

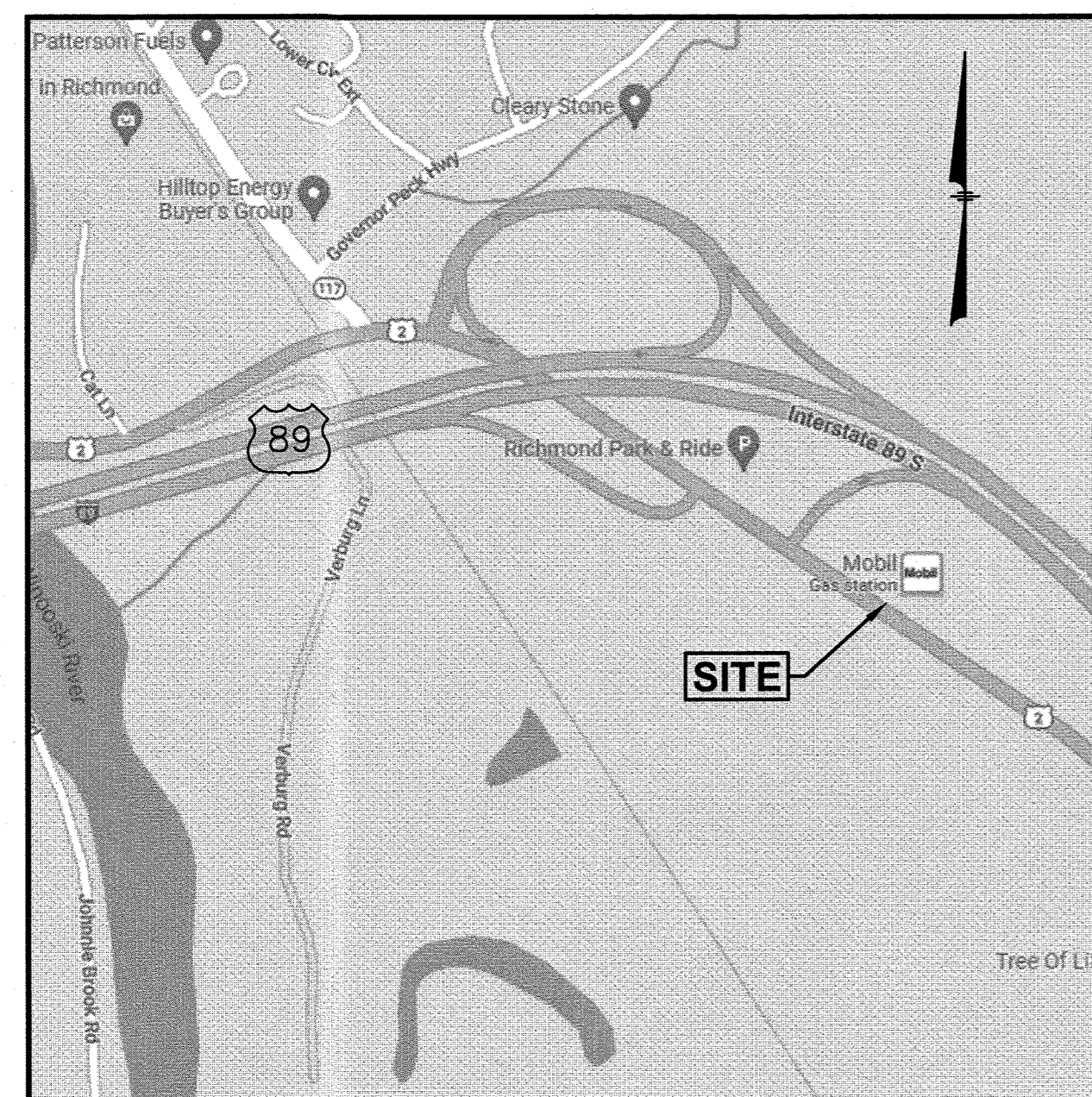
PROPOSED RETAIL MOTOR FUEL OUTLET SITE RE-DEVELOPMENT PLANS

for

**MAP 3 LOT WM1436
1436 WEST MAIN STREET
RICHMOND, VERMONT**

Prepared for:

**SUMMIT DISTRIBUTING, LLC
240 MECHANIC STREET
LEBANON, NH 03766**



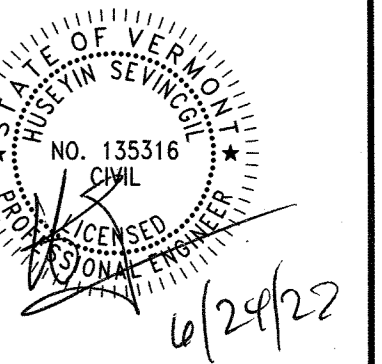
LOCATION MAP
(NOT TO SCALE)



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- 1 OF 1. BUILDING ELEVATIONS (E1)
- C201. WASTEWATER PLANS - OVERALL SITE PLAN BY TCE

**PROPOSED REDEVELOPMENT
ASSESSORS MAP 3 LOT WM1436
1436 WEST MAIN STREET
RICHMOND, VERMONT**



REVISIONS

NO.	REVISION	DATE
1	REV. SHEETS 4 & 10	6/24/22
JUNE 22, 2022		
DRAWN/DESIGN BY		CHECKED BY
SJB		HS

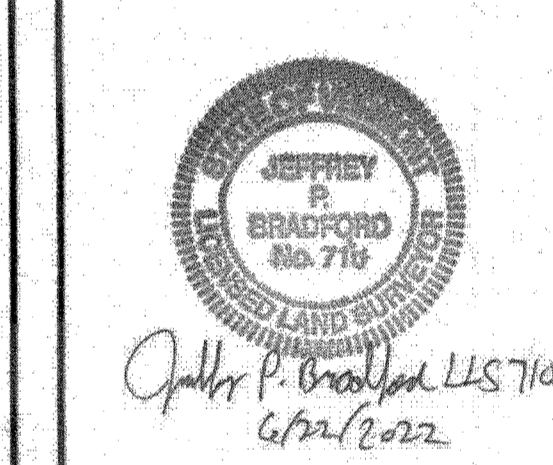
TITLE SHEET

SCALE:
NOT TO SCALE

NEX-465419

1 OF 12

**PROPOSED REDEVELOPMENT
 ASSESSORS MAP 3 LOT WM1436
 1436 WEST MAIN STREET
 RICHMOND, VERMONT**



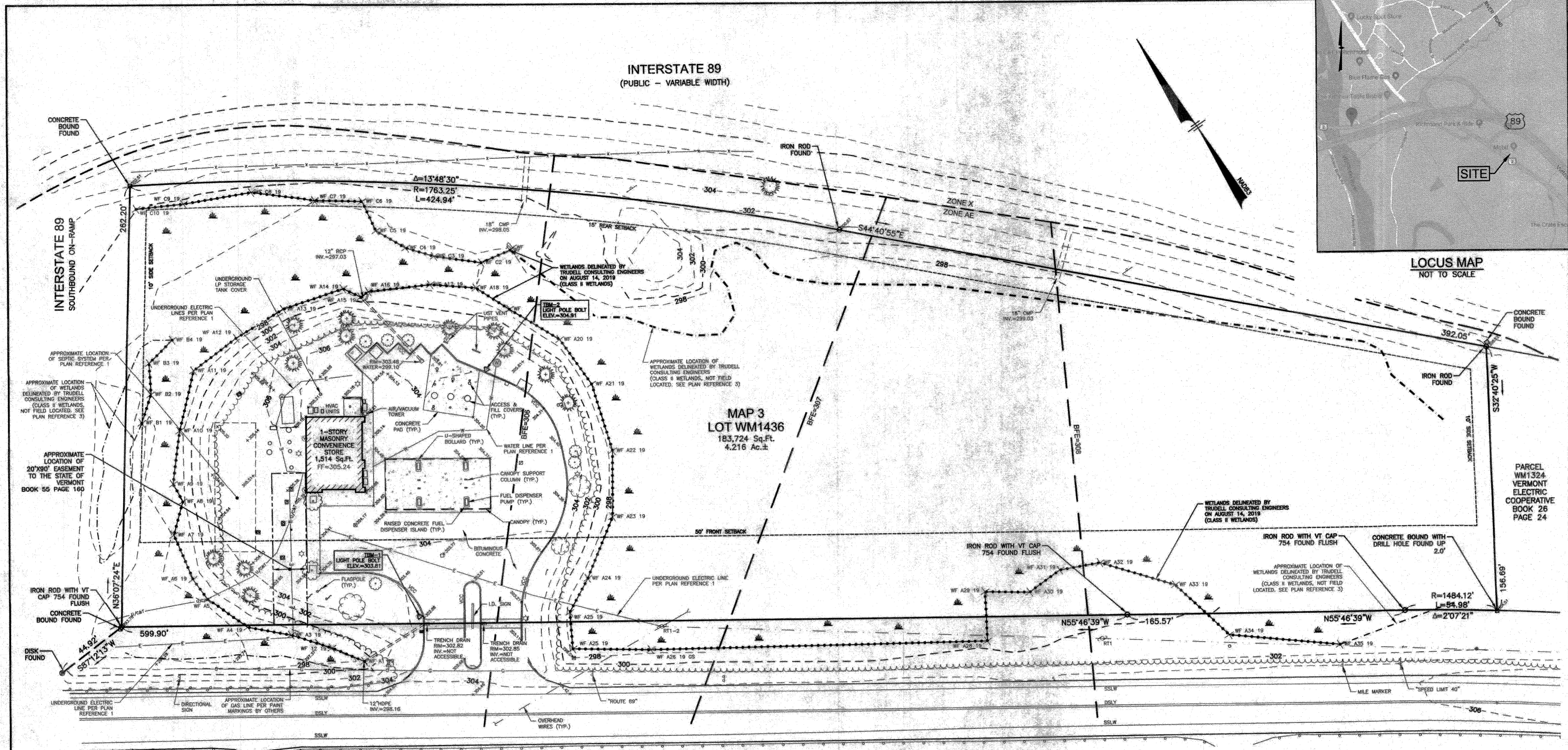
REVISIONS		
NO.	REVISION	DATE

EXISTING CONDITIONS PLAN

SCALE: 1"=30'

NEX-465419

2 OF 12



**MAP 3
 LOT WM1436
 183,724 Sq.Ft.
 4.216 Ac.±**

**WEST MAIN STREET - ROUTE 2
 (PUBLIC - VARIABLE WIDTH)**

LEGEND

VC	VERTICAL CONCRETE CURB	VE	VENT
DSLY	DOUBLE SOLID LINE YELLOW	SE	SPOT ELEVATION
SSLW	SINGLE SOLID LINE WHITE	CE	CONTOUR ELEVATION
G	GAS LINE	MG	METAL GUARDRAIL
W	WATER LINE	T	TREELINE
U	UTILITY POLE	TR	TREE
GW	GUY WIRE	S	SIGN
EM	ELECTRIC METER	B	BOLLARD
MW	MONITORING WELL	WL	WETLAND LINE (FIELD LOCATED)
LP	LIGHT POLE	AWL	WETLAND LINE (APPROXIMATE)
OW	OVERHEAD WIRE	D	DITCH LINE
PB	PULL BOX	E	EASEMENT LINE
GV	GAS VALVE	PL	PROPERTY LINE
RD	ROOF DRAIN	APL	ABUTTER PROPERTY LINE
W	WELL	BS	BUILDING SETBACK
CB	CATCH BASIN	FL	FLOOD ZONE LINE
CO	CLEANOUT	BFE	BASE FLOOD ELEVATION (BFE)

PLAN REFERENCES:

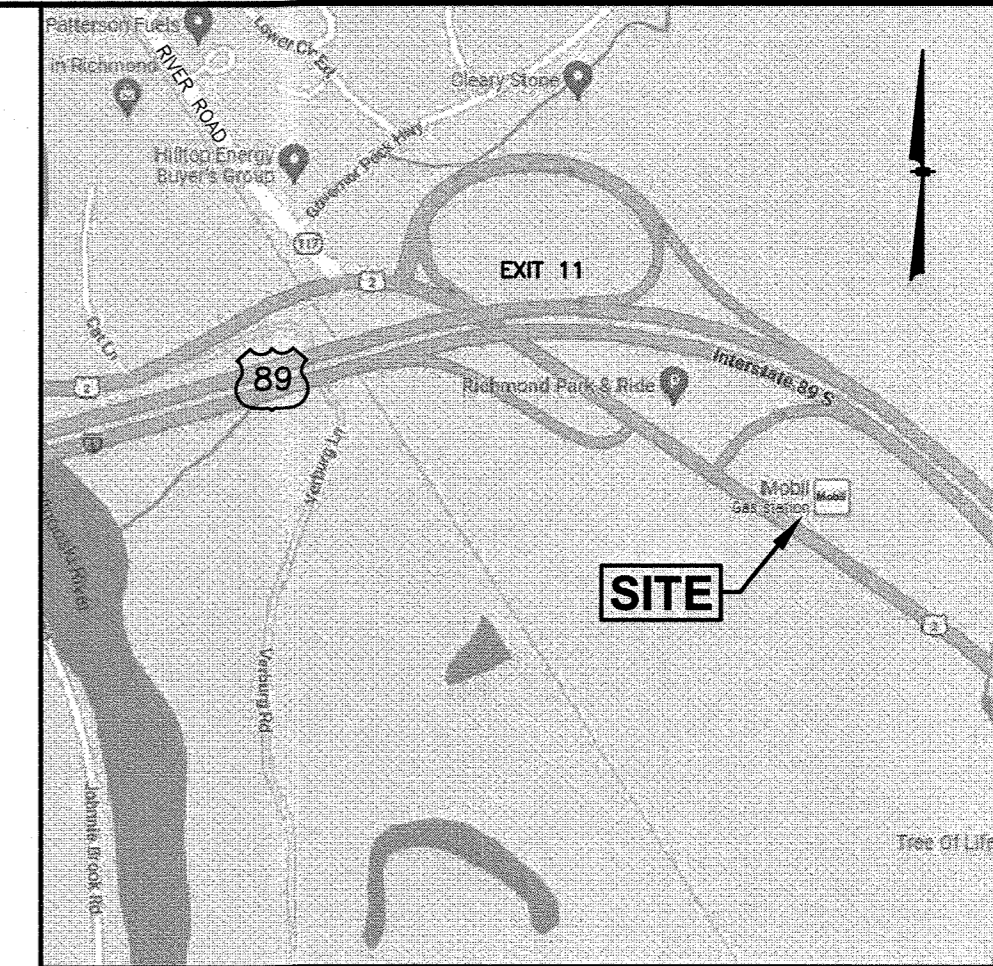
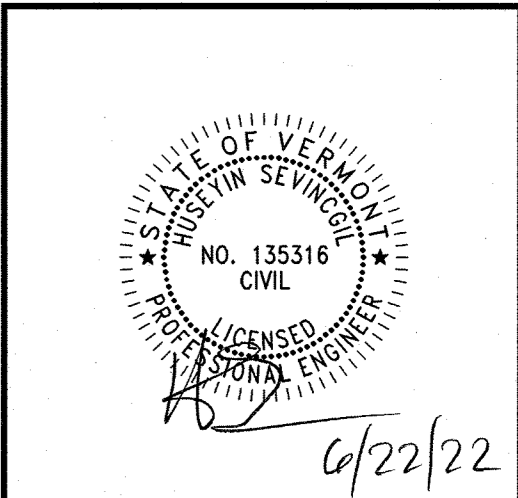
- "ALTA/ACSM LAND TITLE SURVEY;" PREPARED FOR BREED PROPERTIES II; PREPARED BY PATHWAYS CONSULTING, LLC; SCALE: 1"=50'; DATED: NOVEMBER 16, 2004 PROVIDED BY CLIENT.
- STATE OF VERMONT AGENCY OF TRANSPORTATION US ROUTE 2 STATUTORY SURVEY, RICHMOND, CHITTENDEN COUNTY, VT PREPARED BY HORIZONS ENGINEERING DATED 10/4/2019.
- WASTEWATER PLANS - "SUMMIT DISTRIBUTING 1436 WEST MAIN STREET RICHMOND VERMONT" PLANS PREPARED BY TRUDELL CONSULTING ENGINEERS REVISED THROUGH 2/25/2020.

0 30 60 100
 SCALE: 1" = 30'

OWNER OF RECORD:
 MAP 3 WM1436
 SUMMIT DISTRIBUTING, LLC
 240 MECHANIC STREET
 LEBANON, NH 03766
 BOOK 172 PAGE 74

NOTES:

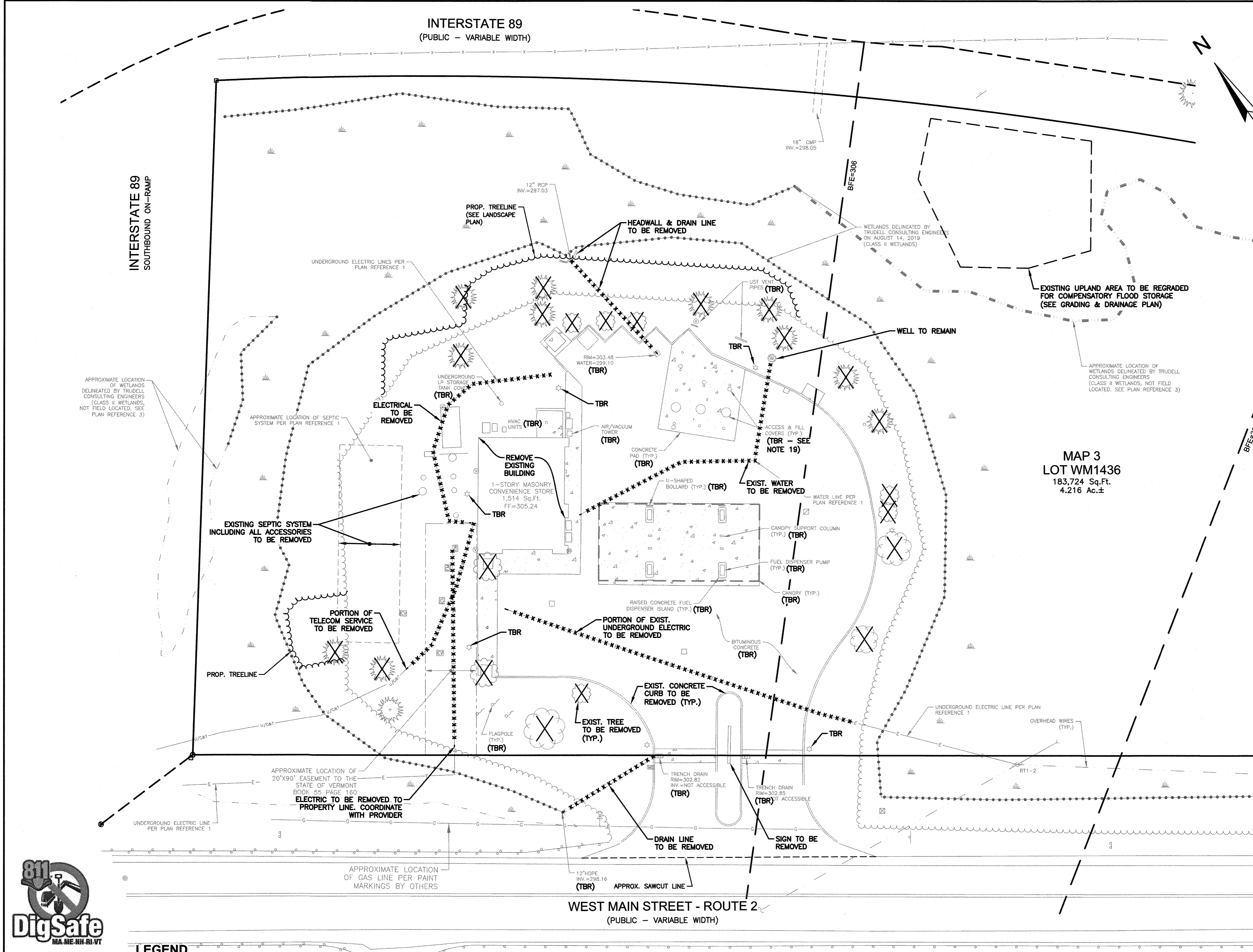
- 1) ZONE: INDUSTRIAL/COMMERCIAL DISTRICT (IC)
 MIN. LOT SIZE: 43,560 Sq.Ft. (1 ACRE)
 MIN. LOT FRONTAGE: 100 FT.
 SETBACKS:
 FRONT 50 FT.
 SIDE 15 FT. (PRINCIPAL) / 10 FT. (ACCESSORY)
 REAR 15 FT. (PRINCIPAL) / 10 FT. (ACCESSORY)
 REFER TO THE TOWN OF RICHMOND ZONING ORDINANCE FOR VERIFICATION, ADDITIONAL RESTRICTIONS AND PERMITTED USES. THE ZONING INFORMATION SHOWN HEREON IS BASED ON A REVIEW OF THE RICHMOND ZONING ORDINANCE.
- 2) THIS PLAN IS THE RESULT OF AN ON-THE-GROUND FIELD SURVEY PERFORMED BY THIS OFFICE BETWEEN AUGUST 2019 AND AUGUST, 2020.
- 3) WETLAND FLAGS WERE DELINEATED BY TRUDELL CONSULTING ENGINEERS ON AUGUST 14, 2019 AND LOCATED BY THIS OFFICE.
- 4) BEARINGS SHOWN HEREON ARE BASED ON NAD83 PER GPS OBSERVATIONS PERFORMED BY THIS OFFICE ON AUGUST 14, 2019.
- 5) ELEVATIONS SHOWN HEREON ARE BASED ON NAVD88 PER GPS OBSERVATIONS PERFORMED BY THIS OFFICE ON AUGUST 14, 2019.
- 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 LOCATED IN A SPECIAL FLOOD HAZARD AREA (100 YEAR FLOOD) ZONE AE, WITH BASE FLOOD ELEVATIONS DETERMINED, PER FLOOD INSURANCE RATE MAP NUMBER 50007C0292E, WITH AN EFFECTIVE DATE OF AUGUST 4, 2014. BASE FLOOD ELEVATIONS SHOWN HEREON ARE BASED ON SAID FLOOD INSURANCE RATE MAP.
- 8) NO CLEARLY IDENTIFIABLE PARKING SPACES WERE OBSERVED IN CONDUCTING THIS SURVEY.



LOCATION MAP
(NOT TO SCALE)

NOTES:

- 1) A DEMOLITION PERMIT MUST BE OBTAINED FROM THE TOWN OF RICHMOND 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 GRADING & DRAINAGE 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 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 ADJACENT 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) 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.
- 16) ALL WORK WITHIN ROADWAY RIGHT-OF-WAYS TO CONFORM TO TOWN OF RICHMOND STANDARDS.
- 17) THE LIMITS OF WORK SHALL BE CLEARLY MARKED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION OR SITE CLEARING.
- 18) 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.
- 19) THE CLOSURE AND REMOVAL OF THE EXISTING UNDERGROUND STORAGE TANK SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH THE VERMONT DEC UST PROGRAM AT LEAST 5 BUSINESS DAYS PRIOR TO THE COMMENCEMENT OF CLOSURE.

