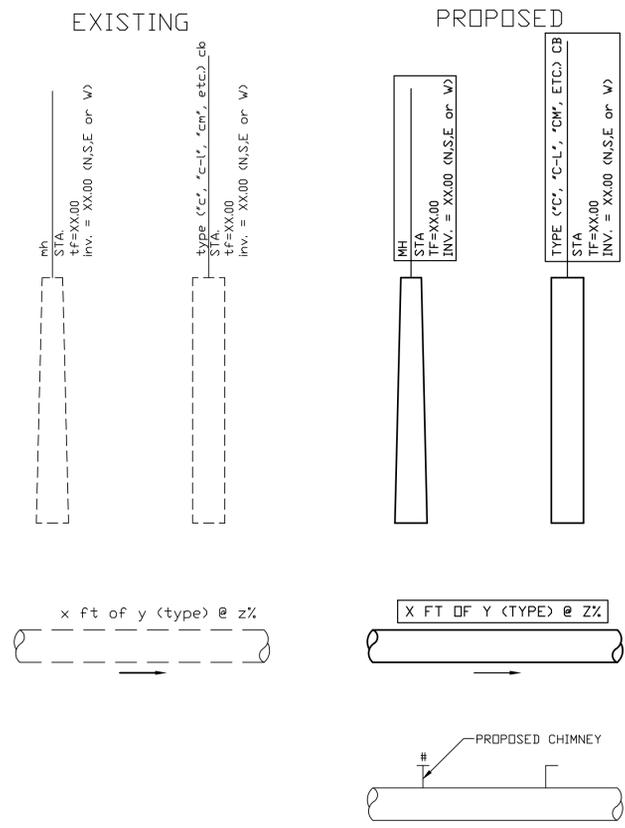


	EXISTING CONDITIONS:	PROPOSED CONDITIONS:
BUILDING SETBACK	---	---
CONTOUR	---100---	---100---
SPOT ELEVATION	x0.00	---
ROW OR EASEMENT	row OR easement	---
TEMPORARY ROW	temp row OR easement	---
STREET LINE	---	---
PROPERTY LINE	---	---
TOWN/CITY LINE	---	---
SURVEY CONTROL POINT	△	△
MONUMENT	□	■
PROPERTY CORNER	○	○
IRON PIN	○	○
TREE	○	○
TREE (CONIFER)	○	○
TEST PIT	⊕	⊕
TEST BORING	⊕	⊕
PERCOLATION TEST	⊕	⊕
BUILDING	▭	▭
STONE WALL	---(type)---	---(TYPE)---
RETAINING WALL	---(type)---	---(TYPE)---
GUIDERAIL	---(type)---	---(TYPE)---
CHAIN LINK FENCE/WIRE FENCE	---(type)---	---(TYPE)---
WOOD FENCE	---(type)---	---(TYPE)---
SIDEWALK	---	---
DRIVEWAY AND EP	---	---
CURBING	---	---
WOODED AREA OR TREE LINE	---	---
SHRUBS OR HEDGES	---	---
RIVER, BROOK, STREAM OR LAKE	---	---
DITCH	---	---
RIPRAP	---	---
WATER MAIN	---	---
FIRE HYDRANT	△	△
THRUST BLOCK	△	△
GAS MAIN	---	---
GAS VALVE AND WATER VALVE	△	△
ELECTRICAL LINE (UNDERGROUND/OVERHEAD)	---	---
TELEPHONE LINE (UNDERGROUND/OVERHEAD)	---	---
MAIL BOX	---	---
UTILITY POLE	---	---
UTILITY POLE W/ LUMINAIRE	---	---
LIGHT POLE	---	---
GUY POLE OR WIRE	---	---
FIRE OR POLICE ALARM BOX	---	---
CATCH BASIN	---	---
SANITARY, STORM OR UTILITY MANHOLE	○ (type)	○ (TYPE)
SANITARY SEWER	---	---
STORM SEWER	---	---
HEADWALL	---	---
FORCE MAIN	---	---
WYES, TEES AND BUILDING CONNECTIONS	---	---
CHIMNEY	---	---
ABANDON OR REMOVE PIPES OR CONDUIT	---	---
WATER SUPPLY WELL	○	○
RAILROAD	---	---
SIGN	---	---
PARKING METER	---	---
LOT NUMBER	XXX	XXX
HOUSE NUMBER	XXX	XXX
SILT FENCE	---	---
HAY BALES	---	---
WETLAND BOUNDARY	---	---
WETLANDS	---	---
SOIL BOUNDARY LINE	---	---
SOIL TYPE	---	---
LEDGE	---	---
OPEN CHANNEL	---	---
END OF BORING	---	---
BORING REFUSAL	---	---

PROFILE



ABBREVIATIONS

ACCP	ASPHALT COATED CORRUGATED METAL PIPE	PVC	POLYVINYL CHLORIDE PIPE
ACP	ASBESTOS CEMENT PIPE	PAVT	PAVEMENT
BCLC	BITUMINOUS CONCRETE LIP CURBING	R	RADIUS
BF	BASEMENT FLOOR	RCCE	REINFORCED CONCRETE CULVERT END
BLDG	BUILDING	RCP	REINFORCED CONCRETE PIPE
BM	BENCH MARK	REINF	REINFORCED
BSMT	BASEMENT	RET	RETAINING
"C"	TYPE C (CURBED) CB	ROW	RIGHT OF WAY
CL	CENTERLINE	S	SLOPE
"C-L"	TYPE C-L (CURBLESS) CB	SMH	SHALLOW MANHOLE
CB	CATCH BASIN	STA	STATION
CIP	CAST IRON PIPE	STD	STANDARD
CMP	CORRUGATED METAL PIPE	STM	STORM SEWER
CONC	CONCRETE	TB	TOP OF BANK
DIA	DIAMETER	TBM	TEMPORARY BENCH MARK
DIP	DUCTILE IRON PIPE	TEMP	TEMPORARY
DMH	DROP MANHOLE	TF	TOP OF FRAME
E/M	ELECTRIC MARK	TP	TEST PIT
EP	EDGE OF PAVEMENT	TS	TOP OF SLOPE
ESVCP	EXTRA STRENGTH VITRIFIED CLAY PIPE	TYF	TYPICAL
ETW	EDGE OF TRAVELWAY	VCP	VITRIFIED CLAY PIPE
EXIST.	EXISTING	WDMH	WATERTIGHT DROP MANHOLE
FES	FLARED END SECTION	VERT	VERTICAL
FF	FINISH FLOOR	VMH	WATERTIGHT MANHOLE
GALV	GALVANIZED	WSMH	WATERTIGHT SHALLOW MANHOLE
HDPE	HIGH DENSITY POLYETHYLENE PIPE	YD	YARD DRAIN
HORIZ	HORIZONTAL		
ID	INSIDE DIAMETER		
INV	INVERT		
IP	IRON PIPE OR IRON PIN		
L	LATERAL CONNECTION		
FT	FEET		
MAS	MASONRY		
MB	MAILBOX		
MH	MANHOLE		
MDN	MONUMENT		
N/F	NDW OR FORMERLY		
NIC	NOT IN CONTRACT		
O/C	ON CENTER		
OD	OUTSIDE DIAMETER		
R	PROPERTY LINE		
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE		
PE	POLYETHYLENE		
PERM	PERMANENT		
PROP	PROPOSED		

NOTES:

- HORIZONTAL DATUM BASED OFF NAD 83
- FIELD SURVEY WAS PERFORMED BY NYE, AUGUST 2018
- THE LOCATION OF EXISTING UTILITIES AS SHOWN FROM MAPS OF UTILITY COMPANIES, FIELD SURVEYS, AND THE BEST AVAILABLE INFORMATION. THEY MUST BE CONSIDERED AS ONLY APPROXIMATE BOTH AS TO SIZE AND LOCATION, AND ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL FIELD LOCATIONS. LOCATIONS OF CRITICAL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD BY TEST PITS.
- RIGHT-OF-WAY LINES, STREET LINES, AND PROPERTY LINES WHEREVER SHOWN ARE BASED ON THE MAPS OF RECORD AND COMPILED DATA.
- THE LOCATION OF THE EXISTING STORM SEWERS AS SHOWN FROM FIELD SURVEYS. THE STORM SEWER PIPE INVERTS ARE SHOWN ONLY FOR CATCH BASINS AND MANHOLES THAT WERE LOCATED DURING THE FIELD SURVEY. THE LOCATION OF THE EXISTING DRAINAGE SYSTEMS SHOWN ARE APPROXIMATE AND BASED ON THE FOLLOWING ASSUMPTIONS:
 - ALL PIPES HAVE BEEN CONSTRUCTED IN A STRAIGHT LINE.
 - ALL PIPES HAVE BEEN CONSTRUCTED WITH CONSTANT SLOPE.
 - ALL PIPES CONNECT TO THE CENTER OF A STRUCTURE.
- EXISTING CONDITIONS ARE DENOTED IN LOWER CASE LETTERING. PROPOSED WORK IS DENOTED IN ALL UPPER CASE LETTERING. (PLAN/PROFILE SHEET)
- WHERE USED, STATION AND OFFSETS REFER TO CENTERLINE OF MANHOLES. PIPE LENGTHS DENOTED ON THE PLAN/PROFILE SHEETS REFER TO THE HORIZONTAL DISTANCE BETWEEN CENTERLINES OF SUCCESSIVE MANHOLES.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACQUAINT HIMSELF WITH THE EXISTENCE OF TREE, BUSHES, ORNAMENTAL OR UTILITARIAN DOMESTIC ACCESSORIES AND FIELD CONDITIONS.
- ALL DIMENSIONS AND ELEVATIONS MUST BE FIELD VERIFIED BY THE CONTRACTOR.
- UNLESS OTHERWISE NOTED, STANDARD 48-INCH DIAMETER MANHOLES SHALL BE USED FOR ALL SEWER MANHOLES.
- IN MANHOLES, WHERE THE DIFFERENCE IN ELEVATION BETWEEN THE INLET SEWER AND THE OUTLET SEWER IS LESS THAN 24", THE INVERT SHALL BE FILLETED TO PREVENT THE DEPOSITION OF SOLIDS.
- CLASS "A" CONCRETE SHALL BE USED FOR ALL APPURTENANT WORKS CONSTRUCTION.
- ANY CABLES, WIRES, POLES, FIXTURES, SHRUBS, FENCES, WALKS, GUIDE RAILS, CURBS, STREET SIGNS, MAIL BOXES, TRAFFIC SIGNS, ORNAMENTAL OR UTILITARIAN DOMESTIC ACCESSORIES, ETC., AND ALL ADJACENT AREAS DAMAGED, DESTROYED OR DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AS SPECIFIED IN THE SECTIONS "CLEARING AND GRUBBING", AND "RESTORATION" OF THE SPECIFICATIONS.
- THE CONTRACTOR SHALL CONFINE HIS OPERATIONS AND ACTIVITIES FOR CONSTRUCTION PURPOSES WITHIN STREET LINES, WORKING EASEMENT LINES, PROPERTY LINES, AND ACROSS PRIVATE PROPERTY AS SHOWN ON THE CONTRACT DRAWINGS. SHOULD THE CONTRACTOR REQUIRE ADDITIONAL CONSTRUCTION EASEMENTS OR ACCESS RIGHTS, THE CONTRACTOR SHALL OBTAIN THEM AT HIS OWN EXPENSE AND FORWARD COPIES TO THE ENGINEER.
- ALL EXISTING UTILITY SERVICES SHALL BE PROTECTED AND MAINTAINED IN SERVICE. ANY RELOCATIONS NECESSARY WILL BE DONE BY THE APPROPRIATE UTILITY COMPANY. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL UTILITY RELOCATIONS.
- UTILITY POLES ARE TO BE RELOCATED BY THEIR OWNERS AS REQUIRED BY AND DURING CONSTRUCTION.
- OVERHEAD UTILITY LINES OR GUY LINES WHICH REQUIRE TEMPORARY RELOCATION DUE TO THE CONTRACTOR'S OPERATIONS, SHALL BE RELOCATED AT THE CONTRACTOR'S EXPENSE.
- BUILDING LATERALS ARE SHOWN ON THE PLAN SHEETS AT ASSUMED LOCATIONS. THE CONTRACTOR SHALL COORDINATE WITH THE HOME OWNER THE PROPOSED LATERAL LOCATION. THE CONTRACTOR SHALL VERIFY WITH THE ENGINEER THE FINAL LOCATION OF BUILDING LATERALS PRIOR TO INSTALLATION.
- DURING THE CONSTRUCTION IF IT IS NECESSARY TO REMOVE, RELOCATE, OR REPLACE STREET SIGNS, MAIL BOXES, TRAFFIC SIGNS, OR OTHER SIGNS, IT SHALL BE DONE BY THE CONTRACTOR AS PROVIDED IN THE "CLEARING AND GRUBBING" AND "RESTORATION" SECTIONS OF THE SPECIFICATIONS.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO COMMENCING CONSTRUCTION.
- MANHOLE LOCATIONS AS SHOWN ON THE DRAWINGS MAY BE SHIFTED TO MEET FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- ALL CONSTRUCTION SHALL CONFORM TO THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION, FORM 817, DATED AND SUPPLEMENTS THERE TO, DATED JANUARY 2019.
- CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND REPORT ANY INCONSISTENCIES TO THE ENGINEER.
- CONTRACTOR SHALL BE RESPONSIBLE SEQUENCING AND SCHEDULING THE WORK TO INSURE SAFE ACCESS THROUGH THE WORK AREA BY EMERGENCY VEHICLES AND LOCAL TRAFFIC AT ALL TIMES.
- SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST EDITION. THE COST FOR ALL WORK PERFORMED IN CONJUNCTION WITH SOIL EROSION AND SEDIMENT CONTROL HAS TO BE INCLUDED IN THE PRICE BID FOR "WATER POLLUTION CONTROLS."
- MAINTENANCE OF CONTROL MEASURES IS THE RESPONSIBILITY OF THE CONTRACTOR. SEDIMENT REMOVED FROM CONTROL FACILITIES SHALL BE DISPOSED OF AT A LOCATION APPROVED BY THE ENGINEER THAT WILL NOT CAUSE ADDITIONAL SEDIMENTATION PROBLEMS TO THE SURROUNDING AREA.
- ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH LOCAL AND STATE BUILDING CODES.
- THE CONTRACTOR MUST MAKE HIMSELF AWARE OF AND PROTECT AND MAINTAIN EXISTING WELLS, SEPTIC SYSTEMS, AND UTILITY SERVICES DURING CONSTRUCTION.
- THE CONTRACTOR MUST CALL "CALL BEFORE YOU DIG" AT LEAST 72 HOURS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. (1-800-922-4455).
- COMPLETED WORK TO BE MAINTAINED BY THE TOWN OF EAST HAVEN

LOCATION AND ELEVATION OF UNDERGROUND UTILITIES UNLESS OTHERWISE NOTED IS UNKNOWN AND SHOULD BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION

ANY USE OR REUSE OF ORIGINAL OR ALTERED CAD DRAWING MATERIALS BY THE CLIENT, CONTRACTOR OR OTHER PARTIES WITHOUT THE REVIEW AND WRITTEN APPROVAL OF AN AUTHORIZED REPRESENTATIVE OF NAFIS & YOUNG ENGINEERS, INC. SHALL BE AT THE SOLE RISK OF CLIENT, CONTRACTOR, OR OTHER PARTY AGREEING TO DEFEND, INDEMNIFY, AND HOLD NAFIS & YOUNG ENGINEERS, INC. HARMLESS FROM ALL CLAIMS, INJURIES, DAMAGES, LOSSES, EXPENSES AND ATTORNEY'S FEES ARISING OUT OF THE MODIFICATION OR REUSE OF THESE MATERIALS.

