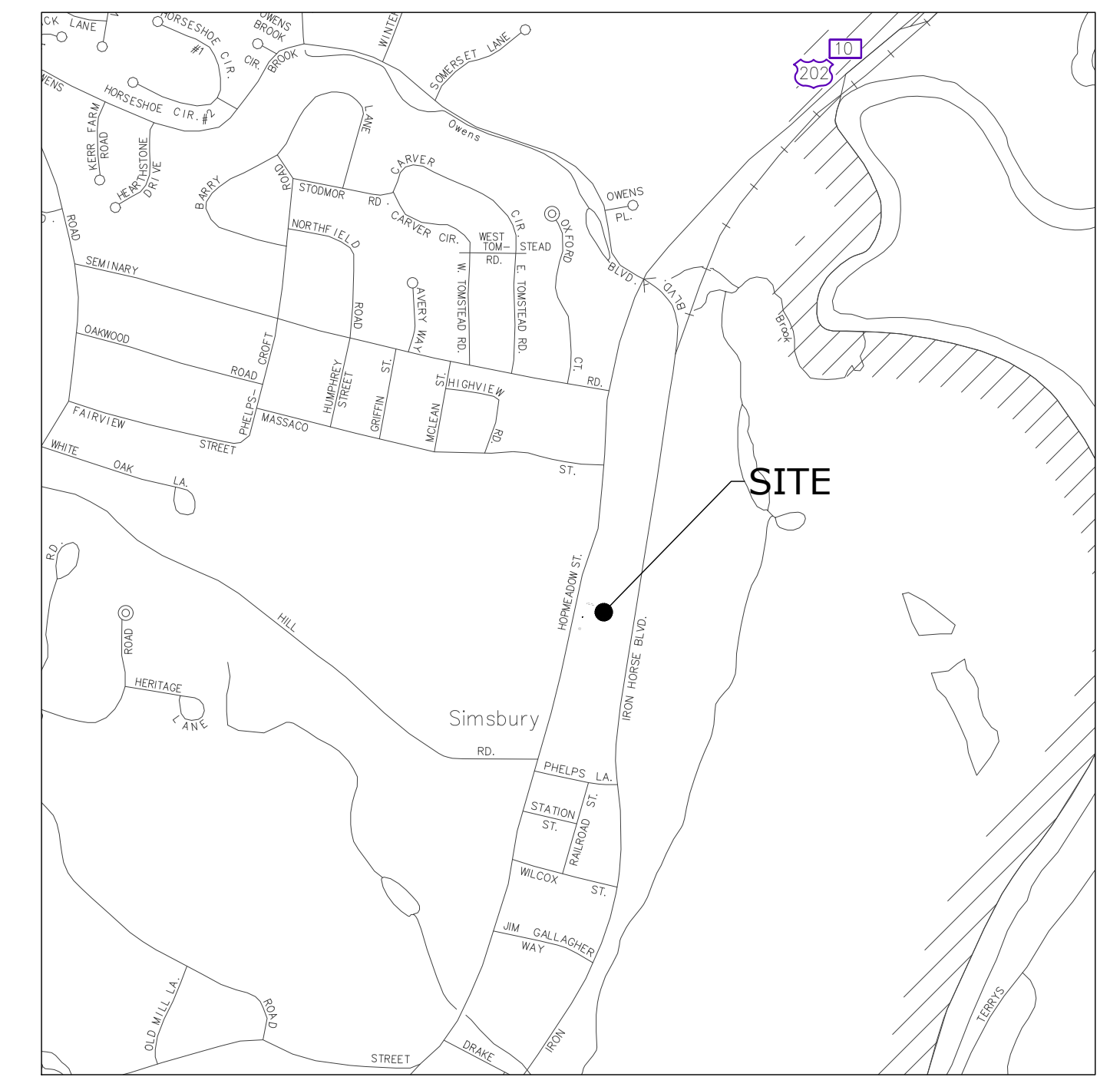


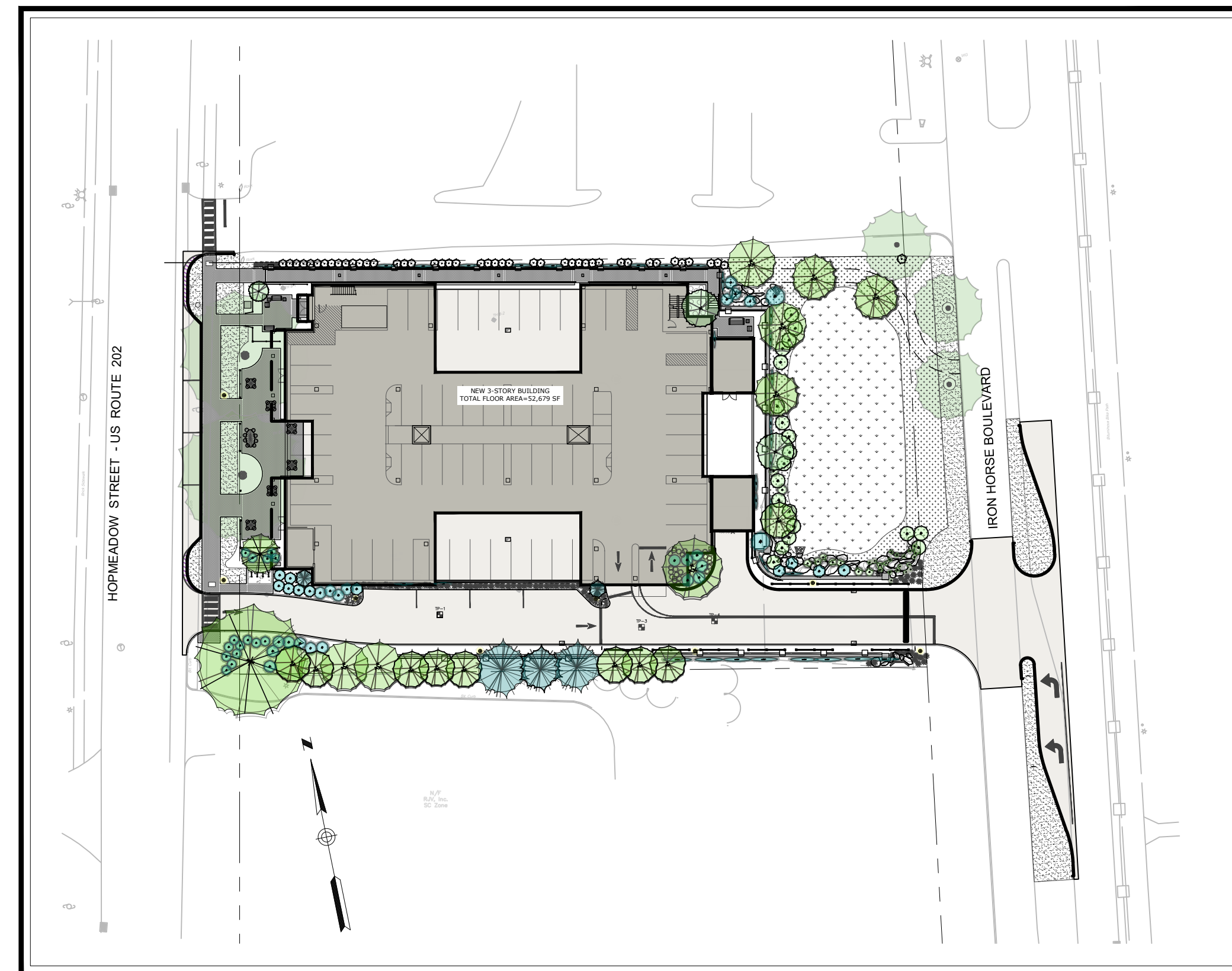
894 HOPMEADOW REDEVELOPMENT WETLANDS SUBMISSION

894 HOPMEADOW STREET
SIMSBURY, CONNECTICUT

JUNE 10, 2022
REVISED: AUGUST 9, 2023



LOCATION MAP
SCALE: 1" = 1000±



DRAWING INDEX

TITLE	DRAWING	SHEET NO.
COVER SHEET		1
SITE PREPARATION & DEMOLITION PLAN	C1	2
SITE LAYOUT PLAN	C2	3
GRADING & DRAINAGE PLAN	C3	4
UTILITY PLAN	C4	5
LANDSCAPING PLAN	L1	6
SOIL EROSION & SEDIMENT CONTROL PLAN	C5	7
SITE & DRAINAGE DETAILS	C6	8
STORMWATER MANAGEMENT DETAILS	C7	9
RETAIN IT DETAILS	C8	10
SOIL EROSION & SEDIMENT CONTROL DETAILS	C9	11



Property Owner / Applicant:

894 HOPMEADOW STREET, LLC
146 HOPMEADOW STREET
WEATOGUE, CONNECTICUT

Prepared By:

Engineer:



Loureiro Engineering Associates, Inc.
100 Northwest Drive • Plainville, Connecticut 06062
Phone: 860-747-6181 • Fax: 860-747-8822
An Employee Owned Company • www.Loureiro.com
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory

LEGEND & ABBREVIATION

SAWCUT: Dashed line with long dashes and short dashes.

TEMPORARY CONSTRUCTION FENCE: Zigzag line.

LIGHT TO BE RELOCATED/REMOVED: Circle with a dot.

TREE TO BE REMOVED: Circle with diagonal hatching.

TREE PROTECTION FENCE: Dashed rectangle.

EXISTING STRUCTURE/PORION TO BE REMOVED: Diagonal hatching.

WALK TO BE REMOVED: Cross-hatching.

PAVEMENT TO BE REMOVED: Parallel hatching.

PAVERS TO BE REMOVED: Parallel hatching with dots.

WALK TO BE REMOVED: Stippled pattern.

