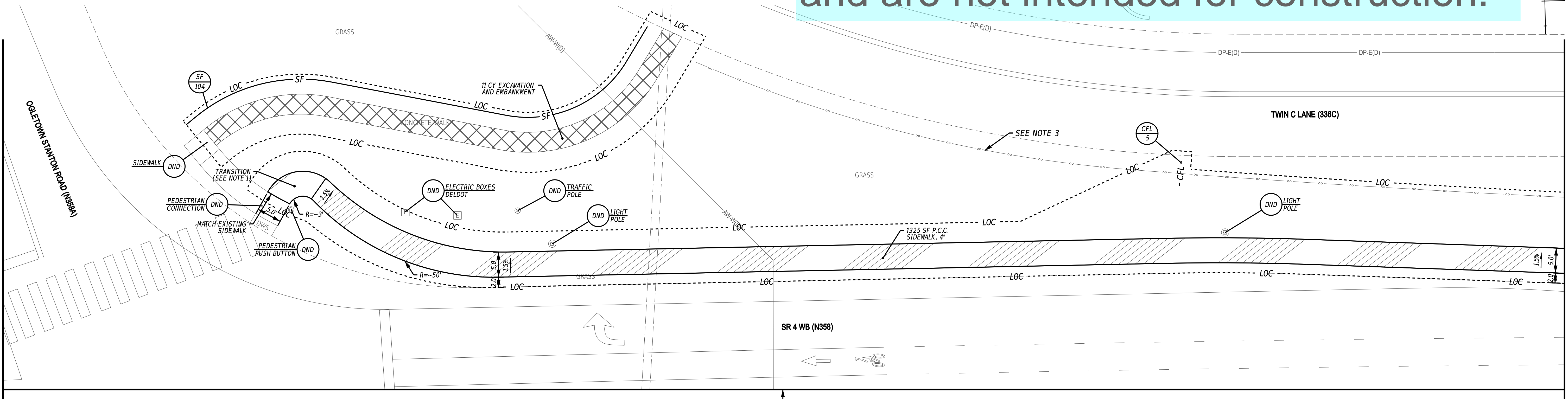
Plans are for bidding purposes only and are not intended for construction.

PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 24" SOLID (ITEM 862006)	40 SF

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
901	PCC CURB, TYPE 1-8	22'
902	1.PCC CURB AND GUTTER, TYPE 1-4	38'

MATCHLINE - SEE PREVIOUS SHEET

MATCHLINE - SEE NEXT SHEET

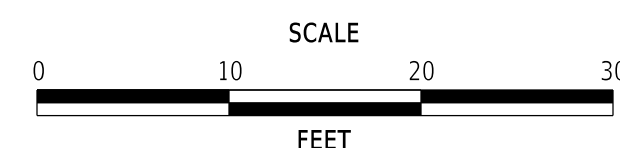


- NOTES:**
- TRANSITIONS FROM THE PEDESTRIAN CONNECTION CROSS SLOPE TO THE PROFILE OF THE ADJACENT ROADWAY SHALL BE CONSTRUCTED WITHIN THE ROADWAY PATCH.
 - TRAFFIC LOOPS SHALL ATTEMPT TO NOT BE DISTURBED WHILE REMOVING AND INSTALLING PROPOSED CURB/PEDESTRIAN CONNECTION. IF TRAFFIC LOOPS ARE DISTURBED THEY SHALL BE REPLACED IN ENTIRETY ALONG WITH ANY STRIPING WITH NEW LEAD-INS SHALL NOT RUN THROUGH THE PEDESTRIAN ACCESS ROUTE, BUT INSTEAD BE CUT INTO THE BITUMINOUS CONCRETE. TO BE PAID FOR UNDER ITEM 832508 - PROVIDE AND INSTALL 2-CONDUCTOR #14 AWG ALUMINUM SHIELD CABLE AND ITEM 862006 - PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, SYMBOL/LEGEND.
 - CENTERLINE OF DITCH SHALL NOT BE IMPACTED BY GRADING BEHIND SIDEWALK.

QUANTITIES		
ITEM NO.	ITEM DESCRIPTION / TYPE	QUANTITY
202000	EXCAVATION AND EMBANKMENT	82 CY
301001	GABC	47 CY
301002	GABC, PATCHING	4 CY
401005	SUPERPAVE TYPE C, 9.5 mm, PG 64-22 (CARBONATE STONE)	12 TON
401029	SUPERPAVE TYPE C, 9.5 mm, PG 64-22, PATCHING	2 TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	3 TON
401031	SUPERPAVE TYPE BCBC, PG 64-22, PATCHING	4 TON
701013	PCC CURB, TYPE 1-8	22 LF

QUANTITIES		
ITEM NO.	ITEM DESCRIPTION / TYPE	QUANTITY
701016	1.PCC CURB AND GUTTER, TYPE 1-4	38 LF
705001	PCC SIDEWALK, 4"	1325 SF
705002	PCC SIDEWALK, 6"	249 SF
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	31 SF
711500	ADJUST AND REPAIR EXISTING SANITARY MANHOLE	1 EACH
720556	BOLLARD	1 EACH
762000	SAW CUTTING, BITUMINOUS CONCRETE	76 LF
819001	PROVIDE GALVANIZED TELESCOPING SIGN POST	1 EACH
819002	INSTALL OR REMOVE GALVANIZED TELESCOPING SIGN POST	1 EACH
819003	INSTALL OR REMOVE TRAFFIC SIGNS	1 EACH
832508	PROVIDE AND INSTALL 2-CONDUCTOR #14 AWG ALUMINUM SHIELD CABLE	297 LF
862006	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, SYMBOL/LEGEND	40 SF
905001	SILT FENCE	265 LF
907017	COMPOST FILTER LOGS	5 LF
908004	TOPSOIL, 6" DEPTH	402 SY
908016	PERMANENT GRASS SEEDING, SUBDIVISION	402 SY
908020	EROSION CONTROL BLANKET MULCH	402 SY

ADDENDA / REVISIONS



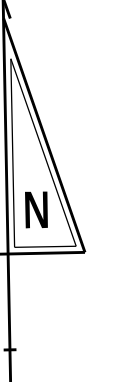
PEDESTRIAN ACCESS ROUTES AND SIDEWALK IMPROVEMENTS, NEW CASTLE COUNTY FY25-FY27

CONTRACT	BRIDGE NO.	N/A
T202501101.02	DESIGNED BY:	S. NICKEL
COUNTY	CHECKED BY:	M. STEIMER
NEW CASTLE		

WORK ORDER #4 CONSTRUCTION PLAN

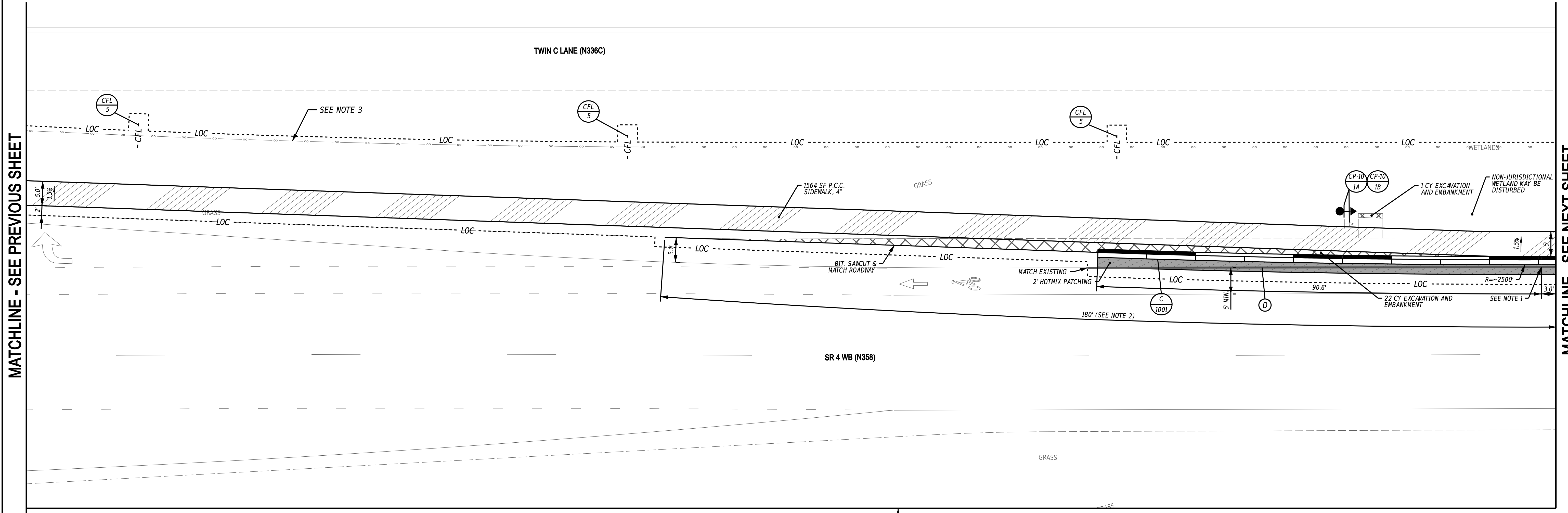
CP-09
SECTION
WM
SHEET NO.
15

Plans are for bidding purposes only and are not intended for construction.



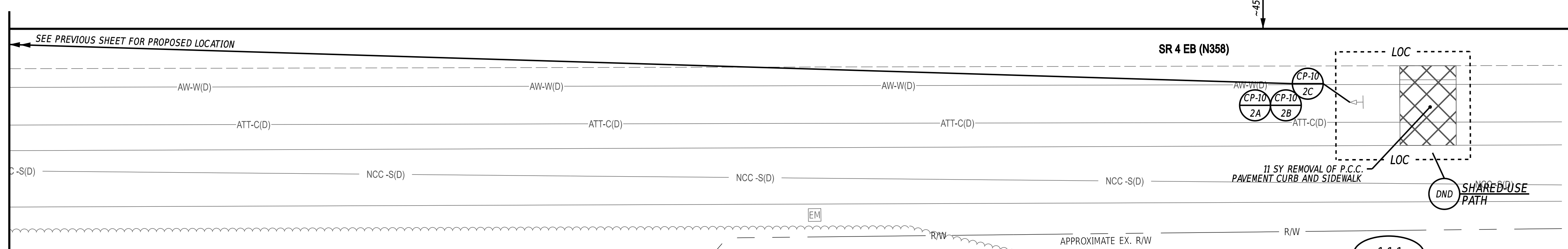
PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
ⓓ	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 861001)	96 LF

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
1001	I.P.C.C CURB AND GUTTER, TYPE 3-8	94'



MATCHLINE - SEE PREVIOUS SHEET

MATCHLINE - SEE NEXT SHEET



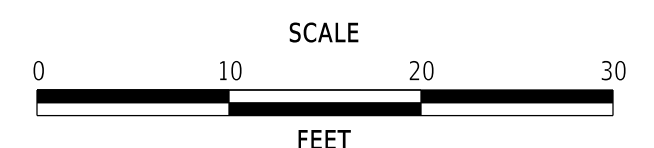
- NOTES:**
- INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-8 SHALL BE INSTALLED 6" FROM THE EXISTING EDGE OF SHOULDER, BIKE LANE, OR ACCELERATION/MERGE LANE STRIPING. SEE TS-01 (SHEET 6), "SIDEWALK OGLETOWN STANTON ROAD TO SR 7 - SIDEWALK WITH PROPOSED CURB" FOR EXACT DIMENSIONS.
 - WITHIN THE LIMITS OF THESE DIMENSIONS, THE CONTRACTOR SHALL TAPER THE CURB AND GUTTER, TYPE 3-8/PROPOSED EDGE OF PAVEMENT FROM THE EXISTING EDGE OF PAVEMENT TO THE 6" OFFSET FROM THE EXISTING EDGE OF SHOULDER STRIPING.
 - CENTERLINE OF DITCH SHALL NOT BE IMPACTED BY GRADING BEHIND SIDEWALK.

