

FUNCTIONAL CLASS: MAJOR COLLECTOR / LOCAL	D.H.V. PROJECTED: N/A	YEAR: N/A
TYPE OF CONSTRUCTION: PEDESTRIAN IMPROVEMENTS		DESIGN SPEED: 30 M.P.H.
A.A.D.T. CURRENT: N/A	YEAR: N/A	TRUCKS: N/A
A.A.D.T. PROJECTED: N/A	YEAR: N/A	DIRECTION OF DISTRIBUTION: N/A

INDEX OF SHEETS

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TOTAL SHEETS: 26

APPROVED DESIGN EXCEPTIONS

DESIGN PARAMETER	REQUIRED	PROVIDED	DATE

ADDENDA & REVISIONS

DESCRIPTION	NAME & DATE

ASSOCIATED CONTRACTS	
CONTRACT NO.	CONTRACT NAME

# THE STATE OF DELAWARE DEPARTMENT OF TRANSPORTATION

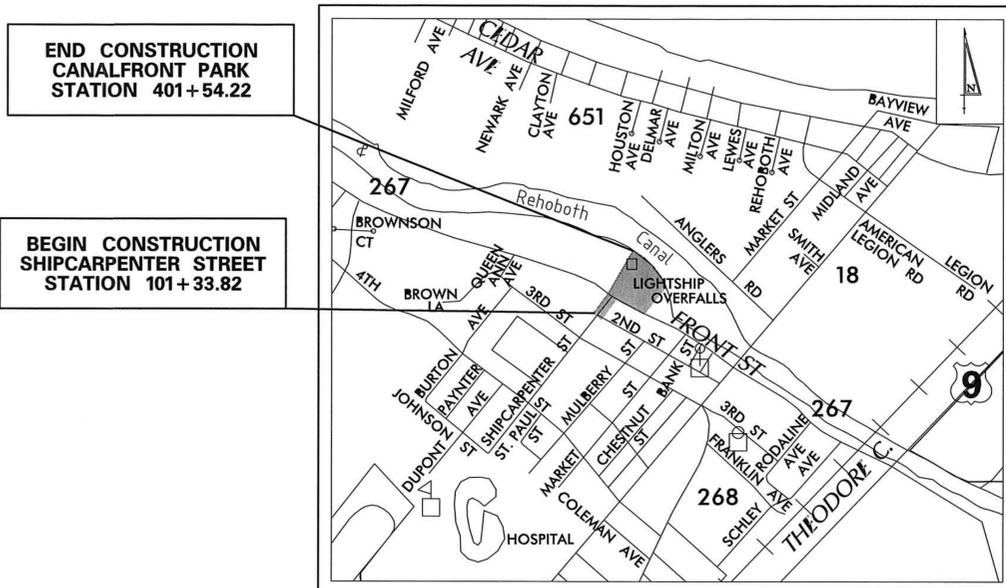
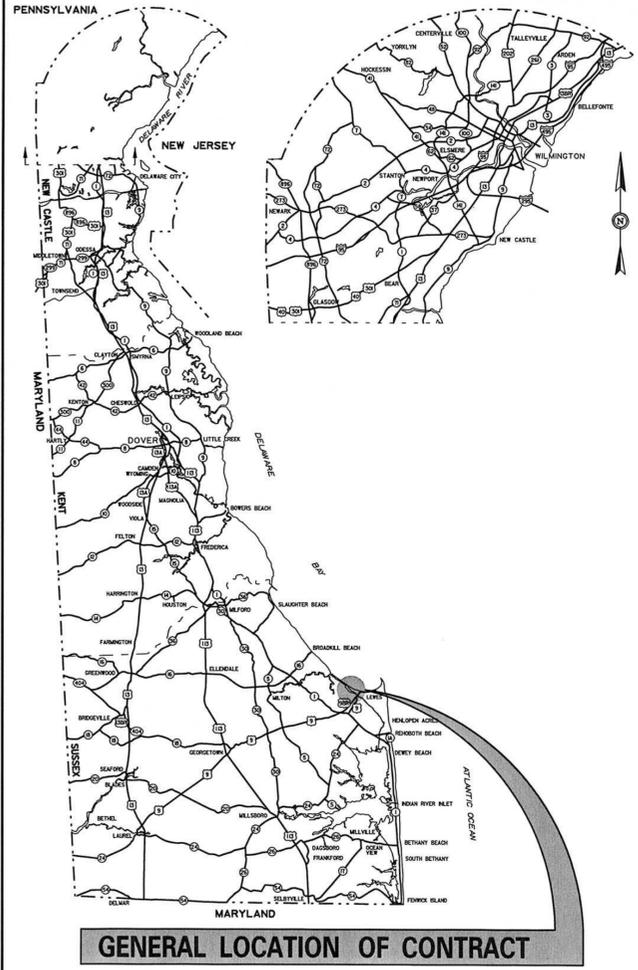


CONSTRUCTION PLANS FOR:

## LEWES HISTORICAL SOCIETY PEDESTRIAN IMPROVEMENTS

CONTRACT NUMBER: T201220012  
FEDERAL AID PROJECT NUMBER: ETEA-2012(13)

COUNTY: SUSSEX M.R. #: S267



END CONSTRUCTION  
CANALFRONT PARK  
STATION 401+54.22

BEGIN CONSTRUCTION  
SHIPCARPENTER STREET  
STATION 101+33.82

PREPARED BY  
THE CONSULTING FIRM OF  
**CENTURY ENGINEERING**  
CONSULTING ENGINEERS, SURVEYORS  
4134 N. DUPONT HWY.  
DOVER, DELAWARE 19901  
(302) 734-9188

SEAL  
RECOMMENDED *Jonathan W. King* 4/29/14 DATE

SPONSORED BY  
*James P. [Signature]* 4/30/14 DATE  
CITY OF LEWES

RECOMMENDED  
*Robert Campbell* 4/13/14 DATE  
SQUAD MANAGER, CONSTRUCTION

*Bradford L. [Signature]* 5/15/2014 DATE  
GROUP ENGINEER, CONSTRUCTION

*[Signature]* DATE  
ASSISTANT DIRECTOR, TRANSPORTATION SOLUTIONS (CONSTRUCTION)

RECOMMENDED  
*Vincent W. Davis*  
STORMWATER ENGINEER  
DATE 20 MAY 2014

SEAL



RECOMMENDED AS TO PROCESS  
*[Signature]*  
TRANSPORTATION ALTERNATIVES PROGRAM MANAGER  
DATE 5-22-14

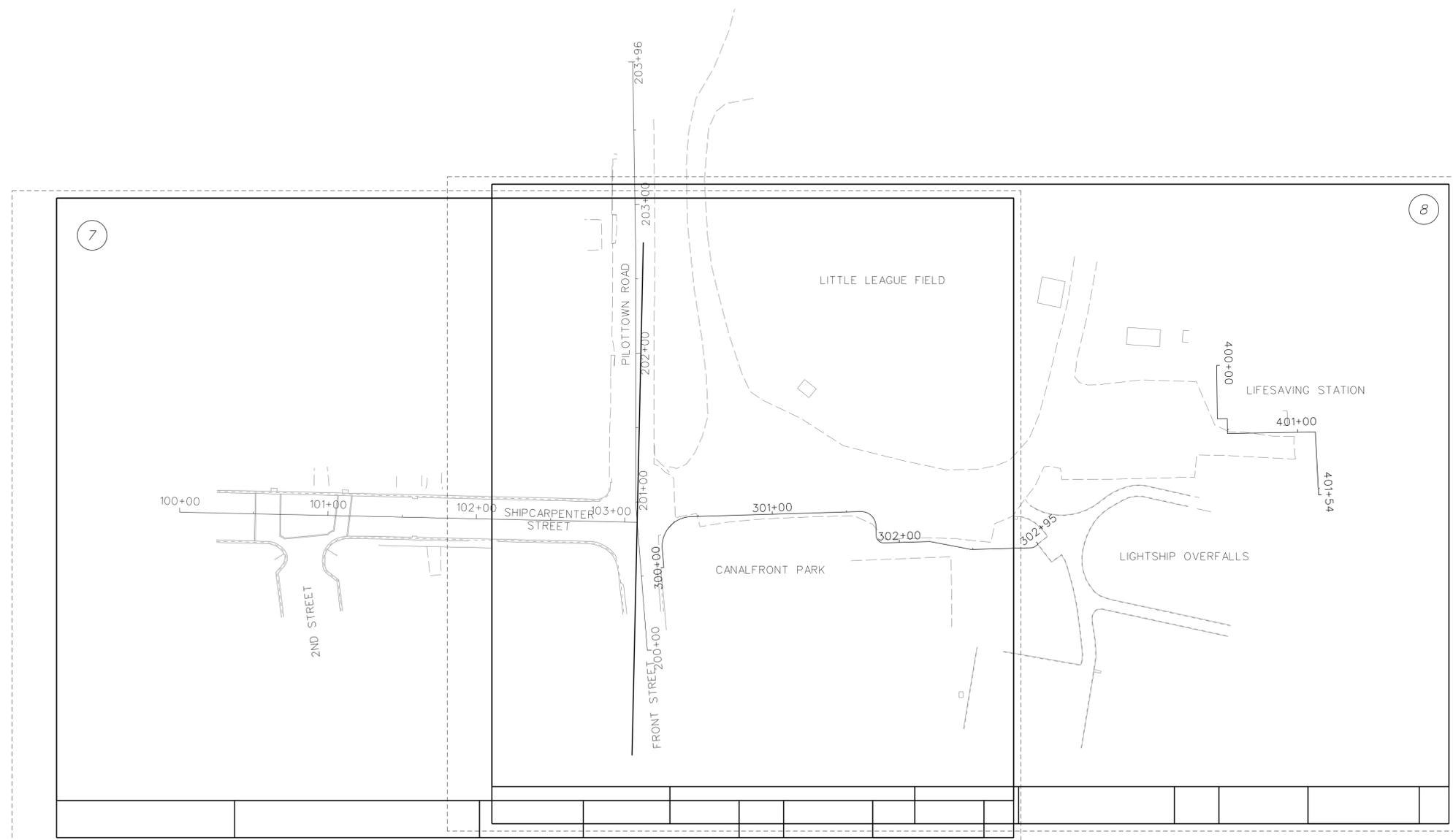
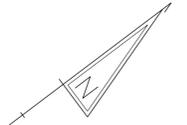
SEAL

APPROVED AS TO PROCESS  
*[Signature]*  
CHIEF ENGINEER  
DATE 5/22/14

SEAL

4/17/2014 10:08:18 AM G:\PROJECTS\115019.00 (DelDOT Agrmt 1595 TEP)\115019.18 (Task 17\_Lewes Ped Improvements)\CADD FILES\115019\_18.dgn

PLAN SHEET INDEX CROSS REFERENCE		
CONSTRUCTION PLAN	7	8
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CONSTRUCTION PHASING, M.O.T. AND E&S	16	17, 18
LIGHTING PLAN	N/A	19
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## 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	
	CITY OF LEWES SEWER
	CITY OF LEWES ELECTRIC
	CITY OF LEWES WATER
	COMCAST CABLE
	VERIZON

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
	PERENNIAL BED

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

PAVEMENT SECTION(S)	
	FULL DEPTH PAVEMENT - SEE CONSTRUCTION DETAILS FOR MATERIALS AND DEPTHS
	CRUSHED STONE PARKING LOT - SEE CONSTRUCTION DETAILS FOR MATERIALS AND DEPTHS
	PERVIOUS CONCRETE SIDEWALK - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS
	BRICK DRIVEWAY - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS
	BRICK SIDEWALK - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS
	UNIT PAVER SIDEWALK - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS

## 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.
- 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 DNREC CERTIFICATION NUMBER OF EACH SITE REVIEWER SO REQUIRED SHALL BE SUBMITTED TO THE DEPARTMENT PRIOR TO THE EXECUTION OF THE CONTRACT. 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 PRIOR TO THE EXECUTION OF THE CONTRACT. 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	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 PRIOR TO THE EXECUTION OF THE CONTRACT. THE SUPERINTENDENT MUST BECOME A CCR WITHIN ONE YEAR AFTER THE AWARD OF CONTRACT.

- ELECTRONIC PROJECT FILES THAT WILL BE MADE AVAILABLE TO THE AWARDED CONTRACTOR, INCLUDE:

( )	NONE
( )	ASCII DATA FILES WITH COORDINATES AND ELEVATIONS FOR PROPOSED POINTS AS SELECTED BY THE ENGINEER.
( X )	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.

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

( )	CROSS SECTIONS
( )	RIGHT-OF-WAY PLANS (WILL BE MADE AVAILABLE TO THE AWARDED CONTRACTOR)

- AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED TRAFFIC CONTROL SUPERVISOR REQUIREMENT FOR THIS PROJECT.

( )	THE CONTRACTOR SHALL NOT BE REQUIRED TO HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT.
( X )	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 THIS PROJECT IS 1.5 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 EROSION AND SEDIMENT CONTROL PLANS HAVE BEEN APPROVED BY DELDOT'S STORMWATER ENGINEER UNDER DELDOT'S DELEGATED AUTHORITY. THE EROSION AND SEDIMENT CONTROL PLANS ARE VALID FOR A THREE YEAR PERIOD, BEGINNING ON THE DATE THE STORMWATER ENGINEER SIGNED THE CONSTRUCTION TITLE SHEET. IF THE FINAL ACCEPTANCE OF THE PROJECT IS ANTICIPATED TO EXTEND BEYOND THE THREE YEARS, THE CONTRACTOR SHALL INFORM THE ENGINEER THREE MONTHS PRIOR TO THE EXPIRATION OF THE EROSION AND SEDIMENT CONTROL PLAN APPROVAL. DELDOT WILL REVIEW THE CURRENT EROSION AND SEDIMENT CONTROL PLAN AND ISSUE AN EXTENSION WITH ANY APPROPRIATE MODIFICATIONS.

## PROJECT NOTES

### SECTION 100

- ANY DAMAGE DONE BY THE CONTRACTOR 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.

### SECTION 200

- IN AREAS WHERE TREES OR SHRUBS WILL BE OVERHANGING THE PROPOSED SIDEWALK, PRUNING MAY BE NECESSARY TO ACHIEVE A VERTICAL CLEAR SPACE OF 8 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.
- ITEMS TO BE REMOVED UNDER ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING: DESTINATION SIGNS, UTILITY POLE ACTING AS PARKING BUMPER, BLEACHERS, EXISTING LITTLE LEAGUE SIGN, WHALE BOAT, FENCE AND EXISTING OVERFALLS SIGN.
- 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 NOIS KEPT ON FILE IN EACH OF THE CONSTRUCTION OFFICES AND THE DEPARTMENT'S TEAM SUPPORT SECTION. A COPY OF THE GENERAL PERMIT OR THE NOICAN BE OBTAINED UPON REQUEST FROM EITHER THE DEPARTMENT'S STORMWATER ENGINEER OR THE APPROPRIATE CONSTRUCTION ENGINEER.

### SECTION 400

- THE PAVEMENT SECTION FOR RESIDENTIAL DRIVEWAYS BE 6" STONE. SEE CONSTRUCTION PLANS.

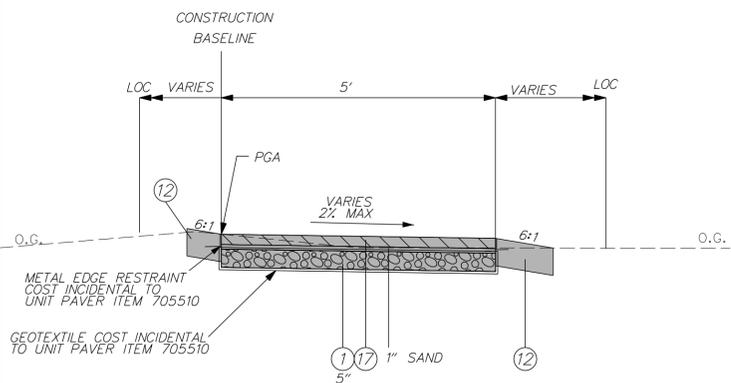
### SECTION 700

- 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. 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 - SAW CUTTING, CONCRETE, FULL DEPTH.
- 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.
- 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.
- THE CONTRACTOR SHALL COORDINATE ACCESS TO THE RESIDENTIAL PROPERTIES ALONG SHIPCARPENTER STREET WITH THE OWNERS. ACCESS SHALL BE MAINTAINED AT ALL TIMES UNLESS PREVIOUSLY AGREED BY THE OWNER AND APPROVED BY THE ENGINEER.
- PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES IN CANALFRONT PARK WITH: THE CITY OF LEWES (TED BECKER 302-645-8726), LEWES HISTORICAL SOCIETY (MIKE DIPALO 302-645-7670) AND THE LIGHTSHIP OVERFALLS (DAVID BERNHEISEL 302-645-7377). CONTRACTOR SHALL NOT HAVE EQUIPMENT OR OPERATIONS THAT WILL IMPACT 'COAST DAY' (OCTOBER 4 - 5, 2014)
- THE LOCATIONS OF ALL ABOVE GROUND ITEMS TO BE INSTALLED SUCH AS LIGHTS, SIGNS, ETC. SHALL BE VERIFIED BY THE ENGINEER PRIOR TO INSTALLATION. ALL COSTS WILL BE INCIDENTAL TO ITEM 763501 CONSTRUCTION ENGINEERING.
- THE CONTRACTOR SHALL CAREFULLY REMOVE THE BRICKS IN THE EXISTING SIDEWALK AT STATION 300+00. UNDAMAGED BRICKS SHALL BE DELIVERED TO THE CITY OF LEWES PUBLIC WORKS FACILITY. ALL COSTS FOR REMOVAL, LOADING, UNLOADING AND TRANSPORTATION ARE TO BE INCIDENTAL TO ITEM 758000.
- THE CONTRACTOR SHALL CAREFULLY REMOVE THE EXISTING DECORATIVE SIGN POSTS ON SHIPCARPENTER STREET. ALL REMOVED SIGN POSTS SHALL BE DELIVERED TO THE CITY OF LEWES PUBLIC WORKS FACILITY. ALL COSTS FOR LOADING, UNLOADING AND TRANSPORTATION ARE TO BE INCIDENTAL TO ITEM 211000.
- AT APPROXIMATE STATION 102+10 THE EXISTING CONCRETE TO THE PROPERTY'S BRICK PORCH SHALL BE REMOVED AND STONE PLACED TO THE EXISTING GRADE. THE PROPERTY OWNER WILL FINISH THE WALKWAY.
- THE CONTRACTOR SHALL RELOCATE THE WHALE BOAT AT STA. 302+95 TO THE OPPOSITE SIDE OF THE PATH AT THE GENERAL LOCATION SHOWN ON THE PLANS. CARE MUST BE USED WHEN RELOCATING THE BOAT AND THE MOVE SHALL BE COORDINATED WITH THE LIGHTSHIP OVERFALLS (DAVID BERNHEISEL (302) 645-7377). ONCE THE BOAT IS MOVED THE LIGHTSHIP OVERFALLS WILL BE RESPONSIBLE FOR SECURING THE BOAT. THIS WORK WILL BE PAID FOR UNDER ITEM 211000- REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
- ITEM 749584 FURNISH AND INSTALL DECORATIVE SIGN POST SHALL INCLUDE THE FOUNDATION, ANCHOR BOLTS, DECORATIVE POST, BASE AND FINIAL, SIGN, AND THE MOUNTING OF THE SIGN ONTO THE POST.
- THERE ARE NO ENVIRONMENTAL PERMITS ASSOCIATED WITH THIS PROJECT. AS SUCH, AN ENVIRONMENTAL COMPLIANCE SHEET WAS NOT PREPARED.