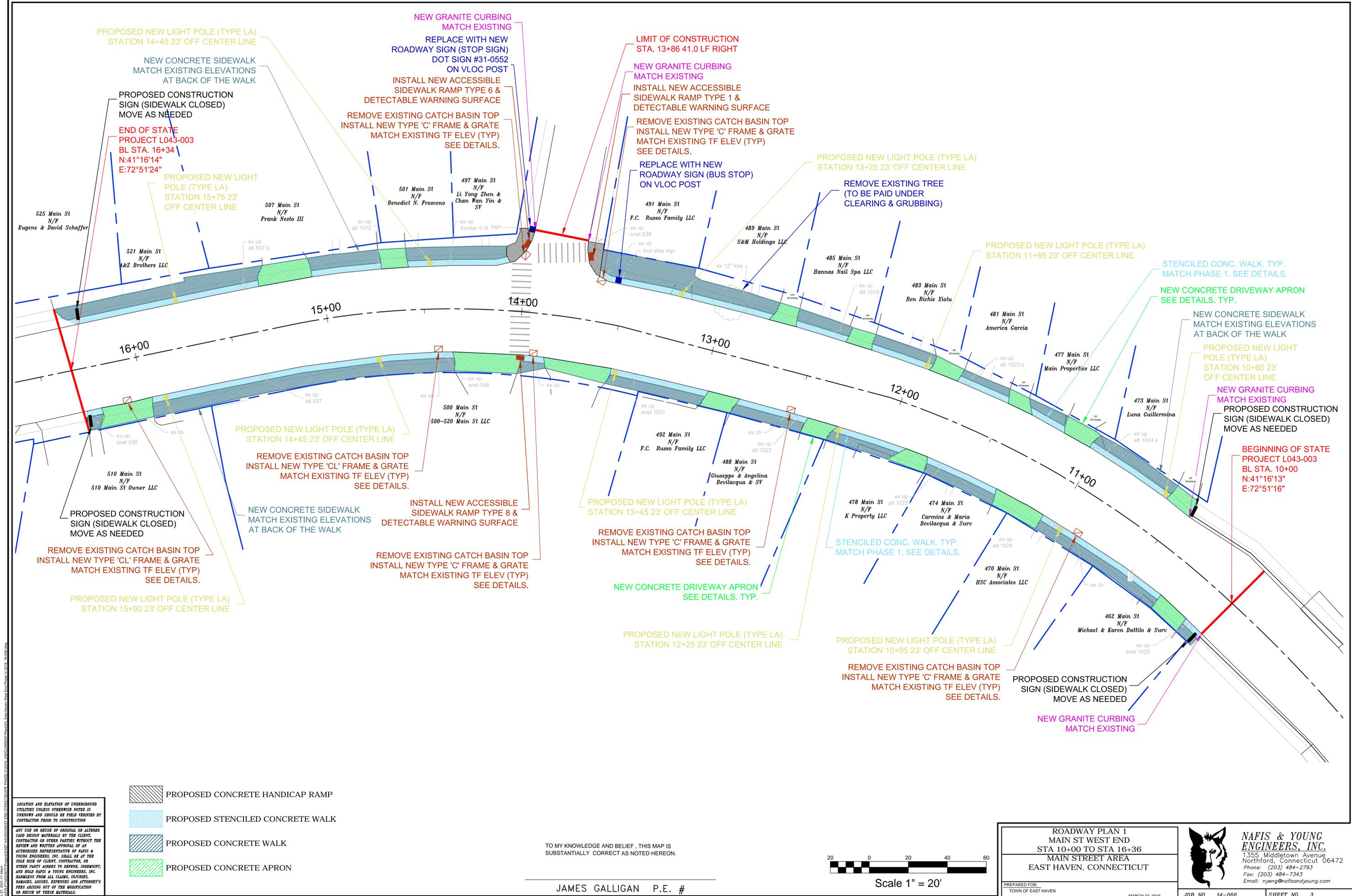
GENERAL NOTES AND LEGEND

WEST END RECONSTRUCTION
EAST HAVEN, CONNECTICUT

PREPARED FOR:
TOWN OF EAST HAVEN



NAFIS & YOUNG ENGINEERS, INC.
1355 Middletown Avenue
Northford, Connecticut 06472
Phone: (203) 484-2793
Fax: (203) 484-7343
Email: nyeng@nafisandyoung.com



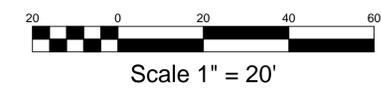
LOCATION AND ELEVATION OF UNDERGROUND UTILITIES UNLESS OTHERWISE NOTED IS UNKNOWN AND SHOULD BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.

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-  PROPOSED CONCRETE HANDICAP RAMP
-  PROPOSED STENCILED CONCRETE WALK
-  PROPOSED CONCRETE WALK
-  PROPOSED CONCRETE APRON

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

JAMES GALLIGAN P.E. #



ROADWAY PLAN 1
 MAIN ST WEST END
 STA 10+00 TO STA 16+36
 MAIN STREET AREA
 EAST HAVEN, CONNECTICUT

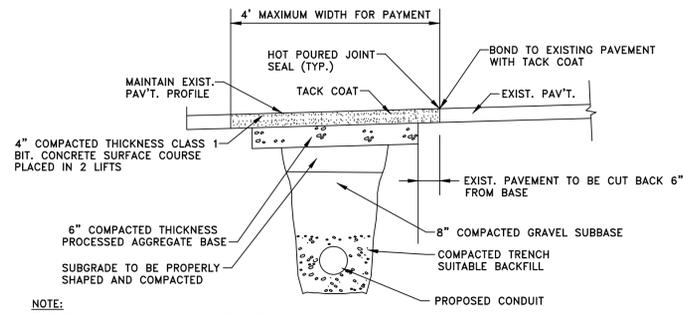
PREPARED FOR:
 TOWN OF EAST HAVEN

MARCH 23, 2016



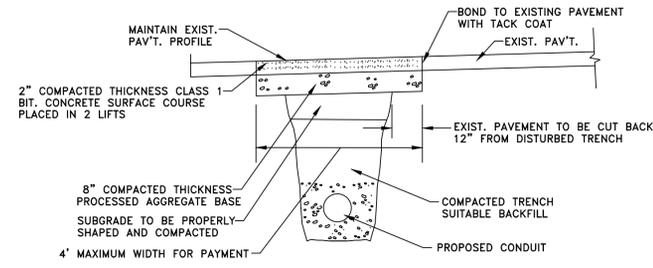
NAFIS & YOUNG ENGINEERS, INC.
 1355 Middletown Avenue
 Northford, Connecticut 06472
 Phone: (203) 484-2793
 Fax: (203) 484-7343
 Email: nyeng@nafisandyoung.com

JOB NO. 14-066 SHEET NO. 3



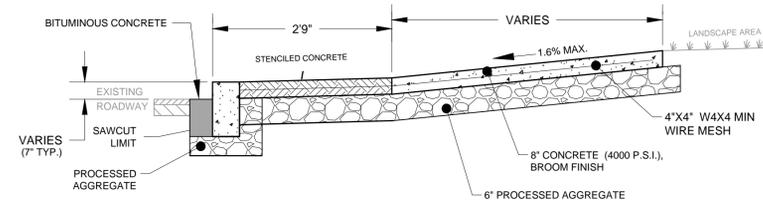
NOTE:
 TEMPORARY PAVEMENT SHALL BE REMOVED AND EXIST. PAVEMENT SAW CUT IN STRAIGHT, SQUARE LINES BEFORE PLACING PERMANENT PAVEMENT BASE & SURFACE COURSE.
 8" COMPACTED GRAVEL IS ABOVE ANY PIPE THAT MAY BE IN TRENCH
 IF NO PIPE IN TRENCH THEN ONLY 8" REQUIRED

PERMANENT PAVEMENT REPAIR
 NTS

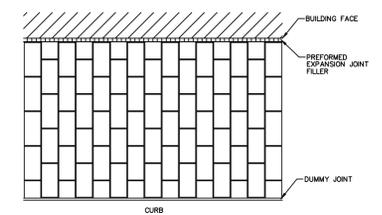


NOTE:
 8" COMPACTED GRAVEL IS ABOVE ANY PIPE THAT MAY BE IN TRENCH
 IF NO PIPE IN TRENCH THEN ONLY 8" REQUIRED

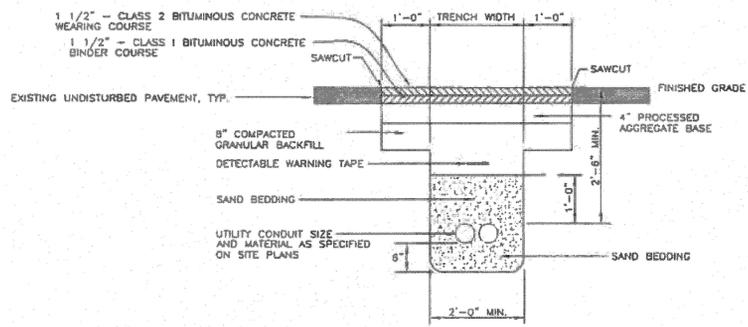
TEMPORARY PAVEMENT REPAIR
 NTS



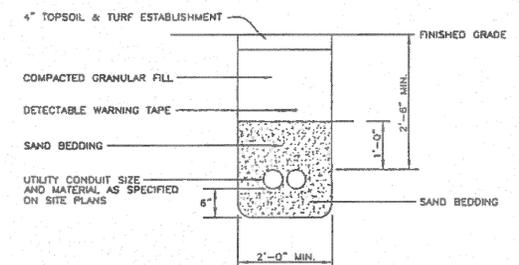
TYPICAL STENCILED SIDEWALK SECTION
 NOT TO SCALE



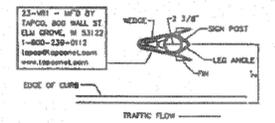
PLAN OF STENCILED CONCRETE WALK
RUNNING BOND PATTERN



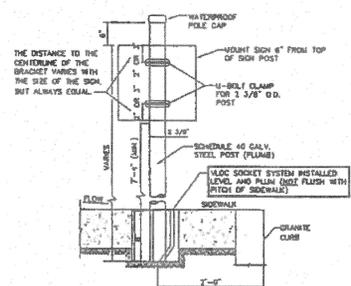
CONDUIT TRENCH UNDER PAVED AREA
 NOT TO SCALE



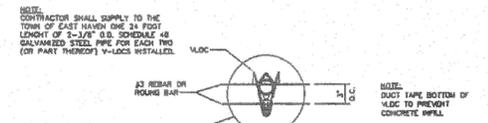
CONDUIT TRENCH UNDER NON-PAVED AREA
 NOT TO SCALE



VLOC SOCKET SYSTEM
 N.T.S.



VLOC AND SIGN POST DETAIL
 N.T.S.



VLOC SOCKET SYSTEM
 IN SOIL AREA
 N.T.S.

LOCATION AND ELEVATION OF UNDERGROUND UTILITIES UNLESS OTHERWISE NOTED IS UNKNOWN AND SHOULD BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION

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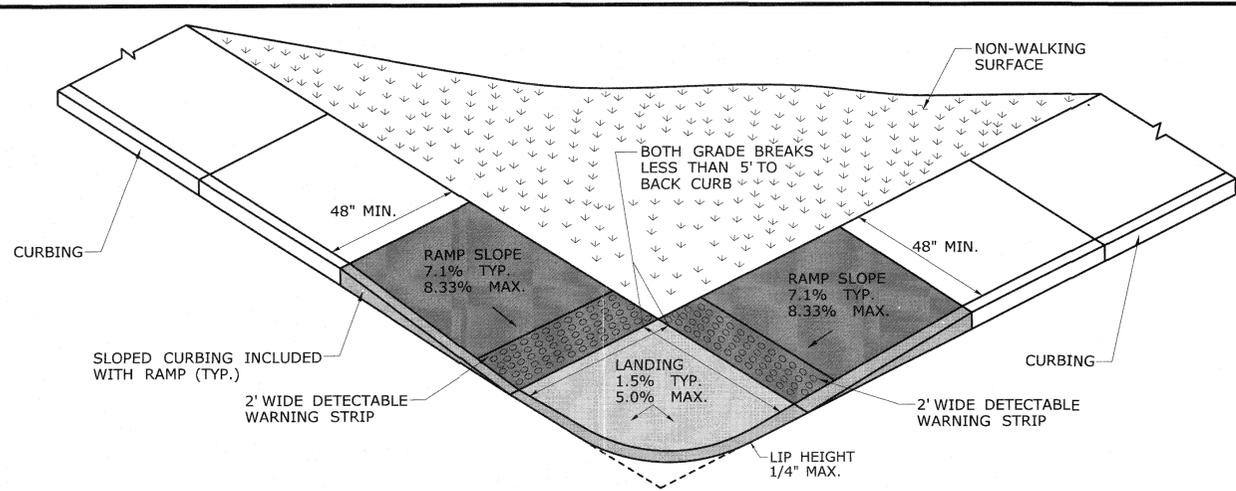
MAIN ST. RECONSTRUCTION PLAN
 PHASE IV
 SITE DETAILS
 MAIN STREET
 EAST HAVEN, CONNECTICUT

PREPARED FOR:
 TOWN OF EAST HAVEN

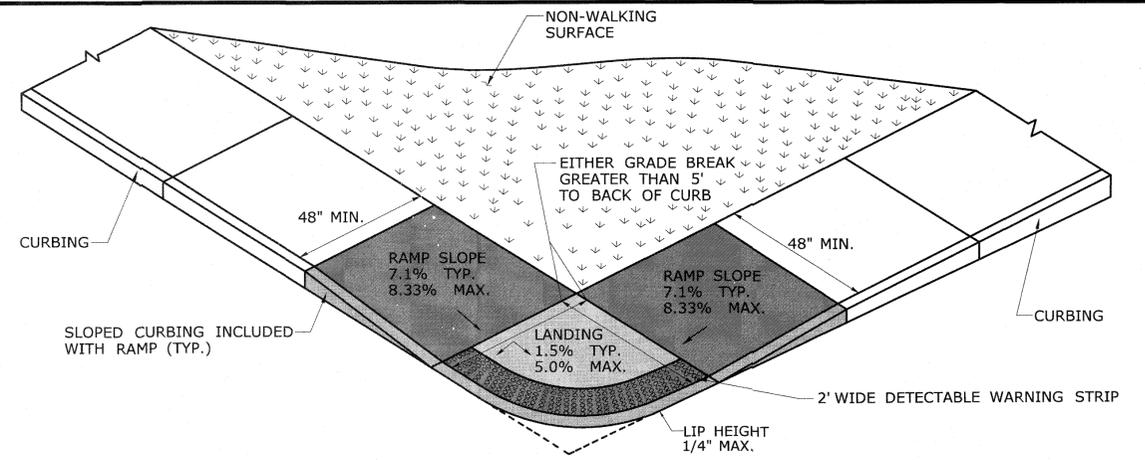
SEPTEMBER, 2018



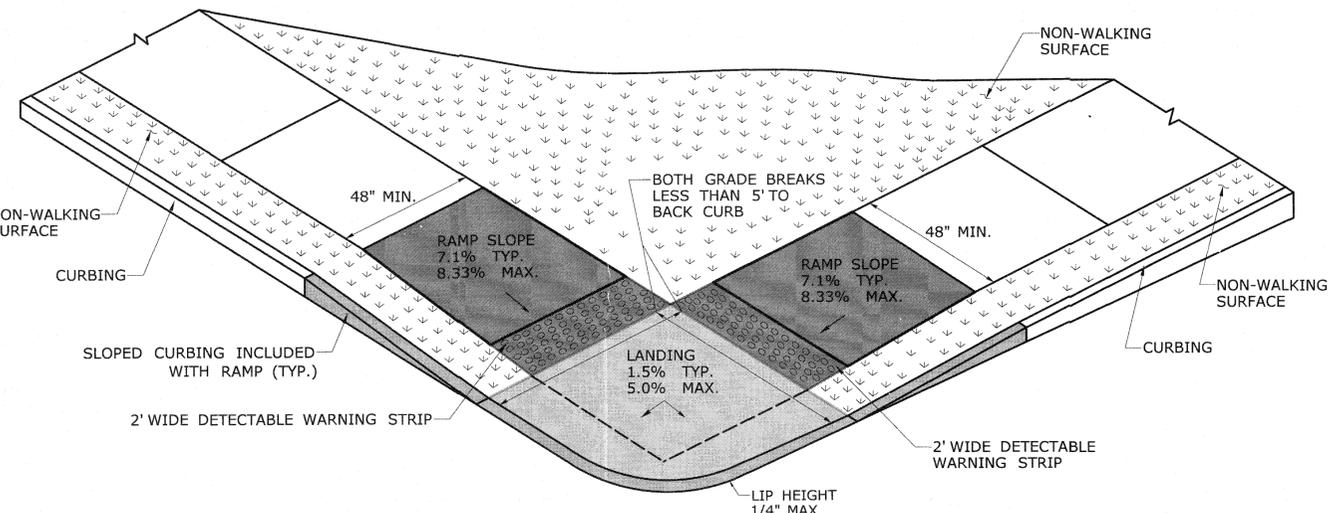
NAFIS & YOUNG ENGINEERS, INC.
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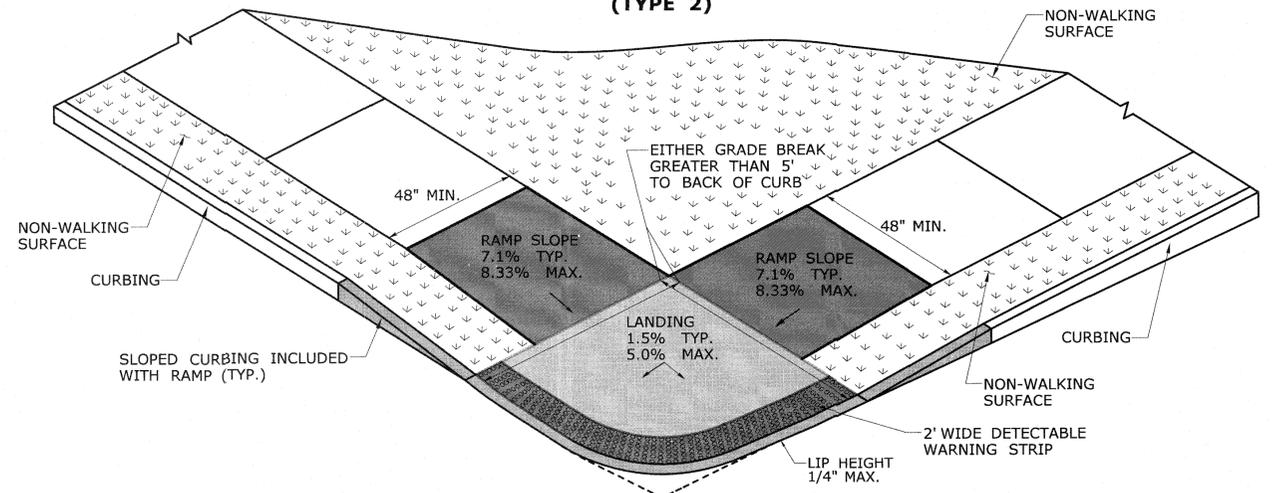
PERPENDICULAR RAMP WITH A GRADE BREAK OF 5' OR LESS (TYPE 1)



