

February 14, 2022

Portsmouth Conservation Commission
1 Junkins Ave
Portsmouth, NH 03801

SUBJECT: Wetland Buffer Conditional Use Request
Granite State Convenience
Proposed Retail Motor Fuel Outlet
2255 Lafayette Road
Map 272 Lot 3

Dear Members of the Portsmouth Conservation Commission:

On behalf of Granite State Convenience **Greenman-Pedersen, Inc. (GPI)** is hereby requesting a Wetland Buffer Conditional Use Permit from the Portsmouth Conservation Commission for the following:

- **Article 10.1016** to allow development within the wetland buffer zone

The project site consists of one parcel identified as Map 272 Lot 3 which totals approximately 2.571 acres. The site is bordered by Lafayette Road (Route 1) to the northwest, commercial properties to the northeast and southwest and wooded areas containing wetlands to the south and southeast. The site is previously developed and contains a Burger King restaurant with drive-thru, which is currently not in use, and associated paved parking lot and driveways to Lafayette Road. The majority of the lot is paved and on-site drainage structures are limited to a single catch basin in the landscaped area northwest of the existing building which had no visible pipe outlet at the time of survey. Granite State Convenience is proposing to raze the existing restaurant and construct a retail motor fuel outlet consisting of a 5,555 sf convenience store/sandwich shop with drive-through service and a fueling canopy with 5 retail fuel dispenser islands (10 fueling locations), and associated paved driveways and parking.

This request is made in accordance with the provisions contained in Article 10.1017.50 of the City of Portsmouth Zoning Ordinance. GPI is providing the following information in support of the criteria listed in that Section:

Any proposed development, other than installation of utilities within a right-of-way, shall comply with all of the following criteria:

(1) The land is reasonably suited to the use, activity or alteration.

The land has previously been disturbed for a similar use.

The proposed development will consist of razing the existing fast food restaurant and removing 59,940 sf of impervious pavement and concrete, and constructing a development with a smaller development footprint. In addition, approximately 9,000 sf of current impervious area will be restored to its natural state with the proposed development.

The majority of the wetland buffer disturbance area is within the buffer to a swale between the site and the neighboring property to the east. This swale conveys water from the NH DOT drainage system.

(2) There is no alternative location outside the wetland buffer that is feasible and reasonable for the proposed use, activity or alteration.

The site has been designed in a way that minimizes activity in the wetland buffer area. The total impervious area within the wetland buffer will be decreased by over 9,000 sf between the existing and proposed use. The distance between the developed area will increase from 10 ft to the dumpster and 14 ft to paved surfaces in the existing condition to 25 ft in the proposed condition.

(3) There will be no adverse impact on the wetland functional values of the site or surrounding properties;

As stated in criterion 3, the proposed development will decrease impervious cover within the wetland buffer area and increase wetland buffer widths. The proposed development also includes a comprehensive stormwater management system which will decrease the pollutant load to the wetland by installing deep sump catch basins with “Eliminator” oil hoods, first defense hydrodynamic separator unit, and an oil/water separator tank.

(4) Alteration of the natural vegetative state or managed woodland will occur only to the extent necessary to achieve construction goals; and

There will be no alteration to natural vegetative state in the wetland buffer as all work will occur in previously disturbed areas.

(5) The proposal is the alternative with the least adverse impact to areas and environments under the jurisdiction of this Section.

The proposed site work has been designed to have the least adverse impact to the wetland buffer. Per Conservation Commission comments on the Preliminary Site Plan, the underground storage tanks have been shifted to the west side of the lot furthest away from the wetland and outside the wetland buffer, the loading zone has been relocated to the westerly side of the property so the southern edge of the development can shift further out of the wetland buffer, and parking spaces have been eliminated on the eastern side of the development. In addition, as recommended by the Conservation Commission, a depressed area has been created along the northeast of the site to collect and filter snowmelt from snow storage to snowmelt from directly entering the wetland.

(6) Any area within the vegetated buffer strip will be returned to a natural state to extent feasible.

A portion of the previously disturbed area within the wetland buffer will be restored to a natural state as a part of this project.

If you have any questions or need additional information, please feel free to contact me directly at 603-374-7906 or by email at nduquette@gpinet.com

Sincerely,

Nicole Duquette

Nicole Duquette, LEED AP
Project Manager

enclosure(s)

cc: Brad Pernaw, Granite State Convenience

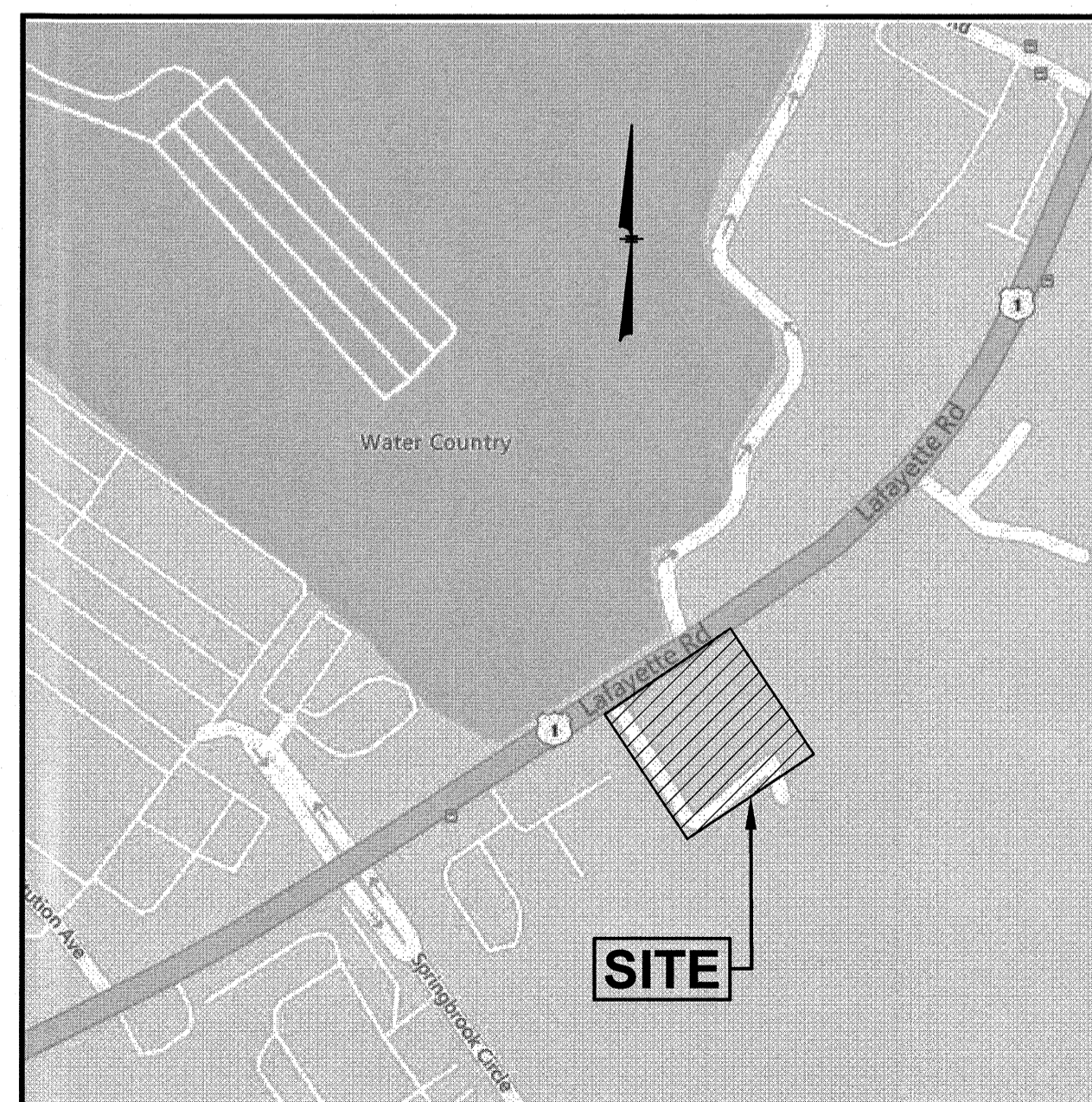
PROPOSED RETAIL MOTOR FUEL OUTLET SITE REDEVELOPMENT PLANS

for

**ASSESSORS MAP 272 LOT 3
2255 LAFAYETTE ROAD
PORTSMOUTH, NEW HAMPSHIRE**

Prepared for:

**GRANITE STATE CONVENIENCE, LLC
25 SPRINGER ROAD
HOOKSETT, NH 03106**

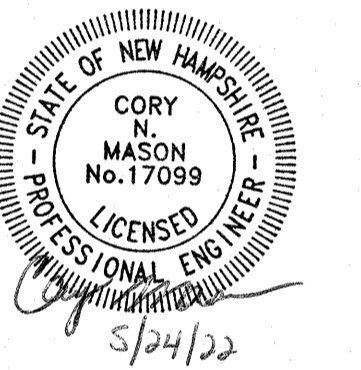


LOCATION MAP
(NOT TO SCALE)

INDEX TO DRAWINGS

1. TITLE SHEET
2. EXISTING CONDITIONS PLAN
3. DEMOLITION PLAN
4. SITE PLAN
5. GRADING & DRAINAGE PLAN
6. UTILITY PLAN
7. EROSION & SEDIMENT CONTROL PLAN
8. LANDSCAPE PLAN
9. DETAIL SHEET
10. DETAIL SHEET
11. DETAIL SHEET
12. DETAIL SHEET
13. DETAIL SHEET
14. DETAIL SHEET
15. SIGN & GRAPHICS PLAN
- 1 OF 1. TRUCK TURN PLAN
- 1 OF 2. LIGHTING PLAN (RL-7838-S1)
- 2 OF 2. LIGHTING DETAILS (RL-7838-S1)
- 1 OF 2. EXTERIOR ELEVATIONS (P201)
- 2 OF 2. EXTERIOR ELEVATIONS (P202)
- 1 OF 1. PROPOSED CANOPY ELEVATIONS

**PROPOSED RETAIL MOTOR
FUEL OUTLET
2255 LAFAYETTE ROAD
PORTSMOUTH, NH 03801**



REVISIONS

NO.	REVISION	DATE
4	REV. SHEETS 4-8, TT	5/10/22
3	REV. SHEETS 4-8, 12, 14, TT, ADD SHEET 13	4/19/22
2	REV. SHEETS 2-9, 11, TT	3/22/22
1	REV. SHEET 4	2/9/22
JANUARY 26, 2022		
DRAWN/DESIGN BY CCC/NID		CHECKED BY DRJ

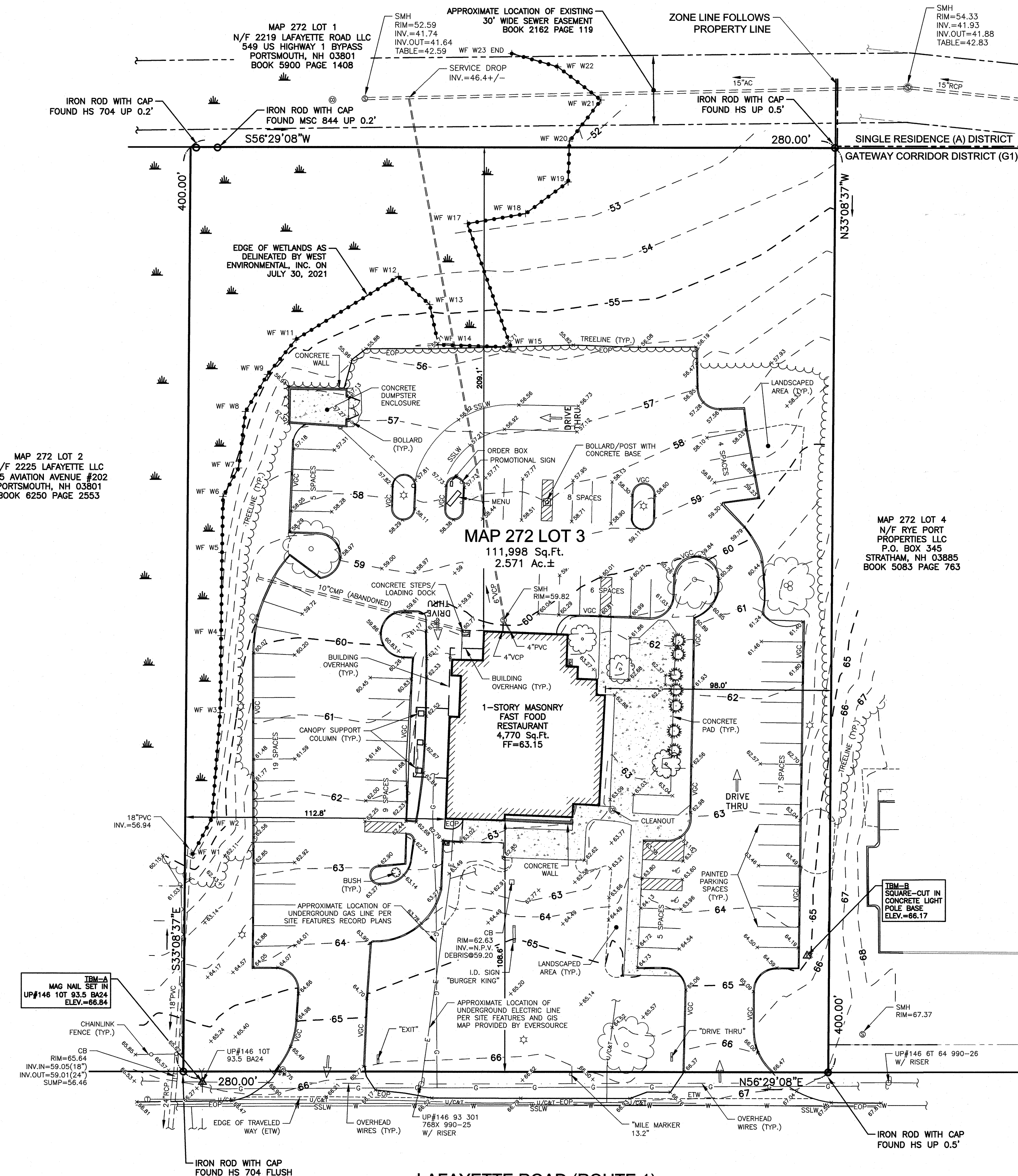
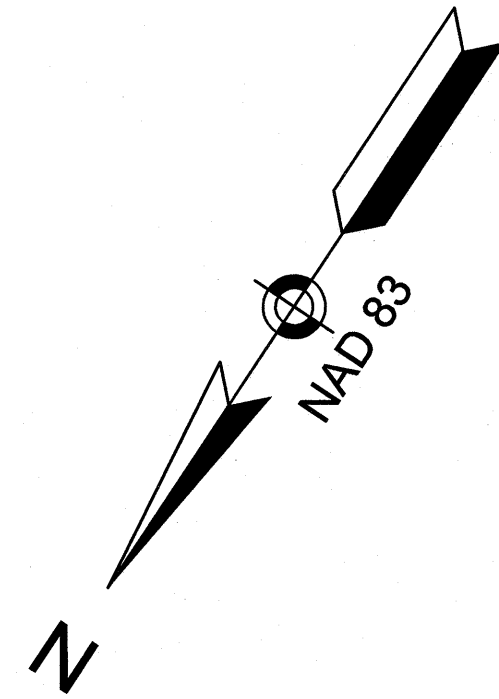
TITLE SHEET

SCALE:
NOT TO SCALE

PROJECT NO.
NEX-2021163

1 OF 15

F:\Projects\NEX-2021163 - Portsmouth, NH - GSC\CAD Files\21163_SV.dwg ECP 4/19/22 4:14pm ccoll

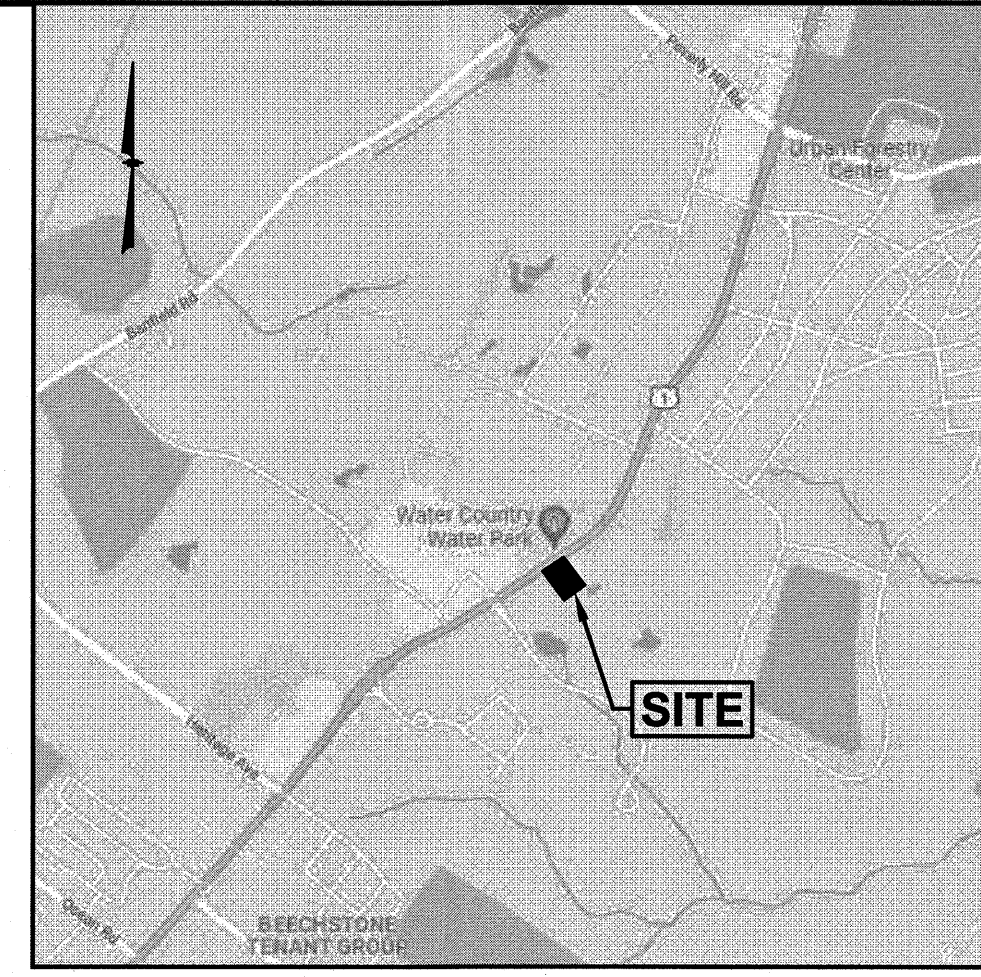
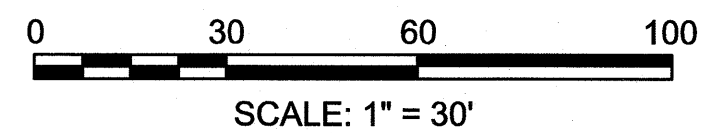


LEGEND

- VSC VERTICAL GRANITE CURB
- SSLW SINGLE SOLID LINE WHITE
- G GAS LINE
- U/GAS UNDERGROUND COMM
- W WATER LINE
- E UNDERGROUND ELECTRIC
- CLF CHAIN LINK FENCE
- 90 CONTOUR ELEVATION
- TREE
- UTILITY POLE
- GUY WIRE
- OVERHEAD WIRE
- TREELINE
- SIGN
- SPOT ELEVATION
- CATCH BASIN
- CLEANOUT
- SEWER MANHOLE
- TELEPHONE MANHOLE
- WATER SHUT OFF
- BOLLARD
- GAS METER
- LIGHT POLE
- WETLAND LINE
- EASEMENT LINE
- PROPERTY LINE
- ABUTTER PROPERTY LINE
- ZONE LINE

PLAN REFERENCES:
ROCKINGHAM COUNTY REGISTRY OF DEEDS

- 1) R.C.R.D. PLAN D-33166
- 2) R.C.R.D. PLAN D-37134
- 3) R.C.R.D. PLAN D-20705
- 4) R.C.R.D. PLAN D-15321
- 5) R.C.R.D. PLAN C-3702
- 6) R.C.R.D. PLAN C-7649
- 7) R.C.R.D. PLAN D-41895



LOCATION MAP
(NOT TO SCALE)

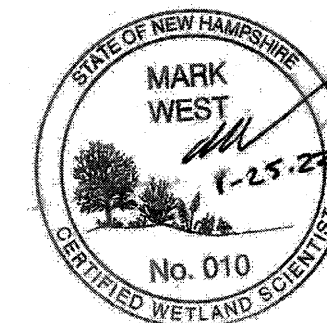
NOTES:

- 1) ZONE: GATEWAY CORRIDOR DISTRICT (G1)
MIN. LOT SIZE: 1 ACRE
SETBACKS:
FRONT 70' TO 90' FROM CENTER OF LAFAYETTE RD
SIDE 10 Ft.
REAR 15 Ft.
REFER TO THE CITY OF PORTSMOUTH ZONING ORDINANCE FOR VERIFICATION, ADDITIONAL RESTRICTIONS AND PERMITTED USES. THE ZONING INFORMATION SHOWN HEREON IS BASED ON A REVIEW OF THE PORTSMOUTH ZONING ORDINANCE.
- 2) THIS PLAN IS THE RESULT OF AN ON-THE-GROUND FIELD SURVEY PERFORMED BY THIS OFFICE BETWEEN AUGUST 10 AND NOVEMBER 3, 2021.
- 3) WETLAND FLAGS WERE DELINEATED BY WEST ENVIRONMENTAL, INC. ON JULY 30, 2021 AND LOCATED BY THIS OFFICE.
- 4) BEARINGS SHOWN HEREON ARE BASED ON NAD83 PER GPS OBSERVATIONS PERFORMED BY THIS OFFICE ON AUGUST 16, 2021.
- 5) ELEVATIONS SHOWN HEREON ARE BASED ON NAVD88 PER GPS OBSERVATIONS PERFORMED BY THIS OFFICE ON AUGUST 16, 2021.
- 6) LOCATION OF UNDERGROUND UTILITIES IS APPROXIMATE ONLY. ADDITIONAL UNDERGROUND UTILITIES OTHER THAN THOSE SHOWN MAY BE ENCOUNTERED. INVERTS ARE LISTED IN A CLOCKWISE DIRECTION ENDING WITH THE INVERT OUT (UNLESS OTHERWISE NOTED).
- 7) THE SURVEY TRACT IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA (100 YEAR FLOOD) PER FLOOD INSURANCE RATE MAP NUMBER 33015C0270F, WITH AN EFFECTIVE DATE OF JANUARY 29, 2021.
- 8) A TOTAL OF 73 (71 REGULAR, 2 ACCESSIBLE) CLEARLY IDENTIFIABLE PARKING SPACES WERE OBSERVED IN CONDUCTING THIS SURVEY.

WETLAND NOTES

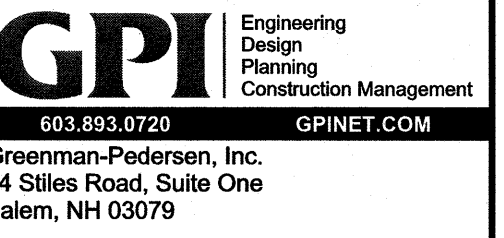
WETLANDS WERE DELINEATED BY WEST ENVIRONMENTAL, INC. ON JULY 30, 2021 UTILIZING THE FOLLOWING STANDARDS:

- 1) US ARMY CORPS OF ENGINEERS INTERIM REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, TECHNICAL REPORT ERDC/EL TR-09-19 (OCT 2009).
- 2) FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, A GUIDE FOR IDENTIFYING AND DELINEATING HYDRIC SOILS, VERSION 7.0. UNITED STATES DEPARTMENT OF AGRICULTURE (2010).
- 3) NORTH AMERICAN DIGITAL FLORA: NATIONAL WETLAND PLANT LIST, VERSION 2.2.1 (2009).
- 4) CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES. USFW MANUAL FWS/OBS-79/31 (1979).



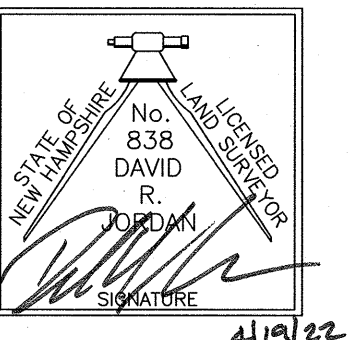
OWNER OF RECORD:

MAP 272 LOT 3
MASTORAN RESTAURANTS, INC.
822 LEXINGTON STREET
WALTHAM, MA 02154
BOOK 3572 PAGE 199



PREPARED FOR
GRANITE STATE
CONVENIENCE, LLC
25 SPRINGER ROAD
HOOKSETT, NH

**PROPOSED RETAIL MOTOR
FUEL OUTLET**
**2255 LAFAYETTE ROAD
PORTSMOUTH, NH 03801**



REVISIONS

NO.	REVISION	DATE
1	REVISE SEWER	3/22/22
JANUARY 26, 2022		
DRAWN/DESIGN BY		CHECKED BY
AKC		DRJ

**EXISTING
CONDITIONS
PLAN**

SCALE: 1"=30'

PROJECT NO.
NEX-2021163

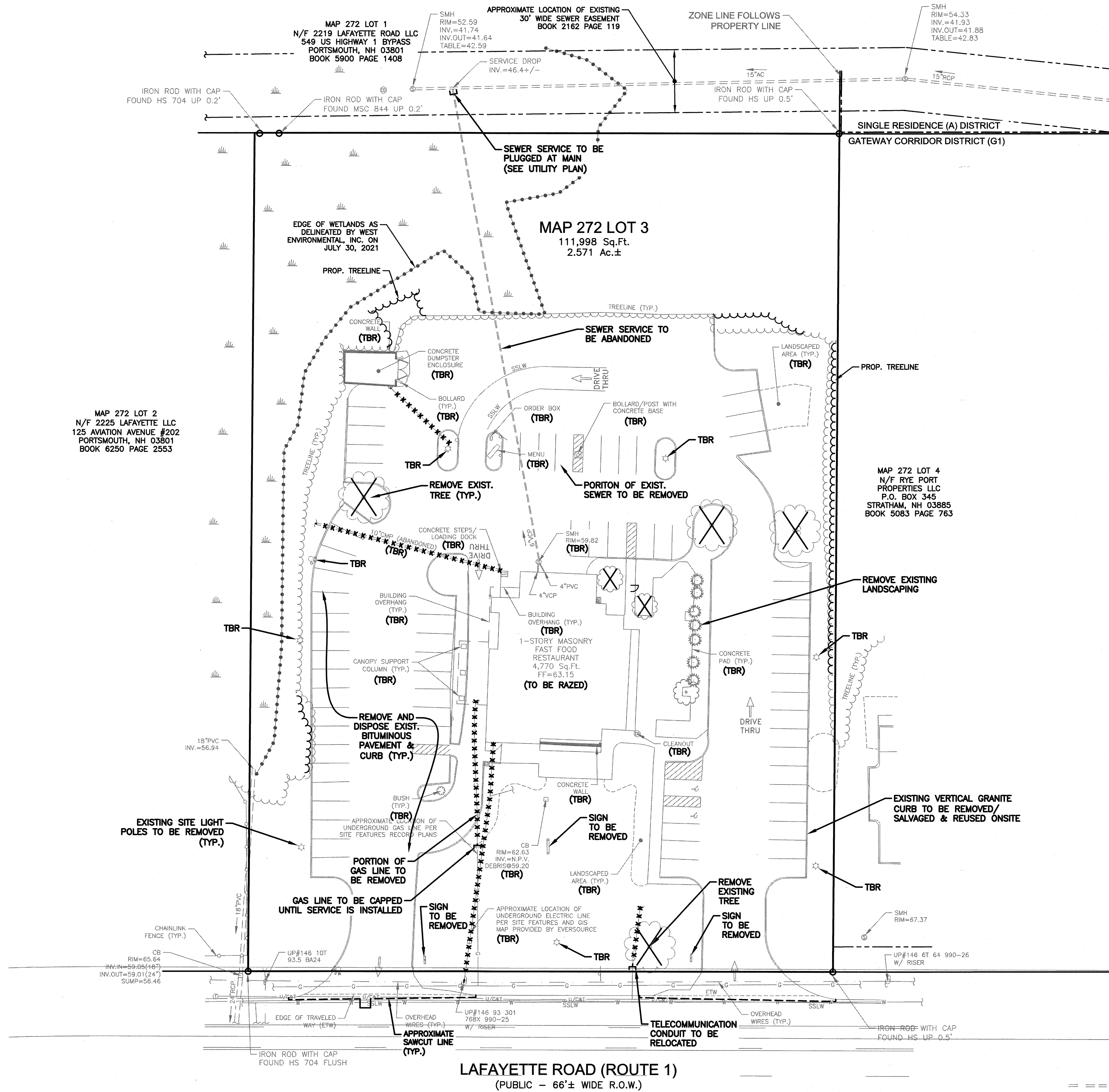
F:\Projects\NEX-2021163 - Portsmouth, NH - OSC\CAD Files\21163_SP.dwg DEMO 4/19/22 4:14pm ccoll



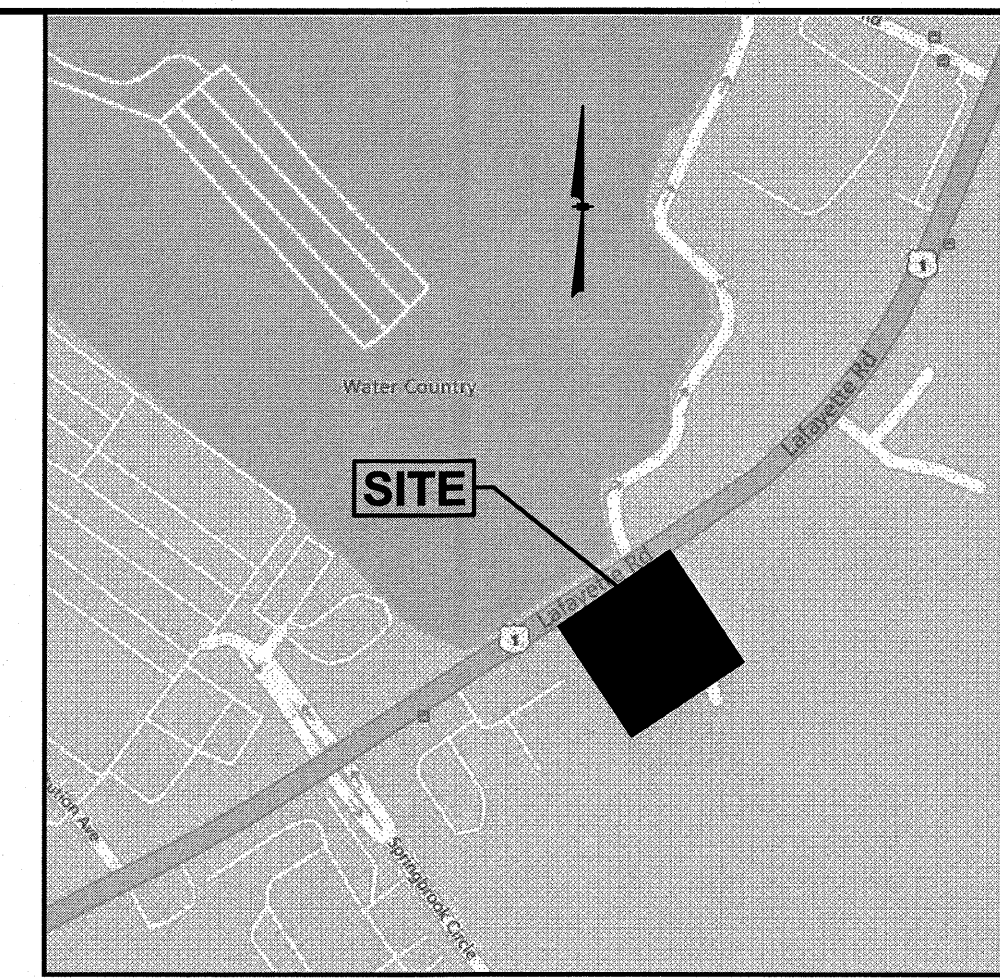
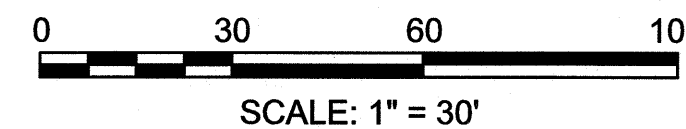
LEGEND

—VGC	VERTICAL GRANITE CURB
—SSLW	SINGLE SOLID LINE WHITE
—G	GAS LINE
—U/GAT	UNDERGROUND COMM
—W	WATER LINE
—E	UNDERGROUND ELECTRIC
—CFL	CHAIN LINK FENCE
—90	CONTOUR ELEVATION
○	TREE
○	UTILITY POLE
—	GUY WIRE
—	OVERHEAD WIRE
—	TREELINE
—	SIGN
—	SPOT ELEVATION
□	CATCH BASIN
○	CLEANOUT
○	SEWER MANHOLE
○	TELEPHONE MANHOLE
○	WATER SHUT OFF
○	BOLLARD
○	GAS METER
○	LIGHT POLE
—	WETLAND LINE
—	EASEMENT LINE
—	PROPERTY LINE
—	ABUTTER PROPERTY LINE
—	ZONE LINE
TBR	TO BE REMOVED
- * * * * *	TO BE REMOVED

MAP 272 LOT 2
N/F 2225 LAFAYETTE LLC
125 AVIATION AVENUE #202
PORTSMOUTH, NH 03801
BOOK 6250 PAGE 2553



LAFAYETTE ROAD (ROUTE 1)
(PUBLIC - 66± WIDE R.O.W.)



LOCATION MAP
(NOT TO SCALE)

NOTES:

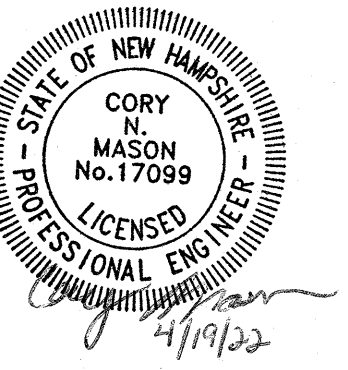
- 1) A DEMOLITION PERMIT MUST BE OBTAINED FROM THE CITY OF PORTSMOUTH PRIOR TO COMMENCEMENT OF WORK. ALL EXISTING UTILITY DISCONNECTIONS MUST BE COORDINATED WITH RESPECTIVE UTILITY COMPANIES.
- 2) ALL DEMOLITION ACTIVITIES ARE TO BE PERFORMED IN STRICT ADHERENCE TO ALL FEDERAL, STATE AND LOCAL REGULATIONS. CONTRACTOR TO INSTALL EROSION CONTROL DEVICES IN ACCORDANCE WITH EROSION AND SEDIMENT CONTROL PLAN PRIOR TO BEGINNING DEMOLITION ACTIVITIES.
- 3) PROCEED WITH DEMOLITION IN A SYSTEMATIC MANNER, FROM THE TOP OF THE STRUCTURE(S) TO THE GROUND.
- 4) DEMOLISH CONCRETE IN ALL SECTIONS
- 5) BREAK UP CONCRETE SLABS-ON-GRADE, UNLESS OTHERWISE DIRECTED BY THE CONSTRUCTION MANAGER.
- 6) CONDUCT ALL DEMOLITION OPERATIONS IN A MANNER THAT WILL PREVENT INJURY, DAMAGE TO STRUCTURES, ADJACENT BUILDINGS AND ALL PERSONS.
- 7) REFRAIN FROM USING EXPLOSIVES WITHOUT PRIOR WRITTEN CONSENT OF THE DEVELOPER AND APPLICABLE GOVERNMENTAL AUTHORITIES.
- 8) CONDUCT DEMOLITION SERVICES IN SUCH A MANNER TO INSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS OR OTHER OCCUPIED FACILITIES WITHOUT PRIOR WRITTEN PERMISSION OF THE DEVELOPER AND APPLICABLE GOVERNMENTAL AUTHORITIES. PROVIDE ALTERNATIVE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED BY APPLICABLE GOVERNMENTAL REGULATIONS.
- 9) USE WATERING, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS, AS NECESSARY TO LIMIT THE AMOUNT OF DUST AND DIRT RISING AND SCATTERING IN THE AIR. CLEAN ADJACENT STRUCTURE AND IMPROVEMENTS OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. RETURN ALL ADJACENT AREAS TO THE CONDITIONS EXISTING PRIOR TO THE START OF WORK.
- 10) ACCOMPLISH AND PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE UNAUTHORIZED ENTRY OF PERSONS AT ANY TIME.
- 11) COMPLETELY FILL BELOW GRADE AREAS AND VOIDS RESULTING FROM THE DEMOLITION OF STRUCTURES AND FOUNDATIONS WITH SOIL MATERIALS CONSISTING OF STONE, GRAVEL AND SAND, FREE FROM DEBRIS, TRASH, FROZEN MATERIALS, ROOTS AND OTHER ORGANIC MATTER. STONES USED WILL NOT BE LARGER THAN 6 INCHES IN DIMENSION. MATERIAL FROM DEMOLITION MAY NOT BE USED AS FILL. PRIOR TO PLACEMENT OF FILL MATERIALS, UNDERTAKE ALL NECESSARY ACTION IN ORDER TO INSURE THAT AREAS TO BE FILLED ARE FREE OF STANDING WATER, FROZEN MATERIAL, TRASH, DEBRIS. PLACE FILL MATERIALS LAYERS NOT EXCEEDING 6 INCHES IN LOOSE DEPTH AND COMPACT EACH LAYER AT PLACEMENT TO 95% OPTIMUM DENSITY. GRADE SURFACE TO MEET ADJACENT CONTOURS AND TO PROVIDE SURFACE DRAINAGE.
- 12) REMOVE FROM THE DESIGNATED SITE, AT THE EARLIEST POSSIBLE TIME, ALL DEBRIS RUBBISH, SALVAGEABLE ITEMS, HAZARDOUS AND COMBUSTIBLE SERVICES. REMOVED MATERIALS MAY NOT BE STORED, SOLD OR BURNED ON SITE. REMOVAL OF HAZARDOUS AND COMBUSTIBLE MATERIALS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE PROCEDURES AS AUTHORIZED BY THE FIRE DEPARTMENT OR OTHER APPROPRIATE REGULATORY AGENCIES AND DEPARTMENTS.
- 13) DISCONNECT, SHUT OFF AND SEAL ALL UTILITIES SERVING THE STRUCTURE(S) TO BE DEMOLISHED BEFORE THE COMMENCEMENT OF THE DESIGNATED DEMOLITION. MARK FOR POSITION ALL UTILITY DRAINAGE AND SANITARY LINES AND PROTECT ALL ACTIVE LINES. CLEARLY IDENTIFY BEFORE THE COMMENCEMENT OF DEMOLITION SERVICES THE REQUIRED INTERRUPTION OF ACTIVE SYSTEMS THAT MAY AFFECT OTHER PARTIES, AND NOTIFY ALL APPLICABLE UTILITY COMPANIES TO INSURE THE CONTINUATION OF SERVICE.
- 14) PROTECT EXISTING DRAINAGE SYSTEM(S) AS NECESSARY TO PREVENT SEDIMENT FROM ENTERING DURING CONSTRUCTION. SEE DETAIL SHEETS FOR EROSION CONTROL DEVICES.
- 15) ALL WORK WITHIN ROADWAY RIGHT-OF-WAYS TO CONFORM TO CITY STANDARDS.
- 16) THE LIMITS OF WORK SHALL BE CLEARLY MARKED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION OR SITE CLEARING.
- 17) IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY DIG SAFE (DIAL 811) 72 HOURS PRIOR TO ANY EXCAVATION ON THIS SITE. CONTRACTOR SHALL ALSO NOTIFY LOCAL WATER DEPARTMENT TO MARK OUT THEIR UTILITIES.
- 18) NOTES ON THIS PLAN THAT READ "TBR" REPRESENT FEATURES TO BE REMOVED. ANY FEATURES NOT LABELED "TBR" OR "TO BE REMOVED" SHALL BE CONSIDERED EXISTING TO REMAIN.
- 19) EXISTING WATER SERVICE LOCATION IS UNKNOWN. CONTRACTOR TO LOCATE AND DISCONTINUE SERVICE AT THE MAIN.

SEE EROSION & SEDIMENT CONTROL PLAN FOR CONSTRUCTION SEQUENCE, TEMPORARY EROSION CONTROL MEASURES, AND LOCATION OF EROSION CONTROL DEVICES. SEE LANDSCAPE PLAN FOR LIMITS OF CLEARING.

GPI Engineering
Design
Planning
Construction Management
603.893.0720 GPINET.COM
Greenman-Pedersen, Inc.
44 Stiles Road, Suite One
Salem, NH 03079

PREPARED FOR
GRANITE STATE
CONVENIENCE, LLC
25 SPRINGER ROAD
HOOKSETT, NH

PROPOSED RETAIL MOTOR
FUEL OUTLET
2255 LAFAYETTE ROAD
PORTSMOUTH, NH 03801

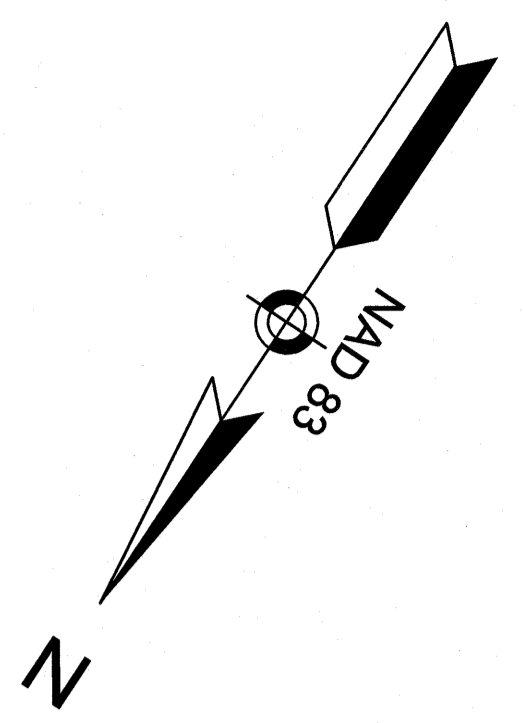


REVISIONS		
NO.	REVISION	DATE
2	MISC. REVISIONS	4/19/22
1	REV. PER CITY COMMENTS	3/22/22
JANUARY 26, 2022		
DRAWN/DESIGN BY CCC/NID		CHECKED BY DRJ

DEMOLITION PLAN

SCALE: 1"=30'
PROJECT NO.
NEX-2021163
3 OF 15

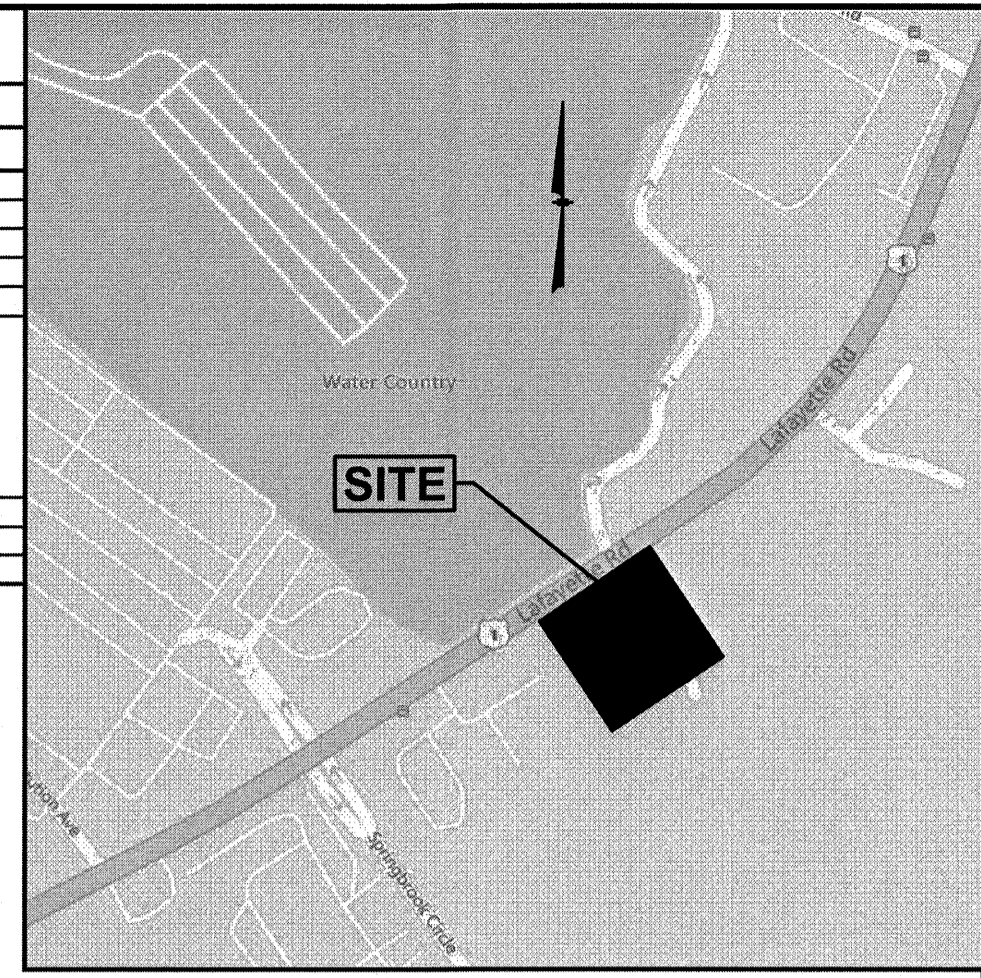
F:\Projects\NEX-2021163 - Portsmouth, NH - GSC\CAD Files\21163_SP.dwg SP 5/24/22 3:24pm cccol



SIGN KEY		
SIGN I.D. NUMBER	TEXT/COLOR	SIZE/REMARKS
R1-1	R/W	30" x 30" NEW SIGN WITH POST
R5-1	R/W	30" x 30" NEW SIGN WITH POST
R7-8	G/B/W	12" x 18" NEW SIGN WITH POST
R7-8A	G/W	6" x 12"

SITE COMPARISON TABLE		
DESCRIPTION	EXISTING	PROPOSED
SURFACE PARKING & DRIVEWAY	59,940 SF	57,064 SF
OTHER IMPERVIOUS SURFACES	5,338 SF	5,750 SF
NUMBER OF PARKING SPACES	73	35
IMPERVIOUS AREA WITHIN WETLAND BUFFER	29,452 SF	20,328 SF

TABLE OF ZONING REGULATIONS - PORTSMOUTH, NH		
ZONE: GATEWAY CORRIDOR (G1)		
DESCRIPTION	REQUIRED	PROVIDED
MINIMUM LOT AREA	1 ACRE	2.57 ACRES
MINIMUM FRONT YARD BUILDING SETBACK	70' TO 90' FROM CENTER OF LAFAYETTE RD	120' (CANOPY), 204' (C-STORE) *
MINIMUM SIDE YARD BUILDING SETBACK	10'	63' (CANOPY), 89' (C-STORE)
MINIMUM REAR YARD BUILDING SETBACK	15'	173' (C-STORE)
PARKING DIMENSIONS	8.5'x19', 24' DRIVE AISLE	9'x19', 24' DRIVE AISLE
MINIMUM NUMBER PARKING SPACES	RETAIL = 4,555 SF x 1 SPACE/300 SF GFA = 15.18 SPACES RESTAURANT = 1,000 SF x 1 SPACE/100 SF = 10 SPACES RETAIL FUEL = 2 SPACES + 0 SF x 1 SPACE/400 SF GFA = 2 SPACES TOTAL SPACES REQUIRED = 28 SPACES	36 SPACES (14 PARKING SPACES + 12 PARKING SPACES/CHARGING STATION SPACES + 10 PARKING SPACES AT THE PUMPS) *
MAXIMUM COVERAGE	70%	555,660 SF/111,998 SF = 49.7%
MINIMUM OPEN SPACE	10%	56,338 SF/111,998 SF = 50.3%
MAXIMUM BUILDING HEIGHT	40 FT OR 3 STORIES	<40 FT, 1 STORY * SEE NOTE 17



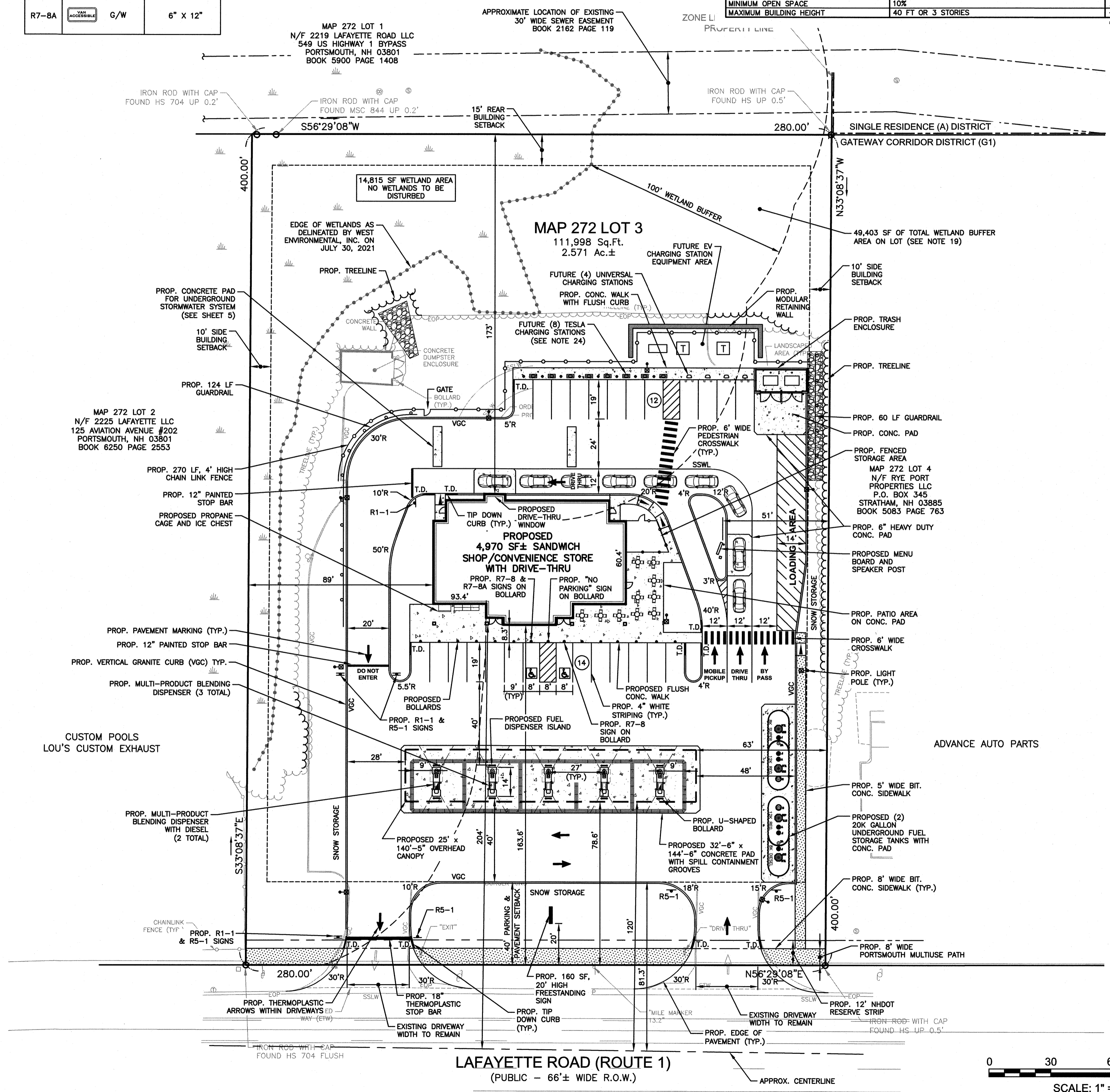
LOCATION MAP (NOT TO SCALE)

NOTES:

- TAX MAP 272 LOT 3
- ZONING DISTRICT: GATEWAY CORRIDOR (G1)
- LOT AREA = 111,998 Sq.Ft. = 2.571 Ac.±
- EXISTING USE: FAST FOOD RESTAURANT WITH DRIVE-THRU
PROPOSED USE: RETAIL MOTOR FUEL OUTLET WITH 5,555 SF CONVENIENCE STORE/SANDWICH SHOP WITH 6 SEATS INTERIOR & UP TO 40 EXTERIOR SEATS AND DRIVE-THRU AND 5 FUEL DISPENSER ISLANDS WITH OVERHEAD CANOPY.
- ALL BUILDINGS AND SITE CONSTRUCTION SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AS REVISED IN 2010.
- THE LOCATIONS OF EXISTING SUBSURFACE UTILITIES SHOWN ON THIS PLAN WERE COMPILED FROM AVAILABLE RECORD DRAWINGS AND ARE NOT WARRANTED TO BE CORRECT. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING SUBSURFACE UTILITIES PRIOR TO PERFORMING ANY WORK.
- WRITTEN DIMENSIONS ON THIS PLAN TAKE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS. IN THE EVENT OF A CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWINGS AND/OR SPECIFICATIONS, THE ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL CALL AND COORDINATE WITH DIGSAFE 811 PRIOR TO ANY EXCAVATION.
- ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS OF THE CITY OF PORTSMOUTH AND THE STATE OF NEW HAMPSHIRE.
- THE SITE IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA (100 YEAR FLOOD) PER FLOOD INSURANCE RATE MAP NUMBER 33015C0270F, WITH AN EFFECTIVE DATE OF JANUARY 29, 2021.
- ALL CONSTRUCTION SHALL CONFORM TO THESE PLANS AND THE STANDARD CONSTRUCTION DRAWINGS AS SUPPLIED BY THE DEVELOPER.
- A SIGN PERMIT SHALL BE OBTAINED PRIOR TO INSTALLATION.
- PROPOSED SNOW STORAGE AREAS AS SHOWN. ANY EXCESS SNOW TO BE TRUCKED OFF-SITE.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PREPARED BY GREENMAN-PEDERSEN, INC., DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF THE SURVEYOR AND/OR ENGINEER AS INCLUDED IN THE PLAN SET DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PREPARE AND/OR OBTAIN THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND/OR LOCAL REGULATIONS.
- ALL UNDERGROUND STORAGE TANKS, PRODUCT PIPING AND VENT LINES SHALL COMPLY WITH CURRENT STATE AND E.P.A. REGULATIONS.
- SELF-SERVICE APPROVAL IS REQUIRED FROM THE OFFICE OF THE STATE FIRE MARSHAL. SEE APPROVED FIRE SUPPRESSION PLAN FOR LAYOUT OF SPILL CONTAINMENT GROOVES (POSITIVE LIMING BARRIER).
- RELIEF WAS GRANTED BY THE ZONING BOARD OF ADJUSTMENT ON FEBRUARY 15, 2022 TO ALLOW THE FOLLOWING:
- PARKING SPACES BETWEEN PRINCIPAL BUILDING AND ROAD (ZONING 10.1113.20)
- GREATER THAN 90' BUILDING SETBACK FROM LAFAYETTE ROAD (ZONING 10.5.B.22.40)
- LESS THAN 75% FRONT LOT LINE BUILDOUT (SECTION 10.5.B.33.20)
- MORE THAN ONE DRIVEWAY PER LOT (SECTION 10.1114.31)
- TO ALLOW A 160 SF FREESTANDING SIGN (SECTION 10.1251.20)
- RELIEF IS REQUESTED FROM THE PLANNING BOARD TO ALLOW THE FOLLOWING:
- GREATER THAN ONE DRIVEWAY PER LOT. (SITE PLAN 3.3.2). EXISTING SITE HAS TWO DRIVEWAYS
- A CONDITIONAL USE PERMIT IS REQUIRED FROM THE PLANNING BOARD TO ALLOW THE FOLLOWING:
- A WETLAND BUFFER DISTURBANCE OF 33,555 SF PER SECTION 10.241.23. THIS TOTAL INCLUDES DISTURBANCE REQUIRED TO REMOVE EXISTING DISTURBANCES AND RETURN THEM TO A MORE NATURAL STATE.
- A DRIVE-THRU FACILITY PER SECTION 10.440
- APPROPRIATE EROSION CONTROL MEASURES (HAY BALES, SILT FENCE) SHALL BE INSTALLED PRIOR TO INITIATION OF ANY SITE WORK & SHALL BE MAINTAINED BY THE DEVELOPER UNTIL ADEQUATE VEGETATIVE COVER IS ESTABLISHED ON ALL GRADED AREAS. SEE EROSION & SEDIMENT CONTROL PLAN.
- ELECTRIC CONDUIT TO BE INSTALLED FOR FUTURE CHARGING STATIONS.
- ALL CONDITIONS ON THIS PLAN SHALL REMAIN IN EFFECT IN PERPETUITY PURSUANT TO THE REQUIREMENTS OF THE SITE PLAN REVIEW REGULATIONS.
- PERMITS REQUIRED:
- NHDOT DRIVEWAY PERMIT
- USEPA NPDES CONSTRUCTION GENERAL PERMIT
- PARKING AT CHARGING STATIONS SHALL NOT BE RESTRICTED TO ONLY ELECTRIC VEHICLES.