TYP: TYPICAL
 BIT: BITUMINOUS
 FF: FINISHED FLOOR
 UP: UTILITY POLE
 WG: WATER GATE
 DEC: DECIDUOUS
 MAX: MAXIMUM
 MIN: MINIMUM
 MH: MANHOLE
 CL&P: CONNECTICUT LIGHT AND POWER
 HELTCO: HARTFORD ELECTRIC COMPANY
 WG: WATER GATE
 TEL: TELEPHONE
 SAN: SANITARY
 BIT: BITUMINOUS
 HYD: HYDRANT

STREETLIGHT TO BE REMOVED (CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER)

WOODEN GUARDRAIL TO BE REMOVED

ALL EXISTING LAWN AREAS ON PROPERTY TO BE REMOVED

FENCING TO BE REMOVED

DRIP LINE

TREE TRUNK

PLAN

6" MAX OC

2" X 2" X 6" POST (TYP)

ORANGE PLASTIC WEB FENCE (TYP)

4" (TYP)

4" MIN

18" MIN

ELEVATION

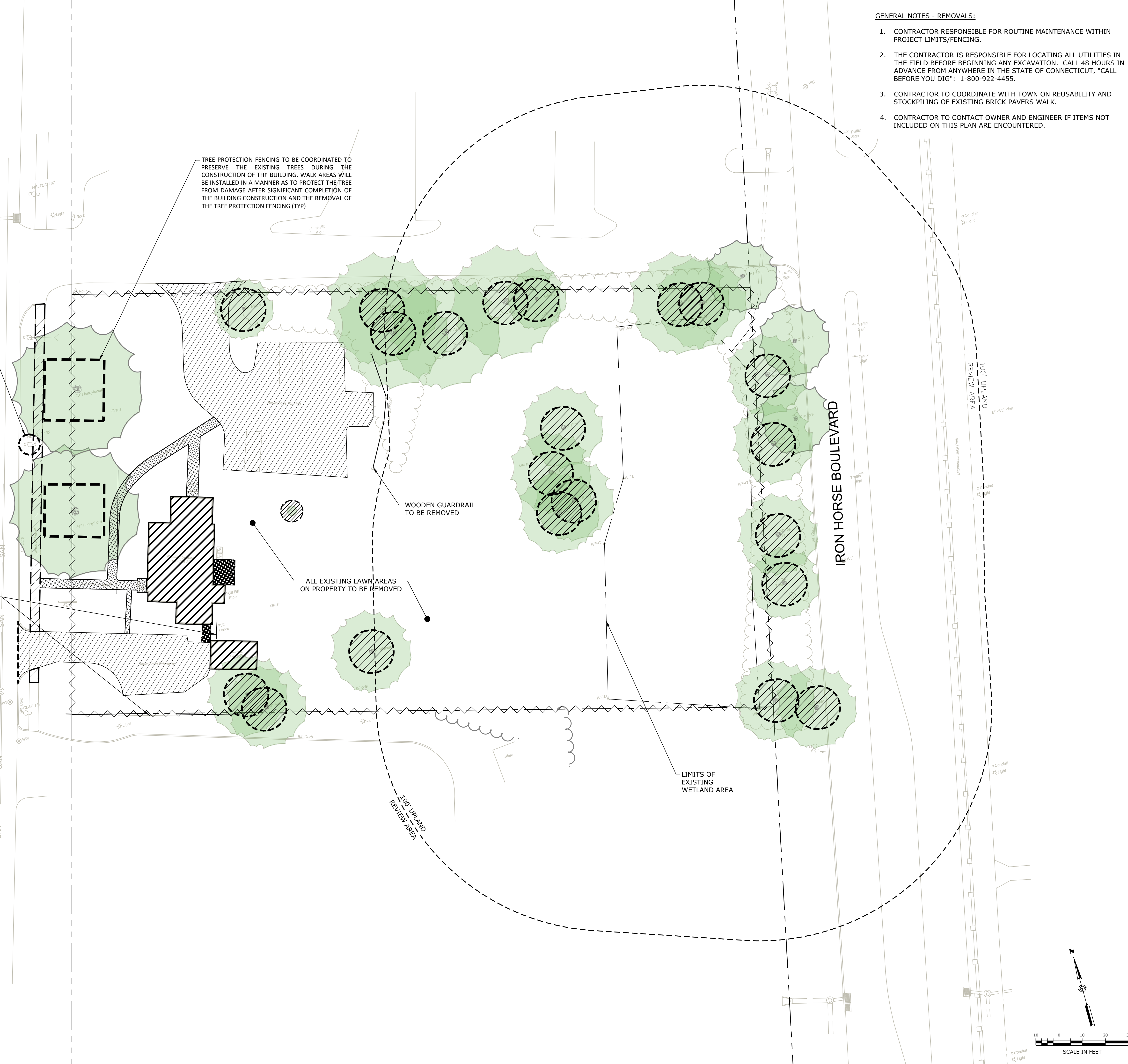
(3) EQUALLY SPACED TIES (TYP)

NOTES:

- INSTALL TREE PROTECTION FENCE AT THE DRIP LINE OF EXISTING TREES TO REMAIN (AS INDICATED ON PLANS).
- FENCING MAY BE INSTALLED CONTINUOUSLY AROUND GROUPS OF TREES TO REMAIN.
- THERE SHALL BE NO STORAGE OF MATERIALS OR EQUIPMENT WITHIN THE DRIP LINE OF TREES TO REMAIN OR PROTECTED EXCEPT WITHOUT APPROVAL OF LANDSCAPE ARCHITECT.

TREE PROTECTIVE FENCING DETAIL

SCALE: NONE



- GENERAL NOTES - REMOVALS:**
- CONTRACTOR RESPONSIBLE FOR ROUTINE MAINTENANCE WITHIN PROJECT LIMITS/FENCING.
 - THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES IN THE FIELD BEFORE BEGINNING ANY EXCAVATION. CALL 48 HOURS IN ADVANCE FROM ANYWHERE IN THE STATE OF CONNECTICUT, "CALL BEFORE YOU DIG": 1-800-922-4455.
 - CONTRACTOR TO COORDINATE WITH TOWN ON REUSABILITY AND STOCKPILING OF EXISTING BRICK PAVERS WALK.
 - CONTRACTOR TO CONTACT OWNER AND ENGINEER IF ITEMS NOT INCLUDED ON THIS PLAN ARE ENCOUNTERED.

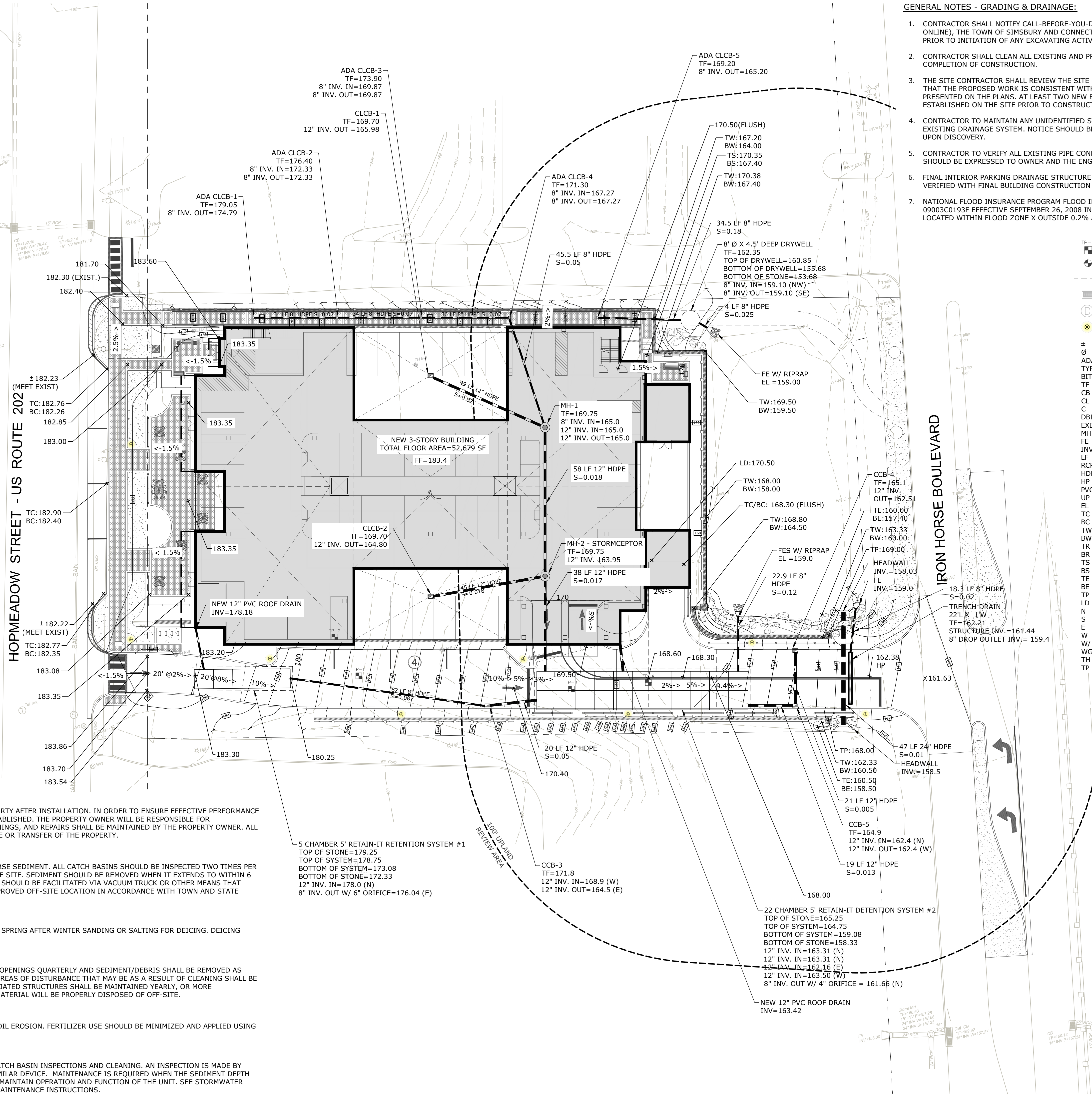
DATE	8/9/2023	TRW	APPR.
REVISIONS PER TOWN COMMENTS	1	REV.	DESCRIPTION OF REVISION
Loureiro Engineering & Construction • 6032 • Energy Services • Facility Services • Laboratory Test 100 Hopmeadow Street, Simsbury, Connecticut 06062 Phone: 860-267-9318 • Fax: 860-267-8822 All rights reserved 2021.			
SCALE	1" = 20'	CONTR. NO.	71189.01
DRAWN BY	APH	DATE	8/9/2023
APPROVED BY	TRW	DATE	8/9/2023
SITE PREPARATION & DEMOLITION PLAN 894 HOPMEADOW REDEVELOPMENT 894 HOPMEADOW STREET, SIMSBURY, CT 894 HOPMEADOW STREET, LLC			
DRAWING	C1		
SHEET NO.	2	NO. OF SHEETS	11