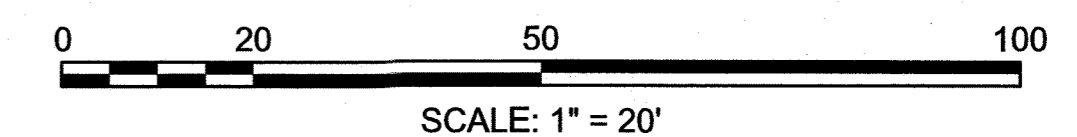


MAP 3
LOT WM1436
183,724 Sq.Ft.
4.216 Ac.±

LEGEND

— VCC	VERTICAL CONCRETE CURB	⊗	ROOF DRAIN
— DS LY	DOUBLE SOLID LINE YELLOW	⊙	CLEANOUT
— SSL W	SINGLE SOLID LINE WHITE	⊕	VENT
— G	GAS LINE	⊖	SPOT ELEVATION
— W	WATER LINE	90	CONTOUR ELEVATION
— U	UTILITY POLE	—	METAL GUARDRAIL
— GUY	GUY WIRE	⊖	TREELINE
⊖	ELECTRIC METER	⊖	TREE
⊕	MONITORING WELL	⊕	SIGN
⊕	LIGHT POLE	⊕	BOLLARD
⊕	OVERHEAD WIRE	⊕	WETLAND LINE
⊕	PULL BOX	⊕	DITCH LINE
⊕	GAS VALVE	⊕	EASEMENT LINE
⊕	CATCH BASIN	⊕	PROPERTY LINE
⊕	WELL	⊕	ABUTTER PROPERTY LINE
TBR	TO BE REMOVED	⊕	BUILDING SETBACK
*****	TO BE REMOVED		

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



REVISIONS		
NO.	REVISION	DATE

DRAWN/DESIGN BY: SJB CHECKED BY: HS

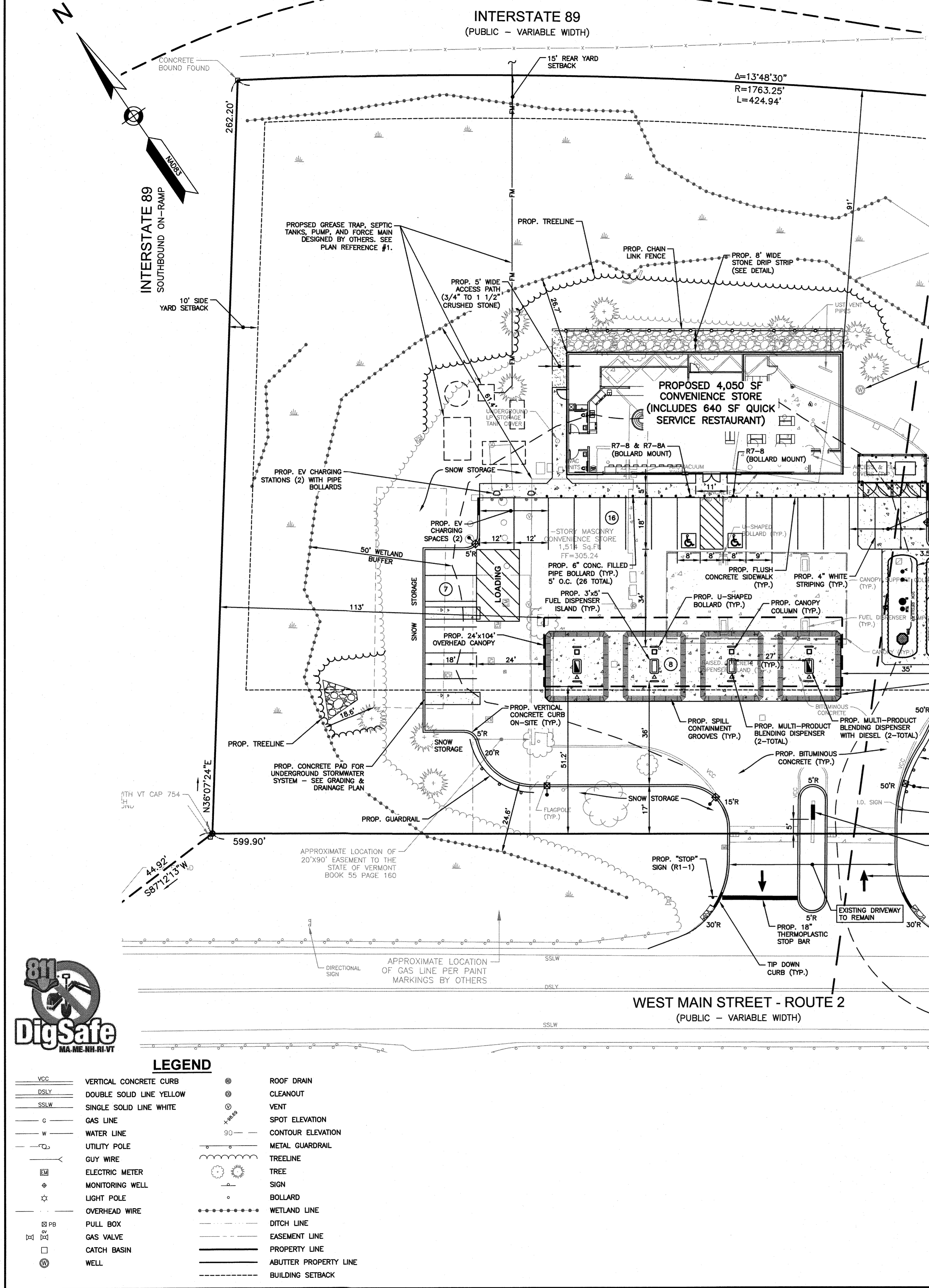
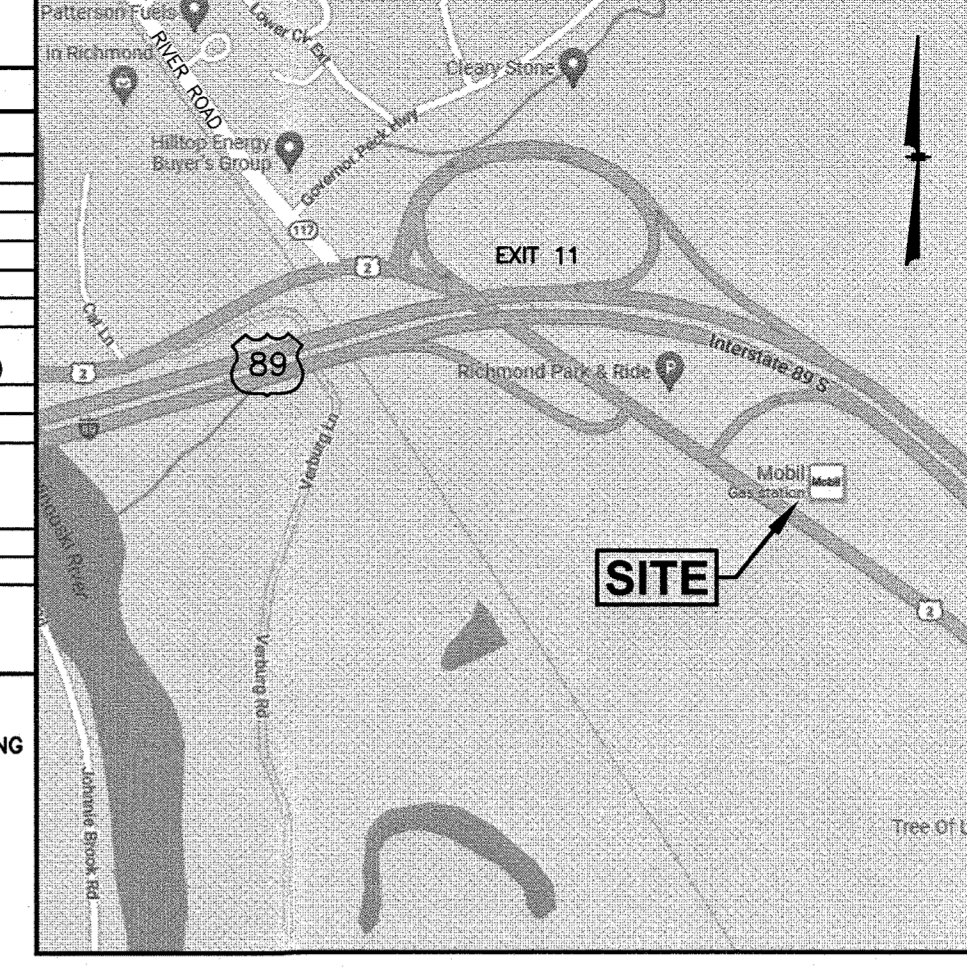


TABLE OF ZONING REGULATIONS - RICHMOND, VT

ZONE: INDUSTRIAL/COMMERCIAL (IC)

DESCRIPTION	REQUIRED	EXISTING	PROVIDED
MINIMUM LOT AREA - Sq. Ft.	43,560 SF	183,724 SF	183,724 SF
MINIMUM LOT FRONTAGE	100'	820'	820'
MINIMUM FRONT YARD BUILDING SETBACK	50'	68' (CANOPY)	51.2' (CANOPY)
MINIMUM SIDE YARD BUILDING SETBACK	15' (PRINCIPAL) / 10' (ACCESSORY)	107' (C-STORE)	113' (CANOPY)
MINIMUM REAR YARD BUILDING SETBACK	15' (PRINCIPAL) / 10' (ACCESSORY)	140' (C-STORE)	91' (C-STORE)
PARKING SPACE DIMENSIONS	9'x18'	9'x18'	9'x18'
MINIMUM NUMBER PARKING SPACES	C-STORE = 7.5 SPACES PER 1,000 SF GFA REQUIRED = 4,050 SF x 7.5/1,000 = 31 SPACES	12 PARKING SPACES (INCLUDING 8 AT THE PUMPS)	31 PARKING SPACES (INCLUDING 8 AT THE PUMPS)
MAXIMUM BUILDING HEIGHT	35'	< 35'	< 35'
MAXIMUM LOT COVERAGE	60%*	10.6% (19,552 SF)	14.5% (26,557 SF)
FREESTANDING SIGN AREA/HEIGHT+SETBACK	24 SF PER FACE, 10 FT. MAX., OUTSIDE ROW	24 SF, 8' HIGH, EXTERNALLY ILLUMINATED	24 SF, 8' HIGH, EXTERNALLY ILLUMINATED
WALL SIGN AREA	NOT ALLOWED IF FREESTANDING SIGN IS PROPOSED	NONE	NONE
LOADING SPACE REQUIREMENTS	15'x25'	-	15'x25'
WETLAND BUFFER ZONE**	50'	61.4' (BLDG) 27.3' (PAVEMENT) 18.6' (SEPTIC)	28.7' (BLDG) 24.6' (PAVEMENT) 18.3' (SEPTIC)



LOCATION MAP
(NOT TO SCALE)

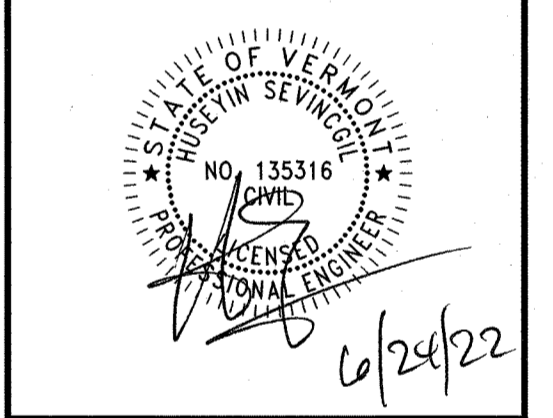
- NOTES:**
- EXISTING BOUNDARY AND PLANIMETRIC INFORMATION AS SHOWN IS THE RESULT OF AN ACTUAL FIELD SURVEY BY THIS OFFICE.
 - PARCEL: MAP 3, LOT WM1436
 - ZONING DISTRICT: INDUSTRIAL/ COMMERCIAL (IC)
(FLOOD OVERLAY DISTRICT - SPECIAL FLOOD HAZARD AREA)
 - LOT AREA: = 183,656± Sq.Ft.
= 4.216± Ac.
 - EXISTING USE: RETAIL MOTOR FUEL OUTLET WITH 1,514 SF CONVENIENCE STORE AND FUEL DISPENSING CANOPY WITH 4 DISPENSERS (8 FUELING LOCATIONS).
 - PROPOSED USE: RETAIL MOTOR FUEL OUTLET WITH 4,050 SF CONVENIENCE STORE (INCLUDING A 640 SF QUICK SERVICE RESTAURANT), ONE FUEL DISPENSING CANOPY WITH 4 DISPENSERS (8 FUELING LOCATIONS), AND TWO (2) ELECTRIC VEHICLE CHARGING STATIONS.
 - THE FOLLOWING CONDITIONAL USE PERMITS WILL BE REQUIRED FROM THE DEVELOPMENT REVIEW BOARD (DRB):
- A RETAIL BUSINESS IN THE IC DISTRICT
- A VEHICLE FUELING STATION IN THE IC DISTRICT
- SUBSTANTIAL IMPROVEMENTS WITHIN THE SPECIAL FLOOD HAZARD AREA
 - 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 TOWN OF RICHMOND AND THE STATE OF VERMONT.
 - THE SURVEY TRACT IS LOCATED IN A SPECIAL FLOOD HAZARD AREA (100 YEAR FLOOD) ZONE AE, WITH BASE FLOOD ELEVATIONS DETERMINED, PER FLOOD INSURANCE RATE MAP NUMBER 50007C0292E, WITH AN EFFECTIVE DATE OF AUGUST 4, 2014.
 - 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 FUEL STORAGE TANKS, PRODUCT PIPING AND VENT LINES SHALL COMPLY WITH CURRENT VTDEC AND E.P.A. REGULATIONS.
 - ACT250 PERMIT AMENDMENT REQUIRED FROM STATE OF VERMONT NATURAL RESOURCES BOARD (CURRENT PERMIT AC0042-3 DATED 2003).
 - SOLAR PANELS WILL BE PROVIDED ON THE BUILDING ROOF AND CANOPY.

- PLAN REFERENCES:**
- WASTEWATER PLANS - "SUMMIT DISTRIBUTING 1436 WEST MAIN STREET RICHMOND VERMONT" PLANS PREPARED BY TRUDELL CONSULTING ENGINEERS REVISED THROUGH 2/25/2020.

GPI Engineering Design Construction Management
503.883.0720 GPINET.COM
Greenman-Pedersen, Inc.
44 Stiles Road, Suite One
Salem, NH 03079

PREPARED FOR
SUMMIT DISTRIBUTING, LLC
240 MECHANIC STREET
LEBANON, NH 03766

PROPOSED REDEVELOPMENT
ASSESSORS MAP 3 LOT WM1436
1436 WEST MAIN STREET
RICHMOND, VERMONT



REVISIONS

NO.	REVISION	DATE

JUNE 22, 2022

DRAWN/DESIGN BY SJB	CHECKED BY HS
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SITE PLAN

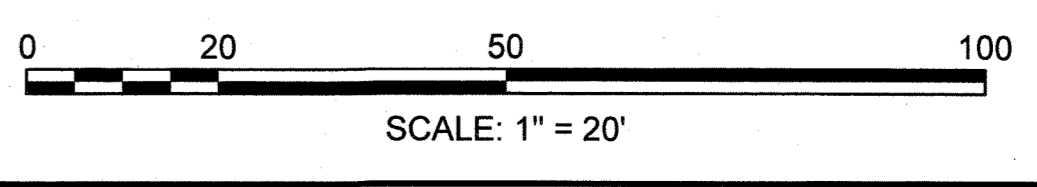
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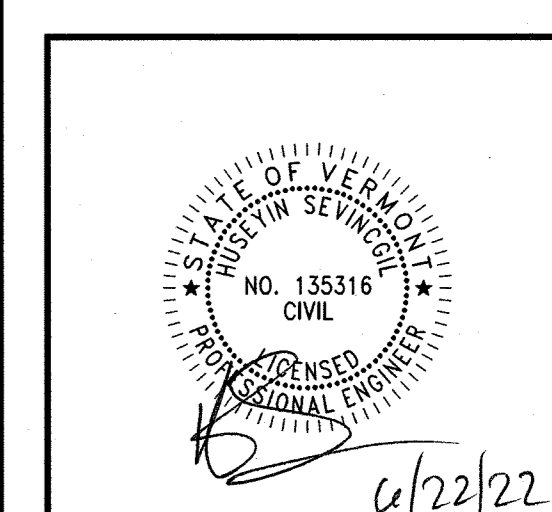
4 OF 12

LEGEND

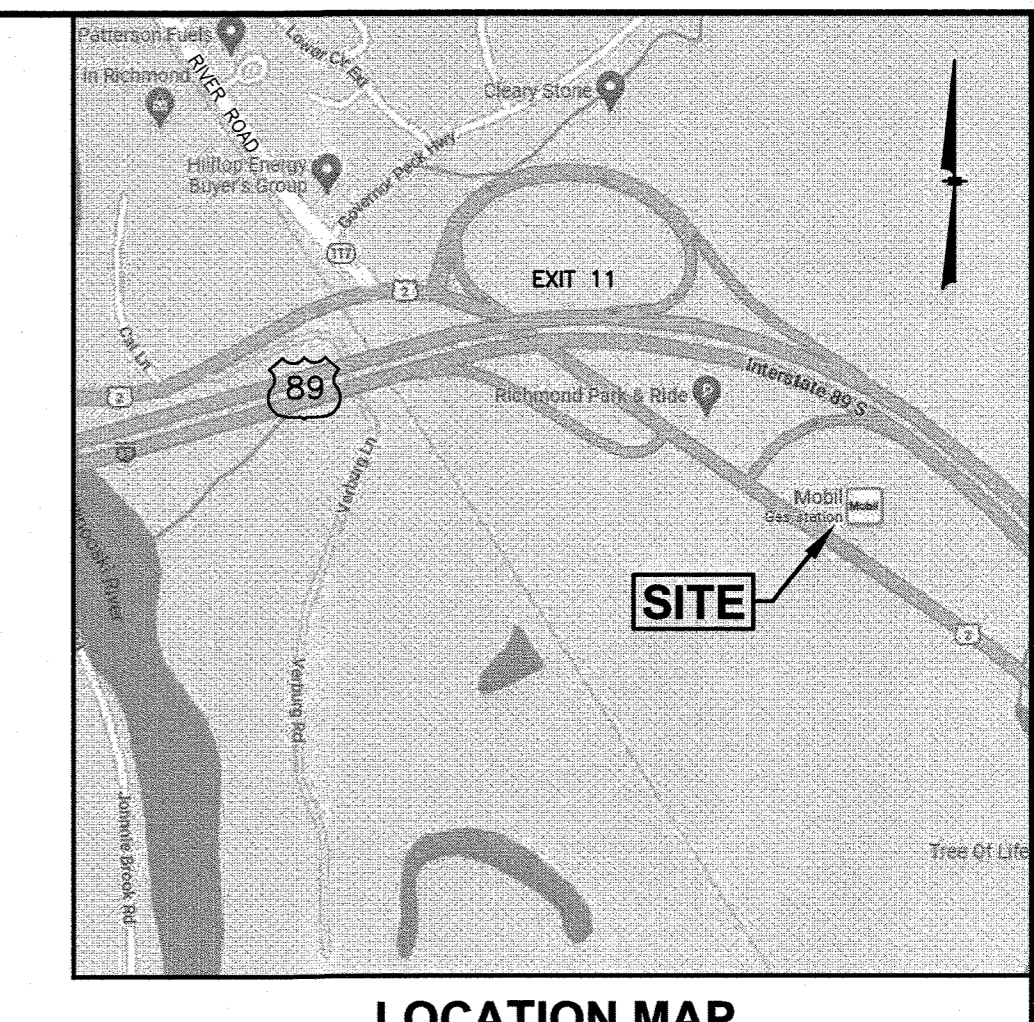
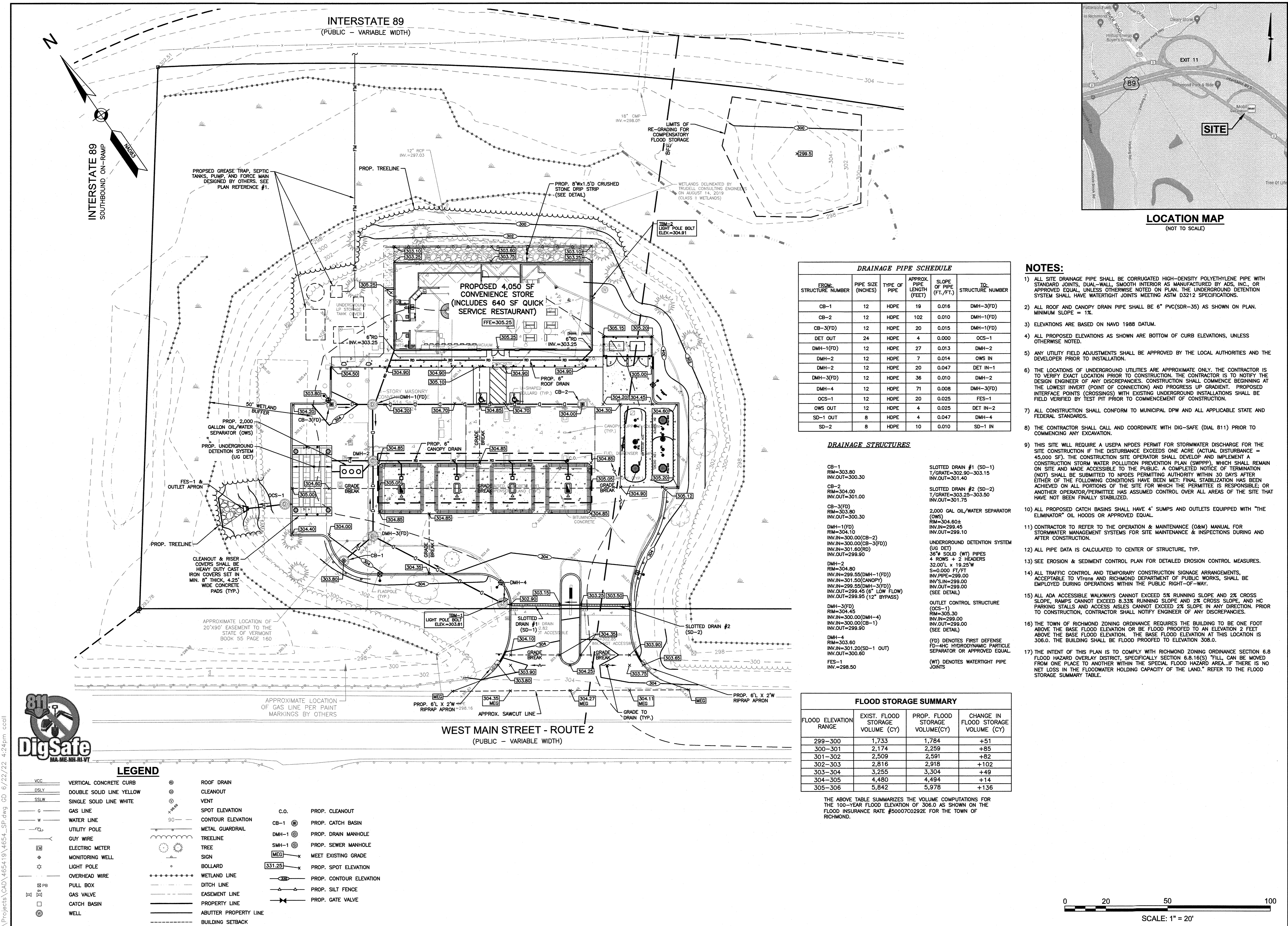
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GV	GAS VALVE	—	EASEMENT LINE
CB	CATCH BASIN	—	PROPERTY LINE
W	WELL	—	ABUTTER PROPERTY LINE
		—	BUILDING SETBACK



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REVISIONS		
NO.	REVISION	DATE



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	19	0.016	DMH-3(FD)
CB-2	12	HDPE	102	0.010	DMH-1(FD)
CB-3(FD)	12	HDPE	20	0.015	DMH-1(FD)
DET OUT	24	HDPE	4	0.000	OCS-1
DMH-1(FD)	12	HDPE	27	0.013	DMH-2
DMH-2	12	HDPE	7	0.014	OWS IN
DMH-2	12	HDPE	20	0.047	DET IN-1
DMH-3(FD)	12	HDPE	36	0.010	DMH-2
DMH-4	12	HDPE	71	0.008	DMH-3(FD)
OCS-1	12	HDPE	20	0.025	FES-1
OWS OUT	12	HDPE	4	0.025	DET IN-2
SD-1 OUT	8	HDPE	4	0.047	DMH-4
SD-2	8	HDPE	10	0.010	SD-1 IN

DRAINAGE STRUCTURES

CB-1
RIM=303.80
INV.OUT=300.30

CB-2
RIM=304.00
INV.OUT=301.00

CB-3(FD)
RIM=303.80
INV.OUT=300.30

DMH-1(FD)
RIM=304.10
INV.IN=300.00(CB-2)
INV.IN=301.60(CB-3(FD))
INV.OUT=299.90

DMH-2
RIM=304.80
INV.IN=299.55(DMH-1(FD))
INV.IN=301.50(CANOPY)
INV.IN=299.55(DMH-3(FD))
INV.OUT=298.45 (8" LOW FLOW)
INV.OUT=299.95 (12" BYPASS)

DMH-3(FD)
RIM=304.45
INV.IN=300.00(DMH-4)
INV.IN=300.00(CB-1)
INV.OUT=299.90

DMH-4
RIM=303.60
INV.IN=301.20(SD-1 OUT)
INV.OUT=300.60

FES-1
INV.=298.50

SLOTTED DRAIN #1 (SD-1)
T/GRADE=302.90-303.15
INV.OUT=301.40

SLOTTED DRAIN #2 (SD-2)
T/GRADE=303.25-303.50
INV.OUT=301.75

2,000 GAL OIL/WATER SEPARATOR (OWS)
RIM=304.60
INV.IN=299.45
INV.OUT=299.10

UNDERGROUND DETENTION SYSTEM (UG DET)
36" SOLID (WT) PIPES
4 ROWS + 2 HEADERS
32.00' x 19.25' W
S=0.000 FT/FT
INV.PIPES=299.00
INV.S.IN=299.00
INV.OUT=299.00
(SEE DETAIL)

OUTLET CONTROL STRUCTURE (OCS-1)
RIM=305.30
INV.IN=299.00
INV.OUT=299.00
(SEE DETAIL)

(FD) DENOTES FIRST DEFENSE FD-HC HYDRODYNAMIC PARTICLE SEPARATOR OR APPROVED EQUAL

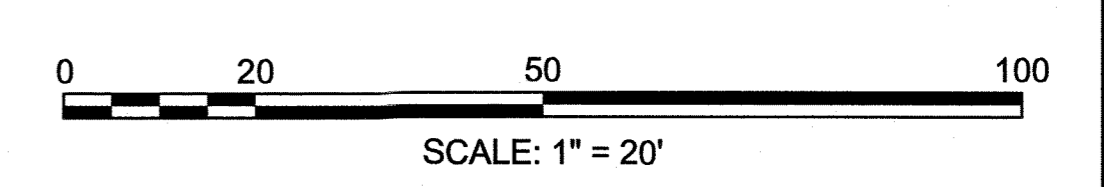
(WT) DENOTES WATERTIGHT PIPE JOINTS

FLOOD STORAGE SUMMARY

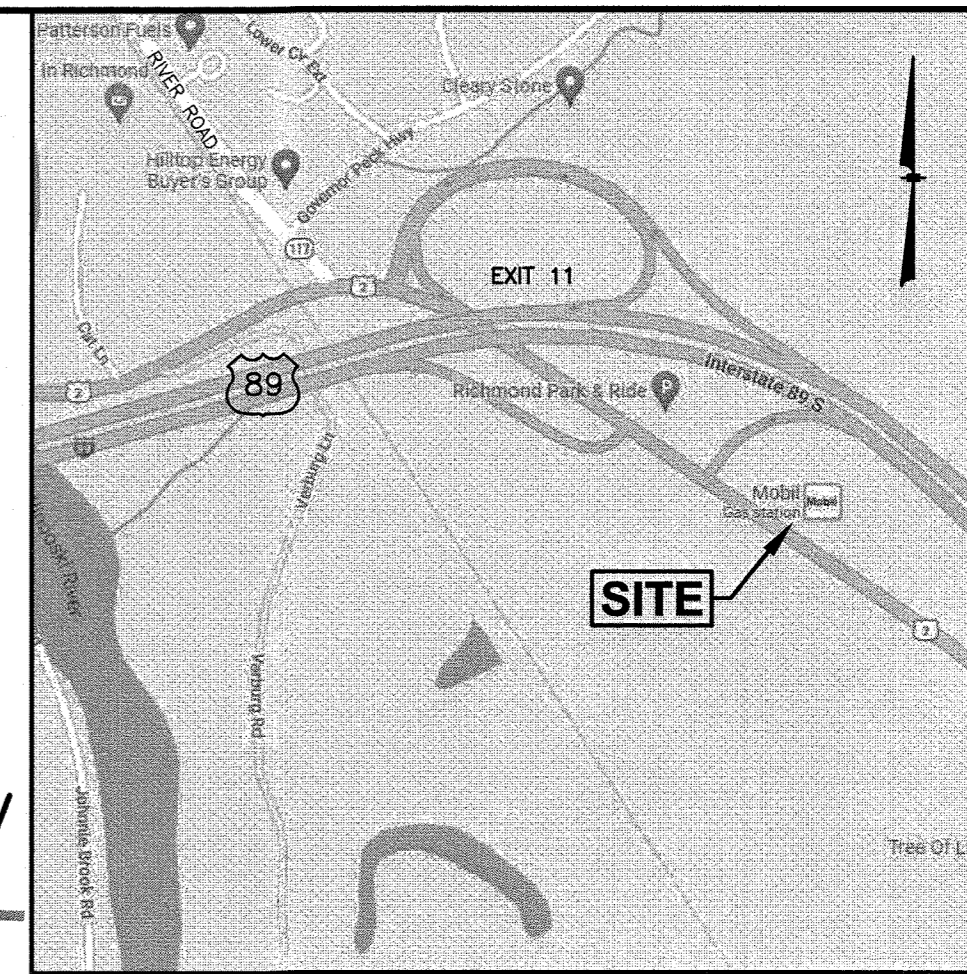
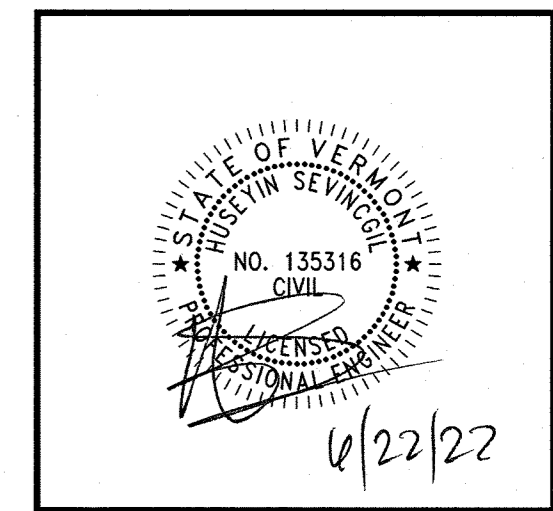
FLOOD ELEVATION RANGE	EXIST. FLOOD STORAGE VOLUME (CY)	PROP. FLOOD STORAGE VOLUME(CY)	CHANGE IN FLOOD STORAGE VOLUME (CY)
299-300	1,733	1,784	+51
300-301	2,174	2,259	+85
301-302	2,509	2,591	+82
302-303	2,816	2,918	+102
303-304	3,255	3,304	+49
304-305	4,480	4,494	+14
305-306	5,842	5,978	+136

THE ABOVE TABLE SUMMARIZES THE VOLUME COMPUTATIONS FOR THE 100-YEAR FLOOD ELEVATION OF 306.0 AS SHOWN ON THE FLOOD INSURANCE RATE #50007C0292E FOR THE TOWN OF RICHMOND.