## HISTORICAL NOTES

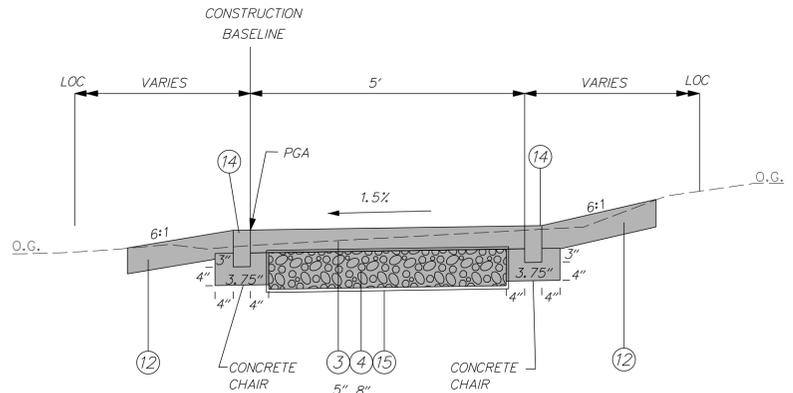
- CONTRACTOR SHALL BE AWARE THAT THE PROJECT IS LOCATED WITHIN THE LEWES HISTORICAL DISTRICT. AS SUCH, NO FURTHER WORK SHOULD BE UNDERTAKEN OTHER THAN THE NECESSARY PLANS AND SCOPE, AS INDICATED. ANY PLAN MODIFICATION SIGNIFICANT IN NATURE OR NEW INFORMATION NOT INITIALLY KNOWN THAT ALTERS PLANS AND DESIGNS WILL BE COORDINATED WITH THE DISTRICT ENGINEER AND THE ENVIRONMENTAL STUDIES OFFICE (MICHAEL HANN 302-760-2131; MICHAEL.C.HANN@STATE.DE.US) THEY WILL COORDINATE WITH THE DELAWARE STATE HISTORIC PRESERVATION OFFICE (SHPO) AND FEDERAL HIGHWAY ADMINISTRATION (FHWA) OR ANY OTHER INTERESTED PARTY BEFORE ANY ACTION IS IMPLEMENTED. PROPOSED OR NECESSARY MODIFICATIONS AND CHANGES WILL BE REVIEWED TO ENSURE PROPER TREATMENT AND CONSIDERATIONS TO HISTORIC PROPERTIES, PER SHPO, FHWA, THE PROPERTY OWNER(S), THE PROJECT SPONSOR, AND THE CONTRACTOR'S DIALOGUE.
- BEFORE CONSTRUCTION ACTIVITIES, THE CONTRACTOR WILL RECORD AND MONITOR SITE CONDITIONS BY USE OF VIDEO OR OTHER DATA RECORDATION. AS PART OF THAT EFFORT, THE CONTRACTOR MAY ALSO UNDERTAKE FIELD MEASUREMENTS AND RECORD EXISTING CONDITIONS FOR DESIGN DETAILS AND ANY CONTRASTING SPECIFICATIONS. THREE (3) COPIES WILL BE PROVIDED TO THE APPROPRIATE PERSONNEL DURING THE PRE- CONSTRUCTION MEETING AND PRIOR TO CONSTRUCTION. THE DEPARTMENT SHALL REVIEW AND APPROVE THE VIDEO PRIOR TO BEGINNING OF CONSTRUCTION ACTIVITIES. THE EFFORTS WILL BE USED FOR ANY DISPUTE RESOLUTIONS, SHOULD THEY ARISE. ALL COSTS ARE INCIDENTAL TO ITEM \*763501.
- IF UNFORESEEN DAMAGE OCCURS TO ANY CONTRIBUTING PROPERTY WITHIN THE LEWES DISTRICT (AS A DIRECT RESULT OF THE UNDERTAKING) DELDOT'S PLANNING AND ENVIRONMENTAL STUDIES PERSONNEL WILL BE CONTACTED TO ENSURE THAT THE SHPO, FHWA, OR OTHERS ARE CONSULTED ON WAYS TO REPAIR DAMAGE UNDER THE SECRETARY OF THE INTERIOR STANDARDS FOR REHABILITATION AND/OR TREATMENT OF HISTORIC PROPERTIES. ANY REPAIR MEASURES WILL AVOID AND MINIMIZE ADVERSE EFFECTS AS DETERMINED BY DELDOT, SHPO, AND FHWA.

5/22/2014 10:33:18 AM G:\PROJECTS\15019.00 (DelDOT Agrmt 1595 TEP)\15019.18 (Task 17\_Lewes Ped Improvements)\CADD FILES\15019\_18\lewes.dgn

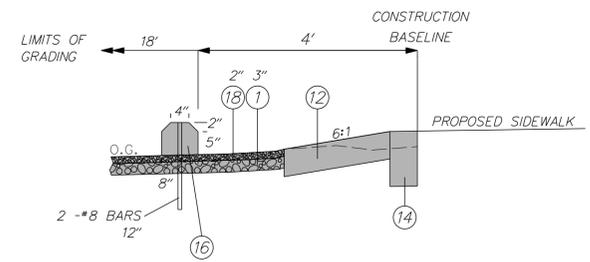


**LIFE SAVING STATION**  
**STATION 400+00 TO STATION 401+54.15**

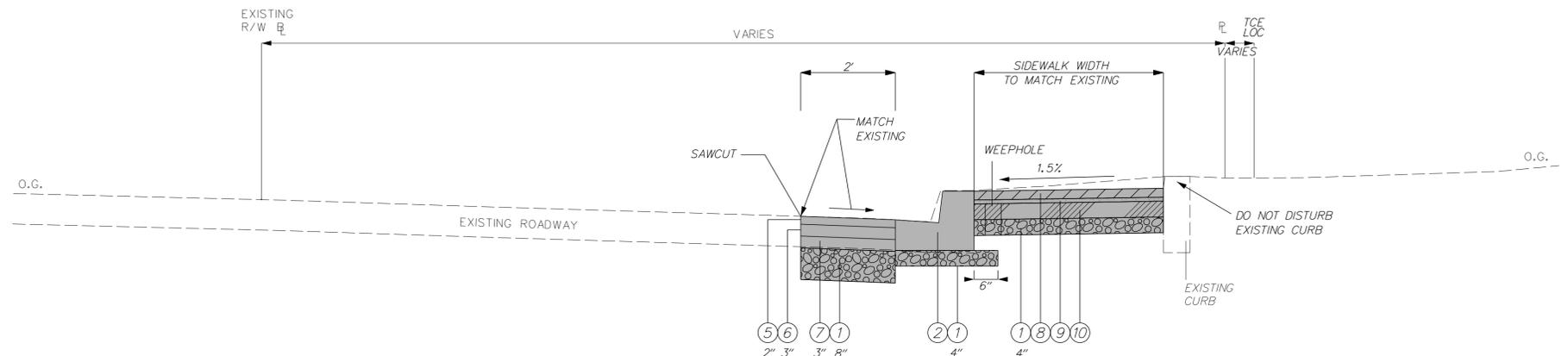
NOTE: UNIT PAVERS TO MATCH TYPE, COLOR AND PATTERN OF THOSE ADJACENT TO THE LIGHTSHIP OVERFALLS.



**CANALFRONT PARK**  
**STATION 300+00 TO STATION 302+94.77**

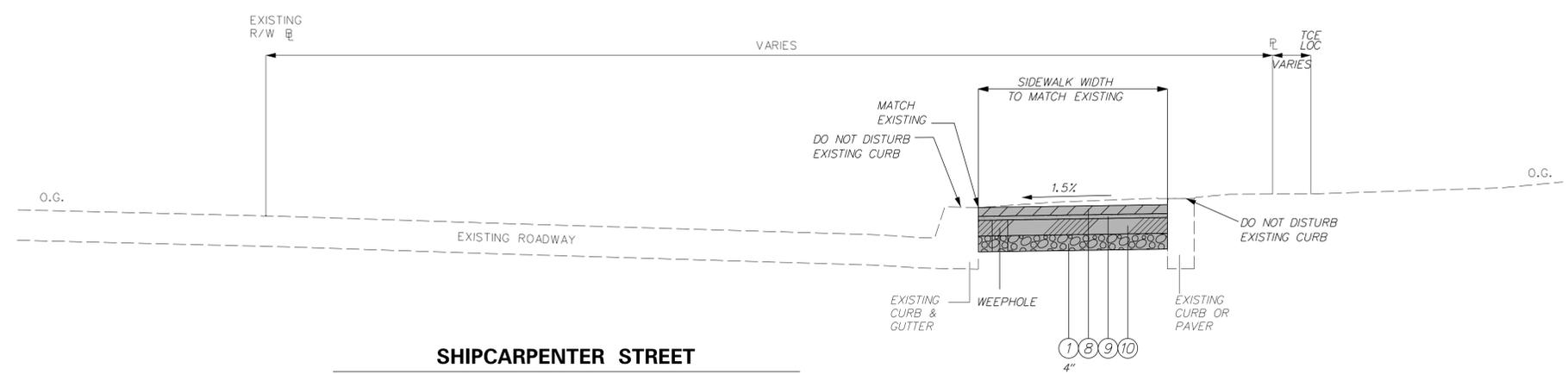


**CANALFRONT PARK**  
**PARKING LOT ADJACENT TO SIDEWALK**



**SHIPCARPENTER STREET**  
**STATION 101+61.82 TO STATION 102+17.82**

- NOTES:
1. PLACE 8"X8" GEOTEXTILES SEPARATOR OVER TOP OF PVC WEEPHOLE (TYP.) INCIDENTAL TO BRICK SIDEWALK.
  2. 4" DIAMETER COMPACTED GABC FILLED PVC WEEPHOLES TO BE PLACED EVERY 100 SF.
  3. WEEPHOLES INCIDENTAL TO ITEM 705504.



**SHIPCARPENTER STREET**  
**STATION 101+33.74 TO STATION 101+61.82**  
**STATION 102+17.82 TO STATION 102+68.50**

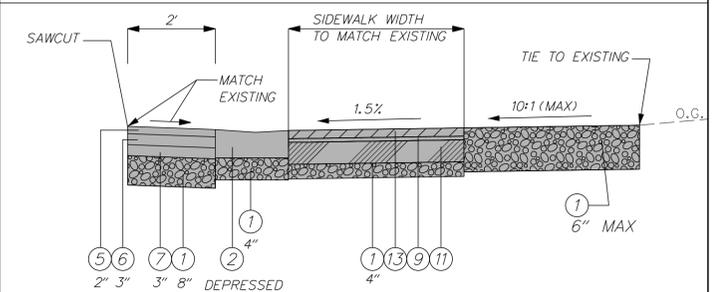
**LEGEND**

①	ITEM 302008	- GRADED AGGREGATE BASE COURSE, TYPE B PATCHING
②	ITEM 701022	- INTEGRAL P.C.C. CURB & GUTTER, TYPE 3-8
③	ITEM 501532	- PERVIOUS PORTLAND CEMENT CONCRETE
④	ITEM 302518	- INFILTRATION STONE, NO. 57
⑤	ITEM 401821	- WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22, PATCHING
⑥	ITEM 401822	- WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 64-22, PATCHING
⑦	ITEM 401823	- WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING
⑧	ITEM 705504	- BRICK AND/OR BLOCK SIDEWALK
⑨	ITEM 705504	- 1" DRY MORTAR MIX SETTING BED INCIDENTAL TO BRICK AND/OR BLOCK SIDEWALK
⑩	ITEM 705504	- 4" PCC BASE INCIDENTAL TO BRICK AND/OR BLOCK SIDEWALK
⑪	ITEM 705506	- 6" PCC BASE INCIDENTAL TO BRICK AND/OR BLOCK ROADWAY
⑫	ITEM 732002	- TOPSOIL, 6" DEPTH
	ITEM 734013	- PERMANENT GRASS SEEDING, DRY GROUND
⑬	ITEM 705506	- BRICK AND/OR BLOCK ROADWAY (DRIVEWAYS)
⑭	ITEM 701504	- EDGER STONE (L)8" x (D)8" x (W)3.75"
⑮	ITEM 713002	- GEOTEXTILE, SEPARATION
⑯	ITEM 701505	- PARKING BUMPER
⑰	ITEM 705510	- UNIT PAVER, TYPE A
⑱	ITEM 302014	- DELAWARE NO. 8 STONE

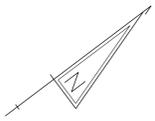
MATERIAL	LIFT THICKNESS	
	MINIMUM	MAXIMUM
WARM-MIX, TYPE 'C'	1.25"	2"
WARM-MIX, TYPE 'B'	2.25"	3"
BITUMINOUS CONCRETE BASE COURSE	3"	6"
GRADED AGGREGATE BASE COURSE	3"	8"

PR - POINT OF ROTATION  
 PDGA - PROFILE DITCH GRADE APPLICATION  
 PGA - PROFILE GRADE APPLICATION

- NOTES:
1. THE CONTRACTOR SHALL SAW CUT 2" MAXIMUM INTO THE EXISTING PAVEMENT FOR CONSTRUCTION OF THE PROPOSED FULL DEPTH PAVEMENT OR AS DIRECTED BY ENGINEER IN THE FIELD.
  2. CONTRACTOR SHALL LOAD TEST ALL SUBGRADE SOIL PRIOR TO THE PLACEMENT OF THE SUBBASE COURSE. ALL UNSUITABLE MATERIAL FOUND SHALL BE EXCAVATED TO THE DEPTH OF STABLE SOIL AND BACKFILLED WITH APPROVED MATERIAL. THE CONTRACTOR SHALL COMPACT ALL MATERIALS TO MEET THE DELDOT STANDARD SPECIFICATIONS.
  3. THE COURSE AGGREGATE GRADATION FOR ITEM 501532 SHALL BE SIMILAR IN COLOR AND SIZE TO THE PATHWAY IN CANALFRONT PARK.
  4. ALL WORK WITHIN CANALFRONT PARK IS WITHIN CITY OF LEWES RIGHT OF WAY
  5. HORIZONTAL CLEARANCE IS 2' BEHIND FACE OF CURB.



**SHIPCARPENTER STREET DRIVEWAY SECTION**



**CIRCULAR CURVE ①**

PC (1008)	300+12.59	283129.7482	734489.4692
PI (1009)	300+33.71	283140.9877	734471.5964
CC ( )		283146.6787	734500.1161
PT (1010)	300+45.09	283158.2262	734483.7865
Radius:		20.0000	
Delta:		93° 06' 06.6620" Right	
Degree of Curvature(Arc):		286° 28' 44.0312"	
Length:		32.4987	
Tangent:		21.1132	
Chord:		29.0394	
Middle Ordinate:		6.2458	
External:		9.0820	
Tangent Direction:		N 57° 50' 08.8924" W	
Radial Direction:		N 32° 09' 51.1076" E	
Chord Direction:		N 11° 17' 05.5614" W	
Radial Direction:		S 54° 44' 02.2304" E	
Tangent Direction:		N 35° 15' 57.7696" E	

**CIRCULAR CURVE ③**

PC (1014)	301+81.76	283250.3093	734569.1179
PI (1015)	301+86.75	283247.4282	734573.1922
CC ( )		283254.3917	734572.0048
PT (1016)	301+89.60	283251.4968	734576.0814
Radius:		5.0000	
Delta:		89° 53' 09.9314" Left	
Degree of Curvature(Arc):		1145° 54' 56.1249"	
Length:		7.8440	
Tangent:		4.9901	
Chord:		7.0640	
Middle Ordinate:		1.4610	
External:		2.0640	
Tangent Direction:		S 54° 44' 02.2304" E	
Radial Direction:		S 35° 15' 57.7696" W	
Chord Direction:		N 80° 19' 22.8039" E	
Radial Direction:		S 54° 37' 12.1619" E	
Tangent Direction:		N 35° 22' 47.8381" E	

**CIRCULAR CURVE ④**

PC (1017)	302+19.70	283276.0355	734593.5072
PI (1018)	302+20.79	283276.9234	734594.1378
CC ( )		283270.2455	734601.6605
PT (1019)	302+21.87	283277.6547	734594.9446
Radius:		10.0000	
Delta:		12° 25' 48.0911" Right	
Degree of Curvature(Arc):		572° 57' 28.0625"	
Length:		2.1694	
Tangent:		1.0890	
Chord:		2.1652	
Middle Ordinate:		0.0588	
External:		0.0591	
Tangent Direction:		N 35° 22' 47.8381" E	
Radial Direction:		S 54° 37' 12.1619" E	
Chord Direction:		N 41° 35' 41.8837" E	
Radial Direction:		S 42° 11' 24.0708" E	
Tangent Direction:		N 47° 48' 35.9292" E	

**CIRCULAR CURVE ⑤**

PC (1020)	302+48.50	283295.5434	734614.6800
PI (1021)	302+49.05	283295.9091	734615.0834
CC ( )		283299.2480	734611.3220
PT (1022)	302+49.59	283296.3530	734615.3987
Radius:		5.0000	
Delta:		12° 25' 48.0911" Left	
Degree of Curvature(Arc):		1145° 54' 56.1250"	
Length:		1.0847	
Tangent:		0.5445	
Chord:		1.0826	
Middle Ordinate:		0.0294	
External:		0.0296	
Tangent Direction:		N 47° 48' 35.9292" E	
Radial Direction:		S 42° 11' 24.0708" E	
Chord Direction:		N 41° 35' 41.8837" E	
Radial Direction:		S 54° 37' 12.1619" E	
Tangent Direction:		N 35° 22' 47.8381" E	

**CIRCULAR CURVE ②**

PC (1011)	301+59.54	283251.6741	734549.8682
PI (1012)	301+69.54	283259.8389	734555.6419
CC ( )		283245.9003	734558.0330
PT (1013)	301+75.25	283254.0651	734563.8067
Radius:		10.0000	
Delta:		90° 00' 00.0000" Right	
Degree of Curvature(Arc):		572° 57' 28.0625"	
Length:		15.7080	
Tangent:		10.0000	
Chord:		14.1421	
Middle Ordinate:		2.9289	
External:		4.1421	
Tangent Direction:		N 35° 15' 57.7696" E	
Radial Direction:		S 54° 44' 02.2304" E	
Chord Direction:		N 80° 15' 57.7696" E	
Radial Direction:		S 35° 15' 57.7696" W	
Tangent Direction:		S 54° 44' 02.2304" E	

