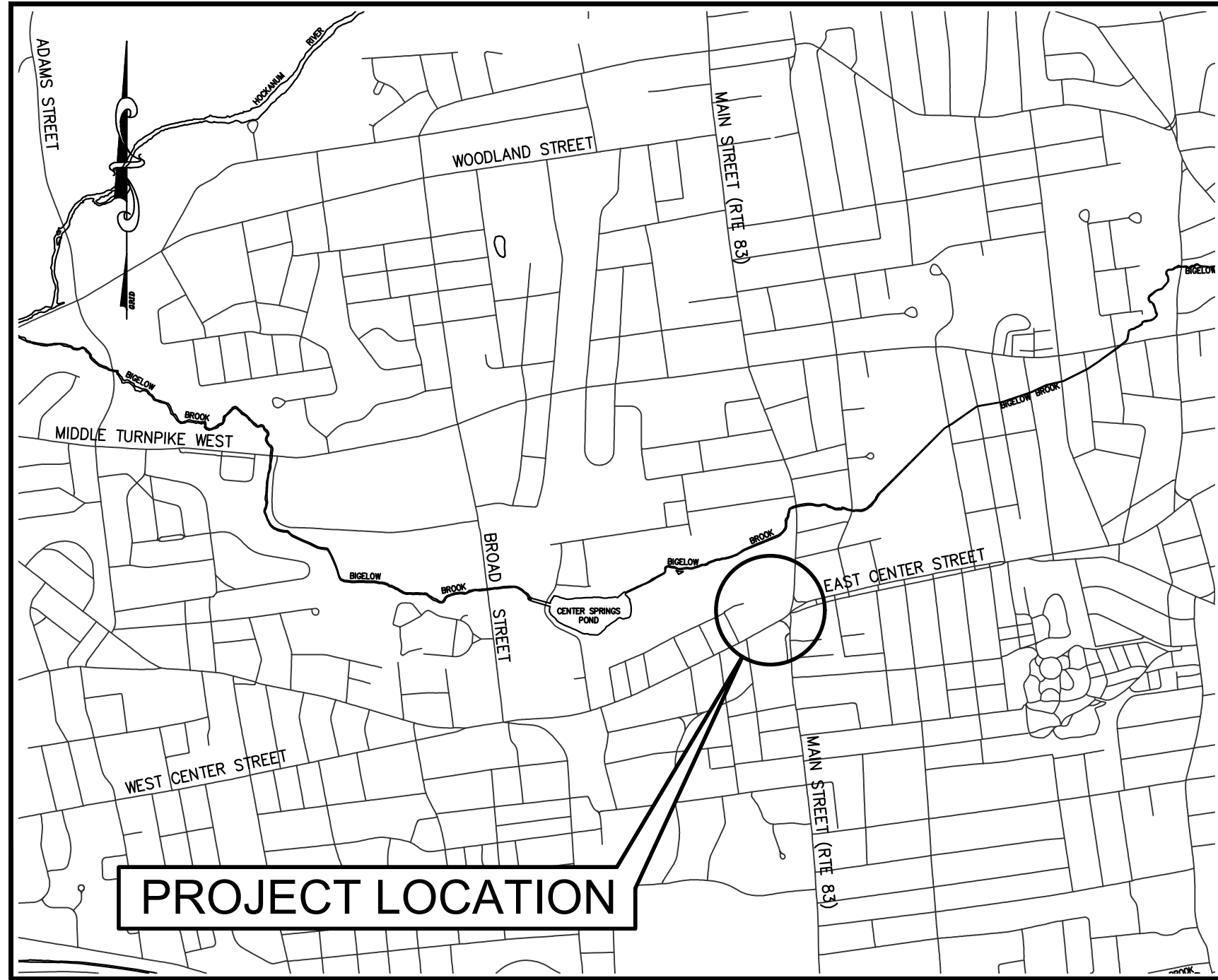


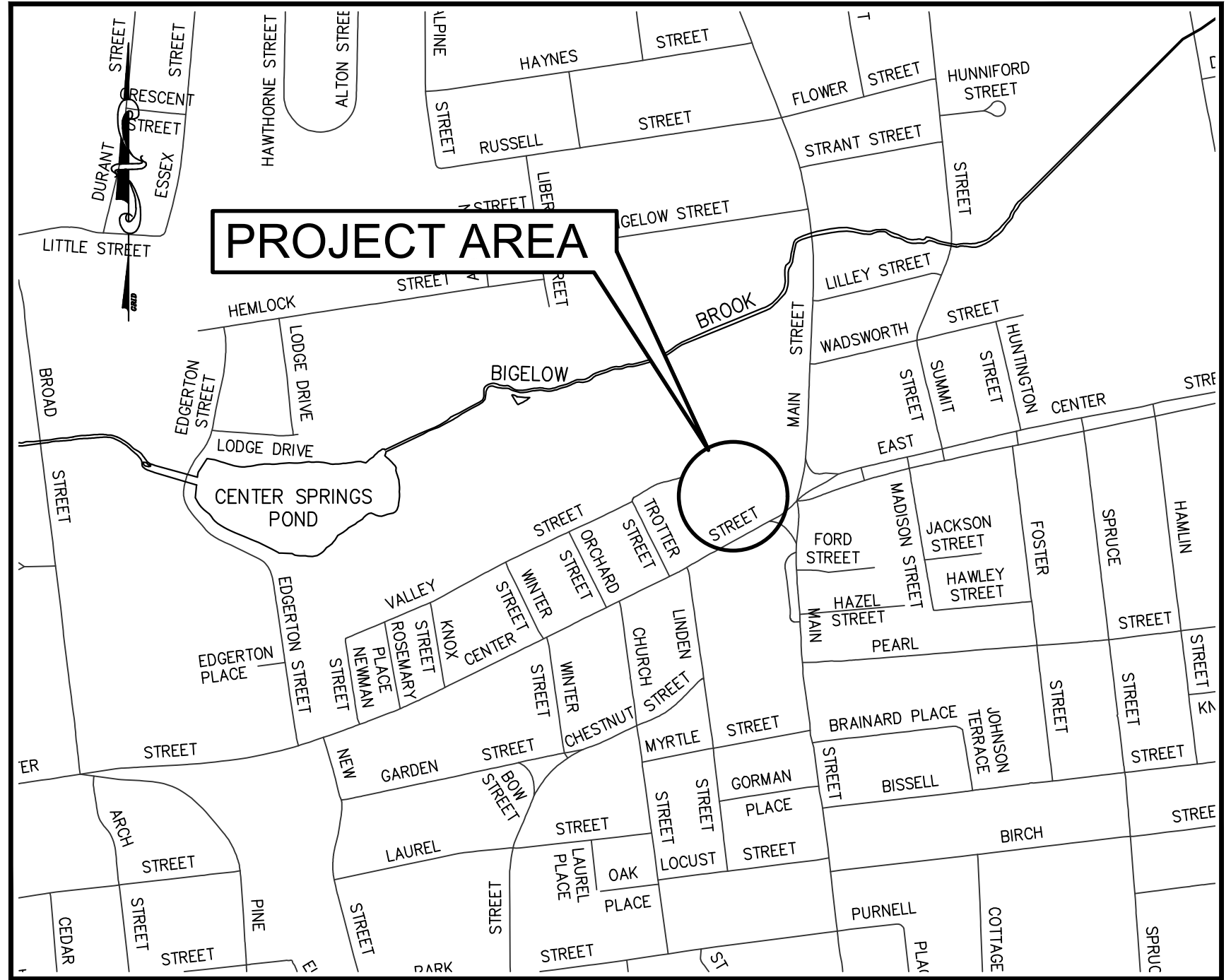
TOWN OF MANCHESTER

PUBLIC WORKS DEPARTMENT

ENGINEERING DIVISION



LOCATION MAP
1" = 1500'



SITE MAP
1" = 600'

TOWN HALL

PARKING LOT IMPROVEMENTS

JUNE 2023

DESIGN STANDARD : TOWN OF MANCHESTER PUBLIC IMPROVEMENT STANDARDS, EFFECTIVE DATE OCTOBER 31, 2020, AS AMENDED

DATUMS : HORIZONTAL DATUM: TOWN OF MANCHESTER CONTROL NETWORK (NAD83 AS ESTABLISHED IN 1998)
VERTICAL DATUM: TOWN OF MANCHESTER CONTROL NETWORK (NAVD88 USING GEOID 96)

STANDARD SPECIFICATIONS : SEE CONTRACT DOCUMENTS

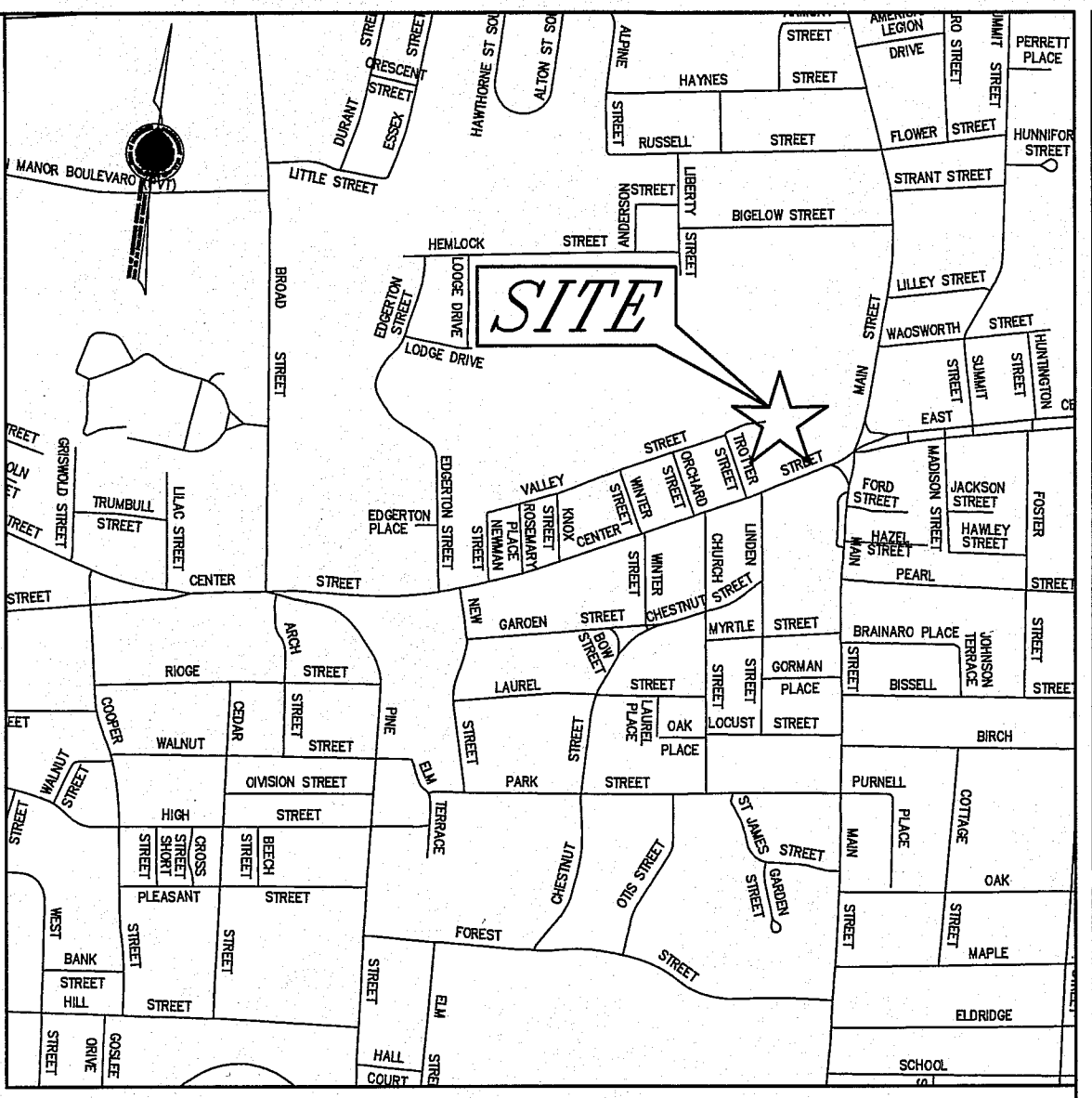
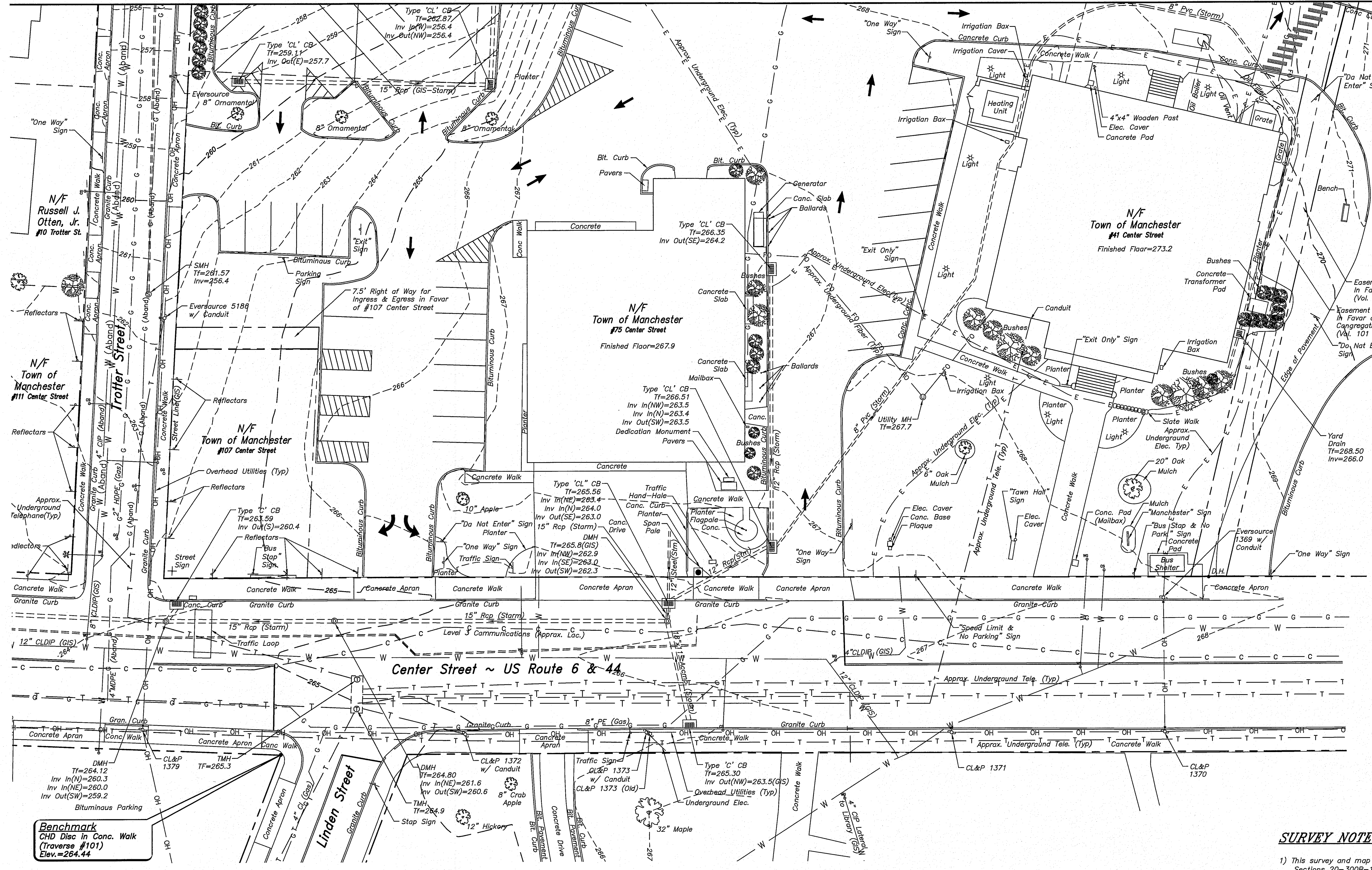
DESIGN SCALES : PLAN: 1" = 20'
OTHER SCALES AS NOTED

LIST OF DRAWINGS	
SHEET NO.	DESCRIPTION
1	COVER SHEET
2-3	EXISTING CONDITIONS PLAN
4	DEMOLITION PLAN
5	SITE PLAN
6	UTILITY PLAN
7	GRADING PLAN
8	PAVEMENT MARKINGS AND SIGNING PLAN
9	EROSION CONTROL AND LANDSCAPING PLAN
10-11	ELECTRICAL PLANS
12-13	RETAINING WALL PLANS
14	PHASING PLAN
15-20	DETAILS
CONNECTICUT DEPARTMENT OF TRANSPORTATION DETAILS	
	CONCRETE SIDEWALK RAMPS - SHEET 1
	CONCRETE SIDEWALK RAMPS - SHEET 4
	CONCRETE SIDEWALK RAMPS - SHEET 8
813-02	STONE CURBING
922-01	BITUMINOUS CONCRETE SIDEWALK AND BITUMINOUS CONCRETE DRIVEWAY
924-01	CONCRETE DRIVEWAY RAMPS
TR-1210-04	PAVEMENT MARKINGS, LINES AND SYMBOLS
TR-1210-08	PAVEMENT MARKING ON NON-FREEWAYS
TR-65-01	SIGN FACE SHEET ALUMINUM R SERIES TYPICAL SIGN DETAILS
TR-65-02	SIGN FACE SHEET ALUMINUM S&W SERIES TYPICAL SIGN DETAILS

DESIGNED BY:
TOWN OF MANCHESTER
ENGINEERING DIVISION

JEFF LAMALVA
TOWN ENGINEER
P.E. NO. 20967

MATCH LINE ~ SEE SHEET 3



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

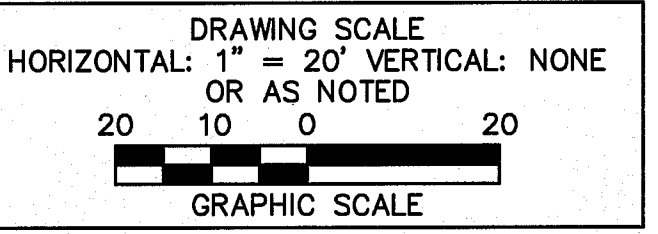
---	METLANDS BOUNDARY	☆	LIGHT POLE
---	RETAINING WALL	⊗	CONTOUR TREE
---	QUICK DRAIN	⊙	DECIDUOUS TREE
---	STONE WALL	⊕	SANITARY MANHOLE
---	STOCKADE FENCE	⊖	SEWER MANHOLE
---	WIRE FENCE	⊗	CATCH BASIN
---	CHAIN LINK FENCE	⊕	VALVE
---	PROPERTY LINE	⊖	POHANT
---	RAILROAD TRACKS	⊗	DRIVE STOP
---	BIOSON CONTROL	⊕	WATER VALVE
---	CONCRETE MONUMENT	⊖	TEMPORARY VALVE
---	GRANITE MONUMENT	⊗	BATTERY VALVE
---	IRON PIPE	⊕	BLOW OFF
---	IRON ROD	⊖	SHIM
---	CONTROL POINT	⊗	DOUBLE POST SIGN
---	DRILL HOLE	⊕	MAIL BOX
---	UTILITY POLE WITH LIGHT	⊖	WELLHEAD
---	TRAFFIC SPAN POLE	⊗	CONTROLLER CABINET
---	ELECTRIC BOX	⊕	GAS GATE
---	TELEPHONE BOX	⊖	TELEPHONE BOX
---	METLAND PLAD	⊗	CATY TUBE

PROJECT NUMBER
2017062

FILENAME
2017062BASE.DWG

NO.	DATE	FILE
-	06/12/23	BID DOCUMENTS

DRAWN BY: MAW
CHECKED BY: DTS
RELEASED BY: DTS



DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**41-75 CENTER STREET
MANCHESTER, CT**

PROJECT TITLE
**TOWN HALL
PARKING LOT
IMPROVEMENTS**

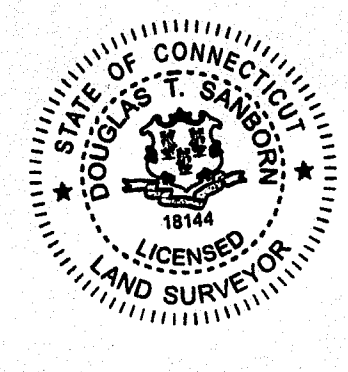
SHEET TITLE
**GENERAL LOCATION SURVEY
EXISTING CONDITIONS PLAN**

SHEET NUMBER
2 of 20

SURVEY NOTES:

- 1) This survey and map have been prepared in accordance with the Regulations of Connecticut State Agencies, Sections 20-300B-1 through 20-300B-20, and the "Minimum Standards of Accuracy, Content & Certification for Surveys and Maps," as revised October 26, 2018. It is a General Location Survey with physical feature location in the areas of construction conforming to a Class "C" standard of accuracy.
- 2) This map was prepared from record research, other maps, limited field measurements, and other sources. Property lines and Street lines depicted hereon are not to be construed as a Boundary or Limited Boundary Survey, and are subject to such facts as said surveys may show. Property line and Street line information depicted hereon was taken from existing Town of Manchester mapping as referenced hereon. It is approximate and for general orientation purposes only. It does not represent a property/boundary opinion.
- 3) Planimetric, Topographic, and Utility Elevations (Visible Surface Structures) depicted within the project area are based on field survey conducted prior to the project and conform to a Class T-2 standard of accuracy. Features shown outside of the project area were obtained from Townwide Aerial Mapping dated April 1999, with limited field checks.
- 4) Horizontal control based on Town of Manchester control network (NAD 1983). Vertical Datum is based on Town of Manchester control (NAVD 1988). (Established in 1998), using Geode 96.
- 5) Underground utility information is based on the best available information as provided by the respective utility. Prior to any construction activity, contact Call Before You Dig at 1-800-922-4455. Test Pits may be required by respective utilities.
- 6) It is the intent of this plan to depict existing topographic and planimetric data within the area shown for infrastructure improvements.

To my knowledge and belief this map is substantially correct as noted hereon.



Douglas T. Samblon
DOUGLAS T. SAMBLON, P.E. 18144
DATE: 06-09-2023

CERTIFICATION INVALID WITHOUT LIVE SIGNATURE AND RAISED SEAL

MAP REFERENCES:

- 1) "Connecticut State Highway Department Right of Way Map Town of Manchester Hartford-Manchester Road From Adams Street Easterly to Main Street Route U.S. 6, Sheet 4 of 4, Dated: November 30, 1942, Scale: 1"=40', By: The Connecticut State Highway Department" (T.O.M. Engineering Map 76/10)
- 2) "Existing Conditions Plan Municipal Building 41 Center Street Manchester, Conn. Dated: Dec. 1995, Scale: 1"=20', By: Town of Manchester Dept. of Public Works Eng. Div.-Survey Unit" (T.O.M. Engineering Map 49/13)
- 3) "Map Showing 10' Conn. Natural Gas Corp. Easement Obtained From Town of Manchester From Valley St. to Main St. Manchester, Conn., Scale: 1"=40', Dated: Jan. 1983, By: Saul M. Sargis Jr. & Associates" (T.O.M. Engineering Map 59/11)
- 4) "Plan of Trotter Street Manchester, Conn., Scale: 1"=40', Dated: Nov. 1919, By: J. Frank Bowen" (T.O.M. Engineering Map A/14)
- 5) "Plan of Town Hall Property Manchester, Connecticut, Dated: November 26, 1909, Scale: 1"=20'" (T.O.M. Engineering Map C/26)
- 6) "Plan Showing Town Hall Lot & Property In Vicinity, Manchester, Conn., Scale: 1"=50', Dated: Feb. 1928, By: J. Frank Bowen" (T.O.M. Engineering Map A/41)
- 7) "Land Agreement Between Town of Manchester and Center Congregational Church, Inc. of Manchester, Scale: 1"=20', Dated: March 1975, Revised Through: 5/21/75, By: Town of Manchester Department of Public Works Engineering Division" (T.O.M. Engineering Map 62/25)

R:\ProjectPublic Works\2017062 - Center Spinning Park Access from Center St\Map\2017062BASE.dwg, 6/9/2023 10:02:32 AM, immodw@townofmanchester.com



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

--- METEORIC BOUNDARY	☆ LIGHT POLE
--- RETAINING WALL	★ CONIFEROUS TREE
--- GLIDE RAIL	⊗ DECIDUOUS TREE
--- STONE WALL	⊙ SURVEY MARKER
--- STOCKADE FENCE	⊙ BRUSHY MARKER
--- WIRE FENCE	⊙ CATY BUSH
--- CHAIN LINK FENCE	⊙ CEMENT BID
--- PROPERTY LINE	⊙ FORDAM
--- RAILROAD TRACKS	⊙ GRASS STOP
--- EROSION CONTROL	⊙ WATER VALVE
□ CONCRETE MONUMENT	⊙ BUTTERFLY VALVE
⊙ GRANITE MONUMENT	⊙ BLOW OFF
⊙ IRON PIPE	⊙ SIGN
⊙ IRON ROD	⊙ DOUBLE POST SIGN
⊙ CONTROL POINT	⊙ MAIL BOX
⊙ DRILL HOLE	⊙ ROLLAWAY
⊙ UTILITY POLE	⊙ UTILITY POLE WITH LIGHT
⊙ TRAFFIC SPAN POLE	⊙ ELECTRIC BOX
⊙ TELEPHONE BOX	⊙ TELEPHONE BOX
⊙ WETLAND FLAG	⊙ CATY TUBE

PROJECT NUMBER
2017062

FILENAME
2017062BASE.DWG

NO.	DATE	FILE
-	06/12/23	BID DOCUMENTS

DRAWN BY: MAW
CHECKED BY: DTS
RELEASED BY: DTS

DRAWING SCALE
HORIZONTAL: 1" = 20' VERTICAL: NONE
OR AS NOTED
20 10 0 20
GRAPHIC SCALE

DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**41-75 CENTER STREET
MANCHESTER, CT**

PROJECT TITLE
**TOWN HALL
PARKING LOT
IMPROVEMENTS**

SHEET TITLE
**GENERAL LOCATION SURVEY
EXISTING CONDITIONS PLAN**

SHEET NUMBER
3 of 20



R:\ProjectPublic Works\2017062 - Center Springs Park Access from Center St\Proj\Survey\2017062BASE.dwg, 6/20/23 10:11:18 AM, mwoodwell



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

--- WETLAND BOUNDARY	☆ LIGHT POLE
--- RETAINING WALL	⊗ CONIFEROUS TREE
--- CURB WALL	⊗ DEODOROUS TREE
--- STONE WALL	⊗ SANITARY MANHOLE
--- STOCKADE FENCE	⊗ DRAINAGE MANHOLE
--- WIRE FENCE	⊗ CATCH BASIN
--- CHAIN LINK FENCE	⊗ CULVERT END
--- PROPERTY LINE	⊗ HYDRANT
--- RAILROAD TRACKS	⊗ CURB STOP
--- SILT FENCE	⊗ WATER VALVE
⊗ CONCRETE MONUMENT	⊗ BUTTERFLY VALVE
⊗ GRANITE MONUMENT	⊗ BLOW OFF
⊗ IRON PIPE	⊗ SIGN
⊗ IRON ROD	⊗ DOUBLE POST SIGN
⊗ CONTROL POINT	⊗ MAIL BOX
⊗ DRILL HOLE	⊗ BOLLARD
⊗ UTILITY POLE	⊗ CONTROLLER CABINET
⊗ UTILITY POLE WITH LIGHT	⊗ GAS GATE
⊗ ELECTRIC BOX	⊗ TELEPHONE BOX
⊗ WETLAND FLAG	⊗ CATV TUBE

PROJECT NUMBER
2017062

FILENAME
2017062-PLAN.DWG

NO.	DATE	FILE
-	06/16/23	BID DOCUMENTS

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CHECKED BY:
RELEASED BY: TB

DRAWING SCALE
HORIZONTAL: 1" = 20' VERTICAL: ---
OR AS NOTED
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GRAPHIC SCALE

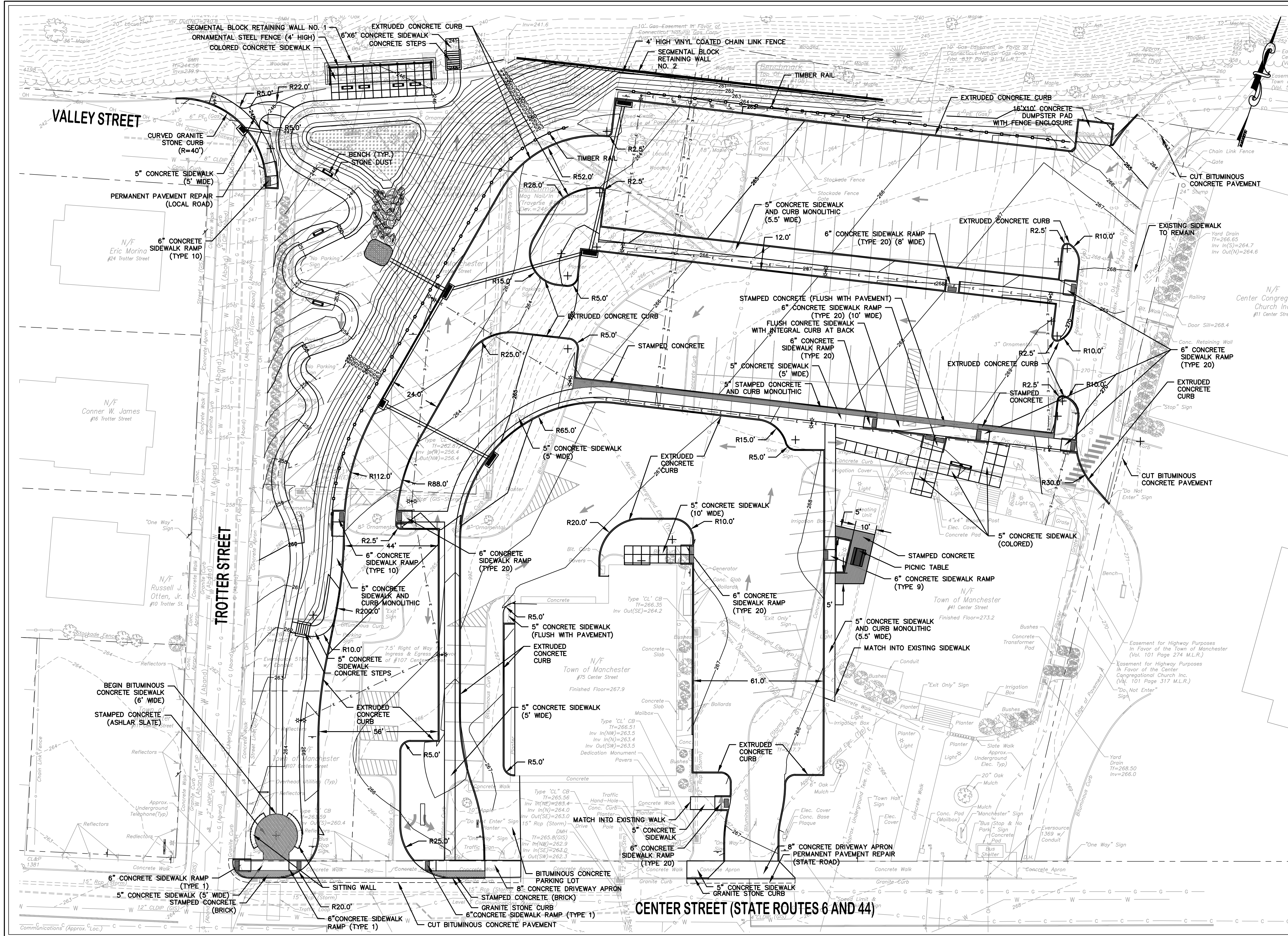
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**41-75 CENTER STREET
MANCHESTER, CT**

PROJECT TITLE
**TOWN HALL
PARKING LOT
IMPROVEMENTS**

SHEET TITLE
SITE PLAN

SHEET NUMBER
5 of 20



CENTER STREET (STATE ROUTES 6 AND 44)



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

--- METLAND BOUNDARY	☆ LIGHT POLE
--- RETAINING WALL	⊗ CONIFEROUS TREE
--- STONE WALL	⊗ DEODOROUS TREE
--- STOCKADE FENCE	⊗ SANITARY MANHOLE
--- WIRE FENCE	⊗ DRAINAGE MANHOLE
--- CHAIN LINK FENCE	⊗ CATCH BASIN
--- PROPERTY LINE	⊗ CULVERT END
--- RAILROAD TRACKS	⊗ HYDRANT
--- SILT FENCE	⊗ CURB STOP
⊗ CONCRETE MONUMENT	⊗ WATER VALVE
⊗ GRANITE MONUMENT	⊗ BLOW OFF
⊗ IRON PIPE	⊗ SIGN
⊗ IRON ROD	⊗ DOUBLE POST SIGN
⊗ CONTROL POINT	⊗ MAIL BOX
⊗ DRILL HOLE	⊗ BOLLARD
⊗ UTILITY POLE	⊗ CONTROLLER CABINET
⊗ UTILITY POLE WITH LIGHT	⊗ GAS GATE
⊗ TRAFFIC SPAN POLE	⊗ TELEPHONE BOX
⊗ ELECTRIC BOX	⊗ CATV TUBE
⊗ METLAND FLAG	

PROJECT NUMBER
2017062

FILENAME
2017062-PLAN.DWG

NO.	DATE	FILE
-	06/16/23	BID DOCUMENTS

DRAWN BY: JL
CHECKED BY:
RELEASED BY: TB

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HORIZONTAL: 1" = 20' VERTICAL: ---
OR AS NOTED
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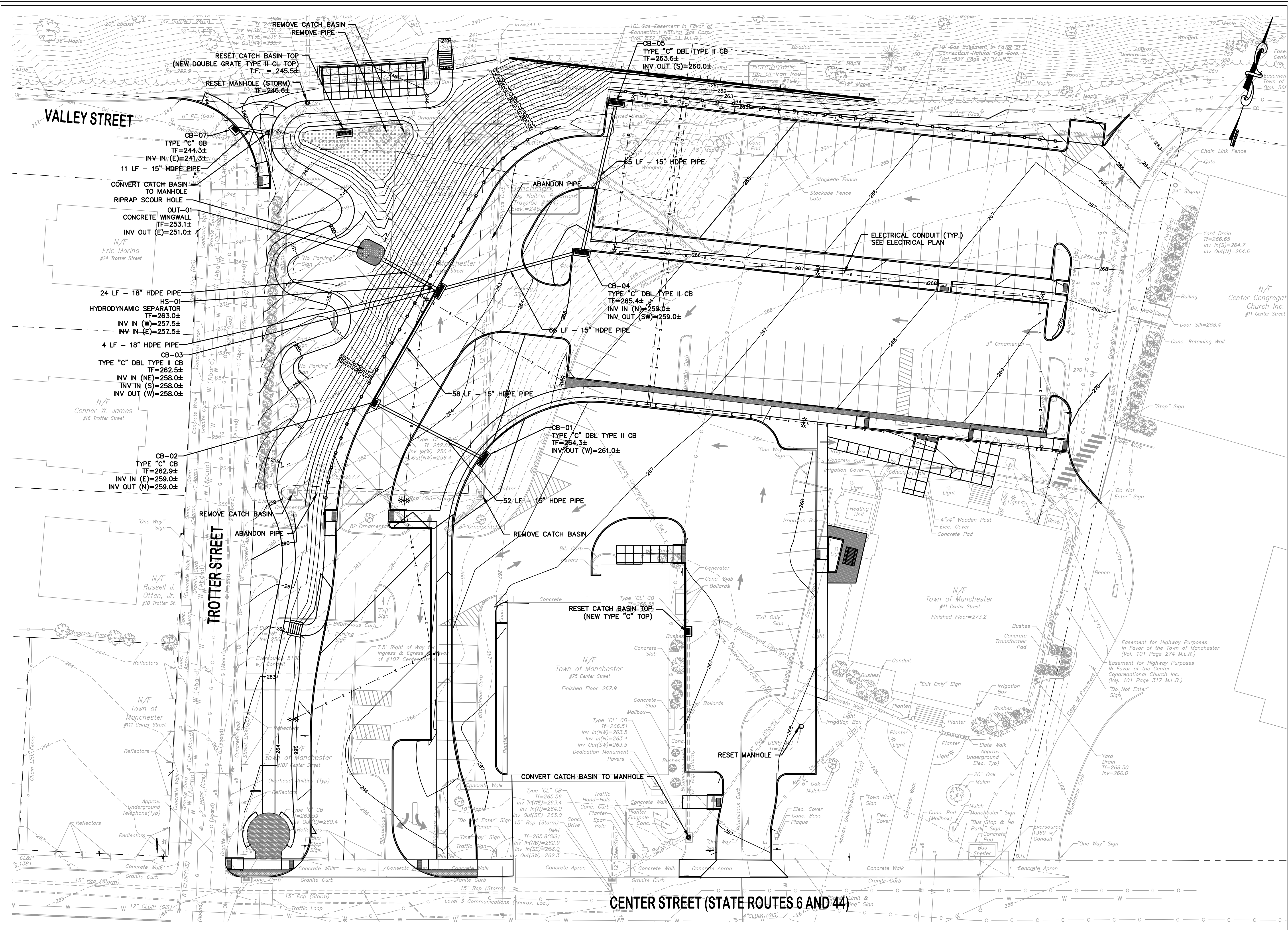
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PROJECT LOCATION
**41-75 CENTER STREET
MANCHESTER, CT**

PROJECT TITLE
**TOWN HALL
PARKING LOT
IMPROVEMENTS**

SHEET TITLE
UTILITY PLAN

SHEET NUMBER
6 of 20



CENTER STREET (STATE ROUTES 6 AND 44)



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

--- METLAND BOUNDARY	☆ LIGHT POLE
--- RETAINING WALL	⊗ CONIFEROUS TREE
--- CURB WALL	⊗ DEODOROUS TREE
--- STONE WALL	⊗ SANITARY MANHOLE
--- STOCKADE FENCE	⊗ DRAINAGE MANHOLE
--- WIRE FENCE	⊗ CATCH BASIN
--- CHAIN LINK FENCE	⊗ CULVERT END
--- PROPERTY LINE	⊗ HYDRANT
--- RAILROAD TRACKS	⊗ CURB STOP
--- SILT FENCE	⊗ WATER VALVE
⊠ CONCRETE MONUMENT	⊗ BUTTERFLY VALVE
⊠ GRANITE MONUMENT	⊗ BLOW OFF
○ IRON PIPE	⊗ SIGN
○ IRON ROD	⊗ DOUBLE POST SIGN
△ CONTROL POINT	⊗ MAIL BOX
○ DRILL HOLE	⊗ BOLLARD
○ UTILITY POLE	⊗ CONTROLLER CABINET
○ UTILITY POLE WITH LIGHT	⊗ GAS GATE
⊠ TRAFFIC SPAN POLE	⊗ TELEPHONE BOX
⊠ ELECTRIC BOX	⊗ CATV TUBE

PROJECT NUMBER
2017062

FILENAME
2017062-PLAN.DWG

NO.	DATE	FILE
---	06/16/23	BID DOCUMENTS

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CHECKED BY:
RELEASED BY: TB

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HORIZONTAL: 1" = 20' VERTICAL: ---
OR AS NOTED
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GRAPHIC SCALE

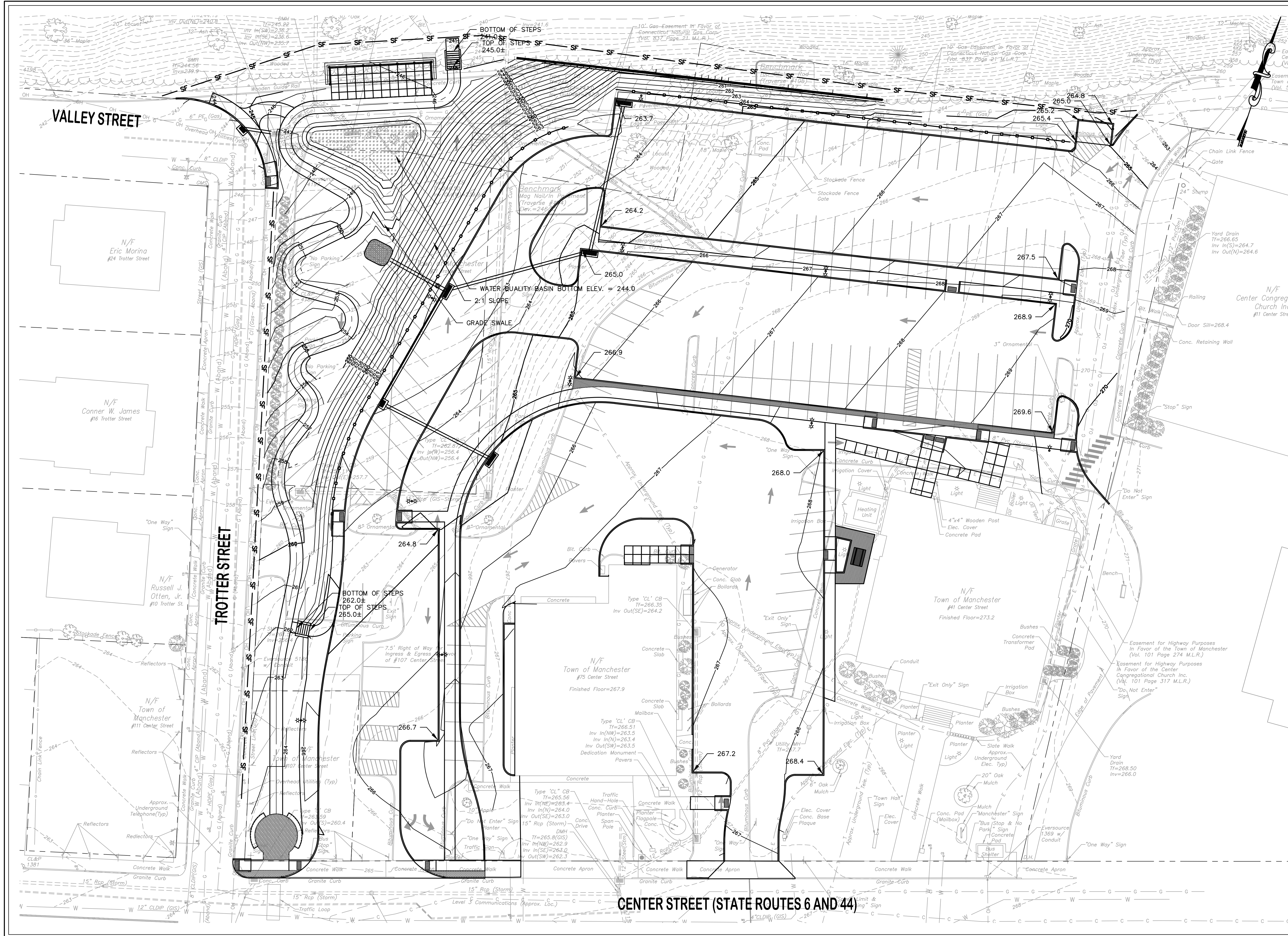
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HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**41-75 CENTER STREET
MANCHESTER, CT**

PROJECT TITLE
**TOWN HALL
PARKING LOT
IMPROVEMENTS**

SHEET TITLE
GRADING PLAN

SHEET NUMBER
7 of 20



CENTER STREET (STATE ROUTES 6 AND 44)



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

--- METLANDS BOUNDARY	○ LIGHT POLE
--- RETAINING WALL	● CONIFEROUS TREE
--- CURB WALL	○ DEODOROUS TREE
--- STONE WALL	○ SANITARY MANHOLE
--- STOCKADE FENCE	○ DRAINAGE MANHOLE
--- WIRE FENCE	○ CATCH BASIN
--- CHAIN LINK FENCE	○ CULVERT END
--- PROPERTY LINE	○ HYDRANT
--- RAILROAD TRACKS	○ CURB STOP
--- SILT FENCE	○ WATER VALVE
■ CONCRETE MONUMENT	○ BUTTERFLY VALVE
■ GRANITE MONUMENT	○ BLOW OFF
○ IRON PIPE	○ SIGN
○ IRON ROD	○ DOUBLE POST SIGN
△ CONTROL POINT	○ MAIL BOX
○ DRILL HOLE	○ BOLLARD
○ UTILITY POLE	○ GAS GATE
○ UTILITY POLE WITH LIGHT	○ CONTROLLER CABINET
○ TRAFFIC SPAN POLE	○ TELEPHONE BOX
○ ELECTRIC BOX	○ CATV TUBE
△ METLAND FLAG	

PROJECT NUMBER
2017062

FILENAME
2017062-PLAN.DWG

NO.	DATE	FILE
—	06/16/23	BID DOCUMENTS

DRAWN BY: JL
CHECKED BY:
RELEASED BY: TB

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OR AS NOTED
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GRAPHIC SCALE

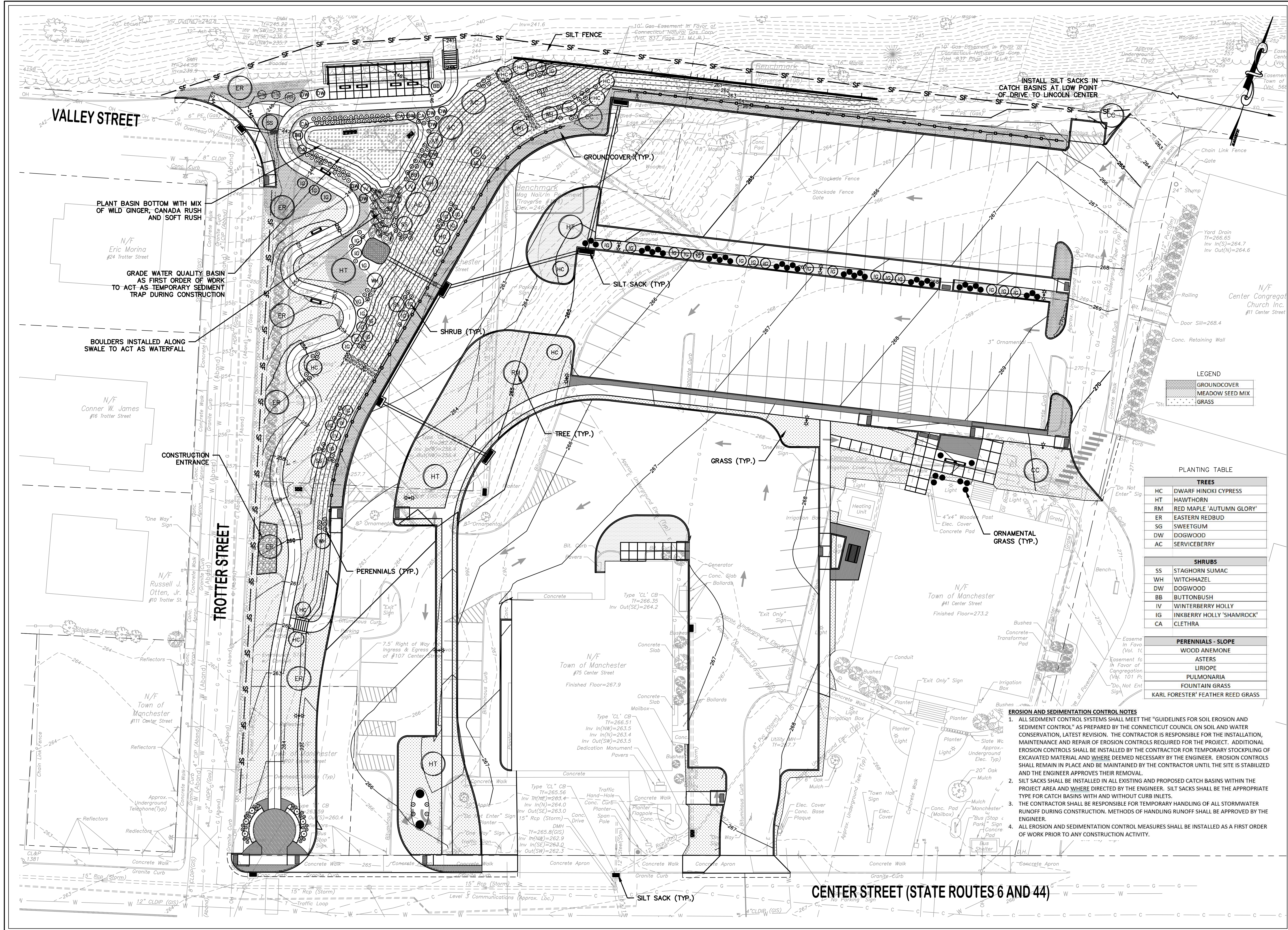
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PROJECT LOCATION
**41-75 CENTER STREET
MANCHESTER, CT**

PROJECT TITLE
**TOWN HALL
PARKING LOT
IMPROVEMENTS**

SHEET TITLE
**EROSION CONTROL
& LANDSCAPING PLAN**

SHEET NUMBER
9 of 20



PLANTING TABLE

TREES	
HC	DWARF HINOKI CYPRESS
HT	HAWTHORN
RM	RED MAPLE 'AUTUMN GLORY'
ER	EASTERN REDBUD
SG	SWEETGUM
DW	DOGWOOD
AC	SERVICEBERRY

SHRUBS	
SS	STAGHORN SUMAC
WH	WITCHHAZEL
DW	DOGWOOD
BB	BUTTONBUSH
IV	WINTERBERRY HOLLY
JG	INKBERRY HOLLY 'SHAMROCK'
CA	CLETHRA

PERENNIALS - SLOPE	
	WOOD ANEMONE
	ASTERS
	LIRIOPE
	PULMONARIA
	FOUNTAIN GRASS
	KARL FORESTER' FEATHER REED GRASS

EROSION AND SEDIMENTATION CONTROL NOTES

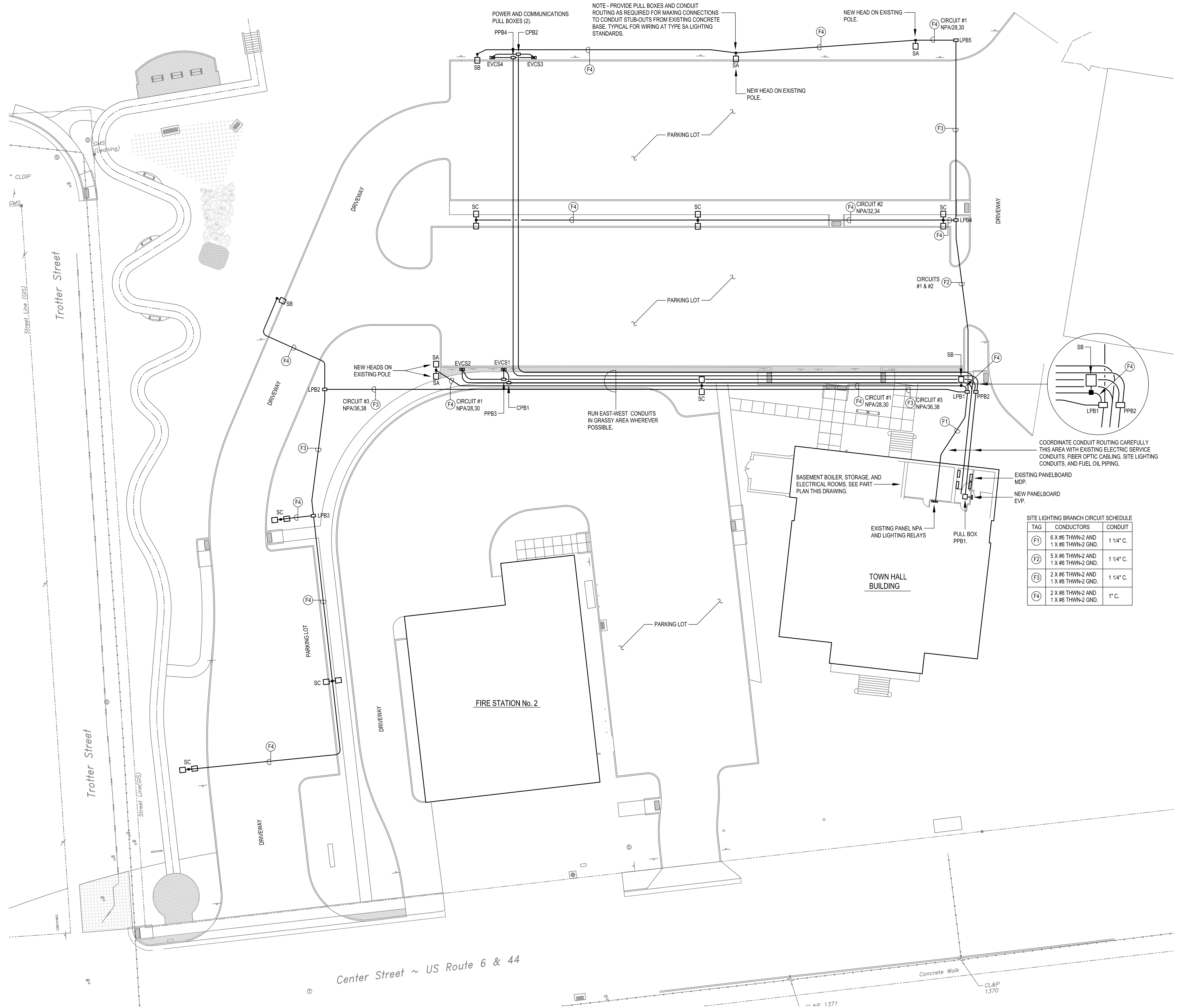
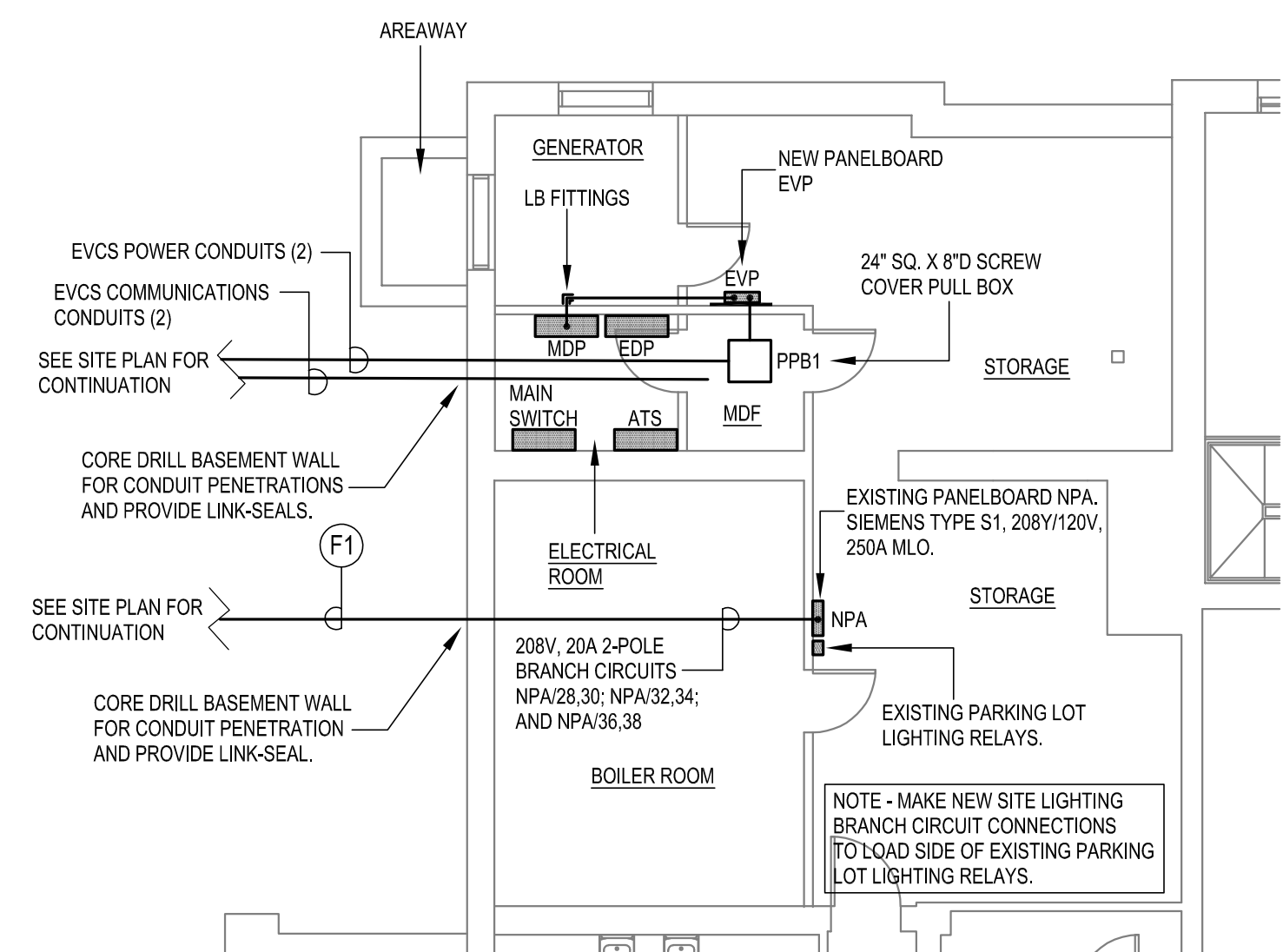
- ALL SEDIMENT CONTROL SYSTEMS SHALL MEET THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" AS PREPARED BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION, LATEST REVISION. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE AND REPAIR OF EROSION CONTROLS REQUIRED FOR THE PROJECT. ADDITIONAL EROSION CONTROLS SHALL BE INSTALLED BY THE CONTRACTOR FOR TEMPORARY STOCKPILING OF EXCAVATED MATERIAL AND WHERE DEEMED NECESSARY BY THE ENGINEER. EROSION CONTROLS SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL THE SITE IS STABILIZED AND THE ENGINEER APPROVES THEIR REMOVAL.
- SILT SACKS SHALL BE INSTALLED IN ALL EXISTING AND PROPOSED CATCH BASINS WITHIN THE PROJECT AREA AND WHERE DIRECTED BY THE ENGINEER. SILT SACKS SHALL BE THE APPROPRIATE TYPE FOR CATCH BASINS WITH AND WITHOUT CURB INLETS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY HANDLING OF ALL STORMWATER RUNOFF DURING CONSTRUCTION. METHODS OF HANDLING RUNOFF SHALL BE APPROVED BY THE ENGINEER.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED AS A FIRST ORDER OF WORK PRIOR TO ANY CONSTRUCTION ACTIVITY.

