

TOWN OF EAST HAVEN

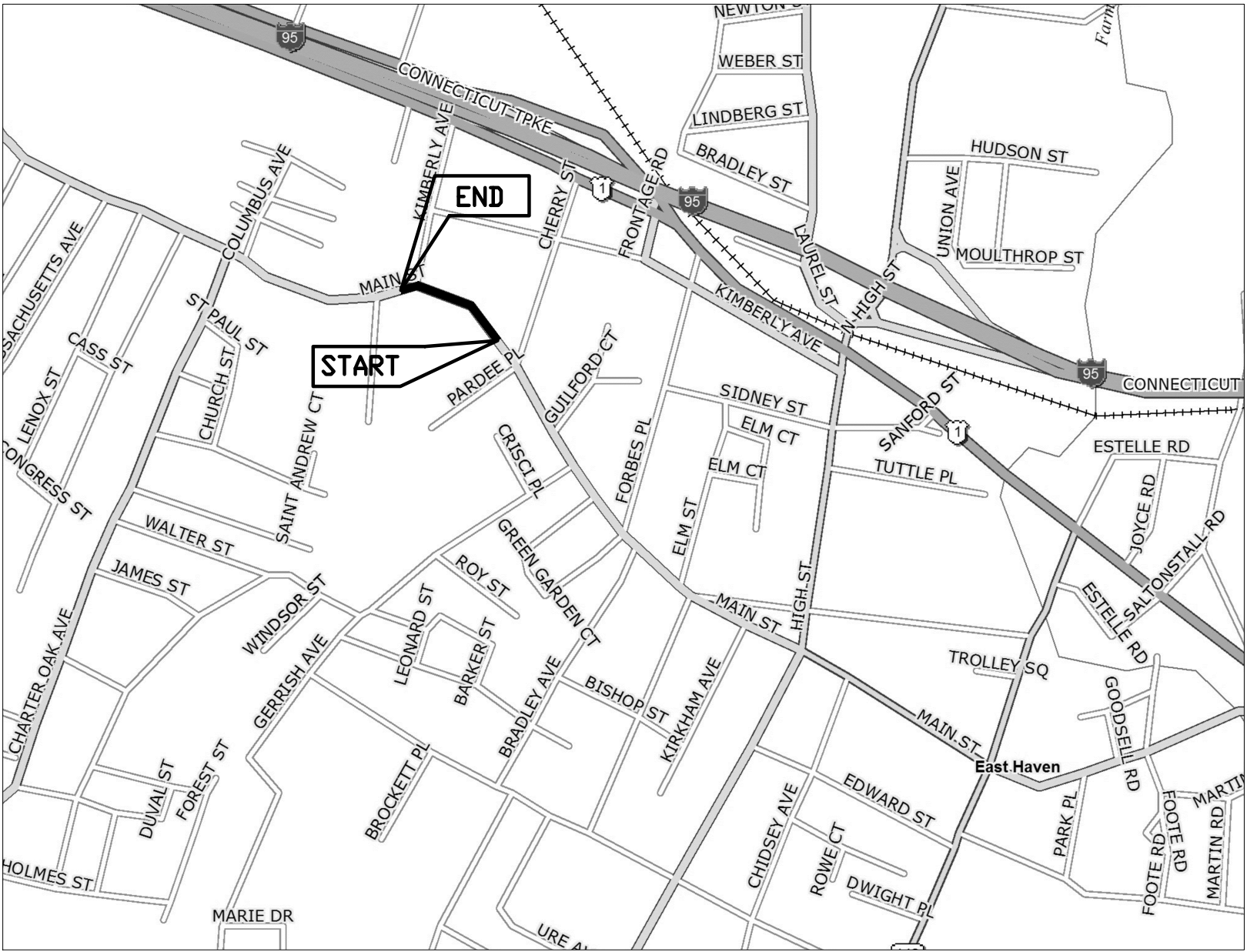
WEST END RECONSTRUCTION PHASE IV

MAIN STREET

FROM 462 MAIN STREET TO 525 MAIN ST

LOTICIP PROJECT # 043-0003

2021



LOCATION MAP

SCALE: 1"=800'

JOSEPH CARFORA MAYOR

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

JAMES GALLIGAN P.E. #

TOWN OF EAST HAVEN

JOSEPH CARFORA, MAYOR
JOHNATHAN BODWELL P.E., (Acting) TOWN ENGINEER



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Northford, Connecticut 06472
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Email: nyeng@nafisandyoung.com

SHEET NO.	I N D E X
1	COVER SHEET
2	GENERAL LEGEND
3	PLAN AND PROFILE
4	DETAILS
5-8	SIDEWALK RAMP SHEETS
HW-0507_07	TYPE C & CL CB TOP & CURB
HW-0813_01	STONE CURBING
HW-0921_01	DRIVEWAY RAMP AND SIDEWALK

Jan 12, 2021-8:13am
\\NAFIS-PTAGH67F\Projects\EAST HAVEN\WEST END STREETSCAPE PHASE IV\2018_058\CURRENT\Plans\02-LEGEND GEN NOTES 18-058.dwg

PROPOSED



1. HORIZONTAL DATUM BASED ON NAD 83
2. FIELD SURVEY WAS PERFORMED BY NYE, AUGUST 2018
3. THE LOCATION OF EXISTING UTILITIES AS SHOWN ARE FROM MAPS OF UTILITY COMPANIES, FIELD SURVEYS, AND THE BEST AVAILABLE INFORMATION. THESE 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.
4. RIGHT-OF-WAY LINES, STREET LINES, AND PROPERTY LINES WHEREVER SHOWN ARE BASED ON THE MAPS OF RECORD AND COMPILED DATA.
5. THE LOCATION OF THE EXISTING STORM SEWERS AS SHOWN ARE 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:
 - A. ALL PIPES HAVE BEEN CONSTRUCTED IN A STRAIGHT LINE.
 - B. ALL PIPES HAVE BEEN CONSTRUCTED WITH CONSTANT SLOPE.
 - C. ALL PIPES CONNECT TO THE CENTER OF A STRUCTURE.
6. EXISTING CONDITIONS ARE DENOTED IN LOWER CASE LETTERING. PROPOSED WORK IS DENOTED IN ALL UPPER CASE LETTERING. (PLAN/PROFILE SHEET)
7. 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.
8. IT IS THE CONTRACTORS RESPONSIBILITY TO AQUATINT HIMSELF WITH THE EXISTENCE OF TREE, BUSHES, ORNAMENTAL OR UTILITARIAN DOMESTIC ACCESSORIES AND FIELD CONDITIONS.
9. ALL DIMENSIONS AND ELEVATIONS MUST BE FIELD VERIFIED BY THE CONTRACTOR.
10. UNLESS OTHERWISE NOTED, STANDARD 48-INCH DIAMETER MANHOLES SHALL BE USED FOR ALL SEWER MANHOLES.
11. 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.
12. CLASS 'A' CONCRETE SHALL BE USED FOR ALL APPURTENANT WORKS CONSTRUCTION.
13. 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.
14. 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.
15. 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.
16. UTILITY POLES ARE TO BE RELOCATED BY THEIR OWNERS AS REQUIRED BY AND DURING CONSTRUCTION.
17. OVERHEAD UTILITY LINES OR GUY LINES WHICH REQUIRE TEMPORARY RELOCATION DUE TO THE CONTRACTORS OPERATIONS, SHALL BE RELOCATED AT THE CONTRACTORS EXPENSE.
18. 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.
19. 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.
20. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO COMMENCING CONSTRUCTION.
21. MANHOLE LOCATIONS AS SHOWN ON THE DRAWINGS MAY BE SHIFTED TO MEET FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
22. 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 THERETO, DATED JANUARY 2019
23. CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND REPORT ANY INCONSISTENCIES TO THE ENGINEER.
24. 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.
25. 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 CONTROLS HAS TO BE INCLUDED IN THE PRICE BID FOR "WATER POLLUTION CONTROLS."
26. 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.
27. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH LOCAL AND STATE BUILDING CODES.
28. THE CONTRACTOR MUST MAKE HIMSELF AWARE OF AND PROTECT AND MAINTAIN EXISTING WELLS, SEPTIC SYSTEMS, AND UTILITY SERVICES DURING CONSTRUCTION.
29. THE CONTRACTOR MUST CALL "CALL BEFORE YOU DIG" AT LEAST 72 HOURS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. (1-800-922-4455).
30. COMPLETED WORK TO BE MAINTAINED BY THE TOWN OF EAST HAVEN

ANY USE OR REUSE OF ORIGINAL OR ALTERED CADD DESIGN 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 AGREES 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.

PREPARED FOR:
TOWN OF EAST HAVEN

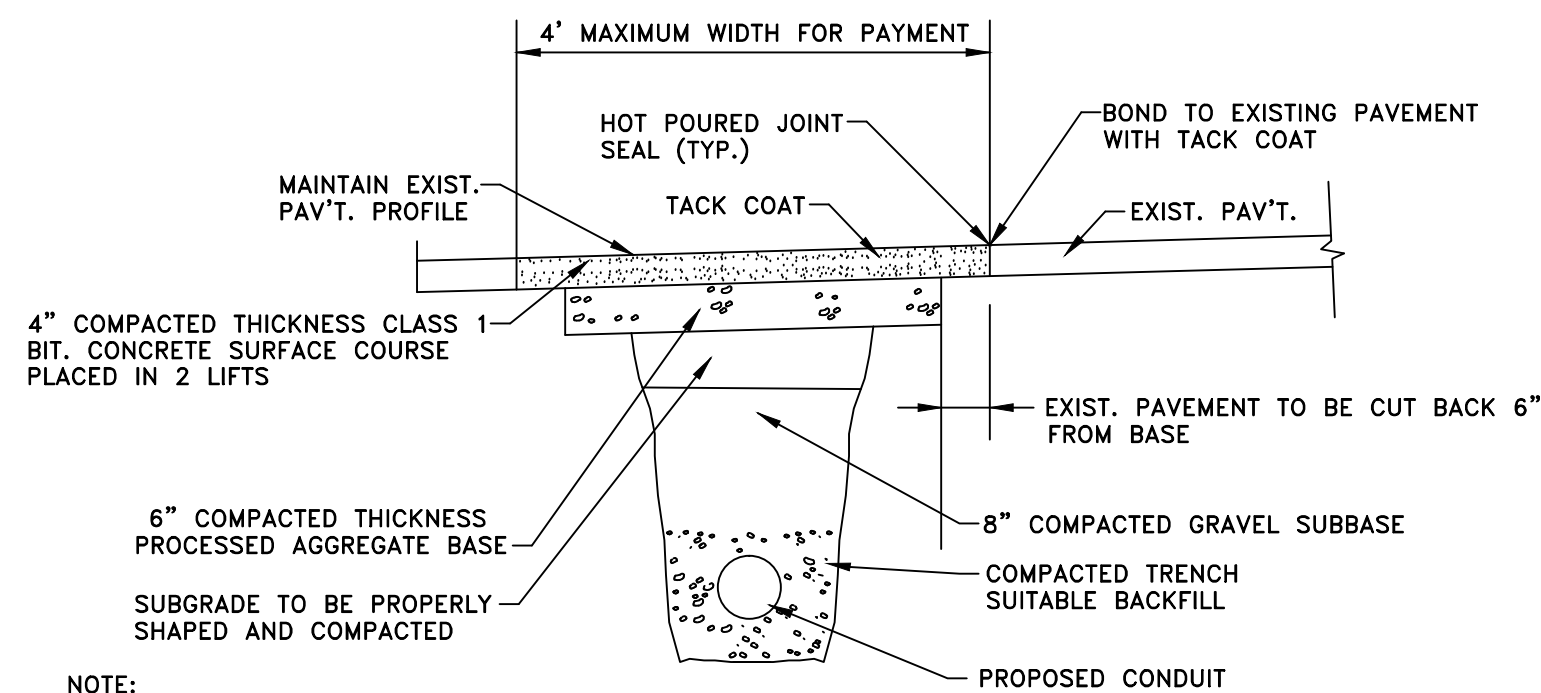
SEPTEMBER 7, 2018



JOB NO. 18-058

<i>SHEET NO.</i>	<i>2</i>
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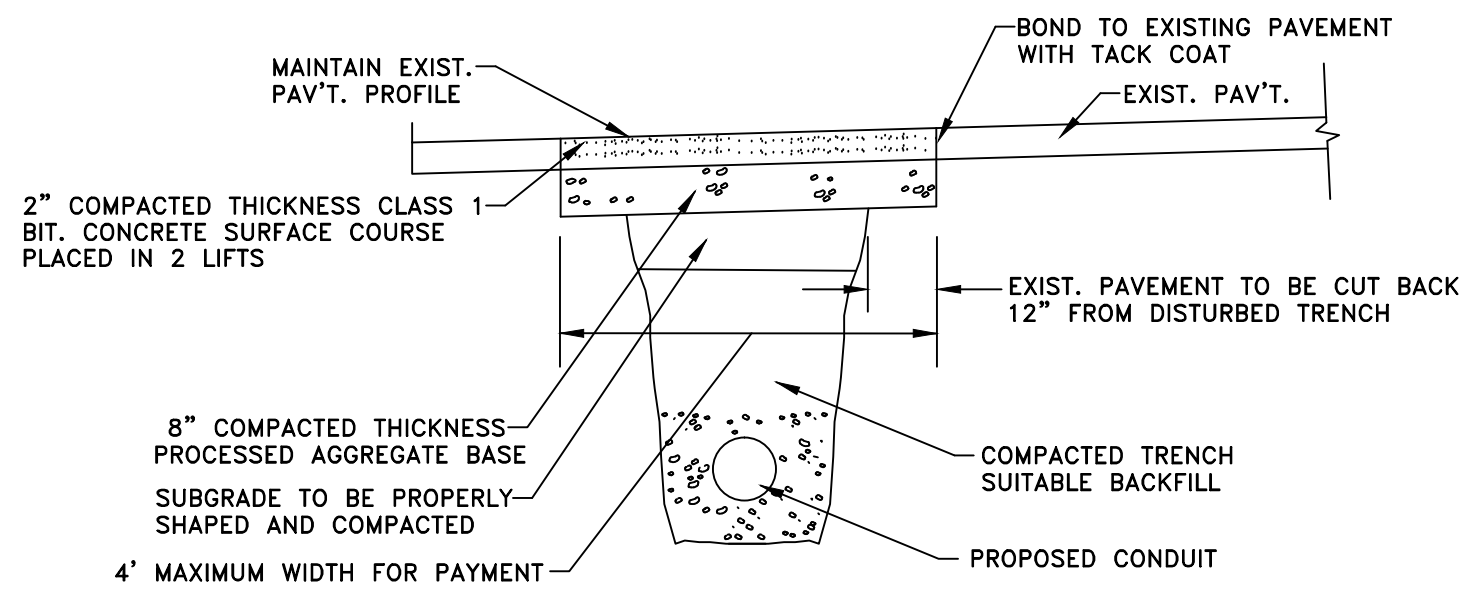




NOTE:
TEMPORARY PAVEMENT SHALL BE REMOVED AND EXIST. PAVEMENT SAW CUT IN STRAIGHT, SQUARE LINES BEFORE PLACING PERMANENT PAVEMENT BASE & SURFACE COURSE.
8\"/>

PERMANENT PAVEMENT REPAIR

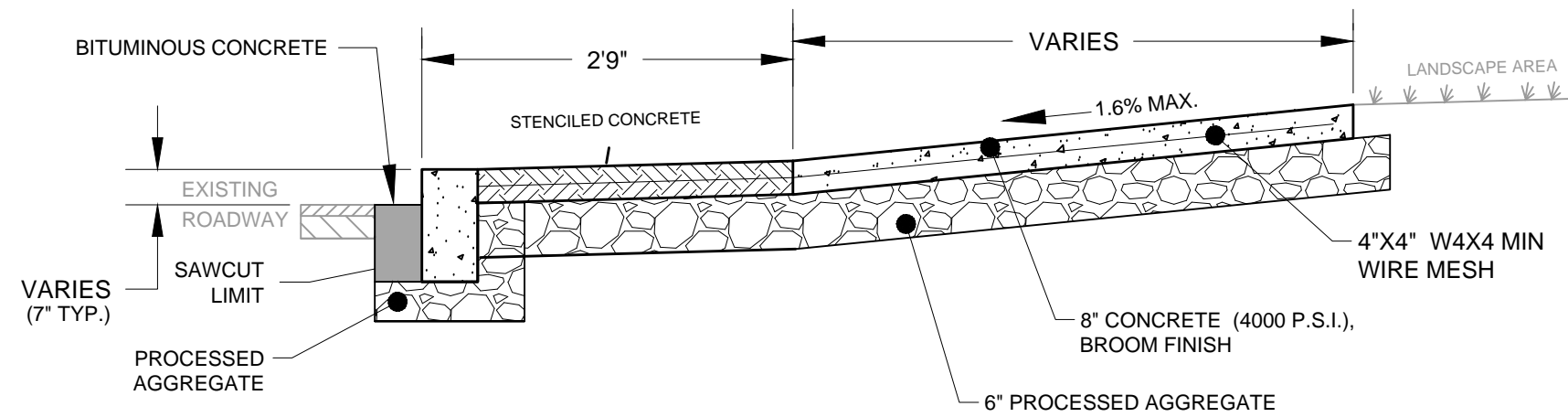
NTS



NOTE:
8\"/>

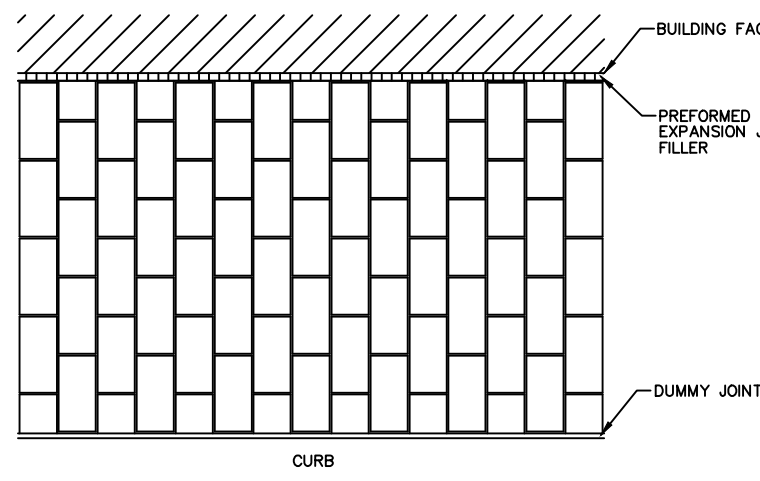
TEMPORARY PAVEMENT REPAIR

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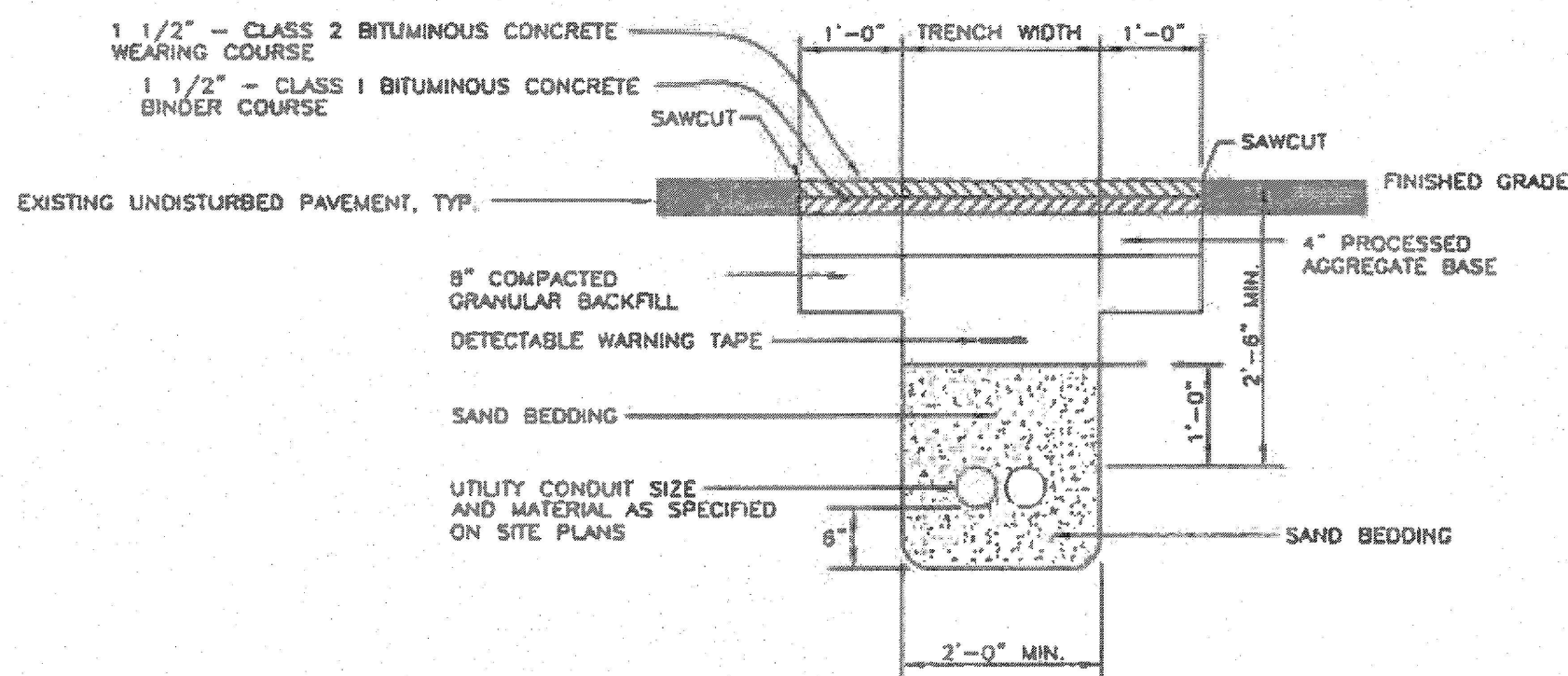


TYPICAL STENCILED SIDEWALK SECTION

NOT TO SCALE



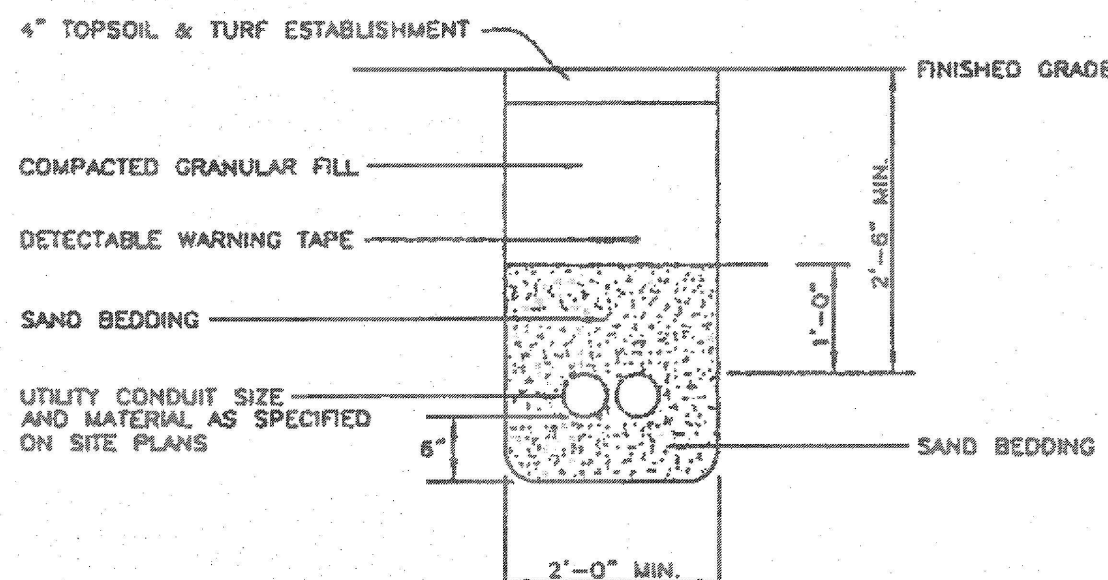
PLAN OF STENCILED CONCRETE WALK RUNNING BOND PATTERN



SECTION

CONDUIT TRENCH UNDER PAVED AREA

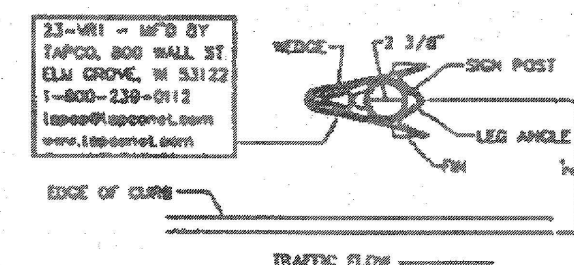
NOT TO SCALE



SECTION

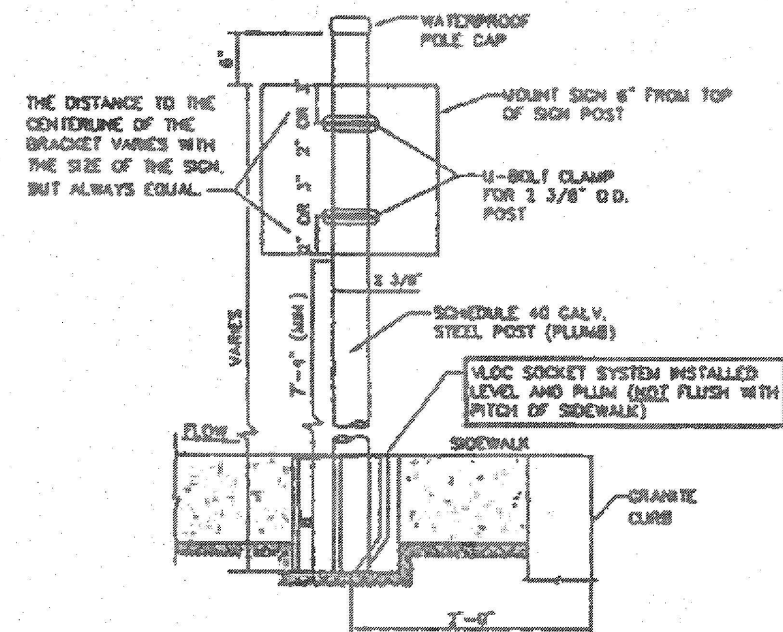
CONDUIT TRENCH UNDER NON-PAVED AREA

NOT TO SCALE



VLOC SOCKET SYSTEM

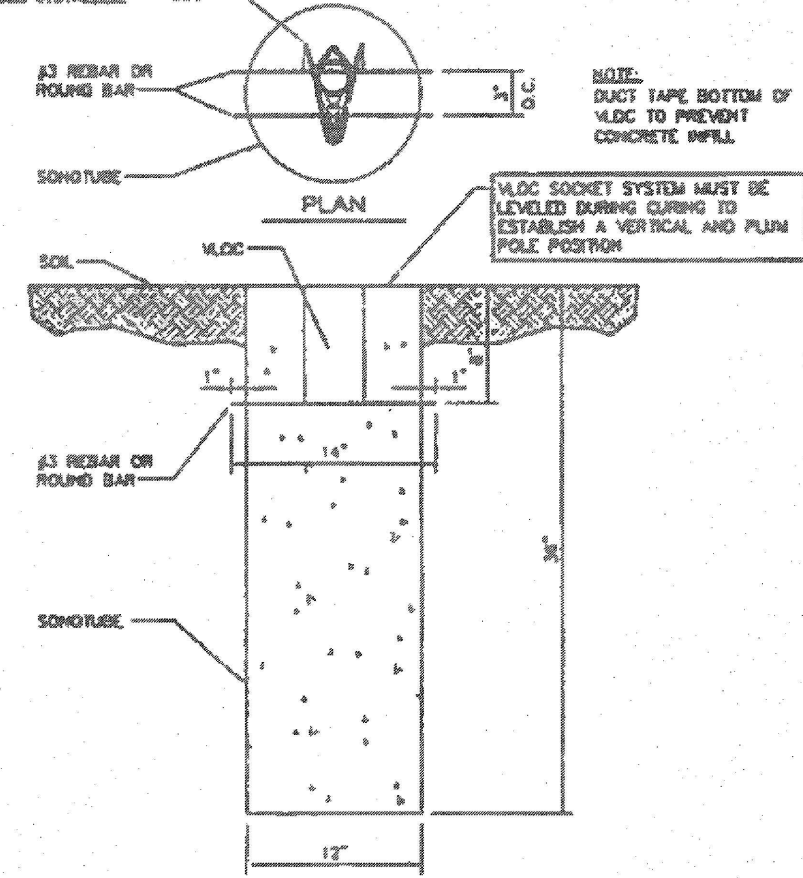
N.T.S.



VLOC AND SIGN POST DETAIL

N.T.S.

NOTE:
CONTRACTOR SHALL SUPPLY TO THE TOWN OF EAST HAVEN ONE 24 FOOT LENGTH OF 3-1/2\"/>



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

ANY USE OR REUSE OF ORIGINAL OR ALTERED CAD DESIGN 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, DEFENSES AND ATTORNEY'S FEES ARISING OUT OF THE MODIFICATION OR REUSE OF THESE MATERIALS.

