

EXISTING SYMBOLS

DRAINAGE	
	DITCH OR STREAM CENTERLINE
	DIRECTIONAL STREAM FLOW ARROW
	DRAINAGE INLET
	DRAINAGE JUNCTION BOX
	DRAINAGE MANHOLE
	DRAINAGE PIPE AND FLOW ARROW
	DRAINAGE PIPE HEADWALL
	RIPRAP - AREA FEATURE
	RIPRAP - LINEAR FEATURE

MANMADE ROADSIDE FEATURES	
	BOLLARD - STEEL POLE
	BOLLARD - WOOD POST
	CURB
	CURB AND GUTTER
	FENCE - CHAINLINK OR STRANDED
	FENCE - STOCKADE OR SPLIT RAIL
	FLAG POLE
	GUARDRAIL - STEEL BEAM
	GUARDRAIL - WIRE ROPE
	LAMP AND POST - RESIDENTIAL
	MAILBOX
	PARKING METER AND POST
	PAVEMENT - FLEXIBLE
	PAVEMENT - RIGID
	PILE - BRIDGE
	PILLAR OR MISCELLANEOUS POST
	TRAFFIC SIGN AND POST
	WALL - BRICK OR BLOCK
	WALL - STONE

NATURAL ROADSIDE FEATURES	
	GRASS LAWN
	HEDGEROW OR THICKET
	MARSH BOUNDARY LINE
	TREE - CONIFEROUS
	TREE - DECIDUOUS
	TREE STUMP
	SHRUBBERY
	DELINEATED WETLAND BOUNDARY LINE
	WOODS LINE BOUNDARY

RIGHT-OF-WAY SYMBOLS	
	PROPERTY MARKER - CONCRETE MON.
	PROPERTY MARKER - IRON PIPE
	HISTORIC RIGHT-OF-WAY BASELINE
	EXISTING RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	EXISTING DENIAL OF ACCESS
	EXISTING R/W & DENIAL OF ACCESS

SURVEY CONTROL & MONUMENTATION	
	SURVEY BENCHMARK LOCATION
	SURVEY TIE POINT LOCATION
	SURVEY TRAVERSE POINT
	POINT OF CURVATURE OR TANGENCY
	POINT OF INTERSECTING TANGENTS

UTILITY	
	SOIL BORING LOCATION
	UTILITY TEST HOLE LOCATION
	CABLE TV DISTRIBUTION BOX
	ELECTRIC MANHOLE
	ELECTRIC METER
	ELECTRIC TRANSFORMER
	POLE MOUNTED LUMINAIRE
	GAS MANHOLE
	GAS METER
	GAS VALVE
	GAS PUMP - SERVICE STATION
	RAILROAD TRACKS
	SANITARY SEWER MANHOLE
	SANITARY SEWER VALVE
	SANITARY SEWER VENT OR CLEANOUT
	SEPTIC DRAIN FIELD
	TELEPHONE BOOTH
	TELEPHONE MANHOLE
	TELEPHONE TEST POINT
	TRAFFIC - CONDUIT JUNCTION WELL
	TRAFFIC - LIGHT POLE AND BASE
	TRAFFIC - PEDESTRIAN POLE & BASE
	TRAFFIC - SIGNAL CABINET & BASE
	TRAFFIC - SIGNAL POLE AND BASE
	UTILITY BOX
	UTILITY POLE GUY WIRE ANCHOR
	UTILITY POLE
	WATER - FIRE HYDRANT
	WATER METER
	WATER VALVE
	WELL HEAD
	MANHOLE - UNDETERMINED OWNER

UTILITY COMPANY FACILITIES	
	EXISTING UTILITY NAME

CONSTRUCTION	
	CONCRETE SAFETY BARRIER - PERMANENT
	BIOFILTRATION SWALE
	BRICK PATTERNED SURFACE
	BUTT JOINT
	CONSTRUCTION BASELINE
	CONSTRUCTION SAFETY FENCE
	CURB, TYPE 1 & TYPE 3
	CURB, TYPE 2
	CURB & GUTTER, TYPE 1
	CURB & GUTTER, TYPE 2
	CURB & GUTTER, TYPE 3
	CURB & GUTTER, TYPE 4
	CLEAR ZONE
	DRAINAGE INLET
	DITCH
	FENCE - METAL
	FENCE - WOOD
	FLARED END SECTION
	GUARDRAIL, TYPE 1
	GUARDRAIL, TYPE 2
	GUARDRAIL, TYPE 3
	GUARDRAIL END ANCHORAGE
	GUARDRAIL END TREATMENT, TYPE 1
	GUARDRAIL END TREATMENT, TYPE 2
	GUARDRAIL END TREATMENT, TYPE 3
	HORIZONTAL CLEARANCE
	IMPACT ATTENUATOR
	JUNCTION BOX - DRAINAGE
	LIMIT OF CONSTRUCTION
	MAILBOX
	MANHOLE
	PAVEMENT PATCH
	PAVEMENT REMOVAL - TOPSOIL, SEED AND MULCH
	PIPE & DIRECTIONAL FLOW ARROW
	RIPRAP
	P.C.C. SIDEWALK - 4"
	P.C.C. SIDEWALK - 6" (USE 8" DEPTH FOR CHANNELIZATION ISLANDS.)
	UNDERDRAIN
	UNDERDRAIN OUTLET

RIGHT-OF-WAY SYMBOLS	
	PROPOSED RIGHT-OF-WAY MONUMENT
	PROPOSED DENIAL OF ACCESS
	PROPOSED PERMANENT EASEMENT
	PROPOSED RIGHT-OF-WAY
	PROPOSED R/W & DENIAL OF ACCESS
	TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED RIGHT-OF-WAY BASELINE

PROPOSED SYMBOLS

IDENTIFIERS	
	ADJUST BY CONTRACTOR
	ADJUST BY OTHERS
	CONCRETE SAFETY BARRIER
	CURB OR CURB & GUTTER
	CONVERT TO JUNCTION BOX
	CONVERT TO DRAINAGE MANHOLE
	CURB OPENING
	CURB RAMP / TYPE
	CURB RAMP / TYPE - WITHOUT SIDEWALK SURFACE DETECTABLE WARNING SYSTEM
	CONSTRUCTION SAFETY FENCE
	DRAINAGE INLET
	DO NOT DISTURB
	ENERGY DISSIPATOR
	FENCE
	FLARED END SECTION
	FILL WITH FLOWABLE FILL
	FILTRATION STRUCTURE
	GUARDRAIL
	JUNCTION BOX
	MANHOLE
	MONUMENT - RIGHT-OF-WAY
	PIPE
	RELOCATE BY CONTRACTOR
	RELOCATE BY OTHERS
	REMOVE BY CONTRACTOR
	REMOVE BY OTHERS
	UNDERDRAIN / LENGTH
	UNDERDRAIN OUTLET PIPE

LANDSCAPING	
	LANDSCAPE PLANTINGS
	SHRUBBERY
	CONIFEROUS TREE
	DECIDUOUS TREE

TRAFFIC	
	ITMS CONDUIT
	SIGNAL CONDUIT
	CONDUIT JUNCTION WELL
	LUMINAIRE
	PAVEMENT MARKINGS
	PAVEMENT STRIPING
	TRAFFIC SIGN

GENERAL NOTES

- THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS", DATED AUGUST 2001 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD CONSTRUCTION DETAILS", DATED 2001, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT.
- THE CONTRACTOR SHALL GIVE TWO (2) WEEKS NOTICE TO THE PROPERTY OWNER WHEN ANY FIXTURE, SHRUB OR OTHER OBJECT MUST BE REMOVED FROM THE RIGHT OF WAY OR EASEMENT AREA. IF THE OWNER HAS NOT ATTEMPTED TO SALVAGE THIS PROPERTY, THE CONTRACTOR SHALL REMOVE IT WITHOUT OBLIGATION. COMPENSATION SHALL BE INCIDENTAL TO THE CONTRACT.
- THE ENDS OF ALL CURBS SHALL BE DEPRESSED FLUSH WITH THE PAVEMENT AT A RATIO OF TWELVE TO ONE (12:1) UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL PVC SLEEVES (4" INSIDE MINIMUM DIAMETER, 6" INSIDE MAXIMUM DIAMETER) IN PROPOSED CONCRETE SIDEWALKS, ISLANDS, AND MEDIANS FOR FUTURE TRAFFIC SIGN POSTS AS DIRECTED BY THE ENGINEER. THE LOWER END OF THE SLEEVE SHALL SIT ON THE TOP OF THE SUBBASE MATERIAL. THE COST SHALL BE INCIDENTAL TO THE CONTRACT.
- STAGING AREAS - PROPER EROSION AND SEDIMENT CONTROL MEASURES AS DETERMINED BY THE ENGINEER SHALL BE INSTALLED IN ALL STAGING AREAS. ALL AREAS USED BY THE CONTRACTOR FOR STAGING OPERATIONS SHALL BE FULLY RESTORED BY THE CONTRACTOR UPON COMPLETION OF THE CONTRACT. IF THE STAGING AREA IS PAVED, IT SHALL BE RESTORED TO ITS ORIGINAL CONDITION. IF THE AREA IS UNPAVED, IT SHALL BE RE-GRADED, TOPSOILED, SEEDED AND MULCHED IN ACCORDANCE WITH DELAWARE STANDARD SPECIFICATIONS 732, 734 AND 735, FOR TOPSOIL, SEED AND MULCH RESPECTIVELY, TO THE SATISFACTION OF THE ENGINEER. THE SEED SHALL ADHERE TO THE SPECIFICATIONS OF SECTION 734 FOR PERMANENT GRASS SEEDING - DRY GROUND. ALL COSTS ASSOCIATED WITH RESTORATION OF THE STAGING AREA SHALL BE AT THE CONTRACTOR'S EXPENSE. IF THE ENGINEER DETERMINES THAT A SATISFACTORY STAND OF GRASS DOES NOT EXIST AT THE TIME OF FINAL INSPECTION, ALL COSTS ASSOCIATED WITH REESTABLISHING A SATISFACTORY STAND OF GRASS SHALL BE AT THE CONTRACTOR'S EXPENSE.
- SITE REVIEWER - AN EROSION CONTROL SITE REVIEWER SHALL BE A PERSON FROM THE CONTRACTOR'S STAFF ASSIGNED TO EROSION AND SEDIMENT CONTROL IMPLEMENTATION AND MAINTENANCE AND SHALL BE REQUIRED ON SPECIFIC PROJECTS. THE NAME AND DNR/CERTIFICATION NUMBER OF EACH SITE REVIEWER SO REQUIRED SHALL BE SUBMITTED TO THE DEPARTMENT AT THE TIME OF BID. THE NAME OF THE DELAWARE REGISTERED PROFESSIONAL ENGINEER PROVIDING DIRECTION AND SUPERVISION OF THE SITE REVIEWER, AS REQUIRED IN SECTION 12.3 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS, SHALL ALSO BE SUBMITTED TO THE DEPARTMENT AT THE TIME OF BID. THE SITE REVIEWER REQUIREMENTS IN EFFECT ON THIS PROJECT SHALL BE MARKED WITH AN "X" BELOW:

EROSION POTENTIAL FOR THIS PROJECT	SITE REVIEWER REQUIREMENT
() INSIGNIFICANT	NONE
(X) MINOR	CONTRACTOR CERTIFICATION COURSE TRAINING ONLY, AS DEFINED IN SECTION 13 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.
() MEDIUM	AT THE TIME OF BID OF THE CONTRACT, EITHER THE SUPERINTENDENT OR A SEPARATE INDIVIDUAL FROM THE CONTRACTOR'S STAFF SHALL BE A CERTIFIED CONSTRUCTION REVIEWER (CCR), AS DEFINED IN SECTION 12 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.
() MAJOR	SUPERINTENDENT AND AN INDIVIDUAL FROM CONTRACTOR'S STAFF SHALL BE CCR. ONE INDIVIDUAL FROM THE CONTRACTOR'S STAFF MUST BE A CCR AT THE TIME OF BID OF THE CONTRACT. THE SUPERINTENDENT MUST BECOME A CCR WITHIN ONE YEAR AFTER THE AWARD OF CONTRACT.

7. ELECTRONIC PROJECT FILES THAT WILL BE MADE AVAILABLE TO THE CONTRACTOR INCLUDE:

(X)	NONE
()	ASCII DATA FILES WITH COORDINATES AND ELEVATIONS FOR PROPOSED POINTS AS SELECTED BY THE ENGINEER.
()	RASTER FILES, IN .CAL FILE FORMAT, FOR ALL PLAN SHEETS.
()	EXISTING DIGITAL TERRAIN MODEL, IN .DTM FILE FORMAT, COMPATIBLE WITH SOFTWARE CURRENTLY USED BY DELDOT.
()	PROPOSED DIGITAL TERRAIN MODEL, IN .DTM FILE FORMAT, COMPATIBLE WITH SOFTWARE CURRENTLY USED BY DELDOT.
()	DESIGN FILE, IN .DGN FILE FORMAT, CONTAINING ONLY THE PROPOSED 3D TRIANGLES OF THE PROPOSED DIGITAL TERRAIN MODEL (DTM).

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.

8. 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. THE CONTRACTOR'S GENERAL SUPERINTENDENT FOR THIS PROJECT OR ANOTHER ATSSA CERTIFIED MEMBER OF THE CONTRACTOR'S PROJECT STAFF MAY BE THE ATSSA SUPERVISOR. PAYMENT FOR ATSSA SUPERVISOR IS INCIDENTAL TO ITEM 743000.
()	THE CONTRACTOR SHALL HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT. THE ATSSA SUPERVISOR'S SOLE JOB SHALL BE SUPERVISION OF THE INSTALLATION, OPERATION AND MAINTENANCE OF TRAFFIC CONTROL DEVICES FOR THIS PROJECT. THE CONTRACTOR'S GENERAL SUPERINTENDENT FOR THIS PROJECT SHALL NOT BE THE ATSSA SUPERVISOR. PAYMENT FOR ATSSA SUPERVISOR SHALL BE PAID FOR UNDER ITEM 743031.