- NOTES:**
- 1) 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 WATERTIGHT JOINTS MEETING ASTM D3212 SPECIFICATIONS.
 - 2) ALL ROOF AND CANOPY DRAIN PIPE SHALL BE 6" PVC(SDR-35) AS SHOWN ON PLAN. MINIMUM SLOPE = 1%.
 - 3) ELEVATIONS ARE BASED ON NAVD 1988 DATUM.
 - 4) ALL PROPOSED ELEVATIONS AS SHOWN ARE BOTTOM OF CURB ELEVATIONS, UNLESS OTHERWISE NOTED.
 - 5) ANY UTILITY FIELD ADJUSTMENTS SHALL BE APPROVED BY THE LOCAL AUTHORITIES AND THE DEVELOPER PRIOR TO INSTALLATION.
 - 6) 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.
 - 7) ALL CONSTRUCTION SHALL CONFORM TO MUNICIPAL DPW AND ALL APPLICABLE STATE AND FEDERAL STANDARDS.
 - 8) THE CONTRACTOR SHALL CALL AND COORDINATE WITH DIG-SAFE (DIAL 811) PRIOR TO COMMENCING ANY EXCAVATION.
 - 9) THIS SITE WILL REQUIRE A USEPA NPDES PERMIT FOR STORMWATER DISCHARGE FOR THE SITE CONSTRUCTION IF THE DISTURBANCE EXCEEDS ONE ACRE (ACTUAL DISTURBANCE = 45,000 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.
 - 10) ALL PROPOSED CATCH BASINS SHALL HAVE 4" SUMP AND OUTLETS EQUIPPED WITH "THE ELIMINATOR" OIL HOODS OR APPROVED EQUAL.
 - 11) CONTRACTOR TO REFER TO THE OPERATION & MAINTENANCE (O&M) MANUAL FOR STORMWATER MANAGEMENT SYSTEMS FOR SITE MAINTENANCE & INSPECTIONS DURING AND AFTER CONSTRUCTION.
 - 12) ALL PIPE DATA IS CALCULATED TO CENTER OF STRUCTURE, TYP.
 - 13) SEE EROSION & SEDIMENT CONTROL PLAN FOR DETAILED EROSION CONTROL MEASURES.
 - 14) ALL TRAFFIC CONTROL AND TEMPORARY CONSTRUCTION SIGNAGE ARRANGEMENTS, ACCEPTABLE TO VTTRANS AND RICHMOND DEPARTMENT OF PUBLIC WORKS, SHALL BE EMPLOYED DURING OPERATIONS WITHIN THE PUBLIC RIGHT-OF-WAY.
 - 15) ALL ADA ACCESSIBLE WALKWAYS CANNOT EXCEED 5% RUNNING SLOPE AND 2% CROSS SLOPE. RAMPS CANNOT EXCEED 8.33% RUNNING SLOPE AND 2% CROSS SLOPE, AND HC PARKING STALLS AND ACCESS ALLEYS CANNOT EXCEED 2% SLOPE IN ANY DIRECTION. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES.
 - 16) THE TOWN OF RICHMOND ZONING ORDINANCE REQUIRES THE BUILDING TO BE ONE FOOT ABOVE THE BASE FLOOD ELEVATION OR BE FLOOD PROOFED TO AN ELEVATION 2 FEET ABOVE THE BASE FLOOD ELEVATION. THE BASE FLOOD ELEVATION AT THIS LOCATION IS 306.0. THE BUILDING SHALL BE FLOOD PROOFED TO ELEVATION 308.0.
 - 17) THE INTENT OF THIS PLAN IS TO COMPLY WITH RICHMOND ZONING ORDINANCE SECTION 6.8 FLOOD HAZARD OVERLAY DISTRICT, SPECIFICALLY SECTION 6.8.15(S) "FILL, CAN BE MOVED FROM ONE PLACE TO ANOTHER WITHIN THE SPECIAL FLOOD HAZARD AREA, IF THERE IS NO NET LOSS IN THE FLOODWATER HOLDING CAPACITY OF THE LAND." REFER TO THE FLOOD STORAGE SUMMARY TABLE.



PROPOSED REDEVELOPMENT
ASSESSORS MAP 3 LOT WM1436
1436 WEST MAIN STREET
RICHMOND, VERMONT



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 LOCAL AUTHORITIES AND THE DEVELOPER PRIOR TO INSTALLATION.
- 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. 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.
- 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 (811) PRIOR TO COMMENCING ANY EXCAVATION.
- 7) ALL WATER AND SEWER CONSTRUCTION SHALL CONFORM TO DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS.
- 8) ALL ELECTRIC, TELEPHONE AND CABLE TV LINES ARE TO BE UNDERGROUND AND INSTALLED IN CONFORMANCE WITH APPLICABLE UTILITY CO. SPECIFICATIONS.
- 9) ANY UTILITIES TO BE TAKEN OUT OF SERVICE SHALL BE DISCONNECTED AS DIRECTED BY UTILITY COMPANY AND LOCAL DPW.
- 10) ALL TRAFFIC CONTROL AND TEMPORARY CONSTRUCTION SIGNAGE ARRANGEMENTS, ACCEPTABLE TO VTTRANS AND RICHMOND DEPARTMENT OF PUBLIC WORKS, SHALL BE EMPLOYED DURING OPERATIONS WITHIN THE PUBLIC RIGHT-OF-WAY.

PLAN REFERENCES:

- 1) WASTEWATER PLANS - "SUMMIT DISTRIBUTING 1436 WEST MAIN STREET RICHMOND VERMONT" PLANS PREPARED BY TRUDELL CONSULTING ENGINEERS REVISED THROUGH 2/25/2020.

REVISIONS		
NO.	REVISION	DATE

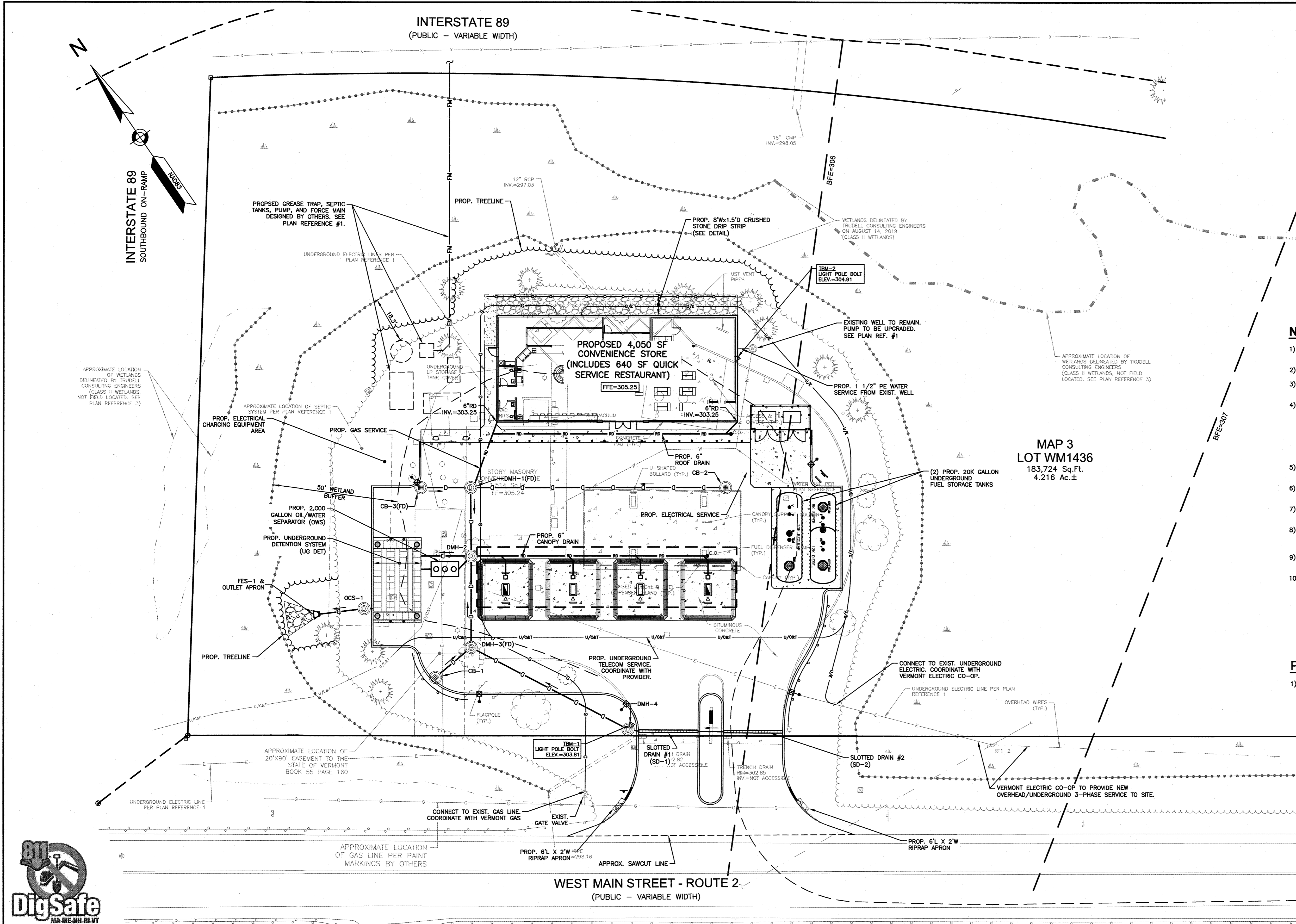
NO.	REVISION	DATE

UTILITY PLAN

SCALE: 1"=20'

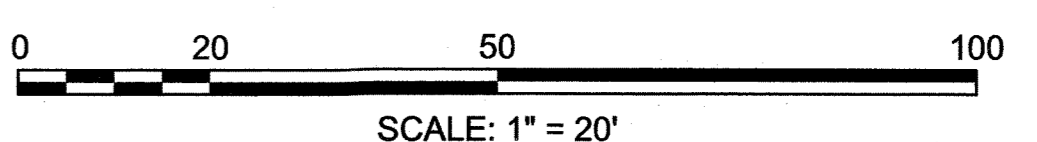
NEX-465419

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LEGEND

— VCC —	VERTICAL CONCRETE CURB	⊙	ROOF DRAIN
— DSYL —	DOUBLE SOLID LINE YELLOW	⊙	CLEANOUT
— SSLW —	SINGLE SOLID LINE WHITE	⊙	VENT
— G —	GAS LINE	⊙	SPOT ELEVATION
— W —	WATER LINE	90	CONTOUR ELEVATION
— U —	UTILITY POLE	—	METAL GUARDRAIL
— GUY —	GUY WIRE	—	TREELINE
⊙	ELECTRIC METER	—	TREE
⊙	MONITORING WELL	—	SIGN
⊙	LIGHT POLE	—	BOLLARD
—	OVERHEAD WIRE	—	WETLAND LINE
⊙	PULL BOX	—	DITCH LINE
⊙	GAS VALVE	—	EASEMENT LINE
⊙	CATCH BASIN	—	PROPERTY LINE
⊙	WELL	—	ABUTTER PROPERTY LINE
		—	BUILDING SETBACK



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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 SILT FENCING 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 SEED 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 SEEDINGS.
- 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 SEEDING AREAS, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.

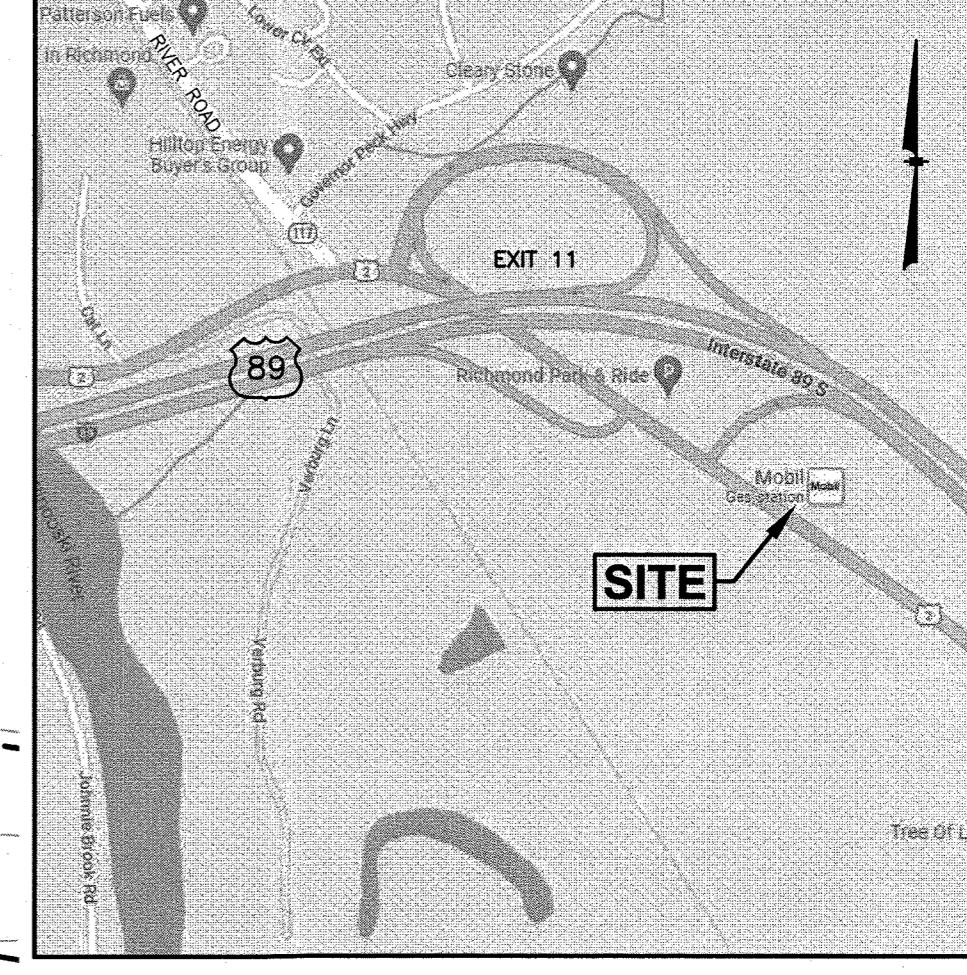
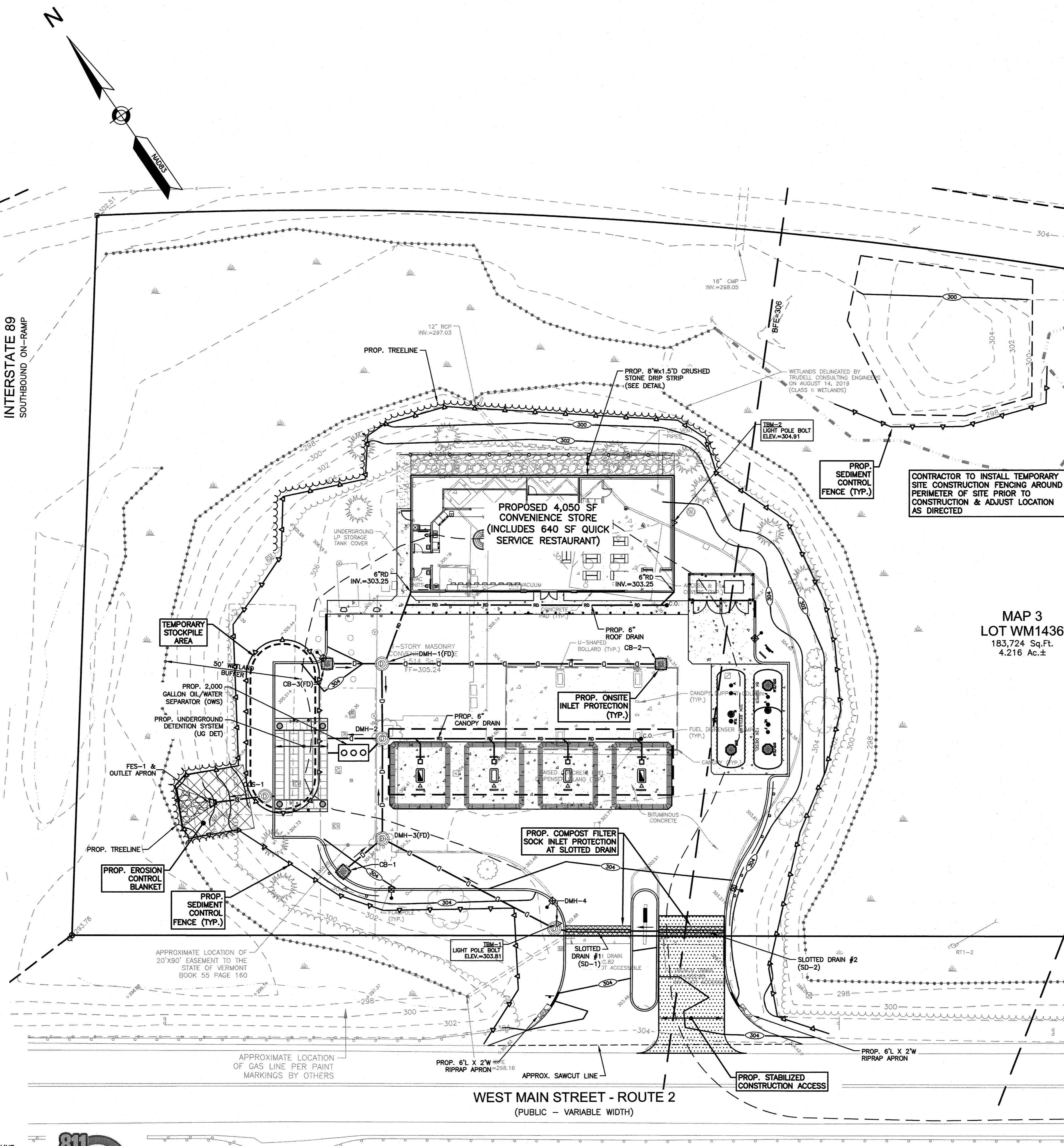
WINTER STABILIZATION NOTES:

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 COLD 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 2 TO 4 TONS OF HAY OR STRAW MULCH 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.
 - 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 GREATER THAN ONE INCH IN DEPTH OR ON FROZEN GROUND.
 - 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.

LEGEND

VCC	VERTICAL CONCRETE CURB	⊙	ROOF DRAIN
DSLY	DOUBLE SOLID LINE YELLOW	⊙	CLEANOUT
SSLW	SINGLE SOLID LINE WHITE	⊙	VENT
G	GAS LINE	⊙	SPOT ELEVATION
W	WATER LINE	90	CONTOUR ELEVATION
U	UTILITY POLE	—	METAL GUARDRAIL
GUY	GUY WIRE	—	TREELINE
EM	ELECTRIC METER	⊙	TREE
MW	MONITORING WELL	⊙	SIGN
LP	LIGHT POLE	⊙	BOLLARD
OW	OVERHEAD WIRE	—	WETLAND LINE
PB	PULL BOX	—	DITCH LINE
GV	GAS VALVE	—	EASEMENT LINE
CB	CATCH BASIN	—	PROPERTY LINE
W	WELL	—	ABUTTER PROPERTY LINE
C.O.	PROP. CLEANOUT	—	BUILDING SETBACK
CB-1	PROP. CATCH BASIN	—	
DMH-1	PROP. DRAIN MANHOLE	—	
CE	PROP. CONTOUR ELEVATION	—	
SF	PROP. SILT FENCE	—	

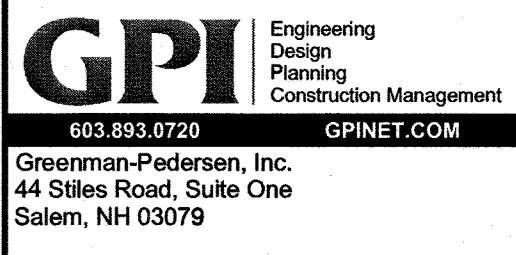


EROSION CONTROL NOTES:

- 1) THE EROSION CONTROL PROCEDURES SHALL CONFORM TO THE VERMONT STANDARDS AND SPECIFICATIONS FOR EROSION CONTROL, 2019, 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 OCCURRED:
 - A) BASE COURSE GRADNELLS 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.
 - A) 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 SEEDING AREAS AT THE RATE OF 2 TONS PER ACRE. BALES SHALL BE UNSPOILED, AIR DRIED, AND FREE FROM WEED, SEEDS AND ANY COARSE MATERIAL.
- 7) 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.
- 8) 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.
- 9) AVOID THE USE OF FUTURE OPEN SPACES (LOAM & SEED) WHEREVER POSSIBLE DURING CONSTRUCTION. CONSTRUCTION TRAFFIC SHALL USE THE ROADBEDS OF FUTURE ROADS.

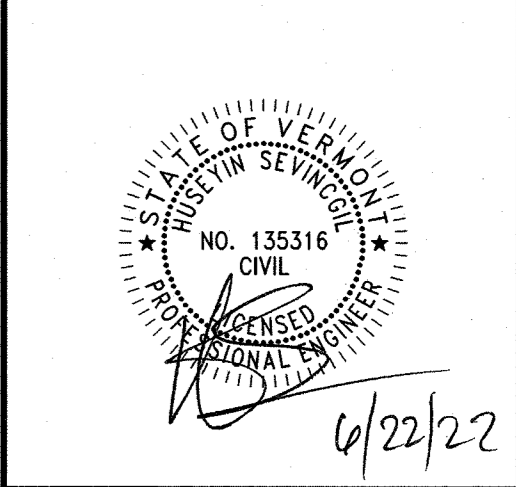
TEMPORARY EROSION CONTROL MEASURES:

- 1) THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME.
- 2) SEDIMENT CONTROL FENCE SHALL BE INSTALLED AS REQUIRED. FENCE IS 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 GROWTH, 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 SILT FENCING 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.