QUANTITIES		
ITEM NO.	ITEM DESCRIPTION / TYPE	QUANTITY
202000	EXCAVATION AND EMBANKMENT	68 CY
209006	BORROW, TYPE F	22 CY
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	11 SY
301001	GABC	24 CY
301002	GABC, PATCHING	5 CY
401029	SUPERPAVE TYPE C, 9.5 mm, PG 64-22, PATCHING	3 TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	4 TON
401031	SUPERPAVE TYPE BCBC, PG 64-22, PATCHING	6 TON
701023	I.P.C.C CURB AND GUTTER, TYPE 3-8	94 LF
705001	PCC SIDEWALK, 4"	1564 SF
762000	SAW CUTTING, BITUMINOUS CONCRETE	185 LF
818001	SUPPLY OF ROADSIDE FLAT SHEET ALUMINUM, TYPE IV, RETROREFLECTIVE SHEETING	5 SF
819002	INSTALL OR REMOVE GALVANIZED TELESCOPING SIGN POST	2 EACH
819003	INSTALL OR REMOVE TRAFFIC SIGNS	3 EACH
861001	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 6"	96 LF
907017	COMPOST FILTER LOGS	15 LF
908004	TOPSOIL, 6" DEPTH	556 SY
908016	PERMANENT GRASS SEEDING, SUBDIVISION	556 SY
908020	EROSION CONTROL BLANKET MULCH	556 SY

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ADDENDA / REVISIONS



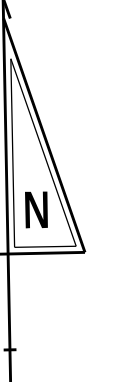
PEDESTRIAN ACCESS ROUTES AND SIDEWALK IMPROVEMENTS, NEW CASTLE COUNTY FY25-FY27

CONTRACT	BRIDGE NO.	N/A
T202501101.02	DESIGNED BY:	S. NICKEL
COUNTY	CHECKED BY:	M. STEIMER
NEW CASTLE		

WORK ORDER #4 CONSTRUCTION PLAN

CP-10
SECTION
WM
SHEET NO.
16

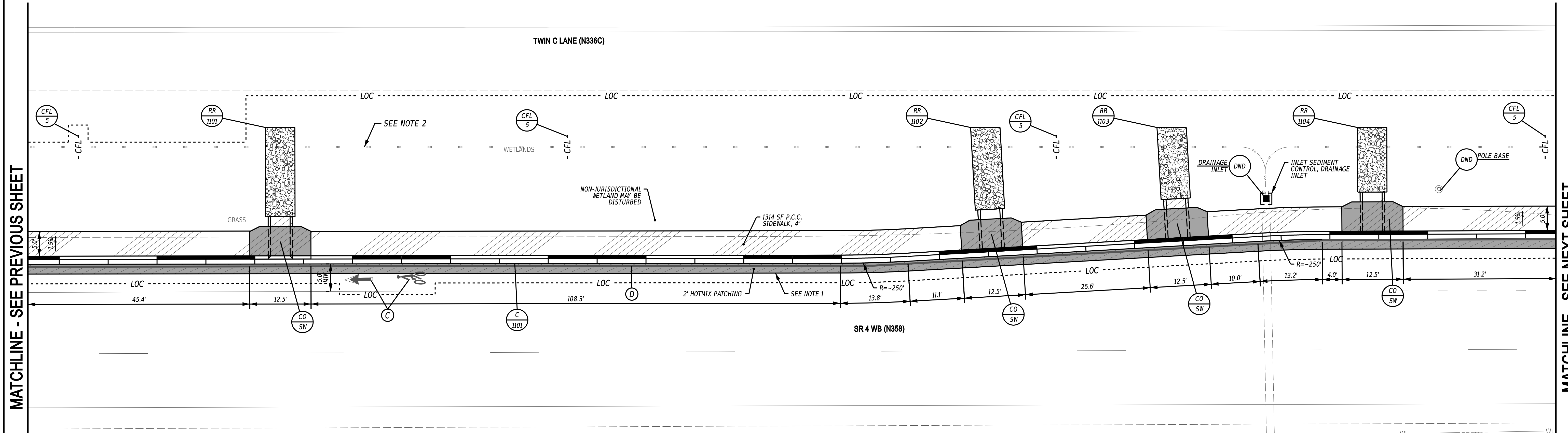
Plans are for bidding purposes only and are not intended for construction.



PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
Ⓒ	PREFORMED RETROREFLECTIVE THERMOPLASTIC MARKINGS, BIKE SYMBOL (ITEM 863002)	1 EA
Ⓓ	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 861001)	313 LF

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
1101	1. PCC CURB AND GUTTER, TYPE 3-8	313'

RIPRAP SCHEDULE		
NO.	TYPE	AREA (SY)
1101	R-4	12.19
1102	R-4	11.19
1103	R-4	9.75
1104	R-4	8.82



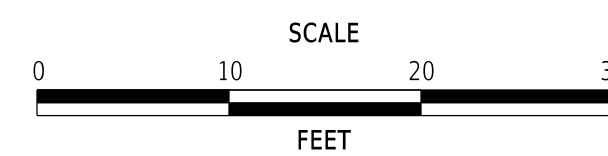
MATCHLINE - SEE PREVIOUS SHEET

MATCHLINE - SEE NEXT SHEET

QUANTITIES		
ITEM NO.	ITEM DESCRIPTION / TYPE	QUANTITY
202000	EXCAVATION AND EMBANKMENT	68 CY
209006	BORROW, TYPE F	65 CY
301001	GABC	30 CY
301002	GABC, PATCHING	16 CY
401029	SUPERPAVE TYPE C, 9.5 mm, PG 64-22, PATCHING	9 TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	13 TON
401031	SUPERPAVE TYPE BCBC, PG 64-22, PATCHING	20 TON
701510	CURB/SIDEWALK OPENING	4 EACH
701023	1. PCC CURB AND GUTTER, TYPE 3-8	313 LF
705001	PCC SIDEWALK, 4"	1314 SF
707001	RIPRAP, R-4	42 SY
708003	GEOTEXTILES, RIPRAP	43 SY
762000	SAW CUTTING, BITUMINOUS CONCRETE	313 LF
861001	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 6"	313 LF
863002	PREFORMED RETROREFLECTIVE MARKINGS, ALKYD-THERMOPLASTIC, BIKE SYMBOL	1 EACH
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	1 EACH
907017	COMPOST FILTER LOGS	20 LF
908004	TOPSOIL, 6" DEPTH	811 SY
908016	PERMANENT GRASS SEEDING, SUBDIVISION	811 SY
908020	EROSION CONTROL BLANKET MULCH	811 SY

- NOTES:
- INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-8 SHALL BE INSTALLED 6" FROM THE EXISTING EDGE OF SHOULDER, BIKE LANE, OR ACCELERATION/MERGE LANE STRIPING. SEE TS-01 (SHEET 6), "SIDEWALK OGLETOWN STANTON ROAD TO SR 7 - SIDEWALK WITH PROPOSED CURB" FOR EXACT DIMENSIONS.
 - THE CENTERLINE OF THE DITCH SHALL NOT BE IMPACTED BY THE GRADING BEHIND THE DITCH.

ADDENDA / REVISIONS



PEDESTRIAN ACCESS ROUTES AND SIDEWALK IMPROVEMENTS, NEW CASTLE COUNTY FY25-FY27

CONTRACT	BRIDGE NO.	N/A
T202501101.02	DESIGNED BY:	S. NICKEL
COUNTY	CHECKED BY:	M. STEIMER
NEW CASTLE		

WORK ORDER #4 CONSTRUCTION PLAN

CP-11
SECTION
WM
SHEET NO.
17

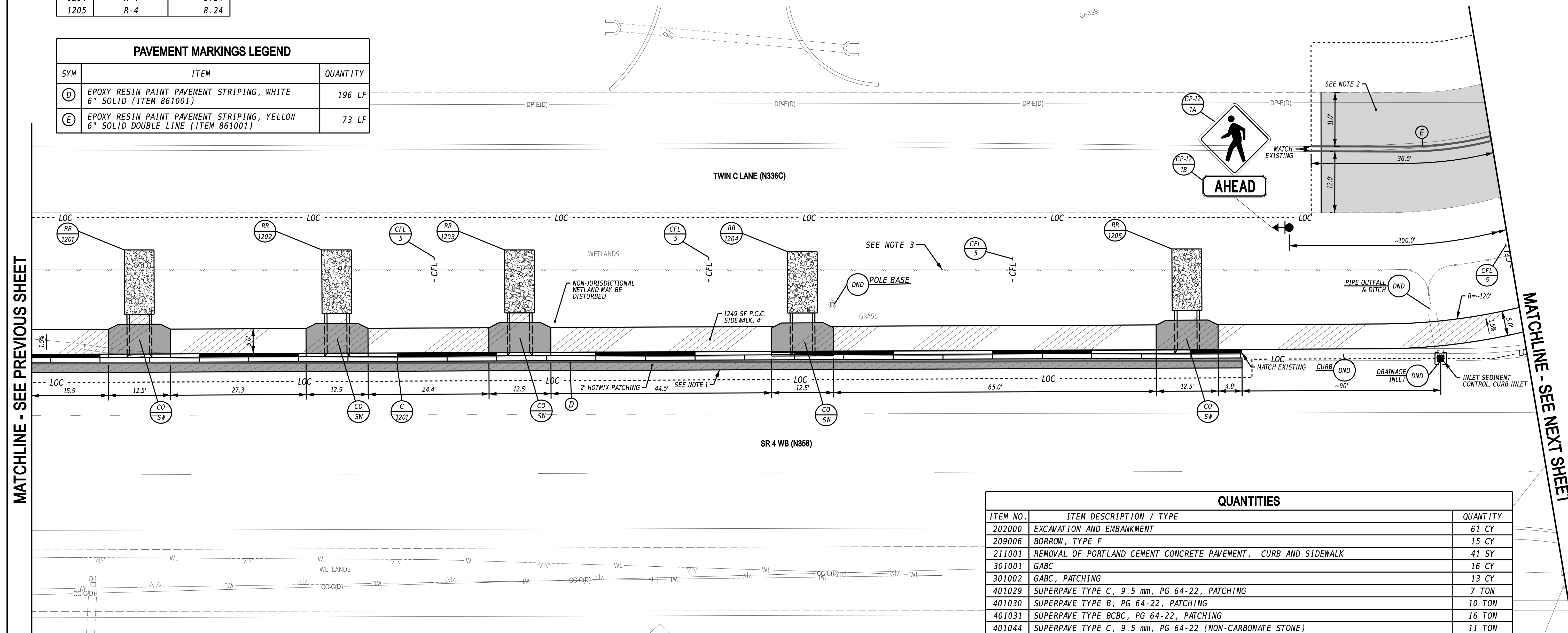


Plans are for bidding purposes only and are not intended for construction.

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
1201	1. PCC CURB AND GUTTER, TYPE 3-8	244'

RIPRAP SCHEDULE		
NO.	TYPE	AREA (SY)
1201	R-4	8.67
1202	R-4	8.56
1203	R-4	8.46
1204	R-4	8.24
1205	R-4	8.24

PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 861001)	196 LF
(E)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 861001)	73 LF



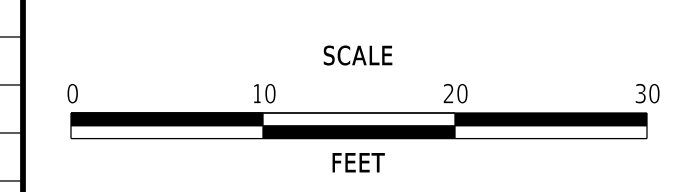
MATCHLINE - SEE PREVIOUS SHEET

MATCHLINE - SEE NEXT SHEET

QUANTITIES		
ITEM NO.	ITEM DESCRIPTION / TYPE	QUANTITY
202000	EXCAVATION AND EMBANKMENT	61 CY
209006	BORROW, TYPE F	15 CY
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	41 SY
301001	GABC	16 CY
301002	GABC, PATCHING	13 CY
401029	SUPERPAVE TYPE C, 9.5 mm, PG 64-22, PATCHING	7 TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	10 TON
401031	SUPERPAVE TYPE BCBC, PG 64-22, PATCHING	16 TON
401044	SUPERPAVE TYPE C, 9.5 mm, PG 64-22 (NON-CARBONATE STONE)	11 TON
701510	CURB/SIDEWALK OPENING	5 EACH
701023	1. PCC CURB AND GUTTER, TYPE 3-8	244 LF
705001	PCC SIDEWALK, 4"	1249 SF
707001	RIPRAP, R-4	43 SY
708003	GEOTEXTILES, RIPRAP	44 SY
760012	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH	184 SYIN
762000	SAW CUTTING, BITUMINOUS CONCRETE	196 LF
818001	SUPPLY OF ROADSIDE FLAT SHEET ALUMINUM SIGN PANEL, TYPE IV, RETROREFLECTIVE SHEETING	9 SF
819001	PROVIDE GALVANIZED TELESCOPING SIGN POST	1 EACH
819002	INSTALL OR REMOVE GALVANIZED TELESCOPING SIGN POST	1 EACH
819003	INSTALL OR REMOVE TRAFFIC SIGNS	2 EACH
861001	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 6"	269 LF
905005	INLET SEDIMENT CONTROL, CURB INLET	1 EACH
907017	COMPOST FILTER LOGS	20 LF
908004	TOPSOIL, 6" DEPTH	622 SY
908016	PERMANENT GRASS SEEDING, SUBDIVISION	622 SY
908020	EROSION CONTROL BLANKET MULCH	622 SY

- NOTES:**
- INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-8 SHALL BE INSTALLED 6" FROM THE EXISTING EDGE OF SHOULDER, BIKE LANE, OR ACCELERATION/MERGE LANE STRIPING. SEE TS-01 (SHEET 6), "SIDEWALK OGLETOWN STANTON ROAD TO SR 7 - SIDEWALK WITH PROPOSED CURB" FOR EXACT DIMENSIONS.
 - PROPOSED PGA SHALL BE LOCATED IN THE CENTER OF THE EXISTING WIDTH OF ROADWAY. THIS WIDTH MAY VARY WHILE TYING BACK INTO EXISTING ROADWAY BUT A MINIMUM OF 11' TRAVEL LANES SHALL BE MAINTAINED THROUGHOUT.
 - THE CENTERLINE OF THE DITCH SHALL NOT BE IMPACTED BY THE GRADING BEHIND THE SIDEWALK.