TEST PIT TP-1:	
DEPTH	DESCRIPTION
0-4 INCHES	SOIL COMPOSITION: TOPSOIL, ORGANICS
24-50 INCHES	SOIL COMPOSITION (EAST): LIGHT GREY F-M SAND WITH SILT OIL COMPOSITION (WEST): LIGHT GREY F-M SAND WITH SILT
50-140 INCHES	SOIL COMPOSITION: TAN MEDIUM SAND WITH SOME COBBLES, ROOTS PRESENT UP TO 50 INCHES
NO GROUNDWATER	
NO REFUSAL	
NO MOTTLING	
PERMEABILITY SAMPLE DEPTH: 60 INCHES	
PERMEABILITY: 127 FT/DAY [63.6 IN/HR]	

TEST PIT TP-2:	
DEPTH	DESCRIPTION
0-12 INCHES	SOIL COMPOSITION: TOPSOIL, VERTICAL PVC PIPE FOUND 2 INCHES BELOW GRADE
12-42 INCHES	SOIL COMPOSITION: LIGHT BROWN SILTY SAND WITH TRACE GRAVEL
42-48 INCHES	SOIL COMPOSITION: DARK BROWN SILT WITH BRICK FRAGMENTS (FILL MATERIAL)
48-120 INCHES	SOIL COMPOSITION: TAN MEDIUM-COARSE SAND WITH TRACE COBBLES, ROOTS PRESENT UP TO 42 INCHES
NO GROUNDWATER	
NO REFUSAL	
NO MOTTLING	
PERMEABILITY SAMPLE DEPTH: 50 INCHES	
PERMEABILITY: 98.4 FT/DAY [49.2 IN/HR]	

TEST PIT TP-3:	
DEPTH	DESCRIPTION
0-32 INCHES	SOIL COMPOSITION: DARK BROWN TOPSOIL
32-118 INCHES	SOIL COMPOSITION: LIGHT TAN F-M SAND, REDDISH TOWARDS THE BOTTOM
GROUNDWATER: PRESENT AT 116 INCHES	
MOTTLING: PRESENT AT 108 INCHES	
NO REFUSAL	
PERMEABILITY SAMPLE DEPTH: 50 INCHES	
PERMEABILITY: 44.4 FT/DAY [22.3 IN/HR]	

TEST PIT TP-4:	
DEPTH	DESCRIPTION
0-8 INCHES	SOIL COMPOSITION: TOPSOIL
8-36 INCHES	SOIL COMPOSITION: BROWN MEDIUM-COARSE SAND WITH SOME COBBLES
GROUNDWATER: PRESENT AT 102 INCHES	
NO MOTTLING	
NO REFUSAL	
PERMEABILITY SAMPLE DEPTH: 65 INCHES	
PERMEABILITY: 24.24 FT/DAY [12.12 IN/HR]	



- GENERAL NOTES - GRADING & DRAINAGE:**
- CONTRACTOR SHALL NOTIFY CALL-BEFORE-YOU-DIG (1-800-922-4455 OR 811 OR APPLY ONLINE), THE TOWN OF SIMSBURY AND CONNECTICUT DEPARTMENT OF TRANSPORTATION PRIOR TO INITIATION OF ANY EXCAVATING ACTIVITIES.
 - CONTRACTOR SHALL CLEAN ALL EXISTING AND PROPOSED STRUCTURES AND PIPES UPON COMPLETION OF CONSTRUCTION.
 - THE SITE CONTRACTOR SHALL REVIEW THE SITE GRADES AND FEATURES TO ENSURE THAT THE PROPOSED WORK IS CONSISTENT WITH THE EXISTING CONDITIONS AS PRESENTED ON THE PLANS. AT LEAST TWO NEW BENCHMARK WILL NEED TO BE ESTABLISHED ON THE SITE PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO MAINTAIN ANY UNIDENTIFIED STRUCTURES OR PIPES WITHIN THE EXISTING DRAINAGE SYSTEM. NOTICE SHOULD BE GIVEN TO OWNER AND THE ENGINEER UPON DISCOVERY.
 - CONTRACTOR TO VERIFY ALL EXISTING PIPE CONNECTIONS AND INVERTS. ANY CONFLICTS SHOULD BE EXPRESSED TO OWNER AND THE ENGINEER.
 - FINAL INTERIOR PARKING DRAINAGE STRUCTURE LOCATIONS AND INVERTS TO BE VERIFIED WITH FINAL BUILDING CONSTRUCTION DETAILS.
 - NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP PANEL 09003C0193F EFFECTIVE SEPTEMBER 26, 2008 INDICATES THE SUBJECT PROPERTY IS LOCATED WITHIN FLOOD ZONE X OUTSIDE 0.2% ANNUAL CHANCE FOR FLOODING.

LEGEND & ABBREVIATIONS

TP-X	TEST PIT
BT	TEST BORING
---	GRADE BREAK LINE
▭	EXISTING CATCH BASIN
○	EXISTING DRAINAGE MANHOLE
●	NEW LIGHT FIXTURE
±	PLUS OR MINUS
∅	DIAMETER
ADA	AMERICANS WITH DISABILITIES ACT
TYP	TYPICAL
BIT	BITUMINOUS
CB	CATCH BASIN
CL	CATCH BASIN TYPE "CURBLESS"
C	CATCH BASIN TYPE "CURBED"
DBL	DOUBLE
EXIST	EXISTING
MH	DRAINAGE MANHOLE
FL	FLARED END
INV	INVERT
LF	LINEAR FEET
RCP	REINFORCED CONCRETE PIPE
HDPE	HIGH DENSITY POLY ETHYLENE
HP	HIGH POINT
PVC	POLYVINYL CHLORIDE
UP	UTILITY POLE
EL	ELEVATION
TC	TOP OF CURB
BC	BOTTOM OF CURB
TW	TOP OF WALL
BW	BOTTOM OF WALL
TR	TOP OF RAMP
BR	BOTTOM OF RAMP
TS	TOP OF STAIRS
BS	BOTTOM OF STAIRS
TE	TOP OF EMBANKMENT
BE	BOTTOM OF EMBANKMENT
TP	TOP OF POST
LD	LOADING DOCK
N	NORTH
S	SOUTH
E	EAST
W	WEST
WG	WATER GATE
TH	TEST BORING
TP	TEST PIT

STORMWATER MANAGEMENT SYSTEM MAINTENANCE PROGRAM:

THERE SHALL BE PERIODIC MAINTENANCE OF THE STORMWATER SYSTEMS ON THE PROPERTY AFTER INSTALLATION. IN ORDER TO ENSURE EFFECTIVE PERFORMANCE OF THE SYSTEM, THE FOLLOWING STORMWATER MAINTENANCE PROGRAM HAS BEEN ESTABLISHED. THE PROPERTY OWNER WILL BE RESPONSIBLE FOR IMPLEMENTATION OF THIS PROGRAM. A LOG AND SCHEDULE OF ALL INSPECTIONS, CLEANINGS, AND REPAIRS SHALL BE MAINTAINED BY THE PROPERTY OWNER. ALL MAINTENANCE DOCUMENTS SHALL BE TRANSFERRED TO ANY FUTURE OWNERS UPON SALE OR TRANSFER OF THE PROPERTY.

A. CATCH BASINS/MANHOLE/TRENCH DRAINS
 CATCH BASINS ARE DESIGNED WITH SUMPS FOR THE PURPOSE OF COLLECTING COARSE SEDIMENT. ALL CATCH BASINS SHOULD BE INSPECTED TWO TIMES PER YEAR, SPECIFICALLY DURING TIMES FOR HIGH LEVELS OF MAINTENANCE AROUND THE SITE. SEDIMENT SHOULD BE REMOVED WHEN IT EXTENDS TO WITHIN 6 INCHES OF THE OUTLET PIPE INVERT OR NOT LESS THAN ONCE PER YEAR. CLEANOUT SHOULD BE FACILITATED VIA VACUUM TRUCK OR OTHER MEANS THAT ACCOMPLISH SEDIMENT REMOVAL. THE SEDIMENT SHALL BE DISPOSED OF IN AN APPROVED OFF-SITE LOCATION IN ACCORDANCE WITH TOWN AND STATE REQUIREMENTS.

B. PAVERS
 PAVER AREAS SHOULD BE SWEEPED ANNUALLY. IDEAL SWEEPING TIMEFRAME IS IN THE SPRING AFTER WINTER SANDING OR SALTING FOR DEICING. DEICING CHEMICALS SHOULD BE KEPT TO A MINIMUM DURING THE WINTER MONTHS.

C. SUBSURFACE RETENTION SYSTEMS/DRYWELL
 UNDERGROUND DETENTION SYSTEMS SHALL BE INSPECTED THROUGH THE SURFACE OPENINGS QUARTERLY AND SEDIMENT/DEBRIS SHALL BE REMOVED AS NEEDED TO ENSURE PROPER FUNCTIONING OF STRUCTURES AND INLETS/OUTLETS. AREAS OF DISTURBANCE THAT MAY BE AS A RESULT OF CLEANING SHALL BE SEEDED AND PLANTED IN ACCORDANCE WITH THE ORIGINAL PLANTING PLAN. ASSOCIATED STRUCTURES SHALL BE MAINTAINED YEARLY, OR MORE FREQUENTLY, AS REQUIRED, BY THE CONDITION OF THE SITE AND SYSTEM. WASTE MATERIAL WILL BE PROPERLY DISPOSED OF OFF-SITE.

D. LAWN AND VEGETATED AREAS
 VEGETATED COVER SHALL BE MAINTAINED ON ALL EARTH SURFACES TO MINIMIZE SOIL EROSION. FERTILIZER USE SHOULD BE MINIMIZED AND APPLIED USING CAREFUL APPLICATION PROCESSES.

E. HYDRODYNAMIC SEPARATOR (STORMCEPTOR)
 THE HYDRODYNAMIC SEPARATOR SHALL BE INSPECTED AND MAINTAINED DURING CATCH BASIN INSPECTIONS AND CLEANING. AN INSPECTION IS MADE BY CHECKING THE DEPTH OF SEDIMENT IN EACH MANHOLE WITH A GRADE STICK OR SIMILAR DEVICE. MAINTENANCE IS REQUIRED WHEN THE SEDIMENT DEPTH IN EXCEEDS 20 INCHES. MINIMUM INSPECTION IS RECOMMENDED TWICE A YEAR TO MAINTAIN OPERATION AND FUNCTION OF THE UNIT. SEE STORMWATER MANAGEMENT SYSTEM MAINTENANCE CHECKLIST FOR HYDRODYNAMIC SEPARATOR MAINTENANCE INSTRUCTIONS.