LEGEND

- VGC VERTICAL GRANITE CURB
- SSLW SINGLE SOLID LINE WHITE
- G GAS LINE
- URAW UNDERGROUND COMM
- W WATER LINE
- E UNDERGROUND ELECTRIC
- CLF CHAIN LINK FENCE
- CE CONTOUR ELEVATION
- TREE
- UP UTILITY POLE
- GW GUY WIRE
- OW OVERHEAD WIRE
- TR TREELINE
- SP SPOT ELEVATION
- CB CATCH BASIN
- CL CLEANOUT
- SM SEWER MANHOLE
- TM TELEPHONE MANHOLE
- WS WATER SHUT OFF
- B BOLLARD
- GM GAS METER
- LP LIGHT POLE
- WL WETLAND LINE
- EL EASEMENT LINE
- PL PROPERTY LINE
- APL ABUTTER PROPERTY LINE
- ZL ZONE LINE
- 1 NUMBER OF PARKING SPACES



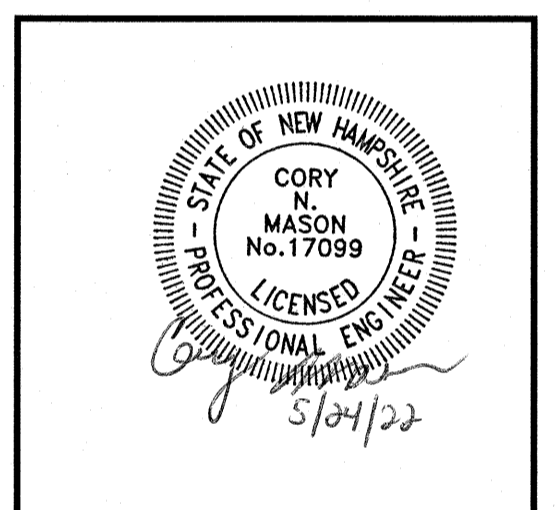
OWNER OF RECORD:

MAP 272 LOT 3
 MASTORAN RESTAURANTS, INC.
 822 LEXINGTON STREET
 WALTHAM, MA 02154
 BOOK 3572 PAGE 199

GPI Engineering
 Planning
 Construction Management
 603-893-0720
 Greenman-Pedersen, Inc.
 44 Stiles Road, Suite One
 Salem, NH 03079
 GPINET.COM

PREPARED FOR
 GRANITE STATE
 CONVENIENCE, LLC
 25 SPRINGER ROAD
 HOOKSETT, NH

**PROPOSED RETAIL MOTOR
 FUEL OUTLET**
**2255 LAFAYETTE ROAD
 PORTSMOUTH, NH 03801**



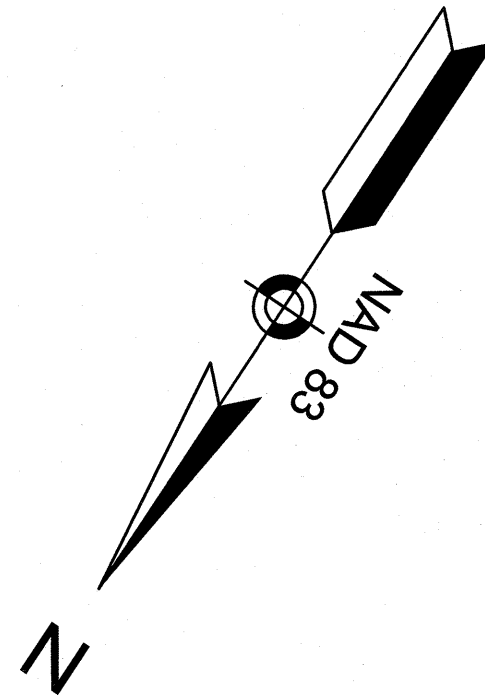
REVISIONS		
NO.	REVISION	DATE
4	REV. PER TAC	5/10/22
3	MISC. REVISIONS	4/19/22
2	REV. PER CITY COMMENTS	3/22/22
1	REV. FOR SITE PLAN APPROVAL	2/9/22
JANUARY 26, 2022		
DRAWN/DESIGN BY	CHECKED BY	
CCC/NID	DRJ	

SITE PLAN

SCALE: 1"=30'

PROJECT NO. NEX-2021163

4 OF 15



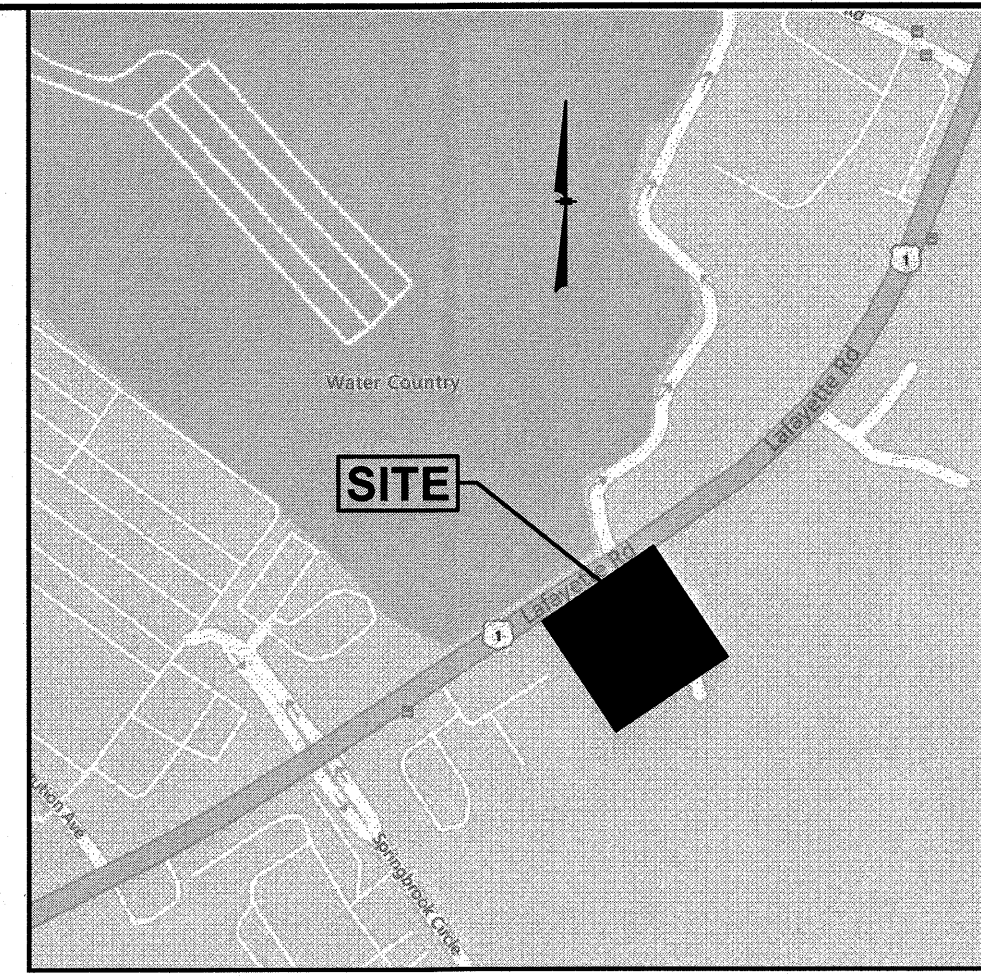
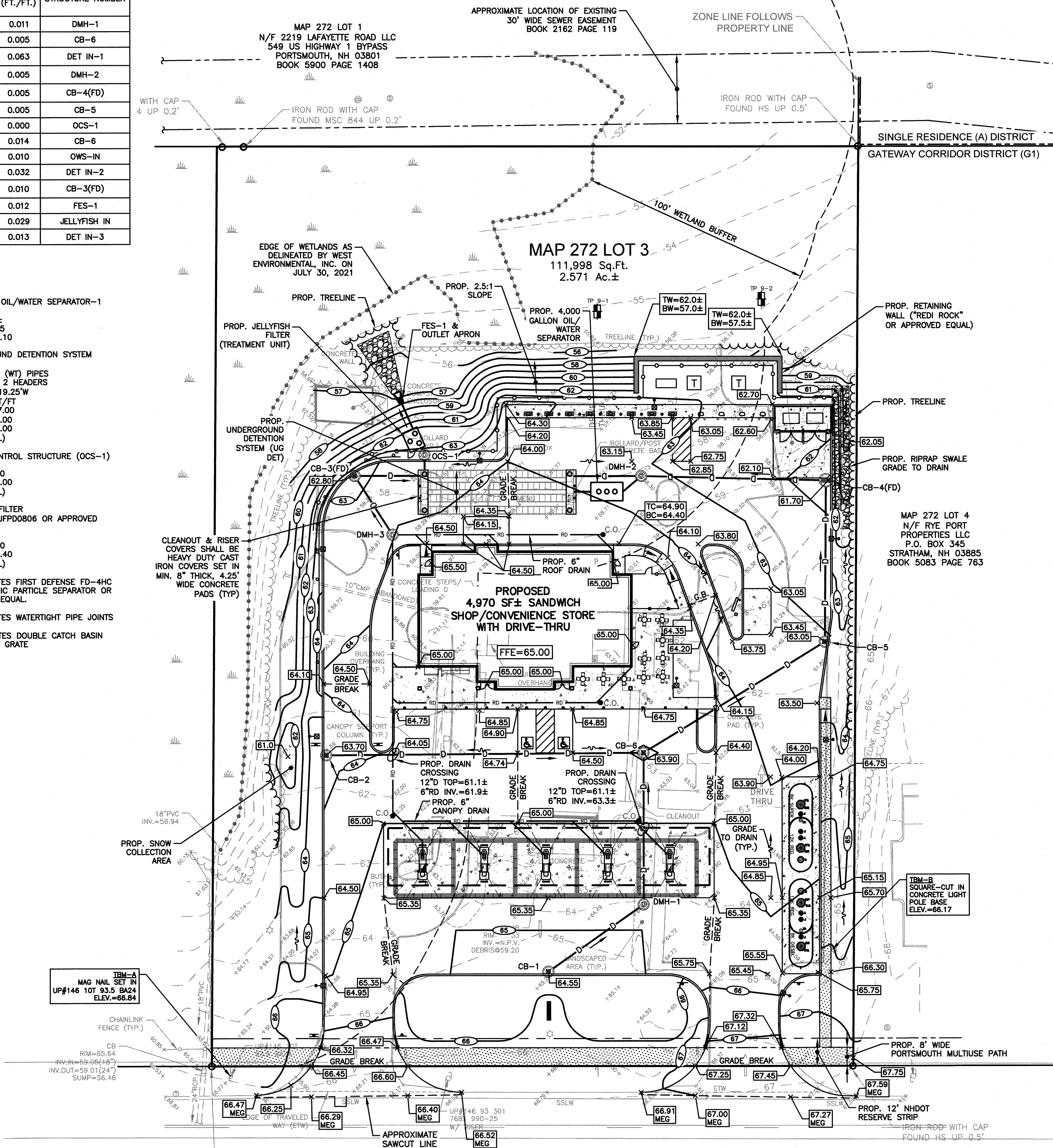
DRAINAGE PIPE SCHEDULE					
FROM: STRUCTURE NUMBER	PIPE SIZE (INCHES)	TYPE OF PIPE	APPROX. PIPE LENGTH (FEET)	SLOPE OF PIPE (FT./FT.)	TO: STRUCTURE NUMBER
CB-1	12	HDPE	51	0.011	DMH-1
CB-2	12	HDPE	139	0.005	CB-6
CB-3(FD)	12	HDPE	29	0.063	DET IN-1
CB-4(FD)	18	HDPE	81	0.005	DMH-2
CB-5	18	HDPE	70	0.005	CB-4(FD)
CB-6	15	HDPE	93	0.005	CB-5
DET OUT	24	HDPE	7	0.000	OCS-1
DMH-1	12	HDPE	66	0.014	CB-6
DMH-2	6	HDPE	10	0.010	OWS-IN
DMH-2	18	HDPE	29	0.032	DET IN-2
DMH-3	12	HDPE	30	0.010	CB-3(FD)
JELLYFISH OUT	18	HDPE	12	0.012	FES-1
OCS-1	18	HDPE	3	0.029	JELLYFISH IN
OWS-OUT	6	HDPE	7	0.013	DET IN-3

DRAINAGE STRUCTURES

- CB-1 RIM=64.55 INV.OUT=61.05
- CB-2 RIM=63.70 INV.OUT=60.10
- CB-3(FD) RIM=62.80 INV.IN=58.90(DMH-3) INV.OUT=58.80
- CB-4(FD) RIM=61.70 INV.IN=58.05(CB-5) INV.OUT=57.95
- CB-5 RIM=63.05 INV.IN=58.65(CB-6) INV.OUT=58.40
- CB-6 RIM=63.90 INV.IN=59.40(CB-2) INV.IN=59.50(DMH-1) INV.OUT=59.15
- DMH-1 RIM=65.30 INV.IN=60.50(CB-1) INV.OUT=60.40
- DMH-2 RIM=63.30 INV.IN=57.55(CB-4(FD)) INV.OUT=57.95(18" BYPASS) INV.OUT=57.45(6" LOW FLOW)
- DMH-3 RIM=64.00 INV.IN=59.25(RD) INV.OUT=59.20
- FES-1 INV.=56.25
- 4,000 GAL OIL/WATER SEPARATOR-1 (OWS-1) RIM=63.75± INV.IN=57.35 INV.OUT=57.10
- UNDERGROUND DETENTION SYSTEM (UG DET) 36" SOLID (WT) PIPES 4 ROWS + 2 HEADERS 67.00L x 19.25W S=0.000 FT/FT INV.PIPE=57.00 INV.S.IN=57.00 INV.OUT=57.00 (SEE DETAIL)
- OUTLET CONTROL STRUCTURE (OCS-1) RIM=63.70 INV.IN=57.00 INV.OUT=57.00 (SEE DETAIL)
- JELLYFISH FILTER (CONTECH JFPD0806 OR APPROVED EQUAL) RIM=62.00 INV.IN=56.90 INV.OUT=56.40 (SEE DETAIL)
- (FD) DENOTES FIRST DEFENSE FD-4HC HYDRODYNAMIC PARTICLE SEPARATOR OR APPROVED EQUAL.
- (WT) DENOTES WATERTIGHT PIPE JOINTS
- (DG) DENOTES DOUBLE CATCH BASIN FRAME AND GRATE

LEGEND

- VGC VERTICAL GRANITE CURB
- SSLW SINGLE SOLID LINE WHITE
- G GAS LINE
- UNDERGROUND COMM
- W WATER LINE
- E UNDERGROUND ELECTRIC
- CHAIN LINK FENCE
- 90 CONTOUR ELEVATION
- TREE
- UTILITY POLE
- GUY WIRE
- OVERHEAD WIRE
- TREELINE
- SIGN
- SPOT ELEVATION
- CATCH BASIN
- CLEANOUT
- SEWER MANHOLE
- TELEPHONE MANHOLE
- WATER SHUT OFF
- BOLLARD
- GAS METER
- LIGHT POLE
- WETLAND LINE
- EASEMENT LINE
- PROPERTY LINE
- ABUTTER PROPERTY LINE
- ZONE LINE
- C.O. PROP. CLEANOUT
- CB-1 PROP. CATCH BASIN
- DMH-1 PROP. DRAIN MANHOLE
- MEG MEET EXISTING GRADE
- 331.25 PROP. SPOT ELEVATION
- PROP. CONTOUR ELEVATION
- TW= TOP OF WALL ELEV.
- BW= BOTTOM OF WALL ELEV.
- G.B. GRADE BREAK
- TEST PIT



LOCATION MAP
(NOT TO SCALE)

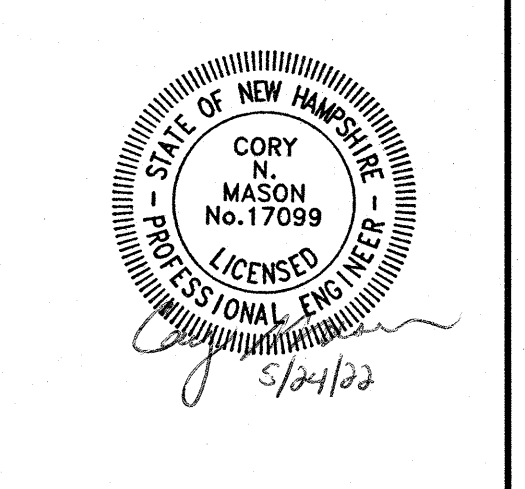
NOTES:

- ALL SITE DRAINAGE PIPE SHALL BE CORRUGATED HIGH-DENSITY POLYETHYLENE PIPE WITH STANDARD JOINTS, DUAL-WALL, SMOOTH INTERIOR, AS MANUFACTURED BY ADS, INC. OR APPROVED EQUAL, UNLESS OTHERWISE NOTED ON PLAN. THE UNDERGROUND DETENTION SYSTEM SHALL HAVE WATER TIGHT JOINTS MEETING ASTM D3212 SPECIFICATIONS.
- ALL ROOF AND CANOPY DRAIN PIPE SHALL BE 6" PVC (SDR-35).
- ELEVATIONS ARE BASED ON NAVD88 DATUM.
- ALL PROPOSED ELEVATIONS AS SHOWN ARE BOTTOM OF CURB ELEVATIONS, UNLESS OTHERWISE NOTED.
- ANY UTILITY FIELD ADJUSTMENTS SHALL BE APPROVED BY THE ENGINEER OF RECORD AND COORDINATED WITH THE APPROPRIATE LOCAL UTILITY COMPANY.
- THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE ONLY. THE CONTRACTOR IS TO VERIFY EXACT LOCATION PRIOR TO CONSTRUCTION. THE CONTRACTOR IS TO NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES. CONSTRUCTION SHALL COMMENCE BEGINNING AT THE LOWEST INVERT (POINT OF CONNECTION) AND PROGRESS UP GRADIENT. PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND INSTALLATIONS SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL CONSTRUCTION SHALL CONFORM TO MUNICIPAL DPW AND ALL APPLICABLE STATE AND FEDERAL STANDARDS.
- THE CONTRACTOR SHALL CALL AND COORDINATE WITH DIG-SAFE (DIAL 811) PRIOR TO COMMENCING ANY EXCAVATION.
- THIS SITE WILL REQUIRE A USEPA NPDES PERMIT FOR STORMWATER DISCHARGE FOR THE SITE CONSTRUCTION SINCE THE DISTURBANCE EXCEEDS ONE ACRE (ACTUAL DISTURBANCE = 75,000 SF±). THE CONSTRUCTION SITE OPERATOR SHALL DEVELOP AND IMPLEMENT A CONSTRUCTION STORM WATER POLLUTION PREVENTION PLAN (SWPPP), WHICH SHALL REMAIN ON SITE AND MADE ACCESSIBLE TO THE PUBLIC. A COMPLETED NOTICE OF TERMINATION (NOT) SHALL BE SUBMITTED TO NPDES PERMITTING AUTHORITY WITHIN 30 DAYS AFTER EITHER OF THE FOLLOWING CONDITIONS HAVE BEEN MET: FINAL STABILIZATION HAS BEEN ACHIEVED ON ALL PORTIONS OF THE SITE FOR WHICH THE PERMITTEE IS RESPONSIBLE; OR ANOTHER OPERATOR/PERMITTEE HAS ASSUMED CONTROL OVER ALL AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
- ANY UTILITIES TO BE TAKEN OUT OF SERVICE SHALL BE DISCONNECTED AS DIRECTED BY UTILITY COMPANY AND LOCAL DPW.
- ALL TRAFFIC CONTROL AND TEMPORARY CONSTRUCTION SIGNAGE ARRANGEMENTS, ACCEPTABLE TO NHDOT AND THE CITY DEPARTMENT OF PUBLIC WORKS, SHALL BE EMPLOYED DURING OPERATIONS WITHIN THE PUBLIC RIGHT-OF-WAY.
- ALL ADA ACCESSIBLE WALKWAYS CANNOT EXCEED 5% RUNNING SLOPE AND 2% CROSS SLOPE. RAMP CANNOT EXCEED 8.33% RUNNING SLOPE AND 2% CROSS SLOPE, AND ACCESSIBLE PARKING STALLS AND ACCESS AISLES CANNOT EXCEED 2% SLOPE IN ANY DIRECTION. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES.
- SEE UTILITY PLAN FOR DETAILED UTILITY LAYOUT.
- ALL PROPOSED CATCH BASINS SHALL HAVE 4' SUMPS AND OUTLETS EQUIPPED WITH "ELIMINATOR" OIL HOODS OR APPROVED EQUAL.
- ALL PIPE DATA IS CALCULATED TO CENTER OF STRUCTURE, TYP.
- CONTRACTOR TO REFER TO THE INSPECTION & MAINTENANCE (I&M) MANUAL FOR STORMWATER MANAGEMENT SYSTEMS & SITE MAINTENANCE DURING AND AFTER CONSTRUCTION.
- CONTRACTOR TO INSTALL RISER STRUCTURES AT EACH CORNER OF UNDERGROUND DETENTION SYSTEMS AND CLEANOUTS AT EACH END OF EACH ROW TO PROVIDE ACCESS POINTS FOR CLEANING AND MAINTENANCE.
 - TOTAL RISERS PROPOSED = 4
 - TOTAL CLEANOUTS PROPOSED = 4

GPI Engineering
Design
Planning
Construction Management
603.893.0720 GPINET.COM
Greenman-Pedersen, Inc.
44 Stiles Road, Suite One
Salem, NH 03079

PREPARED FOR
**GRANITE STATE
CONVENIENCE, LLC**
25 SPRINGER ROAD
HOOKSETT, NH

**PROPOSED RETAIL MOTOR
FUEL OUTLET**
2255 LAFAYETTE ROAD
PORTSMOUTH, NH 03801



REVISIONS		
NO.	REVISION	DATE
3	REV. PER TAC	5/10/22
2	MISC. REVISIONS	4/19/22
1	REV. PER CITY COMMENTS	3/22/22

JANUARY 26, 2022
DRAWN/DESIGN BY: CCC/NID
CHECKED BY: DRJ

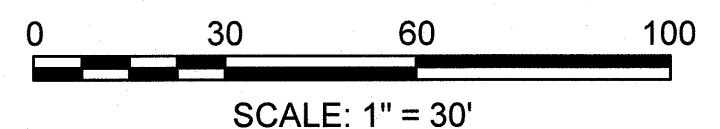
**GRADING &
DRAINAGE
PLAN**

SCALE: 1"=30'

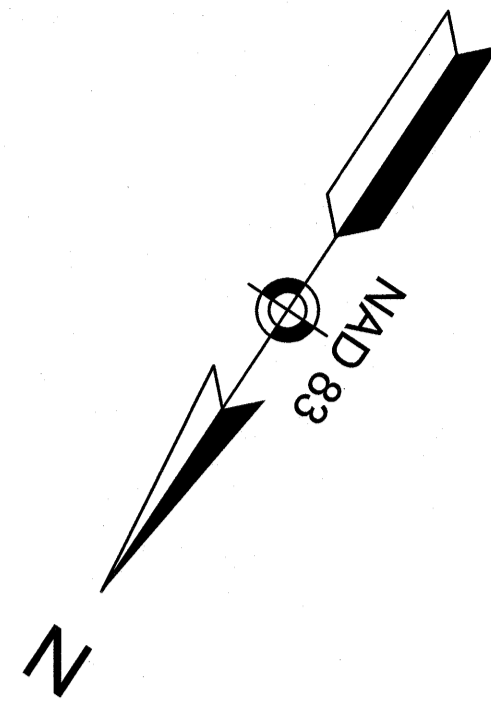
PROJECT NO.
NEX-2021163

5 OF 15

F:\Projects\NEX-2021163 - Portsmouth, NH - GSC\CAD Files\21163_SP.dwg GD 5/24/22 9:07pm cmason

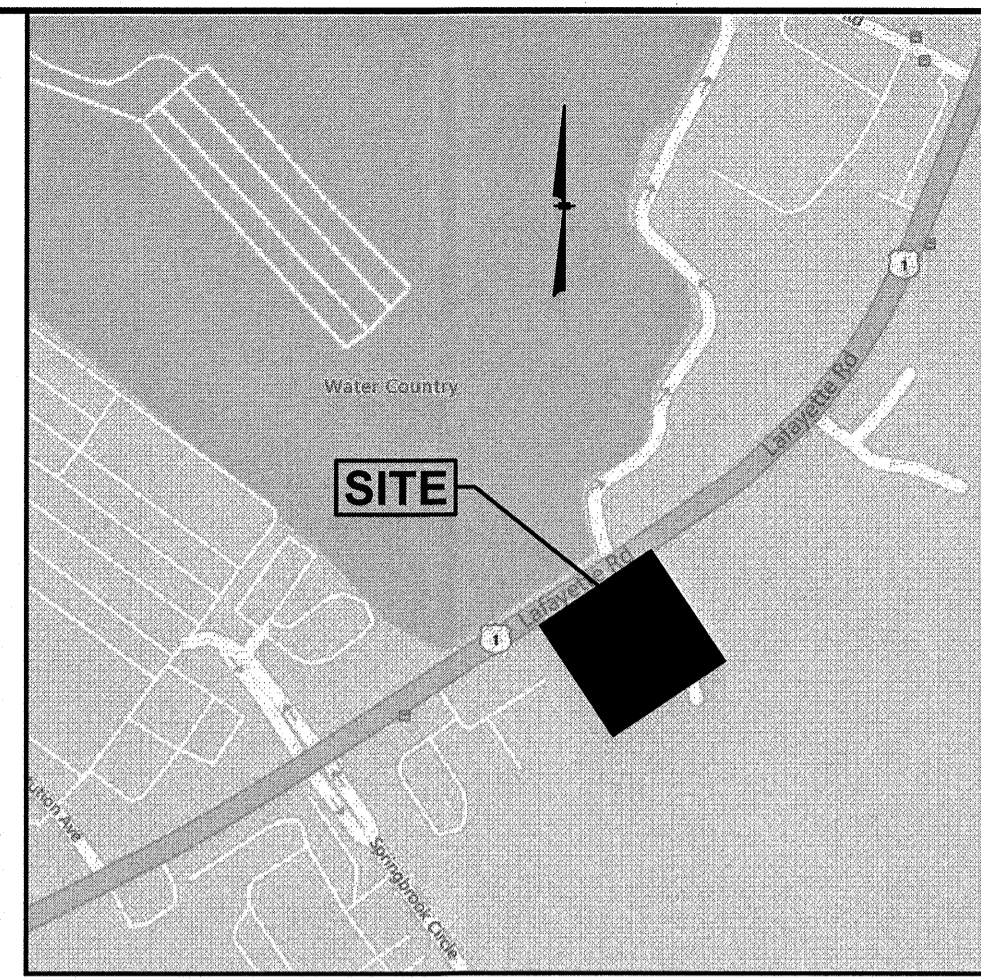
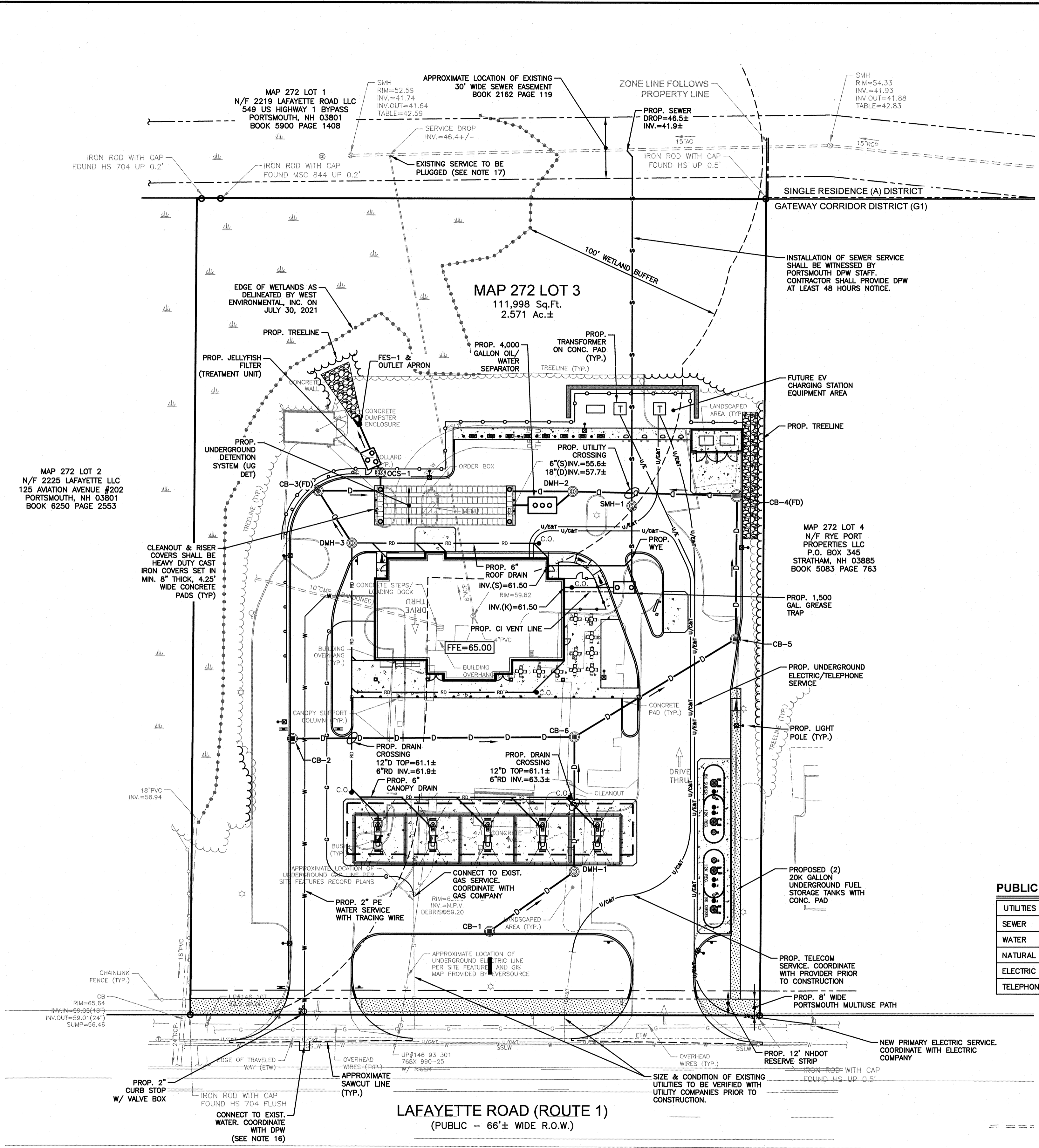


F:\Projects\NEX-2021163 - Portsmouth, NH - GSC\CAD Files\21163_SP.dwg UT 5/24/22 5:11pm cmason



LEGEND

- VGC VERTICAL GRANITE CURB
- SSLW SINGLE SOLID LINE WHITE
- G GAS LINE
- UG/CM UNDERGROUND COMM
- W WATER LINE
- E UNDERGROUND ELECTRIC
- CLF CHAIN LINK FENCE
- CE CONTOUR ELEVATION
- T TREE
- UP UTILITY POLE
- GW GUY WIRE
- OW OVERHEAD WIRE
- TL TREELINE
- S SIGN
- SE SPOT ELEVATION
- CB CATCH BASIN
- C CLEANOUT
- SMH SEWER MANHOLE
- WMO WATER SHUT OFF
- B BOLLARD
- GM GAS METER
- LP LIGHT POLE
- WL WETLAND LINE
- EL EASEMENT LINE
- PL PROPERTY LINE
- APL ABUTTER PROPERTY LINE
- ZL ZONE LINE
- C.O. PROP. CLEANOUT
- CB-1 PROP. CATCH BASIN
- DMH-1 PROP. DRAIN MANHOLE
- SMH-1 PROP. SEWER MANHOLE
- GV PROP. GATE VALVE



LOCATION MAP
(NOT TO SCALE)

NOTES:

- 1) ALL SANITARY SEWER PIPE SHALL BE PVC (SDR-35), UNLESS OTHERWISE NOTED.
- 2) ALL WATER PIPE SHALL BE POLYETHYLENE, UNLESS OTHERWISE NOTED.
- 3) ANY UTILITY FIELD ADJUSTMENTS SHALL BE APPROVED BY THE ENGINEER OF RECORD AND COORDINATED WITH THE APPROPRIATE LOCAL UTILITY COMPANY.
- 4) THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE ONLY. THE CONTRACTOR IS TO VERIFY EXACT LOCATION PRIOR TO CONSTRUCTION. THE CONTRACTOR IS TO NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES.
- 5) ALL CONSTRUCTION SHALL CONFORM TO MUNICIPAL DPW AND ALL APPLICABLE STATE AND FEDERAL STANDARDS.
- 6) THE CONTRACTOR SHALL CALL AND COORDINATE WITH DIG-SAFE (1-888-344-7233) PRIOR TO COMMENCING ANY EXCAVATION.
- 7) ALL WATER AND SEWER CONSTRUCTION SHALL CONFORM TO DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS.
- 8) THIS SITE IS SERVED BY MUNICIPAL SEWER AND WATER.
- 9) ALL ELECTRIC, TELEPHONE AND CABLE TV LINES ARE TO BE UNDERGROUND AND INSTALLED IN CONFORMANCE WITH APPLICABLE UTILITY CO. SPECIFICATIONS.
- 10) ANY UTILITIES TO BE TAKEN OUT OF SERVICE SHALL BE DISCONNECTED AS DIRECTED BY UTILITY COMPANY AND LOCAL DPW.
- 11) ALL TRAFFIC CONTROL AND TEMPORARY CONSTRUCTION SIGNAGE ARRANGEMENTS, ACCEPTABLE TO NHDOT AND CITY DEPARTMENT OF PUBLIC WORKS, SHALL BE EMPLOYED DURING OPERATIONS WITHIN THE PUBLIC RIGHT-OF-WAY.
- 12) SEE GRADING & DRAINAGE PLAN FOR DETAILED DRAINAGE INFORMATION.
- 13) ELECTRICAL CONDUIT WITHIN 20' OF TANKS OR DISPENSERS MAY NEED TO BE RIGID METAL CONDUIT WITH CONCRETE ENCASEMENT. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY AND/OR TOWN ELECTRICAL INSPECTOR AS REQUIRED.
- 14) REFER TO DETAIL SHEETS FOR ALL UTILITY AND DRAINAGE STRUCTURE DETAILS AND ADDITIONAL INFORMATION.
- 15) ELECTRIC CONDUIT TO BE PROVIDED FOR FUTURE EV CHARGING STATIONS.
- 16) EXISTING WATER SERVICE LOCATION IS UNKNOWN. CONTRACTOR TO LOCATE AND DISCONTINUE SERVICE AT THE MAIN.
- 17) CONTRACTOR TO CONTACT EASTERN PIPE SERVICES TO PLUG THE SERVICE FROM THE MAIN WITHOUT DISTURBING THE WETLAND. AFTER PLUGGED, CONTRACTOR SHALL FILL THE EXISTING SERVICE WITH FLOWABLE FILL.
- 18) CONTRACTOR SHALL CONTACT PORTSMOUTH DPW AT LEAST 48 HOURS PRIOR TO SEWER CONSTRUCTION TO WITNESS SEWER SERVICE INSTALLATION.

PUBLIC UTILITIES

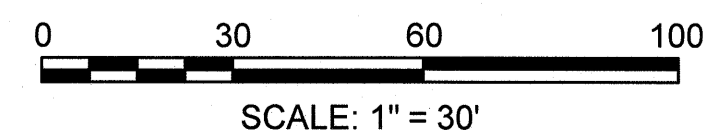
UTILITIES	AVAILABLE
SEWER	CITY OF PORTSMOUTH PUBLIC WORKS DEPT., PETER RICE 603-427-1530 YES
WATER	CITY OF PORTSMOUTH PUBLIC WORKS DEPT., PETER RICE 603-427-1530 YES
NATURAL GAS	UNITIL, DAVE MACLEAN 603-294-5261 YES
ELECTRIC	EVERSOURCE, CASEY MCDONALD 603-519-0924 YES
TELEPHONE	CONSOLIDATED COMMUNICATIONS YES

SEWER PIPE SCHEDULE

FROM: STRUCTURE NUMBER	PIPE SIZE (inches)	TYPE OF PIPE	APPROX. PIPE LENGTH (feet)	SLOPE OF PIPE (ft./ft.)	TO: STRUCTURE NUMBER
BLDG.	6	CI	20	0.056	GR. TRAP
GR. TRAP	6	PVC	35	0.081	SMH-1
BLDG.	6	PVC	41	0.062	WYE
SMH-1	6	PVC	178	0.052	SEWER MAIN

SEWER STRUCTURES

- 1,500 GAL. GREASE TRAP
RIM=64.10
INV.IN=60.10
INV.OUT=59.85
- SMH-1 (DROP)
RIM=63.00
INV.IN=57.00
INV.OUT=55.70
- PROP. WYE
INV.=58.95±



GPI Engineering Design Planning Construction Management
603.883.0720 GPINET.COM
Greenman-Pedersen, Inc.
44 Stiles Road, Suite One
Salem, NH 03079

PREPARED FOR
GRANITE STATE CONVENIENCE, LLC
25 SPRINGER ROAD
HOOKSETT, NH

PROPOSED RETAIL MOTOR FUEL OUTLET
2255 LAFAYETTE ROAD
PORTSMOUTH, NH 03801



REVISIONS

NO.	REVISION	DATE
4	REV. PER TAC	5/10/22
3	REV. PER TAC	5/10/22
2	MISC. REVISIONS	4/19/22
1	REV. PER CITY COMMENTS	3/22/22

JANUARY 26, 2022

DRAWN/DESIGN BY: CCC/NID CHECKED BY: DRJ

UTILITY PLAN

SCALE: 1"=30'

PROJECT NO. NEX-2021163

6 OF 15

LEGEND

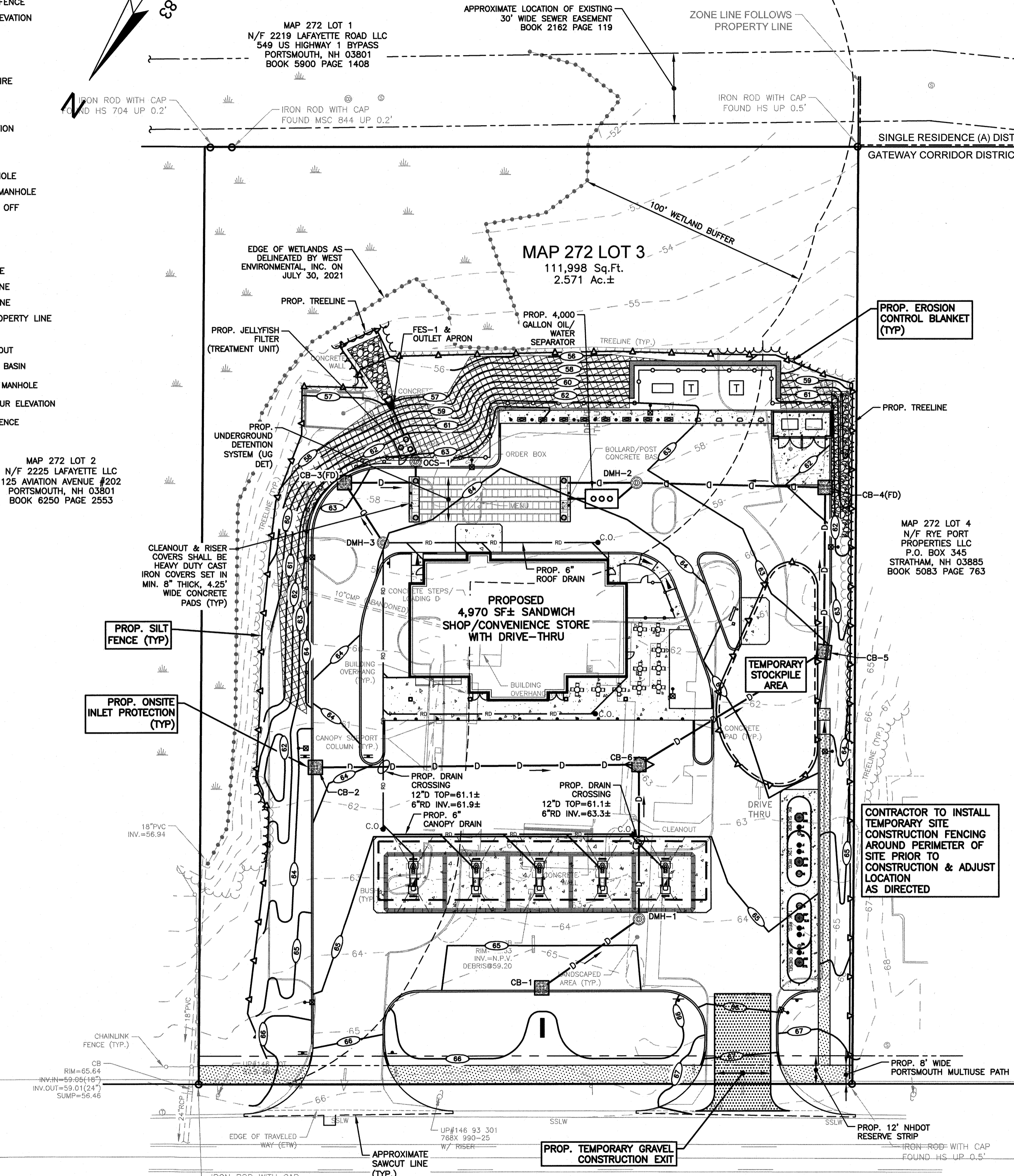
- VSC — VERTICAL GRANITE CURB
- SSLW — SINGLE SOLID LINE WHITE
- G — GAS LINE
- UG-4" — UNDERGROUND COMM
- W — WATER LINE
- E — UNDERGROUND ELECTRIC
- CL — CHAIN LINK FENCE
- 90 — CONTOUR ELEVATION
- T — TREE
- UP — UTILITY POLE
- GW — GUY WIRE
- OW — OVERHEAD WIRE
- TR — TREELINE
- S — SIGN
- SE — SPOT ELEVATION
- CB — CATCH BASIN
- C — CLEANOUT
- SM — SEWER MANHOLE
- TM — TELEPHONE MANHOLE
- WS — WATER SHUT OFF
- B — BOLLARD
- G — GAS METER
- LP — LIGHT POLE
- WL — WETLAND LINE
- EL — EASEMENT LINE
- PL — PROPERTY LINE
- APL — ABUTTER PROPERTY LINE
- ZL — ZONE LINE
- C.O. — PROP. CLEANOUT
- CB-1 — PROP. CATCH BASIN
- DMH-1 — PROP. DRAIN MANHOLE
- CE — PROP. CONTOUR ELEVATION
- SF — PROP. SILT FENCE

MAP 272 LOT 2
N/F 2225 LAFAYETTE LLC
125 AVIATION AVENUE #202
PORTSMOUTH, NH 03801
BOOK 6250 PAGE 2553

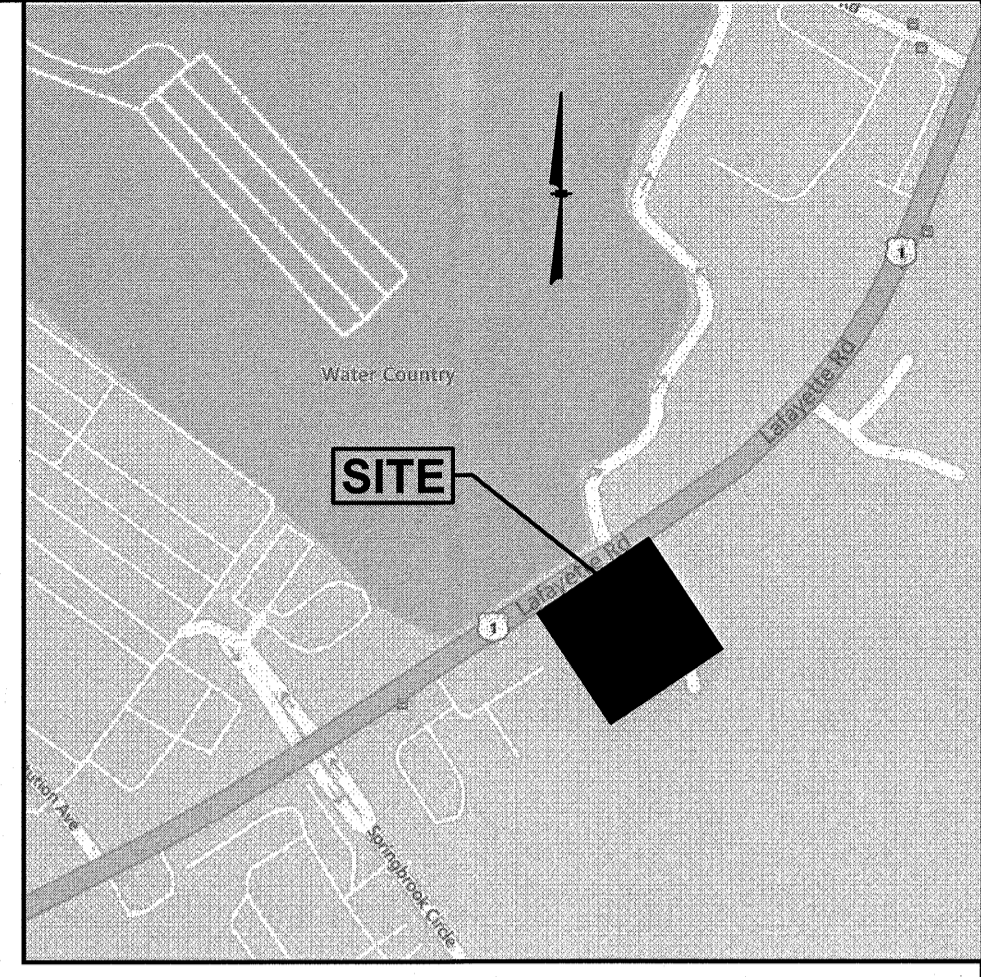
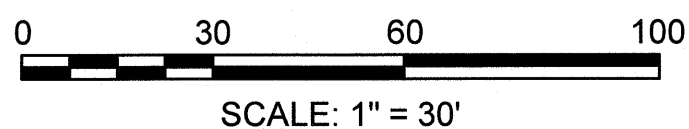
MAP 272 LOT 1
N/F 2219 LAFAYETTE ROAD LLC
549 US HIGHWAY 1 BYPASS
PORTSMOUTH, NH 03801
BOOK 5900 PAGE 1408

MAP 272 LOT 3
111,998 Sq.Ft.
2.571 Ac.±

MAP 272 LOT 4
N/F RYE PORT
PROPERTIES LLC
P.O. BOX 345
STRATHAM, NH 03885
BOOK 5083 PAGE 763



LAFAYETTE ROAD (ROUTE 1)
(PUBLIC - 66±' WIDE R.O.W.)



LOCATION MAP
(NOT TO SCALE)

CONSTRUCTION SEQUENCE:

- 1) SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY ON-SITE CONSTRUCTION AS SHOWN. ADDITIONAL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED AS SOON AS PRACTICAL.
- 2) REMOVE AND STOCKPILE SOIL AS REQUIRED. STOCKPILE SHALL BE SURROUNDED WITH HAYBALES TO PREVENT EROSION.
- 3) CONSTRUCT DRIVEWAYS AND PERFORM SITE GRADING.
- 4) INSTALL UNDERGROUND UTILITIES & DRAINAGE.
- 5) BEGIN TEMPORARY AND PERMANENT SEEDING AND MULCHING. ALL CUT AND FILL SLOPES SHALL BE SEEDED OR MULCHED IMMEDIATELY AFTER THEIR CONSTRUCTION.
- 6) DAILY, OR AS REQUIRED, CONSTRUCT, INSPECT, AND IF NECESSARY, RECONSTRUCT TEMPORARY BERMS, DRAINS, DITCHES, SILT FENCES, HAYBALES AND SEDIMENT TRAPS INCLUDING MULCHING AND SEEDING.
- 7) BEGIN EXCAVATION FOR AND CONSTRUCTION OF BUILDINGS.
- 8) FINISH PAVING ALL DRIVES AND PARKING AREAS. CLEAN ALL DRAINAGE STRUCTURES.
- 9) COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- 10) AFTER GRASS HAS BEEN FULLY GERMINATED IN ALL SEEDED AREAS, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.