ADDENDA / REVISIONS



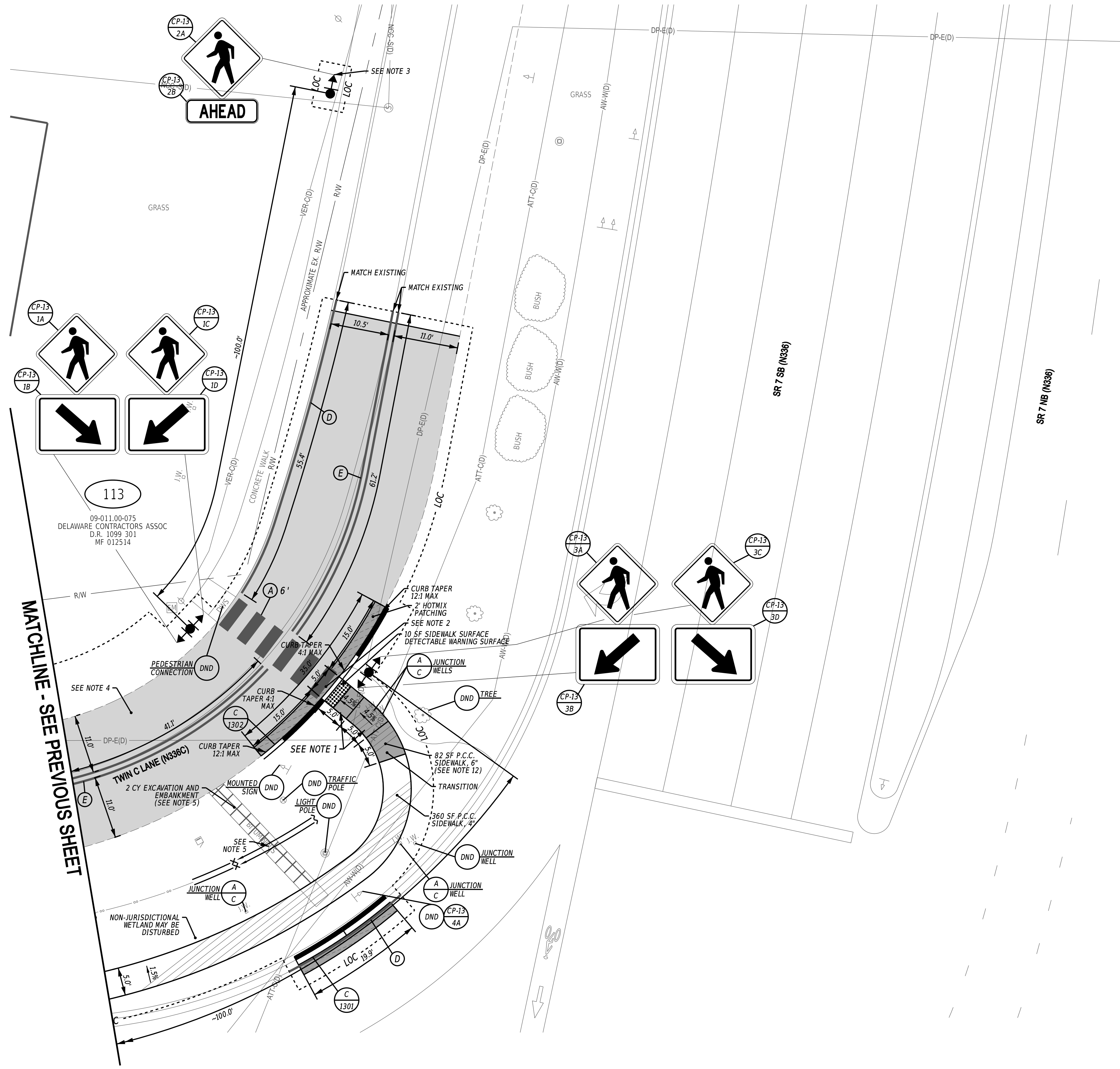
PEDESTRIAN ACCESS ROUTES AND SIDEWALK IMPROVEMENTS, NEW CASTLE COUNTY FY25-FY27

CONTRACT T202501101.02	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: S. NICKEL
	CHECKED BY: M. STEIMER

WORK ORDER #4 CONSTRUCTION PLAN

CP-12
SECTION WM
SHEET NO. 18

Plans are for bidding purposes only and are not intended for construction.



NOTES:

1. AT YIELD OR STOP CONTROLLED FACILITIES, THE PEDESTRIAN CONNECTION SHALL HAVE A 2% MAXIMUM CROSS SLOPE, HOWEVER A 1.5% MAXIMUM CROSS SLOPE IS PREFERRED.
2. TRANSITIONS FROM THE PEDESTRIAN CONNECTION CROSS SLOPE TO THE PROFILE OF THE ADJACENT ROADWAY SHALL BE CONSTRUCTED WITHIN THE ROADWAY PATCH.
3. PROPOSED SIGN TO BE INSTALLED IMMEDIATELY AT THE BACK OF THE EXISTING SIDEWALK. RIGHT-OF-WAY LINENWORK SHOWN ON THIS PLAN IS GIS LEVEL AND THAT IS WHY IT IS SHOWN SHIFTED. THERE SHOULD BE NO IMPACT TO EXISTING RIGHT-OF-WAY AND THE PROPOSED SIGN WILL BE WITHIN THE STATES RIGHT-OF-WAY.
4. PROPOSED PGA SHALL BE LOCATED IN THE CENTER OF THE EXISTING WIDTH OF ROADWAY. THIS WIDTH MAY VARY WHILE TYING BACK INTO EXISTING ROADWAY BUT A MINIMUM OF 1' TRAVEL LANES SHALL BE MAINTAINED THROUGHOUT.
5. ONCE THE EXISTING BITUMINOUS PATH IS REMOVED, A PROPOSED DITCH SHALL BE GRADED TO TIE INTO THE EXISTING DITCH TO PROMOTE POSTIVE DRAINAGE FROM TWIN C LANE & THE PROPOSED SIDEWALK.

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 24" SOLID (ITEM 862006)	72 SF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 861001)	80 LF
(E)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 861001)	205 LF

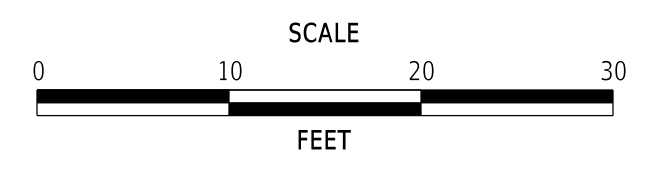
CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
1301	1.PCC CURB AND GUTTER, TYPE 3-8	20'
1302	PCC CURB, TYPE 1-8	35'

QUANTITIES

ITEM NO.	ITEM DESCRIPTION / TYPE	QUANTITY
202000	EXCAVATION AND EMBANKMENT	35
209006	BORROW, TYPE F	2
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	5
301001	GABC	6
301002	GABC, PATCHING	2
401029	SUPERPAVE TYPE C, 9.5 mm, PG 64-22, PATCHING	1
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	2
401031	SUPERPAVE TYPE BCBC, PG 64-22, PATCHING	3
401044	SUPERPAVE TYPE C, 9.5 mm, PG 64-22 (NON-CARBONATE STONE)	34
701013	PCC CURB, TYPE 1-8	35
701023	1.PCC CURB AND GUTTER, TYPE 3-8	20
705001	PCC SIDEWALK, 4"	360
705002	PCC SIDEWALK, 6"	82
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	10
760012	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH	551
762000	SAW CUTTING, BITUMINOUS CONCRETE	39
818001	SUPPLY OF ROADSIDE FLAT SHEET ALUMINUM SIGN PANEL, TYPE IV, RETROREFLECTIVE SHEETING	42
819001	PROVIDE GALVANIZED TELESCOPING SIGN POST	3
819002	INSTALL OR REMOVE GALVANIZED TELESCOPING SIGN POST	3
819003	INSTALL OR REMOVE TRAFFIC SIGNS	10
830008	ADJUST OR REPAIR EXISTING CONDUIT JUNCTION WELL	4
861001	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 6"	285
862006	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, SYMBOL/LEGEND	72
908004	TOPSOIL, 6" DEPTH	78
908016	PERMANENT GRASS SEEDING, SUBDIVISION	78
908020	EROSION CONTROL BLANKET MULCH	78

ADDENDA / REVISIONS

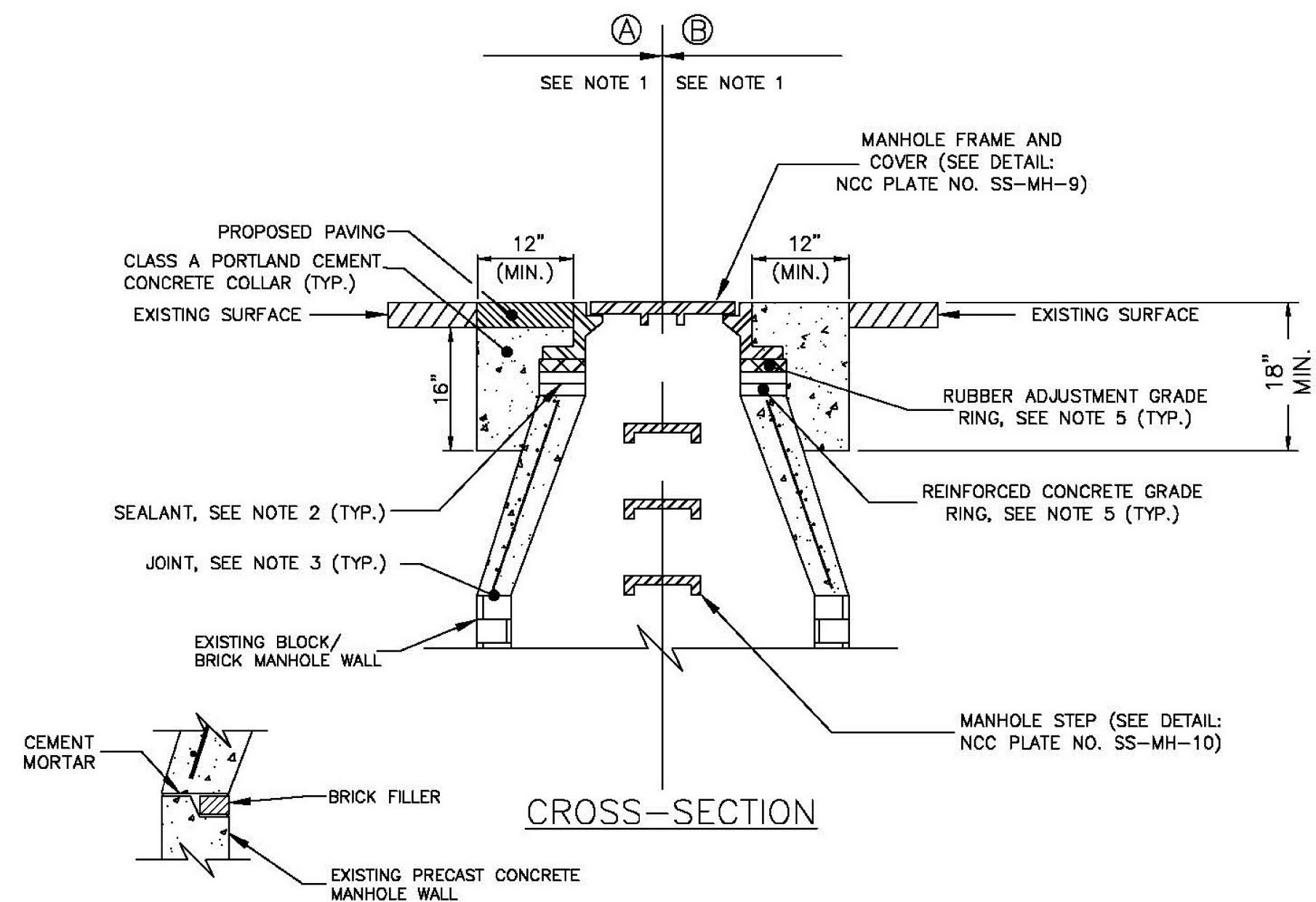


PEDESTRIAN ACCESS ROUTES AND SIDEWALK IMPROVEMENTS, NEW CASTLE COUNTY FY25-FY27

CONTRACT T202501101.02	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: S. NICKEL
	CHECKED BY: M. STEIMER