GRADING & DRAINAGE PLAN

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 894 HOPMEADOW STREET, SIMSBURY, CT

894 HOPMEADOW STREET, LLC

SCALE: 1" = 20'

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DATE: 6/8/2022

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REV.

8/9/2023

DATE

TRW

APPR.

7139.01

CONTR. NO.

7139.01

SCALE

1" = 20'

DATE

6/8/2022

DATE

6/8/2022

APPROVED BY

TRW

DATE

6/8/2022

REVISIONS PER TOWN COMMENTS

DESCRIPTION OF REVISION

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REVISIONS PER TOWN COMMENTS

DESCRIPTION OF REVISION

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REV.

8/9/2023

DATE

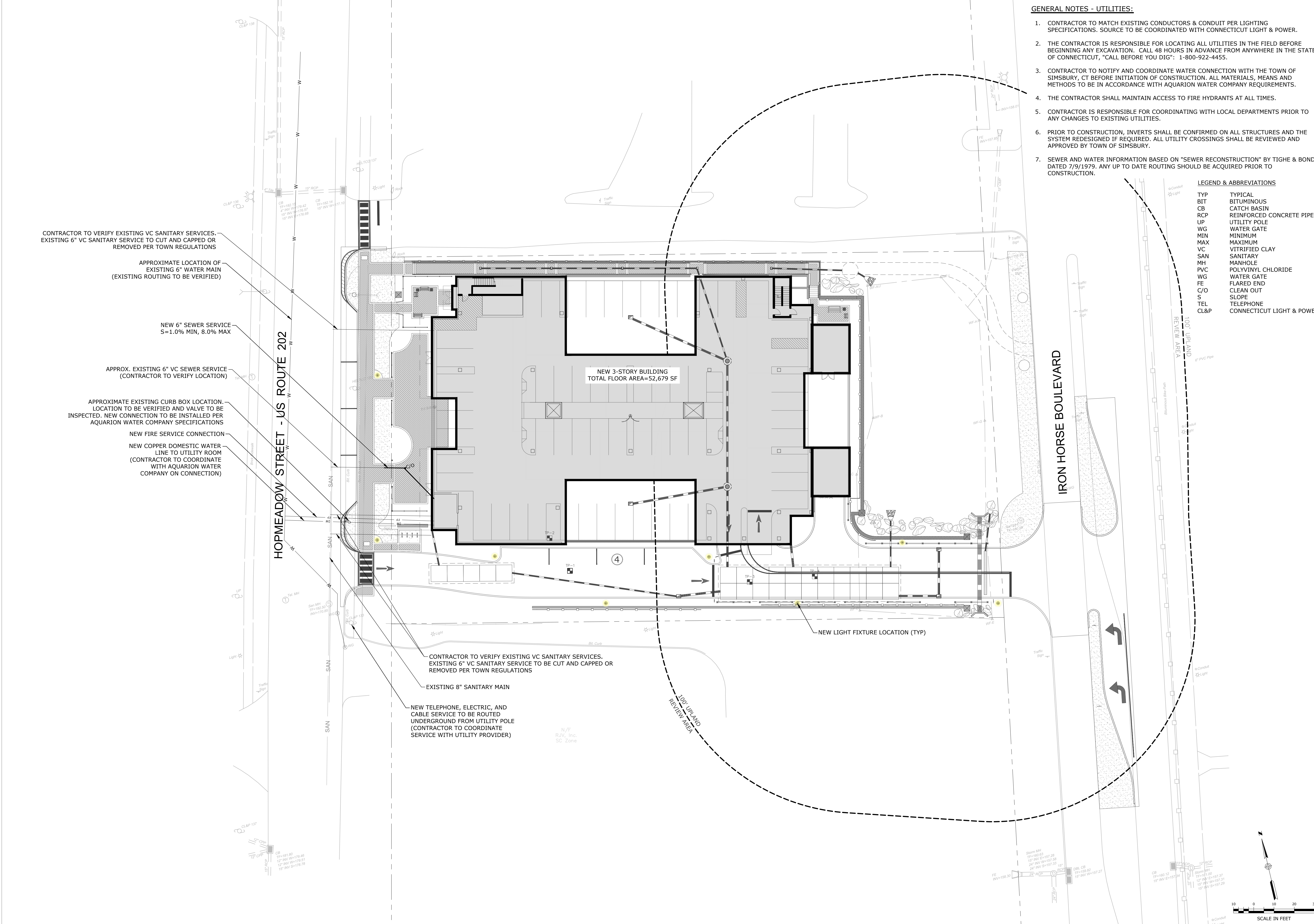
TRW

APPR.

7139.01

CONTR. NO.

7139.01



- GENERAL NOTES - UTILITIES:**
- CONTRACTOR TO MATCH EXISTING CONDUCTORS & CONDUIT PER LIGHTING SPECIFICATIONS. SOURCE TO BE COORDINATED WITH CONNECTICUT LIGHT & POWER.
 - THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES IN THE FIELD BEFORE BEGINNING ANY EXCAVATION. CALL 48 HOURS IN ADVANCE FROM ANYWHERE IN THE STATE OF CONNECTICUT, "CALL BEFORE YOU DIG": 1-800-922-4455.
 - CONTRACTOR TO NOTIFY AND COORDINATE WATER CONNECTION WITH THE TOWN OF SIMSBURY, CT BEFORE INITIATION OF CONSTRUCTION. ALL MATERIALS, MEANS AND METHODS TO BE IN ACCORDANCE WITH AQUARION WATER COMPANY REQUIREMENTS.
 - THE CONTRACTOR SHALL MAINTAIN ACCESS TO FIRE HYDRANTS AT ALL TIMES.
 - CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH LOCAL DEPARTMENTS PRIOR TO ANY CHANGES TO EXISTING UTILITIES.
 - PRIOR TO CONSTRUCTION, INVERTS SHALL BE CONFIRMED ON ALL STRUCTURES AND THE SYSTEM REDESIGNED IF REQUIRED. ALL UTILITY CROSSINGS SHALL BE REVIEWED AND APPROVED BY TOWN OF SIMSBURY.
 - SEWER AND WATER INFORMATION BASED ON "SEWER RECONSTRUCTION" BY TIGHE & BOND, DATED 7/9/1979. ANY UP TO DATE ROUTING SHOULD BE ACQUIRED PRIOR TO CONSTRUCTION.

LEGEND & ABBREVIATIONS

TYP	TYPICAL
BIT	BITUMINOUS
CB	CATCH BASIN
RCP	REINFORCED CONCRETE PIPE
UP	UTILITY POLE
WG	WATER GATE
MIN	MINIMUM
MAX	MAXIMUM
VC	VITRIFIED CLAY
SAN	SANITARY
MH	MANHOLE
PVC	POLYVINYL CHLORIDE
WG	WATER GATE
FE	FLARED END
C/O	CLEAN OUT
S	SLOPE
TEL	TELEPHONE
CL&P	CONNECTICUT LIGHT & POWER

CONTRACTOR TO VERIFY EXISTING VC SANITARY SERVICES. EXISTING 6" VC SANITARY SERVICE TO CUT AND CAPPED OR REMOVED PER TOWN REGULATIONS

APPROXIMATE LOCATION OF EXISTING 6" WATER MAIN (EXISTING ROUTING TO BE VERIFIED)

NEW 6" SEWER SERVICE S=1.0% MIN, 8.0% MAX

APPROX. EXISTING 6" VC SEWER SERVICE (CONTRACTOR TO VERIFY LOCATION)

APPROXIMATE EXISTING CURB BOX LOCATION. LOCATION TO BE VERIFIED AND VALVE TO BE INSPECTED. NEW CONNECTION TO BE INSTALLED PER AQUARION WATER COMPANY SPECIFICATIONS

NEW FIRE SERVICE CONNECTION

NEW COPPER DOMESTIC WATER LINE TO UTILITY ROOM (CONTRACTOR TO COORDINATE WITH AQUARION WATER COMPANY ON CONNECTION)

CONTRACTOR TO VERIFY EXISTING VC SANITARY SERVICES. EXISTING 6" VC SANITARY SERVICE TO BE CUT AND CAPPED OR REMOVED PER TOWN REGULATIONS

EXISTING 8" SANITARY MAIN

NEW TELEPHONE, ELECTRIC, AND CABLE SERVICE TO BE ROUTED UNDERGROUND FROM UTILITY POLE (CONTRACTOR TO COORDINATE SERVICE WITH UTILITY PROVIDER)

UTILITY PLAN

894 HOPMEADOW REDEVELOPMENT
894 HOPMEADOW STREET, SIMSBURY, CT

894 HOPMEADOW STREET, LLC

SCALE: 1" = 20'

CONTRACT NO. 711R9.01

DATE: 8/9/2023

DRAWN BY: APH

APPROVED BY: TRW

DATE: 8/9/2023

DATE: 8/9/2023

REVISIONS PER TOWN COMMENTS

1 REV.

DESCRIPTION OF REVISION

8/9/2023 TRW DATE

8/9/2023 APPR.

STAMP

Loureiro
Engineering & Construction • 2025 • Energy
Utilities • Facility Services • Laboratory Rec.
100 Northwood Drive • Plainville, Connecticut 06062
Tel: 860-247-9888 • Fax: 860-247-8822
www.loureiro.com
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DRAWING

C4

SHEET NO. 8 NO. OF SHEETS 11

V:\CT\SIMSBURY\HOPMEADOW ST 894 C4\DWGS\UTILITY.DWG Tab: UTILITY Saved: 8/9/2023 3:07 PM Plotted: 8/9/2023 3:12 PM

HOPMEADOW STREET - US ROUTE 202

IRON HORSE BOULEVARD

INLET PROTECTION (TYP OF 12)

SILT SACK INLET PROTECTION (TYP OF 12)

STRAW WATTLE/COMPOST FILTER SOCK OUTLET PROTECTION

NEW 3-STORY BUILDING
TOTAL FLOOR AREA=52,679 SF
FF=183.4

SILT FENCE W/ DOUBLE ROW OF COMPOST FILTER SOCKS (SEE SHEET C8 FOR DETAIL)

CONSTRUCTION ENTRANCE

SILT FENCE (TYP)

TEMPORARY SOIL STOCKPILE (LOCATION, QUANTITY AND SIZE WILL VARY. CONTRACTOR TO ENSURE RESOURCE AREAS ARE PROTECTED FROM SEDIMENTATION.)