PREPARED FOR
SUMMIT DISTRIBUTING, LLC
 240 MECHANIC STREET
 LEBANON, NH 03766

PROPOSED REDEVELOPMENT
ASSESSORS MAP 3 LOT WM1436
1436 WEST MAIN STREET
RICHMOND, VERMONT



REVISIONS		
NO.	REVISION	DATE
JUNE 22, 2022		
DRAWN/DESIGN BY	CHECKED BY	
SJB	HS	

EROSION & SEDIMENT CONTROL PLAN

SCALE: 1"=20'

NEX-465419

7 OF 12

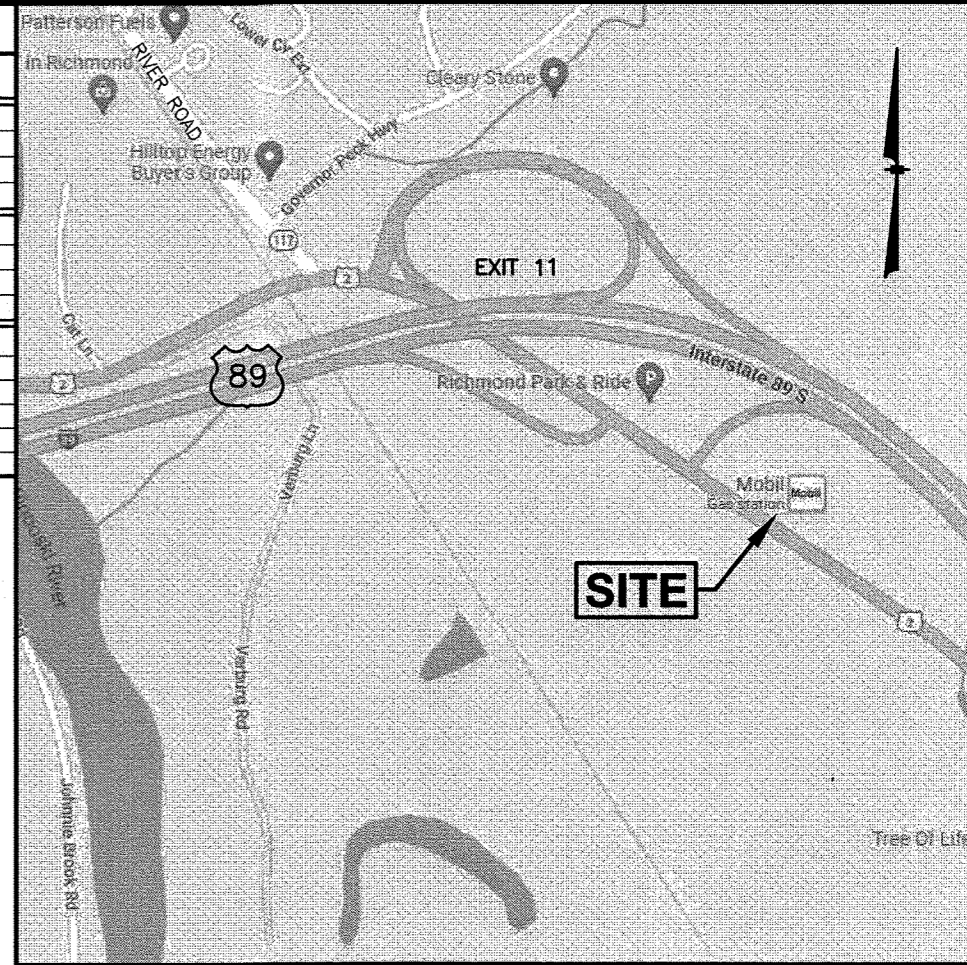
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INTERSTATE 89
(PUBLIC - VARIABLE WIDTH)

PLANTING SCHEDULE					
PLANT	QNTY	BOTANICAL NAME	COMMON NAME	MIN. INSTALL SIZE	REMARKS
TREES					
AF	6	ABIES FRASER	FRASER FIR	6' - 7' HT.	
OC	4	CRATAEGUS CRUS-GALLI INERMIS CRUSADER	CRUSADER HAWTHORN	2" - 2 1/2" CAL., B&B	THORNLESS
GT	2	GLEDITSIA TRIACANTHOS 'SKYLINE'	SKYLINE HONEY LOCUST	2" - 2 1/2" CAL., B&B	THORNLESS
SHRUBS					
CS	12	CORNUS STOLONIFERA 'FARROW'	ARCTIC FIRE RED TWIG DOGWOOD	2'-3' HT., 3 GAL.	
IG	16	ILEX CLABRA 'SHAMROCK'	SHAMROCK HAWKBERY	2'-3' HT., 3 GAL.	
PF	5	POTENTILLA FRUTICOSA 'GOLDSTAR'	GOLDSTAR POTENTILLA	2'-3' HT., 3 GAL.	
PERENNIALS & GRASSES					
HD	49	HEMEROCALLIS 'STELLA DE ORO'	DWARF YELLOW DAYLILY	1 GAL.	
ES	6	ERAGROSIS 'SPECTABILIS'	PURPLE LOVEGRASS	1 GAL.	
SS	10	SCHIZACHYRUM SCOPARUM 'PRAIRIE BLUES'	PRAIRIE BLUES LITTLE BLUESTEM	1 GAL.	
FE	12	FESTUCA GLAUCA 'ELIJAH BLUE'	ELIJAH BLUE FESCUE GRASS	1 GAL.	
PH	14	PENNISETUM ALOPECUROIDES 'HAMELI'	DWARF FOUNTAIN GRASS	1 GAL.	

1 XX PLANT QUANTITY
 PLANT DESIGNATION PROP. LOAM AND SEED PROP. 3/4"-1 1/2" CRUSHED STONE PROP. LANDSCAPE STONE



LOCATION MAP
(NOT TO SCALE)

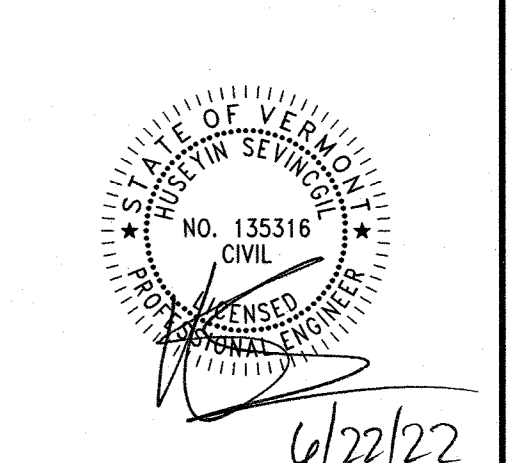
NOTES:

- ALL PLANT STOCK SHALL CONFORM TO ANSI Z260.1 - NURSERY STOCK, LATEST EDITION (AMERICAN ASSOCIATION OF NURSEYMEN, INC.).
- A 4' DIA. TREE RING WITH 3" AGED PINE BARK MULCH SHALL BE INSTALLED AT BASE OF ALL TREES IN LAWN AREAS.
- UNLESS NOTED OTHERWISE, 3" AGED PINE BARK MULCH SHALL BE APPLIED TO SHRUB BEDS AND 1" AGED PINE BARK MULCH SHALL BE APPLIED TO PERENNIAL BEDS.
- LANDSCAPE STONE SHALL BE TAN RIVERBED STONE. STONE SHALL BE (1/8) 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 PLANTING BEDS UNLESS NOTED OTHERWISE. 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 LAWN 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. ALL LOAM OR TOPSOIL IMPORTED OR RE-UTILIZED FROM ON SITE SHALL BE TESTED AND AMENDED AS RECOMMENDED BY TESTING LABORATORY TO MEET MINIMUM REQUIREMENTS.
- 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 2/42
- FOR TEMPORARY EROSION CONTROL NOTES, SEE EROSION & SEDIMENT CONTROL PLAN.
- 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 TOWN 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.
- PLANTINGS SHALL BE GUARANTEED BY THE CONTRACTOR FOR ONE YEAR AFTER WRITTEN ACCEPTANCE BY THE DEVELOPER.
- EXPOSED SOILS SHALL BE SEEDED OR STRAW MULCHED WITHIN 72 HOURS OF FINAL GRADING.
- SEE GRADING & DRAINAGE PLAN FOR ELEVATIONS OF LANDSCAPED AREAS.
- ALL WORK SHALL BE COORDINATED WITH APPLICABLE EPA NPDES/SWPPP PERMIT WORK AS REQUIRED.



PREPARED FOR
 SUMMIT DISTRIBUTING, LLC
 240 MECHANIC STREET
 LEBANON, NH 03766

PROPOSED REDEVELOPMENT
 ASSESSORS MAP 3 LOT WM1436
 1436 WEST MAIN STREET
 RICHMOND, VERMONT



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NO.	REVISION	DATE

JUNE 22, 2022

DRAWN/DESIGN BY: SJB CHECKED BY: HS

LANDSCAPE PLAN

SCALE: 1"=20'

NEX-465419

8 OF 12

PROPOSED 4,050 SF
 CONVENIENCE STORE
 (INCLUDES 640 SF QUICK
 SERVICE RESTAURANT)

MAP 3
 LOT WM1436
 183,724 Sq.Ft.
 4.216 Ac.±

APPROXIMATE LOCATION OF WETLANDS DELINEATED BY TRUDELL CONSULTING ENGINEERS (CLASS II WETLANDS, NOT FIELD LOCATED. SEE PLAN REFERENCE 3)

PROPOSED GREASE TRAP, SEPTIC TANKS, PUMP, AND FORCE MAIN DESIGNED BY OTHERS. SEE PLAN REFERENCE #1.

PROP. 5' WIDE ACCESS PATH (3/4" TO 1 1/2" CRUSHED STONE)

PROP. TREELINE

PROP. CHAIN LINK FENCE

PROP. 8" WIDE STONE DRIP STRIP (SEE DETAIL)

WETLANDS DELINEATED BY TRUDELL CONSULTING ENGINEERS (CLASS II WETLANDS, NOT FIELD LOCATED. SEE PLAN REFERENCE 3)

6" LOAM AND SEED ALL DISTURBED AREAS WITH GRASS SEED MIX (TYP.)

APPROXIMATE LOCATION OF WETLANDS DELINEATED BY TRUDELL CONSULTING ENGINEERS (CLASS II WETLANDS, NOT FIELD LOCATED. SEE PLAN REFERENCE 3)

PROP. 4" DIA. MULCH RING (TYP.)

1 OT

10 HD

6 ES

1 CC

10 HD

10 HD

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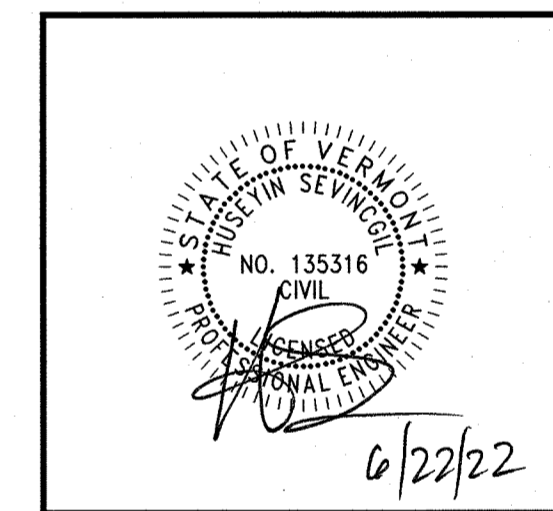
10 HD



LEGEND

— VCC	VERTICAL CONCRETE CURB	⊙	ROOF DRAIN
— DSLY	DOUBLE SOLID LINE YELLOW	⊙	CLEANOUT
— SSLW	SINGLE SOLID LINE WHITE	⊙	VENT
— G	GAS LINE	⊙	SPOT ELEVATION
— W	WATER LINE	⊙	CONTOUR ELEVATION
— U	UTILITY POLE	⊙	METAL GUARDRAIL
— GUY	GUY WIRE	⊙	TREELINE
⊙	ELECTRIC METER	⊙	TREE
⊙	MONITORING WELL	⊙	SIGN
⊙	LIGHT POLE	⊙	BOLLARD
—	OVERHEAD WIRE	⊙	WETLAND LINE
⊙	PULL BOX	⊙	DITCH LINE
⊙	GAS VALVE	⊙	EASEMENT LINE
⊙	CATCH BASIN	⊙	PROPERTY LINE
⊙	WELL	⊙	ABUTTER PROPERTY LINE
		⊙	BUILDING SETBACK