**CIRCULAR CURVE ⑥**

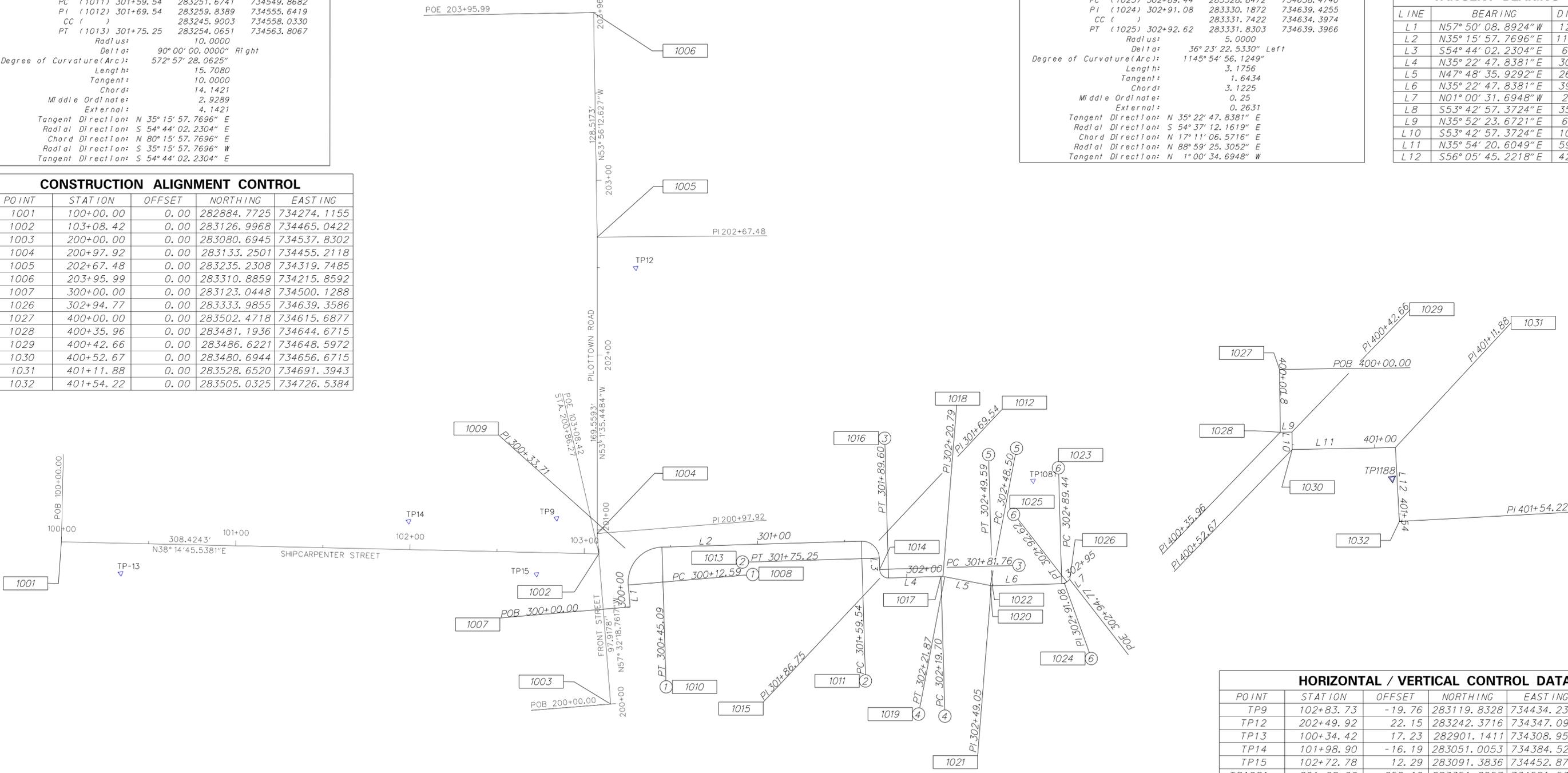
PC (1023)	302+89.44	283328.8472	734638.4740
PI (1024)	302+91.08	283330.1872	734639.4255
CC ( )		283331.7422	734634.3974
PT (1025)	302+92.62	283331.8303	734639.3966
Radius:		5.0000	
Delta:		36° 23' 22.5330" Left	
Degree of Curvature(Arc):		1145° 54' 56.1249"	
Length:		3.1756	
Tangent:		1.6434	
Chord:		3.1225	
Middle Ordinate:		0.25	
External:		0.2631	
Tangent Direction:		N 35° 22' 47.8381" E	
Radial Direction:		S 54° 37' 12.1619" E	
Chord Direction:		N 17° 11' 06.5716" E	
Radial Direction:		N 88° 59' 25.3052" E	
Tangent Direction:		N 1° 00' 34.6948" W	

**CONSTRUCTION ALIGNMENT TANGENT BEARING**

LINE	BEARING	DISTANCE
L1	N57° 50' 08.8924" W	12.5922'
L2	N35° 15' 57.7696" E	114.4521'
L3	S54° 44' 02.2304" E	6.5049'
L4	N35° 22' 47.8381" E	30.0966'
L5	N47° 48' 35.9292" E	26.6362'
L6	N35° 22' 47.8381" E	39.8540'
L7	N01° 00' 31.6948" W	2.1555'
L8	S53° 42' 57.3724" E	35.9558'
L9	N35° 52' 23.6721" E	6.6993'
L10	S53° 42' 57.3724" E	10.0165'
L11	N35° 54' 20.6049" E	59.2081'
L12	S56° 05' 45.2218" E	42.3438'

**CONSTRUCTION ALIGNMENT CONTROL**

POINT	STATION	OFFSET	NORTHING	EASTING
1001	100+00.00	0.00	282884.7725	734274.1155
1002	103+08.42	0.00	283126.9968	734465.0422
1003	200+00.00	0.00	283080.6945	734537.8302
1004	200+97.92	0.00	283133.2501	734455.2118
1005	202+67.48	0.00	283235.2308	734319.7485
1006	203+95.99	0.00	283310.8859	734215.8592
1007	300+00.00	0.00	283123.0448	734500.1288
1008	302+94.77	0.00	283333.9855	734639.3586
1009	400+00.00	0.00	283502.4718	734615.6877
1010	400+35.96	0.00	283481.1936	734644.6715
1011	400+42.66	0.00	283486.6221	734648.5972
1012	400+52.67	0.00	283480.6944	734656.6715
1013	401+11.88	0.00	283528.6520	734691.3943
1014	401+54.22	0.00	283505.0325	734726.5384



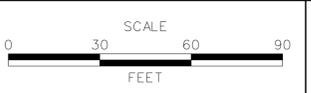
**HORIZONTAL / VERTICAL CONTROL DATA**

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
TP9	102+83.73	-19.76	283119.8328	734434.2393	9.03
TP12	202+49.92	22.15	283242.3716	734347.0944	9.75
TP13	100+34.42	17.23	282901.1411	734308.9573	9.03
TP14	101+98.90	-16.19	283051.0053	734384.5284	9.81
TP15	102+72.78	12.29	283091.3836	734452.8723	8.95
TP1081	201+28.09	250.10	283351.2057	734581.5328	4.87
TP1188	201+29.30	456.08	283516.4925	734704.4458	5.54

ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM (NAVD 1988) AND HORIZONTAL DATUM NORTH AMERICAN DATUM, NAD 83 (2007).



ADDENDUMS / REVISIONS



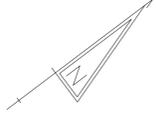
**LEWES HISTORICAL SOCIETY PEDESTRIAN IMPROVEMENTS**

CONTRACT	BRIDGE NO.	-
T201220012	DESIGNED BY:	LCH
COUNTY	CHECKED BY:	JMH
SUSSEX		

**HORIZONTAL AND VERTICAL CONTROL**

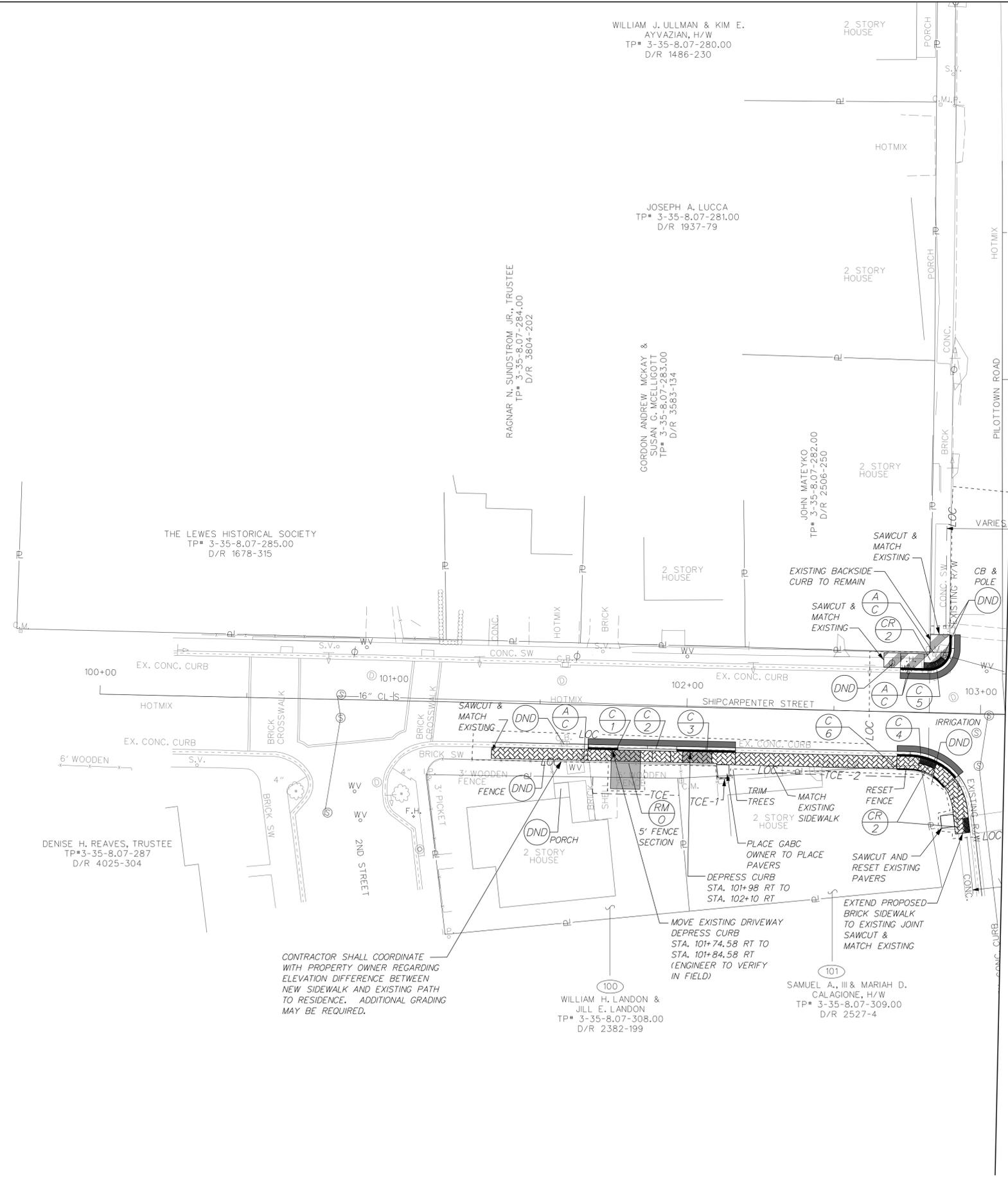
SHEET NO.	6
TOTAL SHTS.	26

4/17/2014 G:\PROJECTS\115019.00 (DelDOT Agrmt 1595 TEP)\115019.18 (Task 17\_Lewes Ped Improvements)\CADD FILES\hv01\_lewes.dgn 10:10:27 AM



CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
1	P. C. C. CURB & GUTTER TYPE 3-8	22.0
2	P. C. C. CURB & GUTTER TYPE 3-4	7.00
3	P. C. C. CURB & GUTTER TYPE 3-8	22.0
4	P. C. C. CURB & GUTTER TYPE 3-8	24.0
5	P. C. C. CURB & GUTTER TYPE 3-8	28.0
6	P. C. C. CURB TYPE 1-4 MODIFIED*	19.0

\* SEE CONSTRUCTION DETAILS



MATCHLINE STA. 103+08

CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER REGARDING ELEVATION DIFFERENCE BETWEEN NEW SIDEWALK AND EXISTING PATH TO RESIDENCE. ADDITIONAL GRADING MAY BE REQUIRED.

- NOTES:
- DRIVEWAY FOR PARCEL TP 3-35-8.07-308.00 SHALL BE MOVED TO MATCH RENOVATIONS ON PROPERTY. CONTRACTOR TO TIE INTO RELOCATED DRIVEWAY LOCATION.
  - BRICK SIDEWALK SHALL MATCH HERRINGBONE PATTERN OF EXISTING SIDEWALK AT STATION 101+33 RT.
  - CLEAR BRUSH FROM UTILITY POLE AT STATION 102+87 LT.
  - CLEAR BRUSH FROM OVERHANGING EXISTING BACKSIDE CURB AT STA. 102+84 LT. COSTS INCIDENTAL TO ITEM 201000.
  - SEE GRADES AND GEOMETRICS FOR SIDEWALK SECTION BETWEEN DRIVEWAYS AT STATION 101+88.58 RT TO 101+94.82 RT.
  - AT APPROXIMATE STATION 102+85 THERE IS AN EXISTING IRRIGATION SYSTEM. THE CONTRACTOR MUST COORDINATE THE ADJUSTMENT OF ANY HOSES WITH THE PROPERTY OWNER. ANY WORK INCIDENTAL TO CLEARING AND GRUBBING ITEM 201000.
  - CONTRACTOR TO HAND DIG AND USE CARE AROUND THE TREE AT STATION 102+80 TO MINIMIZE IMPACTS TO THE ROOTS.
  - THE TRUNCATED DOMES MUST BE A CONTRASTING COLOR FROM THE SIDEWALK.



ADDENDUMS / REVISIONS

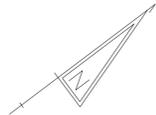


**LEWES HISTORICAL SOCIETY  
PEDESTRIAN IMPROVEMENTS**

CONTRACT	BRIDGE NO.	-
T201220012	DESIGNED BY:	LCH
COUNTY	CHECKED BY:	JMH
SUSSEX		

<b>CONSTRUCTION PLAN</b>	SHEET NO.	7
	TOTAL SHTS.	26

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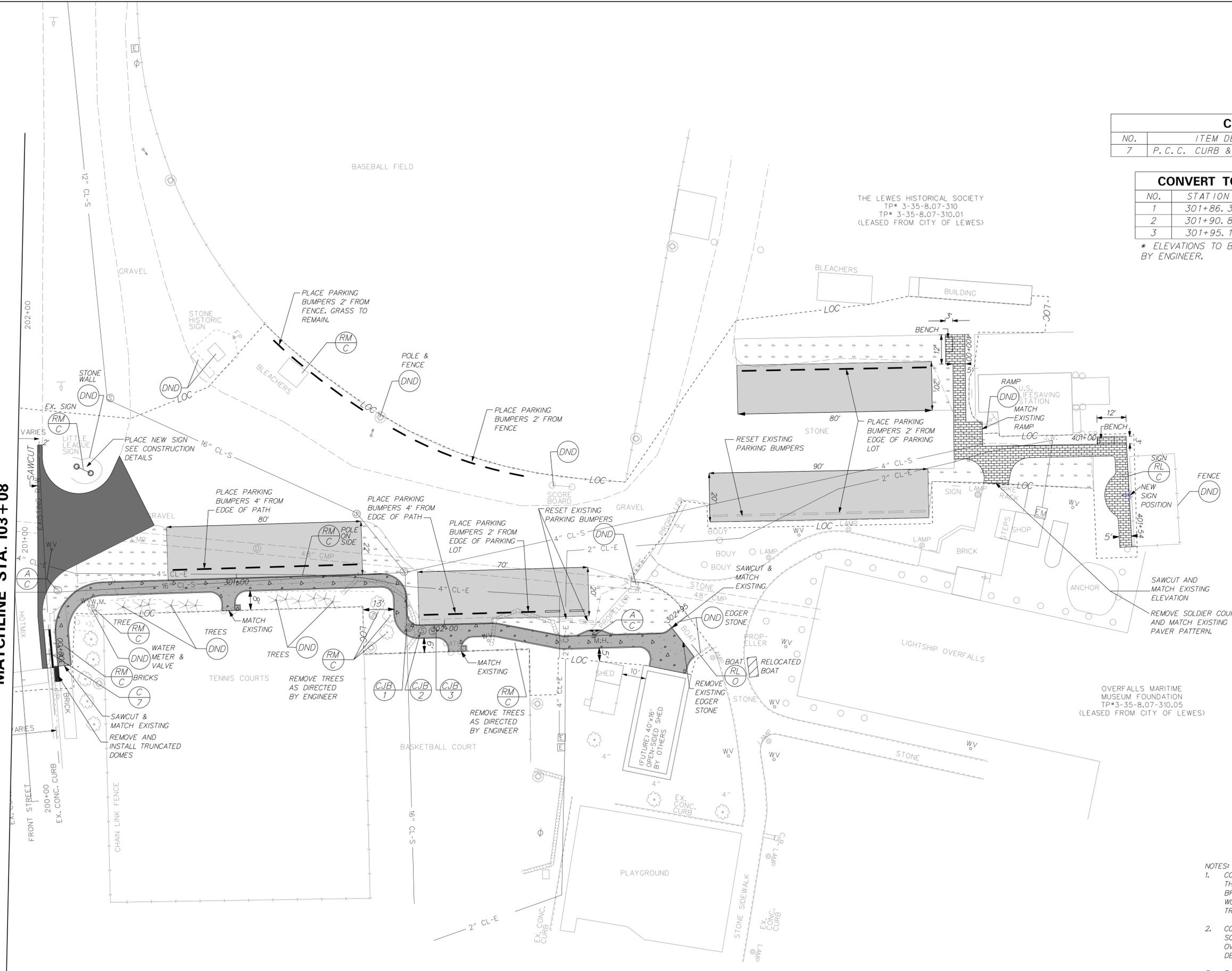


CURB SCHEDULE			
NO.	ITEM DESCRIPTION / TYPE	LENGTH	
7	P. C. C. CURB & GUTTER TYPE 1-8	16.0	

CONVERT TO JUNCTION BOX SCHEDULE				
NO.	STATION	OFFSET	T. C. EL.	INV. EL.
1	301+86.38	2.12	4.92*	*
2	301+90.87	2.07	4.88*	*
3	301+95.14	2.42	4.90*	*

\* ELEVATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY ENGINEER.

MATCHLINE STA. 103 + 08



THE LEWES HISTORICAL SOCIETY  
 TP# 3-35-8.07-310  
 TP# 3-35-8.07-310.01  
 (LEASED FROM CITY OF LEWES)

OVERFALLS MARITIME MUSEUM FOUNDATION  
 TP# 3-35-8.07-310.05  
 (LEASED FROM CITY OF LEWES)

- NOTES:
- CONTRACTOR SHALL CAREFULLY REMOVE THE BRICKS IN THE EXISTING SIDEWALK AT STATION 300+00. UNDAMAGED BRICKS SHALL BE DELIVERED TO THE CITY OF LEWES PUBLIC WORKS FACILITY. ALL COSTS FOR LOADING, UNLOADING AND TRANSPORTATION ARE TO BE INCIDENTAL TO ITEM 758000.
  - CONTRACTOR SHALL COORDINATE WITH THE HISTORICAL SOCIETY, CITY OF LEWES, LITTLE LEAGUE AND LIGHTSHIP OVERFALLS FOR THE RELOCATION OF ALL DISPLAYS AND DECORATIVE FEATURES.
  - THE TRUNCATED DOMES MUST BE A CONTRASTING COLOR OF THE SIDEWALK.