WORK ORDER #4 CONSTRUCTION PLAN

CP-13
SECTION WM
SHEET NO. 19

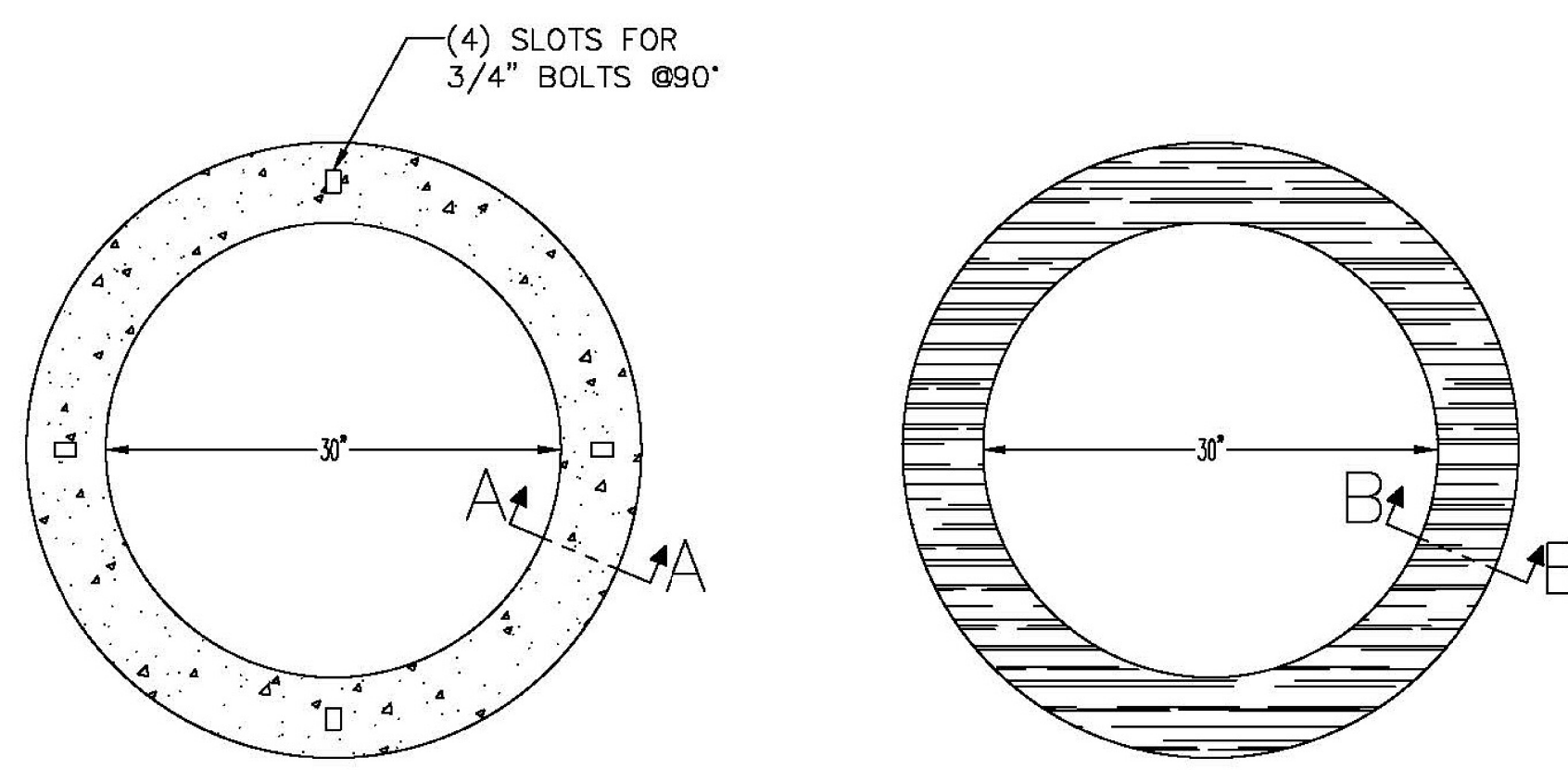


CROSS-SECTION OF JOINT AT PRECAST MANHOLE

NOTES:

- AT THE DISCRETION OF THE CONTRACTOR, EITHER OPTION 'A' OR 'B' MAY BE INSTALLED ACCORDING TO DeIDOT SPECIFICATIONS.
 - (A) CONTRACTOR SHALL PAVE TO TOP OF MANHOLE FRAME TO MATCH EXISTING CONDITIONS PER DeIDOT STANDARD.
 - (B) CONTRACTOR WILL INSTALL SQUARE CONCRETE COLLAR, 12" FROM MANHOLE FRAME, TO TOP OF MANHOLE FRAME PER DeIDOT STANDARD.
- SEAL EVERY JOINT IN MANHOLE "CHIMNEY" BETWEEN THE FRAME AND RUBBER GRADE RING, BETWEEN EACH GRADE RING AND BETWEEN GRADE RING AND TAPERED CONE SECTION USING ADHESIVE SEALANT CONFORMING TO ASTM D3498 AND SUITABLE FOR USE WITH MASONRY, RUBBER AND METAL MATERIALS. APPLY IN CONTINUOUS 1/2 INCH BEADS (MIN. TWO BEADS EVERY JOINT).
- SEAL PRECAST CONE SECTION TO COMPETENT LAYER OF BLOCK OR BRICK USING CEMENT MORTAR. IF EXISTING MANHOLE IS PRE-CAST CONCRETE, SECURE BRICK IN GROOVED JOINT, WITH CEMENT MORTAR PRIOR TO PLACING CONE SECTION.
- ADJUSTMENT RISERS OF ANY TYPE (I.E. BRICK) MAY NOT BE USED AS A SUBSTITUTE FOR GRADE RINGS.
- HEIGHT OF RUBBER GRADE RING(S) NOT TO EXCEED 3". COMBINED HEIGHT OF GRADES RINGS NOT TO EXCEED 12" (SEE DETAIL: NCC PLATE NO. SS-MH-7).

NEW CASTLE COUNTY, DELAWARE DEPARTMENT OF PUBLIC WORKS	PAVED AREA MANHOLE CONE SECTION DETAIL (NTS)	NCC PLATE NO. SS-MH-6
	THIS DETAIL IS SUBJECT TO REVISION. VERIFY WITH NEW CASTLE COUNTY, DEPARTMENT OF PUBLIC WORKS, CORRECTNESS OF DETAIL PRIOR TO IMPLEMENTATION.	LAST REVISED: 8/07/19



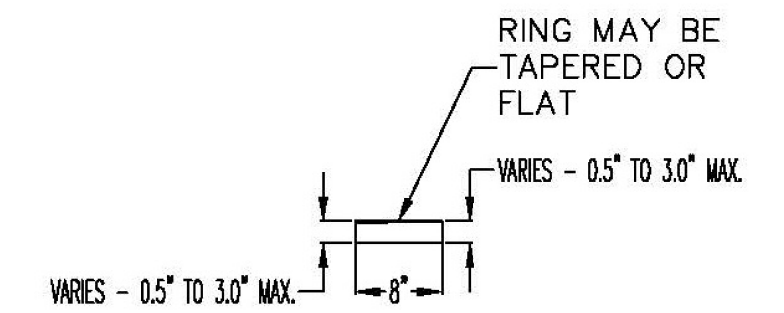
CROSS-SECTION A-A

REINFORCED CONCRETE GRADE RING

NOTES:

- DESIGN MEETS REQUIREMENTS OF A.S.T.M. STANDARD C-478.
- APPROXIMATE WEIGHT OF ONE REINFORCED CONCRETE GRADE RING:
 - 24" ϕ - 140 lbs.
 - 30" ϕ - 165 lbs.

NEW CASTLE COUNTY, DELAWARE DEPARTMENT OF PUBLIC WORKS	GRADE RING DETAIL (NTS)	NCC PLATE NO. SS-MH-7
	THIS DETAIL IS SUBJECT TO REVISION. VERIFY WITH NEW CASTLE COUNTY, DEPARTMENT OF PUBLIC WORKS, CORRECTNESS OF DETAIL PRIOR TO IMPLEMENTATION.	LAST REVISED: 5/10/2019

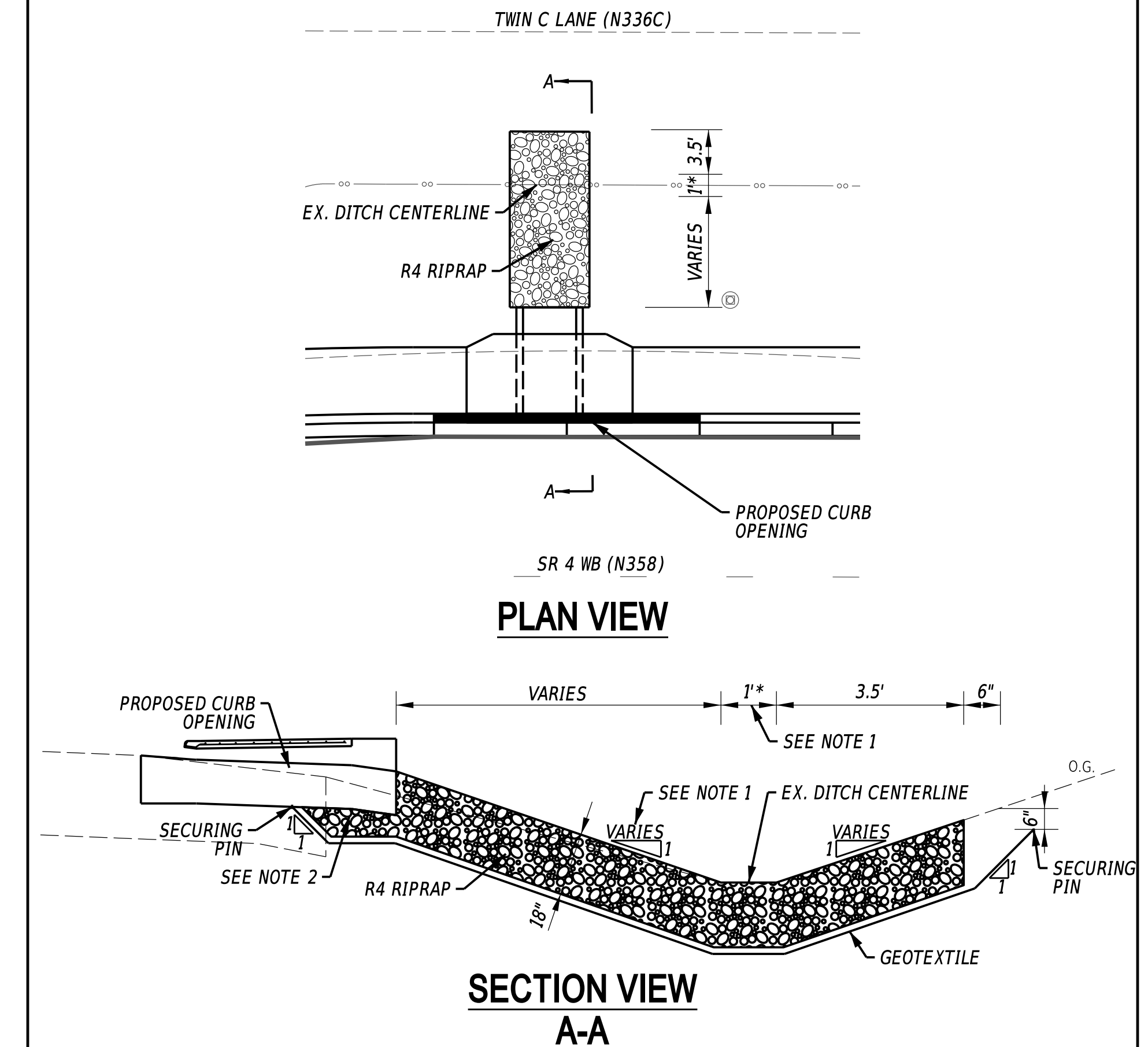


CROSS-SECTION B-B

RUBBER ADJUSTMENT GRADE RING

NOTES:

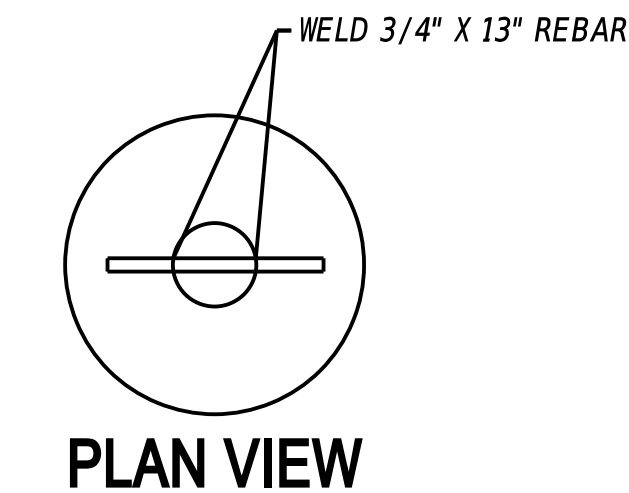
- SEAL EACH JOINT BETWEEN FRAME, RUBBER GRADE RING AND PRECAST GRADE RINGS USING ADHESIVE SEALANT CONFORMING TO ASTM D3498 AND SUITABLE FOR USE WITH MASONRY, RUBBER AND METAL MATERIALS. APPLY IN CONTINUOUS 1/2 INCH BEADS.
- UNDER NO CIRCUMSTANCE SHALL A RUBBER GRADE RING BE MODIFIED OR ALTERED IN LIEU OF USING THE APPROPRIATE TAPERED GRADE RING.



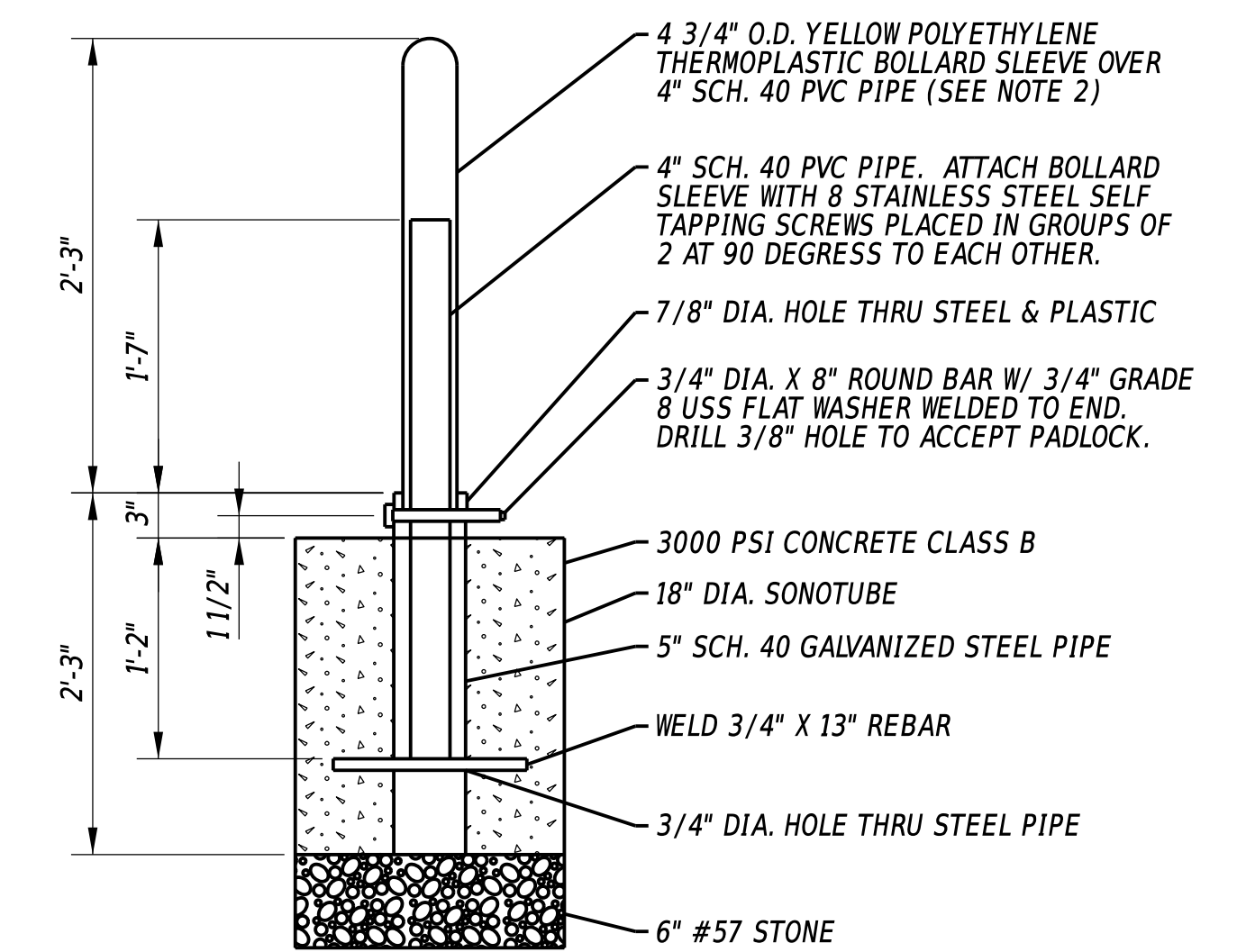
RIPRAP DETAIL AT CURB OPENING WITH SIDEWALK NOT TO SCALE

NOTES:

- MATCH EX. DITCH WIDTH, LOCATION, AND ELEVATION TO MAINTAIN POSITIVE DRAINAGE.
- GABC TO BE USED UNDER CURB OPENING.



PLAN VIEW



SECTION VIEW

NOTES:

- ALL STEEL SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.
- REMOVABLE BOLLARD SLEEVE IS MODEL #BPD-YL-3 1/2-66-S DISTRIBUTED BY BOLLARDS AND SLEEVES, LLC (1-800-914-4771), OR AN APPROVED EQUAL.
- EXCAVATION, INSTALLATION, AND ALL MATERIALS SHOWN ARE INCIDENTAL TO ITEM NO. 720556 - BOLLARD.

BOLLARD DETAIL NOT TO SCALE

Plans are for bidding purposes only and are not intended for construction.

ADDENDA / REVISIONS

NOT TO SCALE

PEDESTRIAN ACCESS ROUTES AND SIDEWALK IMPROVEMENTS, NEW CASTLE COUNTY FY25-FY27

CONTRACT T202501101.02	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: S. NICKEL
	CHECKED BY: M. STEIMER

WORK ORDER #4 CONSTRUCTION DETAILS

SHEET NO. 20



GENERAL MOT NOTES

1. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO TYPICAL APPLICATION TA-3, TA-3A, TA-10, AND TA-33 OF THE DELAWARE MUTCD.
2. AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED TRAFFIC CONTROL SUPERVISOR REQUIREMENT FOR THIS PROJECT.

(X)	THE CONTRACTOR SHALL NOT BE REQUIRED TO HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT.
()	THE CONTRACTOR SHALL HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT AND THAT PERSON'S SOLE RESPONSIBILITY SHALL BE THE MANAGEMENT AND SUPERVISION OF THE PROJECT'S TEMPORARY TRAFFIC CONTROL ACTIVITIES. THIS PERSON SHALL NOT HAVE ANY OTHER ROLE ON THE PROJECT. RESPONSIBILITIES AND REQUIREMENTS OF THE ATSSA SUPERVISOR ARE DEFINED IN SECTION 812 OF THE STANDARD SPECIFICATIONS. PAYMENT FOR ATSSA SUPERVISOR IS INCIDENTAL TO ITEM 801000.

3. THE USE OF MILLINGS AND GRADED AGGREGATE BASE COURSE (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 DOCUMENTS OR APPROVED BY THE ENGINEER. PAYMENT FOR COLD PATCH, BITUMINOUS CONCRETE OR BITUMINOUS CONCRETE WEDGE SHALL BE PAID AS NOTED IN THE CONTRACT DOCUMENTS. TAPER MILL BITUMINOUS CONCRETE SHALL BE PAID UNDER 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 MILLINGS AND GABC WILL BE ROLLED AND COMPACTED TO HELP PREVENT THE MATERIAL FROM UNRAVELLING:

- A. DRIVEWAYS
- B. ENTRANCES
- C. LOW VOLUME ACCESS RAMPS (IDENTIFIED IN THE CONTRACT DOCUMENTS)
- D. EDGE DROP-OFFS ADJACENT TO LIVE ROADWAY (LANES AND SHOULDER) 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 TRAVELWAY, DRIVEWAY OR ENTRANCE ACCESS SHALL BE INCIDENTAL TO ITEM NO. 801000 - MAINTENANCE OF TRAFFIC. THE BASE COURSE MATERIAL SHALL BE PLACED AT NO GREATER THAN THE SLOPE SPECIFIED IN THE STANDARD CONSTRUCTION DETAILS 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.

4. THE CONTRACTOR SHALL PROVIDE ONE TRAFFIC OFFICER FOR ANY OPERATION WHERE AN EXISTING SIGNALIZED INTERSECTION IS PLACED IN FLASH MODE. THE TRAFFIC OFFICER IS THE ONLY INDIVIDUAL THAT CAN PLACE A TRAFFIC SIGNAL IN FLASH MODE, AND THE TRAFFIC OFFICER SHALL STAY ON LOCATION UNTIL THE SIGNAL IS PLACED BACK IN STOP-AND-GO OPERATION IN ACCORDANCE WITH DELDOT'S TEMPORARY TRAFFIC CONTROL WITHIN INTERSECTIONS MEMORANDUM (WWW.MUTCD.DELDOT.GOV).
5. PLACING AN EXISTING SIGNALIZED INTERSECTION IN FLASH MODE SHALL BE LIMITED TO THE HOURS BETWEEN 10 PM TO 6 AM, MONDAY - FRIDAY, UNLESS OTHERWISE APPROVED BY THE ENGINEER IN CONSULTATION WITH THE TRAFFIC SAFETY SECTION
6. ADDITIONAL USAGE OF TRAFFIC OFFICERS OUTSIDE OF THE ABOVE REQUIREMENTS SHALL BE APPROVED BY THE ENGINEER IN CONSULTATION WITH THE TRAFFIC SAFETY SECTION.
7. MESSAGE BOARDS SHALL BE PLACED 10 DAYS IN ADVANCE OF THE WORK AND TRAFFIC PATTERN CHANGES AND REMAIN IN PLACE FOR 5 DAYS AFTER THE START OF THE WORK. LOCATIONS OF MESSAGE BOARDS AND MESSAGES DISPLAYED SHALL BE REVIEWED AND APPROVED BY THE DISTRICT SAFETY OFFICER.
8. NEW PEDESTRIAN FACILITIES SHALL REMAIN CLOSED WITH TYPE 3 BARRICADES AND CLOSED SIGNS UNTIL ENTIRE SEGMENT IS CONSTRUCTED AND CONNECTED TO AN EXISTING FACILITY.

OGLETOWN STANTON ROAD (SR4) ALLOWABLE LANE CLOSURE HOURS (INCLUDING TURN LANES)

	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	
SUNDAY																									
MONDAY																									
TUESDAY																									
WEDNESDAY																									
THURSDAY																									
FRIDAY																									
SATURDAY																									

OLD CHURCHMANS ROAD & TWIN C LANE ALLOWABLE LANE CLOSURE HOURS (INCLUDING TURN LANES)

	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	
SUNDAY																									
MONDAY																									
TUESDAY																									
WEDNESDAY																									
THURSDAY																									
FRIDAY																									
SATURDAY																									

 LANE CLOSURE  ALL LANES OPEN

GENERAL EROSION AND SEDIMENT CONTROL (E&S) NOTES

1. THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN APPROVED BY DELDOT'S STORMWATER ENGINEER UNDER DELDOT'S DELEGATED AUTHORITY. PLAN APPROVAL IS VALID FOR A ONE-YEAR PERIOD BEGINNING ON THE DATE OF THE STORMWATER ENGINEER'S SIGNATURE FOR A STANDARD PLAN.