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

PREPARED FOR:
TOWN OF EAST HAVEN

SEPTEMBER, 2018

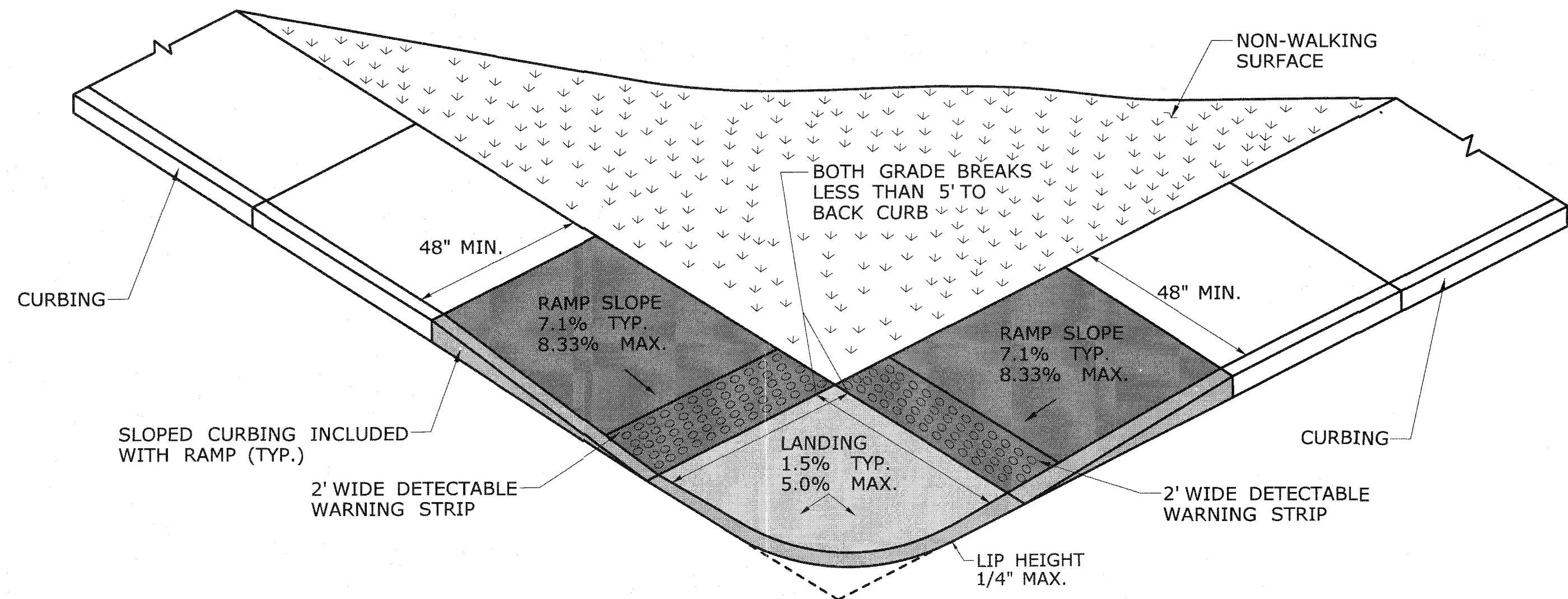


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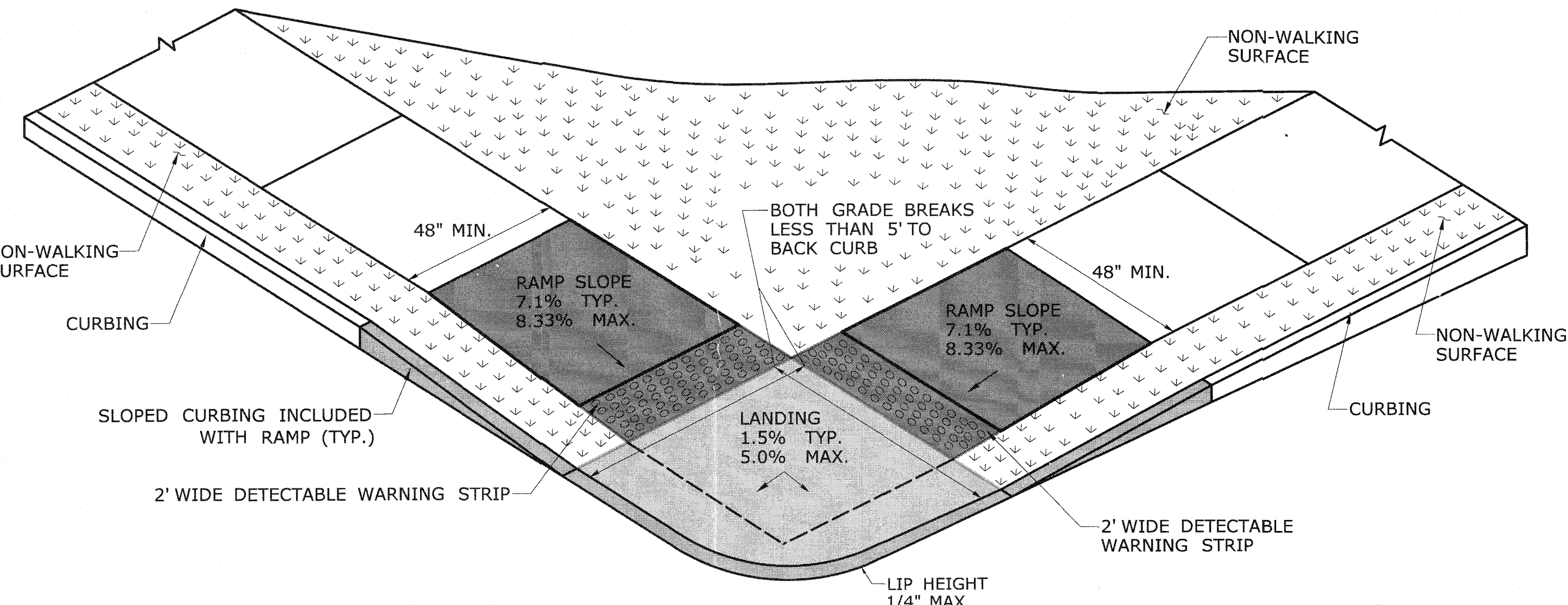
1355 Middletown Avenue
Northford, Connecticut 06472
Phone: (203) 484-2793
Fax: (203) 484-7343
Email: nyeng@nafisandyoung.com

JOB NO. 18-058

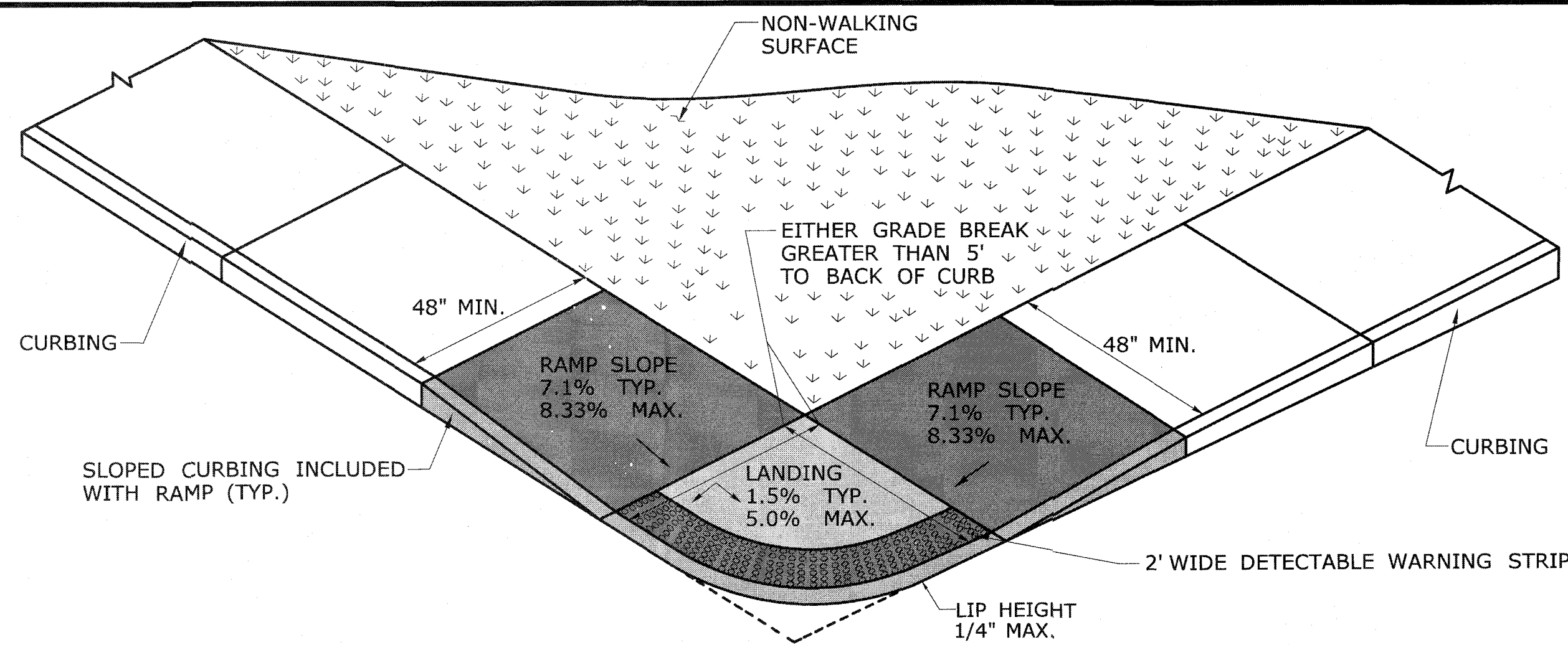
SHEET NO. 4



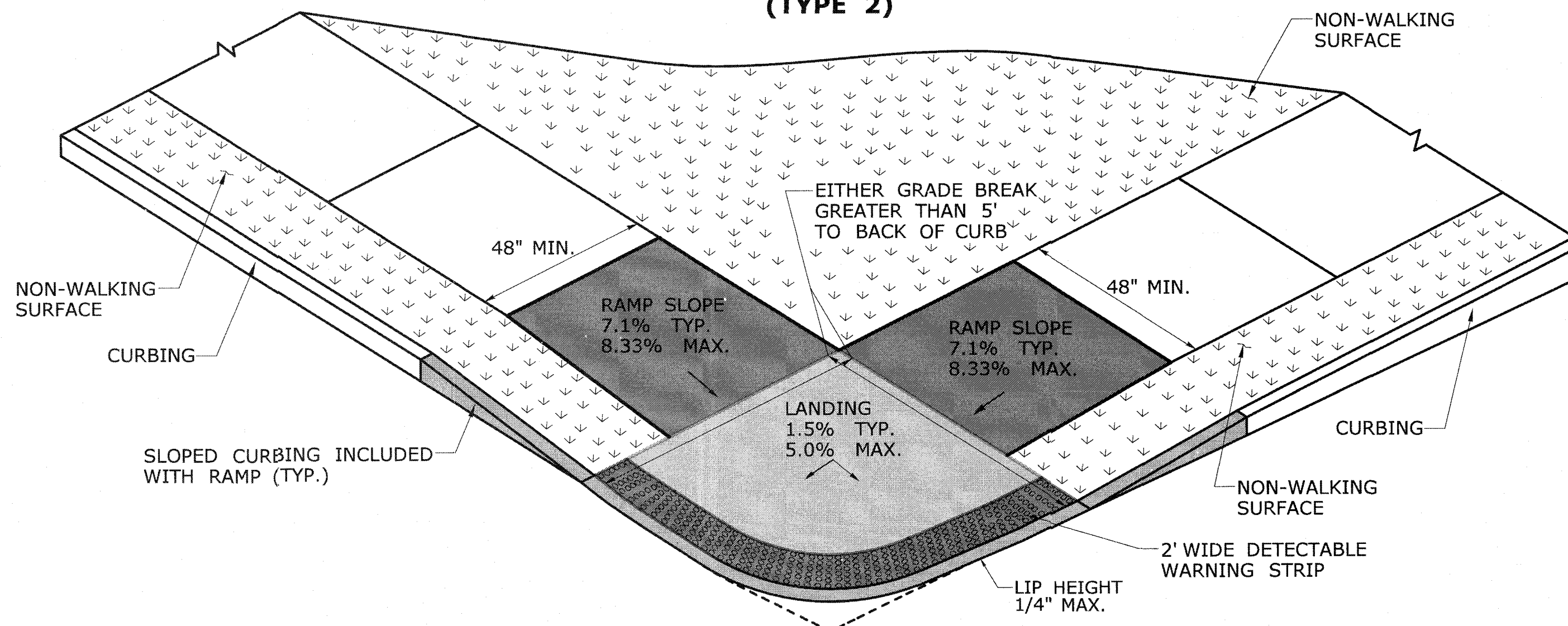
**PERPENDICULAR RAMP
WITH A GRADE BREAK OF 5' OR LESS
(TYPE 1)**



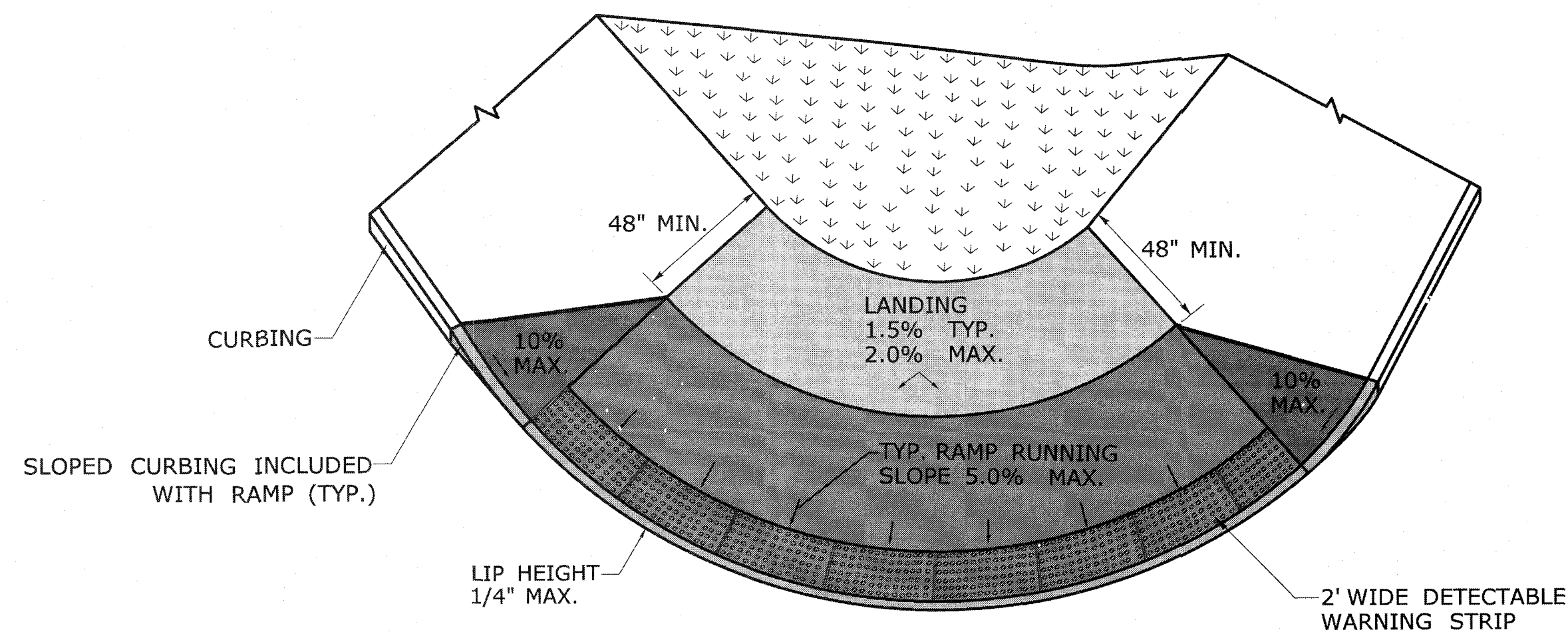
**PERPENDICULAR RAMP
WITH A GRADE BREAK
TO BACK OF CURB OF 5' OR LESS
(TYPE 3)**



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



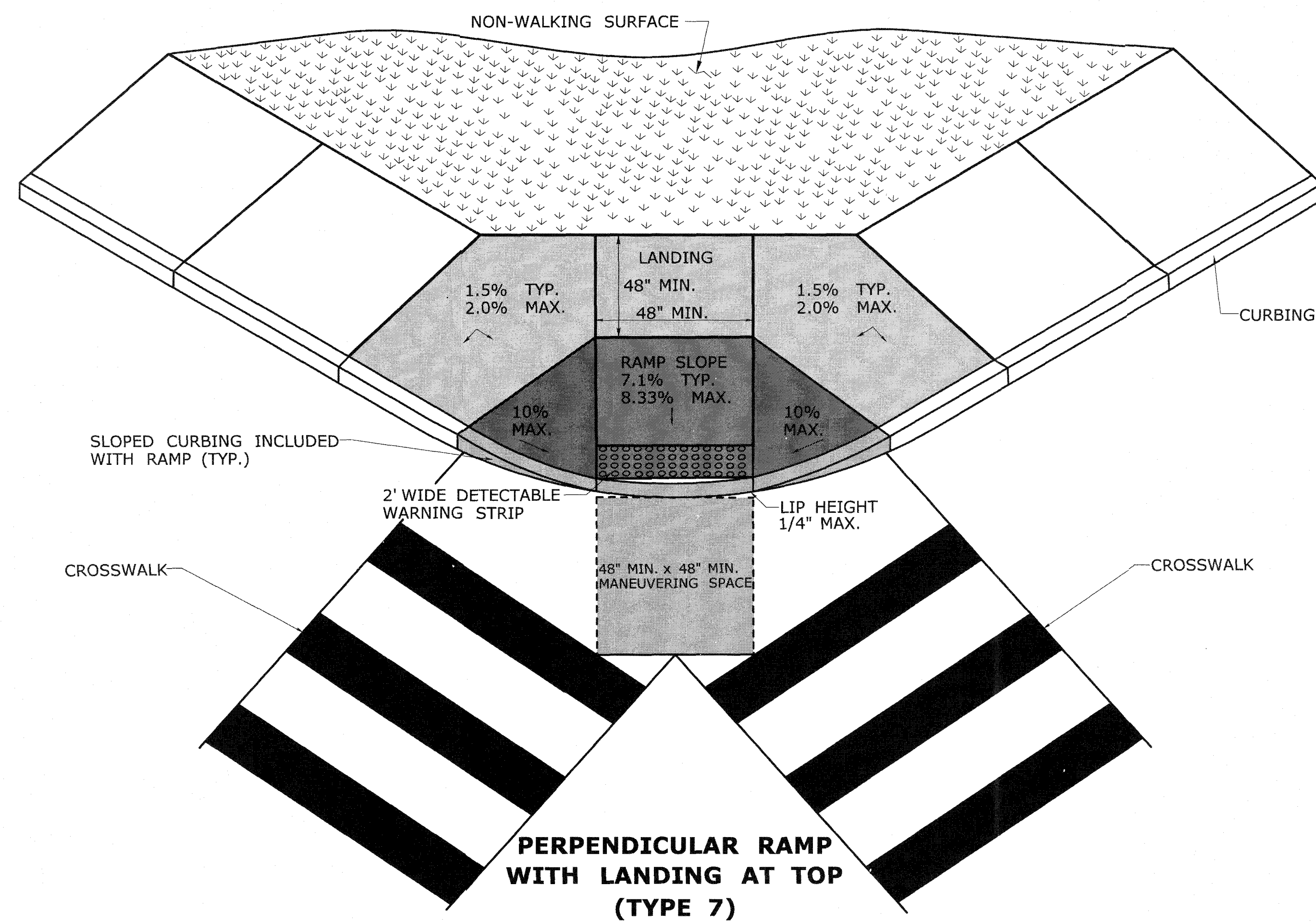
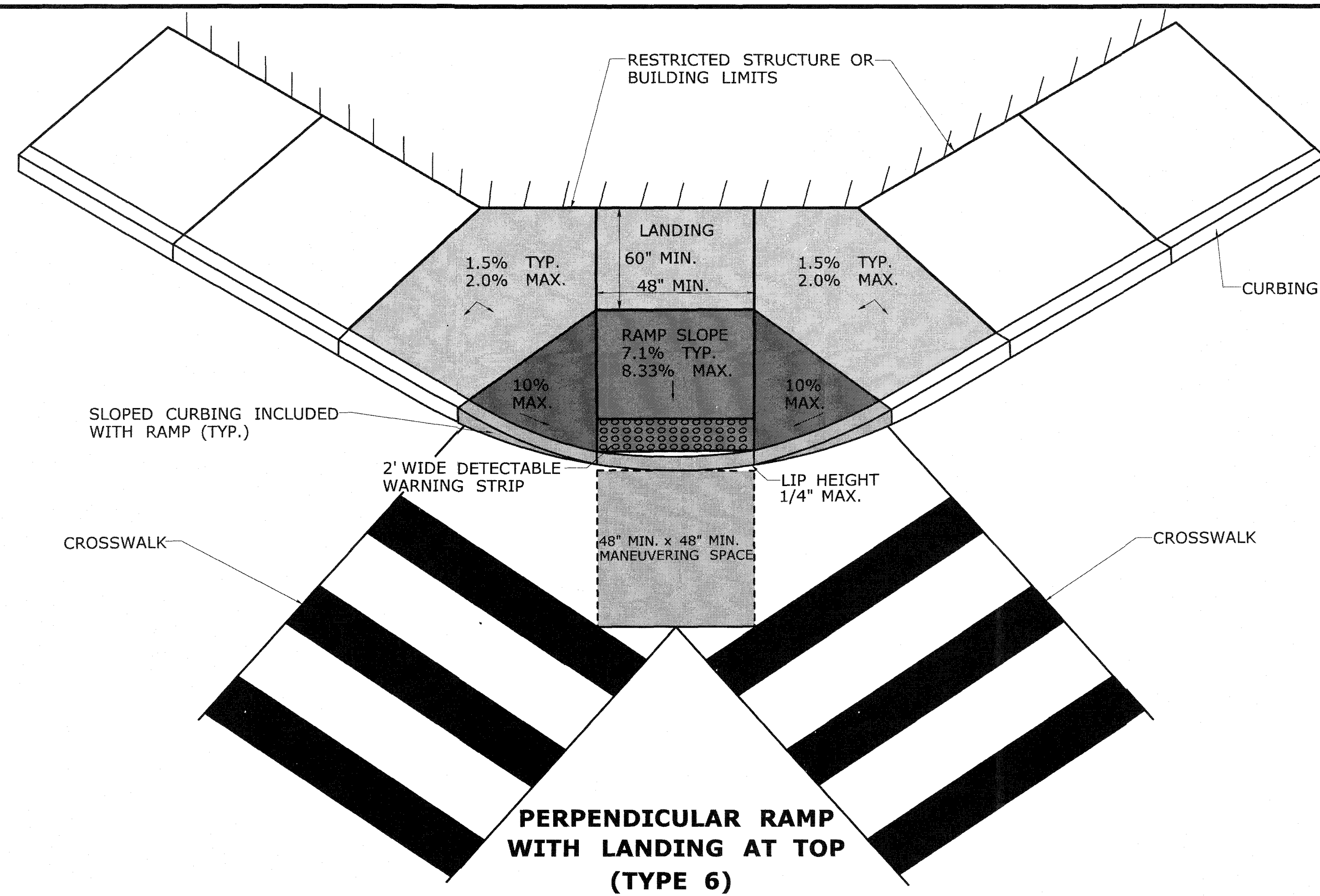
**BLENDED TRANSITION
WITH A GRADE BREAK
TO BACK OF CURB GREATER THAN 5'
(TYPE 4)**




**BLENDED TRANSITION
WITH LANDING AT TOP
(TYPE 5)**

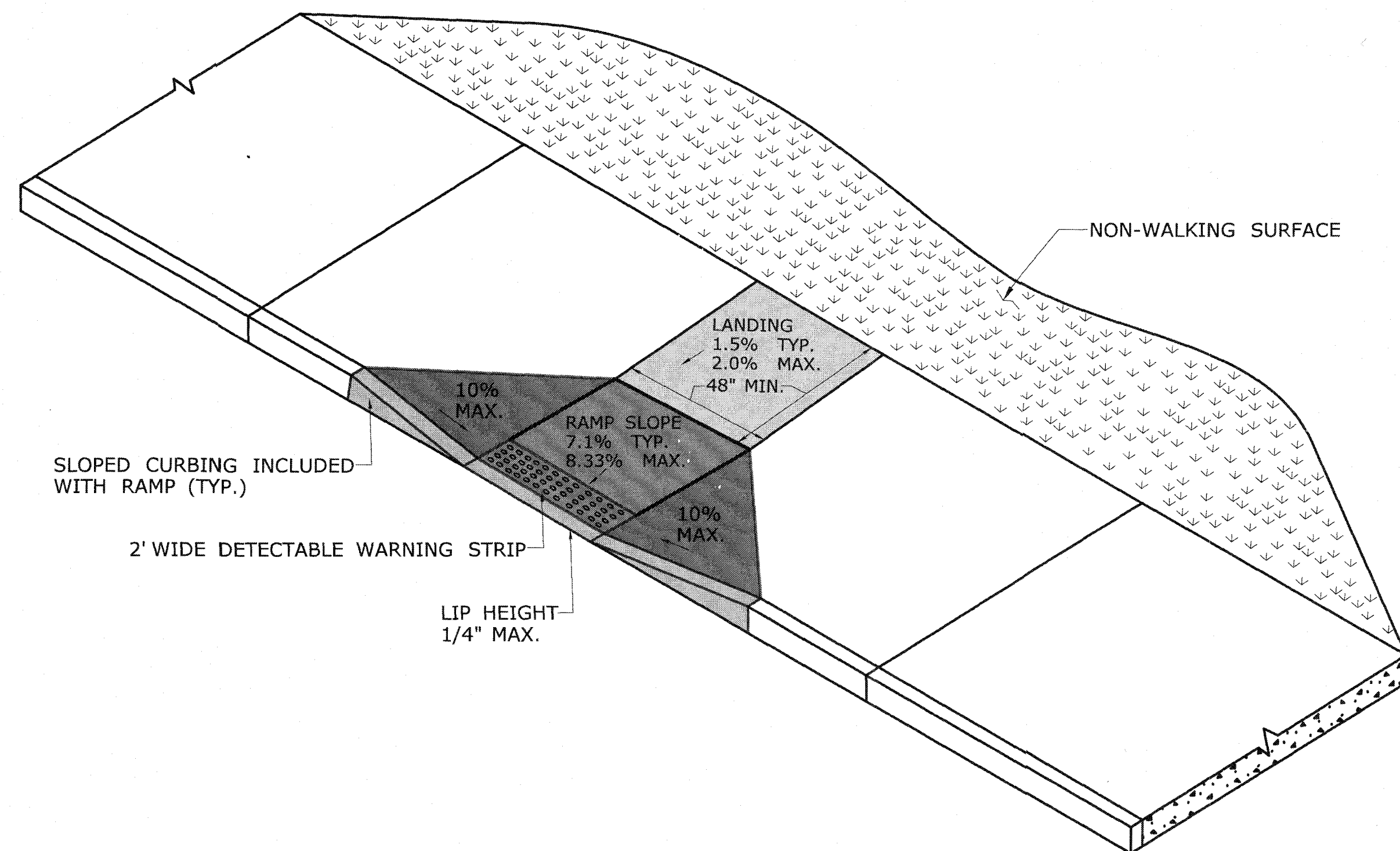
DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

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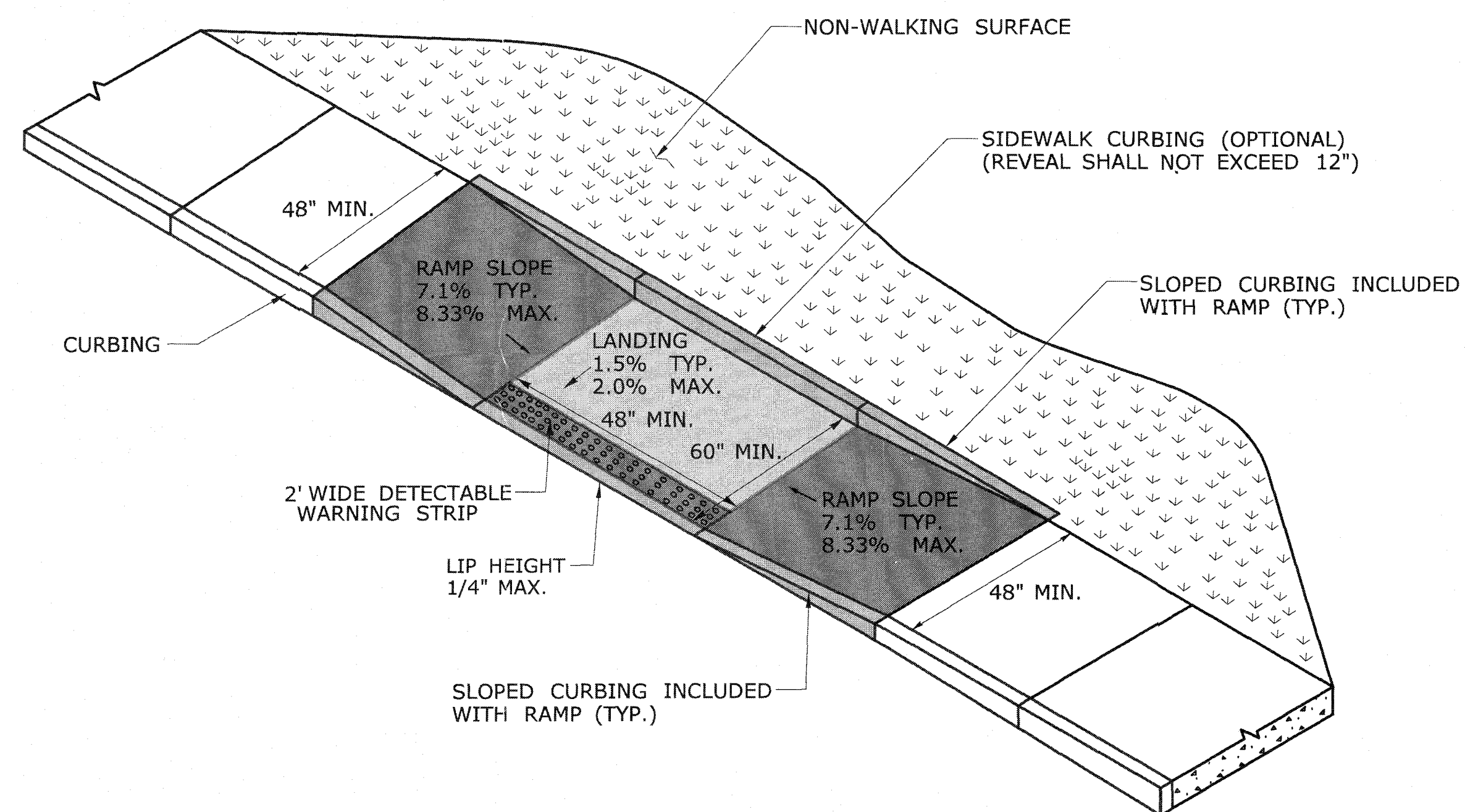


DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

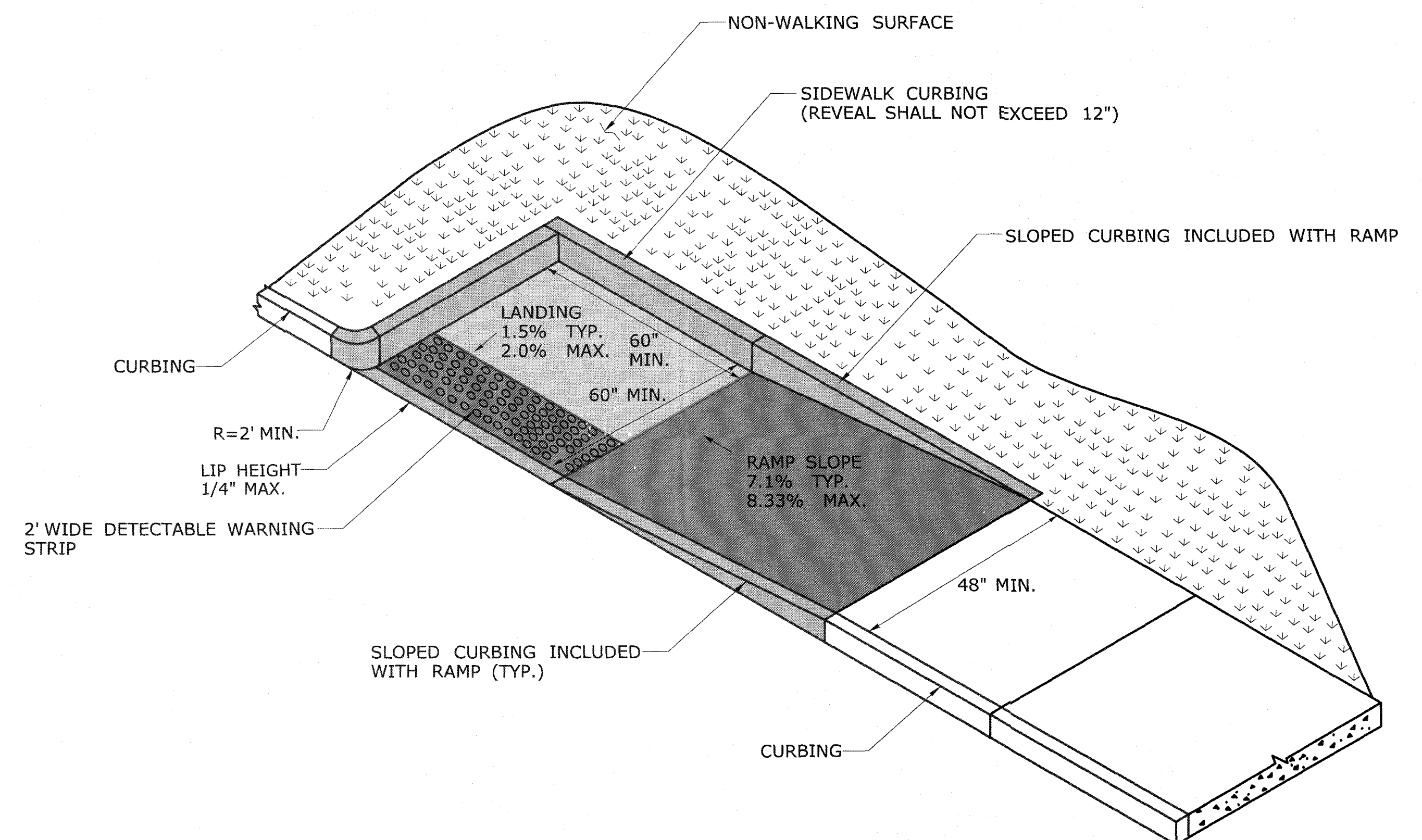
				THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: - CHECKED BY: -		<div><div>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</div><div>Filename: ...\\CTDOT-HIGHWAY_GD_1-28-19.dgn</div></div>		SIGNATURE/ BLOCK: OFFICE OF ENGINEERING APPROVED BY: -		PROJECT TITLE: -		TOWN: -		PROJECT NO. -	
														DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 3		DRAWING NO.	
																SHEET NO.	
REV		DATE		REVISION DESCRIPTION		SHEET NO.		Plotted Date: 1/30/2019									



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





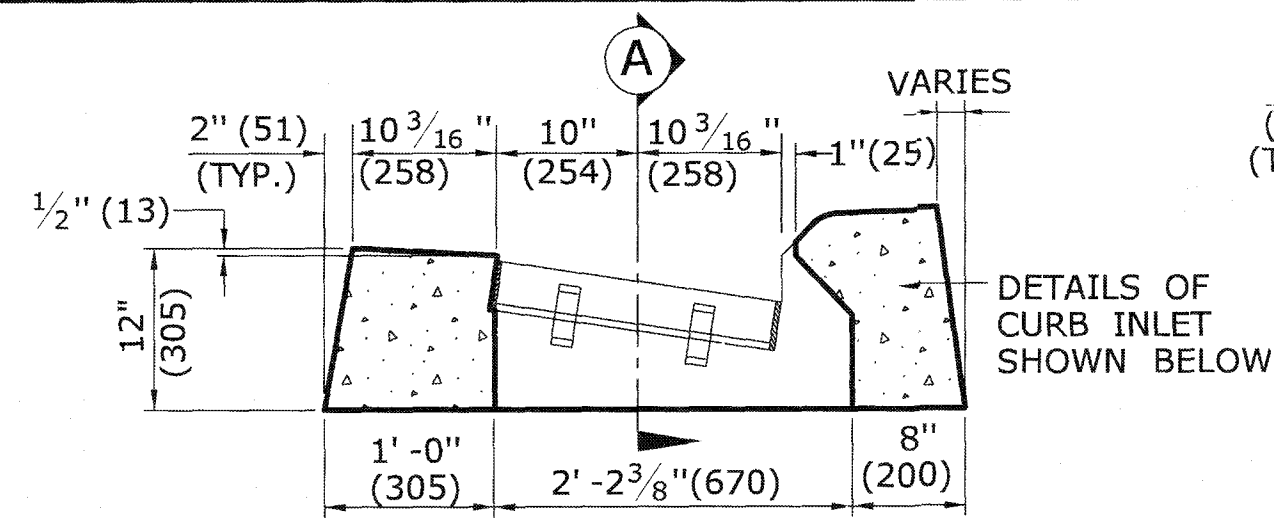
**PARALLEL RAMP WITHOUT
NON-WALKING SURFACE
(TYPE 9)**



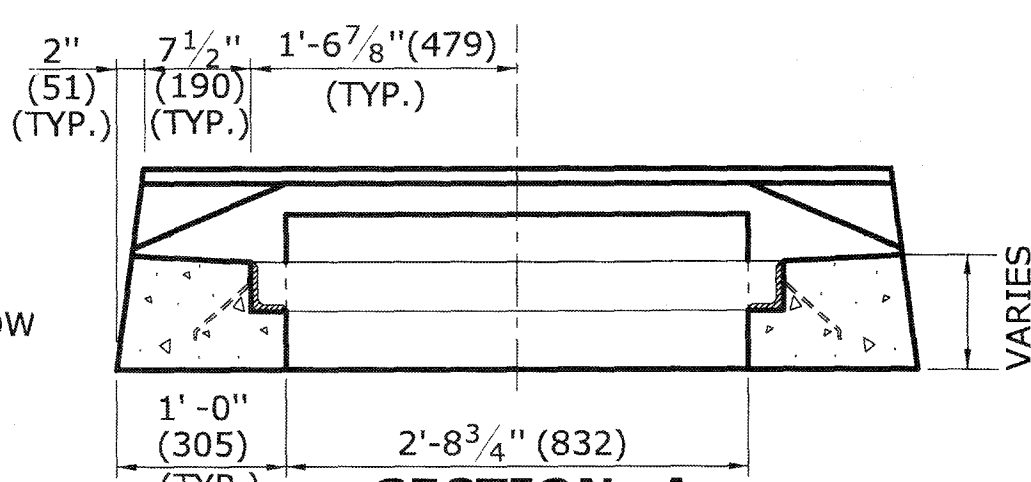
**PARALLEL RAMP
WITH LANDING AT BOTTOM ON CORNER
(TYPE 10)**

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

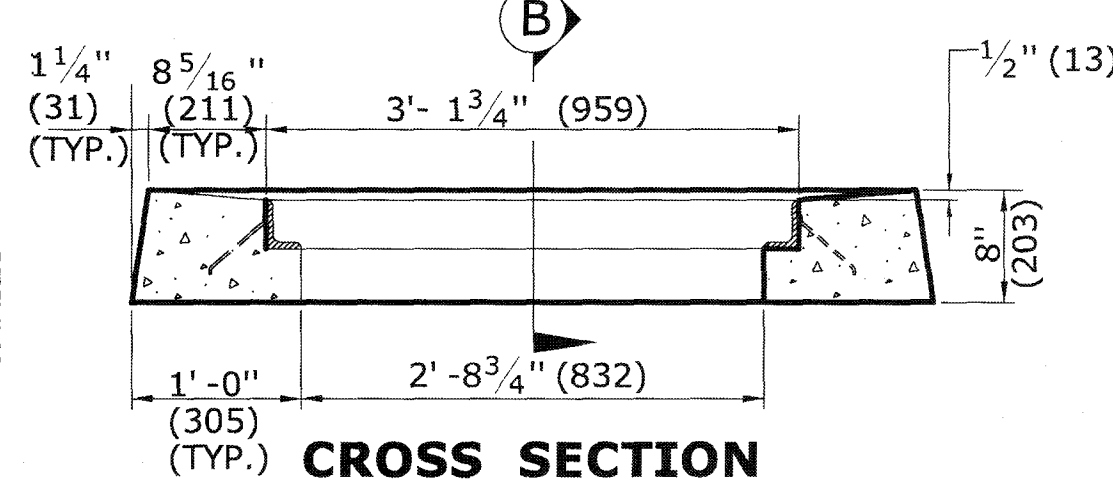
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				CHECKED BY: -							DRAWING NO. -	
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.										DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 4		SHEET NO. -
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 1/30/2019		Filename: ...CTDOT_HIGHWAY.GD [1-28-19].dgn						



**CROSS SECTION
TYPE "C" CATCH BASIN TOP**

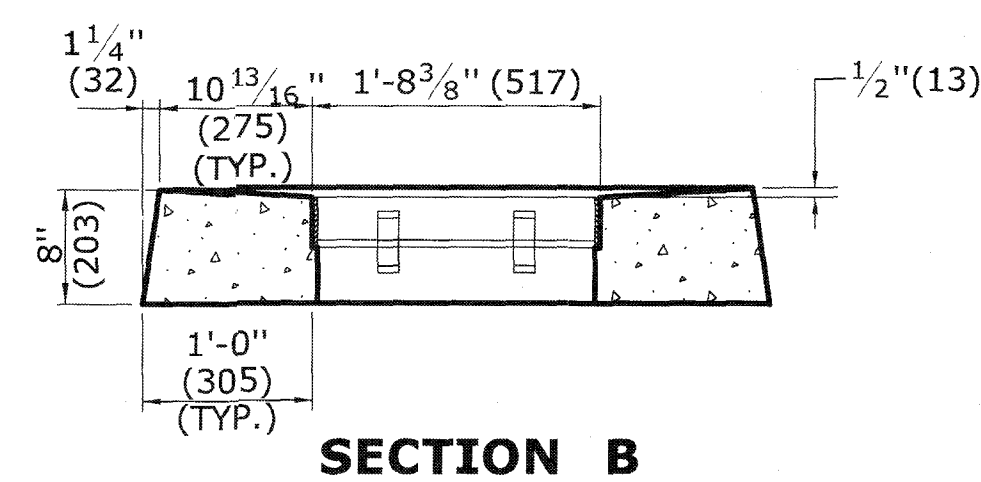


SECTION A



CROSS SECTION

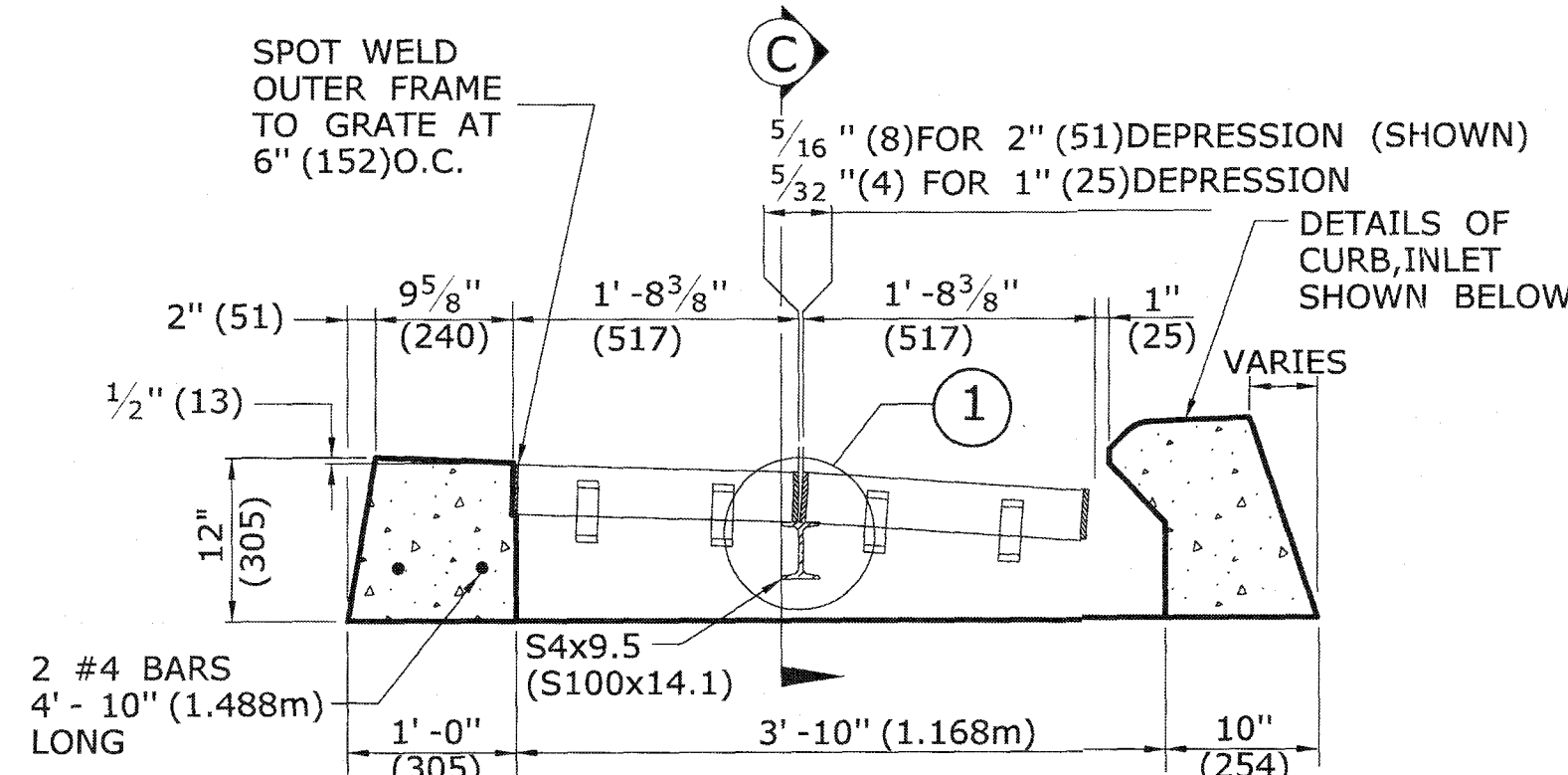
TYPE "C-L" CATCH BASIN TOP



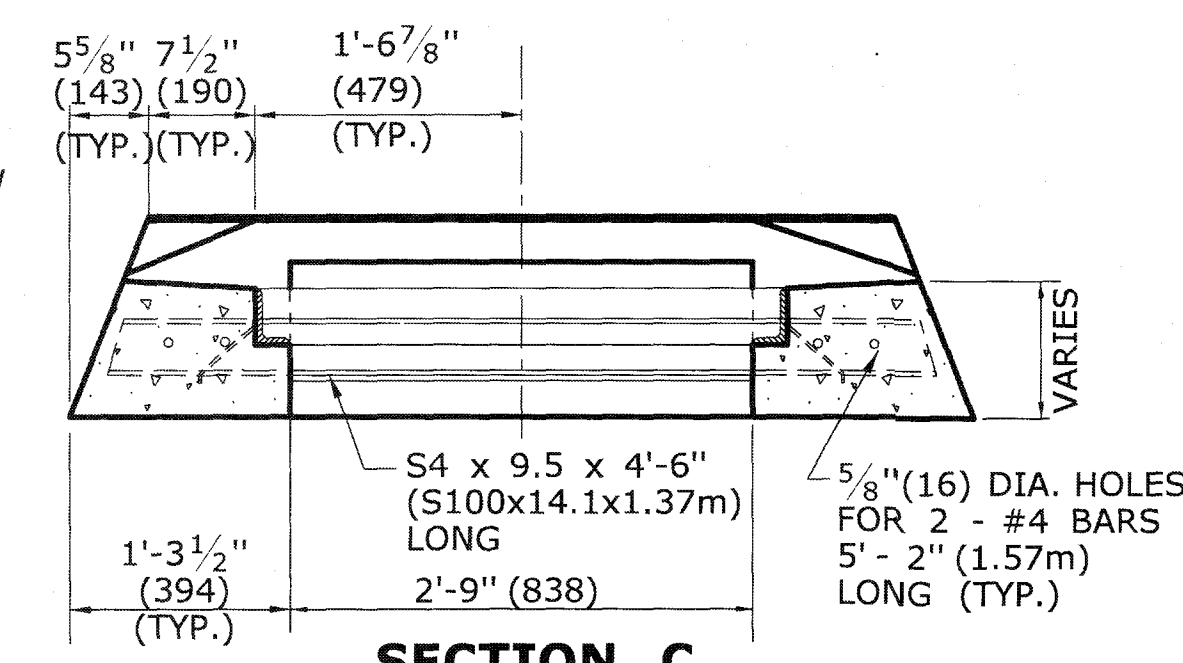
SECTION B

GENERAL NOTES:

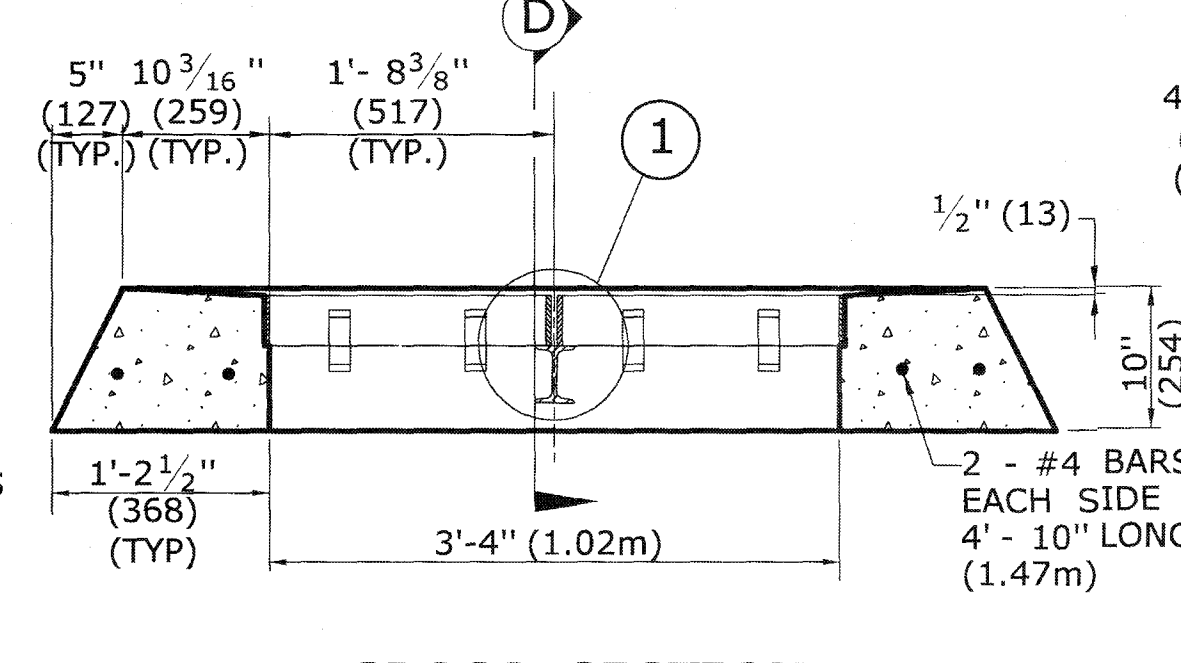
1. FOR DETAILS OF FRAME AND GRATE SEE STANDARD SHEET HW-507-08.
2. ALL STEEL, EXCEPT REINFORCING BARS, SHALL BE GALVANIZED IN CONFORMANCE WITH SECTION M06.03 OF CONNECTICUT'S STANDARD SPECIFICATIONS.
3. ALL BARS SHALL HAVE A MINIMUM 2" (51) COVER.



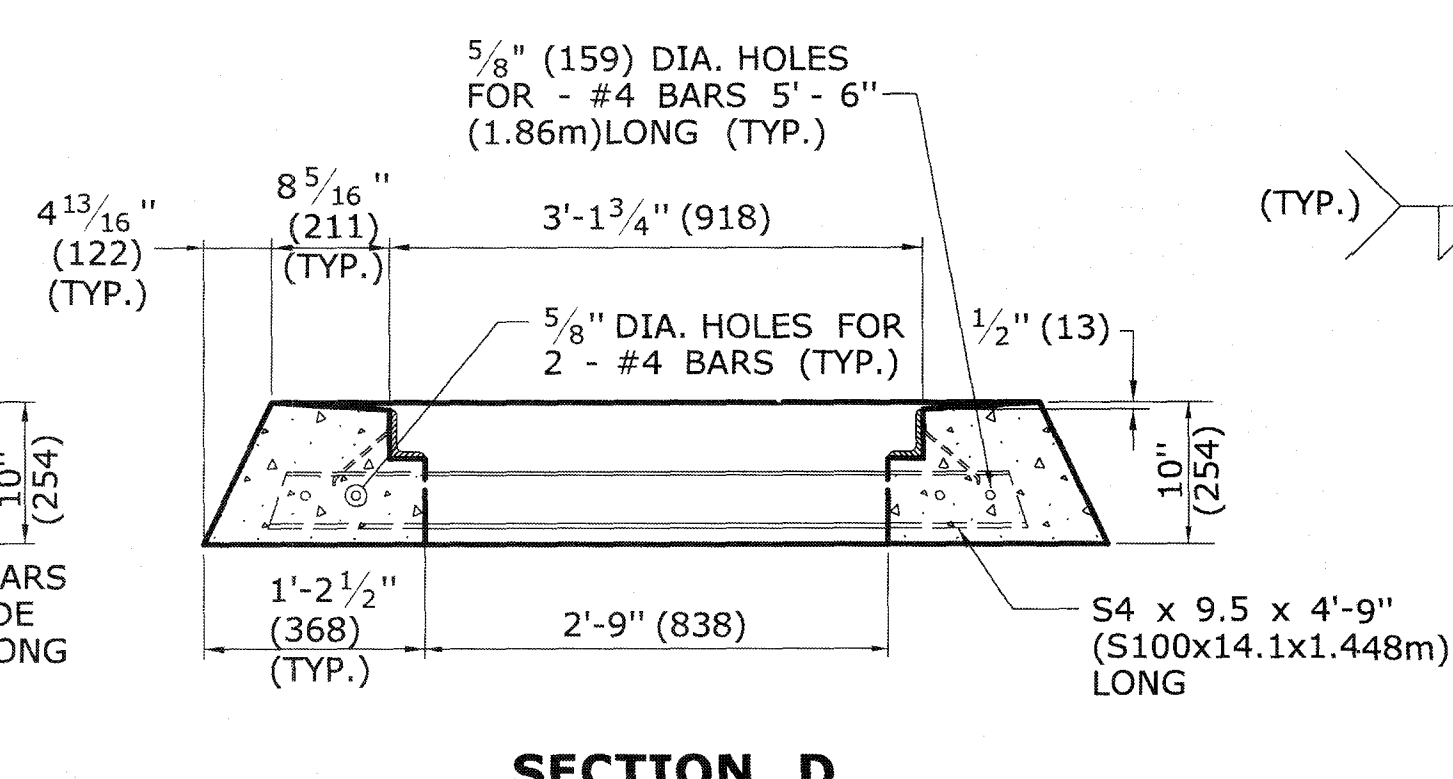
**CROSS SECTION
TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE I TOP**