- THE DISTURBED AREA FOR MAPLE LANE IS 0.292 ACRES. THE DISTURBED AREA FOR ELBERT-PALMER IS 0.101 ACRES. THE DISTURBED AREA FOR ST. MARY MAGDALEN IS 0.215 ACRES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO THE CONSTRUCTION SITE POLLUTION PREVENTION SPECIFICATIONS AS DETAILED IN SECTION 3.6 OF THE "DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK". ALL COSTS ASSOCIATED WITH ADHERING TO THE STANDARDS SHALL BE INCIDENTAL TO THE OVERALL CONTRACT COSTS.
- THE CONTRACTOR SHALL SALVAGE ANY GRANITE OR STONE CURB WITHIN THE PROJECT LIMITS AS DIRECTED BY THE ENGINEER. SALVAGED STONE OR GRANITE CURB SHALL BE DELIVERED TO THE CITY OF WILMINGTON'S DEPARTMENT OF PUBLIC WORKS CITY YARD AT EAST 13TH STREET & NORTHEAST BOULEVARD. ANY WORK ASSOCIATED WITH THE SALVAGING OF STONE OR GRANITE CURB SHALL BE INCIDENTAL TO ITEM 21000 REMOVAL OF STRUCTURES AND OBSTRUCTIONS, ITEM 705008 CURB RAMP, TYPE 1 OR ITEM 705009 CURB RAMP, TYPE 2, 3 AND/OR 4.

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.
- UNLESS OTHERWISE NOTED ON THE PLANS, EXISTING FEATURES (I.E. STEPS, FENCES, RAILINGS, BILCO DOORS, WINDOW WELLS, ETC.) SHALL NOT BE DISTURBED. IF THE EXISTING FEATURES ARE DISTURBED BY THE CONTRACTOR AT THE DISCRETION OF THE ENGINEER THEY SHALL BE RESTORED TO THE ORIGINAL CONDITION OR REPLACED AT THE CONTRACTOR'S EXPENSE.

SECTION 200

- THE CONTRACTOR SHALL REMOVE AND RESET ALL MAILBOXES TO MAINTAIN MAIL SERVICE AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL RELOCATE MAILBOXES AS REQUIRED BY THE PROPOSED GEOMETRICS AND AS DIRECTED BY THE ENGINEER. WHEN RELOCATING MAILBOXES IN CURBED SECTIONS, THE FACE OF THE MAILBOX SHALL BE FLUSH WITH THE BACK EDGE OF CURB. WHEN RELOCATING MAILBOXES IN OPEN SECTIONS, THE FACE OF THE MAILBOX SHALL SET BACK 8 INCHES FROM THE EDGE OF THE PAVED SHOULDER. THE BOTTOM OF THE MAILBOX SHALL BE SET 46 INCHES ABOVE THE ROADWAY SURFACE. MAILBOXES LOCATED AT DRIVEWAY ENTRANCES SHALL BE PLACED ON THE FAR SIDE OF THE DRIVEWAY IN THE DIRECTION OF TRAVEL. POSTS BEING RESET IN CONCRETE SIDEWALK SHALL BE PLACED IN AN APPROPRIATE SIZE PVC SLEEVE. COST FOR ALL WORK AND MATERIALS SHALL BE PAID UNDER ITEM 201000 - CLEARING AND GRUBBING.

- IN AREAS WHERE TREES OR SHRUBS WILL BE OVERHANGING THE PROPOSED SIDEWALK, PRUNING MAY BE NECESSARY TO ACHIEVE A VERTICAL CLEAR SPACE OF 10 FEET ABOVE THE PROPOSED SIDEWALK ELEVATION. THE CONTRACTOR SHALL PRUNE EXISTING TREE AND SHRUB BRANCHES, WHICH OVERHANG THE SIDEWALK, IN ACCORDANCE WITH I.S.A. STANDARDS. THE CONTRACTOR SHALL NOTIFY DELDOT'S ROADSIDE ENVIRONMENTALIST ADMINISTRATOR, EUGENE 'CHIP' ROSAN, JR. AT (302) 760-2185 AND/OR HIS DESIGNEE, AT LEAST TWO (2) DAYS PRIOR TO THE PRUNING OPERATION. ALL COSTS ASSOCIATED WITH THE ABOVE WORK TO BE PAID UNDER ITEM 201000 - CLEARING AND GRUBBING.

- THE ENGINEER MAY REQUIRE THE CONTRACTOR TO EXCAVATE TEST PITS ALONG PROPOSED DRAINAGE RUNS, AT POINTS OF POSSIBLE UTILITY CONFLICTS, TO DETERMINE IF A CONFLICT EXISTS. ANY CONFLICTS SHALL BE COORDINATED BY THE CONTRACTOR, WITH THE ENGINEER AND THE UTILITY COMPANY INVOLVED. THE ENGINEER SHALL ULTIMATELY DETERMINE THE SOLUTION TO THE UTILITY CONFLICT. TEST HOLES SHALL BE MEASURED AND PAID FOR IN ACCORDANCE WITH ITEM 202000 - EXCAVATION AND EMBANKMENT, BUT ONLY TO THE ACTUAL DEPTH EXCAVATED.

- 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 TEAM SUPPORT 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.

SECTION 700

- ALL HOT-MIX SAW CUTTING SHALL BE FULL DEPTH, UNLESS OTHERWISE NOTED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

- 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. PAYMENT FOR THIS WORK, INCLUDING SAW CUTTING 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 762002 - SAWCUTTING, CONCRETE, FULL DEPTH.

- THE CONTRACTOR SHALL DELIVER ALL MILLED MATERIAL TO THE DELAWARE DEPARTMENT OF TRANSPORTATION'S TALLEY MAINTENANCE YARD. THE MATERIAL SHALL BE NEATLY STOCKPILED AT THE YARD. COSTS FOR THIS WORK SHALL BE INCIDENTAL TO ITEM 760000 - PAVEMENT MILLING, HOT-MIX.
- 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.

MISCELLANEOUS

- THE CONTRACTOR SHALL FOLLOW ALL STATE AND LOCAL ORDINANCES CONCERNING CONSTRUCTION NOISE DURING THE DURATION OF THE CONSTRUCTION ACTIVITIES.

- THE CONTRACTOR SHALL CONTACT MICHAEL ELLER, THE CHIEF OF SCHEDULING FOR DART FIRST STATE, 14 DAYS PRIOR TO THE START OF CONSTRUCTION AT 302-576-6061.

- THERE ARE NO ENVIRONMENTAL PERMITS ASSOCIATED WITH THIS PROJECT. AS SUCH, AN ENVIRONMENTAL COMPLIANCE SHEET WAS NOT PREPARED.

- THE CONTRACTOR SHALL NOT BE PERMITTED TO WORK WITHIN 30 MINUTES OF SCHOOL START AND DISMISSAL WHILE SCHOOL IS IN SESSION. THE FOLLOWING TIME PERIODS CONSTITUTE A TYPICAL SCHOOL DAY:

MAPLE LANE ELEMENTARY: 8:35AM - 3:35PM
ELBERT-PALMER ELEMENTARY: 8:20AM - 3:00PM
ST. MARY MAGDALEN: 7:30AM - 2:45PM

- THE CONTRACTOR SHALL CONTACT AND GIVE NOTICE TO THE FACILITIES SUPERVISOR FOR EACH LOCATION AT LEAST 72 HOURS PRIOR TO THE START OF WORK.

CONTACTS ARE AS FOLLOWS:
MAPLE LANE ELEMENTARY: JOHN READ 792-3826
ELBERT PALMER ELEMENTARY: NICK VACIRCA 454-2400
ST. MARY MAGDALEN: BILL HAYES 652-6800

- THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF THE BICYCLE RACK WITH THE CHRISTINA SCHOOL DISTRICT FACILITIES MANAGER, NICK VACIRCA, 454-2400

- ALL WORK AT THE MAPLE LANE ELEMENTARY LOCATION MUST BE COMPLETED WHILE SCHOOL IS NOT IN SESSION.

SCHOOL SITE NOTES

CONSTRUCTION NOTES

- CURB RAMPS CONSTRUCTED ALONG NEW P.C.C. SIDEWALK SHALL BE MEASURED AND PAID FOR UNDER ITEM 705002 P.C.C. SIDEWALK, 6". ALL REQUIREMENTS OF SECTION 705 SHALL BE APPLICABLE. ALL CURB RAMPS INSTALLED ADJACENT TO EXISTING SIDEWALKS SHALL BE INSTALLED UNDERITEMS 705008, 705009, AND/OR 705010. TRUNCATED DOMES TO BE PAID UNDERITEM 705007 SIDEWALK SURFACE DETECTABLE WARNING SYSTEM REGARDLESS OF INSTALLATION LOCATION.
- THE CONTRACTOR SHALL COORDINATE ANY PROPOSED CONSTRUCTION ALONG AN ADJACENT PROPERTY OWNERS FRONTAGE AT LEAST TWO WEEKS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN VEHICULAR AND PEDESTRIAN ACCESS TO EACH PROPERTY AT ALL TIMES.
- ALL SIDEWALKS ARE TO BE CONSTRUCTED WITH A 1.5% CROSS-SLOPE (2% MAXIMUM) SLOPED TOWARDS THE EXISTING ROADWAY AND A 5% MAXIMUM LONGITUDINAL SLOPE. TAPER SIDEWALKS AS NEEDED TO MEET WIDTH OF EXISTING ADJACENT SIDEWALK.

EROSION AND SEDIMENT CONTROL NOTES

- THE CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL DEVICES AT EACH INLET LOCATED WITHIN 10' OF A PROPOSED EXCAVATION. INLET SEDIMENT DEVICES TO BE PAID UNDER ITEM 252002 - INLET SEDIMENT CONTROL, AT GRADE INLET.
- THE CONTRACTOR SHALL NOT PERFORM ANY WORK THAT CAN NOT BE PERMANENTLY STABILIZED AT THE END OF EACH WORKING DAY.

MOI NOTES

- PEDESTRIANS SHALL BE ACCOMMODATED AT ALL TIMES USING TA-28 AND/OR TA-29 OF THE DELAWARE MUTCD. COMPENSATION FOR ALL ITEMS UTILIZED IN THE CREATION OF TEMPORARY PEDESTRIAN CROSSINGS OR TEMPORARY DETOUR SHALL BE PAID UNDER ITEM 763643 - MAINTENANCE OF TRAFFIC, ALL INCLUSIVE. IF A VIABLE PEDESTRIAN DETOUR OR TEMPORARY CROSSING SCHEME IS UNAVAILABLE, THE CONTRACTOR SHALL UTILIZE FLAGGERS TO SAFELY LEAD PEDESTRIANS THROUGH THE WORK ZONE. AT THE END OF EACH WORK DAY A VIABLE ROUTE FOR PEDESTRIANS MUST BE AVAILABLE USING ACCEPTABLE MATERIALS. THE ALTERNATE PEDESTRIAN ROUTE MUST BE APPROVED BY THE NORTH DISTRICT SAFETY OFFICER.

- ACCEPTABLE MATERIALS FOR TEMPORARY PEDESTRIAN PATHS SHALL INCLUDE CONCRETE, HOT-MIX, COMPACTED MILLINGS OR PLYWOOD WALKWAY STRUCTURE. PLYWOOD WALKWAY STRUCTURES SHALL ALSO INCLUDE DETECTABLE EDGING AND RAILINGS IN ACCORDANCE WITH ADA GUIDELINES AND THE DELAWARE MUTCD. TEMPORARY PEDESTRIAN PATHS SHALL BE INCIDENTAL TO ITEM 763643 - MAINTENANCE OF TRAFFIC, ALL INCLUSIVE UNLESS OTHERWISE SPECIFIED IN THE PLANS. STONE OR GRADED AGGREGATE BASE COURSE SHALL NOT BE USED FOR TEMPORARY PEDESTRIAN PATHS.

- FOR RAMP, CURB AND SIDEWALK CONSTRUCTION WITHIN THE LIMITS OF THE SHOULDER, THE CONTRACTOR SHALL UTILIZE TA-3 OF THE DELAWARE MUTCD.

