

ROOT CENTER FOR ADVANCED RECOVERY

APPLICATION FOR SPECIAL EXCEPTION AND SITE PLAN REVIEW

392 WASHINGTON STREET · MIDDLETOWN · CONNECTICUT

JULY 24, 2020

REVISED SEPTEMBER 2, 2020

PREPARED FOR
**ROOT CENTER FOR
ADVANCED RECOVERY**
335 BROAD STREET
MANCHESTER, CT 06040

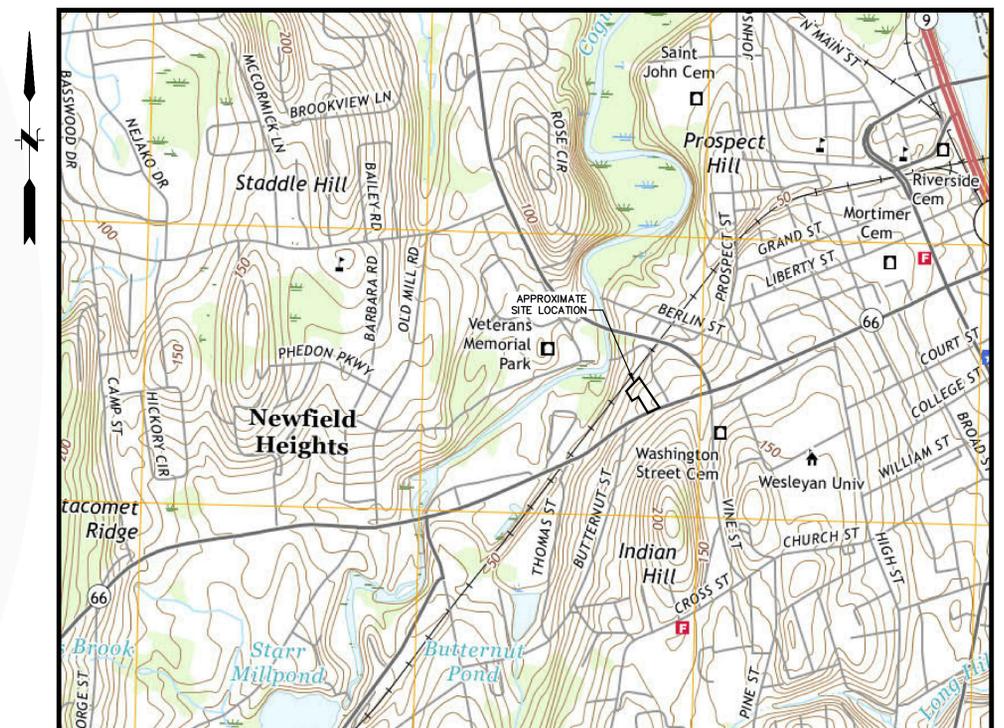


PREPARED BY
FUSS & O'NEILL
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469
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PROJECT TEAM



LOCATION MAP

SCALE: 1" = 1000'

SURVEY NOTES:

This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards of Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996.

The type of survey prepared is a PROPERTY BOUNDARY & TOPOGRAPHIC SURVEY.

Boundary determination is based on a DEPENDENT RESURVEY.

This survey conforms to a "Class A-2" Survey.

Topographic accuracy conforms to a "Class T-2" Survey.

REFERENCE MAPS:

- A.) ASSESSORS MAP 23 PARCEL 23-0070.
- B.) "PROPERTY BOUNDARY SURVEY -DEPICTING- LOT LINE MODIFICATION -PREPARED FOR- PROPERTIES KNOWN AS 392 & 396 WASHINGTON STREET, MIDDLETOWN, CONNECTICUT JULY 28, 2011 SCALE 1"=30' BY JACKOWIAK LAND SURVEYING."
- C.) "PLAT OF PROPERTY OF MRS. EVELYN Q. JACKSON, ON WASHINGTON STREET, MIDDLETOWN, CONN. JAN. 17TH 1902 - E.P. AUGER, SURVEYOR." MAP #143 MIDDLETOWN LAND RECORDS.
- D.) "BOUNDARY SURVEY & LOT LINE REVISION FOR CLARA MAY CORLEY JACKSON STREET MIDDLETOWN, CONN. SCALE: 1"=40' DATE: NOV. 17, 1994 BY DAVID A. WHITE L.S." MAP #4-95 MIDDLETOWN LAND RECORDS.
- E.) "PLOT PLAN PREPARED FOR HOWARD P. CHAMBERLAIN AND ROBERT M. SPITZLER MIDDLETOWN, CT. SCALE: 1"=40' DATE: 5-17-79 REV. 1-17-83 BY LUCHES & BECKERMAN GLASTONBURY, CONN." MAP #67-2 MIDDLETOWN LAND RECORDS.
- F.) "STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS TOWN OF MIDDLETOWN ROUTE 66 PROJECT NO. 82-181 PLANIMETRIC MAP COMPILATION BY: CONN. D.O.T. OFFICE OF ENGINEERING (CADD PHOTOGRAMMETRIC SECTION) SCALE: 1"=40". MAP ON FILE WITH STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION.

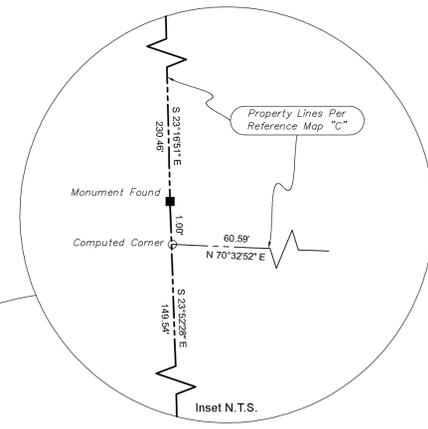
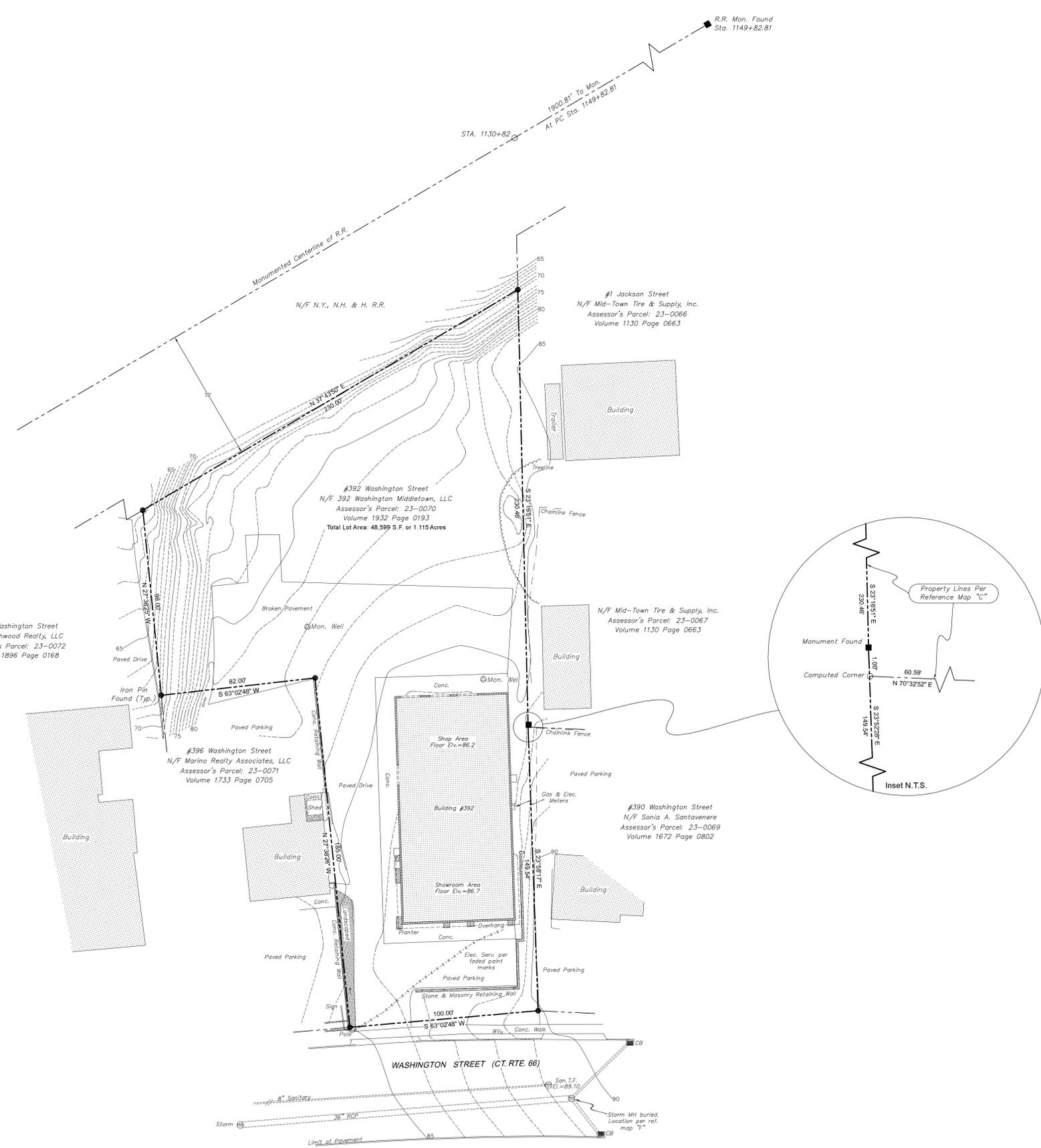
GENERAL NOTES:

- 1.) TOTAL LOT AREA: 48,599 S.F. OR 1.115 ACRES
- 2.) BEARINGS AND COORDINATE VALUES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM HOLDING THE FOLLOWING STATIONS:

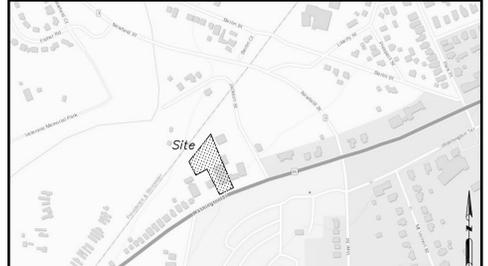
STATION	2530	N-264,672.99	2529	N-264,355.26
		E-625,073.87		E-624,312.09
- 3.) ELEVATIONS ARE BASED ON NAVD1988 DATUM.
- 4.) ZONE: MX, MIXED USE ZONE.
- 5.) LOCATIONS AND PIPE SIZE/TYPE OF SANITARY AND STORM SEWERS ARE BASED, IN PART, ON REFERENCE MAP "F".