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ADDENDUMS / REVISIONS

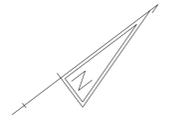


**LEWES HISTORICAL SOCIETY  
 PEDESTRIAN IMPROVEMENTS**

CONTRACT	BRIDGE NO.	-
T201220012	DESIGNED BY:	LCH
COUNTY	CHECKED BY:	JMH
SUSSEX		

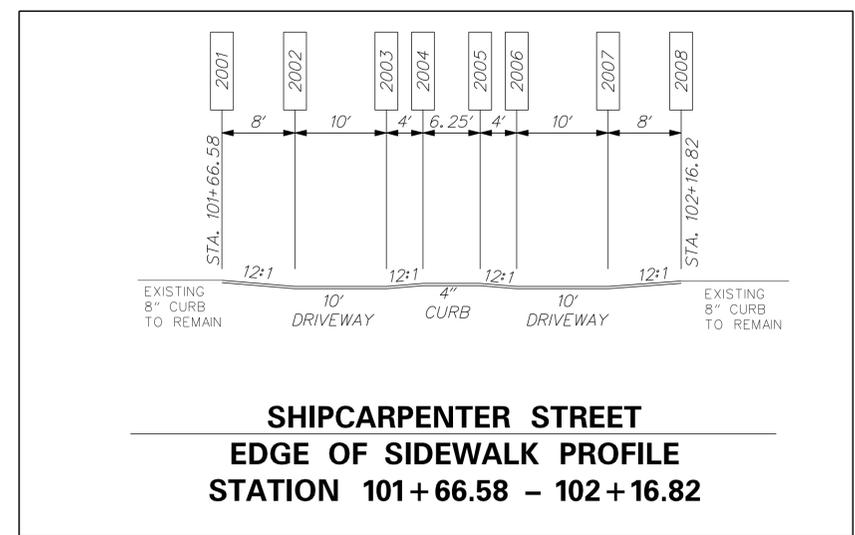
<b>CONSTRUCTION PLAN</b>	SHEET NO.	8
	TOTAL SHTS.	26





COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
2000	101+33.82	15.15	282980.4940	734368.8550
2001	101+66.58	13.41	283007.2975	734387.7616
2002	101+74.58	13.41	283013.5790	734392.7157
2003	101+84.58	13.41	283021.4308	734398.9084
2004	101+88.58	13.41	283024.5715	734401.3854
2005	101+94.82	13.41	283029.4766	734405.2540
2006	101+98.82	13.41	283032.6173	734407.7310
2007	102+08.82	13.41	283040.4691	734413.9237
2008	102+16.82	13.42	283046.7506	734418.8778
2009	102+71.90	13.44	283089.9935	734452.9831
2010	102+76.41	15.10	283092.5025	734457.0846
2011	102+92.96	21.13	283101.7720	734472.0704
2012	102+76.40	35.10	283080.1172	734472.7882
2013	102+72.37	-13.34	283106.9417	734432.2486
2014	102+81.86	-14.91	283115.3612	734436.8877
2015	102+81.83	21.91	283119.7511	734431.4353
2016	102+90.55	26.64	283129.4494	734433.0558
2017	102+90.60	-21.99	283126.6109	734436.7320
2018	102+80.16	13.77	283096.2809	734458.3598
2019	102+86.29	15.82	283099.8171	734463.7681
2020	102+80.37	-13.26	283113.1733	734437.2659
2021	102+88.81	-20.64	283124.3731	734436.6924
2022	102+88.23	25.19	283095.5408	734472.3244
2023	200+47.02	-20.11	283088.9615	734487.3581
2024	200+47.18	-15.12	283093.2633	734489.9066
2025	200+55.29	-15.41	283097.3689	734482.9064
2026	102+71.90	19.27	283086.3714	734457.5629
2027	102+66.69	-15.01	283103.5125	734427.4233

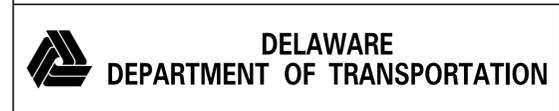
- NOTES:
- OFFSETS SHOWN IN THE GEOMETRIC TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION & R/W BASELINE.
  - UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB & GUTTER IS GIVEN TO THE EDGE OF PAVEMENT.
  - RADIARE GIVEN TO THE EDGE OF PAVEMENT.
  - PROPOSED CURBS OR PAVEMENT THAT TIE INTO EXISTING PAVEMENT OR CURB SHALL MATCH THE EXISTING PAVEMENT OR CURB ELEVATIONS.



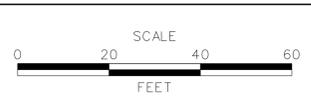
MATCHLINE STA. 103 + 08.42



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ADDENDUMS / REVISIONS	



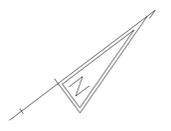
**LEWES HISTORICAL SOCIETY  
PEDESTRIAN IMPROVEMENTS**

CONTRACT T201220012	BRIDGE NO. -
COUNTY SUSSEX	DESIGNED BY: LCH
	CHECKED BY: JMH

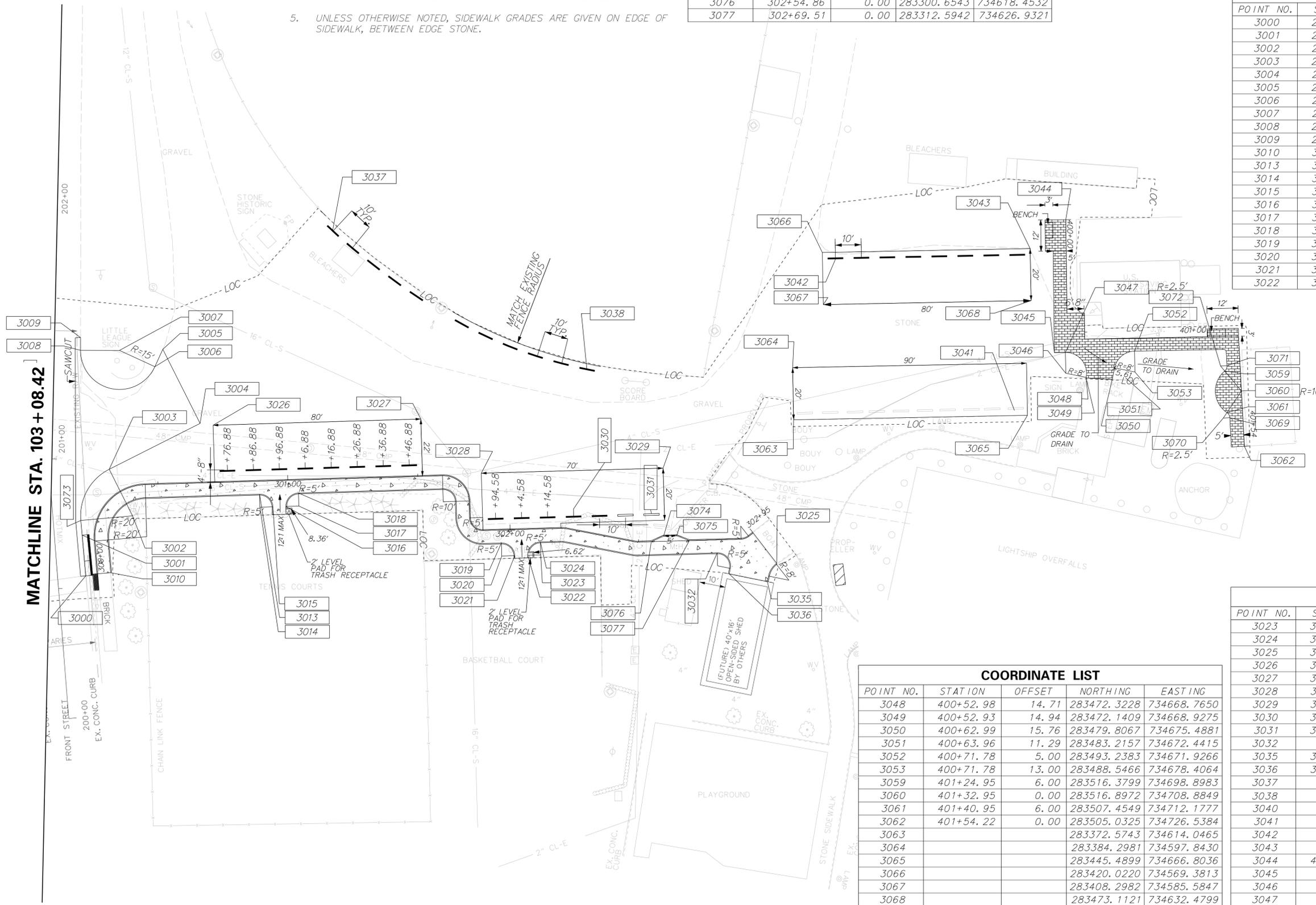
<b>GRADES AND GEOMETRICS</b>	SHEET NO. 10
	TOTAL SHTS. 26

- NOTES:
1. OFFSETS SHOWN IN THE GEOMETRIC TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION & R/W BASELINE.
  2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB & GUTTER IS GIVEN TO THE EDGE OF PAVEMENT.
  3. RADIARE GIVEN TO THE EDGE OF PAVEMENT.
  4. PROPOSED CURBS OR PAVEMENT THAT TIE INTO EXISTING PAVEMENT OR CURB SHALL MATCH THE EXISTING PAVEMENT OR CURB ELEVATIONS.
  5. UNLESS OTHERWISE NOTED, SIDEWALK GRADES ARE GIVEN ON EDGE OF SIDEWALK, BETWEEN EDGE STONE.

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
3069	401+42.95	0.00	283511.3191	734717.1846
3070	401+42.95	7.50	283505.0944	734713.0010
3071	401+22.95	5.00	283518.3255	734697.7962
3072	401+22.95	7.50	283516.2506	734696.4016
3073	200+75.45	10.62	283130.1467	734479.8701
3074	302+59.68	-2.00	283305.7439	734619.6145
3075	302+64.68	-2.00	283309.8205	734622.5095
3076	302+54.86	0.00	283300.6543	734618.4532
3077	302+69.51	0.00	283312.5942	734626.9321



COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
3000	200+54.08	10.84	283118.8639	734498.0188
3001	200+69.78	10.67	283127.1551	734484.6822
3002	200+75.65	30.62	283147.1319	734490.4296
3003	200+94.17	23.06	283150.6952	734470.7495
3004	201+13.59	58.25	238189.2120	734477.7233
3005	201+42.07	43.92	283194.8915	734446.3551
3006	201+35.39	40.86	283188.4308	734449.8495
3007	201+41.64	27.22	283181.2947	734436.6557
3008	201+41.67	12.22	283169.3278	734427.6118
3009	201+46.58	12.23	283172.2909	734423.6909
3010	300+00.00	0.00	283123.0448	734500.1288
3013	300+88.96	5.00	283191.1560	734513.1967
3014	300+88.96	10.00	283188.2691	734517.2791
3015	300+93.96	10.00	283192.3515	734520.1659
3016	300+98.96	10.00	283196.4339	734523.0528
3017	301+03.96	10.00	283200.5163	734525.9397
3018	301+03.96	5.00	283203.4031	734521.8573
3019	301+96.53	5.00	283254.2529	734584.1711
3020	301+96.53	10.00	283251.3579	734588.2478
3021	302+01.53	10.00	283255.4346	734591.1427
3022	302+06.53	10.00	283259.5112	734594.0377



COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
3048	400+52.98	14.71	283472.3228	734668.7650
3049	400+52.93	14.94	283472.1409	734668.9275
3050	400+62.99	15.76	283479.8067	734675.4881
3051	400+63.96	11.29	283483.2157	734672.4415
3052	400+71.78	5.00	283493.2383	734671.9266
3053	400+71.78	13.00	283488.5466	734678.4064
3059	401+24.95	6.00	283516.3799	734698.8983
3060	401+32.95	0.00	283516.8972	734708.8849
3061	401+40.95	6.00	283507.4549	734712.1777
3062	401+54.22	0.00	283505.0325	734726.5384
3063			283372.5743	734614.0465
3064			283384.2981	734597.8430
3065			283445.4899	734666.8036
3066			283420.0220	734569.3813
3067			283408.2982	734585.5847
3068			283473.1121	734632.4799

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
3023	302+11.53	10.00	283263.5879	734596.9327
3024	302+11.53	5.00	283266.4828	734592.8561
3025	302+94.73	14.79	283334.2081	734645.1499
3026	300+71.88	-22.00	283192.7979	734481.2890
3027	301+51.88	-22.00	283258.1163	734527.4789
3028	301+69.14	8.29	283264.1917	734558.1136
3029	302+60.20	-28.08	283321.2650	734598.6434
3030	302+23.48	-5.37	283282.7216	734592.5317
3031	302+55.23	-10.75	283307.1816	734609.9016
3032			283318.3462	734637.1493
3035	302+91.55	18.66	283327.1276	734657.6038
3036	302+84.50	13.21	283317.1709	734646.3849
3037			283274.2042	734449.5340
3038			283320.4661	734550.9677
3040			283377.7975	734615.3571
3041			283442.6114	734662.2523
3042			283422.5097	734574.4727
3043			283484.8359	734616.2765
3044	400+00.00	0.00	283502.4718	734615.6877
3045			283468.2591	734653.8409
3046			283466.9918	734662.8000
3047			283471.6834	734656.3202

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ADDENDUMS / REVISIONS	

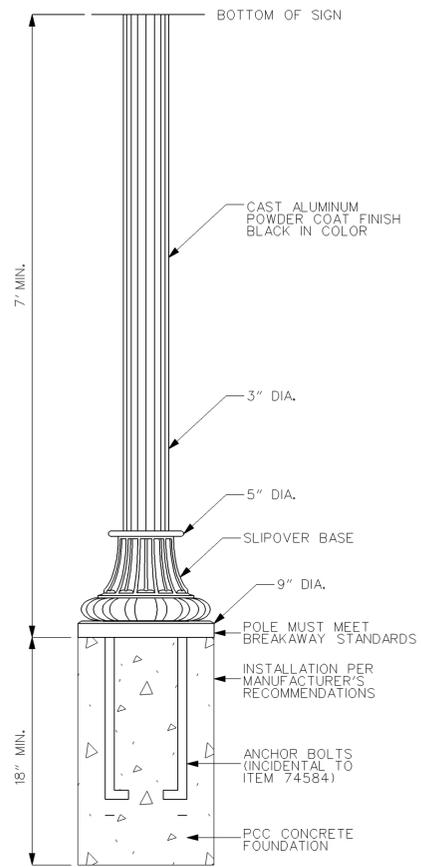


**LEWES HISTORICAL SOCIETY  
PEDESTRIAN IMPROVEMENTS**

CONTRACT T201220012	BRIDGE NO. -
COUNTY SUSSEX	DESIGNED BY: LCH
	CHECKED BY: JMH

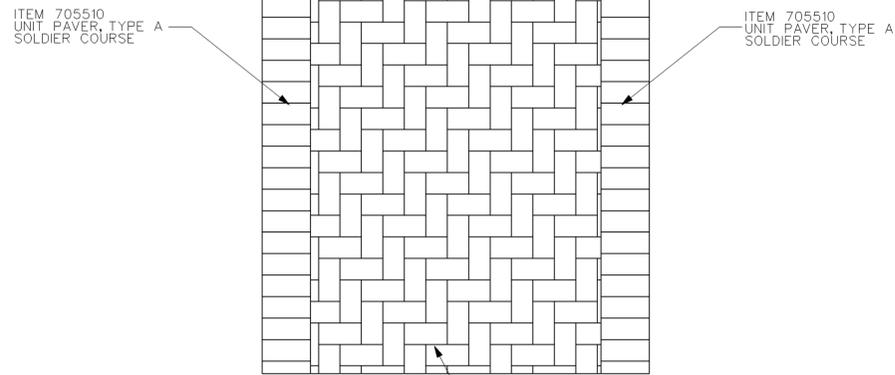
**GRADES AND GEOMETRICS**

SHEET NO. 11
TOTAL SHTS. 26

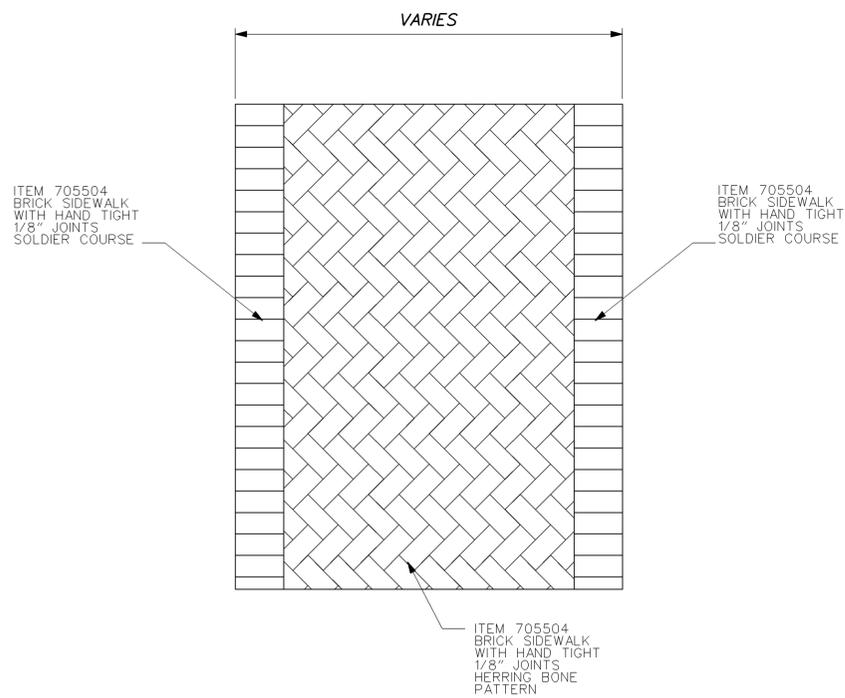


**DECORATIVE SIGN POST (ITEM 749584)**  
N.T.S.

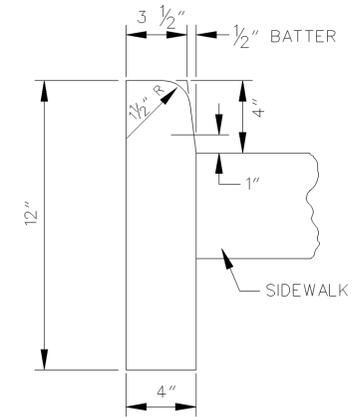
- NOTE:**
1. SIGNS AND SIGN MOUNTING HEIGHT MUST MEET DE MUTCD REQUIREMENTS.
  2. MATCH EXISTING DECORATIVE POSTS ON SHIPCARPENTER STREET. FINIAL SHALL BE ACORN STYLE.
  3. SIGNS AND HARDWARE TO MOUNT SIGNS SHALL BE INCLUDED IN THIS ITEM.