TEMPORARY CONCRETE WASHOUT FACILITY

CONSTRUCTION ENTRANCE INLET PROTECTION

100' UP/DOWN REVIEW AREA

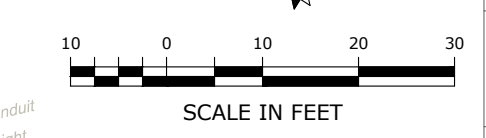
N/T R/W, Inc. SC Zone

GENERAL NOTES - SOIL EROSION AND SEDIMENT CONTROL:

SEE DETAIL SHEET D-3 FOR SOIL EROSION AND SEDIMENT CONTROL NARRATIVE AND DETAILS.

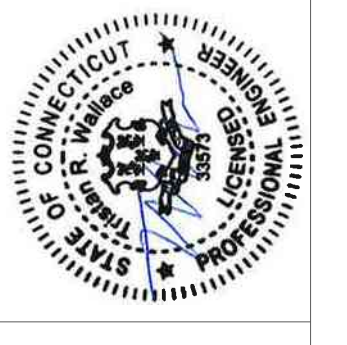
LEGEND & ABBREVIATIONS

- SILT FENCE
 - CONSTRUCTION ENTRANCE PAD
 - TEMPORARY SOIL STOCKPILE
 - INLET PROTECTION
 - STRAW WATTLES/COMPOST FILTER SOCK
 - TEMPORARY CONCRETE FACILITY WASHOUT
- TYP BIT
UP UP
WG SAN
SAN TEL
MH UP
HELTCO
- TYPICAL BITUMINOUS UTILITY POLE
WATER GATE
SANITARY TELEPHONE
MANHOLE UTILITY POLE
HARTFORD ELECTRIC COMPANY

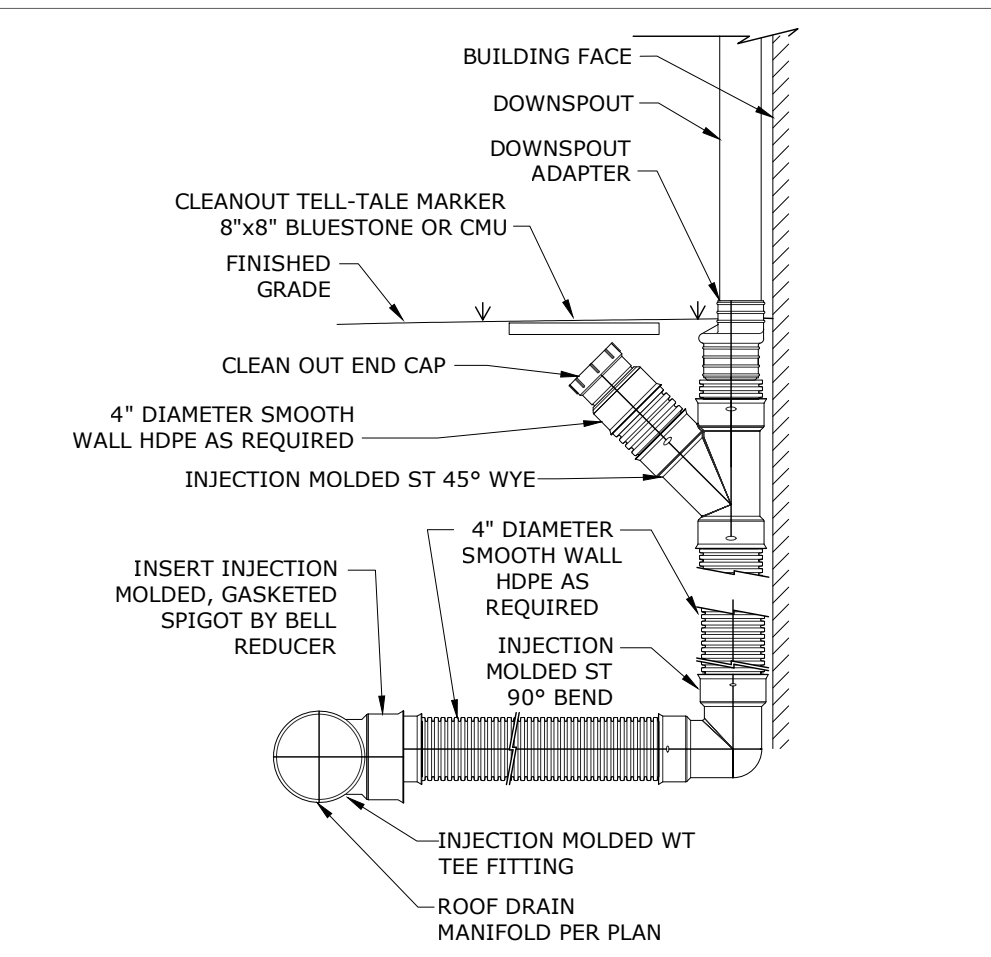


SOIL EROSION AND SEDIMENT CONTROL PLAN
894 HOPMEADOW REDEVELOPMENT
894 HOPMEADOW STREET, SIMSBURY, CT
894 HOPMEADOW STREET, LLC

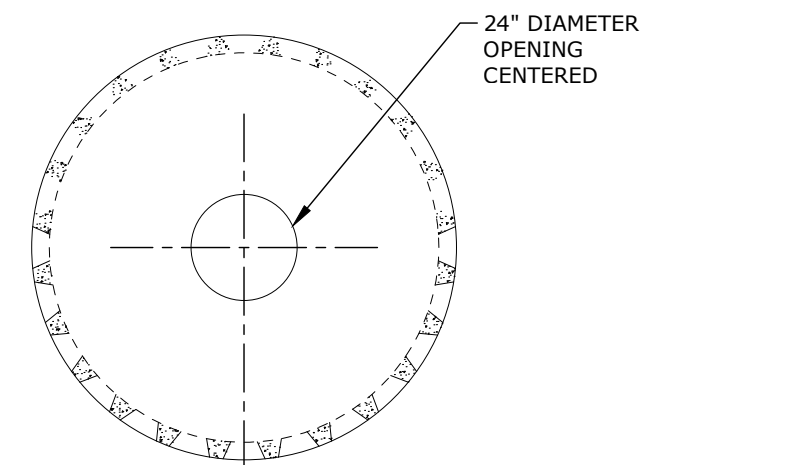
DRAWING **C5**
SHEET NO. 7 NO. OF SHEETS 11



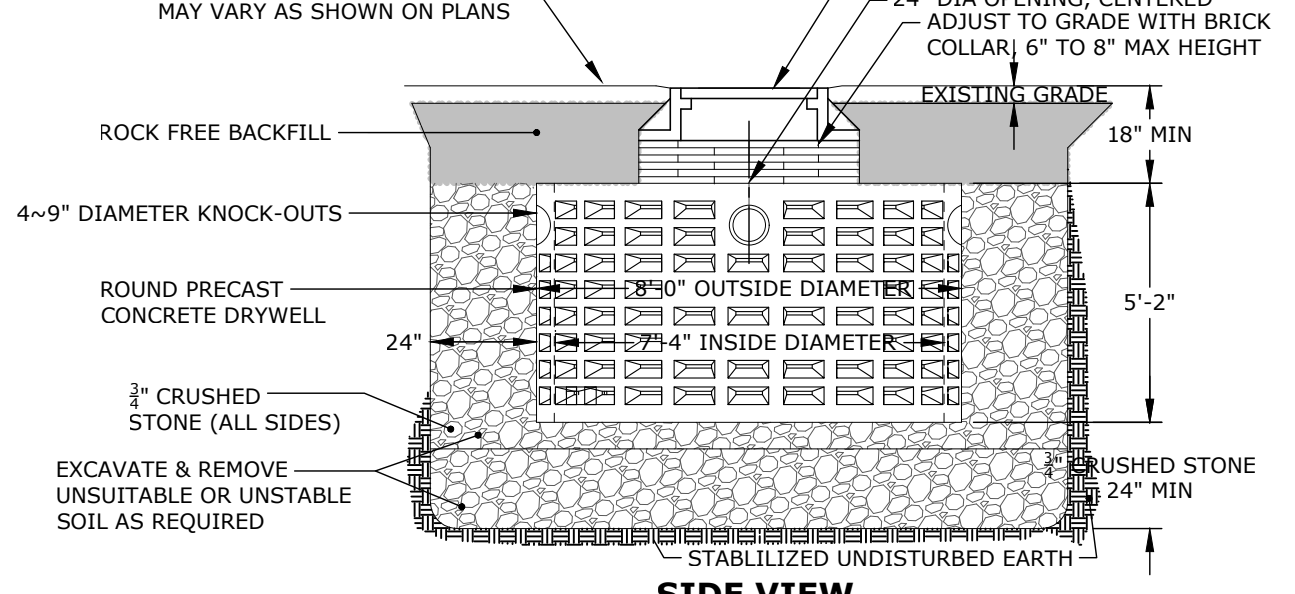
REV.	DESCRIPTION OF REVISION	DATE	APPR.
1	REVISIONS PER TOWN COMMENTS	8/9/2023	TRW