RECORD OWNER:

392 WASHINGTON MIDDLETOWN, LLC.
VOLUME 1932 PAGE 0193
MIDDLETOWN LAND RECORDS



SITE LOCATION MAP
Not to Scale



San. T.F.
El. = 71.27

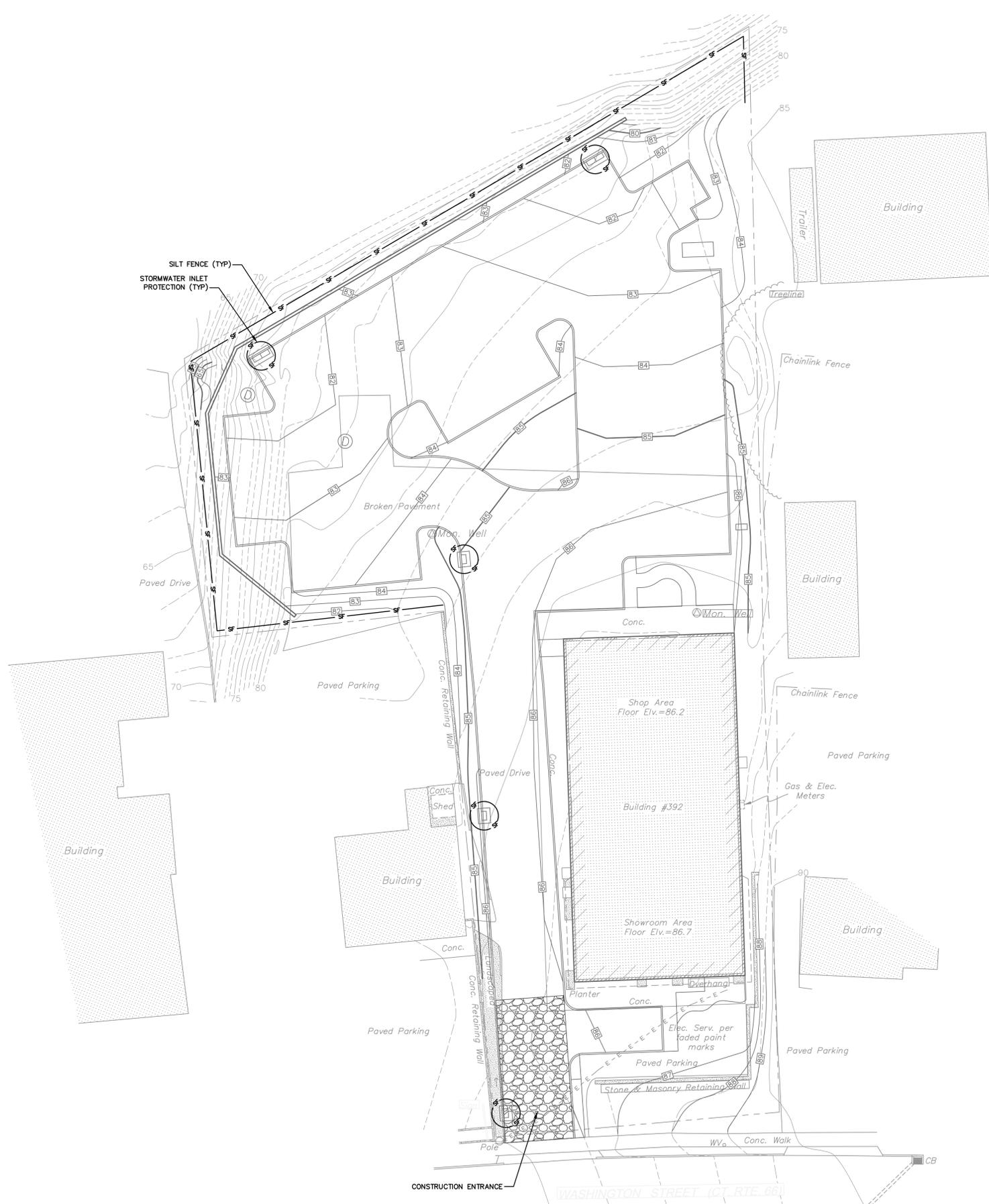
To my knowledge and belief, this survey is substantially correct as noted herein.

JACKOWIAK LAND SURVEYING
Robert F. Jackowiak, LS 18858
26 Greenlawn Road
Middletown, Connecticut 06457
860.346.6577

DATE: JULY 02, 2020
SCALE: 1"=30'

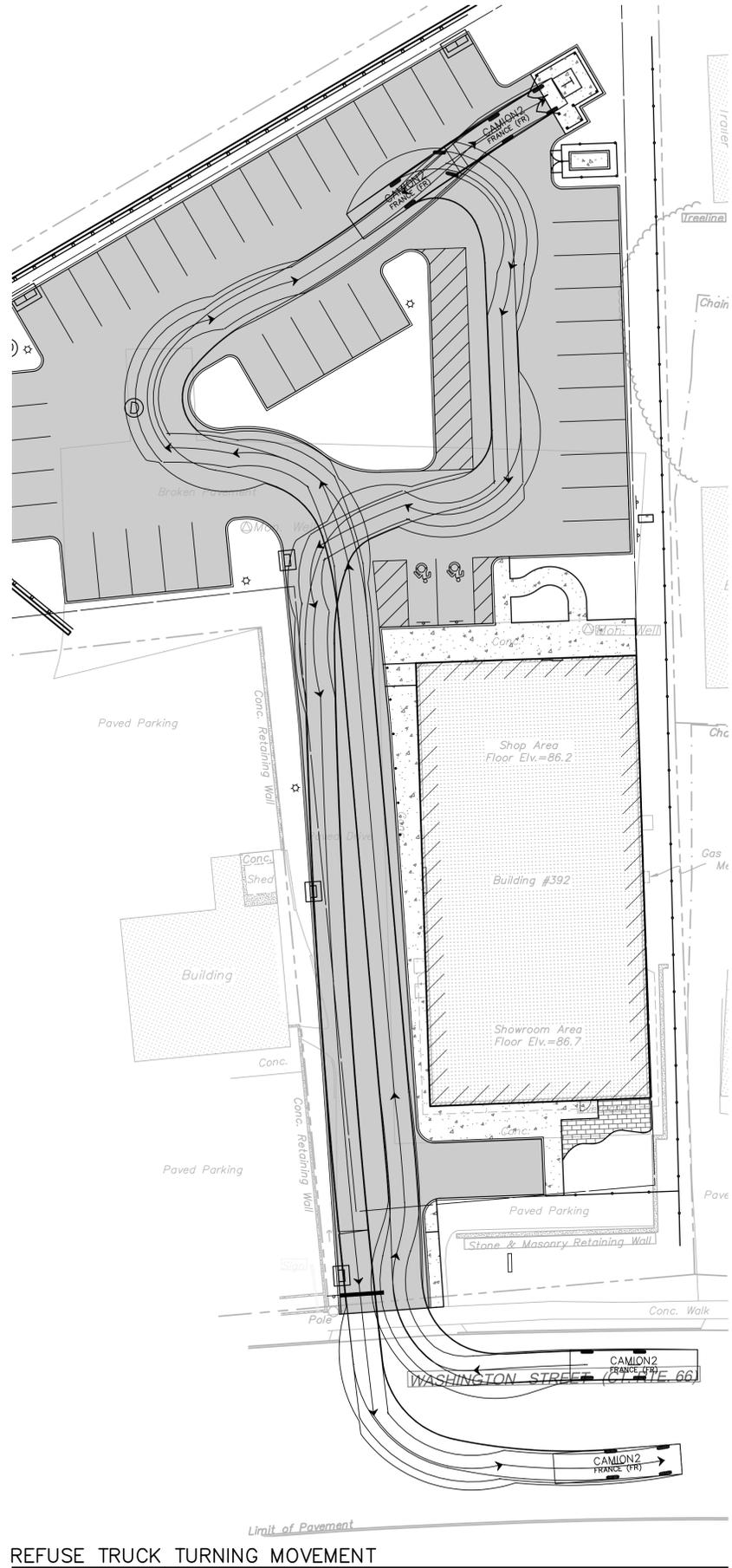


PROPERTY BOUNDARY & TOPOGRAPHIC SURVEY
- PREPARED FOR -
THE HARTFORD DISPENSARY REAL ESTATE COMPANY
- PROPERTY KNOWN AS -
#392 WASHINGTON STREET - CT. RTE. #66
MIDDLETOWN, CONNECTICUT

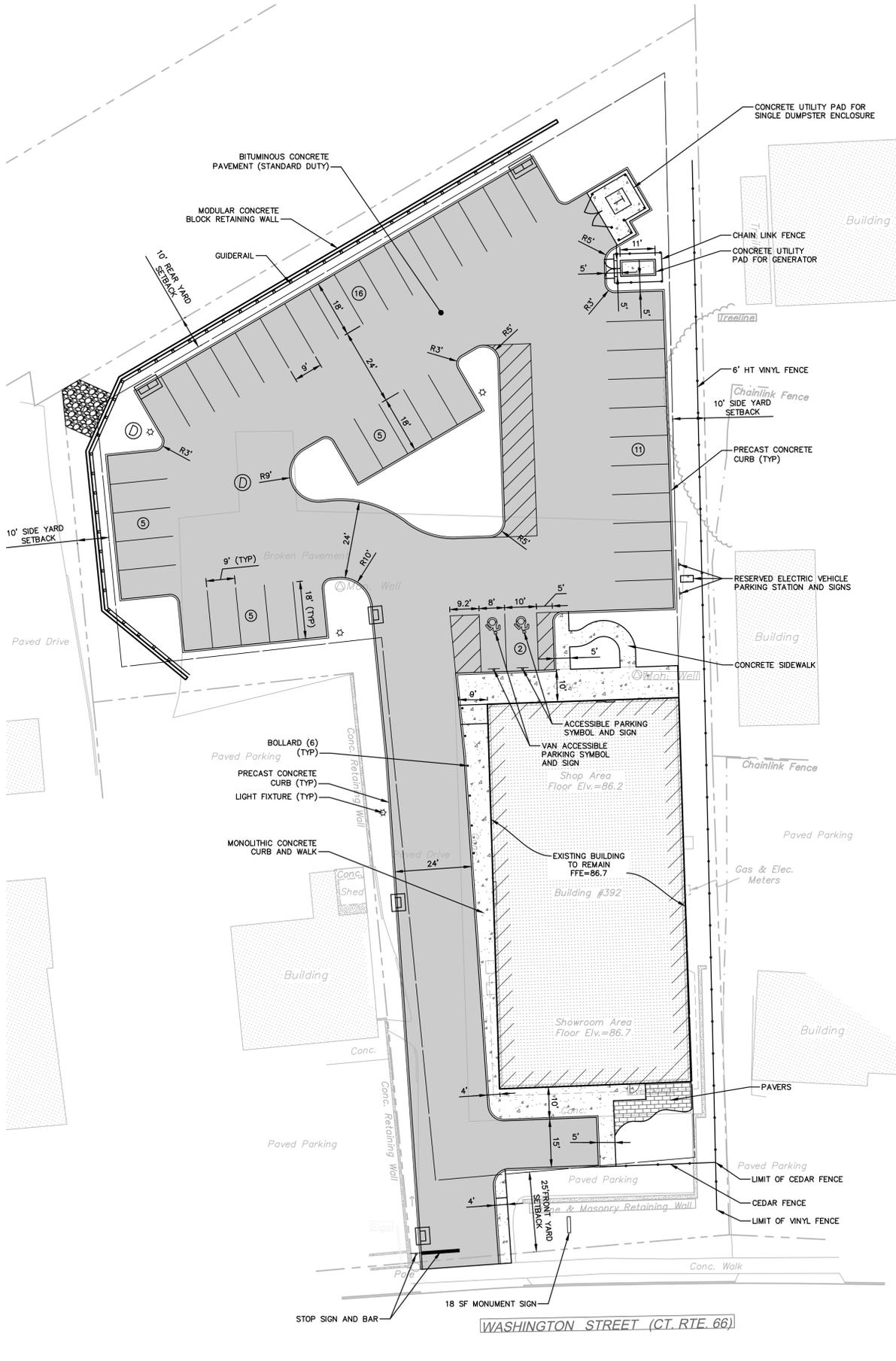


<p>SCALE: HORZ.: 1" = 20' VERT.: 1" = 10' DATUM: NAD 83 HORZ.: 1" = 20' VERT.: 1" = 10'</p>		<p>GRAPHIC SCALE 20 10 0 10 20</p>	
<p>FUSS & O'NEILL 146 HARTFORD ROAD MIDDLETOWN, CONNECTICUT 06460 860.644.2460 www.fussandoneill.com</p>		<p>ROOT CENTER FOR ADVANCED RECOVERY EROSION AND SEDIMENT CONTROL PLAN 392 WASHINGTON STREET MIDDLETOWN, CONNECTICUT</p>	
<p>PROJ. No.: 20200586.A10 DATE: 07/24/2020</p>		<p>CE-101</p>	
<p>FOR LAND USE PERMITS ONLY</p>		<p>DESIGNER REVIEWER DATE</p>	

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REFUSE TRUCK TURNING MOVEMENT



Zoning Table of Standards
 392 Washington Street, Middletown, Connecticut
 Zone: Substance Abuse/Mental Health Floating Zone (SMH)
 Underlying Zone: Mixed Use Zone (MX)

	Required	Proposed
Minimum Lot Frontage	75'	100'
Minimum Lot Area	10,000 SF	48,600 SF
Minimum Yard, Front	25'	48'
Minimum Yard, Side	10'	10'
Minimum Yard, Rear	10'	152'
Maximum Structure Height	36' (3 stories)	Existing Building
Maximum Lot Coverage	30%	14.8%

Parking Requirements

	Floor Area (SF) / Doctor & Employees (EA)	Parking Required (Spaces)
Clinics, Medical, or Dental		
One (1) for each two hundred (200) sq. ft. of floor area	7,200 SF	36
One (1) space for each doctor	1 EA	1
One space for each three (3) employees	24 EA	8
Total Parking Required=		45
Total Parking Provided=		44