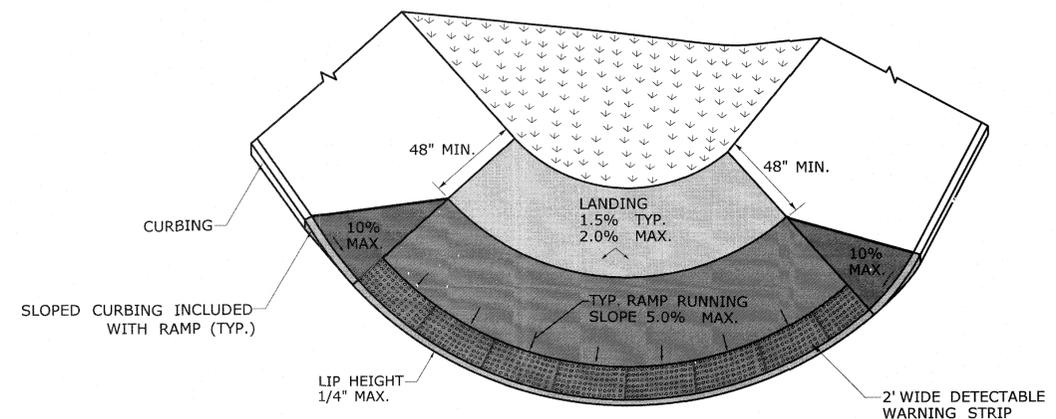
BLENDED TRANSITION WITH GRADE BREAK GREATER THAN 5' (TYPE 2)



PERPENDICULAR RAMP TO BACK OF CURB OF 5' OR LESS (TYPE 3)



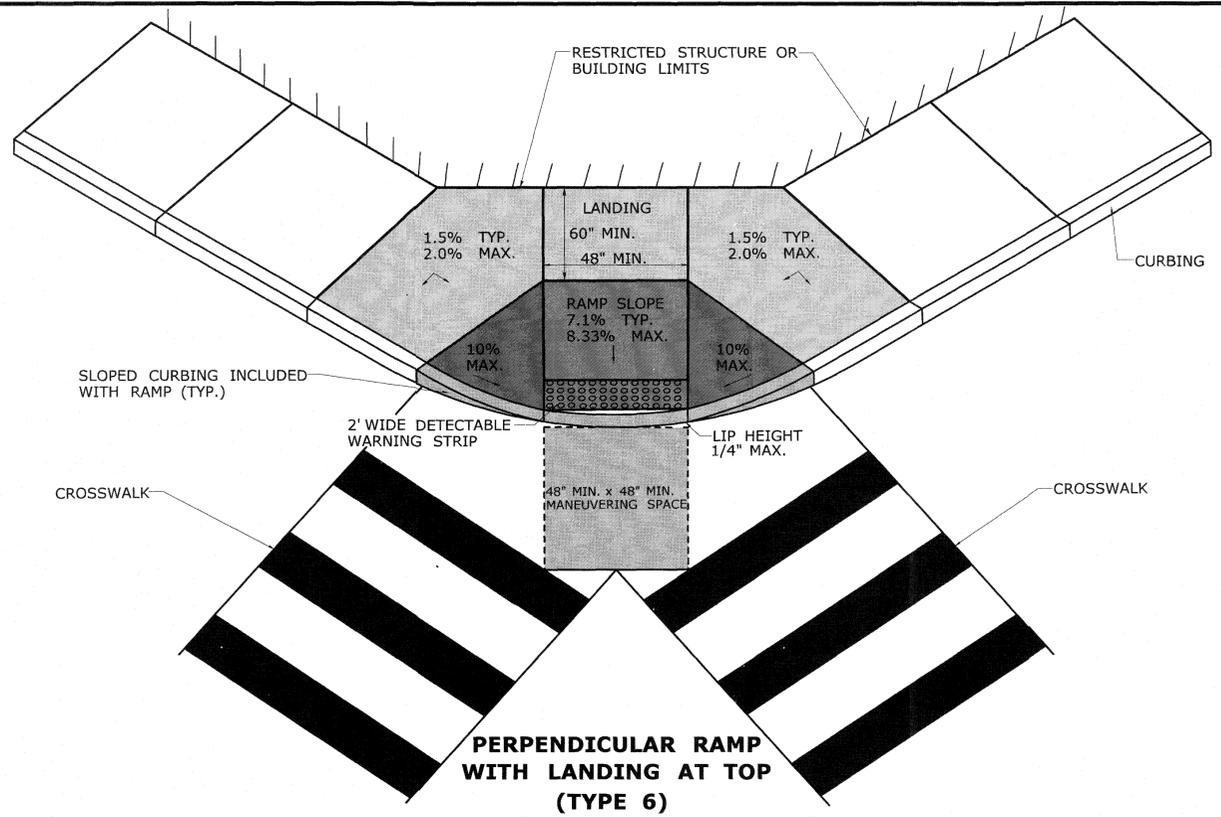
BLENDED TRANSITION WITH A GRADE BREAK TO BACK OF CURB GREATER THAN 5' (TYPE 4)



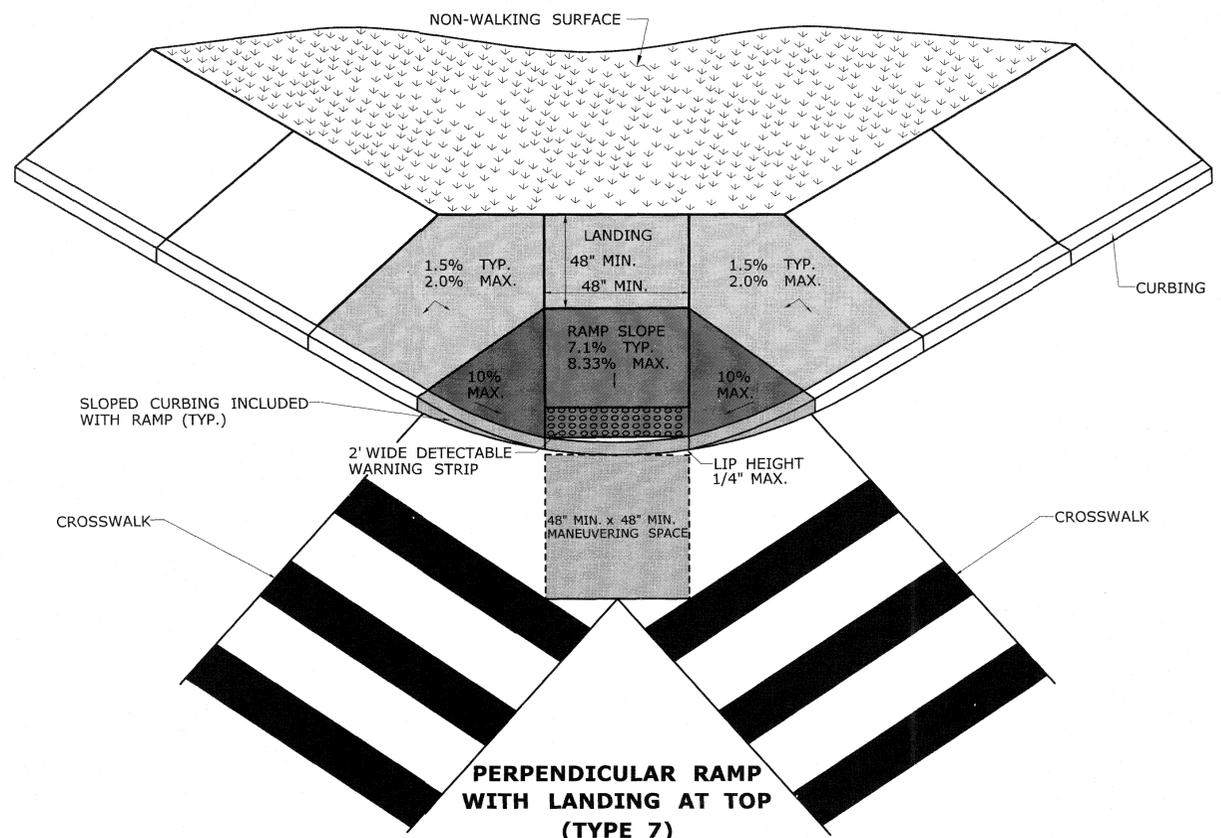
BLENDED TRANSITION WITH LANDING AT TOP (TYPE 5)

DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 1/30/2019	DESIGNER/DRAFTER: -	CHECKED BY: -	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/BLOCK: - OFFICE OF ENGINEERING APPROVED BY: -	PROJECT TITLE: -	TOWN: -	PROJECT NO. -
					Filename: ...CTDOT_HIGHWAY_GD_[1-28-19].dgn					DRAWING NO. -	
										DRAWING TITLE: CONCRETE SIDEWALK RAMPS - SHEET 2	
										SHEET NO. -	



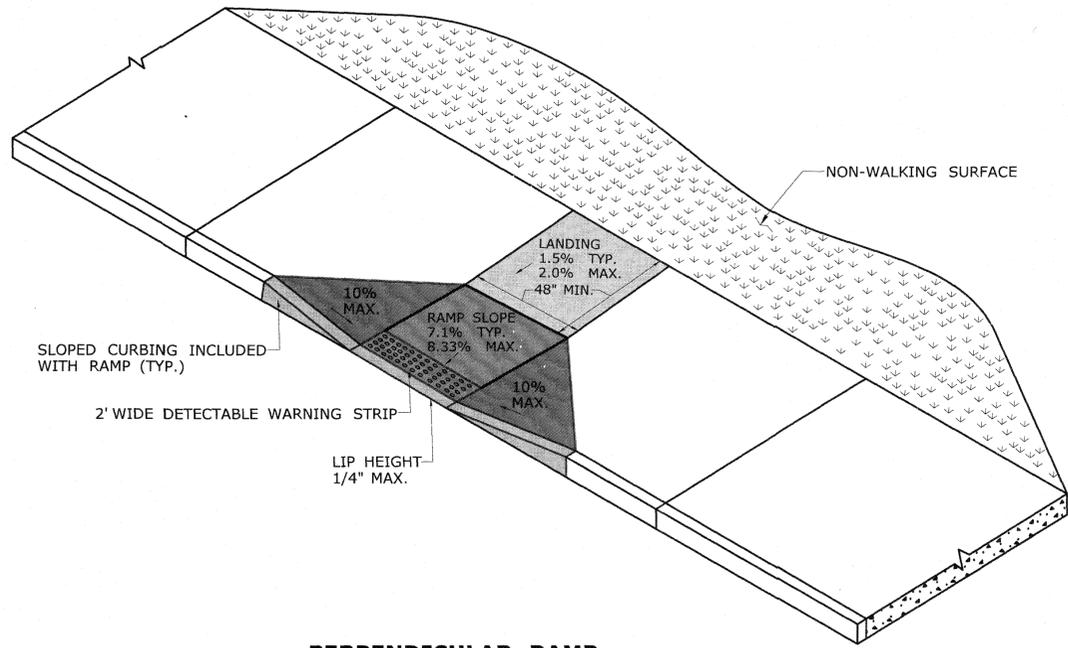
PERPENDICULAR RAMP WITH LANDING AT TOP (TYPE 6)



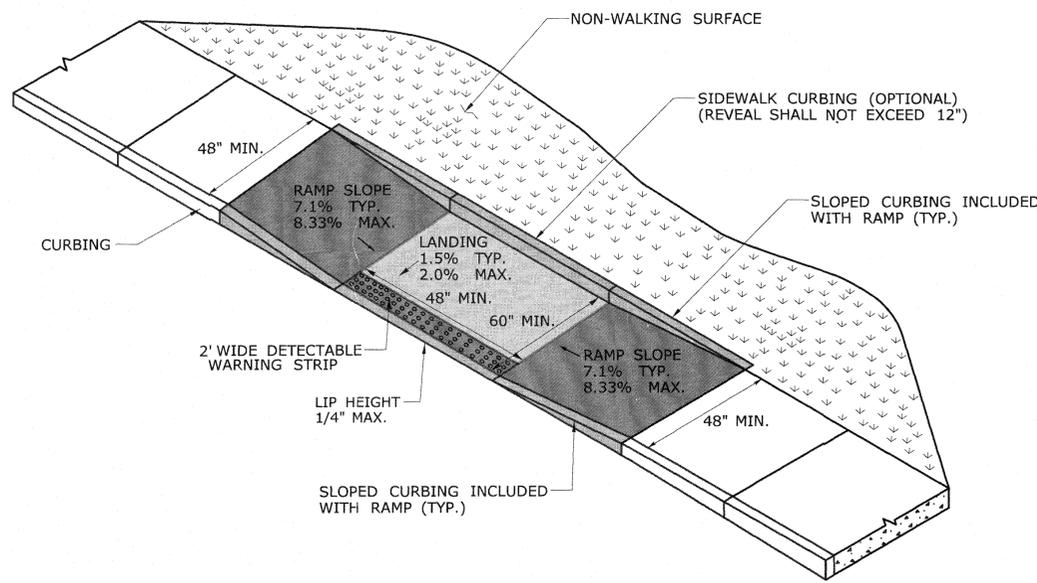
PERPENDICULAR RAMP WITH LANDING AT TOP (TYPE 7)

DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

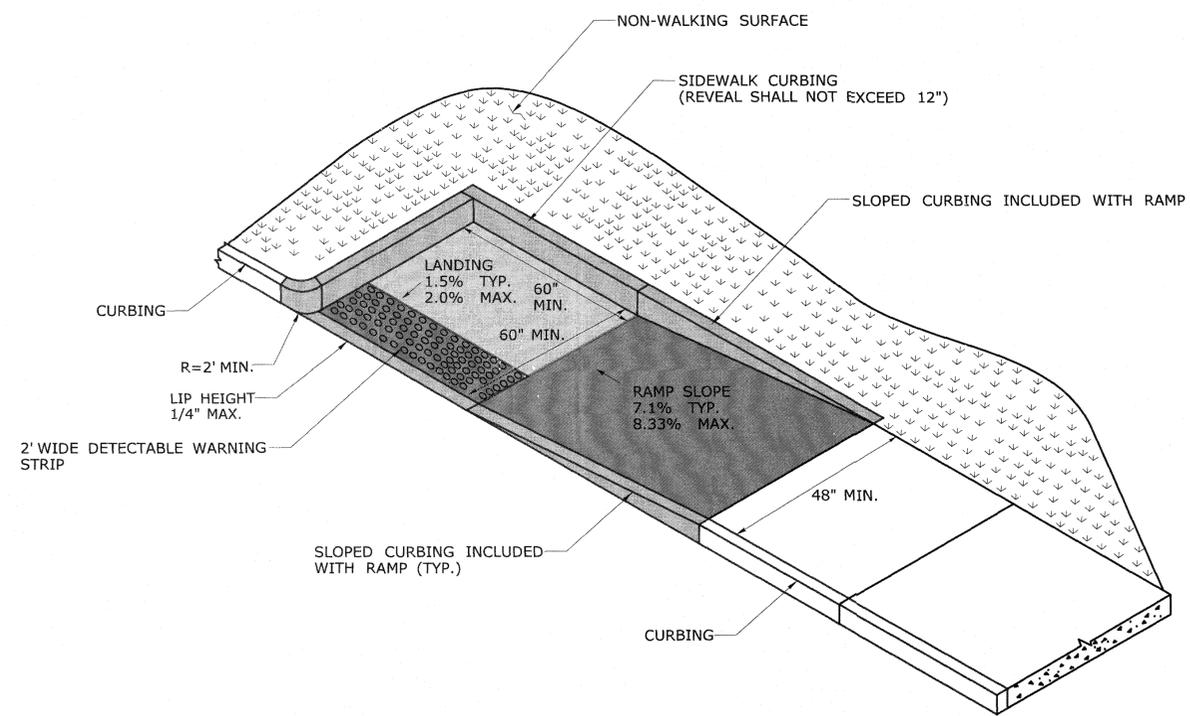
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: CHECKED BY:	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/BLOCK: APPROVED BY:	PROJECT TITLE:	TOWN:	PROJECT NO.: DRAWING NO.: SHEET NO.:
REV. DATE REVISION DESCRIPTION SHEET NO.	Plotted Date: 1/30/2019	Filename: ...CTDOT_HIGHWAY_GD [1-28-19].dgn	 OFFICE OF ENGINEERING	DRAWING TITLE: CONCRETE SIDEWALK RAMP SHEET 3			



PERPENDICULAR RAMP WITH 48" BY-PASS (TYPE 8)



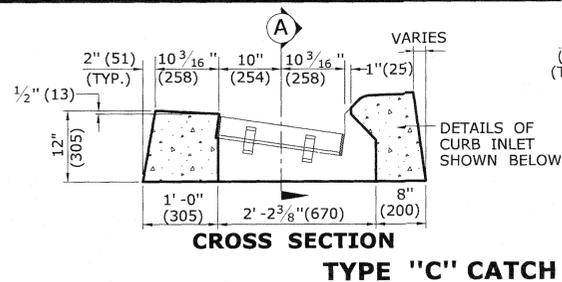
PARALLEL RAMP WITHOUT NON-WALKING SURFACE (TYPE 9)



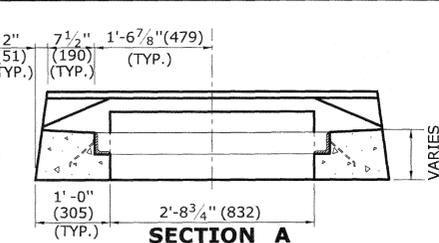
PARALLEL RAMP WITH LANDING AT BOTTOM ON CORNER (TYPE 10)

DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

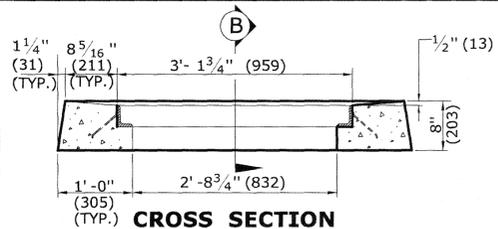
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: CHECKED BY:	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	SIGNATURE/ BLOCK: OFFICE OF ENGINEERING	PROJECT TITLE: - - -	TOWN: - -	PROJECT NO. - -
REV. DATE REVISION DESCRIPTION SHEET NO.	Plotted Date: 1/30/2019	FILENAME: ...CTDOT_HIGHWAY_GD_1-28-19.dgn		APPROVED BY:	DRAWING TITLE: CONCRETE SIDEWALK RAMP SHEET 4	DRAWING NO.	SHEET NO.