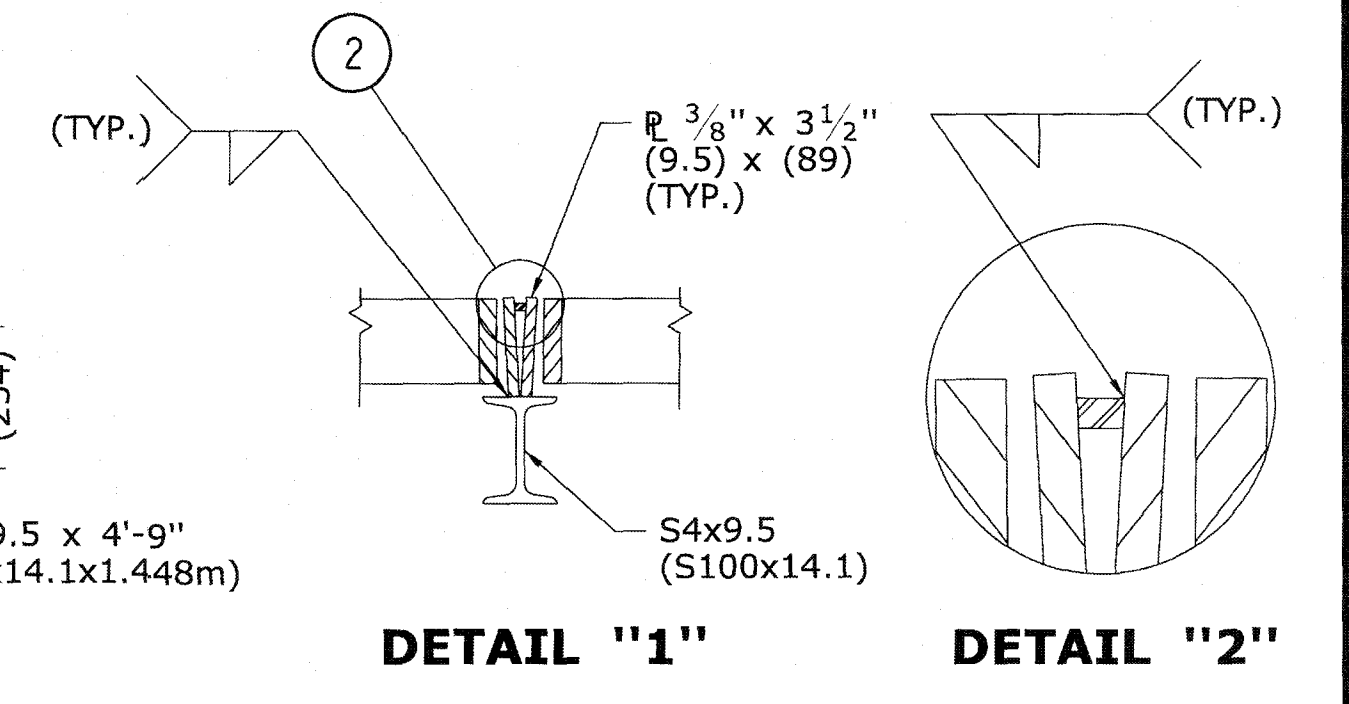
SECTION C



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

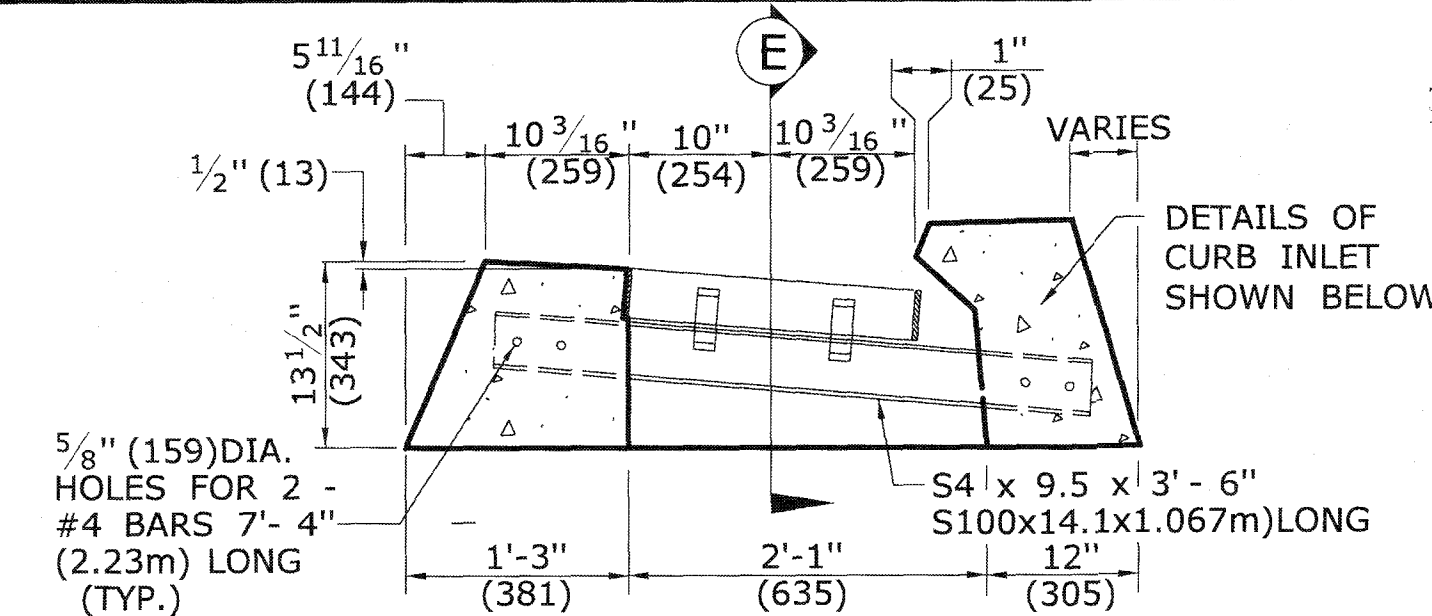


SECTION D

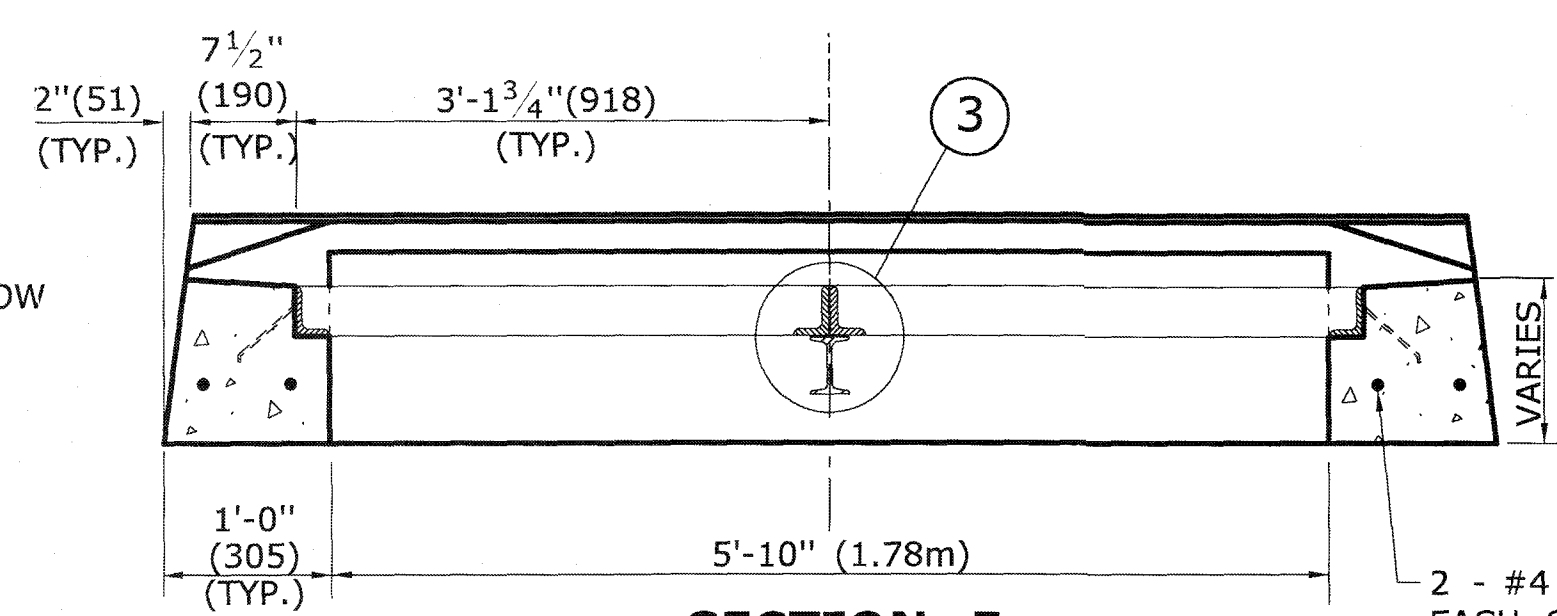


DETAIL "1"

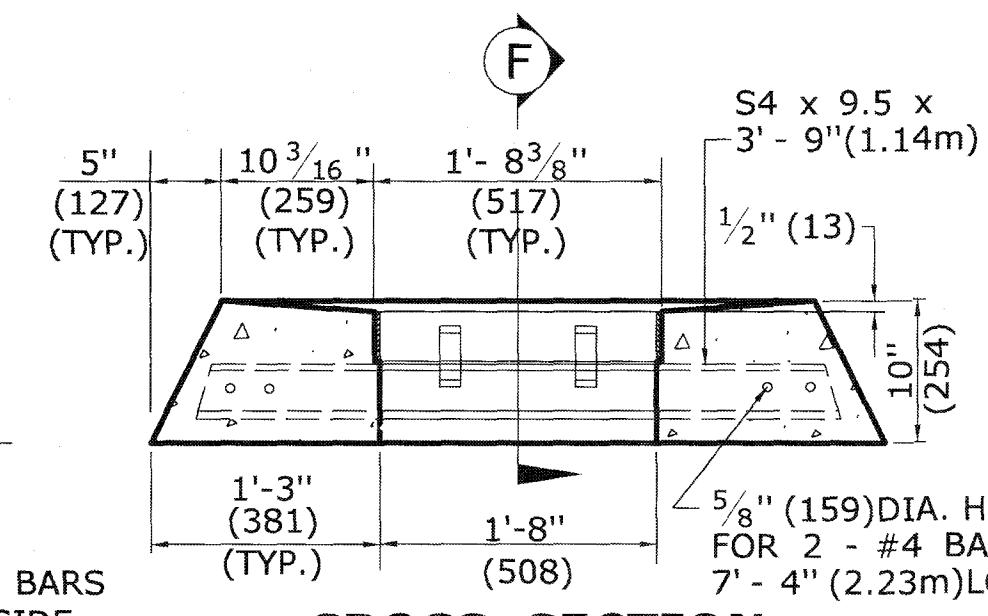
DETAIL "2"



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

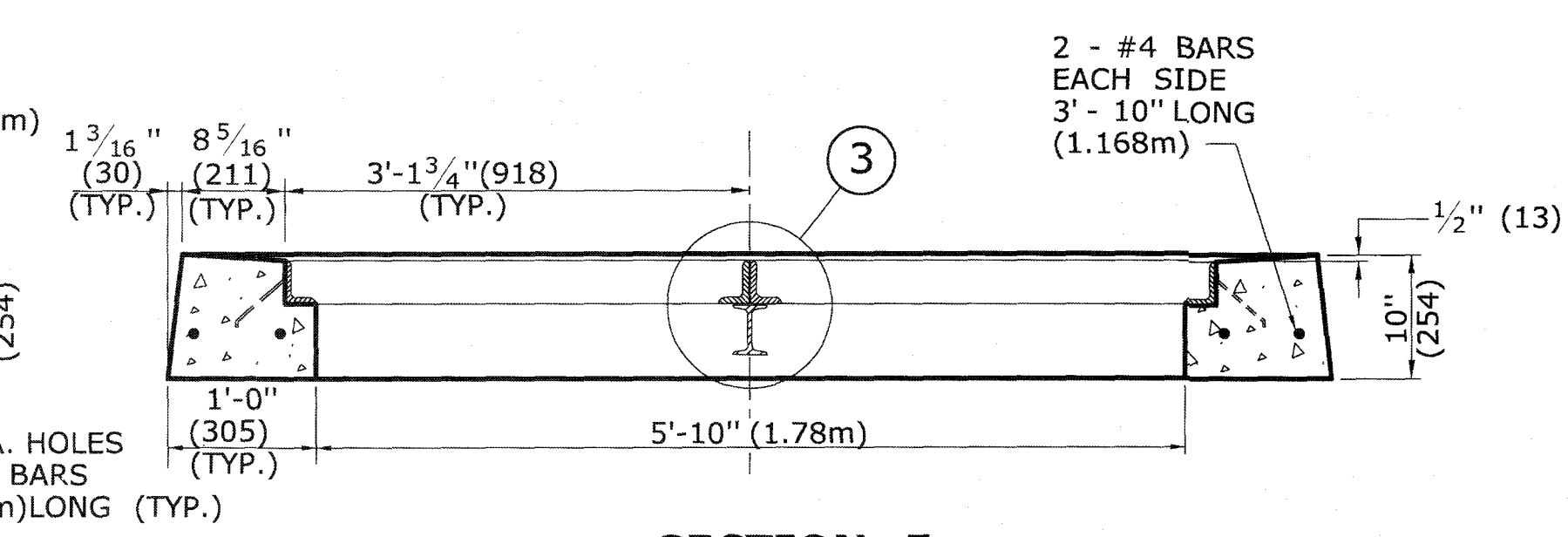


SECTION E

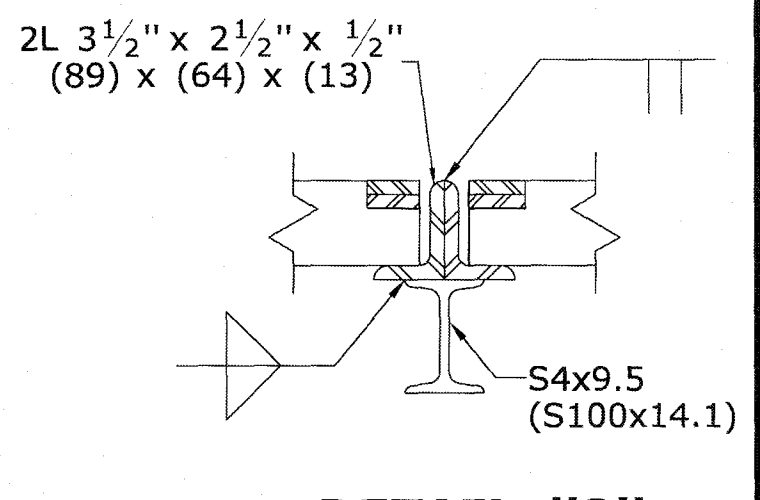


CROSS SECTION

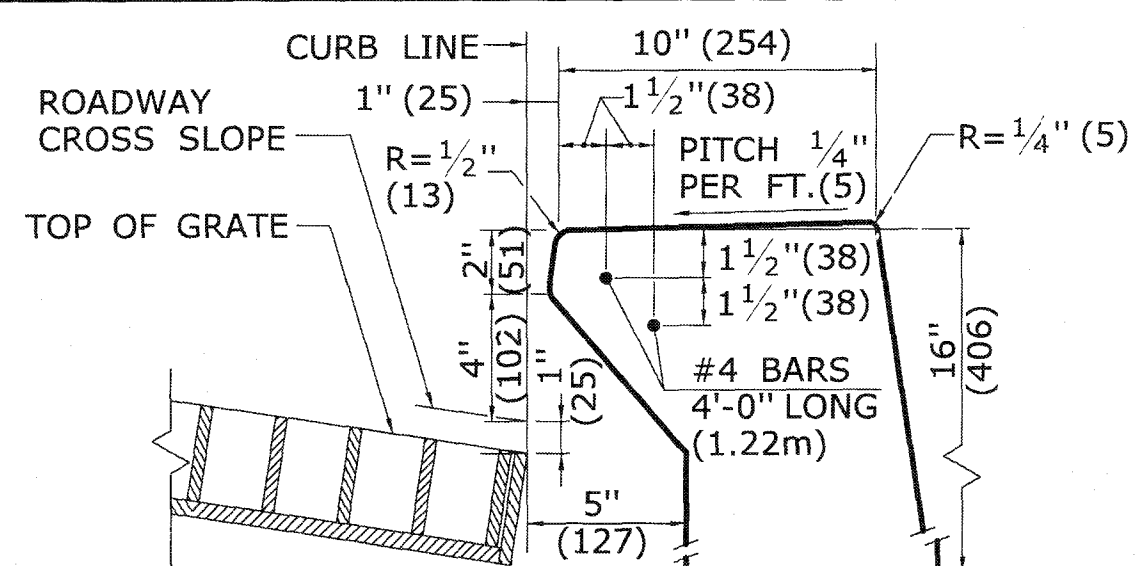
TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE II TOP



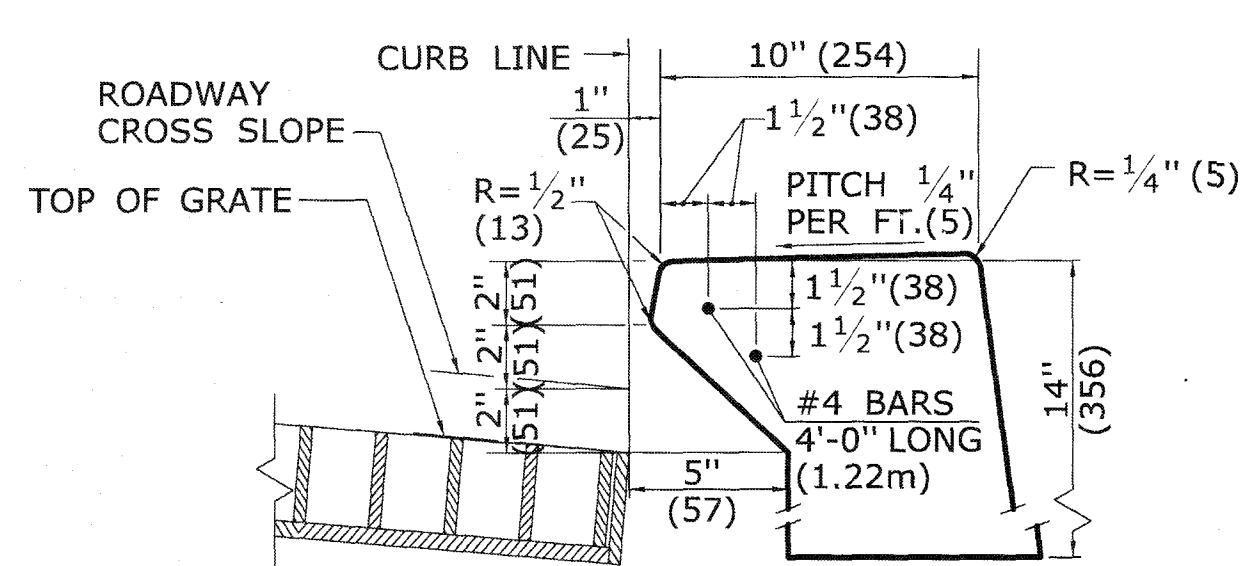
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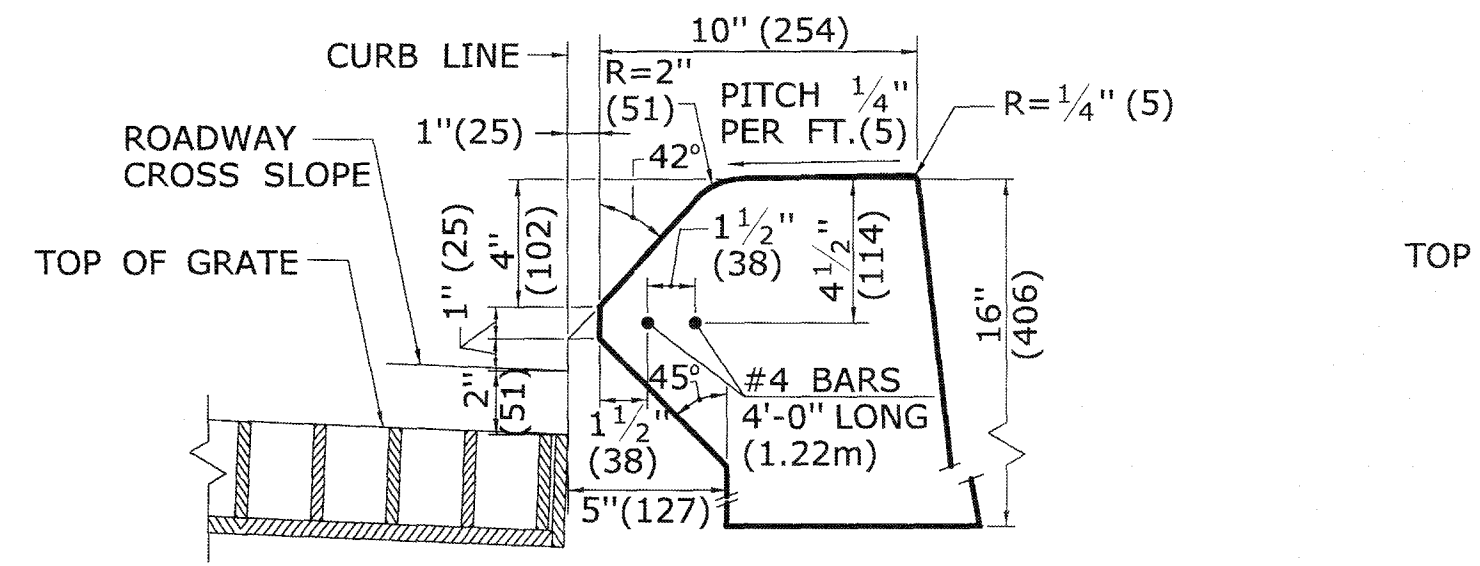
DETAIL "3"



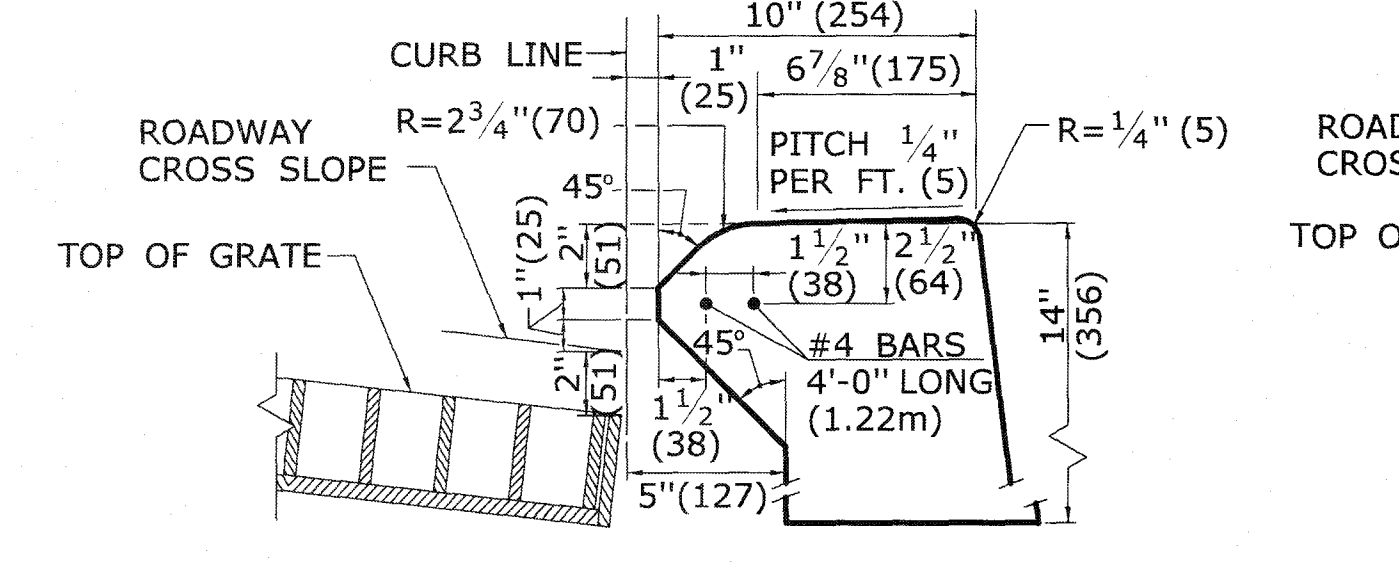
**INLET WITH 6" (152) CONCRETE OR
STONE CURBING FOR TYPE "C" CB**



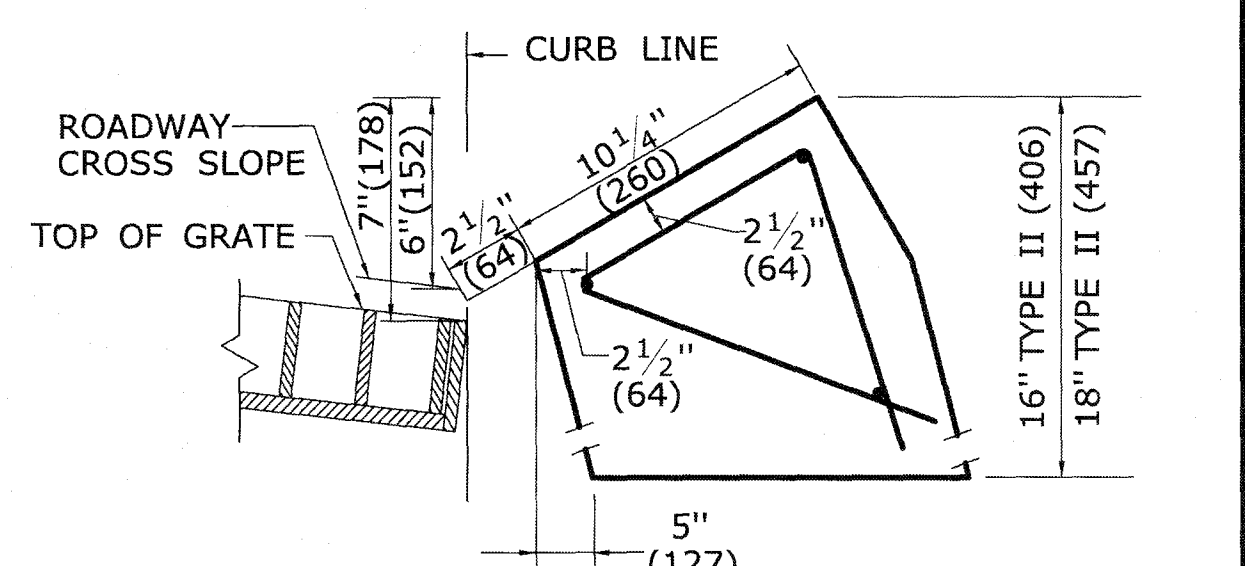
**INLET WITH NO CURBING
(PLAIN TYPE) FOR TYPE "C" CB**



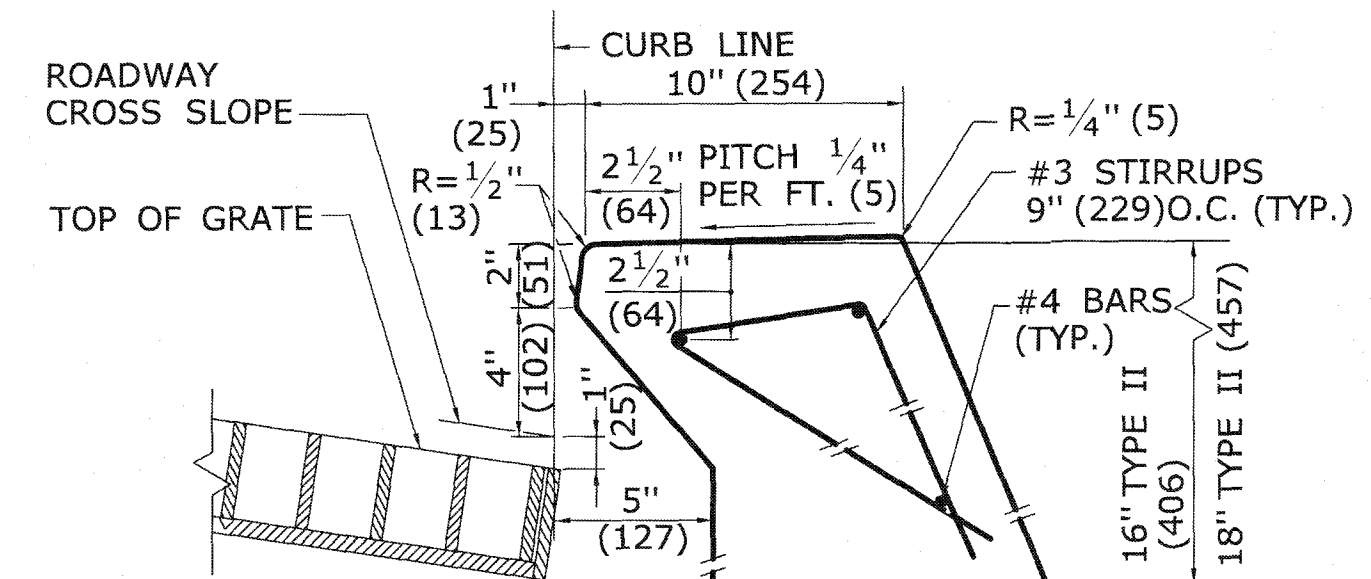
**INLET WITH 6" (152) BITUMINOUS
CONCRETE LIP CURBING FOR TYPE "C" CB**



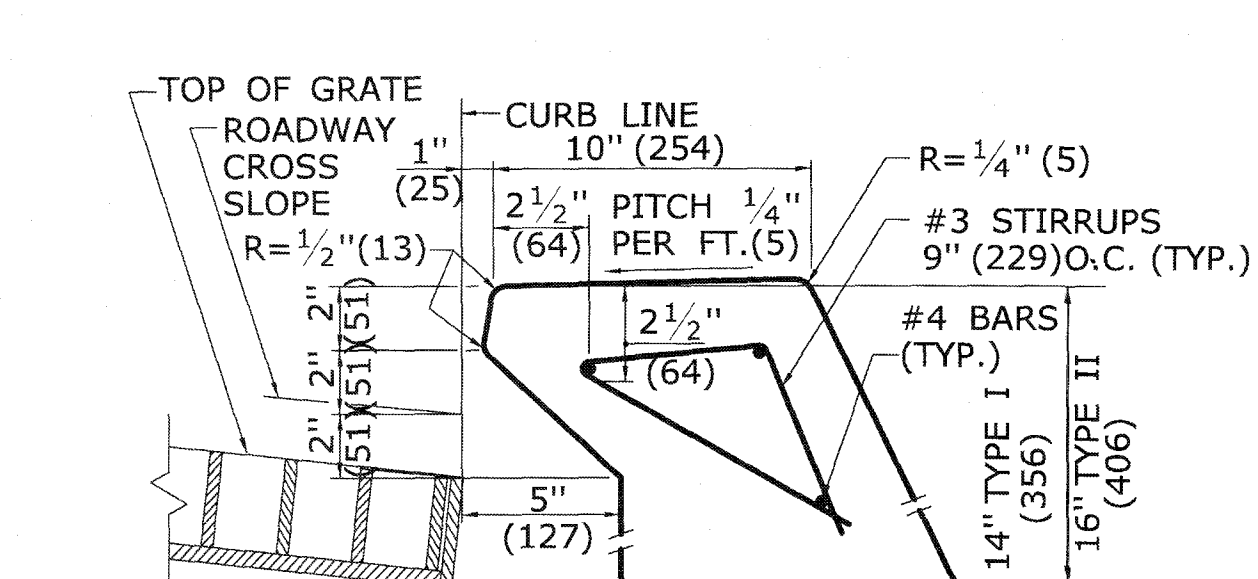
**INLET WITH 4" (102) CONCRETE
PARK CURBING FOR TYPE "C" CB**



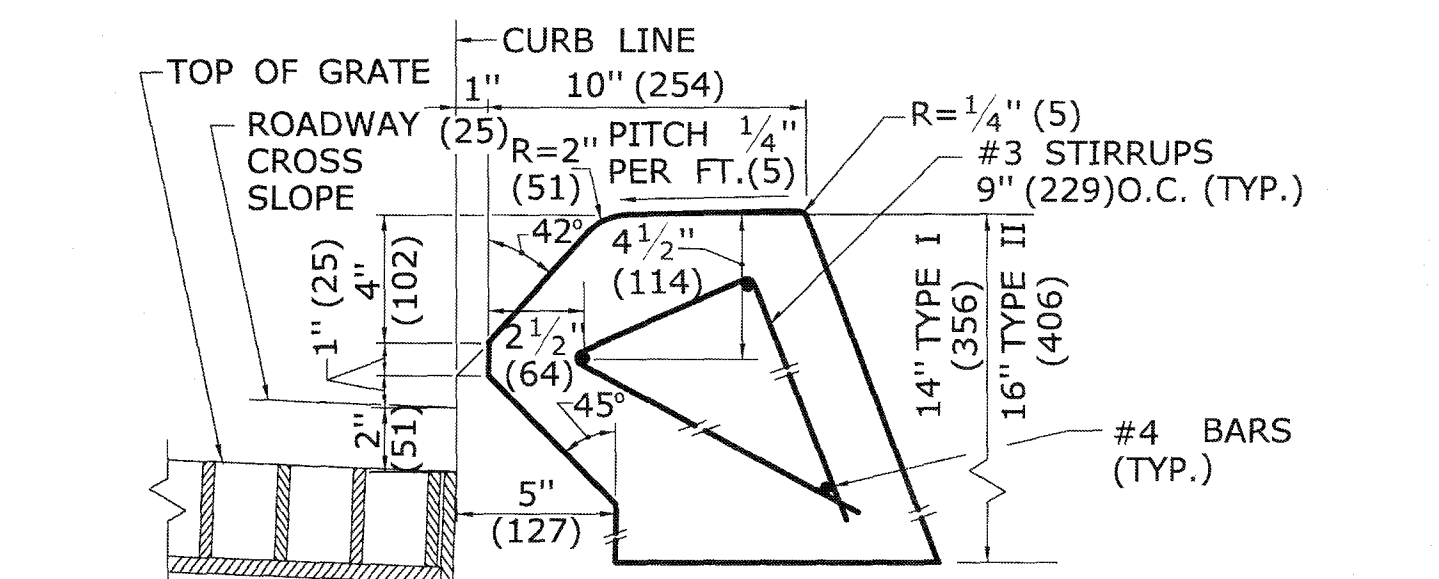
**INLET WITH GRANITE
SLOPE CURB FOR TYPE "C" CB**