FOR LAND USE PERMITS ONLY

SCALE: HORZ.: 1" = 20'
 VERT.: 1" = 10'
 DATUM: NAD 83
 HORZ.: 1" = 20'
 VERT.: 1" = 10'
 GRAPHIC SCALE

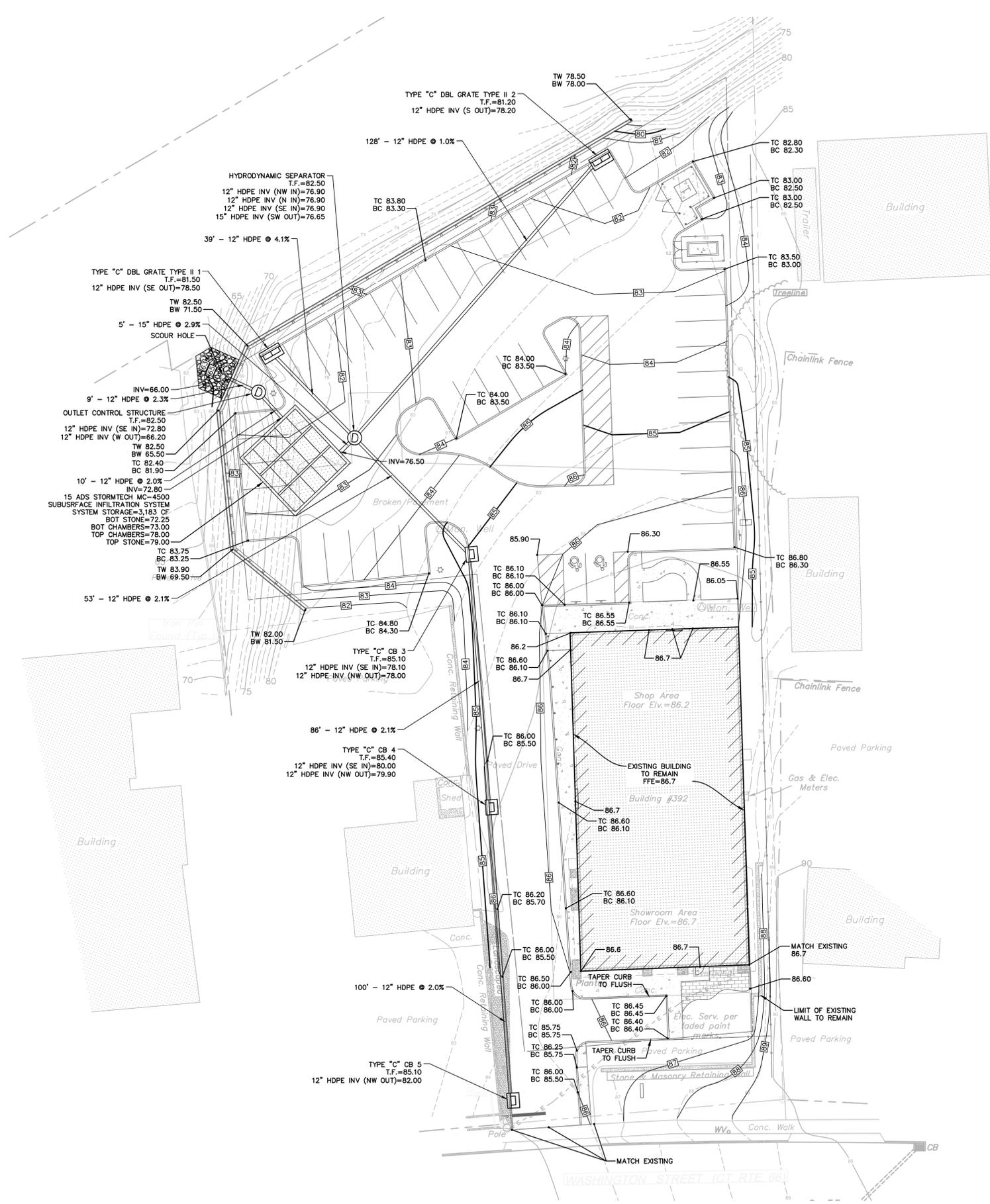
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ROOT CENTER FOR ADVANCED RECOVERY
 SITE LAYOUT PLAN
 392 WASHINGTON STREET
 MIDDLETOWN, CONNECTICUT

PROJ. No.: 20200586.A10
 DATE: 07/24/2020

CS-101

No.	DATE	RESPONSE TO DESIGN REVIEW BOARD	DESIGNER	REVIEWER
1.	9/2/2020		JHD	



<p>SCALE: HORIZ.: 1" = 20' VERT.: 1" = 10' DATUM: HORIZ.: VERT.: GRAPHIC SCALE</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>No.</th> <th>DATE</th> <th>RESPONSE TO DESIGN REVIEW BOARD</th> <th>DESIGNER</th> <th>REVIEWER</th> </tr> <tr> <td>1.</td> <td>9/2/2020</td> <td></td> <td>JHD</td> <td></td> </tr> </table>	No.	DATE	RESPONSE TO DESIGN REVIEW BOARD	DESIGNER	REVIEWER	1.	9/2/2020		JHD	
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<p>FUSS & O'NEILL 146 HARTFORD ROAD MIDDLETOWN, CONNECTICUT 06460 860.646.2460 www.fandoi.com</p>											
<p>ROOT CENTER FOR ADVANCED RECOVERY GRADING AND DRAINAGE PLAN 392 WASHINGTON STREET MIDDLETOWN, CONNECTICUT</p>											
<p>PROJ. No.: 20200586.A10 DATE: 07/24/2020</p>											
<p>CG-101</p>											

FOR LAND USE PERMITS ONLY

PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	QTY.	SIZE
TREES				
CF	CORNUS FLORIDA	FLOWERING DOGWOOD	4	2" CAL.
GT	GLEDITSIA TRIACANTHOS VAR. INERMIS 'SKYCOLE'	SKYCOLE THORNLESS HONEYLOCUST	1	3" CAL.
PA	PLATANUS X ACERIFOLIA 'BLOODGOOD'	BLOODGOOD LONDON PLANETREE	1	3" CAL.
QR	QUERCUS RUBRA	RED OAK	4	3" CAL.
SHRUBS				
*AB	AZALEA BIXBY	AZALEA BIXBY	10	3 GAL.
AC	AMELANCHIER CANADENSIS	SERVICEBERRY	1	5 GAL.
AM	ARONIA MELANOCARPA	BLACK CHOKEBERRY	6	3 GAL.
CA	CLETHRA ALNIFOLIA 'RUBY SPICE'	RUBY SPICE SUMMERSWEET	9	3 GAL.
CS	CORNUS SERICEA	RED TWIG DOGWOOD	6	3 GAL.
*JC	JUNIPERUS CHINENSIS 'BLUE POINT'	BLUE POINT UPRIGHT JUNIPER	3	4-5' HT.
KL	KALMIA LATIFOLIA 'SARAH'	SARAH MOUNTAIN LAUREL	2	5 GAL.
MP	MYRICA PENNSYLVANICA	BAYBERRY	10	5 GAL.
VD	VBURNUM DENTATUM 'BLUE MUFFIN'	BLUE MUFFIN ARROWWOOD 'VBURNUM	3	3 GAL.
VT	VBURNUM TRILOBUM 'WENTWORTH'	AMERICAN CRANBERRY BUSH	9	5 GAL.
PERENNIALS/GRASSES/GROUNDCOVERS				
*HV	HEMEROCALLIS SP.	DAYLILY	11	1 GAL.
*JH	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR JUNIPER	6	3 GAL.

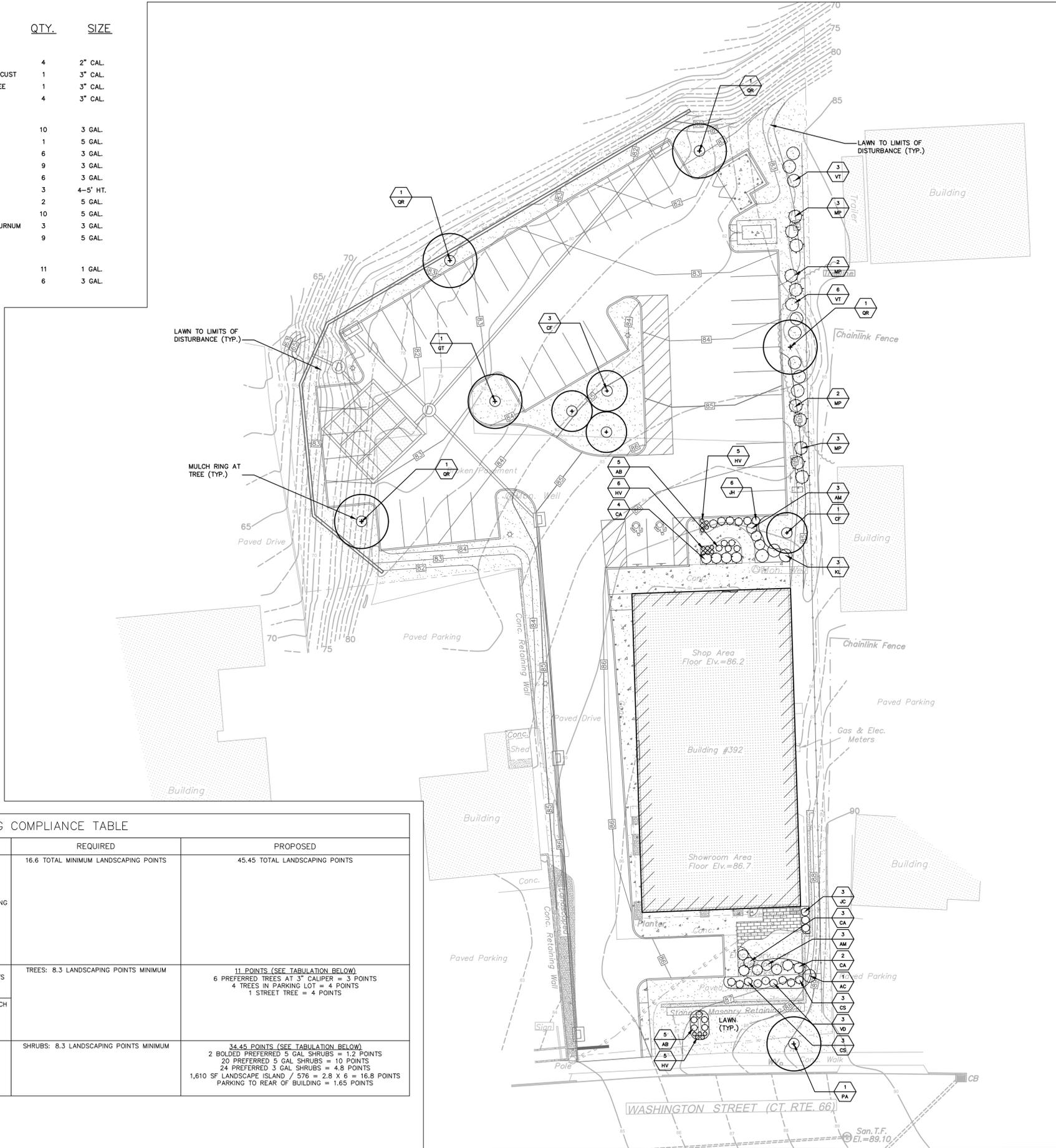
*INDICATES PLANT IS NOT ON PREFERRED SHRUB LIST AND HAS NOT BEEN INCLUDED IN CALCULATION FOR LANDSCAPING POINTS

PLANTING NOTES:

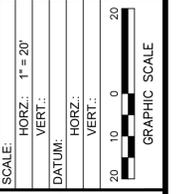
- ALL PLANTING MATERIAL TO BE NURSERY GROWN STOCK SUBJECT TO A.A.N. STANDARD.
- THE CONTRACTOR SHALL SUPPLY ALL PLANTS IN QUANTITIES SUFFICIENT TO COMPLETE THE WORK SHOWN ON THE DRAWINGS AND LISTED IN THE PLANT LIST. IN THE EVENT OF A DISCREPANCY BETWEEN QUANTITIES SHOWN IN THE PLANT LIST AND THOSE REQUIRED BY THE DRAWINGS, THE LARGER NUMBER SHALL APPLY.
- ALL PLANTS SHALL BE APPROVED PRIOR TO INSTALLATION AND SHALL BE LOCATED ON SITE BY THE CONTRACTOR FOR THE APPROVAL OF THE LANDSCAPE ARCHITECT. ANY INSTALLATIONS WHICH WERE NOT APPROVED BY THE LANDSCAPE ARCHITECT AND WHICH ARE SUBSEQUENTLY REQUESTED TO BE MOVED WILL BE DONE AT THE CONTRACTORS EXPENSE.
- PRECISE LOCATION OF ITEMS NOT DIMENSIONED ON THE PLAN ARE TO BE FIELD STAKED BY THE CONTRACTOR AND SHALL BE SUBJECT TO THE REQUIREMENTS SPECIFIED IN THE PREVIOUS NOTE.
- ALL SHRUB MASSINGS AND TREE PITS SHALL BE MULCHED TO A DEPTH OF 3" WITH SHREDDED PINE BARK MULCH.
- TREES SHALL NOT BE STAKED UNLESS OTHERWISE NOTED.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGED VEGETATION AND SHALL REPLACE OR REPAIR ANY DAMAGED MATERIAL, AT HIS OWN EXPENSE. THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT 1-800-922-4455 PRIOR TO CONSTRUCTION.
- ALL SHRUB AND GROUNDCOVER PLANTING AREAS SHALL HAVE CONTINUOUS BEDS OF TOPSOIL 12" DEEP. ALL SOD AND HYDROSEED AREAS SHALL HAVE A MINIMUM TOPSOIL BED OF 6".
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES IN THE FIELD. WHERE PLANT MATERIAL MAY INTERFERE WITH UTILITIES, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT TO COORDINATE THEIR INSTALLATION.
- FOR PLANTING SOIL MIX, SEE SPECIFICATIONS.
- ALL EXISTING RILL, GULLY OR CHANNEL EROSION SHALL BE FILLED WITH APPROPRIATE BACKFILL MATERIAL, FINE RAKED, SCARIFIED AND STABILIZED WITH APPROPRIATE VEGETATIVE MATERIAL AND / OR APPROPRIATE SEDIMENTATION AND EROSION CONTROL MEASURES.
- ADJUSTMENTS IN THE LOCATION OF THE PROPOSED PLANT MATERIAL AS A RESULT OF EXISTING VEGETATION TO REMAIN SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL MAINTENANCE REPAIR AND REPLACEMENT OF PLANT MATERIAL, AS REQUIRED, FOR THE DURATION OF THE PROJECT AND SUBSEQUENT WARRANTY PERIOD.
- PLANTINGS INSTALLED IN THE DRY SUMMER MONTHS AND / OR LAWN SEEDED OUT OF SPRING OR FALL PERIODS, IF ALLOWED BY OWNER, WILL REQUIRE AGGRESSIVE IRRIGATION PROGRAMS AT THE CONTRACTOR'S EXPENSE, UNLESS OTHERWISE DIRECTED BY THE OWNER.
- UPON COMPLETION OF RESULTING, REMOVE FROM SITE ALL EXCESS SOIL, MULCH, AND MATERIALS AND DEBRIS RESULTING FROM WORK OPERATIONS. CLEAN UP SHOULD BE COMPLETED AT THE END OF EACH WORKING DAY. RESTORE TO ORIGINAL CONDITIONS ALL DAMAGED PAVEMENTS, PLANTING AREAS, STRUCTURES AND LAWN AREAS RESULTING FROM LANDSCAPE OPERATIONS.
- CONTRACTOR TO RESEED ALL DISTURBED AREAS.

ZONING COMPLIANCE TABLE

SECTION	DESCRIPTION	REQUIRED	PROPOSED
3 - CALCULATING MINIMUM LANDSCAPING POINTS THRESHOLD	NUMBER OF PARKING SPACES 44 X 500 = 22,000 PARKING ADJUSTMENT S.F. OF DEVELOPMENT AREA 48,599 - 22,000 PARKING ADJUSTMENT = 26,599 X 0.0005 = 13.3 AREA POINTS MIN. NUMBER OF PARKING SPACES 44 X 0.075 = 3.3 PARKING MINIMUM POINTS 0 PARKING SPACES OVER MINIMUM REQUIRED 13.3 AREA POINTS + 3.3 PARKING MINIMUM POINTS + 0 EXCESS POINTS = 16.6 TOTAL MINIMUM THRESHOLD	16.6 TOTAL MINIMUM LANDSCAPING POINTS	45.45 TOTAL LANDSCAPING POINTS
3 - CALCULATING MINIMUM LANDSCAPING POINTS THRESHOLD	PERCENTAGE OF POINTS ACCUMULATED FROM TREES SHOULD BE AT LEAST 50% OF THE MINIMUM THRESHOLD TOTAL POINTS REQUIRED	TREES: 8.3 LANDSCAPING POINTS MINIMUM	11 POINTS (SEE TABULATION BELOW) 6 PREFERRED TREES AT 3" CALIPER = 3 POINTS 4 TREES IN PARKING LOT = 4 POINTS 1 STREET TREE = 4 POINTS
4 - POINTS TREES	BOLDED PREFERRED TREES AT 3" CALIPER = 0.5 POINTS EACH BONUS POINTS, TREE IN PARKING LOT: 1 POINT EACH BONUS POINTS, STREET TREE: 3 POINTS EACH		
4 - POINTS SHRUBS	BOLDED PREFERRED 5 GALLON = 0.6 POINTS EACH PREFERRED 5 GALLON = 0.5 POINTS EACH PREFERRED 3 GALLON = 0.2 POINTS EACH BONUS POINTS, EVERY 576 SF LANDSCAPED ISLAND = 6 POINTS BONUS POINTS, 75% OF PARKING TO REAR OF BUILDING = 3.3/2 = 1.65 POINTS	SHRUBS: 8.3 LANDSCAPING POINTS MINIMUM	34.45 POINTS (SEE TABULATION BELOW) 2 BOLDED PREFERRED 5 GAL SHRUBS = 1.2 POINTS 20 PREFERRED 5 GAL SHRUBS = 10 POINTS 24 PREFERRED 3 GAL SHRUBS = 4.8 POINTS 1,610 SF LANDSCAPE ISLAND / 576 = 2.8 X 6 = 16.8 POINTS PARKING TO REAR OF BUILDING = 1.65 POINTS



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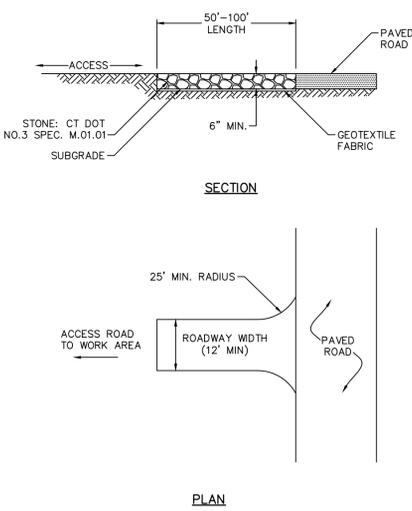
ROOT CENTER FOR ADVANCED RECOVERY
 LANDSCAPE PLAN
 392 WASHINGTON STREET
 MIDDLETOWN, CONNECTICUT

PROJ. No.: 20200586.A10
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LP-101

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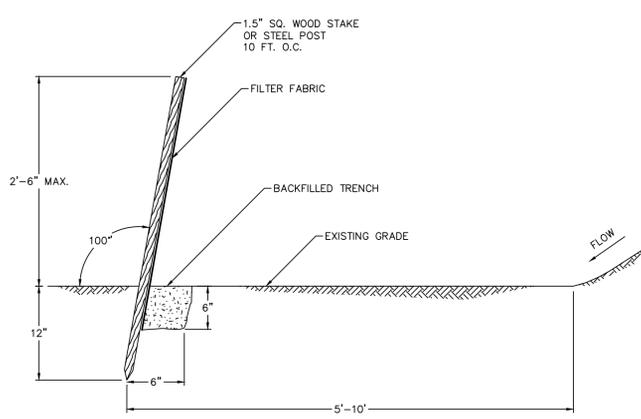