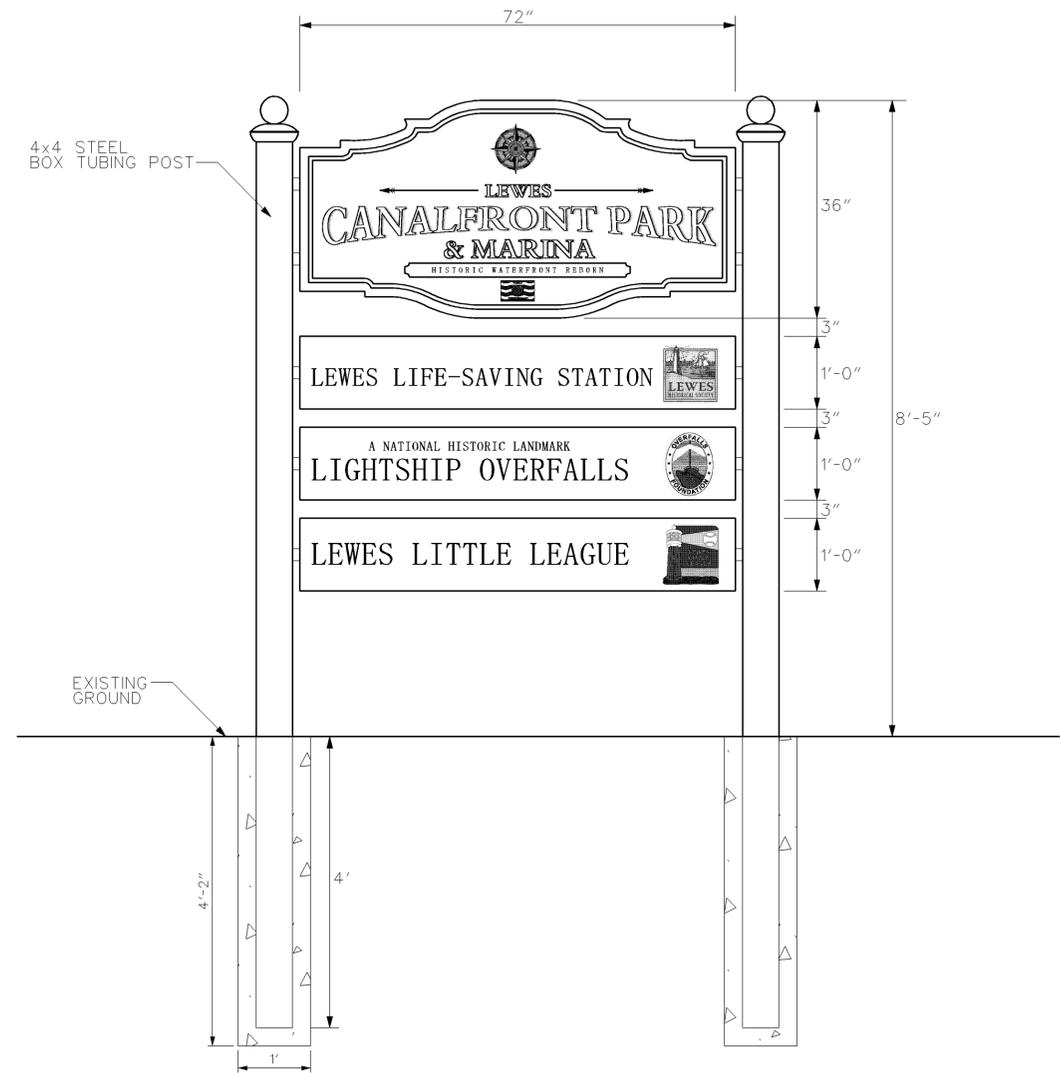
**TYPICAL BRICK SECTION CANALFRONT PARK PLAN VIEW**  
N.T.S.



**TYPICAL BRICK SECTION SHIPCARPENTER STREET PLAN VIEW**  
N.T.S.



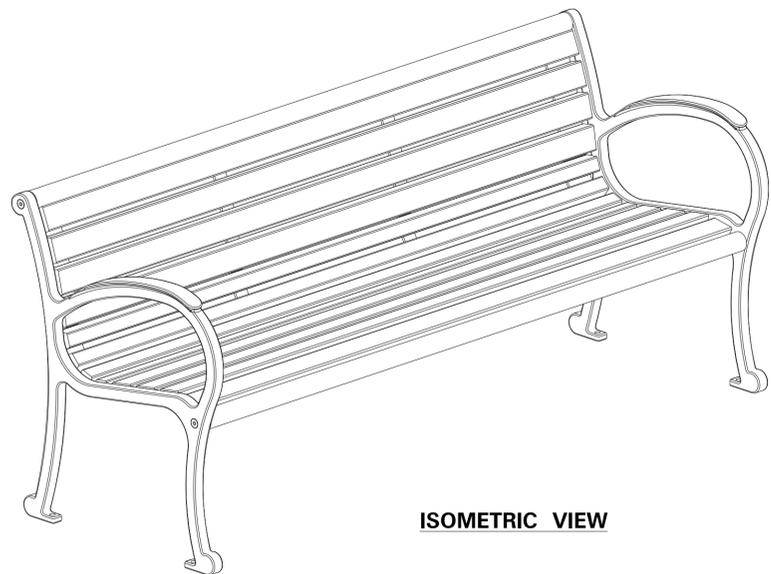
**P.C.C. CURB TYPE 1-4 MODIFIED**  
N.T.S.



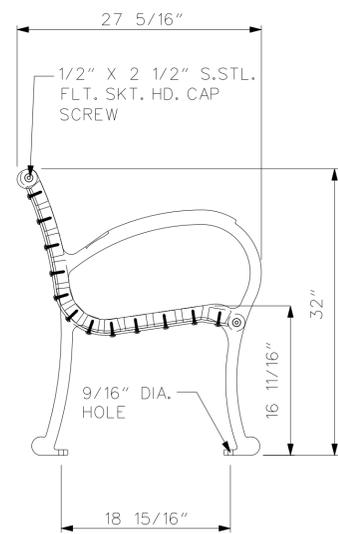
**CANALFRONT PARK SIGN (ITEM 763573)**  
N.T.S.

**NOTE:** SIGN TO MATCH COLOR AND STYLE OF OTHER TOWN SIGNS IN CANALFRONT PARK. SIGNS MUST COMPLY WITH CITY OF LEWES STANDARDS.

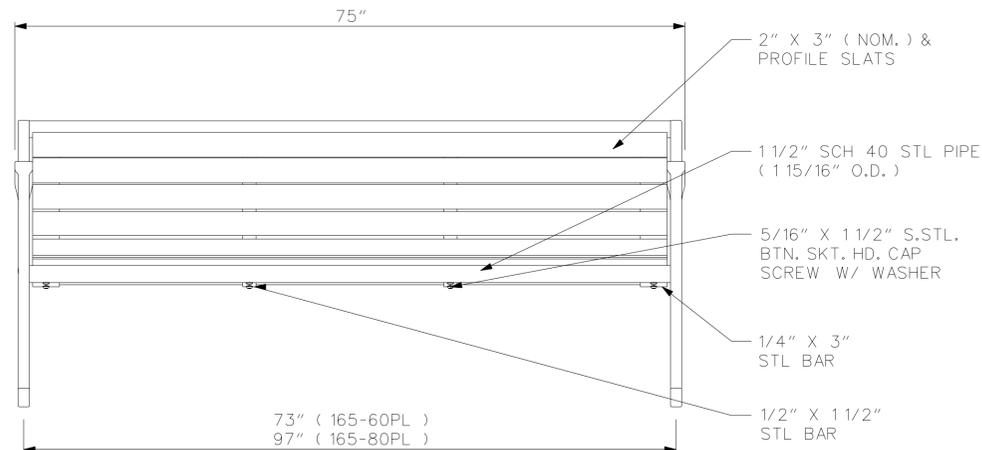
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**ISOMETRIC VIEW**



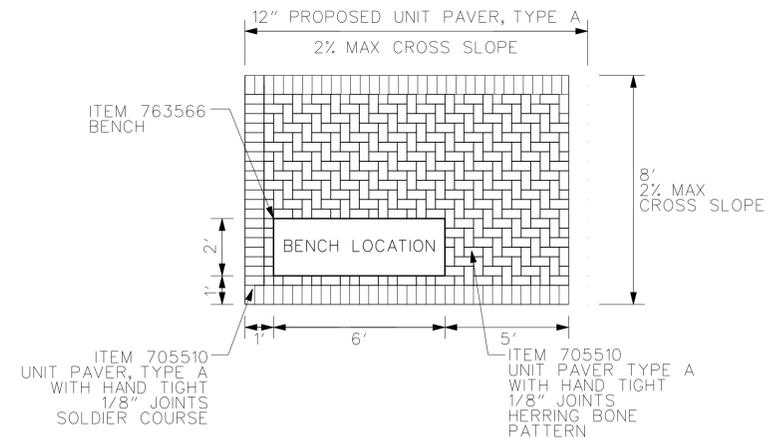
**SIDE VIEW**



**FRONT VIEW**

**BENCH (ITEM 763566)  
N.T.S.**

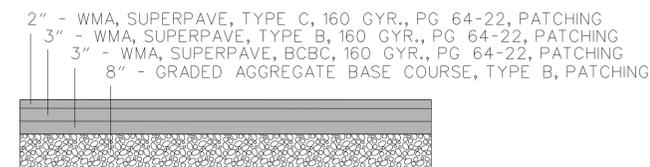
- NOTES:**
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. BENCHES WILL NOT BE MOUNTED
  2. ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING COLOR TO BE GREEN, MATCHING EXISTING BENCHES IN CANALFRONT PARK BY THE LIGHTSHIP OVERFALLS.
  3. SLAT COLOR SHALL BE CEDAR.



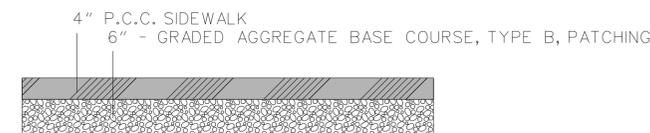
**BENCH LAYOUT - PLAN VIEW  
LIFE-SAVING STATION  
N.T.S.**



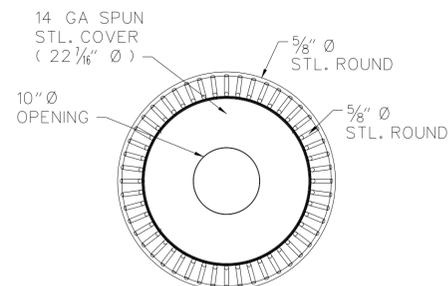
**GRAVEL PARKING LOT**



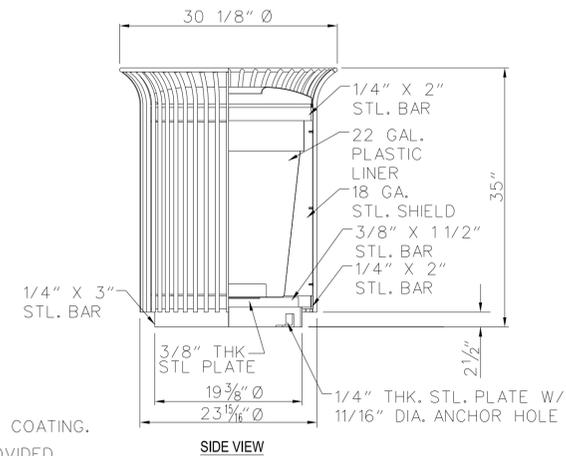
**FULL DEPTH PATCH**



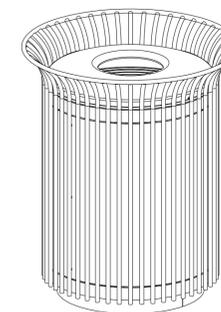
**P.C.C. CURB RAMP**



**PLAN VIEW**



**SIDE VIEW**



**ISOMETRIC**

- NOTES:**
1. ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
  2. 1.2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED.
  3. ALL WELDS CONT. THEN GROUND SMOOTH.

**TRASH RECEPTACLES (ITEM 763598)  
N.T.S.**

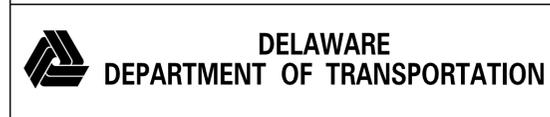
TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL MAINTAIN ACCESS TO AND ALONG PEDESTRIAN AND TRANSIT FACILITIES AT ALL TIMES DURING CONSTRUCTION. WHERE PEDESTRIAN ROUTES ARE CLOSED OR BLOCKED, ALTERNATE PEDESTRIAN ACCESS SHALL BE PROVIDED TO THE SATISFACTION OF THE ENGINEER AND SHALL MATCH THE EXISTING CONDITIONS. ACCEPTABLE PEDESTRIAN TRAVERSABLE MATERIALS FOR TEMPORARY PEDESTRIAN PATHS SHALL INCLUDE CONCRETE, HOT-MIX COMPACTED MILLINGS OR PLYWOOD WALKWAY STRUCTURE. TEMPORARY PEDESTRIAN PATHS SHALL BE INCIDENTAL TO ITEM 743000 UNLESS OTHERWISE SPECIFIED IN THE PLANS. THE CONTRACTOR MAY USE A CERTIFIED PEDESTRIAN FLAGGER TO ASSIST PEDESTRIANS TO PASS THROUGH THE WORK ZONE, WHEN REQUIRED.
2. LANE AND SHOULDER CLOSURES ON SHIPCARPENTER STREET AND FRONT STREET SHALL BE BETWEEN 9:00 AM AND 3:00 PM, MONDAY THROUGH FRIDAY, OR AS DIRECTED BY THE ENGINEER. LANE CLOSURES ARE ONLY PERMITTED BETWEEN OCTOBER 1ST AND APRIL 30TH. THERE SHALL BE NO LANE CLOSURES BETWEEN MAY 1ST AND SEPTEMBER 30TH.
3. TYPICAL APPLICATIONS PER THE DELAWARE MUTCD SHALL BE INCORPORATED TO ACHIEVE REQUIRED TEMPORARY TRAFFIC CONTROL AND SAFETY REQUIREMENTS. THIS PROJECT IS SUBJECT TO THE FOLLOWING TYPICAL APPLICATIONS UNLESS DIRECTED OTHERWISE BY THE DELDOT DISTRICT SAFETY OFFICER: TYPICAL APPLICATION 3, 6,10, 28 & 29.
4. CONTRACTOR SHALL COORDINATE ALL SPECIAL EVENTS WITH THE HISTORICAL SOCIETY, CITY OF LEWES, LEWES LITTLE LEAGUE, LIGHTSHIP OVERFALLS AND THE CITY OF LEWES PARKS AND RECREATION, LOCAL EMS AND DELDOT PRIOR TO CONSTRUCTION.
5. DELDOT TRAFFIC RESERVES THE RIGHT TO MODIFY THE TRAFFIC CONTROL AS FIELD CONDITIONS DICTATE.
6. CONTRACTOR SHALL UTILIZE TEMPORARY CURB RAMPS WHEN DIRECTED BY THE ENGINEER.

PROJECT NOTES FOR SEDIMENT AND STORMWATER MANAGEMENT

1. DUST CONTROL  
DUST IS TO BE CONTROLLED EXCLUSIVELY THROUGH THE USE OF WATER. COSTS ASSOCIATED WITH THE FURNISHING AND APPLICATION OF WATER FOR DUST CONTROL SHALL BE INCIDENTAL TO ALL THE CONTRACT ITEMS.
2. REVIEW AND OR APPROVAL OF THE SEDIMENT AND STORMWATER MANAGEMENT PLAN SHALL NOT RELIEVE THE CONTRACTOR FROM HIS OR HER RESPONSIBILITIES FOR COMPLIANCE WITH THE REQUIREMENTS OF THE SEDIMENT AND STORMWATER REGULATIONS, NOR SHALL IT RELIEVE THE CONTRACTOR FROM THE ERRORS OR OMISSIONS IN THE APPROVED PLAN.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REPAIR OF ALL EROSION AND SEDIMENT CONTROLS, AND STORMWATER MANAGEMENT PRACTICES DURING THE PROJECT.
4. EROSION CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS OR AS DIRECTED BY ENGINEER IN THE FIELD.
5. STAGING AREAS  
PROPER EROSION AND SEDIMENT CONTROL MEASURES AS DETERMINED BY THE ENGINEER SHALL BE INSTALLED IN ALL STAGING AREAS, AT COMPLETION OF THE PROJECT. STAGING AREAS THAT ARE PAVED SHALL BE RESTORED TO ITS ORIGINAL CONDITION. IF UNPAVED, STAGING AREAS SHALL BE REGRADED TO THE SATISFACTION OF THE ENGINEER, TOPSOILED SEEDED, AND MULCHED IN ACCORDANCE WITH DELDOT STANDARD SPECIFICATIONS SECTIONS 732, 734, AND 735 FOR TOPSOIL, SEED AND MULCH RESPECTIVELY. SEED SHALL ADHERE TO THE SPECIFICATIONS FOR PERMANENT GRASS SEEDING - DRY GROUND. ALL COSTS ASSOCIATED TO THE ABOVE ITEMS 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 RE-ESTABLISHING A SATISFACTORY STAND OF GRASS SHALL ALSO BE AT THE CONTRACTOR'S EXPENSE.
6. THE CONTRACTOR SHALL NOT ESTABLISH STOCKPILES WITHIN PROJECT LIMITS. ALL MATERIAL MUST BE HAULED OFF-SITE FOR STORAGE OR DISPOSAL.

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ADDENDUMS / REVISIONS

NOT TO SCALE

**LEWES HISTORICAL SOCIETY  
PEDESTRIAN IMPROVEMENTS**

CONTRACT	BRIDGE NO.	-
T201220012	DESIGNED BY: LCH	
COUNTY	CHECKED BY: JMH	
SUSSEX		

**CONSTRUCTION PHASING,  
M.O.T. AND EROSION  
CONTROL NOTES**

SHEET NO.	14
TOTAL SHTS.	26

# ADVANCED WARNING SIGNS

\*NOTE: THE CONTRACTOR SHALL LAYOUT SIGNS FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION. ALL SPEED REDUCTION SIGNS SHALL BE PAID UNDER ITEM NO. 743024. THE COVERING OF ANY CONFLICTING SIGNS SHALL BE INCIDENTAL TO ITEM NO. 743024. ALL SIGNS PAID UNDER ITEM NO. 743024.