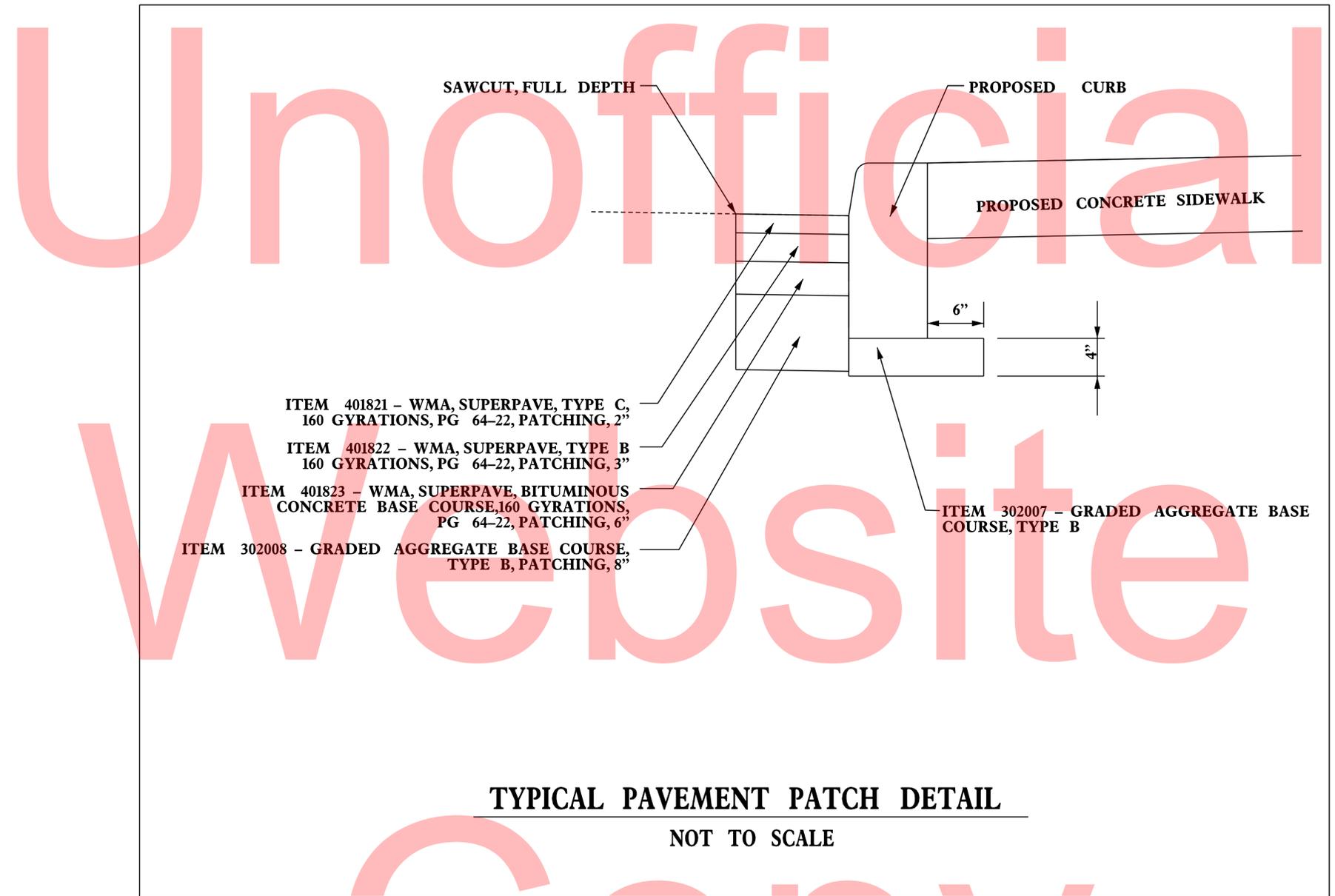
- THE CONTRACTOR SHALL NOT CLOSE ALL FOUR CORNERS OF AN INDIVIDUAL INTERSECTION FROM PEDESTRIAN TRAFFIC AT ANY POINT DURING CONSTRUCTION. THREE CORNERS CAN BE CLOSED SIMULTANEOUSLY FOR CONSTRUCTION ACTIVITIES LIMITED TO ONE DAY IF APPROVED BY THE ENGINEER.

- THE CONTRACTOR SHALL USE TA-18 OF THE DELAWARE MUTCD AS NECESSARY FOR WORK ALONG MIBLOCKS. AT INTERSECTIONS THE CONTRACTOR SHALL UTILIZE TA-27 OF THE DELAWARE MUTCD FOR WORK WITHIN AN INTERSECTION.

- PRIOR TO THE INITIATION OF ANY MAINTENANCE OF TRAFFIC SCHEME, THE CONTRACTOR SHALL COORDINATE WITH ANY ADJACENT CONTRACTORS TO ENSURE COHESION BETWEEN MAINTENANCE OF TRAFFIC SCHEMES.

The field survey and right-of-way verification for Contract Number T201469001 were completed by McCormick Taylor, Inc.

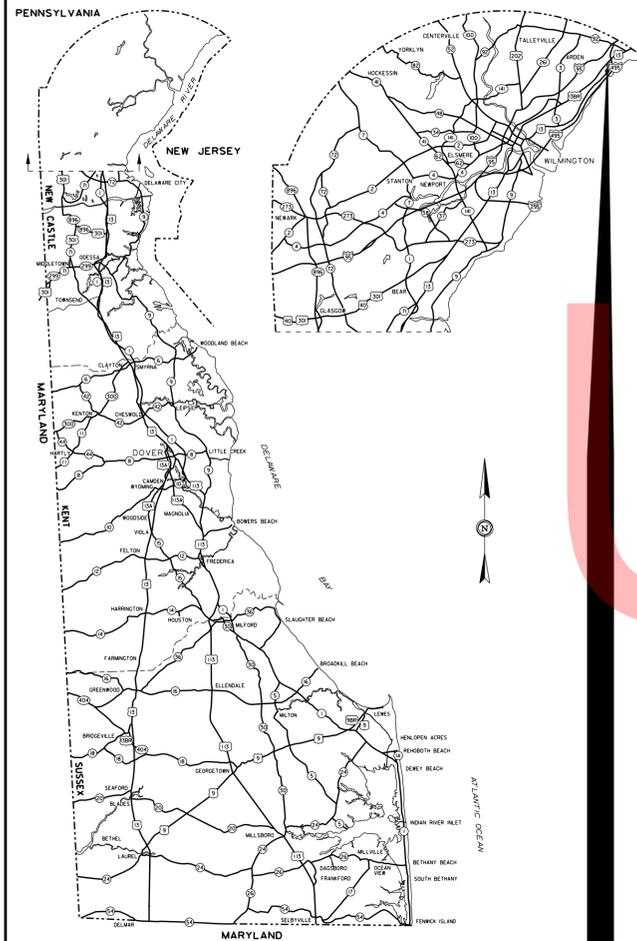
The City of Wilmington Planimetrics is referenced on Sheet 12 and Sheet 14.



TYPICAL PAVEMENT PATCH DETAIL

NOT TO SCALE

ADDENDUMS / REVISIONS



GENERAL LOCATION OF CONTRACT

**THE STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION**



CONSTRUCTION PLANS FOR:

MAPLE LANE ELEMENTARY SCHOOL

CONTRACT NUMBER: T201469001
FEDERAL AID PROJECT NUMBER: ESTP-2013(24)

COUNTY: NEW CASTLE M.R. #: N / A (MAPLE ROAD)

U.S. CUSTOMARY
UNITS

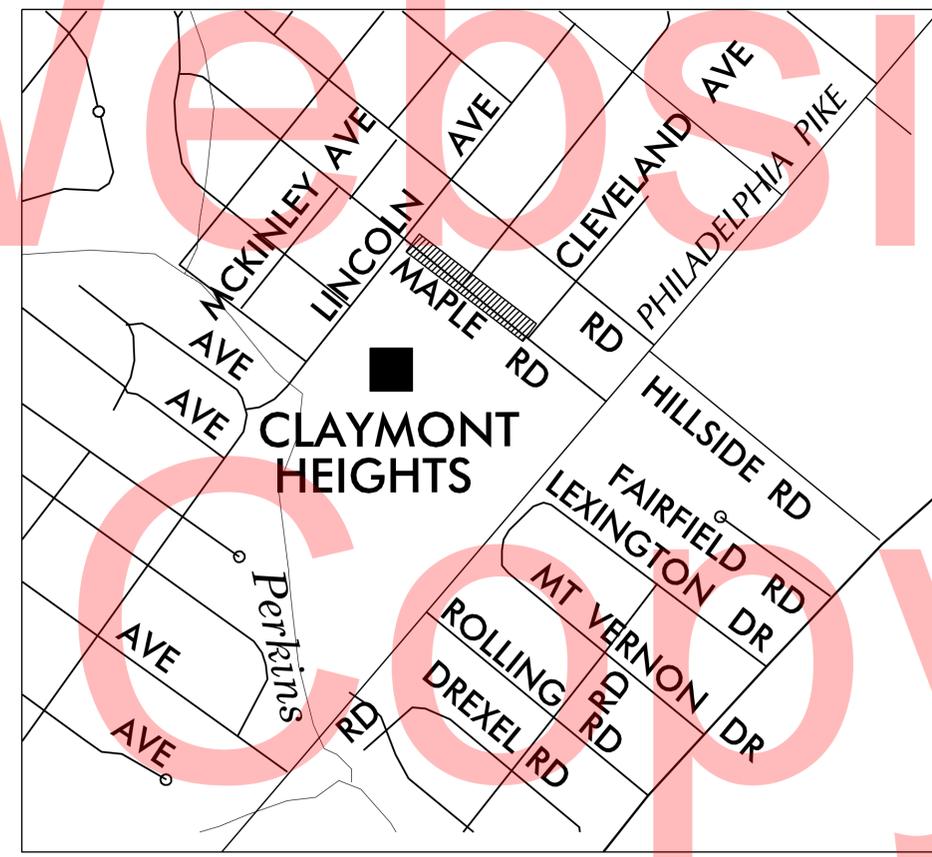
FINAL PLANS

DESIGN DESIGNATION

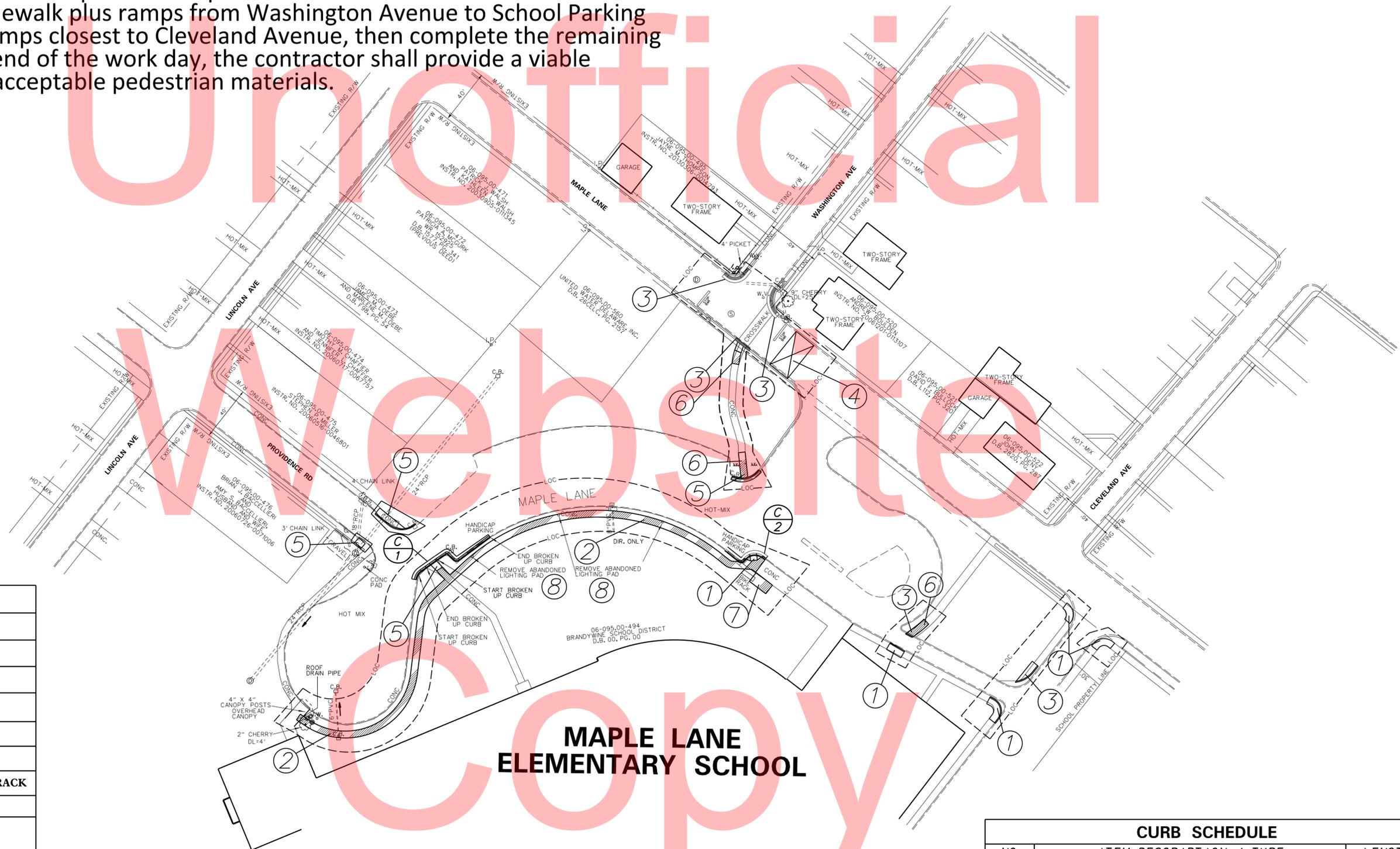
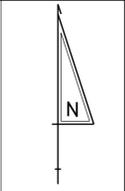
FUNCTIONAL CLASS: NOT APPLICABLE	D.H.V. PROJECTED: NA	YEAR: NA
TYPE OF CONSTRUCTION: SRTS IMPROVEMENTS	DESIGN SPEED: NA	M.P.H.
A.A.D.T. CURRENT: NA	YEAR: NA	TRUCKS: NA
A.A.D.T. PROJECTED: NA	YEAR: NA	DIRECTION OF DISTRIBUTION: NA

INDEX OF SHEETS

SHEET NO	TABLE OF CONTENTS
5	TITLE - MAPLE LANE ELEMENTARY SCHOOL
6	CONSTRUCTION PLANS - MAPLE LANE ELEMENTARY SCHOOL
7-8	CONSTRUCTION DETAILS - MAPLE LANE ELEMENTARY SCHOOL
9	SIGNING AND STRIPING PLANS - MAPLE LANE ELEMENTARY SCHOOL
10	SIGN SCHEDULE - MAPLE LANE ELEMENTARY SCHOOL

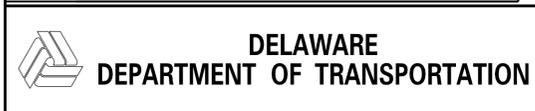


All Limits of Construction are within State ROW or within Brandywine School District property
 Implement MUTCD Case TA-10
 Lane closures on Maple Lane are for pedestrian movements, flaggers to provide pedestrian movement.
 Construction Phasing - Complete the improvements on the western side of Washington Ave first, then complete the improvements on the eastern side of Washington Ave and sidewalk plus ramps from Washington Avenue to School Parking Lot, then Maple Lane ramps closest to Cleveland Avenue, then complete the remaining improvements. At the end of the work day, the contractor shall provide a viable pedestrian route using acceptable pedestrian materials.