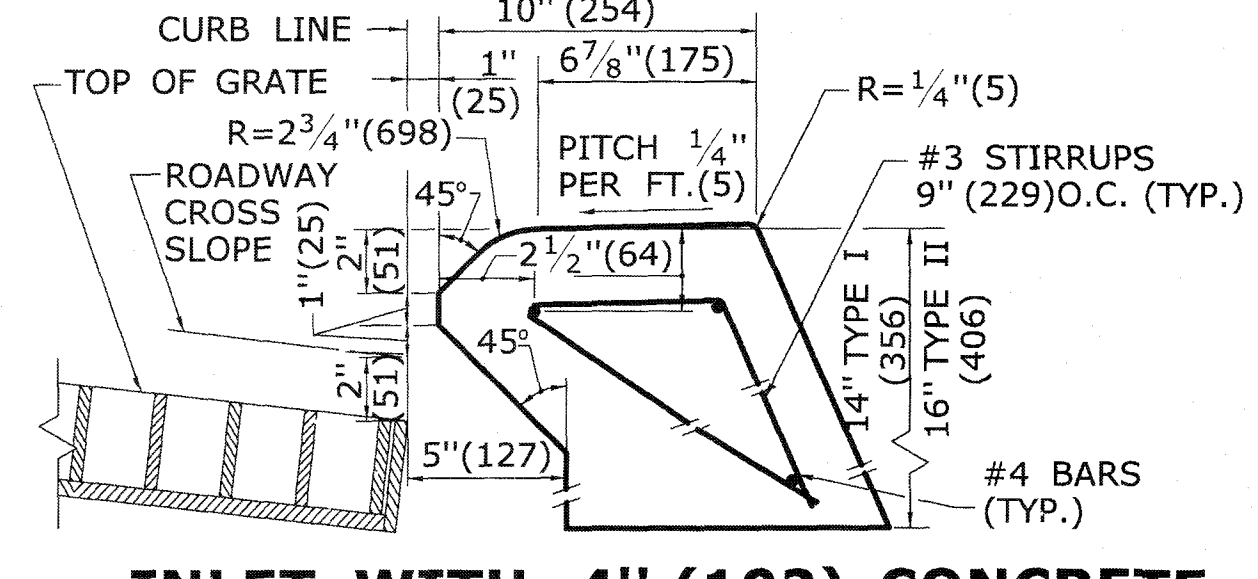
**INLET WITH 6" (152) CONCRETE OR
STONE CURBING FOR TYPE "C" CB
DOUBLE GRATE TYPE I & II**



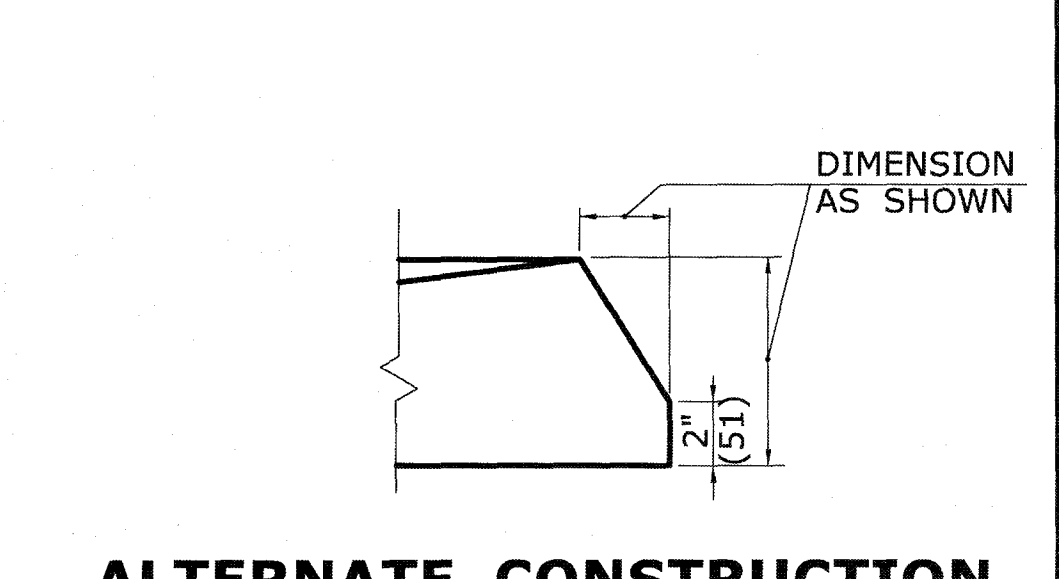
**INLET WITH NO CURBING
(PLAIN TYPE) FOR TYPE "C" CB
DOUBLE GRATE TYPE I & II**



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



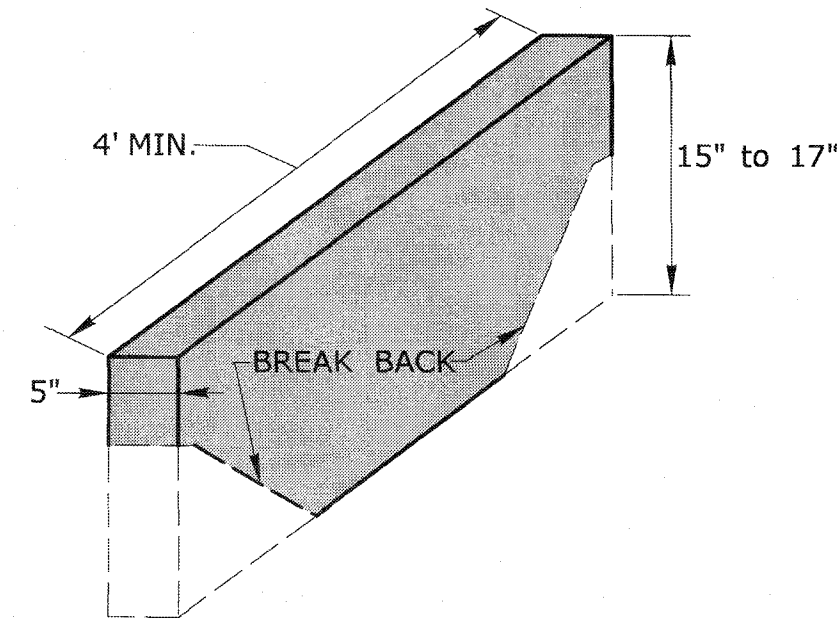
**INLET WITH 4" (102) CONCRETE
PARK CURBING FOR TYPE "C" CB
DOUBLE GRATE TYPE I & II**



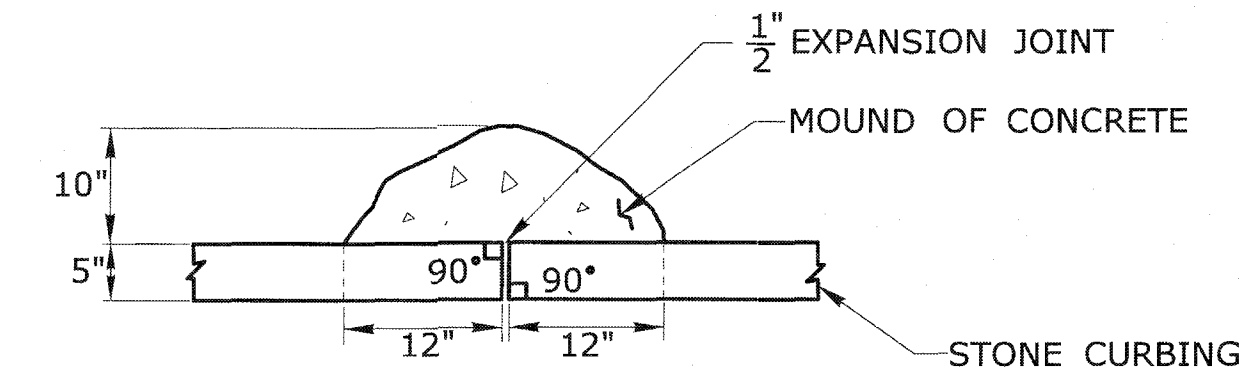
**ALTERNATE CONSTRUCTION
OF TYPE II TOP**

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

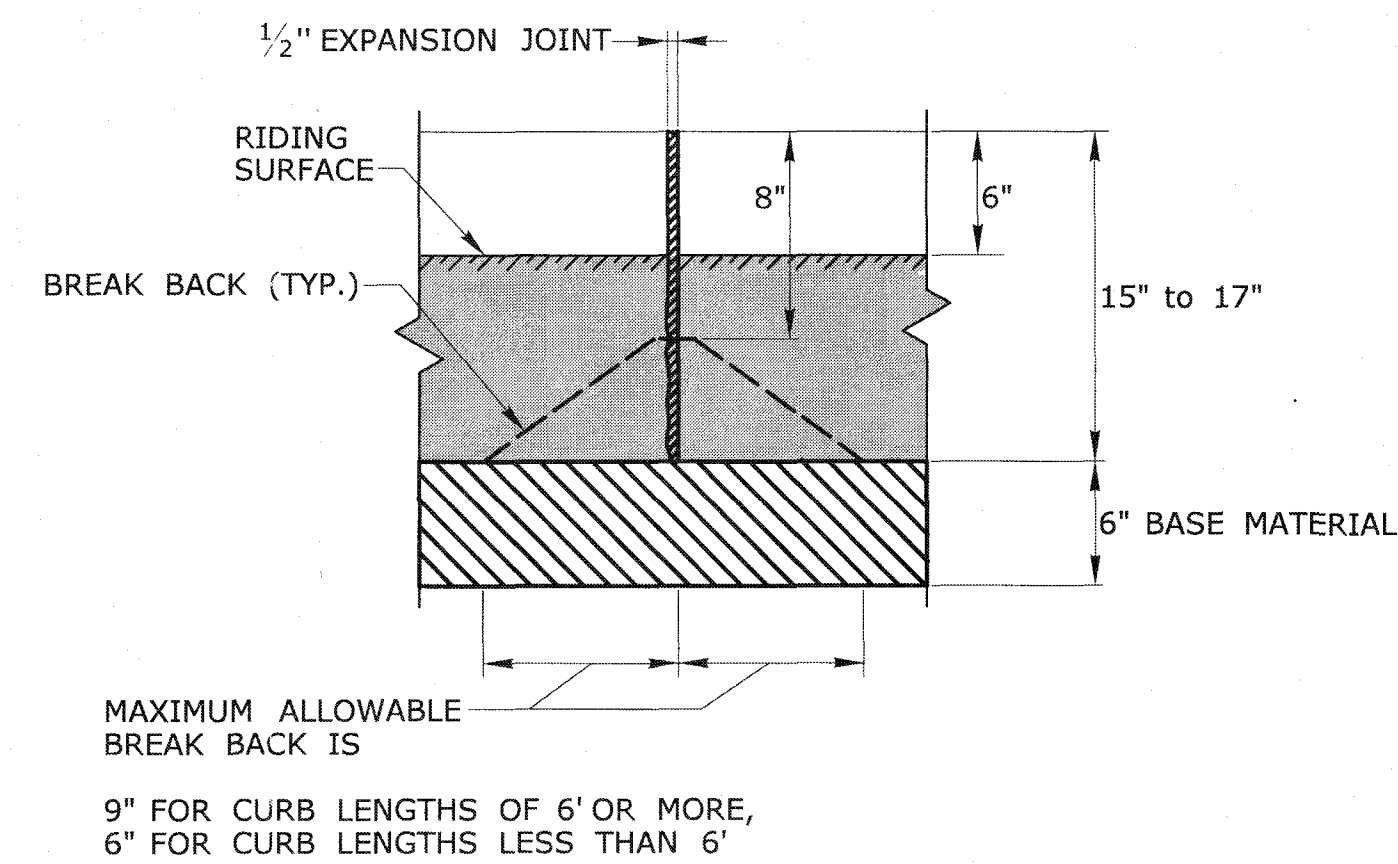
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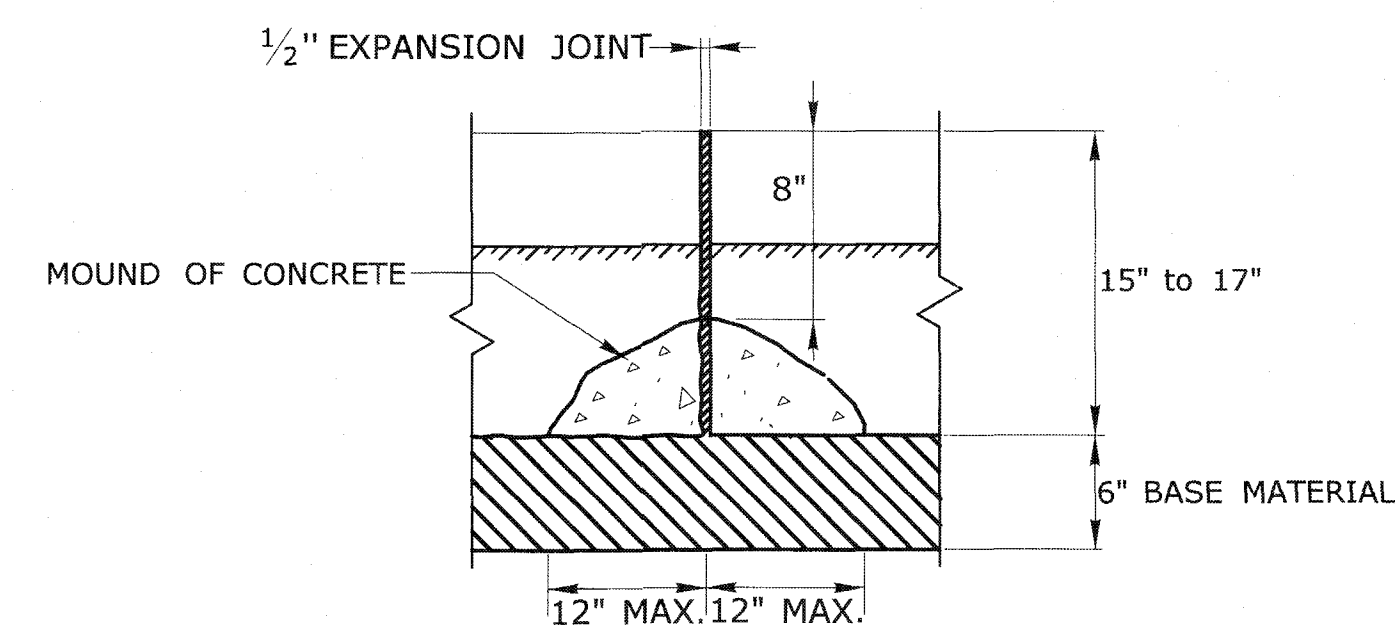
STONE CURBING



PLAN

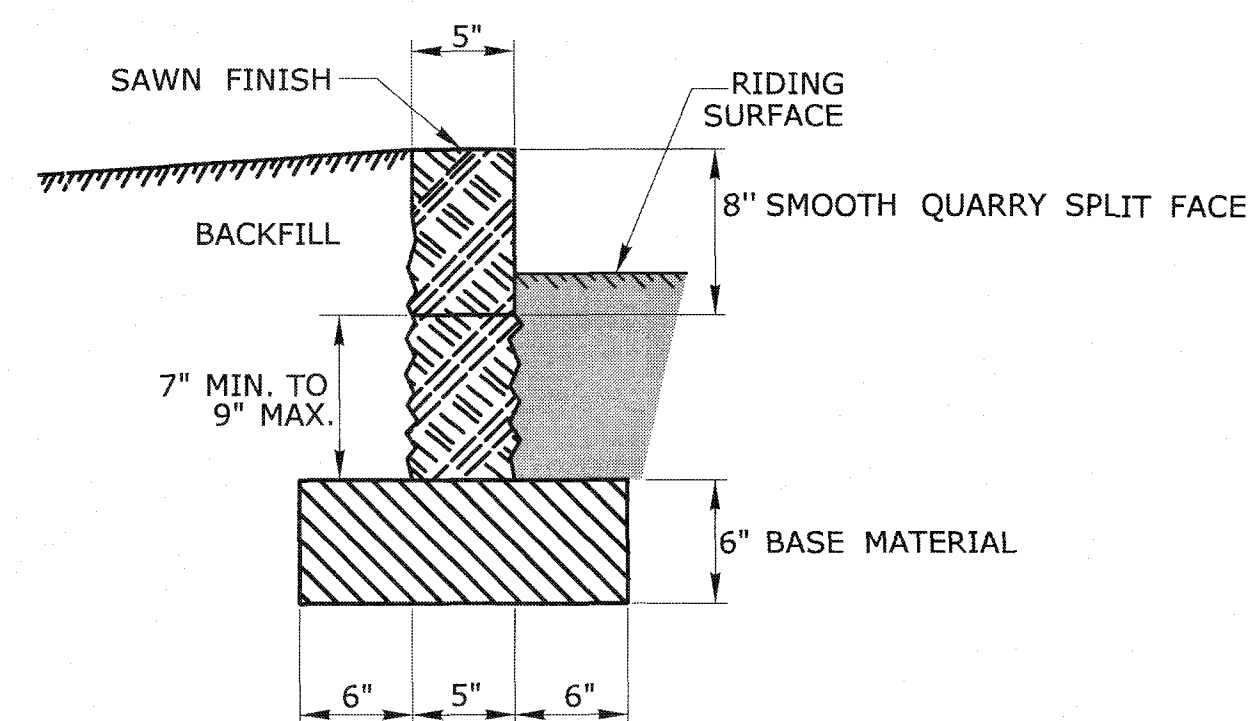


FRONT
ELEVATION



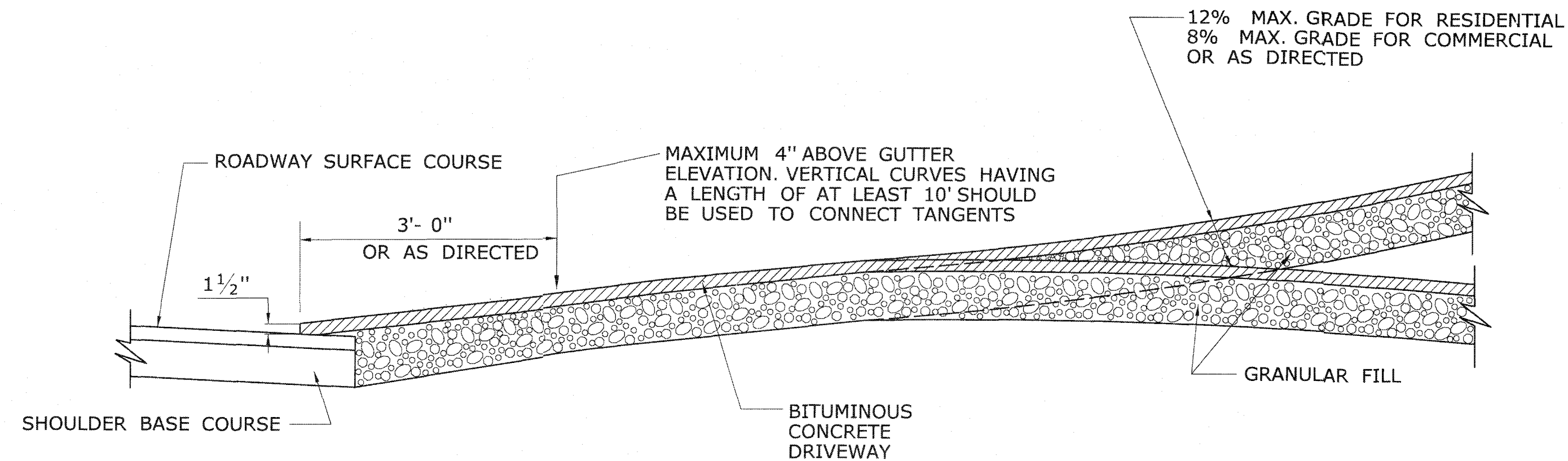
BACK
ELEVATION

MOUND OF CONCRETE AT ALL JOINTS
FOR STONE CURBING

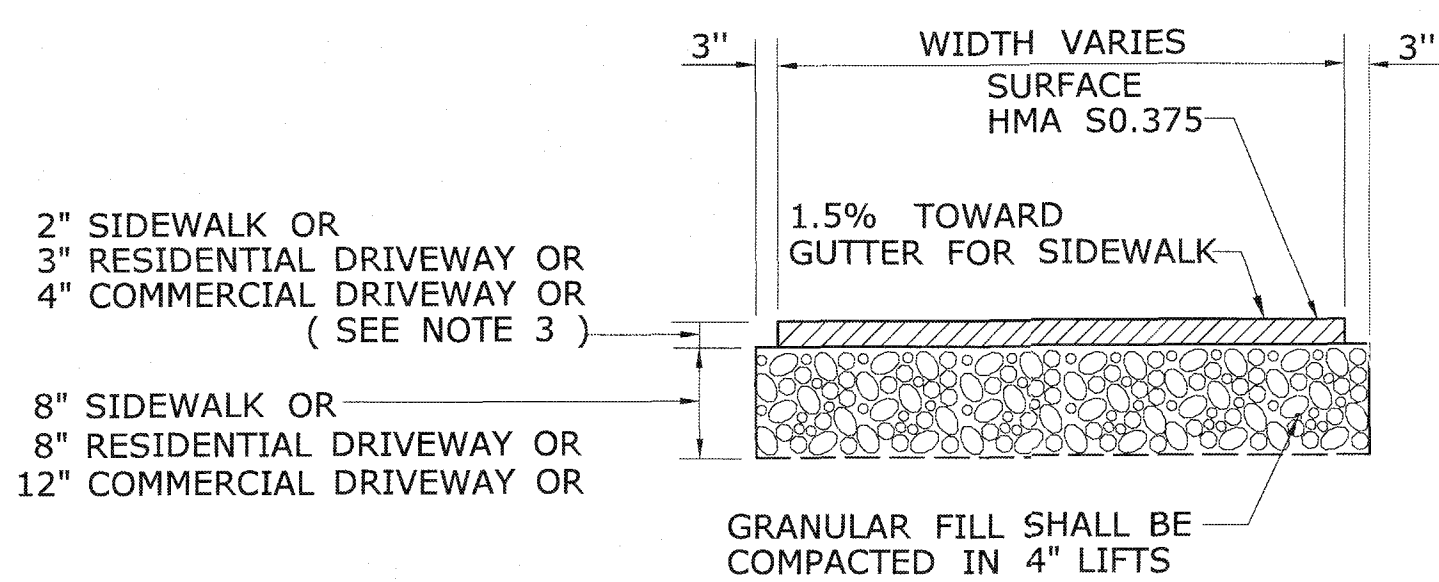


SECTION

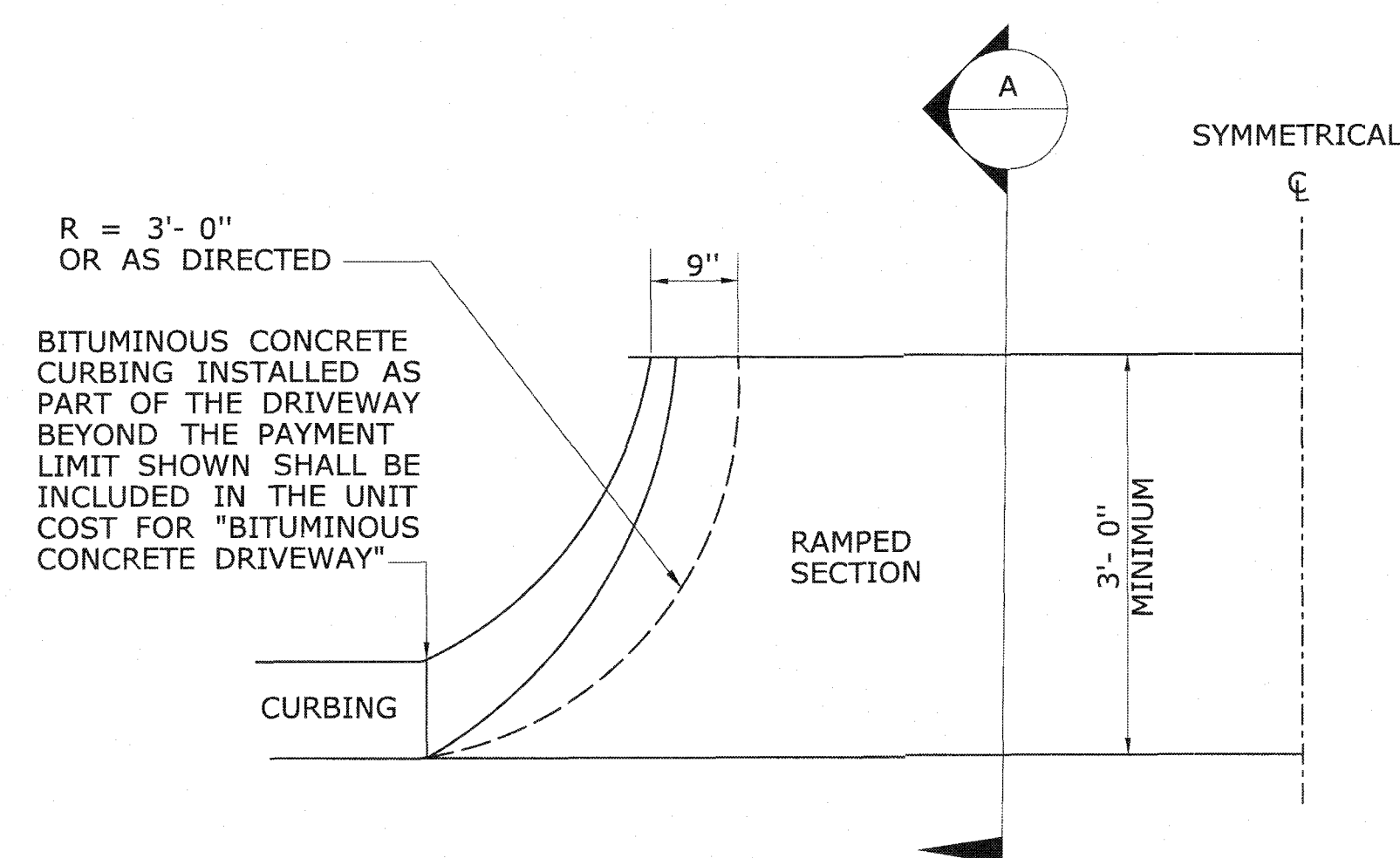
1	6/17	NEW SHEET	<p>THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.</p>	<p>NOT TO SCALE</p>	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	SUBMITTED BY:	NAME/DATE/TIME:	<p>CTDOT STANDARD SHEET</p>	<p>STANDARD SHEET TITLE: STONE CURBING</p>	<p>STANDARD SHEET NO.: HW-813_02</p>
						APPROVED BY:	NAME/DATE/TIME:			
REV.	DATE	REVISION DESCRIPTION	Plotted Date: 6/6/2017		Filename: HW-813_02.dgn	Model: CT_Civil_2D_Sheet		OFFICE OF ENGINEERING		