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REVISIONS

NO.	REVISION	DATE

JUNE 22, 2022

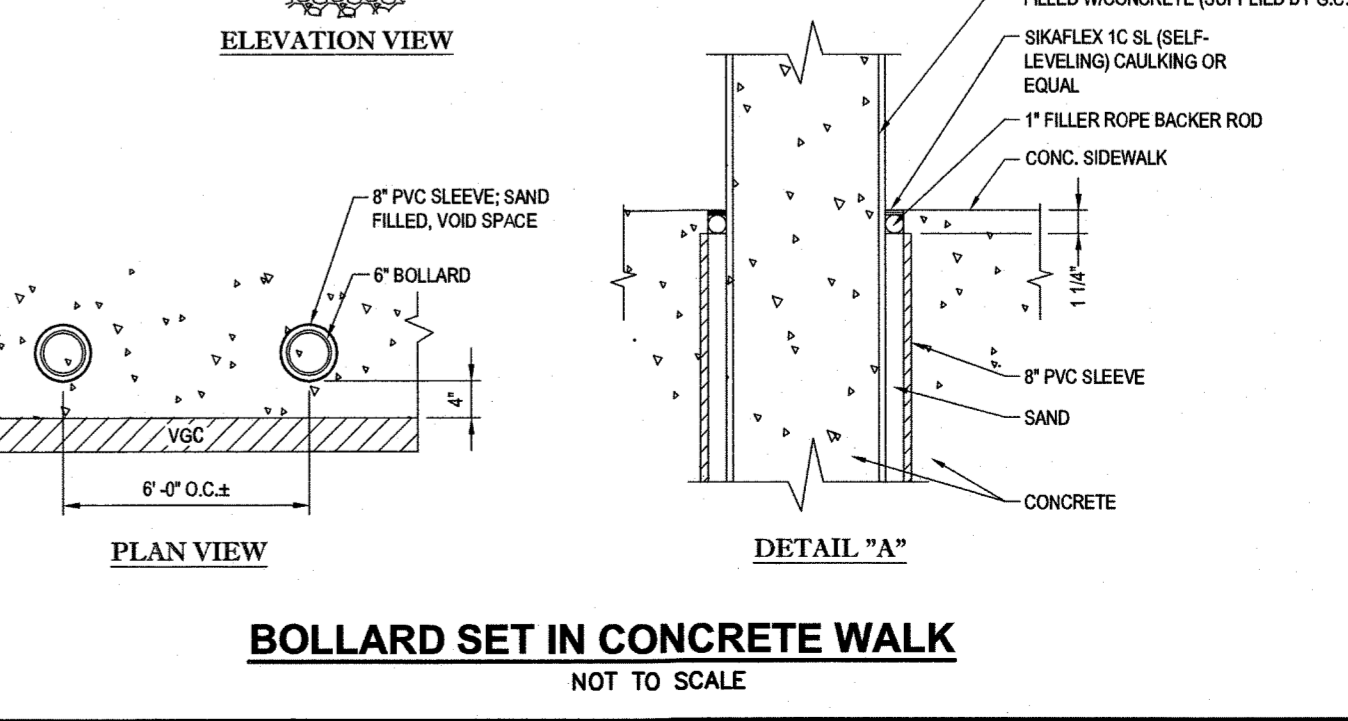
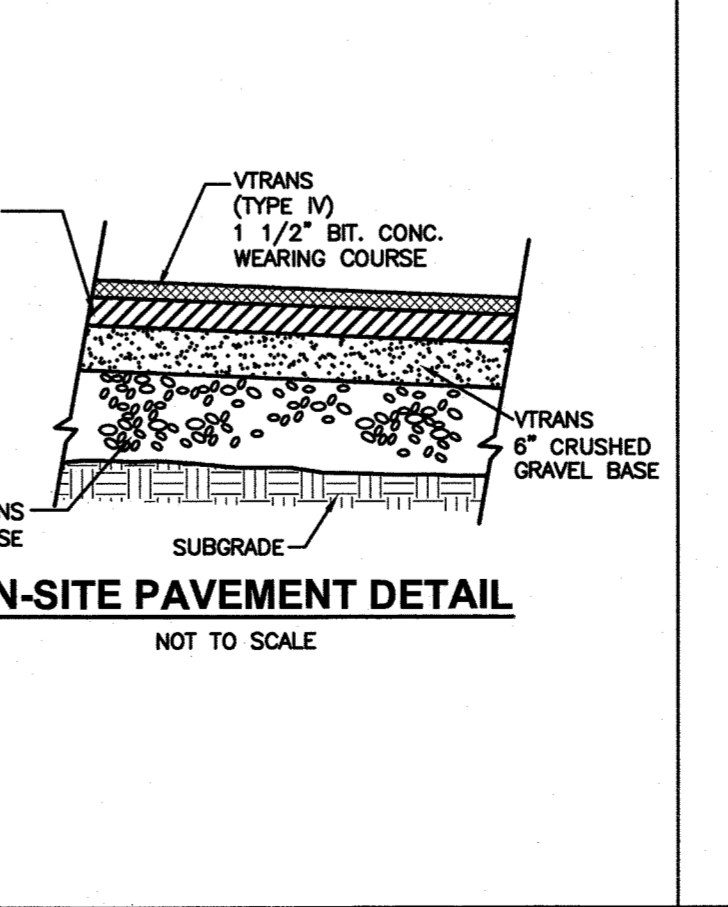
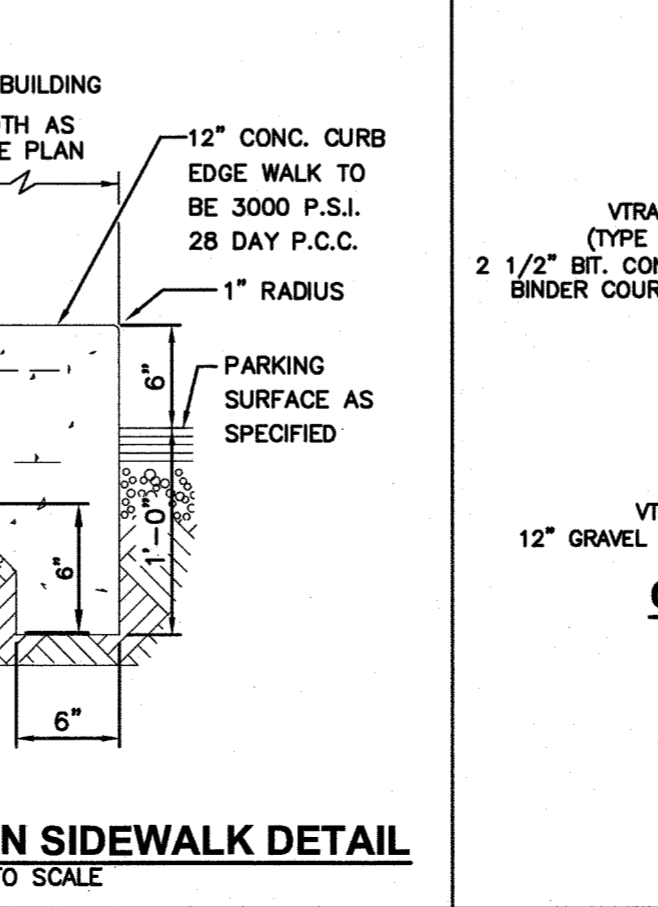
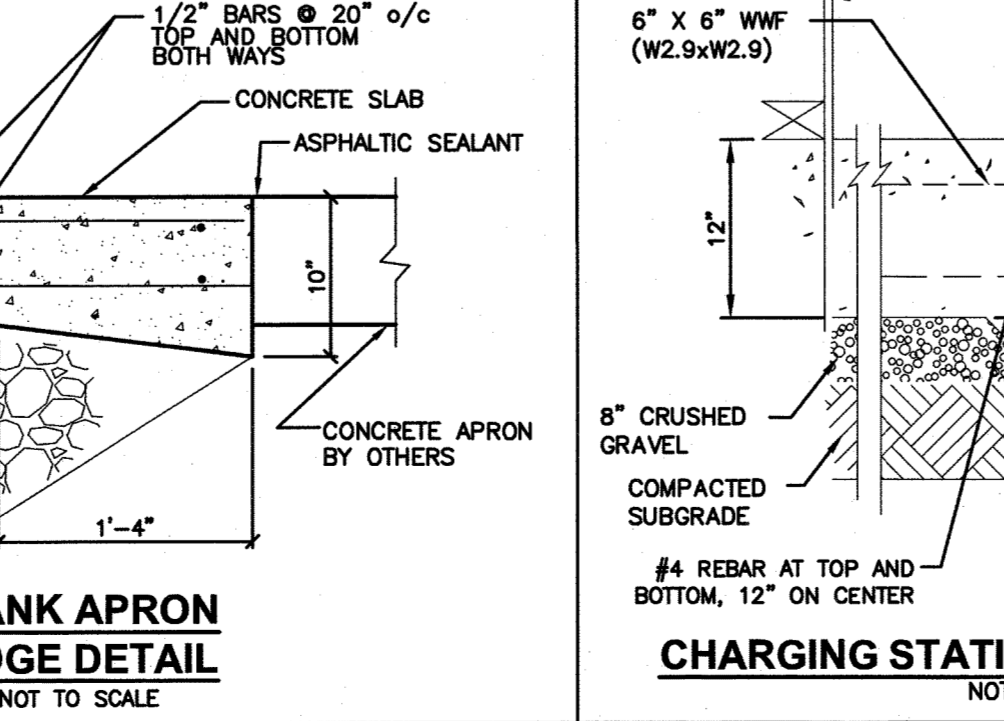
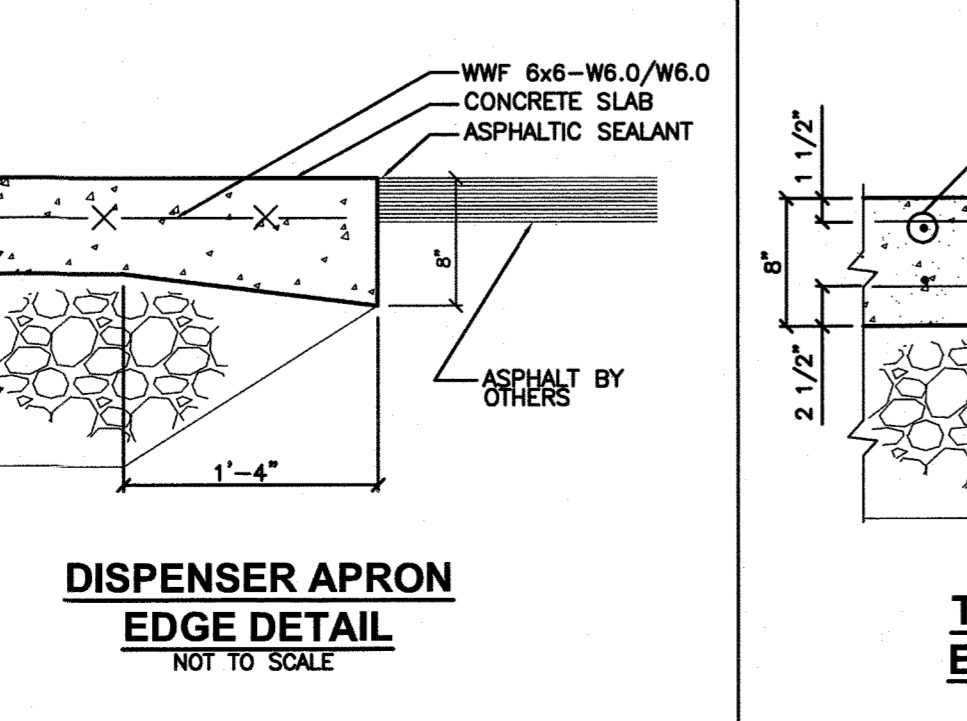
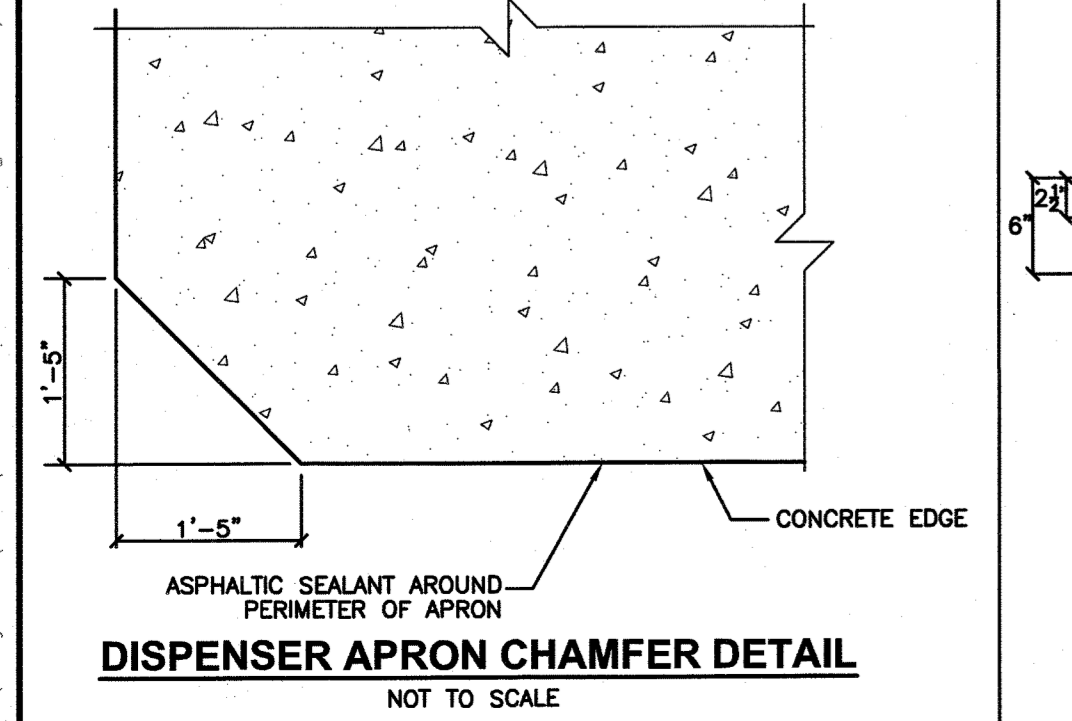
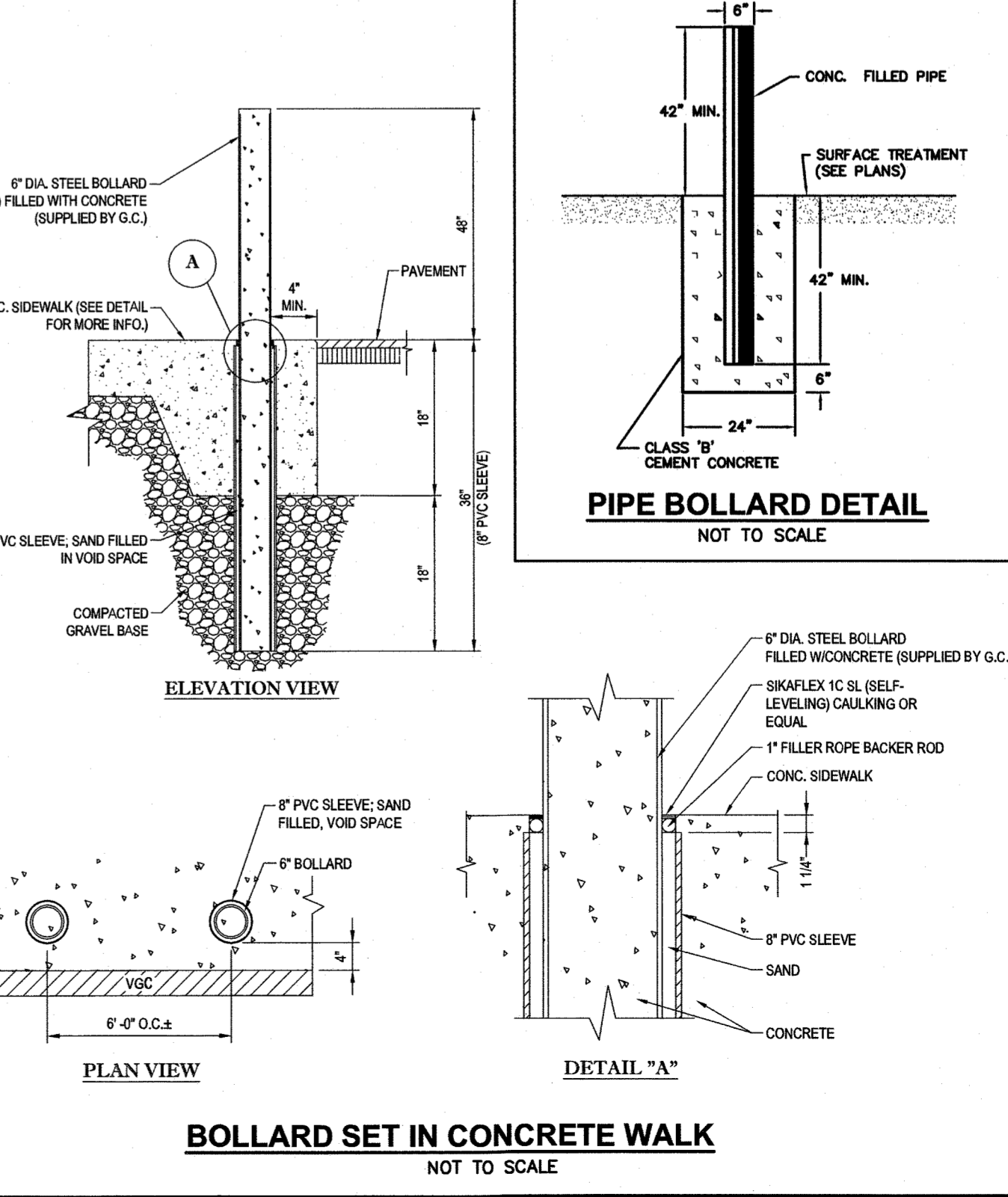
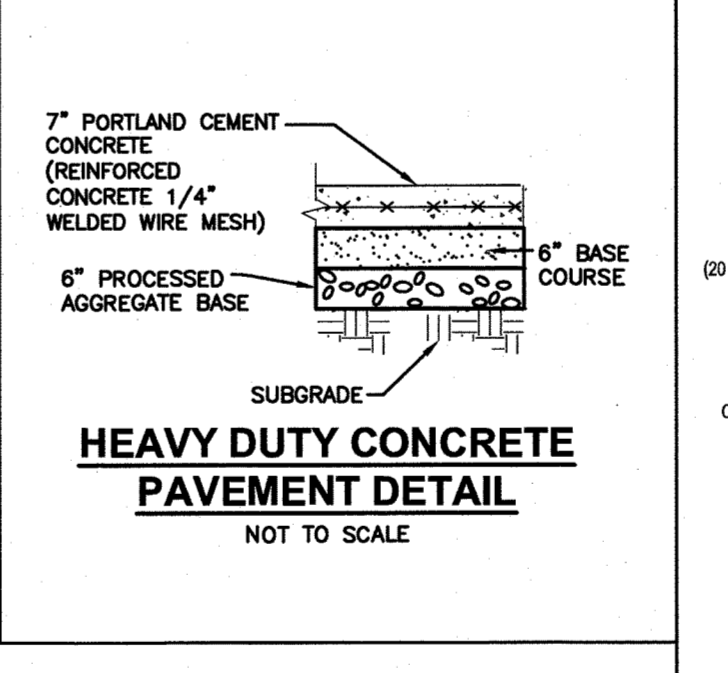
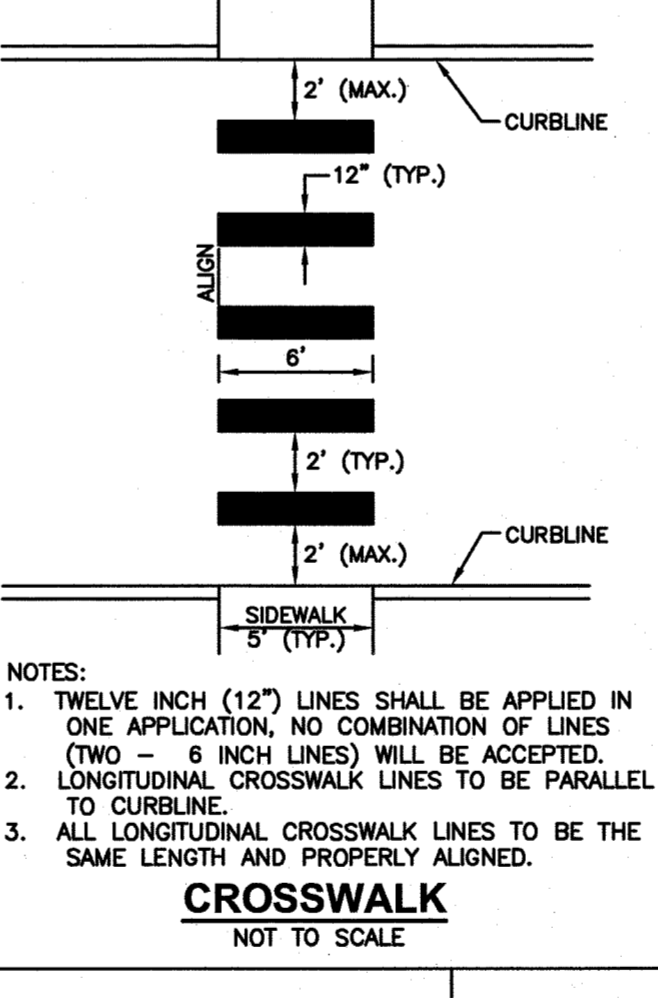
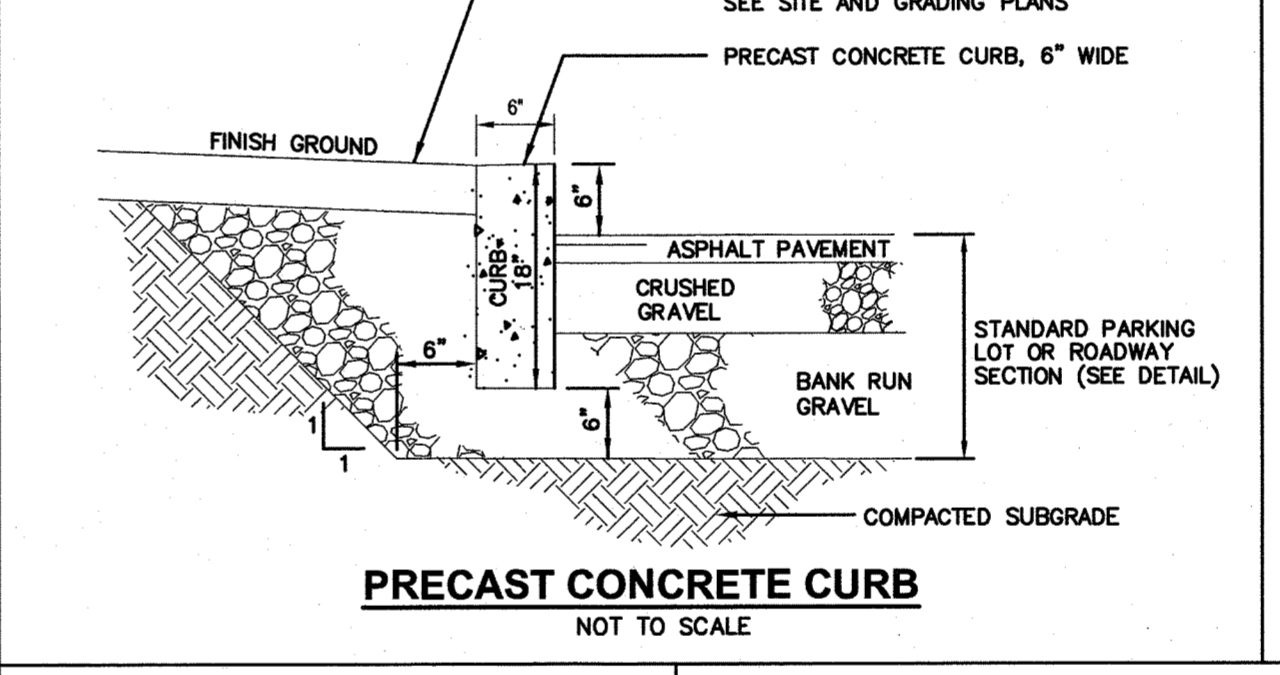
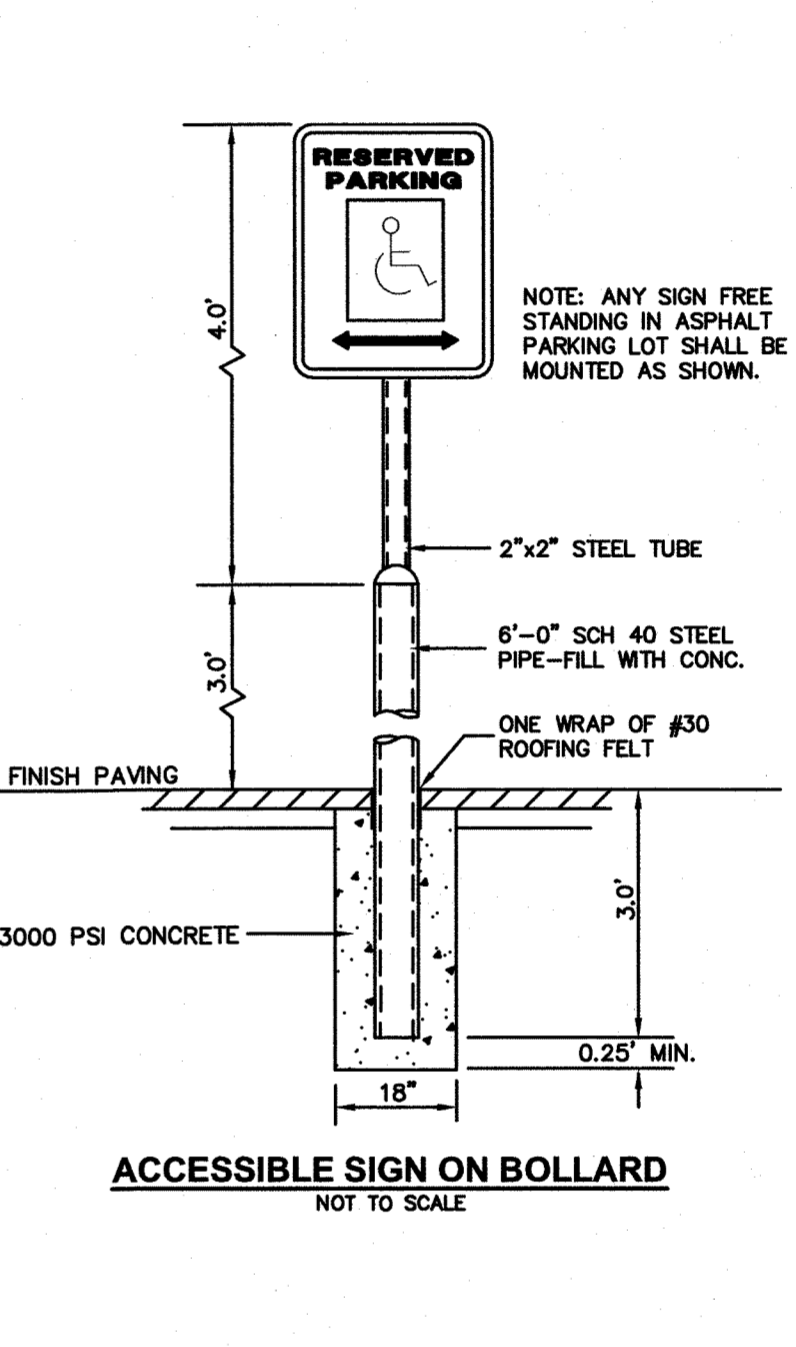
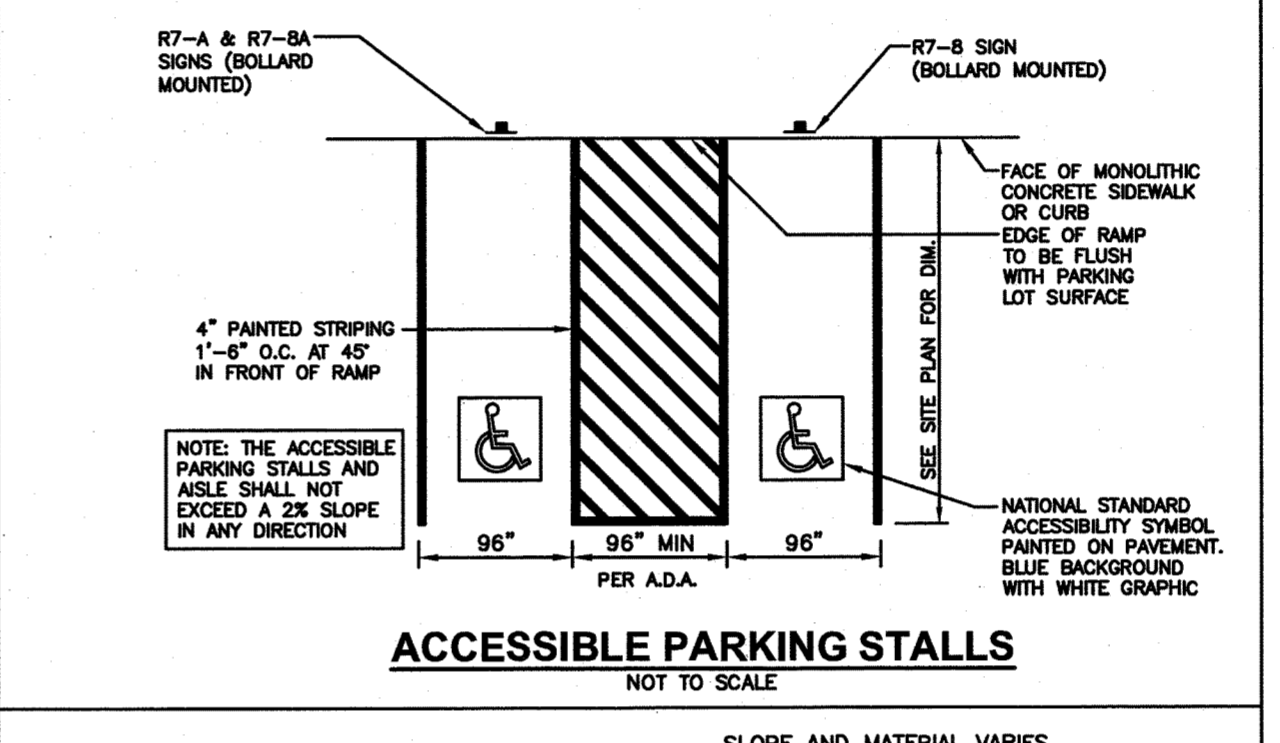
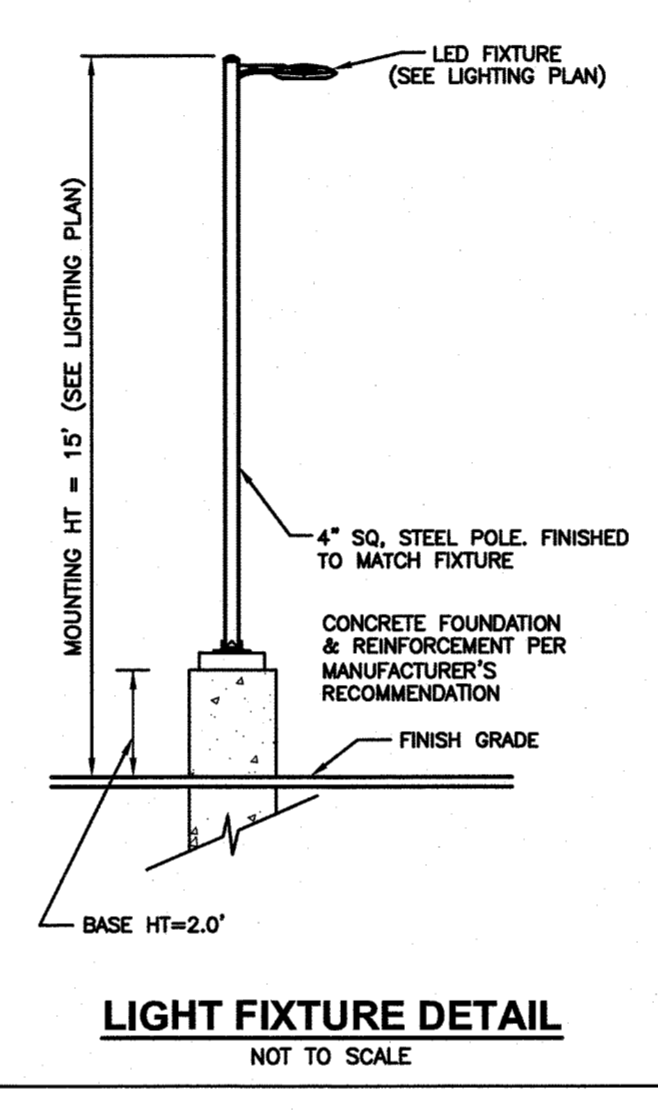