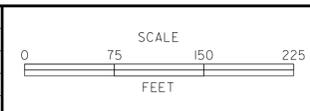


LEGEND	
①	NEW CURBRAMP, Type 3
②	NEW SIDEWALK
③	NEW CURBRAMP, Type 1
④	NEW SPEED BUMP
⑤	IMPROVE CURBRAMP, Type 1
⑥	REPLACEMENT SIDEWALK
⑦	INSTALL CONCRETE PAD FOR BIKE RACK
⑧	REMOVE ABANDONED LIGHTING PAD
CURB	
CONCRETE SIDEWALK	
Limit of Construction (LOC)	

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
1	PCC Curb & Gutter, Type 1-8	45 ft
2	PCC Curb & Gutter, Type 1-8	15 ft



ADDENDUMS / REVISIONS

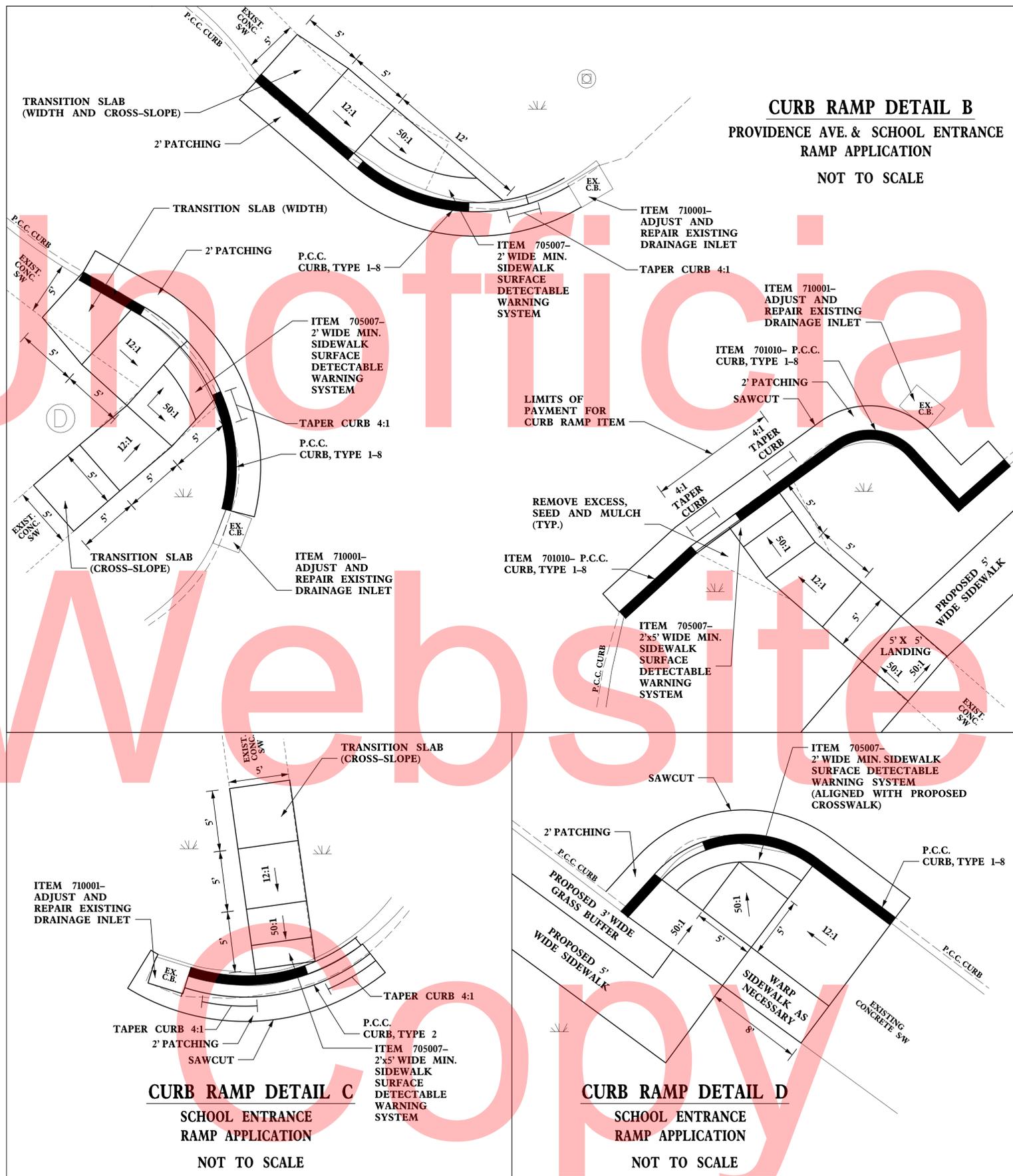


**SAFE ROUTES TO SCHOOL,
 MAPLE LANE, ELBERT-PALMER,
 AND ST. MARY MAGDALEN SCHOOLS**

CONTRACT T201469001	BRIDGE NO. NA
COUNTY NEW CASTLE	DESIGNED BY:
	CHECKED BY:

**MAPLE LANE ELEMENTARY
 CONSTRUCTION PLANS**

SHEET NO. 6
TOTAL SHTS. 21



CURB RAMP DETAIL B
 PROVIDENCE AVE. & SCHOOL ENTRANCE
 RAMP APPLICATION
 NOT TO SCALE

CURB RAMP DETAIL C
 SCHOOL ENTRANCE
 RAMP APPLICATION
 NOT TO SCALE

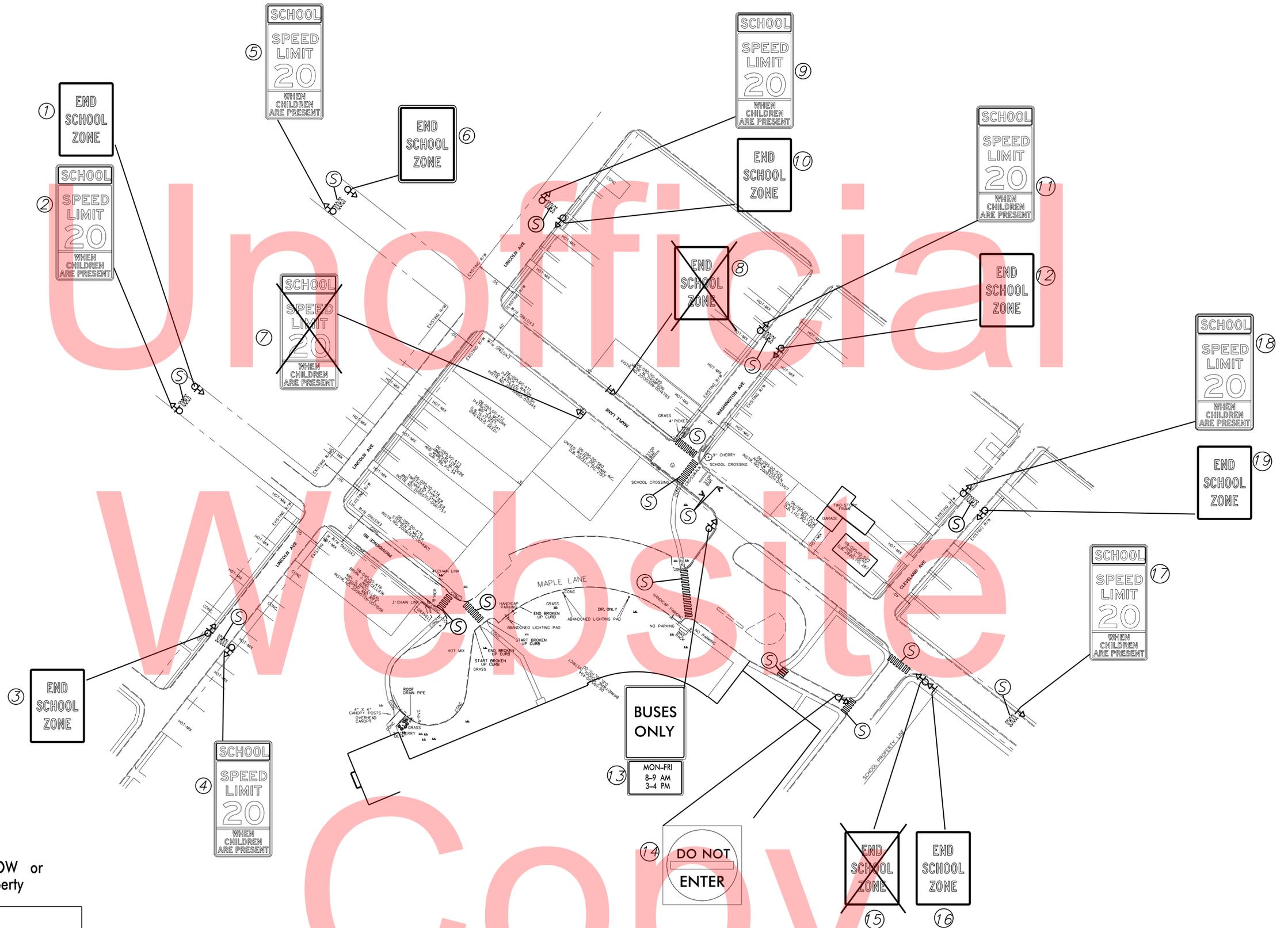
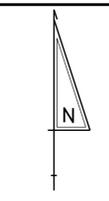
CURB RAMP DETAIL D
 SCHOOL ENTRANCE
 RAMP APPLICATION
 NOT TO SCALE

NOTE: ALL CURB RAMPS TO BE CONSTRUCTED WITH A 2% MAXIMUM CROSS-SLOPE.

ADDENDUMS / REVISIONS

CONTRACT	BRIDGE NO.	NA
T201469001	DESIGNED BY:	
COUNTY	CHECKED BY:	
NEW CASTLE		

SHEET NO.	8
TOTAL SHTS.	21



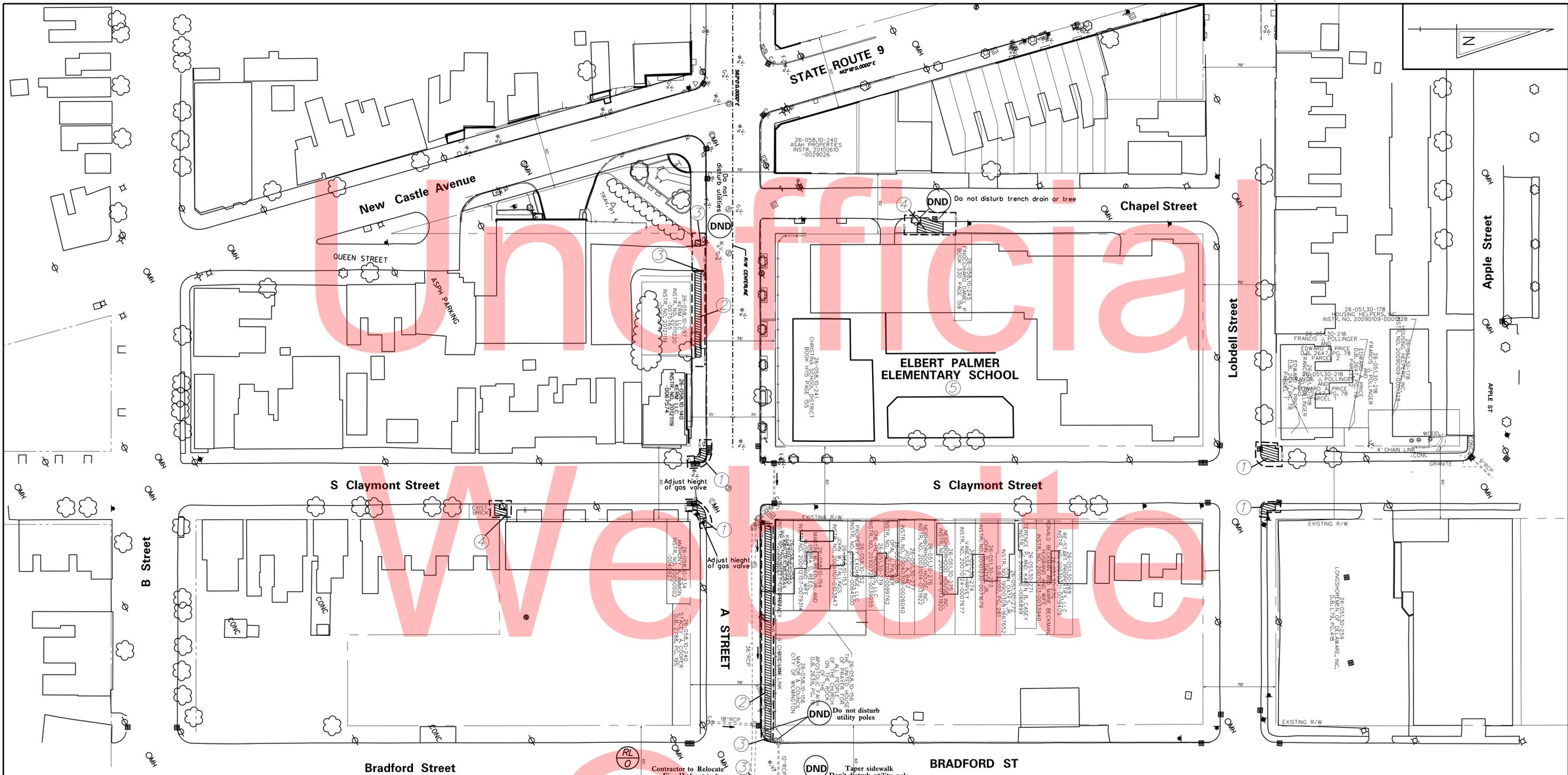
All signs are within the existing State ROW or within Brandywine School District Property