WINTER STABILIZATION NOTES:

- MAINTENANCE REQUIREMENTS:**
MAINTENANCE MEASURES SHOULD CONTINUE AS NEEDED THROUGHOUT CONSTRUCTION, INCLUDING THE OVER-WINTER PERIOD. AFTER EACH RAINFALL, SNOWSTORM, OR PERIOD OF THAWING AND RUNOFF, THE SITE CONTRACTOR SHOULD CONDUCT AN INSPECTION OF ALL INSTALLED EROSION CONTROL MEASURES AND PERFORM REPAIRS AS NEEDED TO INSURE THEIR CONTINUING FUNCTION. FOR ANY AREA STABILIZED BY TEMPORARY OR PERMANENT SEEDING PRIOR TO THE ONSET OF THE WINTER SEASON, THE CONTRACTOR SHOULD CONDUCT AN INSPECTION IN THE SPRING TO ASCERTAIN THE CONDITION OF VEGETATION COVER, AND REPAIR ANY DAMAGE AREAS OR BARE SPOTS AND RESEED AS REQUIRED TO ACHIEVE AN ESTABLISHED VEGETATIVE COVER (AT LEAST 85% OF AREA VEGETATED WITH HEALTHY, VIGOROUS GROWTH).
- SPECIFICATIONS:**
TO ADEQUATELY PROTECT WATER QUALITY DURING DULC WEATHER AND DURING SPRING RUNOFF, THE FOLLOWING STABILIZATION TECHNIQUES SHOULD BE EMPLOYED DURING THE PERIOD FROM OCTOBER 15TH THROUGH MAY 15TH.
- 1) THE AREA OF EXPOSED, UNSTABILIZED SOIL SHOULD BE LIMITED TO ONE ACRE AND SHOULD BE PROTECTED AGAINST EROSION BY THE METHODS DESCRIBED IN THIS SECTION PRIOR TO ANY THAW OR SPRING MELT EVENT. SUBJECT TO APPLICABLE REGULATIONS, THE ALLOWABLE AREA OF EXPOSED SOIL MAY BE INCREASED IF ACTIVITIES ARE CONDUCTED ACCORDING TO A WINTER CONSTRUCTION PLAN, DEVELOPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW HAMPSHIRE OR A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL AS CERTIFIED BY THE CSPESC COUNCIL OF ENVIROCERT INTERNATIONAL, INC.
 - 2) STABILIZATION AS FOLLOWS SHOULD BE COMPLETED WITHIN A DAY OF ESTABLISHING THE GRADE THAT IS FINAL OR THAT OTHERWISE WILL EXIST FOR MORE THAN 5 DAYS.
 - A. ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF LESS THAN 15% WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHOULD BE SEEDED AND COVERED WITH 3 TO 4 TONS OF HAY OR STRAW PER ACRE SECURED WITH ANCHORED NETTING, OR 2 INCHES OF EROSION CONTROL MIX (SEE DESCRIPTION OF EROSION CONTROL MIX BERMS FOR MATERIAL SPECIFICATION).
 - B. ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF GREATER THAN 15% WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHOULD BE SEEDED AND COVERED WITH A PROPERLY INSTALLED AND ANCHORED EROSION CONTROL BLANKET OR WITH A MINIMUM 4 INCH THICKNESS OF EROSION CONTROL MIX, UNLESS OTHERWISE SPECIFIED BY THE MANUFACTURER. NOTE THAT COMPOST BLANKETS SHOULD NOT EXCEED 2 INCHES IN THICKNESS OR THEY MAY OVERHEAT.
 - 3) ALL STONE-COVERED SLOPES MUST BE CONSTRUCTED AND STABILIZED BY OCTOBER 15.
 - 4) INSTALLATION OF ANCHORED HAY MULCH OR EROSION CONTROL MIX SHOULD NOT OCCUR OVER SNOW OF GREATER THAN ONE INCH IN DEPTH.
 - 5) ALL MULCH APPLIED DURING WINTER SHOULD BE ANCHORED (E.G., BY NETTING, TRACKING, WOOD CELLULOSE FIBER).
 - 6) STOCKPILES OF SOIL MATERIALS SHOULD BE MULCHED FOR OVER WINTER PROTECTION WITH HAY OR STRAW AT TWICE THE NORMAL RATE OR WITH A FOUR-INCH LAYER OF EROSION CONTROL MIX. MULCHING SHOULD BE DONE WITHIN 24 HOURS OF STOCKING, AND RE-ESTABLISHED PRIOR TO ANY RAINFALL OR SNOWFALL. NO SOIL STOCKPILE SHOULD BE PLACED (EVEN COVERED WITH MULCH) WITHIN 100 FEET FROM ANY WETLAND OR OTHER WATER RESOURCE AREA.
 - 7) FROZEN MATERIALS, (E.G., FROST LAYER THAT IS REMOVED DURING WINTER CONSTRUCTION), SHOULD BE STOCKPILED SEPARATELY AND IN A LOCATION THAT IS AWAY FROM ANY AREA NEEDING TO BE PROTECTED. STOCKPILES OF FROZEN MATERIAL CAN MELT IN THE SPRING AND BECOME UNWORKABLE AND DIFFICULT TO TRANSPORT DUE TO THE HIGH MOISTURE CONTENT IN THE SOIL.
 - 8) INSTALLATION OF EROSION CONTROL BLANKETS SHOULD NOT OCCUR OVER SNOW OF ONE INCH OR MORE IN DEPTH.
 - 9) ALL GRASS-LINED DITCHES AND CHANNELS SHOULD BE CONSTRUCTED AND STABILIZED BY SEPTEMBER 1. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHOULD BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS, AS DETERMINED BY A QUALIFIED PROFESSIONAL ENGINEER OR A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL AS CERTIFIED BY THE CSPESC COUNCIL OF ENVIROCERT INTERNATIONAL, INC. IF A STONE LINING IS NECESSARY, THE CONTRACTOR MAY NEED TO RE-GRADE THE DITCH AS REQUIRED TO PROVIDE ADEQUATE CROSS-SECTION AFTER ALLOWING FOR PLACEMENT OF THE STONE.
 - 10) ALL STONE-LINED DITCHES AND CHANNELS MUST BE CONSTRUCTED AND STABILIZED BY OCTOBER 15.
 - 11) AFTER OCTOBER 15, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER NHDOT ITEM 304.3.
 - 12) SEDIMENT BARRIERS THAT ARE INSTALLED DURING FROZEN CONDITIONS SHOULD CONSIST OF EROSION CONTROL MIX BERMS, OR CONTINUOUS CONTAINED BERMS. SILT FENCES AND HAY BALES SHOULD NOT BE INSTALLED WHEN FROZEN CONDITIONS PREVENT PROPER EMBEDMENT OF THESE BARRIERS.

EROSION CONTROL NOTES:

- 1) THE EROSION CONTROL PROCEDURES SHALL CONFORM TO THE NH STORMWATER MANUAL, VOLUME 3, EROSION & SEDIMENT CONTROLS DURING CONSTRUCTION, DECEMBER 2008, OR LATEST EDITION.
- 2) DURING CONSTRUCTION AND THEREAFTER, EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS NOTED: THE SMALLEST PRACTICAL AREA OF LAND SHOULD BE EXPOSED AT ANY ONE TIME DURING DEVELOPMENT. WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE EXPOSURE SHOULD BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME AS APPROVED BY THE ENGINEER. LAND SHOULD NOT BE LEFT EXPOSED DURING THE WINTER MONTHS.
- 3) LIMIT OF MAXIMUM AREA OF EXPOSED SOIL AT ANY ONE TIME TO LESS THAN 5 ACRES. THE EXPOSED AREA THAT IS BEING ACTIVELY WORKED DURING WINTER IS TO BE LESS THAN 3 ACRES DURING THE WINTER SEASON.
- 4) ALL PERMANENT STORM WATER STRUCTURES SHALL BE STABILIZED PRIOR TO DIRECTING FLOW INTO THEM. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURED:
 - A) BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED.
 - B) A MINIMUM OF 85 PERCENT VEGETATED GROWTH HAS BEEN ESTABLISHED.
 - C) A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP-RAP HAS BEEN INSTALLED.
 - D) OR, EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
- 5) SILT FENCE SHALL BE INSTALLED AND MAINTAINED DURING AND AFTER DEVELOPMENT TO REMOVE SEDIMENT FROM RUNOFF WATER AND FROM LAND UNDERGOING DEVELOPMENT. WHERE POSSIBLE, NATURAL DRAINAGE WAYS SHOULD BE UTILIZED AND LEFT OPEN TO REMOVE EXCESS SURFACE WATER. SILT FENCE TO BE MAINTAINED AND CLEANED UNTIL ALL SLOPES HAVE A HEALTHY STAND OF GRASS.
- 6) ALL DISTURBED AREAS AND SIDE SLOPES WHICH ARE FINISHED GRADED, WITH NO FURTHER CONSTRUCTION TO TAKE PLACE, SHALL BE LOAMED AND SEEDED WITHIN 72 HOURS AFTER FINAL GRADING. A MINIMUM OF 4" OF LOAM SHALL BE INSTALLED WITH NOT LESS THAN ONE POUND OF SEED PER 50 SQUARE YARDS OF AREA. THE SEED MIX SHALL BE AS DESIGNATED BELOW.
- 7) ANY DISTURBED AREAS WHICH ARE TO BE LEFT TEMPORARILY, AND WHICH WILL BE REGRADED LATER DURING CONSTRUCTION SHALL BE MACHINE HAY MULCHED AND SEEDED WITH RYE GRASS TO PREVENT EROSION. THE MAXIMUM LENGTH OF TIME FOR THE EXPOSURE OF DISTURBED SOILS SHALL BE 45 DAYS. HAY OR STRAW MULCH SHALL BE APPLIED TO ALL FRESHLY SEEDED AREAS AT THE RATE OF 2 TONS PER ACRE. BALES SHALL BE UNSPOILED, AIR DRIED, AND FREE FROM WEED, SEEDS AND ANY COARSE MATERIAL.
- 8) DURING GRADING OPERATIONS INSTALL HAY BALE BARRIERS ALONG TOE OF SLOPE OF FILL AREAS WHERE SHOWN. BARRIERS ARE TO BE MAINTAINED UNTIL DISTURBED AREAS ARE PAVED OR GRASSED.
- 9) THE FILL MATERIAL SHALL BE OF APPROVED SOIL TYPE FREE FROM STUMPS, ROOTS, WOOD, ETC. TO BE PLACED IN 12" LIFTS OR AS SPECIFIED. BULLDOZERS, TRUCKS, TRACTORS, OR ROLLERS MAY BE USED FOR COMPACTION BY ROUTING THE EQUIPMENT TO ALL AREAS OR EACH LAYER.
- 10) AVOID THE USE OF FUTURE OPEN SPACES (LOAM & SEED) WHEREVER POSSIBLE DURING CONSTRUCTION. CONSTRUCTION TRAFFIC SHALL USE THE ROADBEDS OF FUTURE ROADS.

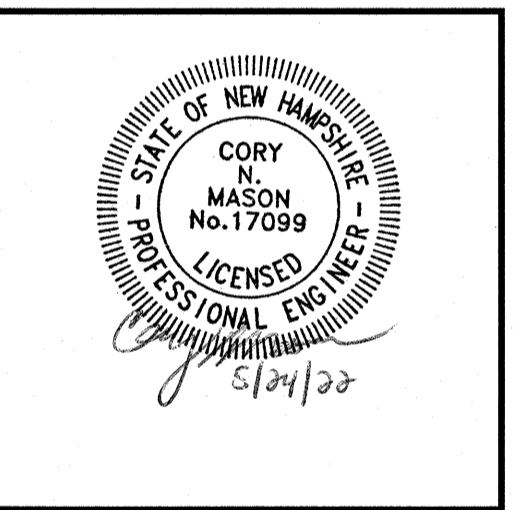
TEMPORARY EROSION CONTROL MEASURES:

- 1) THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME.
- 2) HAY BALE BARRIERS AND SEDIMENT CONTROL FENCE SHALL BE INSTALLED AS REQUIRED. BARRIERS AND FENCE ARE TO BE MAINTAINED AND CLEANED UNTIL ALL SLOPES HAVE A HEALTHY STAND OF GRASS.
- 3) Baled HAY AND MULCH SHALL BE MOWINGS OF ACCEPTABLE HERBACEOUS GRASS, FREE FROM NOXIOUS WEEDS OR WOODY STEMS, AND SHALL BE DRY. NO SALT HAY SHALL BE USED.
- 4) FILL MATERIAL SHALL BE FREE FROM STUMPS, WOOD, ROOTS, ETC.
- 5) STOCKPILED MATERIALS SHALL BE PLACED ONLY IN AREAS SHOWN ON THE PLANS. STOCKPILES SHALL BE PROTECTED BY HAY BALE BARRIERS AND SEEDED TO PREVENT EROSION. THESE MEASURES SHALL REMAIN UNTIL ALL MATERIAL HAS BEEN PLACED OR DISPOSED OFF SITE.
- 6) ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDED. A MINIMUM OF 4 INCHES OF LOAM SHALL BE INSTALLED WITH NOT LESS THAN ONE POUND OF SEED PER 50 SQUARE YARDS OF AREA.
- 7) SEED MIX SHALL BE EQUAL PARTS OF RED FESCUE (CREEPING), KENTUCKY BLUE GRASS, REDTOP, PERENNIAL RYEGRASS.
- 8) AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED.
- 9) PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
- 10) ALL CATCH BASIN INLETS WILL BE PROTECTED WITH INLET PROTECTION.
- 11) ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED AND CLEANED AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
- 12) ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA.
- 13) TO PREVENT TRACKING OF SEDIMENT ONTO THE EXISTING ROADS, ALL CONSTRUCTION TRAFFIC CAN ONLY EXIT THE SITE OVER THE CONSTRUCTION ENTRANCES SHOWN ON THIS PLAN.

GPI Engineering
Design
Construction Management
603.893.0720 GPINET.COM
Greenman-Pedersen, Inc.
44 Stiles Road, Suite One
Salem, NH 03079

PREPARED FOR
**GRANITE STATE
CONVENIENCE, LLC**
25 SPRINGER ROAD
HOOKSETT, NH

**PROPOSED RETAIL MOTOR
FUEL OUTLET**
**2255 LAFAYETTE ROAD
PORTSMOUTH, NH 03801**



REVISIONS

NO.	REVISION	DATE
3	REV. PER TAC	5/10/22
2	MISC. REVISIONS	4/19/22
1	REV. PER CITY COMMENTS	3/22/22

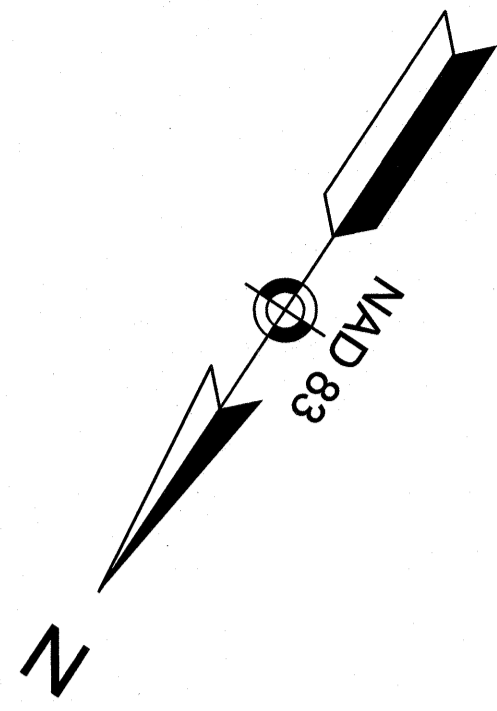
JANUARY 26, 2022
DRAWN/DESIGN BY: CCC/NID
CHECKED BY: DRJ

**EROSION &
SEDIMENT
CONTROL PLAN**

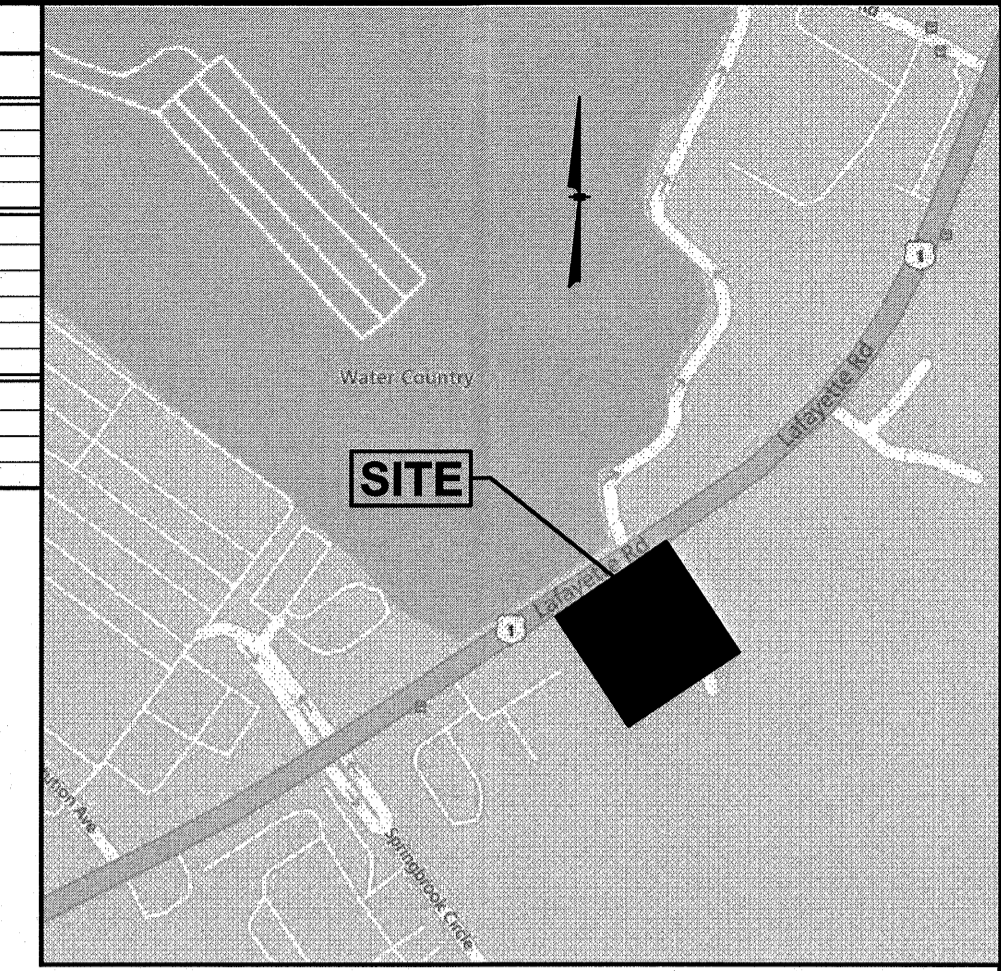
SCALE: 1"=30'
PROJECT NO. NEX-2021163
7 OF 15

F:\Projects\NEX-2021163 - Portsmouth, NH - GSC\CAD Files\21163_SP.dwg EROS 5/24/22 5:12pm cmason





PLANTING SCHEDULE					
PLANT	QNTY	BOTANICAL NAME	COMMON NAME	MIN. INSTALL SIZE	REMARKS
TREES					
GT	3	GLEDITSIA TRIACANTHOS 'SHADEMASTER'	SHADEMASTER HONEY LOCUST	2"-2 1/2" CAL., B&B	THORNLESS VARIETY
MG	1	MALUS 'SPRING SNOW'	SPRING SNOW CRABAPPLE	2"-2 1/2" CAL., B&B	
QR	4	QUERCUS ROBUR 'KINDRED SPIRIT'	KINDRED SPIRIT ENGLISH OAK	3"-3 1/2" CAL., B&B	
SHRUBS					
CS	5	CORNUS SERICEA 'ALLENMAN'S COMPACTA'	COMPACT REDTWIG DOGWOOD	18"-24" HT., 3 GAL.	
IG	5	ILEX GLABRA 'COMPACTA'	COMPACT INKBERRY	2'-3" HT., 3 GAL.	
PF	24	POTENTILLA FRUTICOSA 'GOLDSTAR'	GOLDSTAR POTENTILLA	18"-24" HT., 3 GAL.	
SJ	19	SPIREA JAPONICA 'MAGIC CARPET'	MAGIC CARPET SPIREA	15"-18" SPR., 3 GAL.	
TE	5	TAXUS X MEDIA 'EVER-LOW'	EVER-LOW YEW	18"-24" SPR., B&B	
PERENNIALS & GRASSES					
HD	40	HEMEROCALLIS 'STELLA DE ORO'	DWARF YELLOW DAYLILY	1 GAL.	
FE	22	FESTUCA GLAUCA 'ELIJAH BLUE'	ELIJAH BLUE FESCUE GRASS	1 GAL.	
PH	23	PENNISETUM ALOPERCURIROIDES 'HAEMELI'	DWARF FOUNTAIN GRASS	1 GAL.	

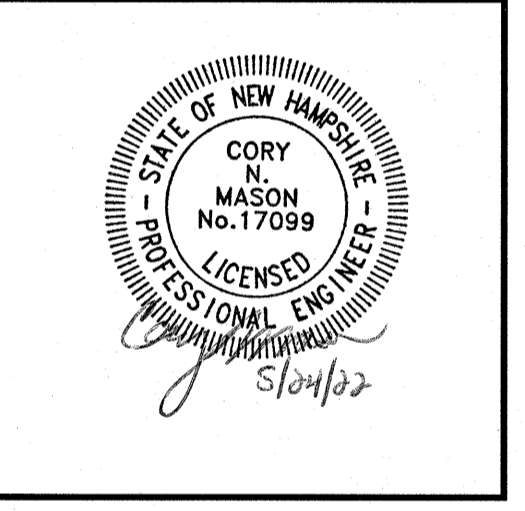


LOCATION MAP
(NOT TO SCALE)

GPI Engineering
Design
Planning
Construction Management
603.893.0720 GPINET.COM
Greenman-Pedersen, Inc.
44 Stiles Road, Suite One
Salem, NH 03079

PREPARED FOR
GRANITE STATE
CONVENIENCE, LLC
25 SPRINGER ROAD
HOOKSETT, NH

**PROPOSED RETAIL MOTOR
FUEL OUTLET**
**2255 LAFAYETTE ROAD
PORTSMOUTH, NH 03801**



REVISIONS		
NO.	REVISION	DATE
3	REV. PER TAC	5/10/22
2	MISC. REVISIONS	4/19/22
1	REV. PER CITY COMMENTS	3/22/22
JANUARY 26, 2022		
DRAWN/DESIGN BY	CCC/NID	CHECKED BY
		DRJ

LANDSCAPE PLAN

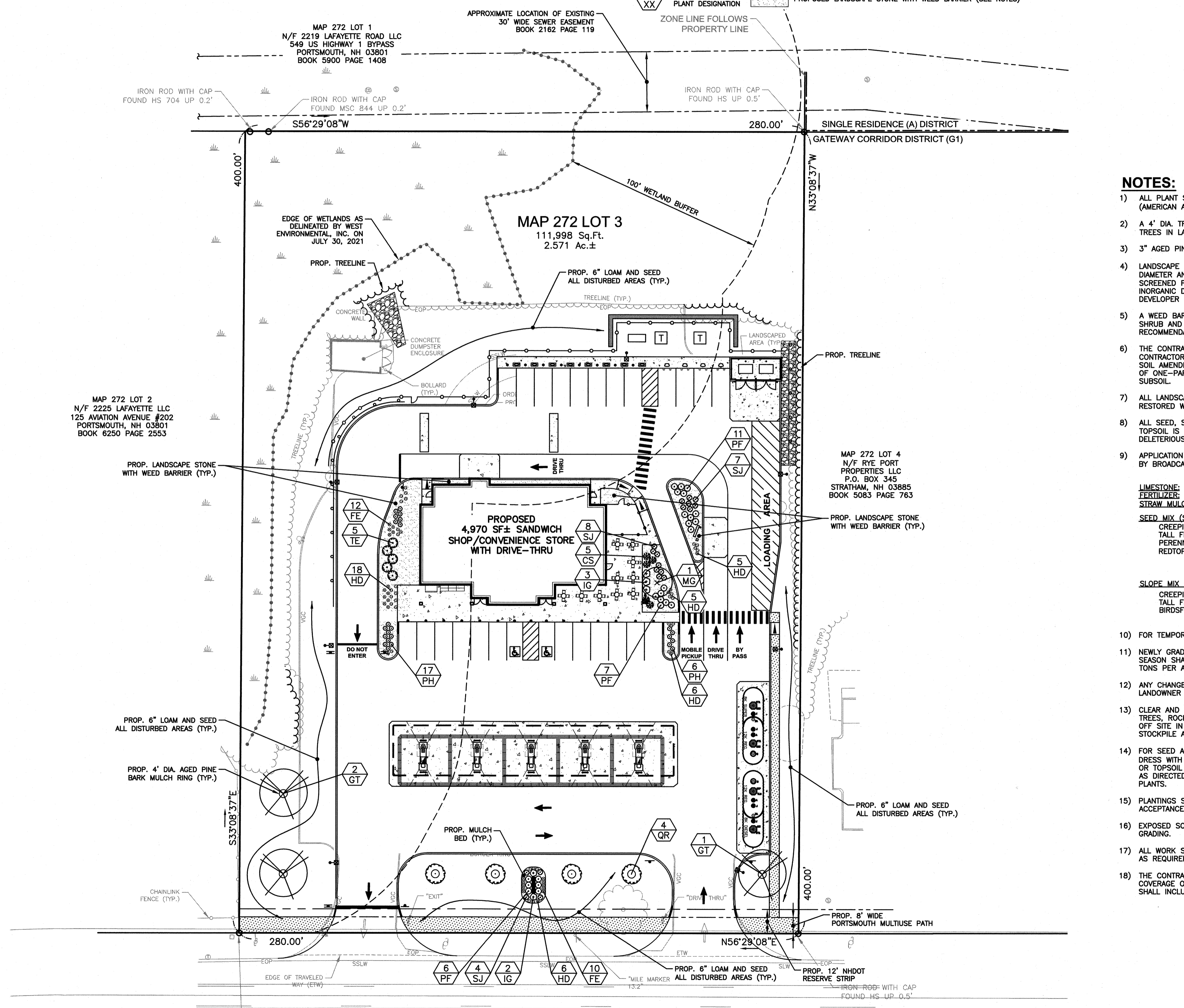
SCALE: 1"=30'

PROJECT NO.
NEX-2021163

8 OF 15

LEGEND

	VERTICAL GRANITE CURB
	SINGLE SOLID LINE WHITE
	GAS LINE
	UNDERGROUND COMM
	WATER LINE
	UNDERGROUND ELECTRIC
	CHAIN LINK FENCE
	CONTOUR ELEVATION
	TREE
	UTILITY POLE
	GUY WIRE
	OVERHEAD WIRE
	TREELINE
	SIGN
	SPOT ELEVATION
	CATCH BASIN
	CLEANOUT
	SEWER MANHOLE
	TELEPHONE MANHOLE
	WATER SHUT OFF
	BOLLARD
	GAS METER
	LIGHT POLE
	WETLAND LINE
	EASEMENT LINE
	PROPERTY LINE
	ABUTTER PROPERTY LINE
	ZONE LINE



NOTES:

- ALL PLANT STOCK SHALL CONFORM TO ANSI Z260.1 - NURSERY STOCK, LATEST EDITION (AMERICAN ASSOCIATION OF NURSERYMEN, INC.).
- A 4' DIA. TREE RING WITH 3" AGED PINE BARK MULCH TO BE INSTALLED AT BASE OF ALL TREES IN LAWN AREAS.
- 3" AGED PINEBARK MULCH SHALL BE APPLIED TO ALL SHRUB AND GROUNDCOVER BEDS.
- LANDSCAPE STONE SHALL BE TAN RIVERBED STONE. STONE SHALL BE (1 1/2) INCHES IN DIAMETER AND APPLIED AT A THICKNESS OF (4) INCHES DEEP. ALL FINES SHALL BE SCREENED FROM THE AGGREGATE. THE MATERIAL SHALL BE FREE OF ORGANIC AND INORGANIC DEBRIS AND TRASH. SUBMIT SAMPLE IN A 5-GALLON BUCKET TO THE DEVELOPER FOR APPROVAL.
- A WEED BARRIER (TY-PAR FABRIC OR APPROVED EQUAL) SHALL BE APPLIED TO ALL SHRUB AND GROUNDCOVER BEDS. INSTALL WEED BARRIER AS PER MANUFACTURERS RECOMMENDATIONS.
- THE CONTRACTOR SHALL PROVIDE TESTING OF SOILS IN PLANTING LOCATIONS. THE CONTRACTOR SHALL PROVIDE TEST RESULTS AND RECOMMENDATIONS AS NECESSARY FOR SOIL AMENDMENT TO THE ENGINEER FOR THEIR APPROVAL. BACKFILL SHALL BE A BLEND OF ONE-PART LOAM BORROW, ONE PART ORGANIC MATERIAL AND TWO-PARTS EXISTING SUBSOIL.
- ALL LANDSCAPED AREAS NOT PLANTED WITH TREES, SHRUBS OR GROUNDCOVER SHALL BE RESTORED WITH SEED AS INDICATED ON PLANS.
- ALL SEED, SHRUB AND TREE AREAS SHALL RECEIVE 6" PH CORRECTED TOPSOIL. AFTER TOPSOIL IS SPREAD EVENLY OVER ENTIRE AREA, ALL CLODS, LUMPS, STONES AND OTHER DELETERIOUS MATERIAL SHALL BE RAKED UP AND REMOVED.
- APPLICATION OF GRASS SEED, FERTILIZERS AND STRAW MULCH SHALL BE ACCOMPLISHED BY BROADCAST SEEDING OR HYDROSEEDING AT THE RATES OUTLINED BELOW:

LIMESTONE:	100 LBS./1,000 SQUARE FEET.
FERTILIZER:	500 LBS./ACRE OF 10-20-20 OR 1000 LBS./ACRE OF 5-10-10.
STRAW MULCH:	APPROXIMATELY 3 TONS/ACRE

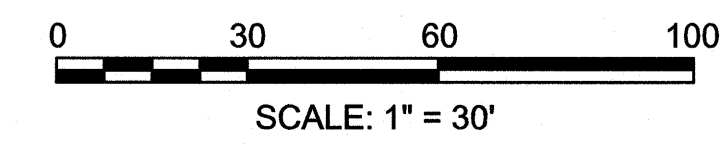
SEED MIX (SLOPES LESS THAN 4:1)	LBS./ACRE
CREeping RED FESCUE	20
TALL FESCUE	15
PERENNIAL RYEGRASS	5
REDTOP	42

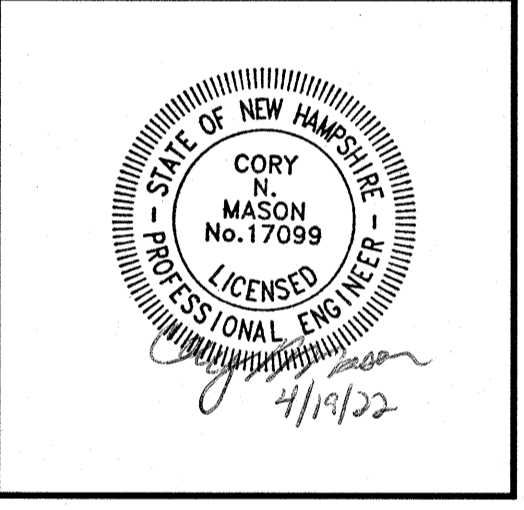
SLOPE MIX (SLOPES GREATER THAN 4:1)	LBS./ACRE
CREeping RED FESCUE	20
TALL FESCUE	20
BIRDSFOOT TREEFOIL	8
	48
- FOR TEMPORARY EROSION CONTROL NOTES, SEE DETAIL SHEET.
- NEWLY GRADED AREAS REQUIRING SLOPE PROTECTION OUTSIDE OF NORMAL SEEDING SEASON SHALL RECEIVE STRAW MULCH AT THE APPROXIMATE RATE OF NO MORE THAN 3 TONS PER ACRE.
- ANY CHANGES IN PLANT LOCATIONS OR TYPES SHALL BE APPROVED BY THE DEVELOPER, LANDOWNER AND CITY PRIOR TO INSTALLATION.
- CLEAR AND GRUB (TO LIMITS REQUIRED ON GRADING PLAN) TO REMOVE VEGETATION, TREES, ROCKS, DEBRIS, ROOTS, ETC. STUMPS SHALL BE REMOVED AND DISPOSED OF OFF SITE IN ACCORDANCE WITH STATE REGULATIONS. AFTER CLEARING, STRIP AND STOCKPILE ALL ON-SITE TOPSOIL FOR REUSE TO THE MAXIMUM EXTENT POSSIBLE.
- FOR SEED AREAS USE EXISTING TOPSOIL, IF AVAILABLE, FOR A 4" DEPTH AND TOP DRESS WITH 2" OF SCREENED TOPSOIL, UNLESS OTHERWISE NOTED ON PLAN. ALL LOAM OR TOPSOIL IMPORTED OR RE-UTILIZED FROM ON SITE SHALL BE TESTED AND AMENDED AS DIRECTED BY DEVELOPER TO MEET MINIMUM REQUIREMENTS AND FREE FROM INVASIVE PLANTS.
- PLANTINGS SHALL BE GUARANTEED BY THE CONTRACTOR FOR ONE YEAR AFTER WRITTEN ACCEPTANCE BY THE DEVELOPER.
- EXPOSED SOILS SHALL BE SEED OR STRAW MULCHED WITHIN 72 HOURS OF FINAL GRADING.
- ALL WORK SHALL BE COORDINATED WITH APPLICABLE EPA NPDES/SWPPP PERMIT WORK AS REQUIRED.
- THE CONTRACTOR SHALL INSTALL AN IRRIGATION SYSTEM TO PROVIDE COMPLETE COVERAGE OF ALL SEED AREAS AND SHRUB BEDS SHOWN ON THIS PLAN. THE SYSTEM SHALL INCLUDE A TIMER AND SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES.

F:\Projects\NEX-2021163 - Portsmouth, NH - GSC\CAD Files\21163_SP.dwg LA 5/24/22 3:24pm cccall



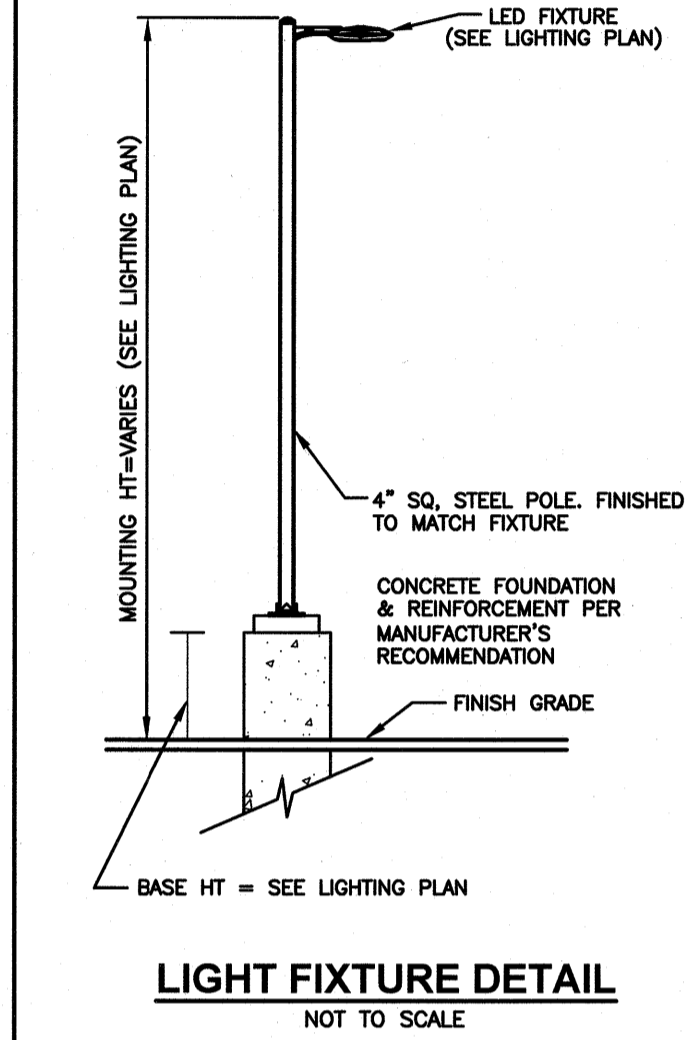
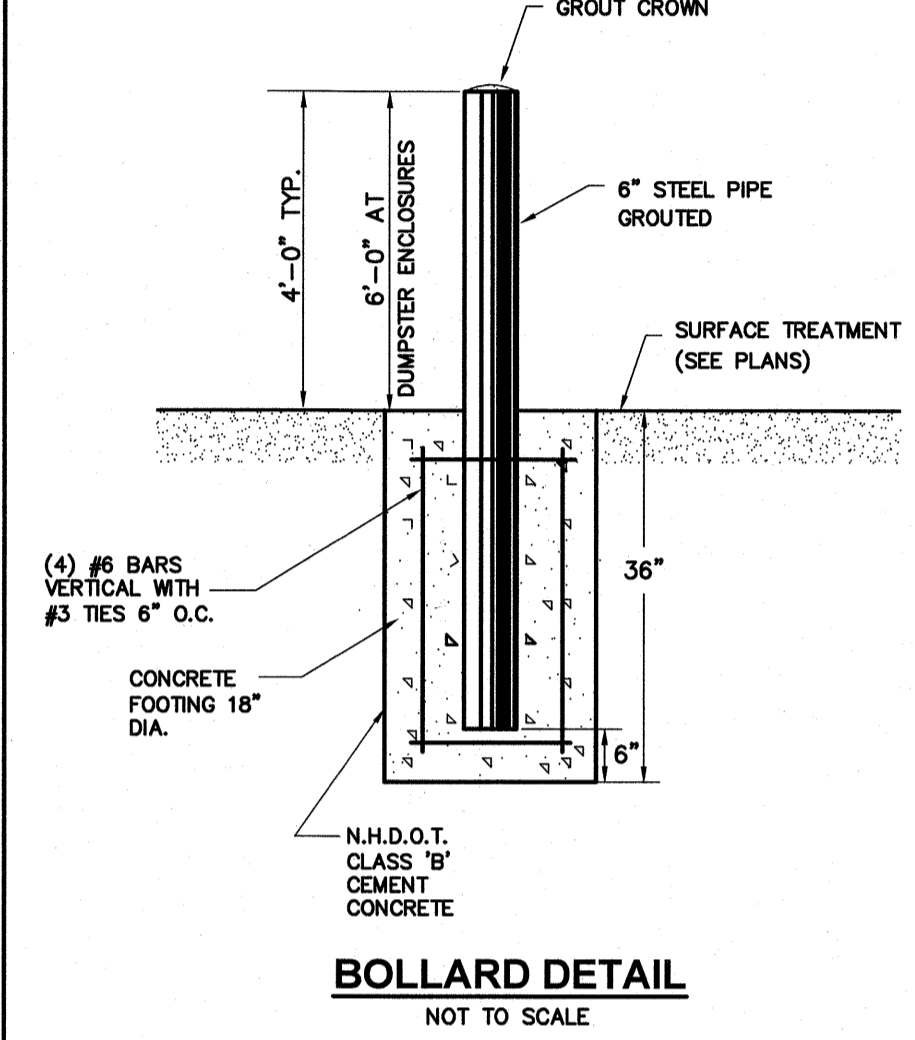
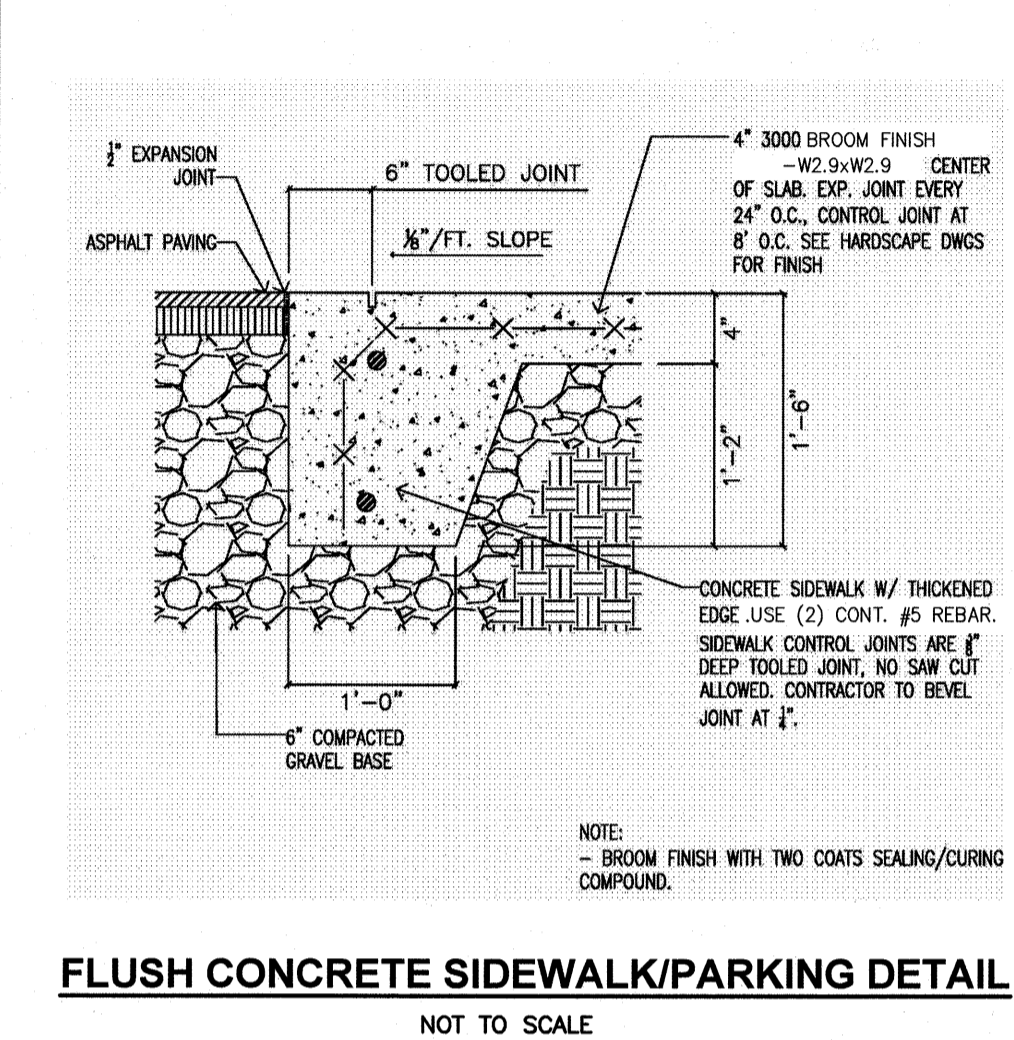
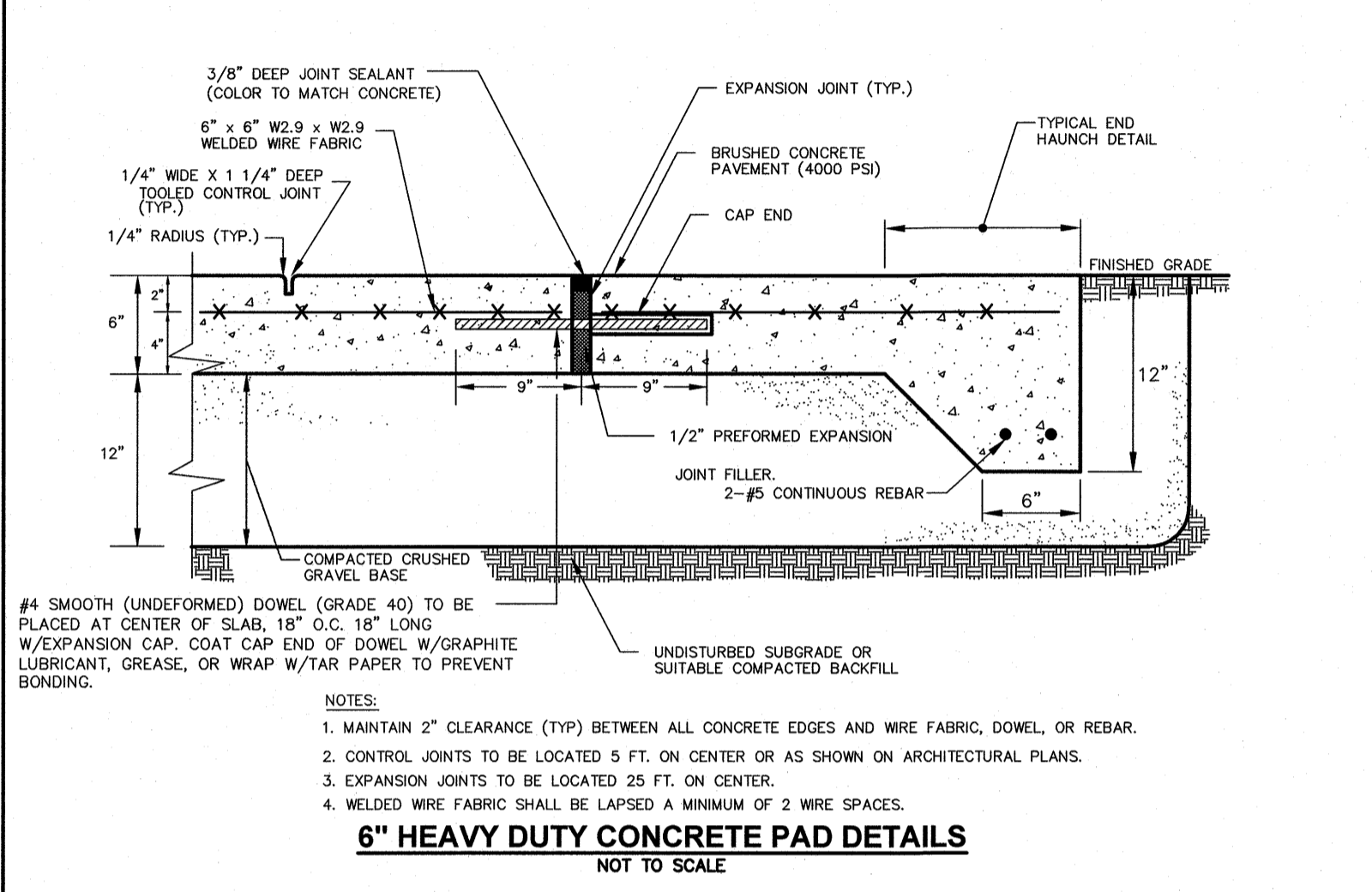
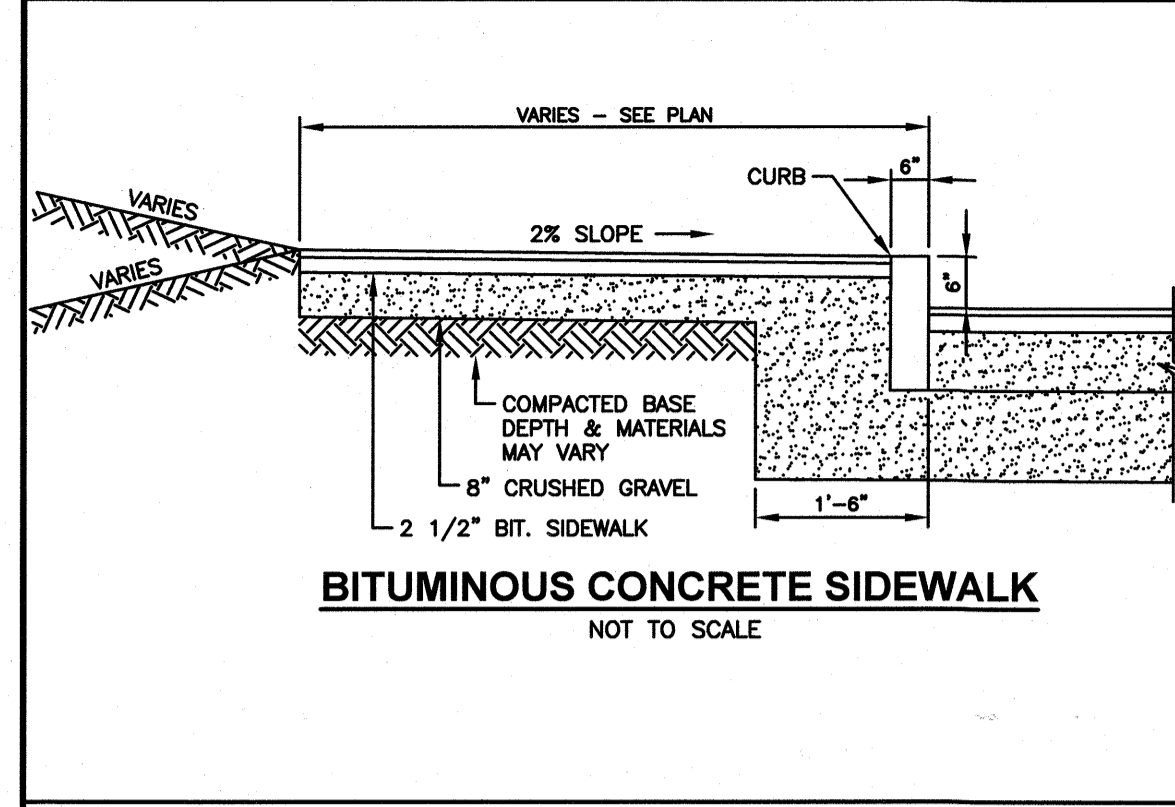
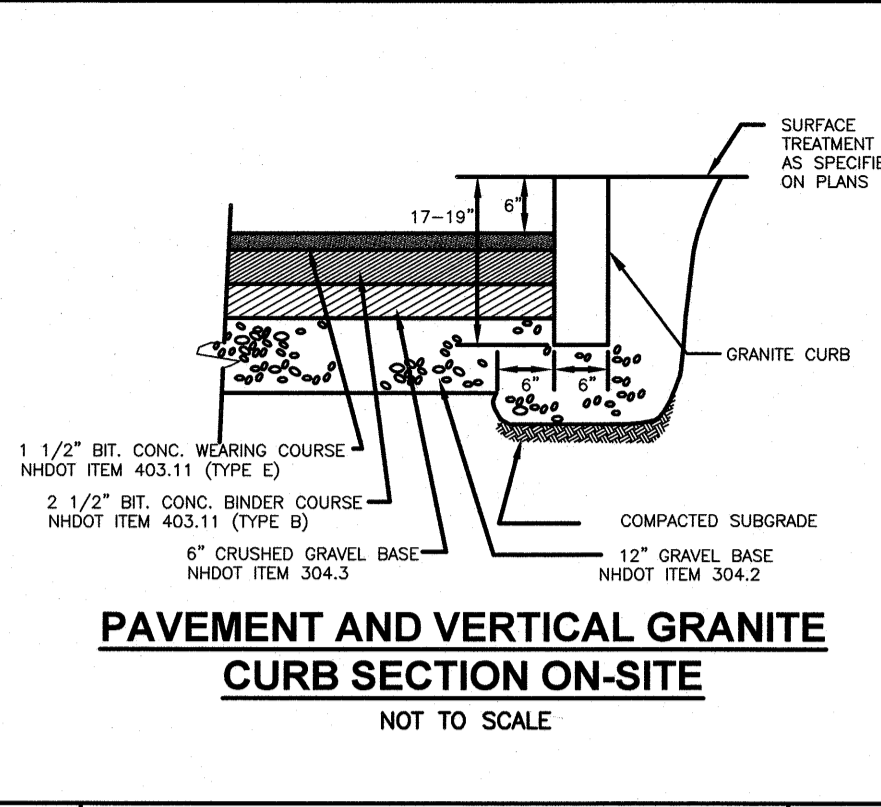
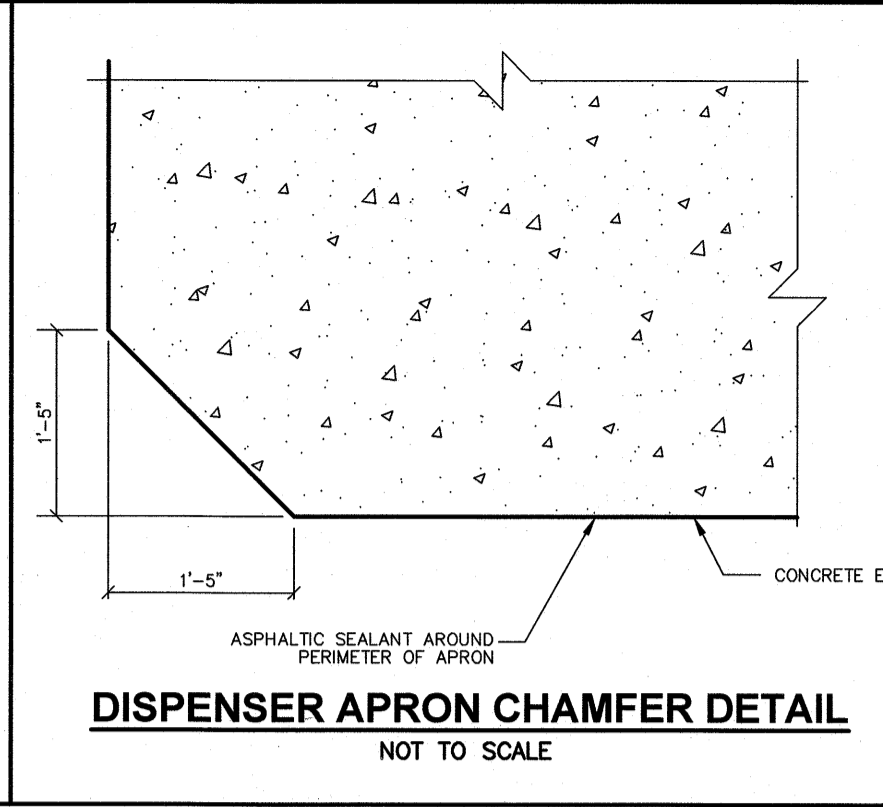
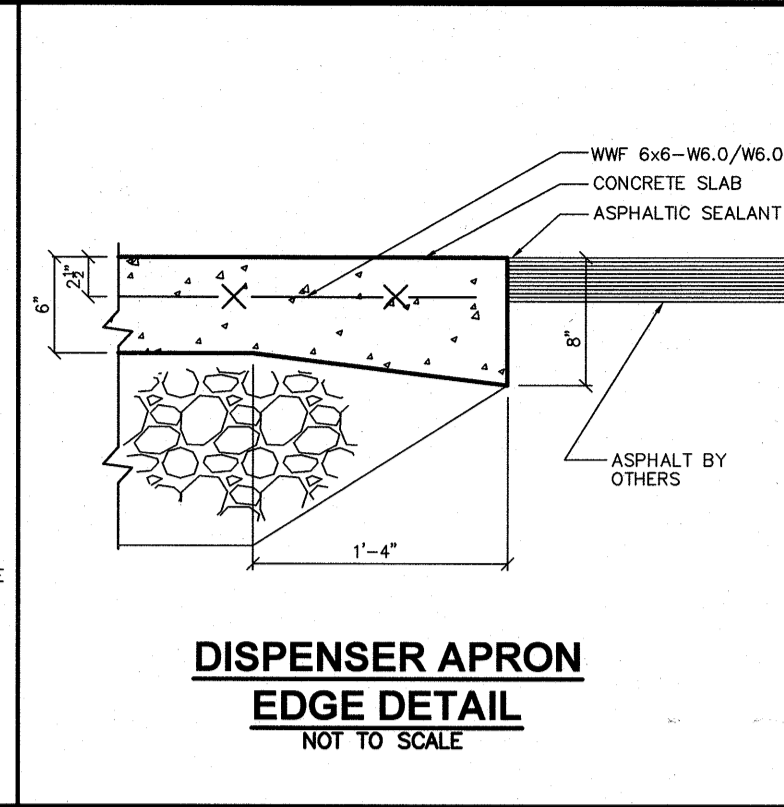
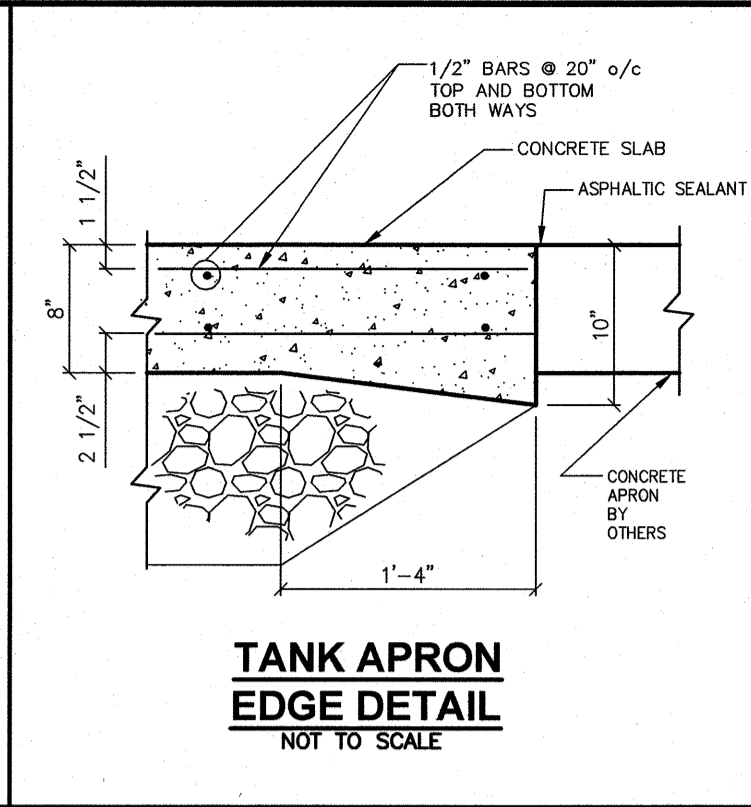
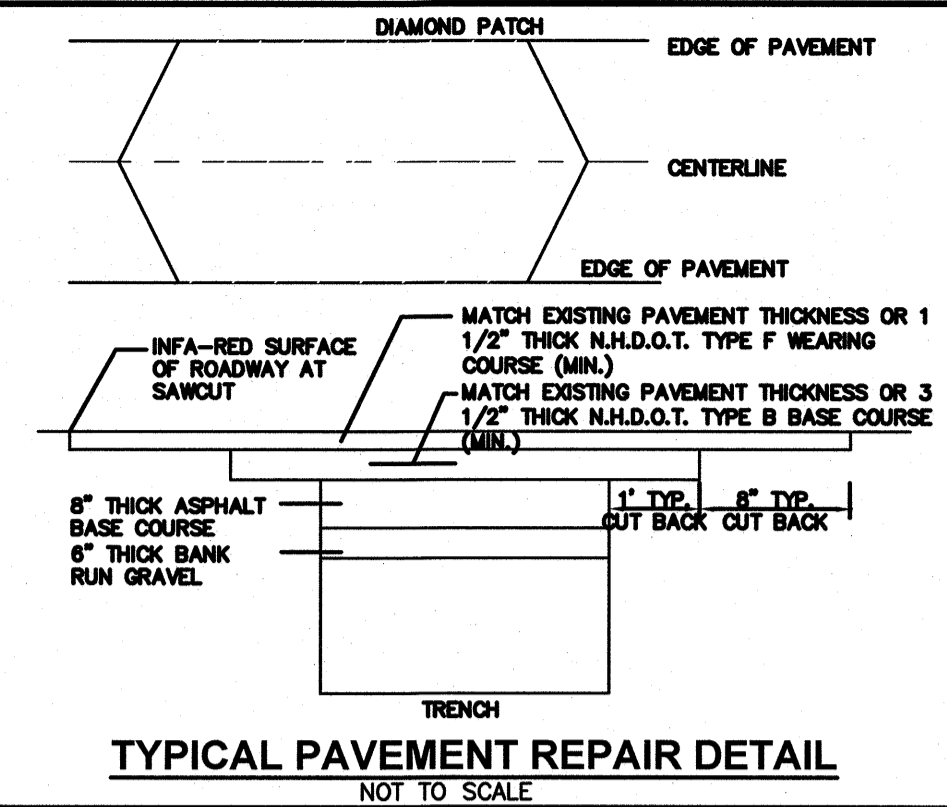
LAFAYETTE ROAD (ROUTE 1)
(PUBLIC - 66'± WIDE R.O.W.)