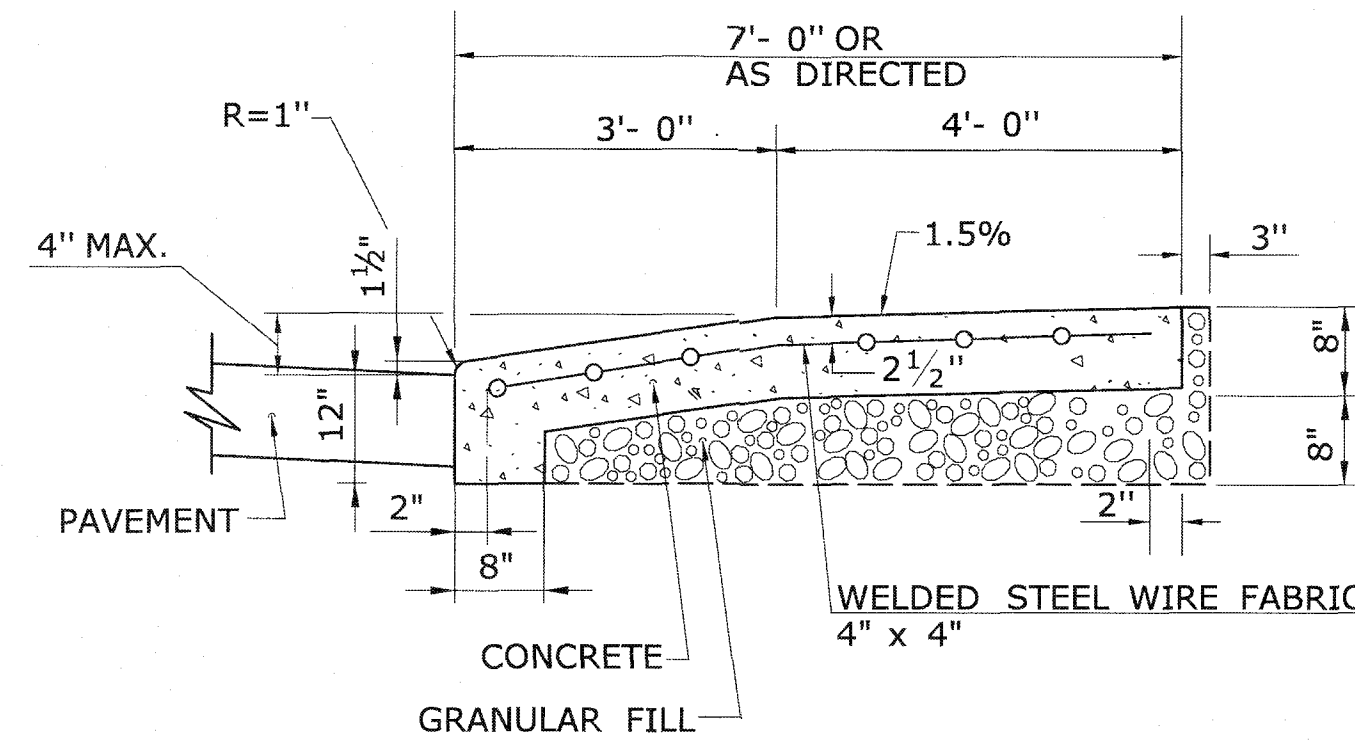
SECTION A



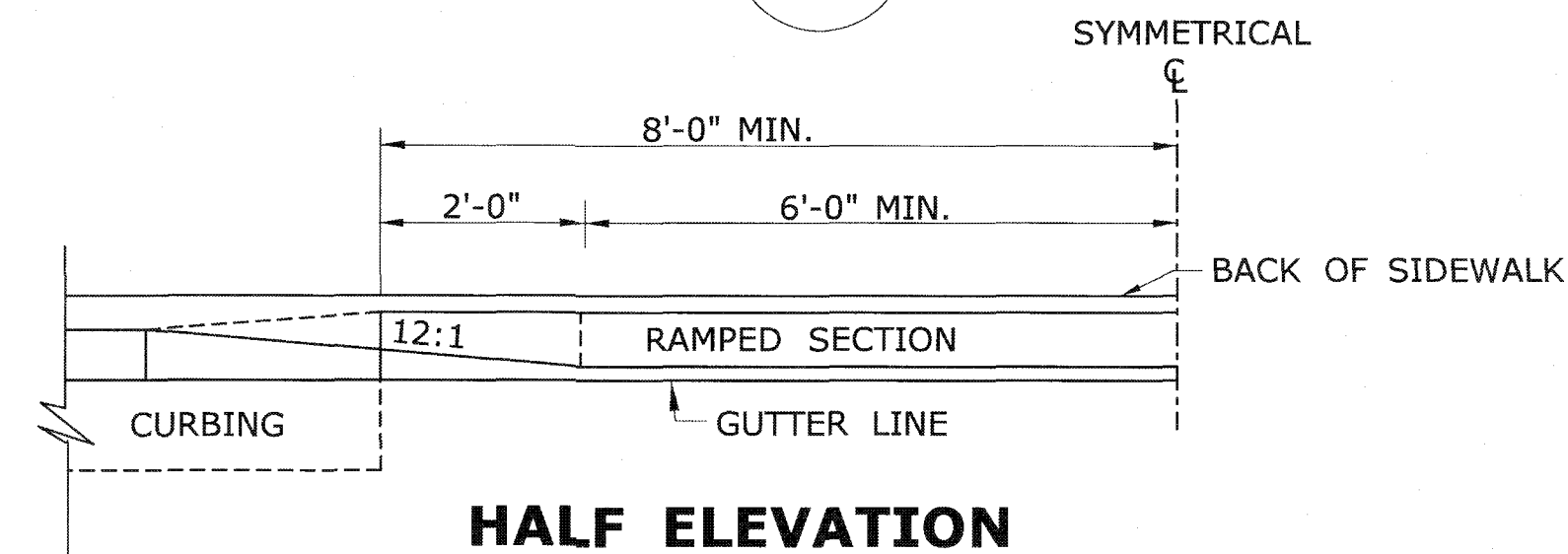
TYPICAL SECTION
BITUMINOUS CONCRETE
SIDEWALK AND DRIVEWAY



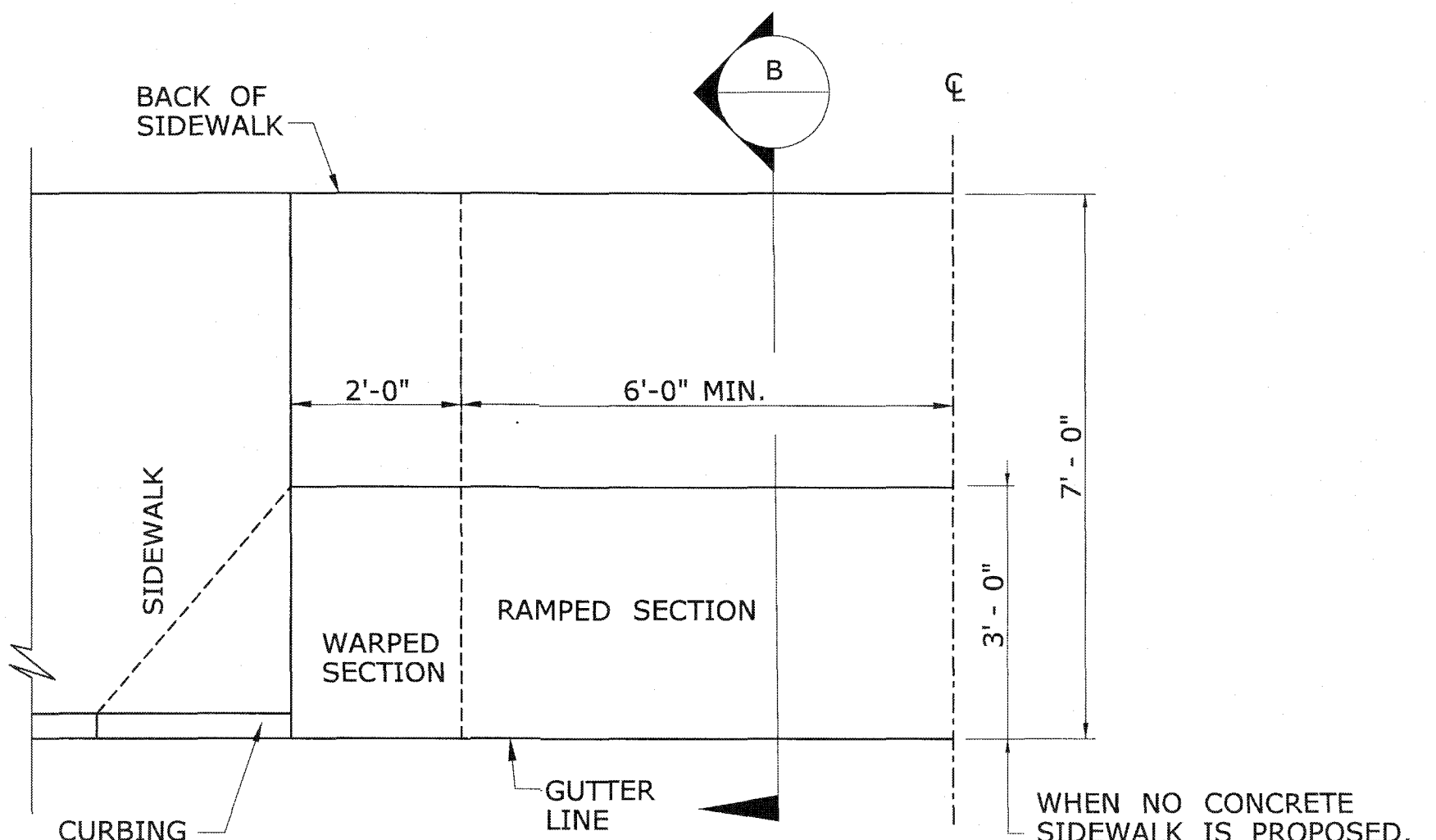
HALF BITUMINOUS CONCRETE
DRIVEWAY PLAN



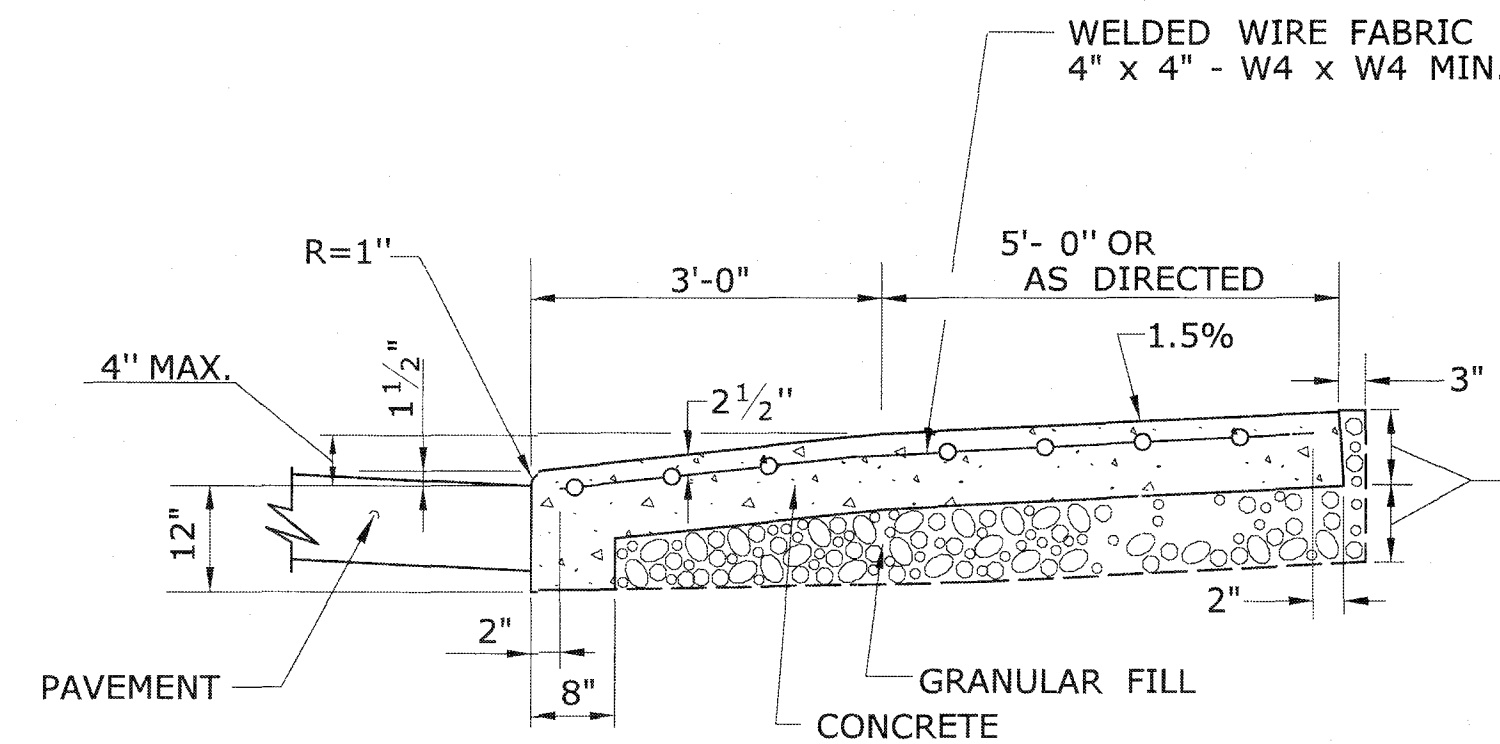
SECTION B



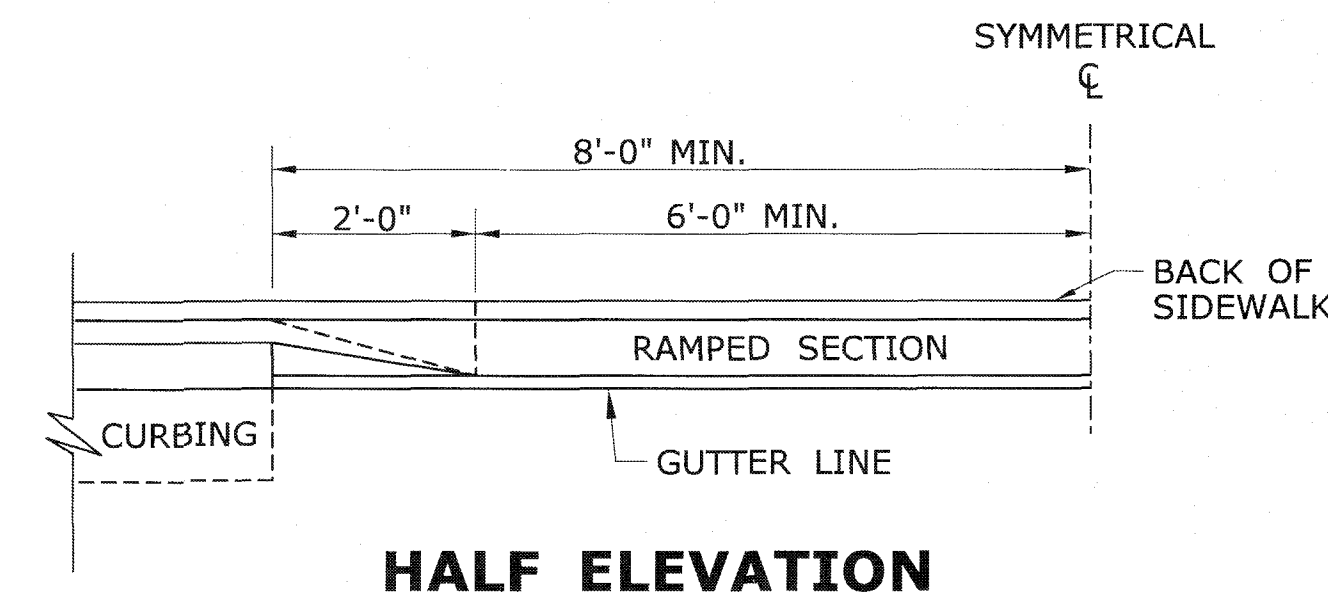
HALF PLAN OF
CONCRETE DRIVEWAY RAMP WHERE
SIDEWALK ADJOINS CURBING



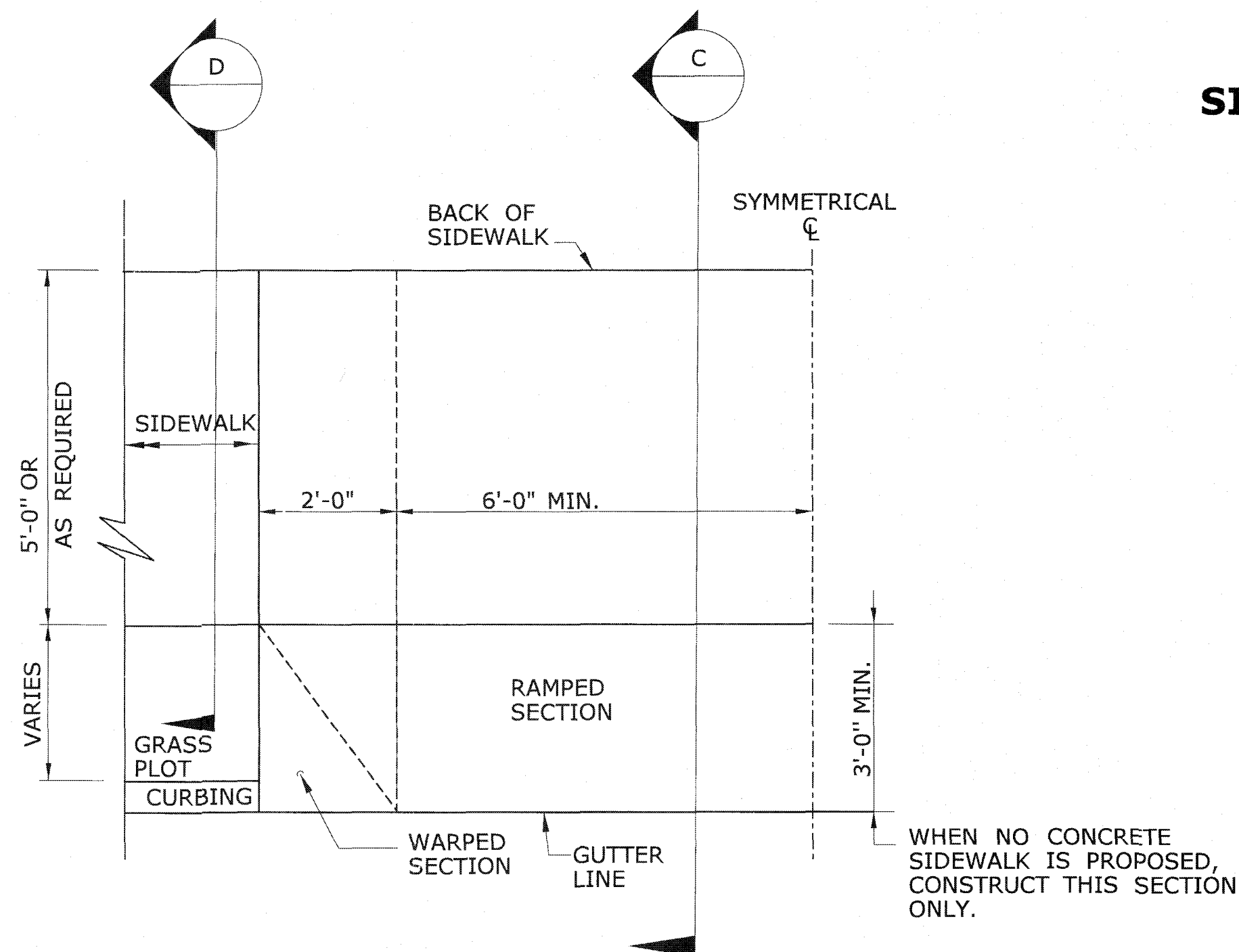
WHEN NO CONCRETE
SIDEWALK IS PROPOSED,
CONSTRUCT THIS SECTION
ONLY.



SECTION C

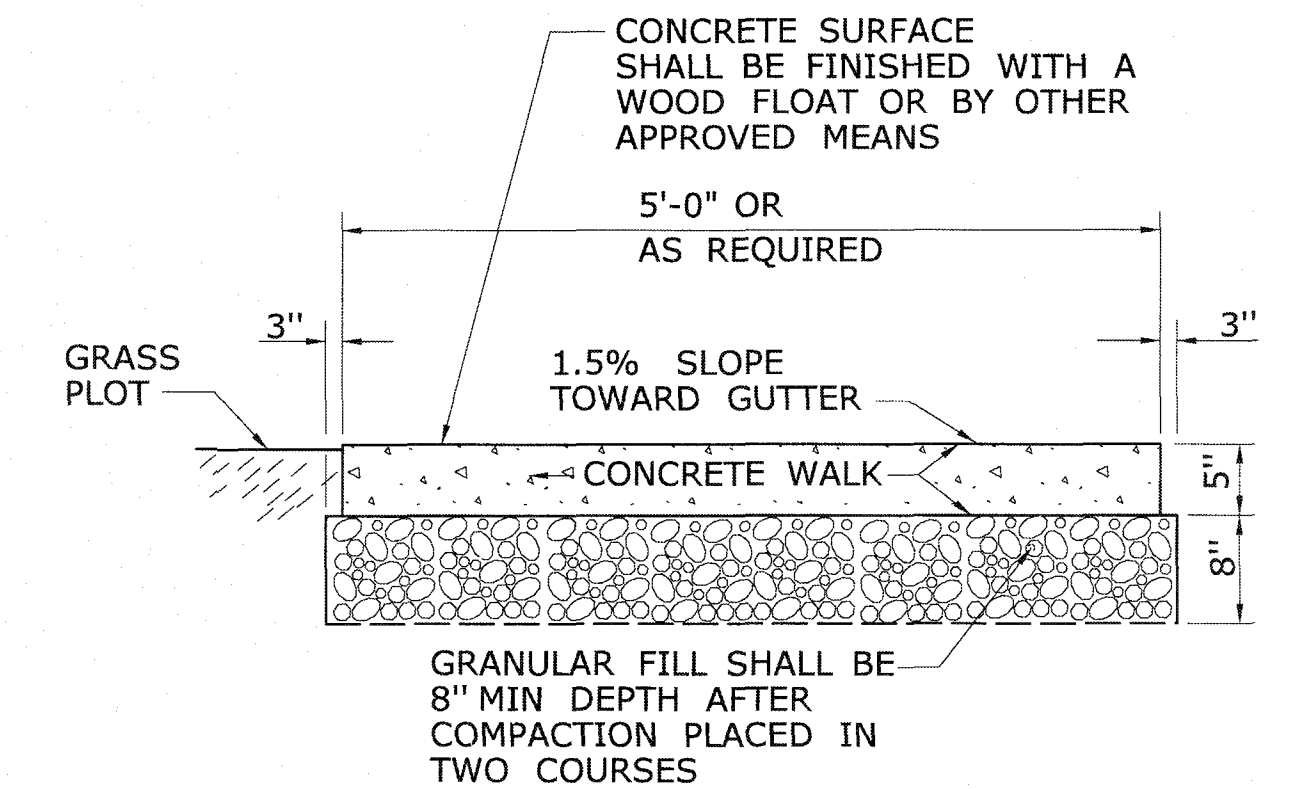


HALF PLAN OF
CONCRETE DRIVEWAY RAMP WHERE
CURB IS SEPARATED FROM
SIDEWALK BY GRASS PLOT



WHEN NO CONCRETE
SIDEWALK IS PROPOSED,
CONSTRUCT THIS SECTION
ONLY.

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



SECTION D

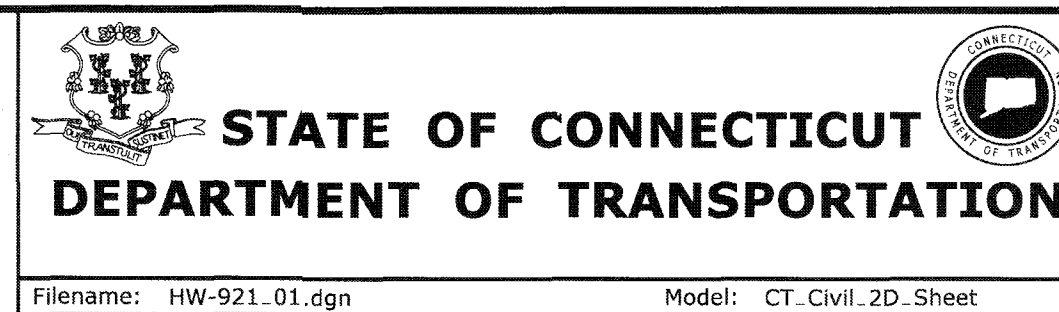
5' WIDE CONCRETE
SIDEWALK WITH GRASS PLOT

REV.	DATE	REVISION DESCRIPTION
1	6/01/10	REVISED BORDER TITLE
2	6/01/10	REVISED HALF ELEVATION DETAILS
3	1/12	REVISED 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



SUBMITTED BY:	NAME/DATE/TIME:
APPROVED BY:	NAME/DATE/TIME:

CTDOT
STANDARD SHEET
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:	STANDARD SHEET NO.:
DRIVEWAY RAMPS AND SIDEWALKS	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:

A. 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)

B. LOCAL AUTHORITIES HAVING JURISDICTION (LAHJ)

C. O.S.H.A. REGULATIONS

D. 2010 AMERICANS WITH DISABILITIES ACT, ADA REQUIREMENTS (FEDERAL LAW)

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
AFB	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
EW	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

PROJECT RESPONSIBILITY SCHEDULE

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:

- 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

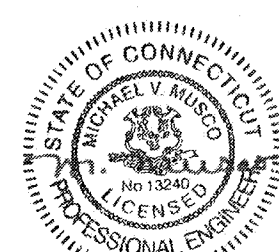
REFERENCE DRAWINGS

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

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

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

PREPARED FOR:
TOWN OF EAST HAVEN

NOVEMBER 11, 2020



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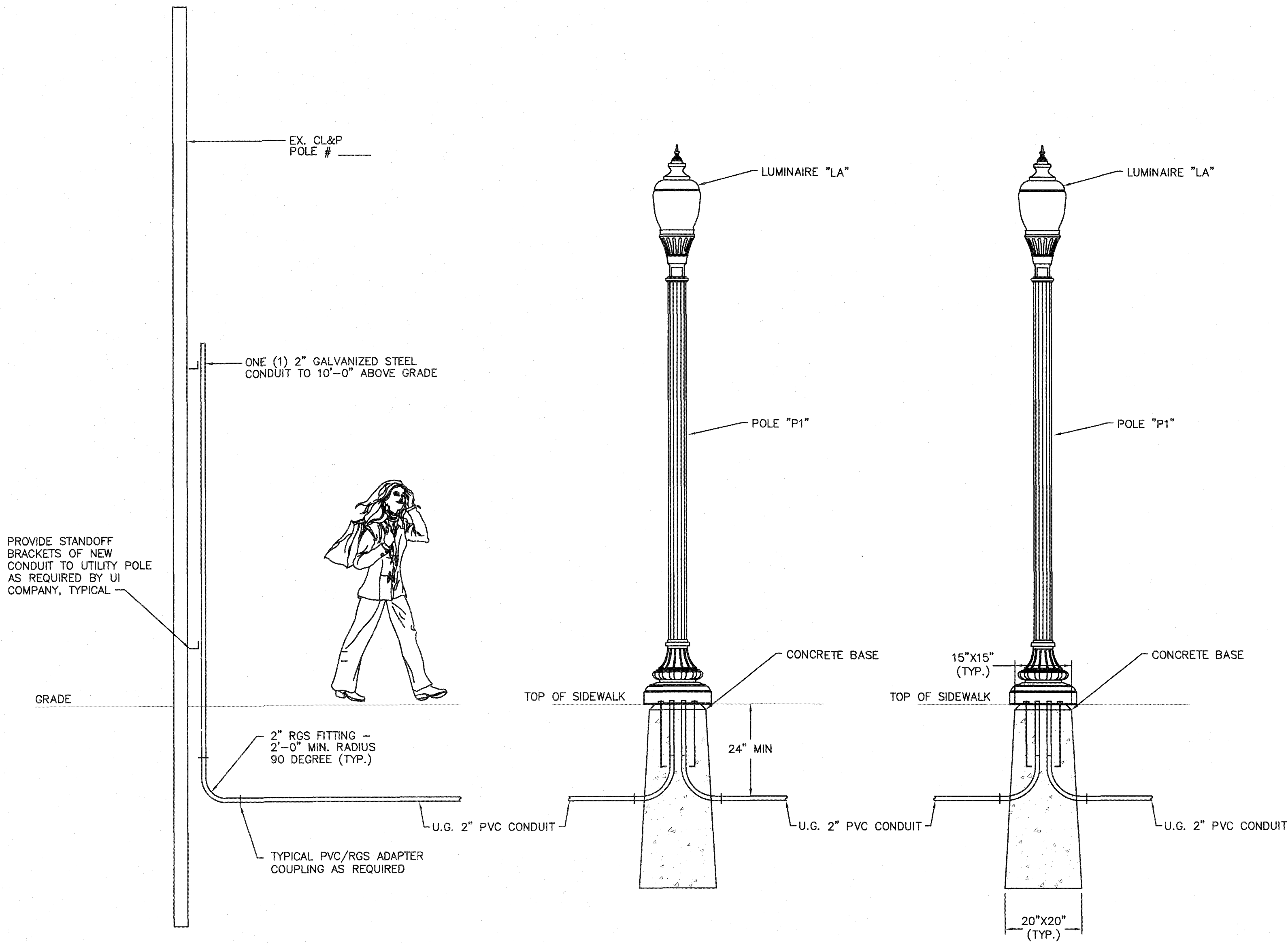
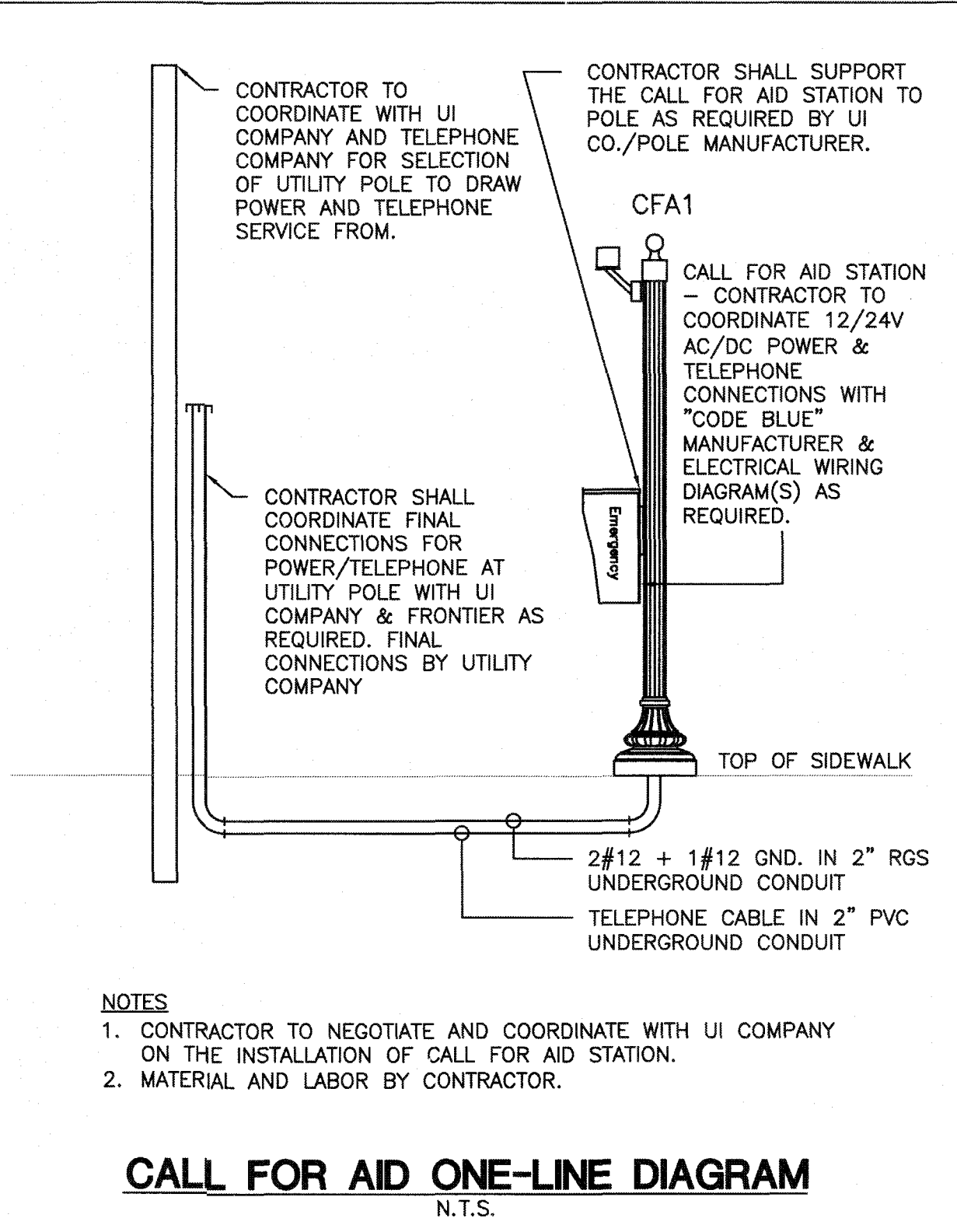
JOB NO. 14-066