CONSTRUCTION ENTRANCE
 NOT TO SCALE

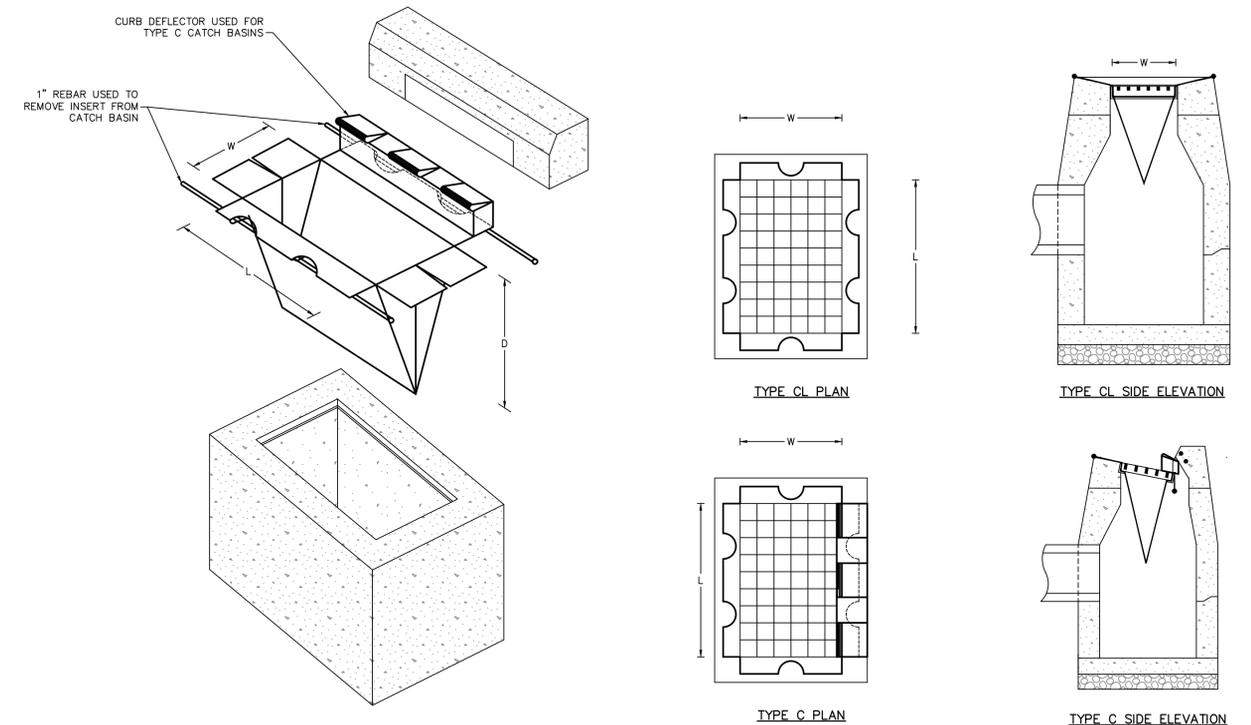
EROSION & SEDIMENT CONTROL NOTES

- 1. CONSTRUCTION STANDARDS** – CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE MOST RECENT EDITION OF THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (CT DEP BULLETIN 34). ALL MEASURES SHALL BE MAINTAINED AND UPGRADED TO ACHIEVE PROPER SEDIMENT CONTROL DURING CONSTRUCTION.
- 2. PLAN IMPLEMENTATION** – IMPLEMENT THIS EROSION AND SEDIMENT CONTROL PLAN. THIS IMPLEMENTATION INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES UNTIL PERMANENT STABILIZATION IS ACHIEVED, INFORMING ALL SUBCONTRACTORS OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND NOTIFYING THE PROPER MUNICIPAL AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY. THE OWNER SHALL BE RESPONSIBLE FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN TO THE NEW OWNER IF THE TITLE OF THE LAND IS TRANSFERRED PRIOR TO ACHIEVING PERMANENT STABILIZATION.
- 3. INSTALLATION SCHEDULE** – INSTALL THE CONSTRUCTION ENTRANCE BEFORE CONSTRUCTION TRAFFIC INTO AND OUT OF THE PROJECT AREA BEGINS. INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO STUMP REMOVAL AND CONSTRUCTION. INSTALL ADDITIONAL CONTROL MEASURES DURING THE CONSTRUCTION PERIOD, IF DEEMED NECESSARY BY THE OWNER, HIS AGENTS OR AGENTS OF THE MUNICIPALITY.
- 4. FUGITIVE DUST** – CONTROL FUGITIVE DUST USING WATER SPRAYS OR CALCIUM CHLORIDE ON SOIL SURFACES, SWEEPING PAVED AREAS, TEMPORARY WINDBREAKS OR NON-ASPHALTIC SOIL TACKIFIERS.
- 5. STRAW BALE LIFE SPAN** – INSTALL STRAW BALES WHERE PROTECTION AND EFFECTIVENESS IS REQUIRED FOR LESS THAN 90 DAYS. OTHERWISE, INSTALL SILT FENCE.
- 6. CATCH BASINS** – PROTECT CATCH BASINS WITH PROPER CONTROLS THROUGHOUT THE CONSTRUCTION PERIOD UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.
- 7. STOCKPILES** – ENCIRCLE STOCKPILES OF ERODIBLE SOIL WITH A STRAW BALE OR SILT FENCE BARRIER. THE SIDE SLOPES OF ERODIBLE STOCKPILED MATERIAL SHALL BE NO STEEPER THAN 2:1. STOCKPILES THAT ARE NOT TO BE USED WITHIN 30 DAYS SHALL BE SEEDED AND MULCHED IMMEDIATELY AFTER THEY ARE FORMED.
- 8. TOE OF SLOPE** – ESTABLISH AN EROSION CONTROL BARRIER (SILT FENCE OR STRAW BALE BARRIER) APPROXIMATELY 5 TO 10 FEET FROM THE PROPOSED TOE OF THE CUT OR FILL AREA PRIOR TO BEGINNING EARTHWORK.
- 9. SEDIMENT REMOVAL** – SEDIMENT REACHING 1/2 THE HEIGHT OF THE EROSION CONTROL BARRIER SHALL BE REMOVED. REMOVE AND DISPOSE OF SEDIMENT IN A MANNER CONSISTENT WITH THE INTENT OF THE PLAN.
- 10. SOIL STABILIZATION SCHEDULE** – APPLY PERMANENT SOIL STABILIZATION MEASURES TO ALL GRADED AREAS WITHIN 7 DAYS OF ESTABLISHING FINAL GRADE. APPLY TEMPORARY SOIL STABILIZATION MEASURES IF FINAL GRADING IS TO BE DELAYED MORE THAN 30 DAYS.
- 11. TEMPORARY SEEDING** – TEMPORARILY SEED ERODIBLE SOILS THAT WILL BE EXPOSED GREATER THAN 1 BUT LESS THAN 12 MONTHS WITHIN THE FIRST 7 DAYS OF SUSPENDING GRADING OPERATIONS. APPLY LIME AT A RATE OF 90 LBS/1000 SQ. FT. APPLY 10-10-10 FERTILIZER AT A RATE OF 7 1/2 LBS/1000 SQ. FT. APPLY PERENNIAL RYE GRASS AT A RATE OF 2 LBS/1000 SQ. FT. TO A DEPTH OF 1/2 INCH. OPTIMUM SEEDING DATES ARE MARCH 15 TO JULY 1 AND AUGUST 1 TO OCTOBER 15. MULCH FOR SEED APPLIED WITHIN THE OPTIMUM SEEDING DATES SHALL BE APPLIED EVENLY SUCH THAT IT PROVIDES 80%-95% SOIL COVERAGE. MULCH FOR SEED APPLIED OUTSIDE OF THE OPTIMUM SEEDING DATES SHALL BE APPLIED EVENLY SUCH THAT IT PROVIDES 95%-100% COVERAGE.
- 12. PERMANENT SEEDING** – SEED PERMANENT LAWN AREAS IN ACCORDANCE WITH THE SPECIFICATIONS.
- 13. INSPECTION** – THE OWNER SHALL SECURE THE SERVICES OF A SOIL SCIENTIST OR PROFESSIONAL ENGINEER TO VERIFY IN THE FIELD THAT THE CONTROLS REQUIRED BY THIS PLAN ARE PROPERLY INSTALLED AND MAINTAINED. THESE INSPECTIONS SHALL BE NOT LESS FREQUENTLY THAN WEEKLY AND WITHIN 24 HOURS OF THE END OF A STORM HAVING A RAINFALL AMOUNT OF 0.1 INCH OR GREATER. FOLLOWING THESE INSPECTIONS, A WRITTEN REPORT SHALL BE PREPARED, INFORMING THE OWNER OR HIS AGENT NOT LESS FREQUENTLY THAN WEEKLY AND THE MUNICIPALITY NOT LESS FREQUENTLY THAN MONTHLY OF OBSERVATIONS, MAINTENANCE, AND CORRECTIVE ACTIVITIES UNDERTAKEN.

SCALE:	HORIZ.: N.T.S.
	VERT.: N.T.S.
	DATUM:
	HORIZ.: N.T.S.
	VERT.: N.T.S.
	GRAPHIC SCALE



SILT FENCE
 NOT TO SCALE



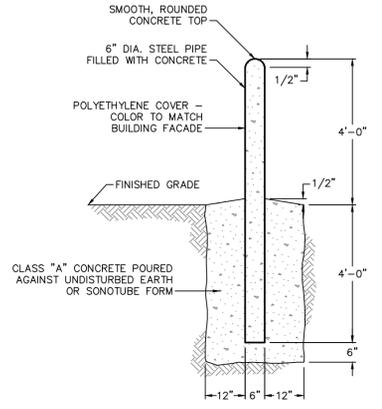
STORMWATER INLET PROTECTION
 NOT TO SCALE

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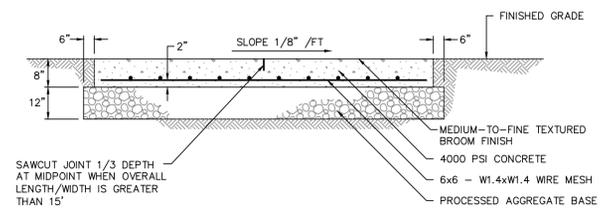
ROOT CENTER FOR ADVANCED RECOVERY
 EROSION AND SEDIMENT CONTROL
 DETAILS
 392 WASHINGTON STREET
 MIDDLETOWN, CONNECTICUT

PROJ. No.: 20200586.A10
 DATE: 07/24/2020

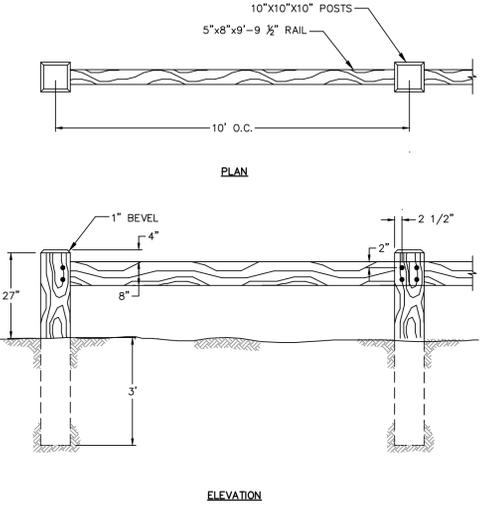
CD-501



BOLLARD
NOT TO SCALE



CONCRETE UTILITY PAD
NOT TO SCALE



- NOTES:
- 1) 4 - 1/2" DIA. 6" LONG LAG BOLTS COUNTERSINK 1 1/2" AND PLUG HOLE WITH WOOD DOWEL. (PRESS FIT)
 - 2) ALL WOOD TO BE PRESSURE TREATED WITH PRESERVATIVE

TIMBER GUIDE RAIL
N.T.S.

SG080 | 9.0L | 80 kW
INDUSTRIAL SPARK-IGNITED GENERATOR SET
EPA Certified Stationary Emergency

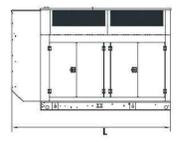


Standby Power Rating
80 kW, 100 kVA, 60 Hz

Prime Power Rating*
72 kW, 90 kVA, 60 Hz

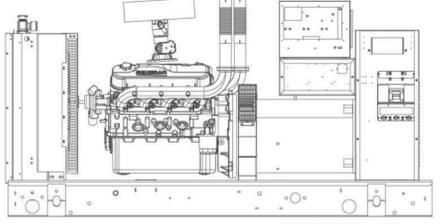


*EPA Certified Prime ratings are not available in the US or its Territories



LEVEL 2 ACOUSTIC ENCLOSURE

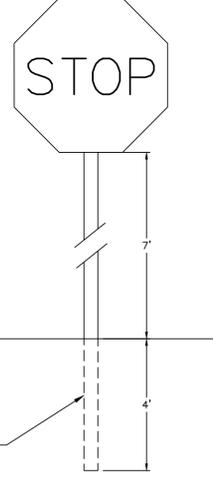
1.6 W x 1.1 H - in (mm)	111.0 (2,840) x 40.5 (1,026) x 68.6 (1,743)
Weight - lbs (kg)	Steel: 3,360 (1,524) Aluminum: 2,928 (1,328)



DEMAND RESPONSE READY

Image used for illustration purposes only

GENERATOR
N.T.S.



STANDARD DOT METAL SIGN POST

- NOTE:
1. TYPICAL SIGN DETAIL. SEE PLANS FOR SIGN LOCATIONS
 2. TYPE: DOT MUTCD
 3. SIZE: R1-1 30X30

STOP SIGN
NOT TO SCALE

NOTES

1. FOOTING DESIGN TO BE CHECKED BY AN ENGINEER FOR WIND LOADS IF SLATS ARE USED OR IF POOR SOIL CONDITIONS EXIST.
2. STRAIGHT RUNS BETWEEN BRACED POSTS SHALL NOT EXCEED 500 FT.
3. FENCE DETAILS ARE INTENDED AS A GUIDE ONLY. ALL FENCE MATERIALS AND CONSTRUCTION METHODS SHALL BE APPROVED BY THE ENGINEER AND FENCE MANUFACTURER.

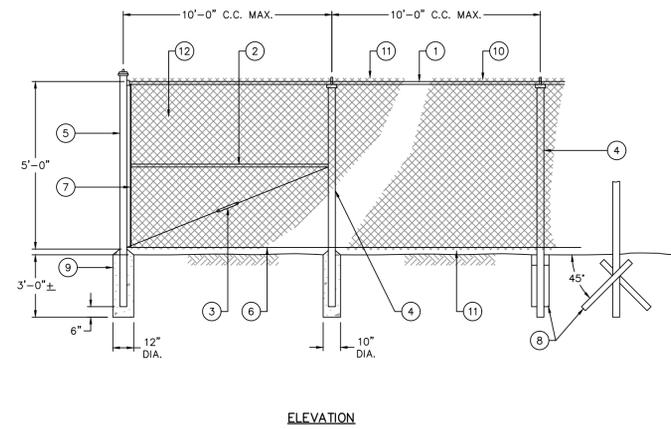
CHAIN LINK FENCE LEGEND

- 1) 5/8" O.D. TOP RAIL ATTACH FABRIC WITH 9 GAUGE WIRE CLIP EVERY 24"
- 2) 1 5/8" O.D. BRACE FOR RAIL FENCES OVER 6 FEET HIGH AND ALL FENCES WITHOUT TOP RAIL
- 3) 5/16" TRUSS ROD AND TURNBUCKLE
- 4) INTERMEDIATE POST

FENCE HEIGHT	SQUARE POST	ROUND POST
6 FEET AND LESS	1 7/8"	2"
OVER 6 FEET	2 1/4"	2 1/2"

 ATTACH TO C.L. FABRIC WITH CLIPS EVERY 15"
- 5) END OR CORNER POST

FENCE HEIGHT	SQUARE POST	ROUND POST
6 FEET AND LESS	2"	2 1/2"
OVER 6 FEET	2 1/2"	3"
- 6) 6 GAUGE BOTTOM TENSION WIRE ATTACH TO FABRIC WITH HOG RING AT 24" C.C.
- 7) TENSION ROD ATTACHED TO END OR CORNER POST
- 8) 2 30" MIN. LENGTH DRIVE ANCHORS DRIVEN THROUGH FITTINGS AT 90° TO FENCE LINE INTO EARTH AT 45° (TO BE USED IN PLACE OF CONCRETE FOOTING. SEE FOOTING DESIGN NOTE NO. 1)
- 9) CONCRETE FOOTING 36" DEEP WITH 12" DIA. AT END POST AND 10" DIA. AT INTERMEDIATE POST. HOLE CORE IN UNDISTURBED OR COMPACTED SOIL. (SEE NOTE NO. 1)
- 10) 6 GAUGE TENSION WIRE WHEN TOP RAIL IS NOT USED.
- 11) FABRIC SELVAGE: UNDER 6 FEET SHALL BE KNUCKLED TOP AND BOTTOM. 6 FEET AND OVER SHALL BE KNUCKLED BOTTOM AND TWISTED ON THE TOP. RECREATIONAL FENCING, REGARDLESS OF HEIGHT, SHALL BE KNUCKLED TOP AND BOTTOM
- 12) 9 GAUGE 2" WIRE MESH FABRIC (COMMERCIAL) BLACK VINYL COATED WITH PRIVACY SLATS.