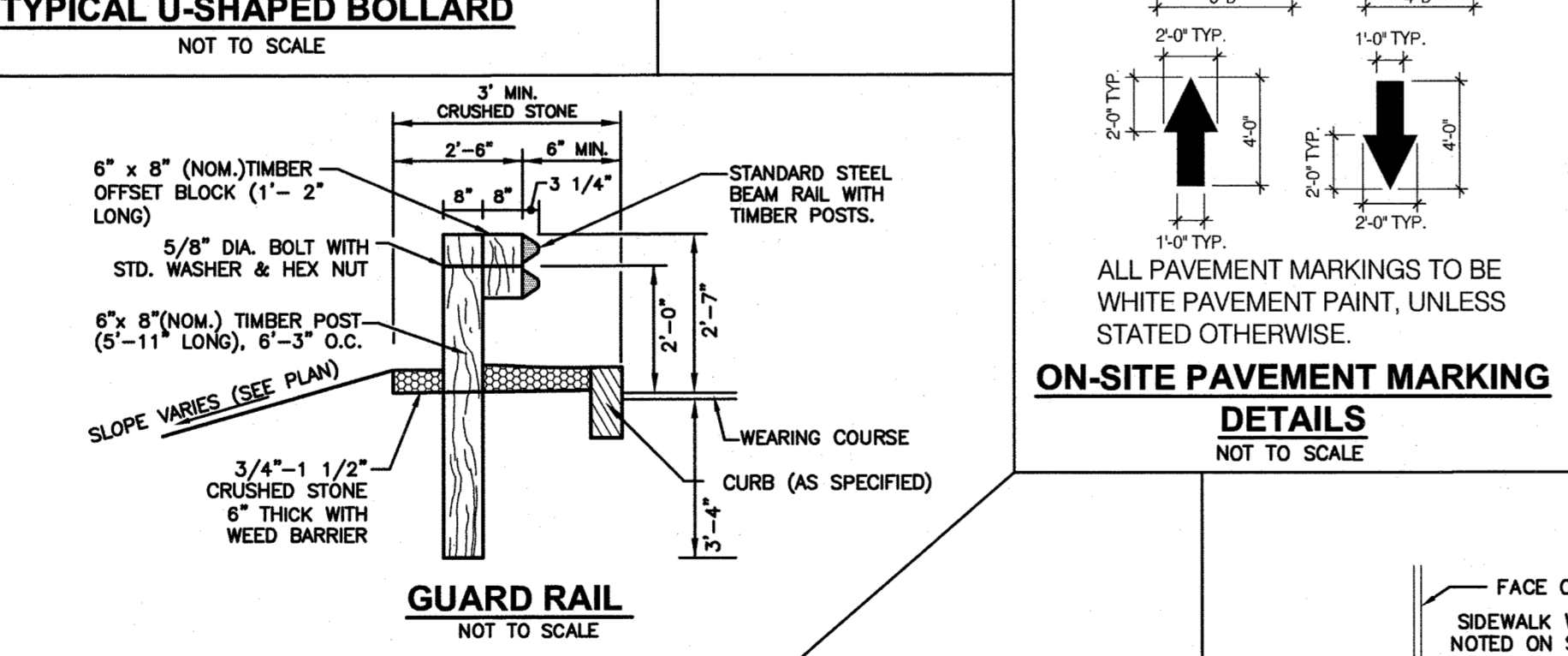
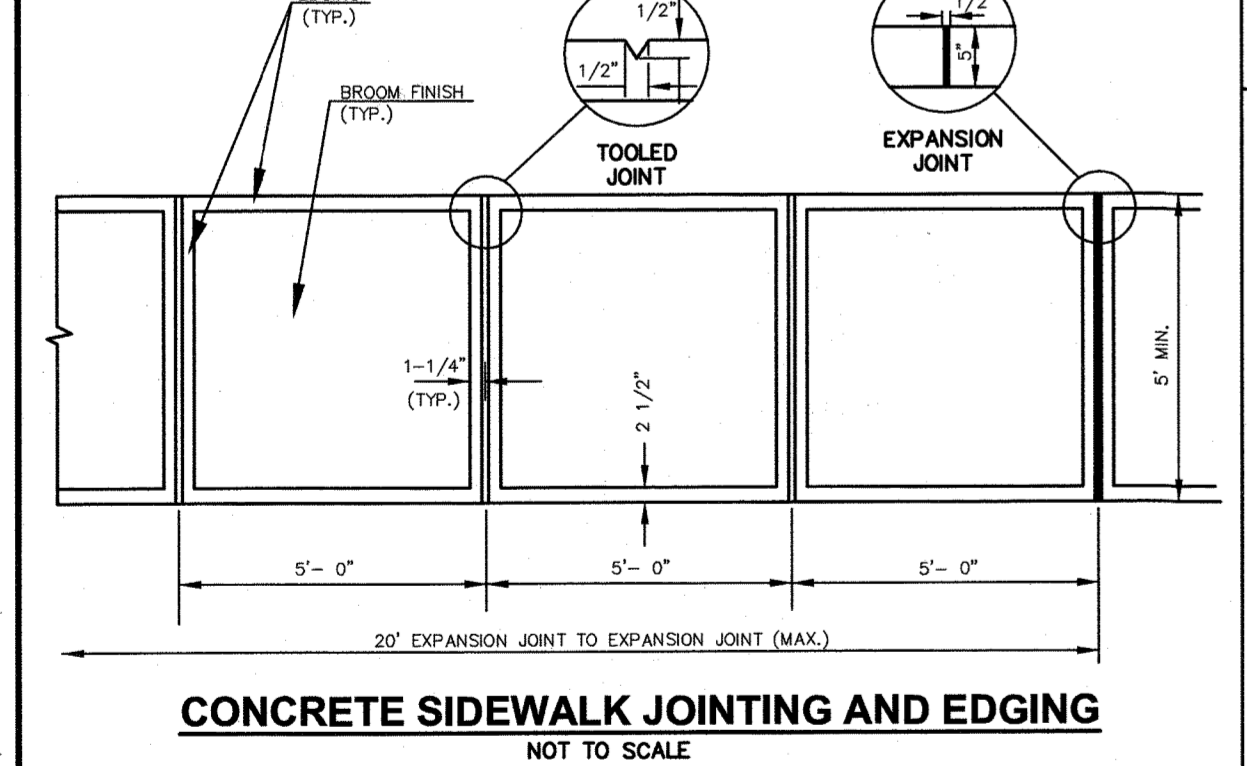
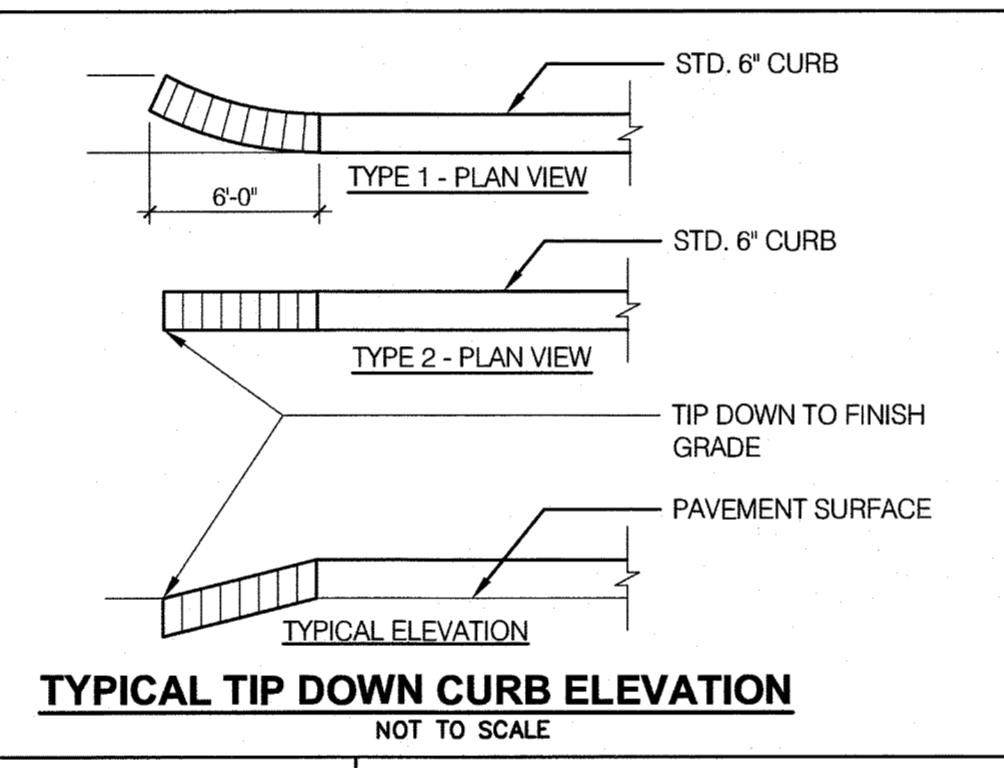
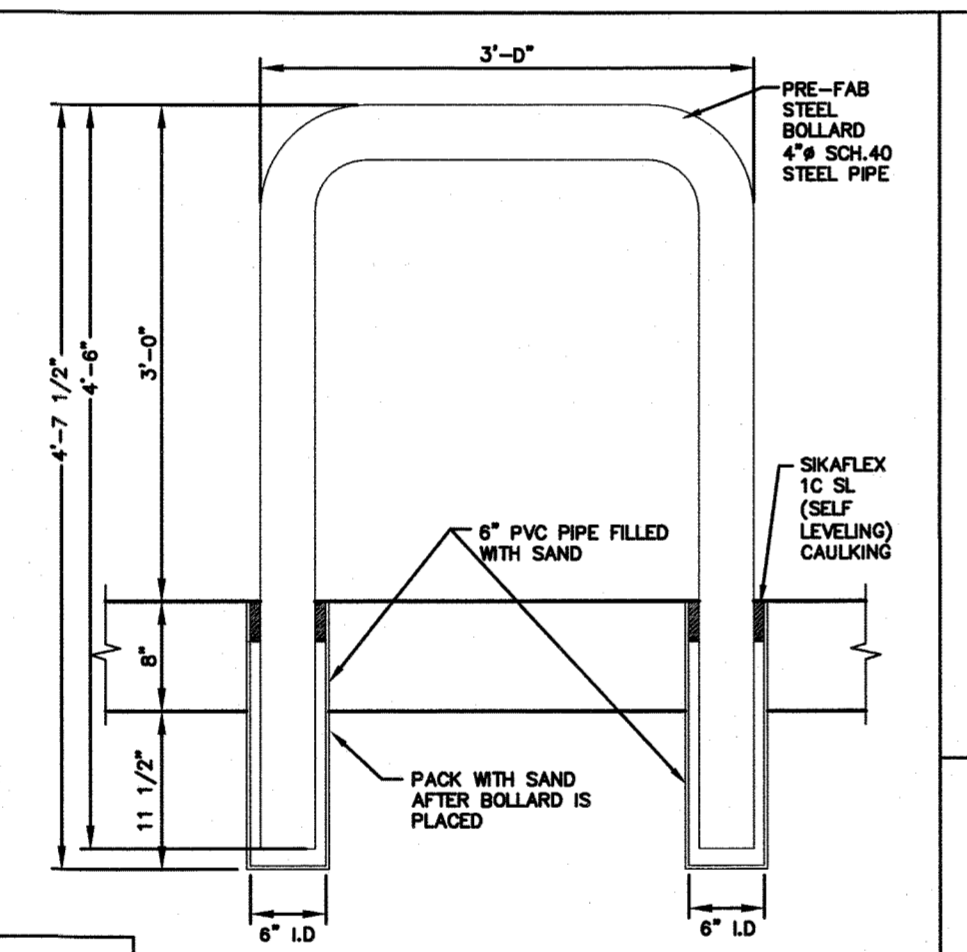
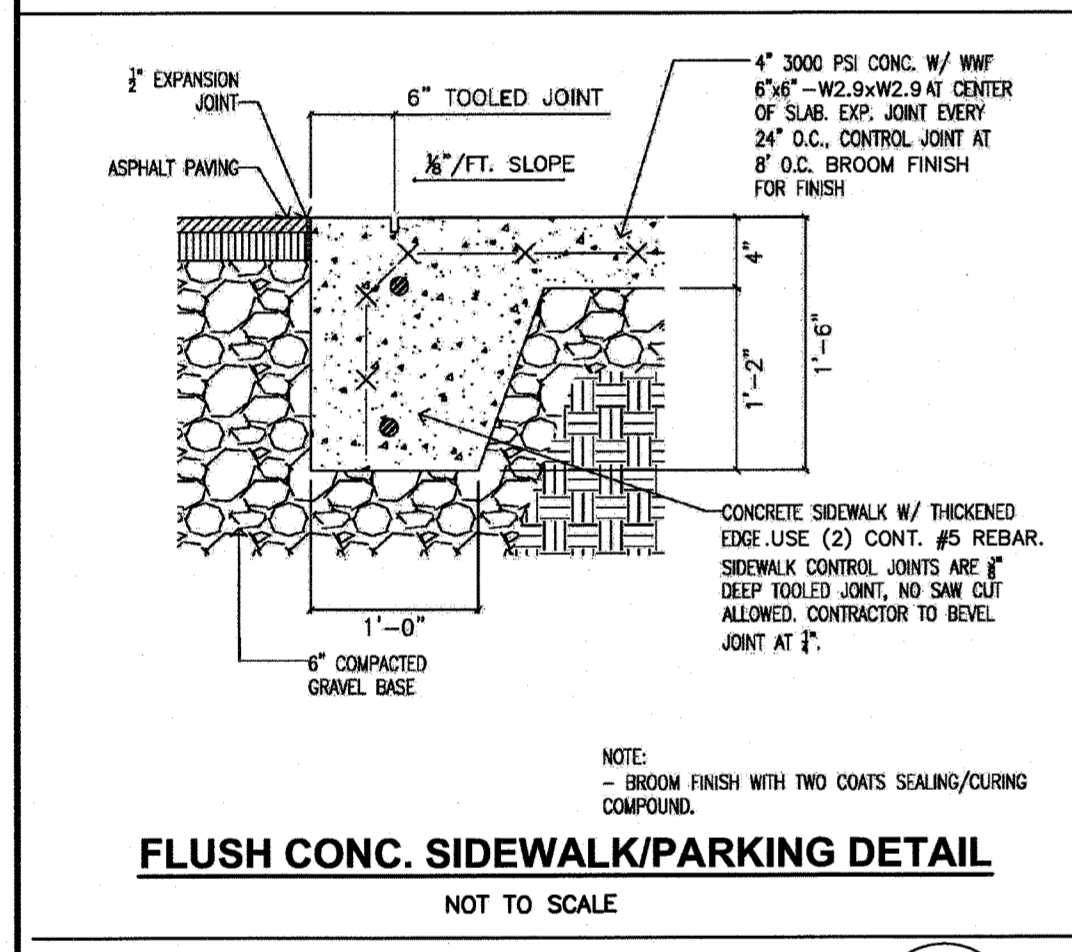
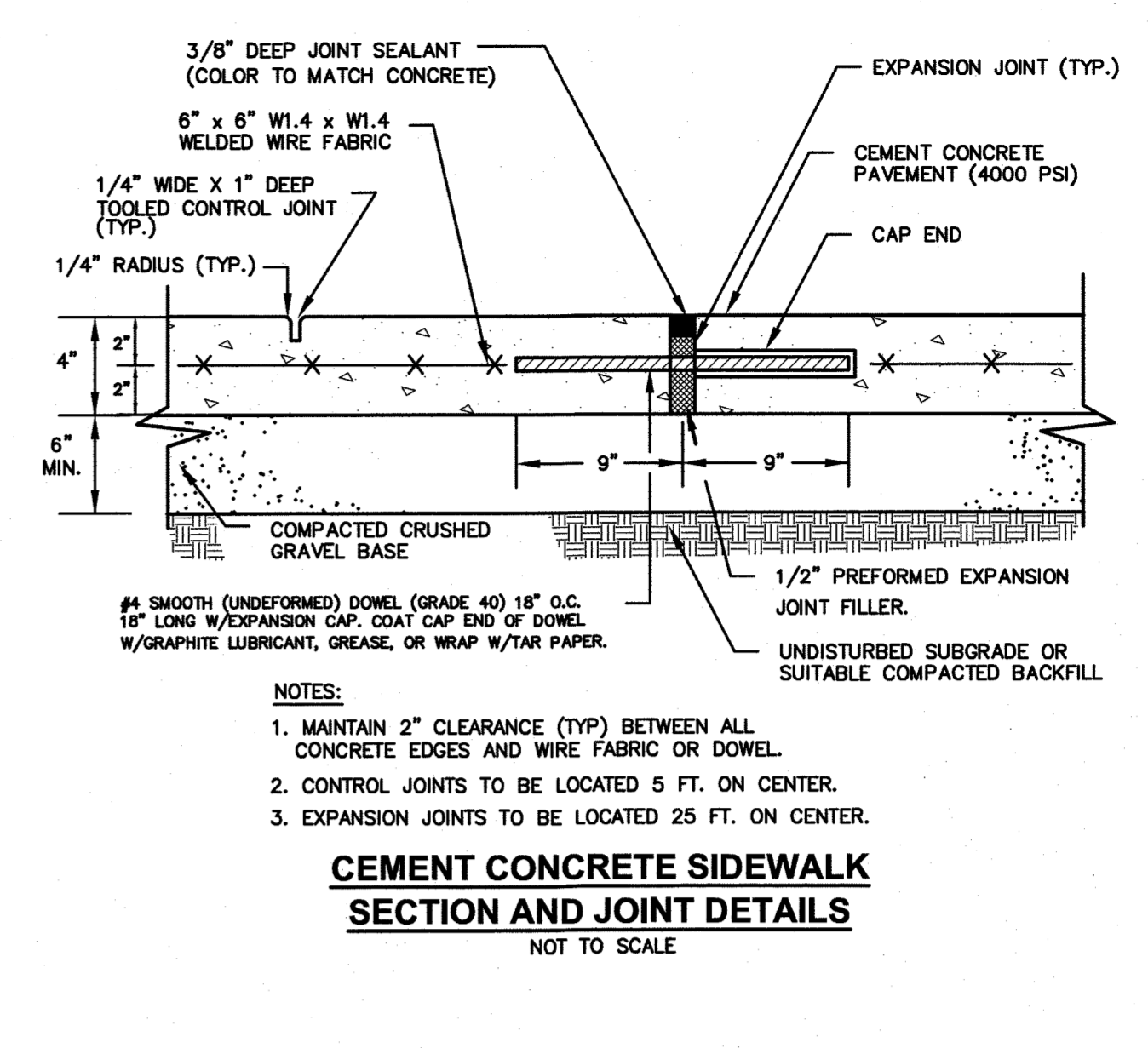
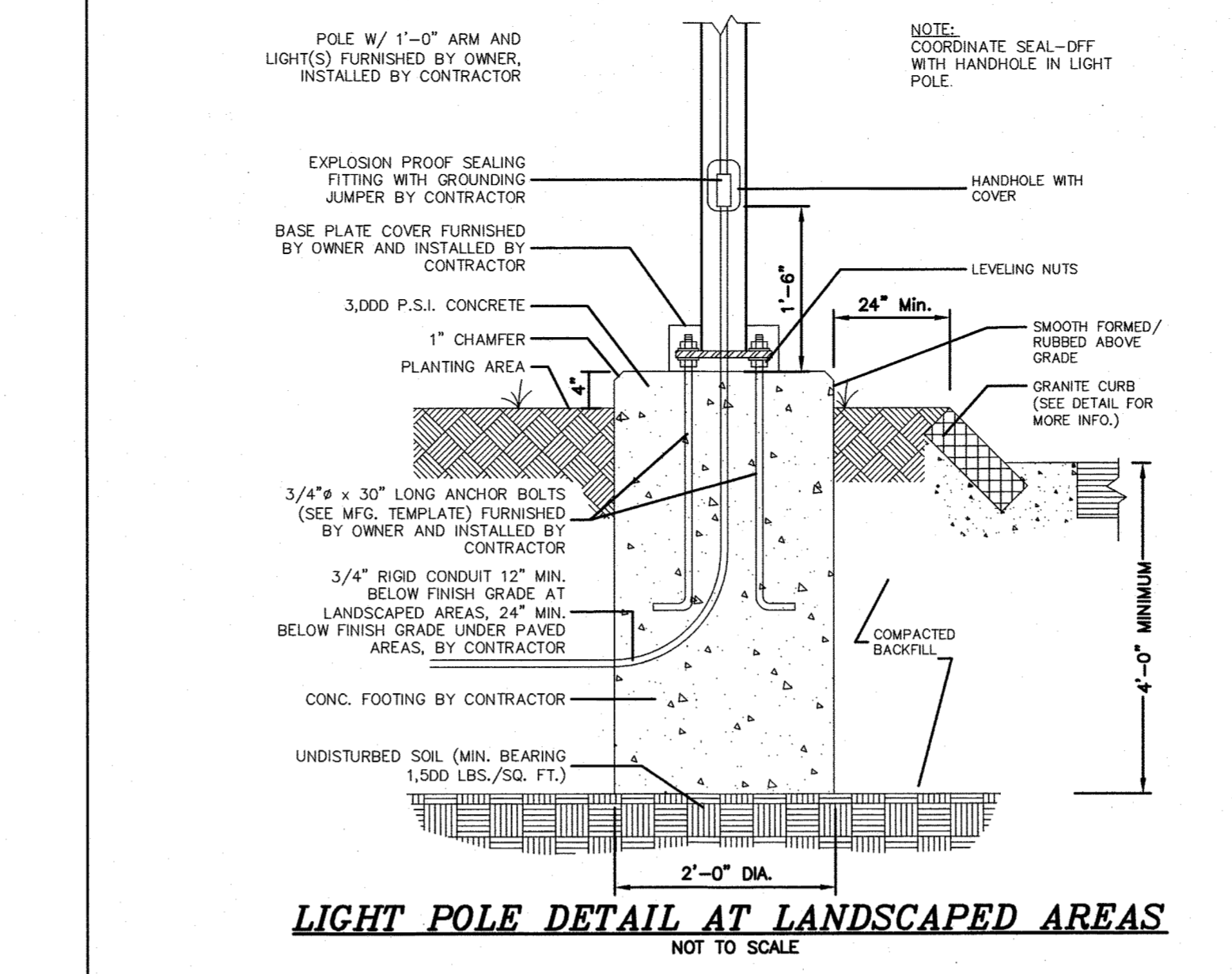
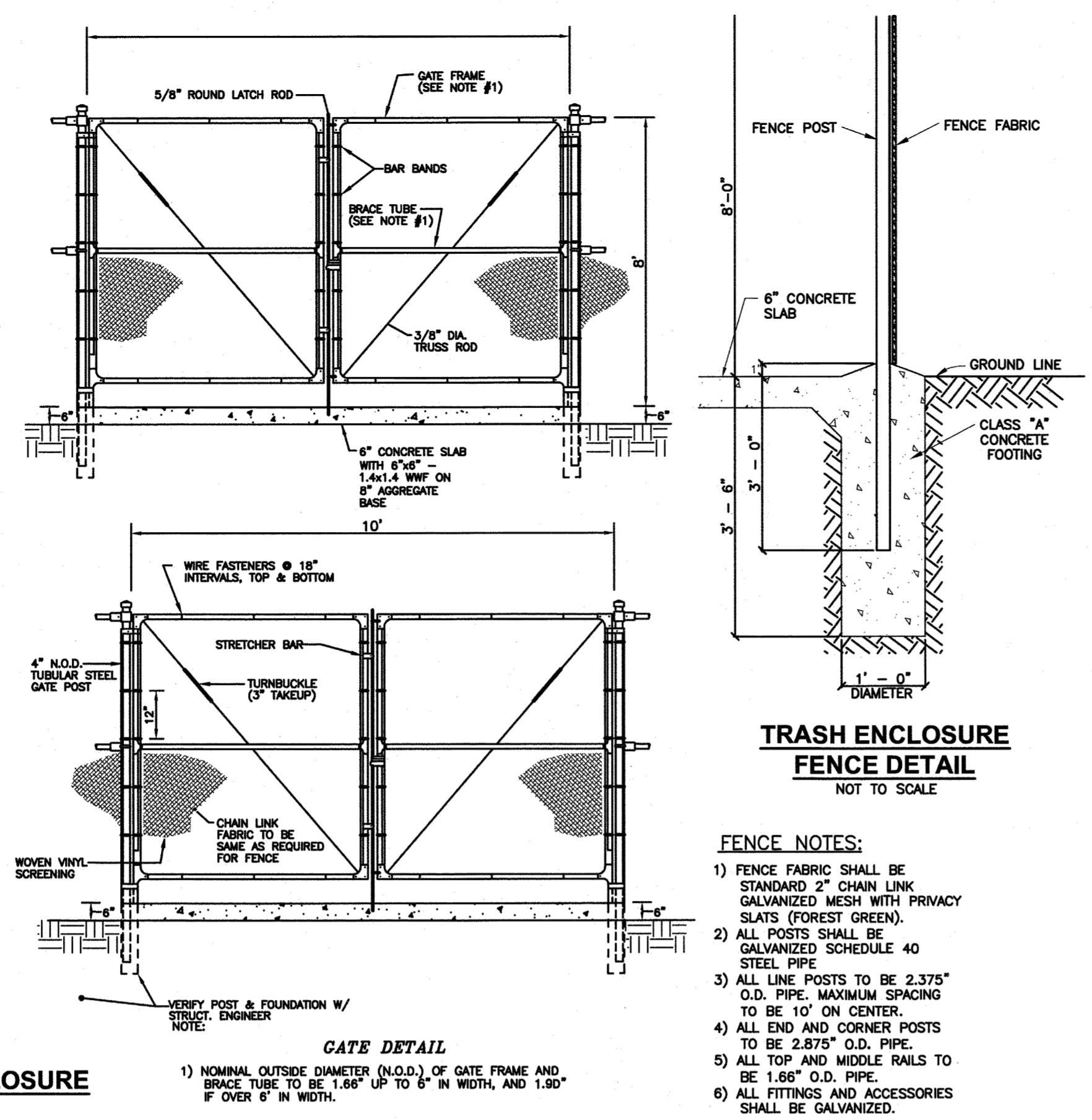
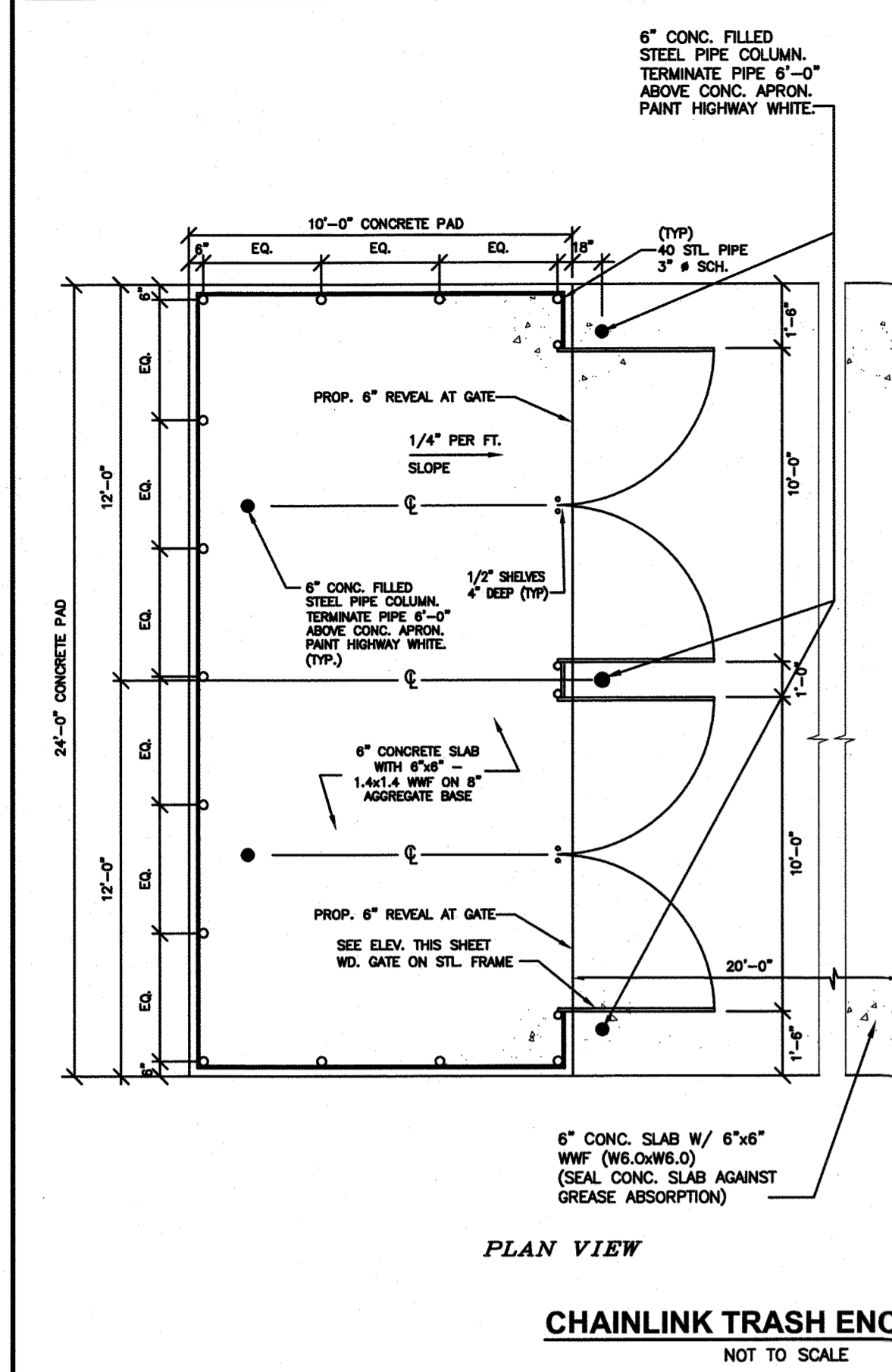
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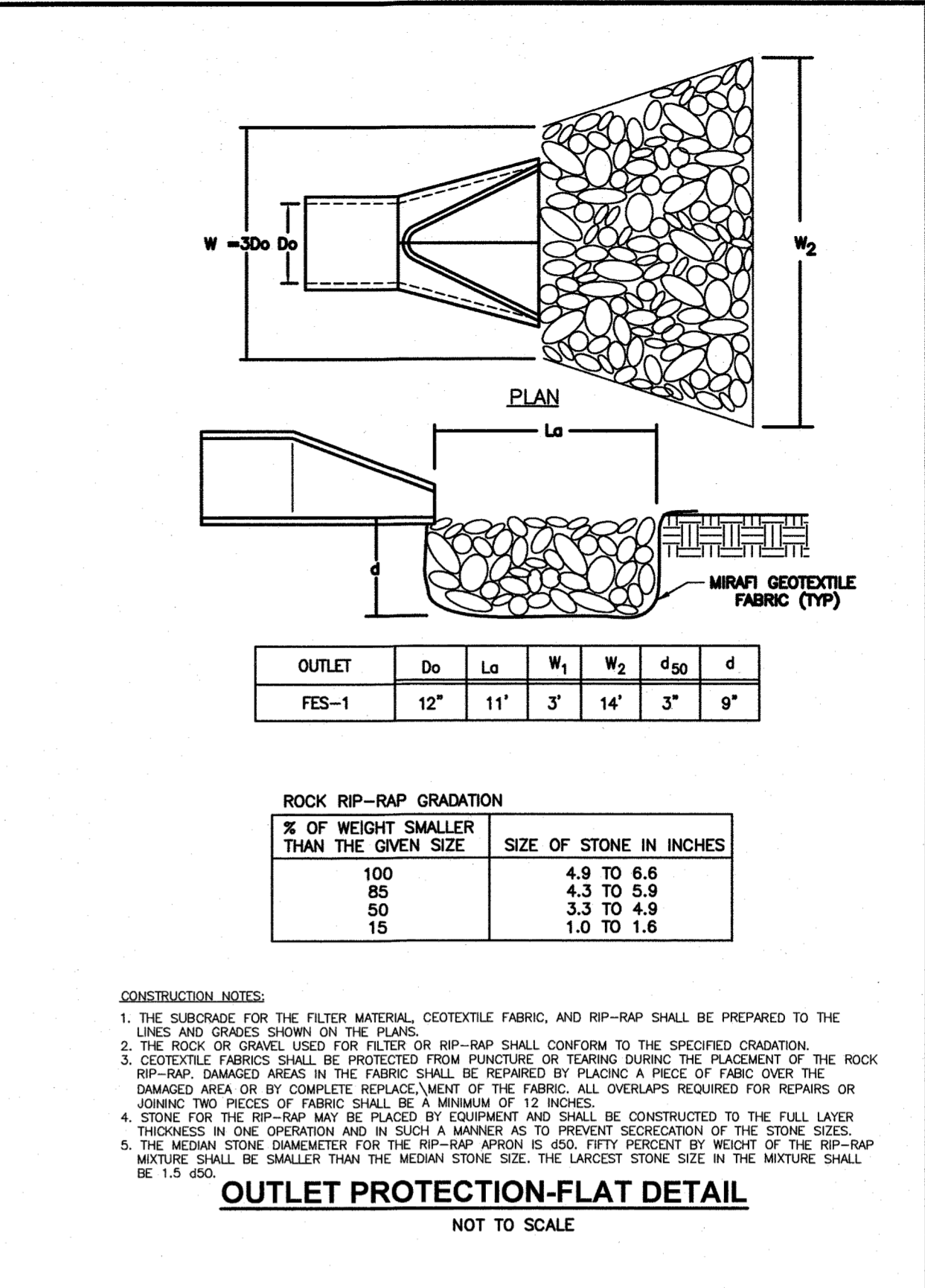
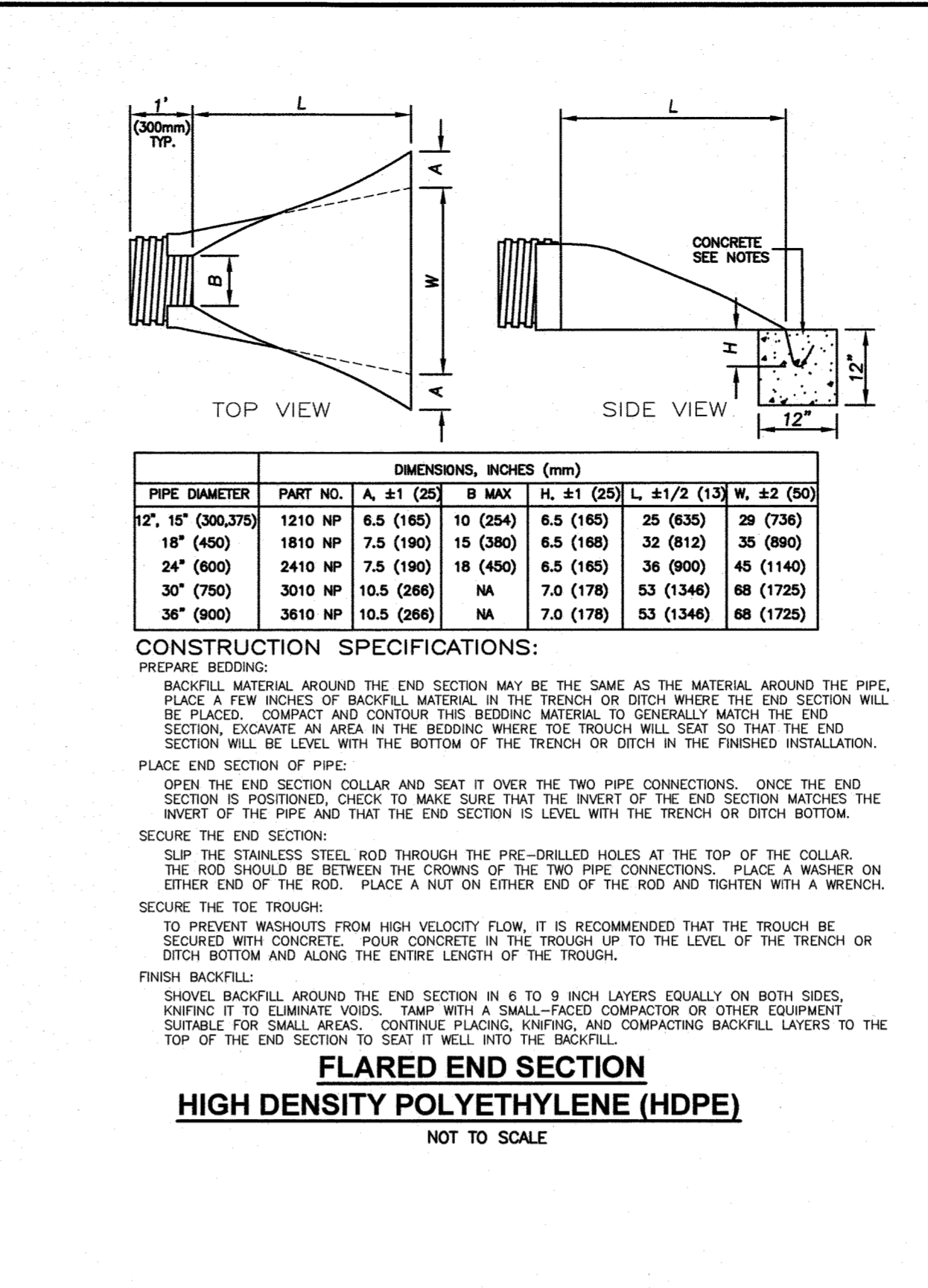
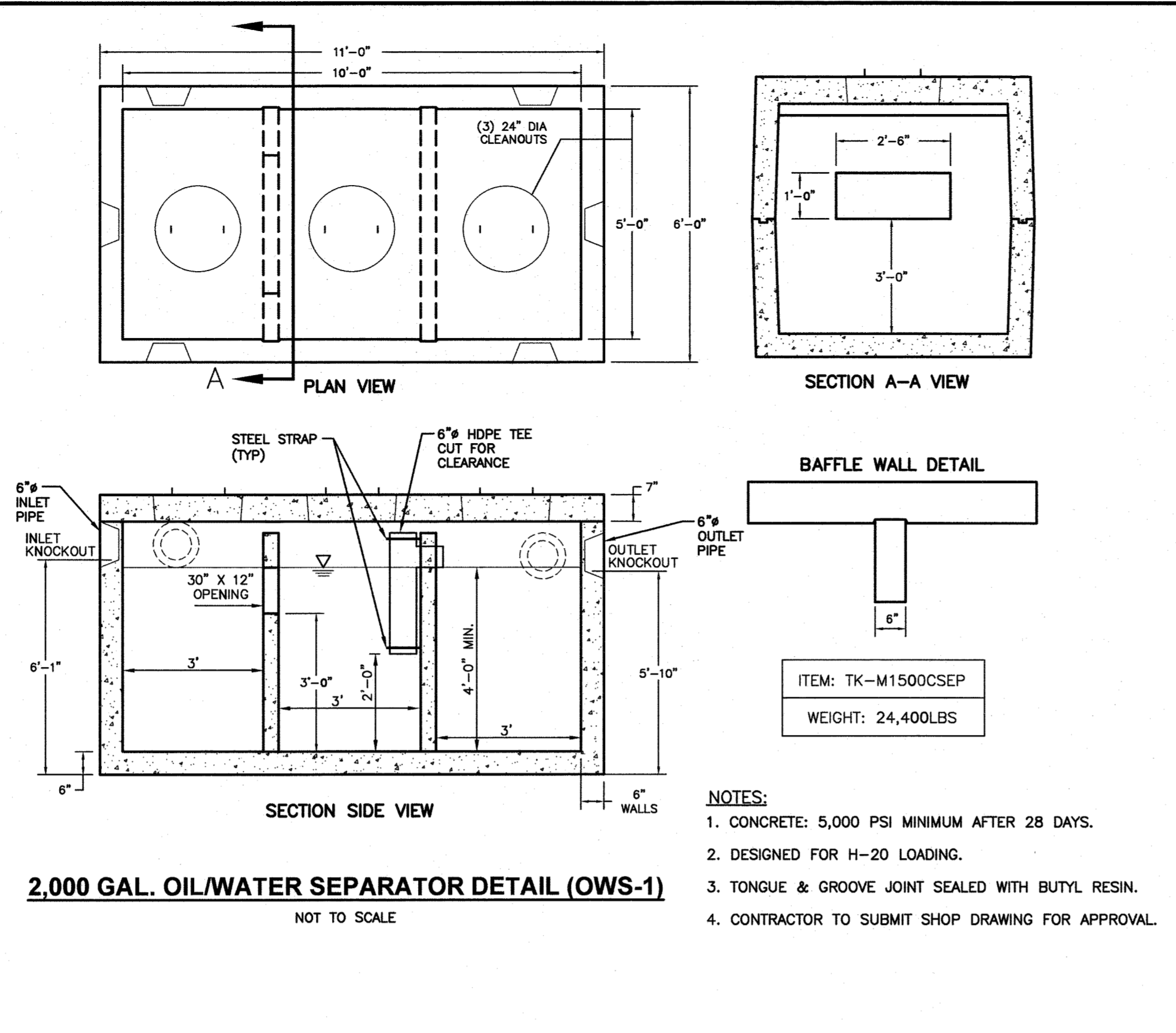
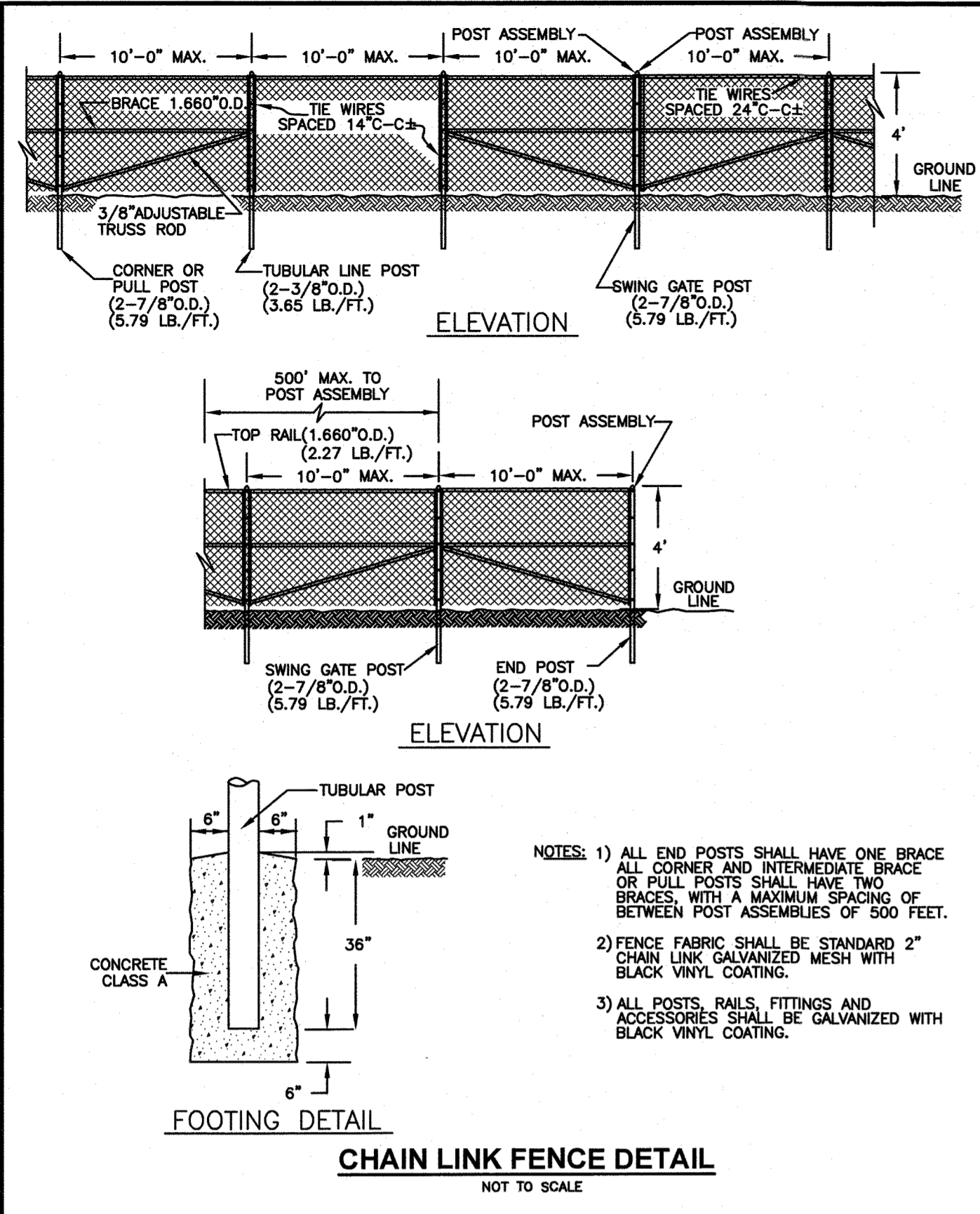
DETAIL SHEET