CENTER STREET (STATE ROUTES 6 AND 44)

ELECTRICAL DRAWING LEGEND SYMBOLS	
	SINGLE HEAD SITE LIGHTING STANDARD
	TWO HEAD SITE LIGHTING STANDARD
	PANELBOARD
	PULL BOX
	ELECTRIC VEHICLE CHARGING STATION
	WIRING IN CONDUIT

ABBREVIATIONS	
A	AMPS.
ATS	AUTOMATIC TRANSFER SWITCH.
AWG	AMERICAN WIRE GAUGE.
C	CONDUIT.
CAT	CATEGORY.
CIB	CIRCUIT BREAKER.
CPBX	COMMUNICATIONS PULL BOX.
EDP	EMERGENCY DISTRIBUTION PANEL.
EVCS	ELECTRIC VEHICLE CHARGING STATION.
EVP	ELECTRIC VEHICLE PANELBOARD.
GND	GROUND.
LPBX	LIGHTING PULL BOX.
MDP	MAIN DISTRIBUTION PANEL.
NTS	NOT TO SCALE.
PPBX	POWER PULL BOX.
V	VOLTS.

- ELECTRICAL SPECIFICATION NOTES**
- THE PROJECT SCOPE OF WORK INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:
 - NEW DUAL MOUNT ELECTRIC VEHICLE CHARGING STATIONS (EVCS).
 - SITE LIGHTING STANDARDS.
 - PRECAST REINFORCED CONCRETE BASES.
 - NEW PANELBOARD.
 - BUS TAP IN EXISTING PANELBOARD FOR NEW FEEDER.
 - FEEDER AND BRANCH CIRCUIT WIRING.
 - CONNECTIONS TO EXISTING PANELBOARD AND SITE LIGHTING CONTROLS.
 - PULL BOXES.
 - COORDINATION WITH INSTALLATION OF NEW TOWN HALL PARKING LOT.
 - TRENCHING AND BACKFILL.
 - THE CONTRACTOR SHALL VERIFY AND OBTAIN ALL NECESSARY DIMENSIONS AT THE BUILDING AND SITE.
 - FINISHED WORK: THE INTENT OF THE SPECIFICATIONS AND DRAWINGS IS TO CALL FOR FINISHED WORK, COMPLETED, TESTED AND READY FOR OPERATION.
 - GOOD PRACTICE: IT IS NOT INTENDED THAT THE DRAWINGS SHOW EVERY CONDUIT, JUNCTION BOX, FITTING OR MINOR DETAIL AND IT IS UNDERSTOOD THAT WHILE THE DRAWINGS MUST BE FOLLOWED AS CLOSELY AS CIRCUMSTANCES WILL PERMIT, THE SYSTEMS SHALL BE INSTALLED ACCORDING TO THE INTENT AND MEANING OF THE CONTRACT DOCUMENTS AND IN ACCORDANCE WITH GOOD PRACTICE.
 - CODES AND STANDARDS - COMPLY WITH ALL FEDERAL, STATE AND LOCAL CODES AND STANDARDS WHEREVER APPLICABLE INCLUDING THE FOLLOWING: 2022 CONNECTICUT STATE BUILDING CODE, 2021 INTERNATIONAL BUILDING CODE, 2022 CONNECTICUT FIRE SAFETY CODE, 2021 INTERNATIONAL FIRE CODE, 2020 NFPA 70 NATIONAL ELECTRICAL CODE, ICC/ANSI A117-2017 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, ADA, NFPA UNDERWRITERS LABORATORIES, FACTORY MUTUAL INSURANCE COMPANY, NEMA STANDARDS.
 - NOTE THAT THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF THE ELECTRICAL EQUIPMENT AND SYSTEMS, WITHOUT SHOWING EVERY DETAIL AND FITTING.
 - RACEWAYS:
 - PROVIDE EMT CONDUIT FOR ALL WORK INSIDE THE BUILDING. CONNECTORS, COUPLINGS, AND FITTINGS SHALL BE GALVANIZED STEEL SET SCREW TYPE. FLEXIBLE STEEL CONDUIT MAY BE USED IN SHORT LENGTHS WHERE EMT CANNOT BE INSTALLED DUE TO INTERFERENCES AND OBSTACLES. PROVIDE ZINC PLATED MALLEABLE IRON SQUEEZE TYPE CONNECTORS, COUPLINGS, AND FITTINGS FOR FLEXIBLE STEEL CONDUIT.
 - PROVIDE RIGID PVC CONDUIT FOR ALL UNDERGROUND WORK OUTSIDE THE BUILDING FOOTPRINT. PVC CONDUIT SHALL BE HEAVY WALL SCHEDULE 40 PVC FOR UNDERGROUND WORK AND EXTRA HEAVY WALL SCHEDULE 80 PVC FOR UNDERGROUND WORK BELOW VEHICULAR TRAFFIC AREAS. JOINTS AND FITTINGS SHALL BE SOLVENT WELDED ALL TO ASTM STANDARDS FOR UNDERGROUND INSTALLATION AND IN ACCORDANCE WITH ARTICLE 352 OF THE NATIONAL ELECTRICAL CODE.
 - PROVIDED RIGID STEEL CONDUIT FOR UNDERGROUND HORIZONTAL AND VERTICAL SWEEPS AND BENDS IN CONDUIT RUNS OUTSIDE THE BUILDING FOOTPRINT. RIGID STEEL CONDUIT CONNECTORS, COUPLINGS, AND FITTINGS SHALL BE THREADED AND GALVANIZED.
 - THE MINIMUM CONDUIT BURIAL DEPTH SHALL BE 30".
 - CONDUCTORS SHALL BE COPPER, RATED 600 VOLTS, 90 DEG. C., COLOR CODED, TYPE THWN-2.
 - WIRE SIZE #8 AWG AND LARGER SHALL BE STRANDED. WIRE OF SIZE SMALLER THAN #8 AWG SHALL BE SOLID.
 - MINIMUM SIZE CONDUCTOR SHALL BE #12 AWG.
 - INTERIOR RACEWAYS AND CABLE SHALL BE RUN PARALLEL TO OR AT RIGHT ANGLES TO WALL LINES.
 - INTERIOR RACEWAYS AND CABLE SHALL BE SUPPORTED FROM THE STRUCTURE BY STRAP HANGERS, ROD HANGERS, OR RACK MOUNTED, OR OTHER APPROVED ELECTRICAL MOUNTING.
 - PROVIDE FIRE STOPPING AT ALL FIRE AND/OR SMOKE RATED WALL OR CEILING PENETRATIONS IN ORDER TO MAINTAIN ITS ORIGINAL INTEGRITY.



SITE LIGHTING BRANCH CIRCUIT SCHEDULE

TAG	CONDUCTORS	CONDUIT
F1	6 X #6 THWN-2 AND 1 X #6 THWN-2 GND.	1.14" C.
F2	5 X #6 THWN-2 AND 1 X #6 THWN-2 GND.	1.14" C.
F3	2 X #6 THWN-2 AND 1 X #6 THWN-2 GND.	1.14" C.
F4	2 X #6 THWN-2 AND 1 X #6 THWN-2 GND.	1" C.

REVISIONS

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**MANCHESTER TOWN HALL
NEW PARKING LOT LIGHTING & EV CHARGERS
MANCHESTER, CONNECTICUT**

BEIMS ASSOCIATES, L.L.C.
Consulting Engineers

BIA

183 Main Street
Farmington, CT 06032
Tel: (860) 321-7070
Fax: (860) 321-7070
www.beimscorp.com

TITLE
SITE LIGHTING AND POWER PLAN

DATE: 5/26/2023

DWG. NO. SE-1
SHEET 10 OF 20



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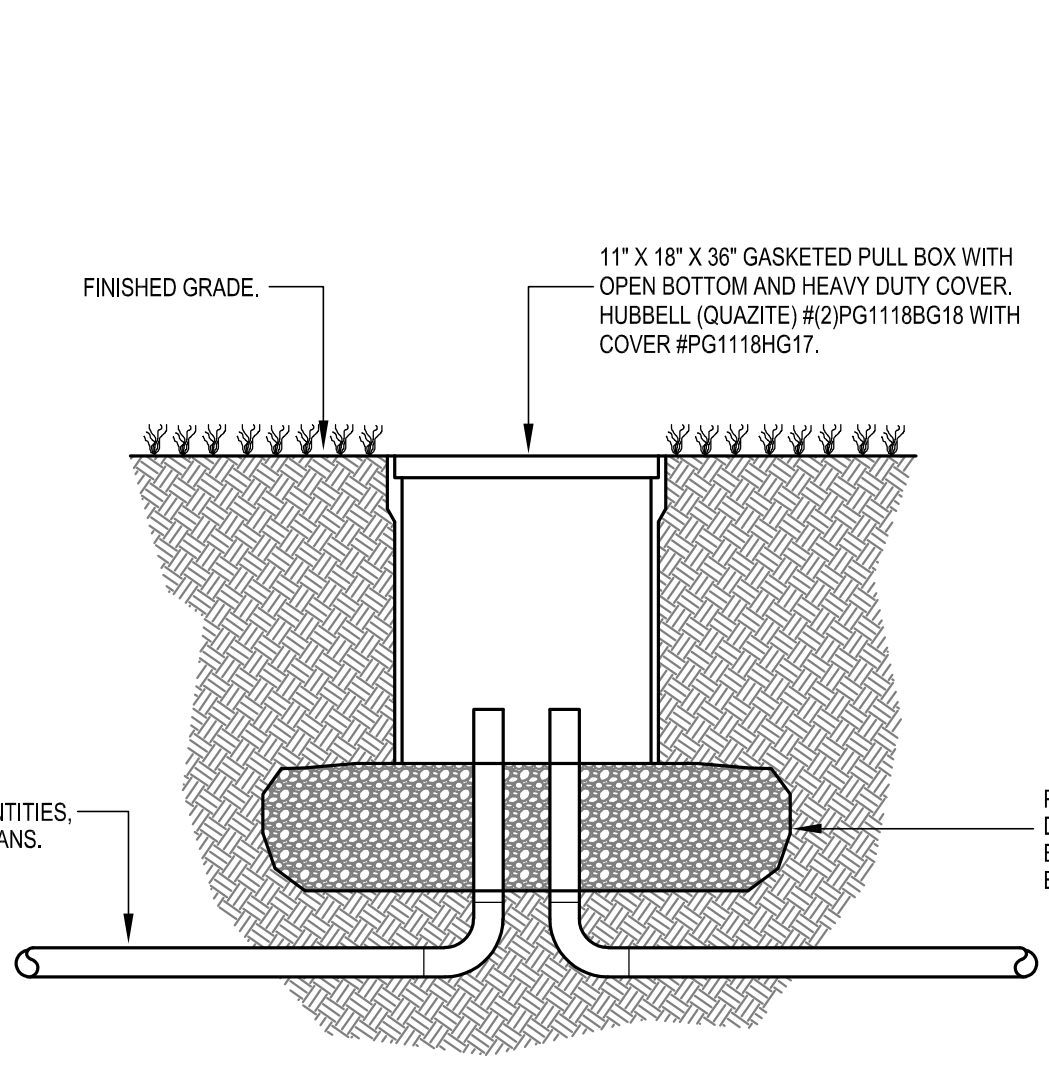
**MANCHESTER TOWN HALL
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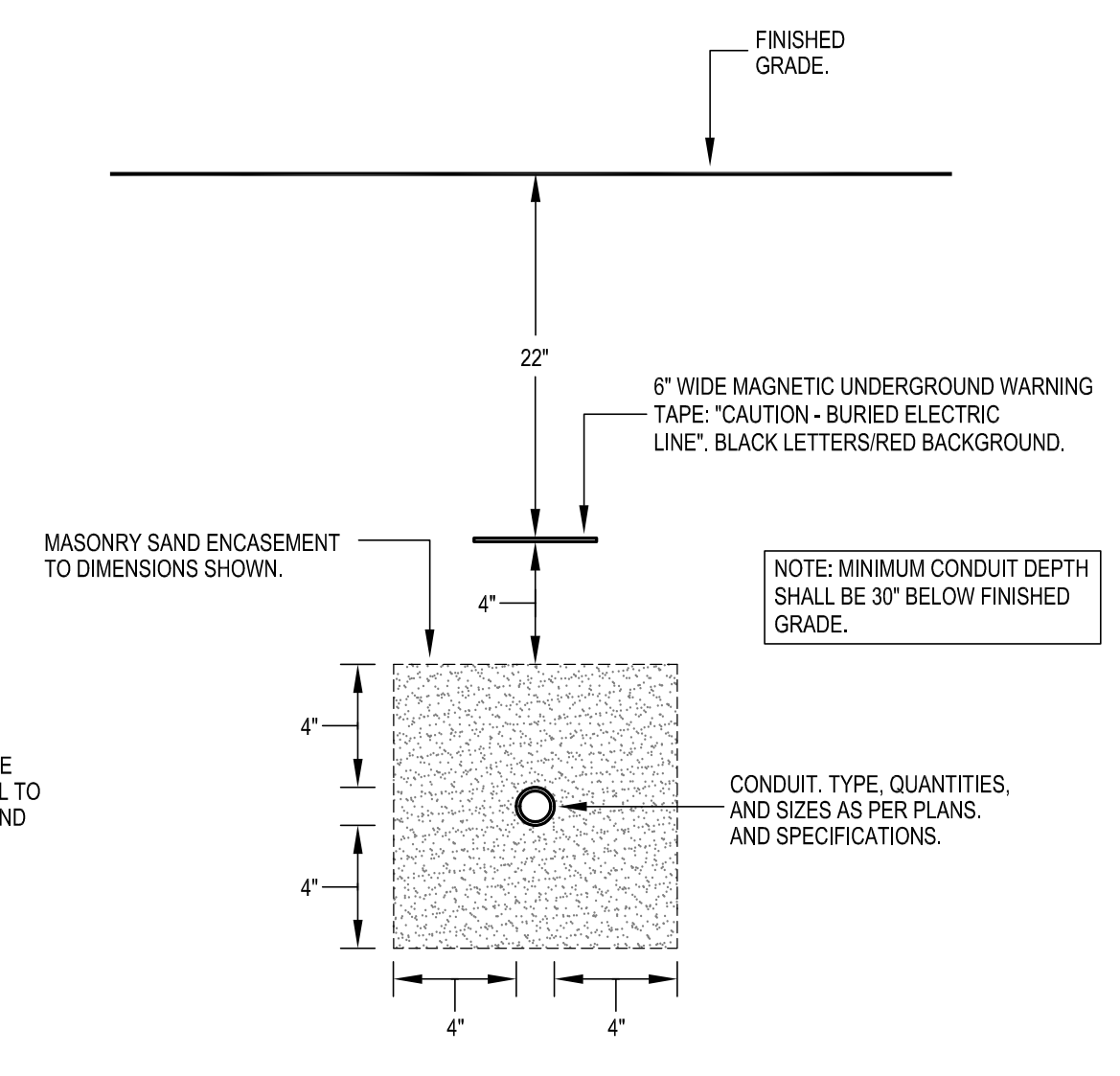
TITLE
SITE ELECTRICAL DETAILS

DATE: 5/26/2023

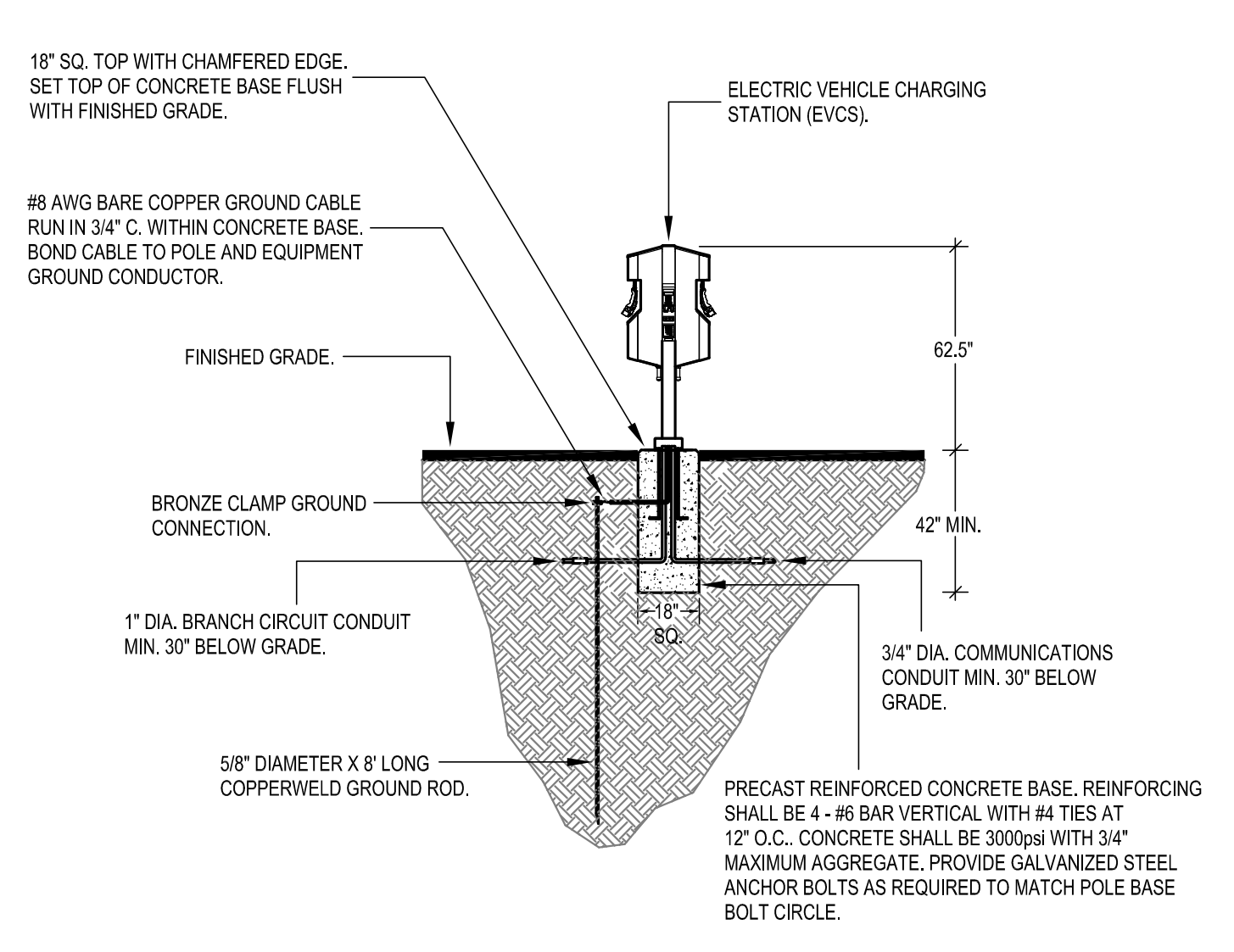
DWG. NO.
SE-2
 SHEET 11 OF 20



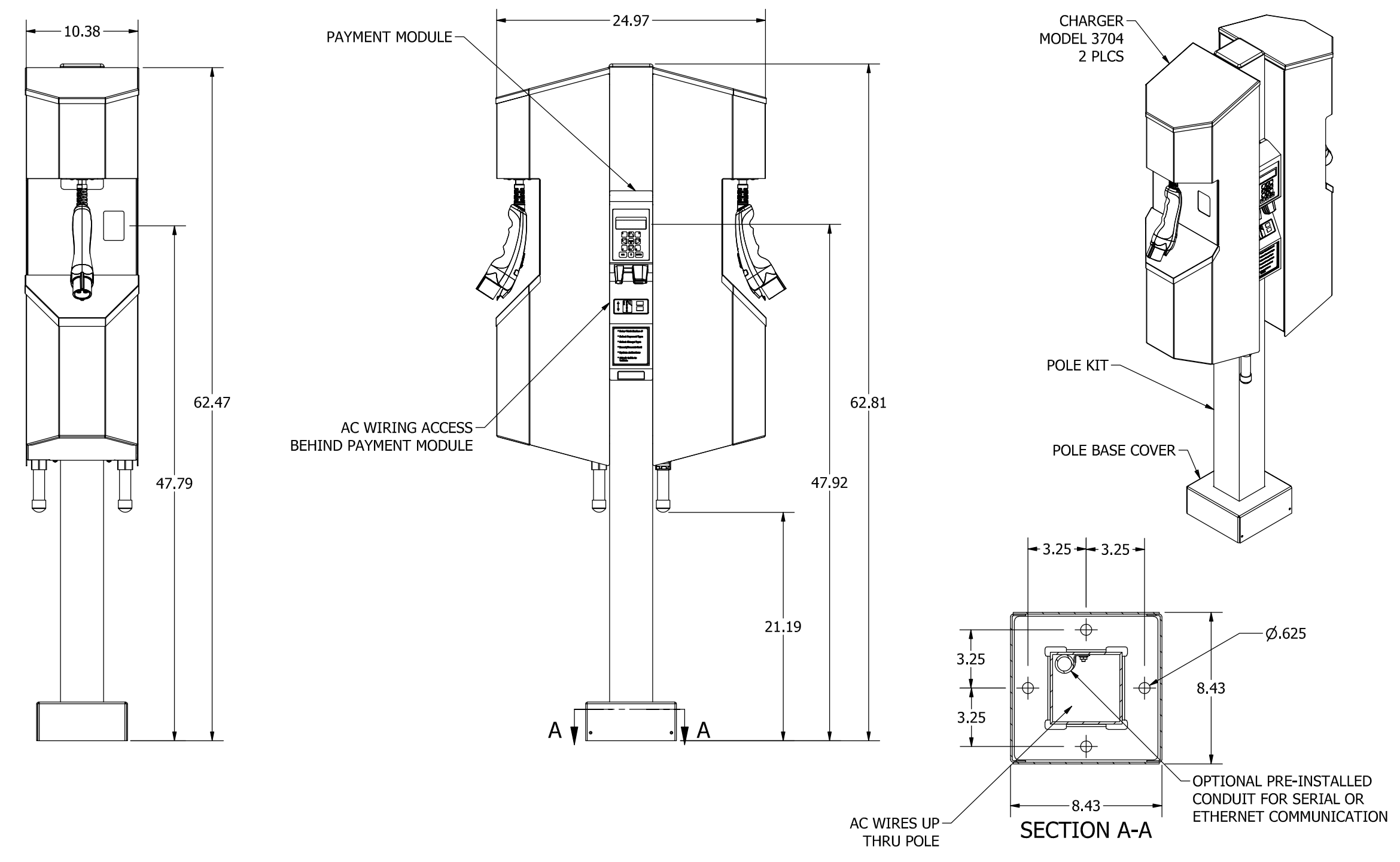
SITE PULL BOX DETAIL
 NTS



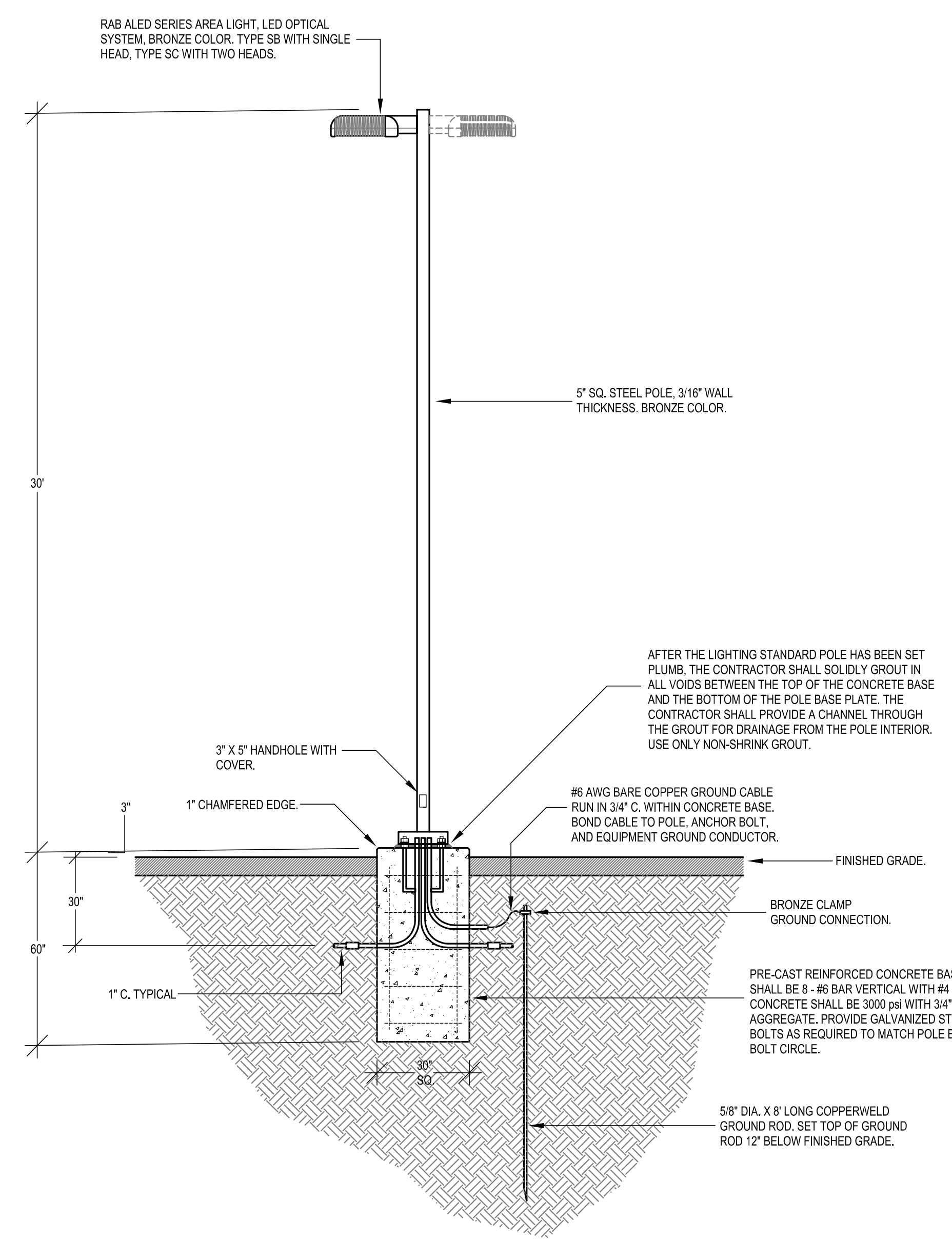
UNDERGROUND CONDUIT DETAIL
 NTS



EVCS CONCRETE BASE DETAIL
 NTS

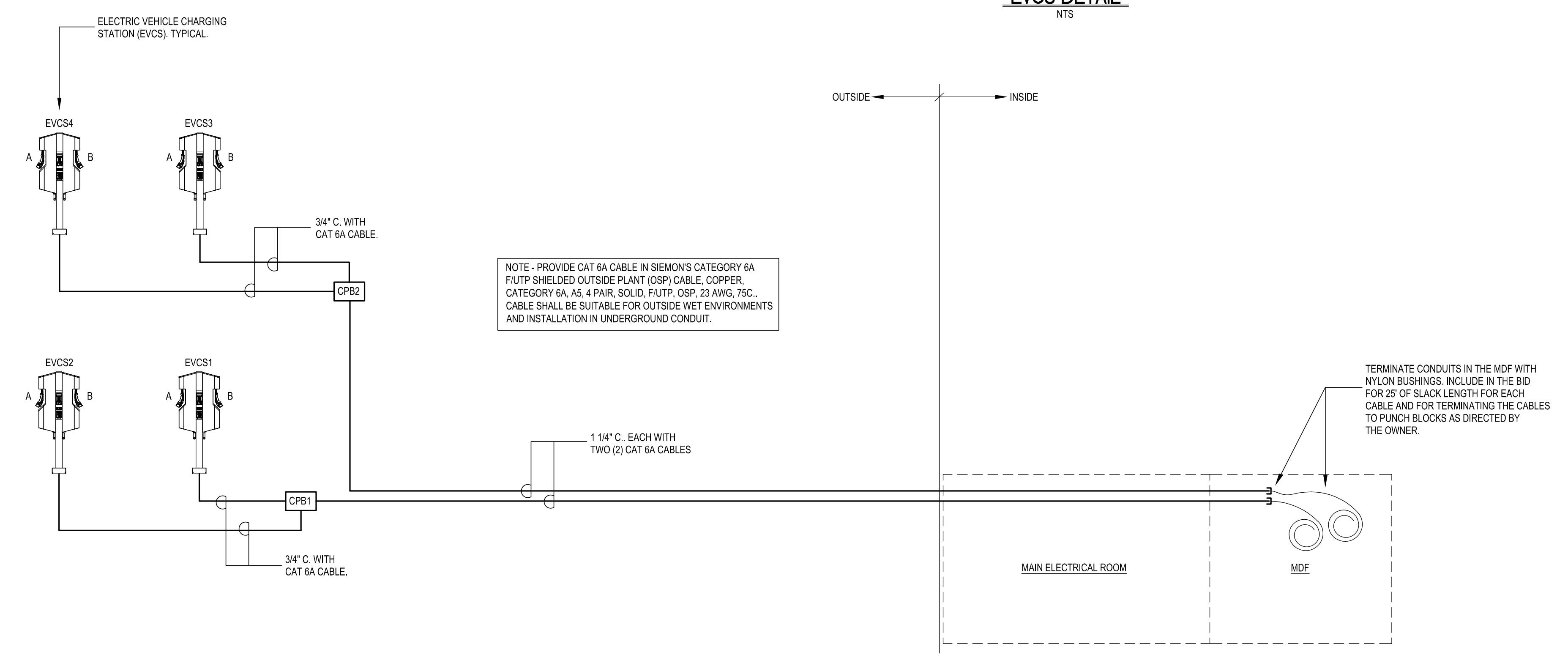


EVCS DETAIL
 NTS

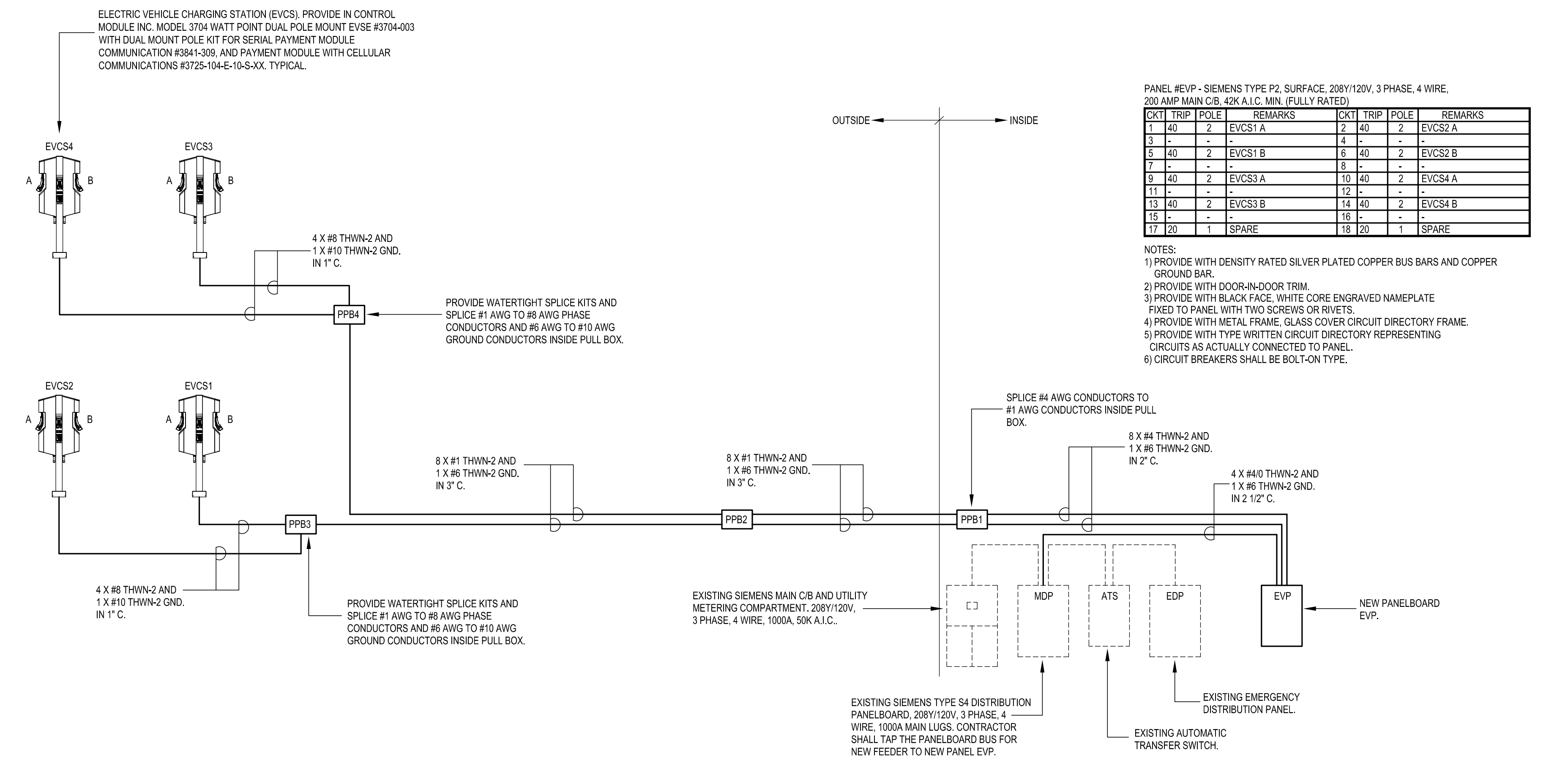


SITE LIGHTING STANDARD DETAIL - TYPES SB AND SC
 NTS

SCHEDULE OF SITE LIGHTING STANDARDS				
TYPE	DESCRIPTION, MANUFACTURER, AND MODEL #	LAMP	FIXTURE WATTS	REMARKS
SA	23 38" X 15" W X 4 1/2" H POLE MOUNT AREA LIGHT WITH DIE-CAST ALUMINUM HOUSING, POLYCARBONATE LENS, VACUUM-METALIZED SPECULAR REFLECTOR, HIGH TEMPERATURE SILICONE GASKETING, TYPE 3 DISTRIBUTION, FIXED OUTPUT LED DRIVER (208V), AND HIGH DURABILITY BRONZE FINISH. RAB #ALED-3T-150-208V.	LEDS, 16839 LUMENS, 5000° K, 84 CRI	150	CONTRACTOR SHALL RETAIN AND REUSE THE EXISTING CONCRETE BASE AND LIGHTING STANDARD POLE. CONTRACTOR SHALL MAKE CONNECTION TO EXISTING CONDUIT STUB-OUTS FROM BASE AND SHALL DRILL THE EXISTING POLE AS REQUIRED FOR MOUNTING FIXTURE(S).
SB	23 38" X 15" W X 4 1/2" H POLE MOUNT AREA LIGHT WITH DIE-CAST ALUMINUM HOUSING, POLYCARBONATE LENS, VACUUM-METALIZED SPECULAR REFLECTOR, HIGH TEMPERATURE SILICONE GASKETING, TYPE 3 DISTRIBUTION, FIXED OUTPUT LED DRIVER (208V), AND HIGH DURABILITY BRONZE FINISH. PROVIDE WITH 5' SQ. X 30" STEEL POLE. RAB #ALED-3T-150-208V WITH RAB POLE #PSS-07-3001.	LEDS, 16839 LUMENS, 5000° K, 84 CRI	150	SINGLE HEAD LIGHTING STANDARD.
SC	TWO (2) 23 38" X 15" W X 4 1/2" H POLE MOUNT AREA LIGHTS WITH DIE-CAST ALUMINUM HOUSING, POLYCARBONATE LENS, VACUUM-METALIZED SPECULAR REFLECTOR, HIGH TEMPERATURE SILICONE GASKETING, TYPE 3 DISTRIBUTION, FIXED OUTPUT LED DRIVER (208V), AND HIGH DURABILITY BRONZE FINISH. PROVIDE WITH 5' SQ. X 30" STEEL POLE. TWO (2) RAB #ALED-3T-150-208V WITH RAB POLE #PSS-07-3001.	LEDS, 33678 LUMENS, 5000° K, 84 CRI	300	2 HEAD LIGHTING STANDARD WITH HEADS MOUNTED AT 180°.



COMMUNICATIONS RISER DIAGRAM
 NTS



POWER RISER DIAGRAM
 NTS



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

--- WETLANDS BOUNDARY	☆ LIGHT POLE
--- RETAINING WALL	⊗ CONIFEROUS TREE
--- CURB WALL	⊗ DEODOROUS TREE
--- STONE WALL	⊗ SANITARY MANHOLE
--- STOCKADE FENCE	⊗ DRAINAGE MANHOLE
--- WIRE FENCE	⊗ CATCH BASIN
--- CHAIN LINK FENCE	⊗ CULVERT END
--- PROPERTY LINE	⊗ HYDRANT
--- RAILROAD TRACKS	⊗ CURB STOP
--- SILT FENCE	⊗ WATER VALVE
⊠ CONCRETE MONUMENT	⊗ BUTTERFLY VALVE
⊠ GRANITE MONUMENT	⊗ BLOW OFF
○ IRON PIPE	⊗ SIGN
● IRON ROD	⊗ DOUBLE POST SIGN
△ CONTROL POINT	⊗ MAIL BOX
● DRILL HOLE	⊗ BOLLARD
⊗ UTILITY POLE	⊗ CONTROLLER CABINET
⊗ UTILITY POLE WITH LIGHT	⊗ GAS GATE
⊗ TRAFFIC SPAN POLE	⊗ TELEPHONE BOX
⊗ ELECTRIC BOX	⊗ WETLAND FLAG
⊗ CATV TUBE	

PROJECT NUMBER
2017062

FILENAME
2017062-PLAN.DWG

NO.	DATE	FILE
-	06/16/23	BID DOCUMENTS

DRAWN BY: JL
CHECKED BY:
RELEASED BY: TB

DRAWING SCALE
HORIZONTAL: 1" = 20' VERTICAL: ---
OR AS NOTED
20 10 0 20
GRAPHIC SCALE

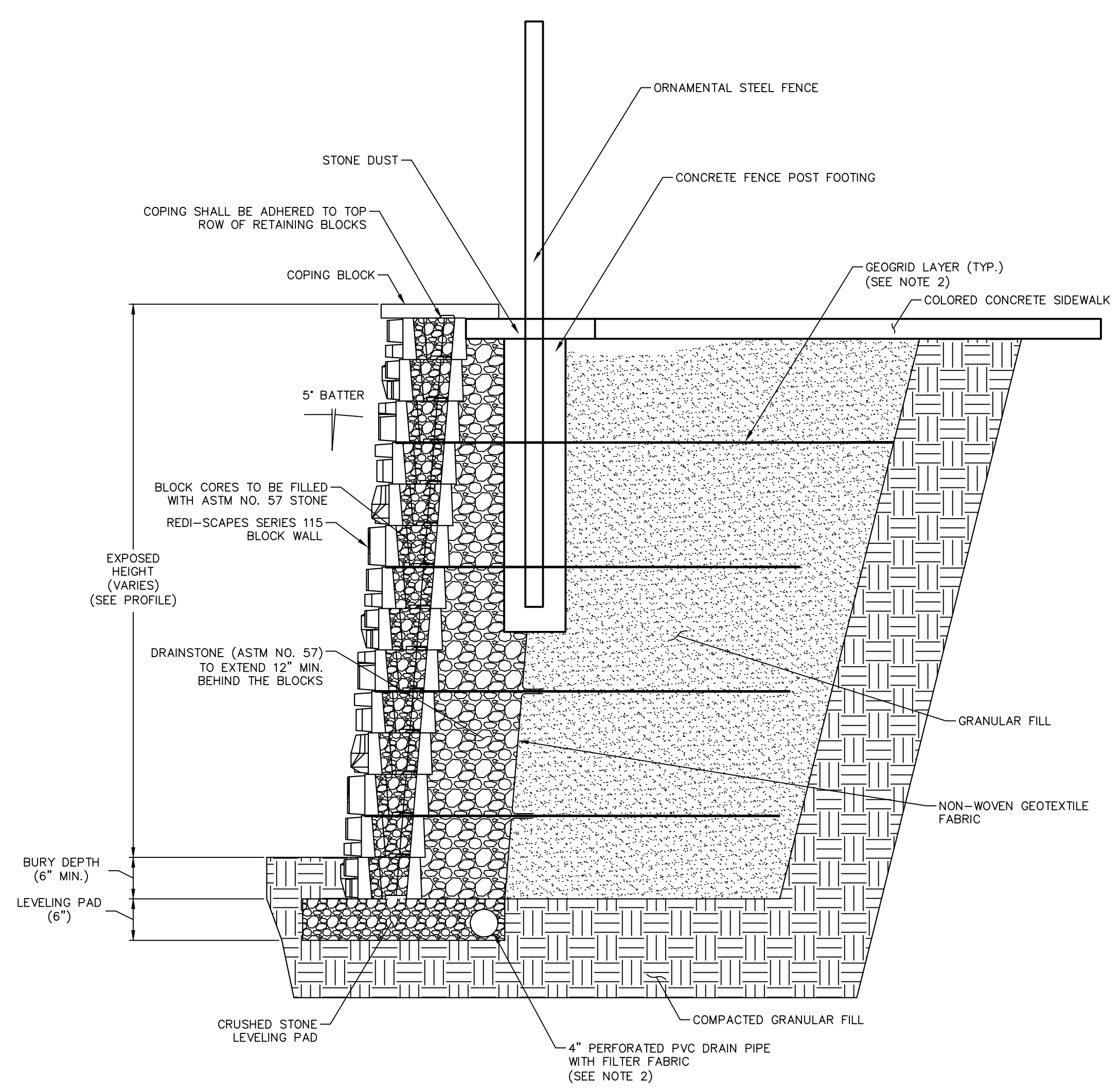
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**41-75 CENTER STREET
MANCHESTER, CT**

PROJECT TITLE
**TOWN HALL
PARKING LOT
IMPROVEMENTS**

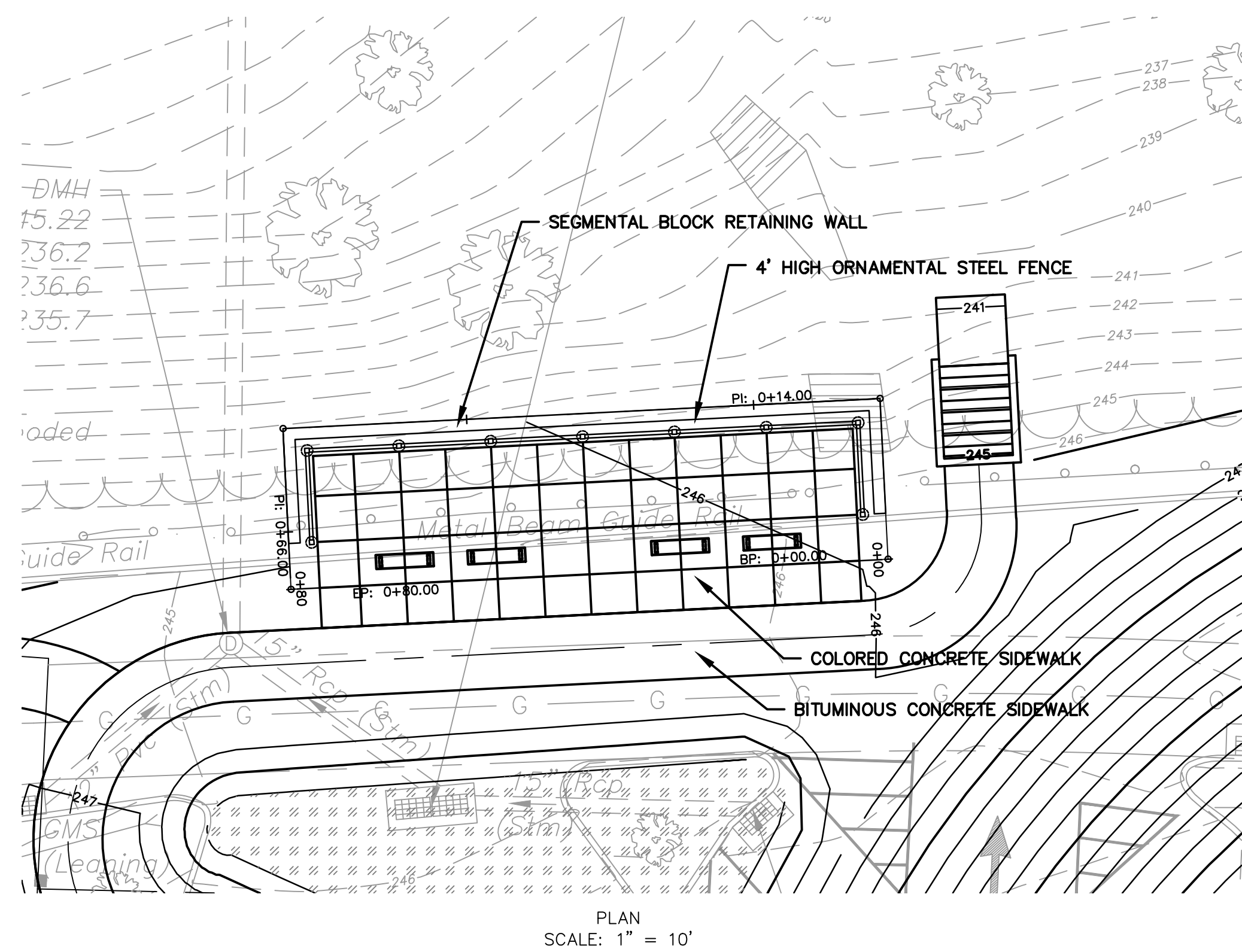
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**RETAINING WALL
NO. 1 PLAN**

SHEET NUMBER
12 of 20

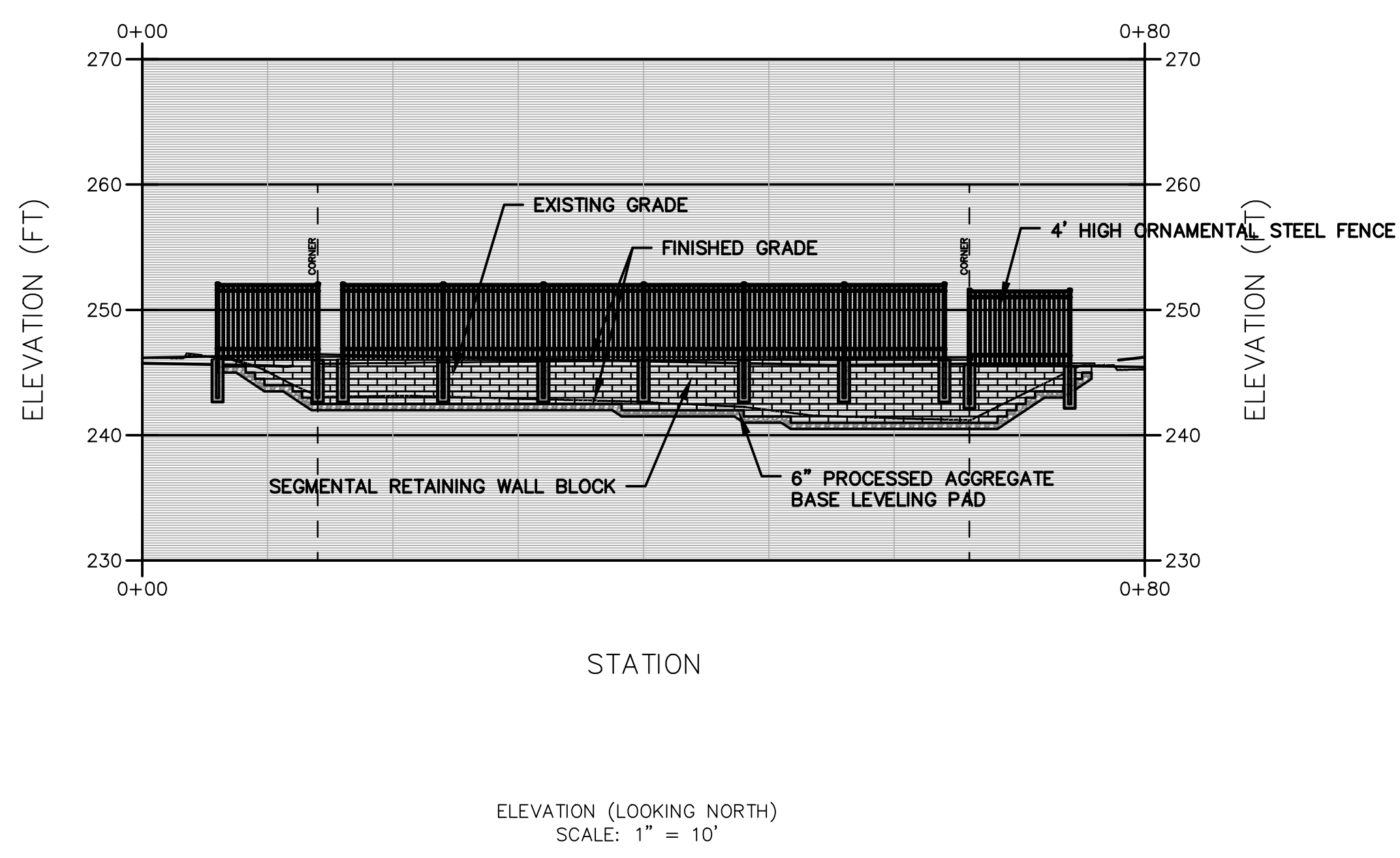


NOTES:
1. SEGMENTAL BLOCK WALLS AND ALL COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND AS DIRECTED BY THE ENGINEER.
2. GEOGRID REINFORCING FABRIC AND DRAINAGE PIPE SHALL BE INSTALLED IF REQUIRED BASED ON SITE CONDITIONS IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

TYPICAL SECTION
NOT TO SCALE



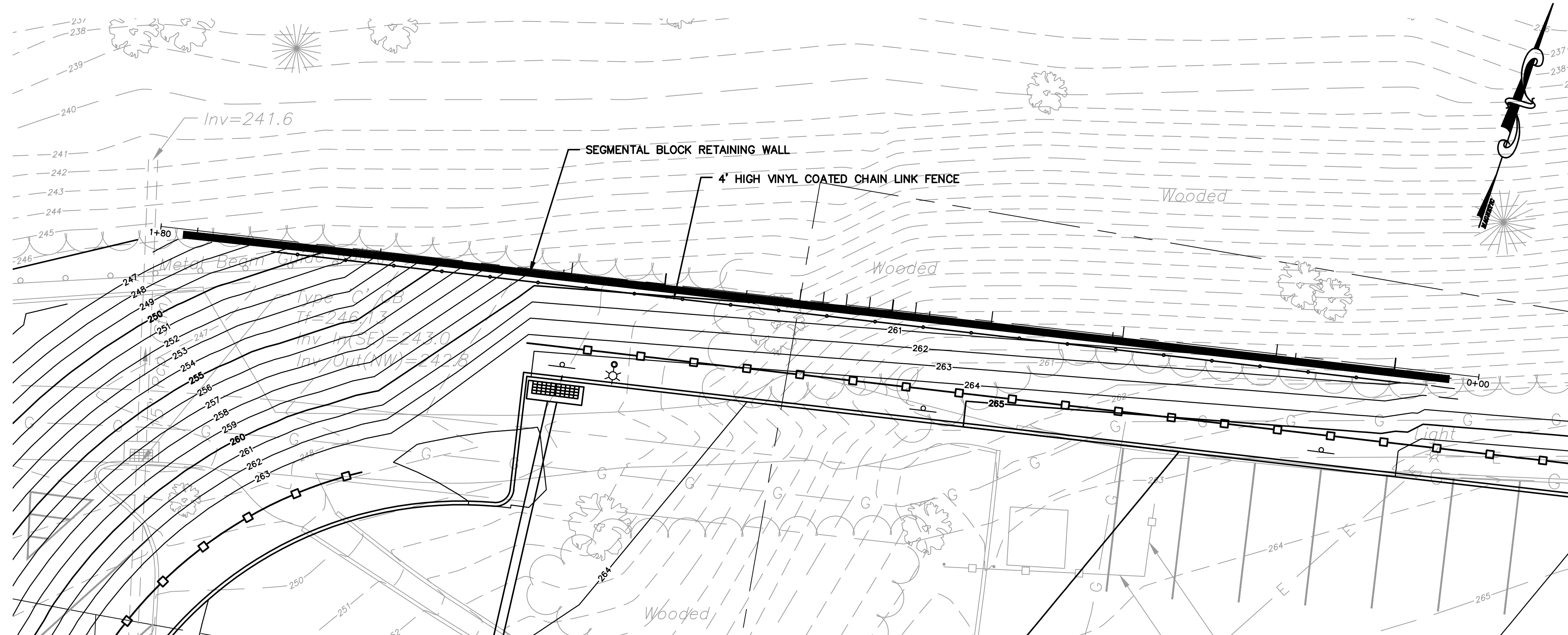
PLAN
SCALE: 1" = 10'