LEGEND	
Ⓢ	PLACE NEW PAVEMENT MARKING
Ⓢ	SIGN POST

PERMANENT SIGN SCHEDULE

SHEET NO.	NO.	CODE	DESCRIPTION	ASSEMBLY NO.	SIGN HEIGHT (IN)	SIGN WIDTH (IN)	SIGN AREA (SF)	SIGN DISPOSITION	ITEM 749687 SINGLE POST EACH		ITEM 749690 MULTI-POST (SF)		POST INSTALLATION TYPE	CODE X11 12" POST W/ BASEPOST (EACH)	ITEM 749688 4" HOLE, 0-6" (EACH)	ITEM 749689 4" HOLE, >6" (EACH)	REMARKS
									REMOVE	INSTALL	REMOVE	INSTALL					
9	1	S5-2(24)	End School Zone 24x30		24"	30"	5	NEW		1			SOIL	1	0	0	
9	2	S5-1-DE(24)	School Speed Limit 20 mph when Children are present - 24x54		24"	54"	9	NEW		1			SOIL	1	0	0	20 MPH
9	3	S5-2(24)	End School Zone 24x30		24"	30"	5	NEW		1			SOIL	1	0	0	
9	4	S5-1-DE(24)	School Speed Limit 20 mph when Children are present - 24x54		24"	54"	9	NEW		1			SOIL	1	0	0	20 MPH
9	5	S5-1-DE(24)	School Speed Limit 20 mph when Children are present - 24x54		24"	54"	9	NEW		1			SOIL	1	0	0	20 MPH
9	6	S5-2(24)	End School Zone 24x30		24"	30"	5	NEW		1			SOIL	1	0	0	
9	7	S5-1-DE(24)	School Speed Limit 20 mph when Children are present - 24x54		24"	54"		REMOVE	1				SOIL	0	0	0	
9	8	S5-2(24)	End School Zone 24x30		24"	30"		REMOVE	1				SOIL	0	0	0	
9	9	S5-1-DE(24)	School Speed Limit 20 mph when Children are present - 24x54		24"	54"	9	NEW		1			SOIL	1	0	0	
9	10	S5-2(24)	End School Zone 24x30		24"	30"	5	NEW		1			SOIL	1	0	0	
9	11	S5-1-DE(24)	School Speed Limit 20 mph when Children are present - 24x54		24"	54"	9	NEW		1			SOIL	1	0	0	
9	12	S5-2(24)	End School Zone 24x30		24"	30"	5	NEW		1			SOIL	1	0	0	
9	13	R5-11	Authorized Vehicles Only		30"	24"	5	RENEW	1	1				0	0	0	
9	13	S4-1P(24)	8 to 9 AM, 3 to 4 PM - 24x10		24"	10"	1.67	RENEW	1	1				0	0	0	BUSES ONLY
9	14	R5-1(36)	Do Not Enter 36x36		36"	36"	9	RENEW	1	1				0	0	0	
9	15	S5-2(24)	End School Zone 24x30		24"	30"		REPOSITION	1				SOIL	0	0	0	
9	16	S5-2(24)	End School Zone 24x30		24"	30"		REPOSITION		1			SOIL	1	0	0	
9	17	S5-1-DE(24)	School Speed Limit 20 mph when Children are present - 24x54		24"	54"		REMAIN						0	0	0	20 MPH
9	18	S5-1-DE(24)	School Speed Limit 20 mph when Children are present - 24x54		24"	54"	9	NEW		1			SOIL	1	0	0	
9	19	S5-2(24)	End School Zone 24x30		24"	30"	5	NEW		1			SOIL	1	0	0	

Official
Website
Copy

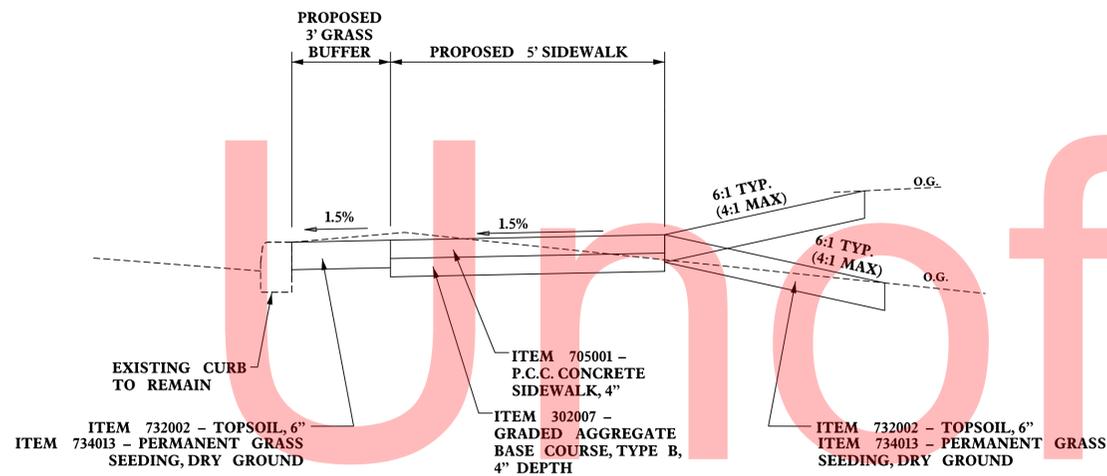


LEGEND

①	IMPROVE CURB RAMP, TYPE 3
②	NEW SIDEWALK
③	NEW CURB RAMP, TYPE 1
④	REPAIR SIDEWALK
⑤	INSTALL BIKE RACK
---	Limit of Construction (LOC)

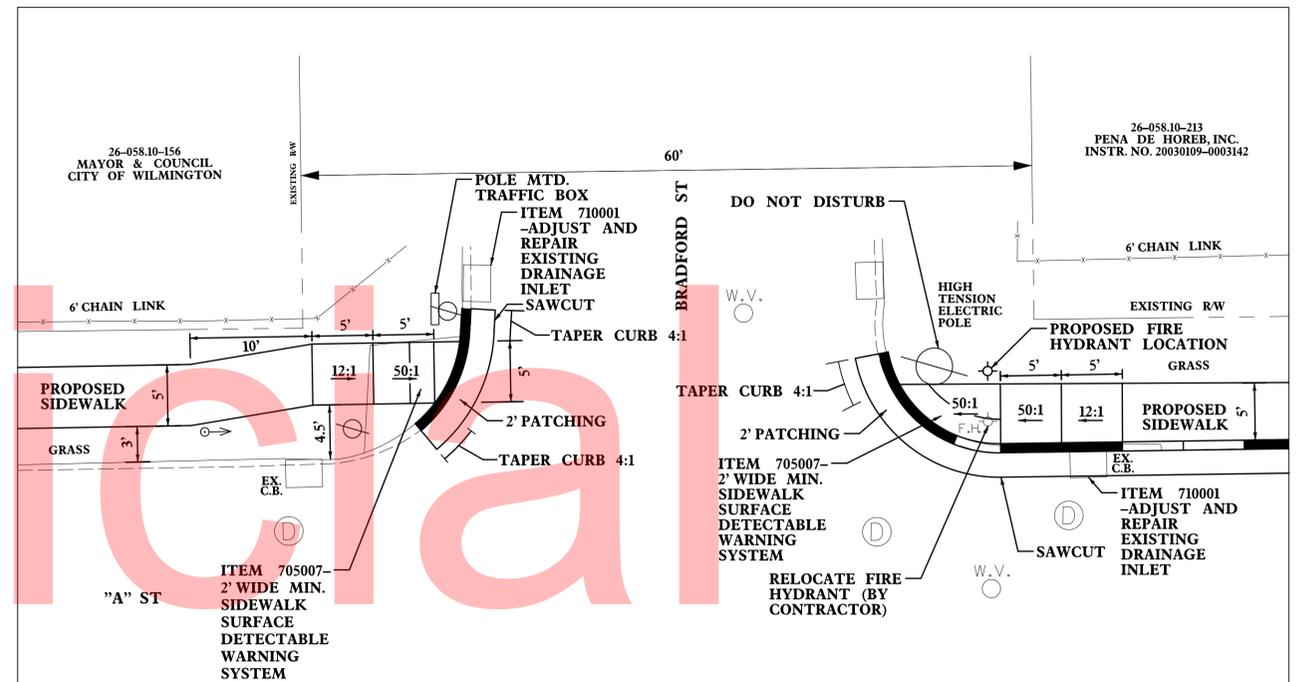
All limits of construction are within existing State ROW

All Limits of Construction are within City of Wilmington ROW or within Christina School District Property
 Implement MUTCD Case TA-29 for southeast corner of South Claymont Street and A Street.
 Implement MUTCD Case TA-28 for all other areas.
 Construction Phasing - Complete the improvements along the northern portion of A Street first, then complete the improvements at the southeast corner of South Claymont Street and A Street, then ramps at South Claymont and Lobdell Street, then complete the improvements on the southern side of A Street. At the end of the work day, the contractor shall provide a viable pedestrian route using acceptable pedestrian materials.