CROSS SECTION
TYPE "C" CATCH BASIN TOP

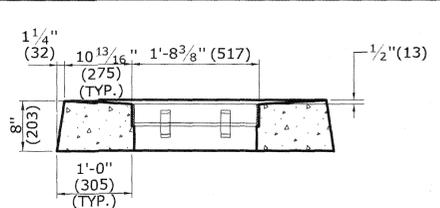


SECTION A



CROSS SECTION

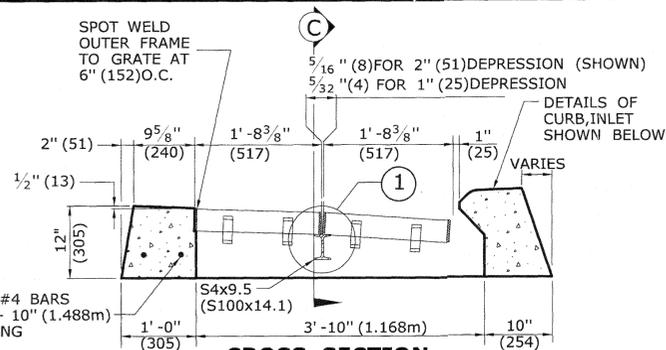
TYPE "C-L" CATCH BASIN TOP



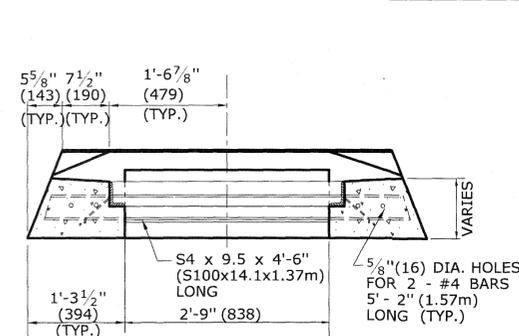
SECTION B

GENERAL NOTES:

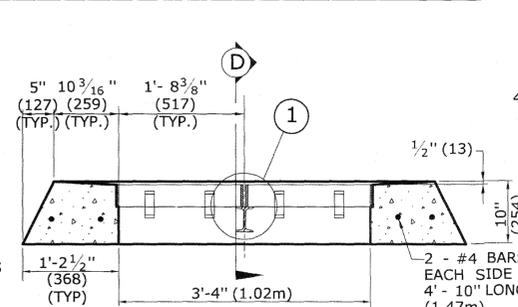
1. FOR DETAILS OF FRAME AND GRATE SEE STANDARD SHEET HW-507-08.
2. ALL STEEL, EXCEPT REINFORCING BARS, SHALL BE GALVANIZED IN CONFORMANCE WITH SECTION M06.03 OF CONNECTICUT'S STANDARD SPECIFICATIONS.
3. ALL BARS SHALL HAVE A MINIMUM 2" (51) COVER.



CROSS SECTION
TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE I TOP

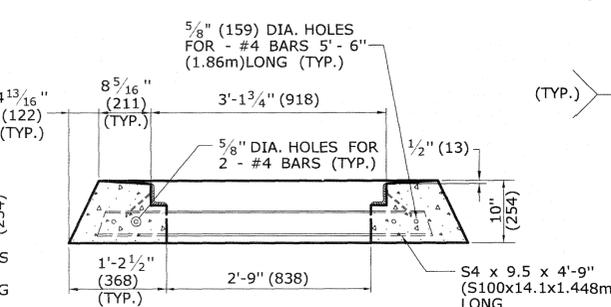


SECTION C

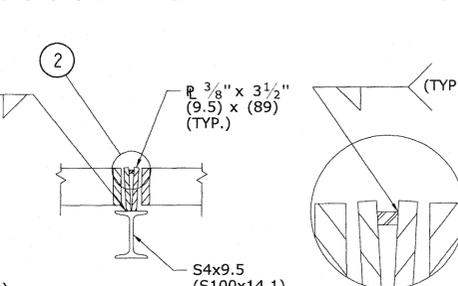


CROSS SECTION

TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE I TOP

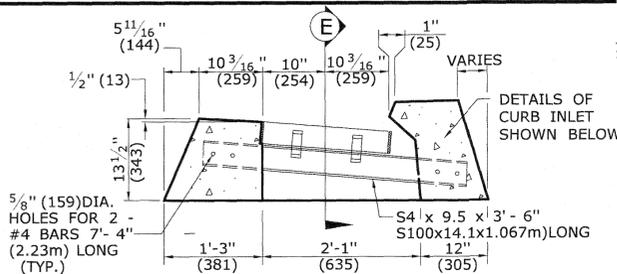


SECTION D

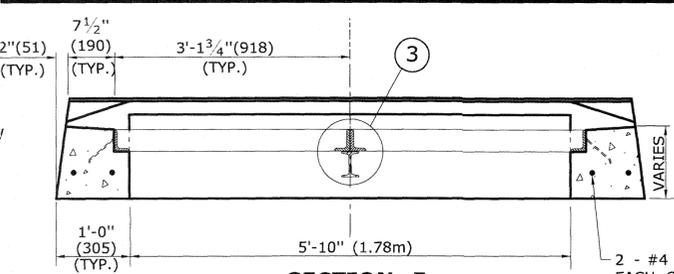


DETAIL "1"

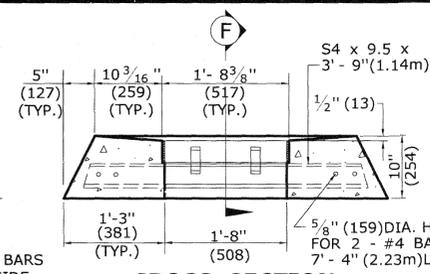
DETAIL "2"



CROSS SECTION
TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE II TOP

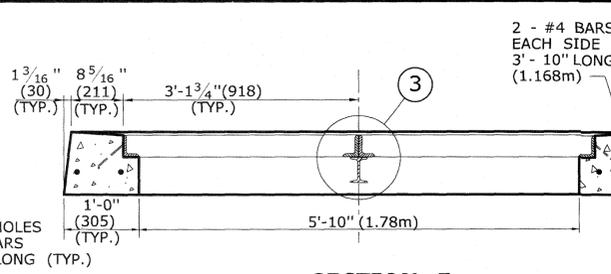


SECTION E

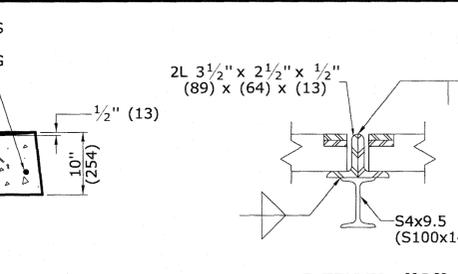


CROSS SECTION

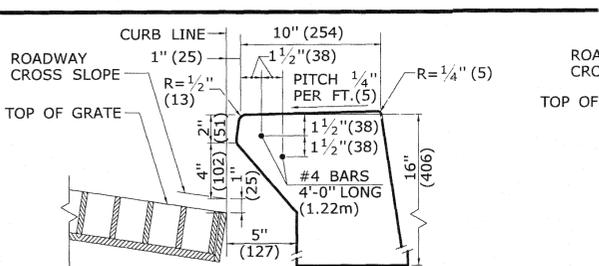
TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE II TOP



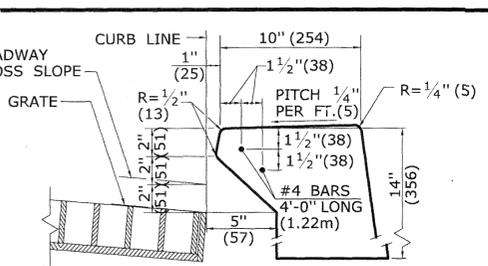
SECTION F



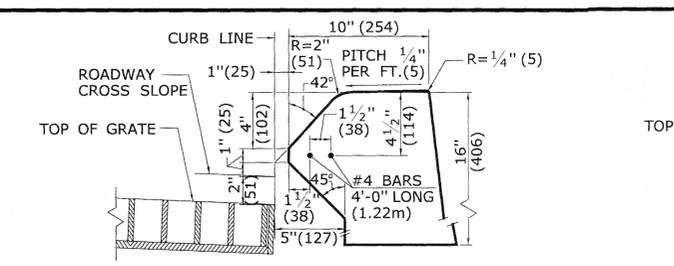
DETAIL "3"



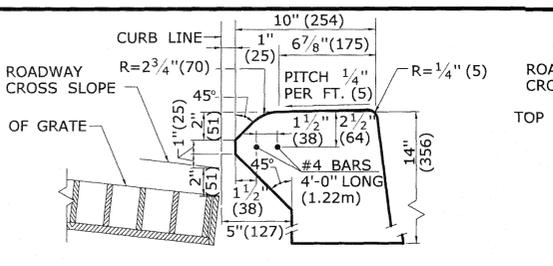
INLET WITH 6" (152) CONCRETE OR STONE CURBING FOR TYPE "C" CB



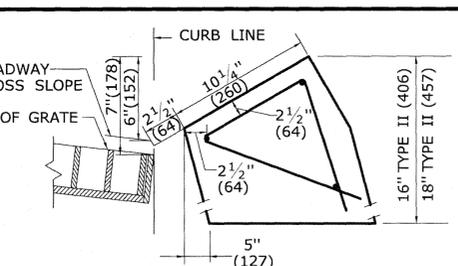
INLET WITH NO CURBING (PLAIN TYPE) FOR TYPE "C" CB



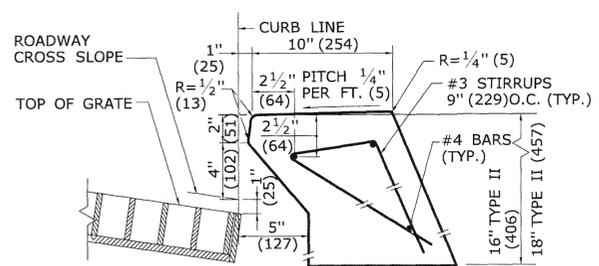
INLET WITH 6" (152) BITUMINOUS CONCRETE LIP CURBING FOR TYPE "C" CB



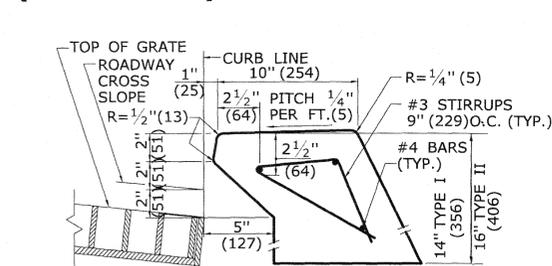
INLET WITH 4" (102) CONCRETE PARK CURBING FOR TYPE "C" CB



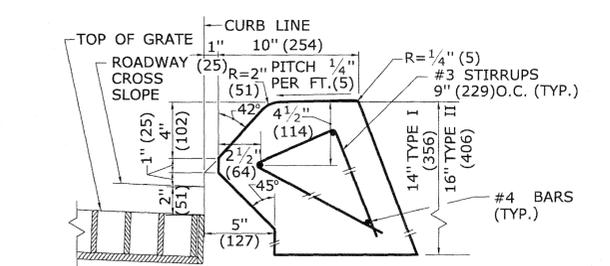
INLET WITH GRANITE SLOPE CURB FOR TYPE "C" CB



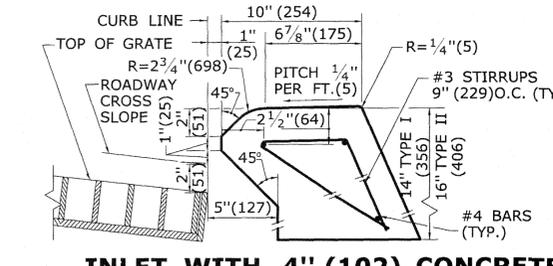
INLET WITH 6" (152) CONCRETE OR STONE CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



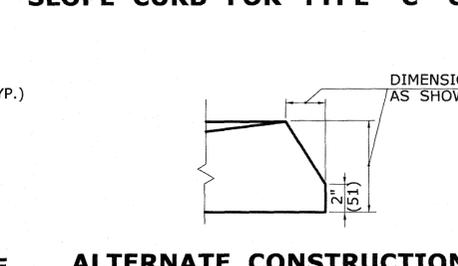
INLET WITH NO CURBING (PLAIN TYPE) FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



INLET WITH 6" (152) BITUMINOUS CONCRETE LIP CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



INLET WITH 4" (102) CONCRETE PARK CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



ALTERNATE CONSTRUCTION OF TYPE II TOP

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

REV.	DATE	REVISION DESCRIPTION
2	7/28/11	REMOVE MIN. DROP NOTE
1	6/01/10	REVISE CALL-OUT

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Plotted Date: 11/10/2011

Filename: CTDOT-HWY-STD-Nov2011.dgn Model: 12-HW-507_07

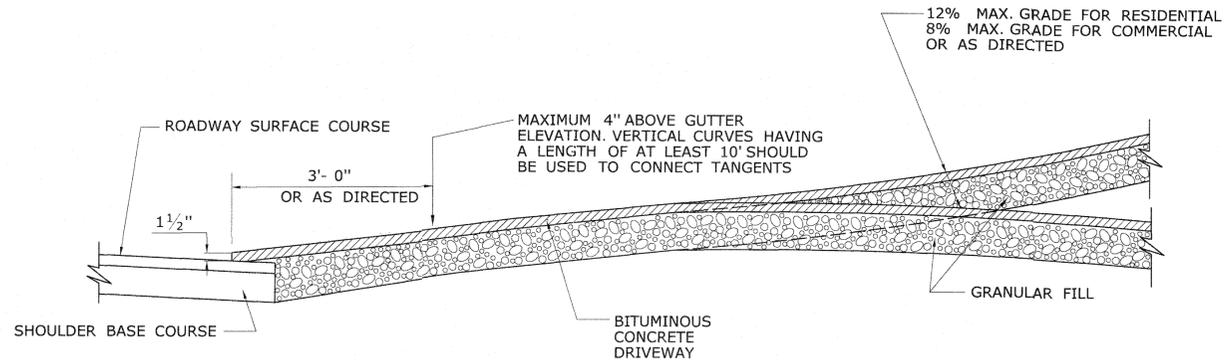
SUBMITTED BY: NAME/DATE/TIME:

APPROVED BY: NAME/DATE/TIME:

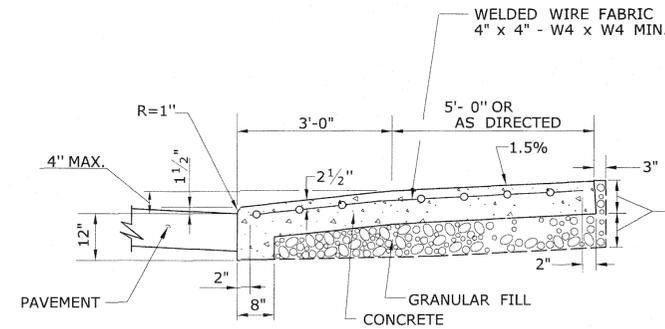
CTDOT
STANDARD SHEET
OFFICE OF ENGINEERING

TYPE "C" & "C-L" CATCH BASIN
TOPS AND CURBS

STANDARD SHEET NO.:
HW-507_07

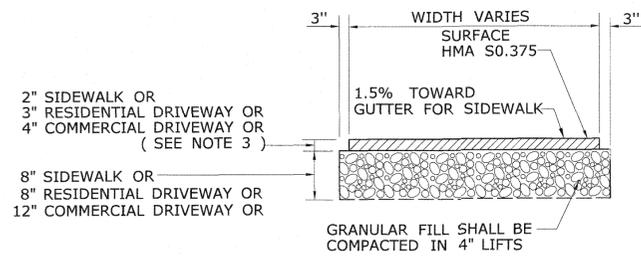


SECTION A

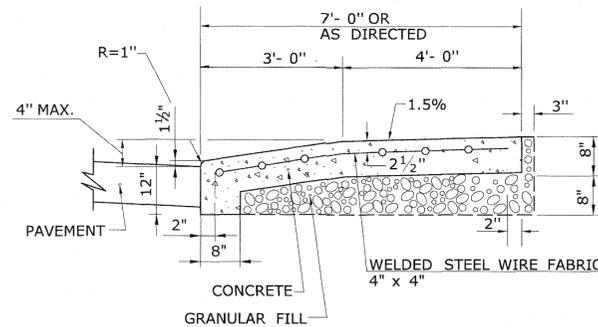


SECTION C

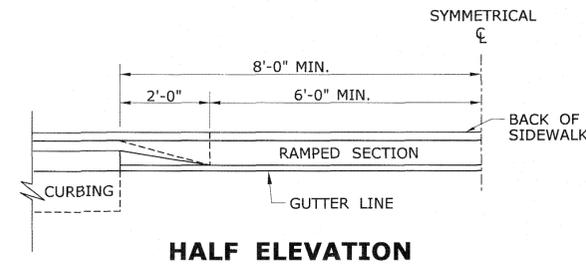
- GENERAL NOTES:**
- DRIVEWAY ENTRANCE SHALL BE A MINIMUM OF 12' WIDE, EXCLUDING CURBING WHEN PRESENT.
 - WELDED WIRE FABRIC MATS WITH REINFORCING AT CLOSER SPACING MAY BE USED.
 - SURFACE HMA S0.375 TO BE PLACED IN TWO EQUAL LIFTS FOR BOTH RESIDENTIAL AND COMMERCIAL DRIVEWAYS.