ELEVATION (LOOKING NORTH)
SCALE: 1" = 10'



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191



PLAN
SCALE: 1" = 10'

LEGEND

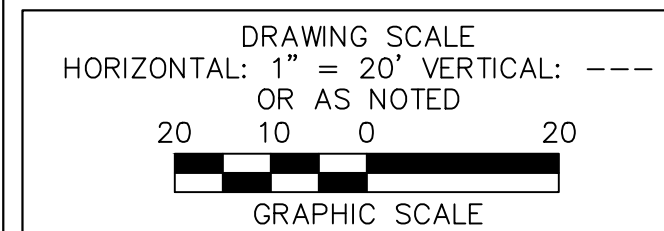
---	WETLANDS BOUNDARY	☆	LIGHT POLE
---	RETAINING WALL	⊗	CONIFEROUS TREE
---	STONE WALL	⊗	DECIDUOUS TREE
---	STOCKADE FENCE	⊗	SANITARY MANHOLE
---	WIRE FENCE	⊗	DRAINAGE MANHOLE
---	CHAIN LINK FENCE	⊗	CATCH BASIN
---	PROPERTY LINE	⊗	CULVERT END
---	RAILROAD TRACKS	⊗	HYDRANT
---	SILT FENCE	⊗	CURB STOP
---	CONCRETE MONUMENT	⊗	WATER VALVE
---	GRANITE MONUMENT	⊗	BUTTERFLY VALVE
---	IRON PIPE	⊗	BLOW OFF
---	IRON ROD	⊗	SIGN
---	CONTROL POINT	⊗	DOUBLE POST SIGN
---	DRILL HOLE	⊗	MAIL BOX
---	UTILITY POLE	⊗	BOLLARD
---	UTILITY POLE WITH LIGHT	⊗	CONTROLLER CABINET
---	TRAFFIC SPAN POLE	⊗	GAS GATE
---	ELECTRIC BOX	⊗	TELEPHONE BOX
---	WETLAND FLAG	⊗	CATV TUBE

PROJECT NUMBER
2017062

FILENAME
2017062-PLAN.DWG

NO.	DATE	FILE
-	06/16/23	BID DOCUMENTS

DRAWN BY: JL
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RELEASED BY: TB



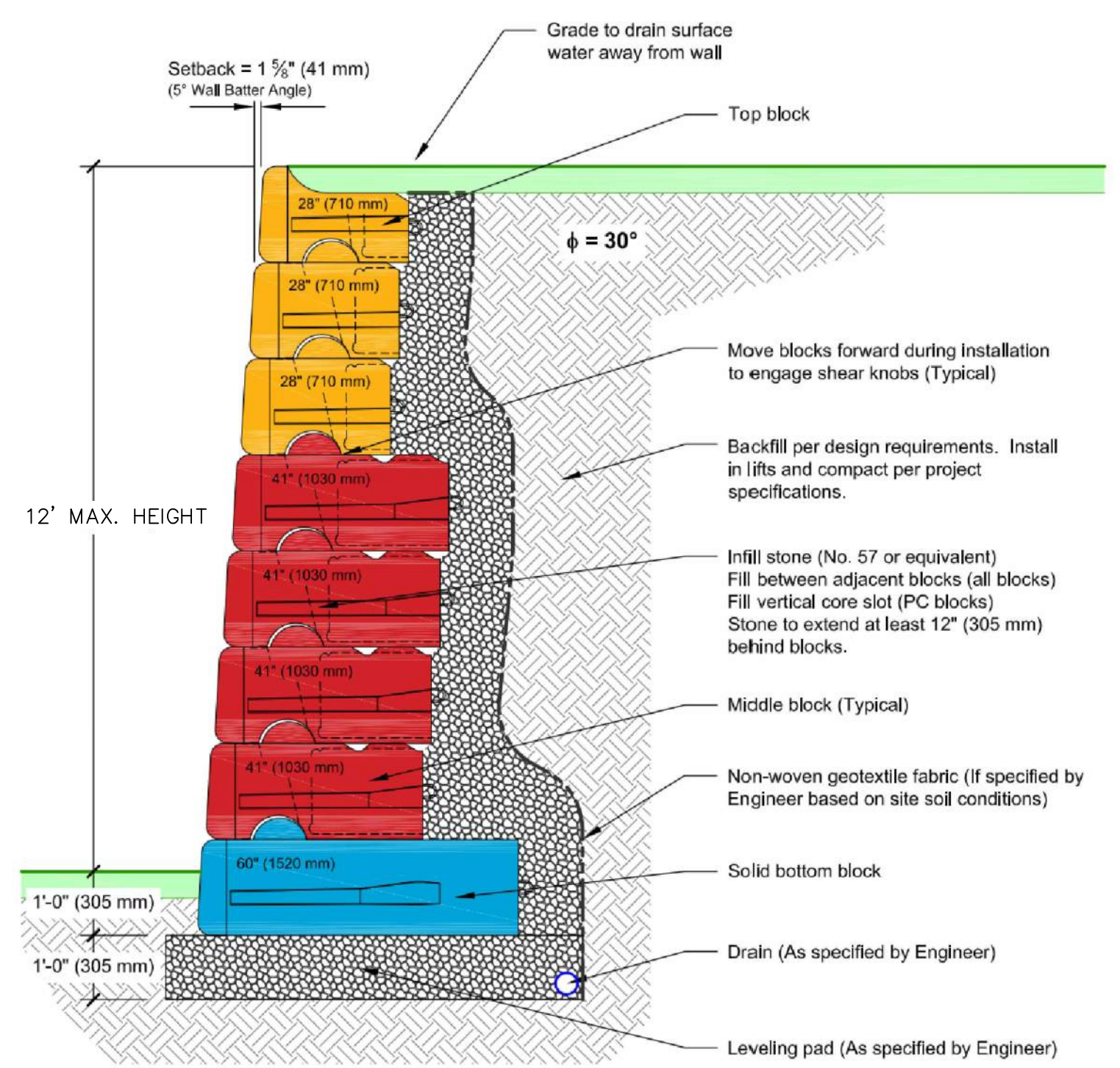
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**41-75 CENTER STREET
MANCHESTER, CT**

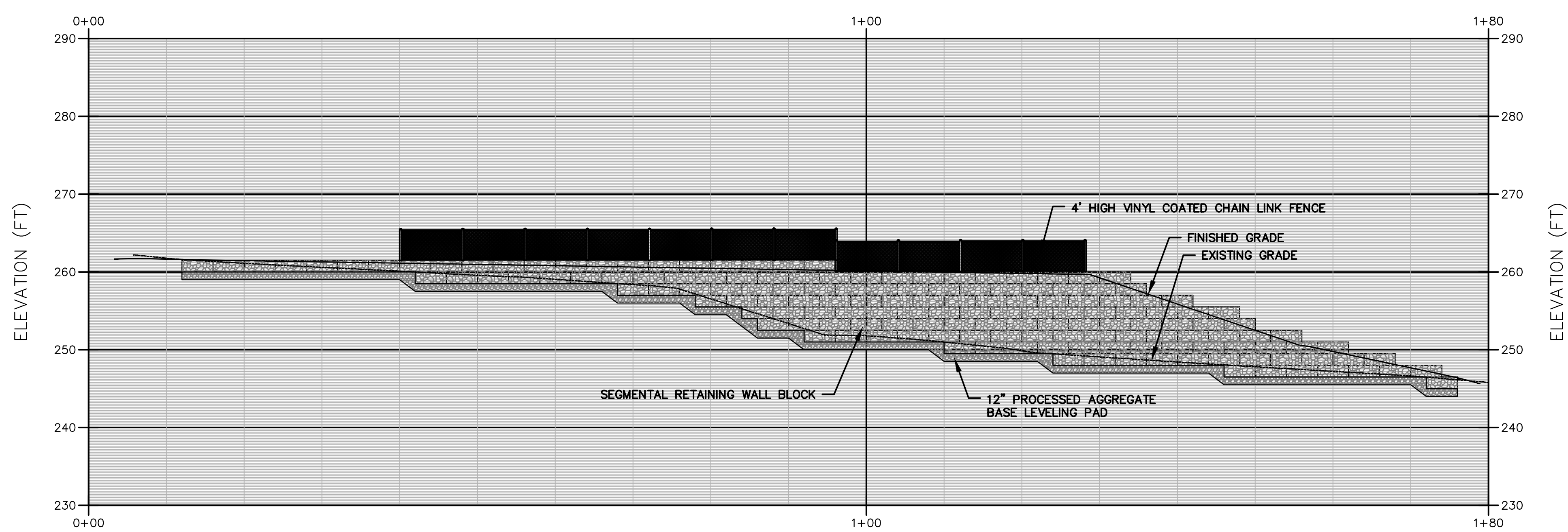
PROJECT TITLE
**TOWN HALL
PARKING LOT
IMPROVEMENTS**

SHEET TITLE
**RETAINING WALL
NO. 2 PLAN**

SHEET NUMBER
13 of 20



TYPICAL SECTION
NO SCALE



ELEVATION (LOOKING NORTH)
SCALE: 1" = 10'



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

—	WETLAND BOUNDARY	☆	LIGHT POLE
—	RETAINING WALL	⊗	CONIFEROUS TREE
—	STONE WALL	⊗	DECIDUOUS TREE
—	STOCKADE FENCE	⊗	SANITARY MANHOLE
—	WIRE FENCE	⊗	DRAINAGE MANHOLE
—	CHAIN LINK FENCE	⊗	CATCH BASIN
—	PROPERTY LINE	⊗	CULVERT END
—	RAILROAD TRACKS	⊗	WIDENMENT
—	SILT FENCE	⊗	CURB STOP
—	CONCRETE MONUMENT	⊗	WATER VALVE
—	GRANITE MONUMENT	⊗	BUTTERFLY VALVE
—	IRON PIPE	⊗	BLOW OFF
—	IRON ROD	⊗	SIGN
—	CONTROL POINT	⊗	DOUBLE POST SIGN
—	DRILL HOLE	⊗	MAIL BOX
—	UTILITY POLE	⊗	BOLLARD
—	UTILITY POLE WITH LIGHT	⊗	CONTROLLER CABINET
—	ELECTRIC BOX	⊗	GAS GATE
—	WETLAND FLAG	⊗	TELEPHONE BOX
—		⊗	CATV TUBE

PROJECT NUMBER
2017062

FILENAME
2017062-PLAN.DWG

NO.	DATE	FILE
—	06/16/23	BID DOCUMENTS

DRAWN BY: JL
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RELEASED BY: TB

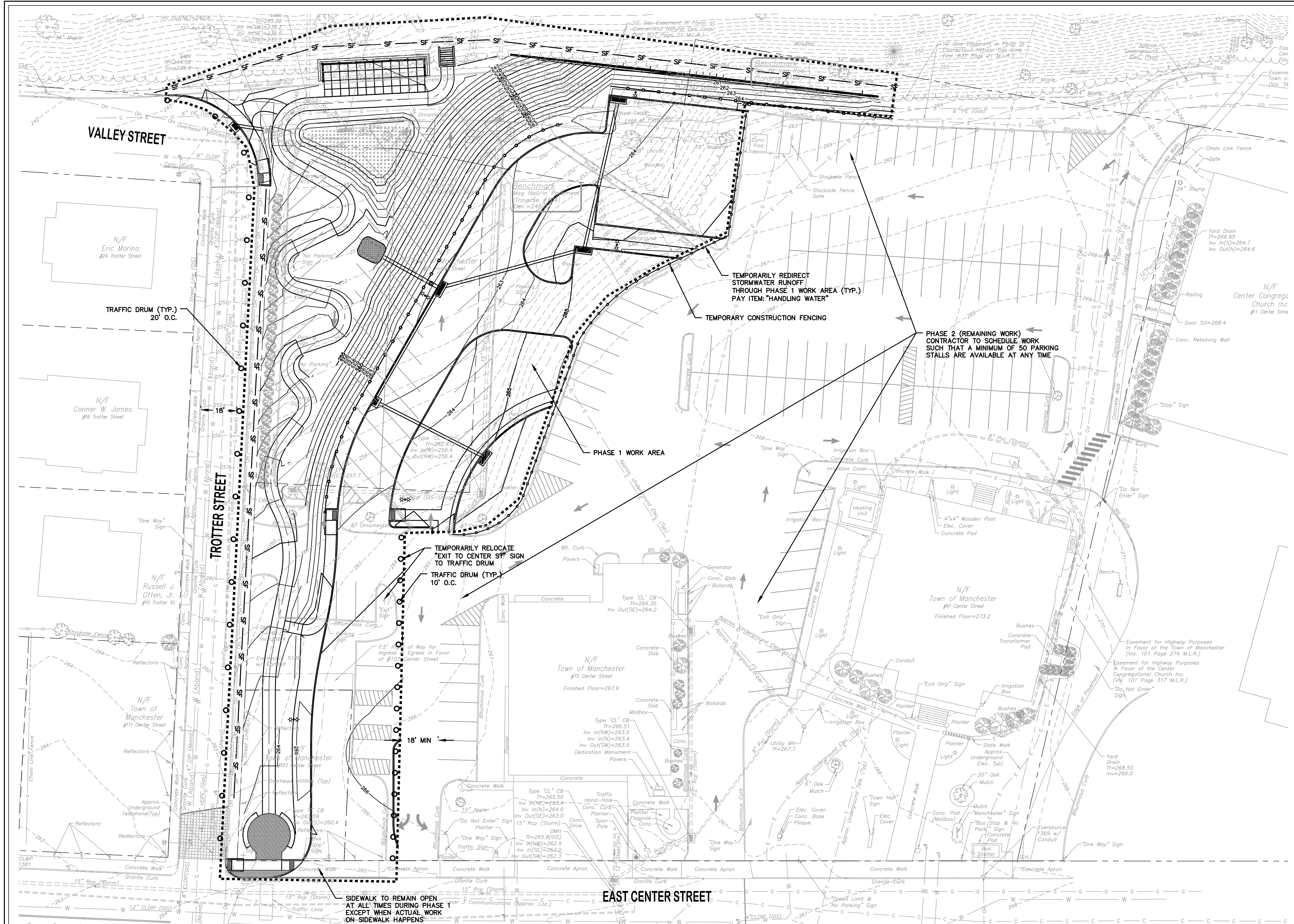
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**41-75 CENTER STREET
MANCHESTER, CT**

PROJECT TITLE
**TOWN HALL
PARKING LOT
IMPROVEMENTS**

SHEET TITLE
PHASING PLAN

SHEET NUMBER
14 of 20





TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

—	WETLAND BOUNDARY	☆	LIGHT POLE
—	RETAINING WALL	⊙	CONIFEROUS TREE
—	GRASS WALL	⊙	DECIDUOUS TREE
—	STONE WALL	⊙	SANITARY MANHOLE
—	STOCKADE FENCE	⊙	DRAINAGE MANHOLE
—	WIRE FENCE	⊙	CATCH BASIN
—	CHAIN LINK FENCE	⊙	CULVERT END
—	PROPERTY LINE	⊙	HYDRANT
—	RAILROAD TRACKS	⊙	CURB STOP
—	SILT FENCE	⊙	WATER VALVE
⊙	CONCRETE MONUMENT	⊙	BUTTERFLY VALVE
⊙	GRANITE MONUMENT	⊙	BLOW OFF
⊙	IRON PIPE	⊙	SIGN
⊙	IRON ROD	⊙	DOUBLE POST SIGN
⊙	CONTROL POINT	⊙	MAIL BOX
⊙	DRILL HOLE	⊙	BOLLARD
⊙	UTILITY POLE	⊙	CONTROL BOX CABINET
⊙	UTILITY POLE WITH LIGHT	⊙	GAS GATE
⊙	ELECTRIC BOX	⊙	TELEPHONE BOX
⊙	WETLAND FLAG	⊙	CATV TUBE

PROJECT NUMBER
2017062

FILENAME
2017062-PLAN.DWG

NO.	DATE	FILE
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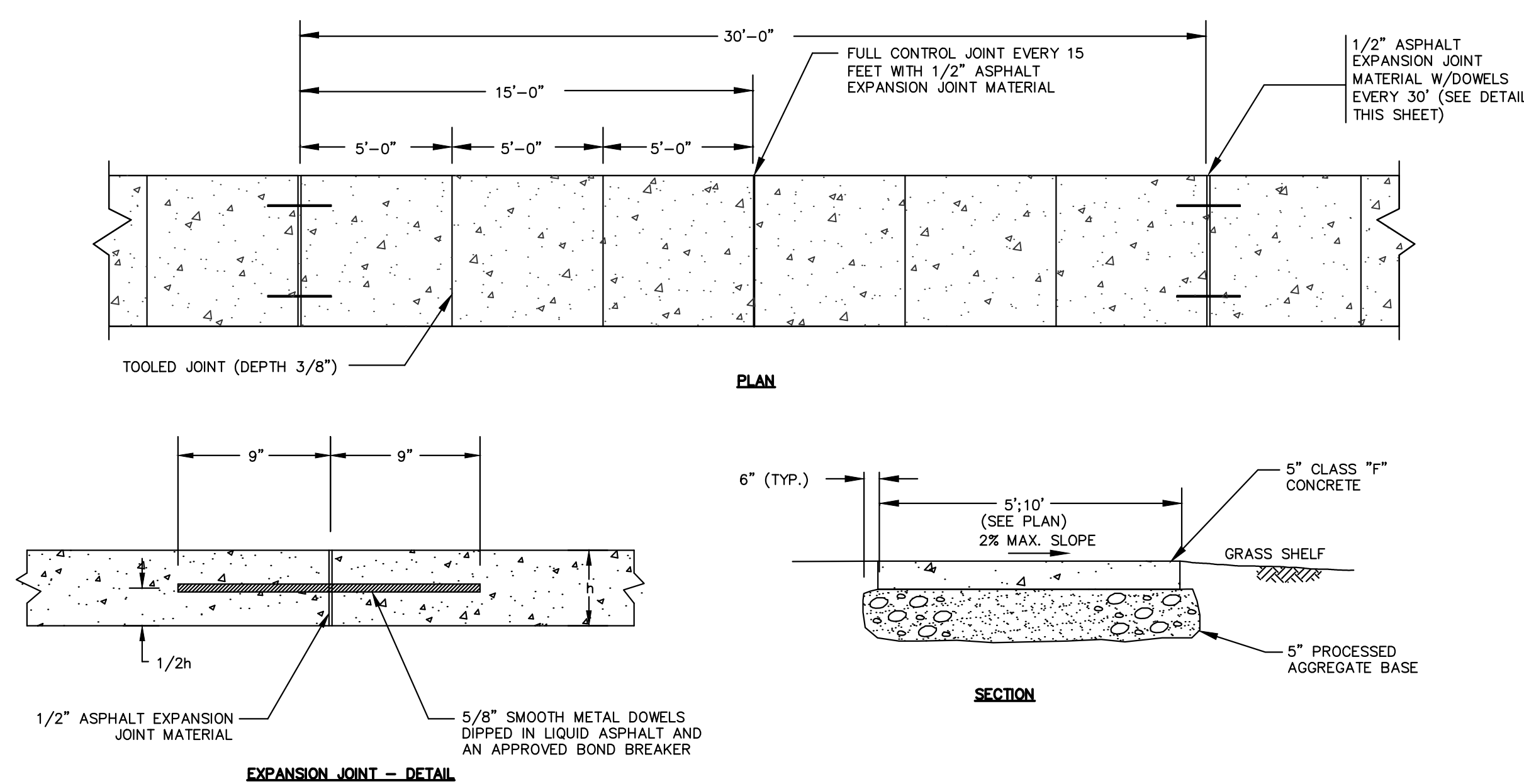
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HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**41-75 CENTER STREET
MANCHESTER, CT**

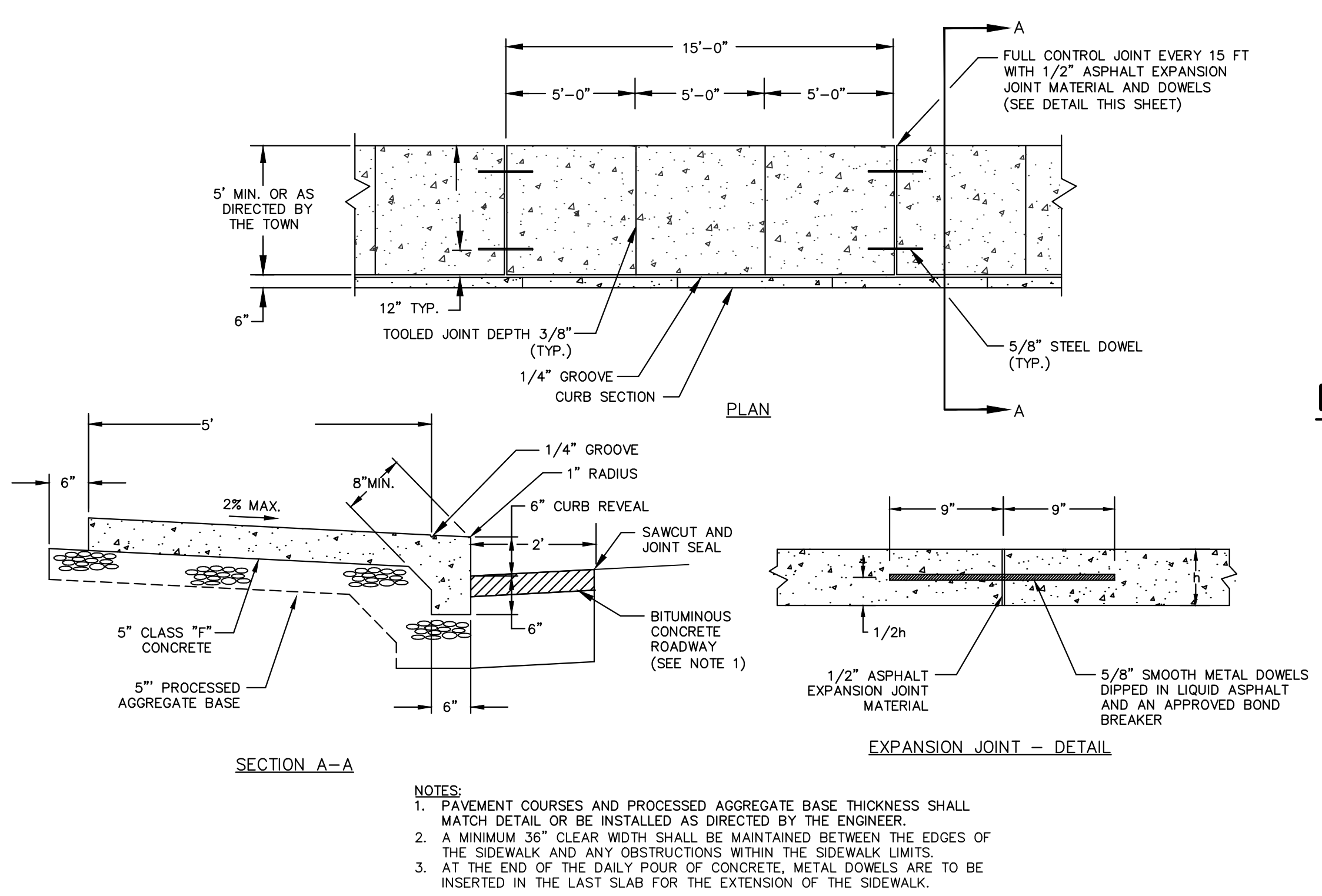
PROJECT TITLE
**TOWN HALL
PARKING LOT
IMPROVEMENTS**

SHEET TITLE
DETAILS

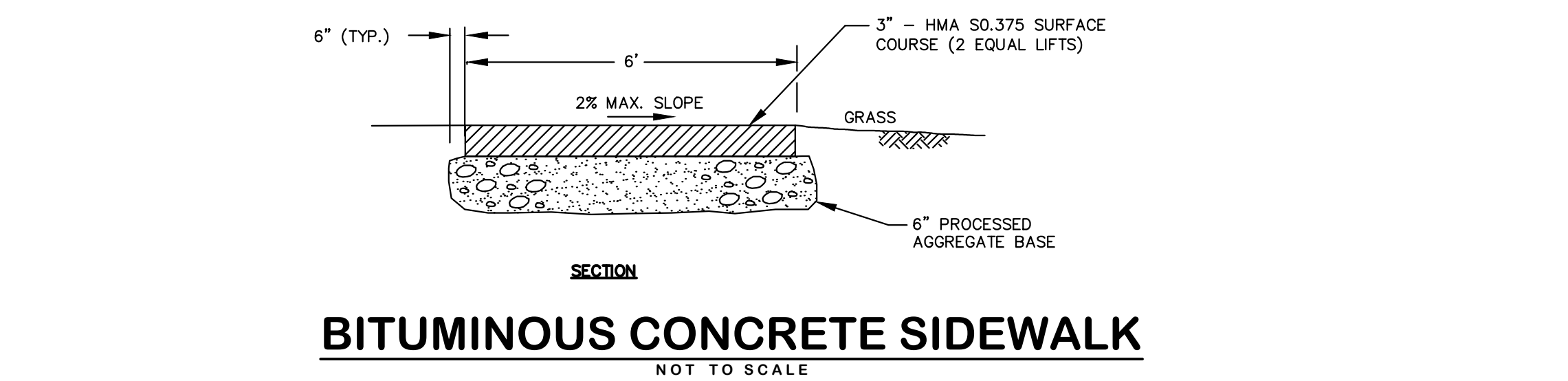
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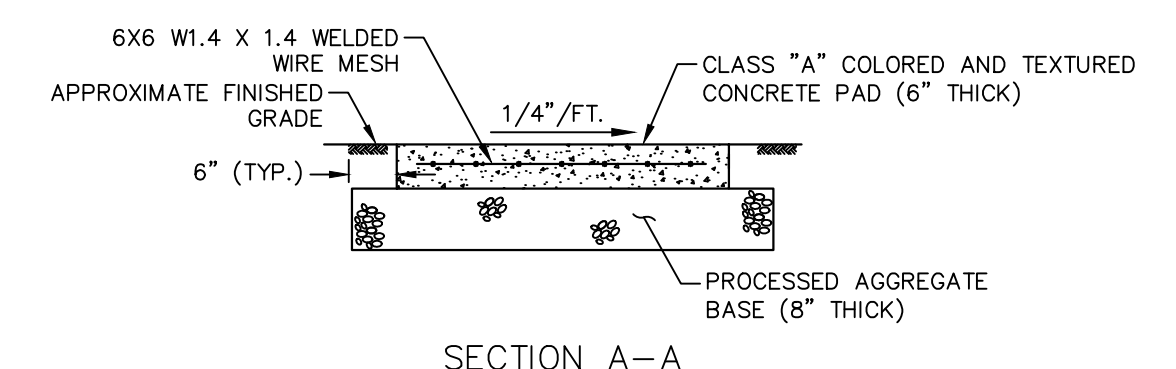
5" CONCRETE SIDEWALK
NOT TO SCALE
DETAIL ALSO USED FOR "COLORED CONCRETE SIDEWALK"



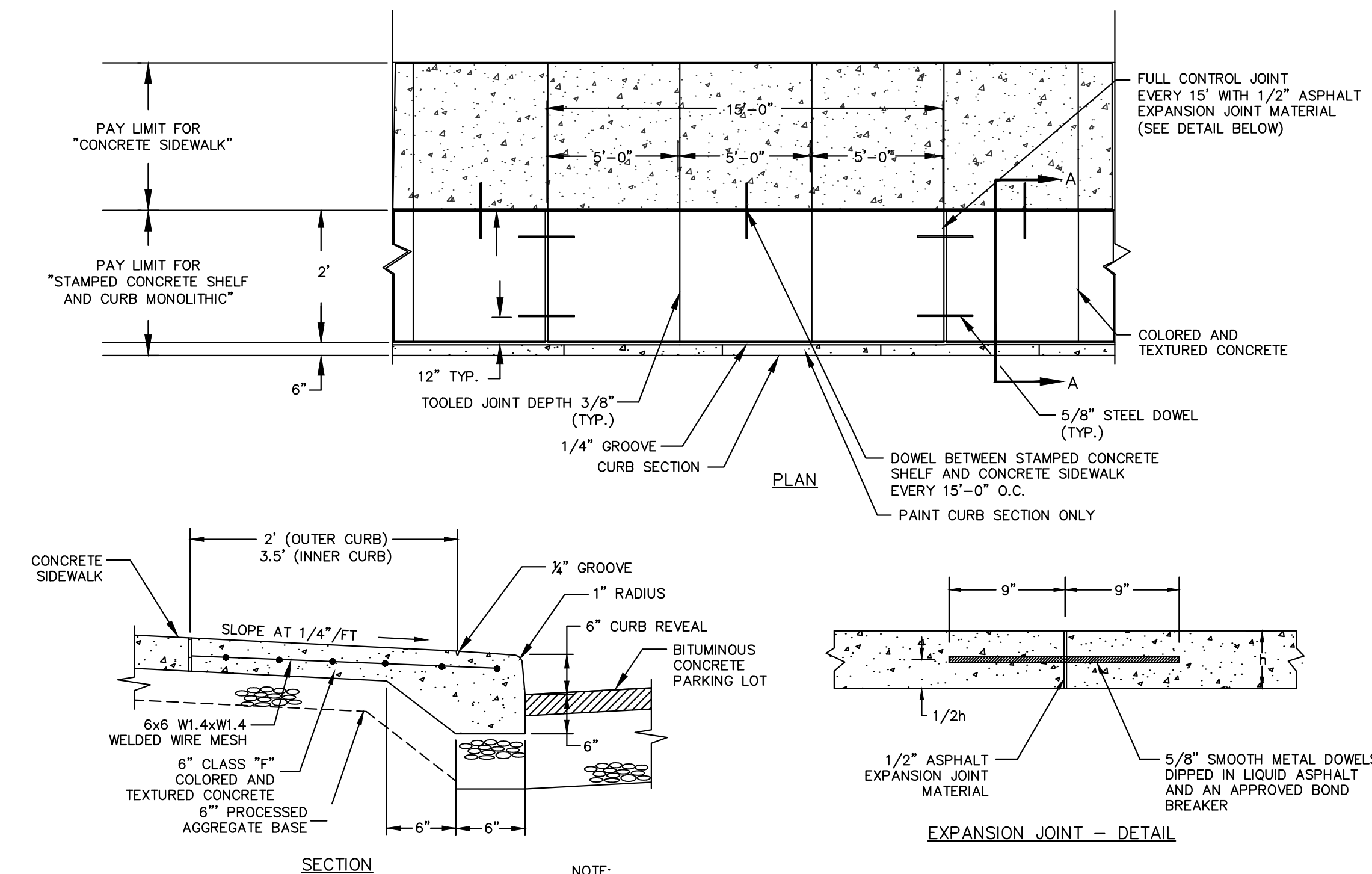
5" CONCRETE SIDEWALK AND CURB MONOLITHIC
NOT TO SCALE



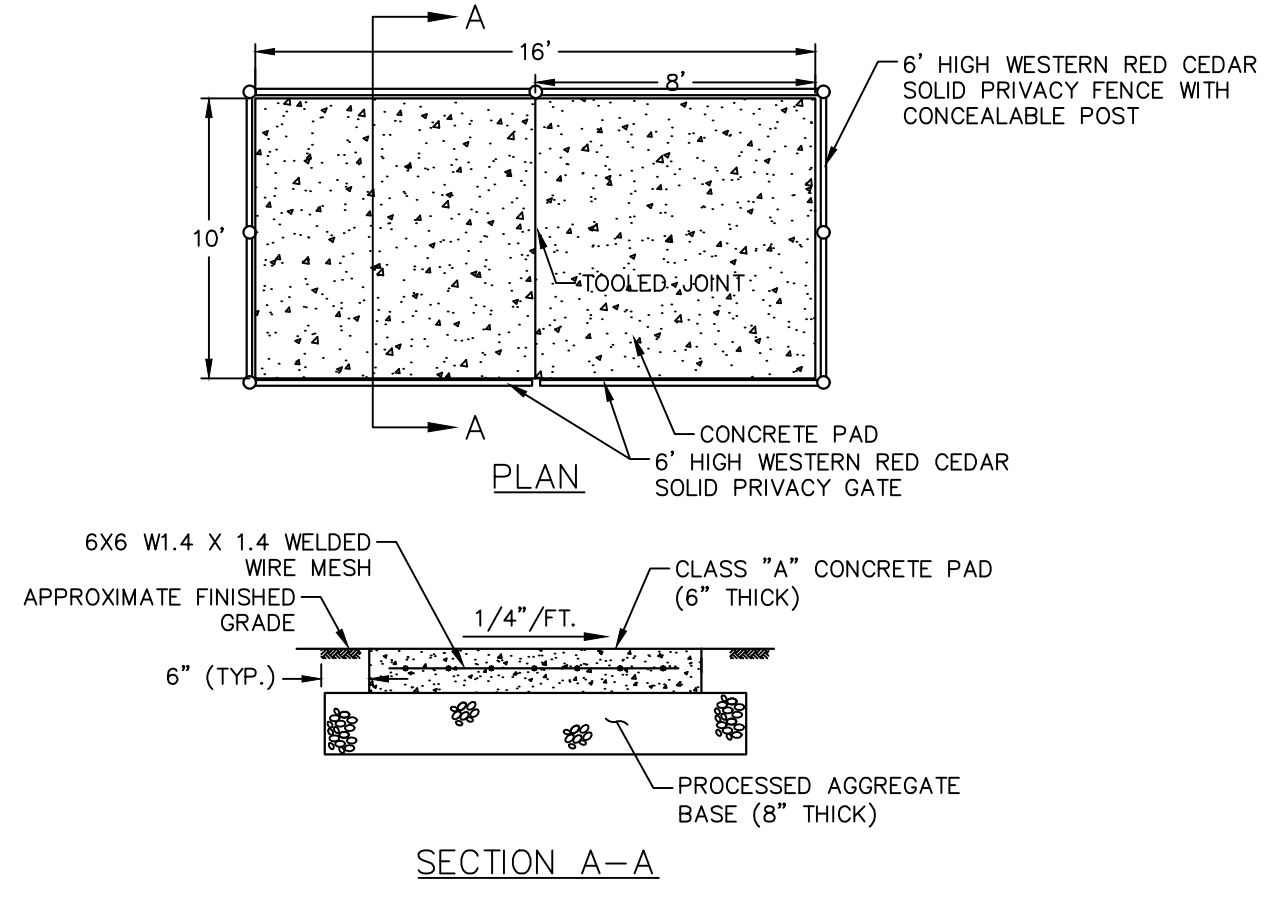
BITUMINOUS CONCRETE SIDEWALK
NOT TO SCALE



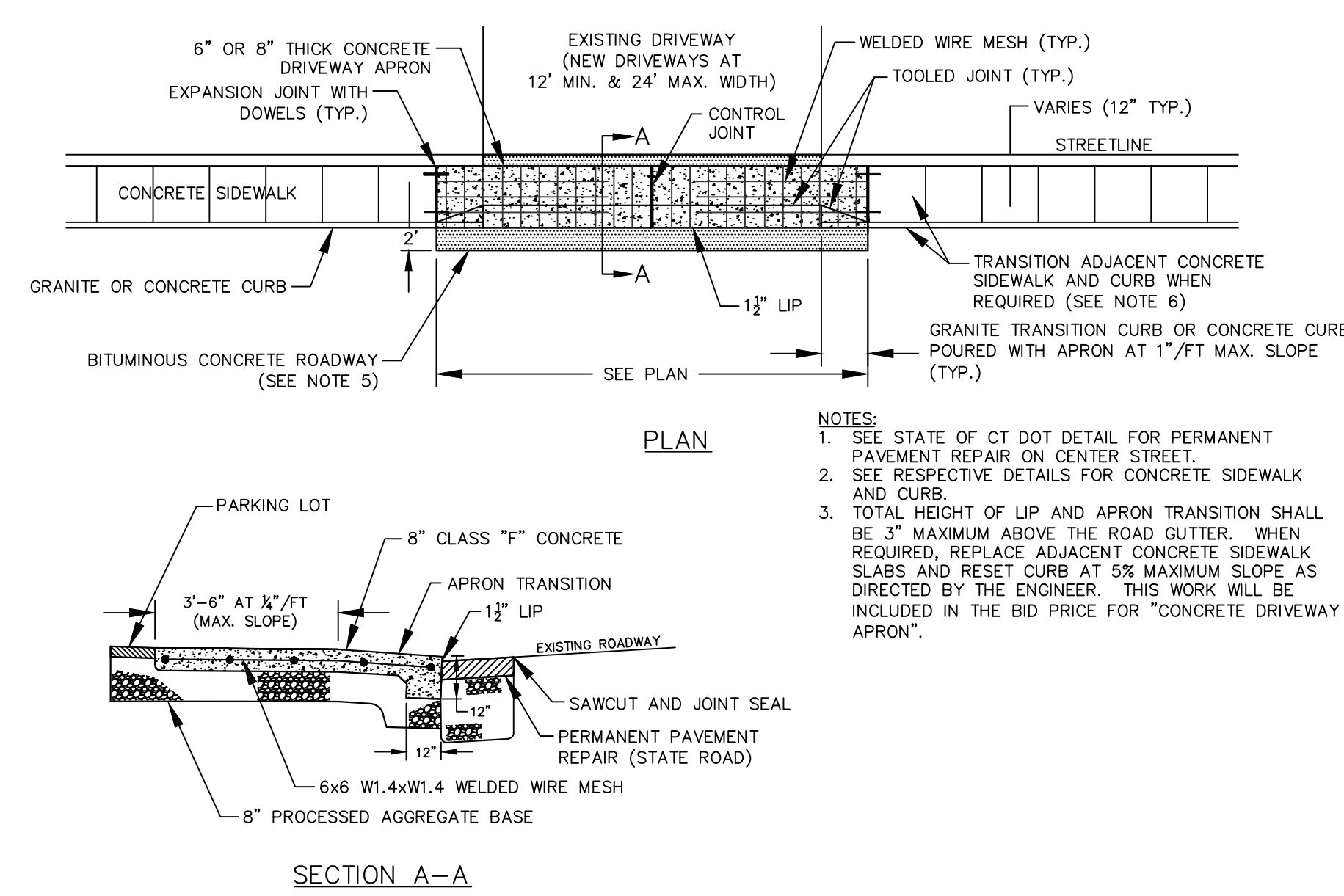
STAMPED CONCRETE
NOT TO SCALE



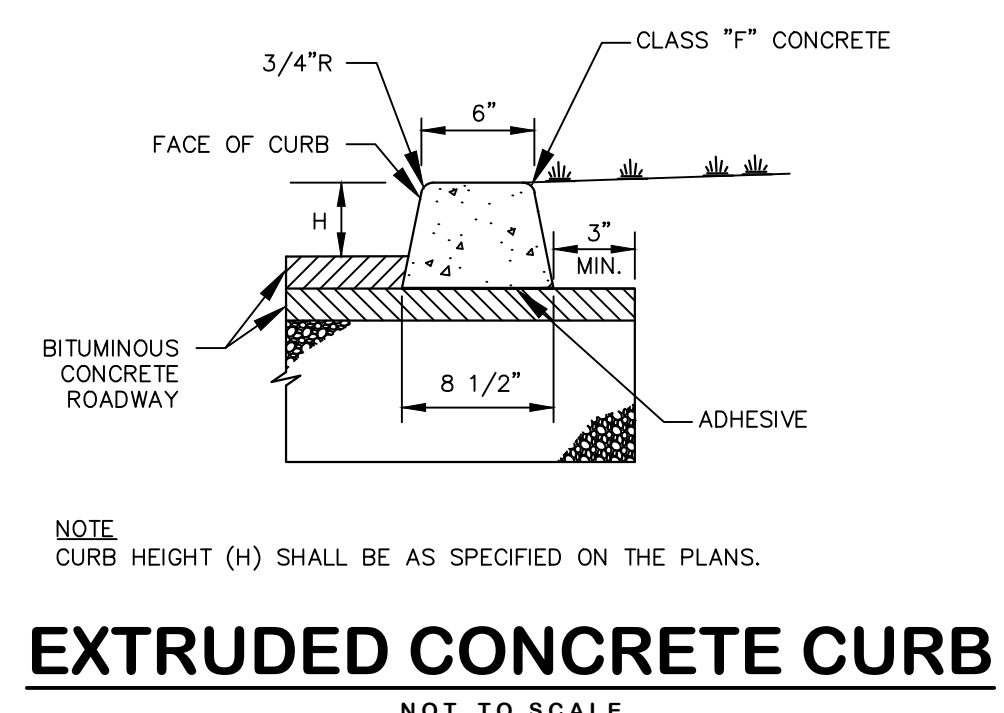
STAMPED CONCRETE SHELF WITH MONOLITHIC CURB
NOT TO SCALE



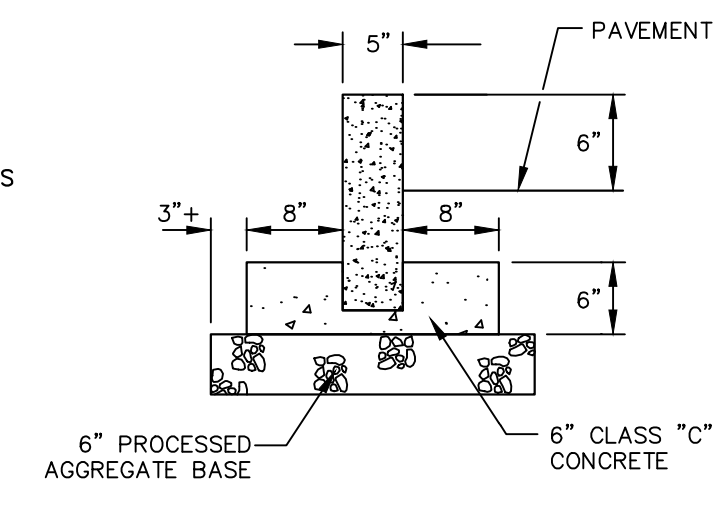
CONCRETE DUMPSTER PAD WITH FENCE ENCLOSURE
NOT TO SCALE



CONCRETE DRIVEWAY APRON
NOT TO SCALE



EXTRUDED CONCRETE CURB
NOT TO SCALE



RADIUS GRANITE CURB
NOT TO SCALE

GRANITE CURB NOTES:
1. MINIMUM LENGTH OF GRANITE CURB IS 4'-0".
2. GRANITE CURB SHALL BE FINISH-SAWN TOP AND SPLIT FACE JOINTED.
3. ALL GRANITE CURB JOINTS SHALL BE SET IN 6" OF CLASS "C" CONCRETE AND MORTAR SHALL BE APPLIED ALONG THE HEIGHT AND WIDTH OF ALL ABUTTING CURB FACES.
4. GRANITE CURB WITH A RADIUS OF 100" OR LESS SHALL BE BUILT OF RADIUS GRANITE CURB AND SET IN 6" OF CONCRETE ALONG THE ENTIRE LENGTH.
5. STRAIGHT AND RADIUS GRANITE CURB SHALL BE USED FOR TRANSITION CURB AT DRIVEWAYS AND SIDEWALK RAMPS WHERE APPLICABLE.



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

—	WETLANDS BOUNDARY	☆	LIGHT POLE
—	RETAINING WALL	⊗	CONIFEROUS TREE
—	STONE WALL	⊗	DECIDUOUS TREE
—	STOCKPILE FENCE	⊗	SANITARY MANHOLE
—	WIRE FENCE	⊗	DRAINAGE MANHOLE
—	CHAIN LINK FENCE	⊗	CATCH BASIN
—	PROPERTY LINE	⊗	OUTLET END
—	RAILROAD TRACKS	⊗	WYHANT
—	SILT FENCE	⊗	CURB STOP
—	CONCRETE MONUMENT	⊗	WATER VALVE
—	GRANITE MONUMENT	⊗	BUTTERFLY VALVE
—	IRON PIPE	⊗	BLOW OFF
—	IRON ROD	⊗	SIGN
—	CONTROL POINT	⊗	DOUBLE POST SIGN
—	DRILL HOLE	⊗	MAIL BOX
—	UTILITY POLE	⊗	ROLLARD
—	UTILITY POLE WITH LIGHT	⊗	GAS GATE
—	TRAFFIC SPAN POLE	⊗	CONTROLLER CABINET
—	ELECTRIC BOX	⊗	GAS GATE
—	WETLAND FLAG	⊗	TELEPHONE BOX
—		⊗	CATV TUBE

PROJECT NUMBER
2017062

FILENAME
2017062-PLAN.DWG

NO.	DATE	FILE
—	06/16/23	BID DOCUMENTS

DRAWN BY: JL
CHECKED BY:
RELEASED BY: TB

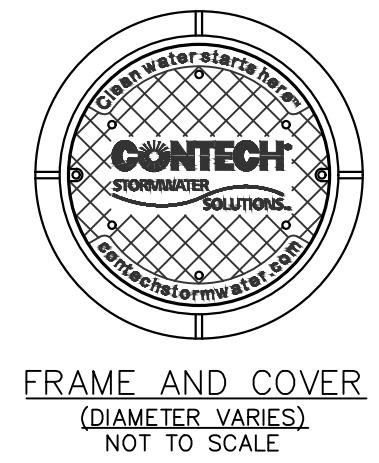
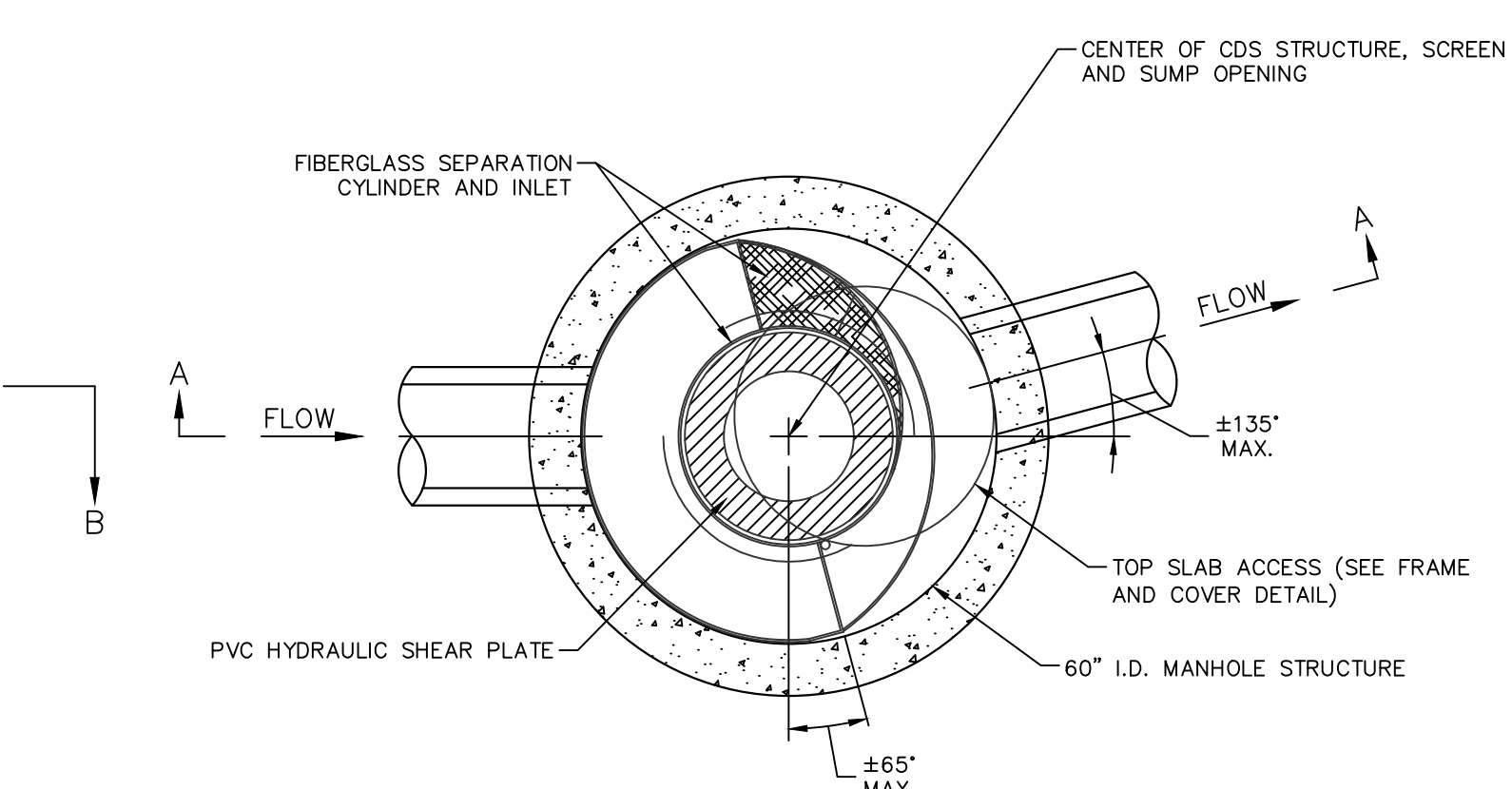
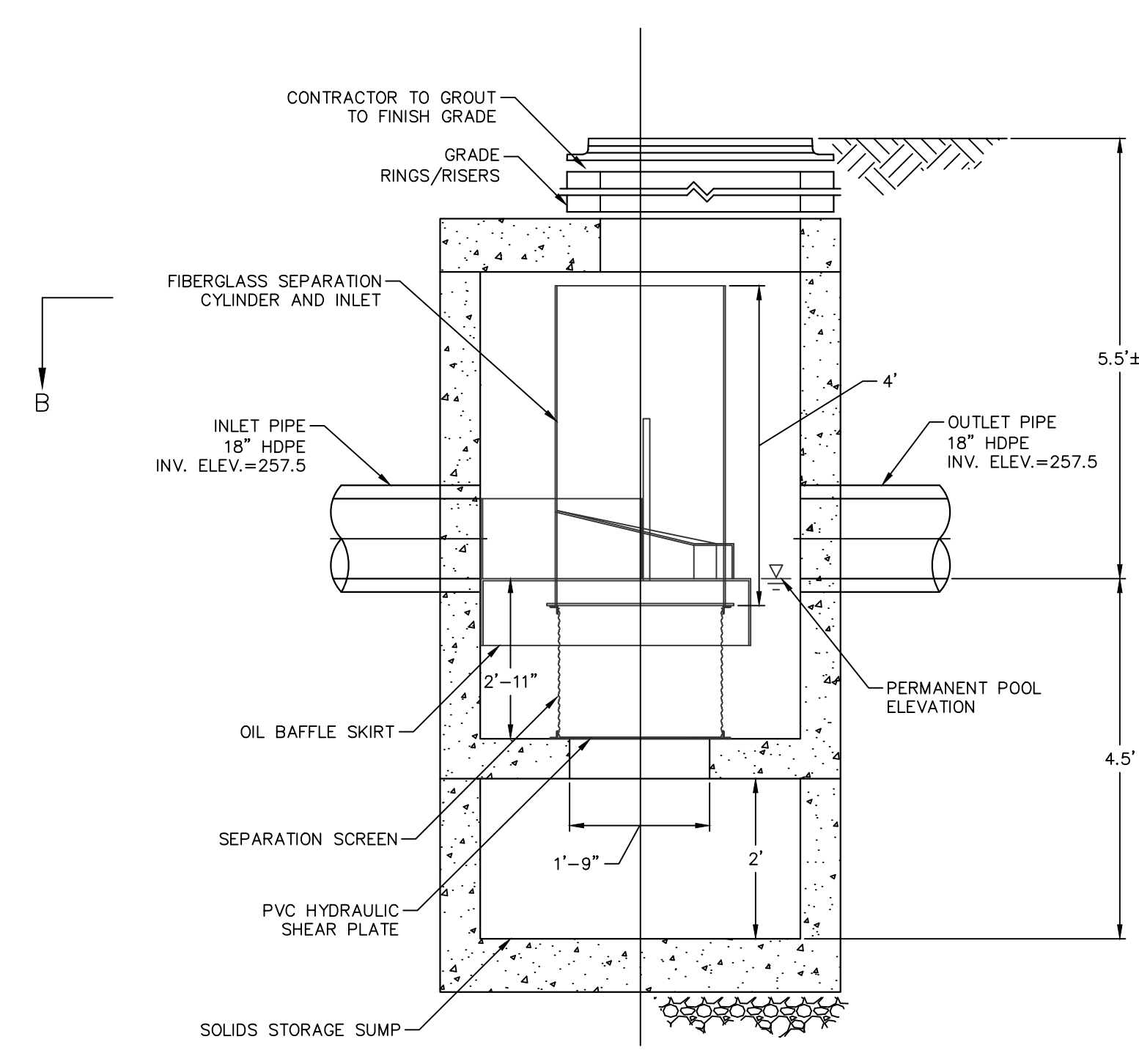
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**41-75 CENTER STREET
MANCHESTER, CT**