ALL PERMANENT ADVANCE WARNING SIGNS SHALL BE GROUND MOUNTED ON TWO NCHRP-350 OR MASH APPROVED BREAK-AWAY POSTS AND SHALL BE MOUNTED IN COMPLIANCE WITH THE DE MUTCD. PERMANENT ADVANCE WARNING SIGNS SHALL BE MOUNTED AT A HEIGHT OF 7 FEET, MEASURED FROM THE ROADWAY TO THE BOTTOM OF THE SIGN. THE USE OF SKID MOUNTED SIGN SUPPORTS IS NOT ALLOWED UNLESS THE CONTRACTOR CAN DEMONSTRATE THAT A UTILITY CONFLICT EXISTS, WHICH SHALL BE VERIFIED BY THE ENGINEER; OR CONCRETE MEDIANS PREVENT THE INSTALLATION OF THE PERMANENT SIGNS IN THE APPROPRIATE LOCATION. ALL ADVANCED WARNING SIGNS SHALL NOT IMPACT PEDESTRIAN, BICYCLE AND/OR TRANSIT FACILITIES.

### CONSTRUCTION ZONE WARNING SIGNS

#### \* DISTANCE LEGEND

LETTER	DISTANCE
A	500 FT
B	1000 FT
C	1500 FT
D	1/2 MILE
E	AHEAD
F	BOTH SHOULDERS CLOSED

END ROAD WORK

G20-2  
36" X 24"



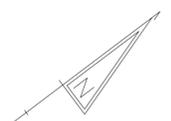
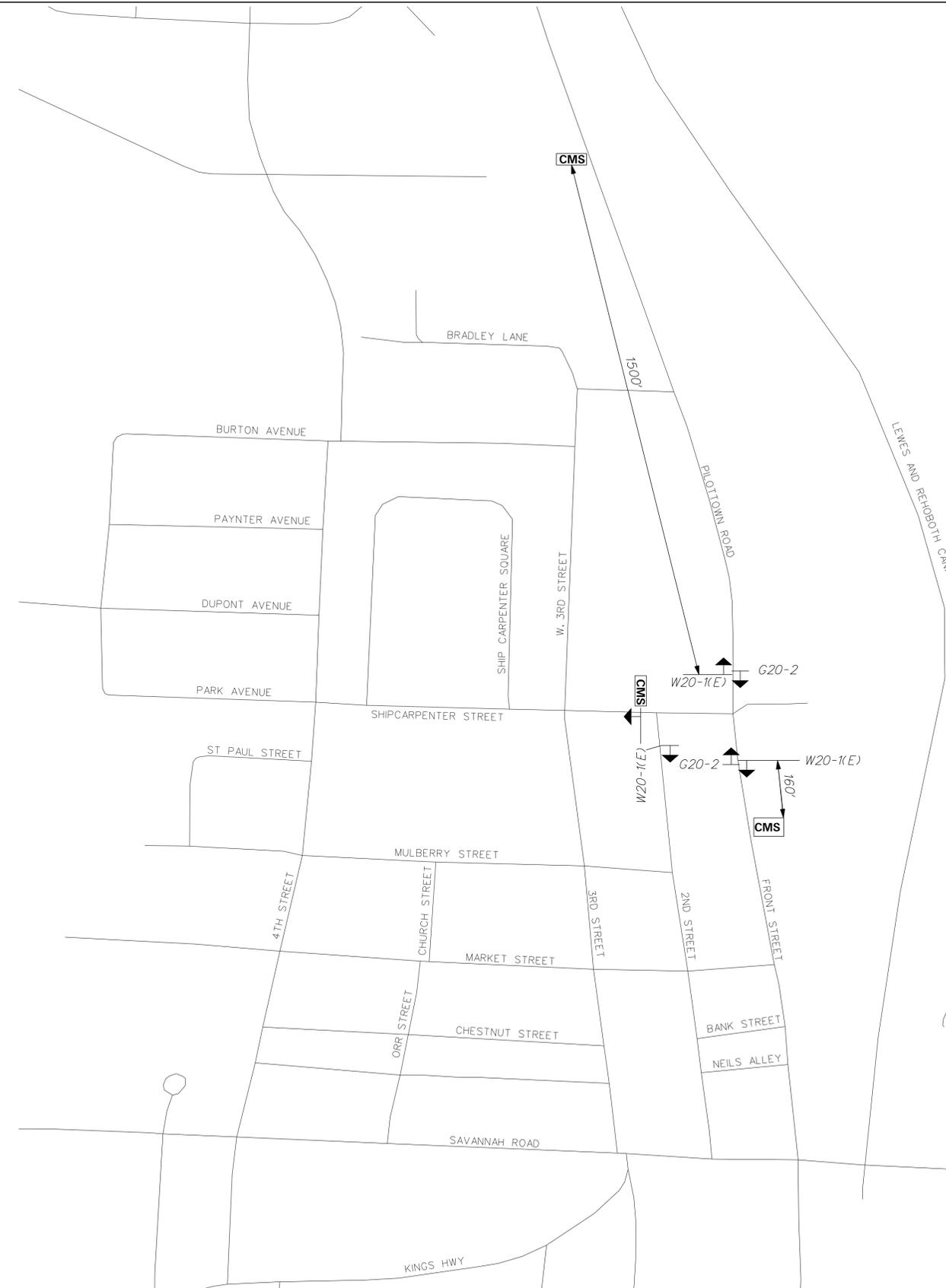
W20-1  
48" X 48"

\* NOTE: ALL PERMANENT WARNING SIGNS PAID UNDER ITEM NO. 743024.

CMS CHANGEABLE MESSAGE BOARD LOCATION

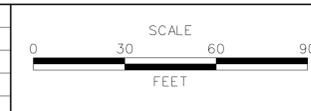
<b>ROAD WORK</b>	<b>TO START XX/XX/XX</b>	<b>10 DAYS PRIOR TO START OF CONSTRUCTION</b>
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<b>ROAD WORK AHEAD</b>	<b>EXPECT DELAYS</b>	<b>REMOVE 5 DAYS AFTER START OF CONSTRUCTION</b>
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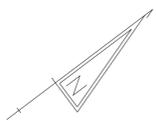
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ADDENDUMS / REVISIONS	



CONTRACT	BRIDGE NO.	-
T201220012	DESIGNED BY:	LCH
COUNTY	CHECKED BY:	JMH
SUSSEX		

SHEET NO.	15
TOTAL SHTS.	26



CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	INLET SEDIMENT CONTROL
	SILT FENCE



MATCHLINE STA. 103 + 08.42

**PHASE I  
SEQUENCE OF CONSTRUCTION**

**SHIPCARPENTER STREET**

THE CONTRACTOR SHALL COMPLETE ALL WORK IN THE FOLLOWING SEQUENCE. ALL WORK SHALL BE COMPLETED IN A PHASE BEFORE STARTING WORK IN A SUBSEQUENT PHASE UNLESS OTHERWISE APPROVED BY THE ENGINEER. ALL DISTURBED AREAS IN A PHASE SHALL BE STABILIZED AS DIRECTED BY THE ENGINEER BEFORE BEGINNING WORK IN THE NEXT PHASE.

1. USING TA-3, TA-6, TA-10, TA-28 AND TA-29 OF THE TRAFFIC CONTROL MANUAL, PLACE ALL TRAFFIC CONTROL DEVICES ALONG SHIPCARPENTER STREET FOR THE CONSTRUCTION PHASING PLANS. INSTALL TEMPORARY PARKING RESTRICTIONS AS NECESSARY.
2. INSTALL INLET SEDIMENT CONTROL MEASURES AS SHOWN ON THE PLANS USING TA-3, TA-6, TA-10, TA-28 AND/OR TA-29. INSTALL REMAINING EROSION AND SEDIMENT CONTROL ITEMS.
3. CONSTRUCT THE CURB RAMP AT STATION 102+80 LT. ON SHIPCARPENTER STREET.
4. CONSTRUCT THE CURB RAMP AT STATION 102+80 RT ON SHIPCARPENTER STREET.
5. CONSTRUCT BRICK SIDEWALK, CURB AND INSTALL ALL ITEMS WITHIN THIS PHASE OF CONSTRUCTION.
6. STABILIZE WORK AREAS AROUND INSTALLED SIDEWALK.

CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES DURING THIS PHASE OF CONSTRUCTION. COSTS ASSOCIATED WITH MAINTAINING ENTRANCES ARE INCIDENTAL TO THE CONTRACT.

WHEN WORKING ON THE CURB RAMPS CONTRACTOR SHALL USE CERTIFIED PEDESTRIAN FLAGGERS TO ASSIST PEDESTRIANS.

WORK IMPACTING THE CURB RAMPS LOCATED IN THE NORTHWEST, SOUTHWEST, AND SOUTHEAST CORNERS AT THE INTERSECTION OF PILOTTOWN ROAD/FRONT ST AND SHIPCARPENTER ST SHALL NOT OCCUR SIMULTANEOUSLY.

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ADDENDUMS / REVISIONS	

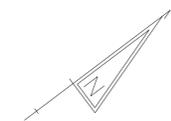


**LEWES HISTORICAL SOCIETY  
PEDESTRIAN IMPROVEMENTS**

CONTRACT	BRIDGE NO.	-
T201220012	DESIGNED BY:	LCH
COUNTY	CHECKED BY:	JMH
SUSSEX		

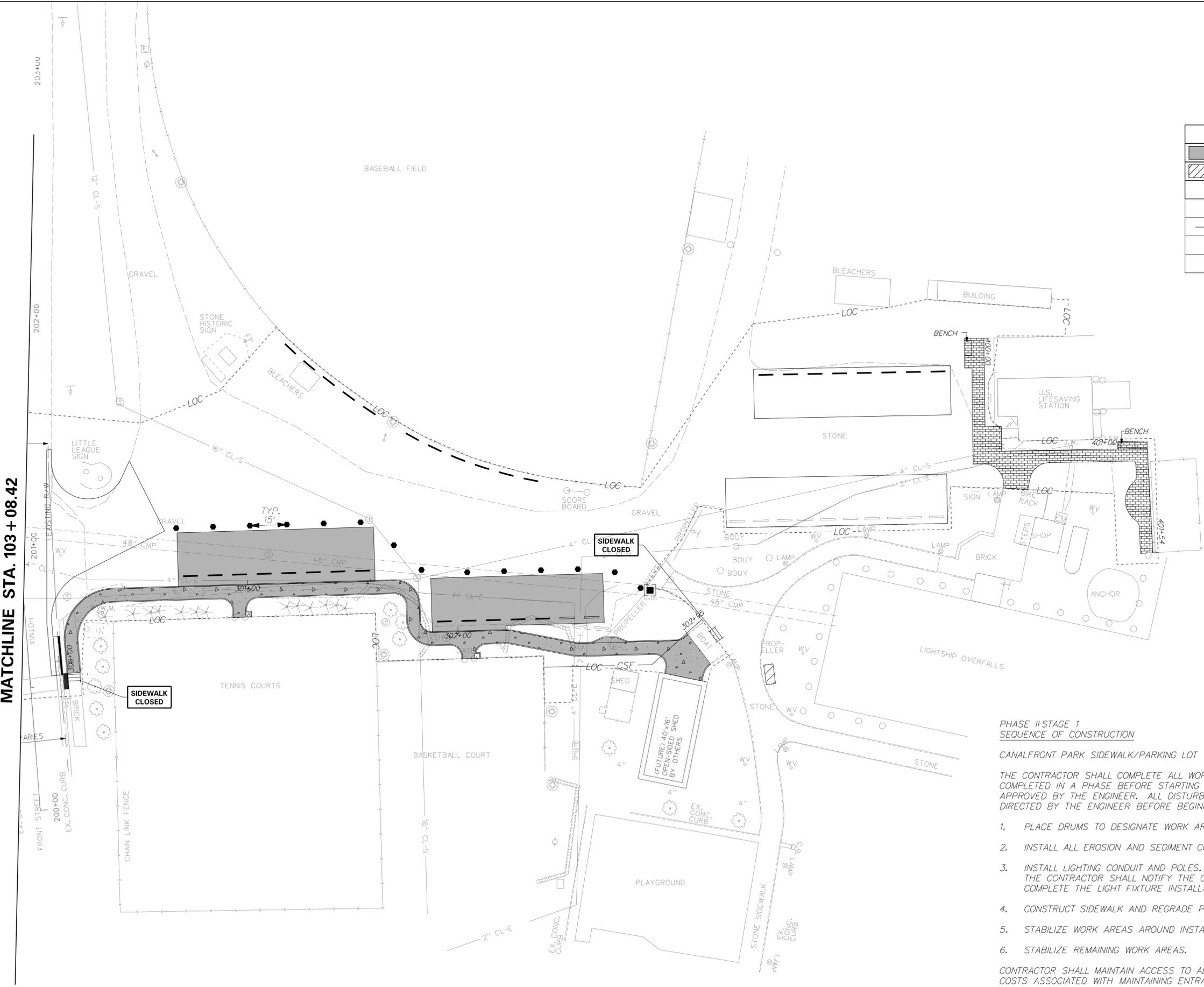
**CONSTRUCTION PHASING,  
MOT AND EROSION  
CONTROL PLANS  
PHASE I**

SHEET NO.	16
TOTAL SHTS.	26



CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	INLET SEDIMENT CONTROL
	SILT FENCE
	TYPE 3 BARRIER
	PLASTIC DRUM

MATCHLINE STA. 103 + 08.42



**PHASE II STAGE 1  
SEQUENCE OF CONSTRUCTION**

**CANALFRONT PARK SIDEWALK/PARKING LOT**

THE CONTRACTOR SHALL COMPLETE ALL WORK IN THE FOLLOWING SEQUENCE. ALL WORK SHALL BE COMPLETED IN A PHASE BEFORE STARTING WORK IN A SUBSEQUENT PHASE UNLESS OTHERWISE APPROVED BY THE ENGINEER. ALL DISTURBED AREAS IN A PHASE SHALL BE STABILIZED AS DIRECTED BY THE ENGINEER BEFORE BEGINNING WORK IN THE NEXT PHASE.

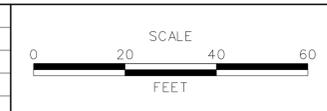
1. PLACE DRUMS TO DESIGNATE WORK AREA NECESSARY TO CONSTRUCT THIS STAGE.
2. INSTALL ALL EROSION AND SEDIMENT CONTROL ITEMS SHOWN IN THIS STAGE OF CONSTRUCTION.
3. INSTALL LIGHTING CONDUIT AND POLES. AFTER THE CONDUIT AND POLES ARE IN-PLACE, THE CONTRACTOR SHALL NOTIFY THE CITY OF LEWES SO THAT THEIR CONTRACTOR MAY COMPLETE THE LIGHT FIXTURE INSTALLATION AND WIRING CONNECTIONS.
4. CONSTRUCT SIDEWALK AND REGRADE PARKING LOT WITHIN THIS STAGE OF CONSTRUCTION.
5. STABILIZE WORK AREAS AROUND INSTALLED SIDEWALK.
6. STABILIZE REMAINING WORK AREAS.

CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES DURING THIS PHASE OF CONSTRUCTION. COSTS ASSOCIATED WITH MAINTAINING ENTRANCES ARE INCIDENTAL TO THE CONTRACT.

5/22/2014 11:50:19.00 G:\PROJECTS\115019.00 (DeDOT Agrmt.1595 TEP)\115019.18 (Task 17\_Lewes Ped Improvements)\CADD FILES\as02\_Lewes.dgn 11:26:35 AM



ADDENDUMS / REVISIONS

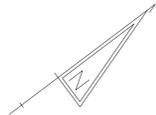


**LEWES HISTORICAL SOCIETY  
PEDESTRIAN IMPROVEMENTS**

CONTRACT	BRIDGE NO.	-
T201220012	DESIGNED BY:	LCH
COUNTY	CHECKED BY:	JMH
SUSSEX		

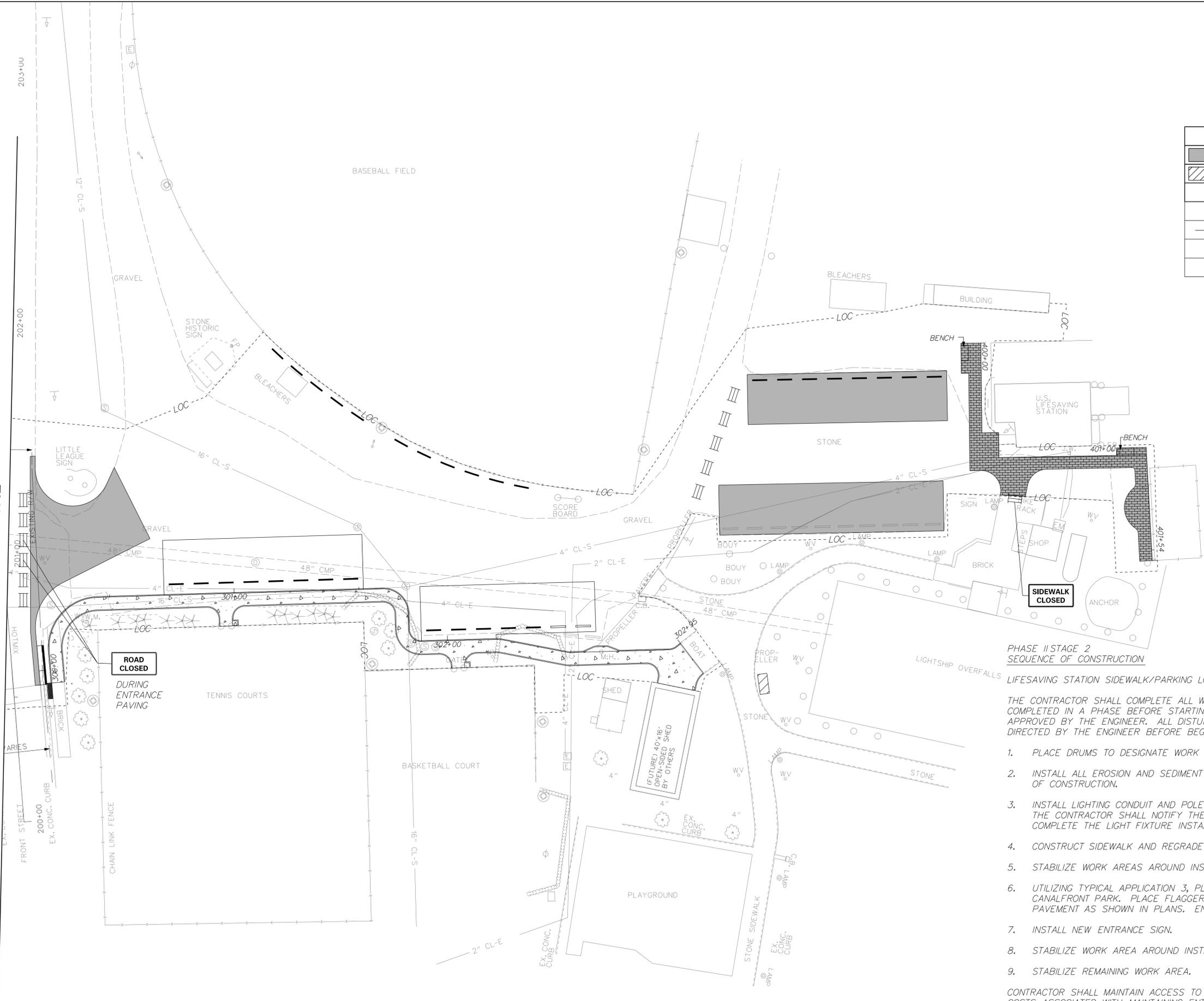
**CONSTRUCTION PHASING,  
MOT AND EROSION  
CONTROL PLANS  
PHASE II**

SHEET NO.	17
TOTAL SHTS.	26



CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	INLET SEDIMENT CONTROL
	SILT FENCE
	TYPE 3 BARRIER
	PLASTIC DRUM

MATCHLINE STA. 103 + 08.42



**PHASE II STAGE 2 SEQUENCE OF CONSTRUCTION**  
 LIFESAVING STATION SIDEWALK/PARKING LOT AND LITTLE LEAGUE PARKING LOT

THE CONTRACTOR SHALL COMPLETE ALL WORK IN THE FOLLOWING SEQUENCE. ALL WORK SHALL BE COMPLETED IN A PHASE BEFORE STARTING WORK IN A SUBSEQUENT PHASE UNLESS OTHERWISE APPROVED BY THE ENGINEER. ALL DISTURBED AREAS IN A PHASE SHALL BE STABILIZED AS DIRECTED BY THE ENGINEER BEFORE BEGINNING WORK IN THE NEXT PHASE.