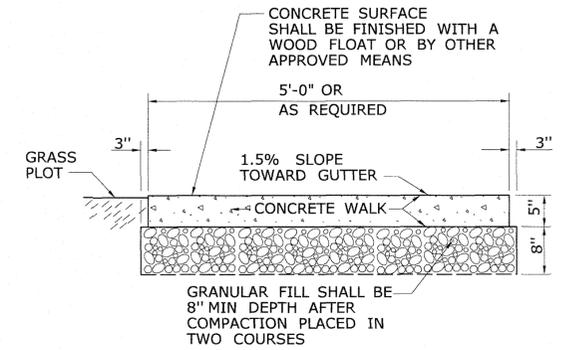
**TYPICAL SECTION
BITUMINOUS CONCRETE
SIDEWALK AND DRIVEWAY**



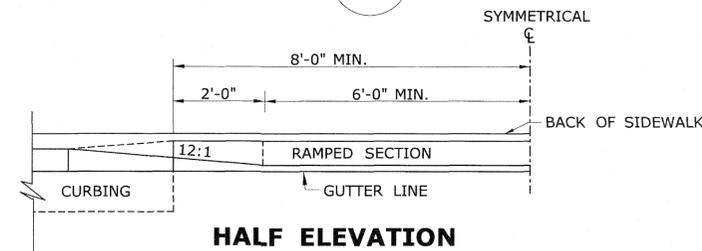
SECTION B



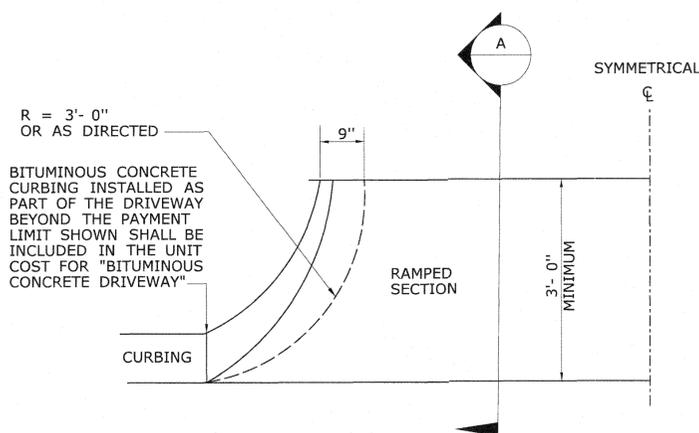
HALF ELEVATION



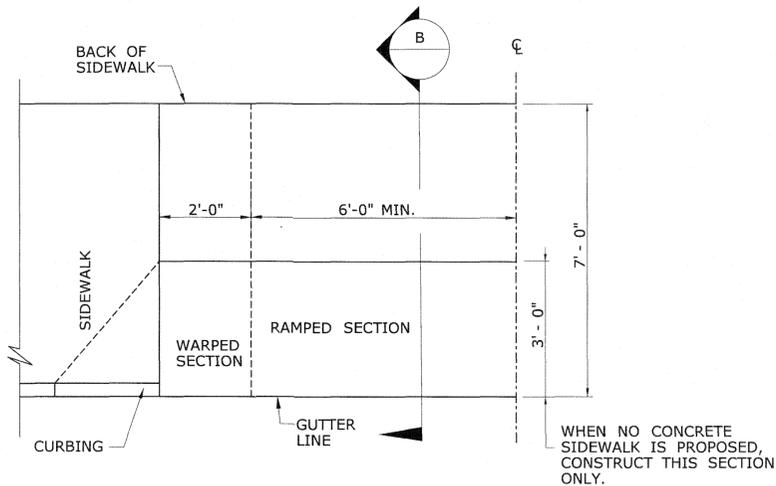
**SECTION D
5' WIDE CONCRETE
SIDEWALK WITH GRASS PLOT**



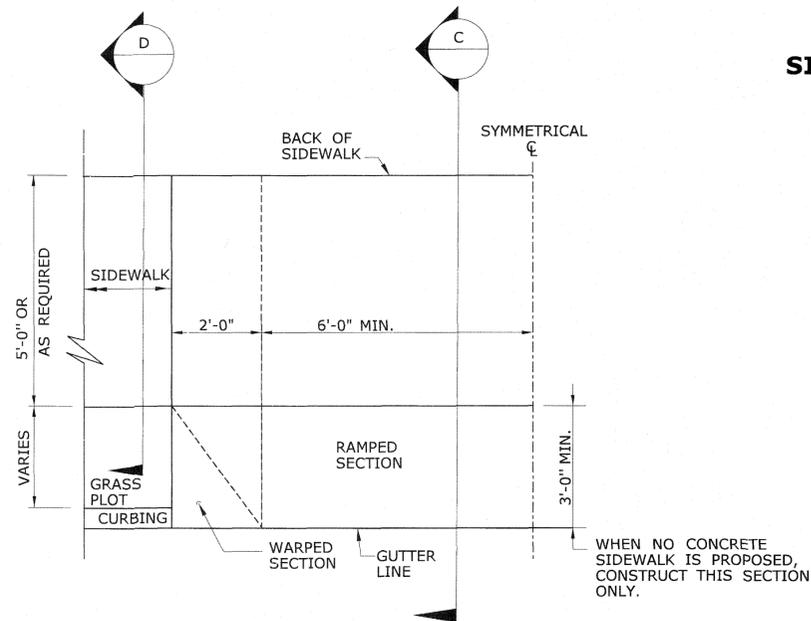
HALF ELEVATION



**HALF BITUMINOUS CONCRETE
DRIVEWAY PLAN**



**HALF PLAN OF
CONCRETE DRIVEWAY RAMP WHERE
SIDEWALK ADJOINS CURBING**



**HALF PLAN OF
CONCRETE DRIVEWAY RAMP WHERE
CURB IS SEPARATED FROM
SIDEWALK BY GRASS PLOT**

REV.	DATE	REVISION DESCRIPTION
1	6/01/10	REVISED BORDER TITLE
2	6/01/10	REVISED HALF ELEVATION DETAILS
3	1/12	REVISE 2% MAX. SLOPE NOTE
4	6/17	REVISED SLOPES & MATERIAL COMPOSITIONS
-	-	INCREASED WALKING WIDTH OF CONCRETE DRIVEWAY RAMP

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 6/6/2017

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

NOT TO SCALE

SUBMITTED BY: NAME/DATE/TIME:

APPROVED BY: NAME/DATE/TIME:

CTDOT
STANDARD SHEET
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
DRIVEWAY RAMPS AND SIDEWALKS

STANDARD SHEET NO.:
HW-921_01

GENERAL REQUIREMENTS

GENERAL
 THE TERM CONTRACTOR SHALL MEAN ELECTRICAL CONTRACTOR. AFTER CAREFULLY STUDYING THE DRAWINGS AND SPECIFICATIONS, AND BEFORE SUBMITTING THE PROPOSAL, EACH BIDDER SHALL VISIT THE SITE TO ASCERTAIN CONDITIONS OF THE SITE, AND THE NATURE AND EXACT QUANTITY OF WORK TO BE PERFORMED. NO EXTRA WILL BE ALLOWED IF THE CONTRACTOR FAILS TO NOTIFY THE ENGINEER/OWNER IN WRITING OF ANY DISCREPANCIES THAT HE MAY HAVE NOTED BETWEEN THE EXISTING CONDITIONS AND DRAWINGS AND SPECIFICATIONS.

THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS OF HIS OWN OR OTHERS AT THE SITE, AND SHALL BE RESPONSIBLE FOR CORRECTNESS OF SAME AS RELATED TO HIS WORK.

THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR ALL COORDINATION OF ANY ITEMS REGARDING UTILITY COMPANIES. ALL COSTS ASSOCIATED WITH UTILITY COMPANIES SHALL BE INCLUDED IN CONTRACTOR'S BASE BID AND SHALL BE CONSIDERED A PART OF THIS PROJECT.

CODES, REGULATIONS AND STANDARDS
 ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE CODES LISTED IN THE ELECTRICAL SPECIFICATIONS.

GENERAL CONSTRUCTION NOTES

- PERSONNEL SAFETY IS OF PRIME IMPORTANCE. NO HAZARDOUS CONDITIONS SHALL BE ALLOWED. EVERY CARE SHALL BE TAKEN TO PROTECT CONSTRUCTION AND OTHER PERSONNEL. CLEANUP IS TO BE DONE ON A DAILY BASIS.
- THE ELECTRICAL CONTRACTOR SHALL INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS INSTRUCTION AND OR REQUIREMENTS FOR PROPER OPERATION AND MAINTENANCE.
- THE TERM "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL IN COMPLETE WORKING ORDER.
- ALL THE WIRE SIZES ARE BASED ON COPPER THHN 75°C, ALUMINUM IS NOT TO BE USED.
- THIS JOB IS A RENOVATION PROJECT. BEFORE SUBMITTING THE BID, THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS UNDER WHICH THE WORK AND WORK OF OTHER TRADES WILL BE INSTALLED. THIS CONTRACT INCLUDES ALL NECESSARY OFFSETS, TRANSITIONS, MODIFICATIONS AND RELOCATION OF EXISTING EQUIPMENT FOR INSTALLATION OF NEW ELECTRICAL EQUIPMENT AND NEW EQUIPMENT OF OTHER TRADES. LIGHTING FIXTURES, DEVICES, CONDUIT, WIRING, ETC.). ALL NEW AND EXISTING EQUIPMENT AND SYSTEMS SHALL BE FULLY OPERATIONAL UNDER THIS CONTRACT BEFORE THE JOB IS CONSIDERED COMPLETE. THE ELECTRICAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY ASSUMPTIONS MADE, ANY OMISSIONS OR ERRORS MADE AS A RESULT OF THE ELECTRICAL CONTRACTOR'S FAILURE WITH HIS INSPECTION OF EXISTING CONDITIONS AND REVIEW OF ALL OTHER TRADE DOCUMENTS.

GENERAL NOTES

- NOTE: CONTRACTOR SHALL MEAN ELECTRICAL CONTRACTOR
- ALL EQUIPMENT LOCATIONS ARE TO BE VERIFIED WITH CIVIL DRAWINGS DRAWINGS AND CONDITIONS IN THE FIELD.
 - THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND CONSULT WITH MECHANICAL DRAWINGS FOR POWER REQUIREMENTS OF THOSE TRADES.
 - THE WORK SHALL BE COORDINATED WITH ALL OTHER TRADES AND PROVIDE OTHERS WITH NECESSARY INFORMATION TO COMPLETE THIS INSTALLATION. DRAWINGS ARE TO BE USED IN CONJUNCTION WITH SPECIFICATIONS ISSUED FOR THIS INSTALLATION.
 - ANY WORK INSTALLED CONTRARY TO, OR WITHOUT APPROVAL BY THE ENGINEER SHALL BE SUBJECT TO CHANGE AS DIRECTED BY THE ENGINEER AND NO EXTRA COMPENSATION WILL BE ALLOWED THE CONTRACTOR FOR MAKING THESE CHANGES.
 - CONDUIT & CABLE RUNS ARE SHOWN DIAGRAMMATICALLY ONLY AND SHALL BE INSTALLED IN A MANNER TO PREVENT CONFLICTS WITH EQUIPMENT AND SITE CONDITIONS.
 - THE WIRING DIAGRAMS, QUANTITY AND SIZE OF WIRES AND CONDUIT REPRESENTS A SUGGESTED ARRANGEMENT BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL EQUIPMENT. MODIFICATIONS APPROVED BY THE ENGINEER MAY BE MADE BY THE CONTRACTOR TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED. THE BASIC SEQUENCE AND METHOD OF CONTROL SHALL BE MAINTAINED AS INDICATED ON THE DRAWINGS.
 - EACH CIRCUIT SHALL HAVE ITS OWN NEUTRAL, SHARED NEUTRALS ARE NOT ALLOWED.
 - ALL EXTERIOR PULLBOXES, JUNCTION BOXES, AND SWITCH BOXES SHALL BE NEMA 4.
 - ALL JUNCTION BOXES INDICATED AND/OR REQUIRED SHALL BE SIZED TO ACCOMMODATE INCOMING AND OUTGOING FEEDERS.
 - ALL BRANCH CIRCUIT WIRES & ALL FEEDERS SHALL BE PERMANENTLY TAGGED AT THE PANEL CONNECTIONS WITH "BRADY" MARKERS.

CODES REGULATIONS AND STANDARDS

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING APPROVED CODES:
- 2018 CONNECTICUT STATE BUILDING CODE:
 - 2017 NATIONAL ELECTRIC CODE, NFPA 70
 - INTERNATIONAL BUILDING CODE 2015 (ICC)
 - INTERNATIONAL MECHANICAL CODE 2015 (IMC)
 - INTERNATIONAL PLUMBING CODE 2015 (IPC)
 - INTERNATIONAL ENERGY CONSERVATION CODE 2015 (IECC)
 - INTERNATIONAL EXISTING BUILDING CODE 2015 (IEBC) (EXISTING BUILDINGS)
 - INTERNATIONAL FIRE CODE 2015 (IFC)
 - LOCAL AUTHORITIES HAVING JURISDICTION (LAHJ)
 - O.S.H.A. REGULATIONS
 - 2010 AMERICANS WITH DISABILITIES ACT, ADA REQUIREMENTS (FEDERAL LAW)

LOCATION AND ELEVATION OF UNDERGROUND UTILITIES UNLESS OTHERWISE NOTED IS UNKNOWN AND SHOULD BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION

ANY USE OR REUSE OF ORIGINAL OR ALTERED CAD DESIGN MATERIALS BY THE CLIENT, CONTRACTOR OR OTHER PARTIES WITHOUT THE WRITTEN AND EXPLICIT APPROVAL OF AN AUTHORIZED REPRESENTATIVE OF NAFIS & YOUNG ENGINEERS, INC. SHALL BE AT THE SOLE RISK OF CLIENT, CONTRACTOR, OR OTHER PARTY AGENTS TO DEFEND, INDEMNIFY, AND HOLD NAFIS & YOUNG ENGINEERS, INC. HARMLESS FROM ALL CLAIMS, DAMAGES, LOSSES, EXPENSES AND ATTORNEY'S FEES ARISING OUT OF THE MODIFICATION OR REUSE OF THESE MATERIALS.

ELECTRICAL SCOPE OF WORK

- THE WORK INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:
- EXTERIOR LIGHTING ELECTRICAL DISTRIBUTION SYSTEM, INCLUDING BALANCING LOADS FOR A COMPLETE LIGHTING SYSTEM.
 - EXTERIOR LIGHTING SYSTEM, INCLUDING POLES, PRECAST CONCRETE POLE BASES & ACCESSORIES AS REQUIRED FOR A COMPLETE SYSTEM.
 - EXTERIOR LIGHTING POINT TO POINT LAYOUTS AND CALCULATION SUMMARIES AS REQUIRED.
 - EXTERIOR CALL FOR AID 'BLUE LIGHT' STATION.
 - SHOP DRAWING REVIEWS AND OPERATION MANUALS AS REQUIRED BY THE ELECTRICAL SPECIFICATIONS.

ELECTRICAL ABBREVIATIONS			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
A	AMPS	JB	JUNCTION BOX
AC	ABOVE COUNTER	KCMIL	THOUSAND CIRCULAR MILLS
AFF	ABOVE FINISHED FLOOR	KVA	KILOVOLT-AMPERE
AFG	ABOVE FINISHED GRADE	KW	KILOWATT
AL	ALUMINUM	LP	LIGHTING PANEL
AM	AMMETER	MCB	MAIN CIRCUIT BREAKER
ATC	AUTOMATIC TEMP. CONTROL	MCC	MOTOR CONTROL CENTER
ATS	AUTOMATIC TRANSFER SWITCH	MLO	MAIN LUGS ONLY
AWG	AMERICAN WIRE GAUGE	MTD	MOUNTED
C	CONDUIT	NIC	NOT IN CONTRACT
CAT.	CATALOG	NTS	NOT TO SCALE
CB	CIRCUIT BREAKER	NC	NORMALLY CLOSED
CATV	CABLE TELEVISION	NL	NEW LOCATION OF EXISTING
CCTV	CLOSED CIRCUIT TELEVISION	NO	NORMALLY OPEN
CKT	CIRCUIT	NR	NEW TO REPLACE EXISTING
CLG	CEILING	P	POLE
CU	COPPER	PNL	PANEL
DP	DISTRIBUTION PANEL	PH, Ø	PHASE
D.S.	DISCONNECT SWITCH	PP	POWER PANEL
CONTR.	CONTRACTOR	RE	REMOVE EXISTING
EF	EXHAUST FAN	RL	RELOCATE EXISTING
EM	EMERGENCY	RR	REMOVE AND REPLACE
EWC	ELECTRIC WATER COOLER	RGS	RIGID GALVANIZED STEEL
EX	EXISTING	TEL	TELEPHONE
GFCI	GROUND FAULT CKT. INTERR.	TYP	TYPICAL
GND	GROUND	U.G.	UNDERGROUND
HOA	HAND-OFF-AUTOMATIC	V	VOLTS
HP	HORSE POWER	W	WATTS
HZ	HERTZ	WP	WEATHER PROOF
IG	ISOLATED GROUND	XFMR	TRANSFORMER

TASK	RESPONSIBLE GROUP				
	UNITED ILLUMINATING CO.		ELECTRICAL CONTRACTOR		CIVIL/ELECT. ENGINEER
	PROVIDE	INSTALLS	PROVIDE	INSTALLS	PROVIDE
PREPARE PRINTS & SCHEDULE	X				X
TRENCH / BACKFILL (PER U.I. STANDARD #21005)			X	X	
INSTALLATION OF CONCRETE BASES	X			X	
2" PVC CONDUIT TO CONC. BASE			X	X	
1/4" NYLON PULL LINE			X	X	
2" RIGID GALV. STEEL CONDUIT RISERS ON UTIL. CO. POLES		X	X(A)		
STANDOFFS, THREADLESS WEATHERHEAD, "U" BOLTS AND LAGS		X	X		
DELIVER CONCRETE BASES TO SITE	X				
CONDUCTORS TO FIXTURES	X	X			
CALL FOR AID POLE & POLE CAP			X	X	
CALL FOR AID STATION EQUIPMENT			X	X	
CALL FOR AID ELECTRICAL/TELEPHONE CONDUITS			X	X	
LUMINAIRES, POLES & BANNER ARMS	X			X	
AS-BUILT DRAWINGS			X		
INSPECT WORK	X				X

(A) CONDUIT / INSTALLATION IS A COST ITEM TO CONTRACTOR.
 (B) CONTRACTOR SHALL VERIFY RESPONSIBILITY CHART WITH U.I. PRIOR TO BID AND CARRY ANY CHANGES AND OR CHARGES FROM U.I. AS PART OF HIS BID.