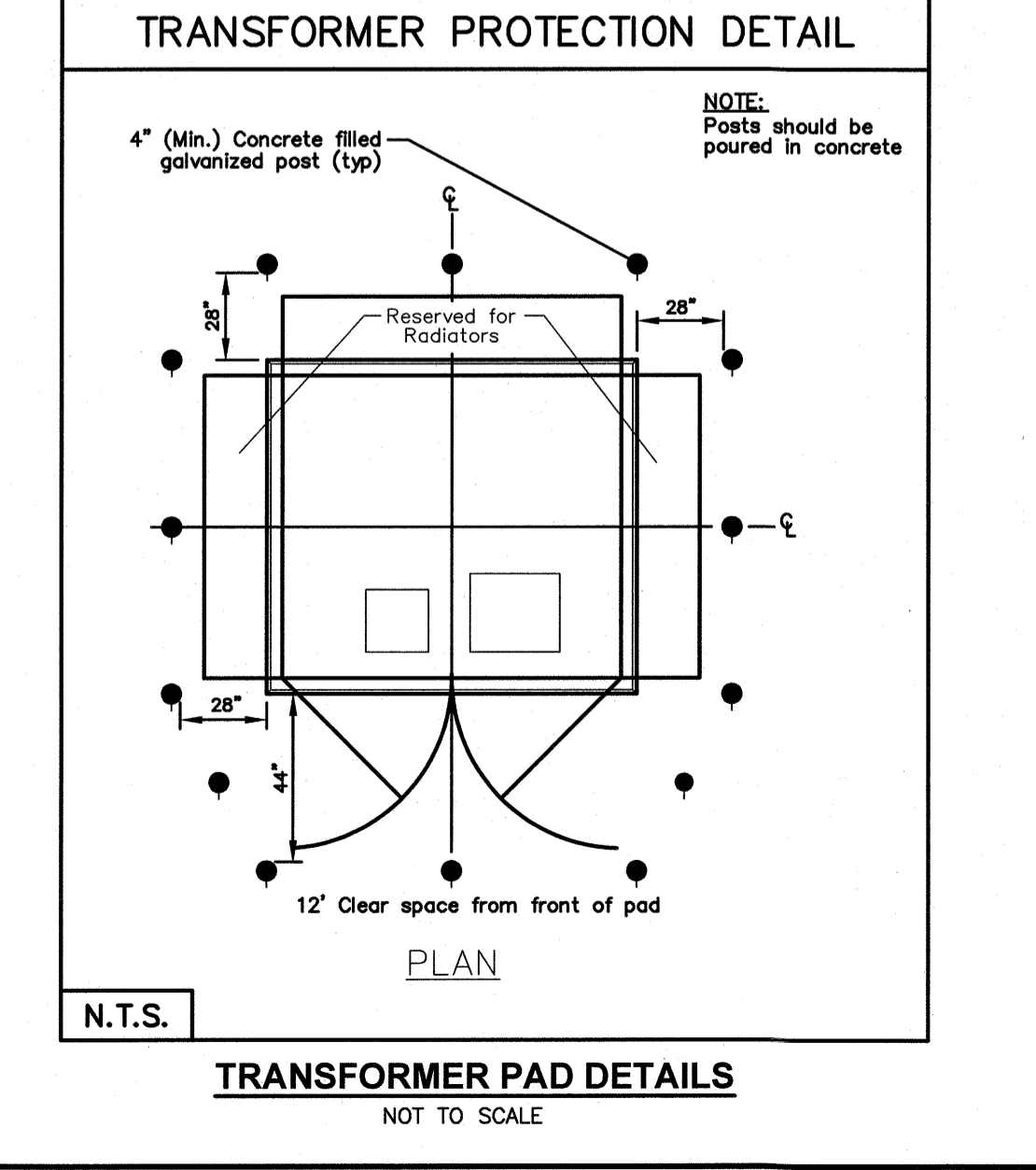
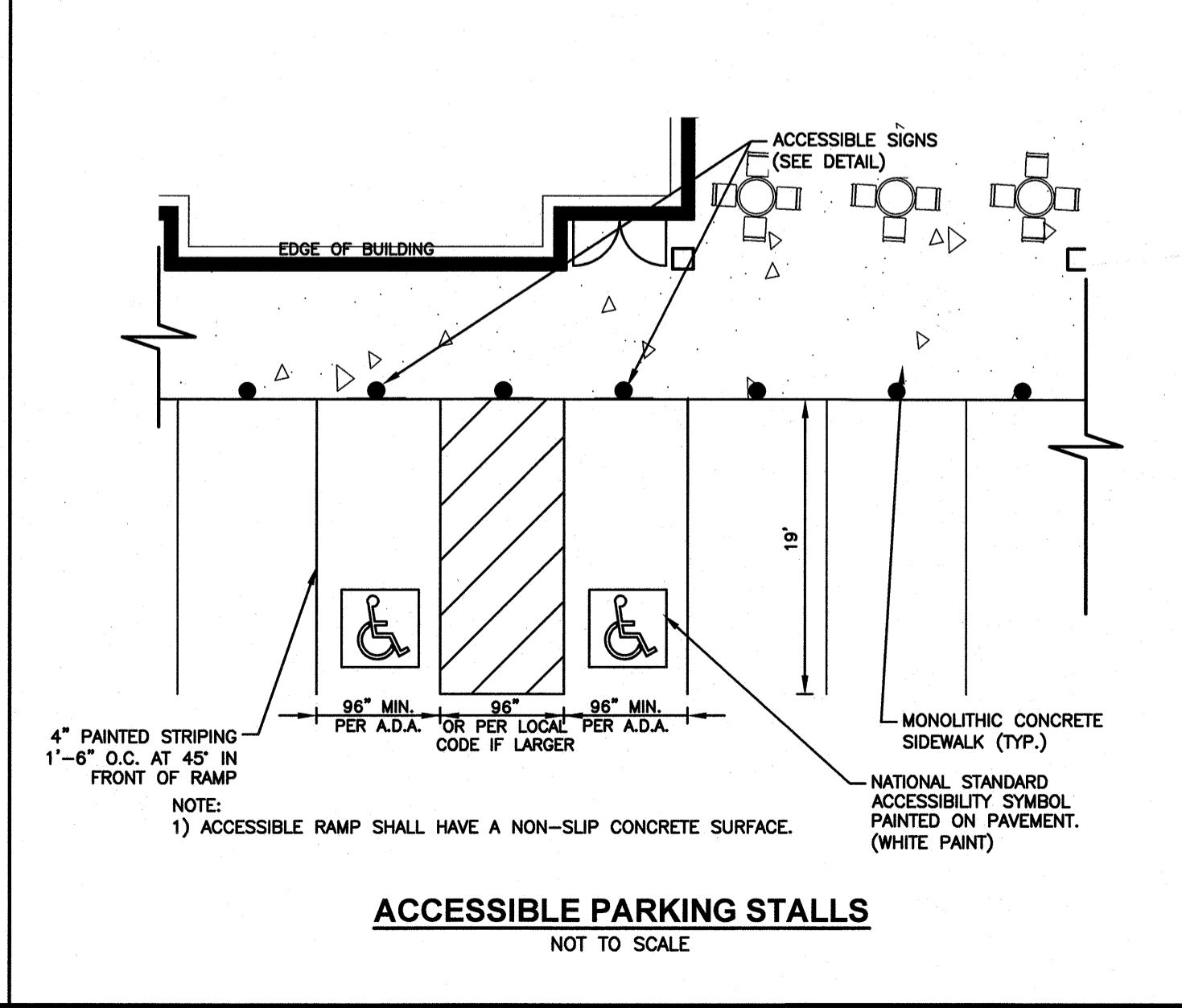
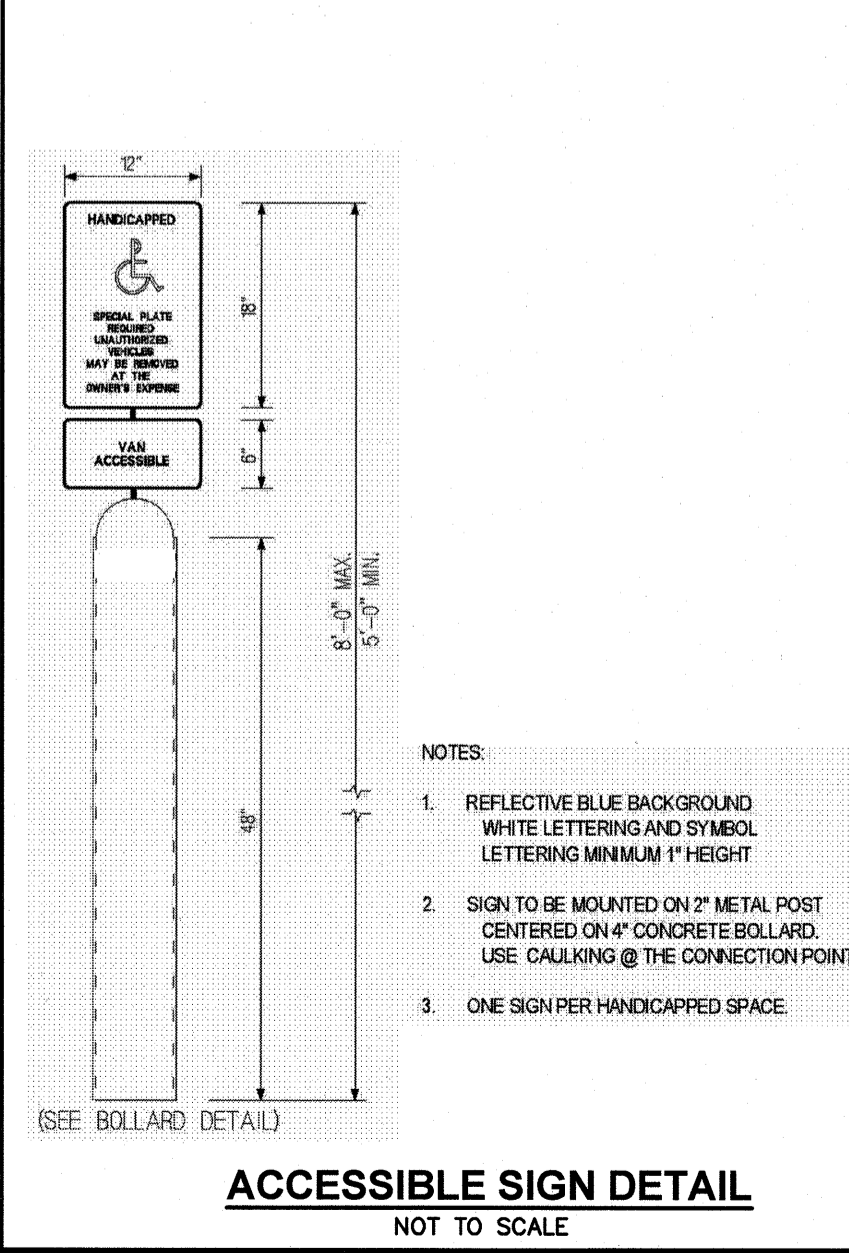
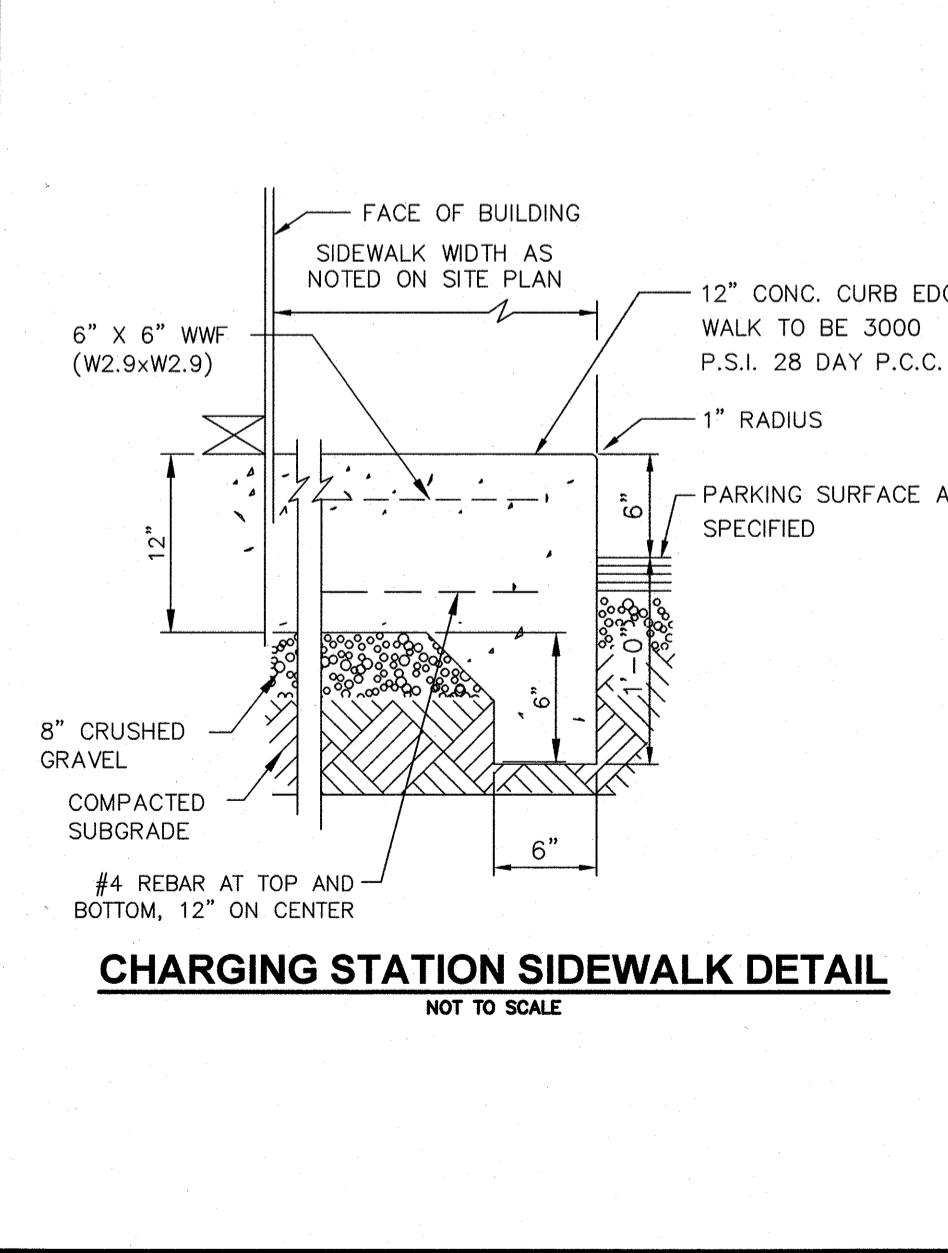
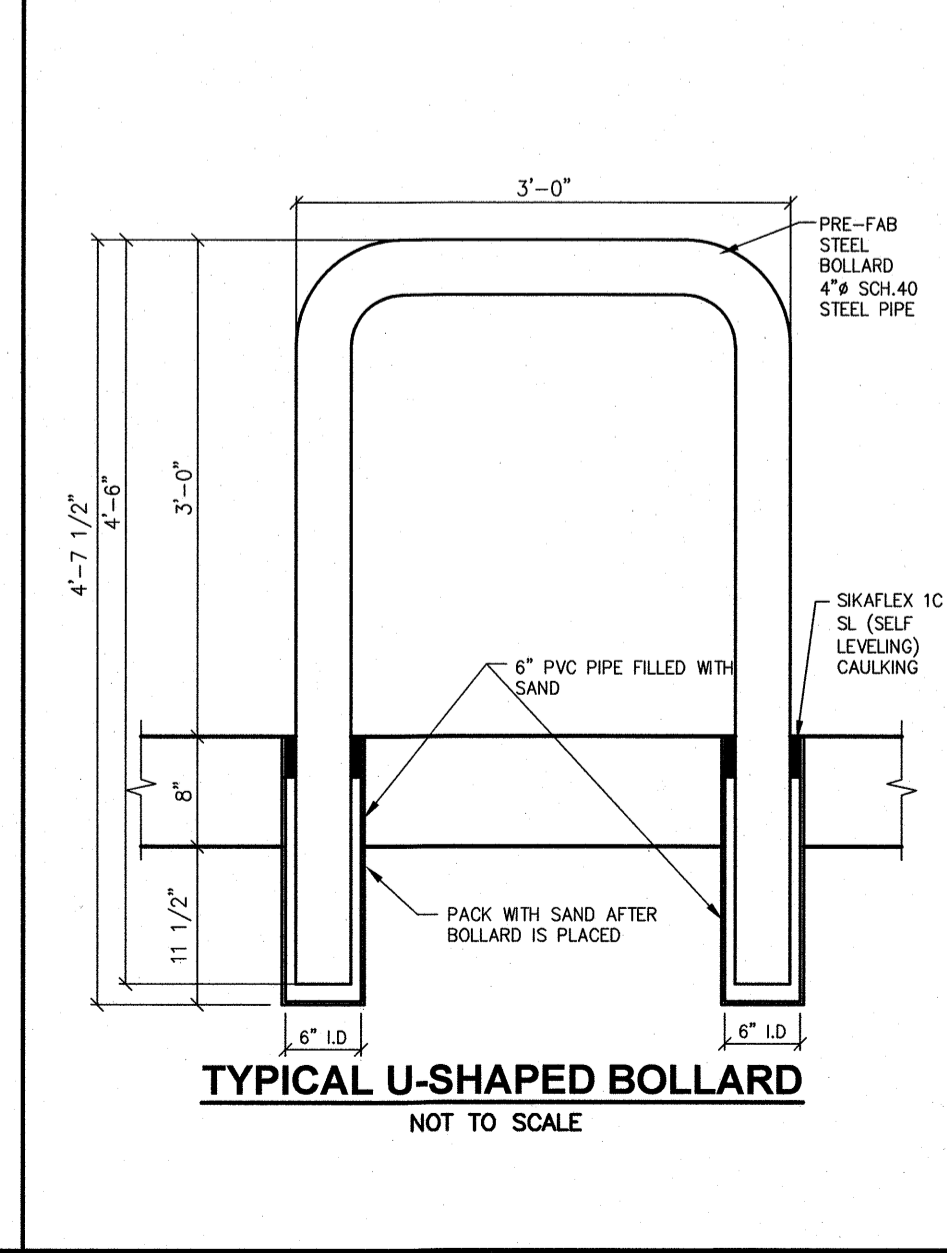
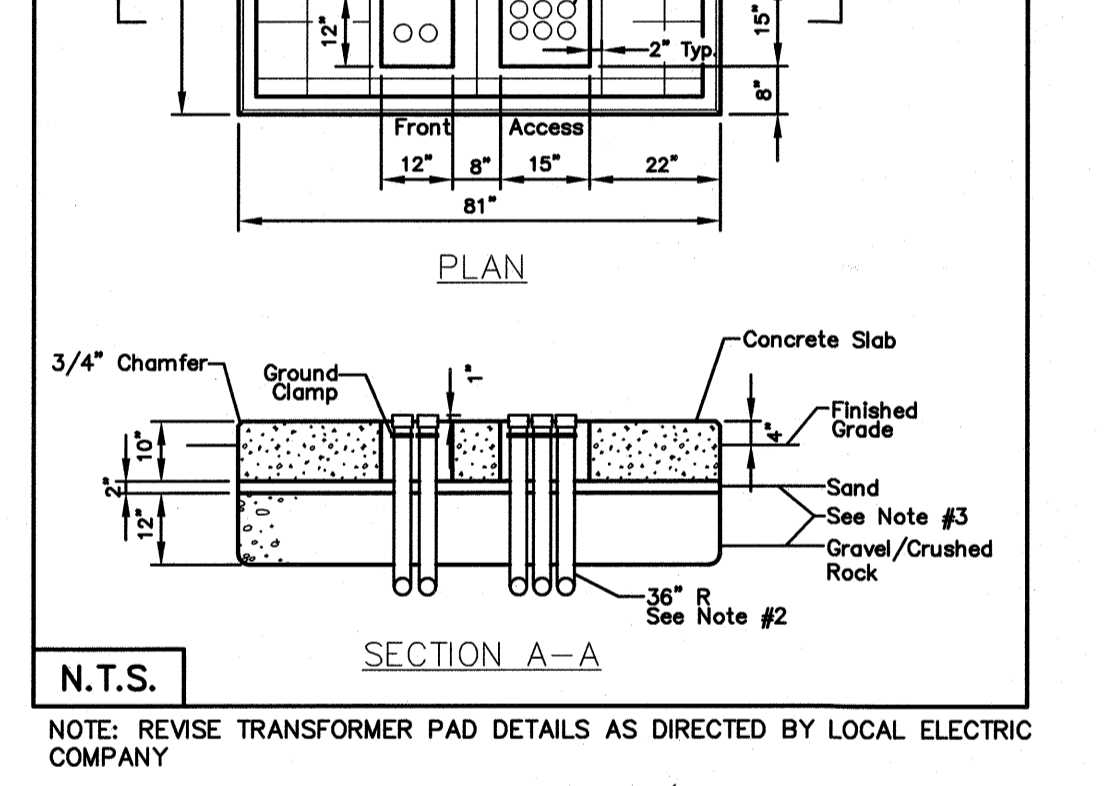
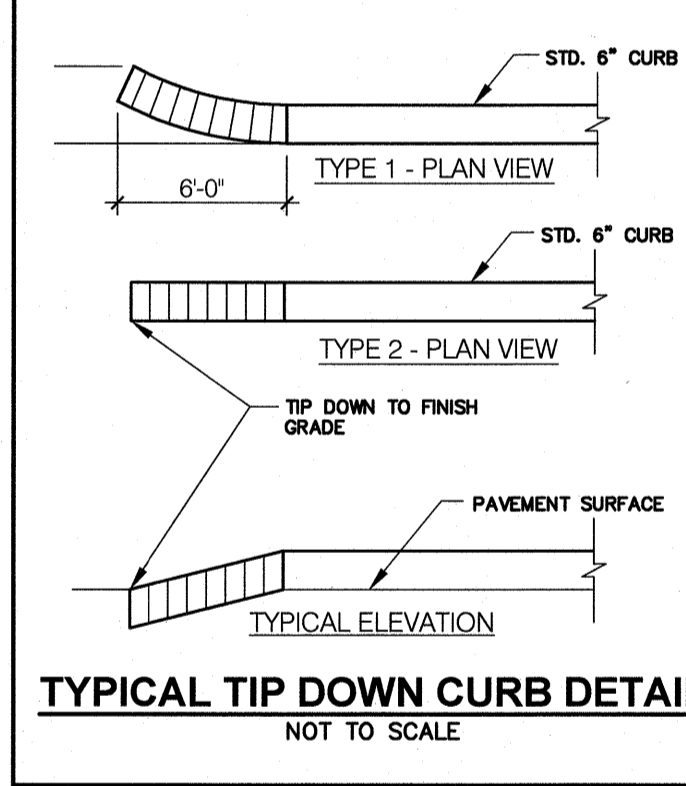
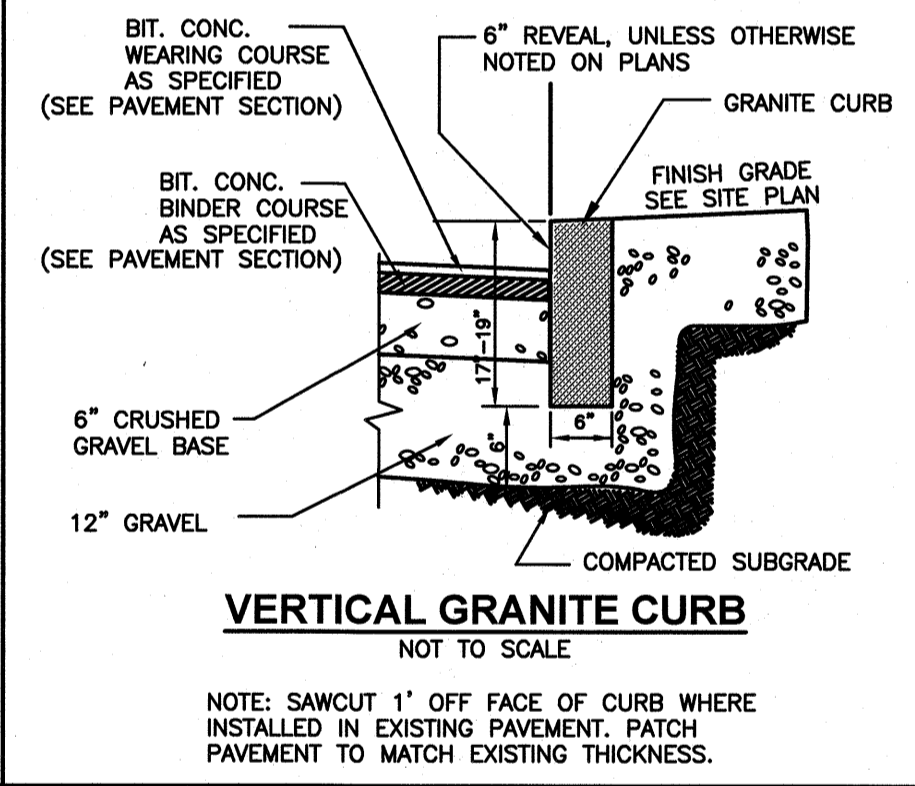
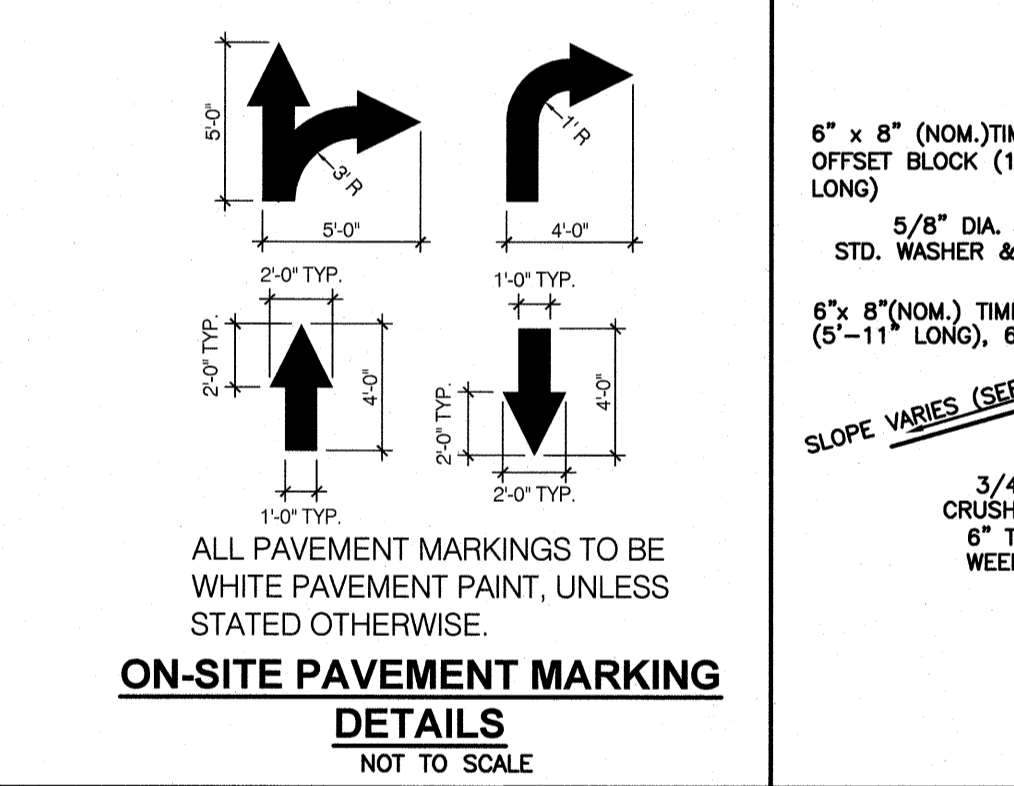
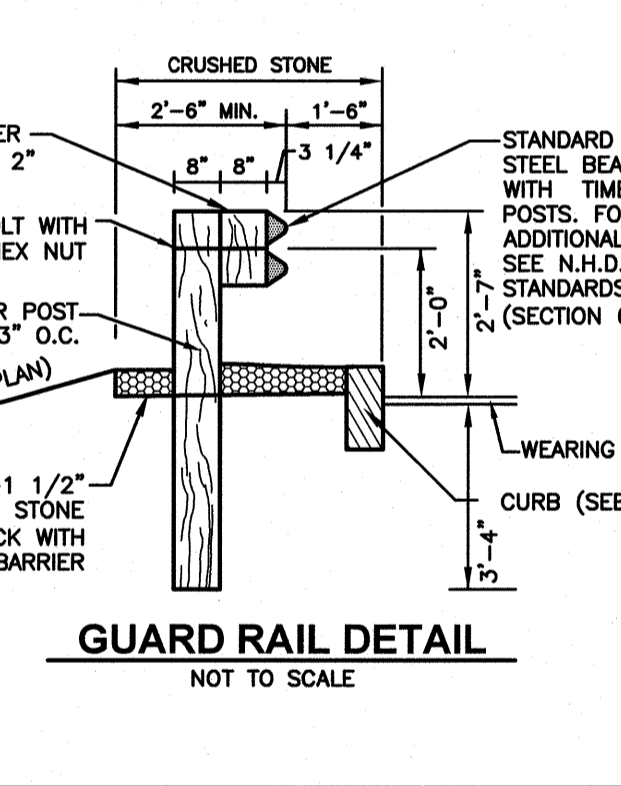
REVISIONS		
NO.	REV. PER CITY COMMENTS	DATE
1		3/22/22

JANUARY 26, 2022
 DRAWN/DESIGN BY: CCC/NID
 CHECKED BY: DRJ

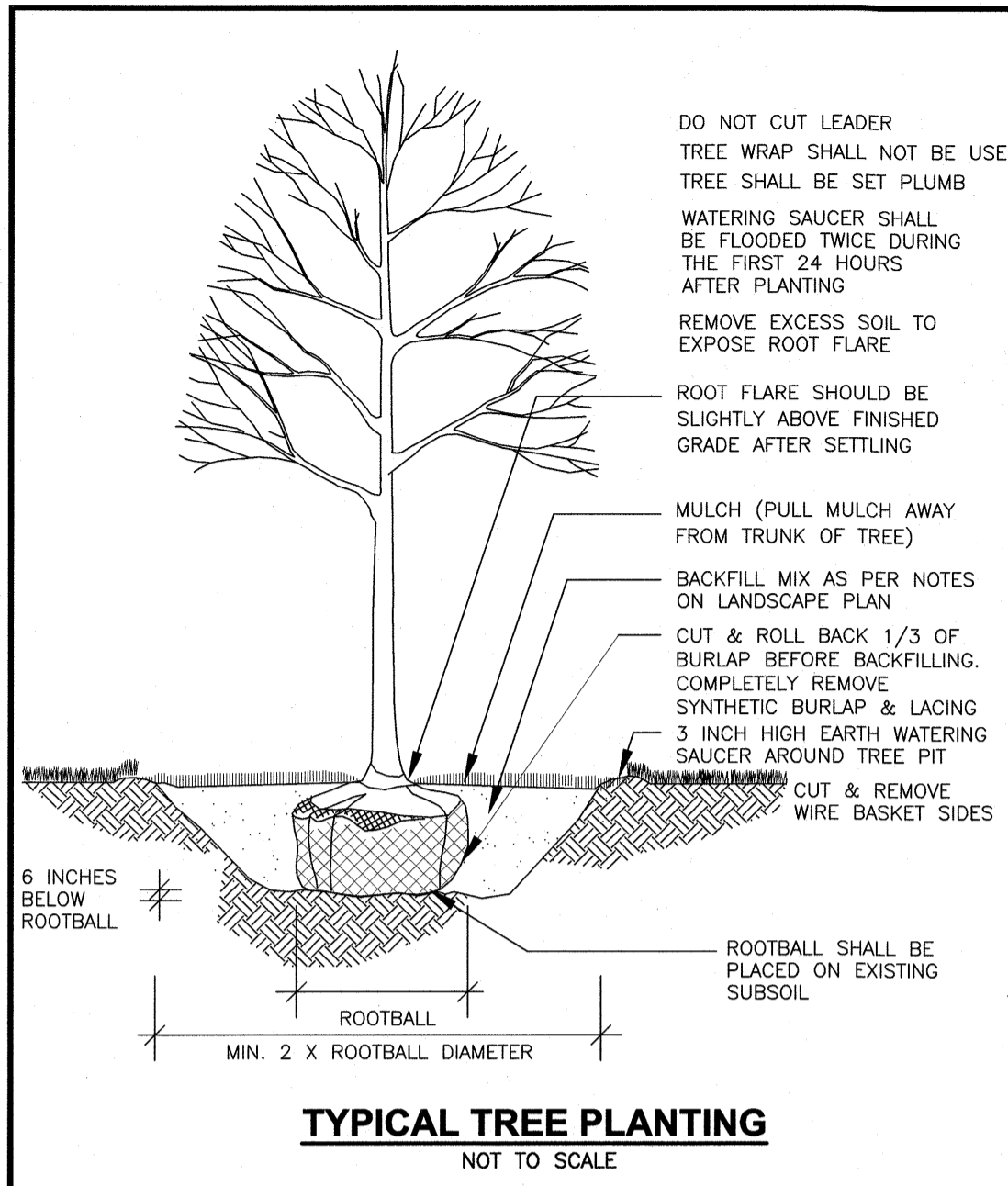


TRANSFORMER PAD NOTES

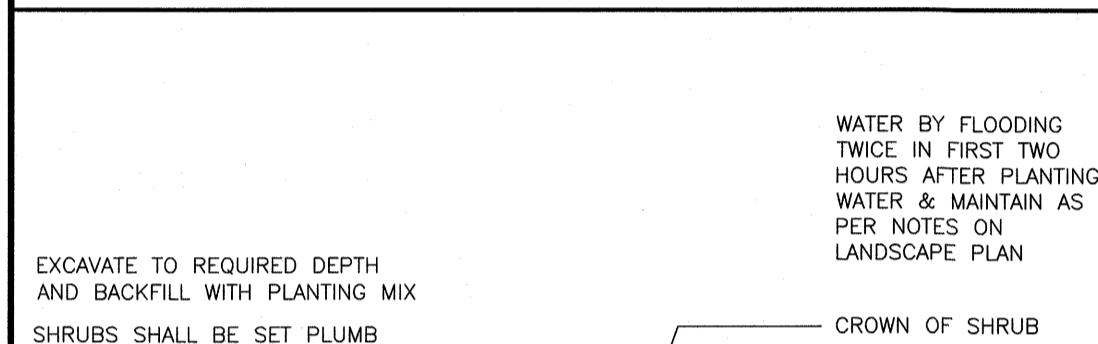
- THIS STANDARD COVERS SPECIFICATIONS FOR THE CONSTRUCTION OF A CONCRETE FOUNDATION FOR PAD-MOUNTED TRANSFORMER.
- INSTALL CONDUIT AS SHOWN BEFORE SLAB IS POURED. USE 3/8" RADIUS BENDS, WITH COUPLINGS, NIPPLES AND BUSHINGS AS REQUIRED. BENDS FOR PRIMARY CABLES SHALL BE GALVANIZED STEEL. TERMINATIONS OF CONDUITS SHALL BE LOCATED AS SHOWN IN SECTION A-A. THE NIPPLE AND BUSHING SHALL BE INSTALLED AFTER THE TRANSFORMER IS PLACED AND BEFORE THE CABLES ARE PULLED.
- GRAVEL AND SAND SHALL BE PLACED AS SHOWN IN SECTION A-A; THE GRAVEL BEING COMPACTED AND THE SAND THOROUGHLY WETTED JUST BEFORE PLACING THE CONCRETE.
- CONCRETE TO CONFORM TO GS 0211 OF LATEST DATE, (MIX M-4) FOR READY MIX CONCRETE. ALL EXPOSED EDGES TO HAVE A 3/4" CHAMFER.
- REINFORCING TO BE #4 GRADE 60 BARS AND SHALL CONFORM TO ASTM STANDARD A-615 OF LATEST DATE. REINFORCING ROD TO BE LOCATED IN CENTER OF THE SLAB, WITH A MINIMUM OF 2" CLEARANCE FROM FACE OF CONCRETE.
- GROUND GRID TO BE INSTALLED AS PER GS 2586.



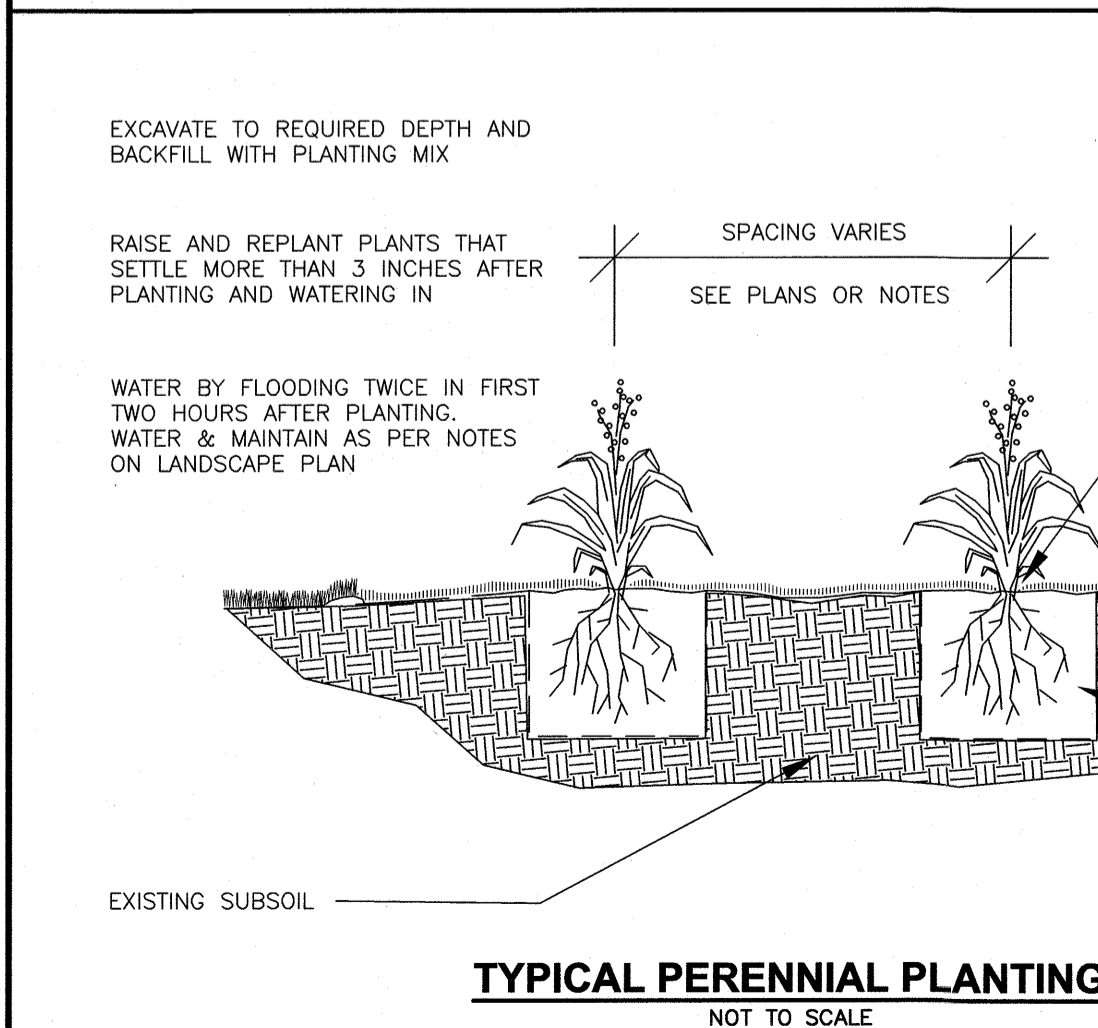
F:\Projects\NEX-2021163 - Portsmouth, NH - OSC\CAD Files\21163_DET.dwg DET-1 4/19/22 4:36pm cmason