1. PLACE DRUMS TO DESIGNATE WORK AREA NEAR LIFE SAVING STATION.
2. INSTALL ALL EROSION AND SEDIMENT CONTROL ITEMS SHOWN IN THIS STAGE OF CONSTRUCTION.
3. INSTALL LIGHTING CONDUIT AND POLES. AFTER THE CONDUIT AND POLES ARE IN-PLACE, THE CONTRACTOR SHALL NOTIFY THE CITY OF LEWES SO THAT THEIR CONTRACTOR MAY COMPLETE THE LIGHT FIXTURE INSTALLATION AND WIRING CONNECTIONS.
4. CONSTRUCT SIDEWALK AND REGRADE PARKING LOT WITHIN THIS LIFESAVING STATION AREA.
5. STABILIZE WORK AREAS AROUND INSTALLED SIDEWALK.
6. UTILIZING TYPICAL APPLICATION 3, PLACE BARRIERS TO CLOSE THE ENTRANCE TO THE CANALFRONT PARK. PLACE FLAGGERS AT ENTRANCE. CONSTRUCT FULL DEPTH ENTRANCE PAVEMENT AS SHOWN IN PLANS. ENTRANCE WORK SHALL BE COMPLETE WITHIN ONE DAY.
7. INSTALL NEW ENTRANCE SIGN.
8. STABILIZE WORK AREA AROUND INSTALLED SIGN AND ENTRANCE.
9. STABILIZE REMAINING WORK AREA.

CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES DURING THIS PHASE OF CONSTRUCTION. COSTS ASSOCIATED WITH MAINTAINING ENTRANCES ARE INCIDENTAL TO THE CONTRACT.

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ADDENDUMS / REVISIONS



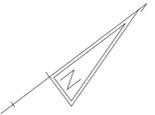
**LEWES HISTORICAL SOCIETY  
 PEDESTRIAN IMPROVEMENTS**

CONTRACT	BRIDGE NO.	-
T201220012	DESIGNED BY:	LCH
COUNTY	CHECKED BY:	JMH
SUSSEX		

**CONSTRUCTION PHASING,  
 MOT AND EROSION  
 CONTROL PLANS  
 PHASE II**

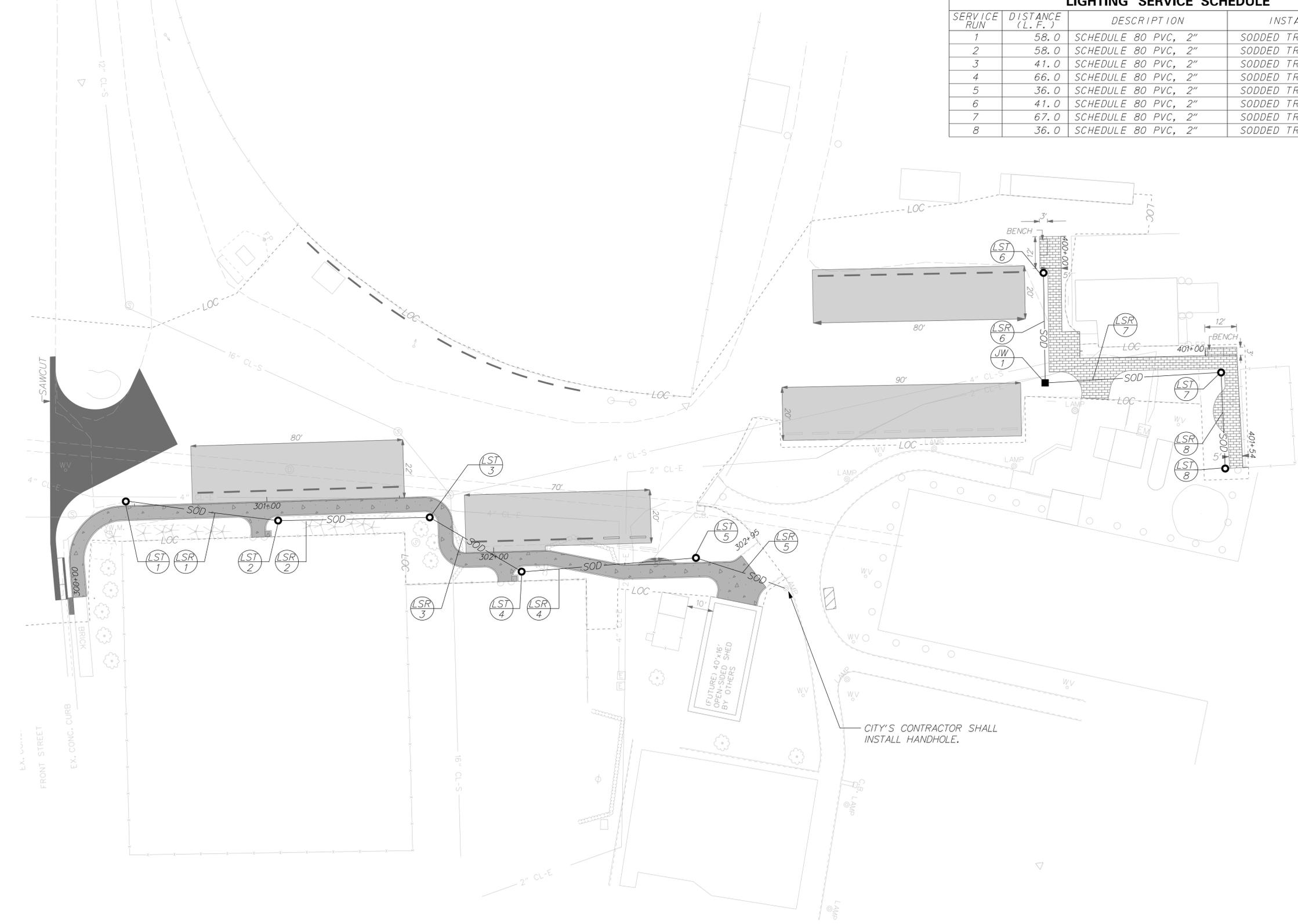
SHEET NO.	18
TOTAL SHTS.	26

- NOTES:
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE LIGHT POLES AND THE CONDUIT AS SHOWN ON THE LIGHTING PLANS. THE CITY OF LEWES WILL INSTALL ALL LIGHT FIXTURES, WIRING, AND SERVICE CONNECTIONS.
  2. THE CONTRACTOR SHALL PROVIDE THE CITY OF LEWES WITH AS-BUILT LOCATIONS OF THE LIGHTING CONDUIT.



LIGHTING SERVICE SCHEDULE			
SERVICE RUN	DISTANCE (L. F.)	DESCRIPTION	INSTALLATION
1	58.0	SCHEDULE 80 PVC, 2"	SODDED TRENCH
2	58.0	SCHEDULE 80 PVC, 2"	SODDED TRENCH
3	41.0	SCHEDULE 80 PVC, 2"	SODDED TRENCH
4	66.0	SCHEDULE 80 PVC, 2"	SODDED TRENCH
5	36.0	SCHEDULE 80 PVC, 2"	SODDED TRENCH
6	41.0	SCHEDULE 80 PVC, 2"	SODDED TRENCH
7	67.0	SCHEDULE 80 PVC, 2"	SODDED TRENCH
8	36.0	SCHEDULE 80 PVC, 2"	SODDED TRENCH

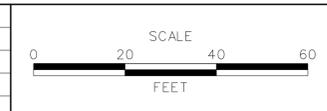
LIGHTING SCHEDULE		
NO.	STATION	OFFSET
1	300+47.00	-1.67
2	301+04.00	6.67
3	301+66.00	6.67
4	302+10.00	6.67
5	302+77.00	-1.67
6	400+14.00	6.67
7	401+05.50	6.67
8	401+54.22	6.67



LEGEND	
	LIGHTING STANDARD IDENTIFIER
	LIGHTING SERVICE IDENTIFIER
	EXISTING LIGHTING FACILITIES
	PROPOSED LIGHTING FACILITIES
	SCHEDULE 80 PVC CONDUIT IN SODDED TRENCH (2")

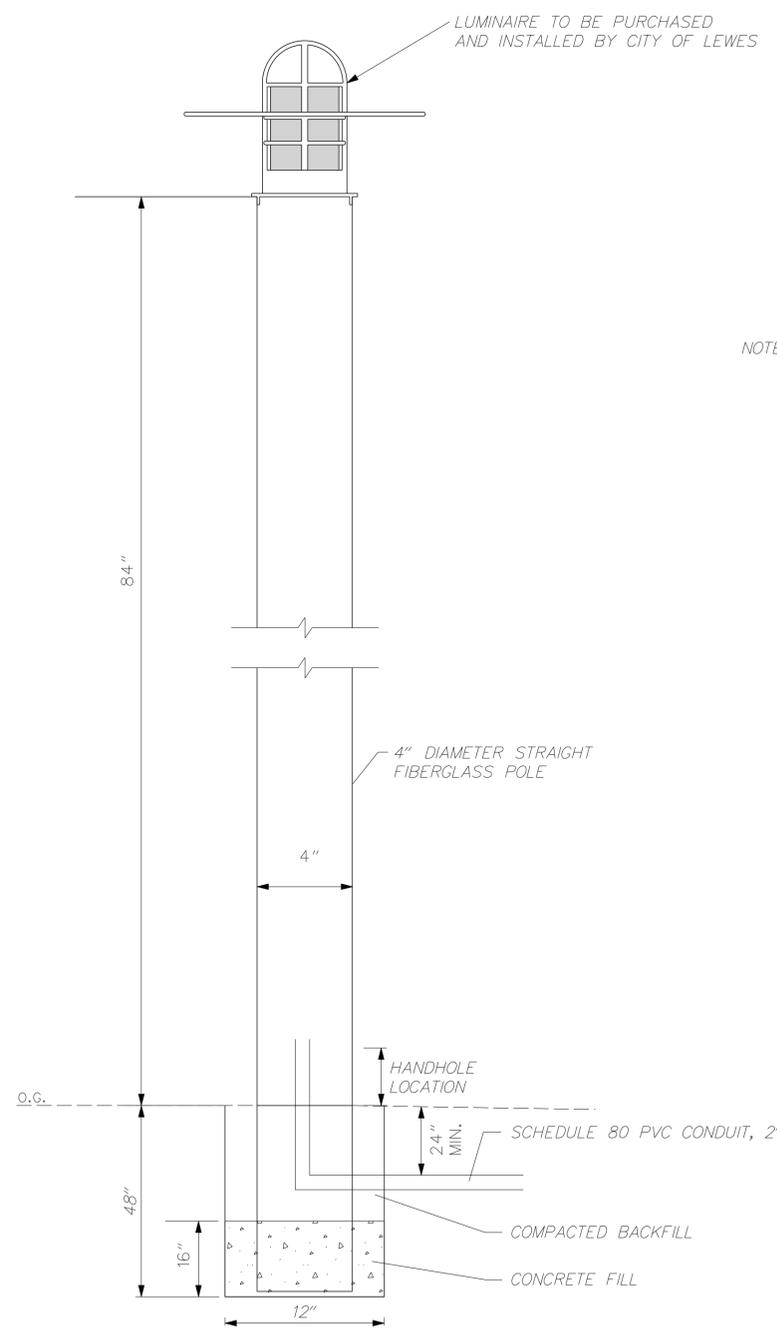
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ADDENDUMS / REVISIONS



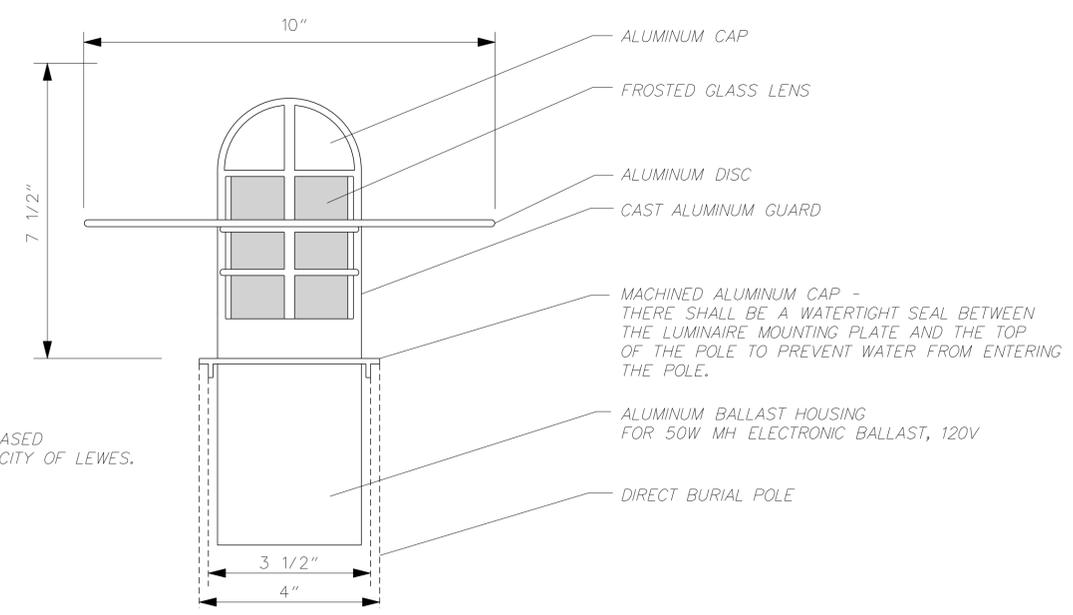
CONTRACT	BRIDGE NO.	-
T201220012	DESIGNED BY:	LCH
COUNTY	CHECKED BY:	JMH
SUSSEX		

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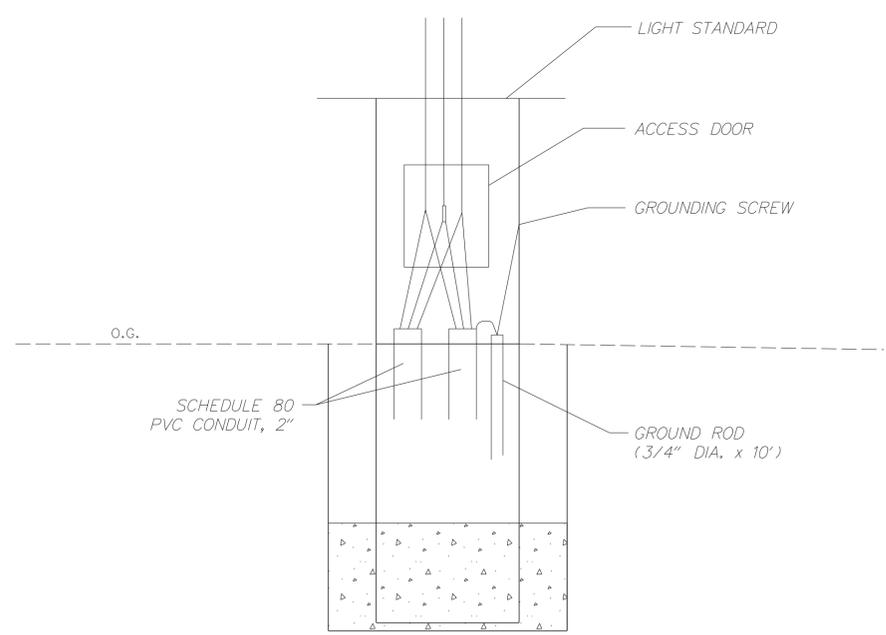


**LUMINAIRE WITH FIBERGLASS POST**

NOTE: LUMINAIRE TO BE PURCHASED AND INSTALLED BY THE CITY OF LEWES.



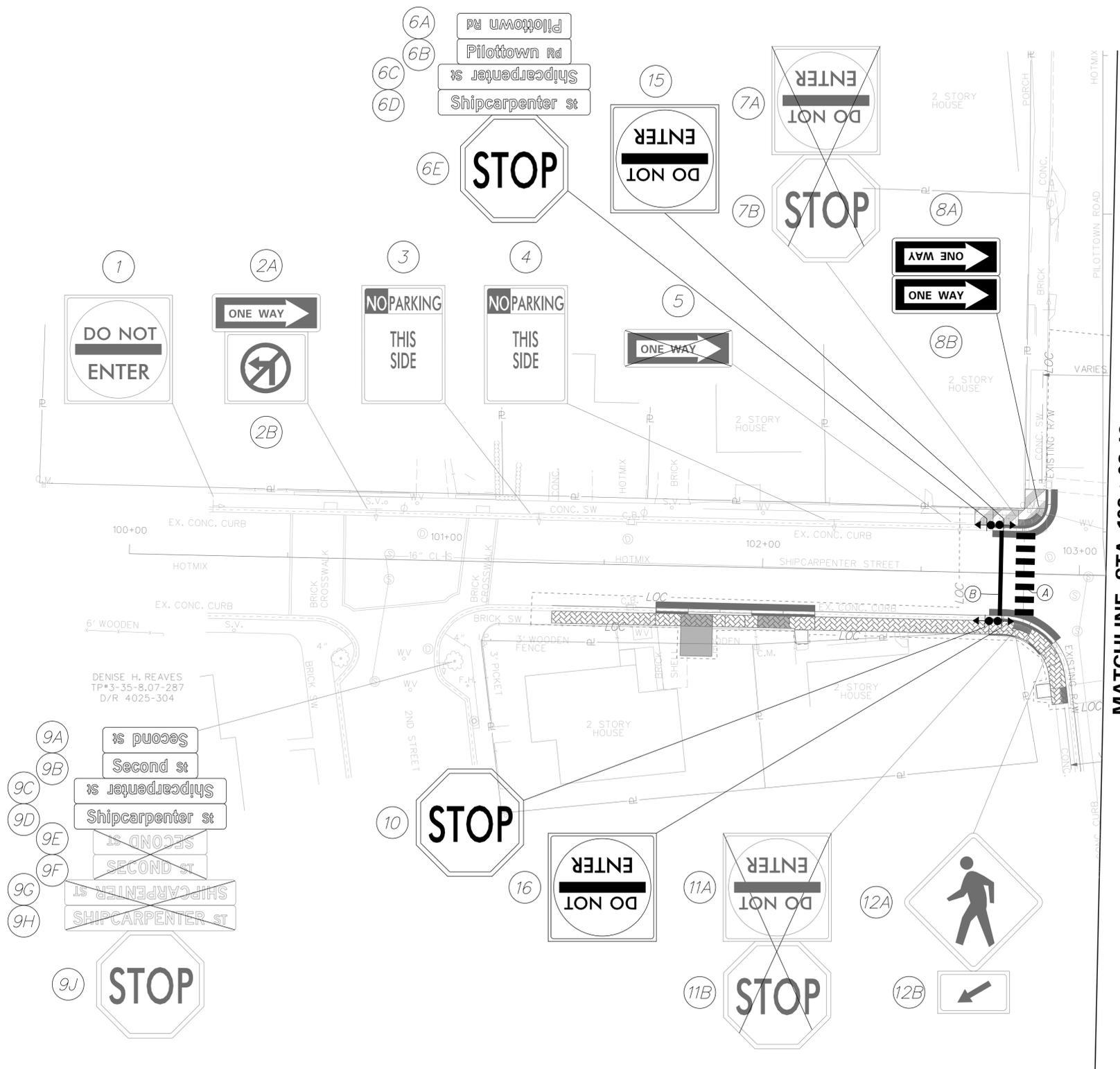
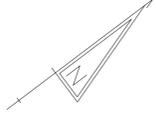
**LUMINAIRE DETAILS**



**TYPICAL LUMINAIRE CONNECTION**

**NOTES:**

1. THE STANDARDS SPECIFICATIONS FOR THIS PROJECT ARE DELDOT AND THE CITY OF LEWES SPECIFICATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE LIGHT POLES AND THE CONDUIT AS SHOWN ON THE LIGHTING PLANS. THE CITY OF LEWES WILL INSTALL ALL LUMINAIRES, WIRING, AND SERVICE CONNECTIONS.
3. THE POLE SHALL INCLUDE A 4" O.D. STRAIGHT, NON-TAPERED REINFORCED FIBERGLASS SHAFT, FLUSH HAND HOLE AND BELOW GRADE CONDUIT FEED OPENINGS.
4. THE FINISH COLOR SHALL MATCH THE EXISTING LIGHTING IN CANALFRONT PARK BY THE LIGHTSHIP OVERFALLS OR AS DIRECTED BY THE ENGINEER.
5. DURING CONSTRUCTION, ALL ELECTRICAL SYSTEMS, INCLUDING WIRES AND CONNECTIONS TO BE PROTECTED IN A MANNER THAT ENSURES THE SAFETY OF WORKERS AND THE GENERAL PUBLIC.
6. LUMINAIRE MATRIX SHALL CONSIST OF 50W MH, 120V, AND TOTAL HEIGHT OF THE ASSEMBLY SHALL BE 11 FEET (7 FEET ABOVE GROUND AND 4 FEET BELOW GRADE).