ROOF DRAIN DOWNSPOUT CONNECTION
SCALE: NONE



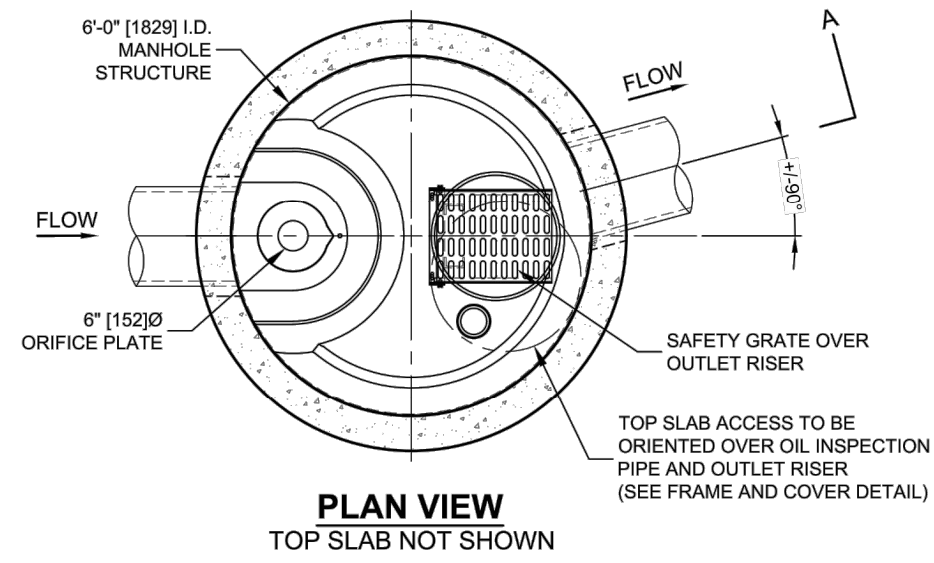
TOP VIEW
NORMA FINISHED GRADE MAY VARY AS SHOWN ON PLANS



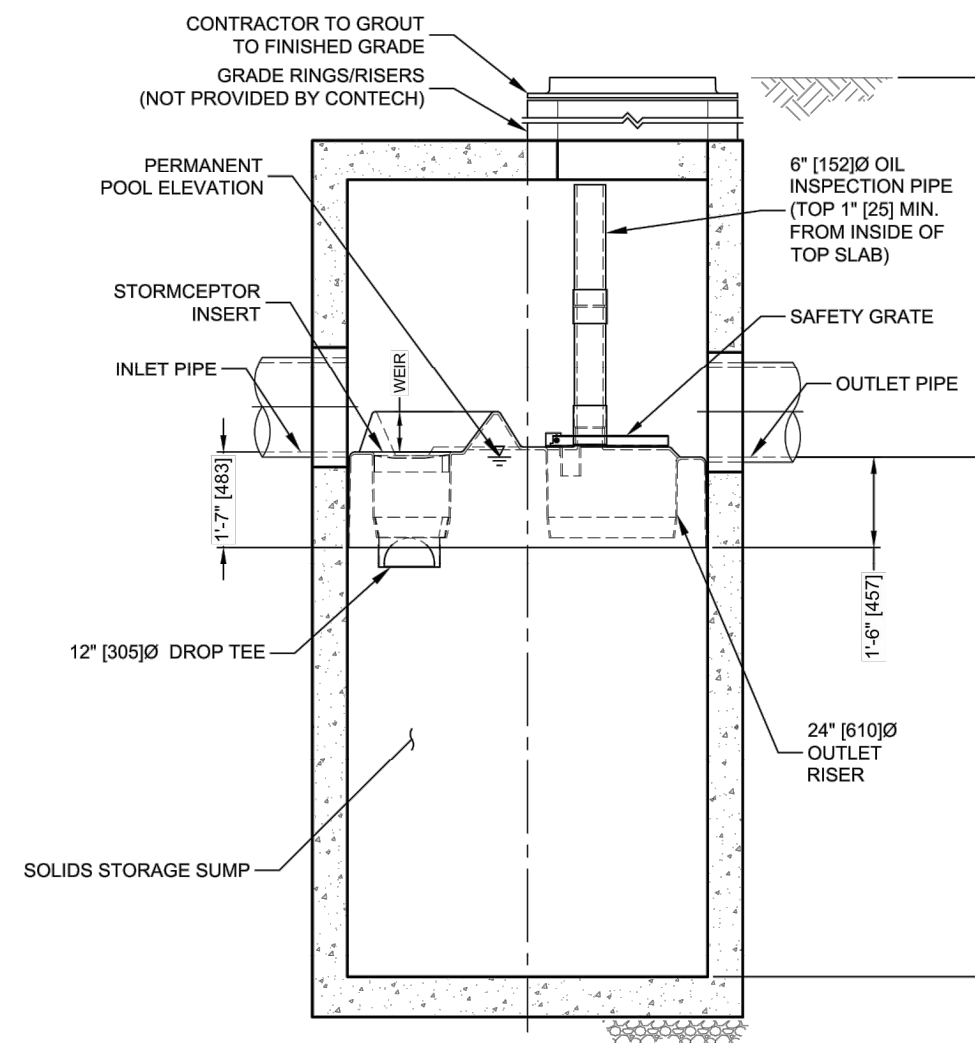
SIDE VIEW

- NOTES:
1. MATERIALS FOR THE CONSTRUCTION OF PRECAST DRY WELLS SHALL CONFORM TO APPLICABLE ASTM STANDARDS.
 2. CONCRETE COMPRESSIVE STRENGTH SHALL BE 4000 PSI AT 28 DAYS, SELF COMPACTING CONCRETE MIX.
 3. DRY WELL SHALL BE DESIGNED FOR HS-20 LOADING WITH 18\"/>

8\"/>



PLAN VIEW
TOP SLAB NOT SHOWN

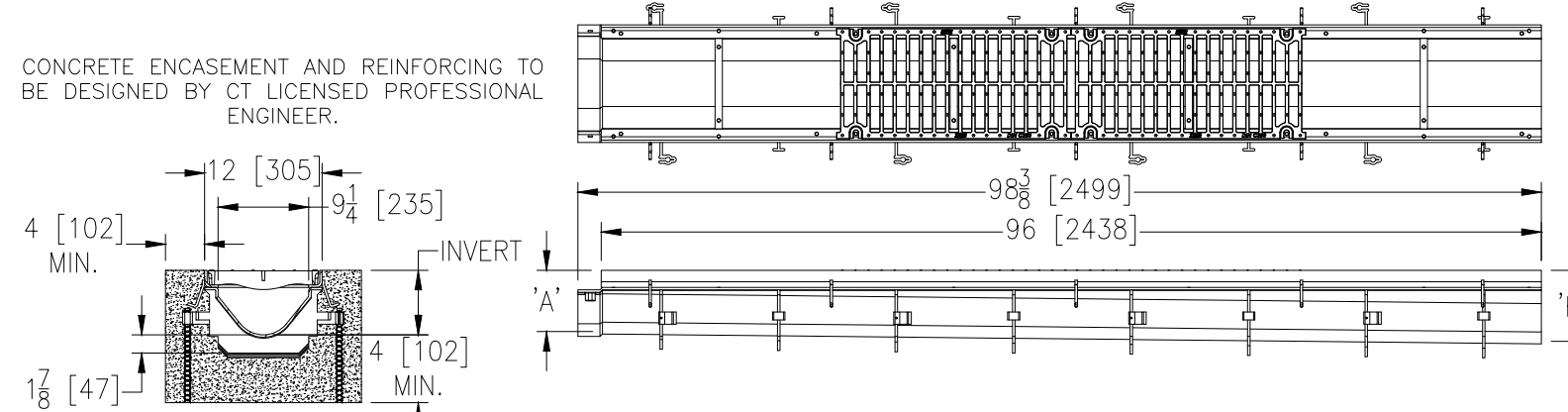


SECTION A-A

NOTES:

1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.conteches.com
3. STORMCEPTOR WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
4. STORMCEPTOR STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 2' [810], AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.
5. STORMCEPTOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 AND AASHTO LOAD FACTOR DESIGN METHOD.
6. ALTERNATE UNITS ARE SHOWN IN MILLIMETERS [mm].
7. *FINAL STRUCTURE SELECTION OR APPROVED EQUAL SHALL BE PROVIDED PRIOR TO CONSTRUCTION*

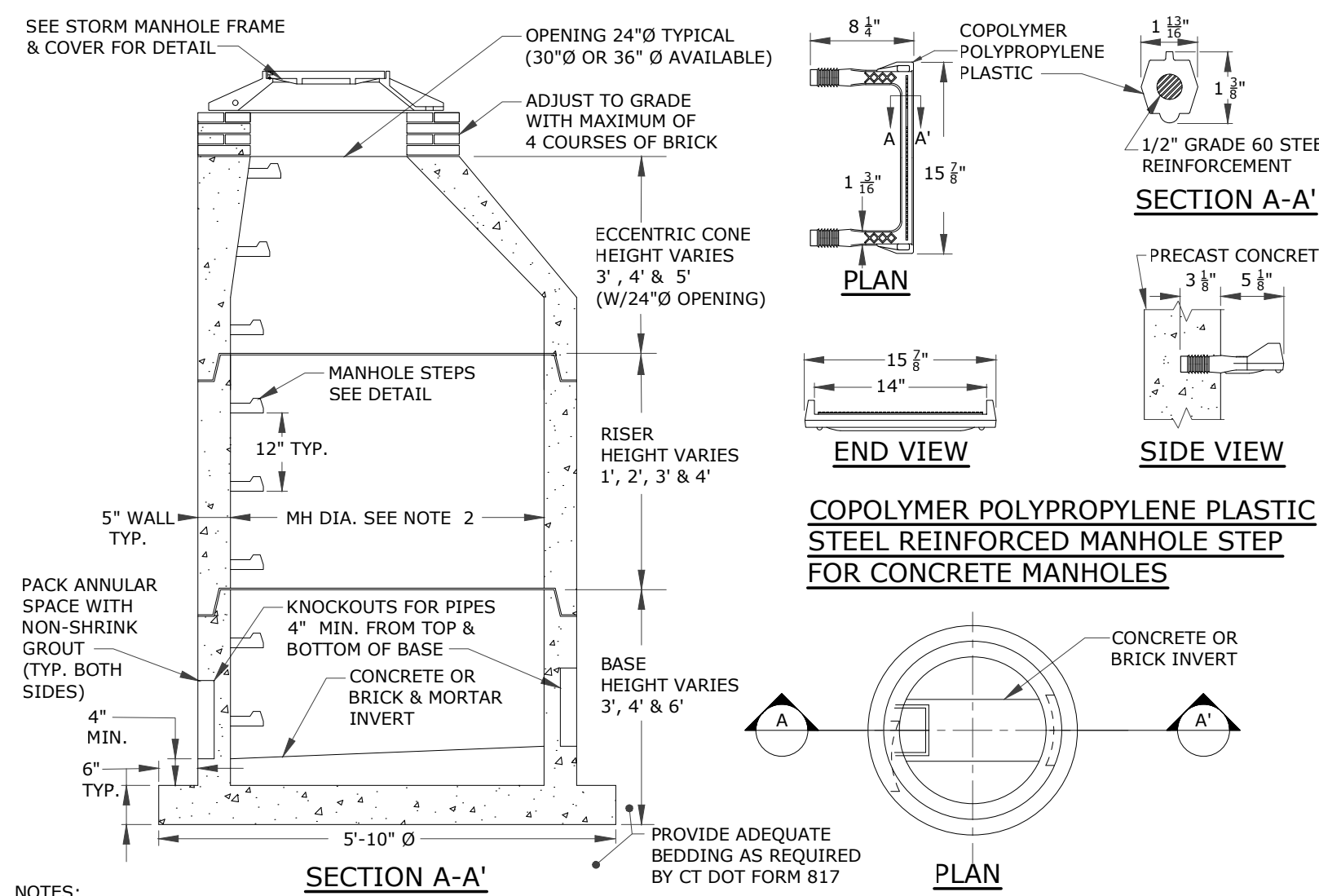
STC1800 STORMCEPTOR DETAIL
SCALE: NONE



NOTES:

1. TRENCH DRAIN TO BE ZURN Z882 TRENCH NO. 8203 OR APPROVED EQUAL.
2. CONTRACTOR TO FOLLOW MANUFACTURERS REQUIREMENTS FOR INSTALLATION.
3. TRENCH DRAIN TO MEET H-20 LOADING AND FRAME.