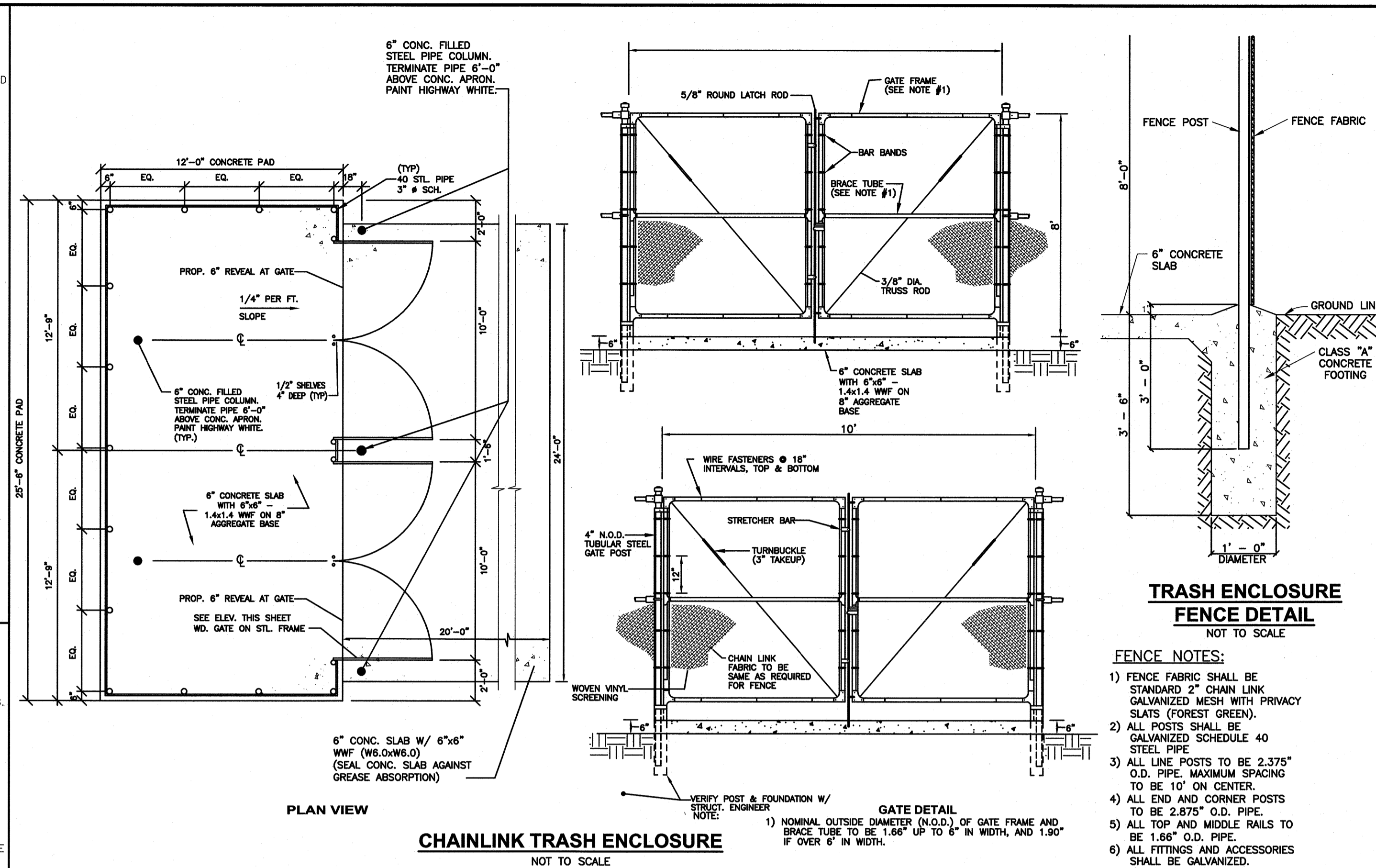
TYPICAL TREE PLANTING
NOT TO SCALE



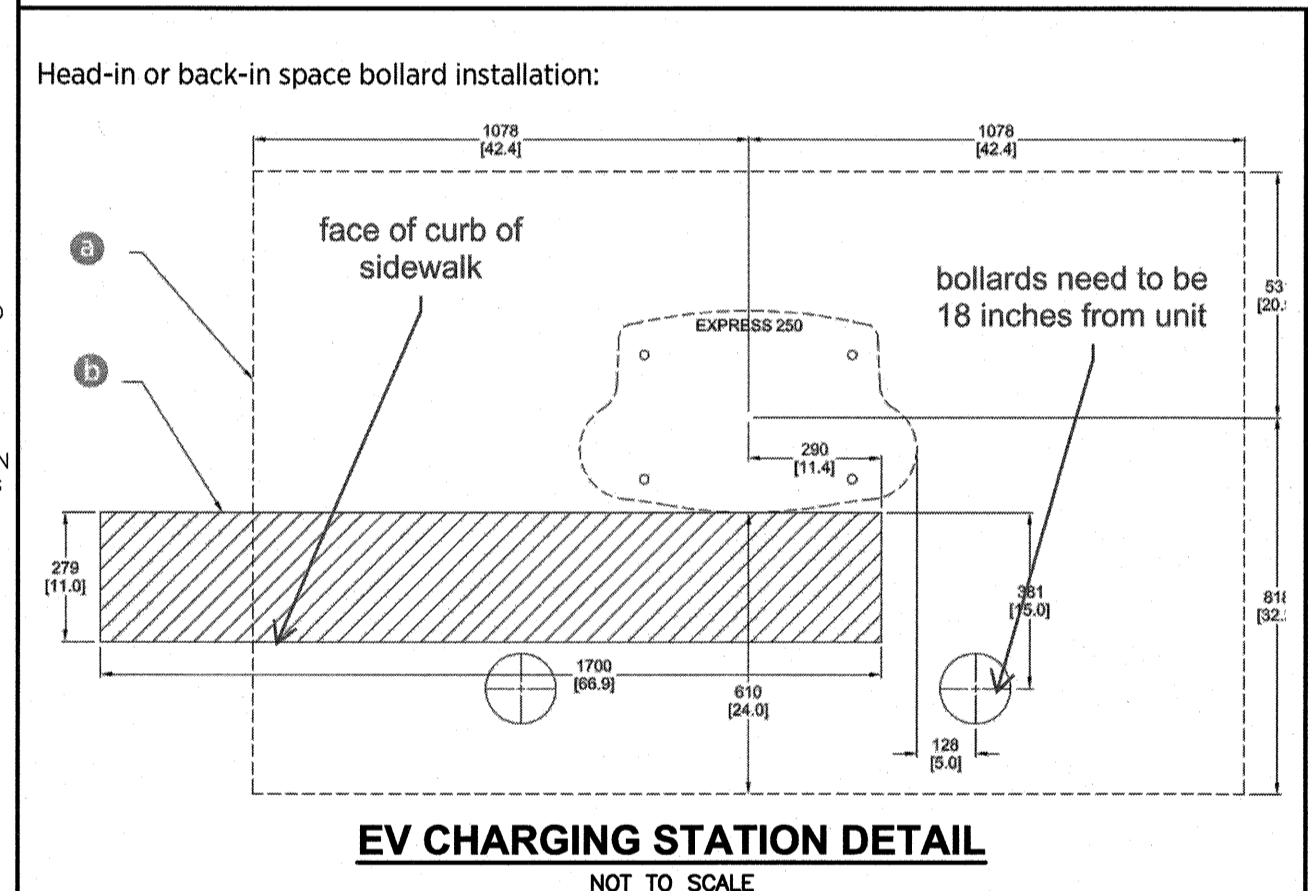
TYPICAL SHRUB PLANTING
NOT TO SCALE



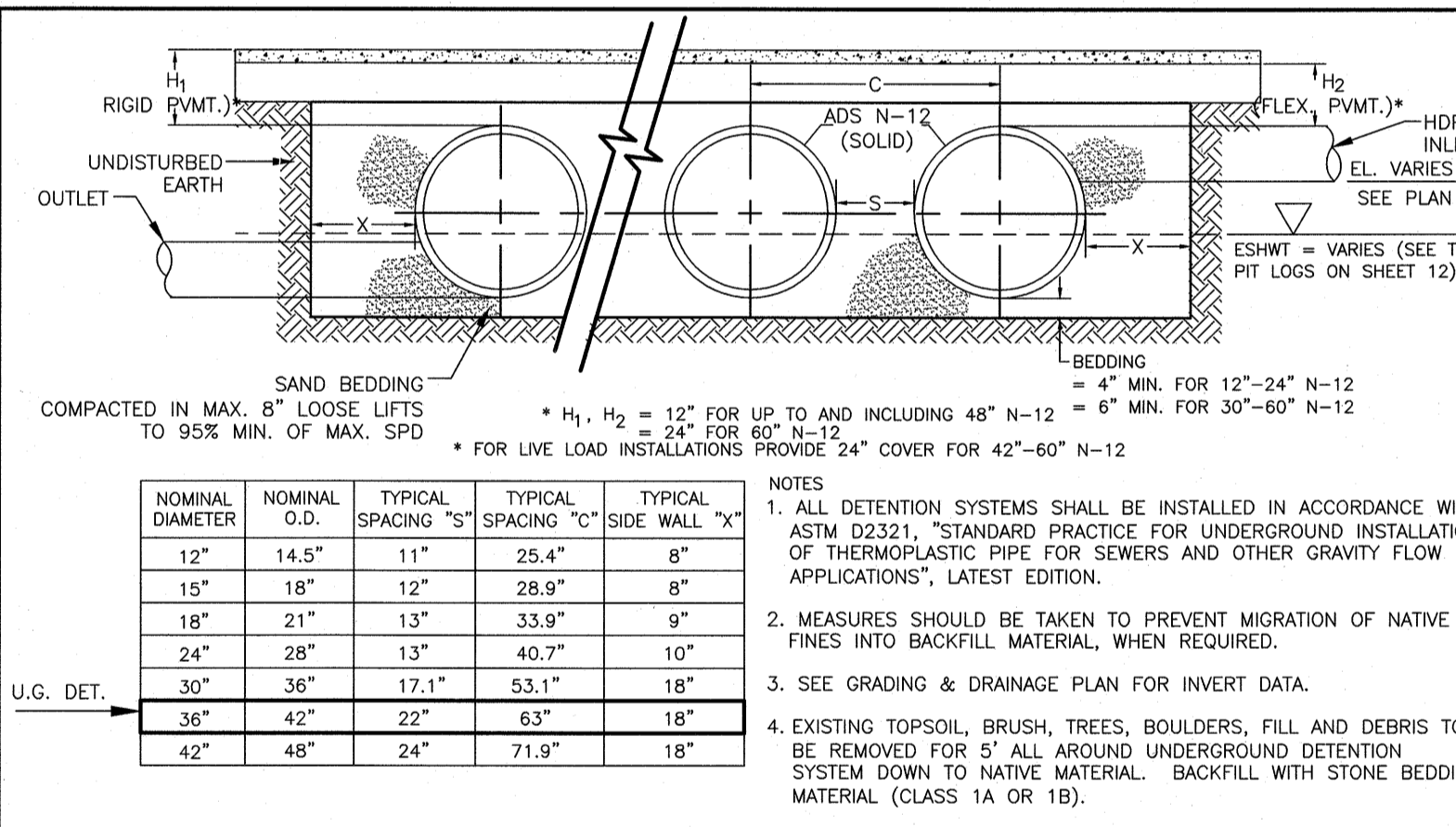
TYPICAL PERENNIAL PLANTING
NOT TO SCALE



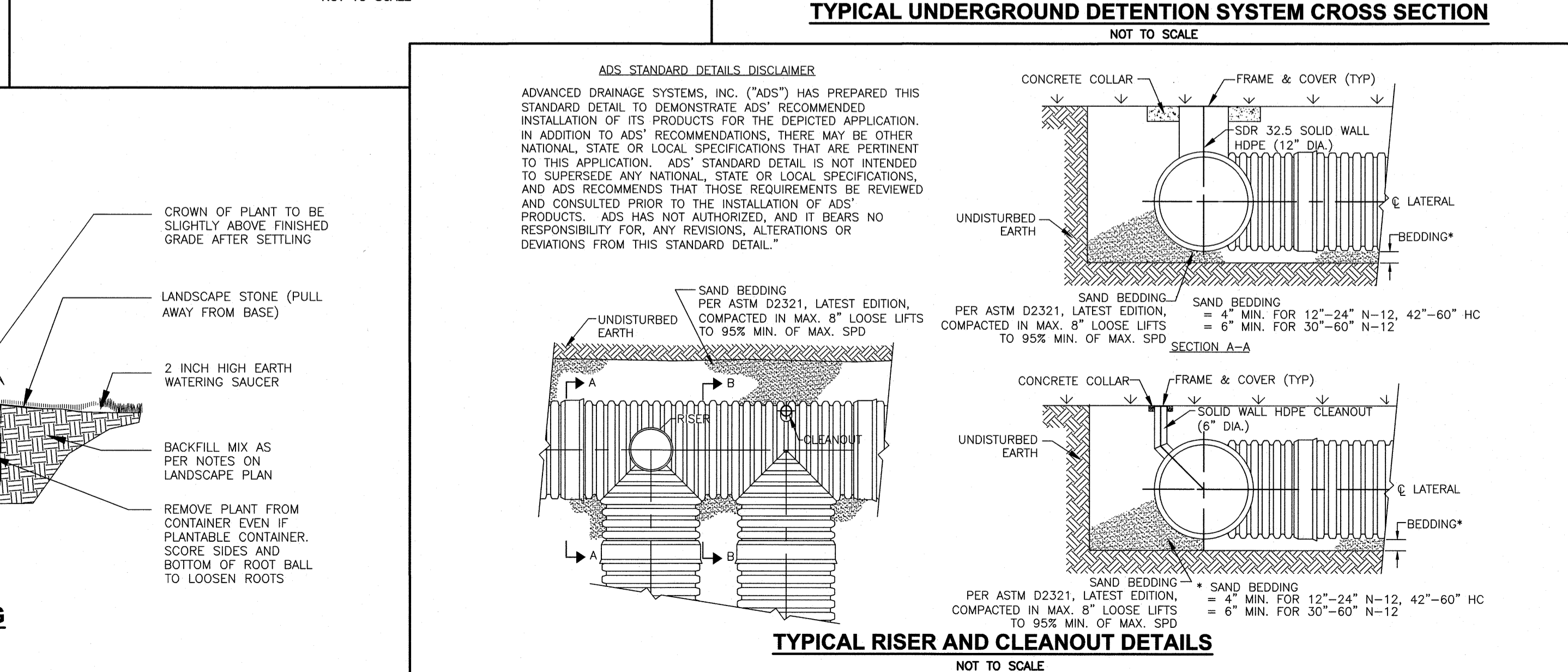
CHAINLINK TRASH ENCLOSURE
NOT TO SCALE



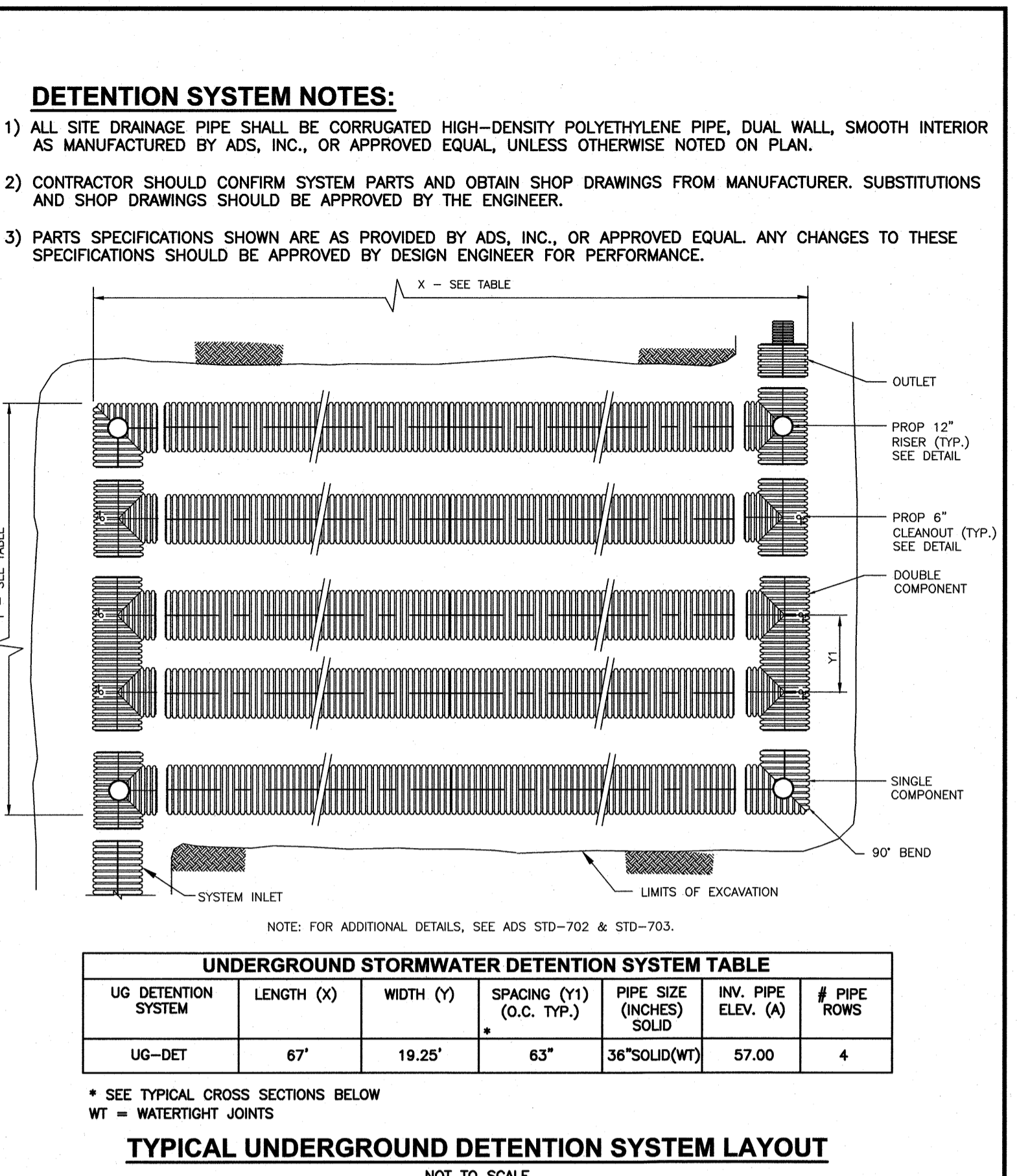
EV CHARGING STATION DETAIL
NOT TO SCALE



TYPICAL UNDERGROUND DETENTION SYSTEM CROSS SECTION
NOT TO SCALE



TYPICAL RISER AND CLEANOUT DETAILS
NOT TO SCALE



TYPICAL UNDERGROUND DETENTION SYSTEM LAYOUT
NOT TO SCALE

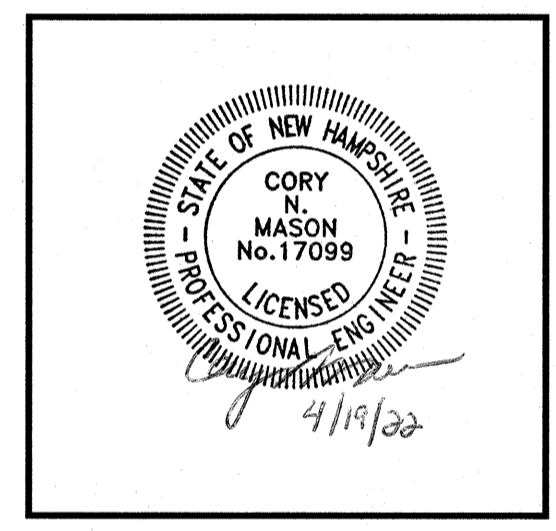
Table 5-2
Classes of Embedment and Backfill Materials

ASTM D2321 Class	Description	ASTM D2427 Description	AASHTO M443 Notation	Min. Compaction Required (ASTM D1557)	Percentage Passing Sieve Sizes			Restrictions		Coefficients
					1/2 in. (12.5mm)	No. 4 (4.75mm)	No. 200 (0.075mm)	LL	PI	
IA*	Open-graded clean manufactured aggregates	Angular crushed stone or rock, crushed slag, large voids with 10% fines	6	Dumped to Slits	100%	≥10%	≤5%	Non Plastic		N/A
IB	Close-graded clean manufactured processed aggregates	Angular crushed stone or other Class II material and equivalent materials with gradations selected to minimize segregation of adjacent soils; little or no fines	6	Dumped to Slits	100%	≥20%	≤5%	Non Plastic		N/A
II	Clean coarse-grained sand	Well-graded gravel, gravel-sand mixtures; little or no fines	6	Moderate (85%)	100%	≥50%	≤5%	Non Plastic	≤4	1 to 3
	Clean coarse-grained sand	Well-graded sands, gravel-sand mixtures; little or no fines	6	Moderate (85%)	100%	≥50%	≤5%	Non Plastic	≤4	1 to 3
	Clean coarse-grained sand	Well-graded sands, gravel-sand mixtures; little or no fines	6	Moderate (85%)	100%	≥50%	≤5%	Non Plastic	≤4	1 to 3
III	Coarse-grained soil with fines	Sands and gravels which are borderline between clean and with fines	6	Moderate to High (90%)	100%	12% to 20%	≤5%	Non Plastic	Same as for GW, GP, SP and S*	
IV*	Nonorganic fine-grained soils	Inorganic silts and very fine sands, rock flour, silty clayey fine sands, silty clay, silty clayey shales, silty shales, clayey shales, silty shales, silty clay, silty clayey shales, silty shales, clayey shales, silty shales, clayey shales	6	N/R	100%	100%	≤50%	≤60	≤2	Line
	Organic silts and organic silty clays of low plasticity	Organic silts and organic silty clays of low plasticity	6	N/R	100%	100%	≤50%	≤60	≤2	Line
V	Organic silts and organic silty clays of high plasticity	Organic silts and organic silty clays of high plasticity	6	N/R	100%	100%	≤50%	≤60	≤2	Line
	Frost and other high organic soils	Frost and other high organic soils	6	N/A				≤60	≤2	Line

Notes:
1) Refer to ASTM D2321 for more complete soil descriptions.
2) Class IVa material has limited applications and can be difficult to place and compact; use ONLY with the approval of a soil expert. Contact ADS for additional information regarding suitability of this backfill material.
3) N/R indicates that use of this material and/or compaction level is not recommended by ASTM D2321 for the backfill envelope.
4) When using open-graded material, additional precaution must be taken to reduce or eliminate the risk of migration of fines from adjacent material. Refer to ASTM D2321 for more complete information.

PREPARED FOR
GRANITE STATE CONVENIENCE, LLC
25 SPRINGER ROAD
HOOKSETT, NH

PROPOSED RETAIL MOTOR FUEL OUTLET
2255 LAFAYETTE ROAD
PORTSMOUTH, NH 03801



REVISIONS

NO.	REVISION	DATE

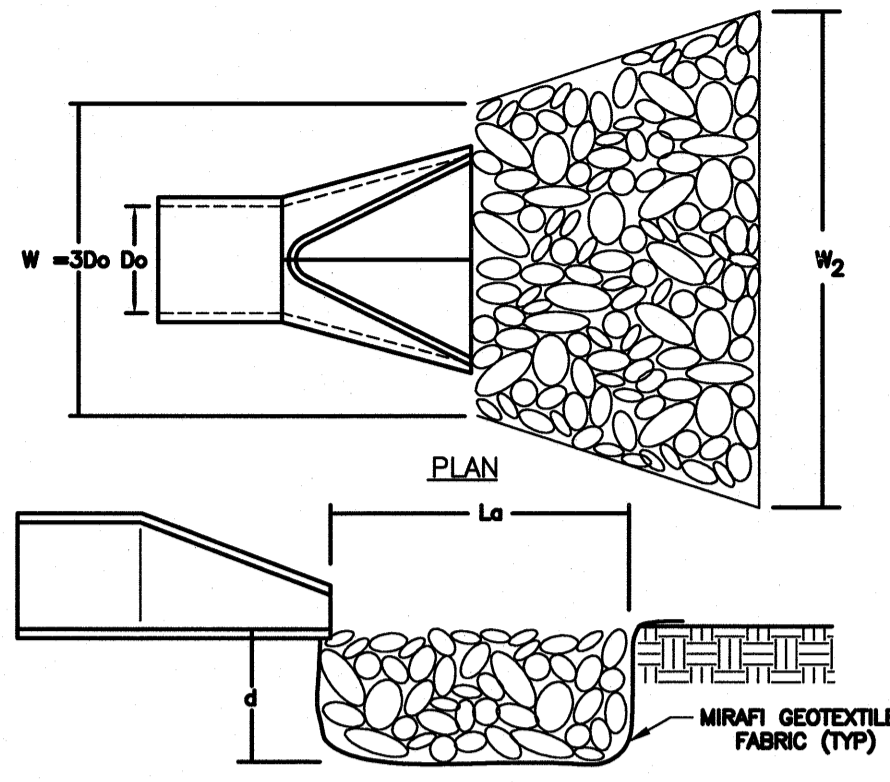
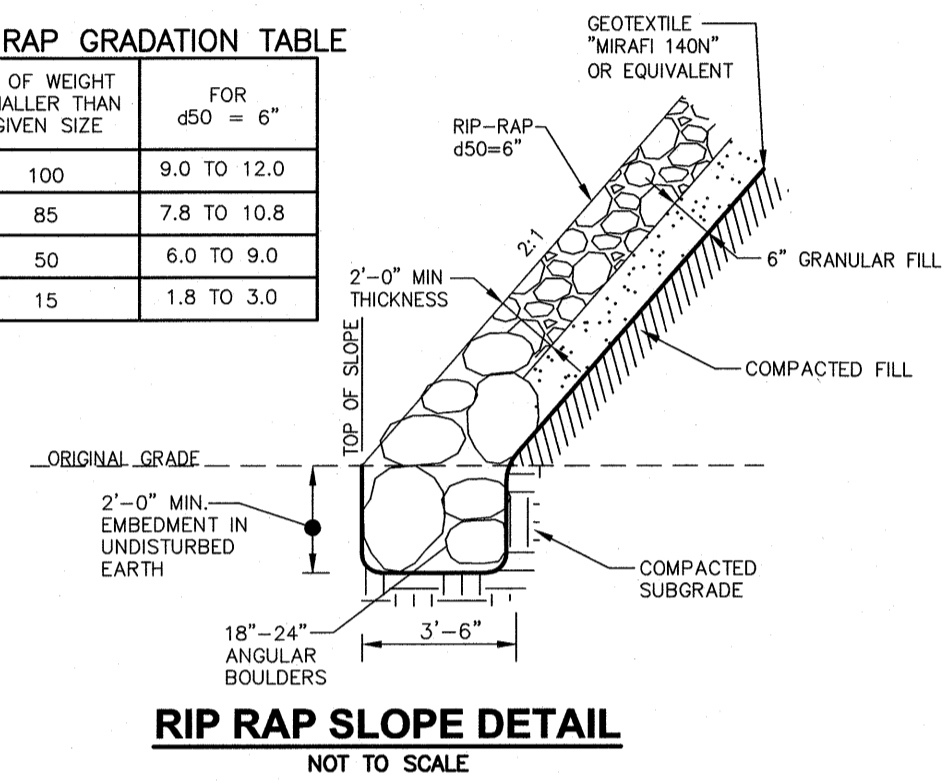
JANUARY 26, 2022
DRAWN/DESIGN BY: CCC/NID
CHECKED BY: DRJ

DETAIL SHEET
SCALE: NOT TO SCALE
PROJECT NO.: NEX-2021163
10 OF 15

F:\Projects\NEX-2021163 - Portsmouth, NH - GC\CAD Files\21163_DET.dwg DET-2 4/19/22 4:14pm ccc

RIP RAP GRADATION TABLE

% OF WEIGHT SMALLER THAN GIVEN SIZE	FOR $d_{50} = 6"$
100	9.0 TO 12.0
85	7.8 TO 10.8
50	6.0 TO 9.0
15	1.8 TO 3.0



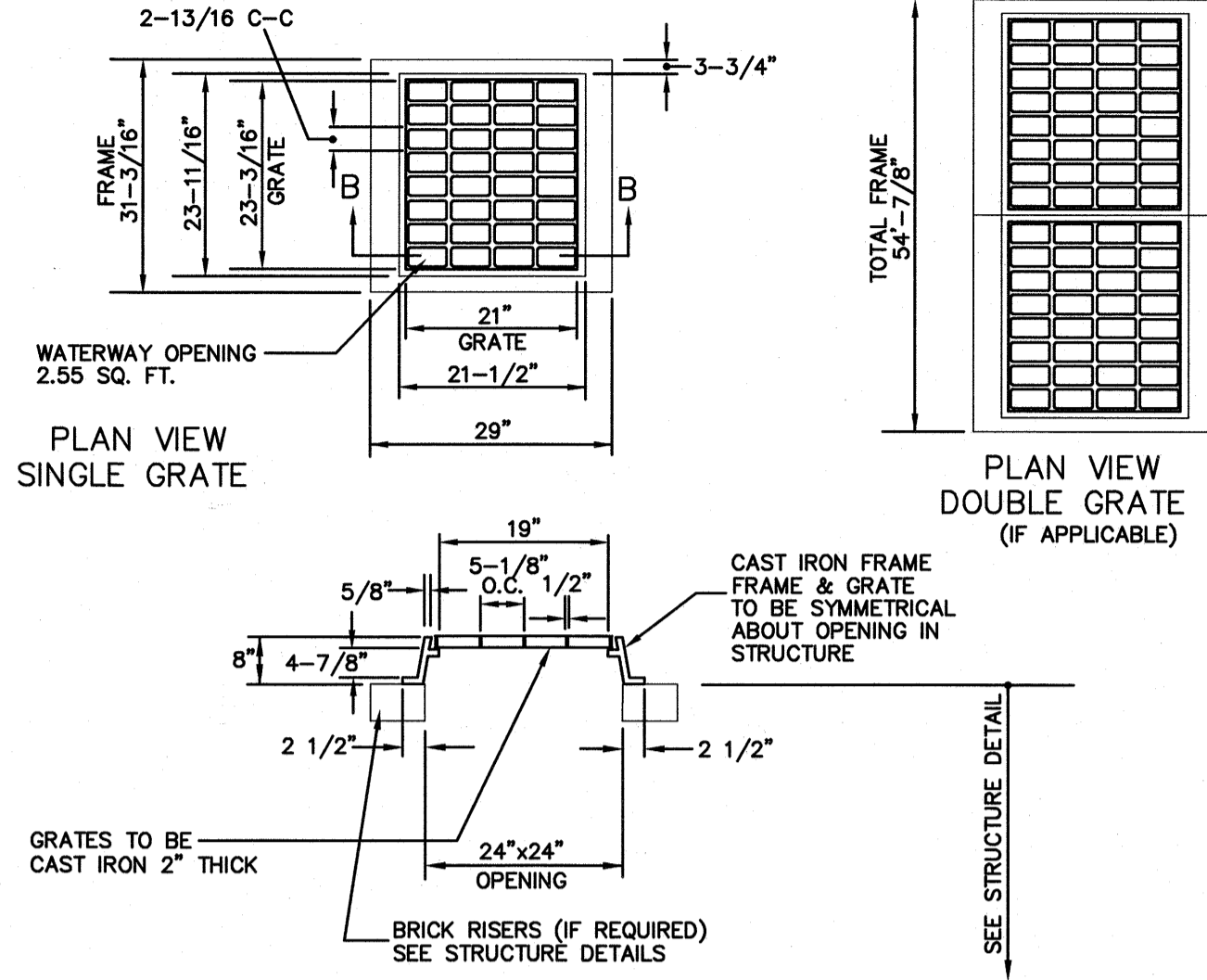
OUTLET	D_o	L_a	W_1	W_2	d_{50}	d
FES-1	18"	26'	4.5'	15'	4"	10"

ROCK RIP-RAP GRADATION

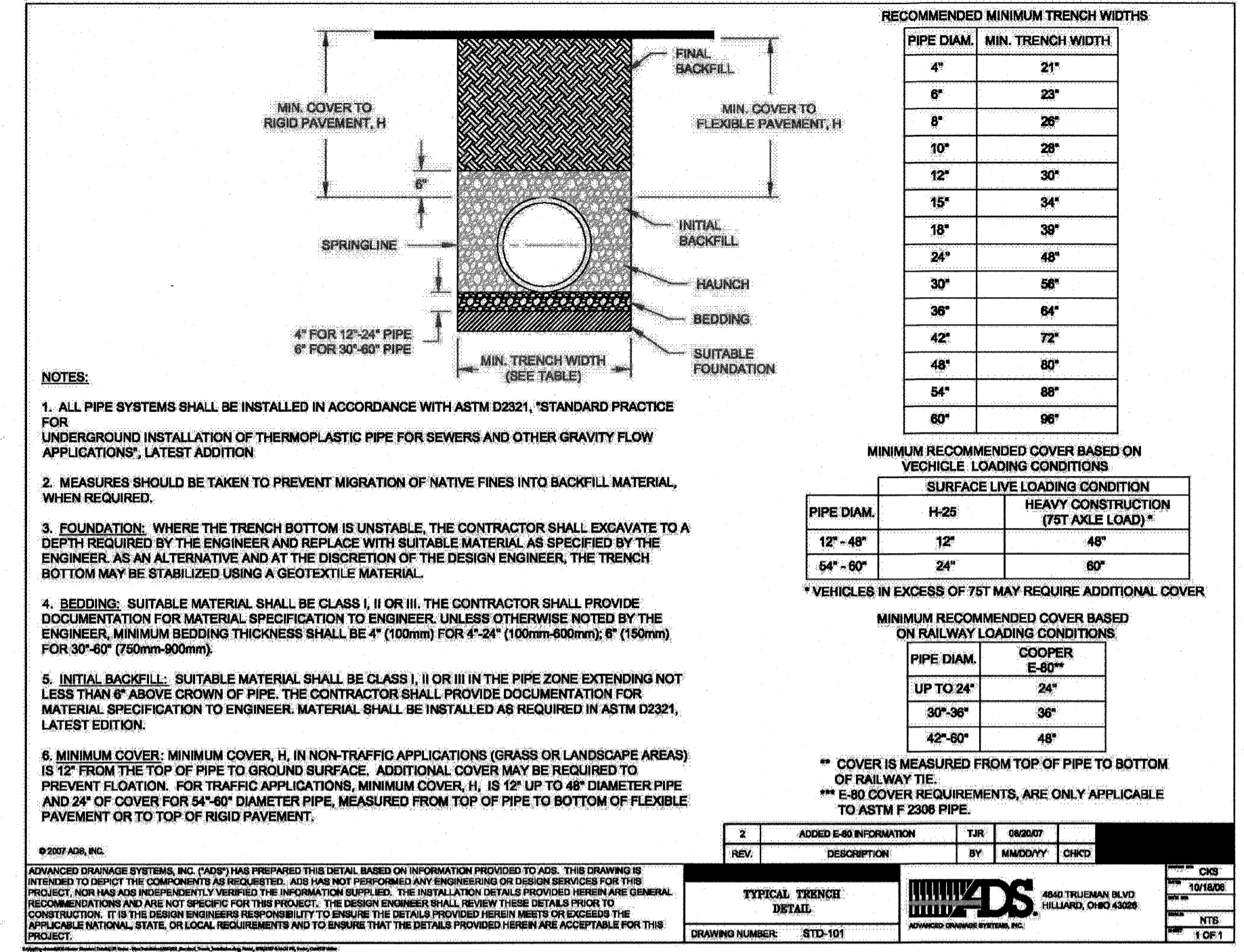
% OF WEIGHT SMALLER THAN THE GIVEN SIZE	SIZE OF STONE IN INCHES
100	4.5 TO 6.0
85	3.9 TO 5.4
50	3.0 TO 4.5
15	0.9 TO 1.5

- ### CONSTRUCTION NOTES:
1. THE SUBGRADE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC, AND RIP-RAP SHALL BE PREPARED TO THE LINES AND GRADES SHOWN ON THE PLAN.
 2. THE ROCK OR GRAVEL USED FOR FILTER OR RIP-RAP SHALL CONFORM TO THE SPECIFIED GRADATION.
 3. GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK RIP-RAP. DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR REPAIRS OR JOINING TWO PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHES.
 4. STONE FOR THE RIP-RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.
 5. THE MEDIAN STONE DIAMETER FOR THE RIP-RAP APPROX IS 60 PERCENT BY WEIGHT OF THE RIP-RAP MIXTURE SHALL BE SMALLER THAN THE MEDIAN STONE SIZE. THE LARGEST STONE SIZE IN THE MIXTURE SHALL BE 1.5 d_{50} .

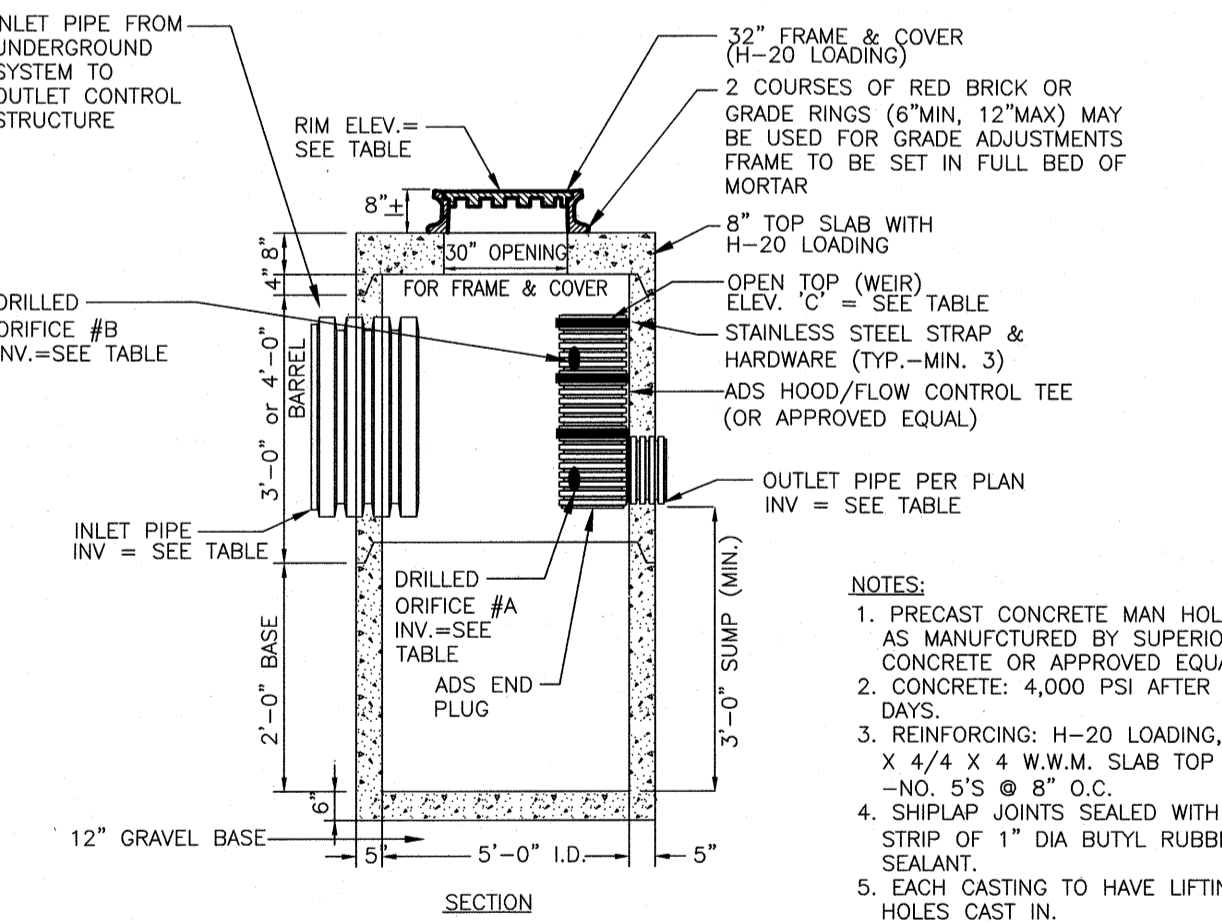
OUTLET PROTECTION-FLAT DETAIL
NOT TO SCALE



SECTION B-B
FRAME AND GRATE - TYPE B
NOT TO SCALE



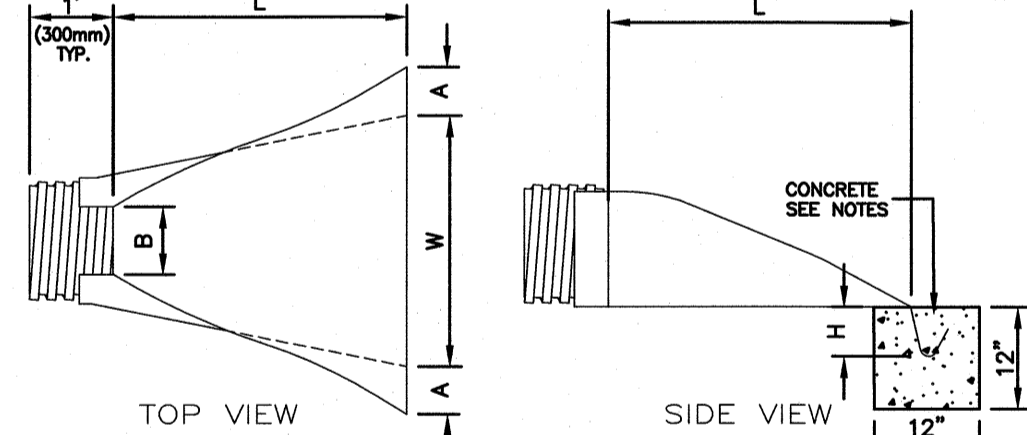
HDPE PIPE TRENCH
NOT TO SCALE



OUTLET CONTROL STRUCTURE TABLE

OCS	RIM	ORIFICE SIZE (IN.)	ELEV.	INV.IN (SIZE)	INV.IN (ELEV)	INV.OUT (SIZE)	INV.OUT (ELEV)
#1	63.70	A 5" DIA. x3	57.00	24"	57.00	18"	57.00
		B 5" DIA. x2	57.50				
		C 18" DIA.	59.00				

PRECAST CONCRETE OUTLET CONTROL STRUCTURE (OCS) FOR UNDERGROUND SYSTEMS
NOT TO SCALE

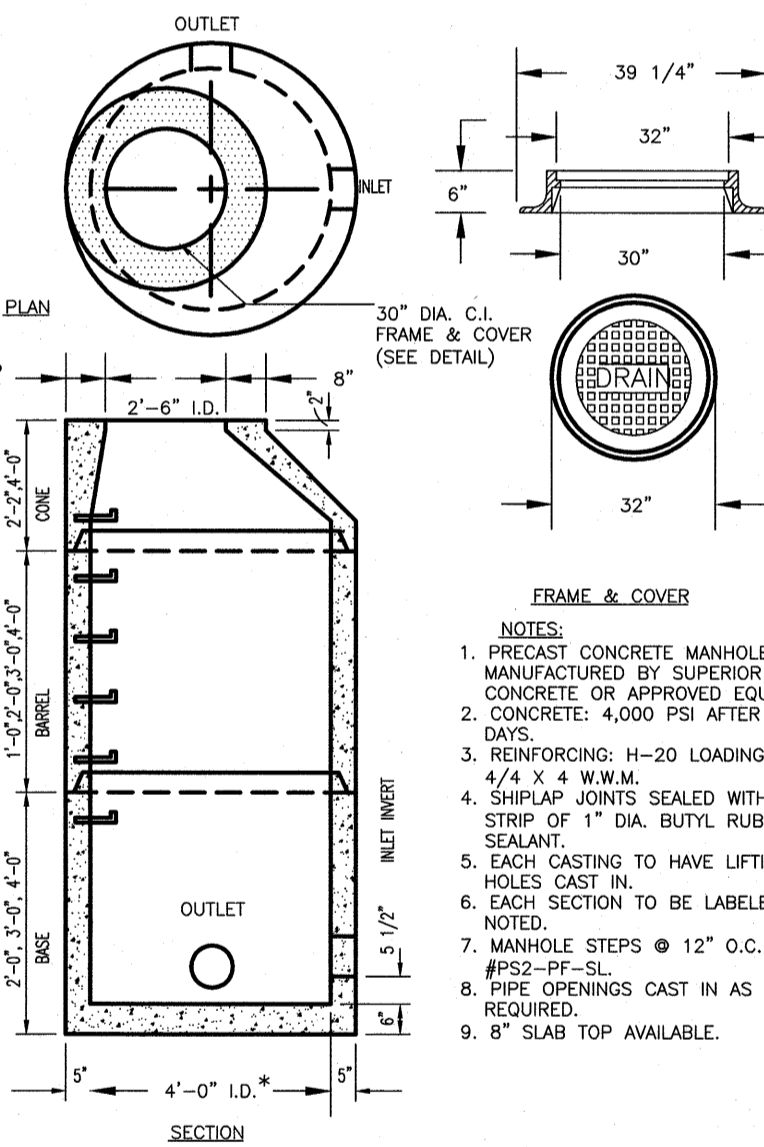


DIMENSIONS, INCHES (mm)

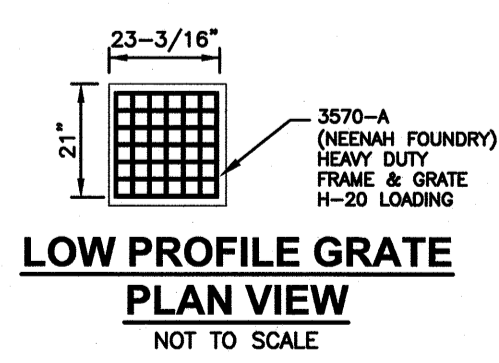
PIPE DIAMETER	PART NO.	A ± 1 (25)	B MAX	C ± 1 (25)	L $\pm 1/2$ (13)	W ± 2 (50)
12" (300.375)	1210 NP	6.5 (165)	10 (254)	6.5 (165)	25 (635)	29 (736)
18" (450)	1810 NP	7.5 (190)	15 (380)	6.5 (165)	32 (812)	35 (890)
24" (600)	2410 NP	7.5 (190)	18 (450)	6.5 (165)	36 (900)	45 (1140)
30" (750)	3010 NP	10.5 (268)	NA	7.0 (178)	53 (1346)	68 (1725)
36" (900)	3610 NP	10.5 (268)	NA	7.0 (178)	53 (1346)	68 (1725)

- ### CONSTRUCTION SPECIFICATIONS:
- PREPARE BEDDING:
BACKFILL MATERIAL AROUND THE END SECTION MAY BE THE SAME AS THE MATERIAL AROUND THE PIPE. PLACE A FEW INCHES OF BACKFILL MATERIAL IN THE TRENCH OR DITCH WHERE THE END SECTION WILL BE PLACED. COMPACT AND CONTAIN THIS BEDDING MATERIAL TO GENERALLY MATCH THE END SECTION. EXCAVATE AN AREA IN THE BEDDING WHERE THE TROUGH WILL SEAT SO THAT THE END SECTION WILL BE LEVEL WITH THE BOTTOM OF THE TRENCH OR DITCH IN THE FINISHED INSTALLATION.
- PLACE END SECTION OF PIPE:
OPEN THE END SECTION COLLAR AND SEAT IT OVER THE TWO PIPE CONNECTIONS. ONCE THE END SECTION IS POSITIONED, CHECK TO MAKE SURE THAT THE INVERT OF THE END SECTION MATCHES THE INVERT OF THE PIPE AND THAT THE END SECTION IS LEVEL WITH THE TRENCH OR DITCH BOTTOM.
- SECURE THE END SECTION:
SLIP THE STAINLESS STEEL ROD THROUGH THE PRE-DRILLED HOLES AT THE TOP OF THE COLLAR. THE ROD SHOULD BE BETWEEN THE CROWNS OF THE TWO PIPE CONNECTIONS. PLACE A WASHER ON EITHER END OF THE ROD. PLACE A NUT ON EITHER END OF THE ROD AND TIGHTEN WITH A WRENCH.
- SECURE THE TOE TROUGH:
TO PREVENT WASHOUTS FROM HIGH VELOCITY FLOW, IT IS RECOMMENDED THAT THE TROUGH BE SECURED WITH CONCRETE. POUR CONCRETE IN THE TROUGH UP TO THE LEVEL OF THE TRENCH OR DITCH BOTTOM AND ALONG THE ENTIRE LENGTH OF THE TROUGH.
- FINISH BACKFILL:
SHOVEL BACKFILL AROUND THE END SECTION IN 6 TO 9 INCH LAYERS EQUALLY ON BOTH SIDES, KNIFING IT TO ELIMINATE VOIDS. TAMP WITH A SMALL-FACED COMPACTOR OR OTHER EQUIPMENT SUITABLE FOR SMALL AREAS. CONTINUE PLACING, KNIFING, AND COMPACTING BACKFILL LAYERS TO THE TOP OF THE END SECTION TO SEAT IT WELL INTO THE BACKFILL.

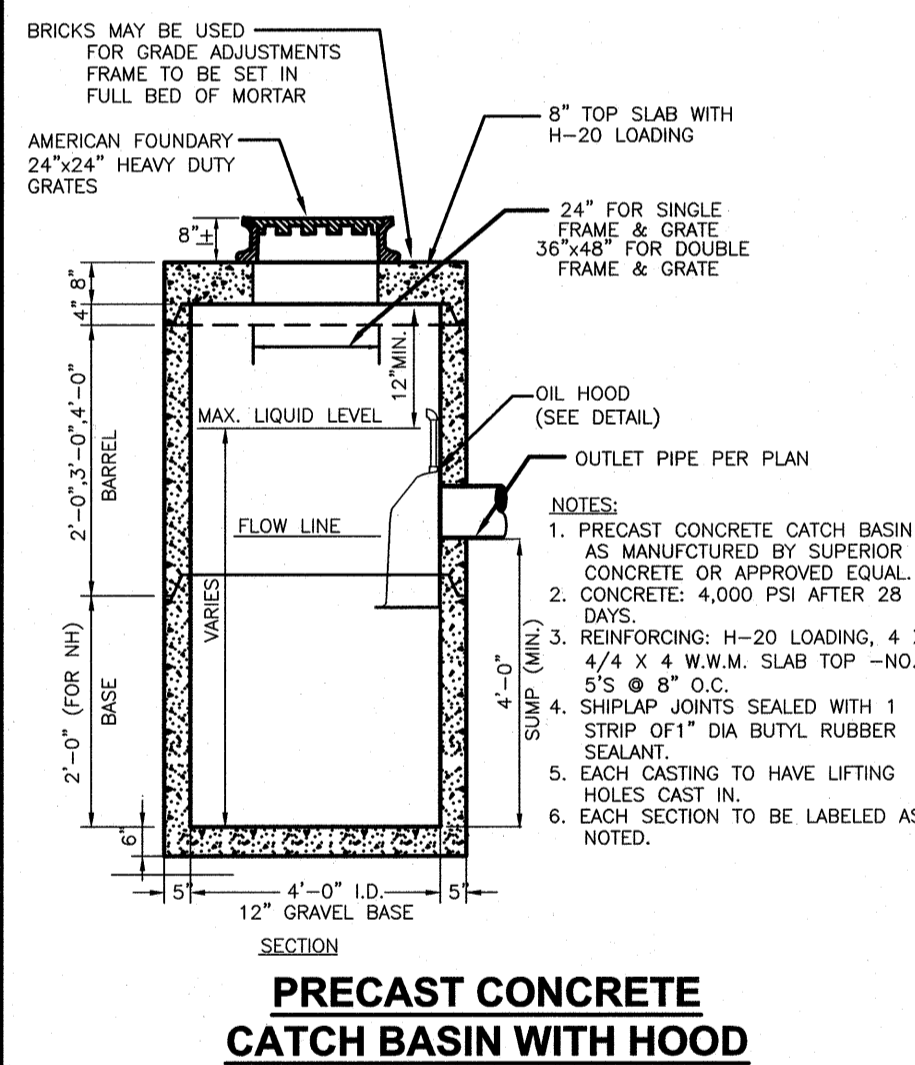
FLARED END SECTION HIGH DENSITY POLYETHYLENE (HDPE)
NOT TO SCALE



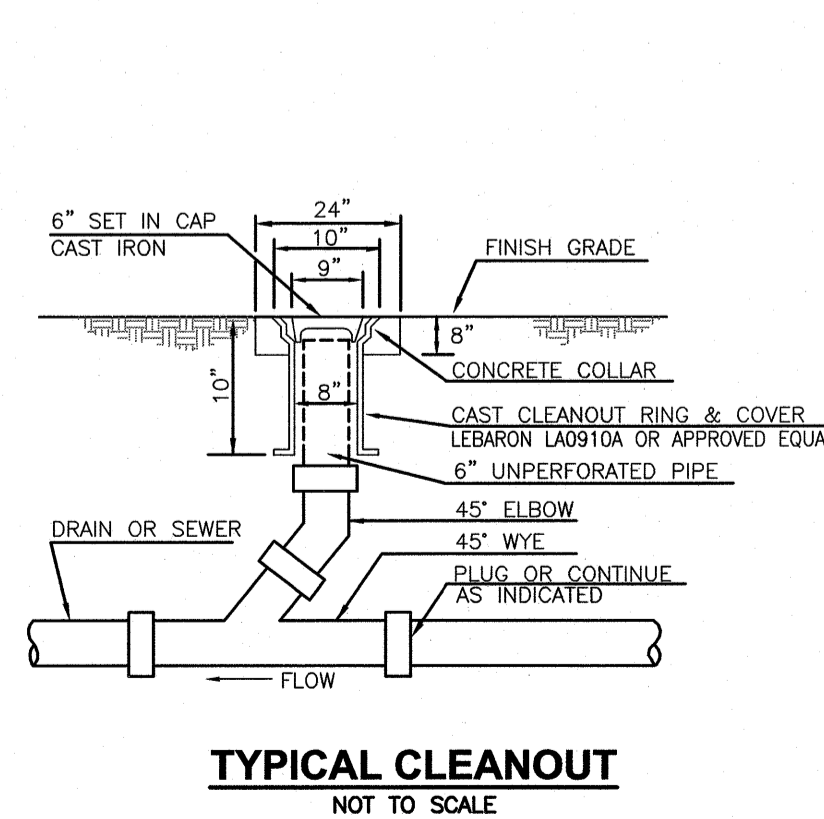
PRECAST CONCRETE DRAIN MANHOLE
MAXIMUM PIPE DIAMETER 30"
NOT TO SCALE



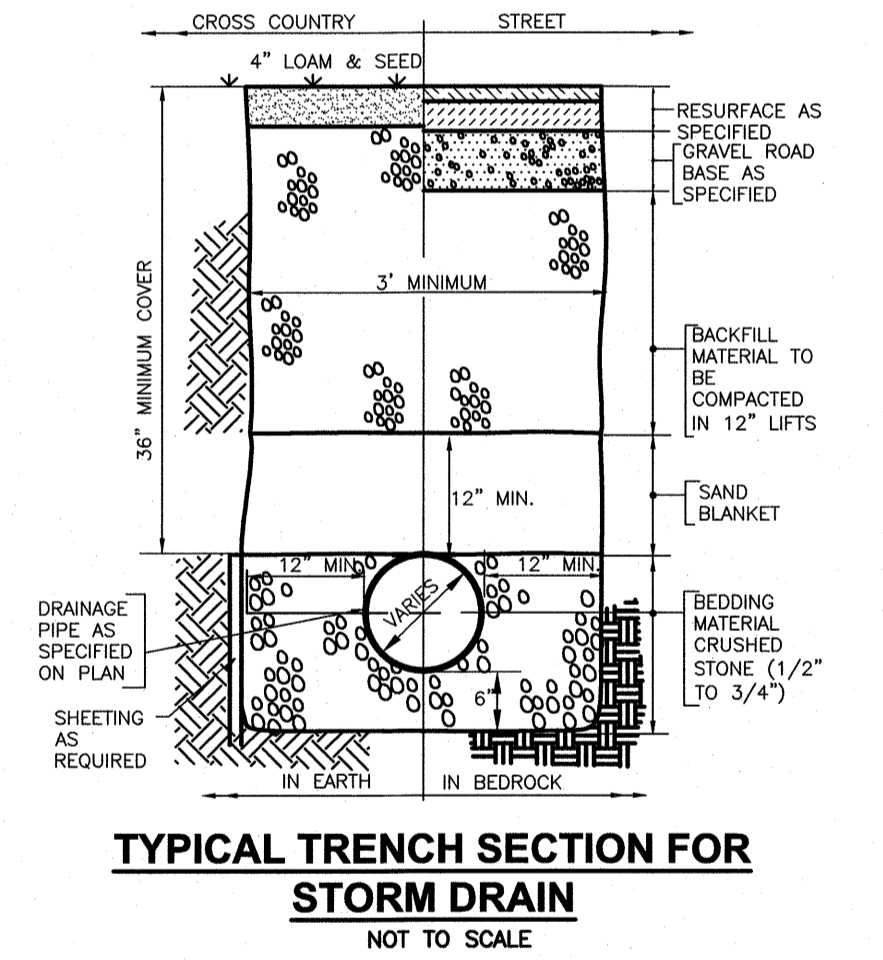
LOW PROFILE GRATE PLAN VIEW
NOT TO SCALE