CHAIN LINK FENCE WITH PRIVACY SLATS
SCALE: N.T.S.

DESIGNER	JHD	REB
DATE	9/2/2020	
RESPONSE TO DESIGN REVIEW BOARD		
DESCRIPTION		

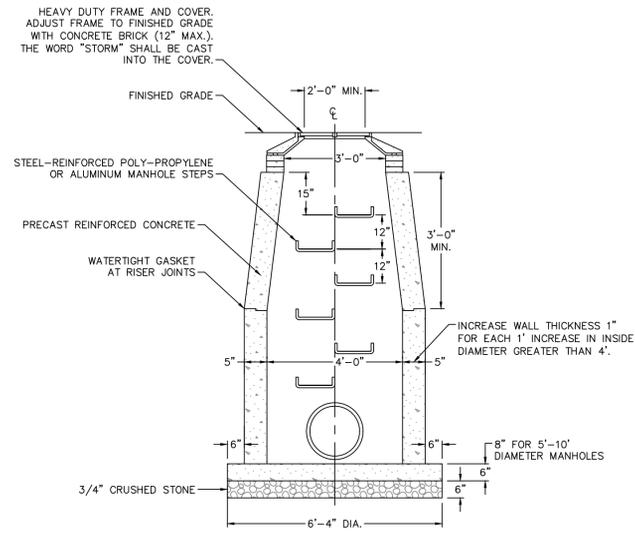
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	VERT.: N.T.S.
DATUM:	
	HORIZ.: N.T.S.
	VERT.: N.T.S.
	GRAPHIC SCALE

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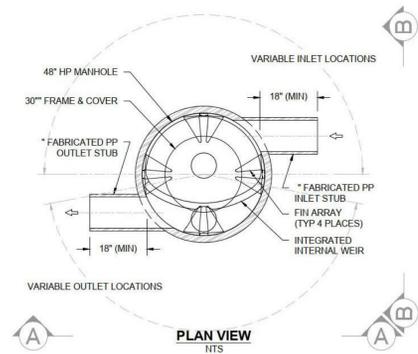
ROOT CENTER FOR ADVANCED RECOVERY
SITE DETAILS
392 WASHINGTON STREET
MIDDLETOWN, CONNECTICUT

PROJ. No.:	20200586.A10
DATE:	07/24/2020

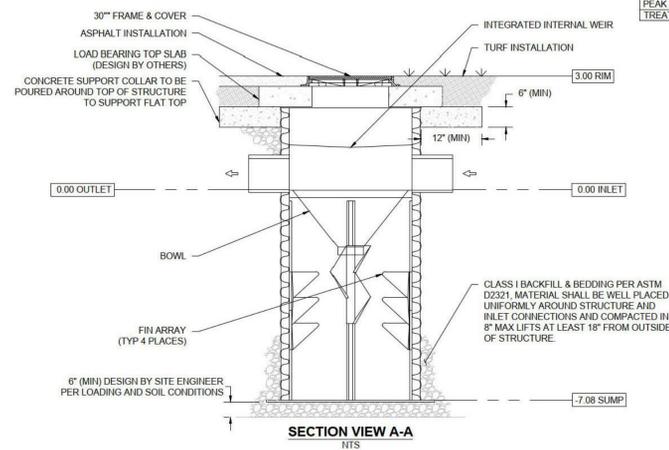
CD-503



STORM MANHOLE
NOT TO SCALE

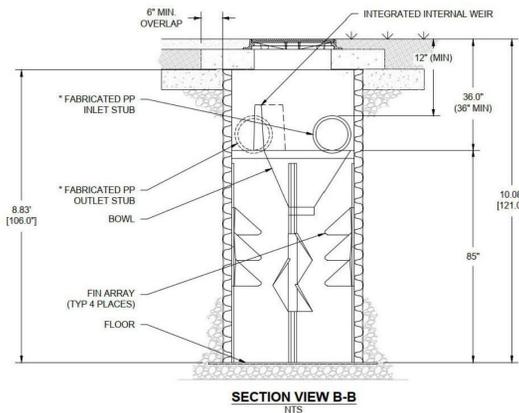


PLAN VIEW
NTS



SECTION VIEW A-A
NTS

BARRACUDA S4	
UNIT ID	BMP#1
PEAK FLOW RATE (CFS)	
TREATMENT FLOW RATE (CFS)	1.25 CFS

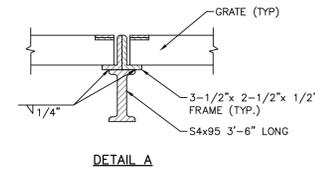


SECTION VIEW B-B
NTS

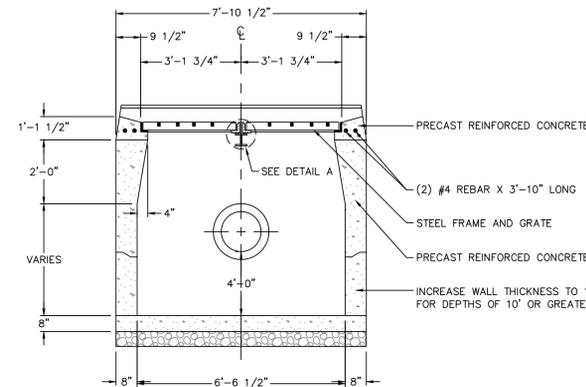
BARRACUDA
1680 TRILEMAN BLVD
HILLIAND, OH 43026
419.949.9428
1-800-250-7283

NOT TO SCALE

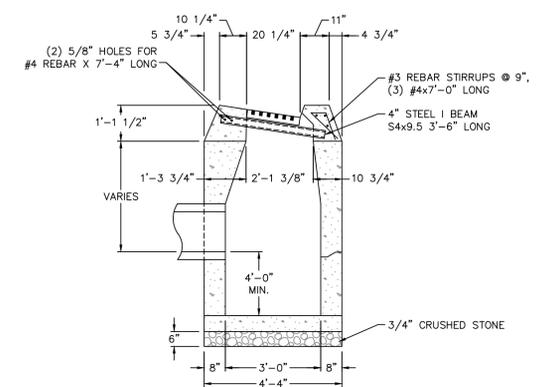
1 SHEET
OF 1



DETAIL A

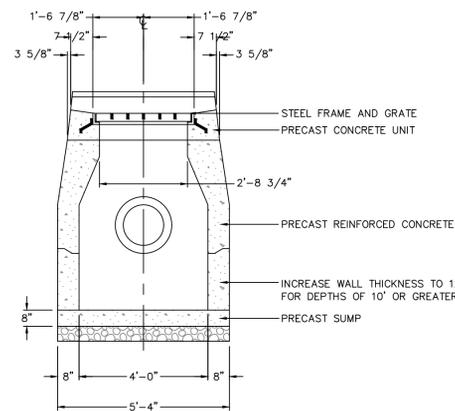


FRONT ELEVATION

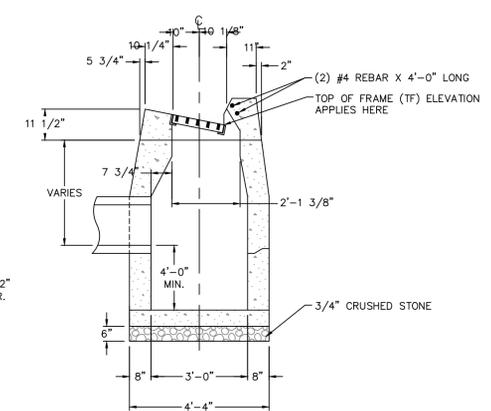


SIDE ELEVATION

TYPE "C" CATCH BASIN, DOUBLE GRATE TYPE II
NOT TO SCALE



FRONT ELEVATION



SIDE ELEVATION

TYPE "C" CATCH BASIN
NOT TO SCALE

HYDRODYNAMIC SEPARATOR
N.T.S.

File Path: J:\DWG\2020\0586A10\Civil\Plan\20200586A10_DET01.dwg Layout: CD-504 Plotted: Wed, September 02, 2020 - 2:38 PM User: jfeninger
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No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SCALE: HORZ.: N.T.S.
VERT.: N.T.S.
DATUM: N.T.S.
VERT.: N.T.S.

GRAPHIC SCALE

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STORMWATER MANAGEMENT DETAILS
392 WASHINGTON STREET
MIDDLETOWN CONNECTICUT

PROJ. No.: 20200586.A10
DATE: 07/24/2020

CD-504

MC-4500 CHAMBER

Designed to meet the most stringent industry performance standards for superior structural integrity while providing designers with a cost-effective method to save valuable land and protect water resources. The StormTech system is designed primarily to be used under parking lots, thus maximizing land usage for private (commercial) and public applications. StormTech chambers can also be used in conjunction with Green Infrastructure, thus enhancing the performance and extending the service life of these practices.



STORMTECH MC-4500 CHAMBER (not to scale)

Nominal Chamber Specifications

Size (L x W x H)
52" x 100" x 60"
1321 mm x 2540 mm x 1524 mm

Chamber Storage
106.5 ft³ (3.01 m³)

Min. Installed Storage*
112.6 ft³ (3.26 m³)

Weight
Nominal 125 lbs (56.7 kg)

Shipping

7 chambers/pallet
5 end caps/pallet
11 pallets/truck

*Assumes a minimum of 12" (300 mm) of stone above, 9" (230 mm) of stone below chambers, 9" (230 mm) of stone between chambers/end caps and 40% stone porosity.

STORMTECH MC-4500 END CAP (not to scale)

Nominal End Cap Specifications

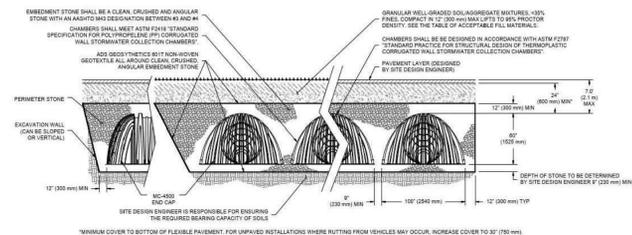
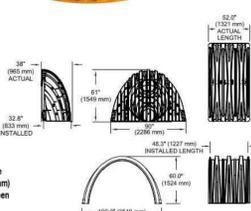
Size (L x W x H)
38" x 90" x 61"
965 mm x 2286 mm x 1549 mm

End Cap Storage
39.5 ft³ (1.12 m³)

Min. Installed Storage*
115.3 ft³ (3.26 m³)

Weight
Nominal 90.0 lbs (40.8 kg)

*Assumes a minimum of 12" (300 mm) of stone above, 9" (230 mm) of stone below, 12" (300 mm) of stone between chambers, 9" (230 mm) of stone between chambers/end caps and 40% stone porosity.



MC-4500 CHAMBER SPECIFICATIONS

STORAGE VOLUME PER CHAMBER FT³ (M³)

Chamber	Bare Chamber Storage (ft ³)	Chamber and Stone Foundation Depth in. (mm)		
		9" (230 mm)	12" (300 mm)	15" (375 mm)
MC-4500 Chamber	106.5 (3.01)	182.6 (4.60)	166.3 (4.21)	169.9 (4.81)
MC-4500 End Cap	39.5 (1.12)	115.3 (3.26)	118.6 (3.36)	121.9 (3.45)

Note: Assumes 9" (230 mm) row spacing, 40% stone porosity, 12" (300 mm) stone above and includes the bare chamber/end cap volume. End cap volume assumes 12" (300 mm) stone perimeter in front of end cap.

AMOUNT OF STONE PER CHAMBER

English Tons (yds ³)	Stone Foundation Depth			
	9"	12"	15"	18"
MC-4500 Chamber	7.4 (5.2)	7.8 (5.5)	8.3 (5.9)	8.8 (6.2)
MC-4500 End Cap	9.8 (7.0)	10.2 (7.3)	10.6 (7.6)	11.1 (7.9)

Note: Assumes 12" (300 mm) of stone above and 9" (230 mm) row spacing and 12" (300 mm) of perimeter stone in front of end caps.