ZURN Z882 (8203) TRENCH DRAIN DETAIL
SCALE: NONE



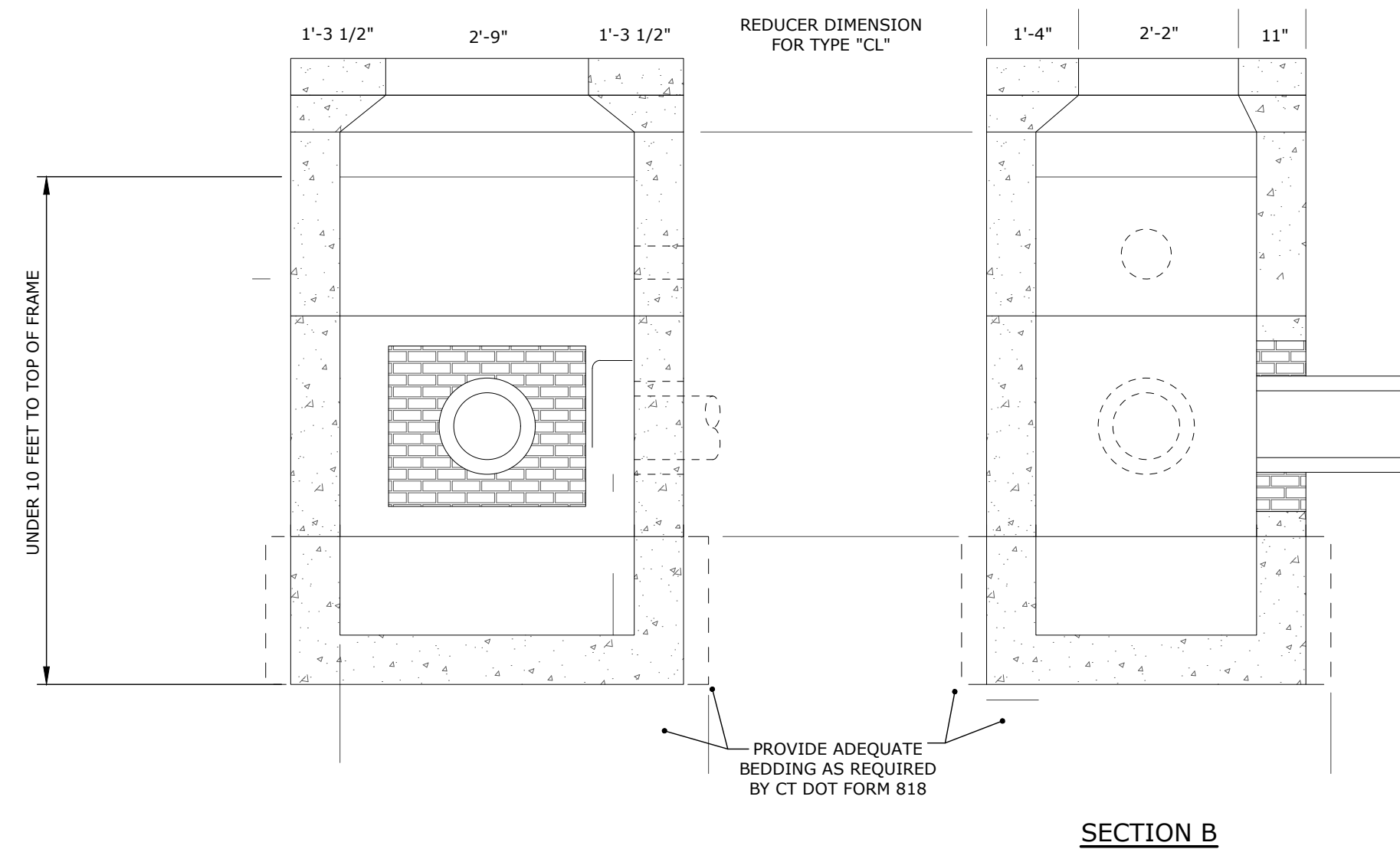
SECTION A-A'

PLAN

END VIEW

- NOTES:
1. PRECAST CONCRETE MANHOLE COMPONENTS SHALL CONFORM TO CTDOT STANDARD SHEET HW-507.10 AS AMENDED.
 2. 4\",/>

STANDARD PRECAST CONCRETE STORM MANHOLE DETAIL
SCALE: NONE

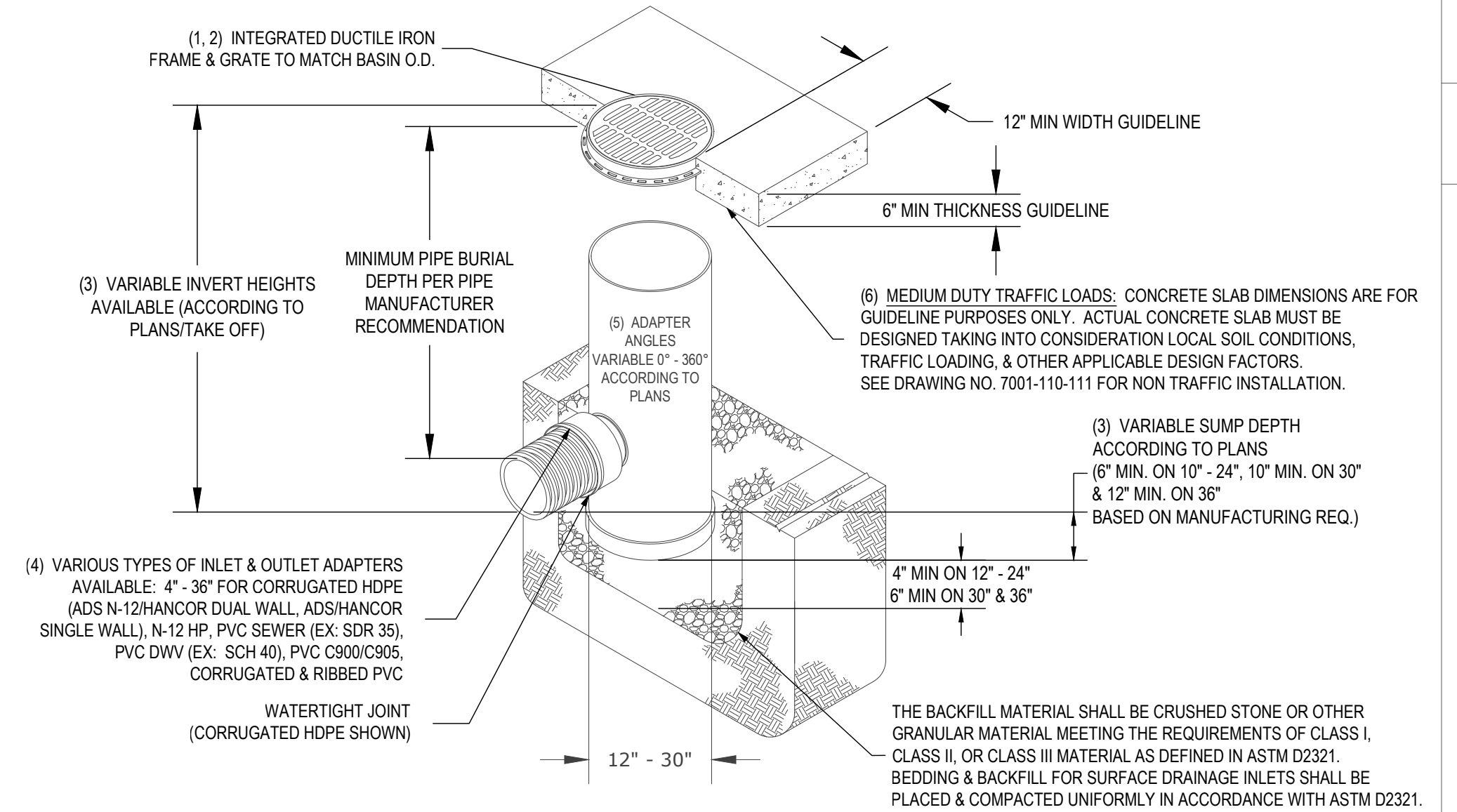


SECTION B

NOTES:

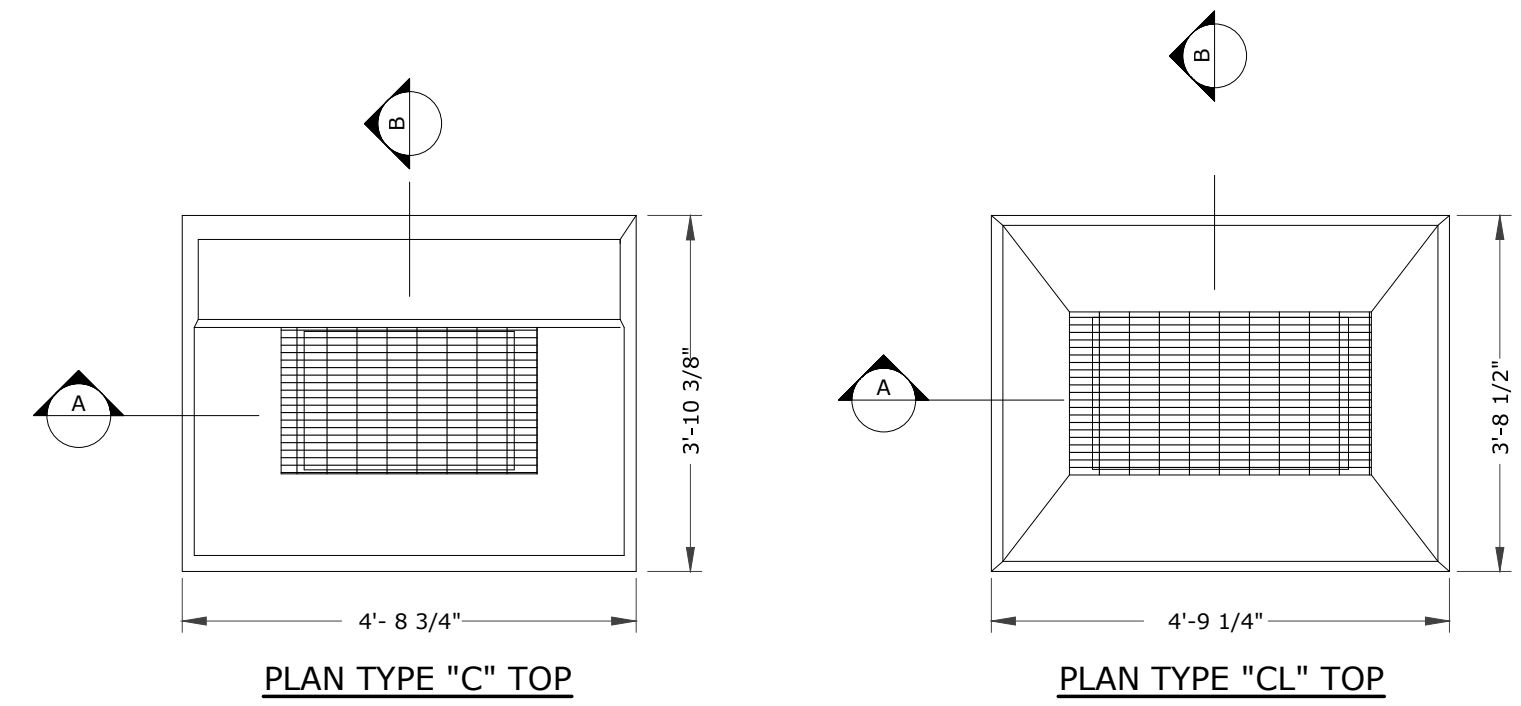
1. PRECAST CONCRETE CATCH BASIN COMPONENTS SHALL CONFORM TO CTDOT FORM 817 STANDARD SPECIFICATION FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION AND CTDOT HIGHWAY STANDARD SHEETS HW-507.04, HW-507.07 & HW-507.08, AS AMENDED.
2. THIS DETAIL IS BASED ON CTDOT PRECAST CONCRETE TYPE 'C' & 'C-L' CATCH BASIN COMPONENTS, (UNDER 10' DEEP SHOWN).
3. REINFORCING STEEL DEFORMED BARS ARE NOT SHOWN AND SHALL CONFORM TO LATEST CTDOT STANDARDS & SUPPLEMENTALS AND ASTM SPECIFICATION A615, GRADE 60, MINIMUM COVER 2\"/>

TYPE 'C' & 'C-L' PRECAST CONCRETE CATCH BASIN DETAILS
SCALE: NONE



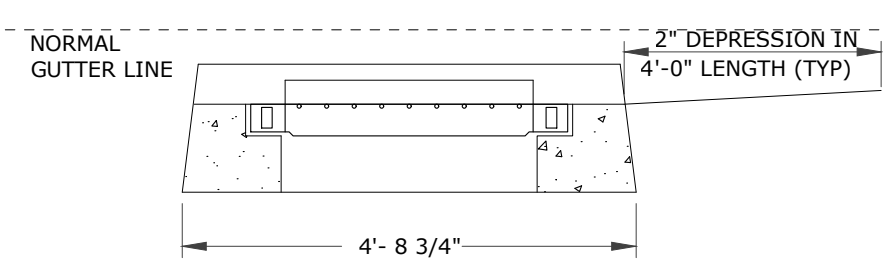
1. 12\"/>

NYLOPLAST DRAIN BASIN WITH PEDESTRIAN/ADA GRATE
SCALE: NONE

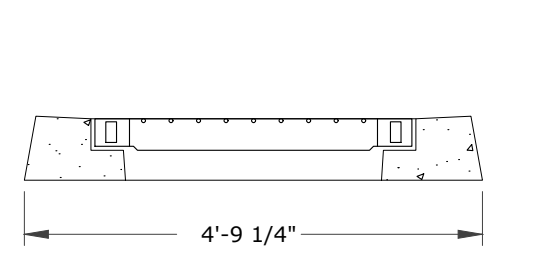


PLAN TYPE 'C' TOP

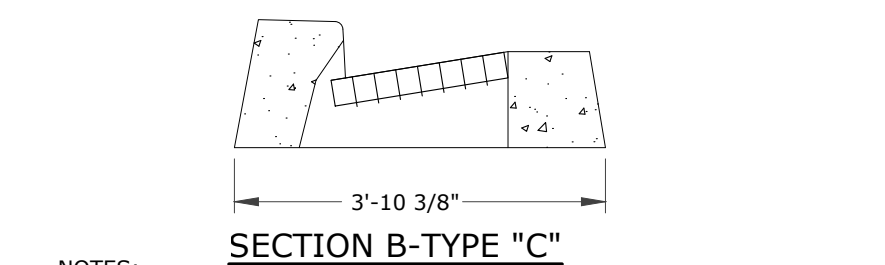
PLAN TYPE 'C-L' TOP



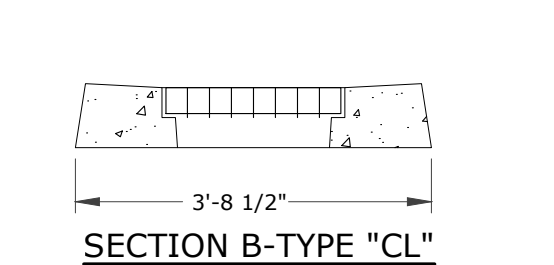
SECTION A-TYPE 'C'



SECTION A-TYPE 'C-L'



SECTION B-TYPE 'C'

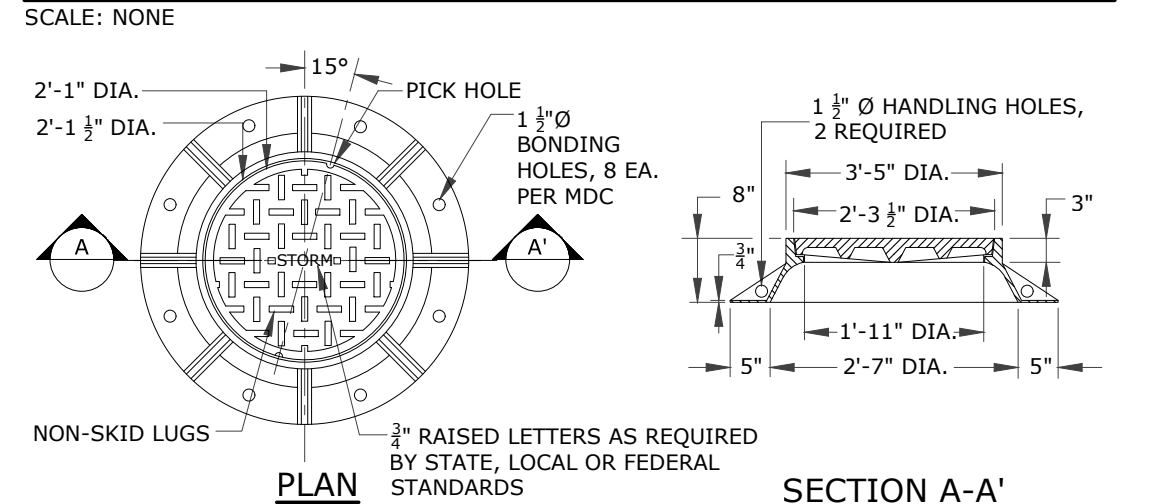


SECTION B-TYPE 'C-L'

NOTES:

1. CATCH BASIN TOPS, CURBS AND GRATE COMPONENTS SHALL CONFORM TO CTDOT FORM 816 STANDARD SPECIFICATION FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION AND CTDOT HIGHWAY STANDARD SHEETS HW-507.07 AND HW-507.08, AS AMENDED.
2. REINFORCING STEEL DEFORMED BARS ARE NOT SHOWN AND SHALL CONFORM TO LATEST CTDOT STANDARDS & SUPPLEMENTALS AND ASTM SPECIFICATION A615, GRADE 60, MINIMUM COVER 2\"/>

TYPE 'C' & 'C-L' CATCH BASIN TOP DETAILS
SCALE: NONE



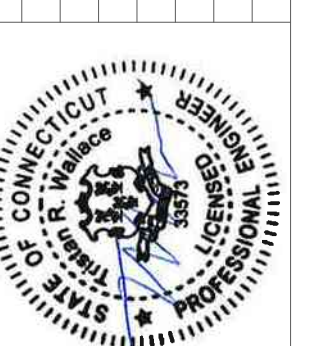
PLAN

SECTION A-A'

- NOTES:
1. STORM MANHOLE FRAMES AND COVERS SHALL CONFORM TO CTDOT FORM 817 STANDARD SPECIFICATION FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION AND CTDOT HIGHWAY STANDARD SHEETS HW-507.10, AS AMENDED.
 2. CHANNELS MAY BE SHAPED IN CONCRETE BASE OF MANHOLE OR FORMED USING BRICK OR MASONRY, UNLESS OTHERWISE DIRECTED.
 3. A FRAME OF 3\"/>

STORM MANHOLE FRAME & COVER DETAIL
SCALE: NONE

DATE	8/9/2023	TRW	APPR.
REVISIONS PER TOWN COMMENTS	1		
DESCRIPTION OF REVISION			



Loureiro
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Loureiro is a Family-Owned & Operated Firm
100 Hopmeadow Drive • Plainville, Connecticut 06062
Phone: 860-247-9618 • Fax: 860-247-8822
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SCALE	AS NOTED
CONTRACT NO.	711R9.01
DATE	8/9/2023
DRAWN BY	APH
DATE	8/9/2023
APPROVED BY	TRW

STORMWATER MANAGEMENT DETAILS
894 HOPMEADOW REDEVELOPMENT
894 HOPMEADOW STREET, SIMSBURY, CT 06062
894 HOPMEADOW STREET, LLC

DRAWING	C7
SHEET NO.	9
NO. OF SHEETS	11

V:\CT\SIMSBURY\HOPMEADOW ST. 894 CDS\DWG\MANAGEMENT DETAILS.DWG Tab: SW DETAILS Sheet: 8/9/2023 3:08 PM Printed: 8/9/2023 3:12 PM