LIGHTING AND SWITCHES	
SYMBOL	DESCRIPTION
☼	NEW POLE-MOUNTED LUMINAIRE
☼	EXISTING POLE-MOUNTED LUMINAIRE
☼	CALL FOR AID BOX (BLUE LIGHT)
○	UTILITY POLE

SYMBOLS SHOWN ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE A CHECK LIST OF DEVICES REQUIRED BY THE CONTRACTOR

- NOTES:**
 1. FOR COMPLETE DESCRIPTION OF FIXTURES, SEE EQUIPMENT SCHEDULE ON DRAWING E2.

ELECTRICAL DRAWING LIST		
DWG. NO.	REV.	DRAWING TITLE
E1	-	GENERAL NOTES, SYMBOL LEGENDS, ABBREVIATIONS, SPECIFICATIONS, & DRAWING LIST
E2	-	EQUIPMENT SCHEDULE, NOTES AND LIGHT POLE DETAILS
E3	-	ROADWAY LIGHTING PLAN - KIMBERLY AVENUE AREA
E4	-	ROADWAY LIGHTING PLAN - PARDEE PLACE AREA
E5	-	UTILITY COMPANY STANDARDS, DETAILS AND NOTES
E6	-	LUMINAIRE, LIGHT POLE, & CALL FOR AID STATION CUT-SHEETS

REFERENCE DRAWINGS		
DWG. NO.	REV.	DRAWING TITLE
16107F-151S	REF	PRIVATE AREA LIGHTING FOR: PARDEE PLACE TO GUILFORD COURT BY UI COMPANY
E7	REF	ROADWAY POINT TO POINT PLAN - KIMBERLY AVENUE AREA
E8	REF	ROADWAY POINT TO POINT PLAN - PARDEE PLACE AREA



Consulting Engineers:
MUSCO ENGINEERING ASSOCIATES
 375 Morgan Lane, Unit 307
 West Haven, CT 06516
 (203) 932-1901 FAX: (203) 931-1550
 www.muscoengineering.com

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GENERAL NOTES, SYMBOL LEGENDS, ABBREVIATIONS, SPECIFICATIONS & DRAWING LIST
MAIN STREET AREA
EAST HAVEN, CONNECTICUT

PREPARED FOR:
 TOWN OF EAST HAVEN

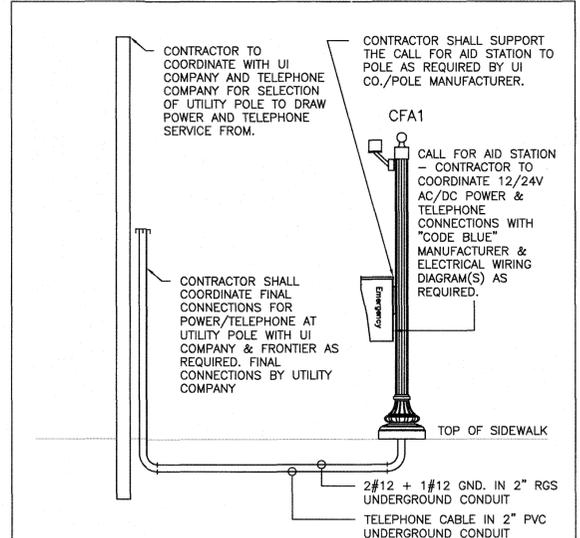


NAFIS & YOUNG ENGINEERS, INC.
 1355 Middletown Avenue
 Northford, Connecticut 06472
 Phone: (203) 484-2793
 Fax: (203) 484-7343
 Email: nyeng@nafisandyoung.com

EQUIPMENT SCHEDULE (BY UI COMPANY)									
TYPE	TYPE	MANUFACTURER	EST. WATTS	CATALOG NUMBER	QTY.	LAMP TYPE	VOLTS	MOUNTING	REMARKS
LIGHT	LA	COOPER	40	ULA-A4-U-SYM-VM8-4N7-GN	14	080-LED	120	CONCRETE BASE	LED POLE-MTD. LUMINAIRE, ACORN TOP, HARTFORD GREEN
POLE	P1	HOLOPHANE	-	WDA-12-FTJ-17-P07-LAB-RAL6009-30% GLOSS RFD234543	14	-	-	CONCRETE BASE	HOLOPHANE FLUTED 12' ALUMINUM POLE, HARTFORD GREEN

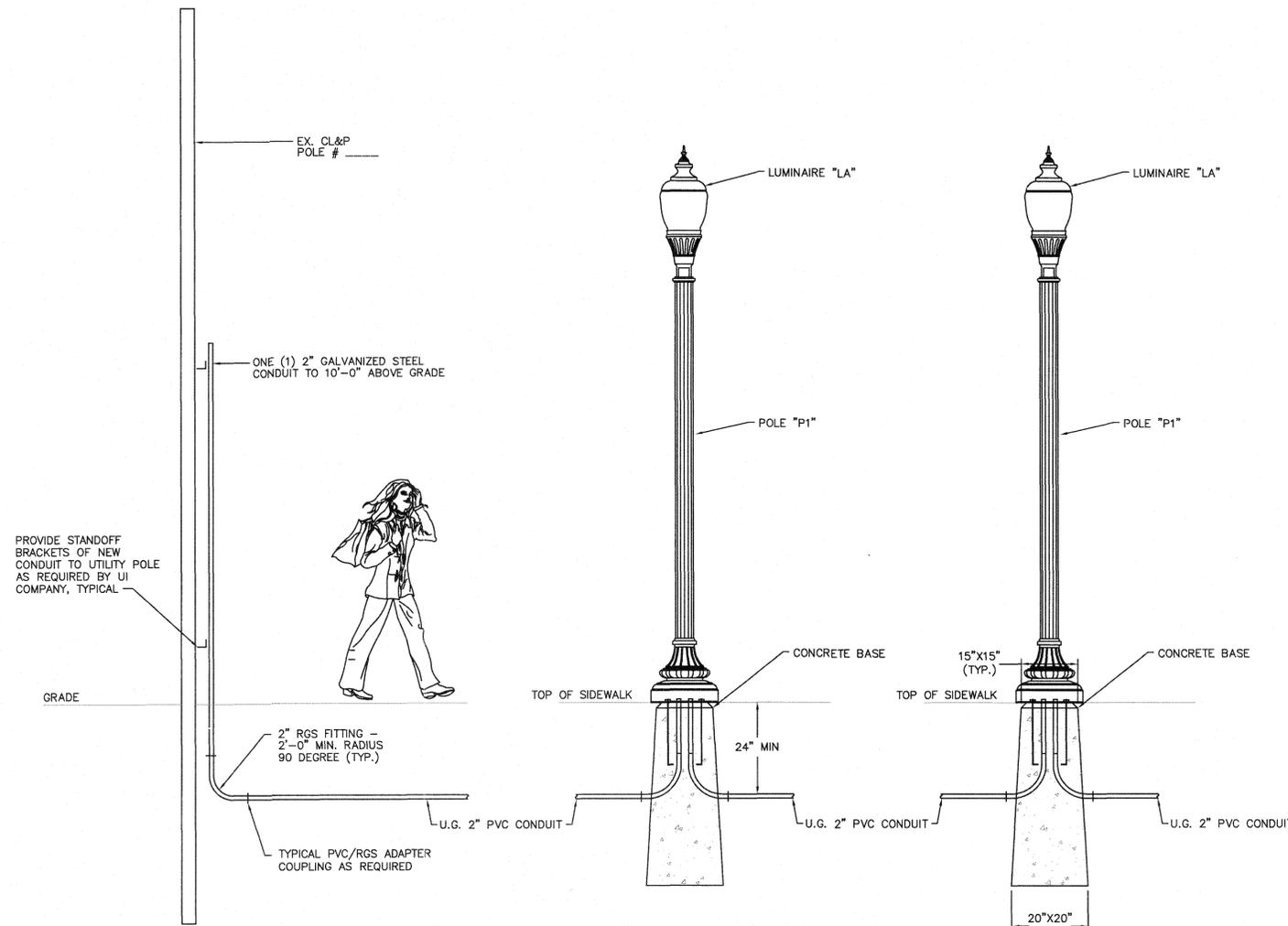
EQUIPMENT SCHEDULE (BY CONTRACTOR)									
TYPE	TYPE	MANUFACTURER	EST. WATTS	CATALOG NUMBER	QTY.	LAMP TYPE	VOLTS	MOUNTING	REMARKS
POLE	P2	HOLOPHANE	-	WDA-08-FTJ-17-P07-ABG-RAL6009-30% GLOSS R138A	1	-	-	CONCRETE BASE	HOLOPHANE FLUTED 8' ALUMINUM POLE, HARTFORD GREEN, WITH MOUNTED "CALL FOR AID" BLUE-LIGHT BOX
CAP	C	HOLOPHANE	-	BF	1	-	-	TENON	CAST ALUMINUM FINIAL MOUNTED ON 3" O.D. X 3" TALL TENON
CALL BOX	B1	CODE BLUE	-	CB 4-U SIGNATURE CALL BOX	1	-	-	POLE	EMERGENCY CALL BOX, GLOSS BLACK FINISH, "EMERGENCY" TEXT
BEACON	B2	CODE BLUE	-	S-1000 LED BEACON/STROBE	1	LED	12/24V AC/DC	POLE	LED BEACON/STROBE, POLE MOUNT, STAINLESS STEEL

- NOTES**
- CONDUIT SHALL BE A MINIMUM 24" FROM TOP OF PIPE TO GRADE.
 - CONDUIT INSIDE BASES IS RGS. PROVIDE PVC/RGS ADAPTER COUPLING TO CONNECT DIFFERENT TYPES OF CONDUIT.
 - TYPE "LA" FIXTURE AND TYPE "P1" POLE ARE TO BE ORDERED BY UI COMPANY. ALL OTHER EQUIPMENT FALLS UNDER THE RESPONSIBILITY OF THE CONTRACTOR.
 - UI COMPANY TO PROVIDE ALL CONCRETE BASES FOR LIGHT FIXTURES. ANY ADDITIONAL BASES AS REQUIRED FALL UNDER THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH UI COMPANY.
 - CONTRACTOR TO PROVIDE AND INSTALL ALL MATERIALS FOR CALL FOR AID STATION INCLUDING EQUIPMENT, POLE MATERIALS, AND THE CONCRETE BASE FROM UI COMPANY.

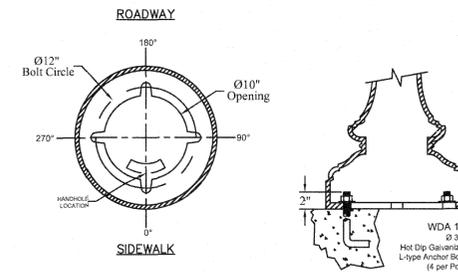


- NOTES**
- CONTRACTOR TO NEGOTIATE AND COORDINATE WITH UI COMPANY ON THE INSTALLATION OF CALL FOR AID STATION.
 - MATERIAL AND LABOR BY CONTRACTOR.

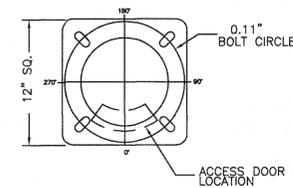
CALL FOR AID ONE-LINE DIAGRAM
N.T.S.



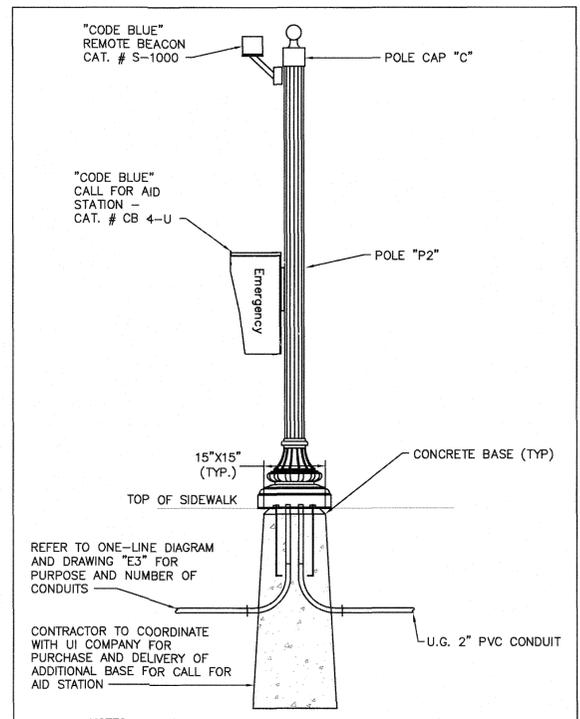
TYPICAL LIGHT POLE ELEVATION
N.T.S.



ANCHORAGE GUIDE
TYPE LA



ANCHORAGE GUIDE
TYPE LB



- NOTES**
- MATERIAL AND LABOR BY CONTRACTOR.

CALL FOR AID ELEVATION
N.T.S.

LOCATION AND ELEVATION OF UNDERGROUND UTILITIES UNLESS OTHERWISE NOTED IS UNKNOWN AND SHOULD BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION

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375 Morgan Lane, Unit 307
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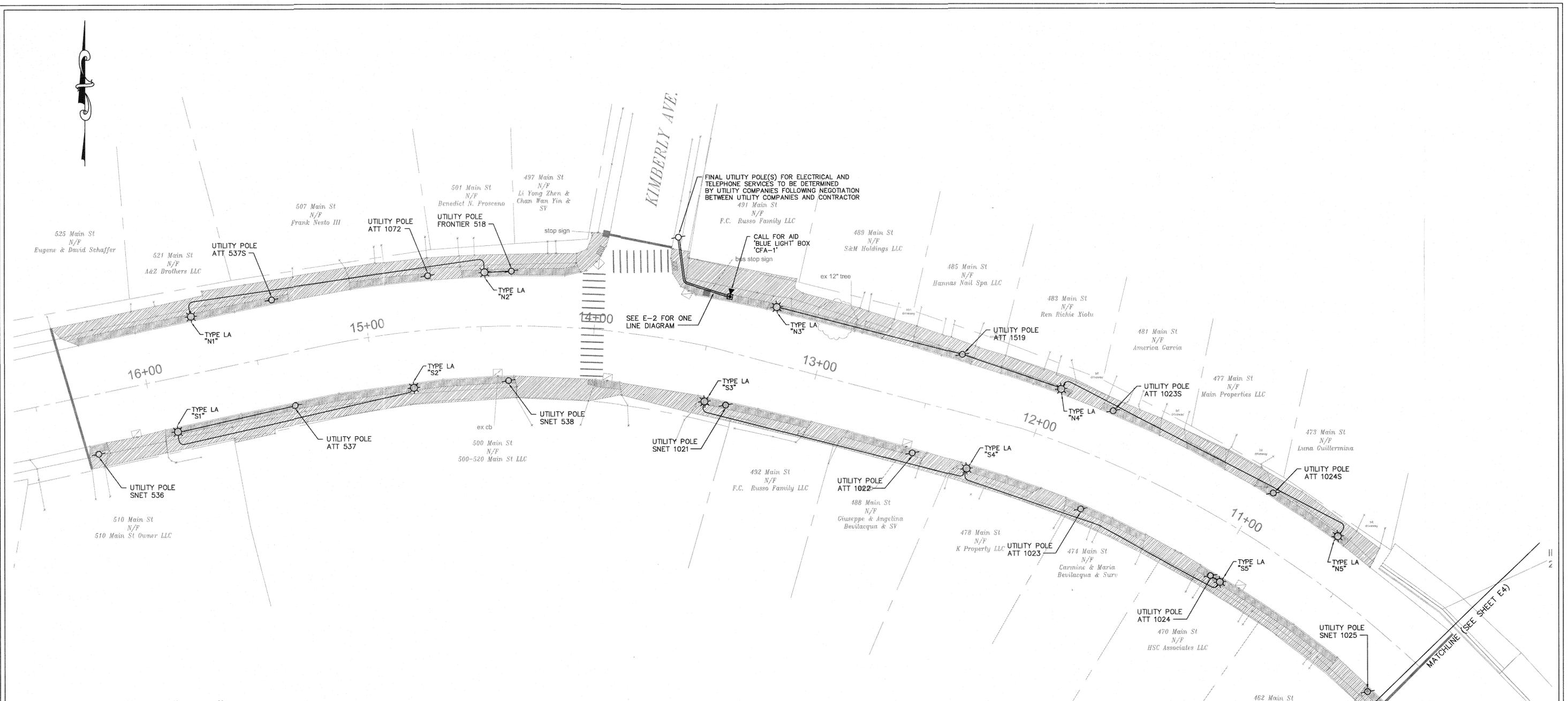
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EQUIPMENT SCHEDULES, NOTES & LIGHT POLE DETAILS
MAIN STREET AREA
EAST HAVEN, CONNECTICUT

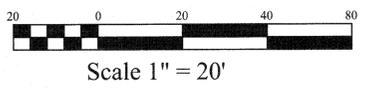
PREPARED FOR:
TOWN OF EAST HAVEN



NAFIS & YOUNG ENGINEERS, INC.
1355 Middletown Avenue
Northford, Connecticut 06472
Phone: (203) 454-2793
Fax: (203) 484-7343
Email: nyeng@nafisandyoung.com



ROADWAY LIGHTING PLAN - KIMBERLY AVE. AREA



- NOTES**
1. REFER TO CIVIL ENGINEER DRAWINGS FOR EXACT LOCATIONS OF NEW FIXTURES AND BASES.
 2. ALL UNDERGROUND CONDUIT SHALL BE A MINIMUM OF 2" PER UI STANDARDS. REFER TO ONE LINE DIAGRAMS ON DRAWING E2 & UI REFERENCE DRAWING ATTACHED TO THIS SET.
 3. REFER TO REFERENCE DRAWING BY UI #16107F-151S FOR WIRING SIZES TO BE USED.
 4. COORDINATE WITH UI COMPANY FOR EXACT ROUTING LOCATIONS OF CONDUIT & WIRING.