VOLUME EXCAVATION PER CHAMBER YD³ (M³)

Chamber	Stone Foundation Depth			
	9" (230 mm)	12" (300 mm)	15" (375 mm)	18" (450 mm)
MC-4500 Chamber	10.5 (8.0)	10.8 (8.3)	11.2 (8.5)	11.5 (8.6)
MC-4500 End Cap	9.7 (7.4)	10.0 (7.6)	10.3 (7.9)	10.6 (8.1)

Note: Assumes 9" (230 mm) of separation between chamber rows, 12" (300 mm) of perimeter in front of the end caps, and 24" (600 mm) of cover. The volume of excavation will vary as depth of cover increases.



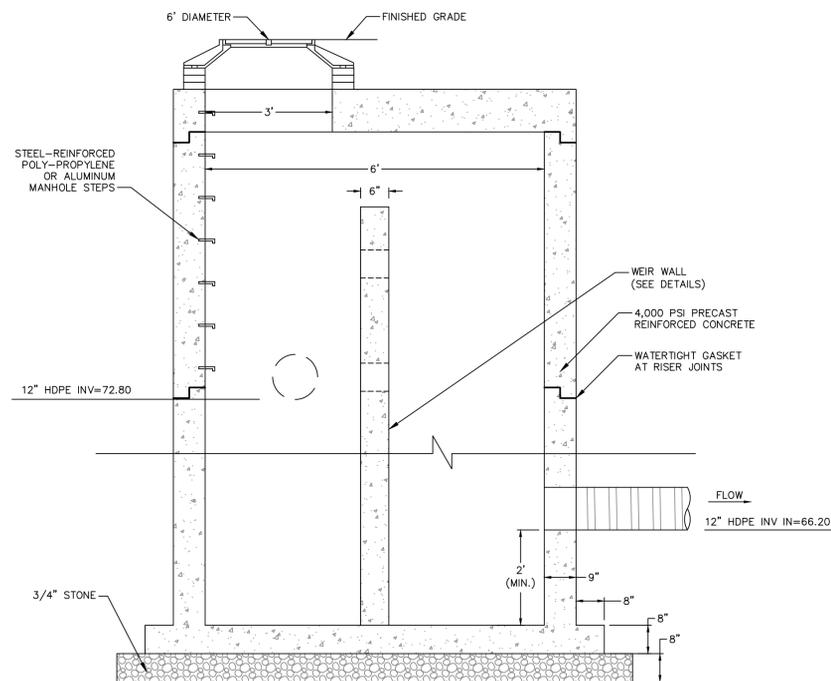
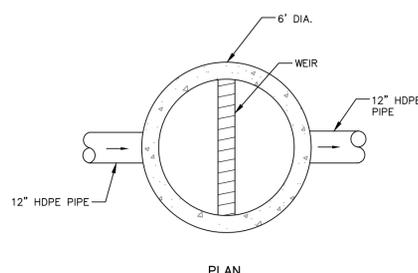
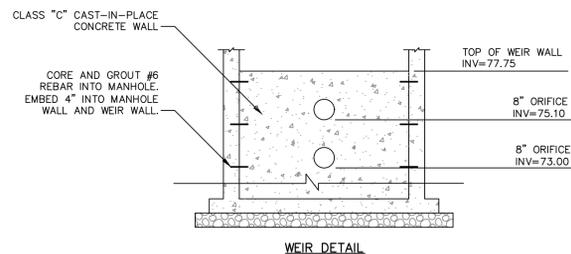
Working on a project?
Visit us at www.stormtech.com
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For more information on the StormTech MC-4500 Chamber and other ADS products, please contact our Customer Service Representatives at 1-800-821-6710

THE MOST ADVANCED NAME IN WATER MANAGEMENT SOLUTIONS™

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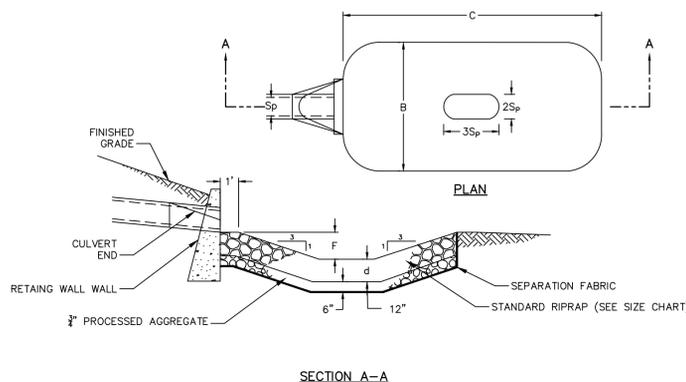
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OUTLET CONTROL STRUCTURE
N.T.S.

SUBSURFACE INFILTRATION SYSTEM

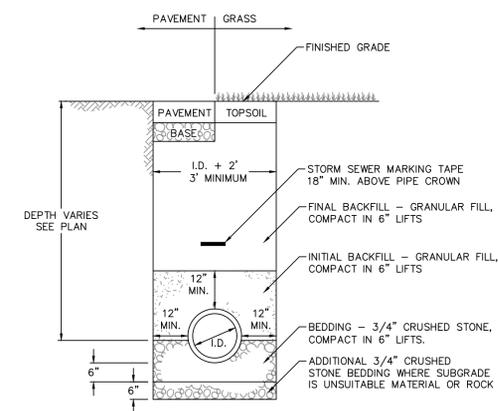
N.T.S.



PIPE SIZE	12"
B	5'
C	6'
d	12"
2Sp	2.0'
3Sp	3.0'
F=0.5Sp	0.5'

NOTES:
1. BASED ON THE CONNECTICUT DOT DRAINAGE MANUAL, SECTION 11.13.

SCOUR HOLE
NOT TO SCALE



STORM SEWER TRENCH
NOT TO SCALE

No.	DATE	RESPONSE TO DESIGN REVIEW BOARD	DESIGNER	REVIEWER
1.	9/2/2020		JHD	

SCALE:	HORZ.: N.T.S.
	VERT.: N.T.S.
	DATUM:
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STORMWATER MANAGEMENT DETAILS
392 WASHINGTON STREET
MIDDLETOWN CONNECTICUT

PROJ. No.: 20200586.A10
DATE: 07/24/2020

CD-505

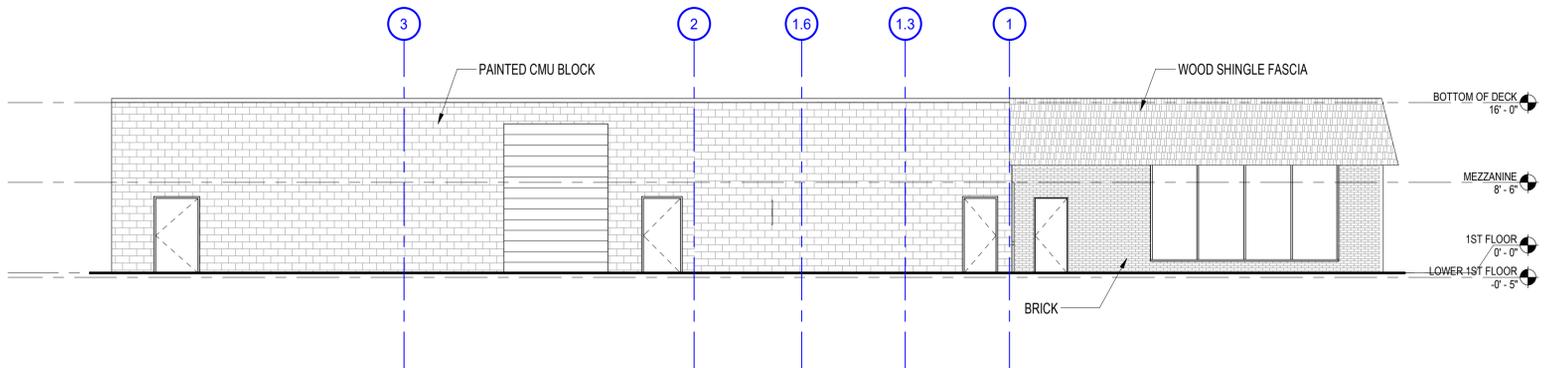


Luminaire Schedule					
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1	SL4T	53.68	BACK-BACK	0.900	(2 Heads) Beacon VP-S-24L-55-3K7-4W-UNV-A-x-x / Mid to 20ft Pole
3	WP4	27.9	SINGLE	0.900	Hubbell LNC3-24L3K-035-4-U-x

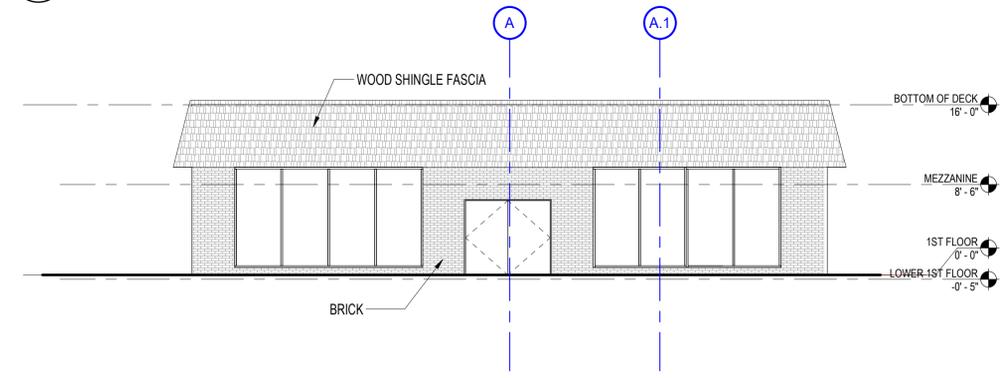
Calculation Summary						
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CalcPts_1	Fc	0.34	4.2	0.0	N.A.	N.A.
Parking Lot & Drive Lane	Fc	0.88	2.3	0.1	8.80	23.00

Project: RCA Middletown	
Contact: Liza Tuttle Specification Sales (860) 751-4388 ltuttle@illuminate.com	Detail: Photometric Calculation Date: 8/3/2020 Revision: B Scale: 1" = 20'-0" Drawn By: AJS
 44 Sixth Road Woburn, MA 01801 (781) 935-8500 333 Pleasant Valley Road South Windsor, CT 06074 (860) 282-0597	
Drawing Number: L-1	
Sheet 1 of 1	

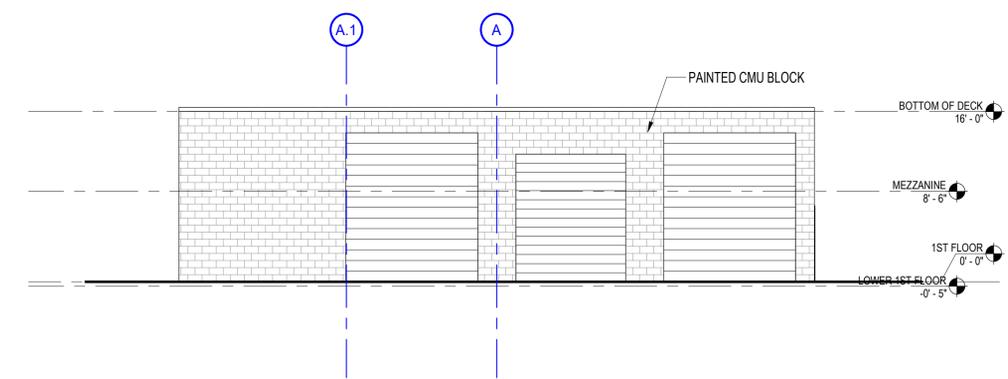
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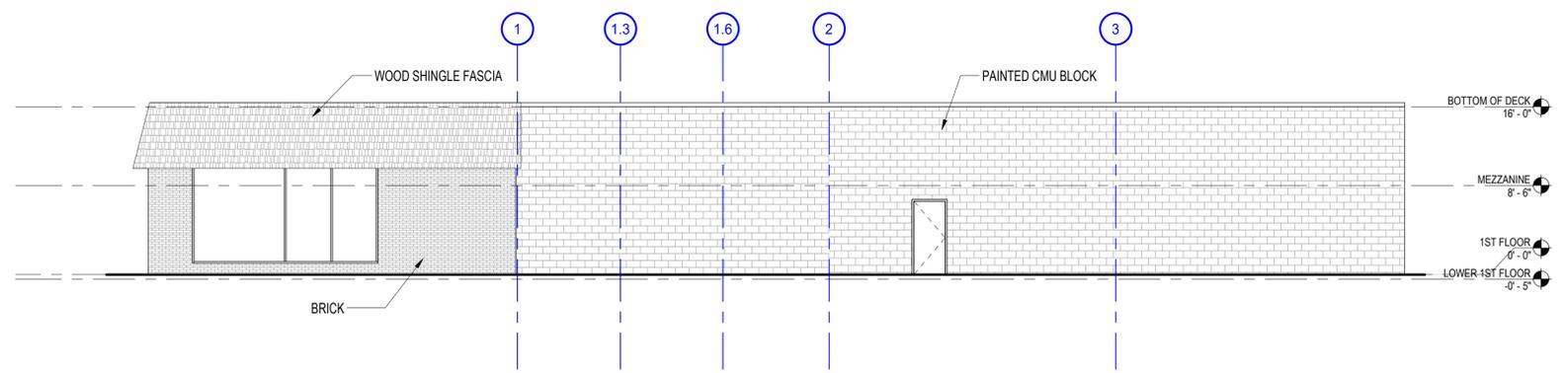
B10 EXISTING WEST ELEVATION
1/8" = 1'-0"