SHEET NO. 51

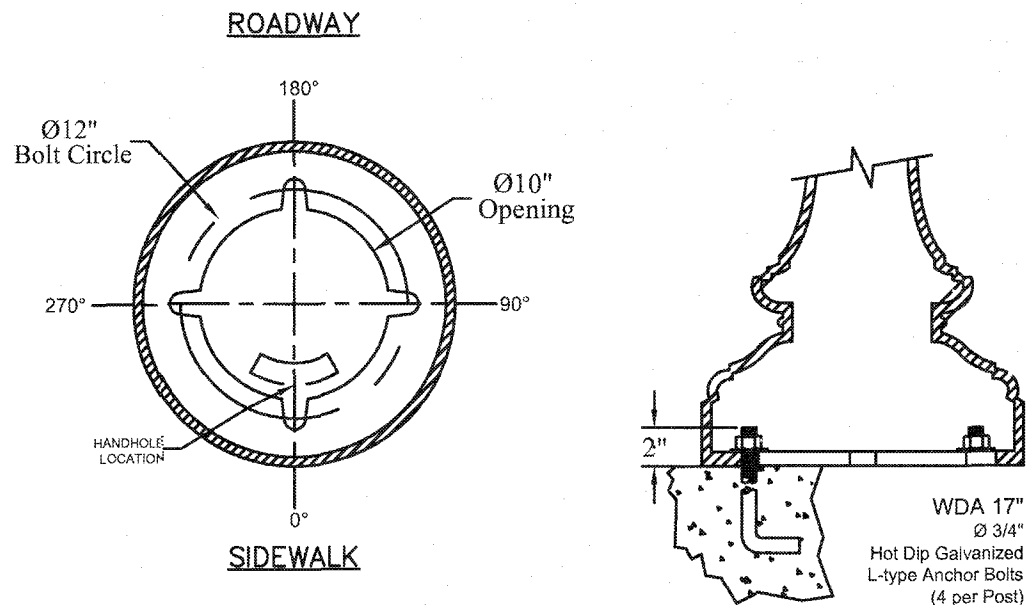
EQUIPMENT SCHEDULE (BY UI COMPANY)									
TYPE	TYPE	MANUFACTURER	EST. WATTS	CATALOG NUMBER	QTY.	LAMP TYPE	VOLTS	MOUNTING	REMARKS
LIGHT	LA	COOPER	40	ULA-A4-U-SYM-VM8-4N7-GN	14	080-LED	120	CONCRETE BASE	LED POLE-MTD. LUMINAIRE, ACORN TOP, HARTFORD GREEN
POLE	P1	HOLOPHANE	-	WDA-12-FTJ-17-P07-LAB-RAL6009-30%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

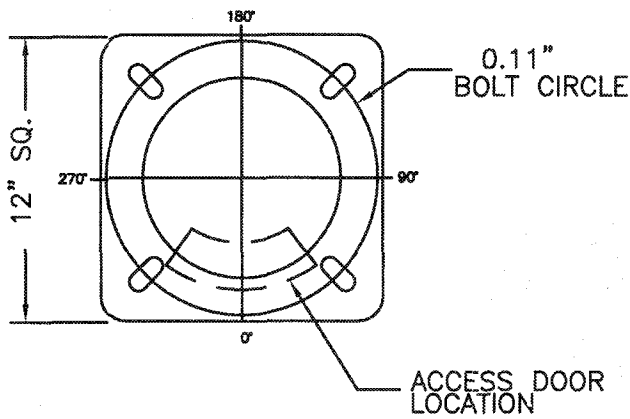
- NOTES
- CONDUIT SHALL BE A MINIMUM 24" FROM TOP OF PIPE TO GRADE.
 - CONDUIT INSIDE BASES IS RGS. PROVIDE PVC/RGS ADAPTER COUPLING TO CONNECT DIFFERENT TYPES OF CONDUIT.
 - TYPE "LA" FIXTURE AND TYPE "P1" POLE ARE TO BE ORDERED BY UI COMPANY. ALL OTHER EQUIPMENT FALLS UNDER THE RESPONSIBILITY OF THE 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.



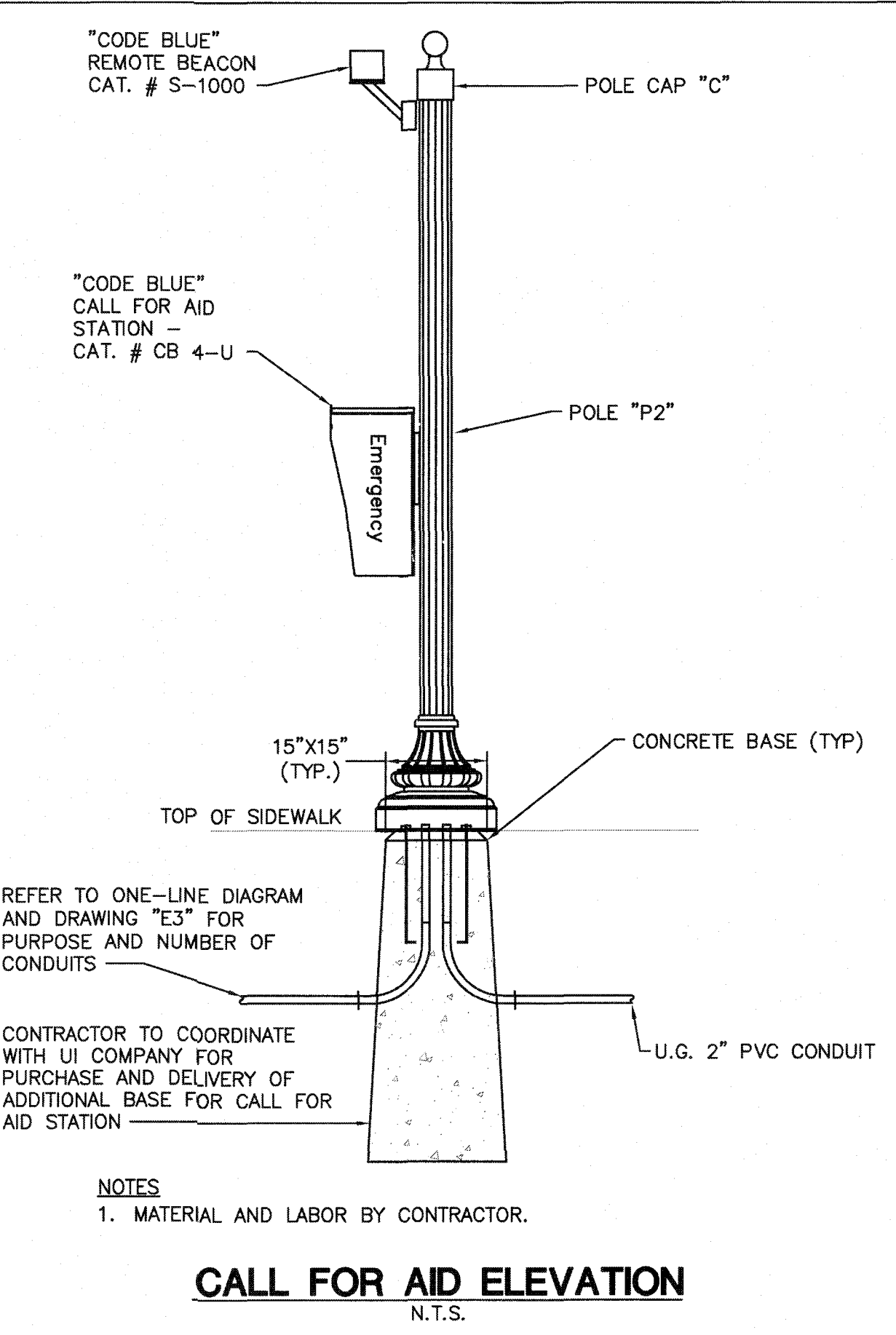
TYPICAL LIGHT POLE ELEVATION
N.T.S.



ANCHORAGE GUIDE
TYPE LA



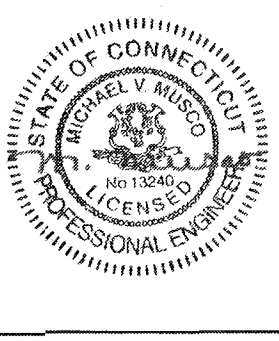
ANCHORAGE GUIDE
TYPE LB



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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EQUIPMENT SCHEDULES, NOTES & LIGHT POLE DETAILS

MAIN STREET AREA
EAST HAVEN, CONNECTICUT

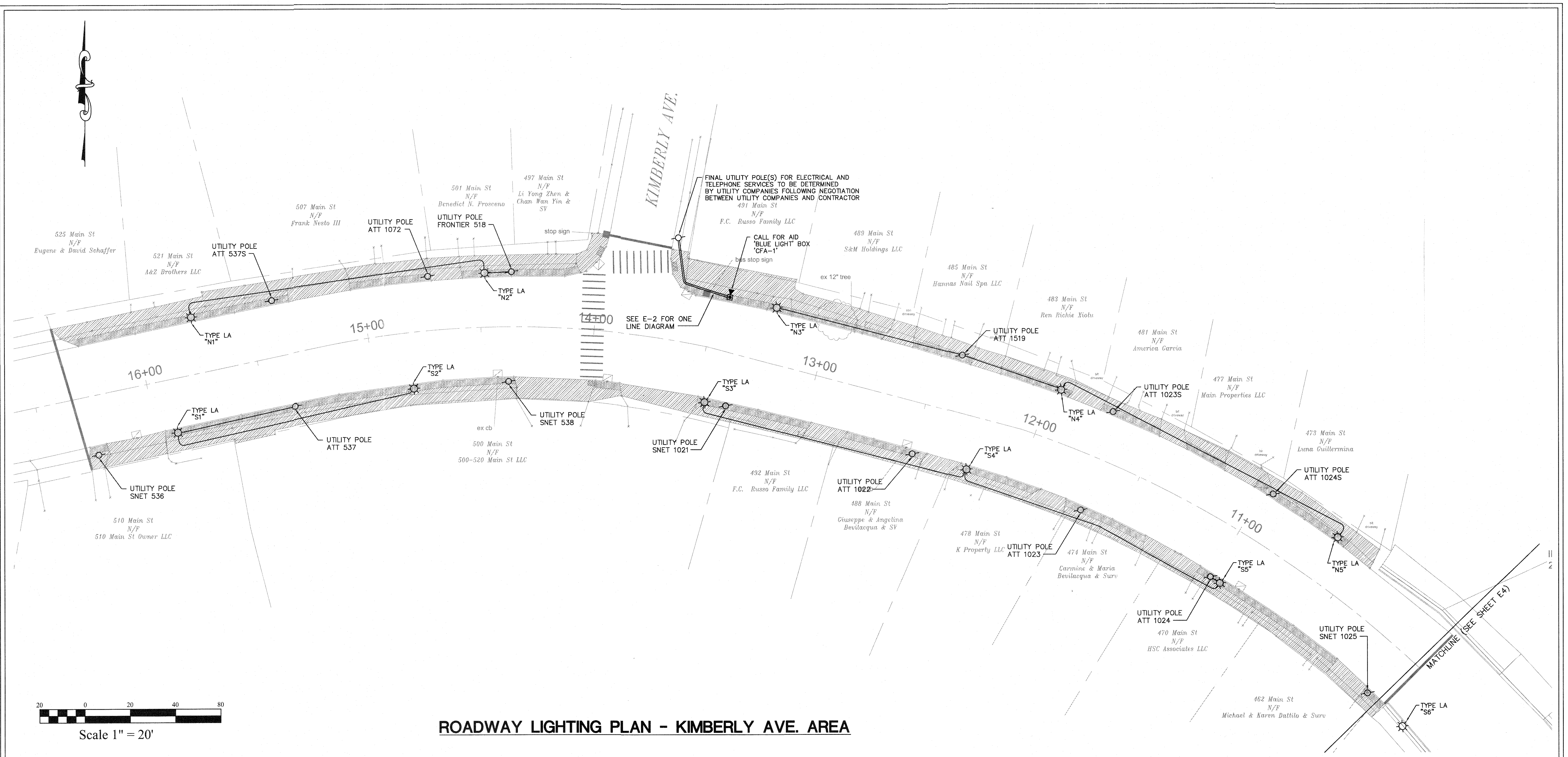
PREPARED FOR:
TOWN OF EAST HAVEN

NOVEMBER 11, 2020



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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
ORANGE, 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

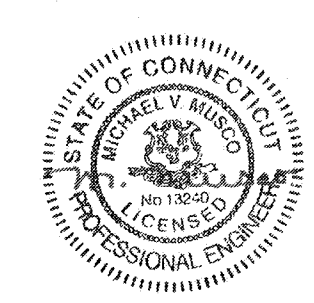
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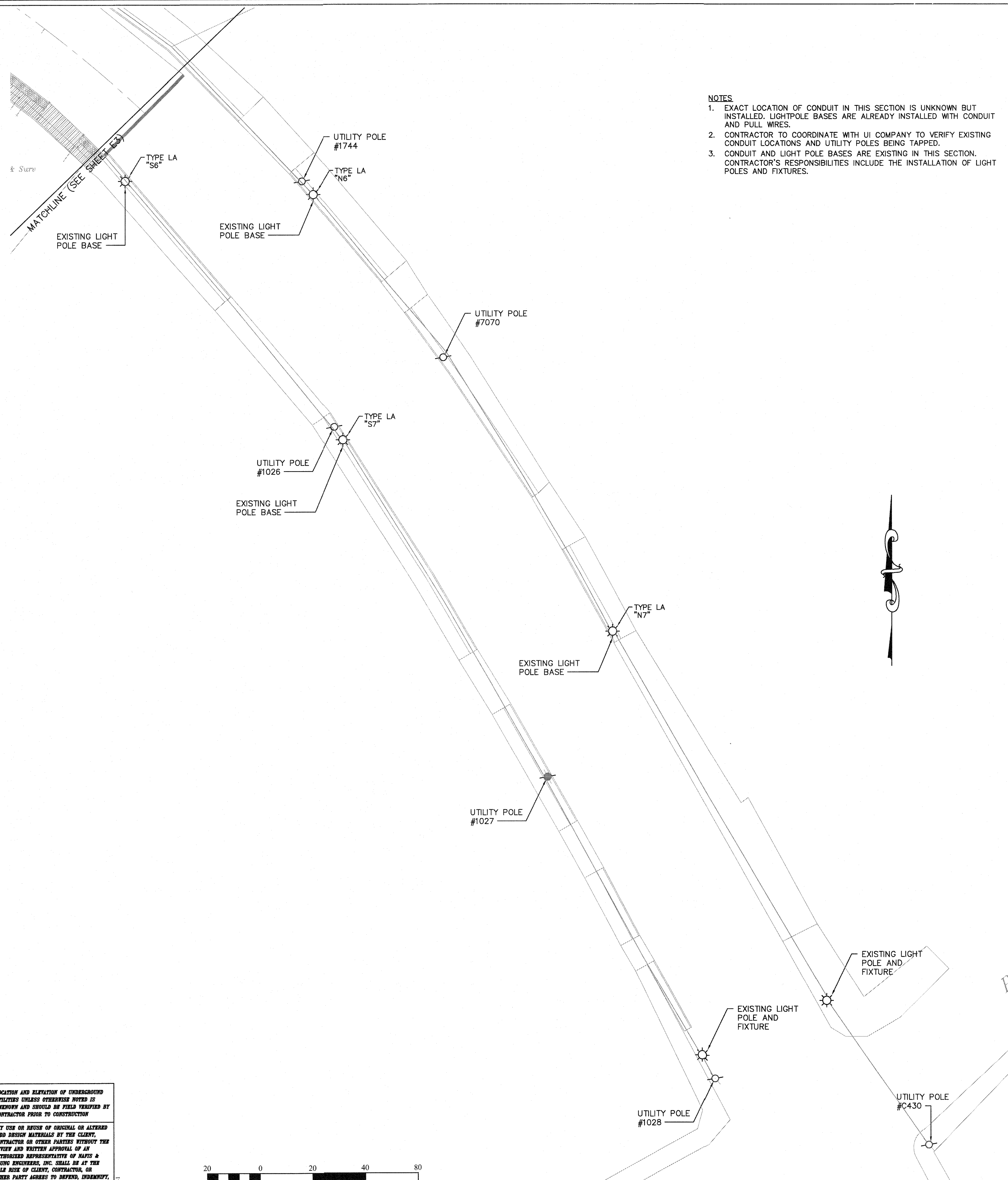
ROADWAY LIGHTING PLAN - KIMBERLY AVENUE AREA
MAIN STREET AREA
EAST HAVEN, CONNECTICUT

PREPARED FOR:
TOWN OF EAST HAVEN

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JOB NO. 14-066
SHEET NO. E3

NOVEMBER 11, 2020



- 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.

IMPORTANT! READ!
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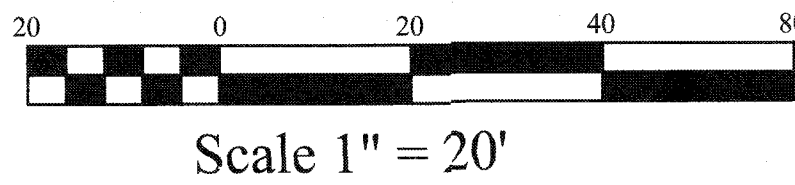
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UTILITIES

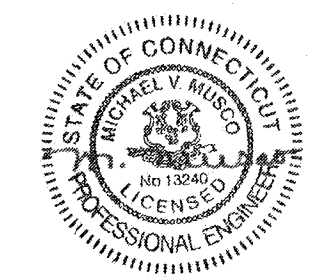
ELECTRIC UNITED ILLUMINATING 180 MARSH HILL ROAD ORANGE, CT 1-800-257-0141	WATER SOUTH. CT. REGIONAL WATER AUTHORITY 90 SARGENT DRIVE NEW HAVEN, CT 1-203-654-3119
CABLE TV COMCAST 904 CHAPEL STREET NEW HAVEN, CT 1-800-266-2278	GAS SERVICE THE SOUTHERN CONNECTICUT GAS CO. 60 MARSH HILL ROAD ORANGE, CT 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



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ROADWAY LIGHTING PLAN
PARDEE PLACE AREA

MAIN STREET AREA
EAST HAVEN, CONNECTICUT

PREPARED FOR:
TOWN OF EAST HAVEN

NOVEMBER 11, 2020

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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:

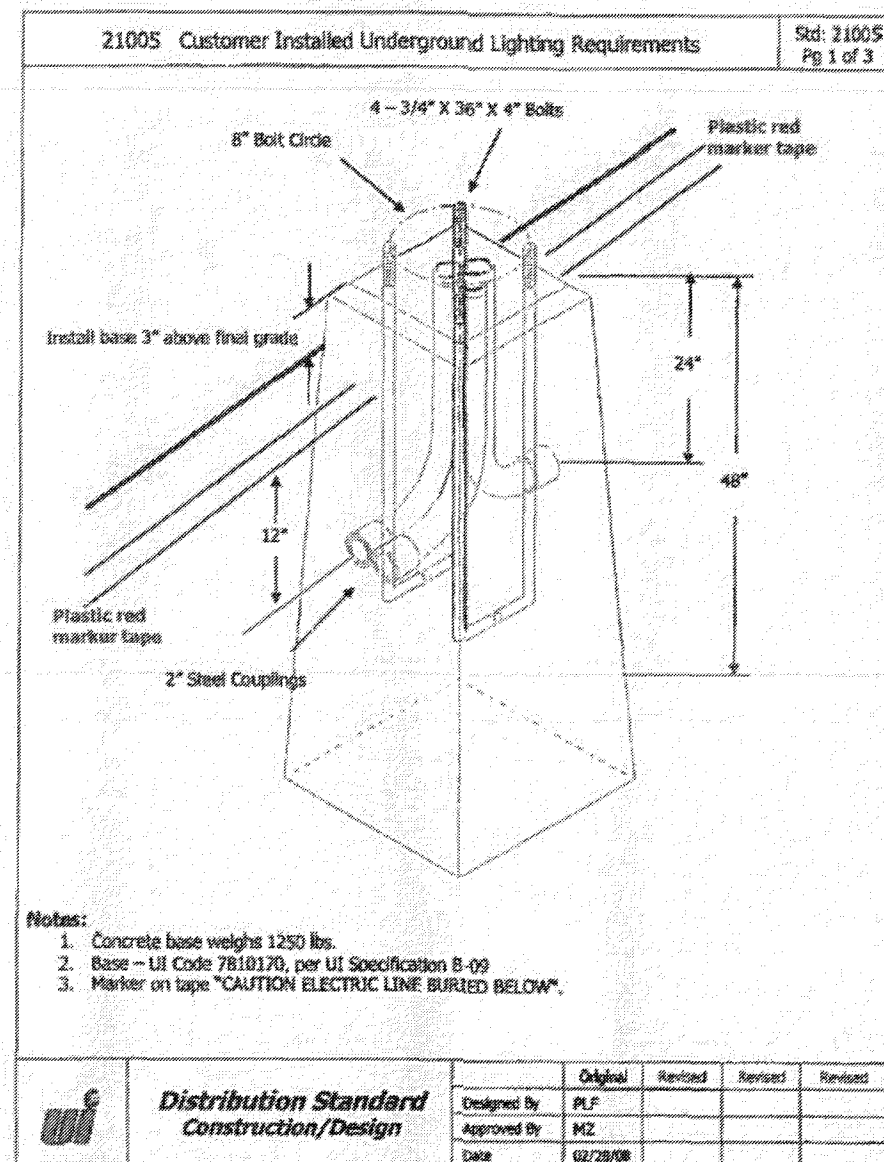
Dan Antonino antonino@ui.com (203) 936-4997 - office (203) 314-8178 - cell	Brian Boon boon@ui.com (203) 499-2657 - office (203) 536-7481 - cell	Bill Schubert schubert@ui.com (203) 499-3781 - office (203) 215-2986 - cell
East Haven Hamden New Haven North Haven North Branford	Eaton Fairfield Trumbull Bridgeport Shelton Stamford Derby Ansonia	Orange Middletown West Haven Woodbridge

Customer's Responsibilities

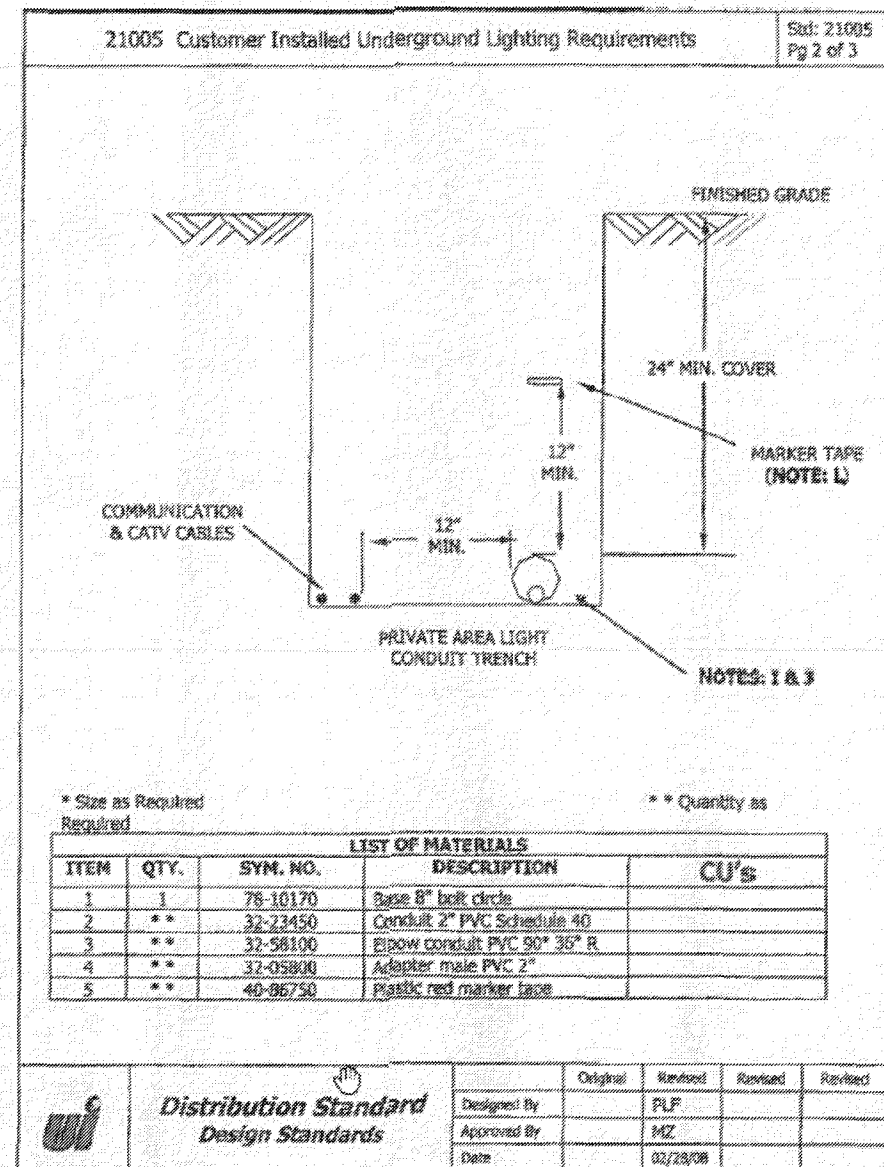
- Customer to provide UI with site drawing. UI Engineer will provide electrical trenching & wiring drawing.
- The customer is responsible for supplying all material to the conduit system. UI will provide concrete bases to the customer to install. UI will provide and install all wire and lights.
- Customer 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.