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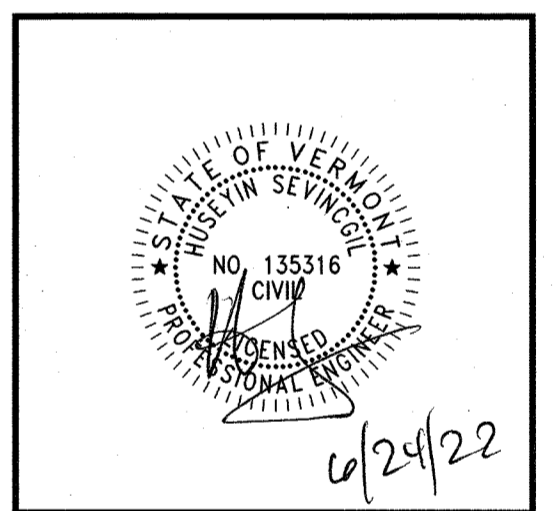
NEX-465419

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PROPOSED REDEVELOPMENT
ASSESSORS MAP 3 LOT WM1436
1436 WEST MAIN STREET
RICHMOND, VERMONT



REVISIONS		
NO.	REVISION	DATE
1	REM SIGNAGE	6/24/22

JUNE 22, 2022

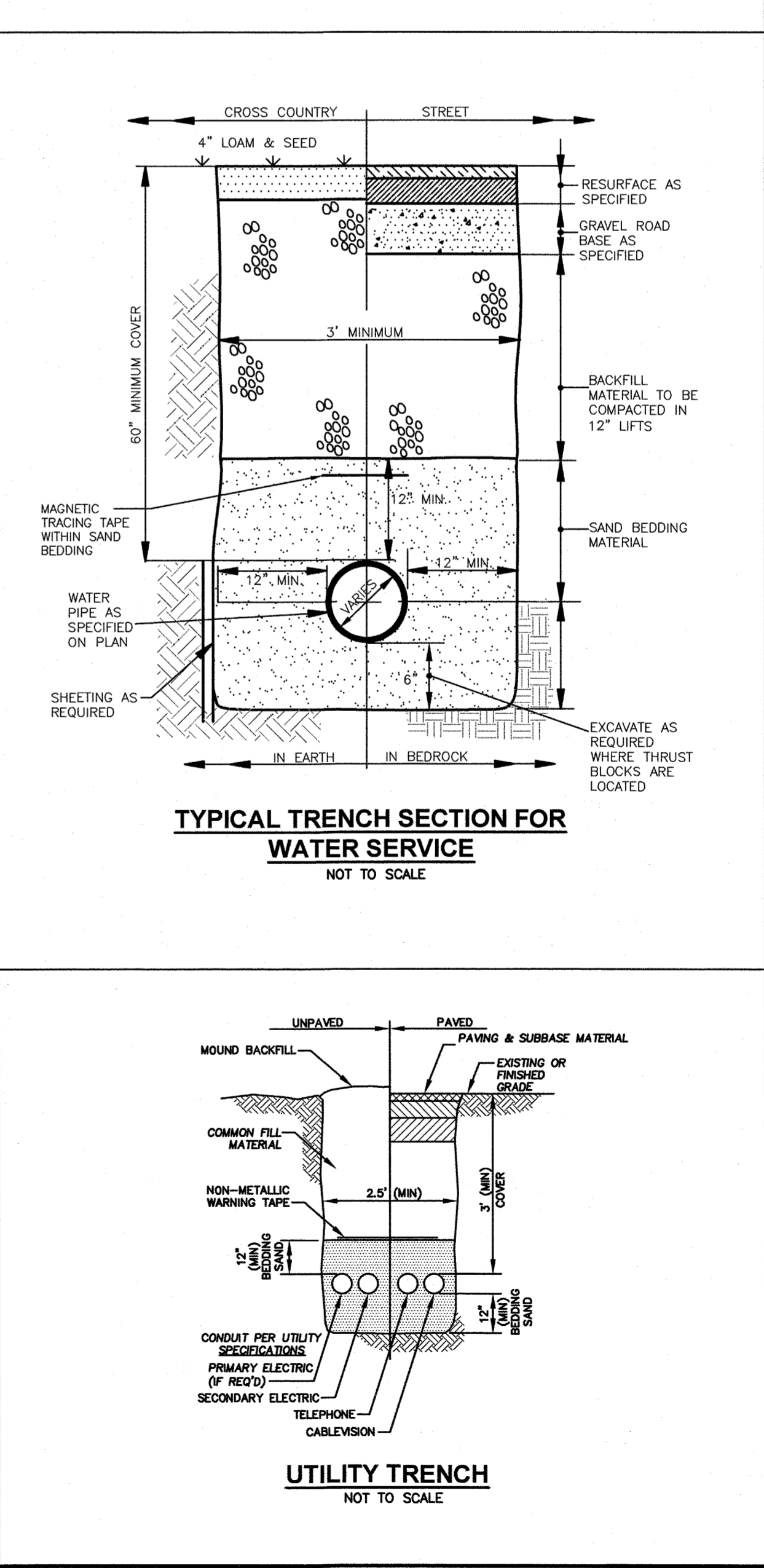
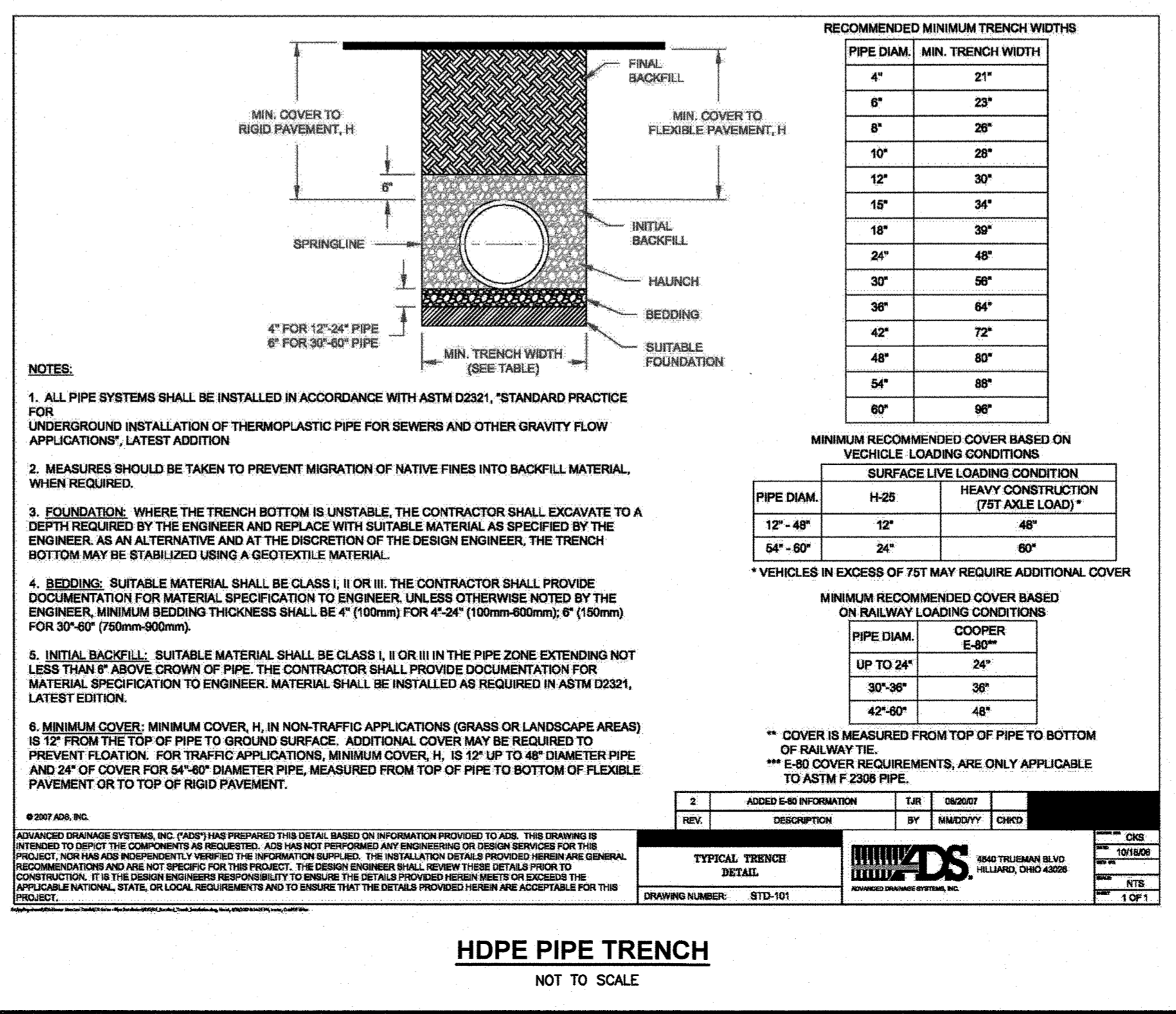
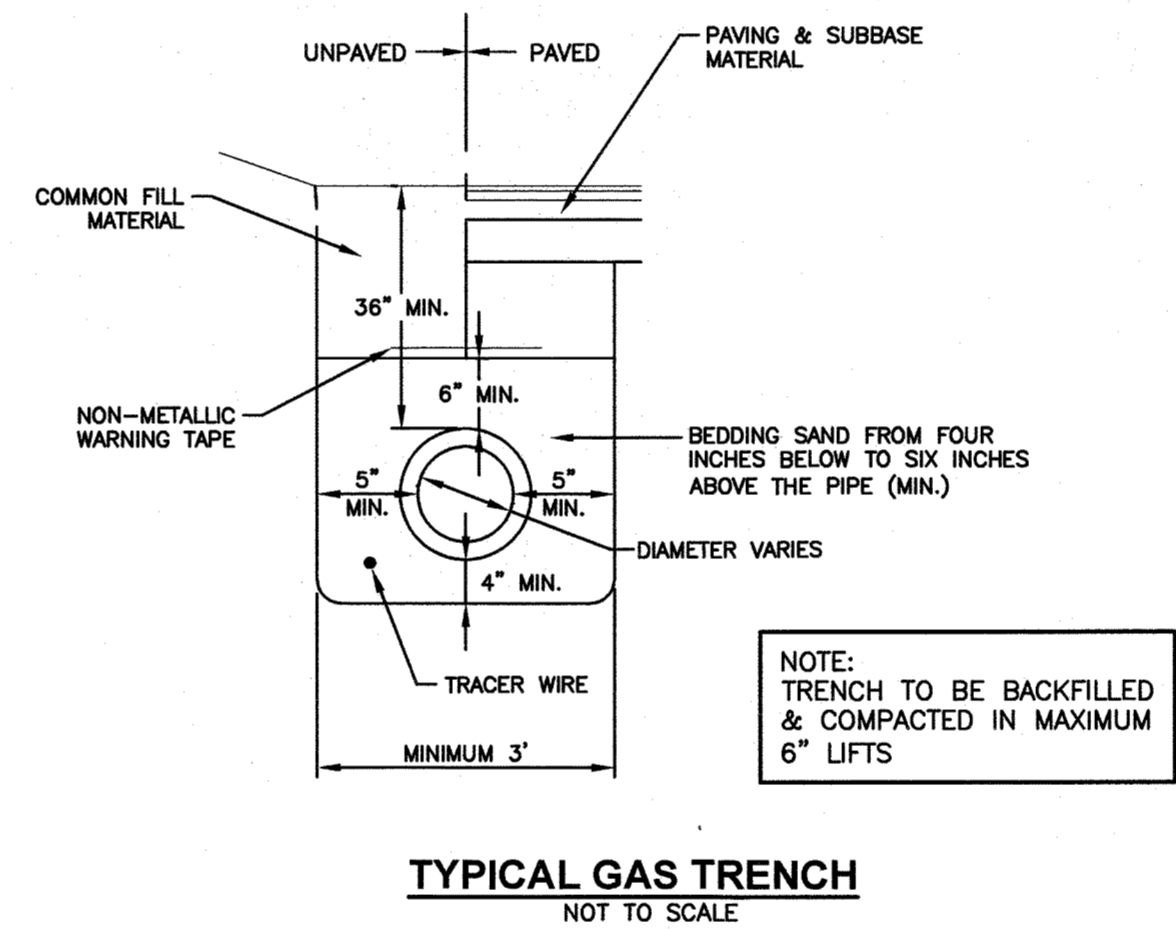
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DETAIL SHEET

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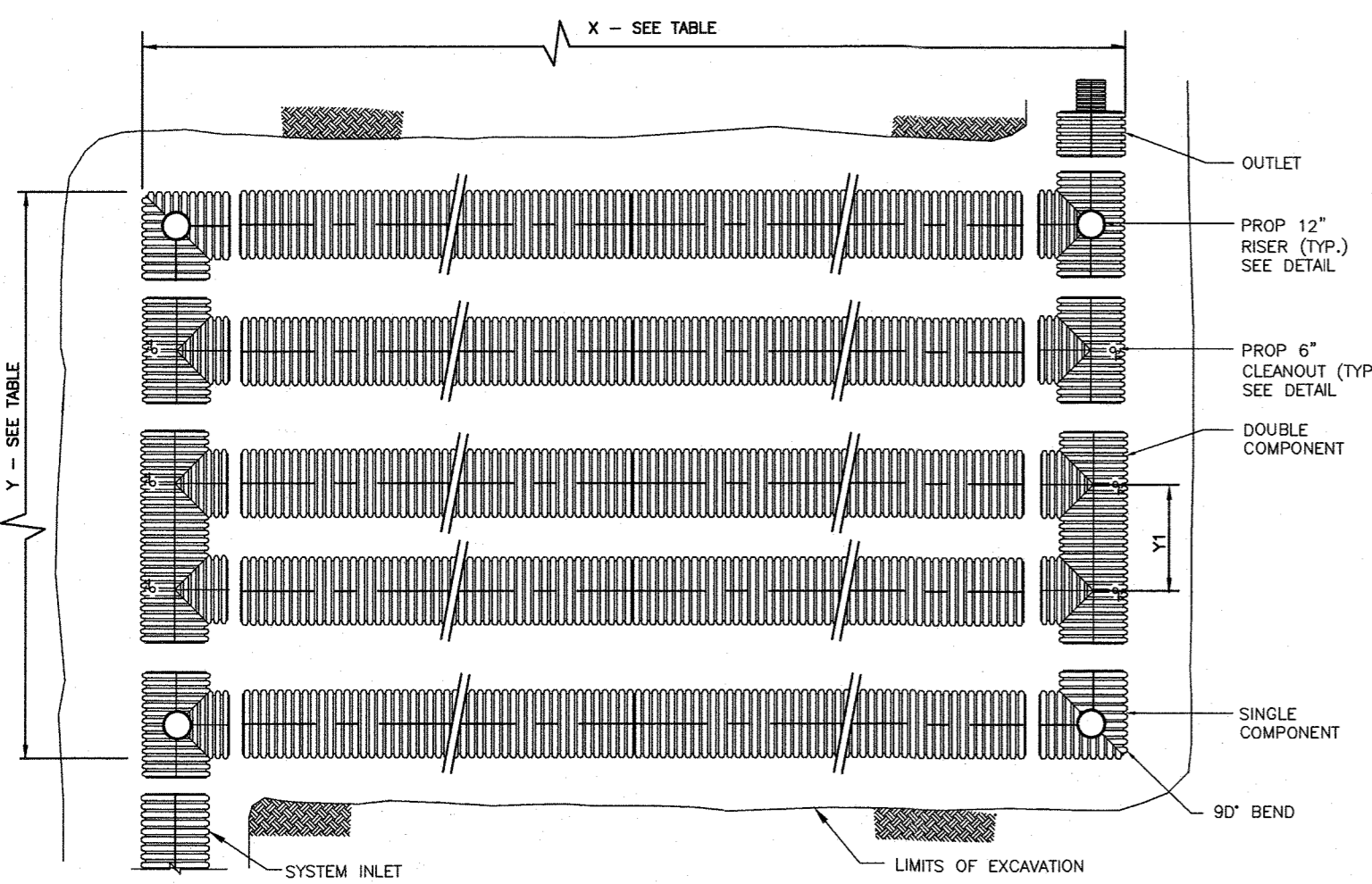
NEX-465419

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DETENTION SYSTEM NOTES:

- 1) ALL SITE DRAINAGE PIPE SHALL BE CORRUGATED HIGH-DENSITY POLYETHYLENE PIPE, DUAL WALL, SMOOTH INTERIOR AS MANUFACTURED BY ADS, INC., OR APPROVED EQUAL, UNLESS OTHERWISE NOTED ON PLAN.
- 2) CONTRACTOR SHOULD CONFIRM SYSTEM PARTS AND OBTAIN SHOP DRAWINGS FROM MANUFACTURER. SUBSTITUTIONS AND SHOP DRAWINGS SHOULD BE APPROVED BY THE ENGINEER.
- 3) PARTS SPECIFICATIONS SHOWN ARE AS PROVIDED BY ADS, INC., OR APPROVED EQUAL. ANY CHANGES TO THESE SPECIFICATIONS SHOULD BE APPROVED BY DESIGN ENGINEER FOR PERFORMANCE.