D10 EXISTING SOUTH ELEVATION
1/8" = 1'-0"



F10 EXISTING NORTH ELEVATION
1/8" = 1'-0"



H10 EXISTING EAST ELEVATION
1/8" = 1'-0"



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Project
MIDDLETOWN CLINIC
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Seals
**PRELIMINARY ZONING
SUBMISSION**

Issues	Date	Description

Revisions	No.	Date	Description

Drawing Title
**EXISTING
CONDITIONS -
EXTERIOR
ELEVATIONS**

Issue Date: 7/24/2020
Project No: RCA02AR Scale: 1/8" = 1'-0"
Project Manager: Production Leader:
Project Architect: Peer Reviewer:
Drawing Number



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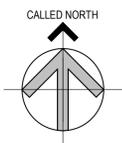
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Issues	Date	Description

Revisions	No.	Date	Description
A	08/07/20	CANOPY CHANGE	
C	09/01/20	SCREENWALL/TRELLIS CHG.	

Drawing Title
FLOOR PLAN

Issue Date: 7/31/2020

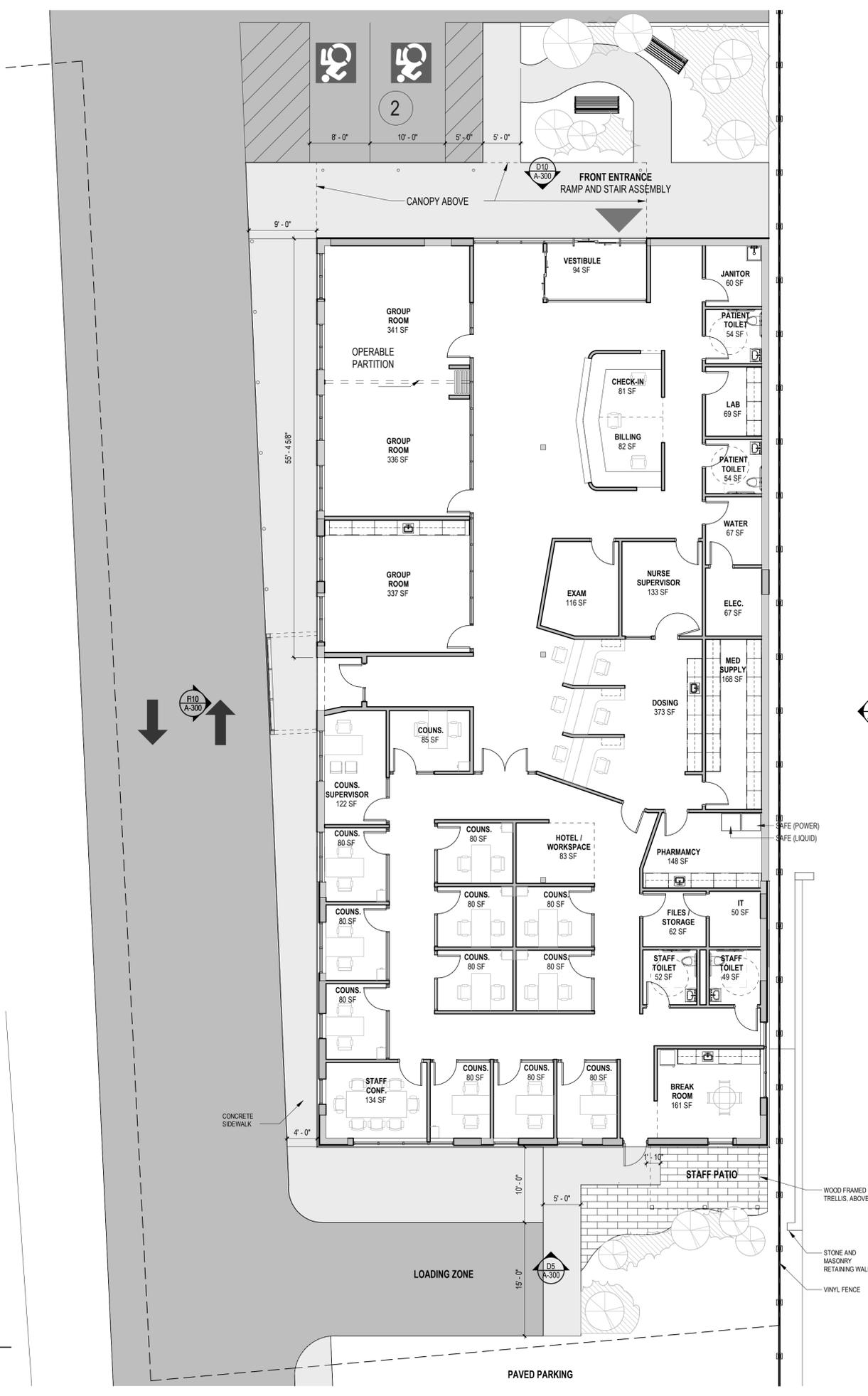
Project No: RCA02AR Scale: 1/8" = 1'-0"

Project Manager: Production Leader:

Project Architect: Peer Reviewer:

Drawing Number

A-200



1 FIRST FLOOR PLAN
1/8" = 1'-0"

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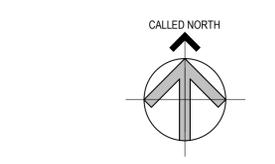
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Seals
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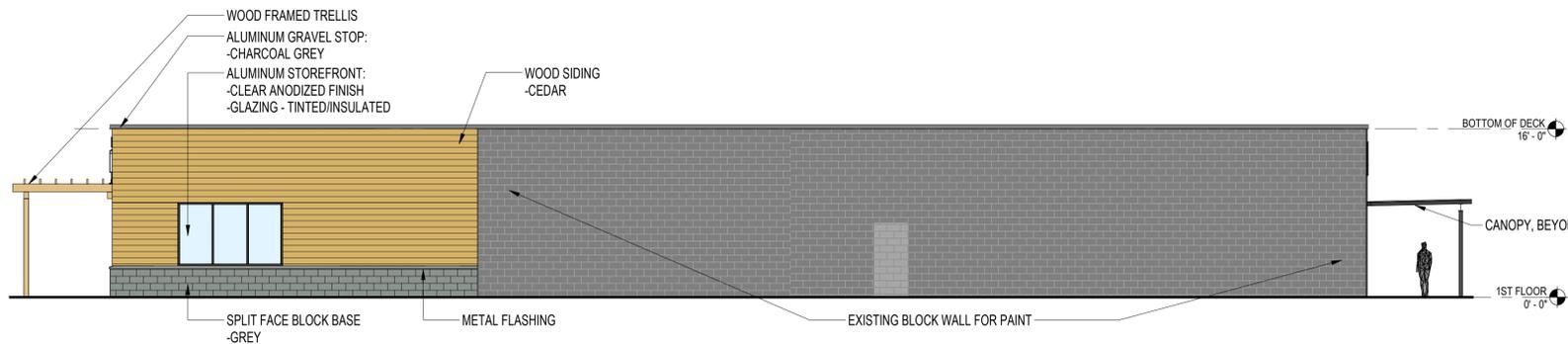
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Revisions	No.	Date	Description
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B	08/18/20	SCREEN WALL CHANGE	
C	09/01/20	SCREENWALL/TRELLIS CHG.	

Drawing Title
**EXTERIOR
 ELEVATIONS**

Issue Date:	7/31/2020
Project No:	RCA02AR
Scale:	1/8" = 1'-0"
Project Manager:	Production Leader:
Project Architect:	Peer Reviewer:

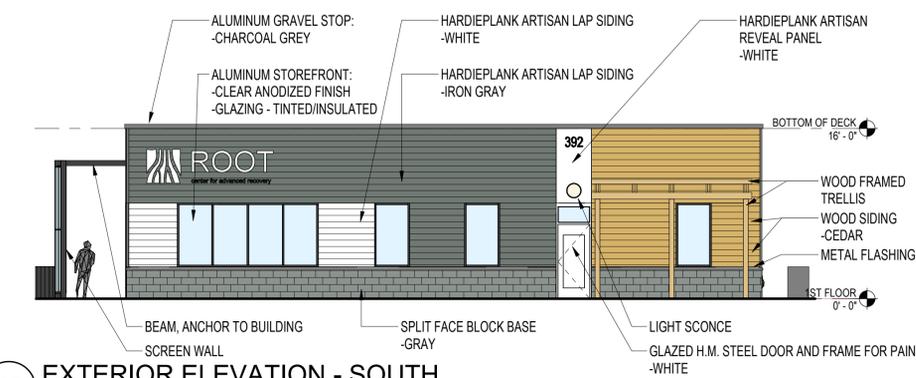
Drawing Number
A-300



B10 EXTERIOR ELEVATION - EAST
 1/8" = 1'-0"



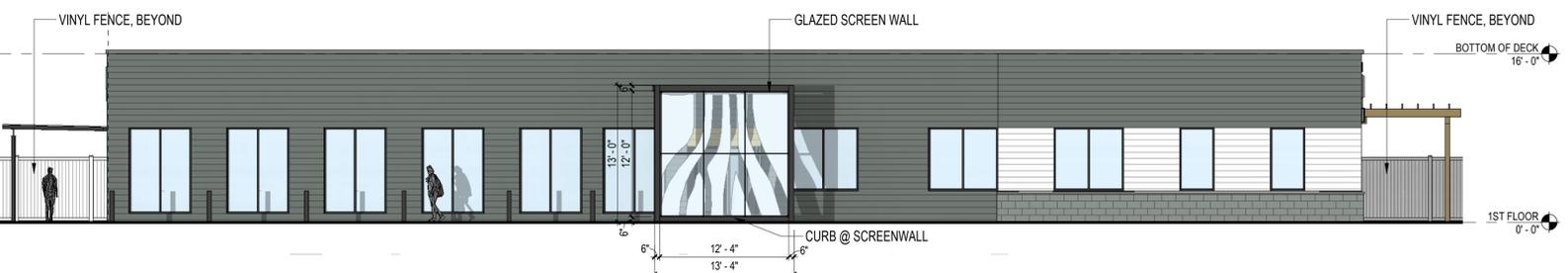
D10 EXTERIOR ELEVATION - NORTH
 1/8" = 1'-0"



D5 EXTERIOR ELEVATION - SOUTH
 1/8" = 1'-0"



F10 EXTERIOR ELEVATION - WEST
 1/8" = 1'-0"



H10 EXTERIOR ELEVATION - WEST w/ GLAZED SCREEN WALL
 1/8" = 1'-0"

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PERSPECTIVE VIEW - SCREEN WALL



PERSPECTIVE VIEW - FROM SOUTHWEST



PERSPECTIVE VIEW - FROM NORTHWEST



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Seals

PRELIMINARY ZONING
SUBMISSION

Issues

Date	Description

Revisions

No.	Date	Description
A	08/07/20	CANOPY CHANGE
B	08/18/20	SCREEN WALL CHANGE
C	09/01/20	SCREENWALL/TRELLIS CHG.

Drawing Title

**PERSPECTIVE
VIEWS**

Issue Date: 7/31/2020

Project No: RCA02AR Scale:

Project Manager: Production Leader:

Project Architect: Peer Reviewer:

Drawing Number

A-400