<i>Steven Sisson</i>	10/30/2024
DELDOT STORMWATER ENGINEER	DATE
I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THESE PLANS MEET THE REQUIREMENTS OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.	

AMOUNT OF DISTURBED AREA FOR THE PROJECT	0.819 AC
ADDED IMPERVIOUS FOR THE PROJECT	10,890 SF
HUC-10 WATERSHED	WHITE CLAY CREEK

2. ASSIGN A RESPONSIBLE PERSON TO BE ON SITE DURING ALL EARTH DISTURBING ACTIVITIES AND BE AN ACTIVE DNREC BLUE CARD HOLDER AS DEFINED IN SECTION 6.2 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS (DSSR). BE FAMILIAR WITH AND COMPLY WITH ALL ASPECTS OF THE NPDES CONSTRUCTION GENERAL PERMIT.
3. FILE AS A CO-PERMITTEE IN ACCORDANCE WITH SECTION 901 OF THE STANDARD SPECIFICATIONS. POSTING AND MAINTENANCE OF THE NOI PERMIT COVERAGE IS INCIDENTAL TO THE CONTRACT.
4. REVISIONS TO THE SWPPP OR ENVIRONMENTAL COMPLIANCE PLAN SHEET(S) SHALL BE APPROVED PRIOR TO INITIATION IN THE FIELD. THE ENGINEER IS RESPONSIBLE FOR APPROVING ALL REDLINES AND REVISIONS TO THE SWPPP.
5. IMPLEMENTING AND MAINTAINING POLLUTION PREVENTION DEVICES AND PRACTICES IS REQUIRED UNDER THE DELAWARE CONSTRUCTION GENERAL PERMIT AND THE DSSR AND ARE INCIDENTAL TO THE CONTRACT.
6. A SOIL STOCKPILE, AS DESCRIBED IN DELDOT STANDARD SPECIFICATIONS AND DEFINED IN THE DELAWARE EROSION & SEDIMENT CONTROL HANDBOOK, IS ANY LOCATION WITHIN THE LIMITS OF CONSTRUCTION WHERE A TEMPORARY DEPOSIT OF EXCAVATED SOIL IS BEING RESERVED FOR FUTURE USE. A SOIL STOCKPILE SHALL BE LOCATED A MINIMUM OF 50 FEET FROM A STORM DRAIN INLET, OPEN CHANNEL, WETLAND, OR WATERBODY. A REQUEST MAY BE MADE TO THE ENGINEER TO PERMIT LOCATING A SOIL STOCKPILE LESS THAN 50 FEET FROM A STORM DRAIN INLET OR OPEN CHANNEL. UPON APPROVAL, IF ANY PART OF A SOIL STOCKPILE IS LESS THAN 50 FEET FROM A STORM DRAIN INLET OR OPEN CHANNEL, INSTALL A SUPER SILT FENCE PERIMETER TO PROTECT THE SOIL STOCKPILE. THE SUPER SILT FENCE MUST BE CONSTRUCTED IN ACCORDANCE WITH 905.3.B.3 OF THE STANDARD SPECIFICATIONS. THE COST FOR INSTALLATION AND MAINTENANCE OF THE STOCKPILE SUPER SILT FENCE IS INCIDENTAL TO THE CONTRACT.
7. PROTECT AGAINST SEDIMENT OR DEBRIS LADEN RUNOFF FROM LEAVING THE SITE. CHECK PERIMETER CONTROLS DAILY AND ADJUST OR REPAIR TO FULLY CONTAIN AND CONTROL SEDIMENT FROM LEAVING THE SITE. REMOVE ACCUMULATED SEDIMENT BEFORE IT HAS REACHED HALF OF THE EFFECTIVE CAPACITY OF THE CONTROL. ADJUST OR ALTER MEASURES IN TIMES OF ADVERSE WEATHER CONDITIONS, OR AS DIRECTED BY THE ENGINEER.
8. ANY SEDIMENT LADEN DISCHARGE LEAVING THE LIMIT OF CONSTRUCTION SHALL IMMEDIATELY BE ADDRESSED THROUGH BEST AVAILABLE TECHNOLOGIES TO CONTROL ANY FURTHER SEDIMENT LADEN DISCHARGE. REMEDIATION MAY INCLUDE STANDARD E&S PRACTICES OR OTHER METHODS AS APPROVED BY THE ENGINEER.
9. ALL TEMPORARY CONCENTRATED FLOW AREAS INCLUDING CHANNEL SIDE SLOPES SHALL HAVE EROSION CONTROL BLANKET MULCH AS DIRECTED BY THE ENGINEER. INSTALL WITHIN SEVEN CALENDAR DAYS UPON CONSTRUCTION INITIATION. A TEMPORARY CONCENTRATED FLOW AREA MAY INCLUDE DITCHES, SWALES, BERMS, CONCENTRATED RUNOFF AREAS, ETC.
10. FOR ANY PERMANENT STORMWATER MANAGEMENT FACILITY, FOLLOW THAT FACILITY'S SEQUENCE OF CONSTRUCTION AS NOTED ON THE STORMWATER MANAGEMENT SHEETS.
11. PER SIDEWALK, TRAIL, OR OTHER LINEAR IMPERVIOUS SURFACES STANDARD PLAN APPROVAL, NO MORE THAN 1.0 ACRE MAY BE DISTURBED AT ANY TIME. FURTHER DISTURBANCE MAY NOT PROCEED UNTIL TEMPORARY OR PERMANENT STABILIZATION OF THE PREVIOUSLY DISTURBED AREA IS COMPLETED TO THE SATISFACTION OF AND AS APPROVED BY THE ENGINEER.
12. MAINTAIN POSITIVE DRAINAGE IN EXISTING AND PROPOSED DRAINAGE SYSTEMS BY EXECUTING CONSTRUCTION, CLEANING EXISTING DRAINAGE SYSTEMS, AND PROPERLY DISPOSING OF SEDIMENT THROUGHOUT THE DURATION OF THE PROJECT.

GENERAL E&S SEQUENCE NOTES (FOR ALL PHASES)

1. POST NOI PERMIT COVERAGE SO THAT IT IS VISIBLE IN CLOSE PROXIMITY TO THE CONSTRUCTION SITE AS DIRECTED BY THE ENGINEER. THE NOTICE MUST BE IN ACCORDANCE WITH DELDOT GUIDANCE.
2. INSTALL ALL PERIMETER E&S ITEMS AND SENSITIVE AREA PROTECTIONS PRIOR TO ANY LAND DISTURBING ACTIVITIES. THE ONLY LAND DISTURBANCE ALLOWABLE IS WHAT IS NECESSARY TO INSTALL THE PERIMETER E&S ITEMS.
3. ESTABLISH CONSTRUCTION STAGING AREAS AND INSTALL E&S CONTROLS.
4. ONCE PERIMETER E&S CONTROLS ARE INSTALLED, THEY SHALL BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE ANY OTHER LAND DISTURBING ACTIVITIES CAN BEGIN.
5. INTERIOR EROSION AND SEDIMENT CONTROL ITEMS SHALL BE PLACED AS PER PLAN.
6. NOTIFY THE ENGINEER 48 HOURS BEFORE CONSTRUCTION OF ALL STORMWATER MANAGEMENT FACILITY COMPONENTS IN ACCORDANCE WITH THE STORMWATER MANAGEMENT SHEET FACILITY CONSTRUCTION SEQUENCE.
8. PRIOR TO COMMENCING A NEW PHASE OF CONSTRUCTION, APPROVAL IS REQUIRED FROM THE ENGINEER THAT THE AREAS WITHIN THE PREVIOUS PHASE HAVE BEEN SUFFICIENTLY STABILIZED.
9. COMPLETE PERMANENT STABILIZATION WITHIN SEVEN (7) CALENDAR DAYS UPON REACHING FINAL GRADE.
10. DO NOT REMOVE E&S DEVICES UNLESS DIRECTED BY THE ENGINEER.

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ADDENDA / REVISIONS

SCALE NOT NOTED

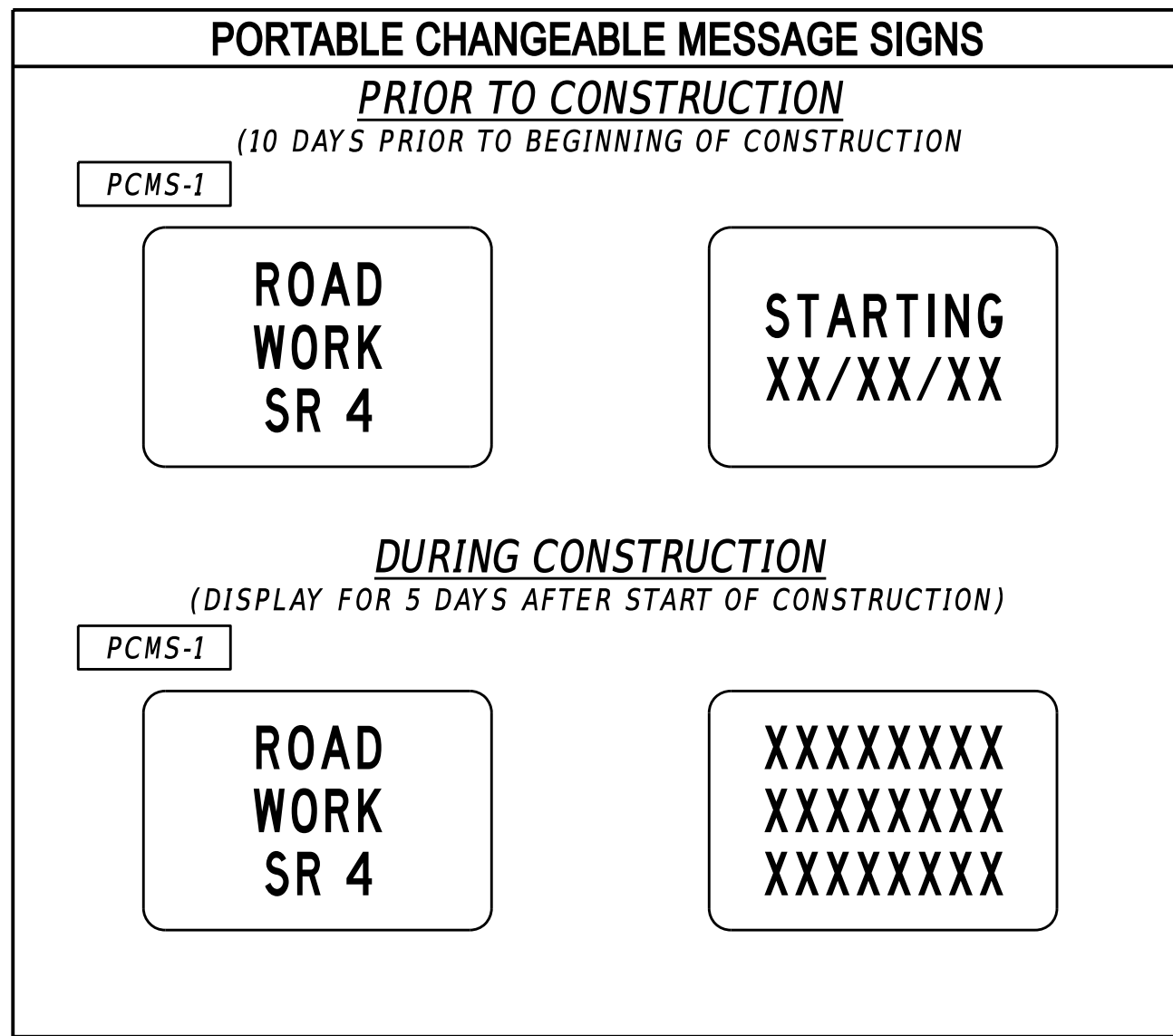
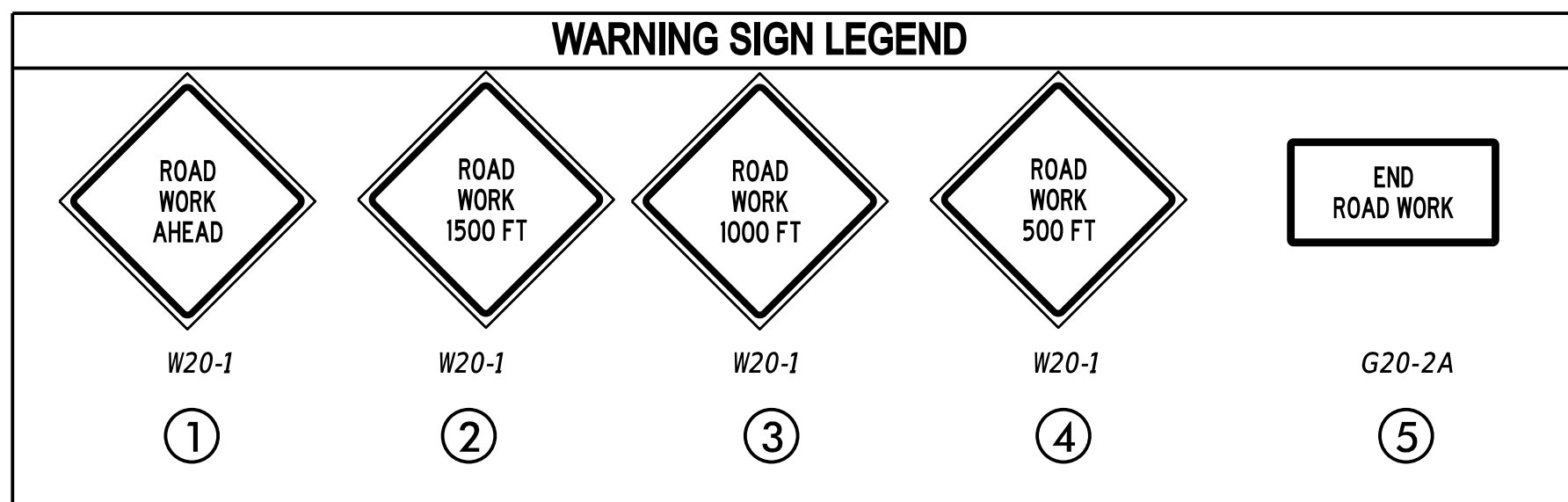
PEDESTRIAN ACCESS ROUTES AND
SIDEWALK IMPROVEMENTS,
NEW CASTLE COUNTY FY25-FY27