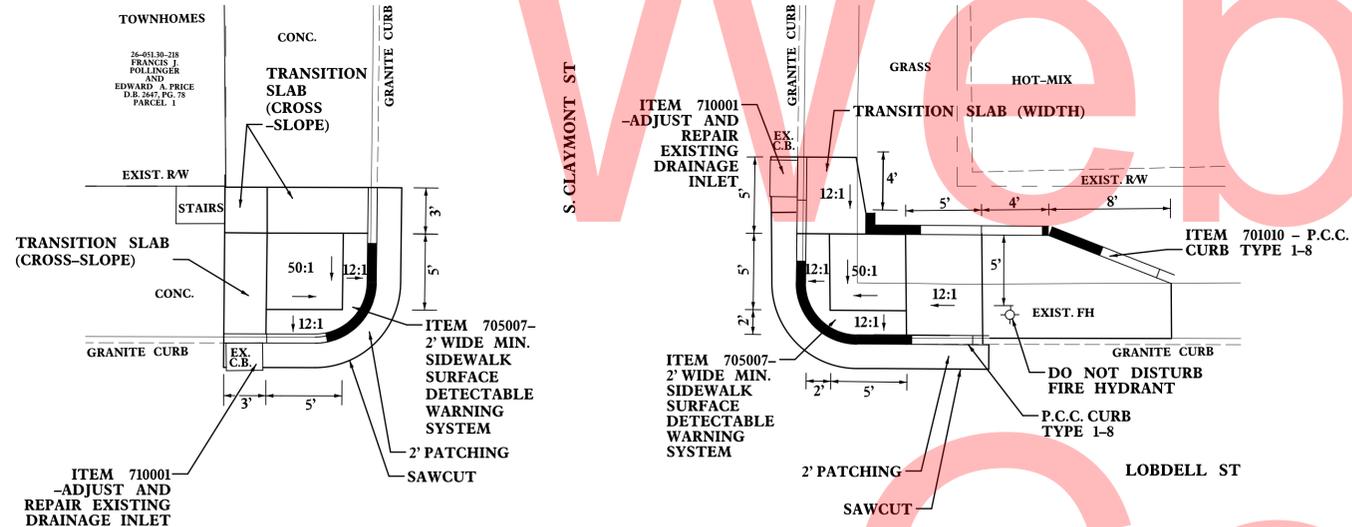
TYPICAL SIDEWALK DETAIL E

- "A" ST. BETWEEN S. CLAYMONT ST. AND BRADFORD ST.
 - "A" ST. BETWEEN NEW CASTLE AVE. AND S. CLAYMONT ST.
 NOT TO SCALE



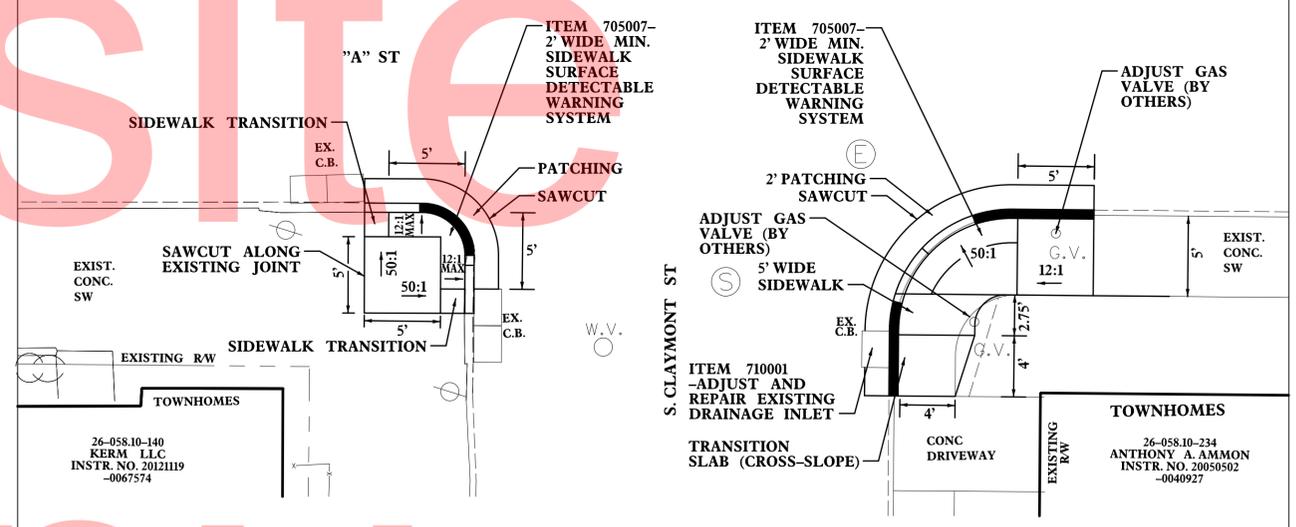
CURB RAMP DETAIL F

BRADFORD ST. & "A" STREET
 RAMP APPLICATION
 NOT TO SCALE



CURB RAMP DETAIL G

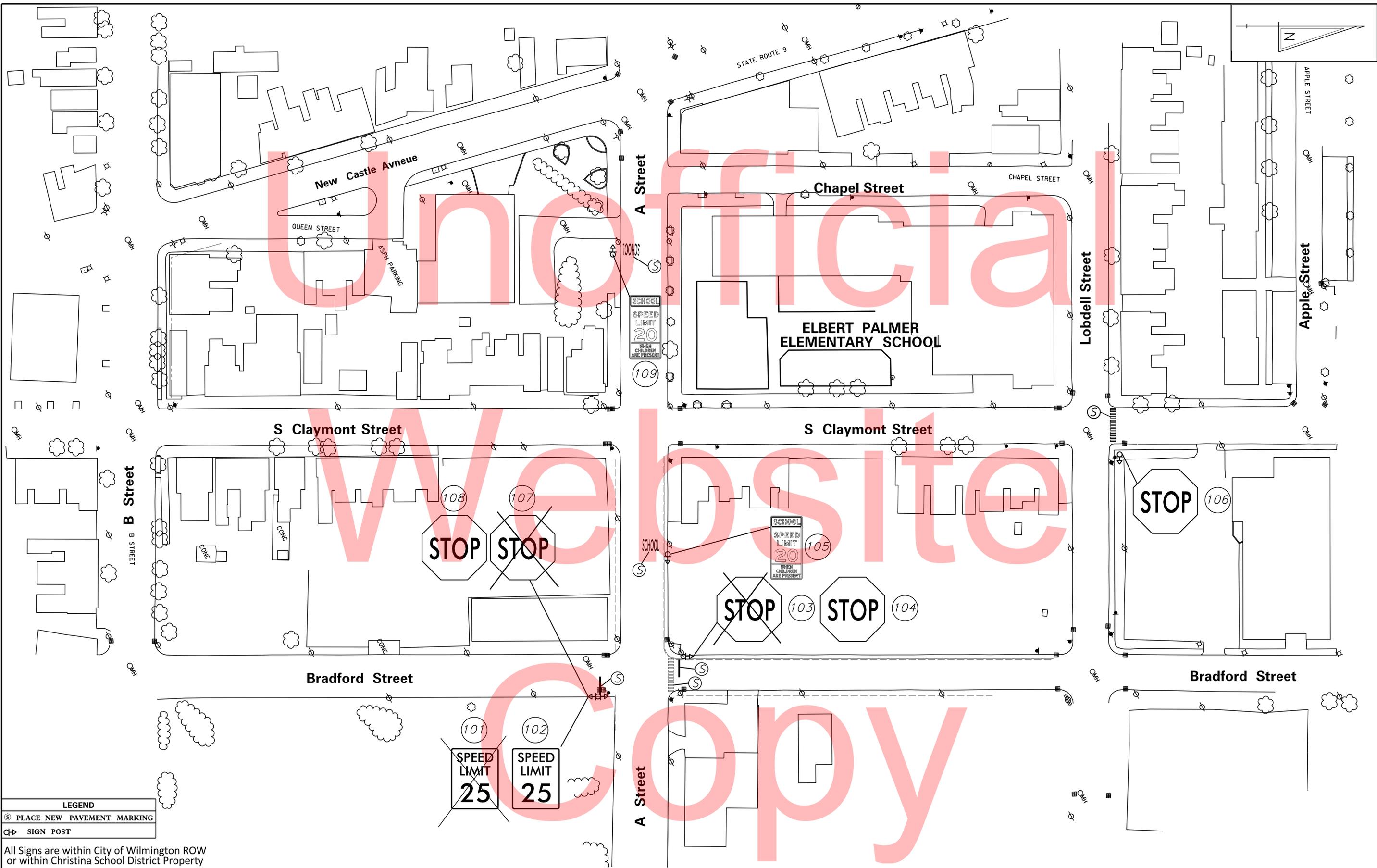
S. CLAYMONT ST. & LOBDELL ST.
 RAMP APPLICATION
 NOT TO SCALE



CURB RAMP DETAIL H

S. CLAYMONT ST. & "A" STREET
 RAMP APPLICATION
 NOT TO SCALE

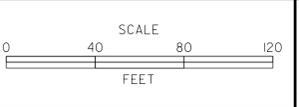
NOTE: ALL CURB RAMPS TO BE CONSTRUCTED WITH A 2% MAXIMUM CROSS-SLOPE.



LEGEND	
	PLACE NEW PAVEMENT MARKING
	SIGN POST

All Signs are within City of Wilmington ROW or within Christina School District Property

ADDENDUMS / REVISIONS



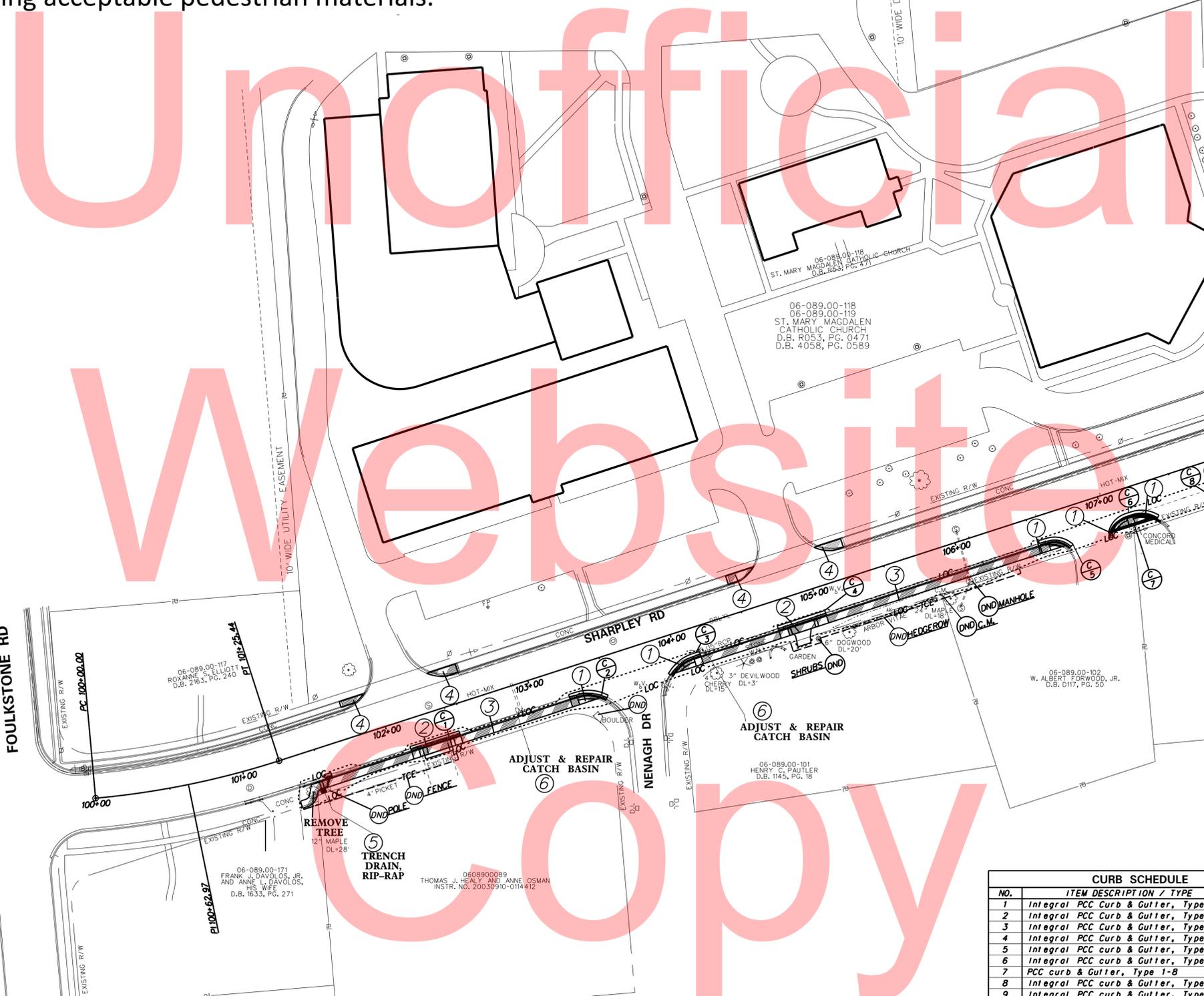
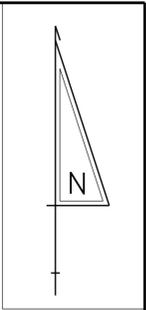
CONTRACT	BRIDGE NO.	NA
T201469001	DESIGNED BY:	
COUNTY	CHECKED BY:	
NEW CASTLE		

PERMANENT SIGN SCHEDULE

SHEET NO.	NO.	CODE	DESCRIPTION	ASSEMBLY NO.	SIGN HEIGHT (IN)	SIGN WIDTH (IN)	SIGN AREA (SF)	SIGN DISPOSITION	ITEM 749687 SINGLE POST EACH		ITEM 749690 MULTI-POST (SF)		POST INSTALLATION TYPE	CODE X11 12' POST W/ BASEPOST (EACH)	ITEM 749688 4" HOLE, 0-6" (EACH)	ITEM 749689 4" HOLE, >6" (EACH)	REMARKS
									REMOVE	INSTALL	REMOVE	INSTALL					
14	101	R2-1-25(24)	Speed Limit 25 mph - 24x30		24"	30"		REMOVE	1					0	0	0	25 MPH
14	102	R2-1-25(24)	Speed Limit 25 mph - 24x30		24"	30"	5	NEW		1				1	0	0	25 MPH
14	103	R1-1(30)	Stop		30"	30"		REMOVE	1					0	0	0	
14	104	R1-1(30)	Stop		30"	30"	6.25	NEW			1			1	0	0	
14	105	S5-1-DE(24)	School Speed Limit 20 mph when Children are present - 24x54		24"	54"		EXISTING TO REMAIN						0	0	0	20 MPH
14	106	R1-1(30)	Stop		30"	30"		REPOSITION	1	1				1	0	0	
14	107	R1-1(30)	Stop		30"	30"		REMOVE	1					0	0	0	
14	108	R1-1(30)	Stop		30"	30"	6.25	NEW			1			1	0	0	
14	109	S5-1-DE(24)	School Speed Limit 20 mph when Children are present - 24x54		24"	54"		EXISTING TO REMAIN						0	0	0	20 MPH