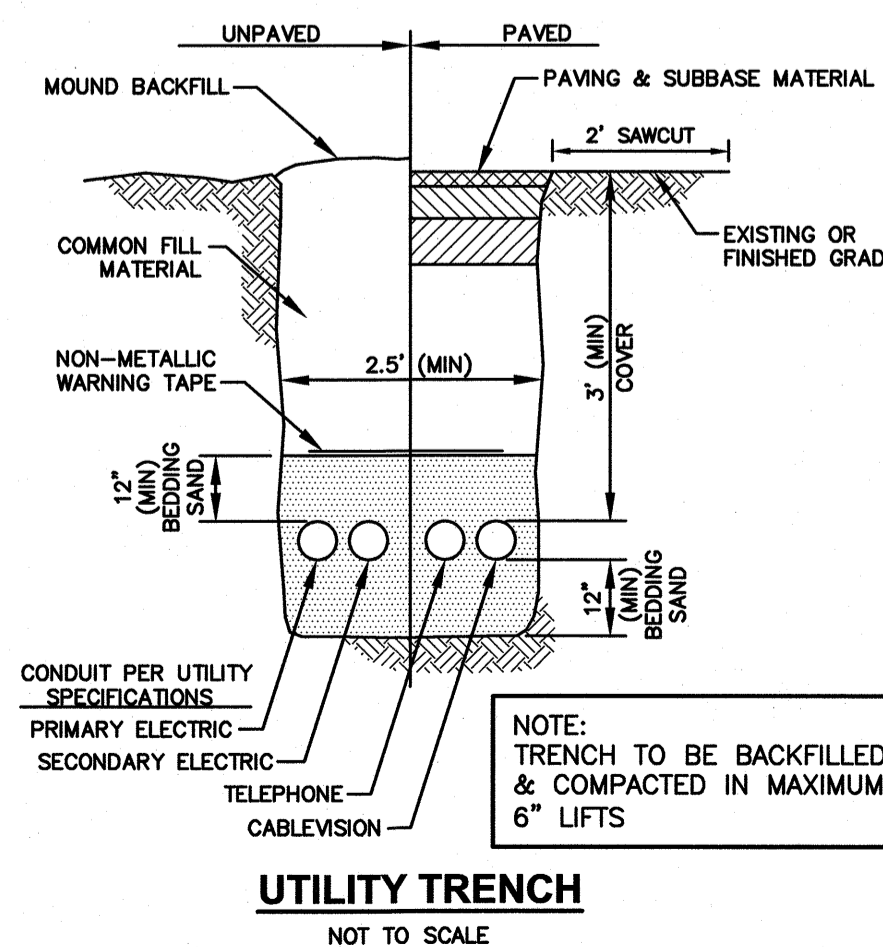
PRECAST CONCRETE CATCH BASIN WITH HOOD
NOT TO SCALE



TYPICAL CLEANOUT
NOT TO SCALE



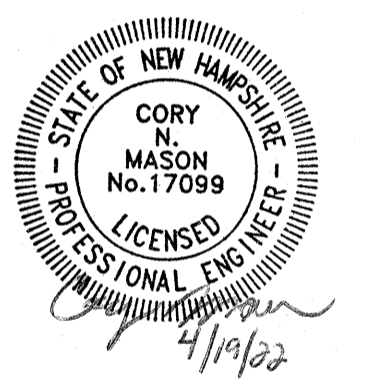
TYPICAL TRENCH SECTION FOR STORM DRAIN
NOT TO SCALE



UTILITY TRENCH
NOT TO SCALE

PREPARED FOR
GRANITE STATE CONVENIENCE, LLC
25 SPRINGER ROAD
HOOKSETT, NH

PROPOSED RETAIL MOTOR FUEL OUTLET
2255 LAFAYETTE ROAD
PORTSMOUTH, NH 03801



REVISIONS

NO.	REVISION	DATE
1	REV. PER CITY COMMENTS	3/22/22

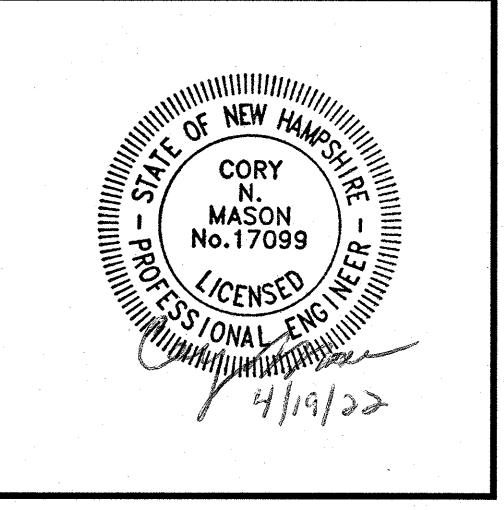
JANUARY 26, 2022

DRAWN/DESIGN BY: CCC/NID
CHECKED BY: DRJ

DETAIL SHEET

SCALE: NOT TO SCALE

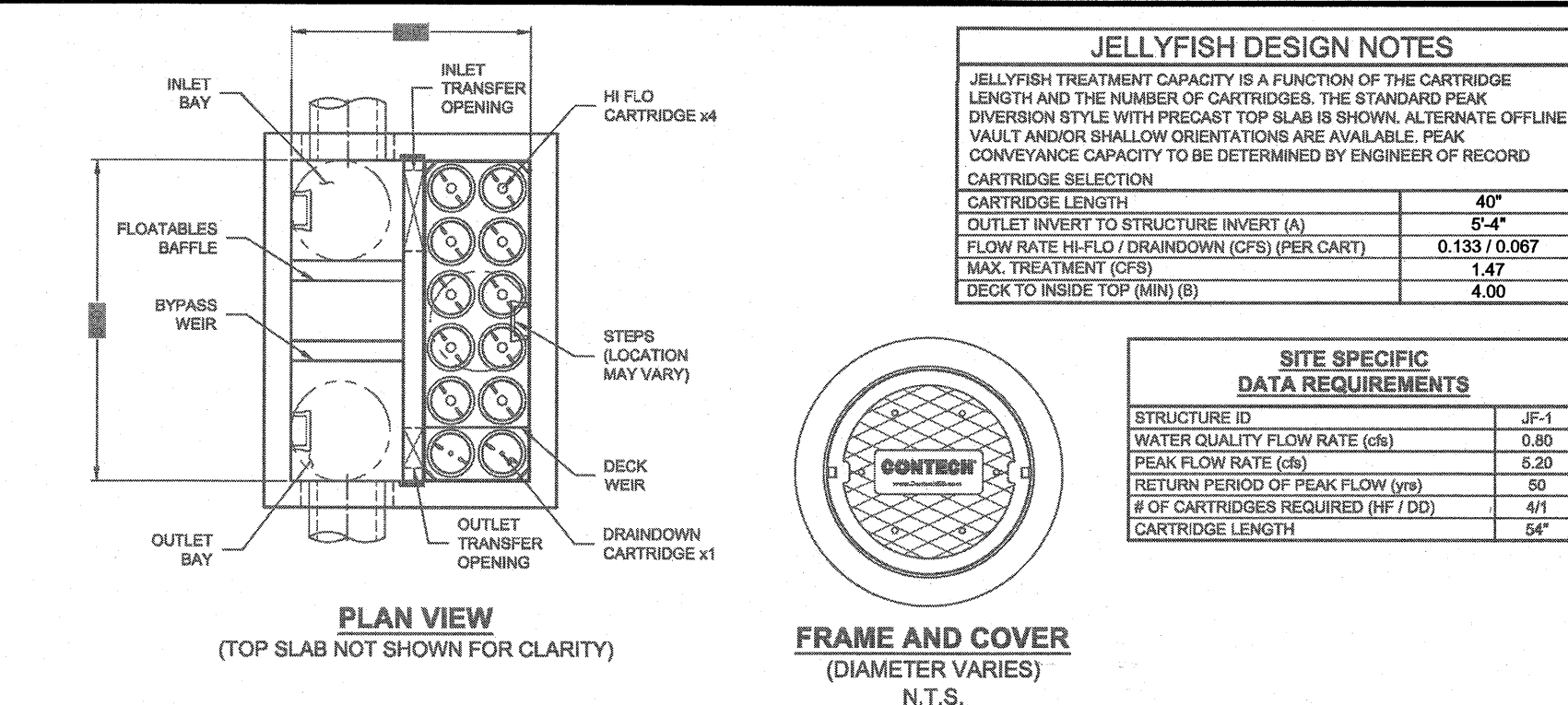
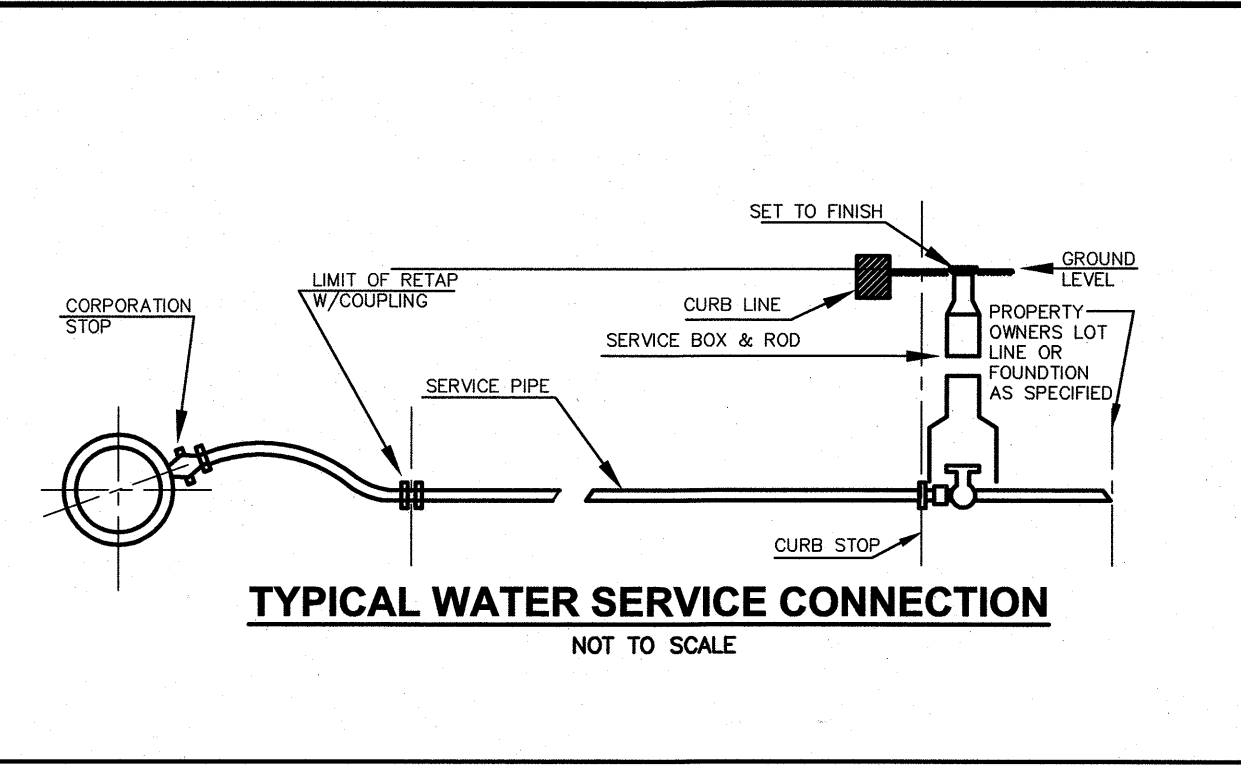
PROJECT NO. NEX-2021163



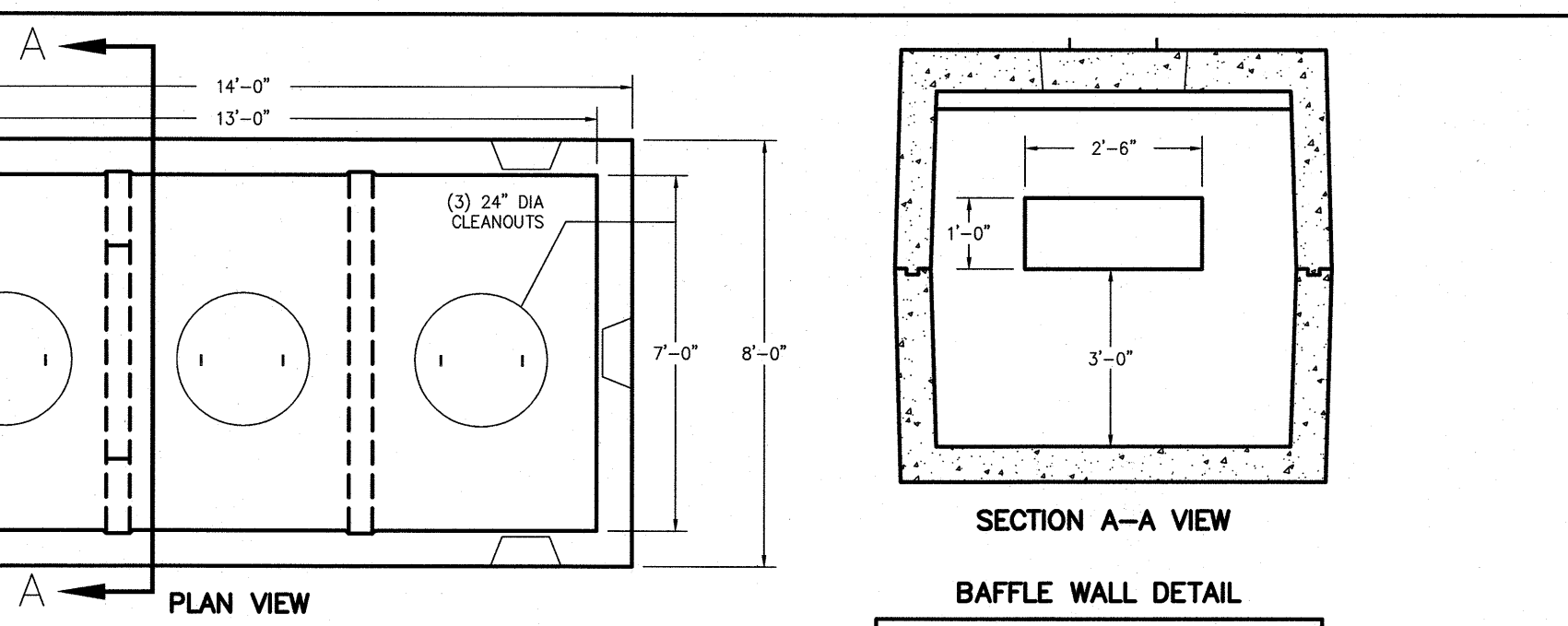
REVISIONS		
NO.	REVISION	DATE
1	ADD JELLYFISH	4/19/22

JANUARY 26, 2022

DRAWN/DESIGN BY	CHECKED BY
CCC/NID	DRJ



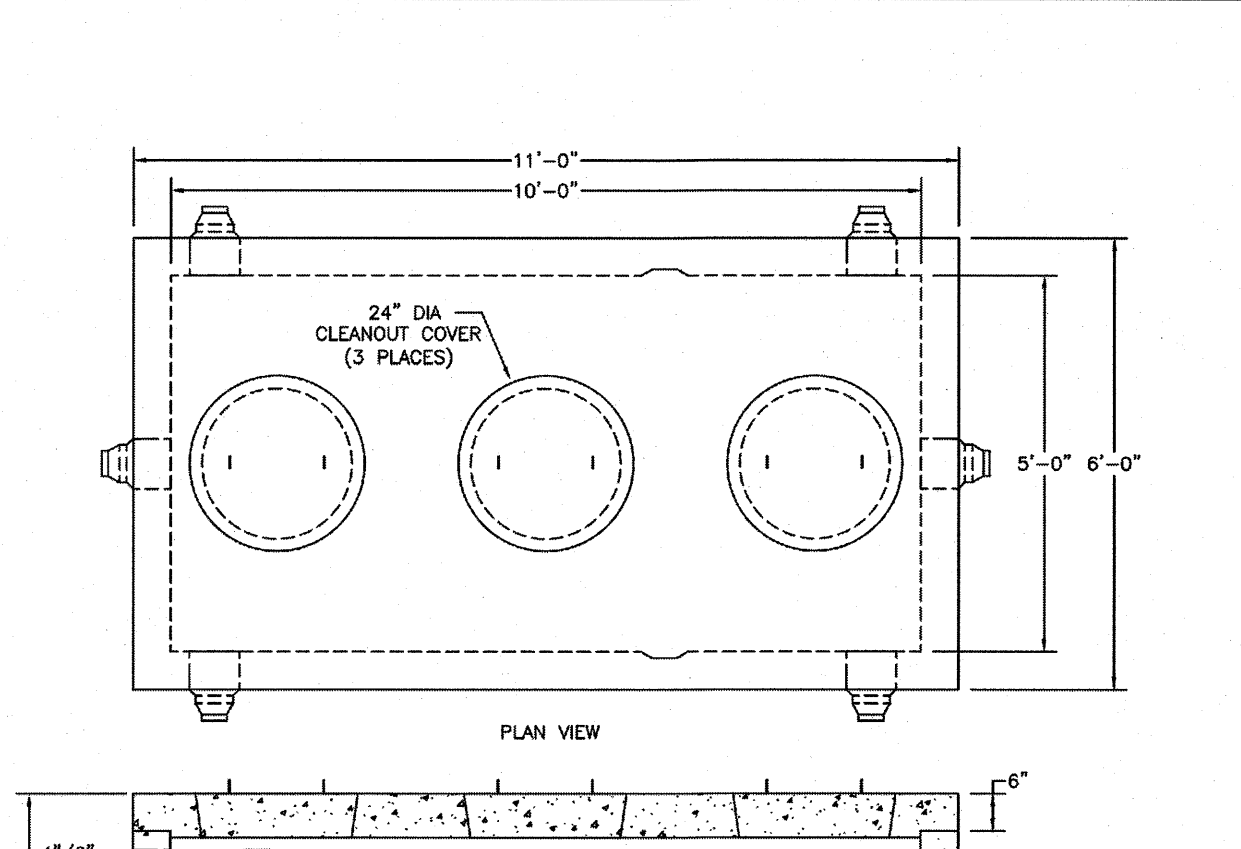
**JELLYFISH JFPD0806
 STANDARD DETAIL
 PEAK DIVERSION CONFIGURATION**



NOTES:

- CONCRETE: 5,000 PSI MINIMUM AFTER 28 DAYS.
- DESIGNED FOR H-20 LOADING. 1 TO 5 FEET OF COVER.
- TONGUE & GROOVE JOINT SEALED WITH BUTYL RESIN.
- FIRST & SECOND CHAMBER SIZING BASED ON NHDES CRITERIA OF 400 CF/ACRE OF IMPERVIOUS AREA:
 O/W SEP #1: IMP. AREA = 1.03 Ac.
 400 CF/AC. x 1.03
 Ac. = 412 CF
 X1 = 412 CF / (6'-5" x 7') = 9'-2"
 X2 = 3'-6"
- CONTRACTOR TO SUBMIT SHOP DRAWING FOR APPROVAL.

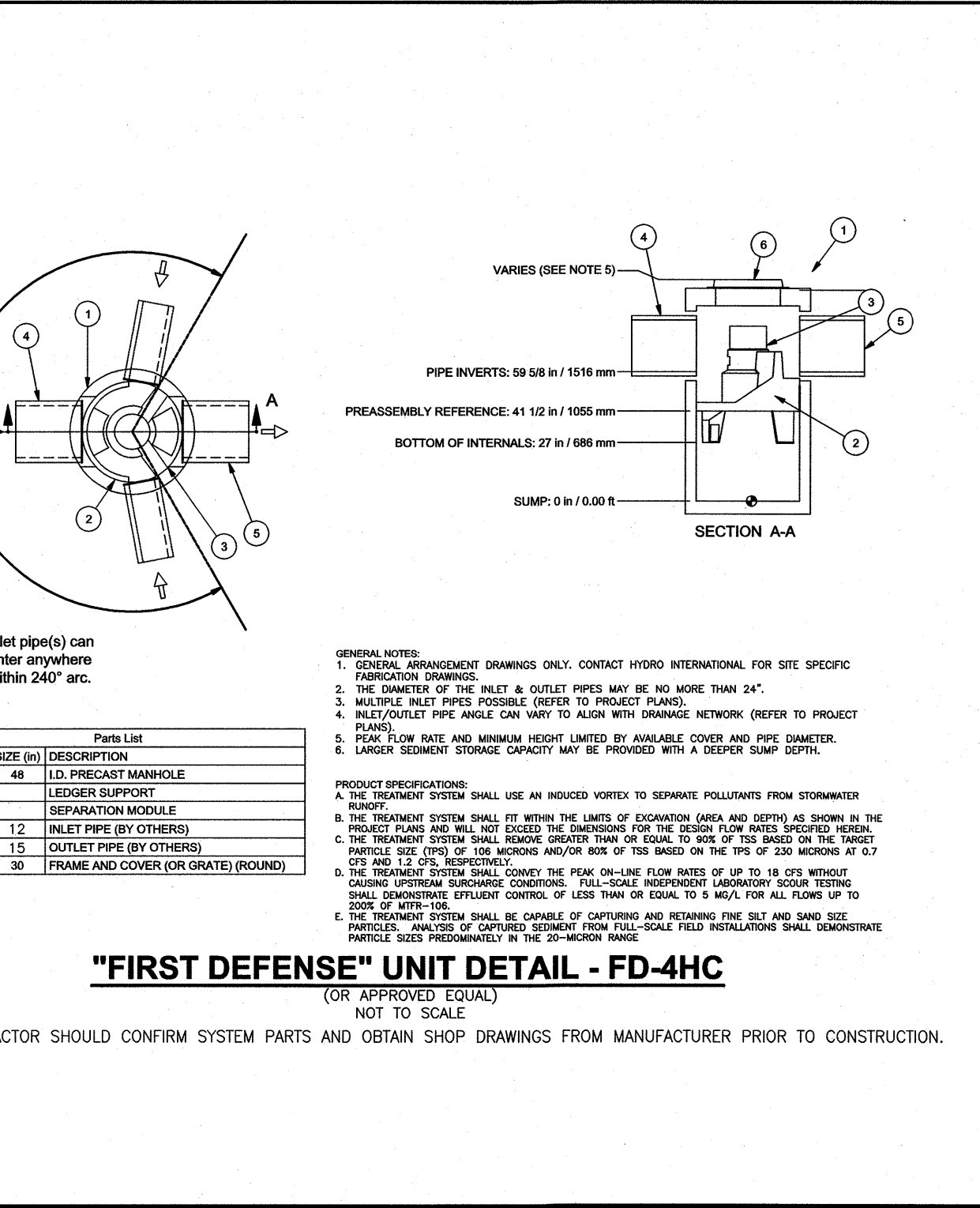
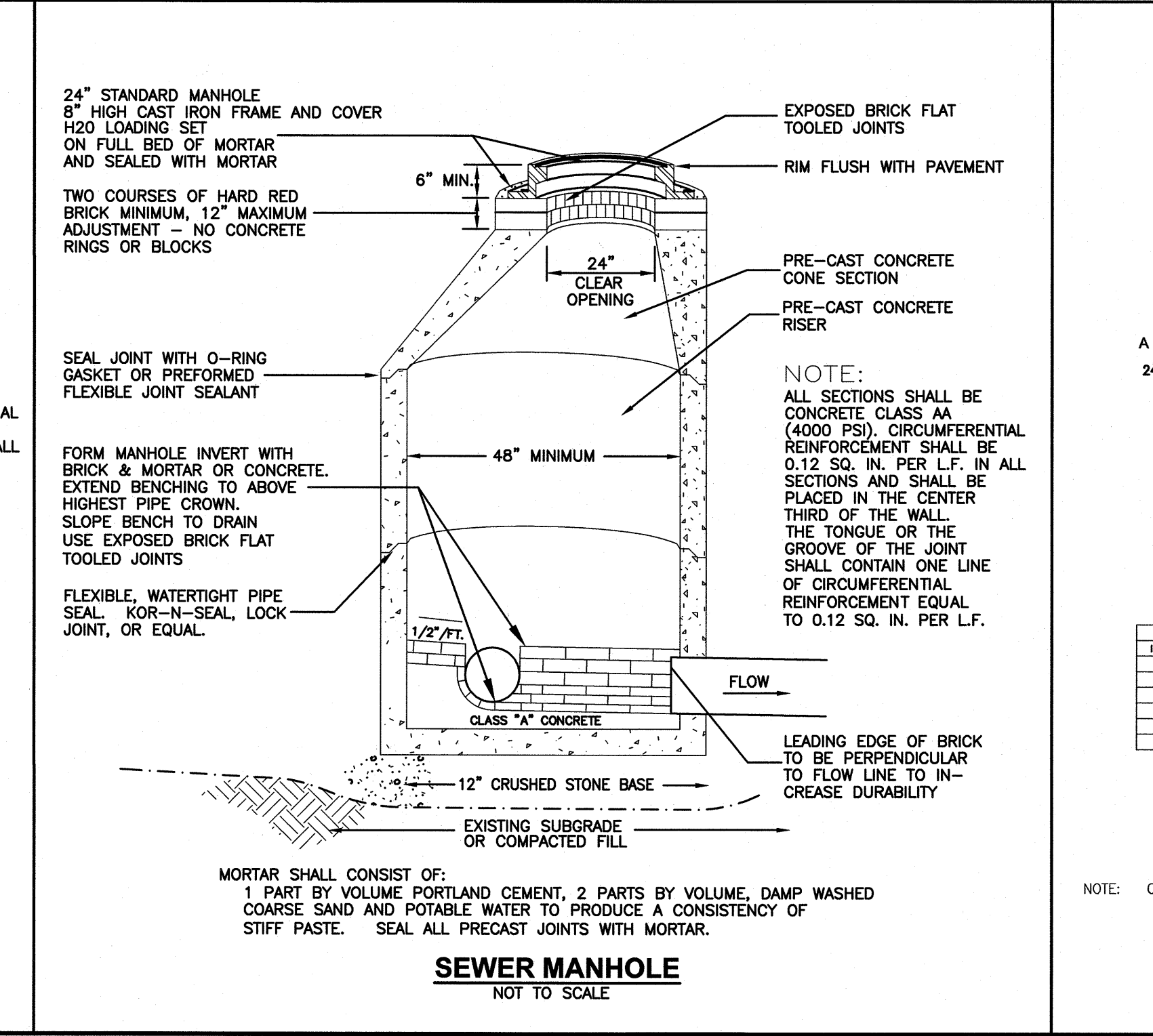
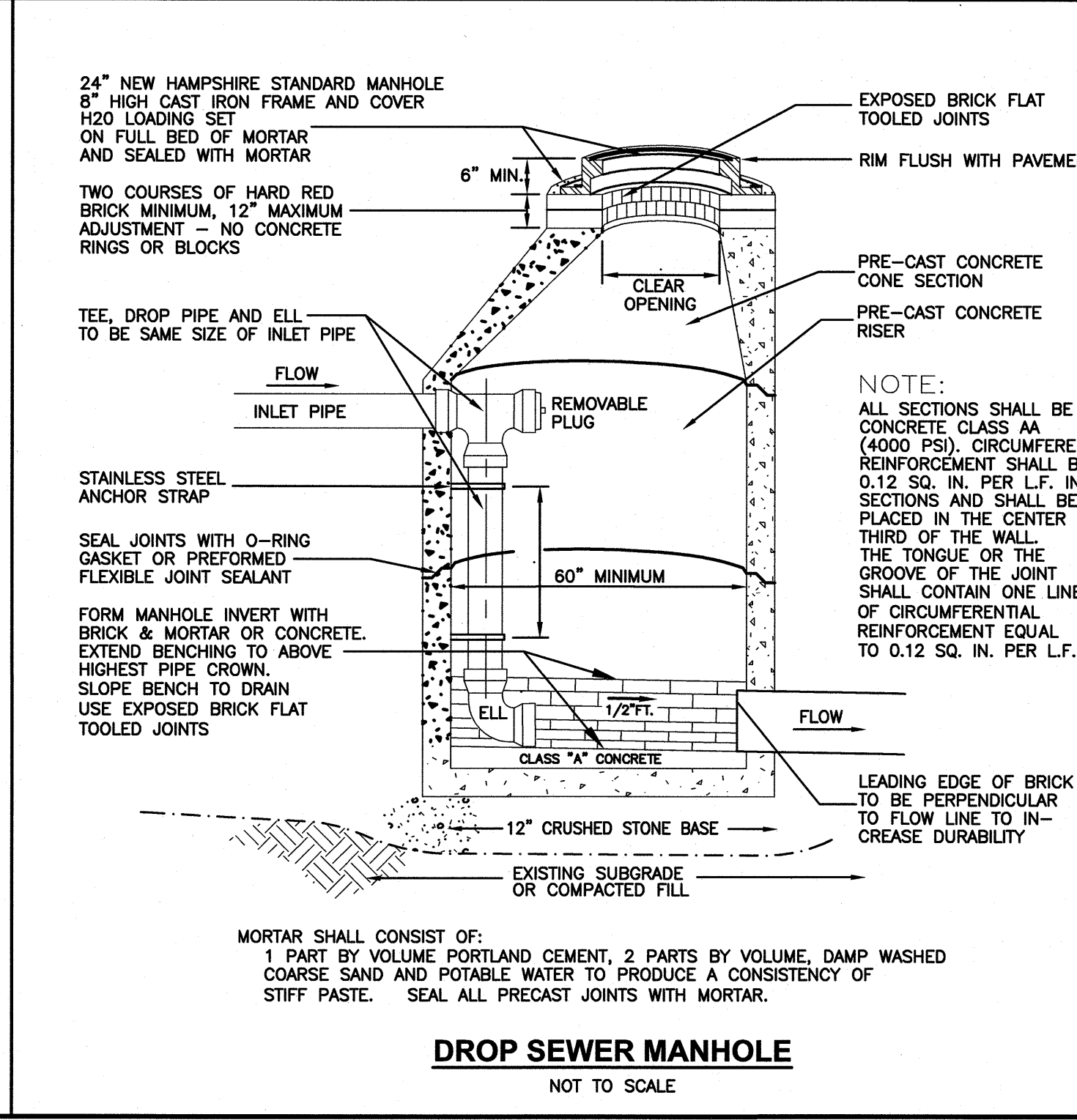
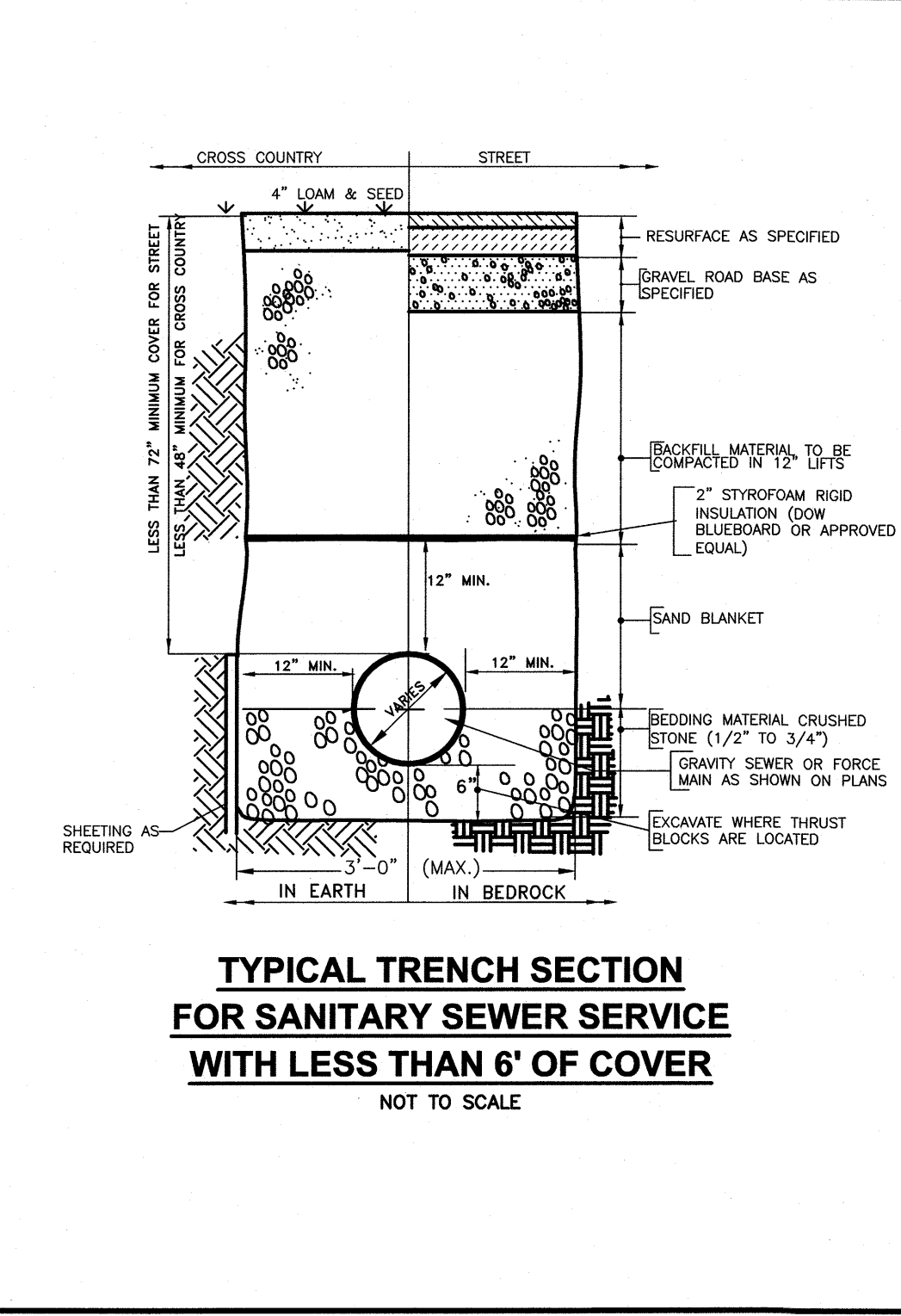
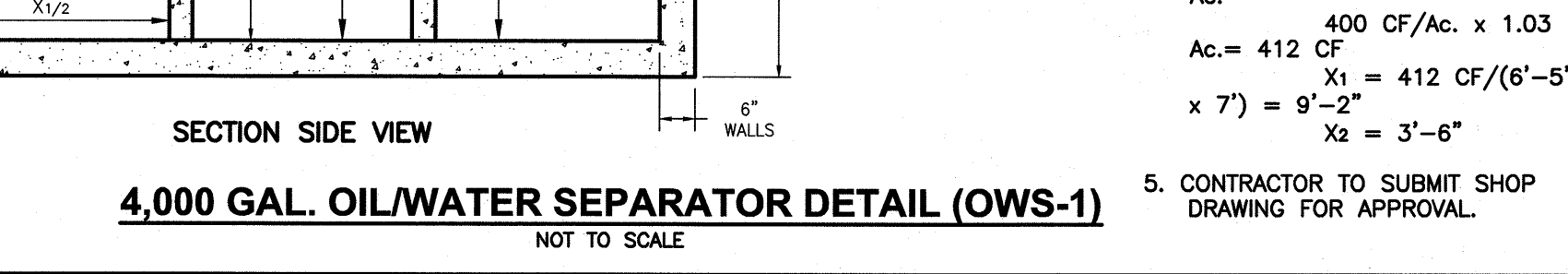
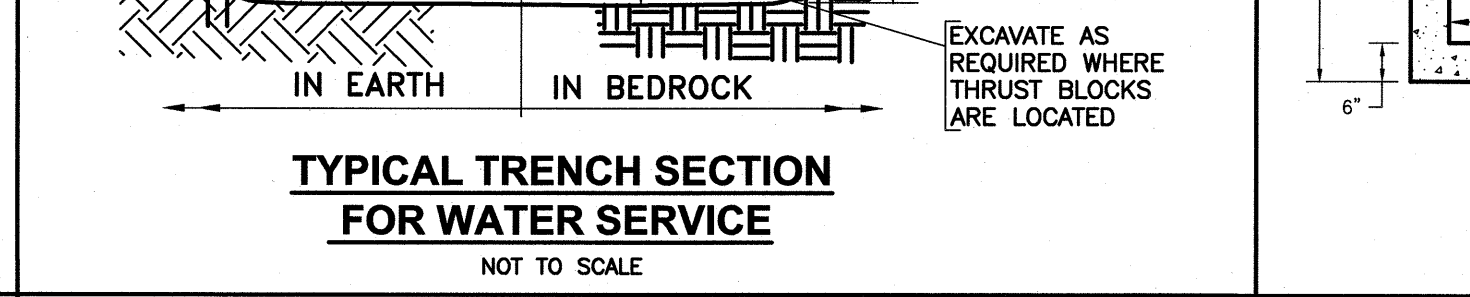
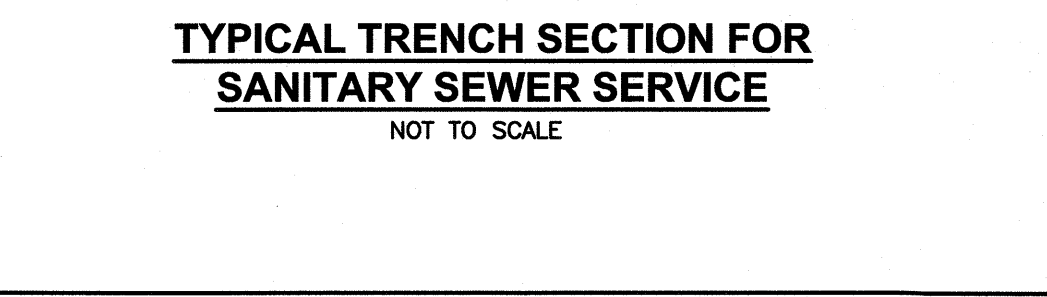
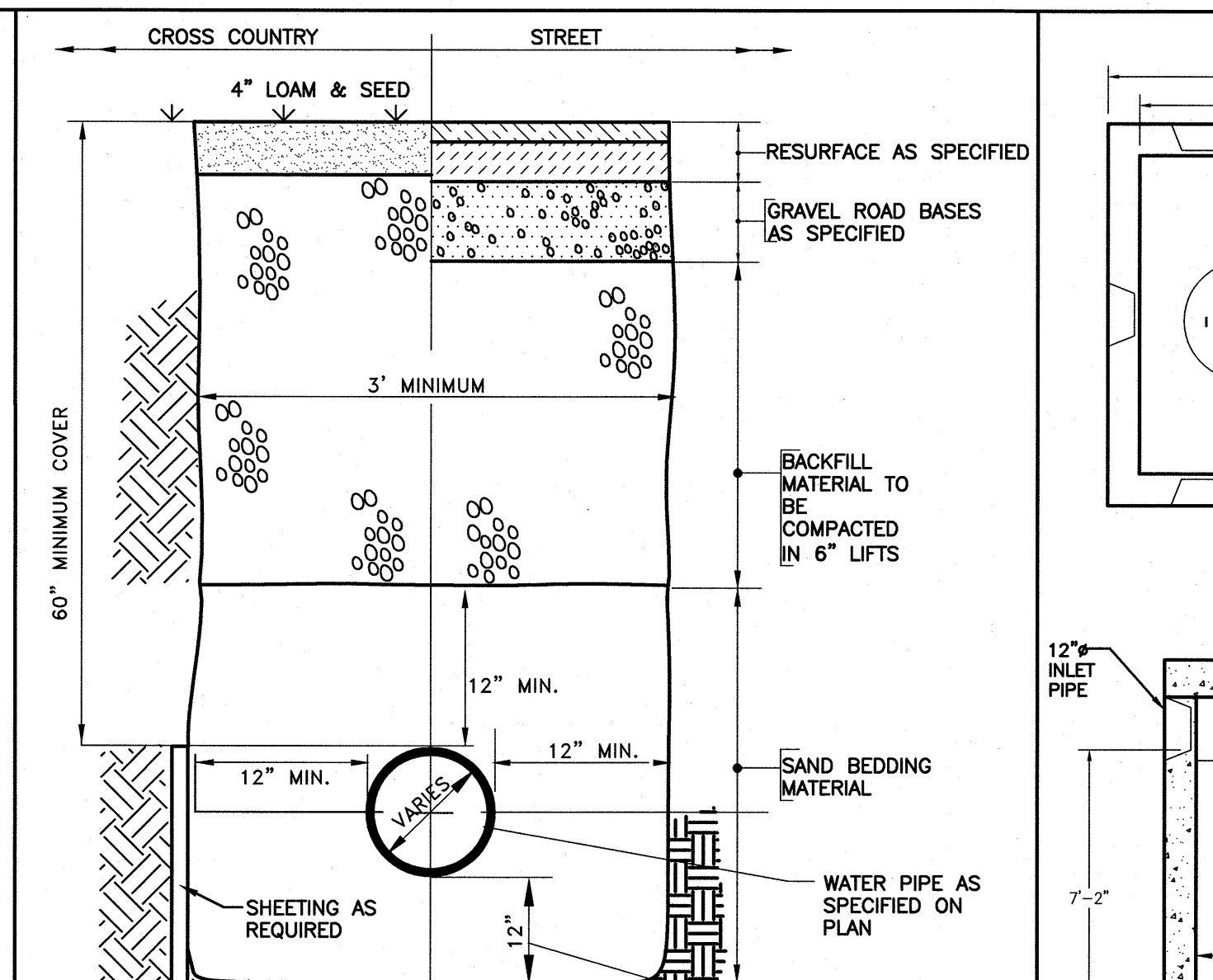
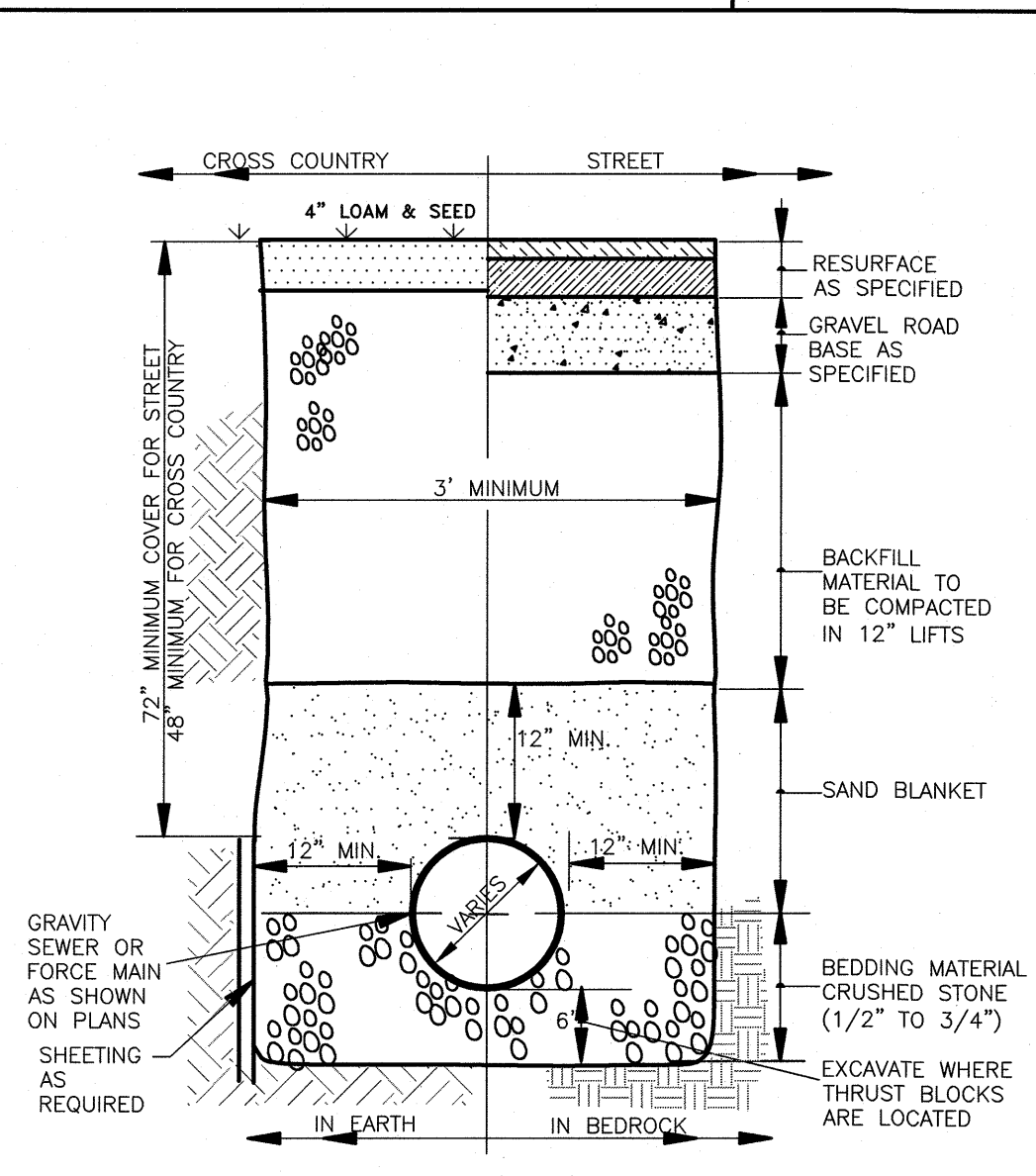
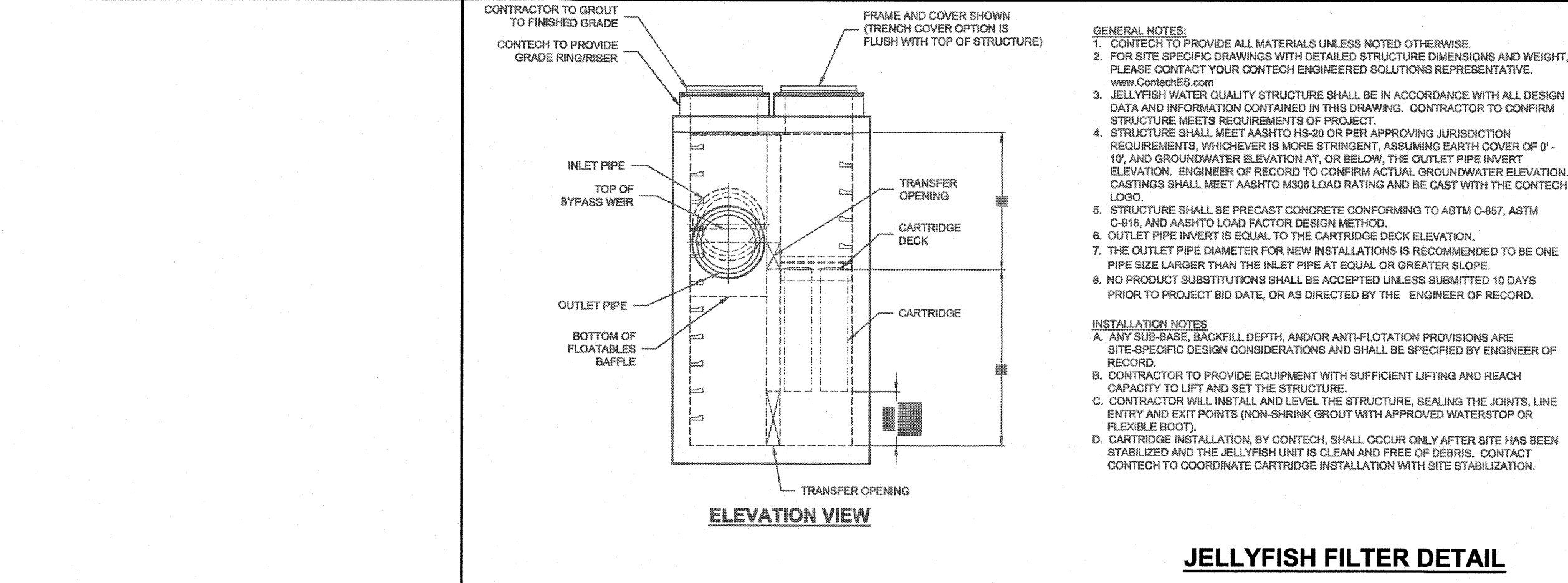
ITEM: 8X14-352C



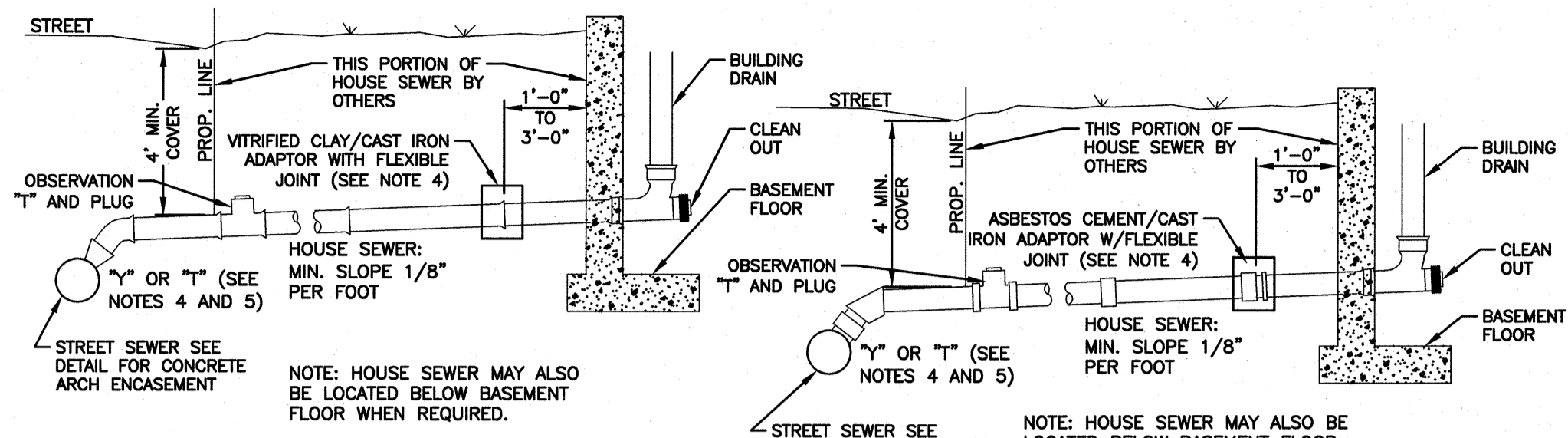
NOTES:

- CONCRETE: 5,000 PSI MINIMUM AFTER 28 DAYS.
- DESIGN CONFORMS WITH 310 CMR 15.00, DEP TITLE 5 REGS. FOR GREASE TRAPS.
- ALL REINFORCEMENT PER ASTM C1227.
- DESIGNED FOR AASHTO HS-20 LOADING, 1 TO 5 FT COVER.
- TONGUE & GROOVE JOINT SEALED WITH BUTYL RESIN.
- TEES AND BAFFLES SOLD SEPARATELY.