CONTRACT	BRIDGE NO.	N/A
T202501101.02	DESIGNED BY:	S. NICKEL
COUNTY	CHECKED BY:	M. STEIMER
NEW CASTLE		

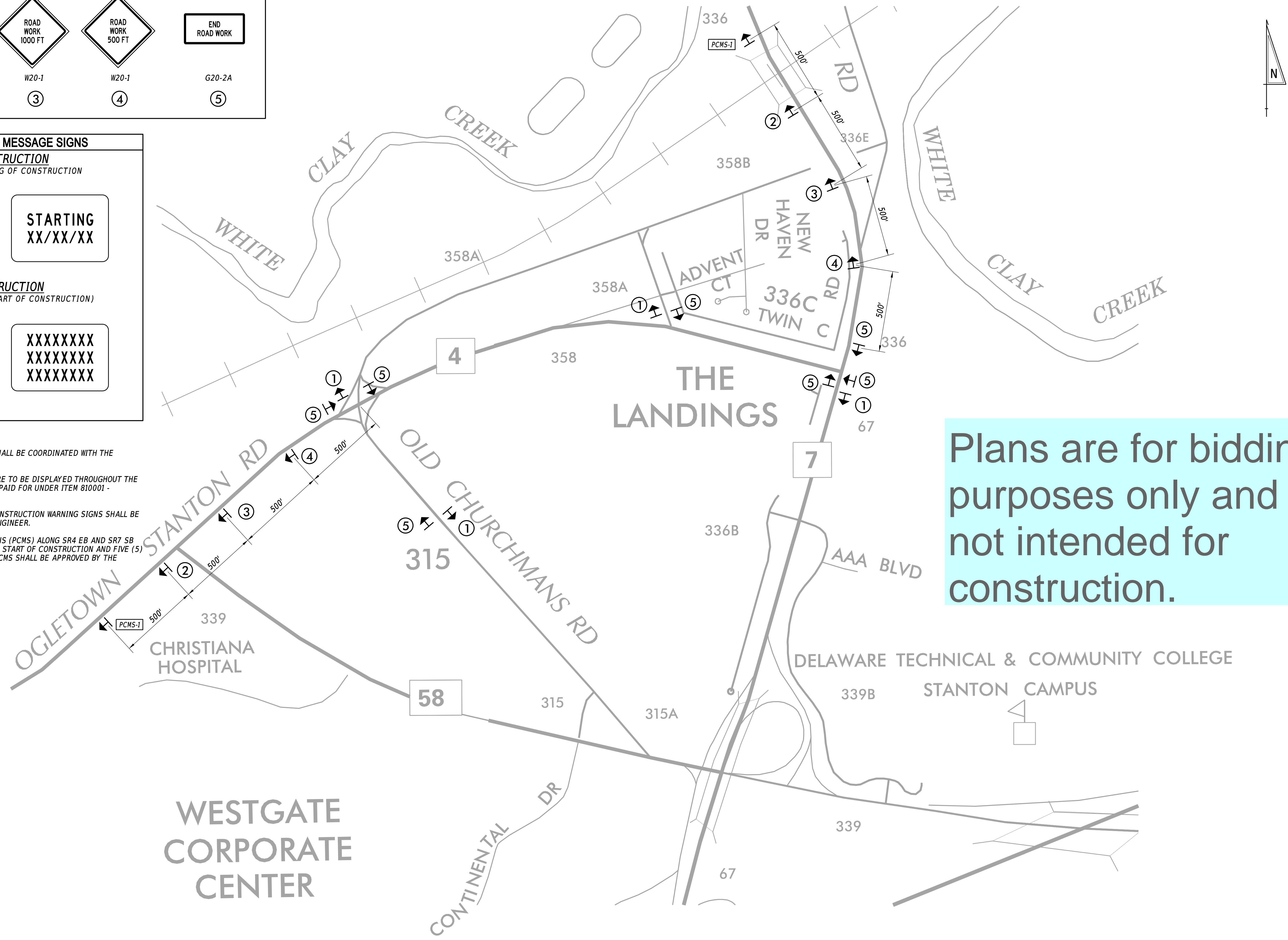
WORK ORDER #4
CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN

SECTION
WM
SHEET NO.
21





- NOTES:**
- FINAL LOCATION OF ALL PERMANENT SIGNS SHALL BE COORDINATED WITH THE ENGINEER.
 - ALL WARNING SIGNS SHOWN ON THIS SHEET ARE TO BE DISPLAYED THROUGHOUT THE DURATION OF THE CONTRACT AND ARE TO BE PAID FOR UNDER ITEM 810001 - TEMPORARY WARNING SIGNS AND PLAQUES.
 - ANY EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION WARNING SIGNS SHALL BE COVERED AS NEEDED AS DIRECTED BY THE ENGINEER.
 - PLACE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) ALONG SR4 EB AND SR7 SB TEN (10) CALENDAR DAYS IN ADVANCE OF THE START OF CONSTRUCTION AND FIVE (5) DAYS AFTER THE START OF CONSTRUCTION. PCMS SHALL BE APPROVED BY THE DISTRICT SAFETY OFFICER PRIOR TO USE.

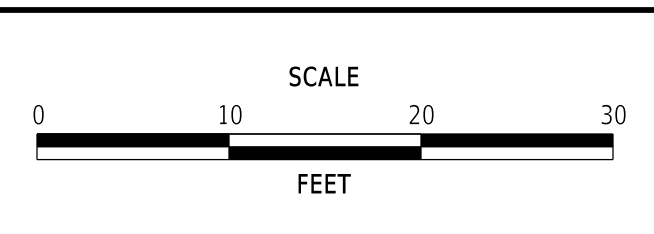


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ADDENDA / REVISIONS



PEDESTRIAN ACCESS ROUTES AND SIDEWALK IMPROVEMENTS, NEW CASTLE COUNTY FY25-FY27

CONTRACT T202501101.02	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: S. NICKEL
	CHECKED BY: M. STEIMER

WORK ORDER #4 CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN

SECTION WM
SHEET NO. 22

SEQUENCE OF CONSTRUCTION

PHASE 1

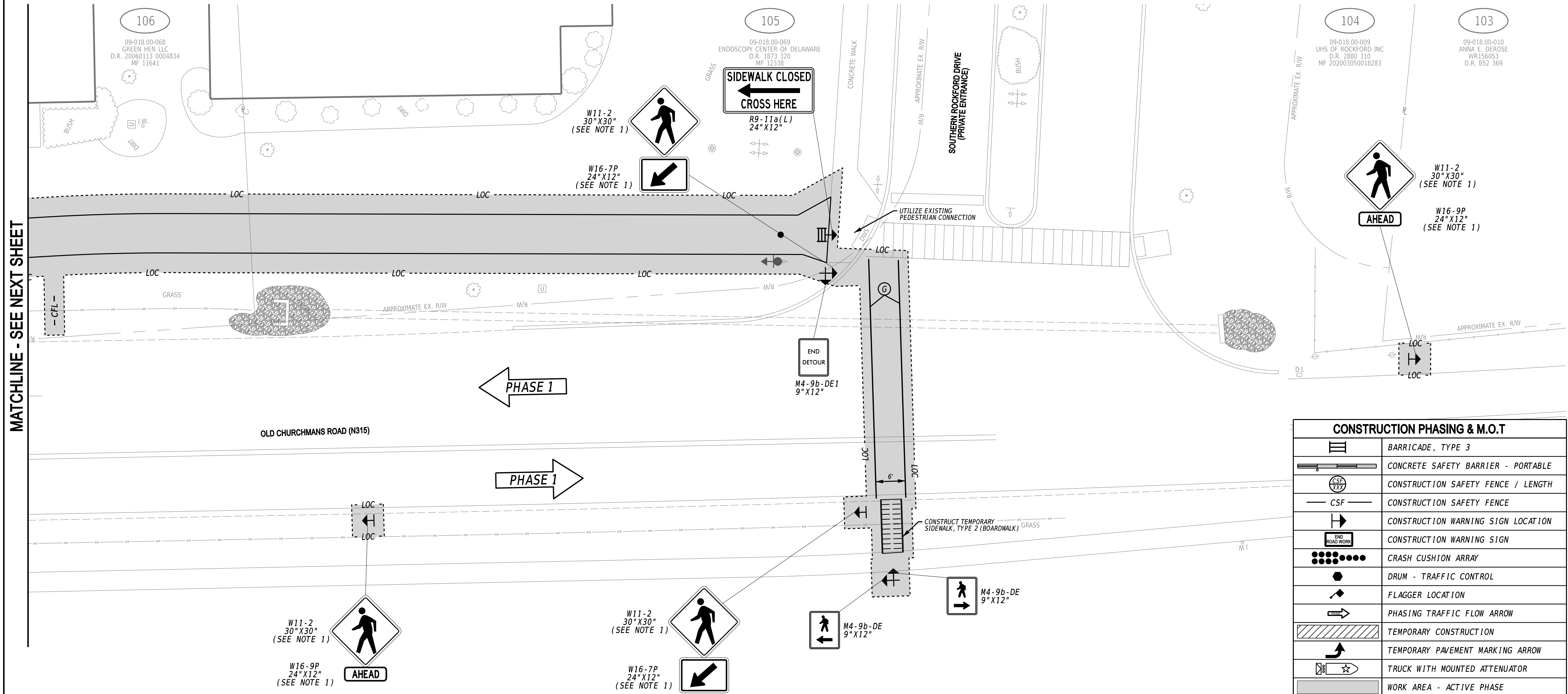
1. INSTALL ALL EROSION AND SEDIMENT PERIMETER CONTROL MEASURES, STABILIZED CONSTRUCTION ENTRANCES, AND INLET PROTECTION.
2. PLACE ALL TEMPORARY WARNING SIGNS, TEMPORARY SIDEWALK, BARRICADES, AND STRIPING AS SHOWN ON CONSTRUCTION, PHASING, MOT, AND EROSION CONTROL PLANS.
3. IMPLEMENT PEDESTRIAN DETOUR.
4. USE TA-1 TO EXCAVATE AND RECONSTRUCT SHARED-USE PATH BETWEEN THE SOUTHERN AND NORTHERN ROCKFORD DRIVE AND TA-27 TO CONSTRUCT THE PEDESTRIAN CONNECTION ON THE SOUTH SIDE OF NORTHERN ROCKFORD DRIVE WHILE MAINTAINING VEHICULAR AND PEDESTRIAN TRAFFIC INTO THE NORTHERN ROCKFORD DRIVE ENTRANCE.
5. USE TA-1 TO EXCAVATE AND RECONSTRUCT SHARED-USE PATH BETWEEN THE NORTHERN ROCKFORD DRIVE AND SR 4 (OGLETOWN STANTON ROAD) AND TA-27 TO CONSTRUCT THE PEDESTRIAN CONNECTION ON THE NORTH SIDE OF NORTHERN ROCKFORD DRIVE WHILE MAINTAINING VEHICULAR AND PEDESTRIAN TRAFFIC INTO THE NORTHERN ROCKFORD DRIVE ENTRANCE.
6. USE TA-10 TO REMOVE EXISTING PCC ON THE EAST AND WEST SIDE OF OLD CHURCHMANS ROAD AT THE NORTHERN ROCKFORD DRIVE ENTRANCE.
7. STABILIZE ALL DISTURBED AREAS.
8. REMOVE ALL EROSION AND SEDIMENT PERIMETER CONTROL MEASURES.
9. PLACE ALL PERMANENT WARNING SIGNS.
10. PLACE FINAL PAVEMENT MARKINGS.
11. REMOVE ALL REMAINING TEMPORARY TRAFFIC CONTROL DEVICES, TEMPORARY PAVEMENT MARKINGS, AND TEMPORARY SIDEWALK.