PROJECT TITLE
**TOWN HALL
PARKING LOT
IMPROVEMENTS**

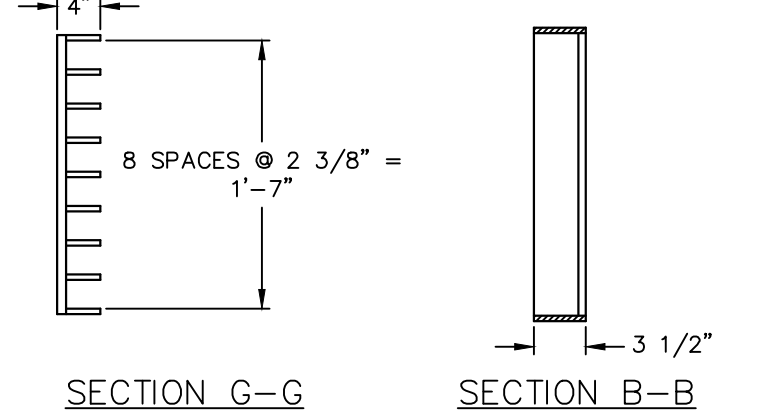
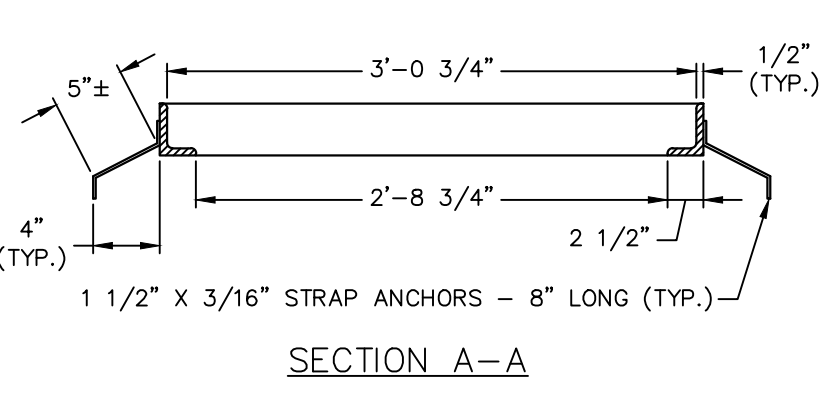
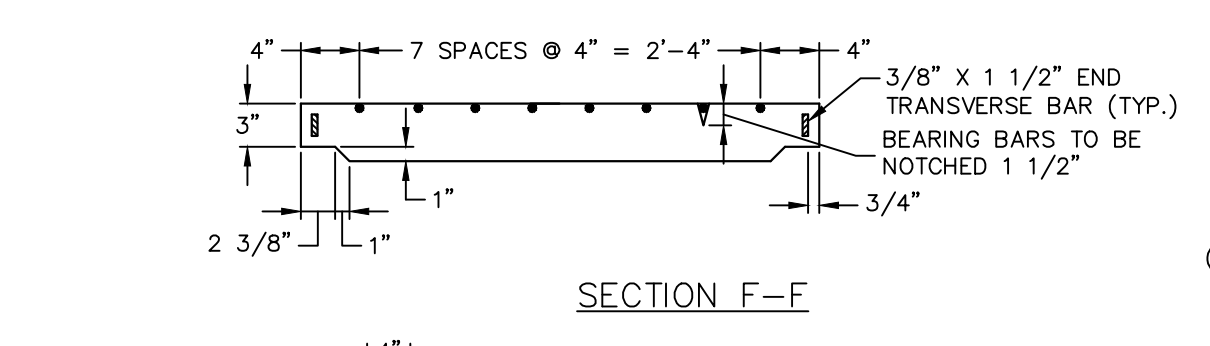
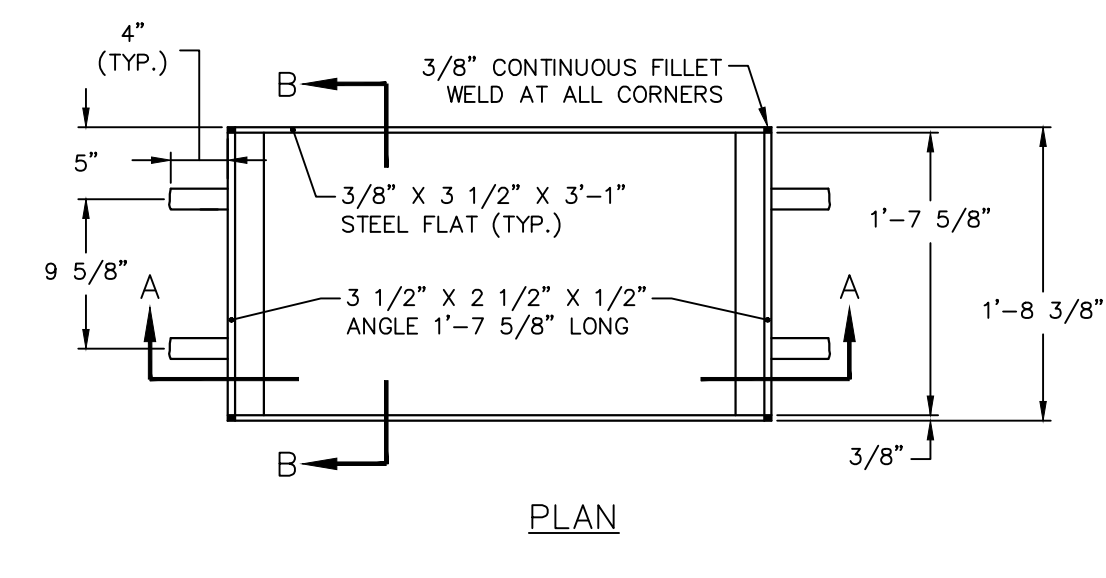
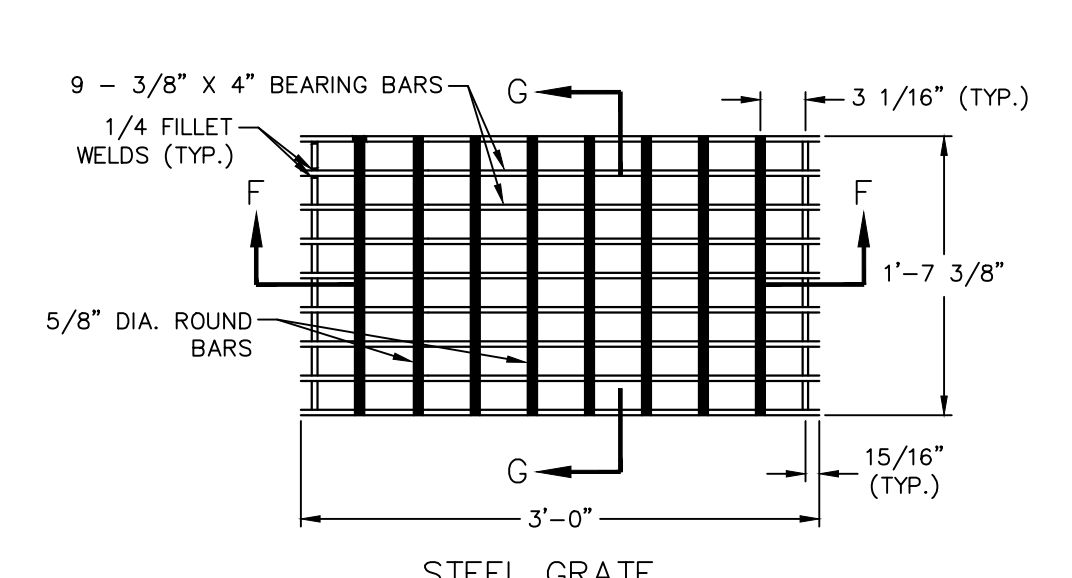
SHEET TITLE
DETAILS

SHEET NUMBER
16 of 20



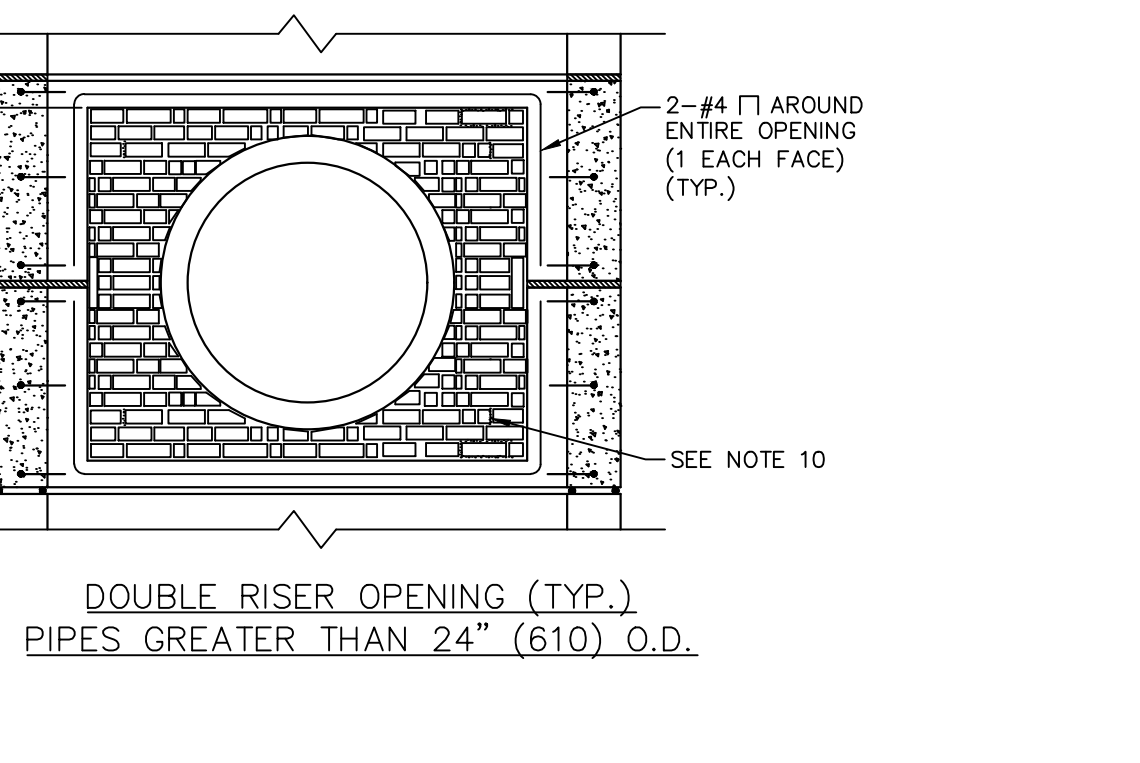
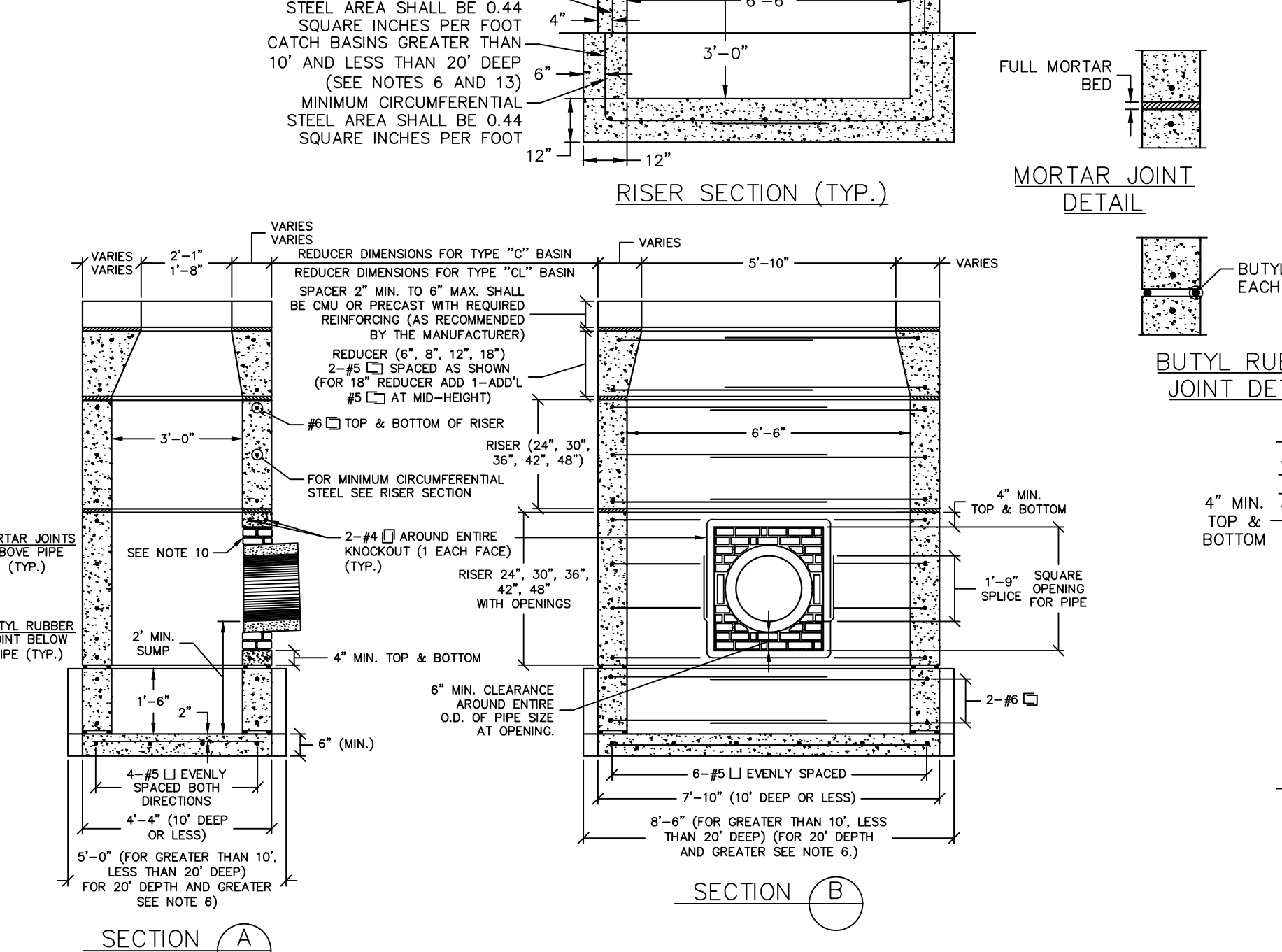
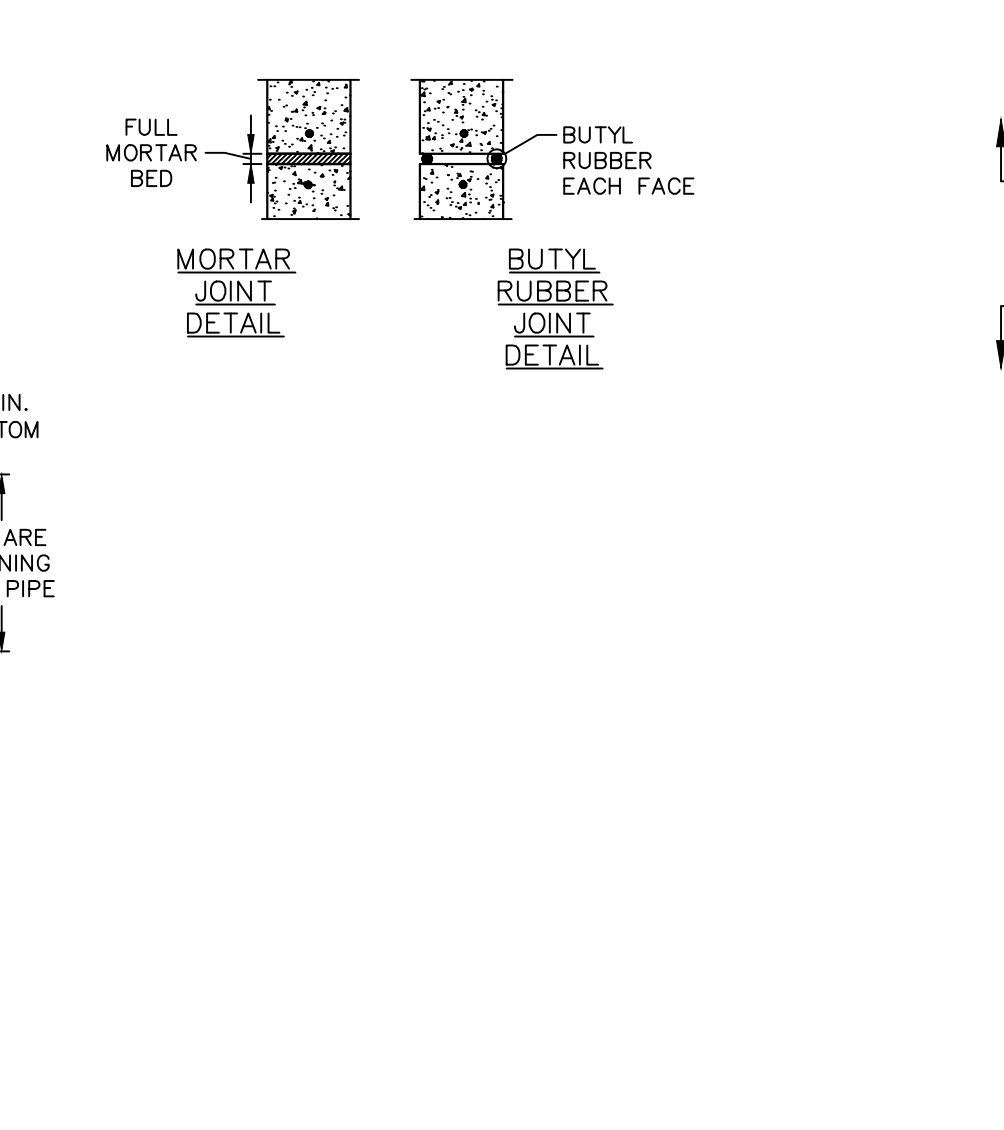
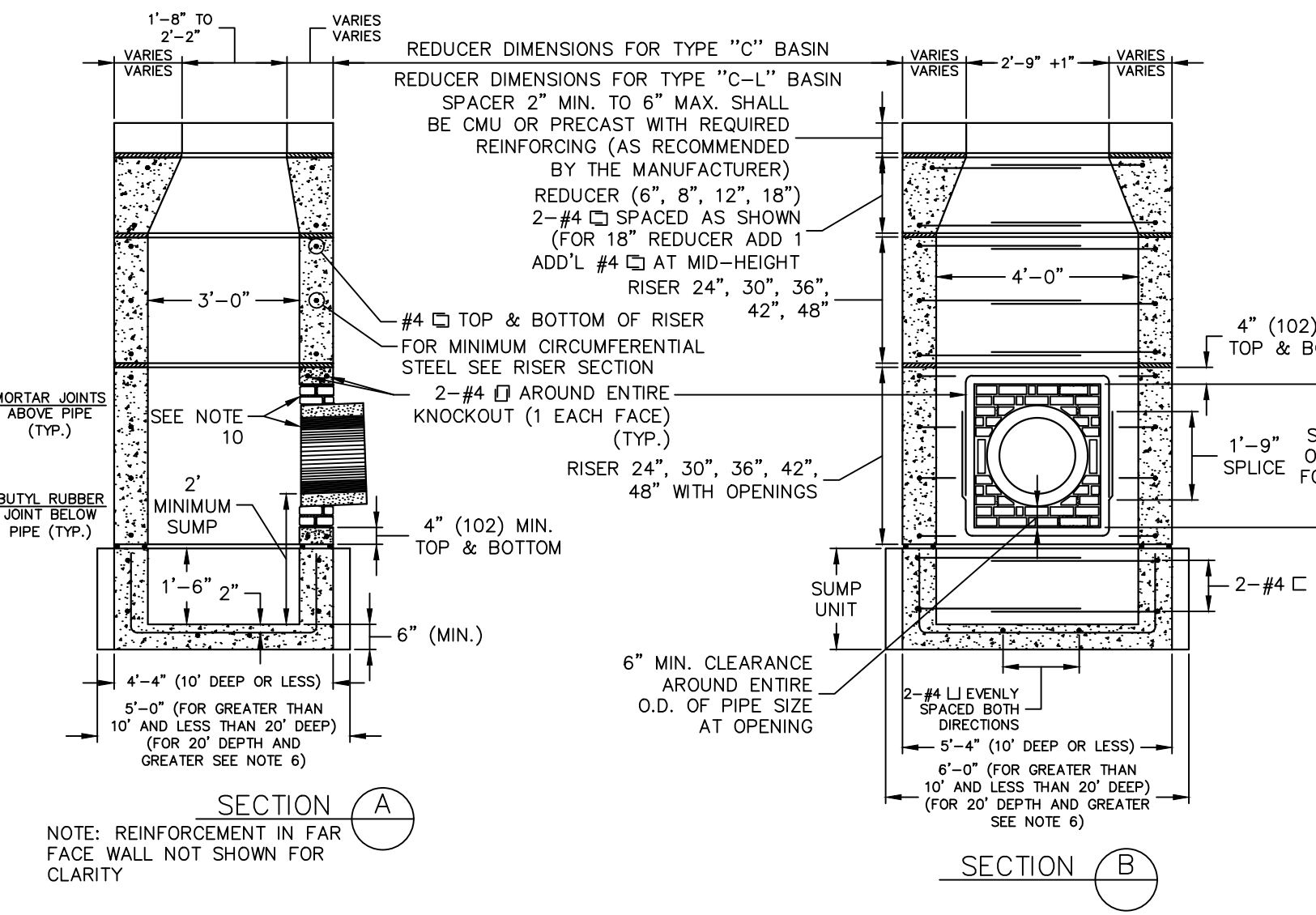
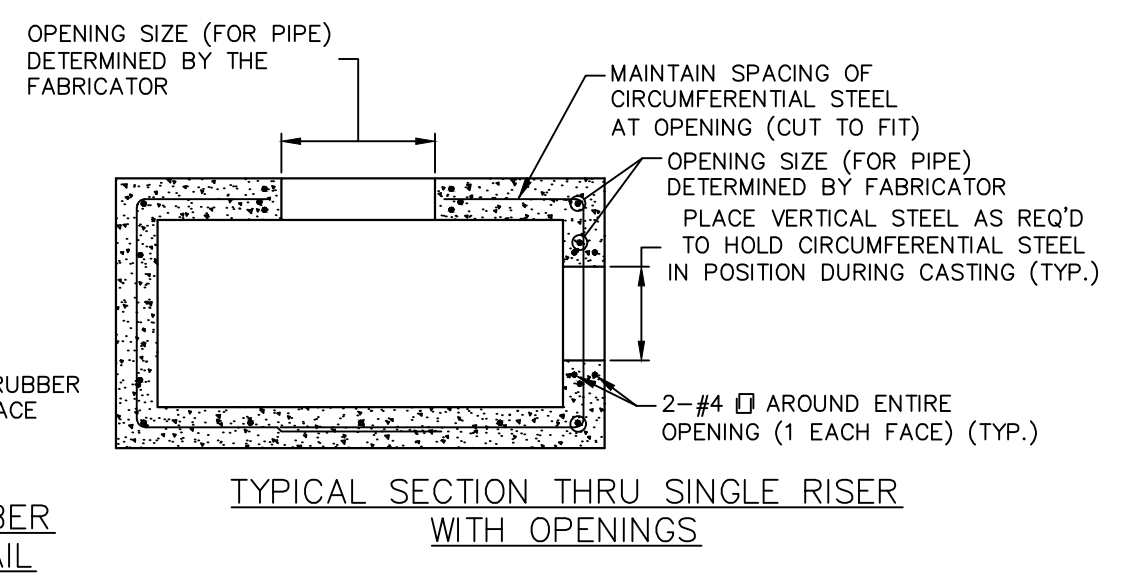
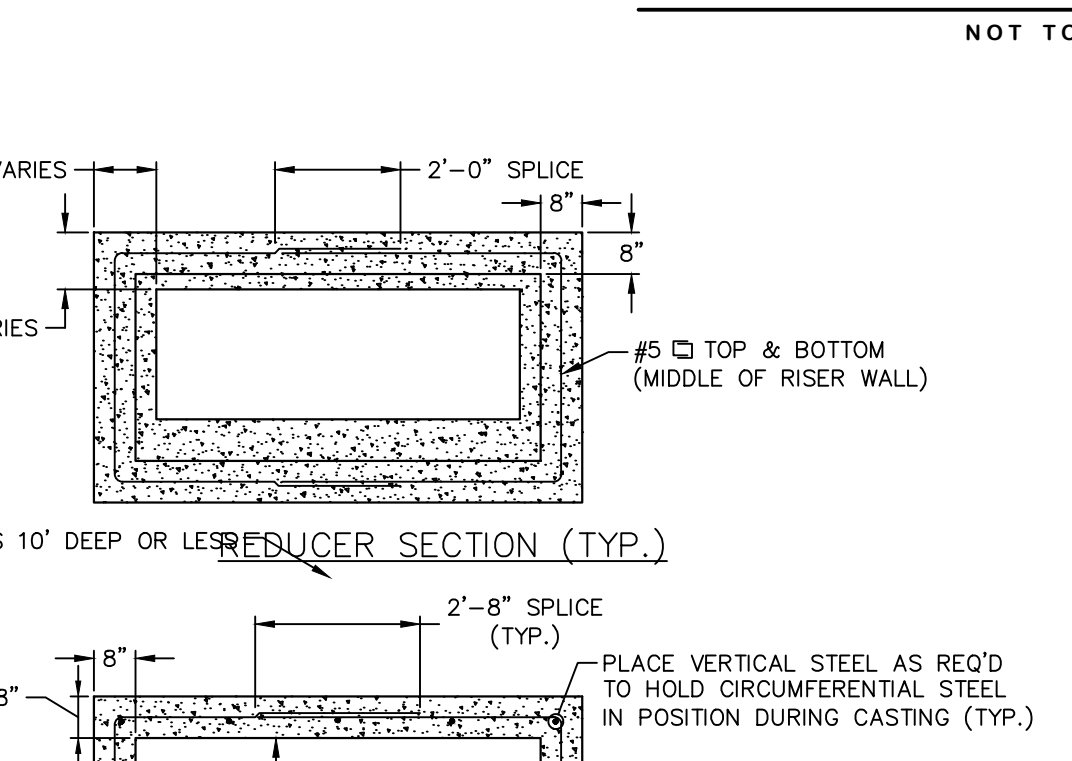
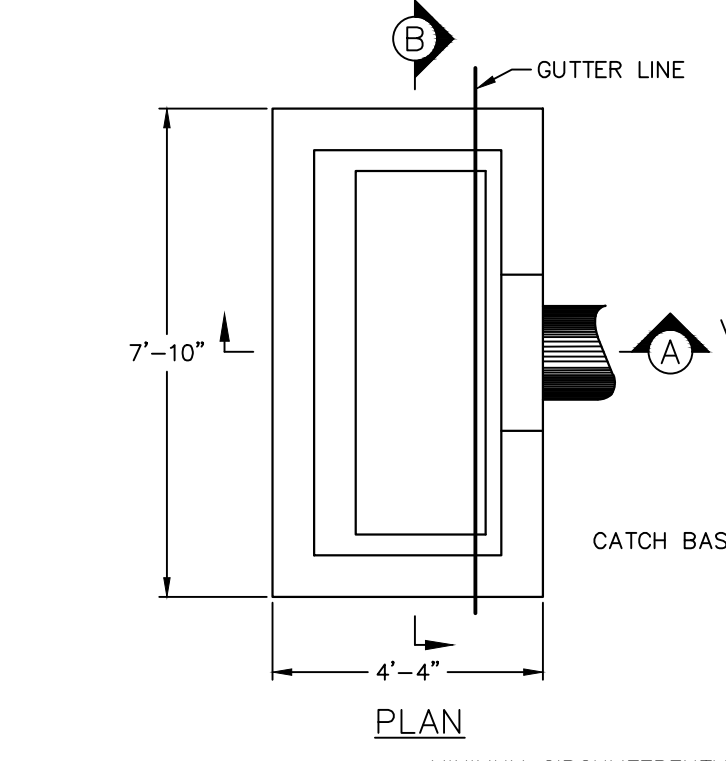
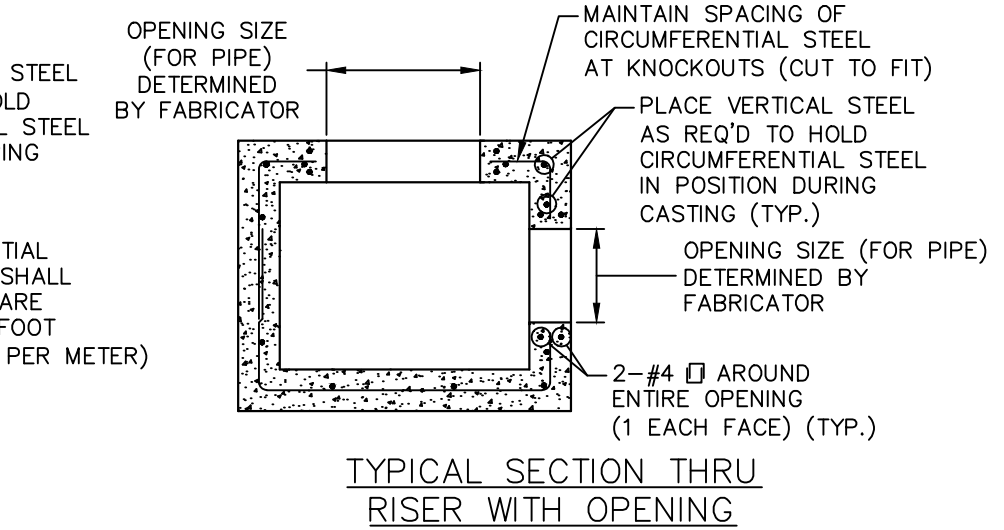
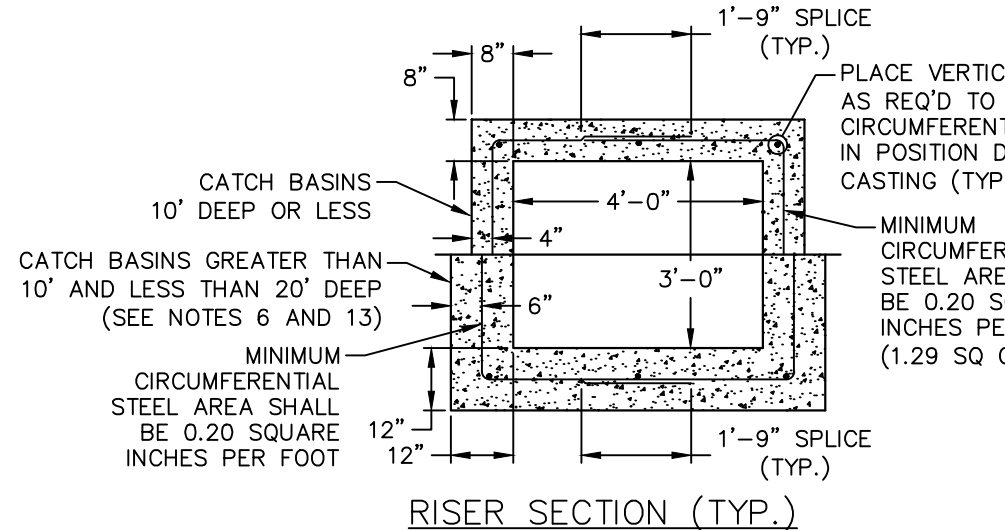
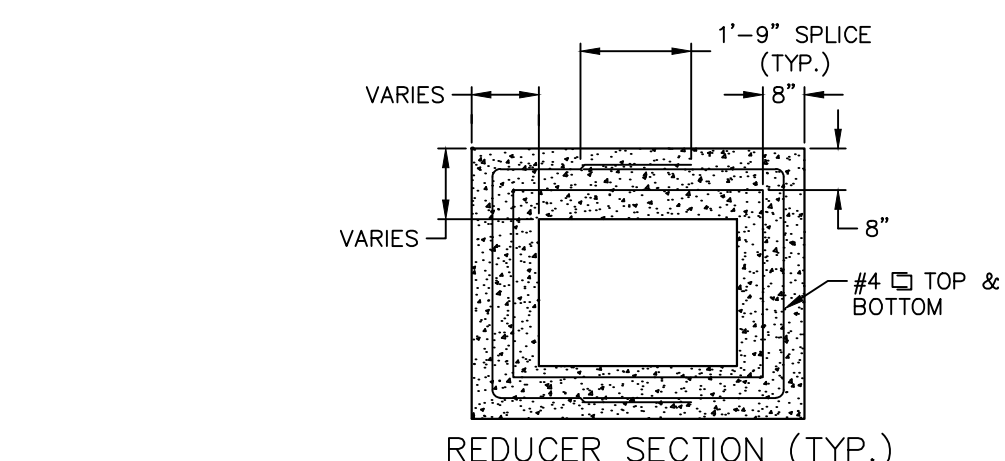
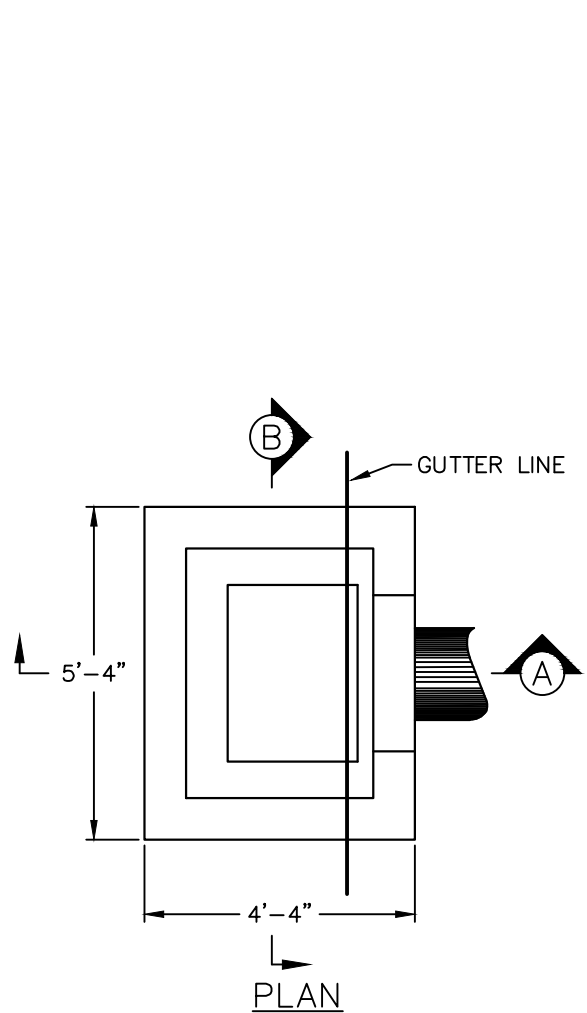
FRAME AND COVER
(DIAMETER VARIES)
NOT TO SCALE

**CDS STORMWATER TREATMENT SYSTEM
MODEL CDS 2025-5-C
(PAY ITEM: "HYDRODYNAMIC SEPARATOR")**
NOT TO SCALE



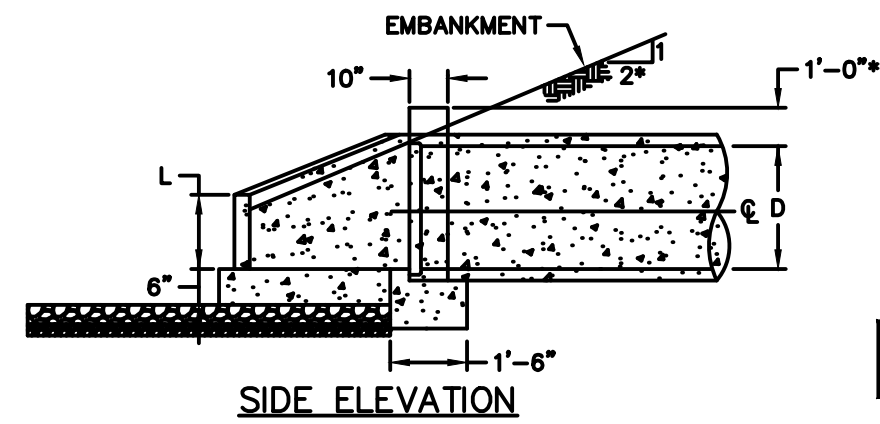
STEEL FRAME AND GRATE
NOT TO SCALE

NOTES:
1. ALL BARS SHALL BE WELDED AT ALL INTERSECTIONS.
2. FRAMES AND GRATES SHALL BE GALVANIZED IN ACCORDANCE WITH THE LATEST STATE OF CONNECTICUT SPECIFICATIONS MATERIAL SECTION M.06.03.



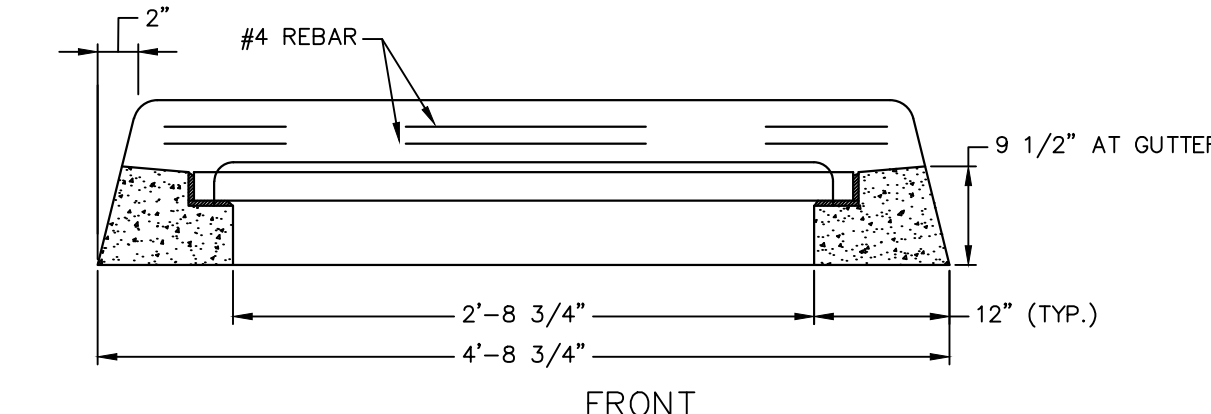
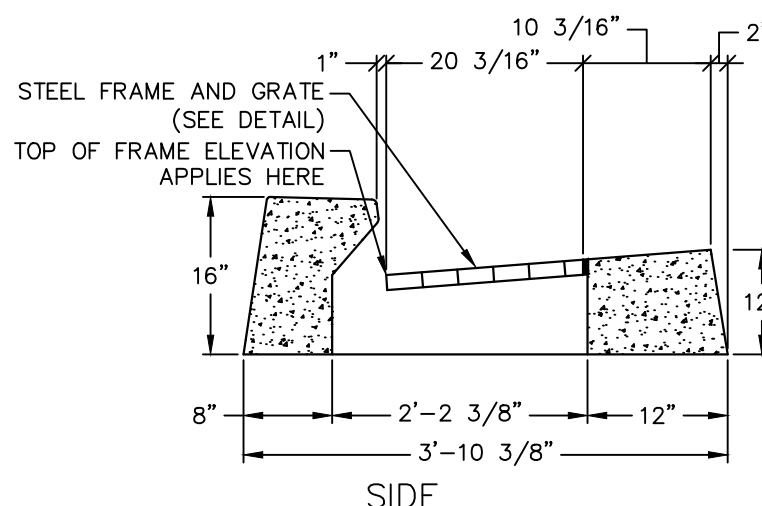
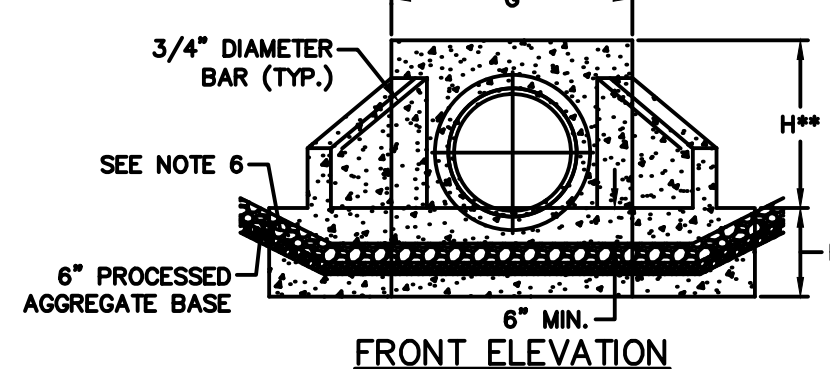
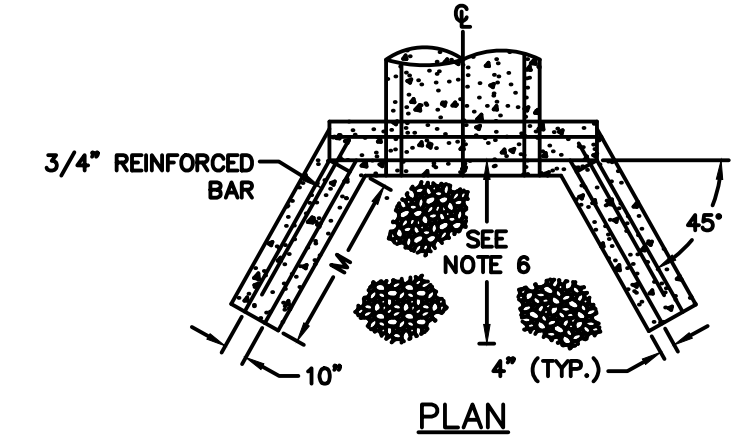
TYPE "C" AND "C-L" DOUBLE GRATE TYPE II CATCH BASIN
NOT TO SCALE

TYPE "C" AND TYPE "C-L" CATCH BASIN
NOT TO SCALE



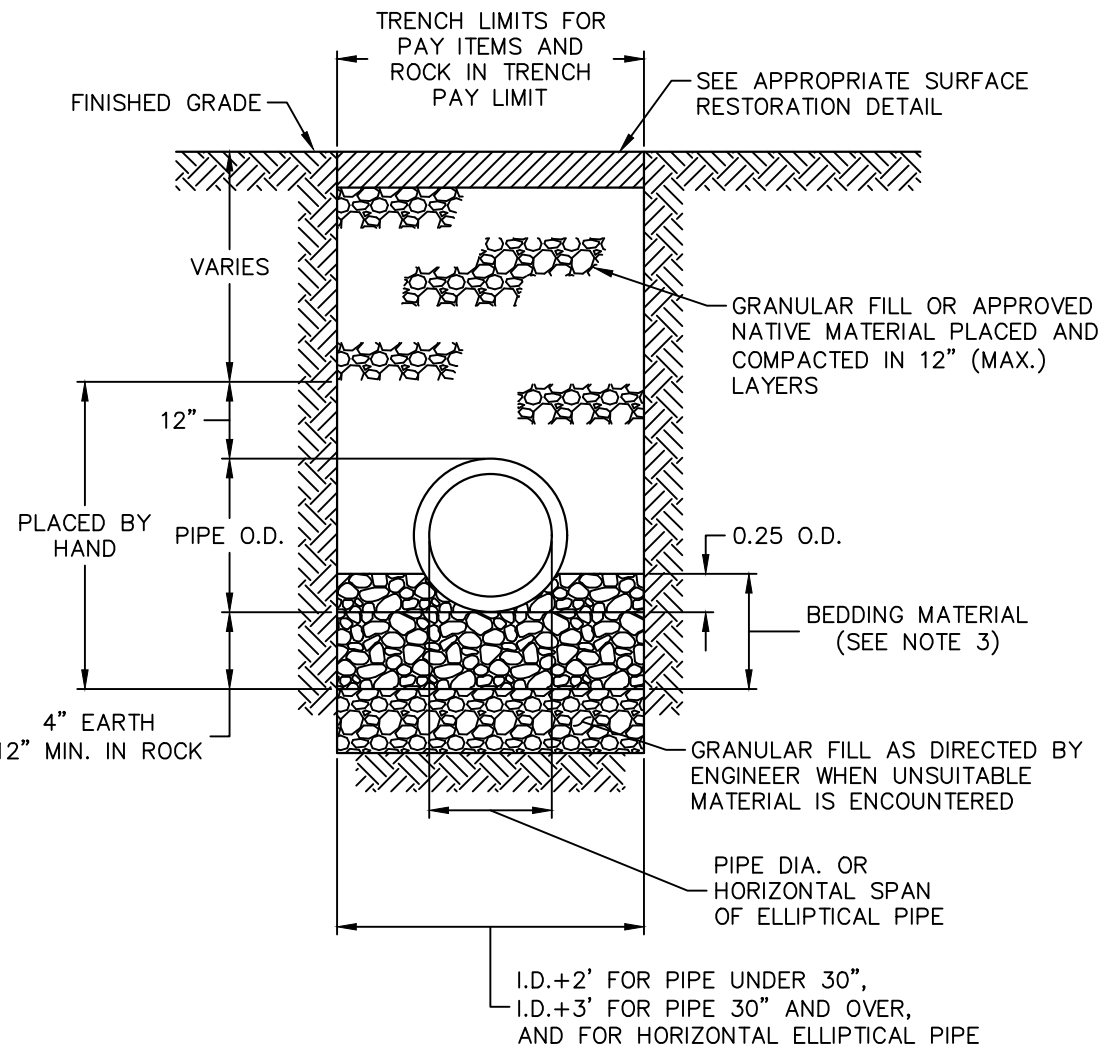
DIMENSIONS AND QUANTITIES							
D	H**	G	L	M	F	VOL.	
INS.	FT. & INS.	FT. & INS.	FT. & INS.	FT. & INS.	FT. & INS.	FT. & INS.	CU. YD.
15**	2'-3"	3'-7"	1'-0"	3'-3"	1'-6"		0.7
18**	2'-6"	3'-10"	1'-2"	3'-6"	1'-6"		0.8
24**	3'-0"	4'-4"	1'-5"	4'-0"	2'-0"		1.2
30"	3'-6"	4'-10"	1'-9"	4'-6"	2'-0"		1.5

* FOR EMBANKMENT SLOPES 4:1 OR LESS, PRECAST FLARED END SECTION MAY BE INSTALLED IN PLACE OF CONCRETE WINGWALLS FOR ALL PIPES 24" IN DIA. OR LESS WITH THE APPROVAL OF THE ENGINEER.
 ** MINIMUM DIMENSION PROVIDED, ACTUAL HEIGHT WILL BE BASED ON FIELD CONDITIONS



NOTES:
 1. CONCRETE TOP SHALL BE CAST TO MATCH ADJACENT CONCRETE CURB.
 2. CATCH BASIN TOP DIMENSIONS PROVIDED ARE APPROXIMATE. ACTUAL DIMENSIONS ARE SUBJECT TO APPROVAL BY THE TOWN.

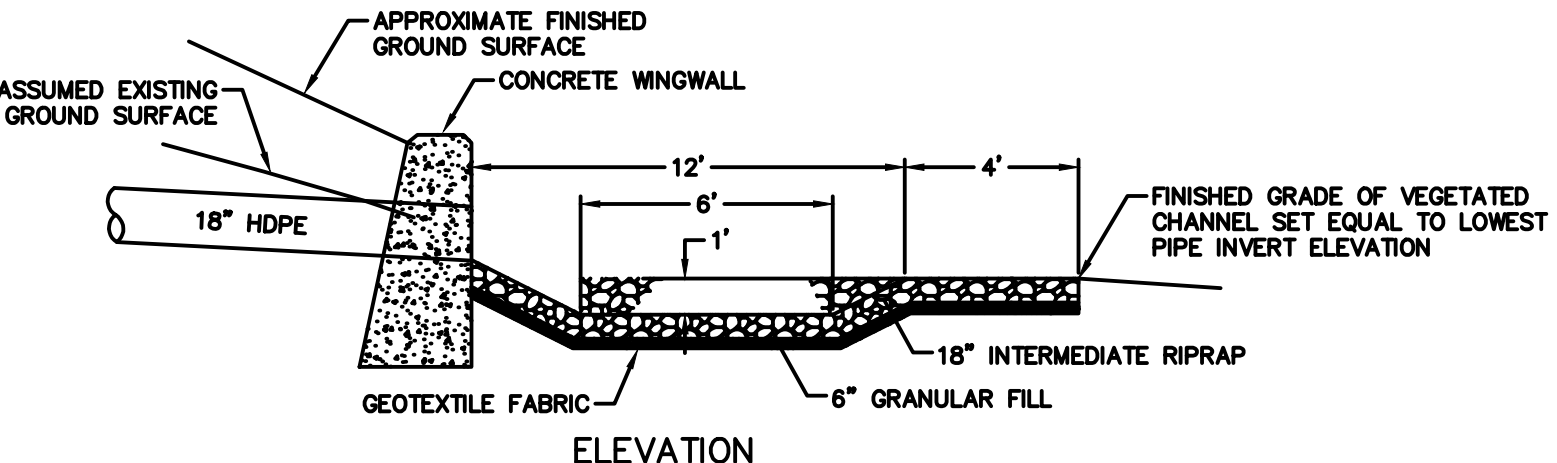
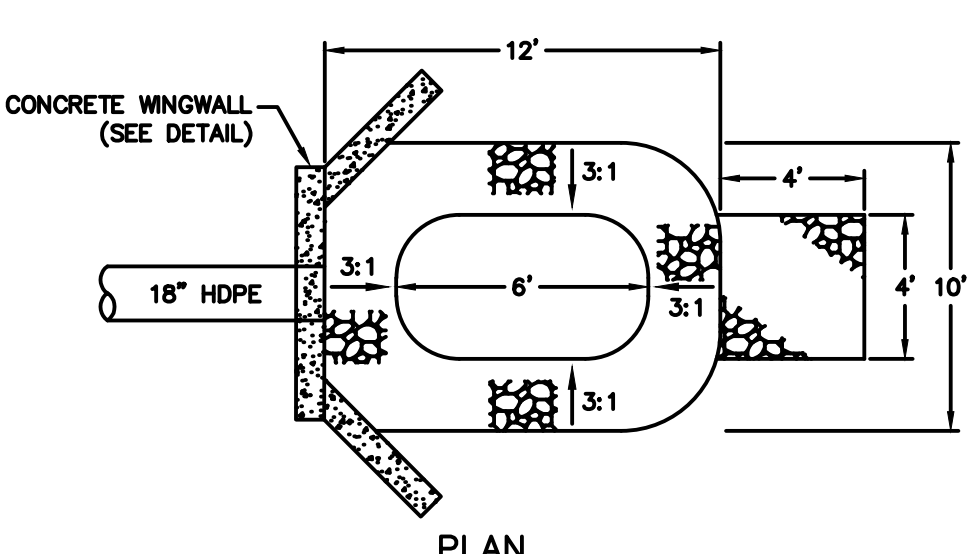
TYPE "C" CATCH BASIN TOP
 (FOR CONCRETE CURB)
 NOT TO SCALE



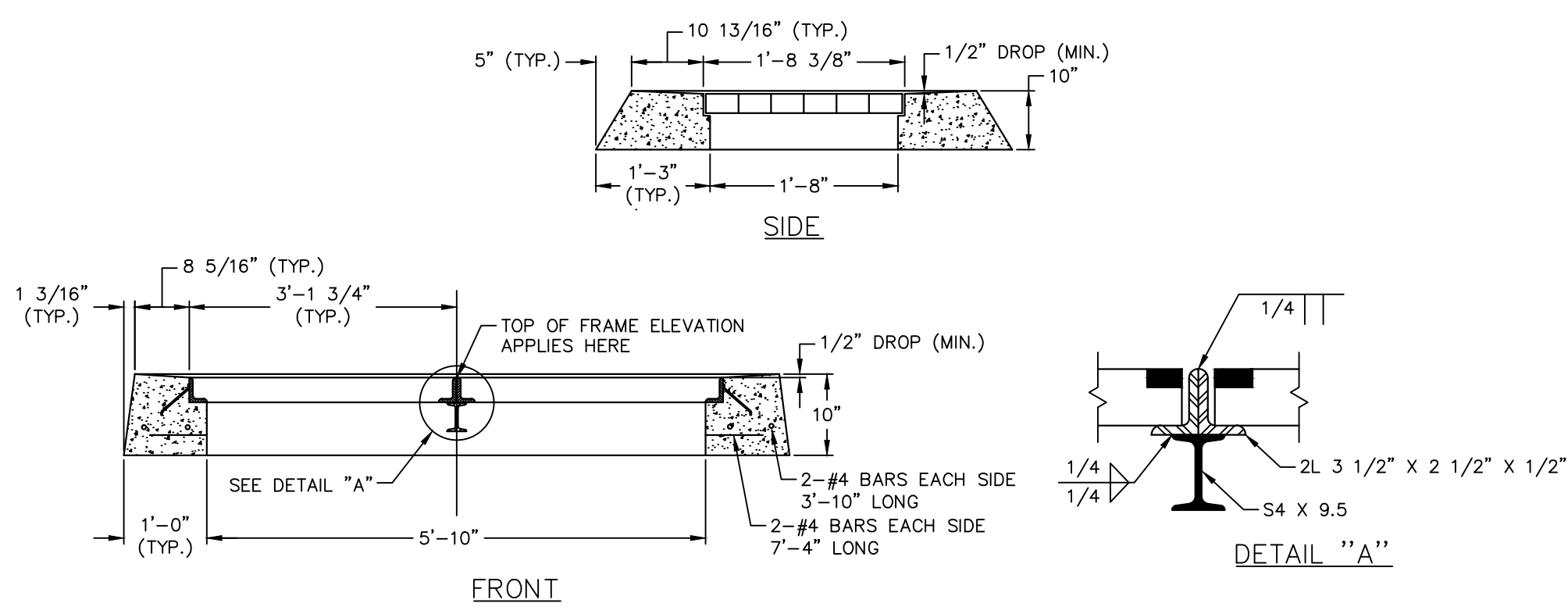
NOTES:
 1. ALL CONCRETE PIPE TO BE MINIMUM CLASS IV WITH 2 FT OF COVER UNLESS OTHERWISE APPROVED BY THE ENGINEER.
 2. USE WATER TIGHT RUBBER GASKETS IN ALL PIPE JOINTS.
 3. BEDDING MATERIAL SHALL BE INSTALLED A MINIMUM OF 12" ABOVE THE TOP OF ALL PLASTIC PIPES AND PIPES 48" IN DIAMETER AND LARGER.
 4. EXCAVATION, BEDDING MATERIAL AND BACKFILL ARE INCLUDED IN CONTRACT UNIT PRICE BID FOR "CULVERT" OF THE TYPE SPECIFIED.