ITEM NO.	TK-M1500C	WEIGHT	TOP	BOTTOM
		22,600#	5,400#	17,200#
	TK-M1500C2C	24,400#	5,400#	19,000#

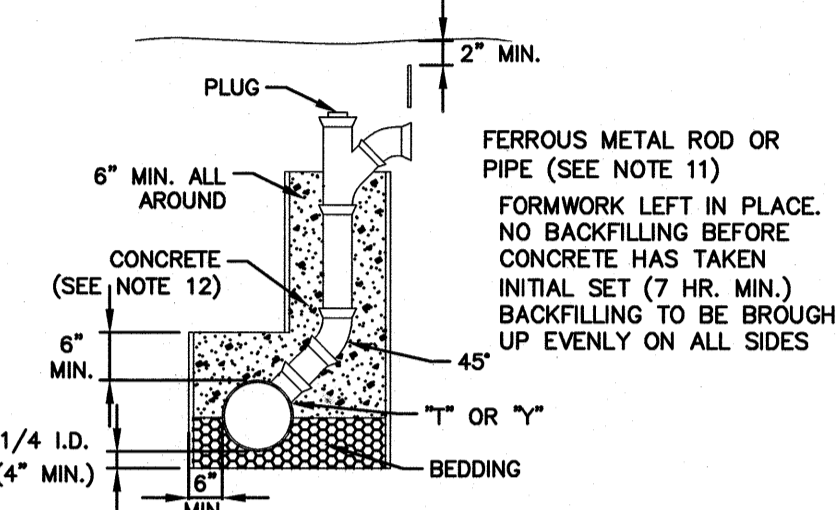


F:\Projects\NEX-2021163 - Portsmouth, NH - GSC\CAD Files\21163_DET.dwg DET-4 4/19/22 4:14pm ccall

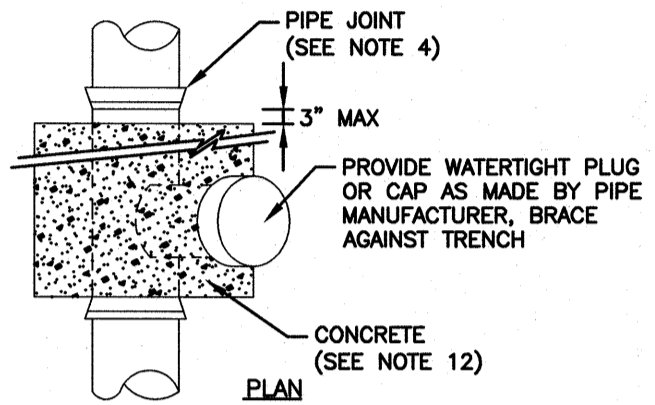


VITRIFIED CLAY SEWER AND HOUSE SEWER

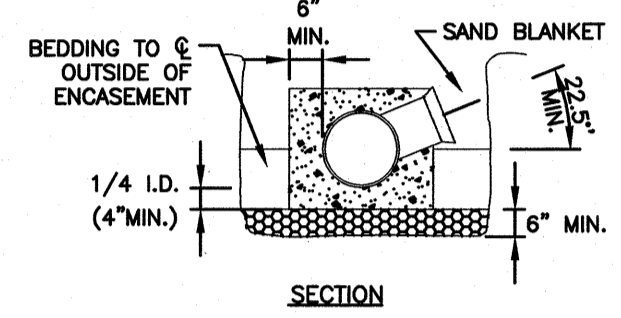
ASBESTOS CEMENT SEWER AND HOUSE SEWER



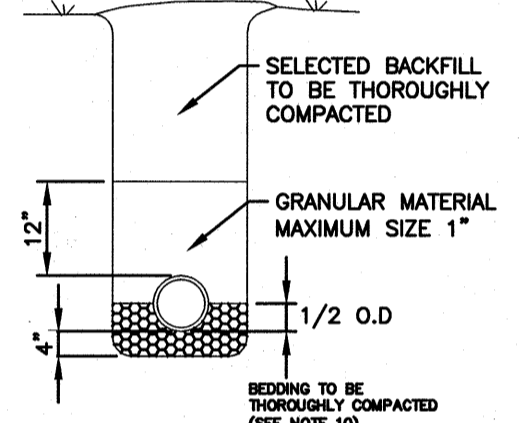
CHIMNEY (SEE NOTE 13)



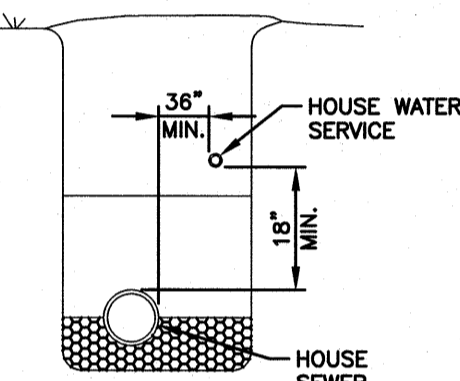
CONCRETE FULL ENCASMENT



SECTION



TRENCH CROSS-SECTION



WATER AND SEWER IN SAME TRENCH (SEE NOTE 9)

HOUSE SEWER DETAILS NOT TO SCALE

- NOTES:
- MINIMUM SIZE PIPE FOR HOUSE SERVICE SHALL BE 4 INCHES.
 - PIPE AND JOINT MATERIALS
 - VITRIFIED CLAY PIPE
 - PIPE AND FITTINGS SHALL BE EXTRA STRENGTH CLAY PIPE CONFORMING TO THE REQUIREMENTS OF ASTM C-700.
 - JOINTS SHALL BE MADE WITH OIL RESISTANT GASKETS IN ACCORDANCE WITH ASTM C-425 TYPE III MANUFACTURERS INSTRUCTIONS FOR INSTALLATION SHALL BE FOLLOWED.
 - ASBESTOS-CEMENT NON-PRESSURE SEWER PIPE
 - PIPE AND FITTINGS SHALL CONFORM TO ASTM TENTATIVE SPECIFICATIONS C644 TYPE II.
 - JOINTS SHALL BE OF THE SLEEVE-COUPLING TYPE CONFORMING TO ASTM SPECIFICATIONS C644 TYPE II COMPRESSION RINGS SHALL BE OF OIL RESISTANT RUBBER TYPE OR ELASTOMERIC MATERIAL AND SHALL CONFORM TO ASTM SPECIFICATION D1869. MANUFACTURERS INSTRUCTIONS SHALL BE FOLLOWED FOR INSTALLATIONS.
 - CAST IRON PIPE FITTINGS AND JOINTS
 - CAST IRON PIPE AND FITTINGS SHALL CONFORM TO THE FOLLOWING STANDARDS OF THE AMERICAN NATIONAL STANDARDS INSTITUTE:
 - A21.1 THICKNESS DESIGN OF CAST IRON PIPE AND FITTINGS
 - A21.4 CEMENT MORTAR LINING FOR CAST IRON PIPE AND FITTINGS
 - A21.6 CAST IRON PIPE CENTRIFUGALLY CAST IN METAL MOLDS FOR WATER OR OTHER LIQUIDS.
 - A21.8 CAST IRON PIPE CENTRIFUGALLY CAST IN SAND LINED MOLDS FOR WATER OR OTHER LIQUIDS.
 - A21.10 CAST IRON FITTINGS, 2 INCHES THROUGH 48 INCHES FOR WATER AND OTHER LIQUIDS.
 - JOINTS SHALL BE OF THE MECHANICAL OR PUSH ON TYPE JOINTS AND GASKETS SHALL CONFORM TO:
 - A21.11 RUBBER GASKET JOINTS FOR CAST IRON PRESSURE PIPE AND FITTINGS.
 - DUCTILE IRON PIPE FITTINGS AND JOINTS
 - DUCTILE IRON PIPE AND FITTINGS SHALL CONFORM TO THE STANDARDS OF THE UNITED STATES OF AMERICA STANDARDS INSTITUTE:
 - A21.50 THICKNESS DESIGN OF DUCTILE IRON PIPE AND WITH ASTM A536 DUCTILE IRON CASTINGS
 - A21.51 DUCTILES IRON PIPE CENTRIFUGALLY CAST IN METAL MOLDS OR SAND LINED MOLDS FOR WATER OR OTHER LIQUIDS.
 - JOINTS SHALL BE SPECIFIED IN C6 ABOVE, CAST IRON PIPE JOINTS
 - DAMAGED PIPE SHALL BE REJECTED AND REMOVED FROM THE JOB SITE.
 - JOINTS SHALL BE DEPENDENT UPON A NEOPRENE OR ELASTOMERIC GASKET FOR WATERTIGHTNESS. ALL JOINTS SHALL BE PROPERLY MATCHED WITH THE PIPE MATERIALS USED. WATERTIGHT MATERIALS ARE TO BE CONNECTED, AS AT THE STREET SEWER "T" OR AT THE FOUNDATION WALL, APPROPRIATE ADAPTERS SHALL BE USED.
 - "T" AND "Y" WHERE A "T" OR "Y" IS NOT AVAILABLE IN THE EXISTING STREET SEWER, AN APPROPRIATE CONNECTION SHALL BE MADE IN THE SEWER, FOLLOWING MANUFACTURERS INSTRUCTIONS (USING A BOLTED, CLAMPED OR EPOXY CEMENTED SADDLE TAPPED INTO A SMOOTHLY DRILLED OR SAWN OPENING. THE PRACTICE OF BREAKING AN OPENING WITH A SLEDGE HAMMER, STUFFING CLOTH (OR OTHER SUCH MATERIAL) AROUND THE JOINT, OR APPLYING MORTAR TO HOLD THE CONNECTION AND ANY OTHER SIMILAR CRUDE PRACTICES OR INERT OR HASTY IMPROVISATIONS WILL NOT BE PERMITTED. THE CONNECTION SHALL BE CONCRETE ENCASED, AS SHOWN IN THE DETAIL, UP TO AND INCLUDING 15" DIAMETER.
 - PIPE INSTALLATION THE PIPE SHALL BE HANDLED, PLACED AND JOINTED IN ACCORDANCE WITH INSTALLATION GUIDES OF THE APPROPRIATE MANUFACTURER. IT SHALL BE CAREFULLY BEDDED ON A 4 INCH LAYER OF CRUSHED STONE AND/OR GRAVEL, AS SPECIFIED IN NOTE 10, BEDDING AND RE-FILL FOR A DEPTH OF 12 INCHES ABOVE THE TOP OF THE PIPE SHALL BE CAREFULLY AND THOROUGHLY TAMPED BY HAND OR WITH APPROPRIATE MECHANICAL DEVICES. THE PIPE SHALL BE LAID AT A CONTINUOUS AND CONSTANT GRADE FROM THE STREET SEWER CONNECTION TO THE HOUSE FOUNDATION AT A GRADE OF NOT LESS THAN 1/8 INCH PER FOOT. PIPE JOINTS MUST BE MADE UNDER DRY CONDITIONS. IF WATER IS PRESENT, ALL NECESSARY STEPS SHALL BE TAKEN TO DEWATER THE TRENCH.
 - TESTING THE COMPLETED HOUSE SEWER SHALL BE SUBJECTED TO A LEAKAGE TEST IN ANY OF THE FOLLOWING MANNERS (PRIOR TO BACKFILLING):
 - AN OBSERVATION "T" SHALL BE INSTALLED AS SHOWN. WHEN READY TESTING AN INFLATABLE BLADDER OR PLUG SHALL BE INSERTED JUST UPSTREAM FROM THE OPENING IN THE "T". AFTER INFLATION, WATER SHALL BE INTRODUCED INTO THE SYSTEM ABOVE THE PLUG TO A HEIGHT OF 5 FEET ABOVE THE LEVEL OF THE PLUG.
 - THE PIPE SHALL BE LEFT EXPOSED AND LIBERALLY HOSED WITH WATER TO SIMULATE, AS NEARLY AS POSSIBLE, WET TRENCH CONDITIONS. IF THE TRENCH IS WET, THE GROUND WATER SHALL BE PERMITTED TO RISE IN THE TRENCH OVER THE PIPE. INSPECTIONS FOR LEAKS SHALL BE MADE THROUGH THE CLEANOUT WITH A FLASHLIGHT.
 - DOES NOT APPLY TO INSTALLATIONS WHERE "T"s AND "Y"s ARE USED
 - FLUORESCENT DYE SHALL BE SPRINKLED INTO THE TRENCH OVER THE PIPE. IF THE TRENCH IS DRY, THE PIPE SHALL BE LIBERALLY HOSED WITH WATER. IF THE TRENCH IS WET, GROUND WATER SHALL BE PERMITTED TO RISE IN THE TRENCH OVER THE PIPE. OBSERVATION FOR LEAKS SHALL BE MADE IN THE FIRST MANHOLE DOWNSTREAM. LEAKAGE OBSERVED IN ANY OF THE ABOVE, ALTER-NATE TESTS SHALL BE CAUSE FOR NON-ACCEPTANCE AND THE PIPE SHALL BE DUG UP, IF NECESSARY, AND RELAID SO AS TO ASSURE WATERTIGHTNESS.
 - ILLEGAL CONNECTION NOTHING BUT SANITARY WASTE FLOW FROM THE HOUSE TOILETS, SINKS, LAUNDRY ETC. SHALL BE PERMITTED. ROOF LEADERS, FOOTING DRAINS, SUMP PUMPS OR ANY OTHER SIMILAR CONNECTION CARRYING RAIN WATER, DRAINAGE OR GROUND WATER SHALL NOT BE PERMITTED.
 - HOUSE WATER SERVICE SHOULD NOT BE LAID IN THE SAME TRENCH AS THE SEWER SERVICE, BUT WHEN NECESSARY SHALL BE PLACED ABOVE AND TO ONE SIDE OF THE HOUSE SEWER AS SHOWN.
 - BEDDING: SCREENED GRAVEL AND/OR CRUSHED STONE FREE FROM CLAY, LOAM, ORGANIC MATERIAL AND MEETING ASTM C33-67.
 - 100%--PASSING 1 INCH SCREEN 90--100%--PASSING 3/4 INCH SCREEN
 - 20--55%--PASSING 3/8 INCH SCREEN 0--10%--PASSING #4 SIEVE
 - 0--5%--PASSING #8 SIEVE
 WHERE ORDERED BY THE ENGINEER TO STABILIZE THE TRENCH BASE, SCREENED GRAVEL OR CRUSHED STONE (1--1/2 TO 1/2 INCH) SHALL BE USED.
 - LOCATION THE LOCATION OF THE "T" OR "Y" SHALL BE RECORDED AND FILED IN THE MUNICIPAL RECORDS. IN ADDITION, A FERROUS METAL ROD OR PIPE SHALL BE PLACED OVER THE "T" OR "Y", AS DESCRIBED IN THE TYPICAL "CHIMNEY" DETAIL, TO AID IN LOCATING THE BURIED PIPE WITH A DIP NEEDLE OR PIPE FINDER.
 - CONCRETE CONCRETE SHALL CONFORM TO THE REQUIREMENTS FOR CLASS A (5000 PSI) CONCRETE OF THE N.H. DEPT. OF PUBLIC WORKS AND HIGHWAYS STANDARD SPECIFICATIONS AS FOLLOWS:
 - CEMENT: 6.0 BAGS/C.Y.
 - WATER: 5.75 GALS./BAG CEMENT
 - AGGREGATE: 1--1/2 INCH MAX.
 - CHIMNEYS IF VERTICAL DROP INTO THE SEWER IS GREATER THAN 4 FEET, A CHIMNEY SHALL BE CONSTRUCTED FOR THE HOUSE CONNECTION.

GPI Engineering
Design
Planning
Construction Management
603.893.0720 GPINET.COM
Greenman-Pedersen, Inc.
44 Stiles Road, Suite One
Salem, NH 03079

PREPARED FOR
GRANITE STATE
CONVENIENCE, LLC
25 SPRINGER ROAD
HOOKSETT, NH

PROPOSED RETAIL MOTOR
FUEL OUTLET
2255 LAFAYETTE ROAD
PORTSMOUTH, NH 03801

REVISIONS

NO.	REVISION	DATE

APRIL 19, 2022

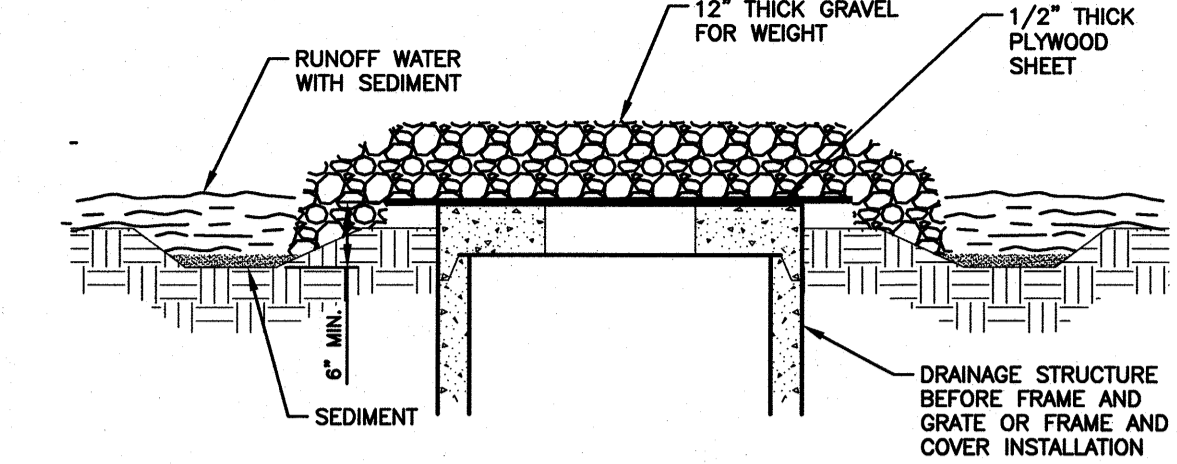
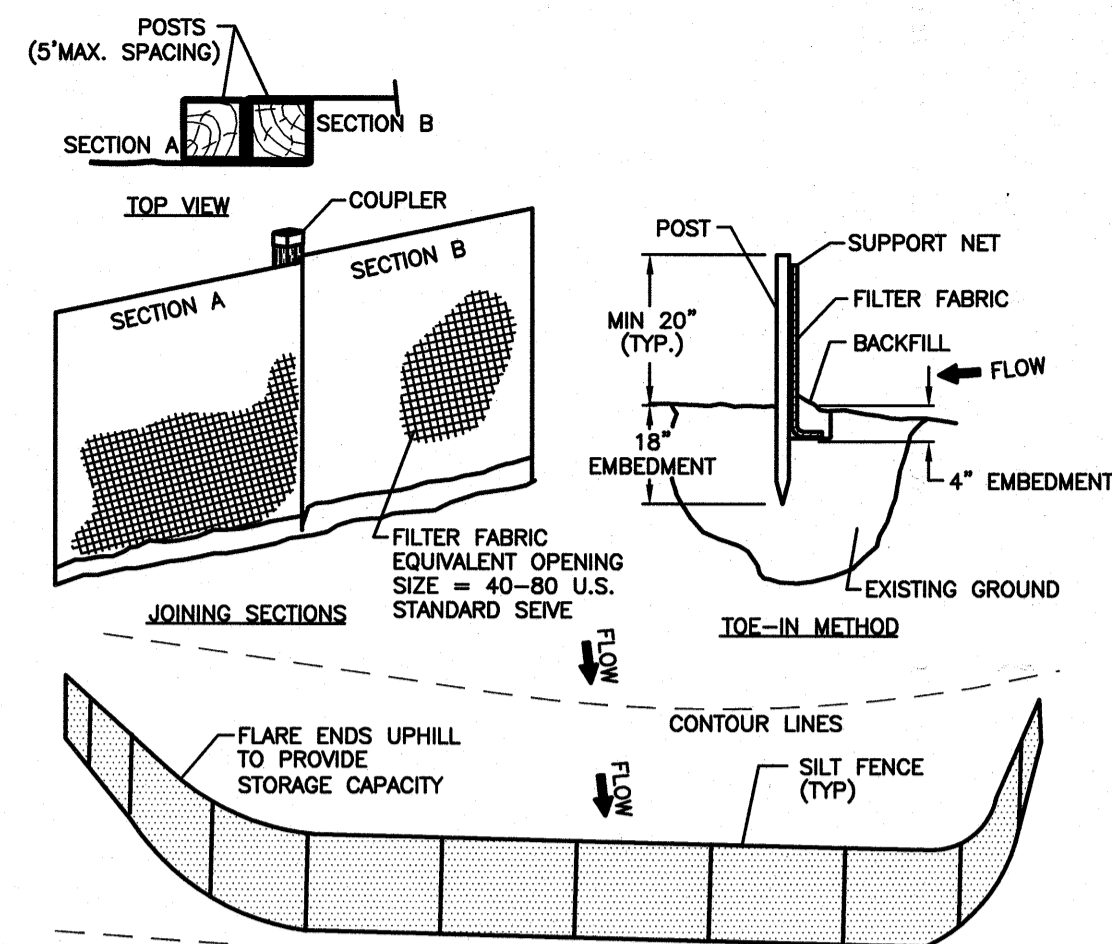
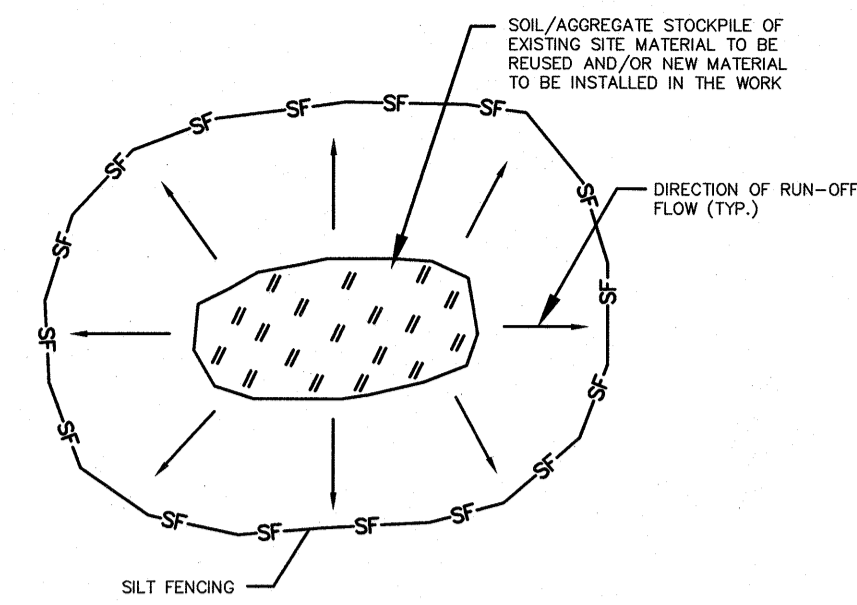
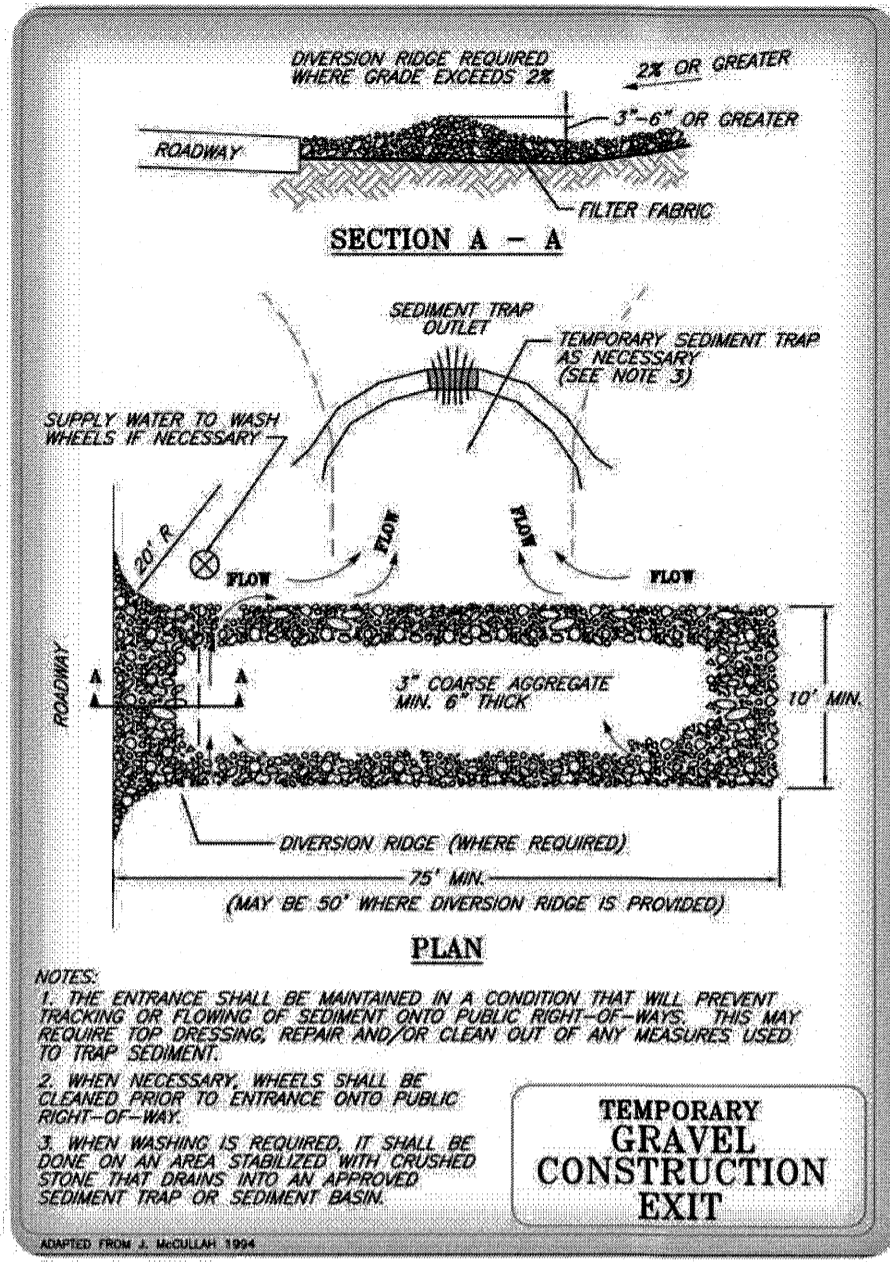
DRAWN/DESIGN BY: CCC/NID CHECKED BY: DRJ

DETAIL SHEET

SCALE: NOT TO SCALE

PROJECT NO. NEX-2021163

13 OF 15



GRAVEL CONSTRUCTION EXIT
NOT TO SCALE

MATERIALS STOCKPILE DETAIL
NOT TO SCALE

INLET PROTECTION DETAIL
NOT TO SCALE

NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN MACHINERY IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY GRAVEL CONSTRUCTION EXIT

NOTES:

1. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF.
2. SOIL/AGGREGATE STOCKPILE SITES TO BE WHERE SHOWN ON THE DRAWINGS.
3. RESTORE STOCKPILE SITES TO PRE-EXISTING PROJECT CONDITION AND RESEED AS REQUIRED.
4. STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.

CRITERIA FOR SILT FENCES:

- 1) SILT FENCE FILTER CLOTH: THE FABRIC FOR THE SILT FENCE SHALL MEET THE FOLLOWING SPECIFICATIONS:

FABRIC PROPERTIES:	VALUES	TEST METHOD
TENSILE STRENGTH (lbs)	90	ASTM D1682
ELONGATION AT FAILURE (%)	50	ASTM D1682
MULLEN BURST STRENGTH (PSI)	190	ASTM D3786
PUNCTURE STRENGTH (lbs)	40	ASTM D751
EQUIVALENT OPENING SIZE	40-80	US STD SIEVE

- 2) FENCE POSTS (FOR FABRICATED UNITS) - THE POSTS SHALL BE A MINIMUM OF 36 INCHES LONG. WOOD POSTS WILL BE OF SOUND QUALITY HARDWOOD WITH A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQUARE INCHES. STEEL POSTS WILL BE STANDARD T OR U SECTIONS WEIGHING NOT LESS THAN 1 POUND PER LINEAR FOOT. MAXIMUM SPACING SHALL BE 6 LINEAR FEET.
- 3) WIRE FENCE (FOR FABRICATED UNITS) - WIRE FENCING SHALL BE A MINIMUM 14.5 GAUGE WITH A MAXIMUM 6 INCH MESH OPENING.
- 4) PREFABRICATED UNITS - PREFABRICATED UNITS MAY BE USED IN LIEU OF THE ABOVE METHOD PROVIDING: (1) THE FILTER CLOTH AND FENCE POSTS MEET THE ABOVE CRITERIA; AND (2) THE UNIT IS INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

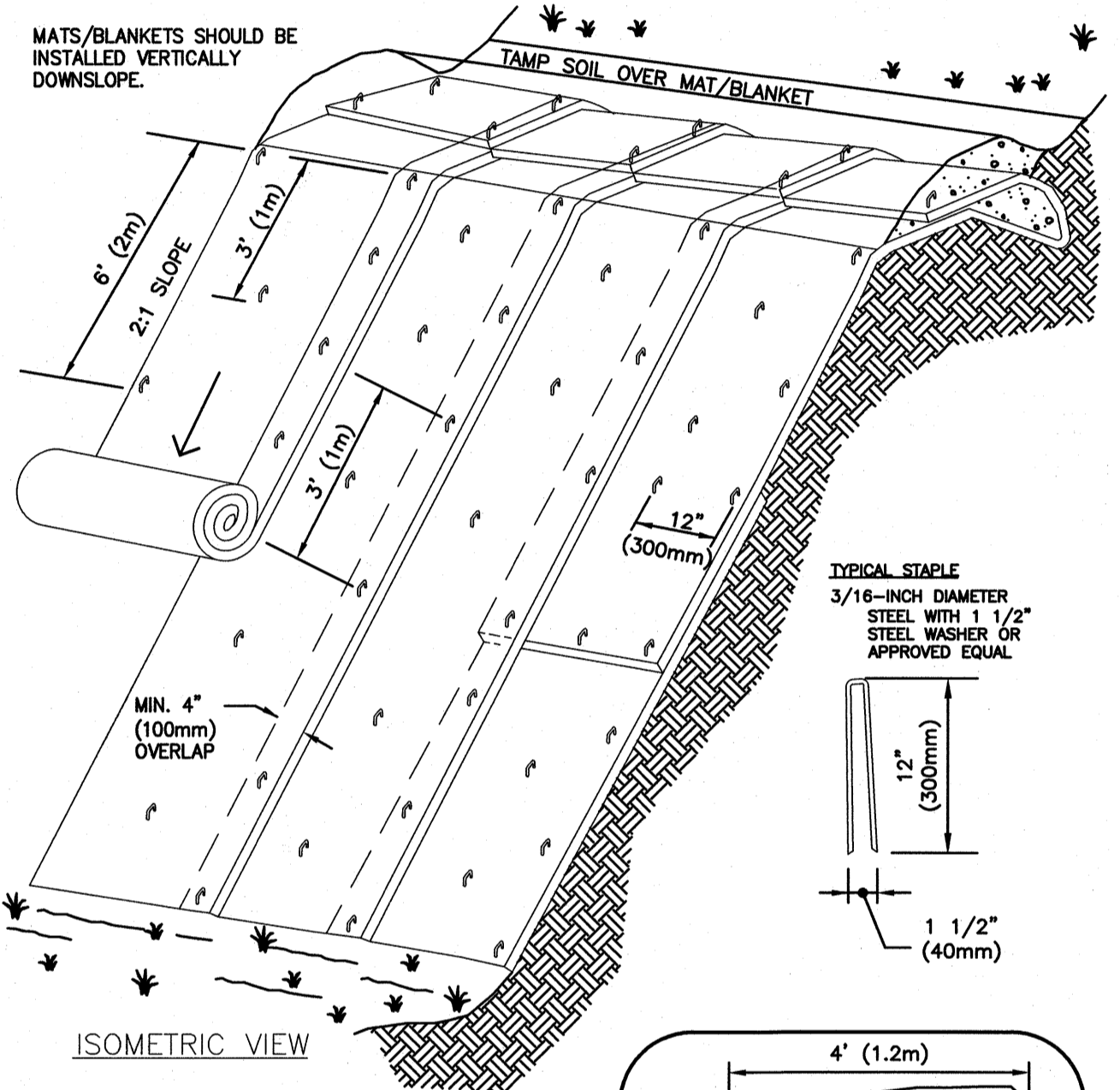
MAINTENANCE:

- 1) SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
- 2) IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
- 3) SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
- 4) SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

CONSTRUCTION SPECIFICATIONS:

- 1) THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR SILT FENCES.
- 2) THE FABRIC SHALL BE EMBEDDED A MINIMUM OF 8 INCHES INTO THE GROUND (4" DEEP & 4" WIDE) AND THE SOIL COMPACTED OVER THE EMBEDDED FABRIC.
- 3) WOVEN WIRE FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES OR STAPLES.
- 4) FILTER CLOTH SHALL BE FASTENED SECURELY TO THE WOVEN WIRE FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP, MID-SECTION AND BOTTOM.
- 5) WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES (24" IS PREFERRED), FOLDED, AND STAPLED.
- 6) POSTS TO BE SPACED AT A MAXIMUM OF 6' ON CENTER.

SEDIMENT CONTROL FENCE
NOT TO SCALE



TYPICAL SLOPE SOIL STABILIZATION

NOTES:

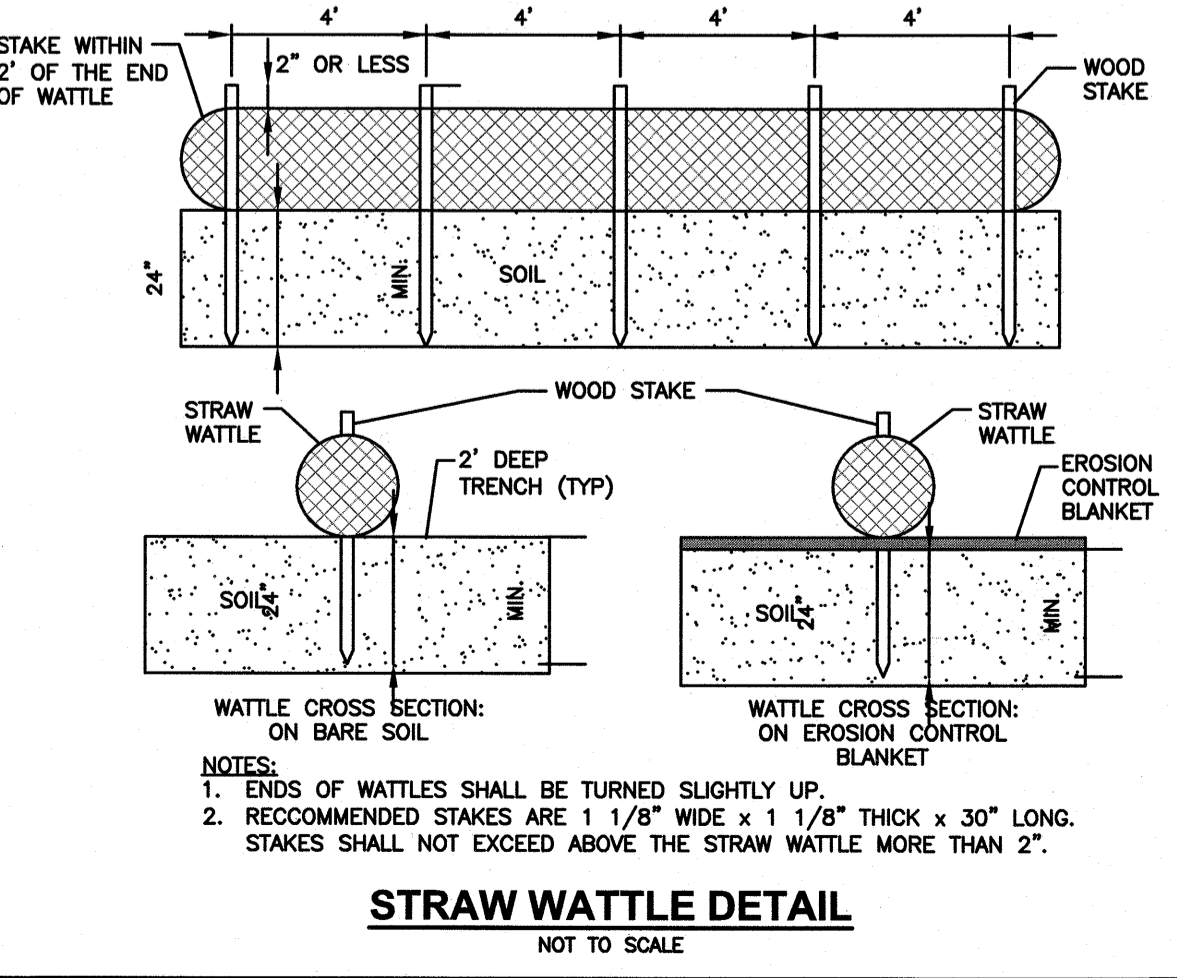
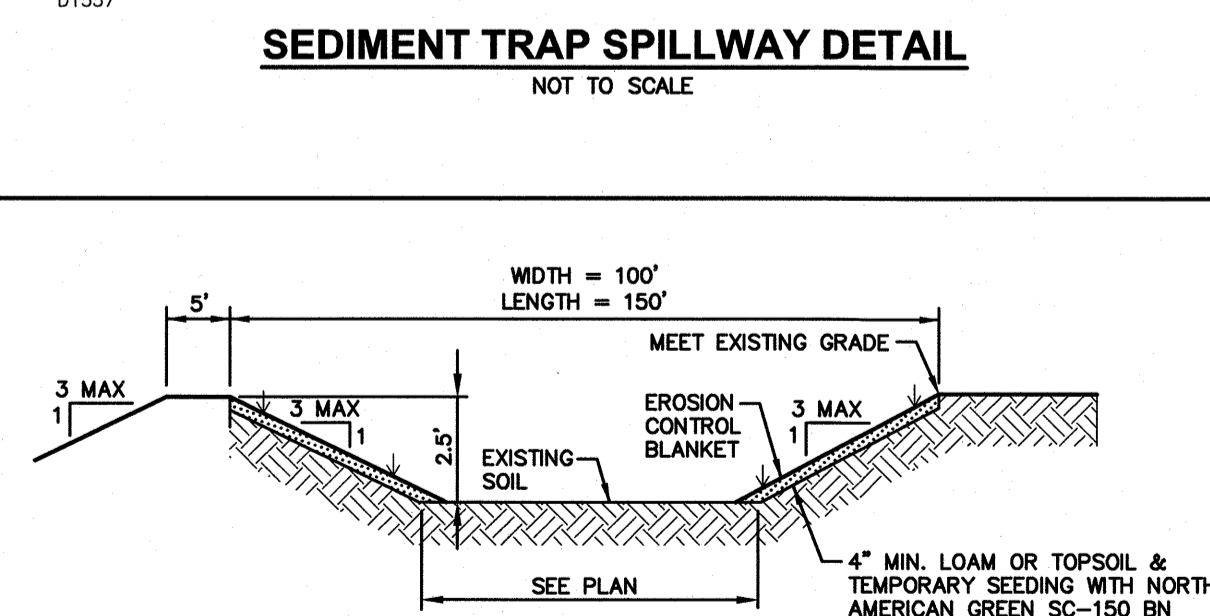
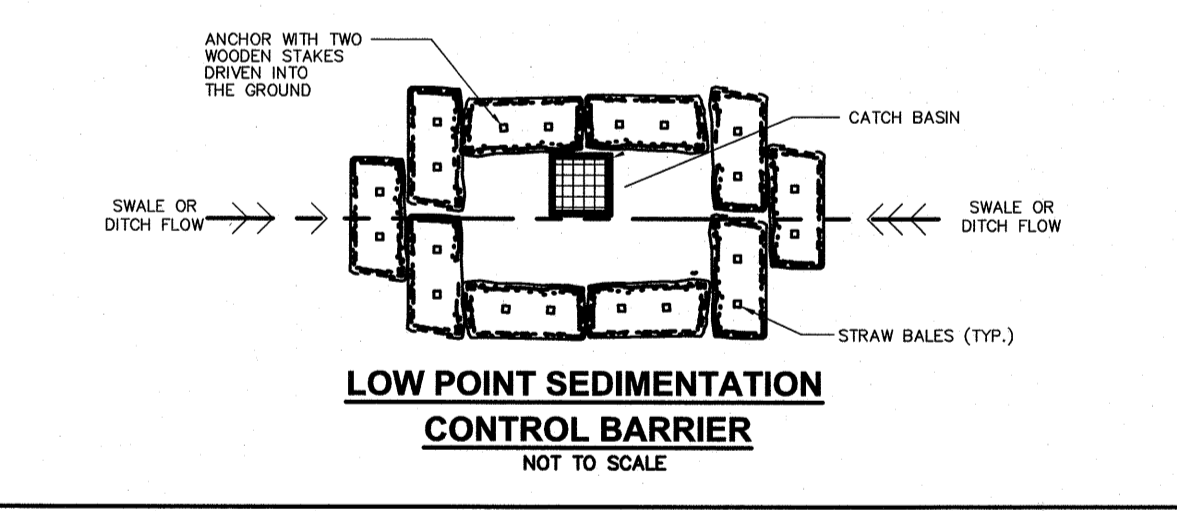
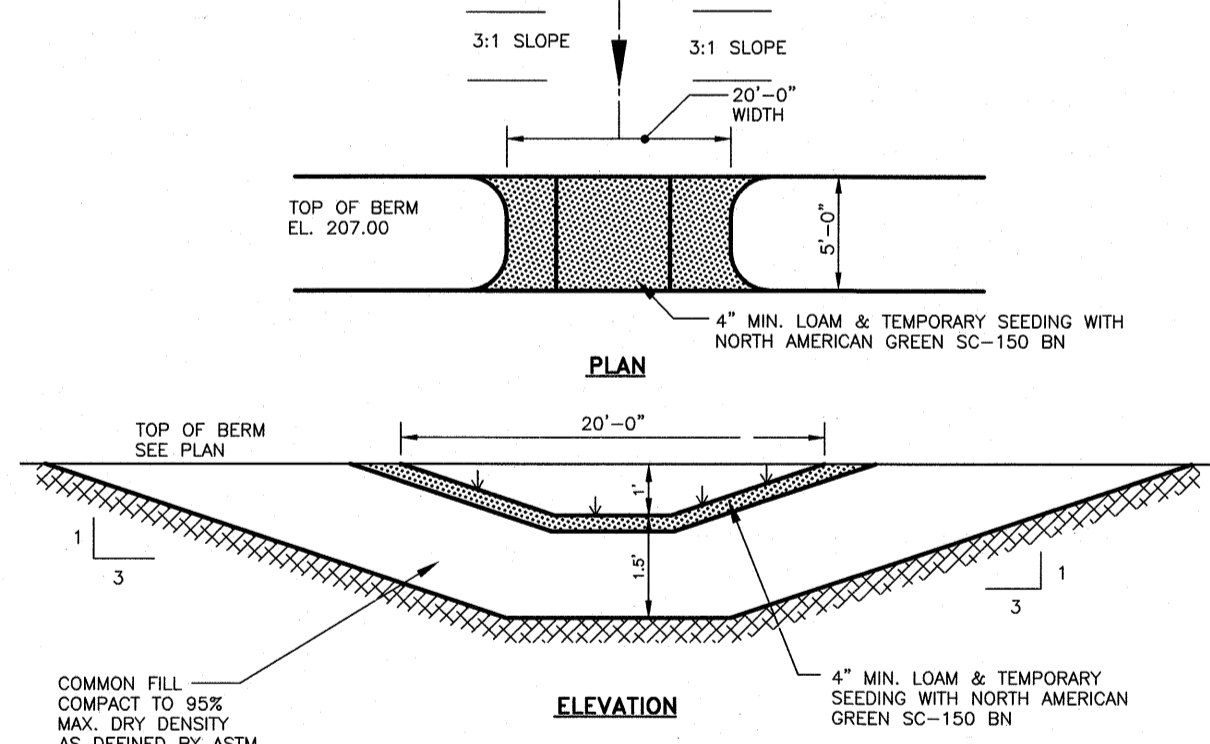
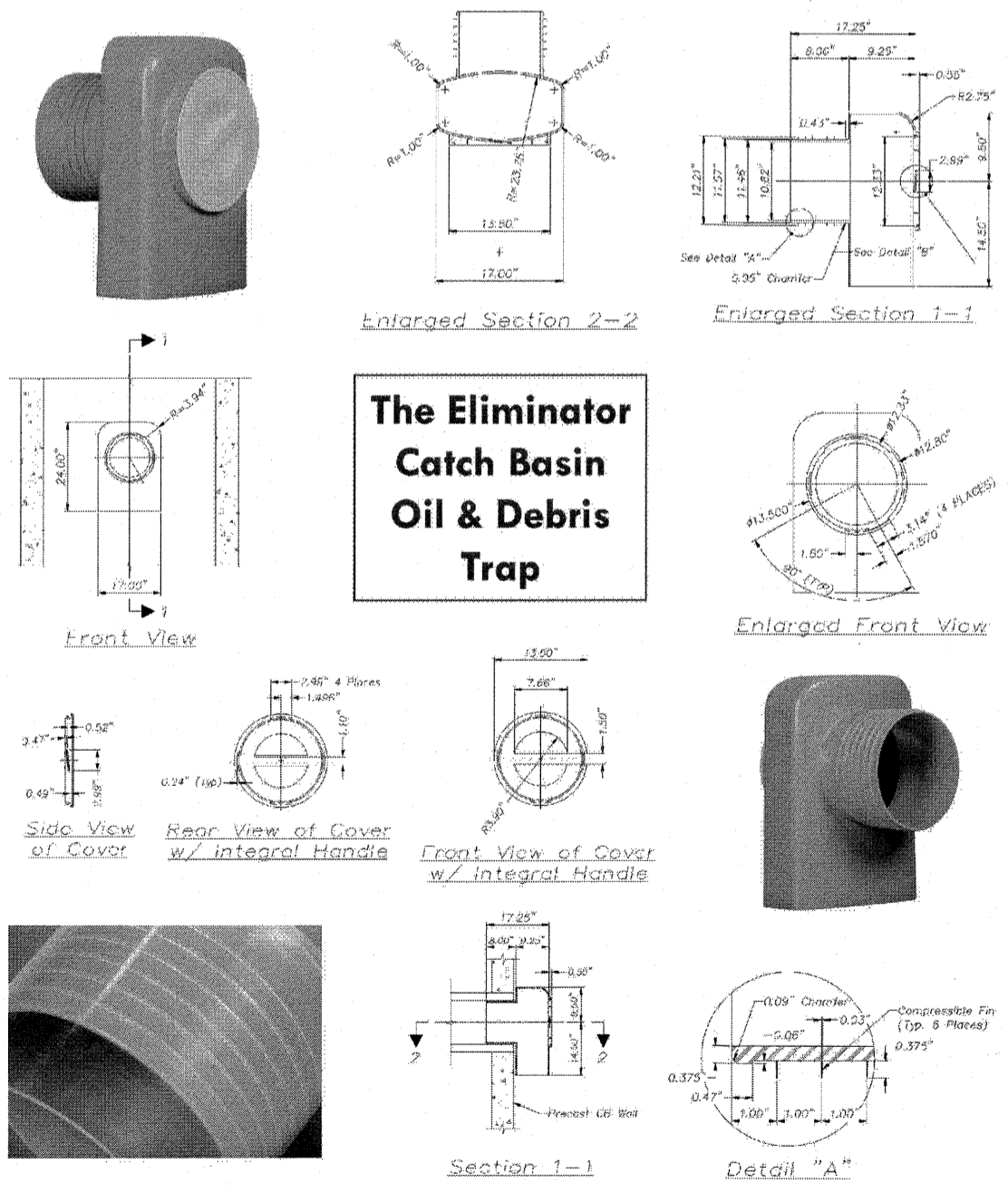
1. BEGIN AT THE TOP OF BLANKET INSTALLATION AREA BY ANCHORING BLANKET IN A 6" DEEP TRENCH. BACKFILL AND COMPACT TRENCH AFTER STAPLING.
2. ROLL THE BLANKET DOWN THE SLOPE IN THE DIRECTION OF THE WATER FLOW. LAY BLANKETS LOOSELY & MAINTAIN DIRECT CONTACT WITH SOIL - DO NOT STRETCH.
3. THE EDGES OF BLANKETS MUST BE STAPLED WITH APPROX. 4 INCH OVERLAP WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED.
4. WHEN BLANKETS MUST BE SPICED DOWN THE SLOPE, PLACE BLANKET END OVER END WITH 6 INCH (MIN.) OVERLAP AND ANCHOR DOWN SLOPE BLANKET IN A 6 INCH DEEP TRENCH.
5. BLANKETS SHALL BE STAPLED ENOUGH TO ANCHOR BLANKET WHILE MAINTAINING CONTACT WITH SOIL. STAPLES SHALL BE PLACED DOWN THE CENTER & STAGGERED WITH THE STAPLES PLACED ALONG EDGES. PATTERN & AMOUNT OF STAPLES VARIES BY MANUFACTURER, SO FOLLOW MANUFACTURER'S RECOMMENDATIONS.
6. BLANKET SHALL BE NORTH AMERICAN GREEN SC-150 OR APPROVED EQUAL.

MAINTENANCE & MATS

1. BLANKETS SHALL BE INSPECTED WEEKLY DURING CONSTRUCTION & AFTER A RAINFALL IN EXCESS OF 1/2" IN A 24-HOUR PERIOD.
2. FAILURES SHALL BE REPAIRED IMMEDIATELY. IF ANY OF THE FOLLOWING OCCUR: SLOPE WASHOUT, MAT DISPLACEMENT, DAMAGE TO MAT, THE AFFECTED AREA SHALL BE REPAIRED & RESEED & MAT SHALL BE REPLACED OR RE-INSTALLED.

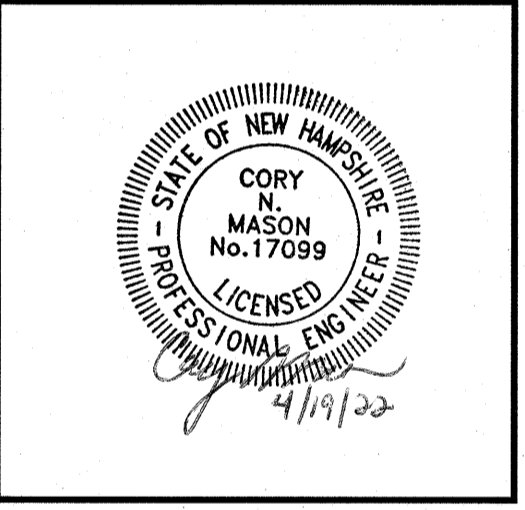
NOTE: DO NOT USE PRODUCTS THAT CONTAIN WELDED PLASTIC OR THAT ARE "PHOTODEGRADABLE". USE PRODUCTS WITH BIODEGRADABLE NETTING AND NATURAL FIBER MATERIAL (I.E. STRAW OR COCONUT FIBER).

BLANKET SLOPE PROTECTION FOR EROSION CONTROL
NOT TO SCALE



TEST PIT DATA

Test Pit No.	Depth	Horizon	Soil Texture	Color	Consistence	SCS Soil:	Pipestone
9-1	0-24"	A	Loamy Sand	10yr 3/2	FR	Standing Water:	None
	24-33"	B	Loamy Sand	10yr 5/8	FR	Roots:	None
	33-38"	C	Loamy Sand	2.5y 7/4	FR		None
	38"	R					Mottles; Quantity/Contrast



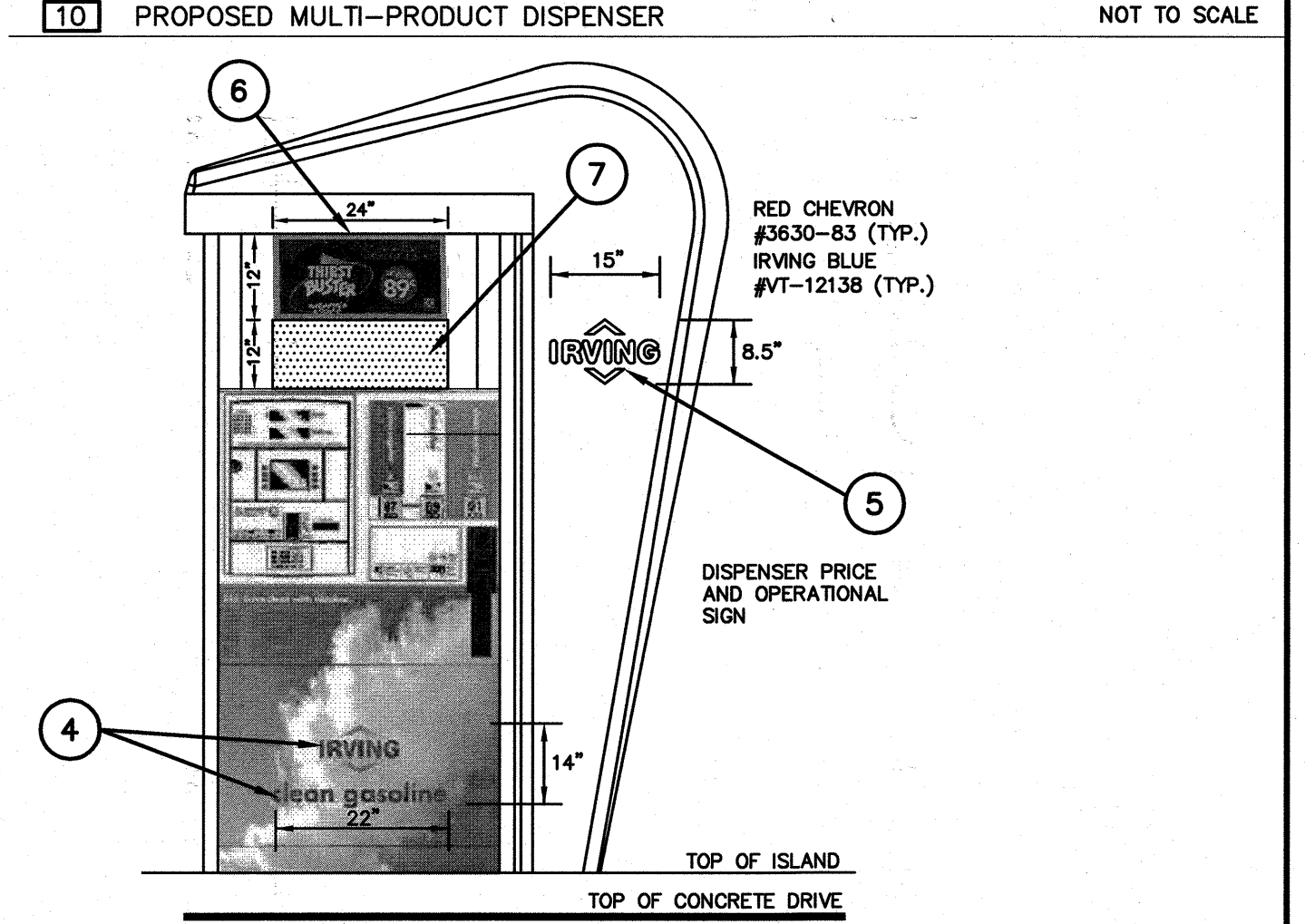
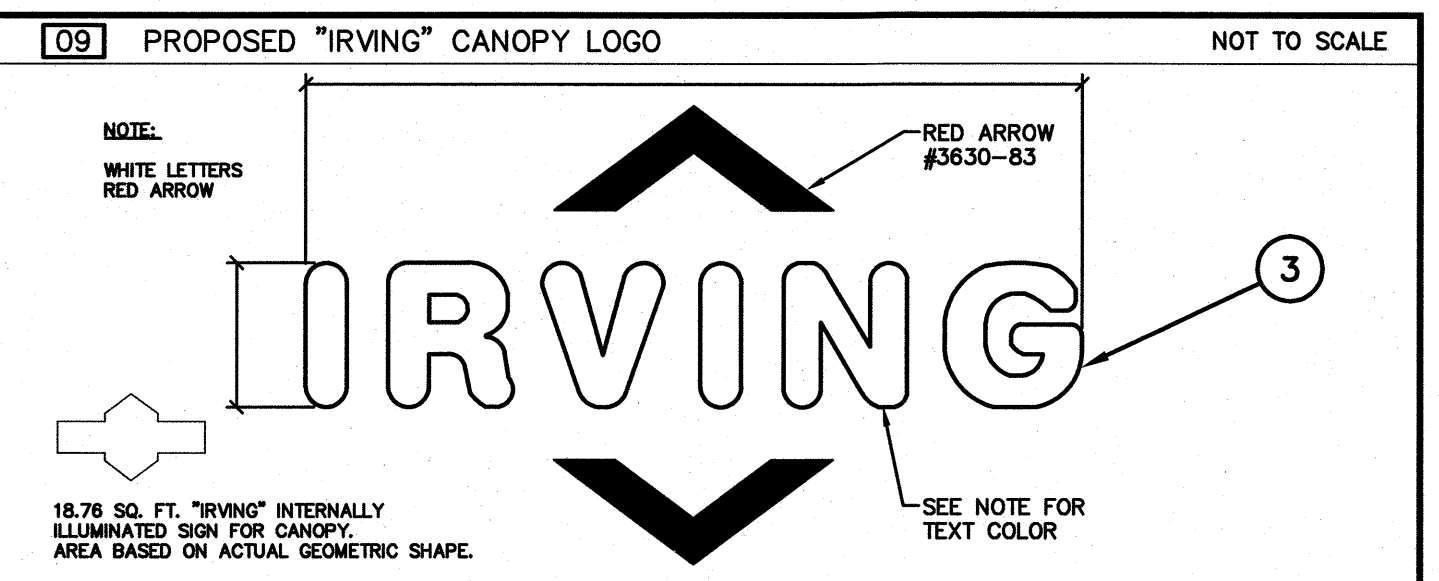
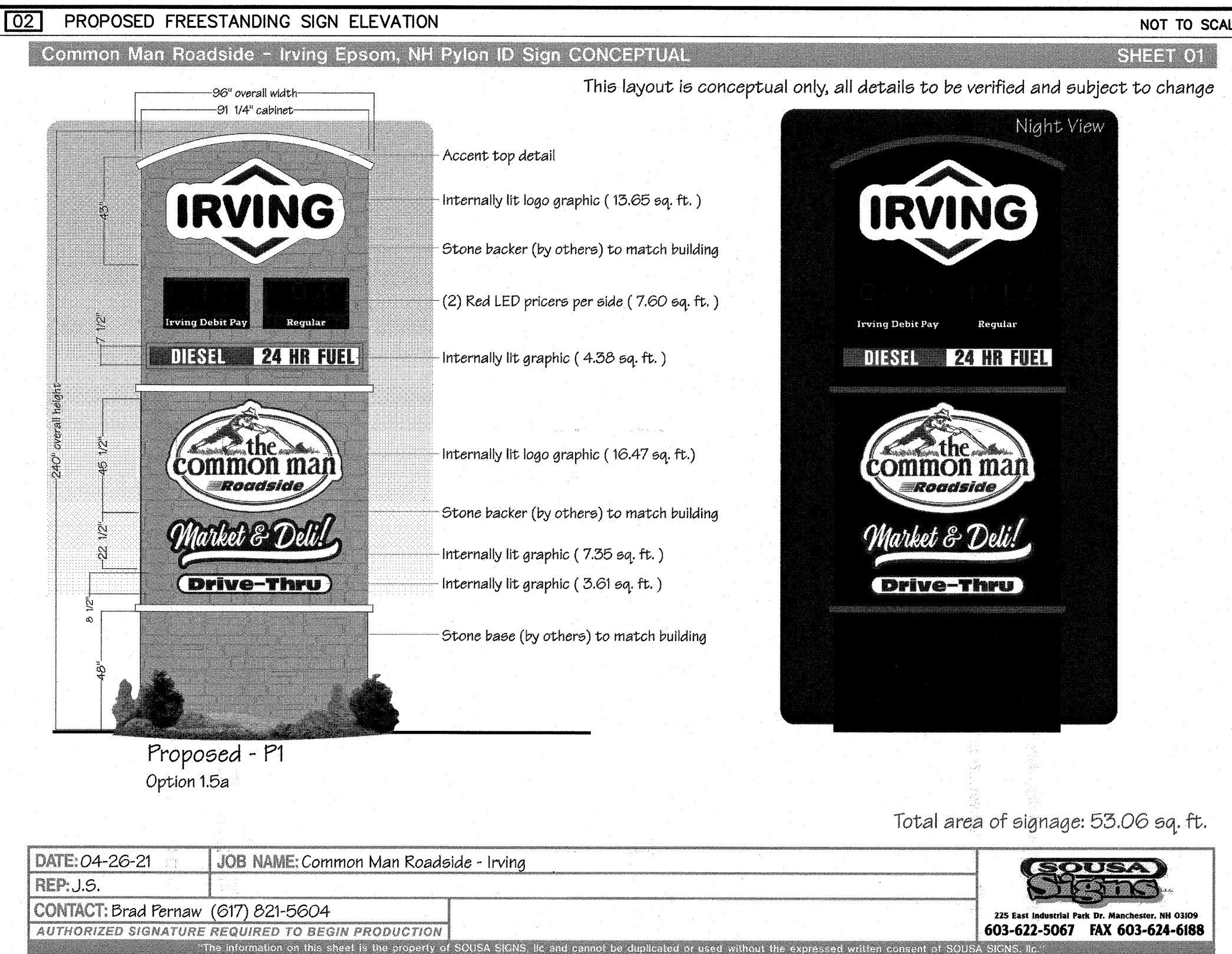
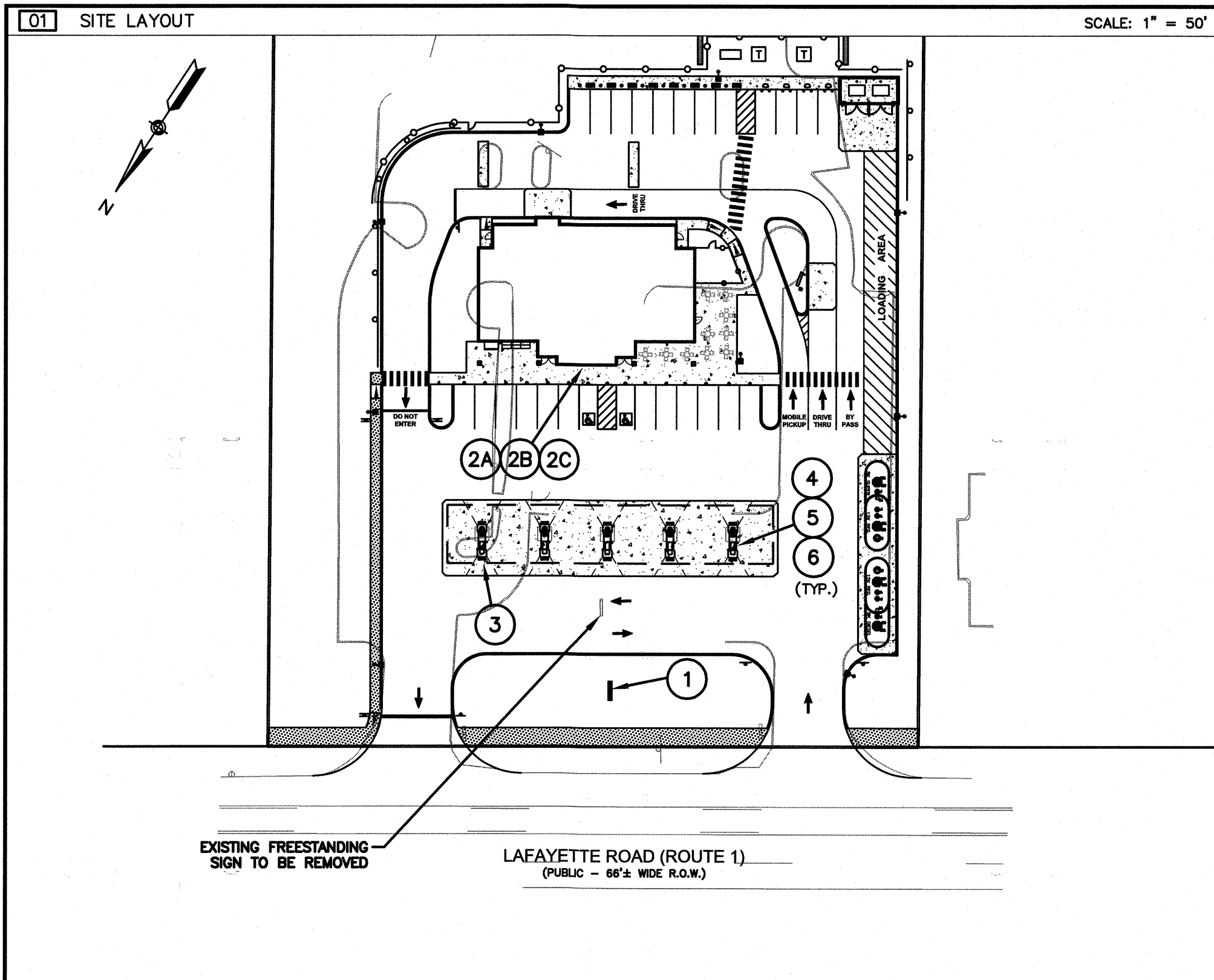
REVISIONS