- UTILITIES**
- ELECTRIC**
 UNITED ILLUMINATING
 180 MARSH HILL ROAD
 NEW HAVEN, CT
 1-800-257-0141
- CABLE TV**
 COMCAST
 904 CHAPEL STREET
 NEW HAVEN, CT
 1-800-266-2278
- TELEPHONE**
 FRONTIER
 325 MORSE STREET
 HAMDEN, CT
 1-203-495-8836
- WATER**
 SOUTH CT. REGIONAL WATER AUTHORITY
 90 SARGENT DRIVE
 NEW HAVEN, CT
 1-203-654-3119
- GAS SERVICE**
 THE SOUTHERN CONNECTICUT GAS CO.
 60 MARSH HILL ROAD
 ORANGE, CT
 1-866-268-2887

IMPORTANT! READ!
WARNING AND DISCLAIMER OF LIABILITY
UNDERGROUND UTILITIES

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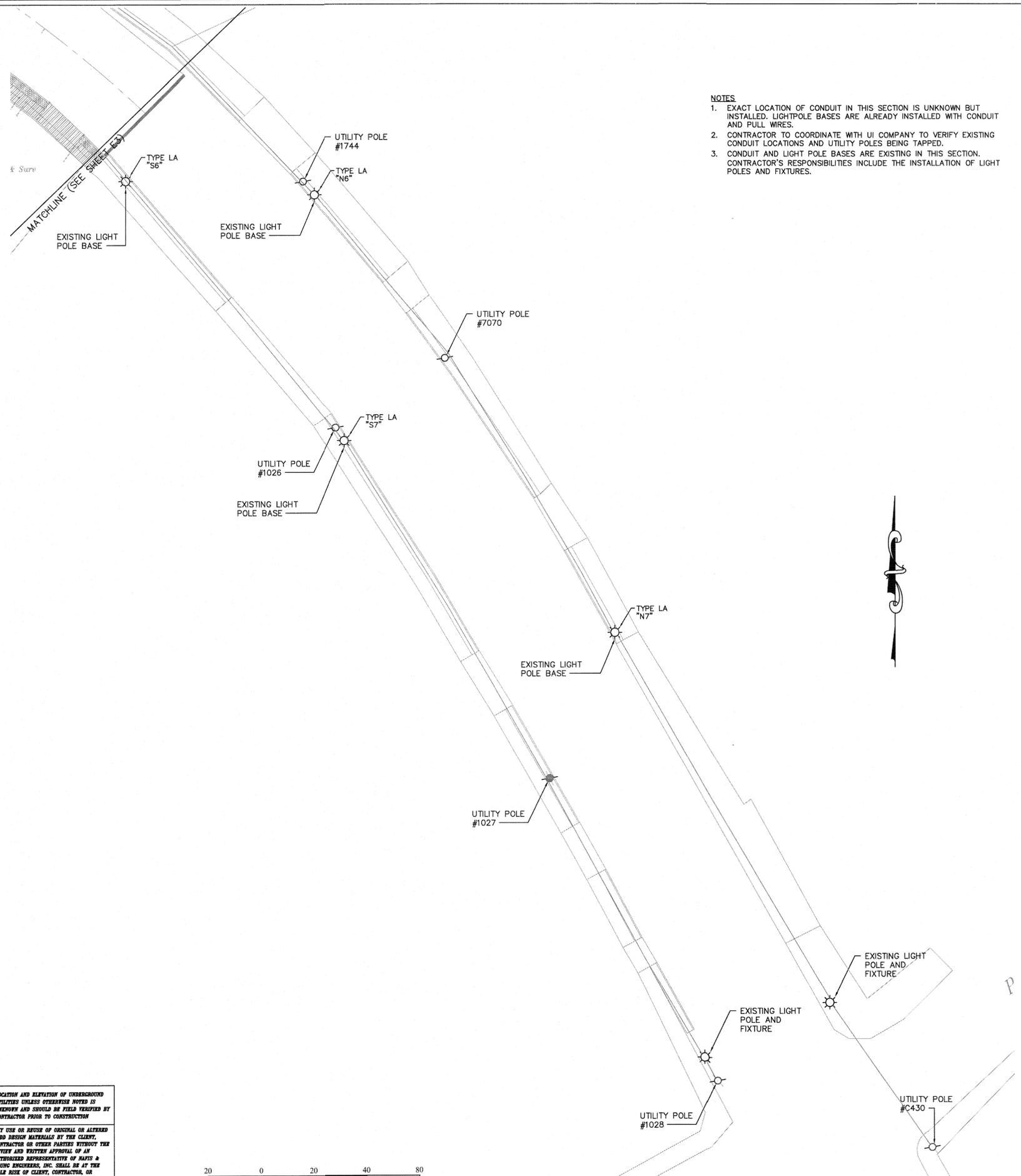
ROADWAY LIGHTING PLAN - KIMBERLY AVENUE AREA
MAIN STREET AREA
EAST HAVEN, CONNECTICUT

PREPARED FOR:
 TOWN OF EAST HAVEN

NOVEMBER 11, 2020

NAFIS & YOUNG ENGINEERS, INC.
 1355 Middletown Avenue
 Northford, Connecticut 06472
 Phone: (203) 484-2793
 Fax: (203) 484-7343
 Email: nyeng@nafisandyoung.com

JOB NO. 14-086 SHEET NO. E3



- NOTES**
1. EXACT LOCATION OF CONDUIT IN THIS SECTION IS UNKNOWN BUT INSTALLED. LIGHTPOLE BASES ARE ALREADY INSTALLED WITH CONDUIT AND PULL WIRES.
 2. CONTRACTOR TO COORDINATE WITH UI COMPANY TO VERIFY EXISTING CONDUIT LOCATIONS AND UTILITY POLES BEING TAPPED.
 3. CONDUIT AND LIGHT POLE BASES ARE EXISTING IN THIS SECTION. CONTRACTOR'S RESPONSIBILITIES INCLUDE THE INSTALLATION OF LIGHT POLES AND FIXTURES.

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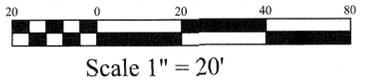
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- UTILITIES**
- | | |
|---|--|
| ELECTRIC
UNITED ILLUMINATING
180 MARSH HILL ROAD
ORANGE, CT
1-800-257-0141 | WATER
SOUTH. CT. REGIONAL WATER AUTHORITY
90 SARGENT DRIVE
NEW HAVEN, CT
1-203-654-3119 |
| CABLE TV
COMCAST
904 CHAPEL STREET
NEW HAVEN, CT
1-800-266-2278 | GAS SERVICE
THE SOUTHERN CONNECTICUT GAS CO.
80 MARSH HILL ROAD
ORANGE, CT
1-866-268-2887 |
| TELEPHONE
FRONTIER
325 MORSE STREET
HAMDEN, CT
1-203-495-8836 | |

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ROADWAY LIGHTING PLAN - PARDEE PLACE AREA



Consulting Engineers:
ME MUSCO ENGINEERING ASSOCIATES
 375 Morgan Lane, Unit 307
 West Haven, CT 06516
 (203) 932-1901 FAX (203) 931-1550
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PARDEE PLACE AREA
MAIN STREET AREA
EAST HAVEN, CONNECTICUT

PREPARED FOR:
 TOWN OF EAST HAVEN

NOVEMBER 11, 2020

NAFIS & YOUNG ENGINEERS, INC.
 1355 Middletown Avenue
 Northford, Connecticut 06472
 Phone: (203) 464-2793
 Fax: (203) 464-7343
 Email: nyeng@nafisandyoung.com

JOB NO. 14-066 SHEET NO. E4



UI Standards, Installation Procedures for Underground-Fed Lighting (UI's Outdoor Lighting Program)

Prior to your construction, please contact UI's Construction Manager:

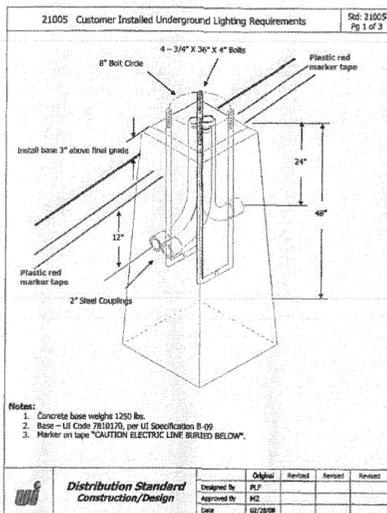
Tony Antonino antonino@ui.com (203) 936-4977 - office (203) 314-8178 - cell	Brian Boon boon@ui.com (203) 499-2657 - office (203) 436-7481 - cell	Bill Schibert schibert@ui.com (203) 499-1781 - office (203) 215-2986 - cell
East Haven Hamden New Haven North Haven North Branford	Easton Fairfield Trumbull Bridgeport Shelton Seaside Dorley Aspen	Orange Middletown West Haven Woodbridge

Customer's Responsibilities

- Customer to provide UI with site drawing. UI Engineer will provide electrical trenching & wiring drawing.
- The customer is responsible for supplying all material to the conduit system. UI will provide concrete bases to the customer to install. UI will provide and install all wire and lights.
- Customer to install concrete bases that will be delivered to the site by UI.
- Provide and install all 2" PVC (Schedule 40) and tag-lines to appropriate power source as shown on a UI electrical trenching and wiring drawing that will be provided by UI Engineer. Galvanized steel or concrete encased PVC is usually required under roadway and/or paved parking areas. This will be shown on UI's electrical trenching and wiring drawing. See *UI Standard #21005 attached*.
- An adapter male PVC 2" coupling is required to attach PVC to the concrete base. *Duct tape is not acceptable*. Concrete bases should be installed approximately 2" above final grade. See *UI Standard #21005 attached*.
- If riser poles are involved, the Customer is to provide necessary 2" galvanized steel conduit for ALL sections of the pole and associated material (standoff brackets, threadless weatherhead, "U" bolts, and lag bolts). Customer to install first ten feet of conduit, UI to install the remaining material (all provided by Customer). See *UI Standard #18001 attached*.
- Tag-lines must be a minimum of 400 lb test. Tag-lines should not be installed until all glue has dried in conduit. See *UI Standard #21005 attached, Item J*.
- Care must be taken when backfilling the trench. Many times PVC is crushed by backfill. See *UI Standard #21005 attached, Items F & H*.
- When stubbing conduit into an underground transformer or secondary pedestal, you must contact your Construction Manager for assistance in excavation and tag-line. See *UI Standard #21005 attached, Item A*.
- UI electrical trenching and wiring drawing (provided by UI Engineer) cannot be changed without the approval of the Underground Construction Manager.
- All trenches and base installation **MUST** be inspected by UI's Underground Construction Manager **PRIOR** to back-filling.

In the event UI's equipment is damaged, the Customer/Developer will be held financially responsible for UI's damaged material. This includes bases, shafts, fixtures, transformers, etc. If the base studs are damaged, the studs cannot be repaired; the entire base must be replaced at the Customer/Developer's expense.

Should any problems be encountered during construction, please contact your Underground Construction Manager.
Revised June 6, 2020/ajp

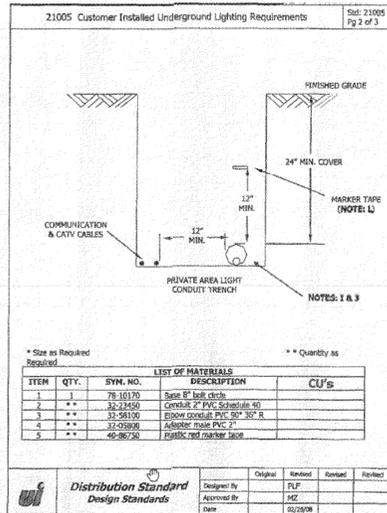


Distribution Standard Construction/Design		Original	Revised	Revised	Revised
Designed By	HL	HL			
Approved By	MZ	MZ			
Date	02/28/08				

03/05/15

Page 5 of 8

TYPE "LA" & "CFA" BASE DETAIL

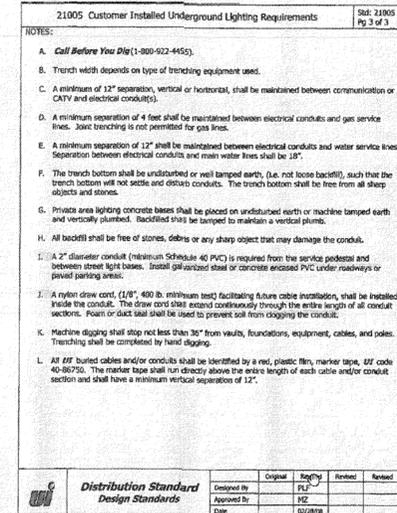


ITEM	QTY.	SYM. NO.	LIST OF MATERIALS DESCRIPTION	CU's
1	1	78-10170	Base 8" bolt circle	
2	**	22-2450	Conduit 2" PVC Schedule 40	
3	**	31-26100	Elbow conduit, PVC, 90° 3/4" R	
4	**	32-03900	Adapter male PVC 2"	
5	**	40-98750	Plastic red marker tape	

Distribution Standard Design Standards		Original	Revised	Revised	Revised
Designed By	HL	HL			
Approved By	MZ	MZ			
Date	02/28/08				

03/05/15

Page 6 of 8

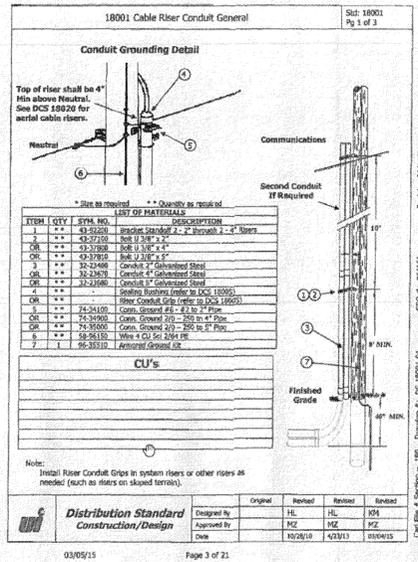


ITEM	QTY.	SYM. NO.	LIST OF MATERIALS DESCRIPTION	CU's
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Distribution Standard Design Standards		Original	Revised	Revised	Revised
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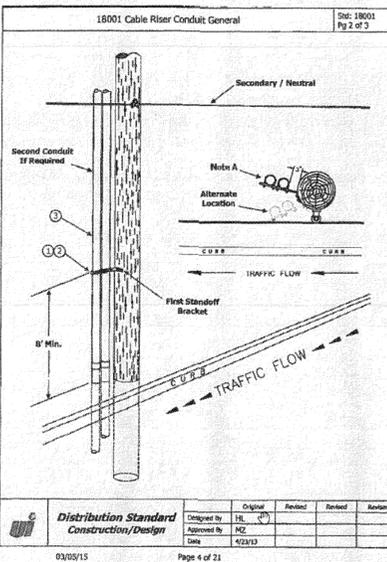
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Distribution Standard Construction/Design		Original	Revised	Revised	Revised
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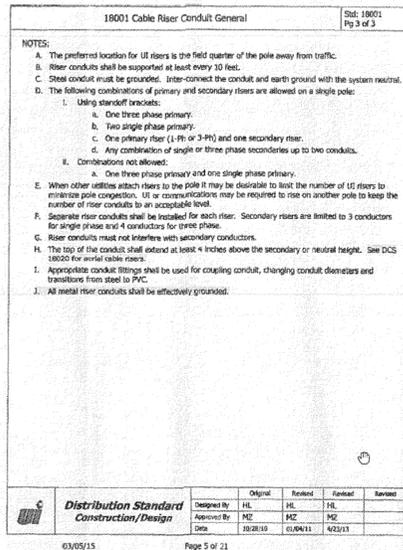
Page 3 of 21



Distribution Standard Construction/Design		Original	Revised	Revised	Revised
Designed By	HL	HL			
Approved By	MZ	MZ			
Date	02/28/08				

03/05/15

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Distribution Standard Construction/Design		Original	Revised	Revised	Revised
Designed By	HL	HL			
Approved By	MZ	MZ			
Date	02/28/08				