TYPICAL TRENCH DETAIL
 (STORM SEWER)
 NOT TO SCALE

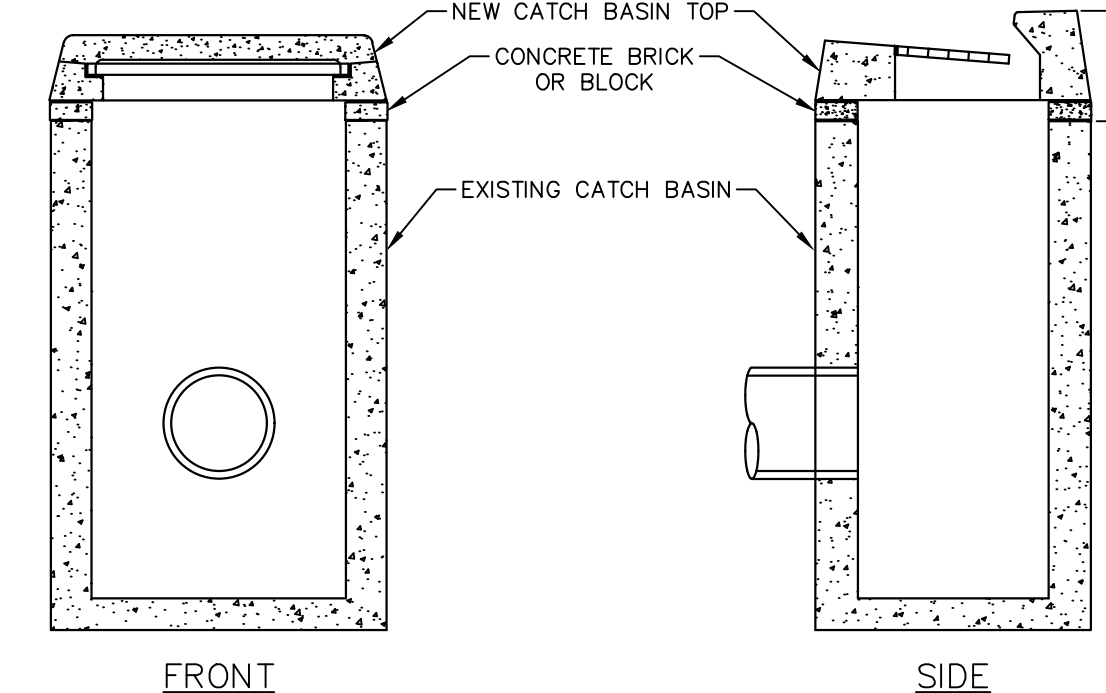
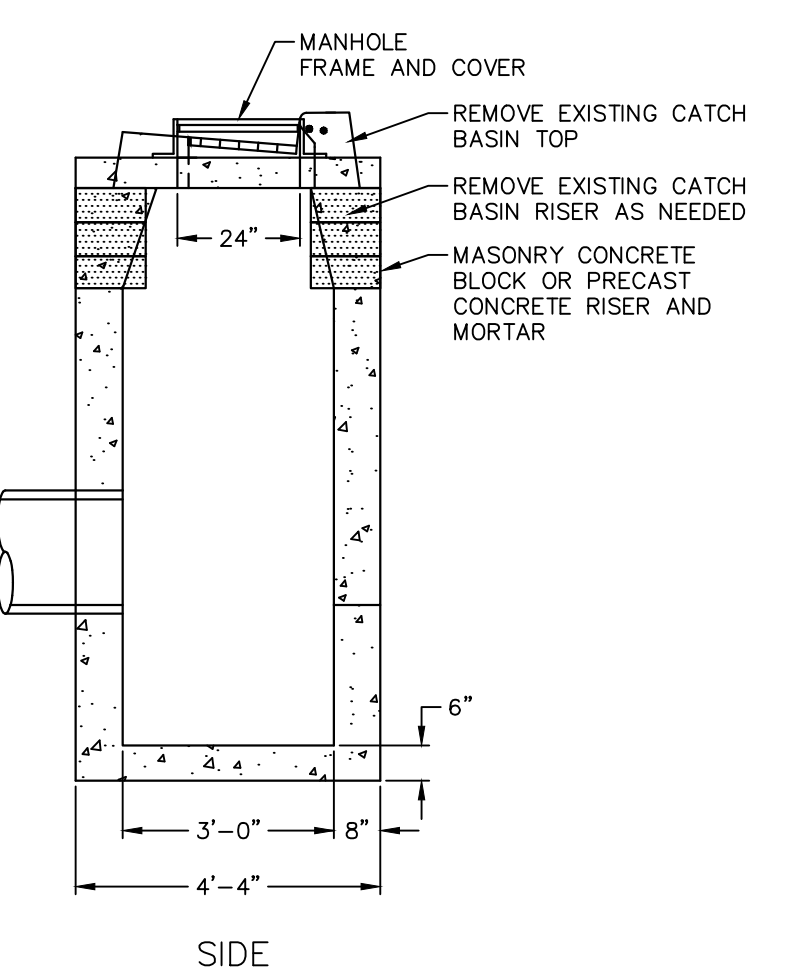
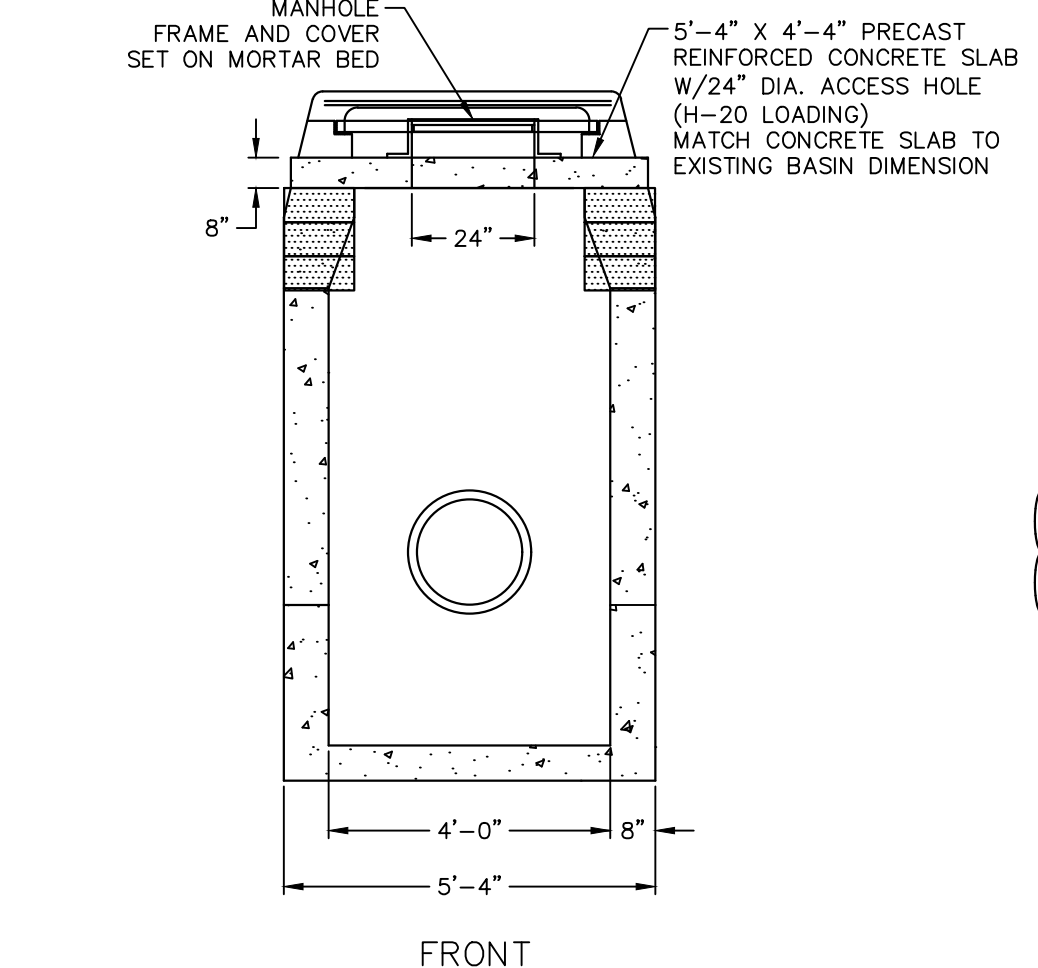
CONCRETE WINGWALLS
 (FOR PIPES LESS THAN OR EQUAL TO 30" DIAMETER)
 NOT TO SCALE



PREFORMED SCOUR HOLE - TYPE 1
 (PAY ITEM: "INTERMEDIATE RIPRAP")
 NOT TO SCALE

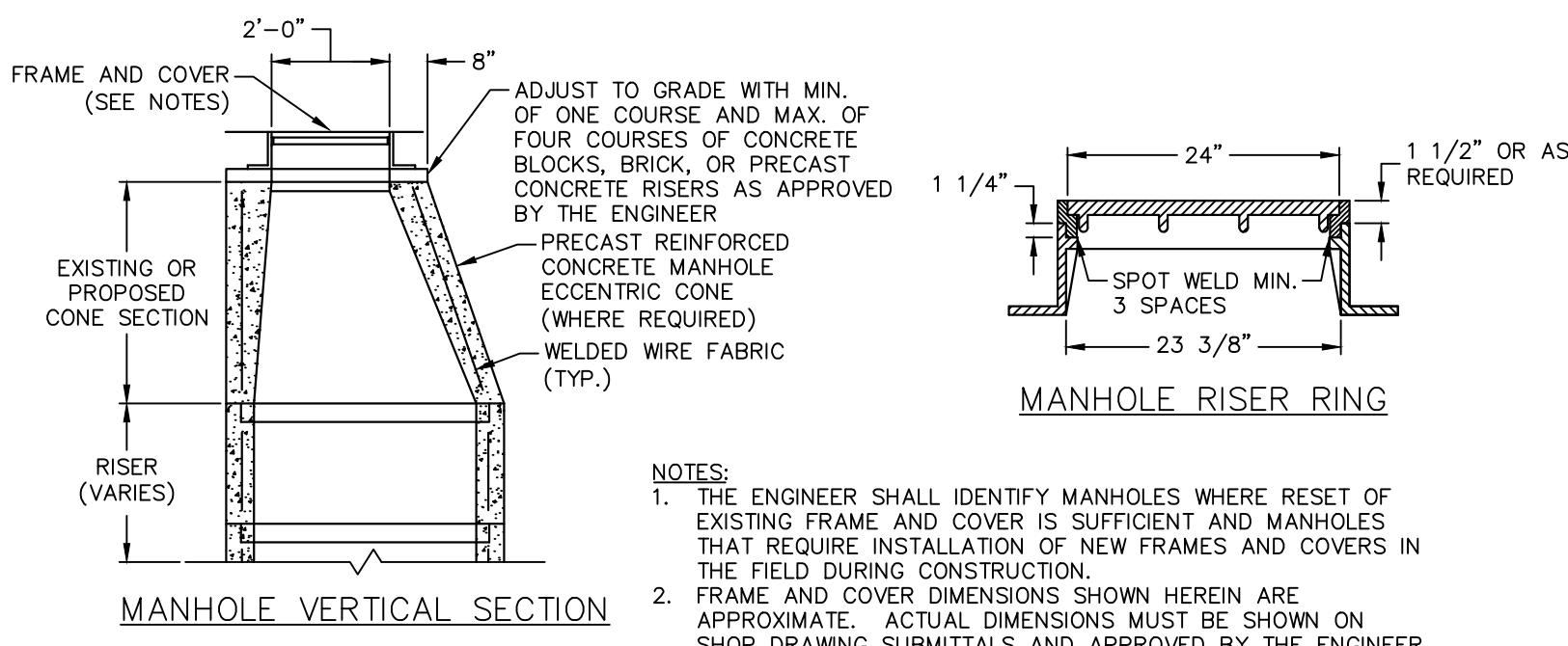


TYPE "C-L" DOUBLE TYPE II CATCH BASIN TOP
 NOT TO SCALE



GENERAL DESCRIPTION OF WORK:
 1. SAWCUT AND REMOVE EXISTING BITUMINOUS CONCRETE PAVEMENT AND BASE MATERIAL AROUND CATCH BASIN TOP.
 2. REMOVE EXISTING CATCH BASIN TOP.
 3. PROVIDE AT LEAST ONE ROW OF CONCRETE BRICKS/BLOCKS OR PRECAST CONCRETE RISER (1 1/2" MIN. THICKNESS) TO ADJUST THE NEW CATCH BASIN TOP TO MATCH THE NEW PAVEMENT SURFACE.
 4. SET NEW CATCH BASIN TOP TO GRADE.
 NOTE:
 1. THE ENGINEER MAY REQUIRE THE PARTIAL RECONSTRUCTION OF THE EXISTING VERTICAL CATCH BASIN WALLS BEYOND THE PAY LIMITS SHOWN FOR "RESET CATCH BASIN TOP". THIS WORK WILL BE MEASURED FOR PAYMENT UNDER THE ITEM "RECONSTRUCT CATCH BASIN".

RESET CATCH BASIN TOP
 NOT TO SCALE



NOTES:
 1. THE ENGINEER SHALL IDENTIFY MANHOLES WHERE RESET OF EXISTING FRAME AND COVER IS SUFFICIENT AND MANHOLES THAT REQUIRE INSTALLATION OF NEW FRAMES AND COVERS IN THE FIELD DURING CONSTRUCTION.
 2. FRAME AND COVER DIMENSIONS SHOWN HEREIN ARE APPROXIMATE. ACTUAL DIMENSIONS MUST BE SHOWN ON SHOP DRAWING SUBMITTALS AND APPROVED BY THE ENGINEER.
 3. ALL MANHOLE FRAMES COVERS SHALL BE TEMPORARILY SET FLUSH WITH THE BINDER COURSE OF PAVEMENT. A MANHOLE RISER RING SHALL BE INSTALLED TO RAISE MANHOLE COVER TO FINISHED GRADE PRIOR TO INSTALLATION OF THE FINAL SURFACE COURSE OF PAVEMENT AT NO ADDITIONAL COST TO THE TOWN.

RESET MANHOLE TO GRADE
 NOT TO SCALE

CONVERT CATCH BASIN TO MANHOLE
 NOT TO SCALE

NOTES:
 1. USE CONCRETE BLOCKS OR PRECAST RISER AND THE CONCRETE SLAB TO BRING THE MANHOLE COVER TO GRADE.
 2. TYPE "C" CATCH BASIN TOP IS SHOWN; HOWEVER, DETAIL ALSO APPLIES TO TYPE "C-L" CATCH BASIN TOPS.



TOWN OF MANCHESTER
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION
 494 MAIN STREET - P.O. BOX 191
 MANCHESTER, CT 06045-0191

LEGEND

—	WETLAND BOUNDARY	☆	LIGHT POLE
—	RETAINING WALL	⊗	CONIFEROUS TREE
—	STONE WALL	⊗	DECIDUOUS TREE
—	STOCKADE FENCE	⊗	SANITARY MANHOLE
—	WIRE FENCE	⊗	DRAINAGE MANHOLE
—	CHAIN LINK FENCE	⊗	CATCH BASIN
—	PROPERTY LINE	⊗	CULVERT END
—	SILT FENCE	⊗	HYDRANT
—	RAILROAD TRACKS	⊗	CURB STOP
—	CONCRETE MONUMENT	⊗	WATER VALVE
—	GRANITE MONUMENT	⊗	BUTTERFLY VALVE
—	IRON PIPE	⊗	BLOW OFF
—	IRON ROD	⊗	SIGN
—	CONTROL POINT	⊗	DOUBLE POST SIGN
—	DRILL HOLE	⊗	MAIL BOX
—	UTILITY POLE	⊗	BOLLARD
—	UTILITY POLE WITH LIGHT	⊗	CONTROLLER CABINET
—	TRAFFIC SIGN POLE	⊗	GAS GATE
—	ELECTRIC BOX	⊗	TELEPHONE BOX
—	WETLAND FLAG	⊗	CATV TUBE

PROJECT NUMBER
 2017062

FILENAME
 2017062-PLAN.DWG

NO.	DATE	FILE
—	06/16/23	BID DOCUMENTS

DRAWN BY: JL
 CHECKED BY:
 RELEASED BY: TB

DATUM
 HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
 41-75 CENTER STREET
 MANCHESTER, CT

PROJECT TITLE
 TOWN HALL
 PARKING LOT
 IMPROVEMENTS

SHEET TITLE
 DETAILS

SHEET NUMBER
 17 of 20



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

—	WETLAND BOUNDARY	☆	LIGHT POLE
—	RETAINING WALL	⊗	CONIFEROUS TREE
—	STONE WALL	⊗	DECIDUOUS TREE
—	STOCKADE FENCE	⊗	SANITARY MANHOLE
—	WIRE FENCE	⊗	DRAINAGE MANHOLE
—	CHAIN LINK FENCE	⊗	CATCH BASIN
—	PROPERTY LINE	⊗	HYDRANT
—	RAILROAD TRACKS	⊗	CURB STOP
—	SILT FENCE	⊗	WATER VALVE
□	CONCRETE MONUMENT	⊗	BUTTERFLY VALVE
■	GRANITE MONUMENT	⊗	BLOW OFF
○	IRON PIPE	⊗	SIGN
○	IRON ROD	⊗	DOUBLE POST SIGN
△	CONTROL POINT	⊗	MAIL BOX
●	DRILL HOLE	⊗	BOLLARD
⊗	UTILITY POLE	⊗	CONTROLLER CABINET
⊗	UTILITY POLE WITH LIGHT	⊗	GAS GATE
⊗	ELECTRIC BOX	⊗	TELEPHONE BOX
⊗	WETLAND FLAG	⊗	CATV TUBE

PROJECT NUMBER
2017062

FILENAME
2017062-PLAN.DWG

NO.	DATE	FILE
—	06/16/23	BID DOCUMENTS

DRAWN BY: JL
CHECKED BY:
RELEASED BY: TB

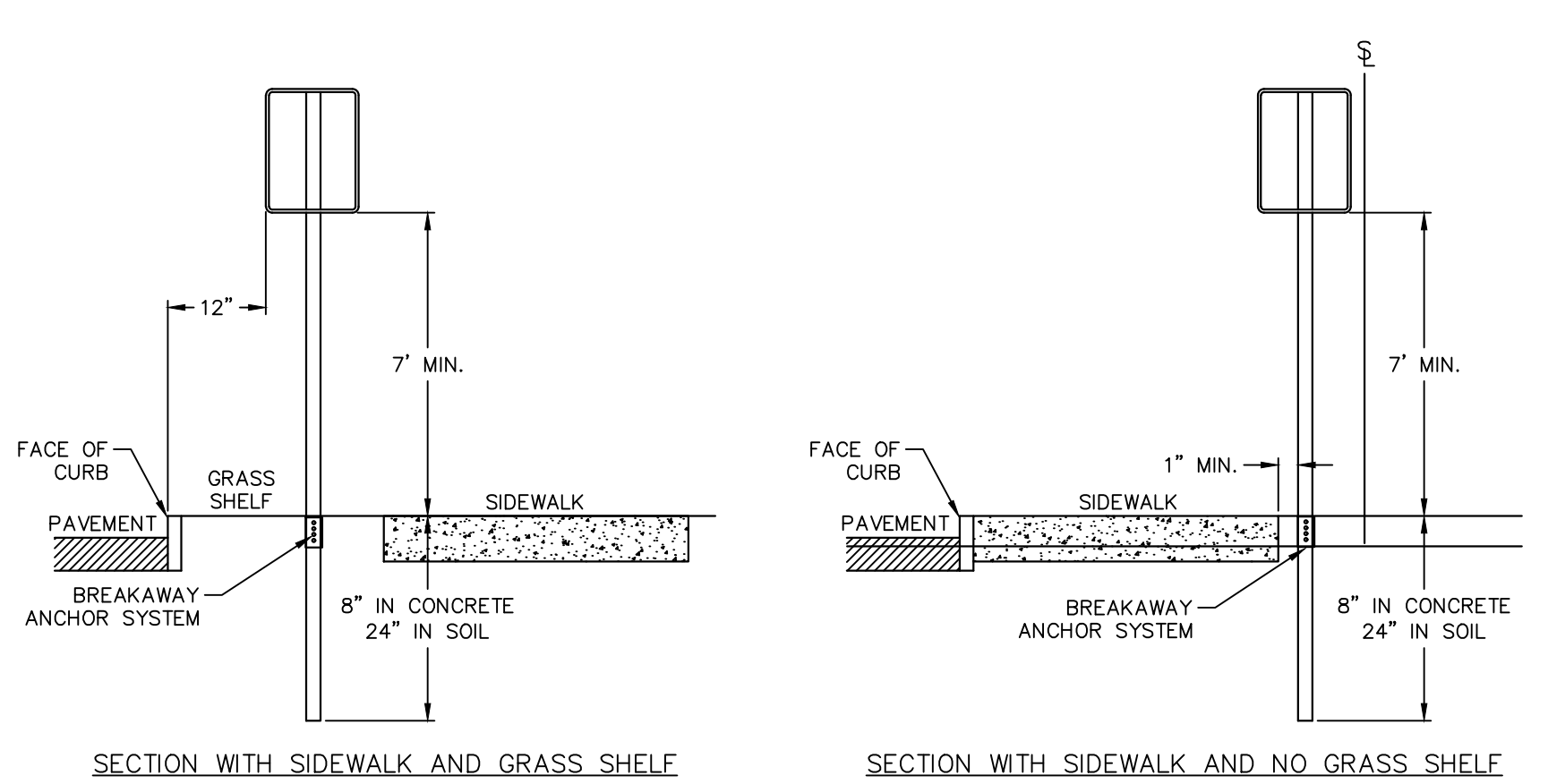
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**41-75 CENTER STREET
MANCHESTER, CT**

PROJECT TITLE
**TOWN HALL
PARKING LOT
IMPROVEMENTS**

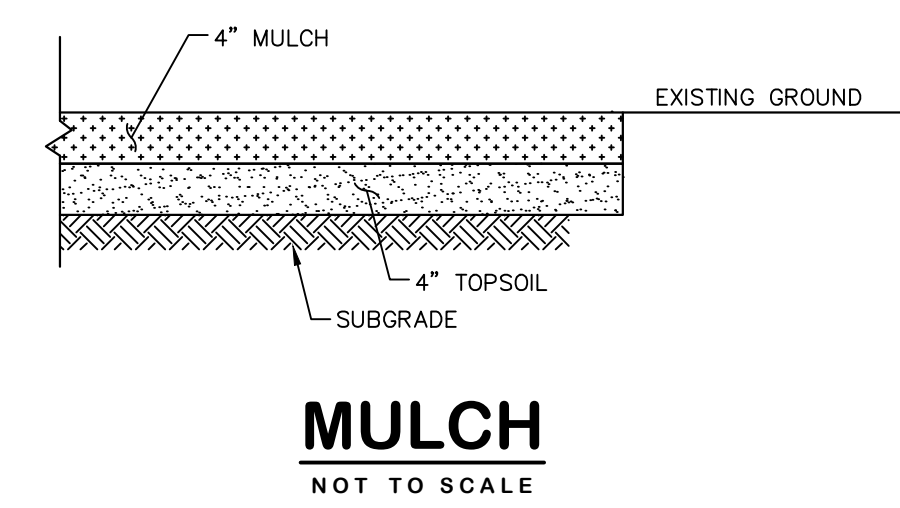
SHEET TITLE
DETAILS

SHEET NUMBER
18 of 20

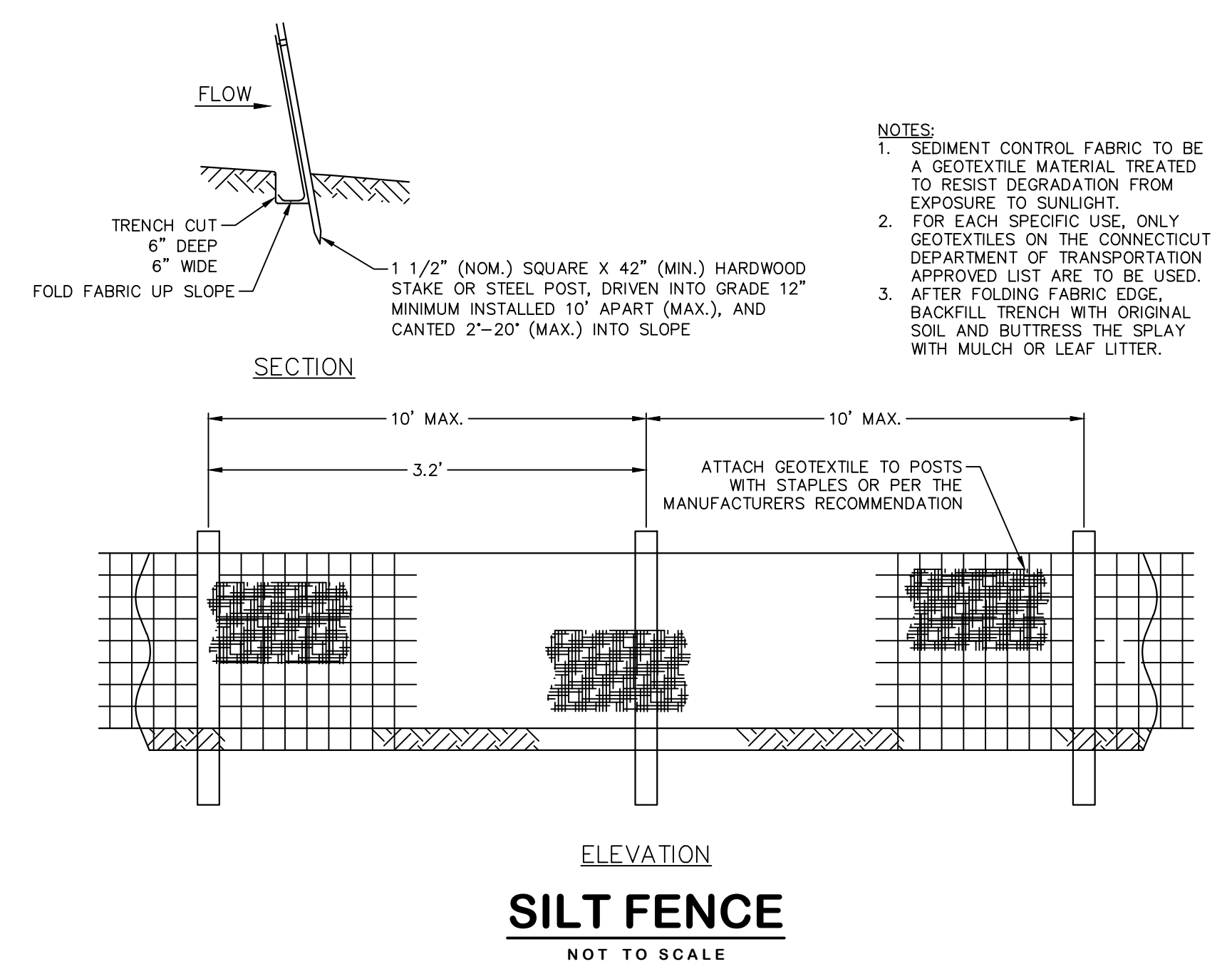


- NOTES:
- SUPPORTS SHALL BE 2 3/8" O.D. BLACK ALUMINUM FLUTED POLES (TAPCO OR SIMILAR)
 - BREAKAWAY ANCHORS SHALL BE TAPCO V-LOK BREAKAWAY ANCHOR SYSTEM OR SIMILAR

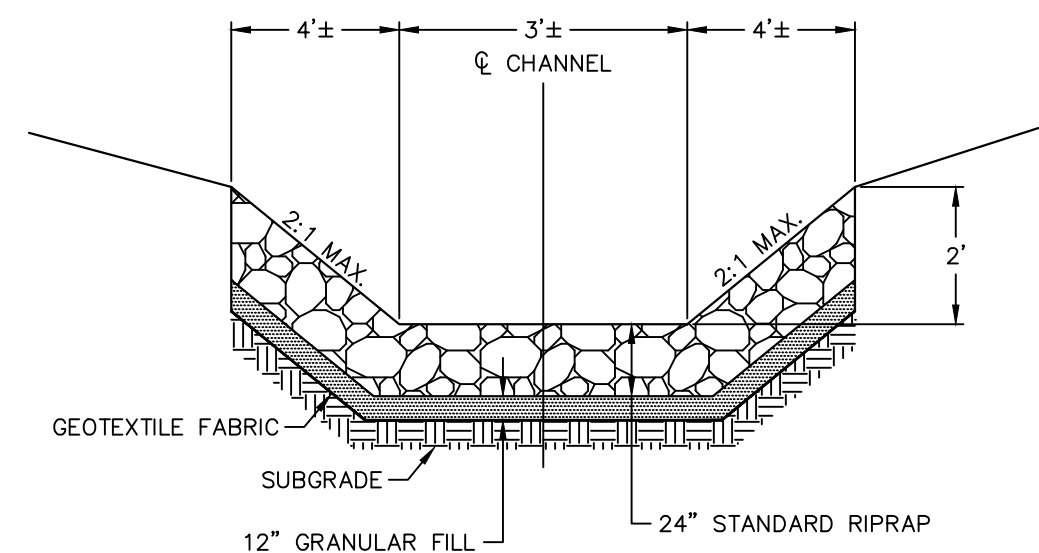
SIGN INSTALLATION - TYPICAL
NOT TO SCALE



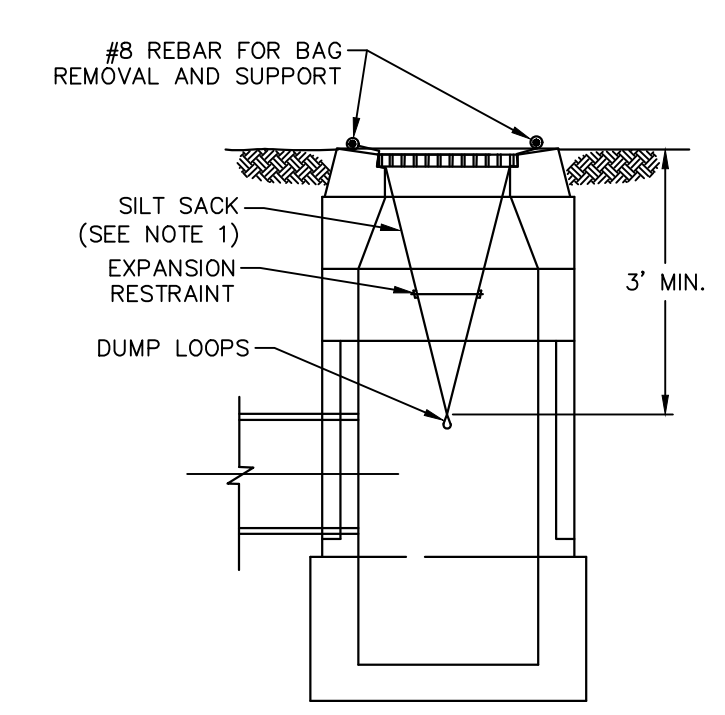
MULCH
NOT TO SCALE



SILT FENCE
NOT TO SCALE

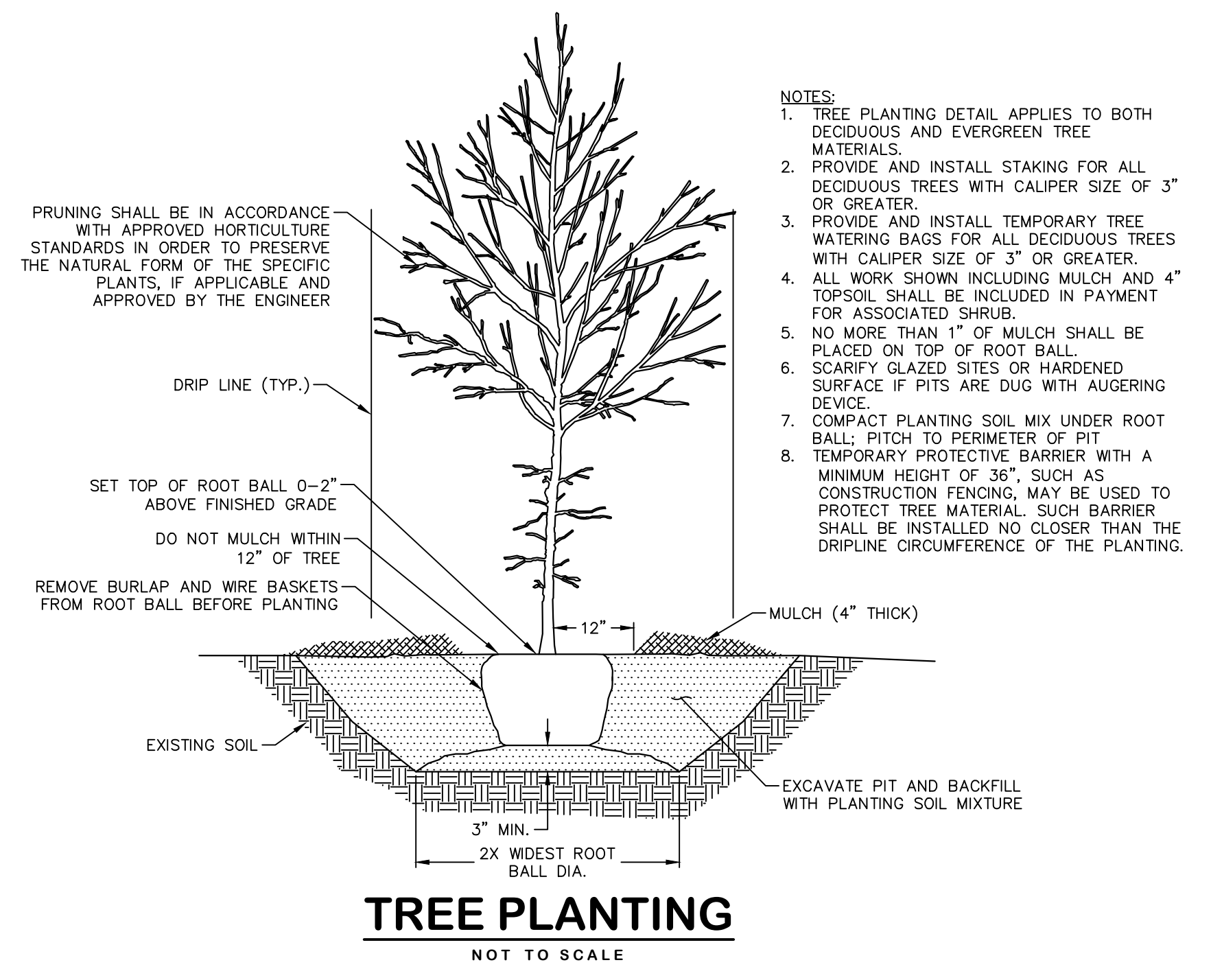


RIPRAP CHANNEL
(PAY ITEM: "STANDARD RIPRAP")
NOT TO SCALE

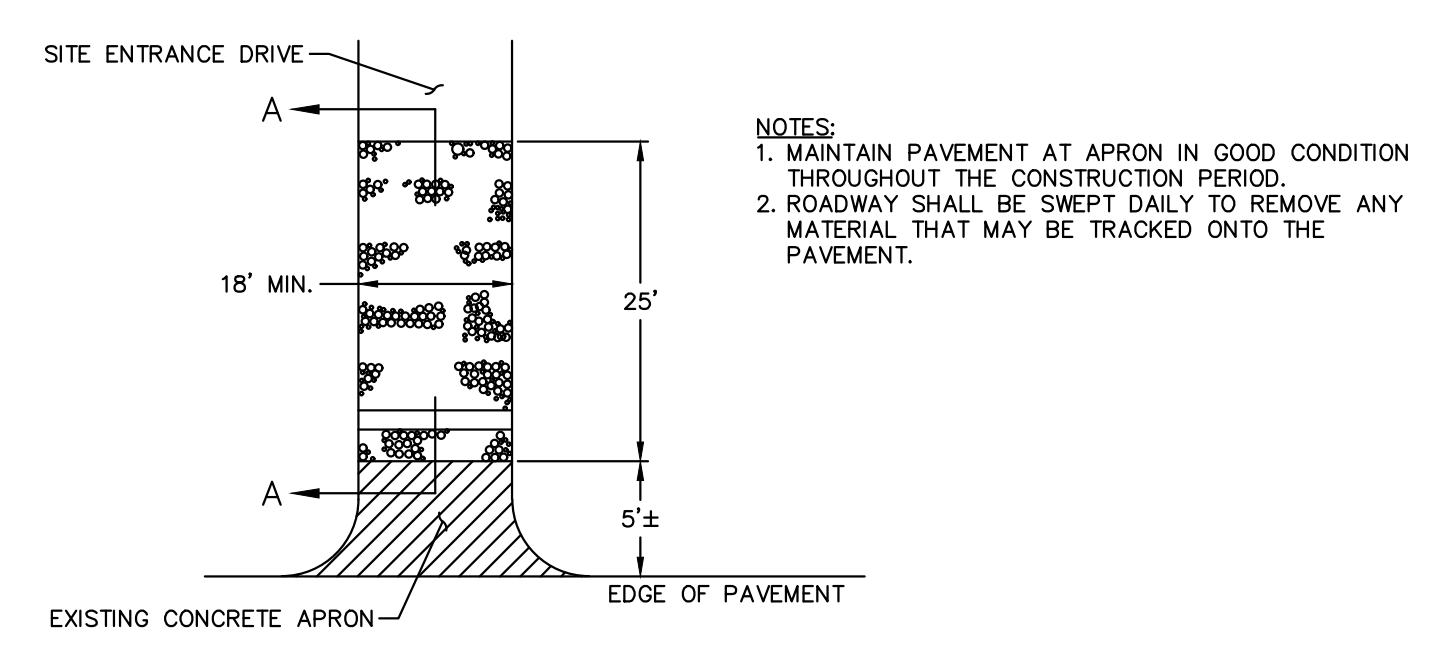
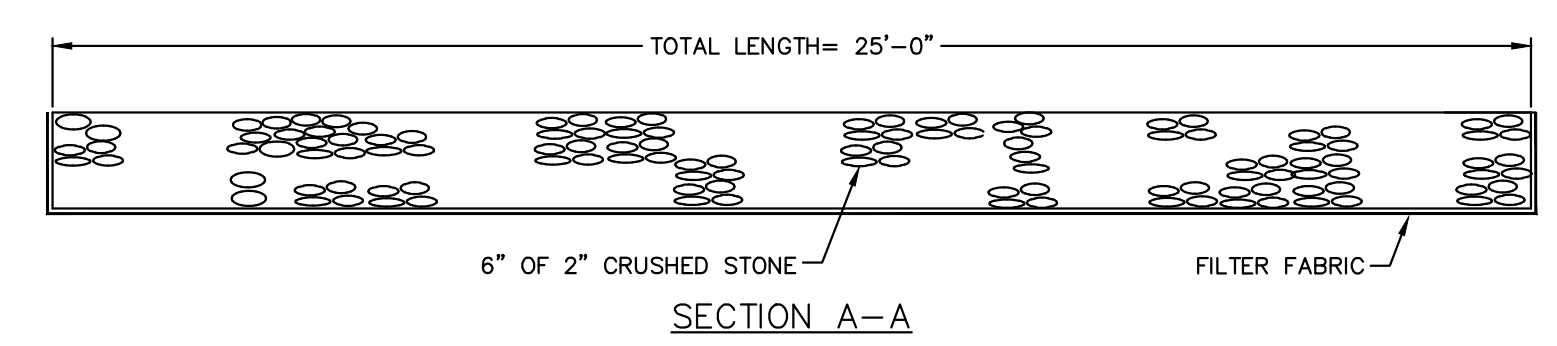


- NOTES:
- SILT SACKS SHALL BE HI-FLOW SILTSACK® "TYPE A" FOR TYPE "C-L" CB TOPS AND "TYPE B" WITH CURB DEFLECTORS FOR TYPE "C" CB TOPS OR OTHER STRUCTURES WITH CURB INLETS AS MANUFACTURED BY ACF ENVIRONMENTAL, INC OR APPROVED EQUAL.
 - SILT SACKS SHALL BE PROVIDED WITH INTERNAL OVERFLOWS.
 - SILT SACKS SHALL BE EMPTIED WHEN THEY HAVE COLLECTED 6" TO 12" OF SEDIMENT. INSPECT EVERY 1 TO 2 WEEKS AND AFTER EVERY MAJOR RAINFALL EVENT.

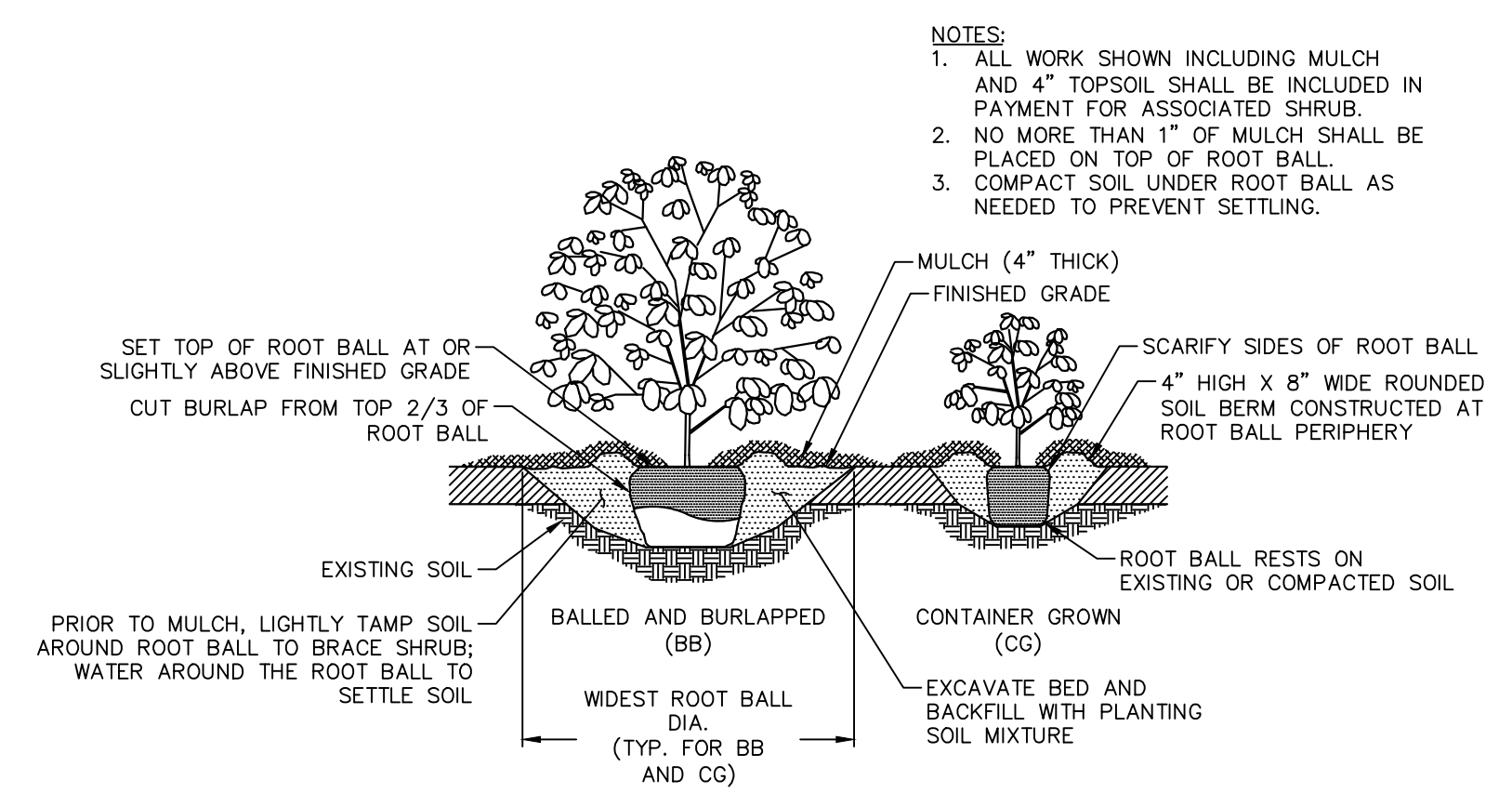
SILT SACK
NOT TO SCALE



TREE PLANTING
NOT TO SCALE



CONSTRUCTION ENTRANCE
NOT TO SCALE



SHRUB PLANTING
NOT TO SCALE



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

—	WETLAND BOUNDARY	☆	LIGHT POLE
—	RETAINING WALL	⊙	CONIFEROUS TREE
—	GRASS WALL	⊙	DECIDUOUS TREE
—	STONE WALL	⊙	SANITARY MANHOLE
—	STOCKADE FENCE	⊙	DRAINAGE MANHOLE
—	WIRE FENCE	⊙	CATCH BASIN
—	CHAIN LINK FENCE	⊙	CULVERT END
—	PROPERTY LINE	⊙	HYDRANT
—	RAILROAD TRACKS	⊙	CURB STOP
—	SILT FENCE	⊙	WATER VALVE
⊙	CONCRETE MONUMENT	⊙	BUTTERFLY VALVE
⊙	GRANITE MONUMENT	⊙	BLOW OFF
⊙	IRON PIPE	⊙	SIGN
⊙	IRON ROD	⊙	DOUBLE POST SIGN
⊙	CONTROL POINT	⊙	MAIL BOX
⊙	DRILL HOLE	⊙	BOLLARD
⊙	UTILITY POLE	⊙	CONTROLLER CABINET
⊙	UTILITY POLE WITH LIGHT	⊙	GAS GATE
⊙	TRAFFIC SPAN POLE	⊙	TELEPHONE BOX
⊙	ELECTRIC BOX	⊙	CATV TUBE
⊙	WETLAND FLAG		

PROJECT NUMBER
2017062

FILENAME
2017062-PLAN.DWG

NO.	DATE	FILE
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DRAWN BY: JL
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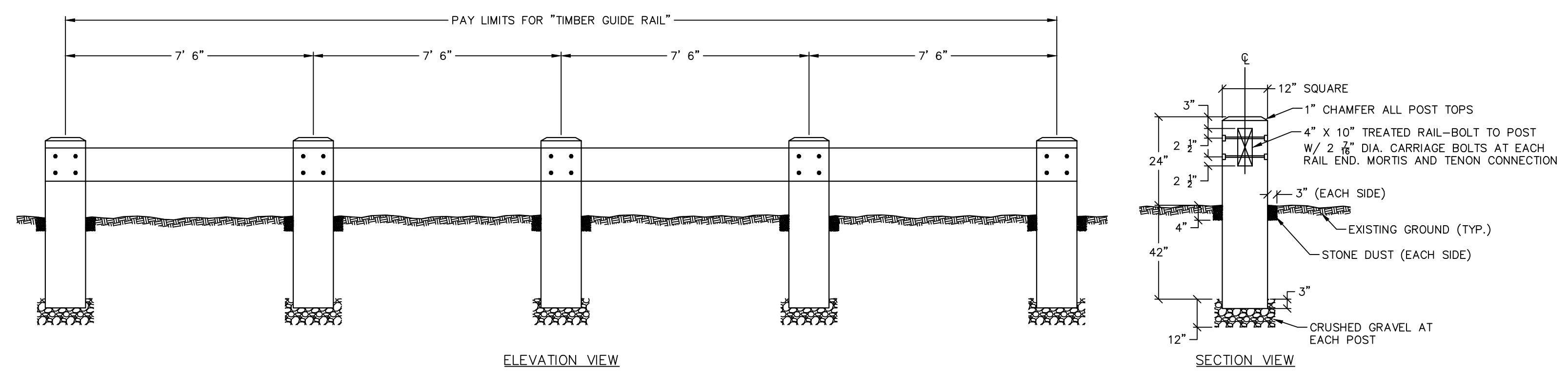
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**41-75 CENTER STREET
MANCHESTER, CT**

PROJECT TITLE
**TOWN HALL
PARKING LOT
IMPROVEMENTS**

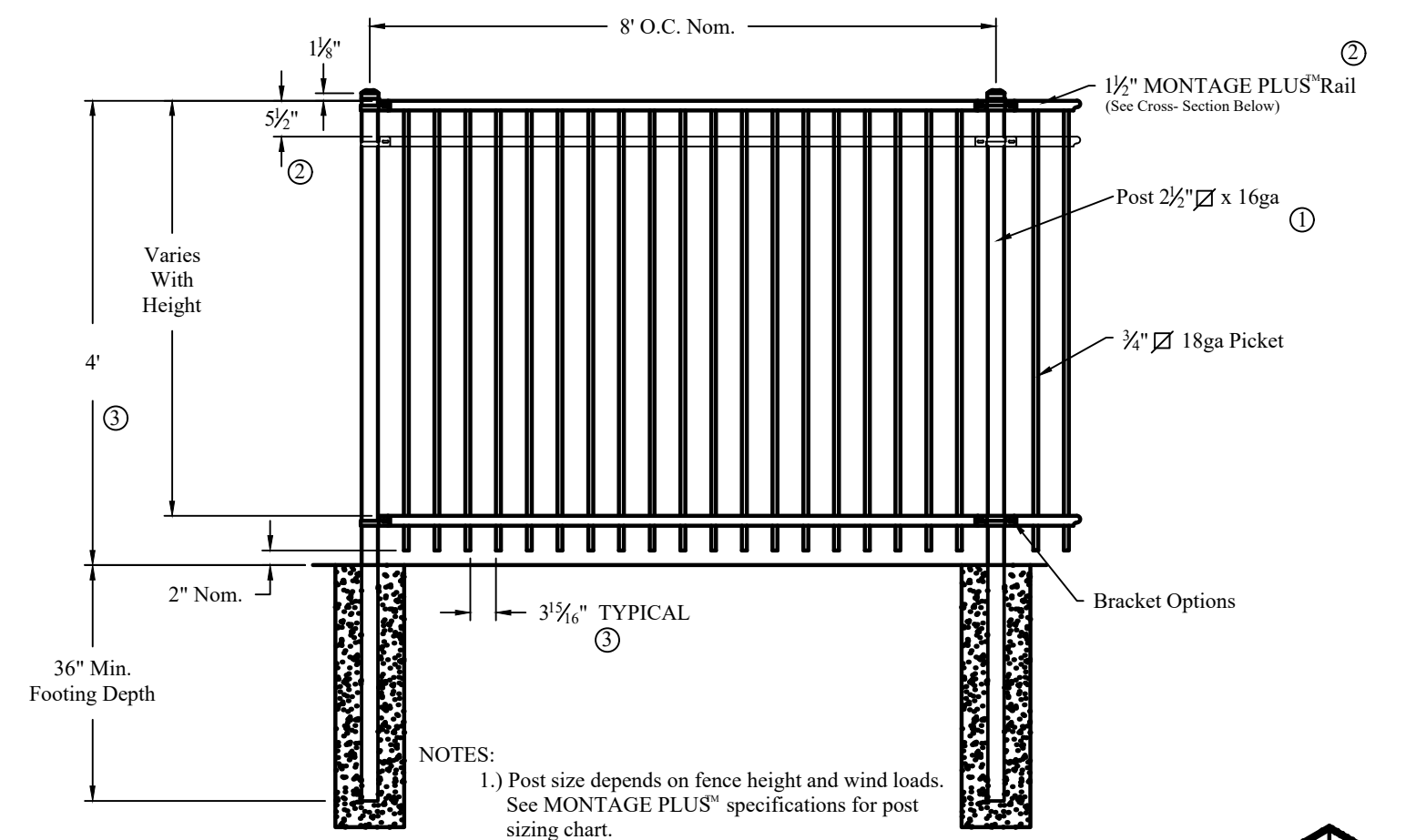
SHEET TITLE
DETAILS

SHEET NUMBER
19 of 20

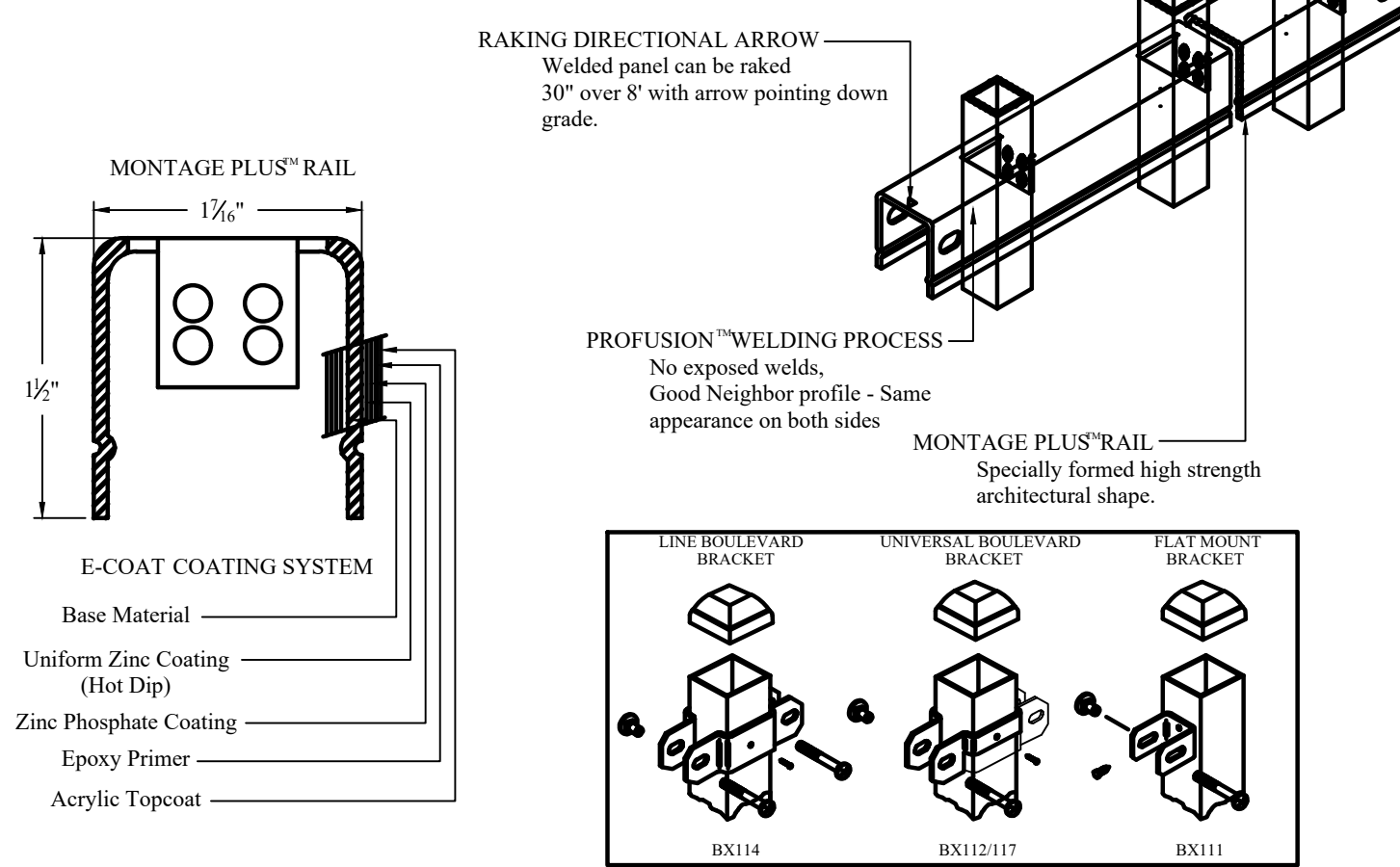


NOTES:
1. ALL WOOD TO BE ROUGH SAWN SOUTHERN YELLOW PINE, AWPB GRADE STAMPED LP-22, KILN DRIED AND PRESSURE TREATED W/ PRESERVATIVE.

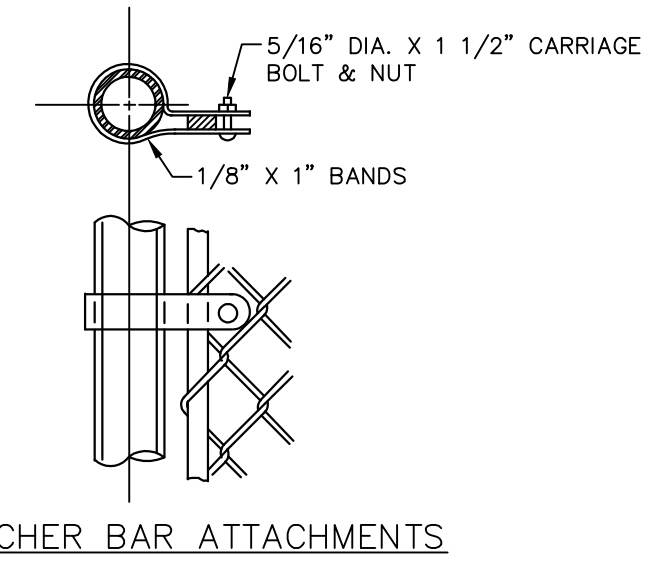
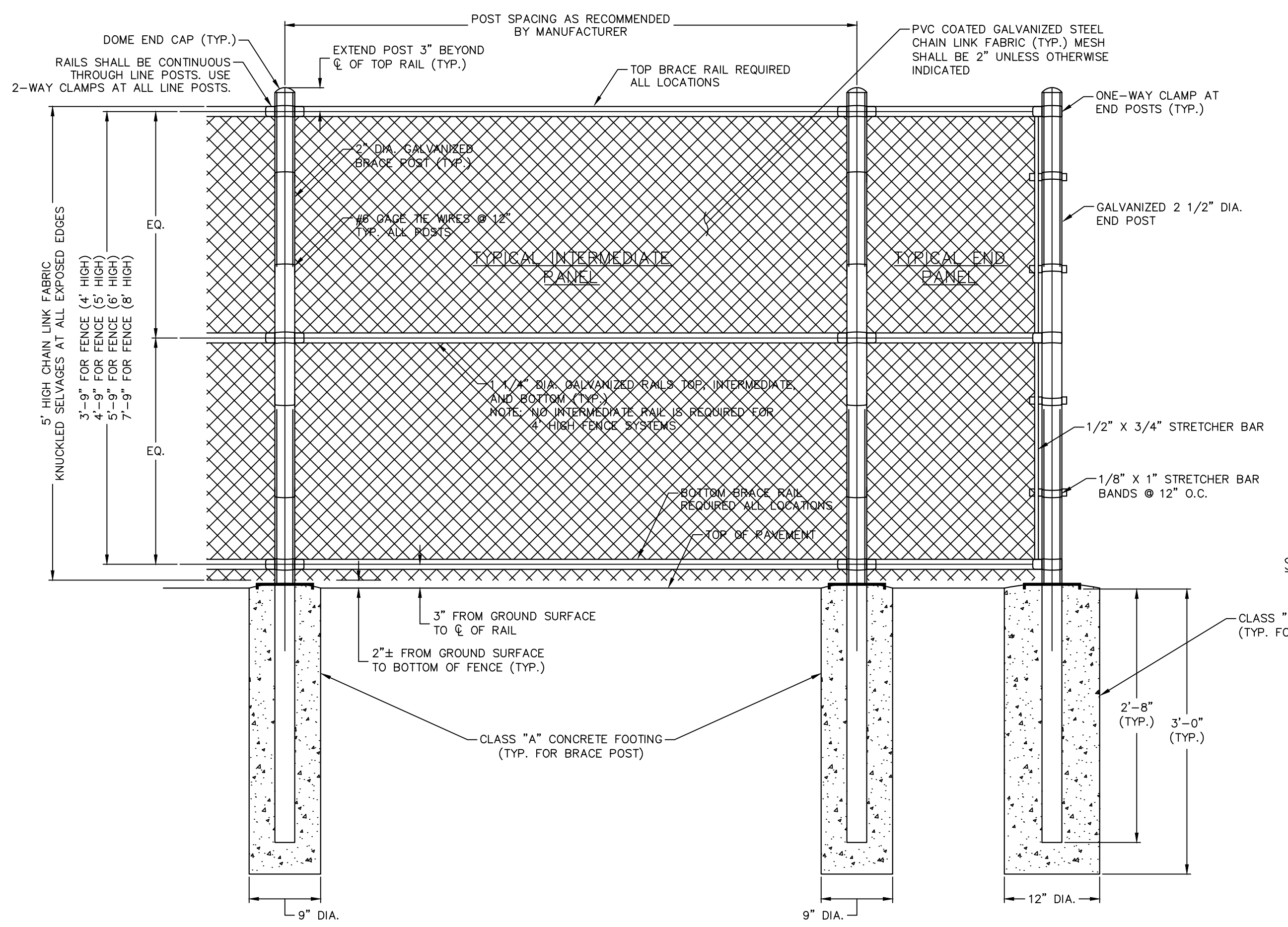
TIMBER RAIL
NOT TO SCALE



NOTES:
1.) Post size depends on fence height and wind loads. See MONTAGE PLUS specifications for post sizing chart.
2.) Third rail required for Double Rails.
3.) Available in 3" air space and/or Flush Bottom on most heights.