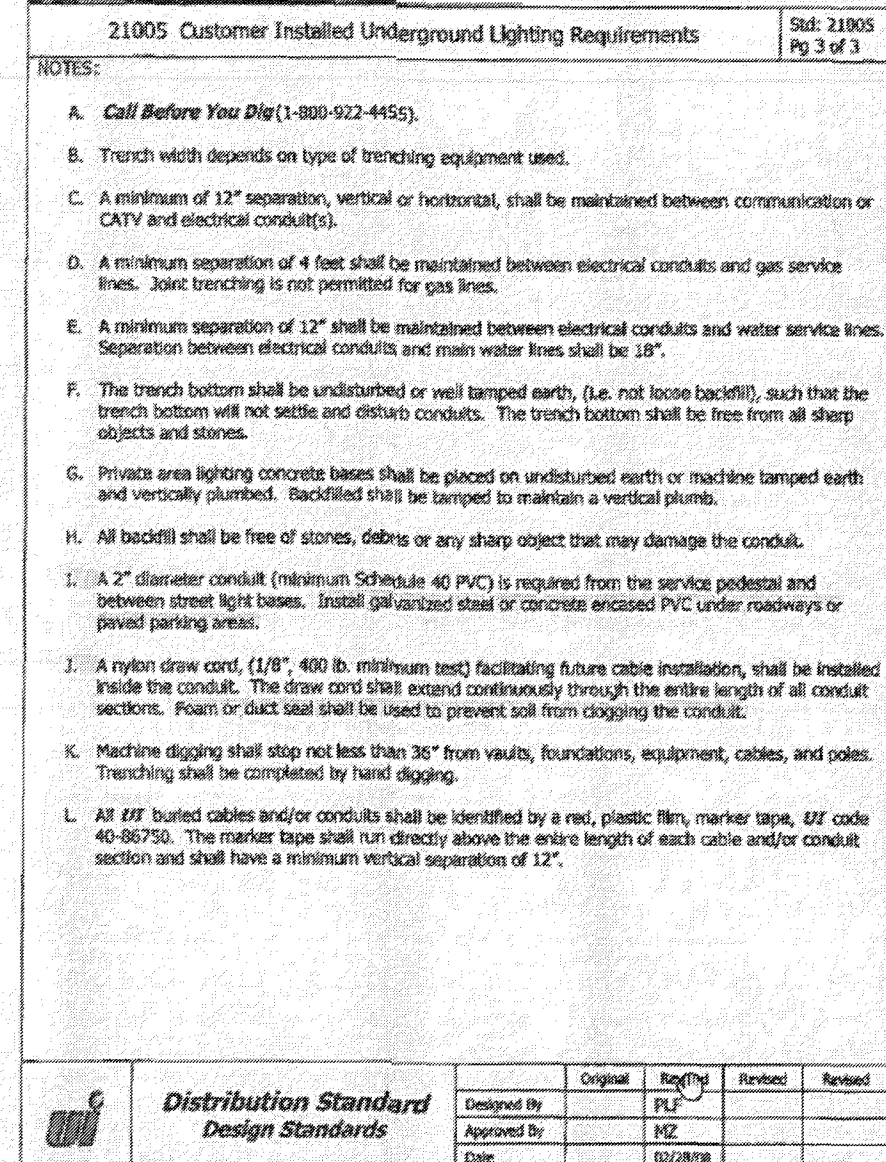
Should any problems be encountered during construction, please contact your Underground Construction Manager.
Revised June 6, 2020.sip



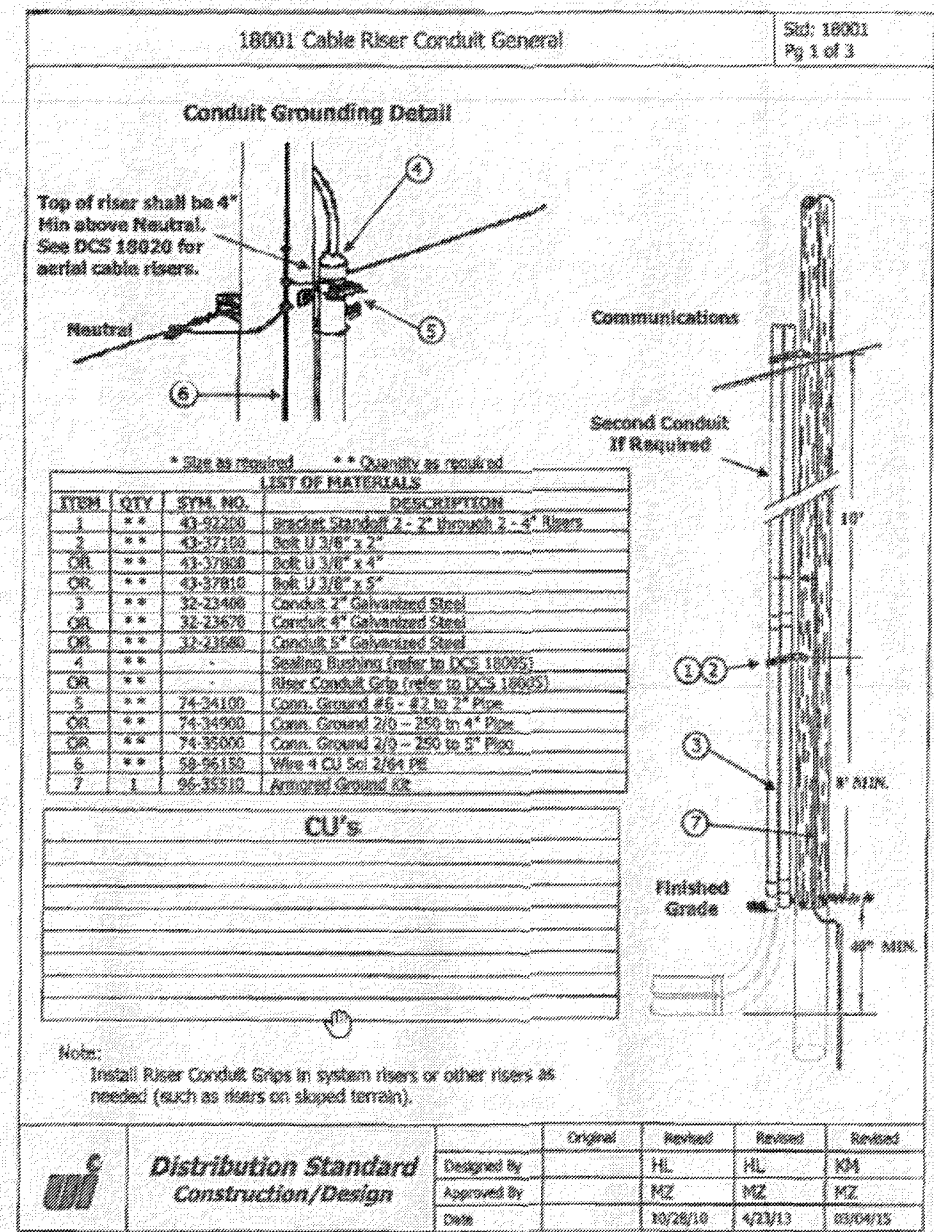
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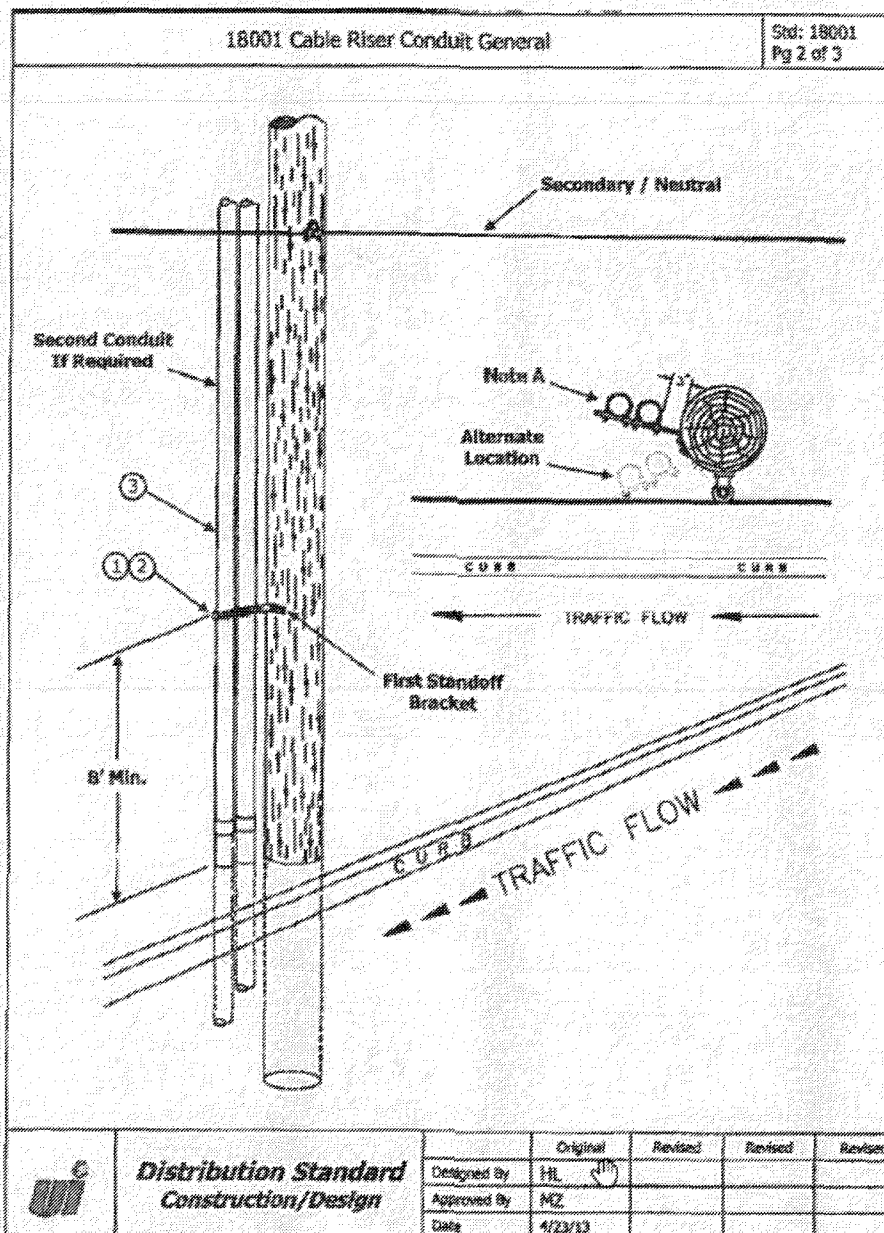
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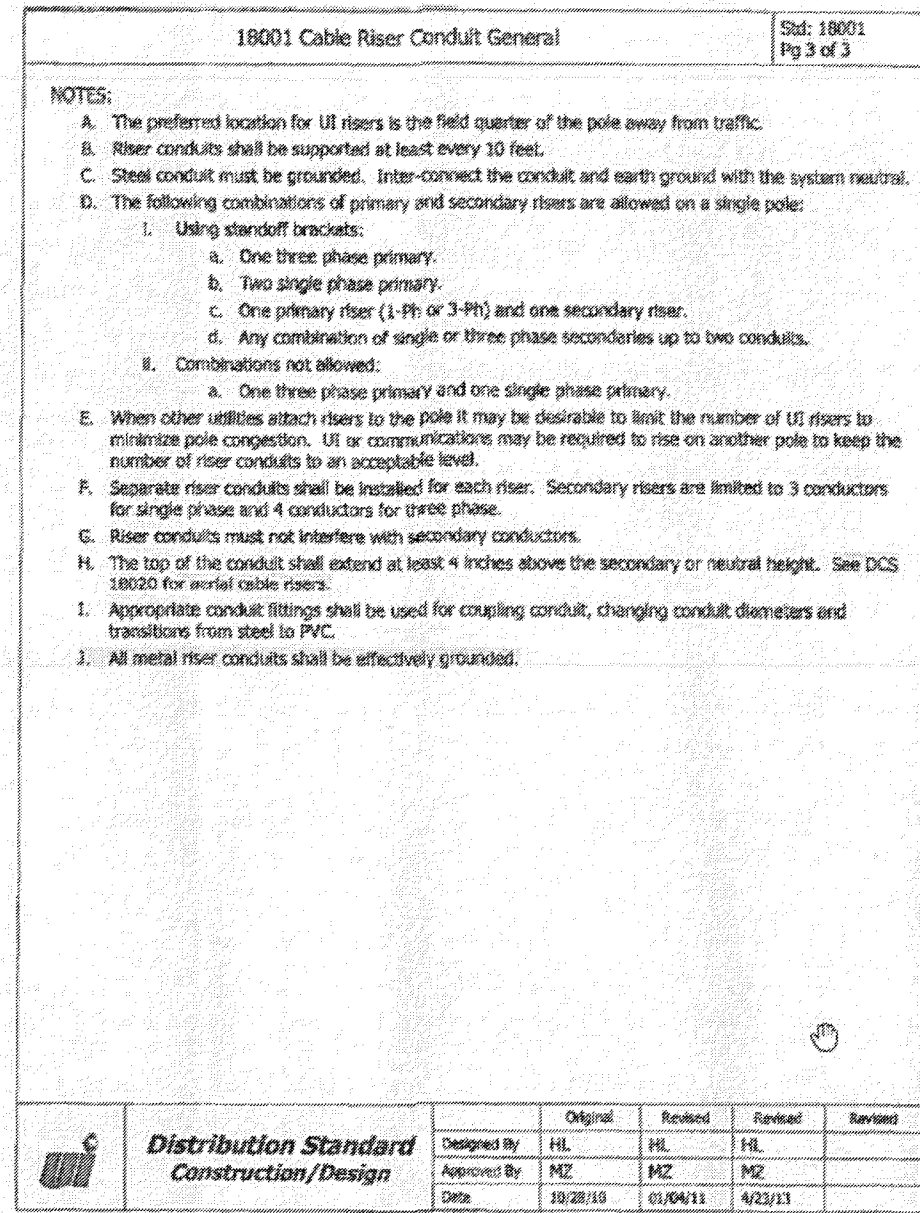
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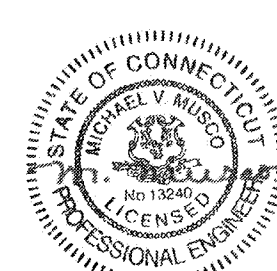


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LOCATION AND ELEVATION OF UNDERGROUND UTILITIES UNLESS OTHERWISE NOTED IS UNKNOWN AND SHOULD BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION

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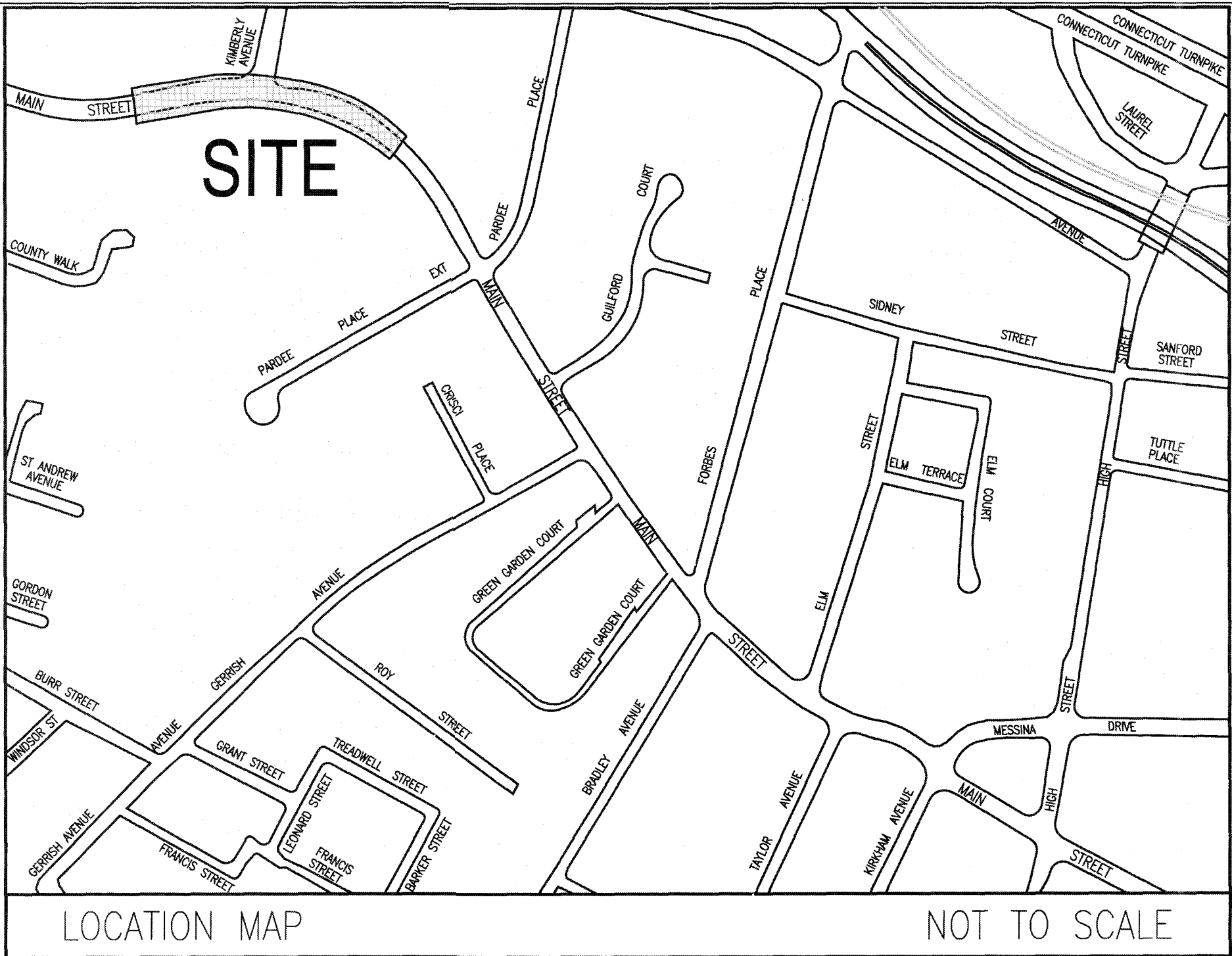
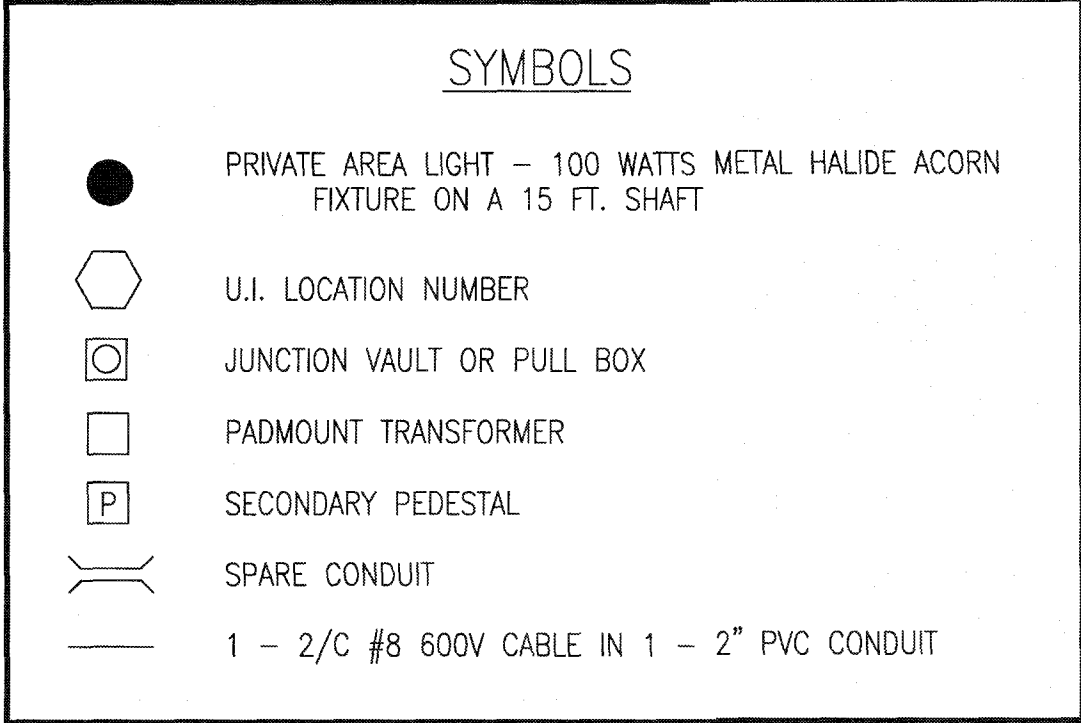


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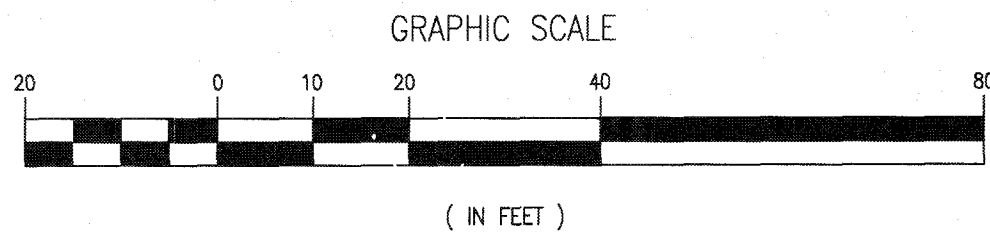
UTILITY COMPANY STANDARDS, DETAILS AND NOTES
MAIN STREET AREA
EAST HAVEN, CONNECTICUT
PREPARED FOR:
TOWN OF EAST HAVEN
NOVEMBER 11, 2020



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



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

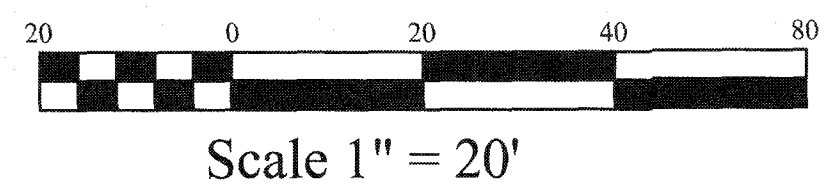
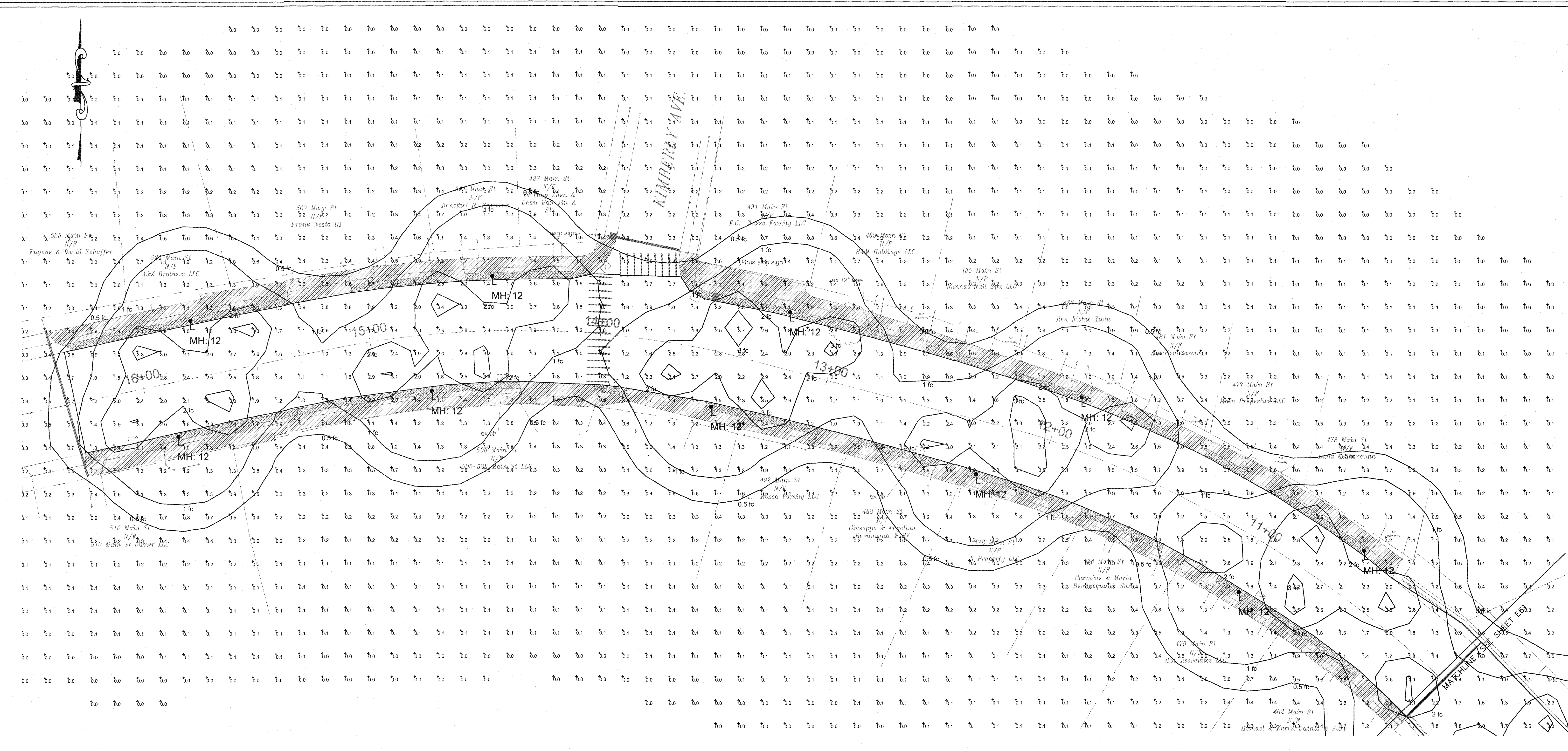
" CALL BEFORE YOU DIG "

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PRIVATE AREA LIGHTING FOR:
PARDEE PLACE TO GUILFORD COURT
MAIN STREET AREA
EAST HAVEN, CT

[illegible]



ROADWAY POINT TO POINT PLAN - KIMBERLY AVE. AREA

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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ROADWAY POINT TO POINT PLAN - KIMBERLY AVENUE AREA

MAIN STREET AREA
EAST HAVEN, CONNECTICUT

PREPARED FOR:
TOWN OF EAST HAVEN

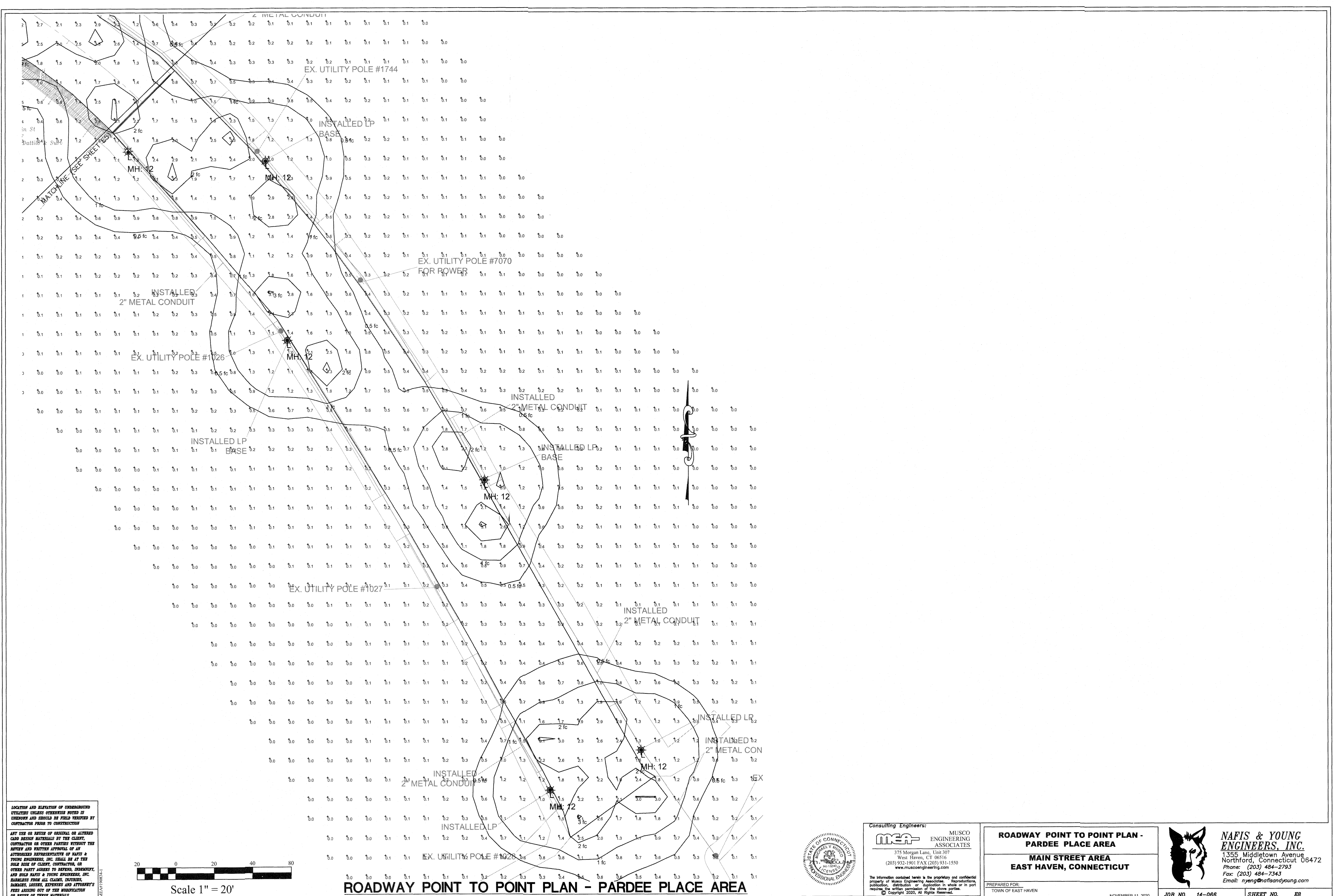
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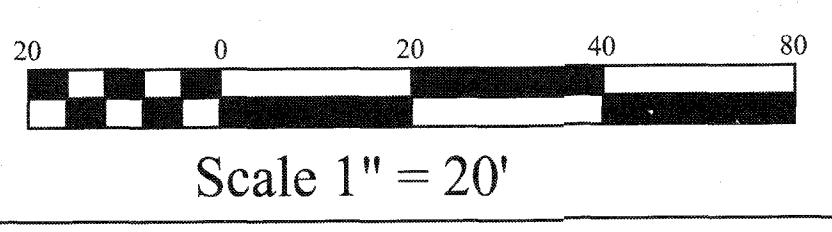
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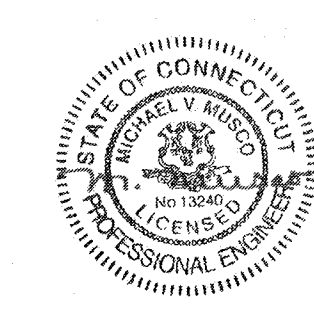


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ROADWAY POINT TO POINT PLAN - PARDEE PLACE AREA



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ROADWAY POINT TO POINT PLAN - PARDEE PLACE AREA

**MAIN STREET AREA
EAST HAVEN, CONNECTICUT**

PREPARED FOR:
TOWN OF EAST HAVEN

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