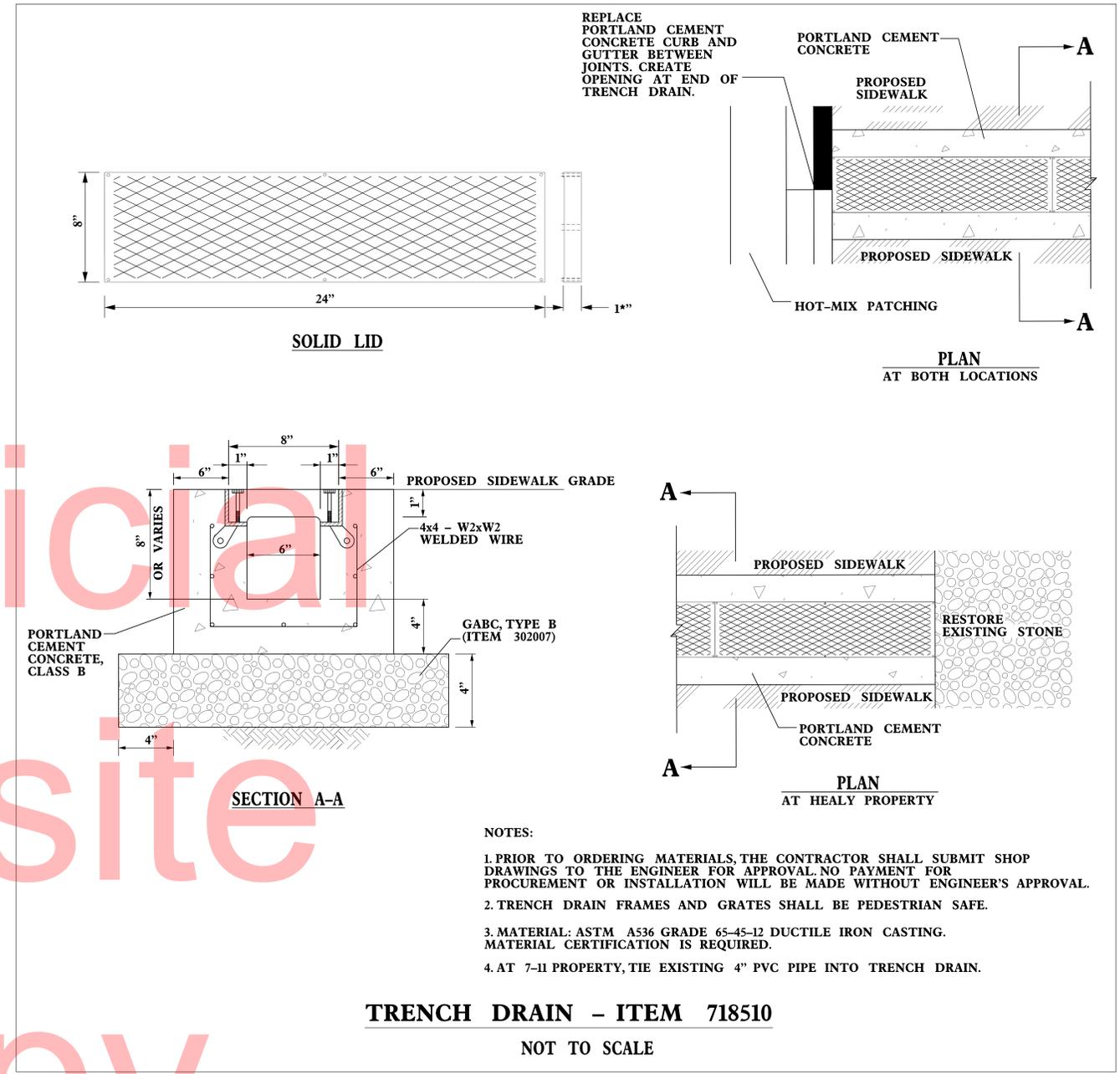
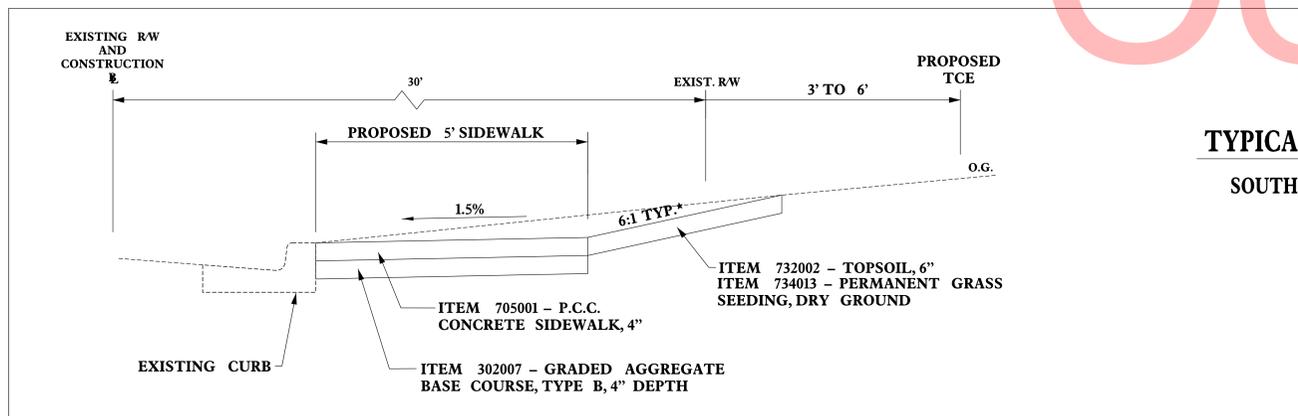
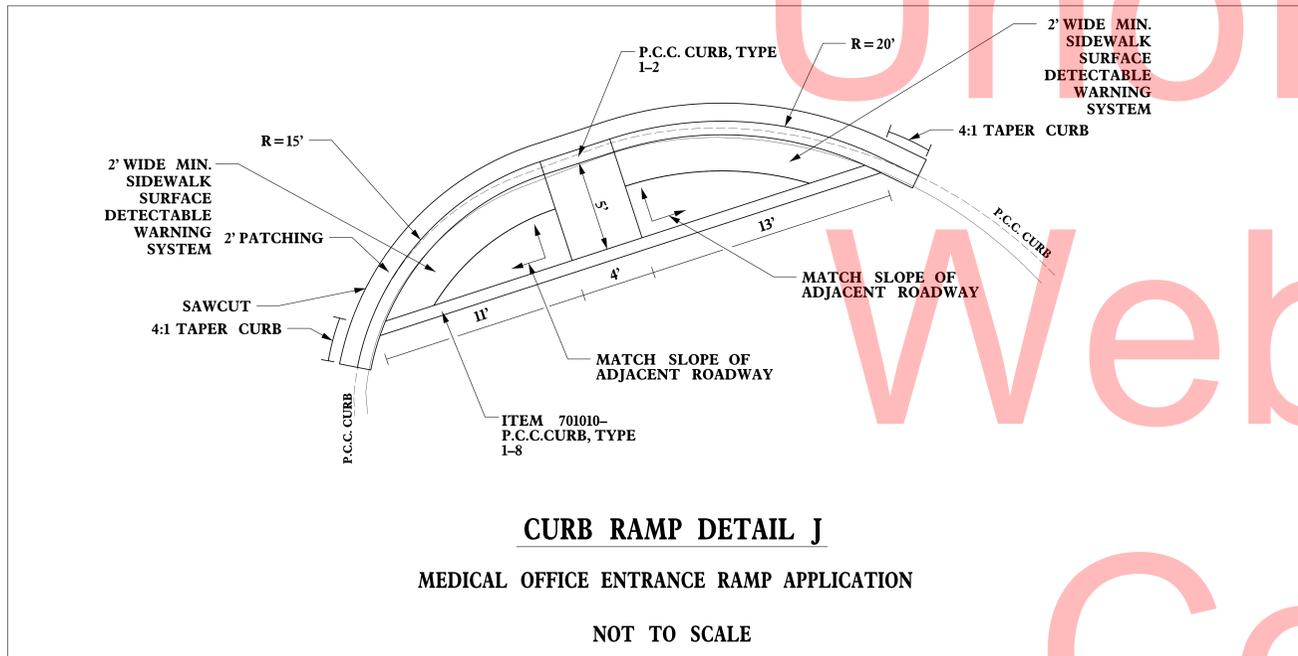
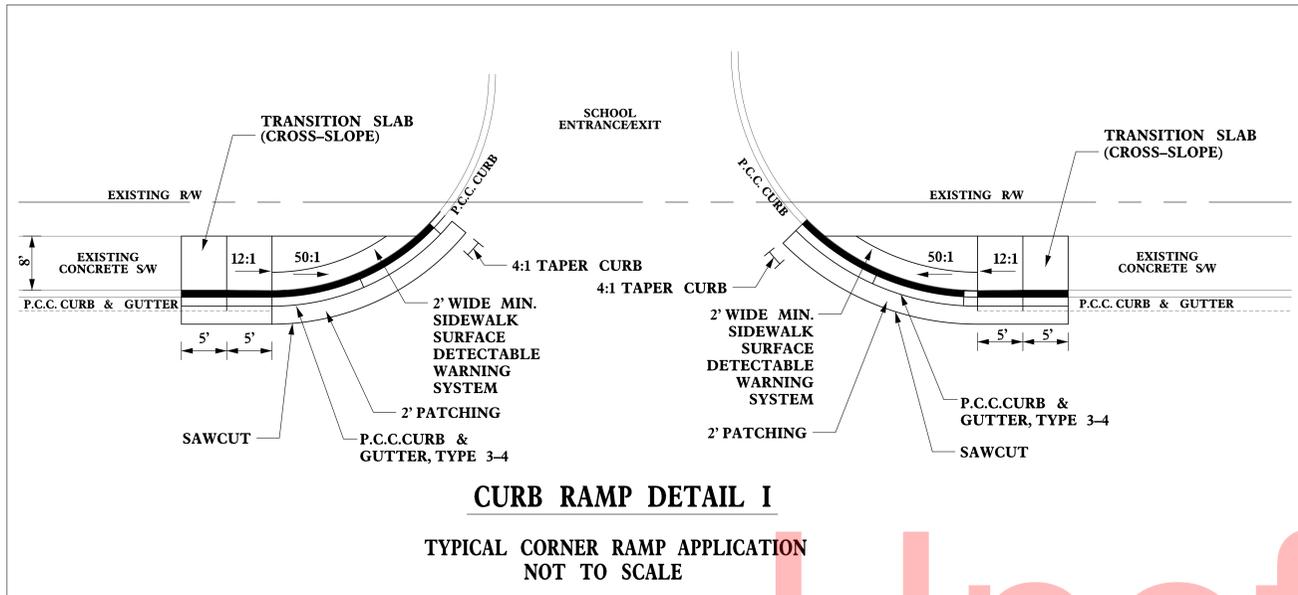
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Website
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Implement MUTCD Case TA-3.
 Construction Phasing complete the improvements on the eastbound side of Sharpley Road first, then complete the improvements on the westbound side of Sharpley Road.
 At the end of the work day, the contractor shall provide a viable pedestrian route using acceptable pedestrian materials.

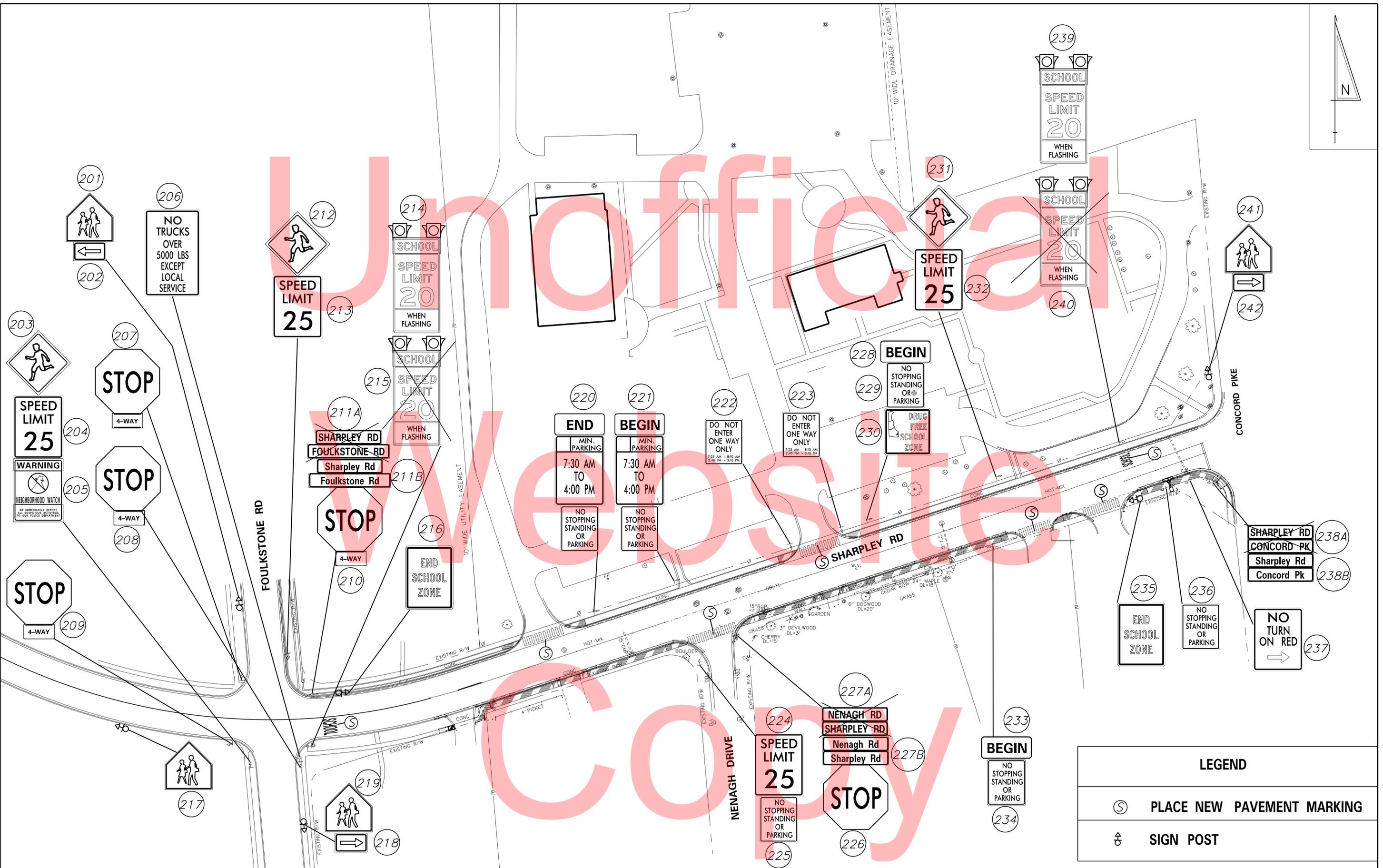
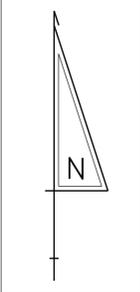


LEGEND	
①	NEW CURBRAMP, TYPE I
②	NEW SIDEWALK OVER DRIVE, 6"
③	NEW SIDEWALK, 4"
④	IMPROVE CURBRAMP, TYPE I
⑤	TRENCH DRAIN RIP-RAP
⑥	ADJUST REPAIR CATCH BASIN
[Symbol]	UPDATED CURB RAMP
[Symbol]	PROPOSED DRAINAGE TRENCH
[Symbol]	PROPOSED RIP-RAP
[Symbol]	PROPOSED SIDEWALK

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
1	Integral PCC Curb & Gutter, Type 3-6	35 ft
2	Integral PCC Curb & Gutter, Type 3-6	28 ft
3	Integral PCC Curb & Gutter, Type 3-6	28 ft
4	Integral PCC Curb & Gutter, Type 3-6	35 ft
5	Integral PCC curb & Gutter, Type 1-8	25 ft
6	Integral PCC curb & Gutter, Type 1-8	42 ft
7	PCC curb & Gutter, Type 1-8	30 ft
8	Integral PCC curb & Gutter, Type 1-8	28 ft
9	Integral PCC curb & Gutter, Type 3-6	6 ft



NOTE: ALL CURB RAMPS TO BE CONSTRUCTED WITH A 2% MAXIMUM CROSS-SLOPE.