NO.	REVISION	DATE
1	ADD ELIMINATOR DTL FROM SHEET 12	4/19/22

JANUARY 26, 2022

DRAWN/DESIGN BY: CCC/NID
CHECKED BY: DRJ

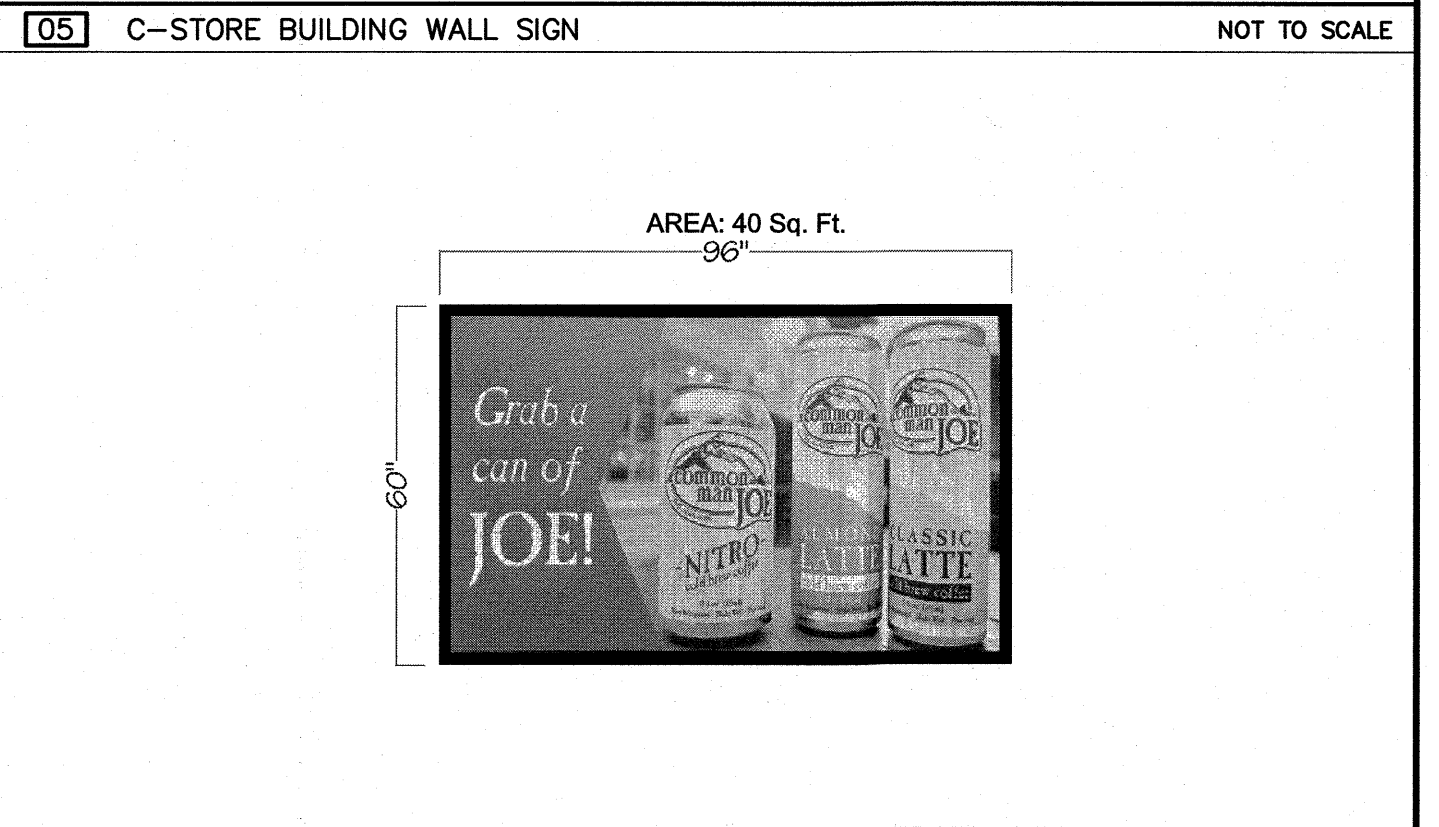
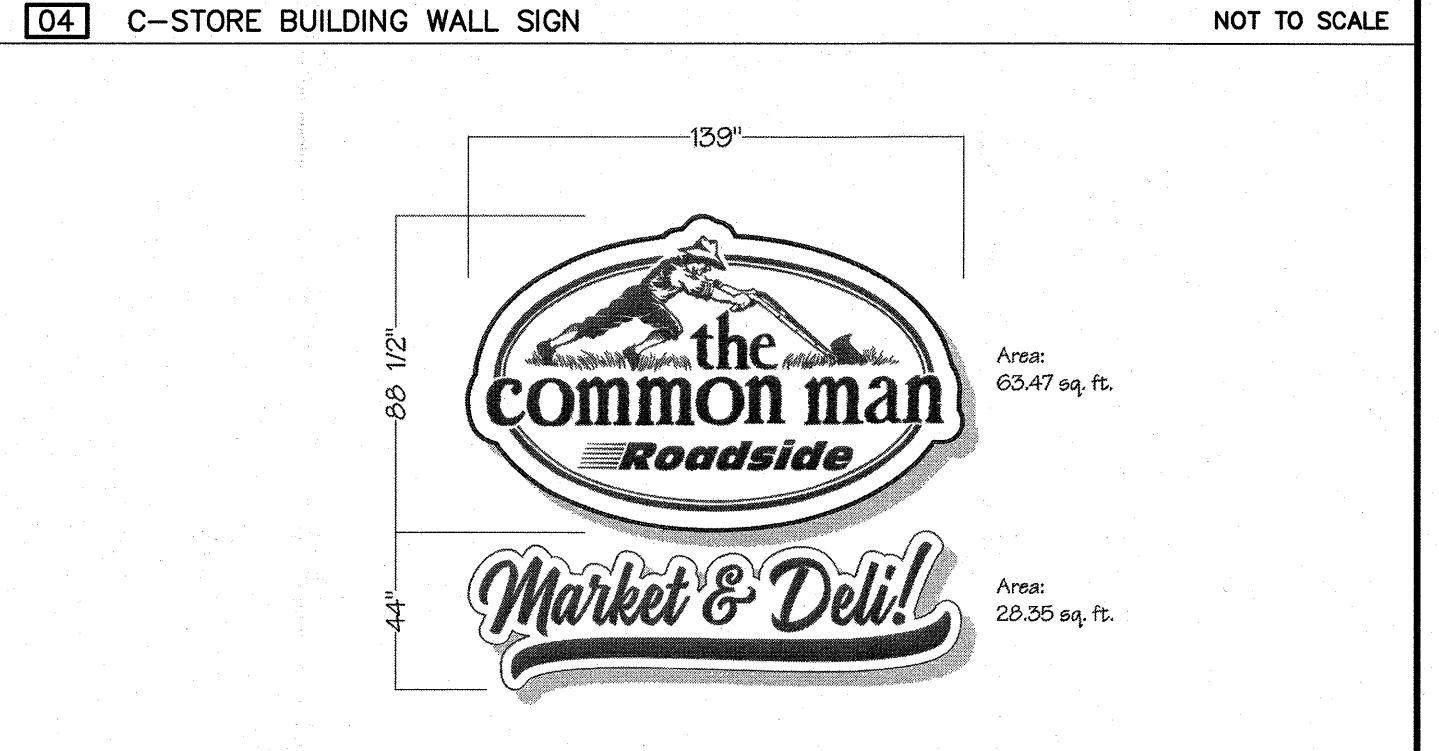
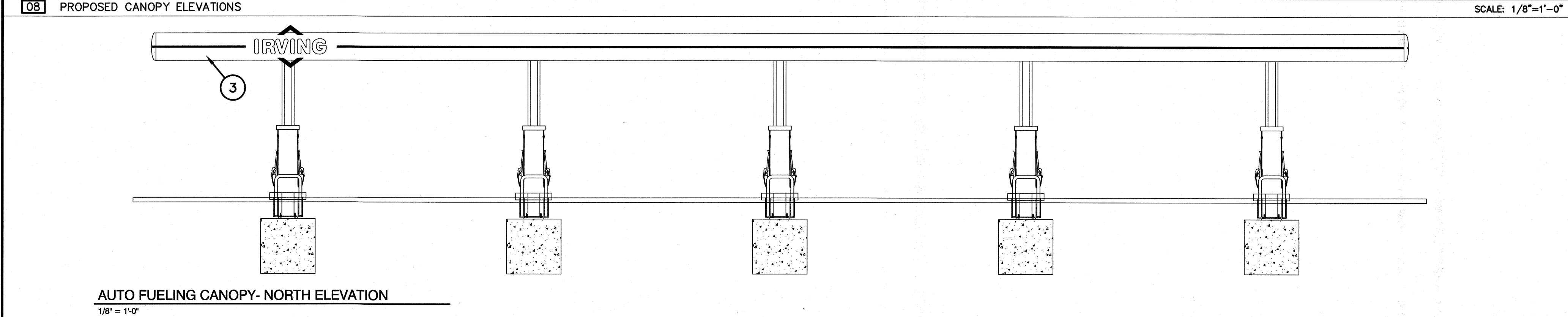
F:\Projects\NEX-2021163 - Portsmouth, NH - GSC\CAD Files\21163_DET.dwg DET-6 4/19/22 4:15pm ccall



06 PROPOSED SIGN SCHEDULE NOT TO SCALE

MARK	DESCRIPTION	SIZE	AREA	QTY.	TOTAL SF	ILLUM'D.
1	FREESTANDING SIGN	SEE DETAIL 2	100.0*	1	100.0	YES (INTERNAL)
2A	C-STORE WALL SIGN	SEE LOGO DETAIL 4	63.5	3	190.5	YES (INTERNAL)
2B	C-STORE WALL SIGN	SEE LOGO DETAIL 4	28.4	3	85.2	YES (INTERNAL)
2C	C-STORE WALL SIGN	SEE LOGO DETAIL 5	40.0	3	120.0	YES (INTERNAL)
3	"IRVING" CANOPY - LOGO SIGN	SEE LOGO DETAIL 9	18.76	3	56.28	YES (INTERNAL)
4	"IRVING" MPD DOOR GRAPHIC	SEE DISPENSER DETAIL 10	2.14	10	21.4	NO
5	"IRVING" DISPENSER SHROUD LOGO	SEE DISPENSER DETAIL 10	0.89	10	8.9	NO
6	"IRVING" DISPENSER ADVERTISING SIGN	SEE DISPENSER DETAIL 10	2.0	10	20.0	NO
7	DISPENSER PRICE SIGN	SEE DISPENSER DETAIL 10	2.0	10	20.0	NO

* INCLUDES BASE & STRUCTURE PER PORTSMOUTH REGULATIONS



GPI Engineering
Design
Planning
Construction Management
603.893.0720 GPINET.COM
Greenman-Pedersen, Inc.
44 Siles Road, Suite One
Salem, NH 03079

PREPARED FOR
GRANITE STATE
CONVENIENCE, LLC
25 SPRINGER ROAD
HOOKSETT, NH

PROPOSED RETAIL MOTOR
FUEL OUTLET
2255 LAFAYETTE ROAD
PORTSMOUTH, NH 03801

REVISIONS

NO.	REVISION	DATE

JANUARY 26, 2022

DRAWN/DESIGN BY: CCC/NID CHECKED BY: DRJ

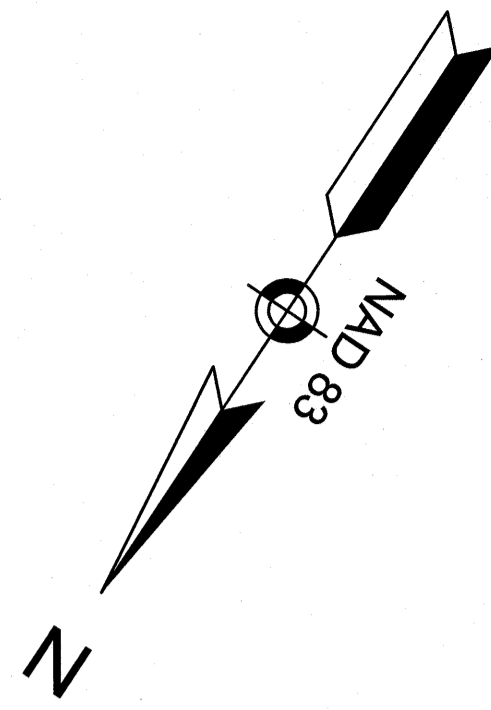
SIGN & GRAPHICS PLAN

SCALE: AS SHOWN

PROJECT NO. NEX-2021163

15 OF 15

F:\Projects\NEX-2021163 - Portsmouth, NH - OSC\CAD Files\21163_SIGN.dwg SIGN & GRAPHICS 4/19/22 4:15pm cccol



MAP 272 LOT 1
N/F 2219 LAFAYETTE ROAD LLC
549 US HIGHWAY 1 BYPASS
PORTSMOUTH, NH 03801
BOOK 5900 PAGE 1408

MAP 272 LOT 3
111,998 Sq.Ft.
2.571 Ac.±

MAP 272 LOT 2
N/F 2225 LAFAYETTE LLC
125 AVIATION AVENUE #202
PORTSMOUTH, NH 03801
BOOK 6250 PAGE 2553

SINGLE RESIDENCE
(A) DISTRICT
CORRIDOR DISTRICT
(G1)

MAP 272 LOT 4
N/F RYE PORT
PROPERTIES LLC
P.O. BOX 345
STRATHAM, NH 03885
BOOK 5083 PAGE 763

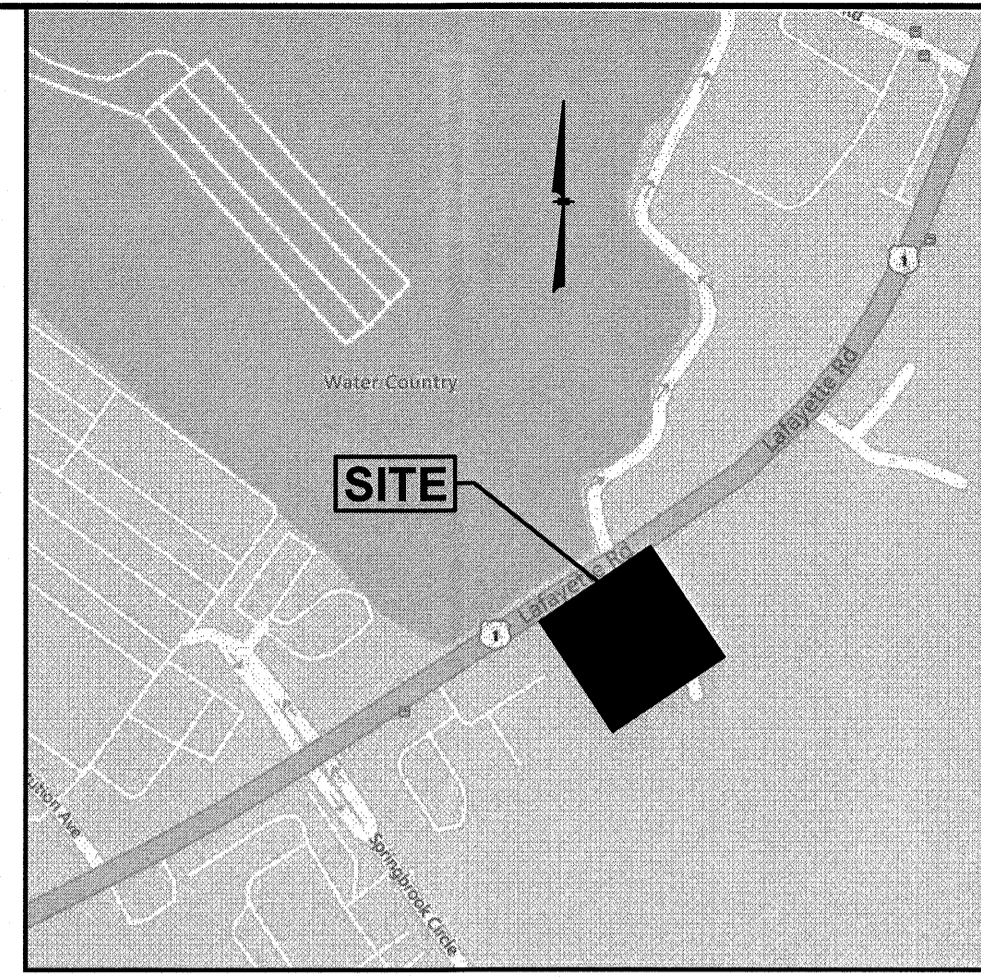
EDGE OF WETLANDS AS
DELINEATED BY WEST
ENVIRONMENTAL, INC. ON
JULY 30, 2021

PROP. TREELINE

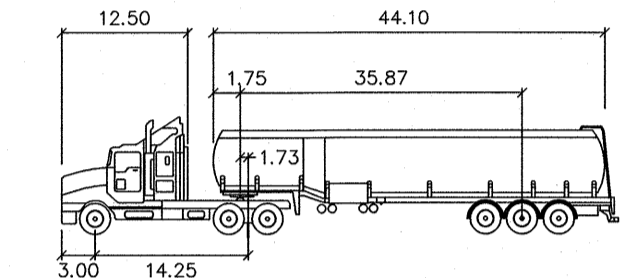
PROP. TREELINE

PROPOSED
4,970 SF± SANDWICH
SHOP/CONVENIENCE STORE
WITH DRIVE-THRU

LOADING AREA

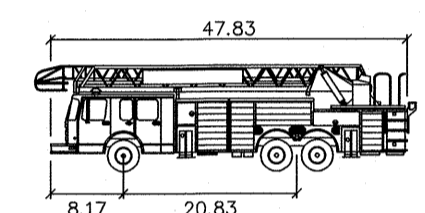


LOCATION MAP
(NOT TO SCALE)



FUEL TANKER

Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Tractor Track	: 8.50	Steering Angle	: 40.0
Trailer Track	: 8.00	Articulating Angle	: 70.0
Trailer Track	: 8.50		

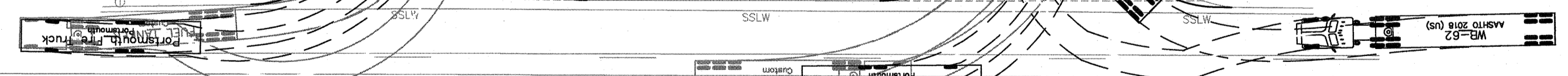


Portsmouth Fire Truck

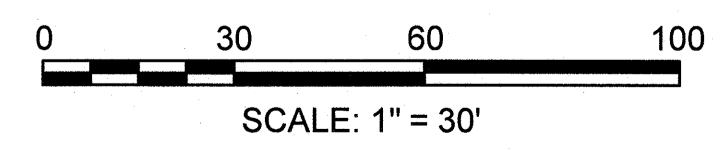
Width	: 8.50
Track	: 8.50
Lock to Lock Time	: 6.0
Steering Angle	: 38.0

LEGEND

- VGC VERTICAL GRANITE CURB
- SSLW SINGLE SOLID LINE WHITE
- G GAS LINE
- UNDERGROUND COMM
- W WATER LINE
- E UNDERGROUND ELECTRIC
- CHAIN LINK FENCE
- CONTOUR ELEVATION
- TREE
- UTILITY POLE
- GLY WIRE
- OVERHEAD WIRE
- TREELINE
- SIGN
- SPOT ELEVATION
- CATCH BASIN
- CLEANOUT
- SEWER MANHOLE
- TELEPHONE MANHOLE
- WATER SHUT OFF
- BOLLARD
- GAS METER
- LIGHT POLE
- WETLAND LINE
- EASEMENT LINE
- PROPERTY LINE
- ABUTTER PROPERTY LINE
- ZONE LINE



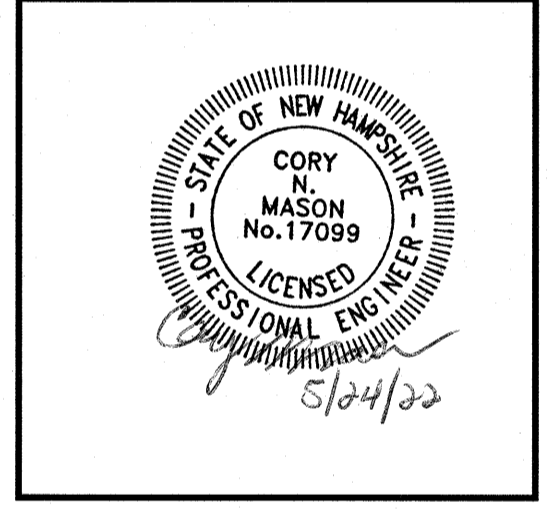
LAFAYETTE ROAD (ROUTE 1)
(PUBLIC - 66'± WIDE R.O.W.)



GPI Engineering
Design
Planning
Construction Management
803.893.0720 GPINET.COM
Greenman-Pedersen, Inc.
44 Stiles Road, Suite One
Salem, NH 03079

PREPARED FOR
GRANITE STATE
CONVENIENCE, LLC
25 SPRINGER ROAD
HOOKSETT, NH

**PROPOSED RETAIL MOTOR
FUEL OUTLET
2255 LAFAYETTE ROAD
PORTSMOUTH, NH 03801**



REVISIONS

NO.	REVISION	DATE
3	REV. PER TAC	5/10/22
2	MISC. REVISIONS	4/19/22
1	REV. PER CITY COMMENTS	3/22/22

JANUARY 26, 2022

DRAWN/DESIGN BY CCC/NID	CHECKED BY DRJ
----------------------------	-------------------

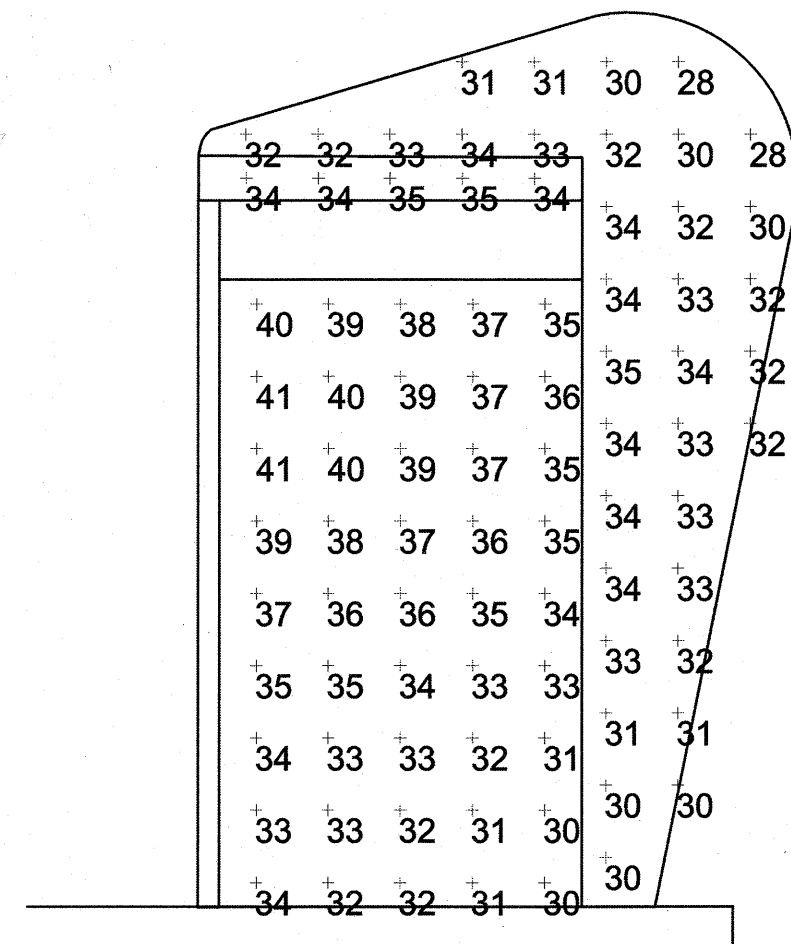
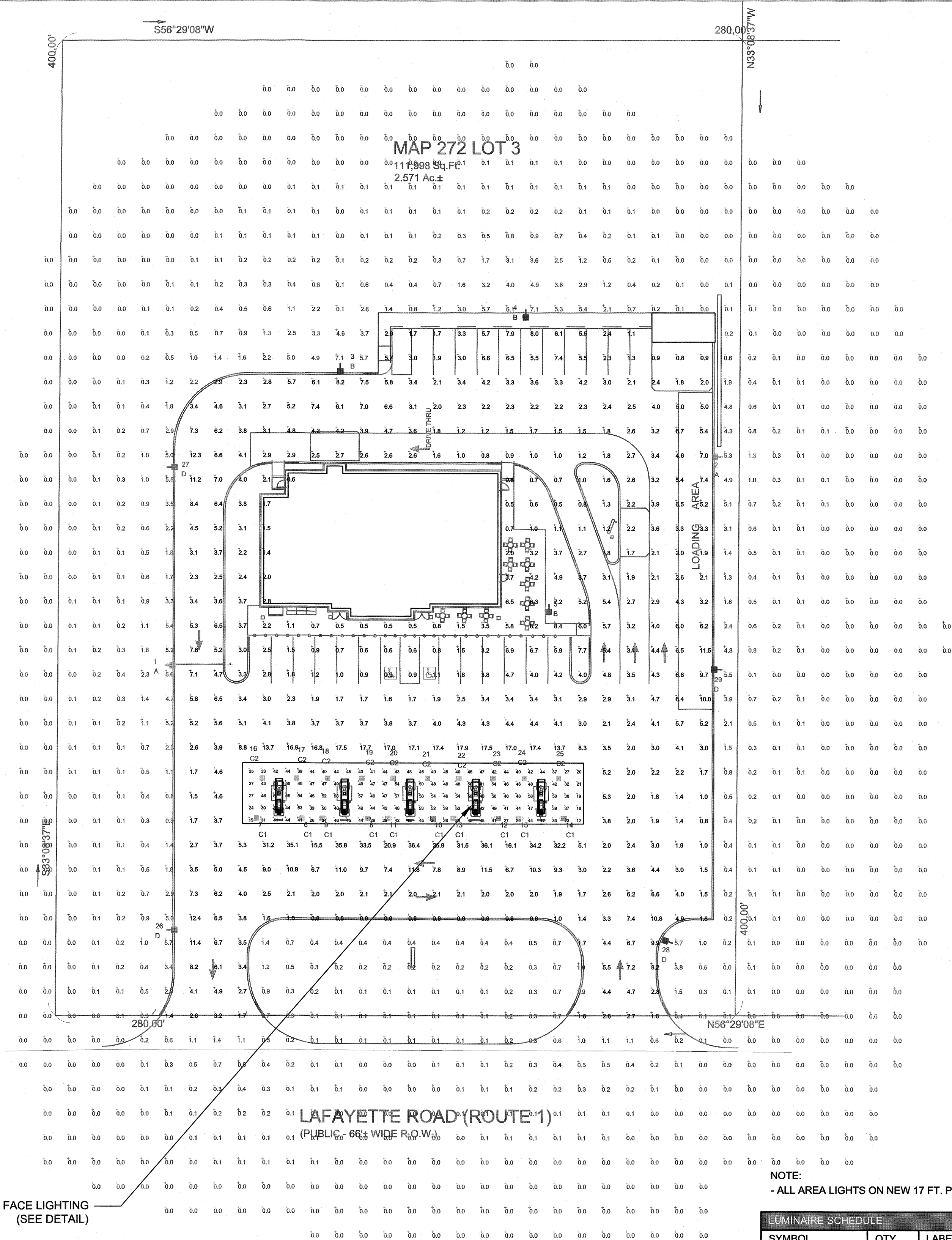
**TRUCK TURN
PLAN**

SCALE: 1"=30'

PROJECT NO.
NEX-2021163

1 OF 1





HARP FACE
VERTICAL LIGHTING DETAIL
SCALE: 1/2" = 1'

THIS SITE IS LOCATED IN A REGION WHERE
LIGHTING IS REGULATED BY LOCAL ORDINANCES

LUMINAIRE LOCATION SUMMARY		
LUM NO.	LABEL	MTG. HT.
1	A	19.5
2	A	19.5
3	B	19.5
4	B	19.5
5	B	19.5
6	C1	14.5
7	C1	14.5
8	C1	14.5
9	C1	14.5
10	C1	14.5
11	C1	14.5
12	C1	14.5
13	C1	14.5
14	C1	14.5
15	C1	14.5
16	C2	14.5
17	C2	14.5
18	C2	14.5
19	C2	14.5
20	C2	14.5
21	C2	14.5
22	C2	14.5
23	C2	14.5
24	C2	14.5
25	C2	14.5
26	D	19.5
27	D	19.5
28	D	19.5
29	D	19.5

FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES					
LABEL	AVG	MAX	MIN	AVGMIN	MAXMIN
IRVING HARP FACE (VERTICAL)	33.88	41	28	1.21	1.46
PAVED AREA	4.78	36.4	0.5	9.56	72.80
UNDEFINED	0.35	7.1	0.0	N.A.	N.A.
UNDER CANOPY	42.73	58	12	3.56	4.83

NOTE:
- ALL AREA LIGHTS ON NEW 17 FT. POLE MOUNTED ON 2-1/2 FT. CONCRETE BASE

LUMINAIRE SCHEDULE										
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	CATALOG LOGIC
	2	A	SINGLE	16998	1.030	B2-U0-G3	132	264	Cree Inc	OSQ-ML-B-DA-XX + OSQL-B-22L-57K7-4M-UL-NM-XX + OSQ-BLSLF
	3	B	SINGLE	22098	1.030	B3-U0-G3	132	396	Cree Inc	OSQ-ML-B-DA-XX + OSQL-B-22L-57K7-4M-UL-NM-XX
	10	C1	SINGLE	12862	1.030	B2-U1-G1	141	1410	RUUD LIGHTING, INC., A CREE COMPANY	CAN-304-AF-RS-06-E-UL-WH-700-57K
	10	C2	SINGLE	13251	1.030	B3-U0-G1	134	1340	CREE, INC.	CAN-304-SL-RS-06-E-UL-XX-700-57K
	4	D	Single	17499	1.030	B2-U0-G3	132	528	Cree Inc	OSQ-ML-B-DA-XX + OSQL-B-22L-57K7-3M-UL-NM-XX + OSQ-BLSLF

DISCLAIMER

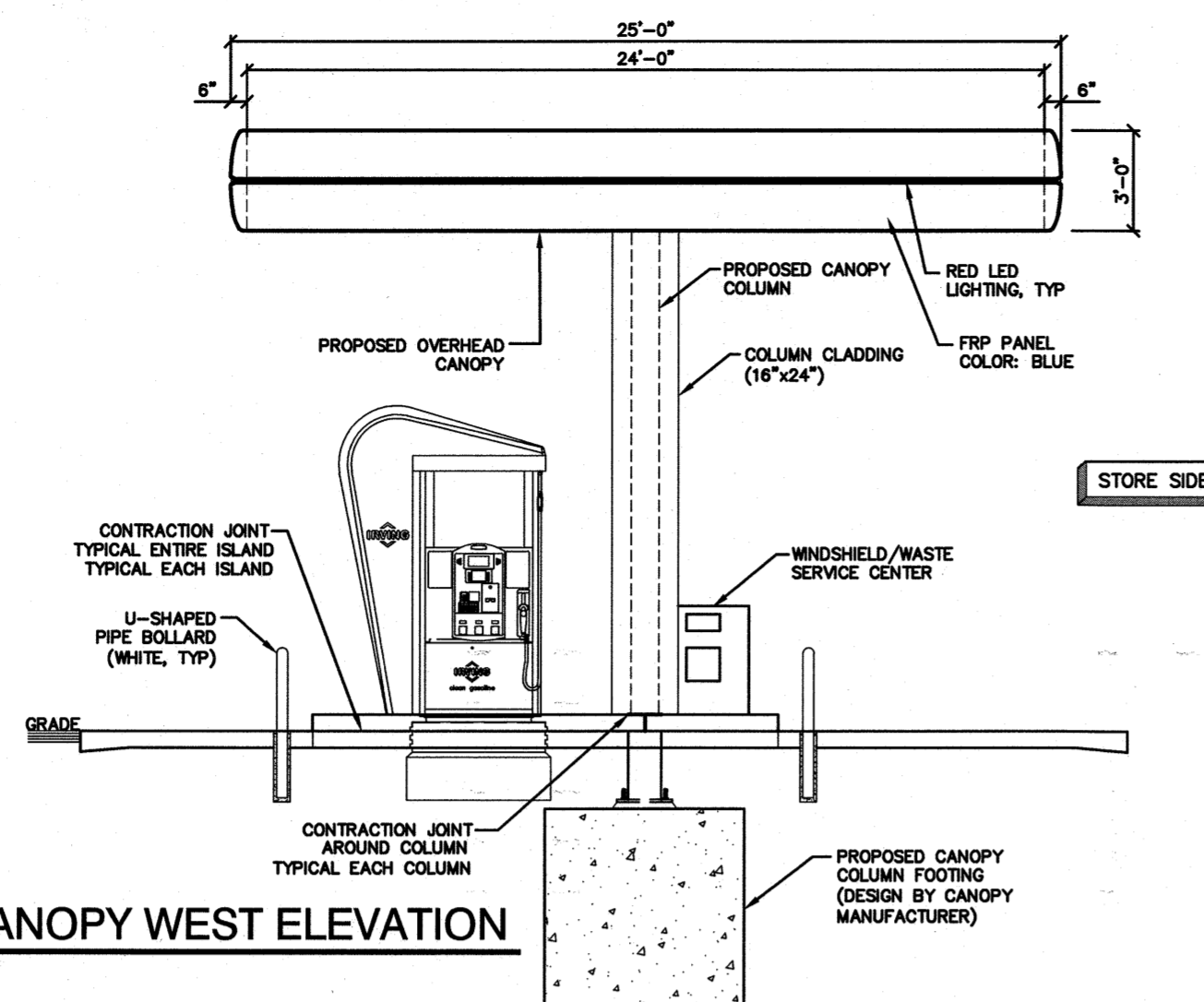
ANY SITE PLANS, FLOOR PLANS, RENDERINGS, LIGHTING LAYOUTS AND PHOTOMETRIC PLANS INCLUDING BUT NOT LIMITED TO ANY PROJECTS CREATED/PRODUCED BY RED LEONARD ASSOCIATES INC., ARE ONLY INTENDED FOR ILLUSTRATION AND QUOTING PURPOSES ONLY. RED LEONARD ASSOCIATES HAS THE RIGHT TO USE THIRD PARTY LASERS, SCANNERS, AND CAMERAS BUT ACTUAL PRODUCT CONDITIONS, DIMENSIONS, AND ACCURACY OF MEASUREMENTS MAY DIFFER FROM THOSE OR ANY PARAMETERS. RED LEONARD ASSOCIATES INC. ASSUMES NO LIABILITY FOR WHAT IS CREATED/PRODUCED IN THESE RENDERINGS. THIS INCLUDES BUT IS NOT LIMITED TO THE USE OF, INSTALLATION OF AND/OR INTEGRITY OF EXISTING BUILDINGS, SURROUNDING AREA FOR PRODUCTS SUCH AS EXISTING POLES, ANCHOR BOLTS, BASES, ARCHITECTURAL AND SIGNAGE STRUCTURES, LANDSCAPING PLANS, LIGHTING PLANS, FIXTURE SELECTIONS AND PLACEMENT, MATERIALS, COLOR ACCURACY, TEXTURES, AND ANYTHING ATTRIBUTED TO PHOTO REALISM THAT IS CREATED. FURTHERMORE, RED LEONARD ASSOCIATES INC. DOES NOT ASSUME LIABILITY WHATSOEVER FOR ANY PURCHASES MADE BY CLIENT BEFORE, DURING, OR AT THE CONCLUSION OF THE PUBLISHED WORK. THE CUSTOMER, ITS RELATIVE AFFILIATES, AS WELL AS ANY OTHER PERSONS IN VIEWING OF THIS PRODUCT IS RESPONSIBLE FOR VERIFYING COMPLIANCE WITH ANY BUT NOT LIMITED TO ALL CODES, PERMITS, RESTRICTIONS, INSTRUCTIONS, PURCHASES, AND INSTALLATIONS OF OBJECTS VIEWED WITHIN THIS DOCUMENT(S) OR PROJECT(S). SYMBOLS ARE NOT DRAWN TO SCALE. SIZE IS FOR CLARITY PURPOSES ONLY. SIZES AND DIMENSIONS ARE APPROXIMATE. ACTUAL MEASUREMENTS MAY VARY. DRAWINGS ARE NOT INTENDED FOR ENGINEERING OR CONSTRUCTION USE. THIS DOCUMENT, ANY RED LEONARD DRAWINGS, OR PROJECTS IS NOT TO BE USED AND/OR INTENDED FOR ENGINEERING OR CONSTRUCTION PURPOSES, BUT FOR ILLUSTRATIVE PURPOSES ONLY. ANY LOCATIONS OF EMERGENCY LIGHTING SHOWN WERE PROVIDED BY OTHERS. RED LEONARD ASSOCIATES IS NOT RESPONSIBLE FOR INSUFFICIENT LIGHTING DURING AN EMERGENCY EVENT. ANY USE OF THIS DOCUMENTATION AND/OR OTHER ARTICLES PRODUCED BY RED LEONARD WITHOUT WRITTEN AUTHORIZATION FROM JAYME L. LEONARD IS STRICTLY PROHIBITED.

SCALE:
1" = 30'
LAYOUT BY:
JSG
DATE:
1/10/22

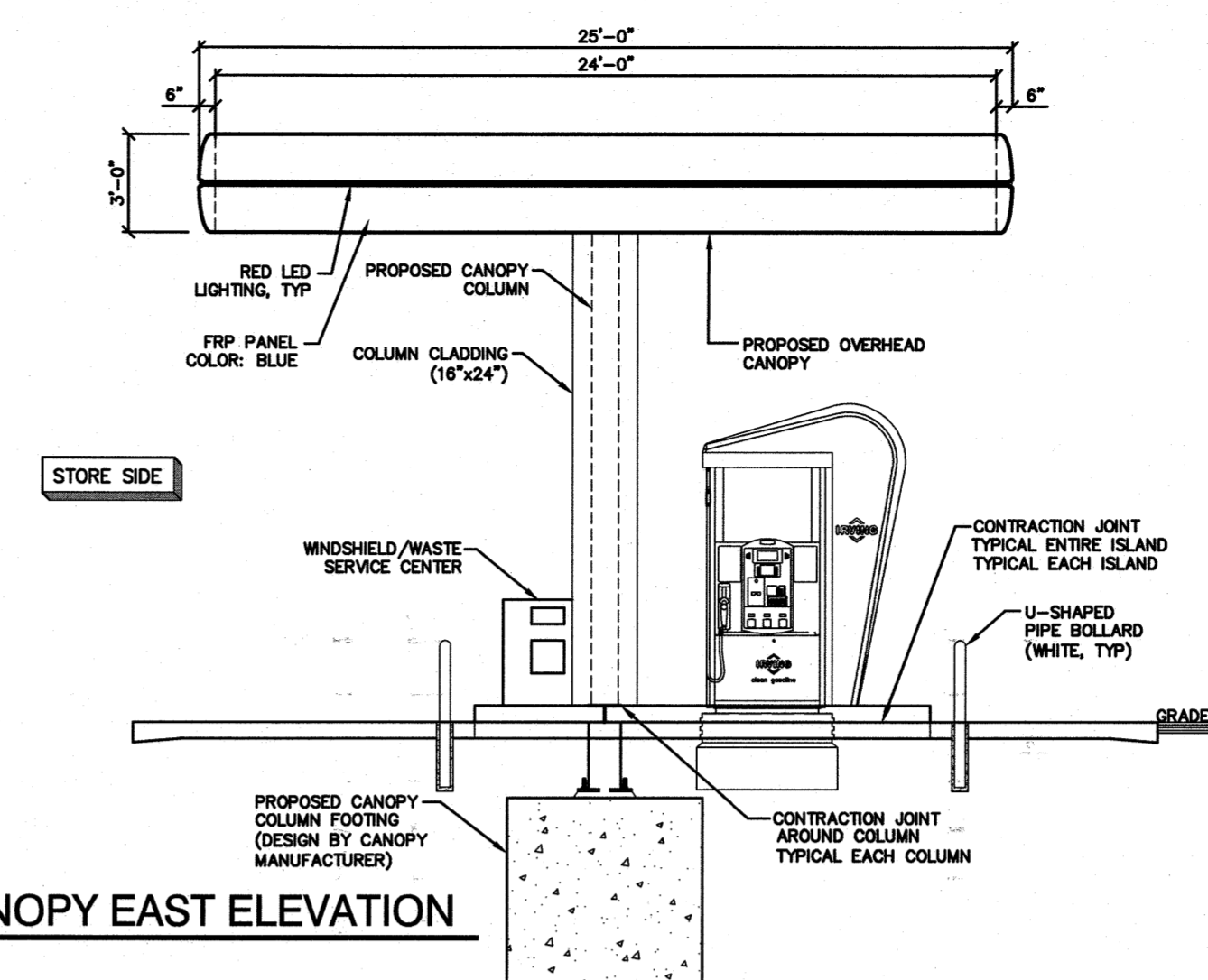
PROJECT NAME:
**IRVING OIL
GRANITE STATE C-STORE**
DRAWING NUMBER:
RL-7838-S1



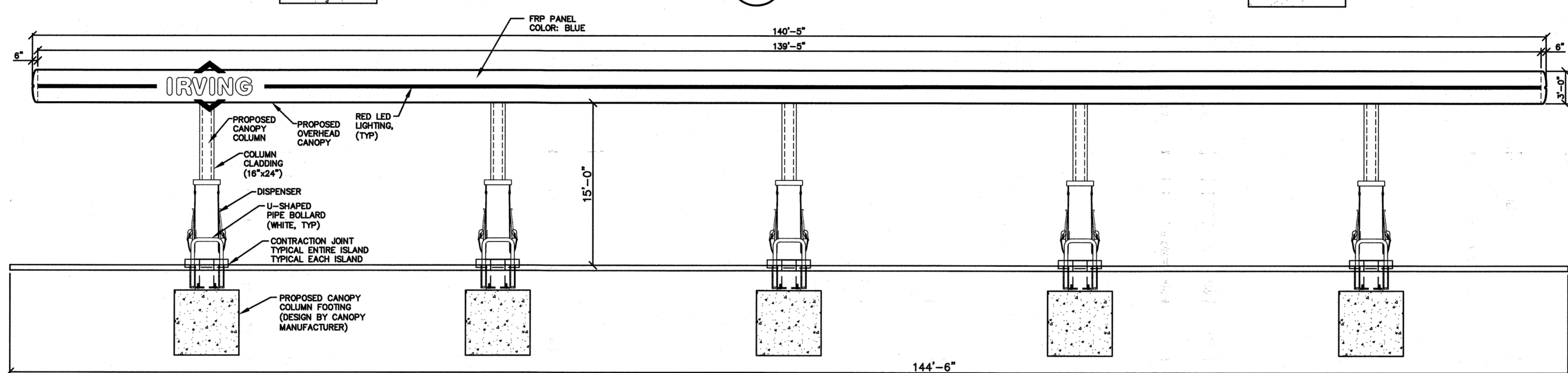
F:\Projects\NEX-2021163 - Portsmouth, NH - GSC\CAD Files\21163_CANOPY.dwg ELEVATIONS 1/28/22 4:31pm ccall



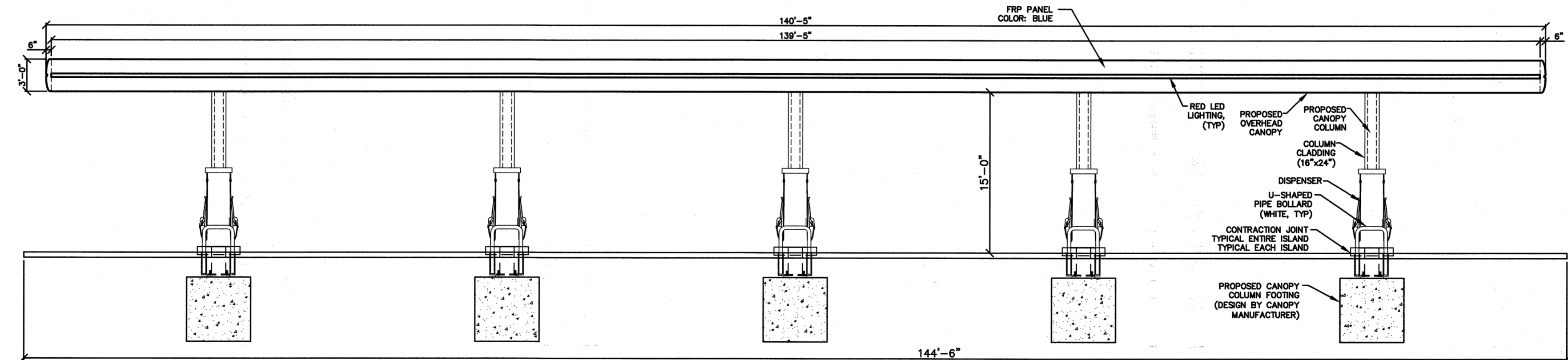
A AUTO FUELING - CANOPY WEST ELEVATION
3/16" = 1'-0"



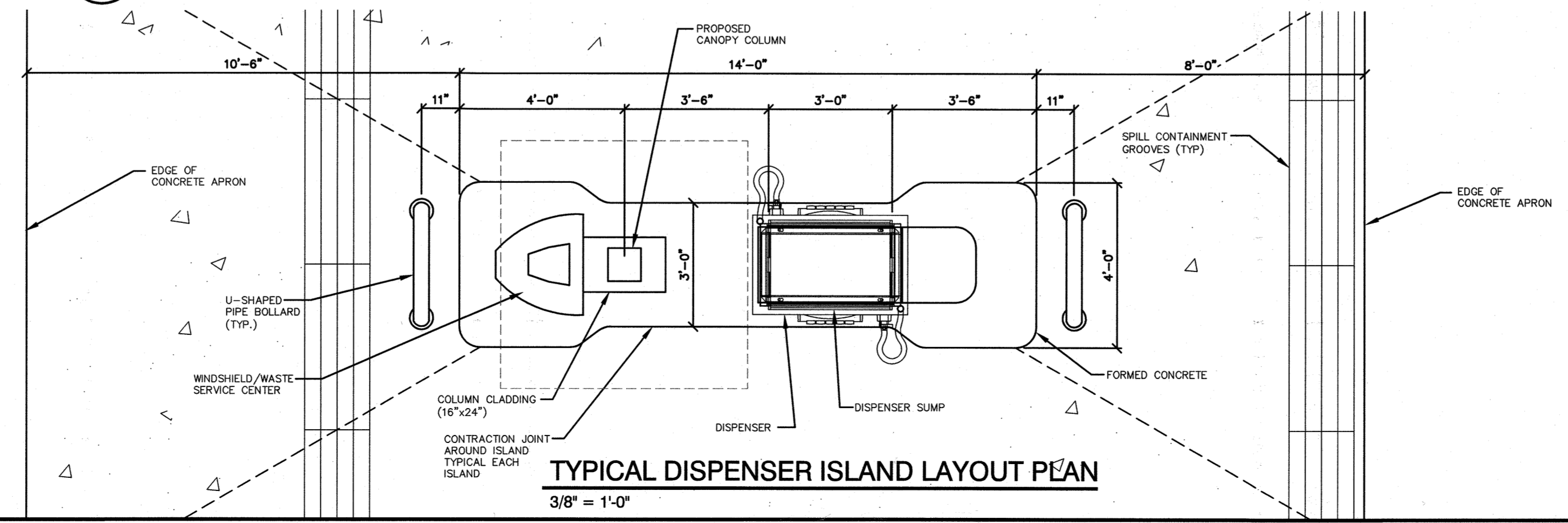
B AUTO FUELING - CANOPY EAST ELEVATION
3/16" = 1'-0"



1 AUTO FUELING CANOPY - NORTH ELEVATION
1/8" = 1'-0"



2 AUTO FUELING - CANOPY SOUTH ELEVATION
1/8" = 1'-0"



TYPICAL DISPENSER ISLAND LAYOUT PLAN
3/8" = 1'-0"

PREPARED FOR
GRANITE STATE
CONVENIENCE, LLC
25 SPRINGER ROAD
HOOKSETT, NH

**PROPOSED RETAIL MOTOR
FUEL OUTLET**
2255 LAFAYETTE ROAD
PORTSMOUTH, NH 03801

NO.	REVISION	DATE

NO.	REVISION	DATE

JANUARY 26, 2022
DRAWN/DESIGN BY: CCC/NID CHECKED BY: DRJ

**PROPOSED
CANOPY
ELEVATIONS**

SCALE: AS SHOWN

PROJECT NO. NEX-2021163

1 OF 1