NOTE:

1. SIGN COLOR: BLACK ON RETROREFLECTIVE PRISMATIC FLUORESCENT ORANGE.

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TEMPORARY PAVEMENT MARKINGS LEGEND		
SYM.	ITEM	QUANTITY
Ⓞ	TEMPORARY MARKINGS, TAPE, 12" SOLID (ITEM 865004)	98 LF

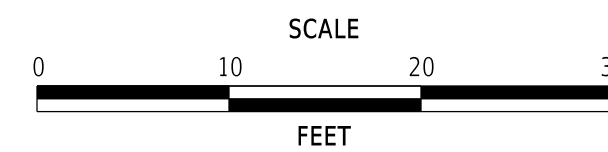


CONSTRUCTION PHASING & M.O.T	
	BARRICADE, TYPE 3
	CONCRETE SAFETY BARRIER - PORTABLE
	CONSTRUCTION SAFETY FENCE / LENGTH
	CONSTRUCTION SAFETY FENCE
	CONSTRUCTION WARNING SIGN LOCATION
	CONSTRUCTION WARNING SIGN
	CRASH CUSHION ARRAY
	DRUM - TRAFFIC CONTROL
	FLAGGER LOCATION
	PHASING TRAFFIC FLOW ARROW
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TRUCK WITH MOUNTED ATTENUATOR
	WORK AREA - ACTIVE PHASE

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ADDENDA / REVISIONS



PEDESTRIAN ACCESS ROUTES AND SIDEWALK IMPROVEMENTS, NEW CASTLE COUNTY FY25-FY27

CONTRACT	BRIDGE NO.	N/A
T202501101.02	DESIGNED BY:	S. NICKEL
COUNTY	CHECKED BY:	M. STEIMER
NEW CASTLE		

WORK ORDER #4 CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 1

SECTION	WM
SHEET NO.	23

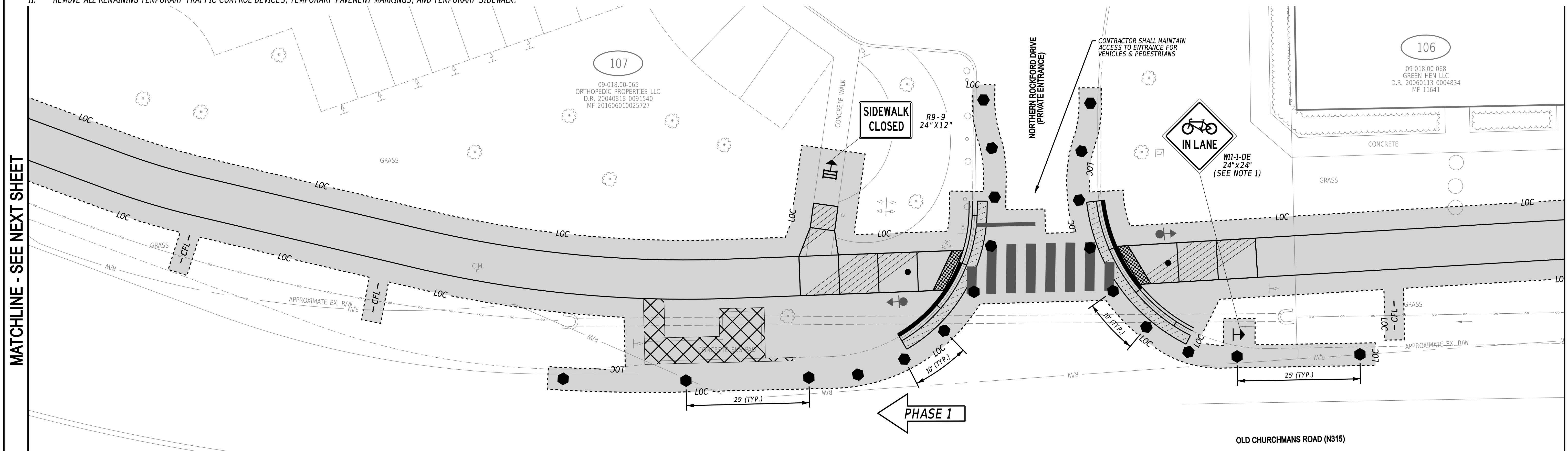
SEQUENCE OF CONSTRUCTION

PHASE 1

1. INSTALL ALL EROSION AND SEDIMENT PERIMETER CONTROL MEASURES, STABILIZED CONSTRUCTION ENTRANCES, AND INLET PROTECTION.
2. PLACE ALL TEMPORARY WARNING SIGNS, TEMPORARY SIDEWALK, BARRICADES, AND STRIPING AS SHOWN ON CONSTRUCTION PHASING, MOT, AND EROSION CONTROL PLANS.
3. IMPLEMENT PEDESTRIAN DETOUR.
4. USE TA-1 TO EXCAVATE AND RECONSTRUCT SHARED-USE PATH BETWEEN THE SOUTHERN AND NORTHERN ROCKFORD DRIVE AND TA-27 TO CONSTRUCT THE PEDESTRIAN CONNECTION ON THE SOUTH SIDE OF NORTHERN ROCKFORD DRIVE WHILE MAINTAINING VEHICULAR AND PEDESTRIAN TRAFFIC INTO THE NORTHERN ROCKFORD DRIVE ENTRANCE.
5. USE TA-1 TO EXCAVATE AND RECONSTRUCT SHARED-USE PATH BETWEEN THE NORTHERN ROCKFORD DRIVE AND SR 4 (OGLETOWN STANTON ROAD) AND TA-27 TO CONSTRUCT THE PEDESTRIAN CONNECTION ON THE NORTH SIDE OF NORTHERN ROCKFORD DRIVE WHILE MAINTAINING VEHICULAR AND PEDESTRIAN TRAFFIC INTO THE NORTHERN ROCKFORD DRIVE ENTRANCE.
6. USE TA-10 TO REMOVE EXISTING PCC ON THE EAST AND WEST SIDE OF OLD CHURCHMANS ROAD AT THE NORTHERN ROCKFORD DRIVE ENTRANCE.
7. STABILIZE ALL DISTURBED AREAS.
8. REMOVE ALL EROSION AND SEDIMENT PERIMETER CONTROL MEASURES.
9. PLACE ALL PERMANENT WARNING SIGNS.
10. PLACE FINAL PAVEMENT MARKINGS.
11. REMOVE ALL REMAINING TEMPORARY TRAFFIC CONTROL DEVICES, TEMPORARY PAVEMENT MARKINGS, AND TEMPORARY SIDEWALK.

NOTE:
1. SIGN COLOR: BLACK ON RETROREFLECTIVE PRISMATIC FLUORESCENT ORANGE.

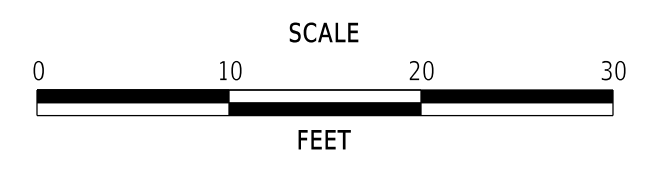
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CONSTRUCTION PHASING & M.O.T	
	BARRICADE, TYPE 3
	CONCRETE SAFETY BARRIER - PORTABLE
	CONSTRUCTION SAFETY FENCE / LENGTH
	CONSTRUCTION SAFETY FENCE
	CONSTRUCTION WARNING SIGN LOCATION
	CONSTRUCTION WARNING SIGN
	CRASH CUSHION ARRAY
	DRUM - TRAFFIC CONTROL
	FLAGGER LOCATION
	PHASING TRAFFIC FLOW ARROW
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TRUCK WITH MOUNTED ATTENUATOR
	WORK AREA - ACTIVE PHASE

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ADDENDA / REVISIONS



PEDESTRIAN ACCESS ROUTES AND SIDEWALK IMPROVEMENTS, NEW CASTLE COUNTY FY25-FY27

CONTRACT	BRIDGE NO.	N/A
T202501101.02	DESIGNED BY:	S. NICKEL
COUNTY	CHECKED BY:	M. STEIMER
NEW CASTLE		

WORK ORDER #4 CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 1

SECTION	WM
SHEET NO.	24

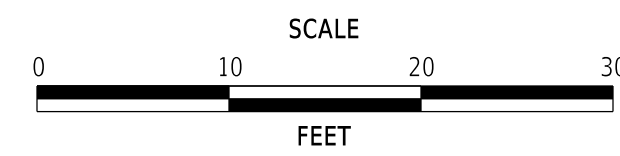
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SEQUENCE OF CONSTRUCTION

PHASE 1

1. INSTALL ALL EROSION AND SEDIMENT PERIMETER CONTROL MEASURES, STABILIZED CONSTRUCTION ENTRANCES, AND INLET PROTECTION.
2. PLACE ALL TEMPORARY WARNING SIGNS, TEMPORARY SIDEWALK, BARRICADES, AND STRIPING AS SHOWN ON CONSTRUCTION, PHASING, MOT, AND EROSION CONTROL PLANS.
3. IMPLEMENT PEDESTRIAN DETOUR.
4. USE TA-1 TO EXCAVATE AND RECONSTRUCT SHARED-USE PATH BETWEEN THE SOUTHERN AND NORTHERN ROCKFORD DRIVE AND TA-27 TO CONSTRUCT THE PEDESTRIAN CONNECTION ON THE SOUTH SIDE OF NORTHERN ROCKFORD DRIVE WHILE MAINTAINING VEHICULAR AND PEDESTRIAN TRAFFIC INTO THE NORTHERN ROCKFORD DRIVE ENTRANCE.
5. USE TA-1 TO EXCAVATE AND RECONSTRUCT SHARED-USE PATH BETWEEN THE NORTHERN ROCKFORD DRIVE AND SR 4 (OGLETOWN STANTON ROAD) AND TA-27 TO CONSTRUCT THE PEDESTRIAN CONNECTION ON THE NORTH SIDE OF NORTHERN ROCKFORD DRIVE WHILE MAINTAINING VEHICULAR AND PEDESTRIAN TRAFFIC INTO THE NORTHERN ROCKFORD DRIVE ENTRANCE.
6. USE TA-10 TO REMOVE EXISTING PCC ON THE EAST AND WEST SIDE OF OLD CHURCHMANS ROAD AT THE NORTHERN ROCKFORD DRIVE ENTRANCE.
7. STABILIZE ALL DISTURBED AREAS.
8. REMOVE ALL EROSION AND SEDIMENT PERIMETER CONTROL MEASURES.
9. PLACE ALL PERMANENT WARNING SIGNS.
10. PLACE FINAL PAVEMENT MARKINGS.
11. REMOVE ALL REMAINING TEMPORARY TRAFFIC CONTROL DEVICES, TEMPORARY PAVEMENT MARKINGS, AND TEMPORARY SIDEWALK.

ADDENDA / REVISIONS



PEDESTRIAN ACCESS ROUTES AND SIDEWALK IMPROVEMENTS, NEW CASTLE COUNTY FY25-FY27

CONTRACT	BRIDGE NO.	N/A
T202501101.02	DESIGNED BY:	S. NICKEL
COUNTY	CHECKED BY:	M. STEIMER
NEW CASTLE		

WORK ORDER #4 CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 1

SECTION
WM
SHEET NO.
25

CONSTRUCTION PHASING & M.O.T	
	BARRICADE, TYPE 3
	CONCRETE SAFETY BARRIER - PORTABLE
	CONSTRUCTION SAFETY FENCE / LENGTH
	CONSTRUCTION SAFETY FENCE
	CONSTRUCTION WARNING SIGN LOCATION
	CONSTRUCTION WARNING SIGN
	CRASH CUSHION ARRAY
	DRUM - TRAFFIC CONTROL
	FLAGGER LOCATION
	PHASING TRAFFIC FLOW ARROW
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TRUCK WITH MOUNTED ATTENUATOR
	WORK AREA - ACTIVE PHASE