LEGEND	
Ⓢ	PLACE NEW PAVEMENT MARKING
Ⓜ	SIGN POST

PERMANENT SIGN SCHEDULE

SHEET NO.	NO.	CODE	DESCRIPTION	ASSEMBLY NO.	SIGN HEIGHT (IN)	SIGN WIDTH (IN)	SIGN AREA (SF)	SIGN DISPOSITION	ITEM 749687 SINGLE POST EACH		ITEM 749690 MULTI-POST (SF)		POST INSTALLATION TYPE	CODE X11 12" POST W/ BASEPOST (EACH)	ITEM 749688 4" HOLE, 0-6" (EACH)	ITEM 749689 4" HOLE, >6" (EACH)	REMARKS
									REMOVE	INSTALL	REMOVE	INSTALL					
19	201	S1-1(30)	School Sign (Symbol) - 30x30		30"	30"	6.25	RENEW	1	1							
19	202	W16-5P	Supplemental Arrow (plaque)		24"	18"	3	RENEW	1	1							LEFT ARROW
19	203	W21-11-DE	Watch Children (Symbol)		30"	30"	6.25	RENEW	1	1							
19	204	R2-1-25(24)	Speed Limit 25 MPH - 24x30		24"	30"	5	RENEW	1	1							
19	205	NA	Neighborhood Watch					EXISTING TO REMAIN									
19	206	NA	No Trucks over 5000 lbs, except local service					EXISTING TO REMAIN									
19	207	R1-1(30)	Stop		30"	30"		EXISTING TO REMAIN									4-WAY
19	208	R1-1(30)	Stop		30"	30"		EXISTING TO REMAIN									4-WAY
19	209	R1-1(30)	Stop		30"	30"		EXISTING TO REMAIN									4-WAY
19	210	R1-1(30)	Stop		30"	30"		EXISTING TO REMAIN									4-WAY
19	211A	D3-1(48)	Street Name (SHARPLEY RD, FOULKSTONE RD)		48"	8"		REMOVE	2								
19	211B	D3-1(42)	Street Name (Sharpley Rd)		42"	8"	2.33	NEW		1		SOIL	1				
19	211B	D3-1(42)	Street Name (Sharpley Rd)		42"	8"	2.33	NEW		1							
19	211B	D3-1(48)	Street Name (Faulkstone Rd)		48"	8"	2.67	NEW		1		SOIL	1				
19	211B	D3-1(48)	Street Name (Faulkstone Rd)		48"	8"	2.67	NEW		1							
19	212	W21-11-DE	Watch Children (Symbol)		30"	30"	6.25	RENEW	1	1							
19	213	R2-1-25(24)	Speed Limit 25 MPH - 24x30		24"	30"	5	RENEW	1	1							
19	214	S5-1(24)	School Speed Limit 20 mph when Flashing - 24x48		24"	48"	8	NEW		1		SOIL	1				GREEN COLOR, 20 MPH
19	215	S5-1(24)	School Speed Limit 20 mph when Flashing - 24x48		24"	48"		REMOVE	1								YELLOW COLOR, 20 MPH
19	216	S5-2(24)	End School Zone 24x30		24"	30"	5	NEW		1		SOIL	1				
19	217	S1-1(30)	School Sign (Symbol) - 30x30		30"	30"	6.25	NEW		1		SOIL	1				
19	218	W16-5P	Supplemental Arrow (plaque)		24"	18"	3	NEW		1							RIGHT ARROW
19	219	S1-1(30)	School Sign (Symbol) - 30x30		30"	30"	6.25	NEW		1		SOIL	1				
19	220	R7-4-DE(18)	No Stopping, Standing, or Parking - 18x24		18"	24"		EXISTING TO REMAIN									ENTIRE SIGN POST TO REMAIN
19	221	R7-4-DE(18)	No Stopping, Standing, or Parking - 18x24		18"	24"		EXISTING TO REMAIN									ENTIRE SIGN POST TO REMAIN
19	222	NA	Do Not Enter, One Way Only					EXISTING TO REMAIN									ENTIRE SIGN POST TO REMAIN
19	223	NA	Do Not Enter, One way Only					EXISTING TO REMAIN									ENTIRE SIGN POST TO REMAIN
19	224	R2-1-25(24)	Speed Limit 25 MPH - 24x30		24"	30"		EXISTING TO REMAIN									
19	225	R7-4-DE(18)	No Stopping, Standing, or Parking - 18x24		18"	24"		EXISTING TO REMAIN									
19	226	R1-1(30)	Stop		30"	30"		EXISTING TO REMAIN									
19	227A	D3-1(42)	Street Name (NENAGH RD, SHARPLEY RD)		42"	8"		REMOVE	2								
19	227B	D3-1(36)	Street Name (Nenagh Rd)		36"	8"	2	NEW		1		SOIL	1				
19	227B	D3-1(36)	Street Name (Nenagh Rd)		36"	8"	2	NEW		1							
19	227B	D3-1(42)	Street Name (Sharpley Rd)		42"	8"	2.33	NEW		1		SOIL	1				
19	227B	D3-1(42)	Street Name (Sharpley Rd)		42"	8"	2.33	NEW		1							
19	228	R3-9cP	Begin (plaque)		30"			EXISTING TO REMAIN									
19	229	R7-4-DE(18)	No Stopping, Standing, or Parking - 18x24		18"	24"		EXISTING TO REMAIN									
19	230	NA	Drug Free School Zone					EXISTING TO REMAIN									
19	231	W21-11-DE	Watch Children (Symbol)		30"	30"	6.25	RENEW	1	1							
19	232	R2-1-25(24)	Speed Limit 25 MPH - 24x30		24"	30"	5	RENEW	1	1							
19	233	R3-9cP	Begin (plaque)		30"			EXISTING TO REMAIN									
19	234	R7-4-DE(18)	No Stopping, Standing, or Parking - 18x24		18"	24"		EXISTING TO REMAIN									
19	235	S5-2(24)	End School Zone 24x30		24"	30"	5	NEW		1		SOIL	1				
19	236	R7-4-DE(18)	No Stopping, Standing, or Parking - 18x24		18"	24"		REPOSITION	1	1							
19	237	R10-11-DE(24)	No Turn on Red Arrow - 24x30		24"	30"		REPOSITION	1	1							
19	238A	D3-1(42)	Street Name (SHARPLEY RD, CONCORD PK)		42"	8"		REMOVE	2								
19	238B	D3-1(42)	Street Name (Sharpley Rd)		42"	8"	2.33	NEW		1		SOIL	1				
19	238B	D3-1(42)	Street Name (Sharpley Rd)		42"	8"	2.33	NEW		1							
19	238B	D3-1(36)	Street Name (Concord Pk)		36"	8"	2	NEW		1		SOIL	1				
19	238B	D3-1(36)	Street Name (Concord Pk)		36"	8"	2	NEW		1							
19	239	S5-1(24)	School Speed Limit 20 mph when Flashing - 24x48		24"	48"	8	NEW		1		SOIL	1				GREEN COLOR, 20 MPH
19	240	S5-1(24)	School Speed Limit 20 mph when Flashing - 24x48		24"	48"		REMOVE	1								YELLOW COLOR, 20 MPH
19	241	S1-1(30)	School Sign (Symbol) - 30x30		30"	30"	6.25	RENEW	1	1							
19	242	W16-5P	Supplemental Arrow (plaque)		24"	18"	3	RENEW	1	1							RIGHT ARROW

ASSESSMENT NUMBER	OWNERSHIP OF RECORD	TYPE OF ACQUISITION	TITLE SOURCE	PARCEL AREA (ACRES)	ASSESSMENT NUMBER	OWNERSHIP OF RECORD	TYPE OF ACQUISITION	TITLE SOURCE	PARCEL AREA (ACRES)
06-089.00-171	(1-R) FRANK J. AND ANNE L. DAVOLOS	P/E	D.B. 1633, PG. 271	0.460	06-089.00-101	(3-R) HENRY C. PAUTLER	TCE	D.B. 1145, PG. 18	0.450

PT. NO.	ALIGN. NO.	STATION	OFFSET *	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS **
40000	10000	101+29.00	33.87	653162.6191	618777.8861	N 72°09'17.50" E	12.95				
40001	10000	101+41.95	33.87	653166.5890	618790.2173	S 4°53'22.50" E	2.18				
40002	10000	101+41.47	36.00	653164.4137	618790.4034	S 72°09'17.50" W	12.47				
40003	10000	101+29.00	36.00	653160.5939	618778.5381	N 17°50'42.50" W	2.13				
40000	10000	101+29.00	33.87	653162.6191	618777.8861						

FIGURE 1-PE AREA = 27.0418 SQ. FT. (0.0006 ACRES)

PT. NO.	ALIGN. NO.	STATION	OFFSET *	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS **
40007	10000	104+74.93	30.00	653272.3123	619105.9815	N 72°09'17.50" E	105.72				
40008	10000	105+80.64	30.00	653304.7091	619206.6131	S 17°50'42.50" E	3.00				
40009	10000	105+80.64	33.00	653301.8534	619207.5324	S 72°09'17.50" W	85.72				
40010	10000	104+94.93	33.00	653275.5856	619125.9386	S 17°50'42.50" E	3.00				
40011	10000	104+94.93	36.00	653272.7299	619128.8579	S 72°09'17.50" W	20.00				
40012	10000	104+74.93	36.00	653266.6010	619107.8202	N 17°50'42.50" W	6.00				
40007	10000	104+74.93	30.00	653272.3123	619105.9815						

FIGURE 3-TCE AREA = 377.1535 SQ. FT. (0.0087 ACRES)

PT. NO.	ALIGN. NO.	STATION	OFFSET *	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS **
40004	10000	101+42.85	30.00	653170.5481	618789.8786	N 72°09'17.50" E	97.08				
40005	10000	102+39.93	30.00	653200.2977	618882.2877	S 17°50'42.50" E	6.00				
40006	10000	102+39.93	36.00	653194.5864	618884.1264	S 72°09'17.50" W	98.46				
40002	10000	101+41.47	36.00	653164.4137	618790.4034	N 4°53'22.50" W	6.16				

FIGURE 2-TCE AREA = 586.6196 SQ. FT. (0.0135 ACRES)

PT. NO.	ALIGN. NO.	STATION	OFFSET *	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS **
40008	10000	105+80.64	30.00	653304.7091	619206.6131	N 72°09'17.50" E	55.00				
40013	10000	106+35.64	30.00	653321.5636	619258.9669	S 17°50'42.50" E	3.00				
40014	10000	106+35.64	33.00	653318.7079	619259.8863	S 72°09'17.50" W	55.00				
40009	10000	105+80.64	33.00	653301.8534	619207.5324	N 17°50'42.50" W	3.00				
40008	10000	105+80.64	30.00	653304.7091	619206.6131						

FIGURE 4-TCE AREA = 165.0000 SQ. FT. (0.0038 ACRES)

THIS SHEET PREPARED BY
THE CONSULTING FIRM OF
McCormick Taylor
Engineers & Planners
Since 1946

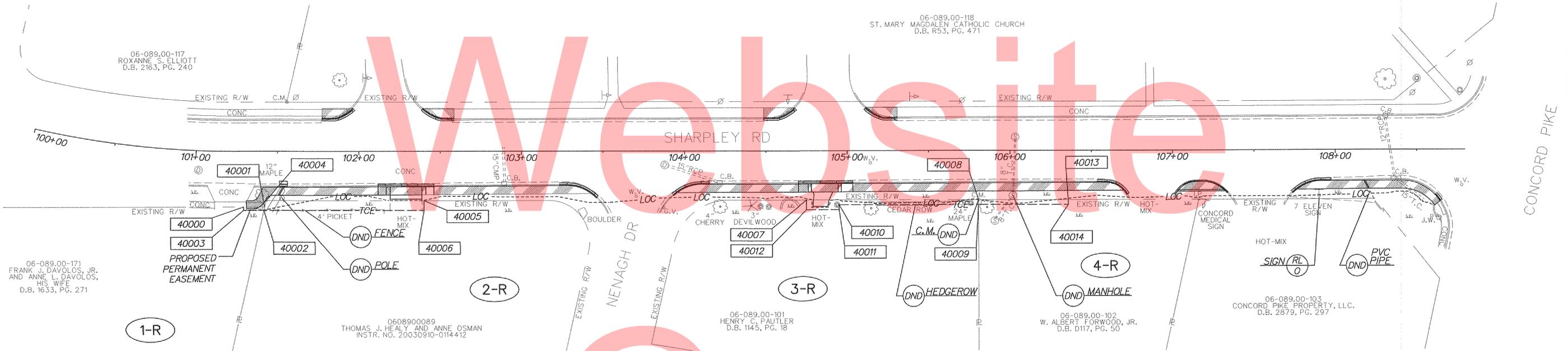
William J. Dougherty
PROJECT ENGINEER
DATE: Mar 25 2014

RECOMMENDED AS TO ENGINEERING NEED

H. J. Smith 4-7-14
MANAGER, TEAM SUPPORT DATE

Shehnaaz Chaudhry 4/7/14
PROGRAM MANAGER, TEAM SUPPORT DATE

n/a
TECHNICAL REVIEWER, TEAM SUPPORT DATE

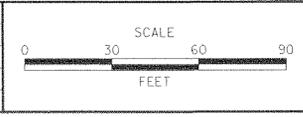


COUNTY ASSESSMENT PARCEL NUMBER	PLAN SHEET NUMBER	OWNERSHIP OF RECORD	TITLE SOURCE	PROPERTY AREA BEFORE ACQUISITION (ACRE) D=DEED C=CALCULATED A=ASSESSMENT	ACQUISITION CODE FEE, R/W, P/E, TCE	AREA TO BE ACQUIRED		PROPERTY AREA REMAINING (SQ. FEET /ACRES)	DEED RECORD OF ACQUISITION	REMARKS
						ACQUISITION (SQ. FEET /ACRES)	AREA OCCUPIED BY EXISTING RIGHT OF WAY (SQ. FEET /ACRES)			
06-089.00-171	-	(1-R) FRANK J. AND ANNE L. DAVOLOS	D.B. 1633, PG. 271	A - 0.46	P/E	27.0418 / 0.00		20037.60 / 0.46		
06-089.00-089	-	(2-R) THOMAS J. HEALY AND ANNE OSMAN	INSTR. NO. 20030310-0114412	A - 0.79	TCE		586.6196 / 0.01	34412.40 / 0.79		
06-089.00-101	-	(3-R) HENRY C. PAUTLER	D.B. 1145, PG. 18	A - 0.45	TCE		377.1535 / 0.01	19602.00 / 0.45		
06-089.00-102	-	(4-R) W. ALBERT FORWOOD, JR.	D.B. D117, PG. 50	A - 0.56	TCE		165.00 / 0.00	24393.60 / 0.56		

ACQUISITION CODES	
FEE - ACQUISITION	P/E - PERMANENT EASEMENT
R/W - AREA OCCUPIED BY EXISTING R/W	TCE - TEMPORARY EASEMENT

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS



**SAFE ROUTES TO SCHOOL,
MAPLE LANE, ELBERT-PALMER, AND
ST. MARY MAGDALEN SCHOOLS**

CONTRACT T201469001	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: WJD CHECKED BY: MAA

ST. MARY MAGDALEN ELEMENTARY RIGHT-OF-WAY PLAN	SHEET NO. 21
	TOTAL SHTS. 21

SDATES
SELEAS