03/05/15

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UTILITY COMPANY STANDARDS, DETAILS AND NOTES
MAIN STREET AREA
EAST HAVEN, CONNECTICUT

PREPARED FOR:
TOWN OF EAST HAVEN

NOVEMBER 11, 2020



NAFIS & YOUNG ENGINEERS, INC.
 1355 Middletown Avenue
 Northford, Connecticut 06472
 Phone: (203) 484-2793
 Fax: (203) 484-7343
 Email: nyeng@nafisandyoung.com

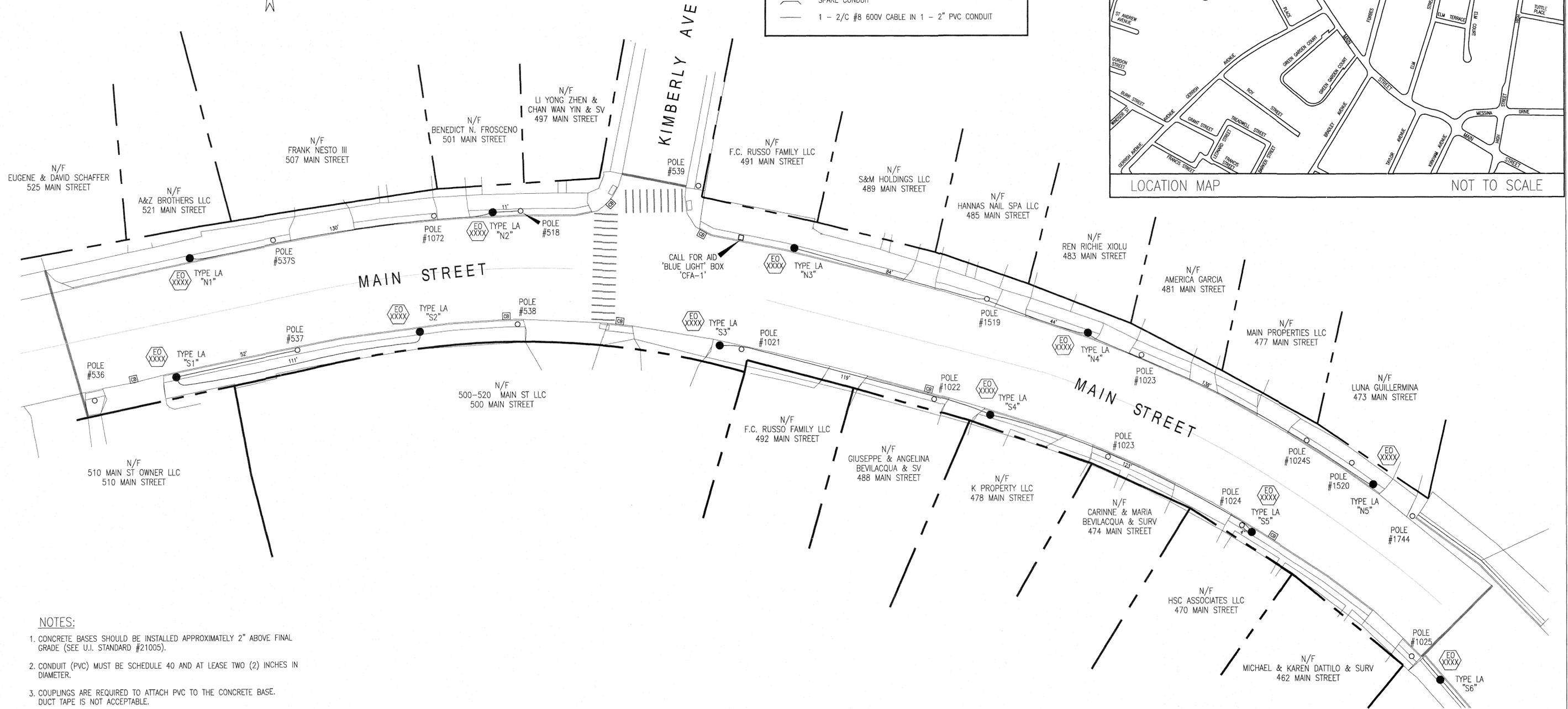
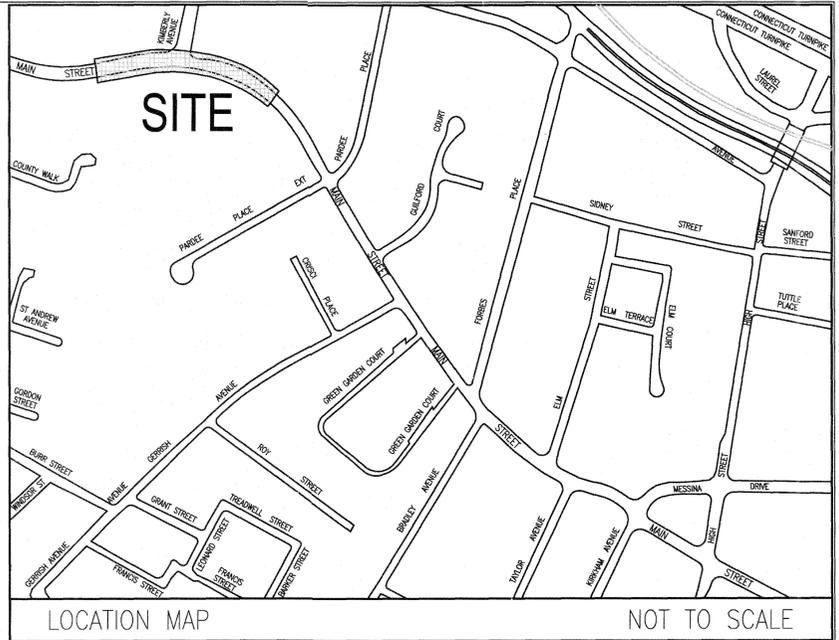
JOB NO. 14-066

SHEET NO. 85



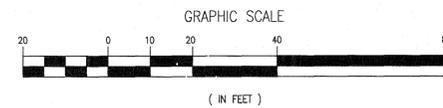
SYMBOLS

- PRIVATE AREA LIGHT - 100 WATTS METAL HALIDE ACORN FIXTURE ON A 15 FT. SHAFT
- ⬡ U.I. LOCATION NUMBER
- ⊠ JUNCTION VAULT OR PULL BOX
- PADMOUNT TRANSFORMER
- ⊞ SECONDARY PEDESTAL
- ⎓ SPARE CONDUIT
- 1 - 2/C #8 600V CABLE IN 1 - 2" PVC CONDUIT



NOTES:

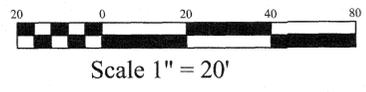
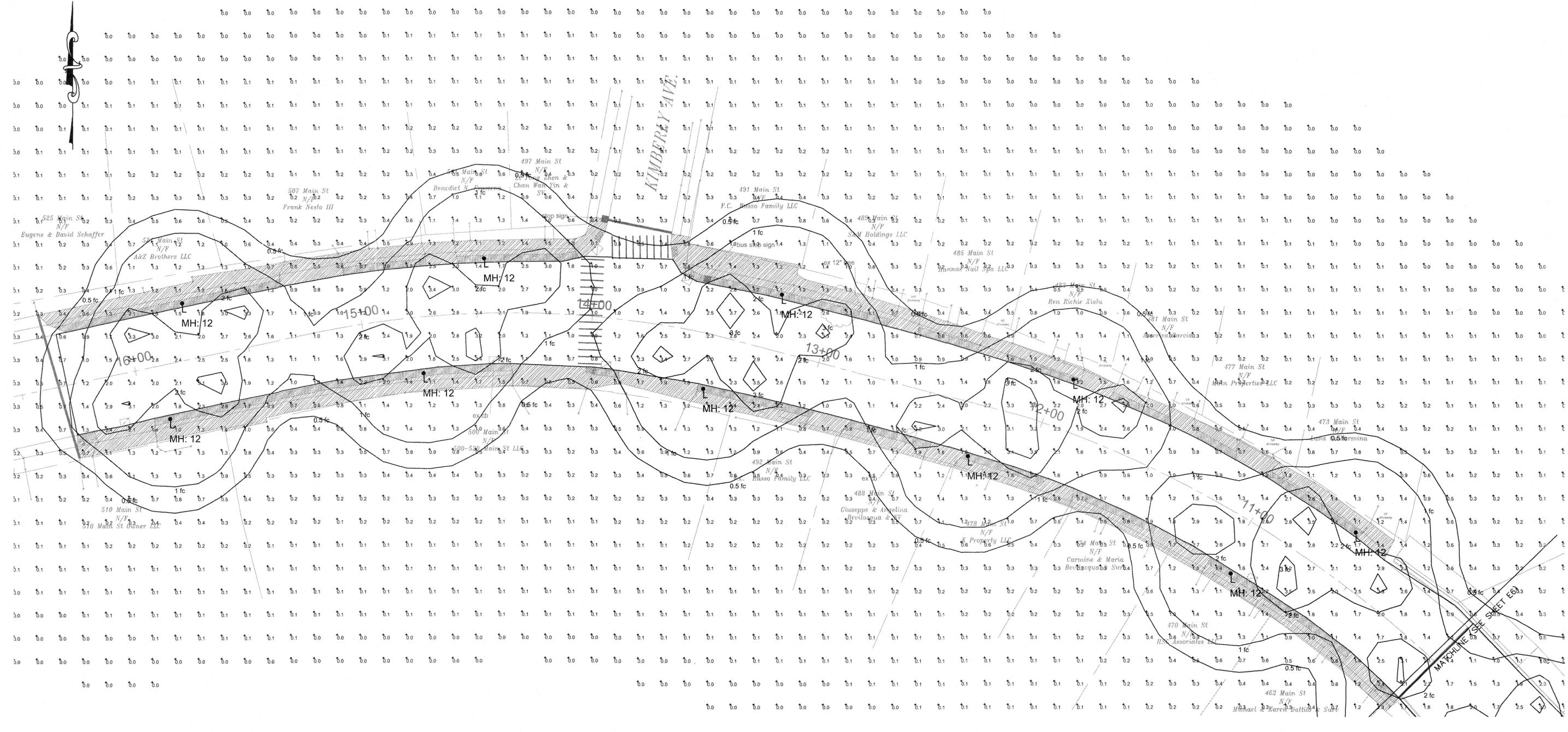
1. CONCRETE BASES SHOULD BE INSTALLED APPROXIMATELY 2" ABOVE FINAL GRADE (SEE U.I. STANDARD #21005).
2. CONDUIT (PVC) MUST BE SCHEDULE 40 AND AT LEAST TWO (2) INCHES IN DIAMETER.
3. COUPLINGS ARE REQUIRED TO ATTACH PVC TO THE CONCRETE BASE. DUCT TAPE IS NOT ACCEPTABLE.
4. TAG-LINES SHOULD NOT BE INSTALLED UNTIL ALL GLUE HAS DRIED.
5. TAG-LINES SHOULD BE ONE PIECE. IF KNOTS ARE NECESSARY, PLEASE USE "SQUARE KNOTS" ONLY.
6. CARE MUST BE TAKEN WHEN BACKFILLING THE TRENCH. MANY TIMES PVC IS CRUSHED BY BACKFILL.
7. DO NOT WRAP TAG-LINES AROUND THE PVC IN THE TRANSFORMER FOUNDATION. A STICK TIED TO THE END OF THE LINE IS RECOMMENDED.
8. WIRING DIAGRAM FURNISHED BY U.I. MUST BE FOLLOWED. FEEDS CANNOT BE CHANGED WITHOUT THE APPROVAL OF THE PROJECT ENGINEER.
9. CONDUIT STICKING UP OUT OF THE BASES MUST BE COVERED TO PREVENT DIRT, ROCKS, MUD, WOOD CHIPS, ETC., FROM BLOCKING THE CONDUIT, DUCT TAPE IS RECOMMENDED.



"AS PLANNED"

MAP G13-Q4
"CALL BEFORE YOU DIG"
TOLL FREE - STATEWIDE
1-800-922-4455

				PRIVATE AREA LIGHTING FOR: PARDEE PLACE TO GUILFORD COURT MAIN STREET AREA EAST HAVEN, CT		
1	10/27/2020	DRAWN ON CAD PROPOSED AREA LIGHTING LAYOUT PER JEFF DEJEAN	GLG	J.D.	J.D.	Drawn: GLG Date: 10/21/2020 Scale: 1"=20'-0" Chkd.: JEFF DEJEAN Design Engr.: DEJEAN Design Supv.:
No	Date	Revision	By	Chkd.	Engr.	Supv.
						CAD FILE NAME: SEQUENCE No.: 105677 DRAWING NUMBER: 16107F-151S



ROADWAY POINT TO POINT PLAN - KIMBERLY AVE. AREA

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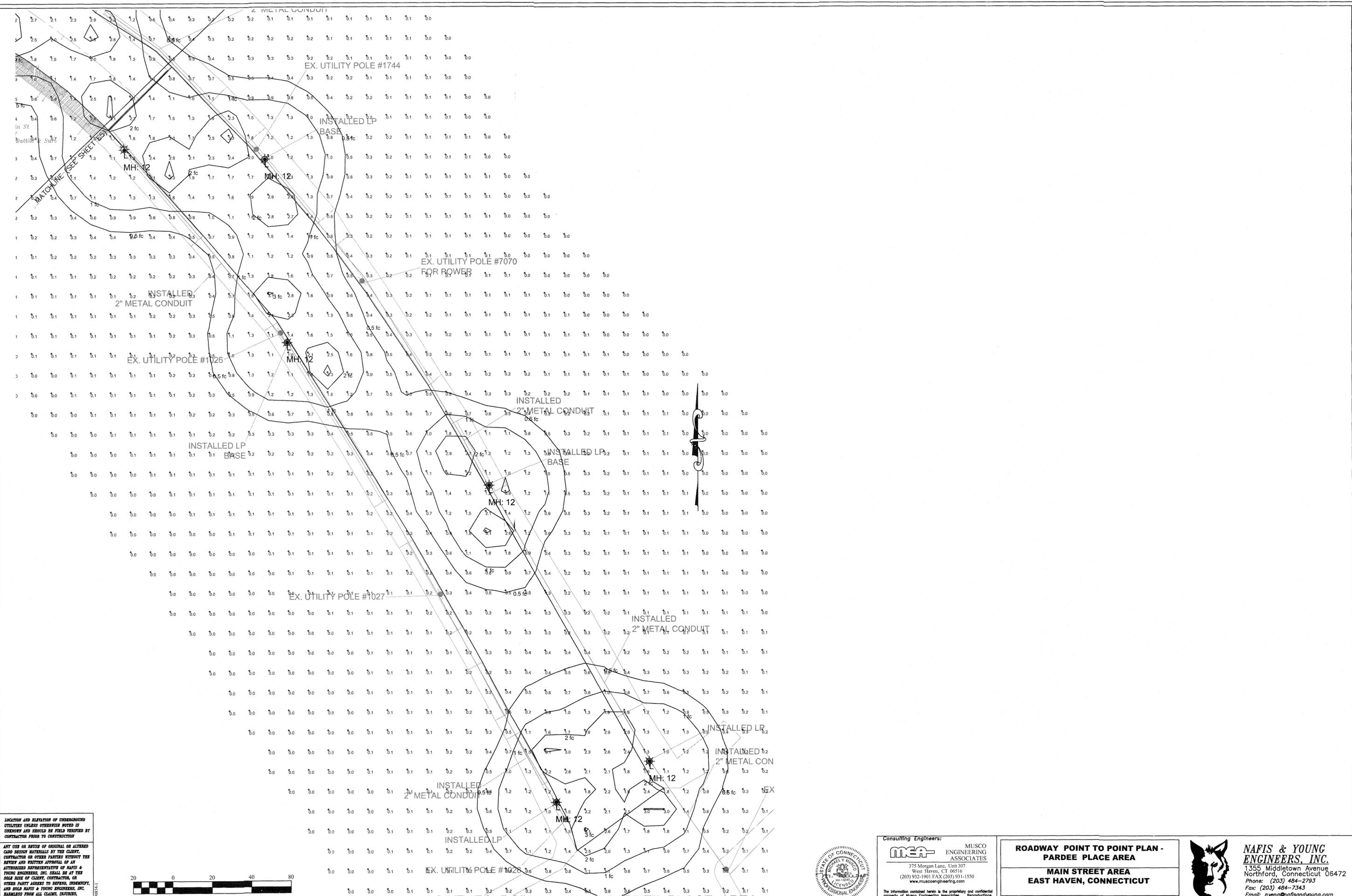
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ROADWAY POINT TO POINT PLAN - KIMBERLY AVENUE AREA
MAIN STREET AREA
EAST HAVEN, CONNECTICUT

PREPARED FOR:
 TOWN OF EAST HAVEN

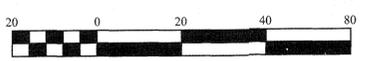


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 1355 Middletown Avenue
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 Phone: (203) 484-2793
 Fax: (203) 484-7343
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ROADWAY POINT TO POINT PLAN - PARDEE PLACE AREA



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ROADWAY POINT TO POINT PLAN - PARDEE PLACE AREA

MAIN STREET AREA EAST HAVEN, CONNECTICUT

PREPARED FOR:
 TOWN OF EAST HAVEN

NOVEMBER 11, 2020

NAFIS & YOUNG ENGINEERS, INC.
 1355 Middletown Avenue
 Northford, Connecticut 06472
 Phone: (203) 484-2793
 Fax: (203) 484-7343
 Email: nyeng@nafisandyoung.com

JOB NO. 14-066 SHEET NO. EB