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- NOTES:**
- INSTALL SIGNS ON DECORATIVE POST. SEE CONSTRUCTION DETAILS
  - THE CONTRACTOR SHALL CAREFULLY REMOVE THE EXISTING DECORATIVE SIGN POSTS ON SHIPCARPENTER STREET. ALL REMOVED SIGN POSTS SHALL BE DELIVERED TO THE CITY OF LEWES PUBLIC WORKS FACILITY. ALL COSTS FOR LOADING, UNLOADING AND TRANSPORTATION ARE TO BE INCIDENTAL TO ITEM 749584.
  - EXISTING PAVEMENT MARKINGS ON SHIPCARPENTER STREET SHALL REMAIN.

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	84 SF
(B)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	36 SF

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ADDENDUMS / REVISIONS	



**LEWES HISTORICAL SOCIETY  
PEDESTRIAN IMPROVEMENTS**

CONTRACT	BRIDGE NO.	-
T201220012	DESIGNED BY:	LCH
COUNTY	CHECKED BY:	JMH
SUSSEX		

**SIGNING AND STRIPING**

SHEET NO.	21
TOTAL SHTS.	26



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PERMANENT SIGN SCHEDULE															
SHEET NO.	NO.	CODE	DESCRIPTION	ASSEMBLY NO.	SIGN WIDTH (IN.)	SIGN HEIGHT (IN.)	SIGN AREA (SF)	SIGN ACTIVITY	ITEM 749687 SINGLE POST (EA)		ITEM 749690 MULTI POST (SF)		ITEM 749688 4" HOLE 0-6" (EACH)	ITEM 749689 4" HOLE >6" (EACH)	REMARKS
									REMOVE	INSTALL	REMOVE	INSTALL			
23	1		DO NOT ENTER	1				REMAIN							
23	2A		ONE WAY	2				REMAIN							
23	2B		LEFT TURN PROHIBITED	2				REMAIN							
23	3		NO PARKING	3				REMAIN							
23	4		NO PARKING	4				REMAIN							
23	5		ONE WAY	5				REMOVE	1						
23	6A	D3-1	PILOTTOWN RD	6	42	9	2.63	NEW							INSTALL ON DECORATIVE POST.
23	6B	D3-1	PILOTTOWN RD	6	42	9	2.63	NEW							
23	6C	D3-1	SHIPCARPENTER ST	6	54	9	3.38	NEW							
23	6D	D3-1	SHIPCARPENTER ST	6	54	9	3.38	NEW							
23	6E	R1-1	STOP	6	36	36	9.00	NEW							
23	7A		DO NOT ENTER	7				REMOVE	1						
23	7B		STOP	7				REMOVE							
23	8A	R6-1	ONE WAY	8	36	12	3.00	NEW		1					SIGN PANEL SHALL BE PLACED ON UTILITY POLE.
23	8B	R6-1	ONE WAY	8	36	12	3.00	NEW							SIGN PANEL SHALL BE PLACED ON UTILITY POLE.
23	9A	D3-1	SECOND ST	9	36	9	2.25	NEW		1					
23	9B	D3-1	SECOND ST	9	36	9	2.25	NEW							
23	9C	D3-1	SHIPCARPENTER ST	9	54	9	3.38	NEW							
23	9D	D3-1	SHIPCARPENTER ST	9	54	9	3.38	NEW							
23	9E		SECOND ST	9				REMOVE	1						
23	9F		SECOND ST	9				REMOVE							
23	9G		SHIPCARPENTER ST	9				REMOVE							
23	9H		SHIPCARPENTER ST	9				REMOVE							
23	9J		STOP	9				REMAIN							POST TO REMAIN.
23	10	R1-1	STOP	10	36	36	9.00	NEW							INSTALL ON DECORATIVE POST.
23	11A		DO NOT ENTER	11				REMOVE	1						
23	11B		STOP	11				REMOVE							
23	12A		PEDESTRIAN	12				REMAIN							
23	12B		DIRECTIONAL ARROW	12				REMAIN							
24	13A		SPEED LIMIT 25 MPH	13				REMAIN							
24	13B		NO STOPPING, STANDING OR PARKING	13				REMAIN							
24	14A		PEDESTRIAN	14				REMAIN							
24	14B		DIRECTIONAL ARROW	14				REMAIN							
23	15	R5-1	DO NOT ENTER	15	36	36	9.00	NEW							BACK OF SIGN SHALL BE PAINTED BLACK TO CONFORM W/ CITY OF LEWES REGULATIONS. INSTALL ON DECORATIVE POST.
23	16	R5-1	DO NOT ENTER	16	36	36	9.00	NEW							BACK OF SIGN SHALL BE PAINTED BLACK TO CONFORM W/ CITY OF LEWES REGULATIONS. INSTALL ON DECORATIVE POST.
TOTALS							65.3			4	2				



ADDENDUMS / REVISIONS

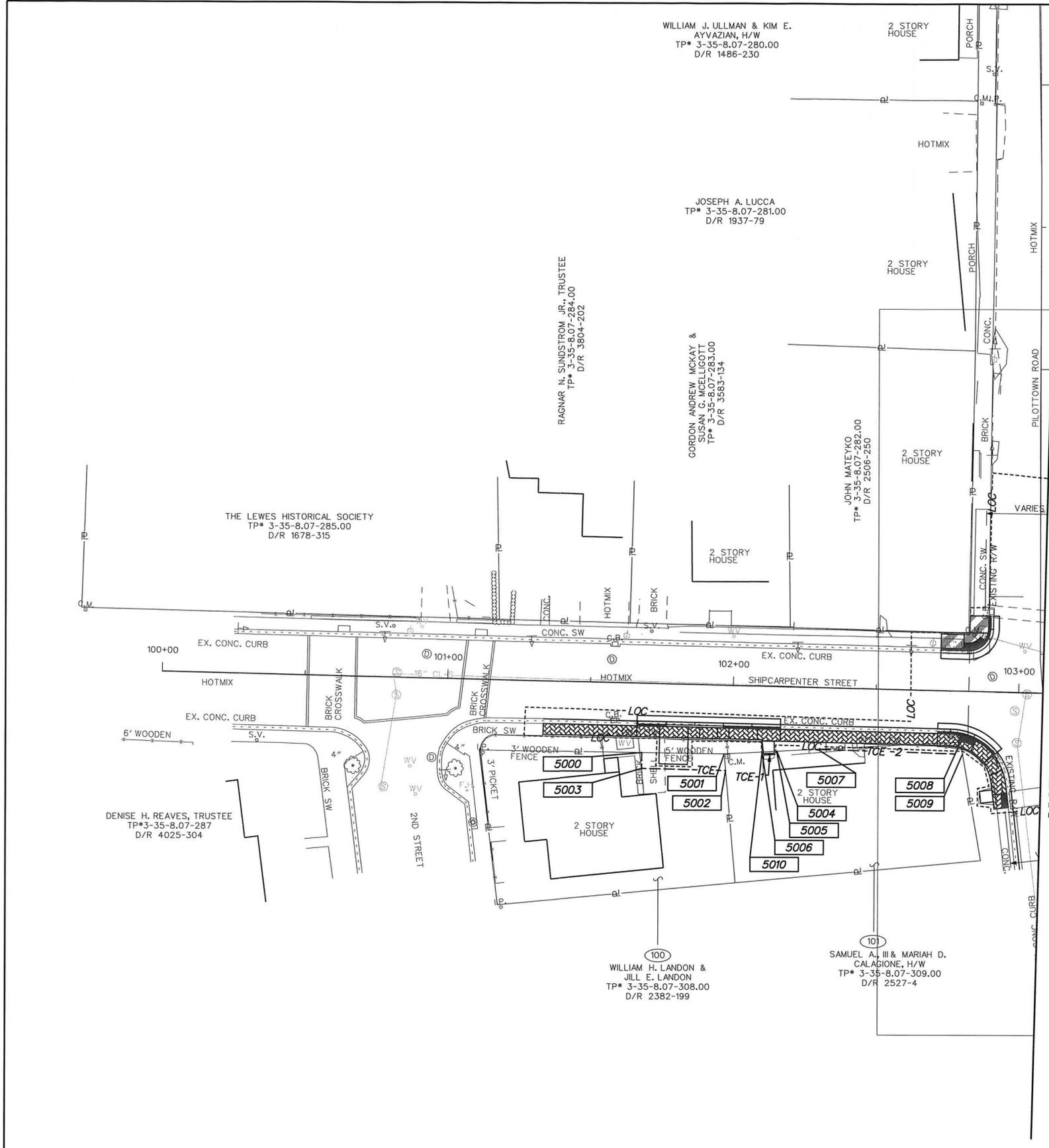
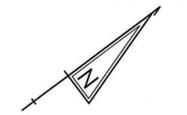
NOT TO SCALE

**LEWES HISTORICAL SOCIETY  
PEDESTRIAN IMPROVEMENTS**

CONTRACT	BRIDGE NO.	-
T201220012	DESIGNED BY:	LCH
COUNTY	CHECKED BY:	JMH
SUSSEX		

**SIGNING AND STRIPING**

SHEET NO.	23
TOTAL SHTS.	26



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WILLIAM J. ULLMAN & KIM E. AYVAZIAN, H/W  
TP# 3-35-8.07-280.00  
D/R 1486-230

JOSEPH A. LUCCA  
TP# 3-35-8.07-281.00  
D/R 1937-79

RAGNAR N. SUNDSTROM JR., TRUSTEE  
TP# 3-35-8.07-284.00  
D/R 3804-202

GORDON ANDREW MCKAY & SUSAN G. MCELLIGOTT  
TP# 3-35-8.07-283.00  
D/R 3583-134

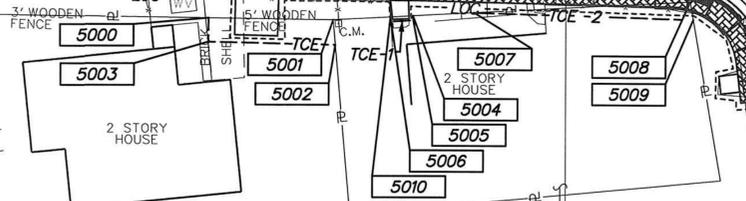
JOHN MATEYKO  
TP# 3-35-8.07-282.00  
D/R 2506-250

THE LEWES HISTORICAL SOCIETY  
TP# 3-35-8.07-285.00  
D/R 1678-315

DENISE H. REAVES, TRUSTEE  
TP# 3-35-8.07-287  
D/R 4025-304

WILLIAM H. LANDON & JILL E. LANDON  
TP# 3-35-8.07-308.00  
D/R 2382-199

SAMUEL A. III & MARIAH D. CALAGIONE, H/W  
TP# 3-35-8.07-309.00  
D/R 2527-4



**NOTE:**  
ALL WORK WITHIN THE RIGHT OF WAY AND BETWEEN THE FRONT PROPERTY LINES AND THE RIGHT OF WAY LINE IS UNDER THE AUSPICES OF THE TOWN OF LEWES CHARTER.

PREPARED BY  
THE CONSULTING FIRM OF  
**m CENTURY**  
ENGINEERING  
CONSULTING ENGINEERS, SURVEYORS  
4134 N. DEPOSIT HWY.  
DOVER, DELAWARE 19901  
(302) 734-9188

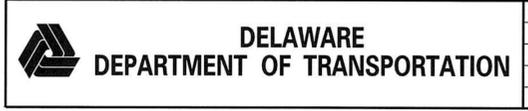
RECOMMENDED *Jonathan M. Herms* 4/4/2014  
DATE

RECOMMENDED AS TO PROCESS FOR ENGINEERING NEED

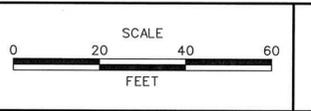
*Shelby Chavira* 4/8/2014  
TEAM SUPPORT TECHNICAL REVIEWER DATE

TEAM SUPPORT ENGINEER DATE 20

*Heather Dull* 4.8.2014  
MANAGER, TEAM SUPPORT DATE



ADDENDUMS / REVISIONS

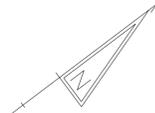


**LEWES HISTORICAL SOCIETY  
PEDESTRIAN IMPROVEMENTS**

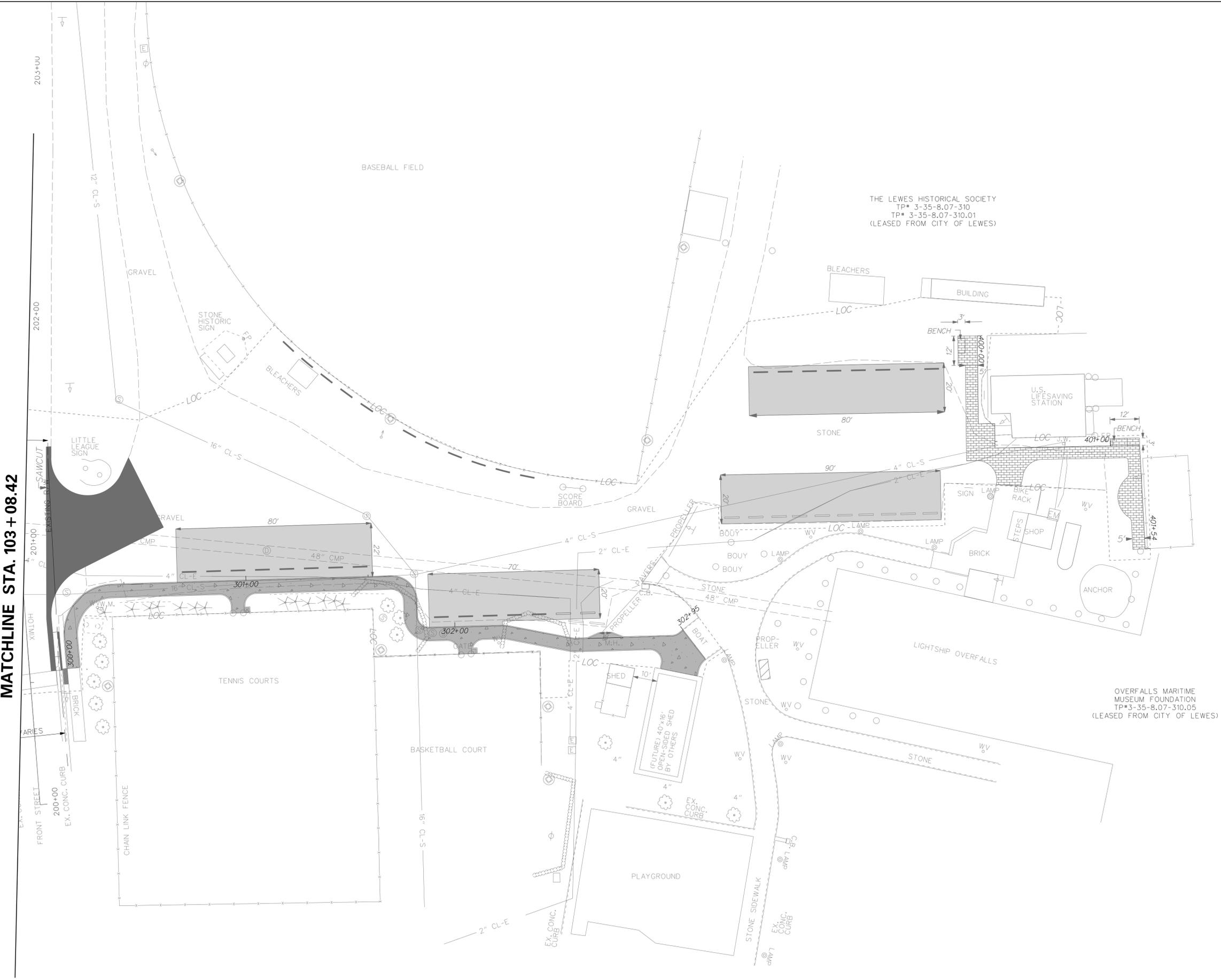
CONTRACT	BRIDGE NO.	-
T201220012	DESIGNED BY:	LCH
COUNTY	CHECKED BY:	JMH
SUSSEX		

<b>RIGHT-OF-WAY PLAN</b>		SHEET NO.
		26
		TOTAL SHTS.
		28

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ADDENDUMS / REVISIONS	



**LEWES HISTORICAL SOCIETY  
PEDESTRIAN IMPROVEMENTS**

CONTRACT	BRIDGE NO.	-
T201220012	DESIGNED BY:	LCH
COUNTY	CHECKED BY:	JMH
SUSSEX		

**RIGHT-OF-WAY PLAN**

SHEET NO.	25
TOTAL SHTS.	26