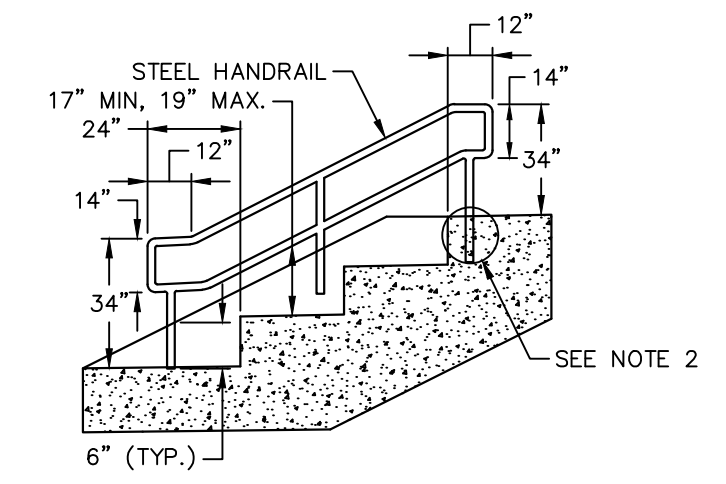
ORNAMENTAL STEEL FENCE
NOT TO SCALE



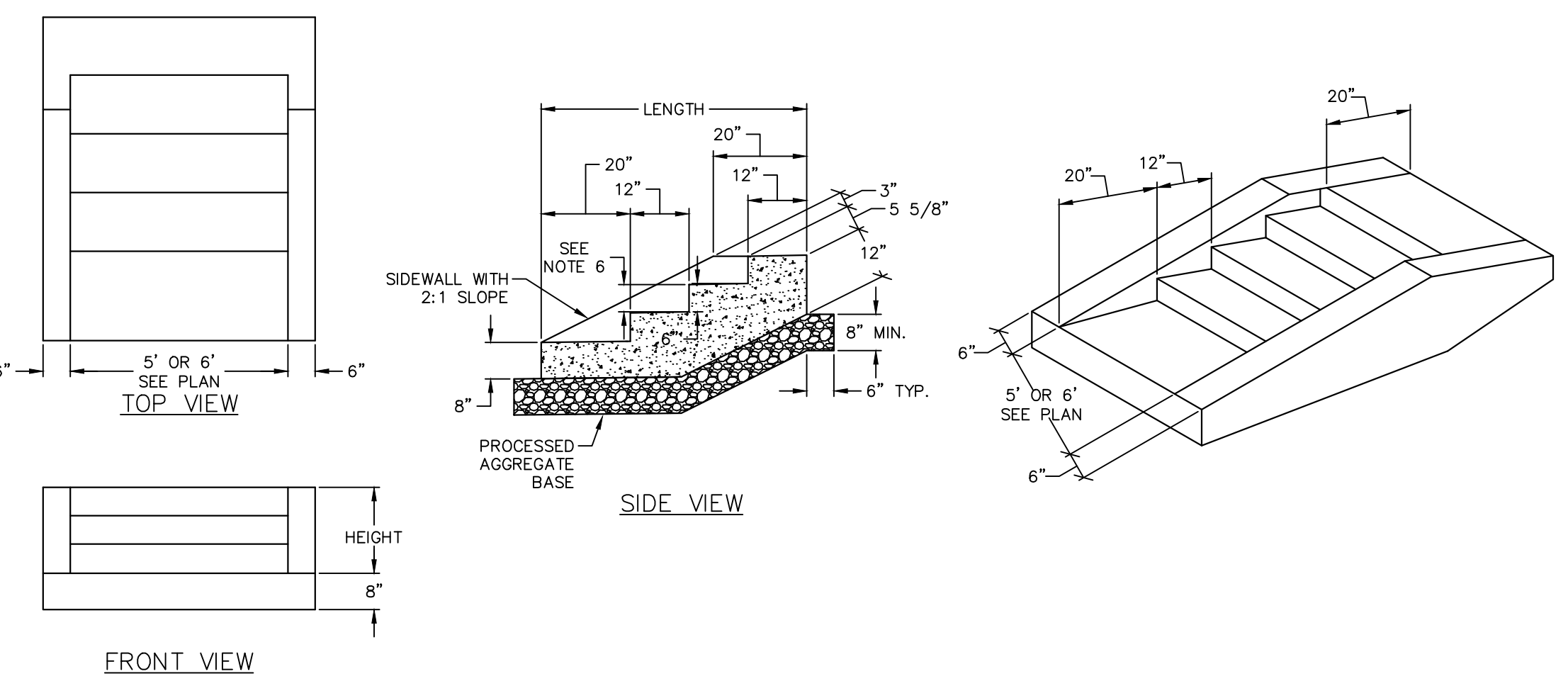
STRETCHER BAR ATTACHMENTS

CHAIN LINK FENCE
NOT TO SCALE

NOTES:
1. HANDRAILS SHALL BE CONSTRUCTED IN ACCORDANCE WITH A.D.A. STANDARDS AND THE STATE OF CONNECTICUT BUILDING CODE.
2. HANDRAIL POSTS SHALL BE INSTALLED IN THE CENTER OF EACH SIDEWALL AT A MAXIMUM SPACING OF 6 FT. POSTS SHALL BE SET 6" DEEP IN 2" MINIMUM DIAMETER HOLES WITH CHEMICAL ANCHORING MATERIAL AND WATERPROOF SEALANT AT SURFACE.
3. A HANDRAIL IS REQUIRED ON BOTH SIDES OF STEPS WHERE THE DIFFERENCE IN ELEVATION BETWEEN THE HIGHEST WALKING SURFACE AND THE LOWEST WALKING SURFACE IS GREATER THAN 30".
4. THE RAILING BASE CONNECTIONS SHALL BE DESIGNED TO PROVIDE STRENGTH FOR A 251.9 POUND FORCE APPLIED IN ANY LOCATION OR DIRECTION ON THE RAIL.
5. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STEEL POSTS AND HANDRAIL ELEMENTS INCLUDING A LAYOUT TO THE ENGINEER FOR REVIEW AND APPROVAL.
6. ALL STEPS SHALL HAVE UNIFORM RISER HEIGHTS AND UNIFORM TREAD DEPTHS. RISERS SHALL BE A MINIMUM OF 4" HIGH TO A MAXIMUM OF 7" HIGH. TREADS SHALL BE A MINIMUM OF 11" DEEP MEASURED FROM RISER TO RISER WITH A PITCH OF 1/4".
7. STEPS SHALL BE CONSTRUCTED TO MATCH THE WIDTH OF THE ADJACENT PRIVATE WALKS.
8. REFER TO THE "STEEL HANDRAIL" SPECIFICATION FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION METHODS.



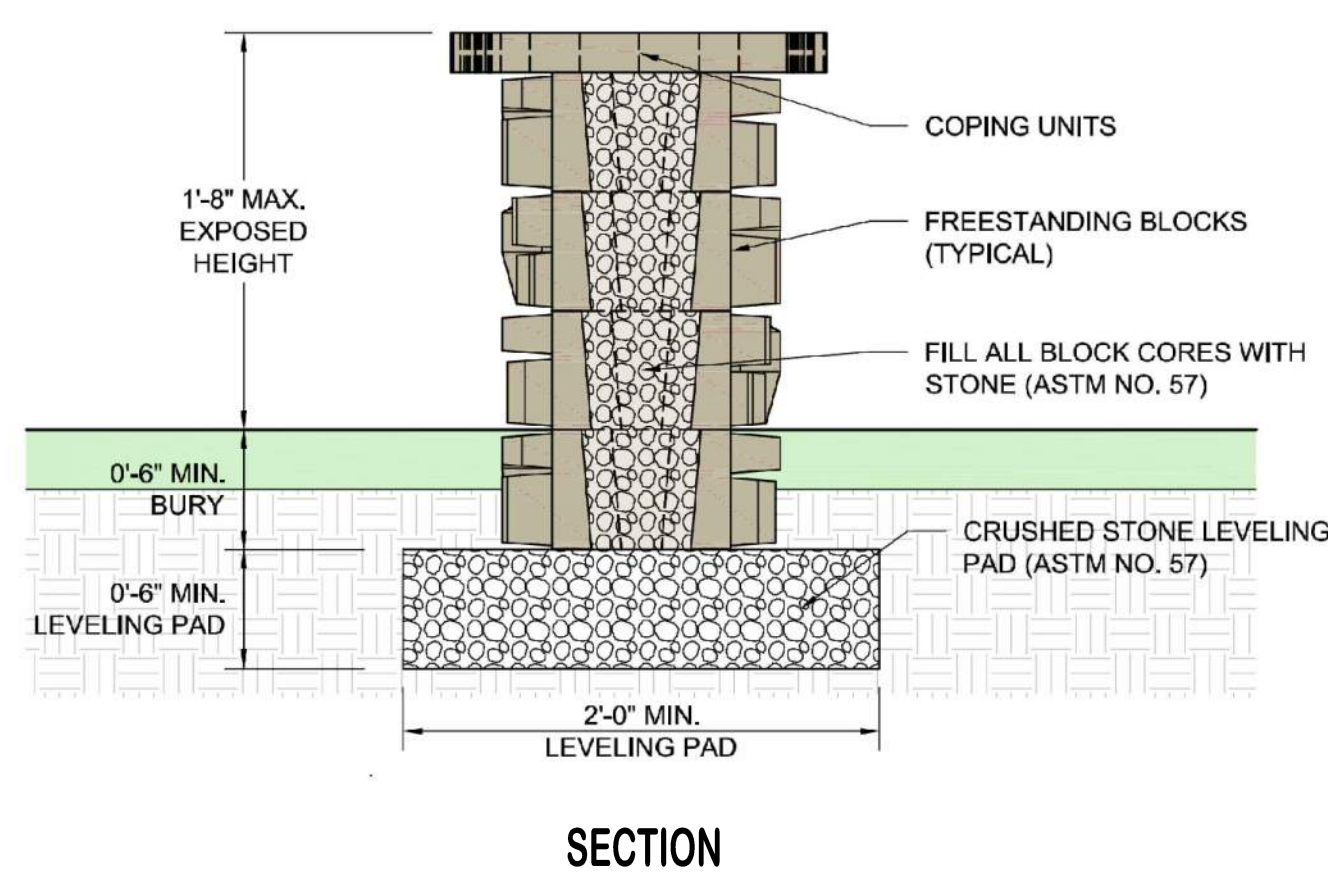
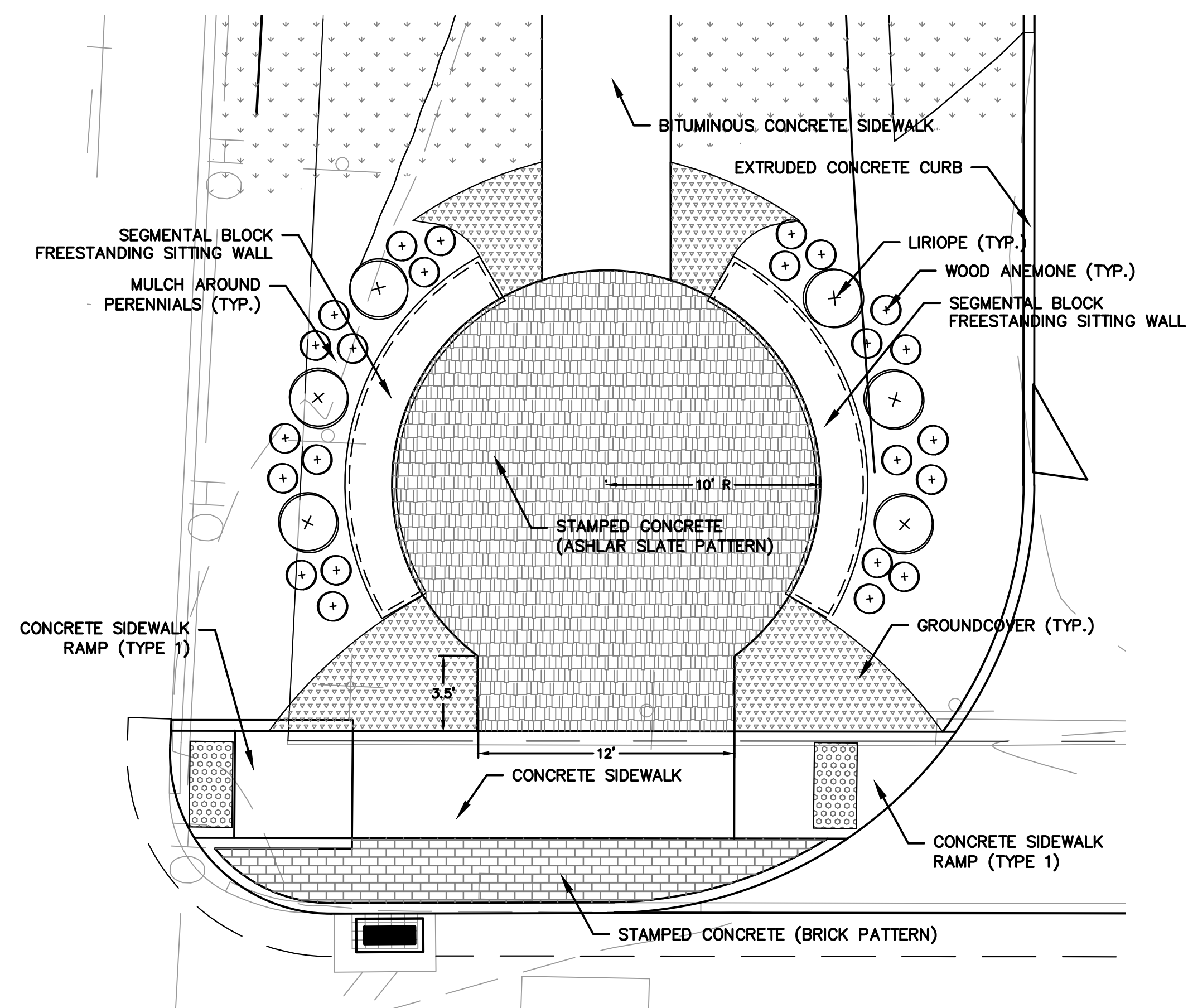
STEEL HANDRAIL



CONCRETE STEPS
NOT TO SCALE



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191



STAMPED CONCRETE PATIO AND SITTING WALL

NOT TO SCALE

LEGEND

--- WETLANDS BOUNDARY	☆ LIGHT POLE
--- RETAINING WALL	⊗ CONIFEROUS TREE
--- CURB WALL	⊗ DEODOROUS TREE
--- STONE WALL	⊗ SANITARY MANHOLE
--- STOCKADE FENCE	⊗ DRAINAGE MANHOLE
--- WIRE FENCE	⊗ CATCH BASIN
--- CHAIN LINK FENCE	⊗ CULVERT END
--- PROPERTY LINE	⊗ HYDRANT
--- RAILROAD TRACKS	⊗ CURB STOP
--- SILT FENCE	⊗ WATER VALVE
⊗ CONCRETE MONUMENT	⊗ BUTTERFLY VALVE
⊗ GRANITE MONUMENT	⊗ BLOW OFF
⊗ IRON PIPE	⊗ SIGN
⊗ IRON ROD	⊗ DOUBLE POST SIGN
⊗ CONTROL POINT	⊗ MAIL BOX
⊗ DRILL HOLE	⊗ BOLLARD
⊗ UTILITY POLE	⊗ CONTROLLER CABINET
⊗ UTILITY POLE WITH LIGHT	⊗ GAS GATE
⊗ TRAFFIC SPAN POLE	⊗ TELEPHONE BOX
⊗ ELECTRIC BOX	⊗ CATV TUBE
⊗ WETLAND FLAG	

PROJECT NUMBER
2017062

FILENAME
2017062-PLAN.DWG

NO.	DATE	FILE
-	06/16/23	BID DOCUMENTS

DRAWN BY: JL
CHECKED BY:
RELEASED BY: TB

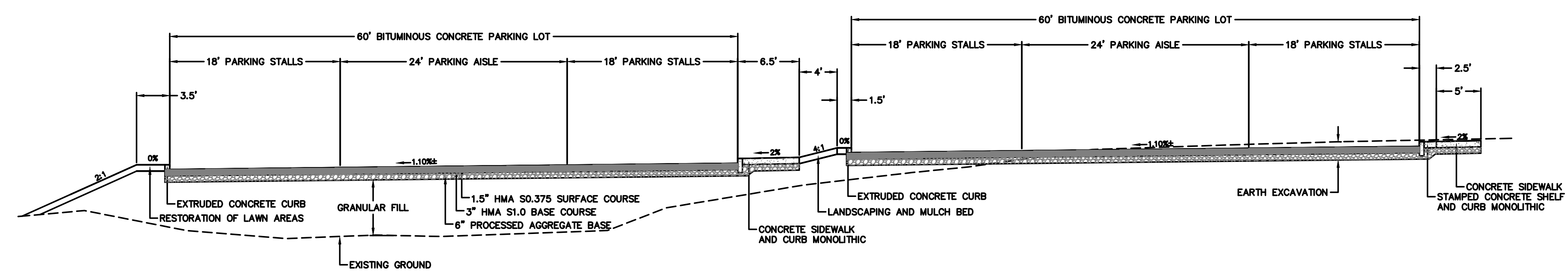
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**41-75 CENTER STREET
MANCHESTER, CT**

PROJECT TITLE
**TOWN HALL
PARKING LOT
IMPROVEMENTS**

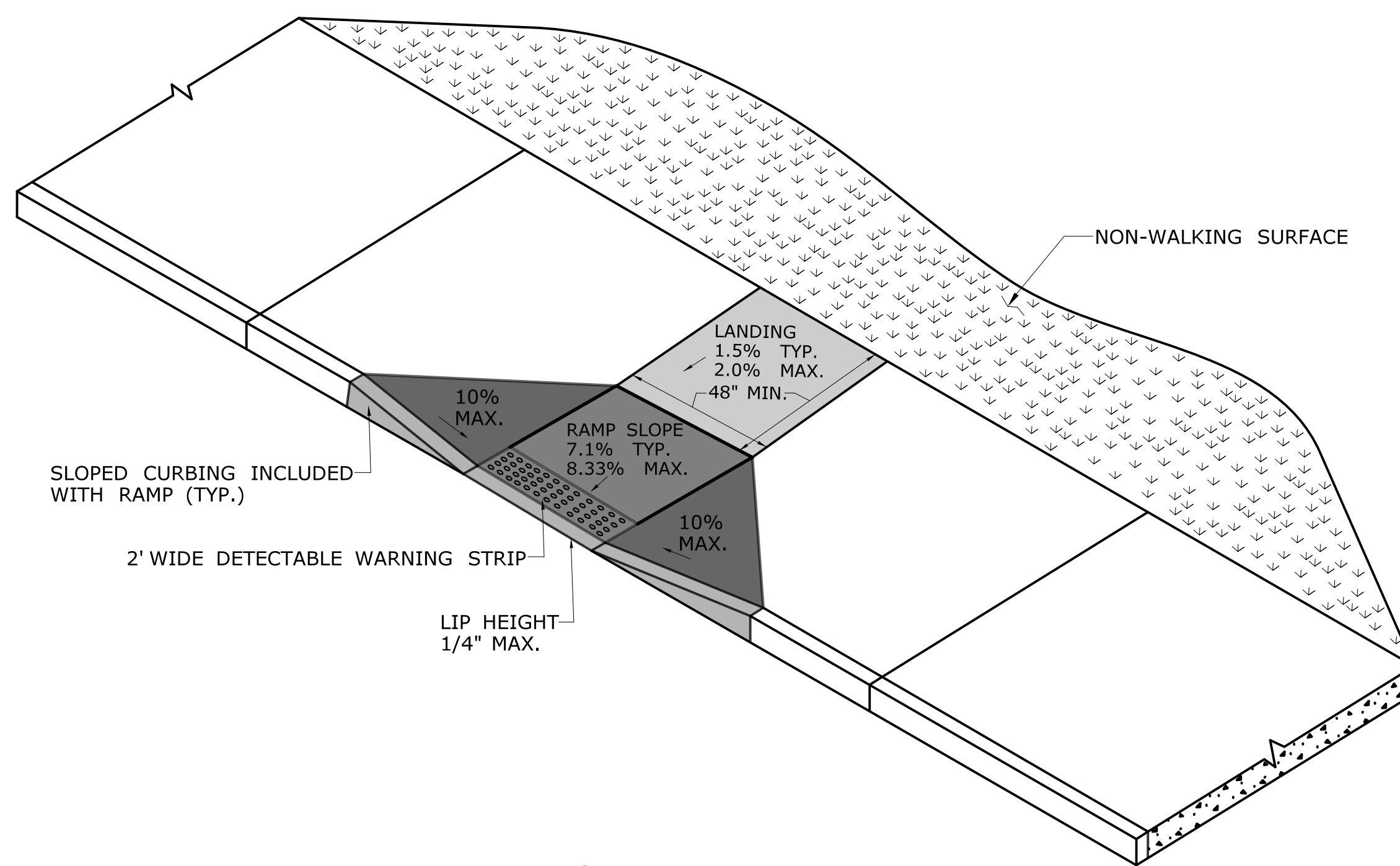
SHEET TITLE
DETAILS

SHEET NUMBER
20 of 20

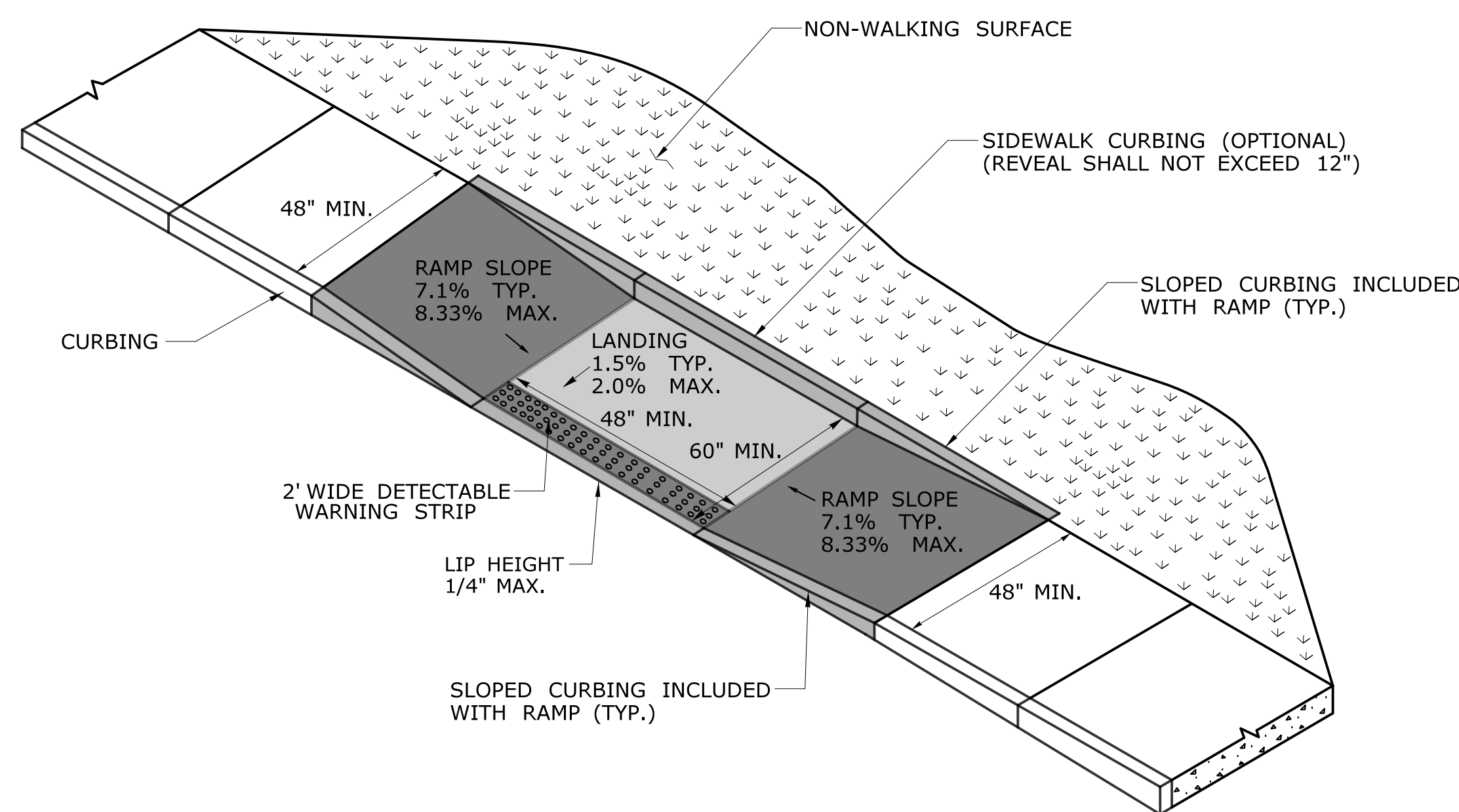


TYPICAL SECTION - PARKING LOT

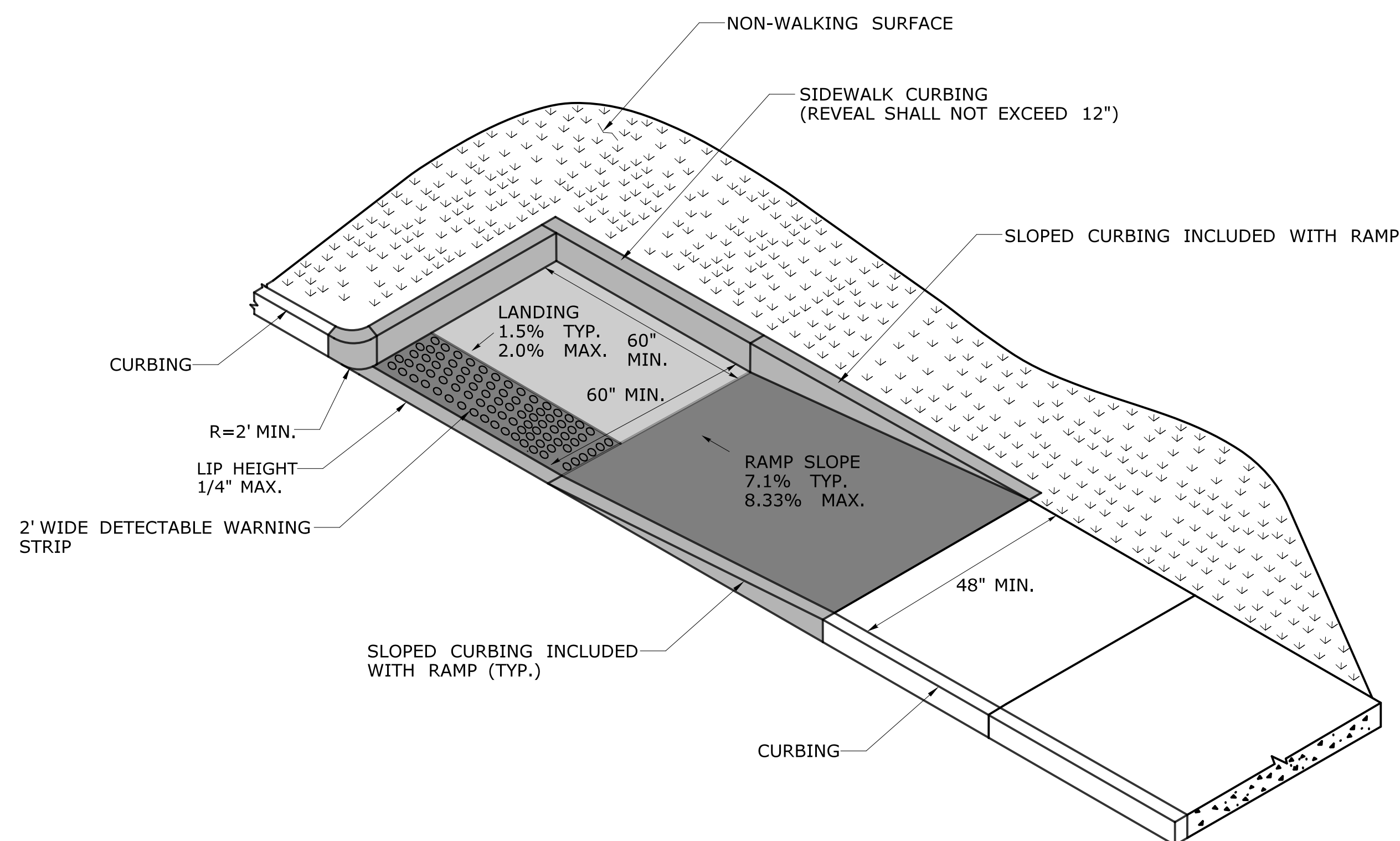
NOT TO SCALE



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



PARALLEL RAMP WITHOUT NON-WALKING SURFACE (TYPE 9)

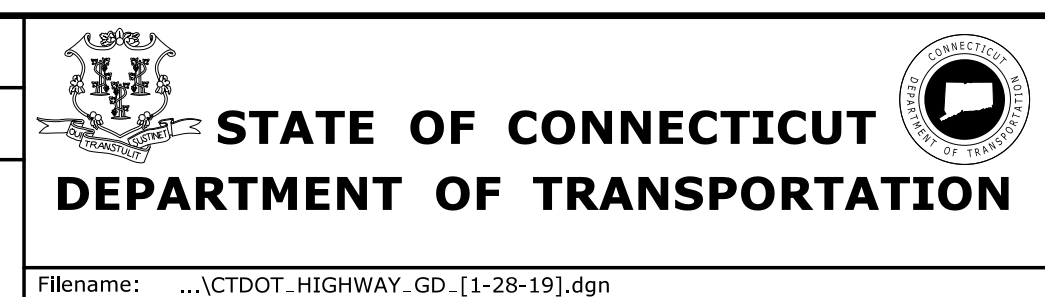


PARALLEL RAMP WITH LANDING AT BOTTOM ON CORNER (TYPE 10)

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

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 1/30/2019

DESIGNER/DRAFTER:
CHECKED BY:
-



SIGNATURE/BLOCK:
OFFICE OF ENGINEERING
APPROVED BY:
-

PROJECT TITLE:
-

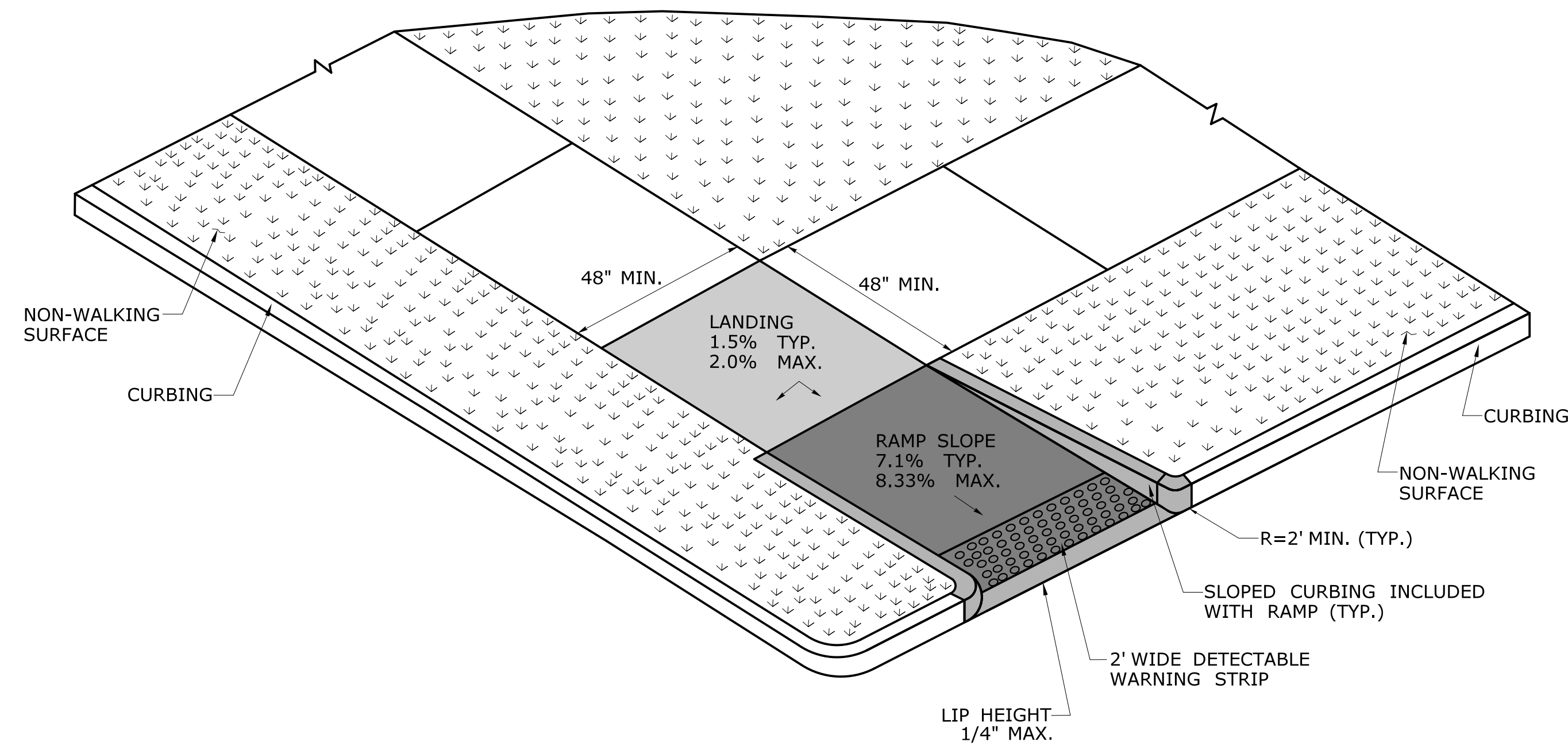
TOWN:
-

DRAWING TITLE:
CONCRETE SIDEWALK RAMPS SHEET 4

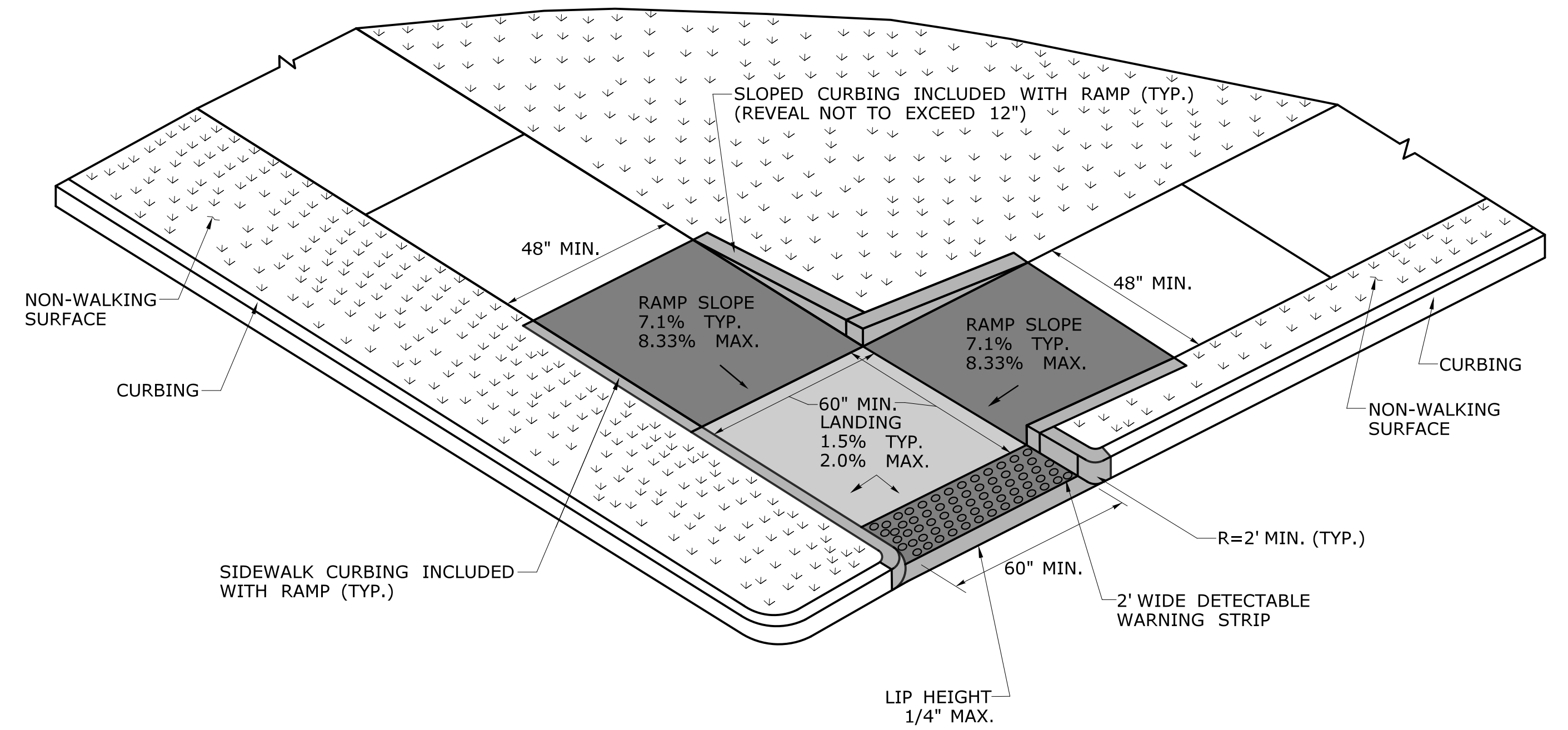
PROJECT NO.
-

DRAWING NO.

SHEET NO.



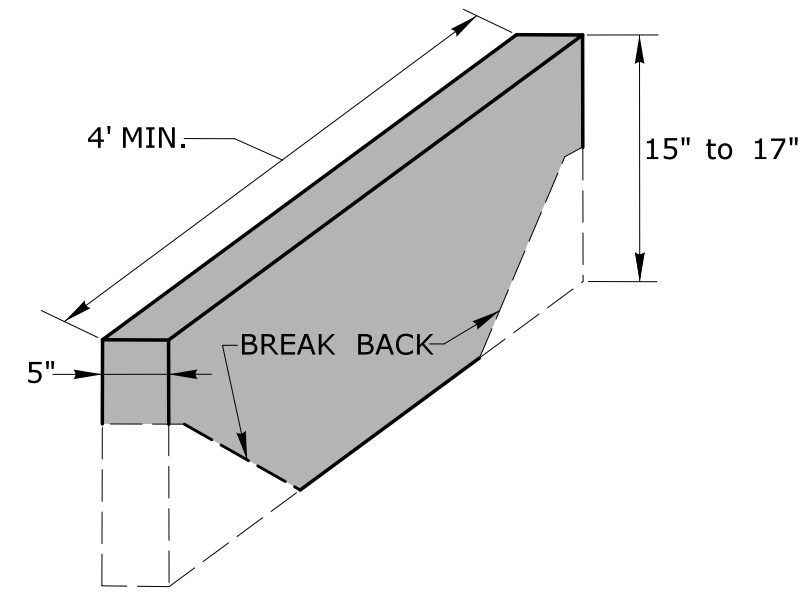
RESTRICTED PEDESTRIAN CROSSING SIDEWALK RAMP WITH NON-WALKING SURFACE (TYPE 20)



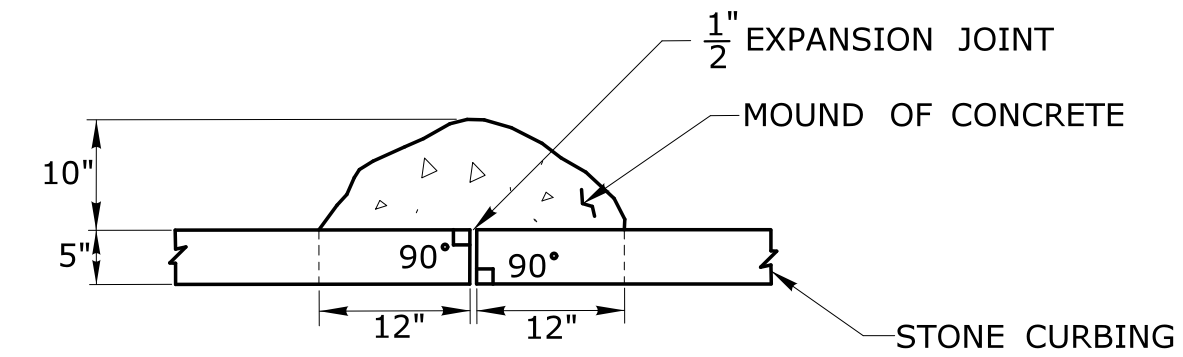
RESTRICTED PEDESTRIAN CROSSING WITH LANDING AT BOTTOM AND NON-WALKING SURFACE (TYPE 21)

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

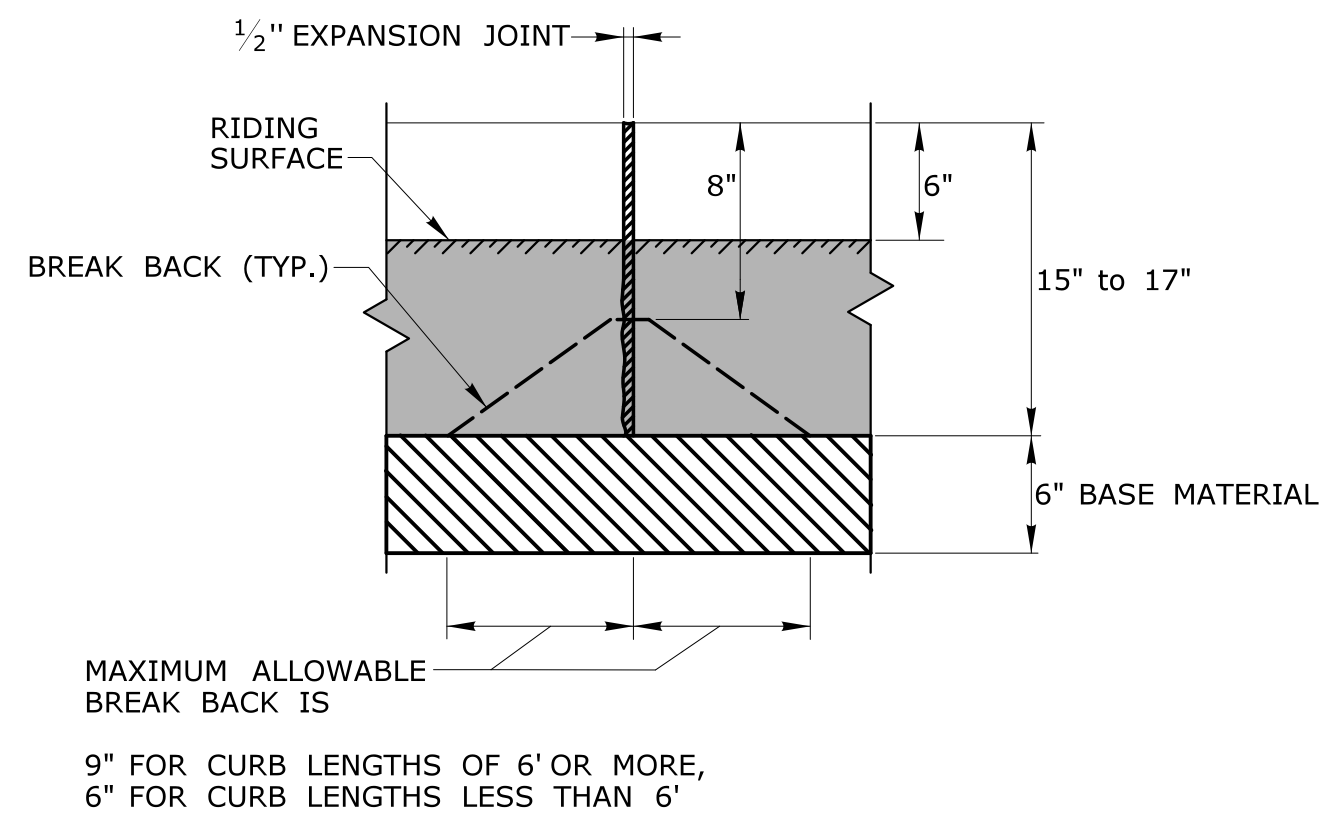
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: CHECKED BY:	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	SIGNATURE/ BLOCK: APPROVED BY:	PROJECT TITLE: - -	TOWN: - -	PROJECT NO. - DRAWING NO.
REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 1/30/2019	FILENAME: ...CTDOT_HIGHWAY_GD_[1-28-19].dgn	CONCRETE SIDEWALK RAMP SHEET 8		SHEET NO.			



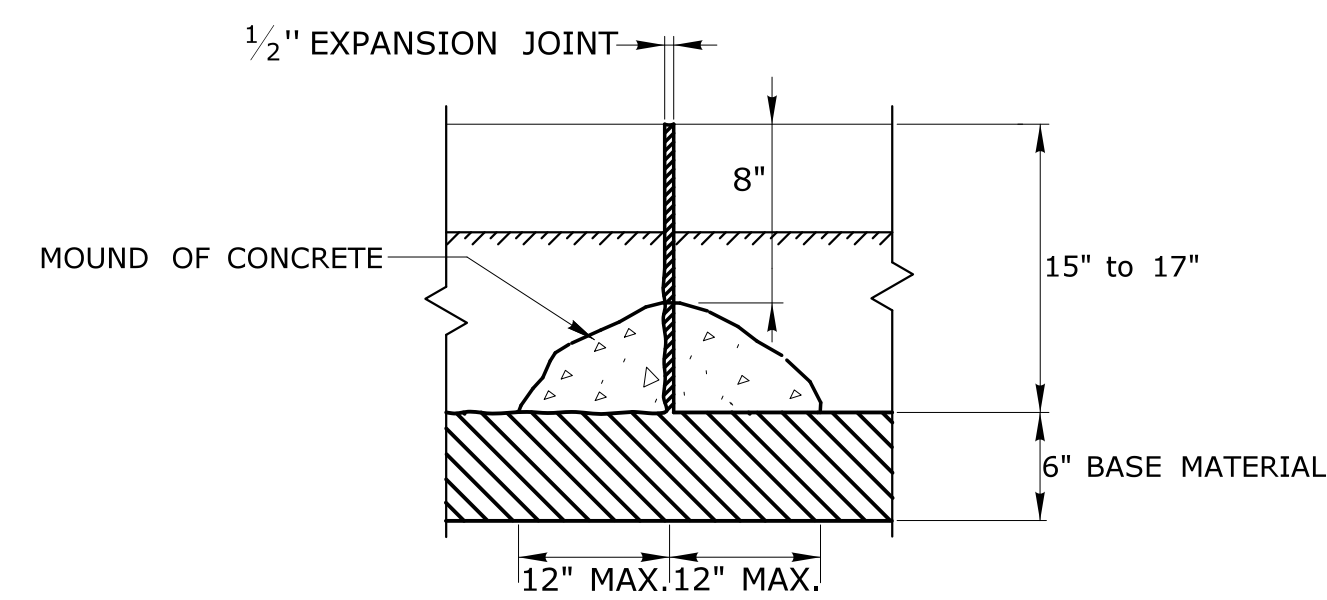
STONE CURBING



PLAN

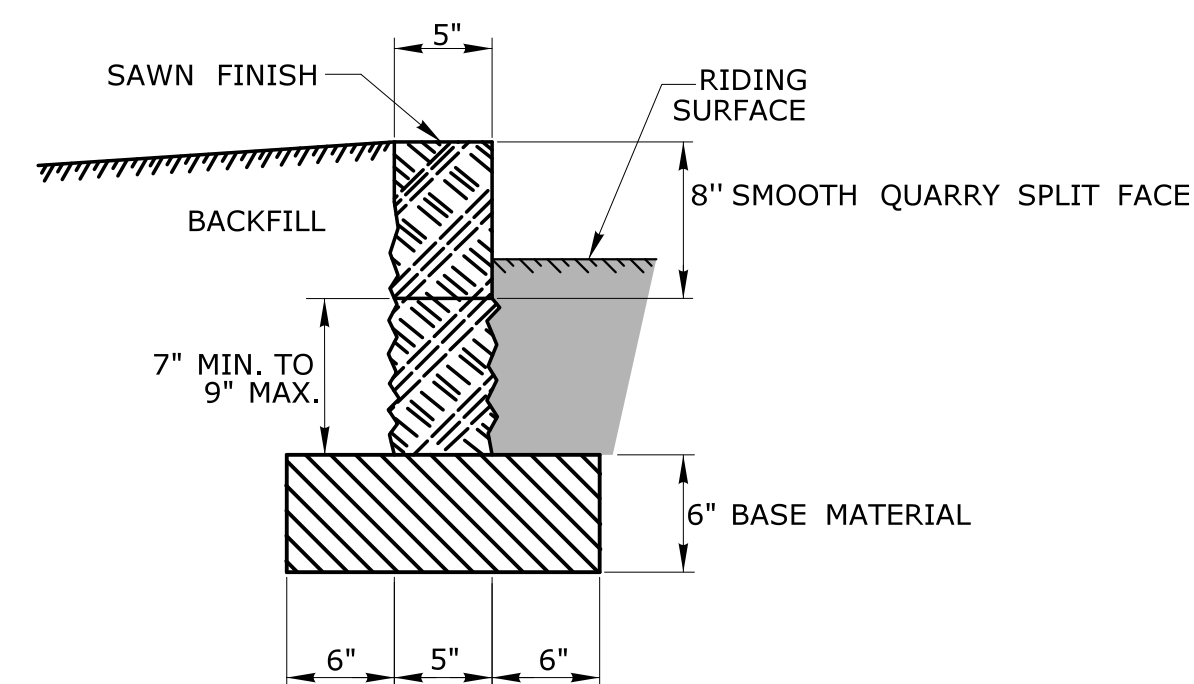


FRONT ELEVATION



BACK ELEVATION

MOUND OF CONCRETE AT ALL JOINTS FOR STONE CURBING



SECTION

NOT TO SCALE
###

SIGNATURE BLOCK:
OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY: _____

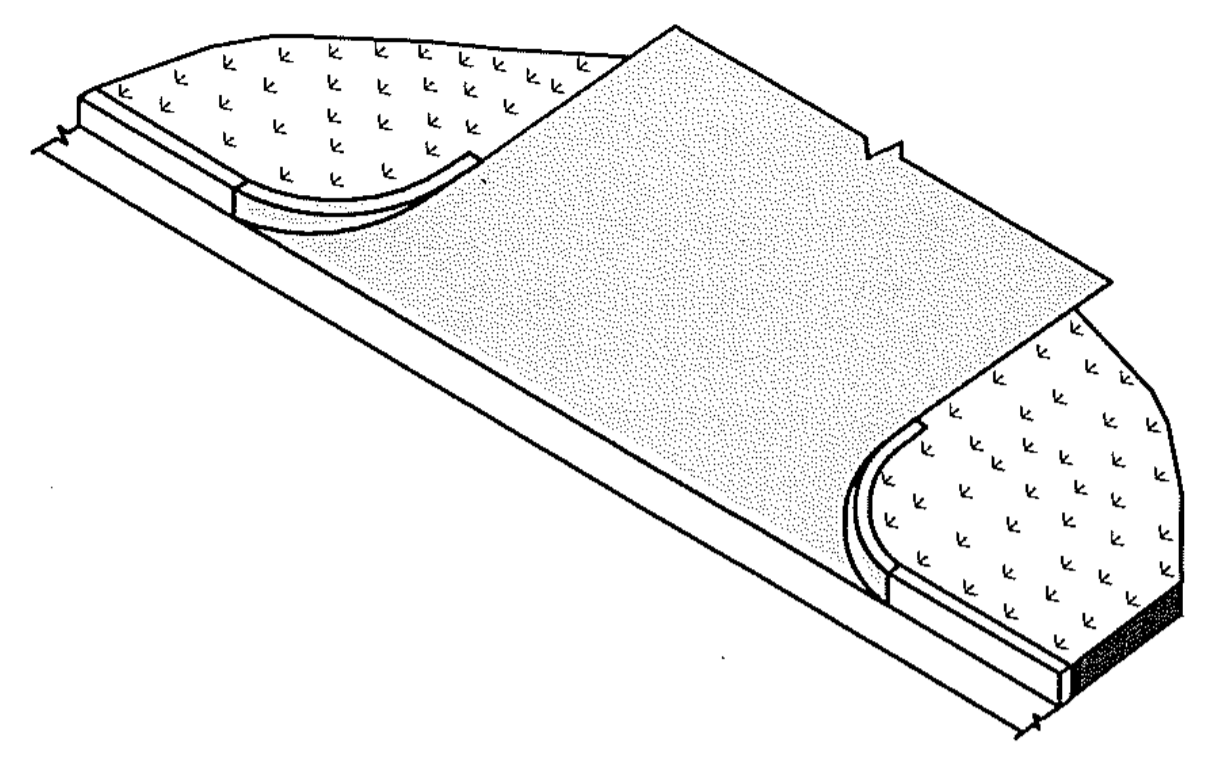
APPROVED BY: _____



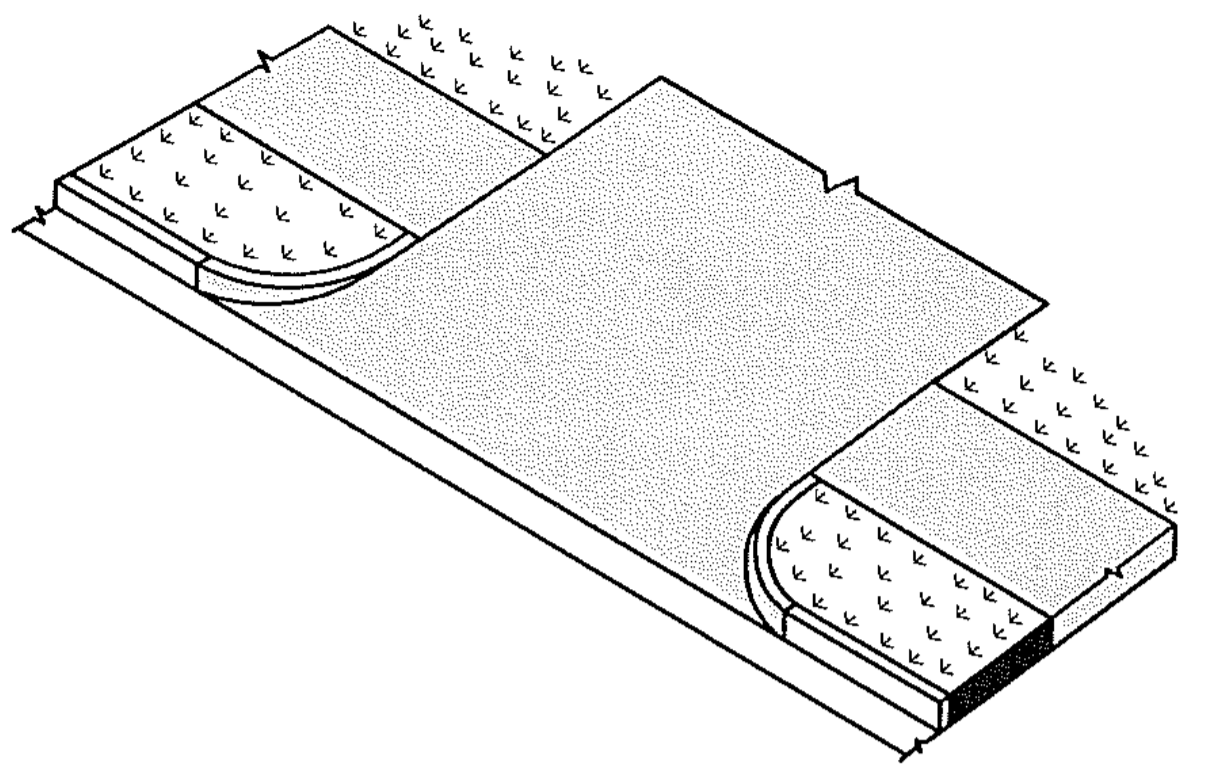
**CTDOT
STANDARD SHEET**

STANDARD SHEET TITLE:
STONE CURBING

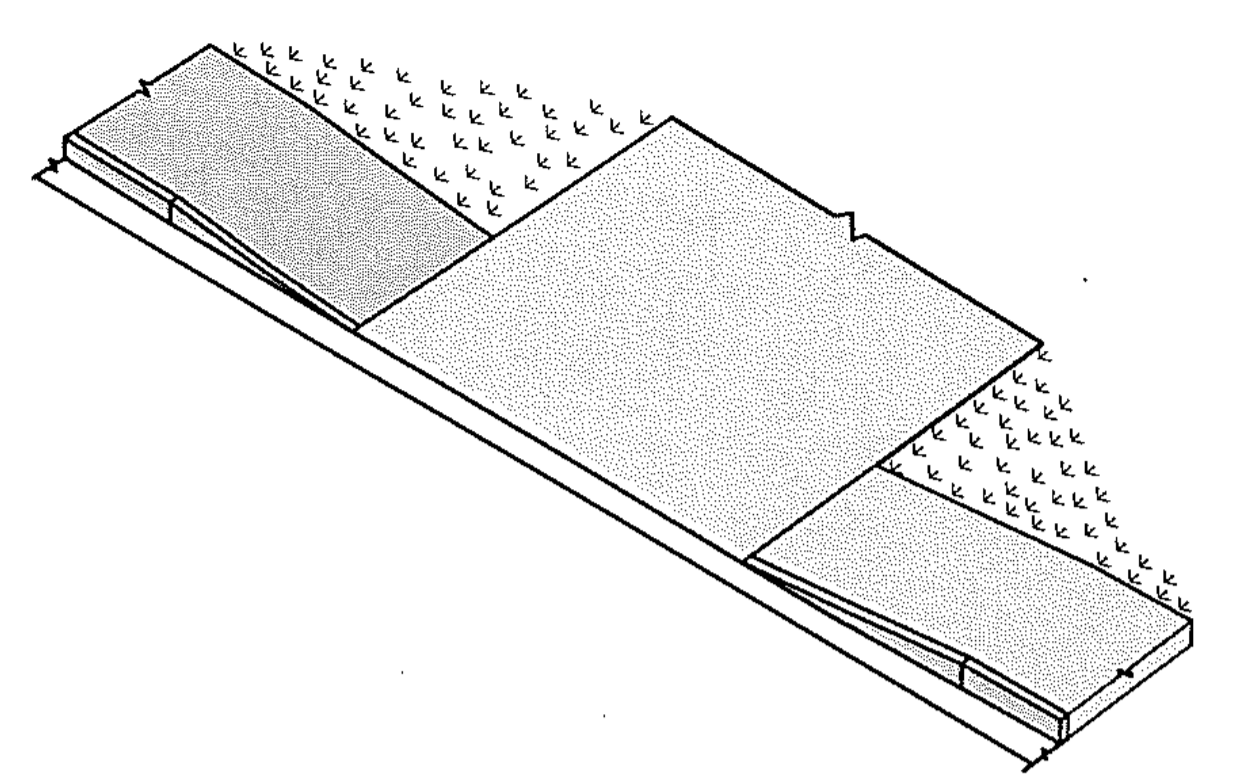
STANDARD SHEET NO.:
HW-813_02



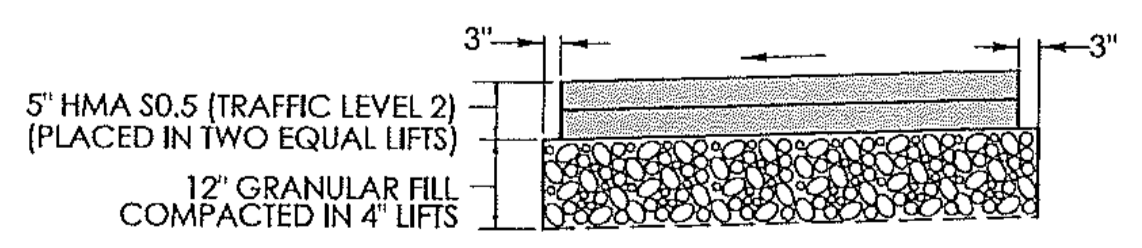
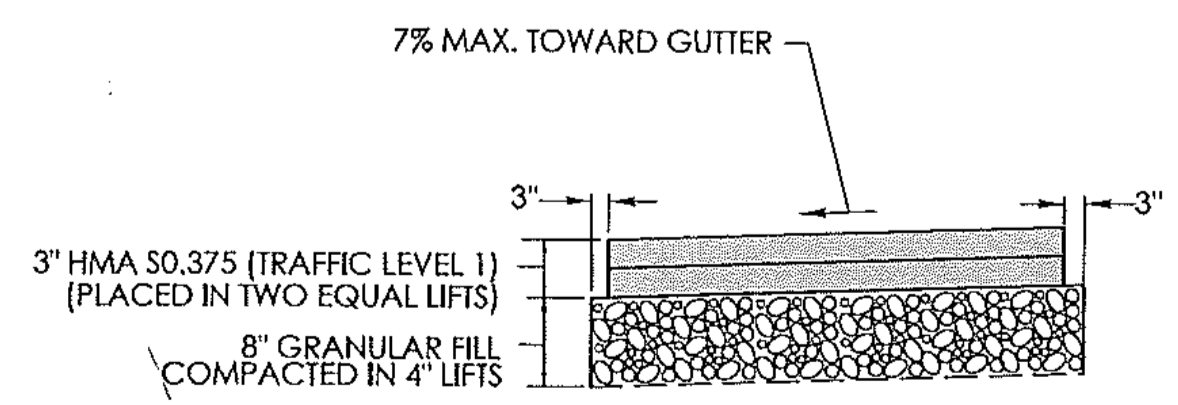
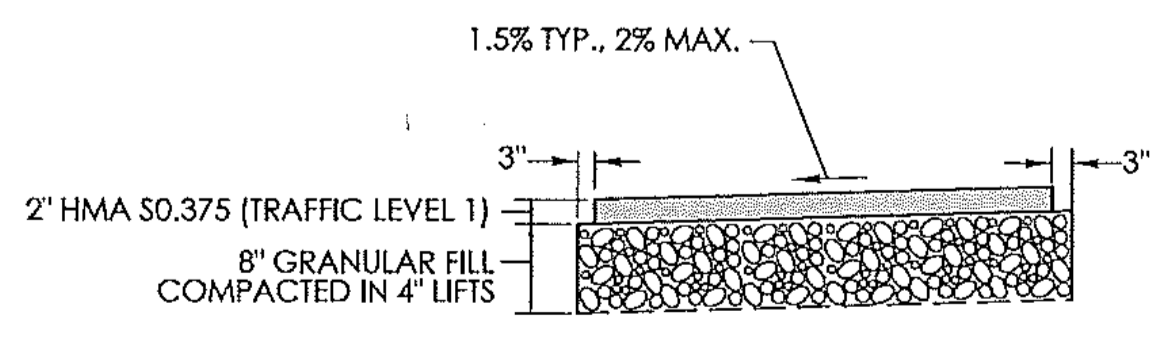
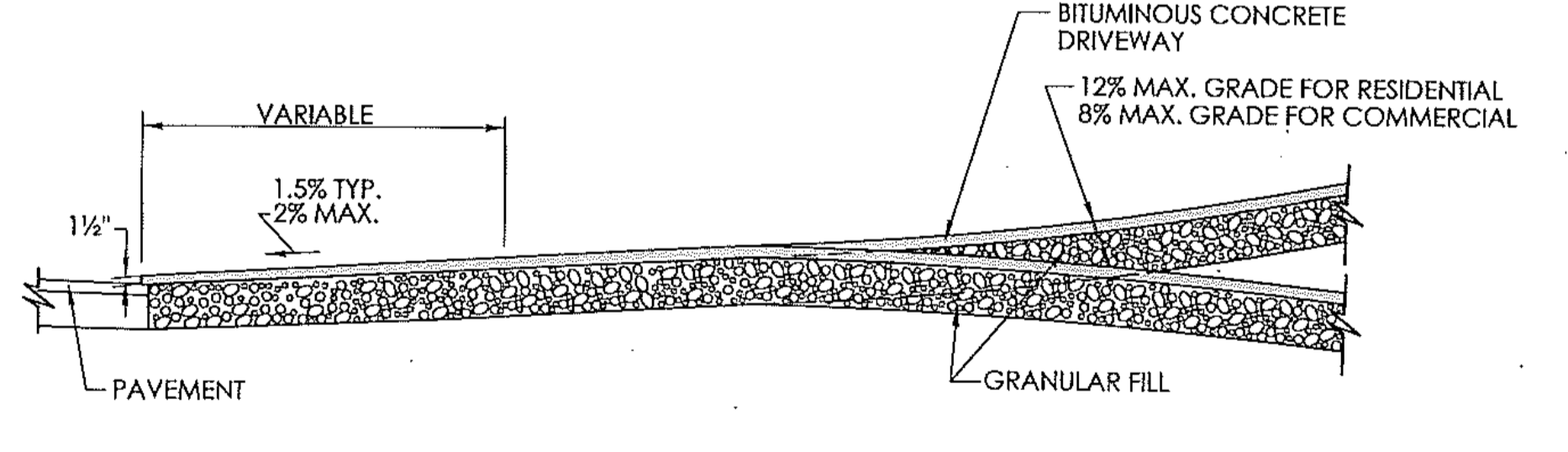
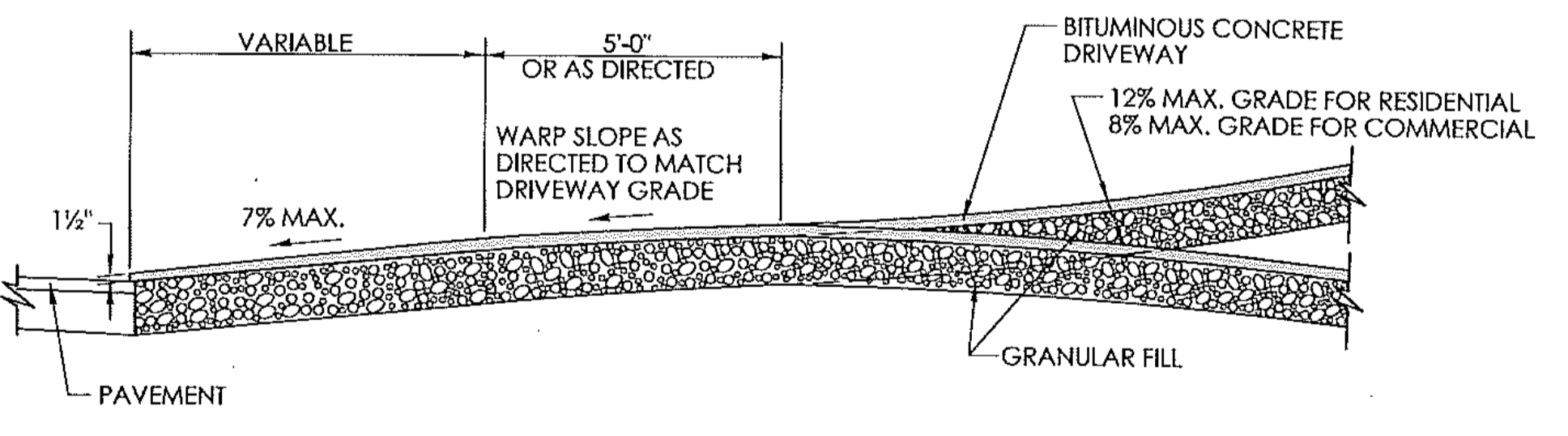
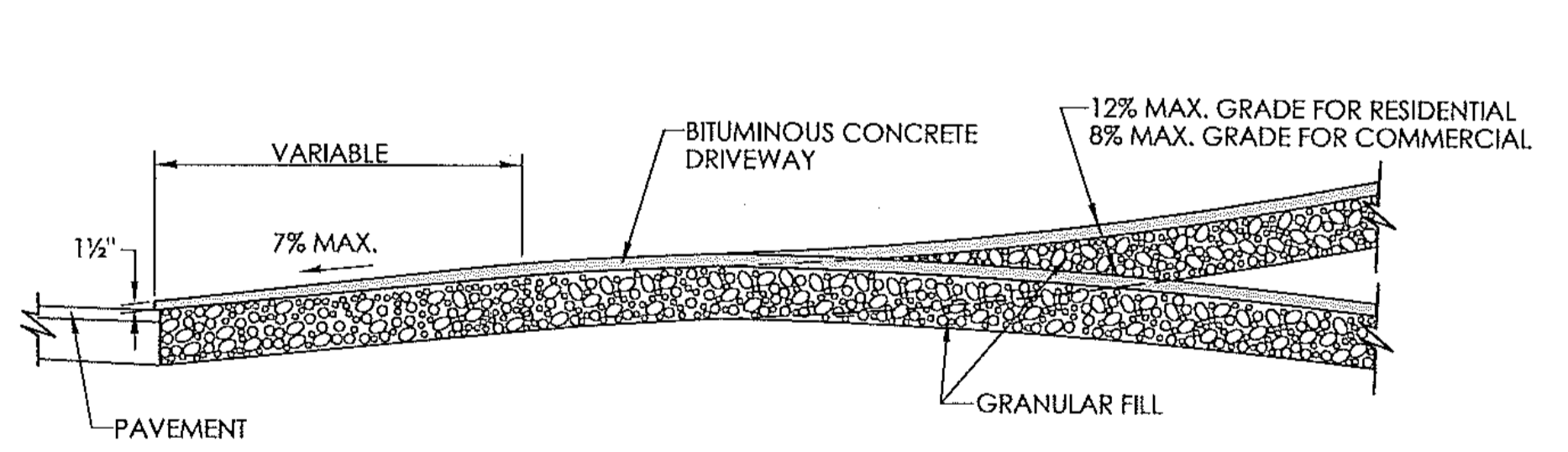
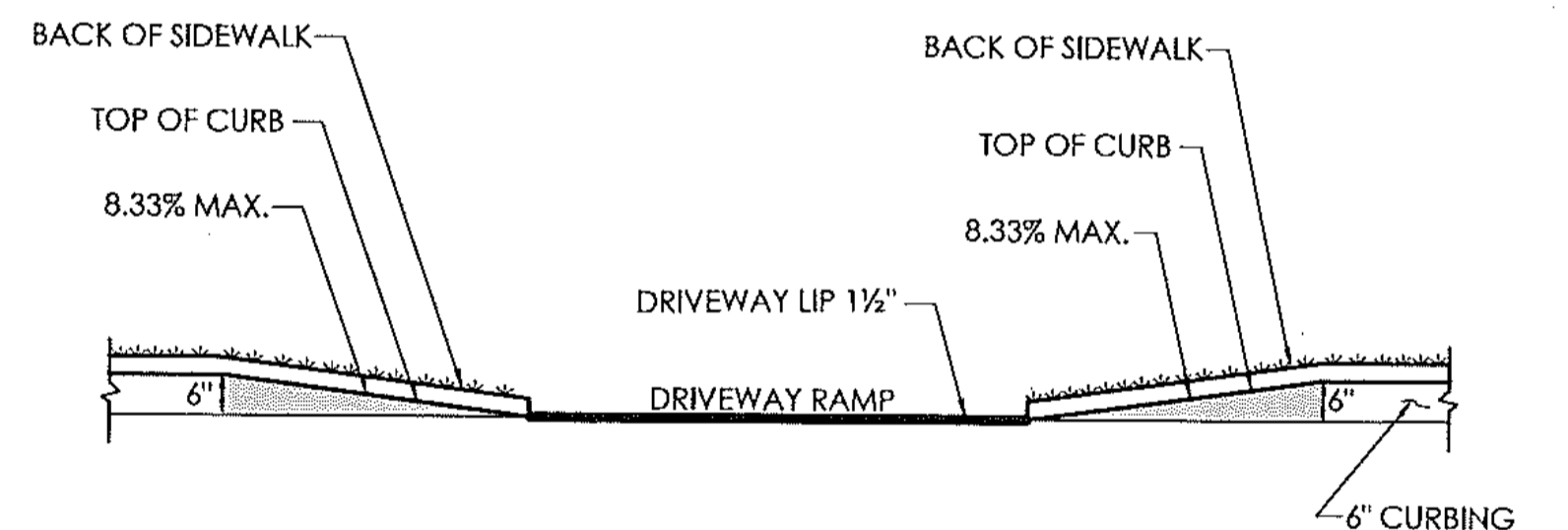
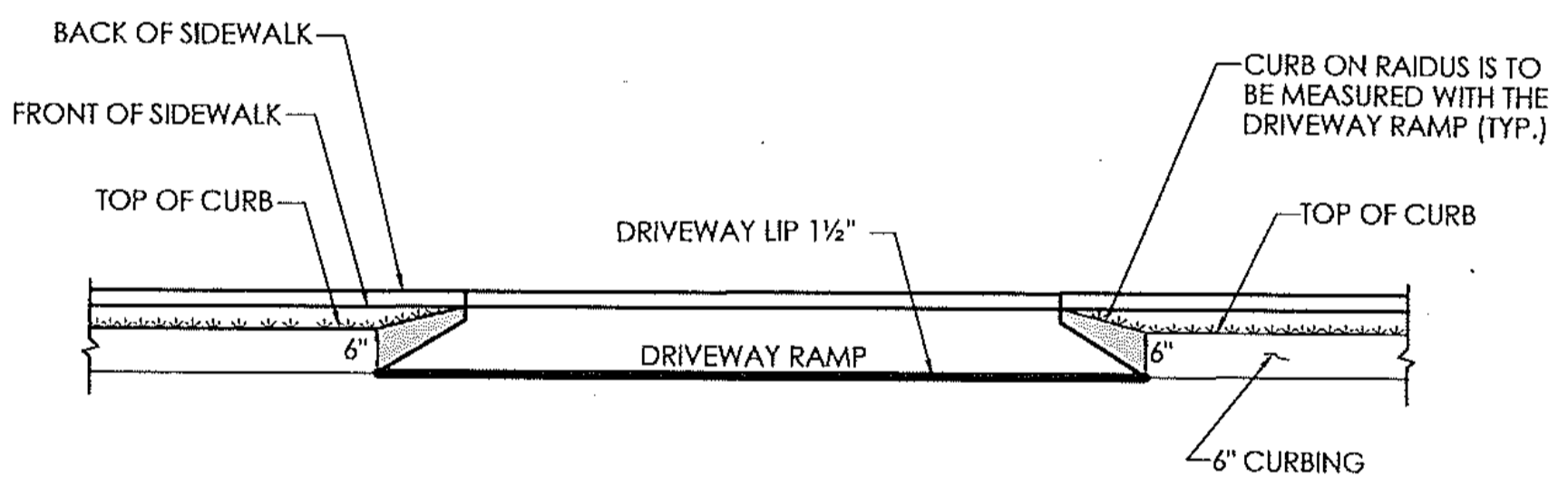
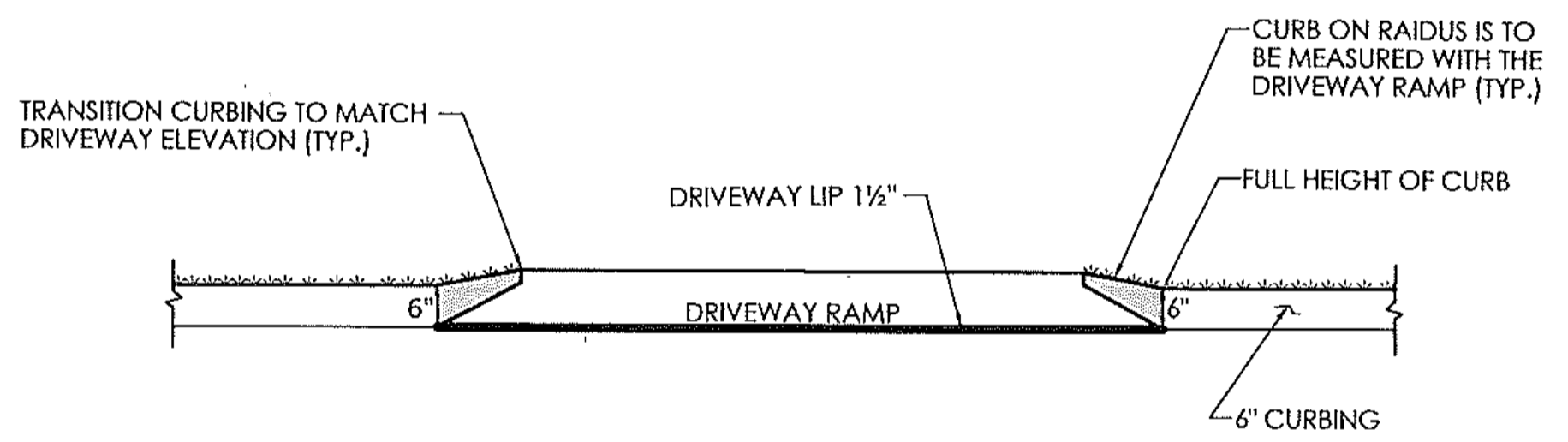
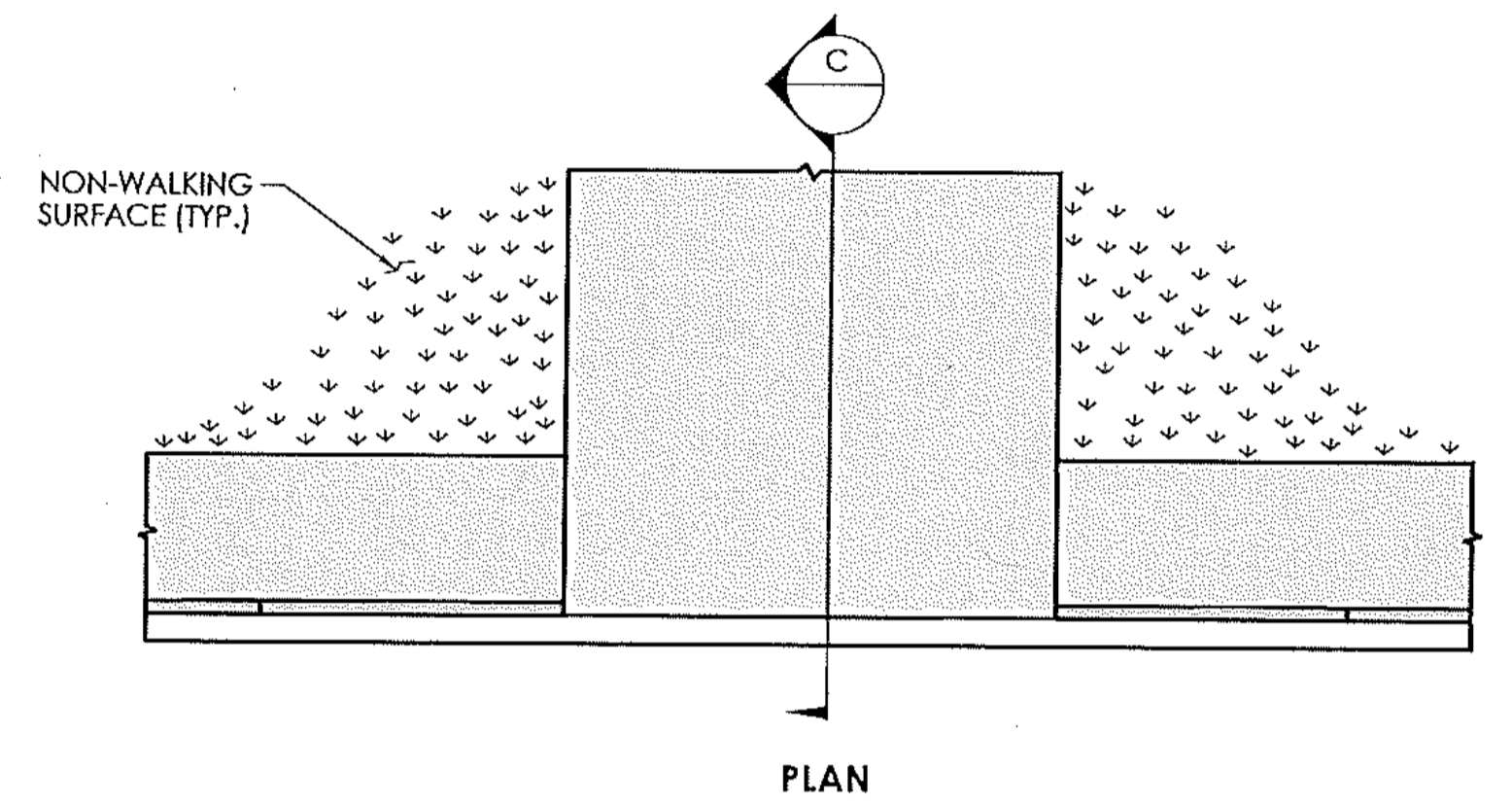
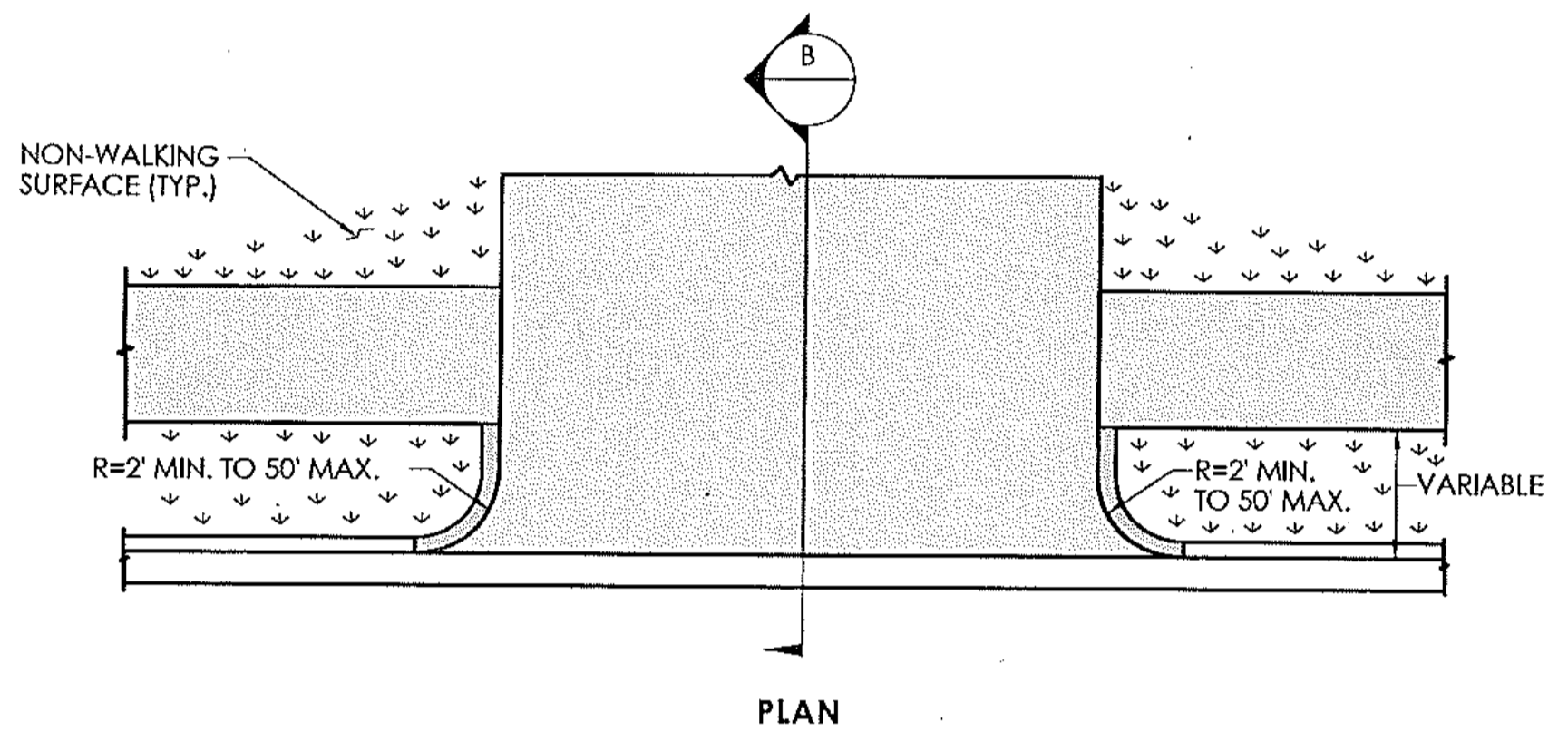
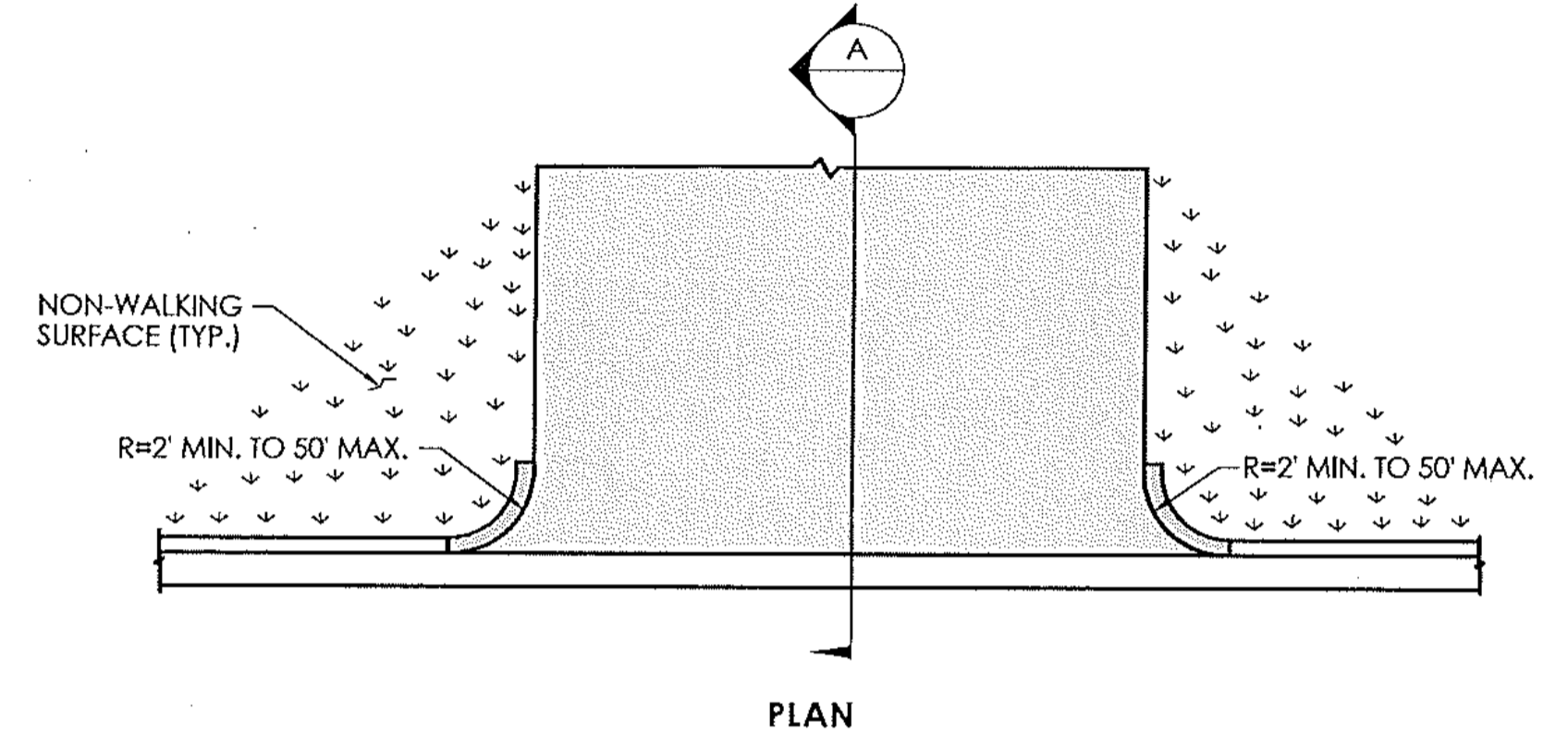
BITUMINOUS CONCRETE DRIVEWAY

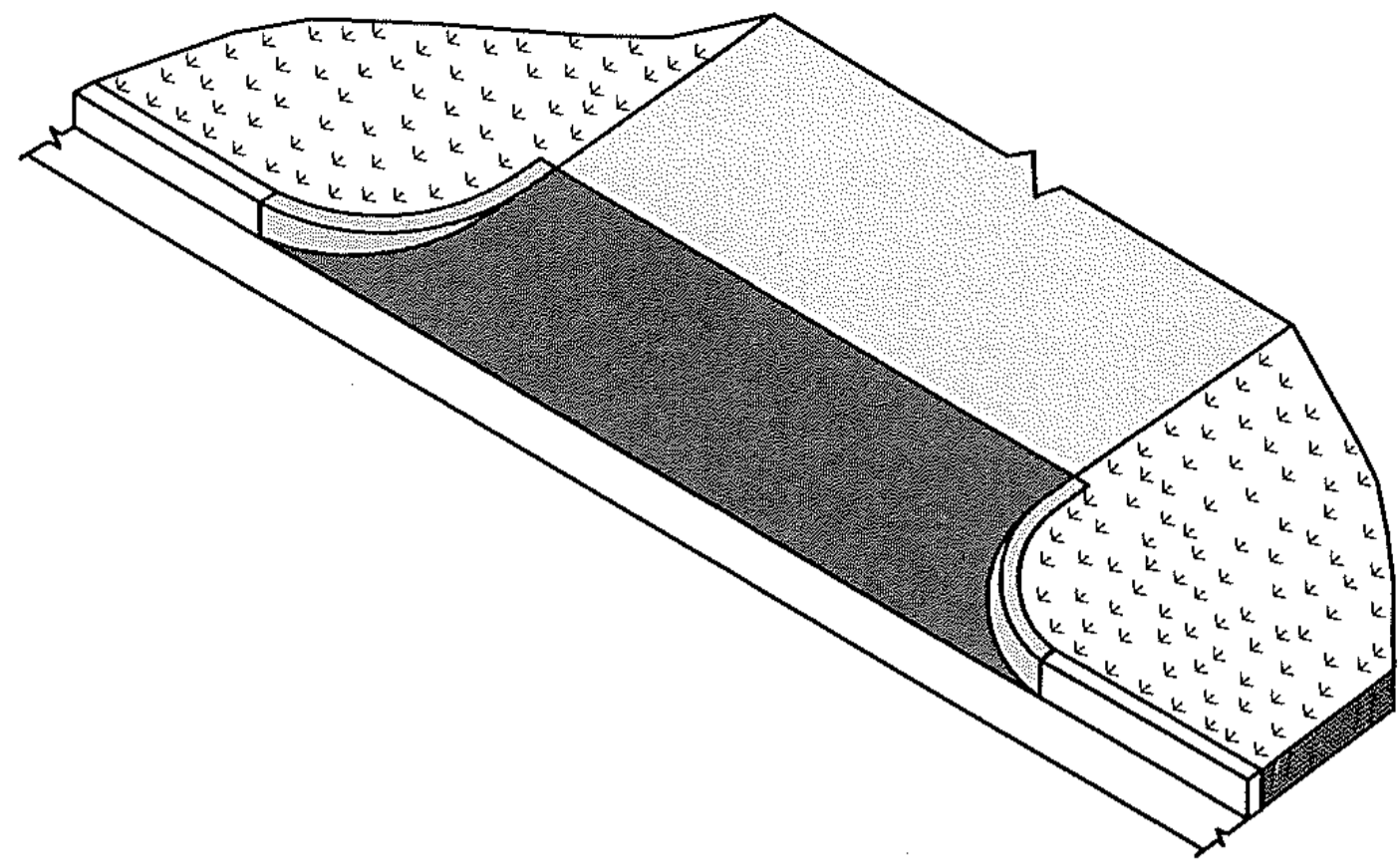


BITUMINOUS CONCRETE DRIVEWAY WITH A PEDESTRIAN SIDEWALK SETBACK

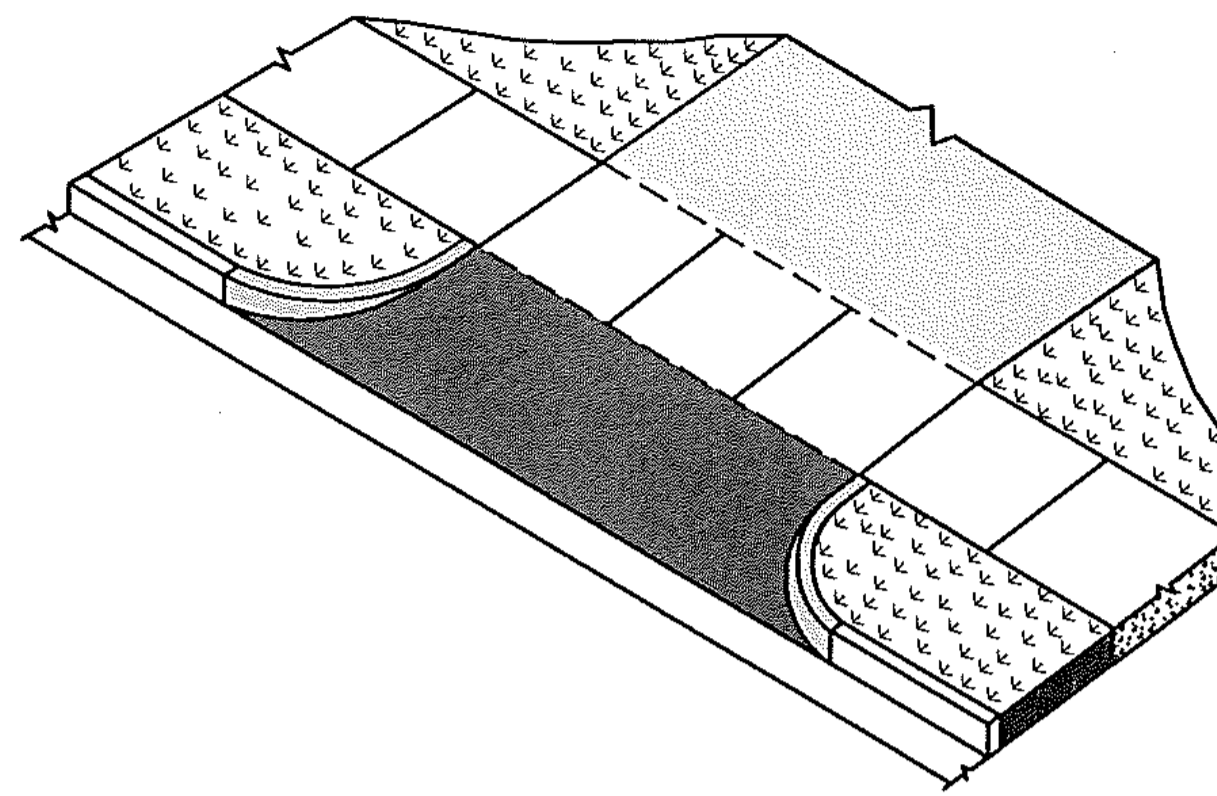


BITUMINOUS CONCRETE DRIVEWAY WITH PEDESTRIAN SIDEWALK AT THE CURB

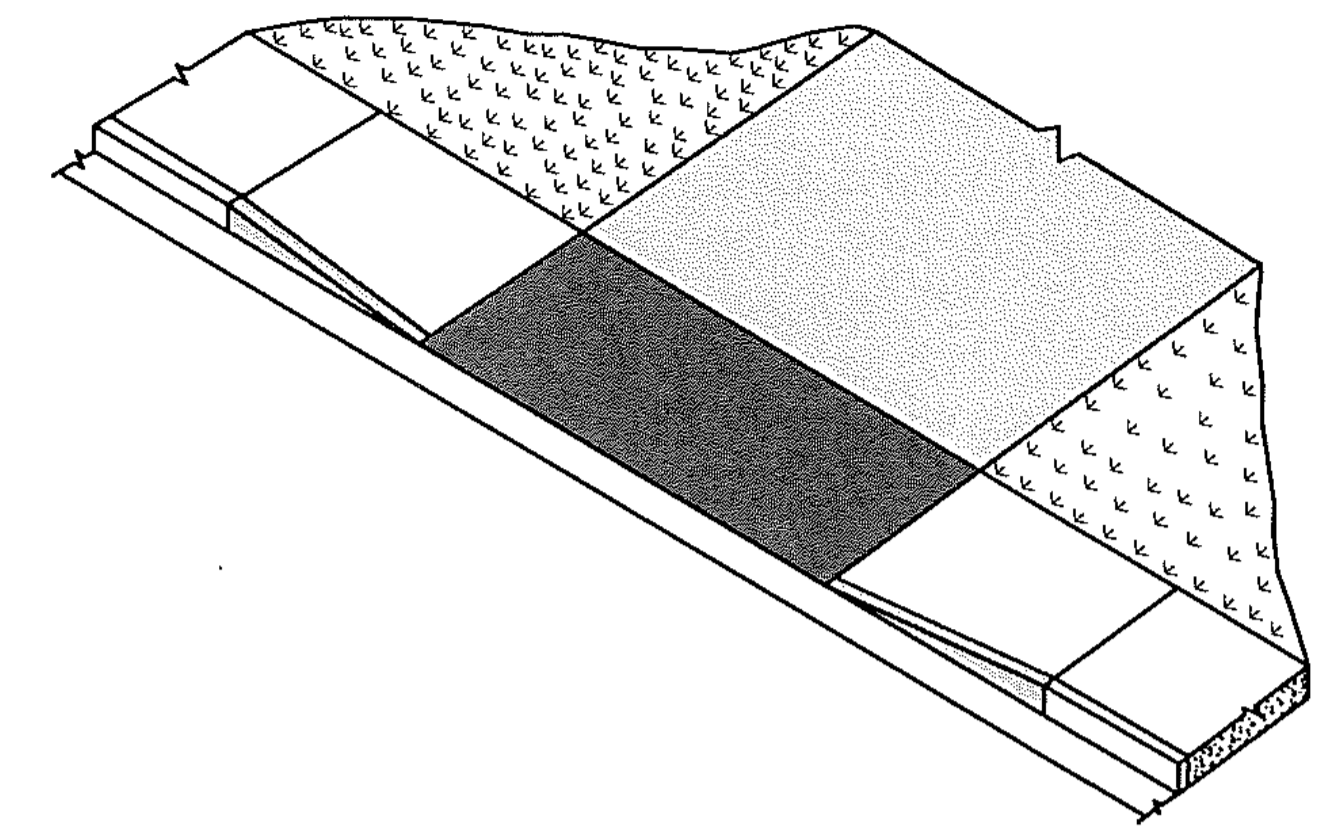




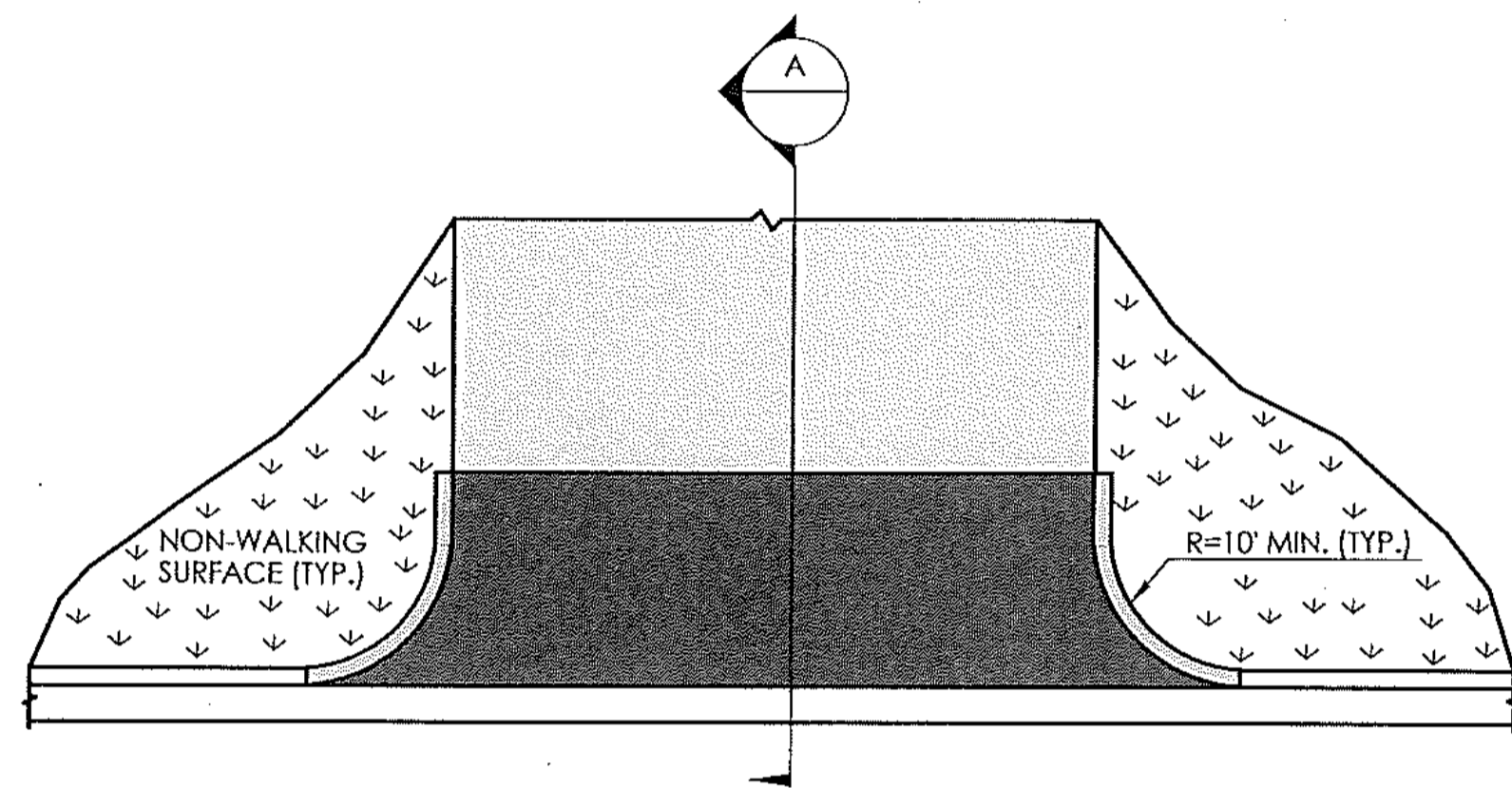
CONCRETE DRIVEWAY RAMP



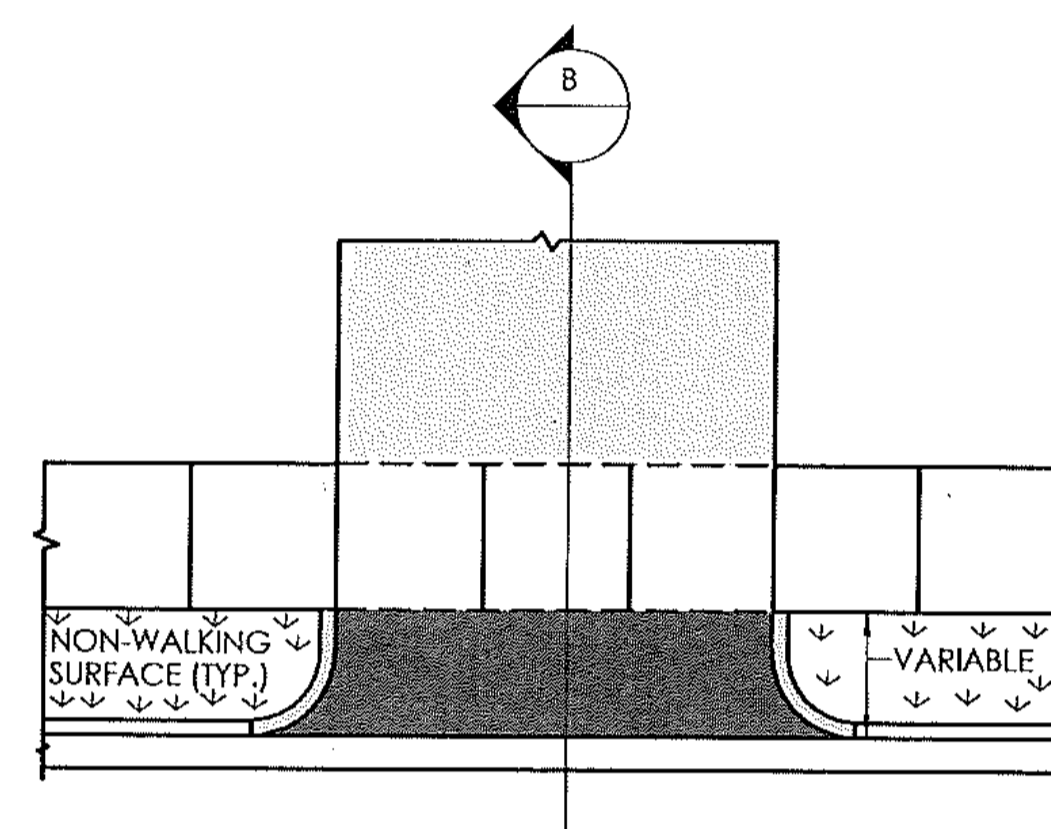
CONCRETE DRIVEWAY RAMP WITH A PEDESTRIAN SIDEWALK SETBACK



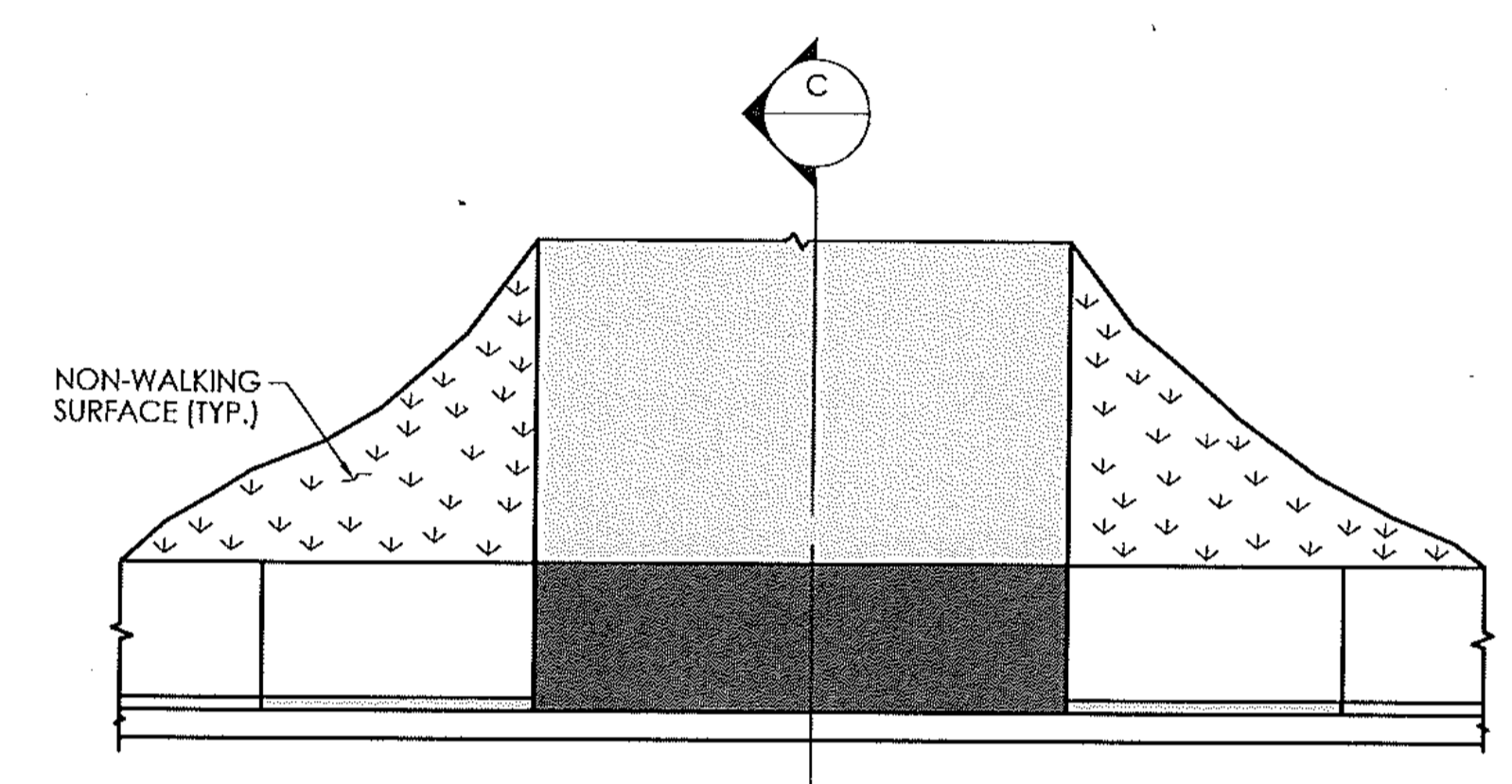
CONCRETE DRIVEWAY RAMP WITH PEDESTRIAN SIDEWALK AT THE CURB



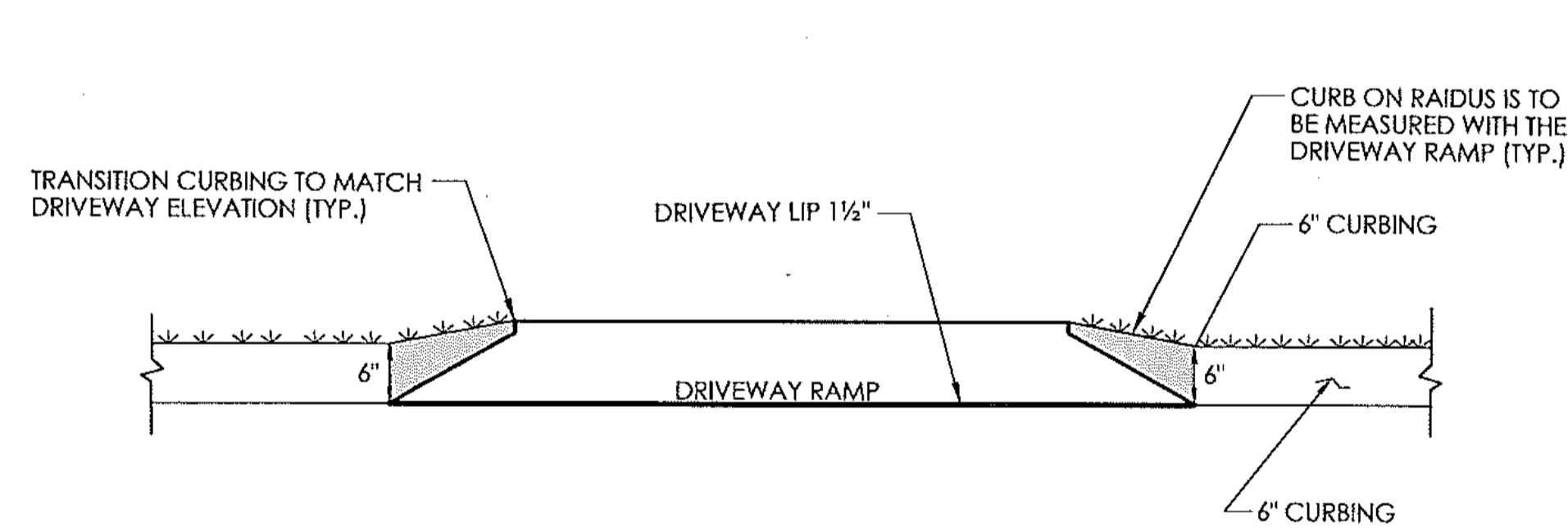
PLAN



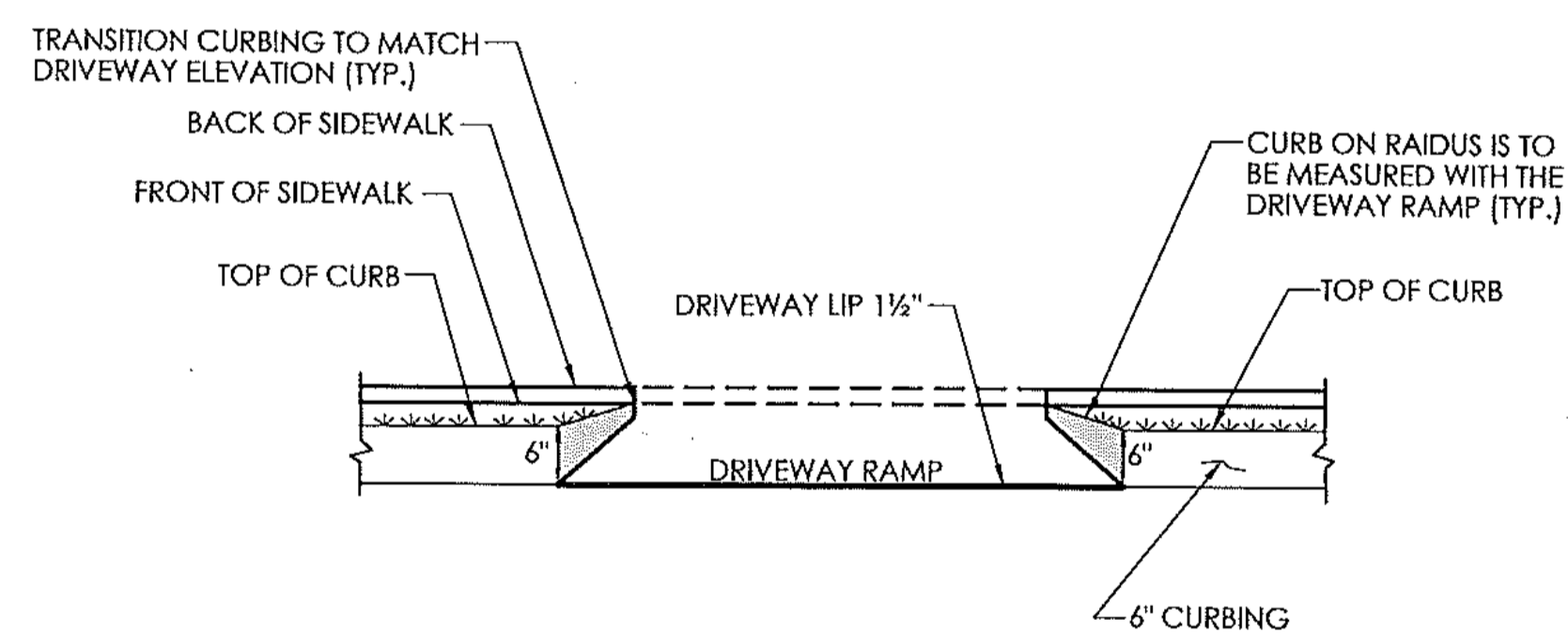
PLAN



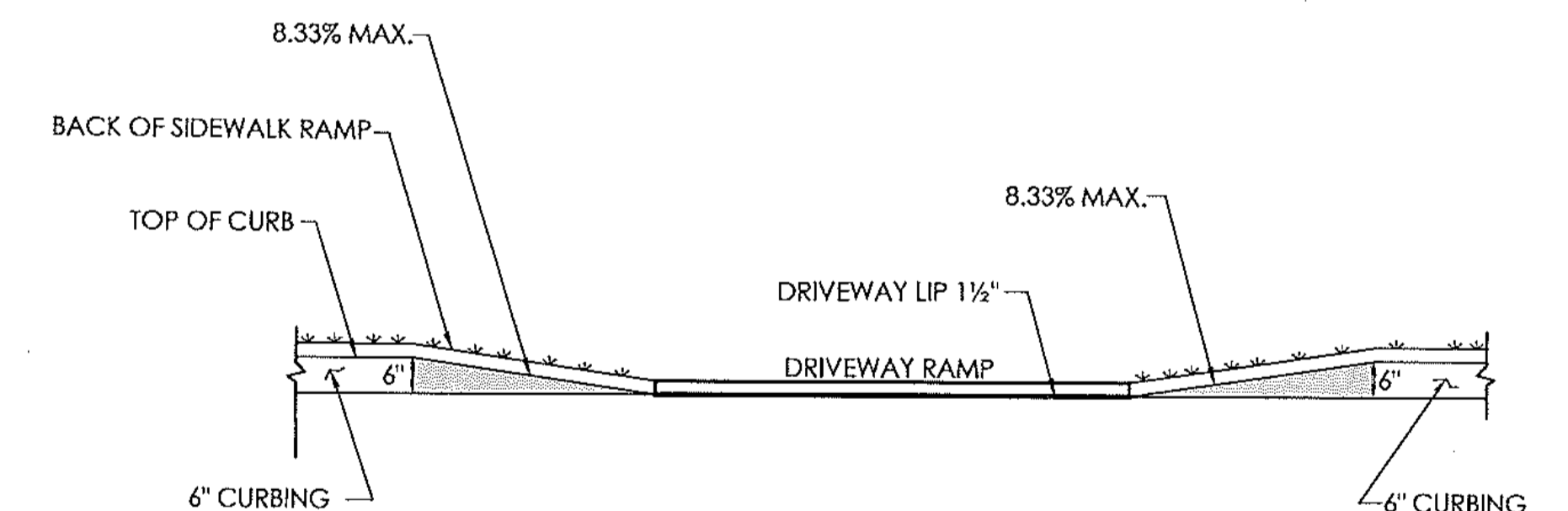
PLAN



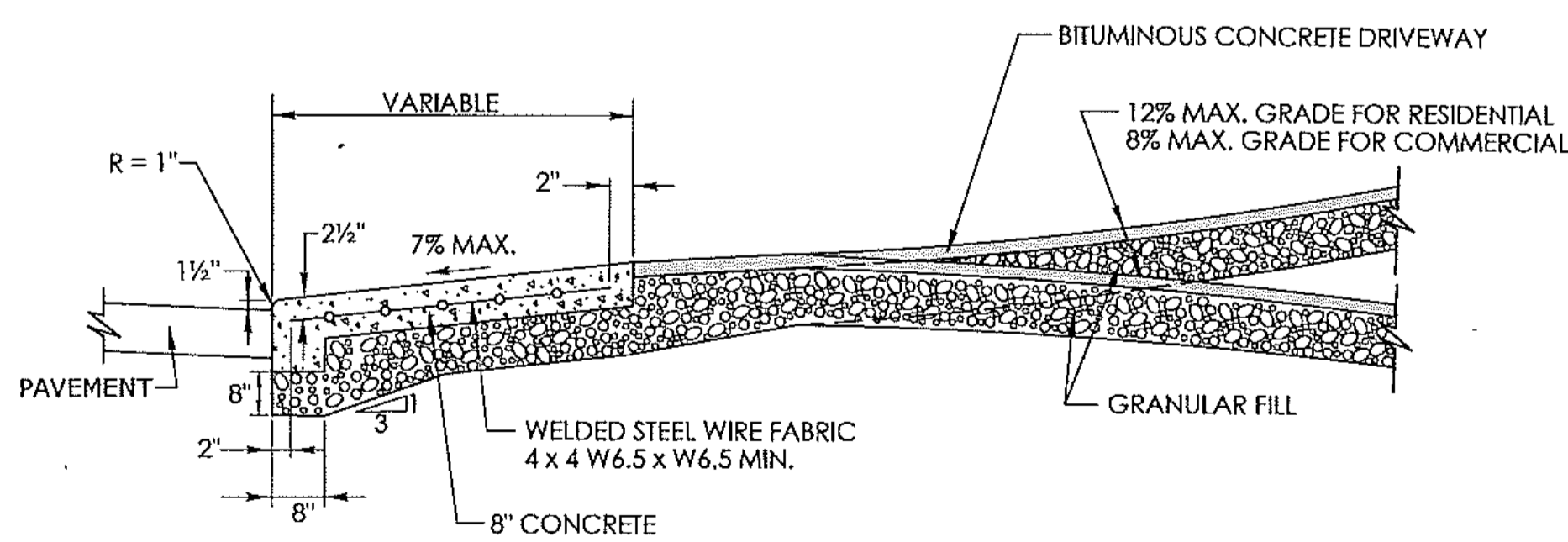
ELEVATION



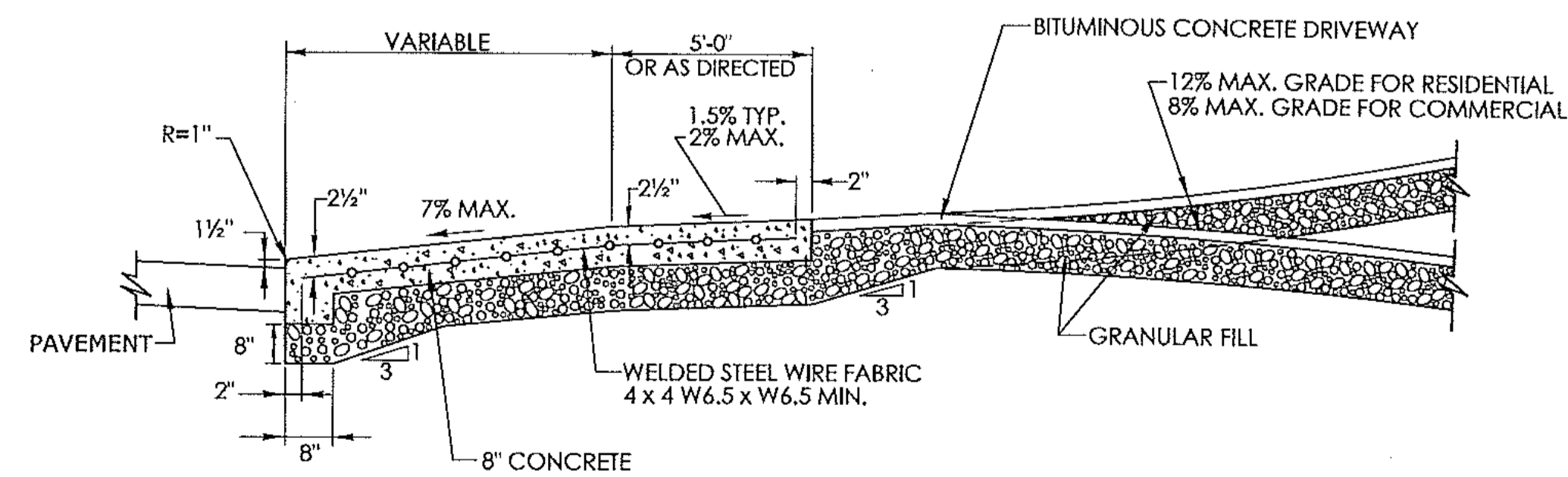
ELEVATION



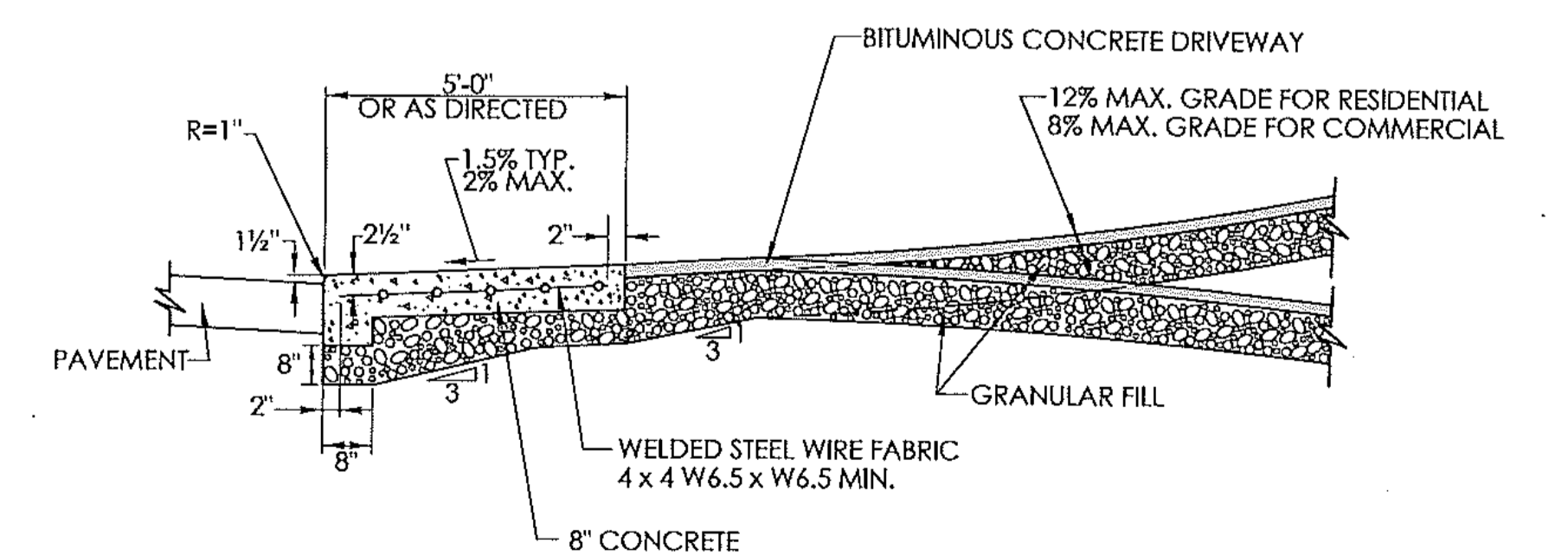
ELEVATION



SECTION A



SECTION B



SECTION C

NOT TO SCALE

SIGNATURE BLOCK:
OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
HEVINGTON, CT 06111

SUBMITTED BY:
Digitally signed by
Leo Fontaine, P.E.
Date: 2022.10.05
14:20:04-0400'

APPROVED BY:
Digitally signed by
Michael Calabrese,
Date: 2022.11.09
14:04:44-0500'



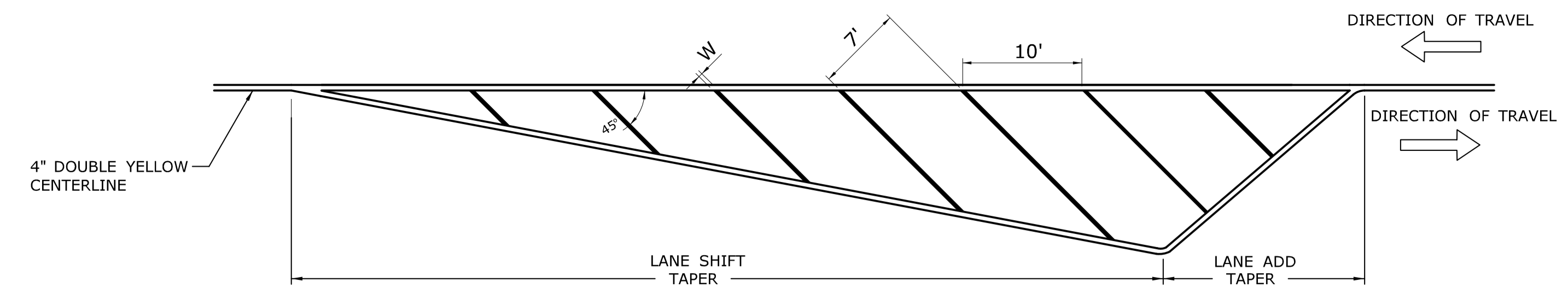
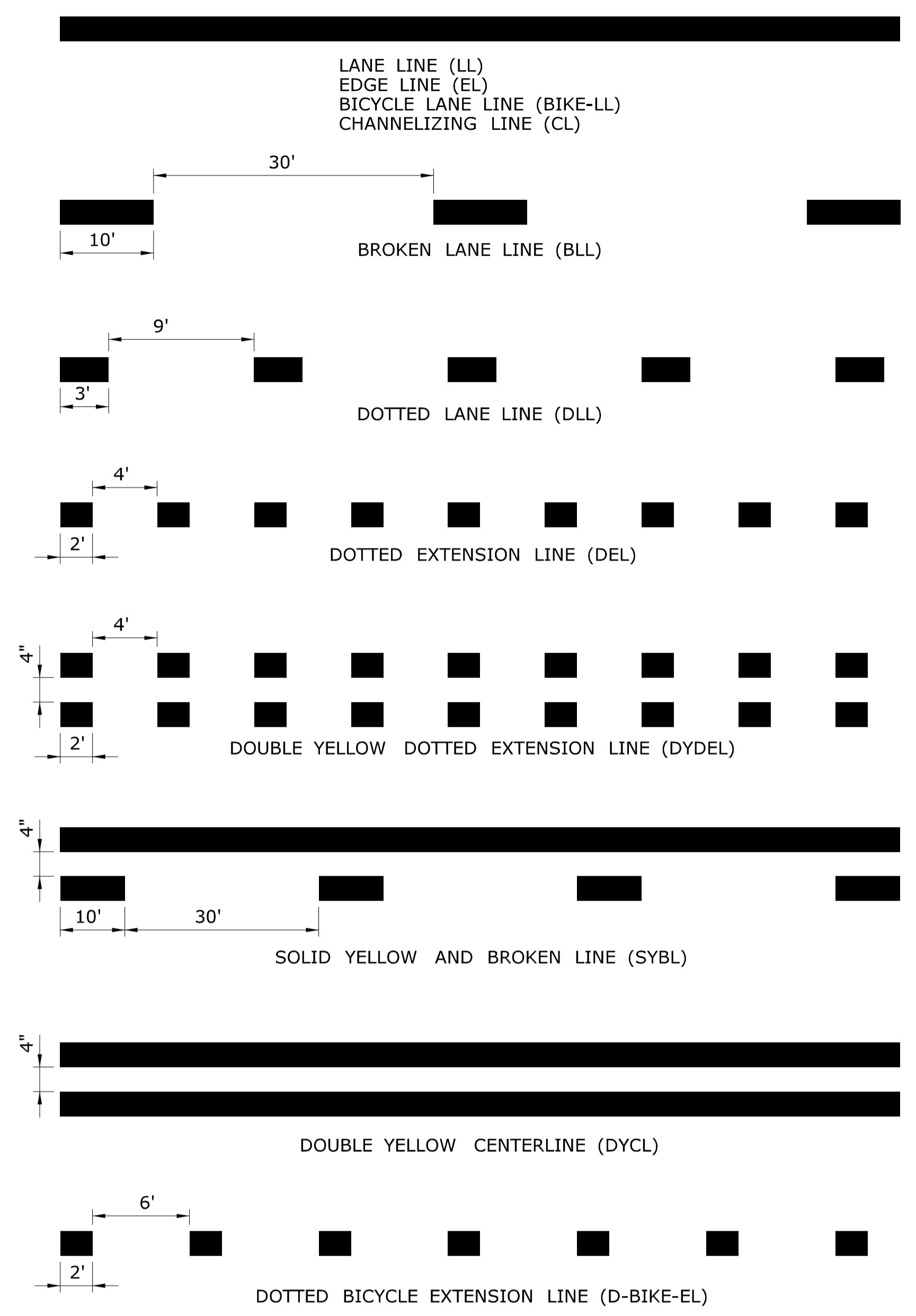
CTDOT
STANDARD SHEET

STANDARD SHEET TITLE:

CONCRETE DRIVEWAY RAMPS

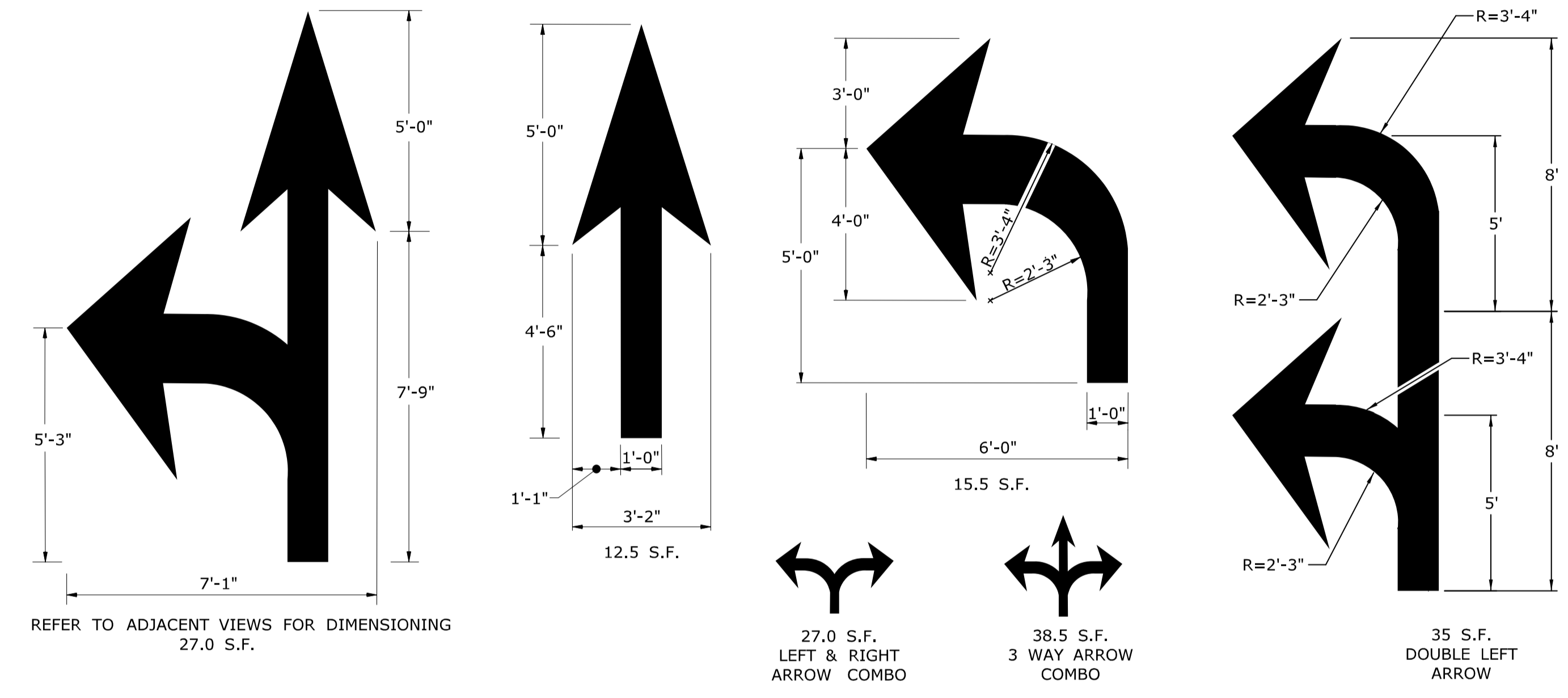
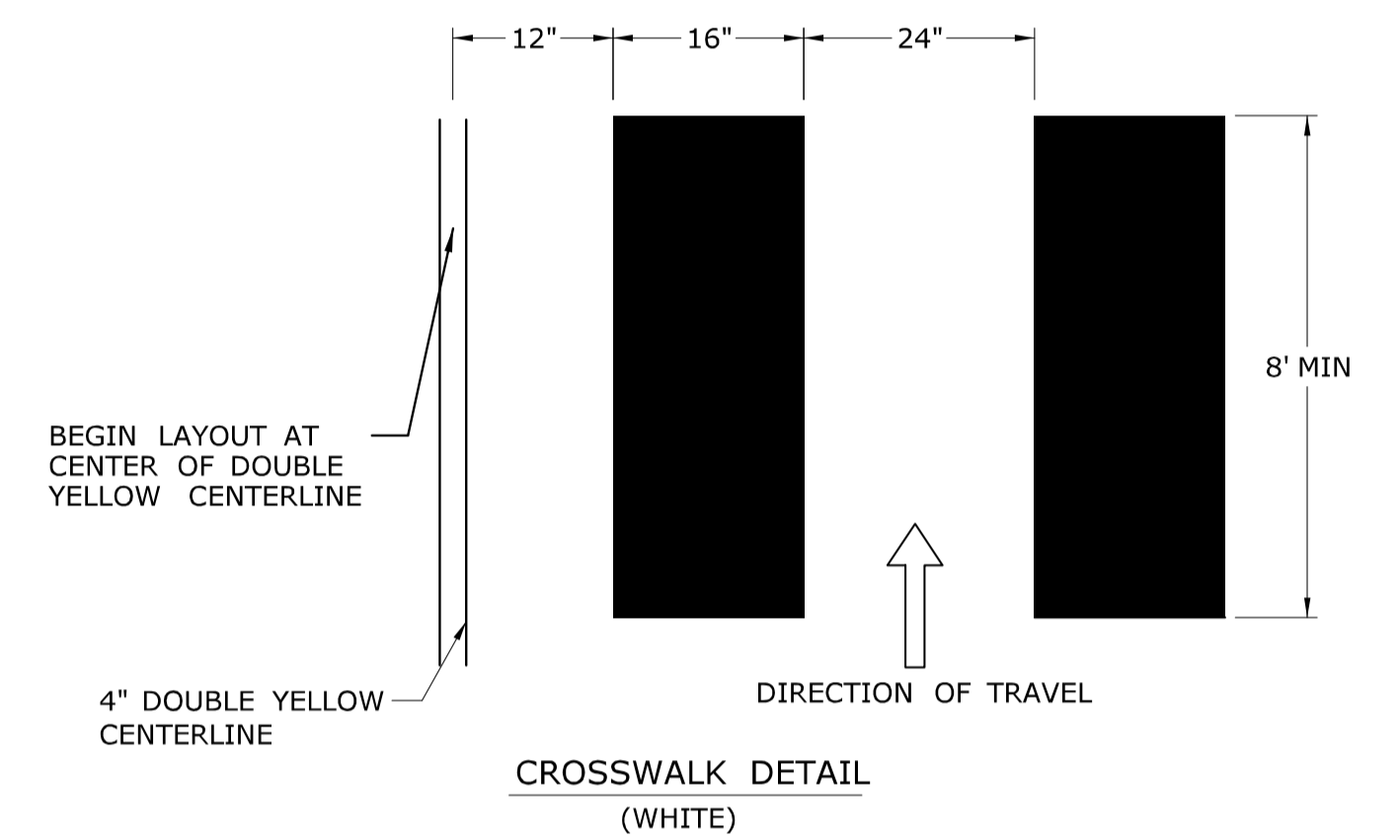
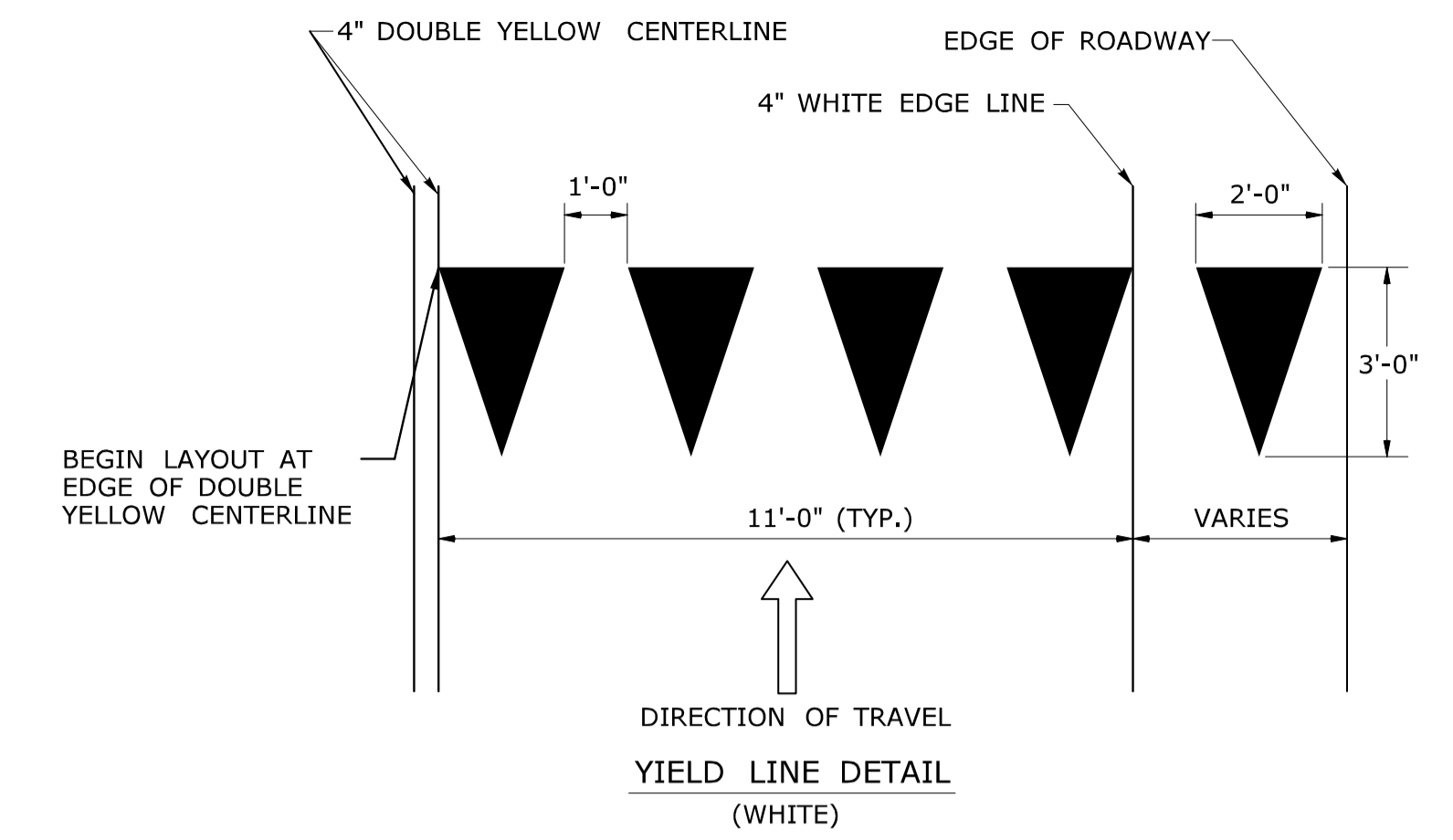
STANDARD SHEET NO.:

HW-924_01



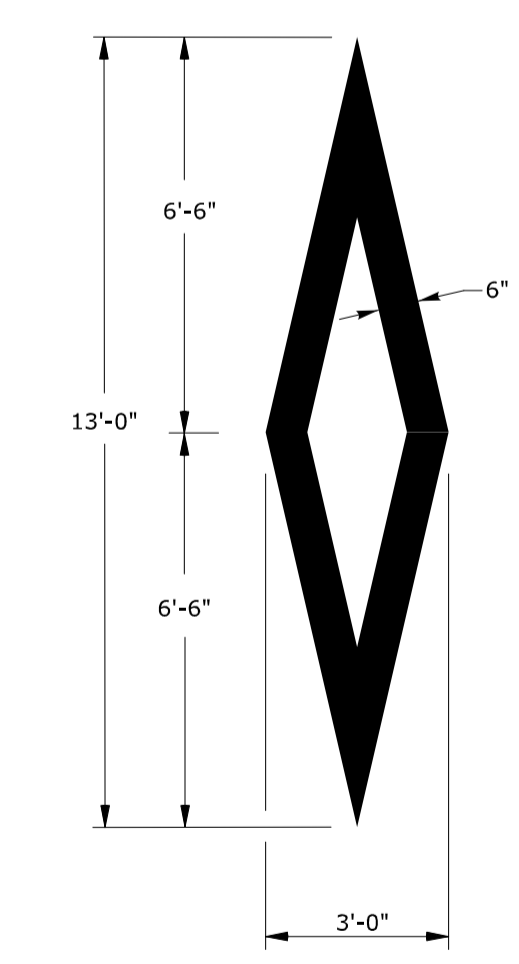
CROSS HATCHED ISLAND DETAIL
(YELLOW)

W IS TO BE 6" WHEN POSTED SPEED ≤ 45 MPH
W IS TO BE 12" WHEN POSTED SPEED > 45 MPH
CROSS HATCHED ISLANDS ARE TO BE INSTALLED WHERE CALLED FOR ON THE PLANS

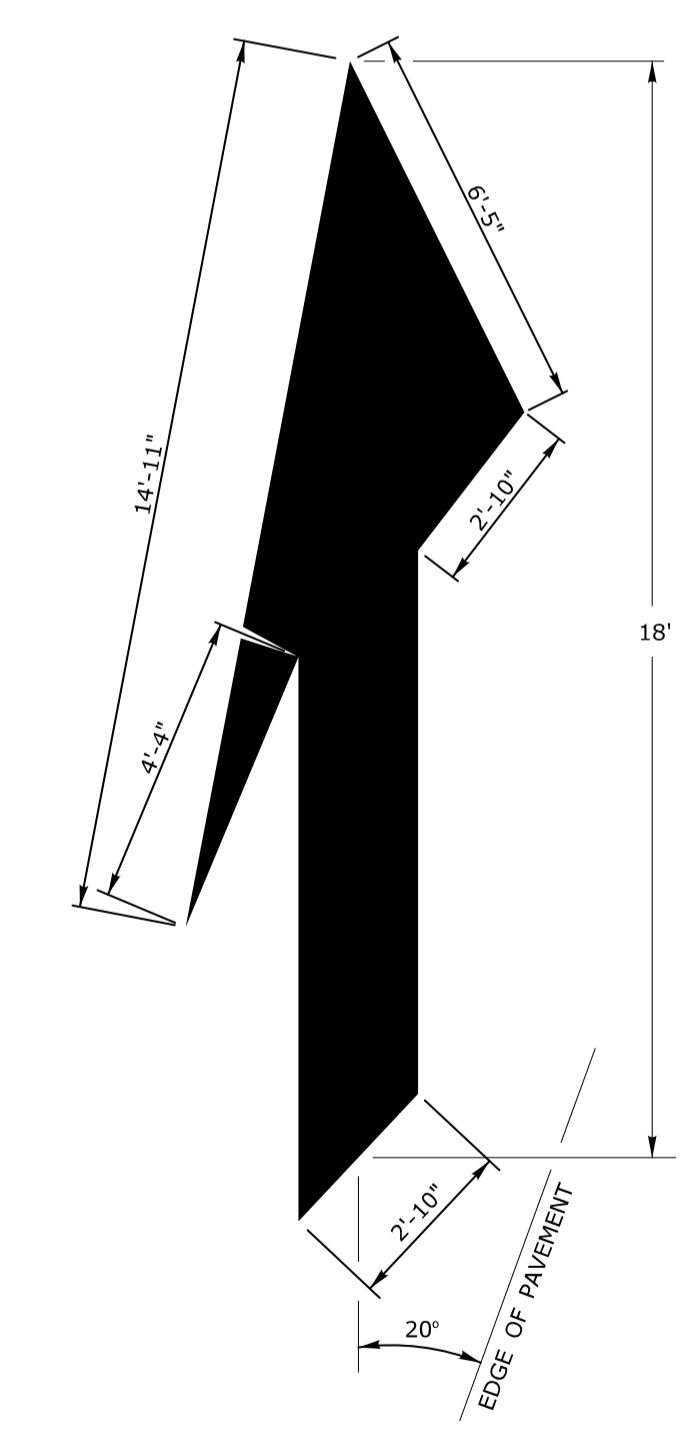


PAVEMENT ARROW DETAILS
(WHITE)

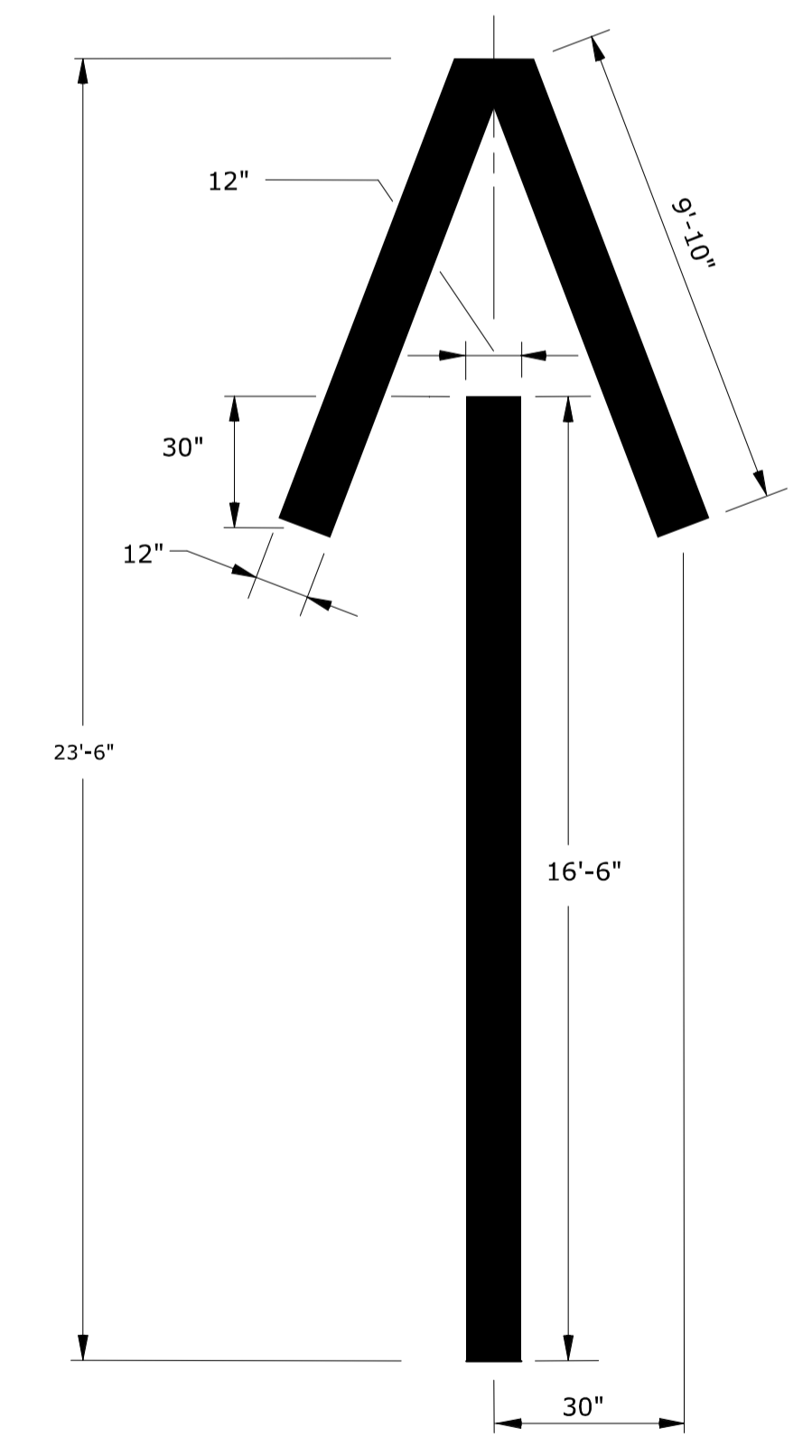
ARROWS SHALL BE CENTERED IN TRAVEL LANE



WHITE PREFERENTIAL
LANE SYMBOL
13.0 S.F.



WHITE LANE
REDUCTION ARROW
41.8 S.F.



WHITE WRONG WAY
PAVEMENT ARROW
36.2 S.F.

- NOTES :
1. AREA OF PAVEMENT MARKINGS AS INDICATED IS APPROXIMATE.
 2. RIGHT TURN PAVEMENT MARKING ARROWS ARE MIRROR IMAGE OF LEFT TURN PAVEMENT MARKING ARROWS.

REV.	DATE	REVISION DESCRIPTION
1	8-2018	REMOVED ROUNDABOUT MARKINGS.

Plotted Date: 8/10/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

File name: TR-1210_04.dgn Model: CT_Civil_2D_Sheet

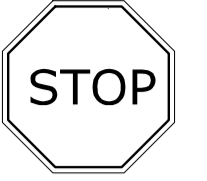
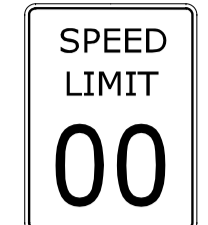



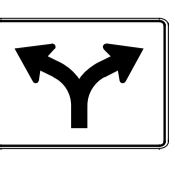
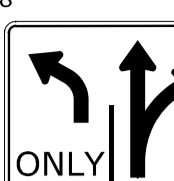
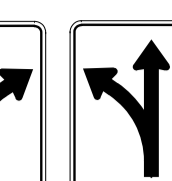


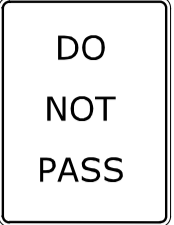
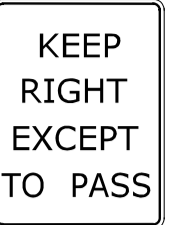
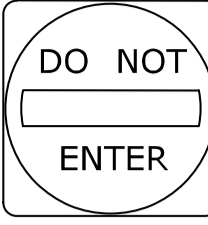
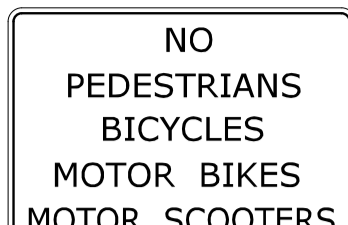
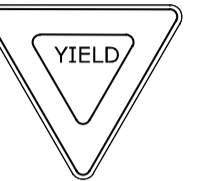
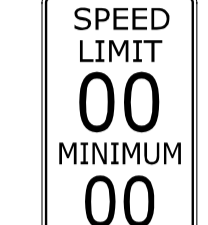



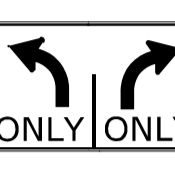
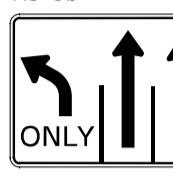
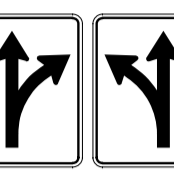

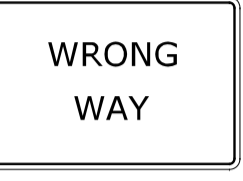






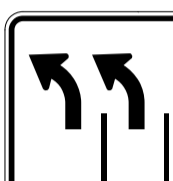




SUBMITTED BY: NAME/DATE/TIME:
Mark F. Makuch, P.E. 2018.08.17 09:07:44-04'00'



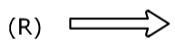
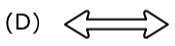



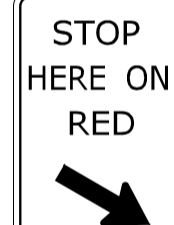
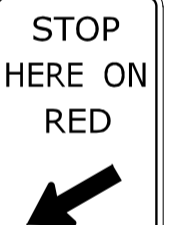
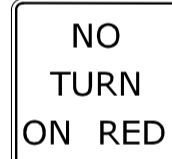
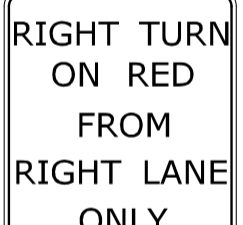
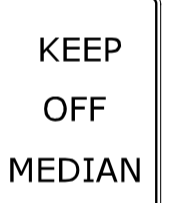

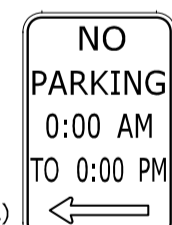
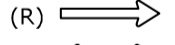
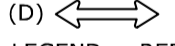


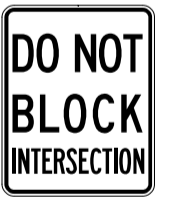
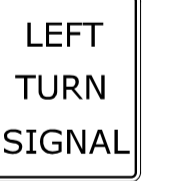
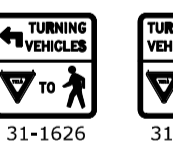

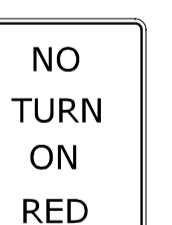
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OFFICE OF ENGINEERING




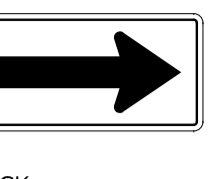

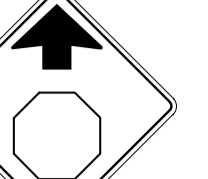







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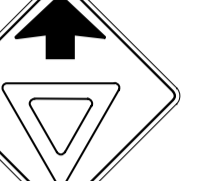
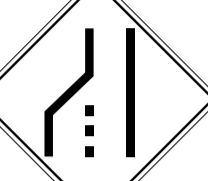
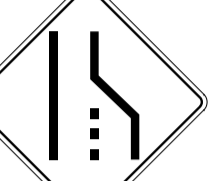

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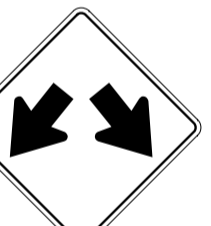
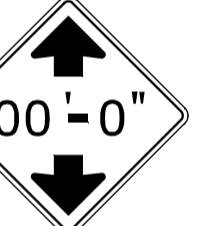

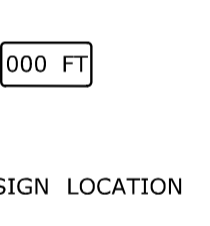
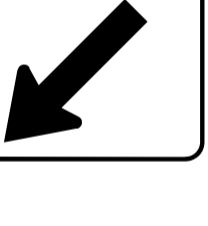


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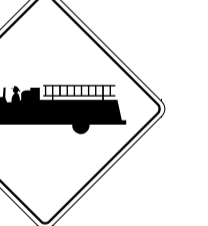

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REV. DATE REVISION DESCRIPTION SHEET NO.				NOT TO SCALE		FILENAME: ...CTDOT_TRAFFIC_GS.dgn				DRAWING TITLE: TR-GS_01 SIGN FACE SHEET ALUMINUM		SHEET NO. MDS-5			

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12.00 48 41-2113 2 .100	9.00 36 41-4031 1 .080					9.00 36 41-4160 1 .080					12.50 60X30 41-4262 2 .100					9.00 36 41-4236 1 .080					16.00 48 41-0503 2 .100					16.00 48 41-4452 2 .100					16.00 48 41-4459 2 .100					16.00 48 41-4404 2 .100					16.00 48 41-4330 2 .100					9.00 36 41-4530 1 .080					16.00 48 41-4508 2 .100					16.00 48 41-4521 2 .100				

W1-2 					W1-2 					W1-7 					W2-2  (LEFT OR RIGHT)					W3-2  TRIANGLE - RED & WHITE					W4-2 					W4-2 					W6-3 				
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W9 - SERIES					W11 - SERIES					W12 - SERIES					W13 - SERIES					W16 - SERIES					RETROREFLECTIVE STRIP																																		
W9-1 					W9-1 					W11-2  LEGEND - BLACK BACKGROUND - FLUORESCENT YELLOW GREEN					W12-1 					W12-2 					W13-1P  (SUBPLATE)					W16-2aP  (SUBPLATE) USE AT ADVANCE SIGN LOCATION LEGEND - BLACK BACKGROUND - FLUORESCENT YELLOW GREEN					W16-7PL  (SUBPLATE) USE AT CROSSWALK LEGEND - BLACK BACKGROUND - FLUORESCENT YELLOW GREEN					W16-7PR  (SUBPLATE) USE AT CROSSWALK LEGEND - BLACK BACKGROUND - FLUORESCENT YELLOW GREEN					W16-9P  (SUBPLATE) USE AT ADVANCE SIGN LOCATION LEGEND - BLACK BACKGROUND - FLUORESCENT YELLOW GREEN					LEGEND - N/A BACKGROUND - FLUORESCENT YELLOW GREEN					LEGEND - N/A BACKGROUND - FLUORESCENT YELLOW GREEN				
AREA (SQ. FT.) SIZE (INCHES) CONN. D.O.T. # POSTS ALUM. THK.					AREA (SQ. FT.) SIZE (INCHES) CONN. D.O.T. # POSTS ALUM. THK.					AREA (SQ. FT.) SIZE (INCHES) CONN. D.O.T. # POSTS ALUM. THK.					AREA (SQ. FT.) SIZE (INCHES) CONN. D.O.T. # POSTS ALUM. THK.					AREA (SQ. FT.) SIZE (INCHES) CONN. D.O.T. # POSTS ALUM. THK.					AREA (SQ. FT.) SIZE (INCHES) CONN. D.O.T. # POSTS ALUM. THK.					AREA (SQ. FT.) SIZE (INCHES) CONN. D.O.T. # POSTS ALUM. THK.					AREA (SQ. FT.) SIZE (INCHES) CONN. D.O.T. # POSTS ALUM. THK.					AREA (SQ. FT.) SIZE (INCHES) CONN. D.O.T. # POSTS ALUM. THK.																			
9.00 36 41-4443 1 .080					9.00 36 41-4440 1 .080					6.25 30 41-4829 1 .080					6.25 30 41-4213 1 .080					9.00 36 41-4706 1 .080					2.25 18X18 41-5566 .080					2.00 24X12 41-6140 .080					2.00 24X12 41-2617 .080					2.00 24X12 41-2619 .080					2.00 24X12 41-6126 .080					2.00 4X72 41-5010 1 .080					1.50 4X48 41-5001 1 .080				
16.00 48 41-4444 2 .100					16.00 48 41-4445 2 .100					9.00 36 41-4830 1 .080					9.00 36 41-4215 1 .080					16.00 48 41-4708 2 .100					4.00 24X24 41-5567 .080					6.25 30X30 41-5574 .080																													

W9-2 					W9-2 					W11-8 					LEFT LANE (SUBPLATE)					RIGHT LANE (SUBPLATE)					W13-2  (SUBPLATE)					W16-2aP 41-6130 000 FT 41-6134 0000 FT (SUBPLATE) USE AT ADVANCE SIGN LOCATION					NOTES: 1. FOR SPECIFIC SIGN DESIGN CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERRECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS. 2. POSTS - SEE STANDARD SHEET TR-1208.02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS." 3. POSTS SHALL BE 4 LBS./FT. 4. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED. 5. FLUORESCENT YELLOW RETROREFLECTIVE STRIPS SHALL BE INSTALLED ON ALL SIGN POSTS FOR W1-6 AND W1-8 SIGNS. FLUORESCENT YELLOW GREEN RETROREFLECTIVE STRIPS SHALL BE INSTALLED ON ALL SIGN POSTS FOR S1-1 AND W11-2 SIGNS LOCATED AT CROSSINGS. RETROREFLECTIVE STRIPS SHOULD NOT BE INSTALLED ON ADVANCE CROSSING WARNING SIGNS. SEE STANDARD SHEET TR-1208.01 "SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS" FOR RETROREFLECTIVE STRIP DETAILS AND INSTALLATION. COLORS: BACKGROUND - YELLOW - EXCEPT AS NOTED. LEGEND - BLACK - EXCEPT AS NOTED. ALL SIGNS TO USE TYPE XI RETROREFLECTIVE SHEETING.														
AREA (SQ. FT.) SIZE (INCHES) CONN. D.O.T. # POSTS ALUM. THK.					AREA (SQ. FT.) SIZE (INCHES) CONN. D.O.T. # POSTS ALUM. THK.					AREA (SQ. FT.) SIZE (INCHES) CONN. D.O.T. # POSTS ALUM. THK.					AREA (SQ. FT.) SIZE (INCHES) CONN. D.O.T. # POSTS ALUM. THK.					AREA (SQ. FT.) SIZE (INCHES) CONN. D.O.T. # POSTS ALUM. THK.					AREA (SQ. FT.) SIZE (INCHES) CONN. D.O.T. # POSTS ALUM. THK.																								
9.00 36 41-4454 1 .080					9.00 36 41-4453 1 .080					6.25 30 41-4680 1 .080					5.00 30X24 41-4721 .080					5.00 30X24 41-4722 .080					12.00 36X48 41-5596 2 .100																								
16.00 48 41-4455 2 .100					16.00 48 41-4455 2 .100					9.00 36 41-4681 1 .080																																							

2 10-2021 REVISED SHEETING TYPE TR-GS_02	DESIGNER/DRAFTER: A. MERMELSTEIN	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/BLOCK: OFFICE OF ENGINEERING	PROJECT TITLE: SAFETY IMPROVEMENTS BUCKLAND STREET AT TOLLAND TURNPIKE AND ADAMS STREET	TOWN: MANCHESTER	PROJECT NO. 0076-0224
1 6-2018 NEW SHEET ISSUED TR-GS_02	CHECKED BY: B. SCHILLING		APPROVED BY: _____ DATE: _____	DRAWING TITLE: SIGN FACE SHEET ALUMINUM	DRAWING NO. TR-GS_02	SHEET NO. MDS-6
REV. DATE REVISION DESCRIPTION SHEET NO.	Plotted Date: 10/14/2021	NOT TO SCALE	Filename: ...CTDOT_TRAFFIC_GS.dgn			