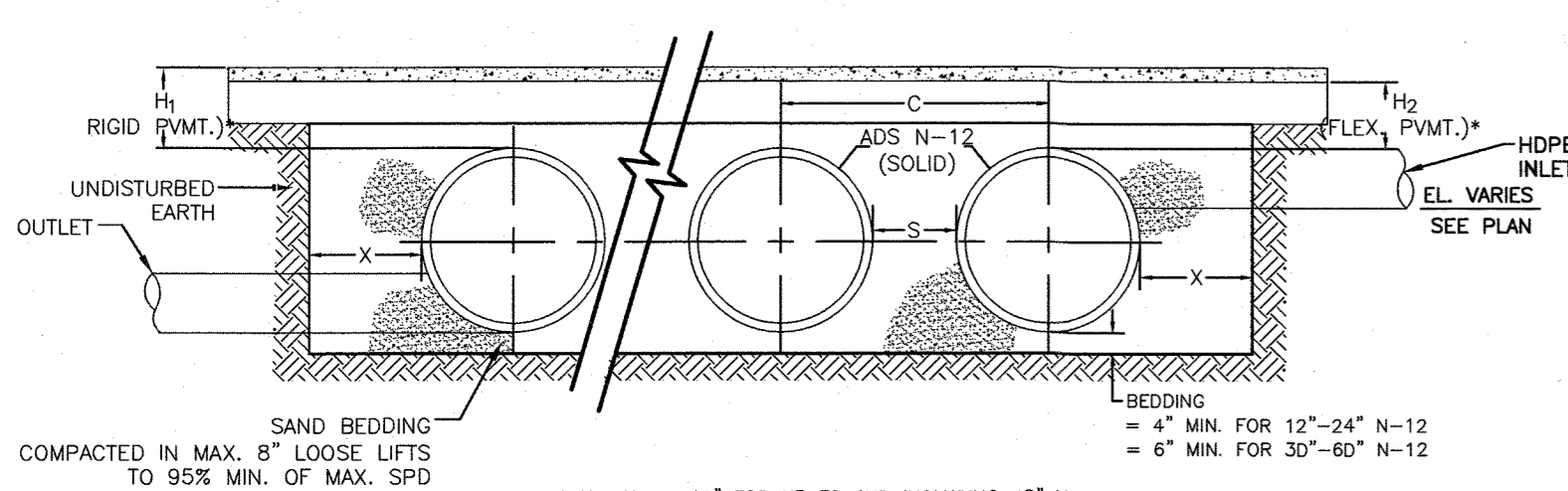


UNDERGROUND STORMWATER DETENTION SYSTEM TABLE

UG DETENTION SYSTEM	LENGTH (X)	WIDTH (Y)	*SPACING (Y1) (O.C. TYP.)	PIPE SIZE (INCHES) SOLID	INV. PIPE ELEV. (A)	# PIPE ROWS
UG-DET	32'	19.25'	63"	36" SOLID (WT)	299.00	4

* SEE TYPICAL CROSS SECTIONS BELOW
WT = WATERTIGHT JOINTS

TYPICAL UNDERGROUND DETENTION SYSTEM LAYOUT
NOT TO SCALE

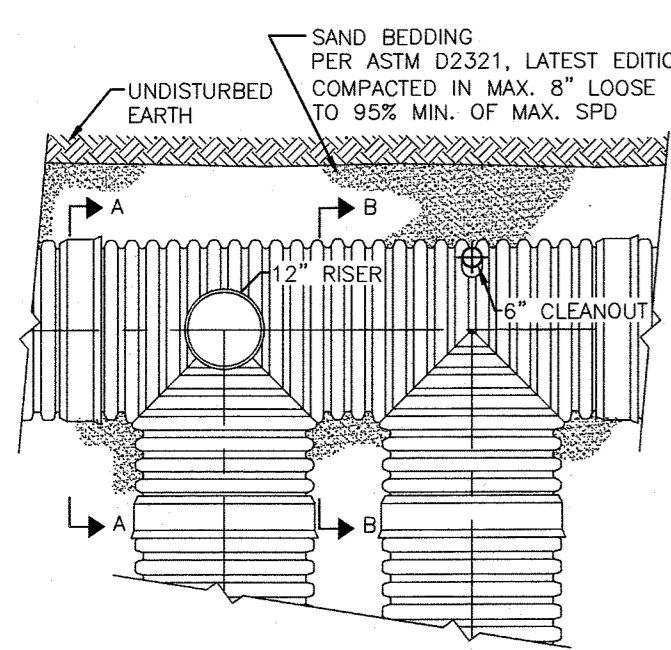


NOMINAL DIAMETER	NOMINAL O.D.	TYPICAL SPACING "S"	TYPICAL SPACING "C"	TYPICAL SIDE WALL "X"
12"	14.5"	11"	25.4"	8"
15"	18"	12"	28.9"	8"
18"	21"	13"	33.9"	9"
24"	28"	13"	40.7"	10"
30"	36"	17.1"	53.1"	18"
36"	42"	22"	63"	18"
42"	48"	24"	71.9"	18"

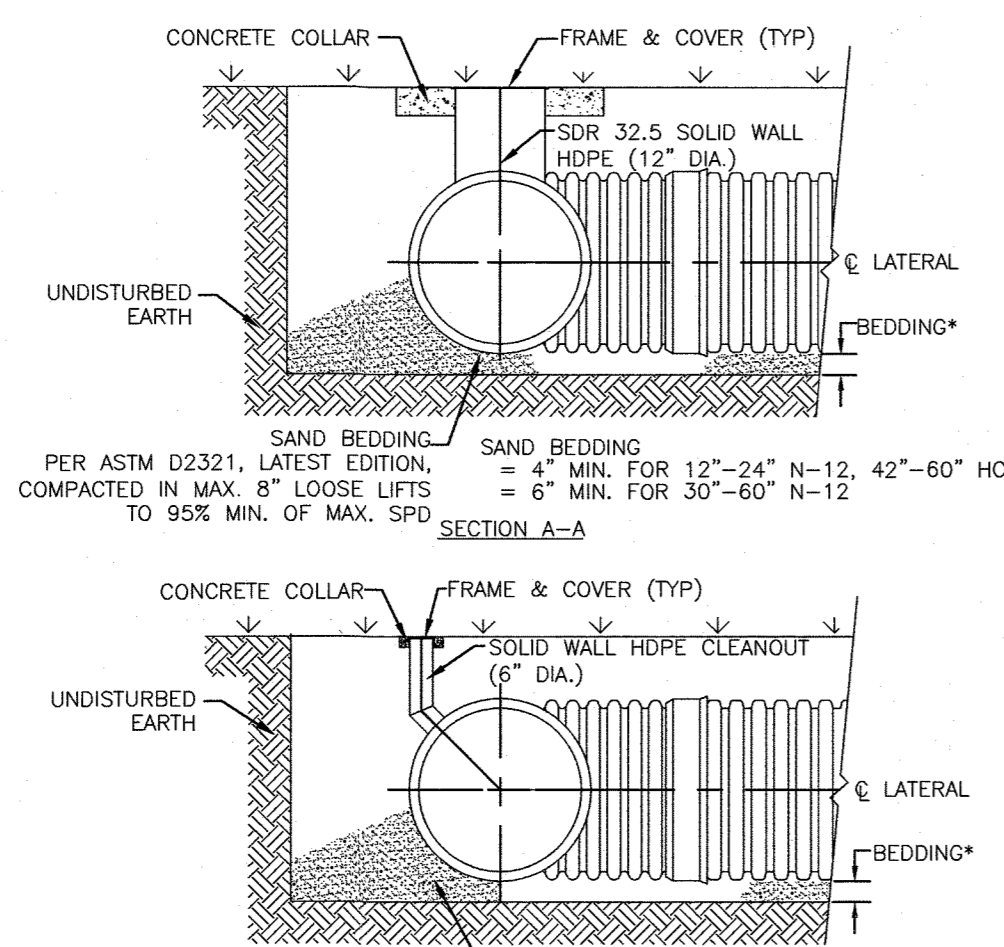
- NOTES:**
1. ALL DETENTION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
 2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF FINE SANDS INTO BACKFILL MATERIAL, WHEN REQUIRED.
 3. SEE GRADING & DRAINAGE PLAN FOR INVERT DATA.
 4. EXISTING TOPSOIL, BRUSH, TREES, BOLLERS, FILL AND DEBRIS TO BE REMOVED FOR 5' ALL AROUND UNDERGROUND DETENTION SYSTEM DOWN TO NATIVE MATERIAL. BACKFILL WITH STONE BEDDING MATERIAL (CLASS 1A OR 1B).

TYPICAL UNDERGROUND DETENTION SYSTEM CROSS SECTION
NOT TO SCALE

ADS STANDARD DETAILS DISCLAIMER
ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS STANDARD DETAIL TO DEMONSTRATE ADS' RECOMMENDED INSTALLATION OF ITS PRODUCTS FOR THE DEPICTED APPLICATION. IN ADDITION TO ADS' RECOMMENDATIONS, THERE MAY BE OTHER NATIONAL, STATE OR LOCAL SPECIFICATIONS THAT ARE PERTINENT TO THIS APPLICATION. ADS' STANDARD DETAIL IS NOT INTENDED TO SUPERSEDE ANY NATIONAL, STATE OR LOCAL SPECIFICATIONS, AND ADS RECOMMENDS THAT THOSE REQUIREMENTS BE REVIEWED AND CONSULTED PRIOR TO THE INSTALLATION OF ADS' PRODUCTS. ADS HAS NOT AUTHORIZED, AND IT BEARS NO RESPONSIBILITY FOR, ANY REVISIONS, ALTERATIONS OR DEVIATIONS FROM THIS STANDARD DETAIL.



TYPICAL RISER AND CLEANOUT DETAILS
NOT TO SCALE

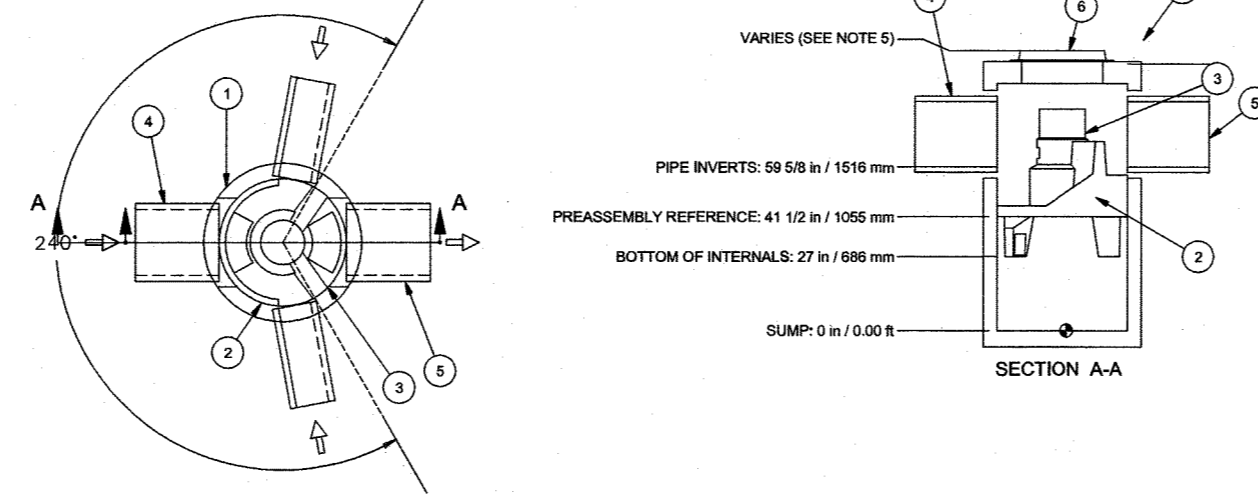


TYPICAL TRENCH SECTION FOR STORM DRAIN
NOT TO SCALE

Table 5-2
Classes of Embedment and Backfill Materials

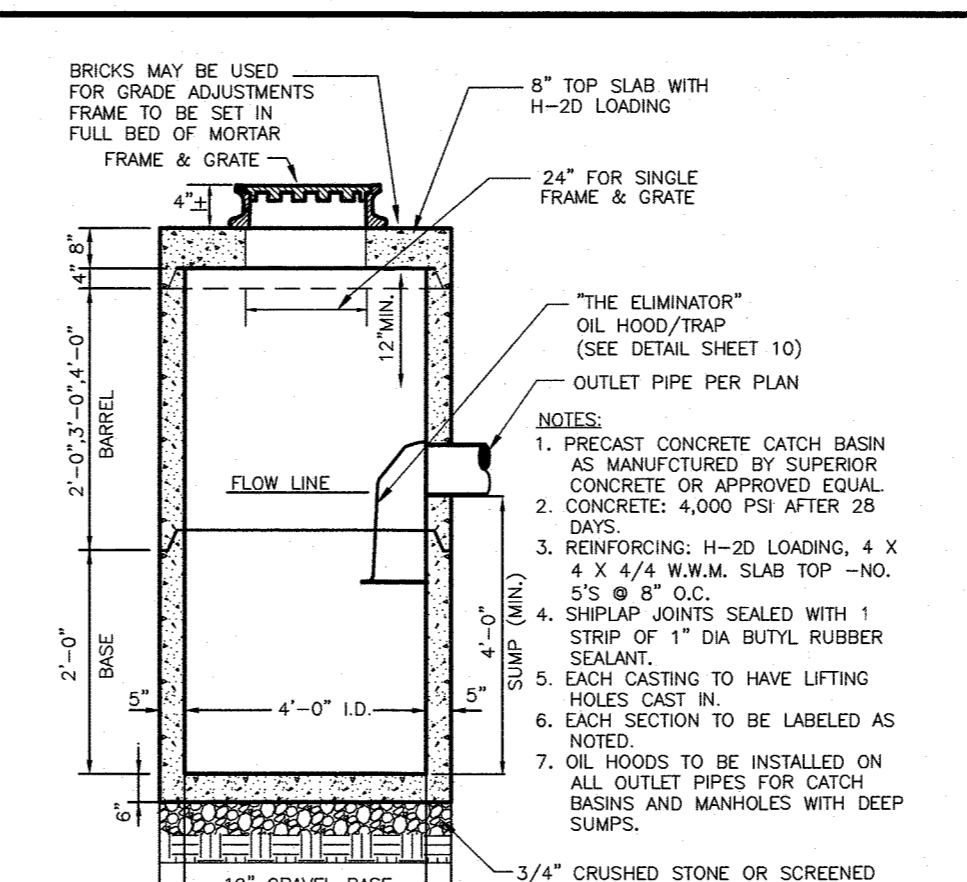
ASTM D2321 Class	Description	ASTM D2321 Description	MATERIAL SOURCE	Compaction Method	Percentage Passing Sieve Size			Coefficients	
					1/2" (12.5mm)	3/8" (9.5mm)	20# (0.85mm)		
1A	Angular crushed stone of hard, crushed granite, crushed slag, large voids with little or no fines	100% 475μ 95% 75μ Non Plastic	5	Dumped to depth	100%	475μ	75μ	N/A	
1B	Angular crushed stone of hard, crushed granite, crushed slag, large voids with little or no fines	100% 475μ 40% 75μ Non Plastic	5	Dumped to depth	100%	475μ	40% 75μ	N/A	
1C	Clean, coarse, graded sand	GW	Well-graded gravel, sand, silt or no fines	100%	475μ	75μ	Non Plastic	$+4$ 1 to 3	
		GP	Finely-graded gravel, sand, silt or no fines	100%	475μ	75μ	Non Plastic	$+4$ 1 to 3	
		SW	Well-graded sand, silt or no fines	100%	475μ	75μ	Non Plastic	$+4$ 1 to 3	
		SP	Finely-graded sand, silt or no fines	100%	475μ	75μ	Non Plastic	$+4$ 1 to 3	
1D	Coarse-grained soils, bedding clean to better	GM	Gravel and gravelly soils which are non-plastic and contain less than 5% fines	N/A	100%	Varies	0% to 12%	Non Plastic	Same as for GW, GP, SW and SP
		GC	Clayey gravel, gravel-sand mixtures	General & sand with 100% fines	100%	475μ	75μ	Non Plastic	$+4$ 1 to 3
		GC	Clayey gravel, gravel-sand mixtures	General & sand with 100% fines	100%	475μ	75μ	Non Plastic	$+4$ 1 to 3
		GC	Clayey gravel, gravel-sand mixtures	General & sand with 100% fines	100%	475μ	75μ	Non Plastic	$+4$ 1 to 3
1E	Coarse-grained soils with fines	GM	Gravelly sand, gravel-sand mixtures	General & sand with 100% fines	100%	475μ	75μ	Non Plastic	$+4$ 1 to 3
		GC	Clayey gravel, gravel-sand mixtures	General & sand with 100% fines	100%	475μ	75μ	Non Plastic	$+4$ 1 to 3
		GC	Clayey gravel, gravel-sand mixtures	General & sand with 100% fines	100%	475μ	75μ	Non Plastic	$+4$ 1 to 3
		GC	Clayey gravel, gravel-sand mixtures	General & sand with 100% fines	100%	475μ	75μ	Non Plastic	$+4$ 1 to 3
1F	Inorganic fine-grained soils	ML	Moisture ratio and clay content less than 4%, plasticity index less than 4	N/A	100%	100%	75μ	Non Plastic	$+4$ 1 to 3
		CL	Moisture ratio and clay content less than 4%, plasticity index 4 to 17	N/A	100%	100%	75μ	Non Plastic	$+4$ 1 to 3
		MH	Moisture ratio and clay content less than 4%, plasticity index 17 to 30	N/A	100%	100%	75μ	Non Plastic	$+4$ 1 to 3
		CH	Moisture ratio and clay content less than 4%, plasticity index 30 to 40	N/A	100%	100%	75μ	Non Plastic	$+4$ 1 to 3
1G	Organic fine-grained soils	OL	Organic soils and organic silts with less than 12% organic carbon	N/A	100%	100%	75μ	Non Plastic	$+4$ 1 to 3
		OH	Organic soils and organic silts with 12% to 20% organic carbon	N/A	100%	100%	75μ	Non Plastic	$+4$ 1 to 3
1H	Organic soils of high organic content	MH	Moisture ratio and clay content less than 4%, plasticity index 17 to 30	N/A	100%	100%	75μ	Non Plastic	$+4$ 1 to 3
		CH	Moisture ratio and clay content less than 4%, plasticity index 30 to 40	N/A	100%	100%	75μ	Non Plastic	$+4$ 1 to 3
1I	Organic soils of high organic content	MH	Moisture ratio and clay content less than 4%, plasticity index 17 to 30	N/A	100%	100%	75μ	Non Plastic	$+4$ 1 to 3
		CH	Moisture ratio and clay content less than 4%, plasticity index 30 to 40	N/A	100%	100%	75μ	Non Plastic	$+4$ 1 to 3

- Notes:**
- 1) Refer to ASTM D2321 for more complete soil descriptions.
 - 2) Class 1A 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) NR 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.

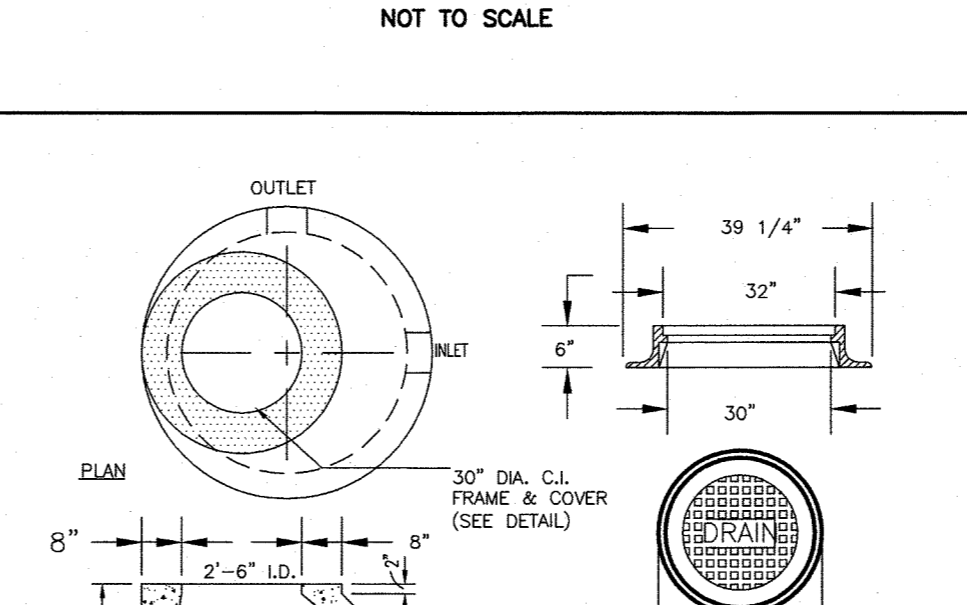


"FIRST DEFENSE" UNIT DETAIL - FD-4HC
(OR APPROVED EQUAL)
NOT TO SCALE

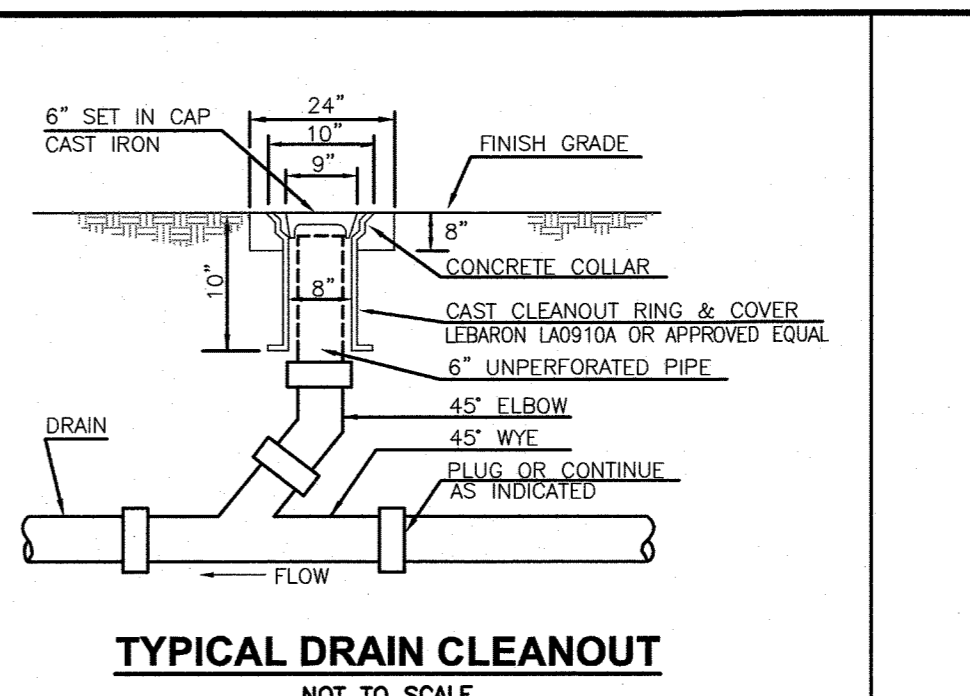
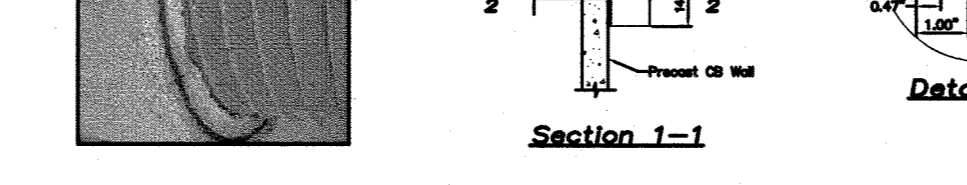
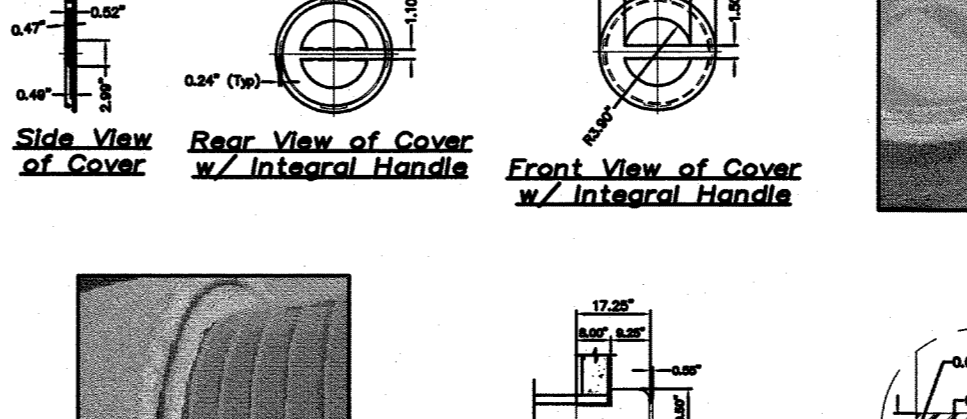
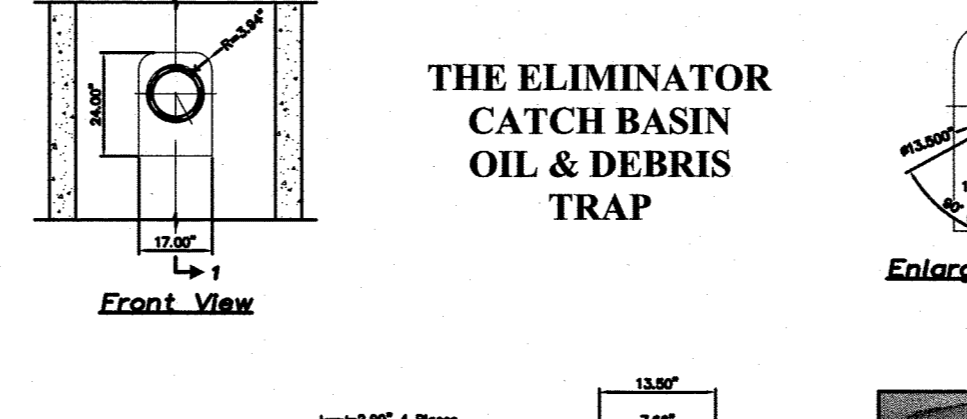
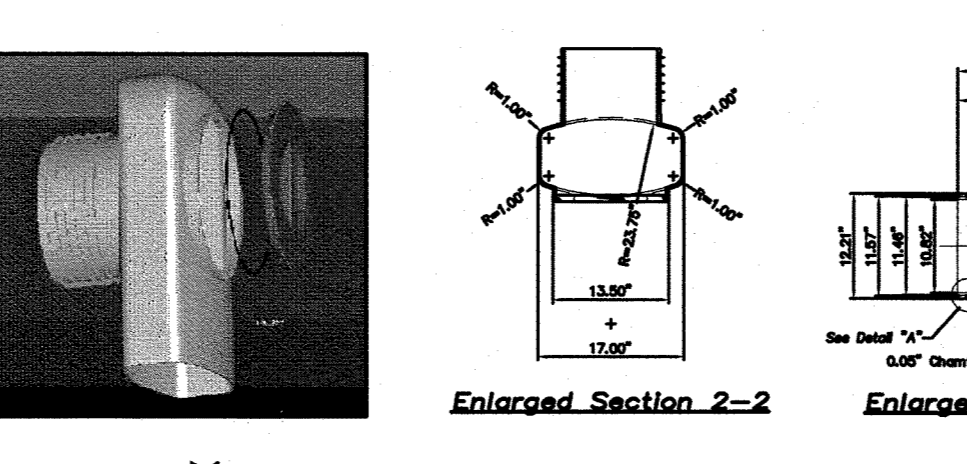
NOTE: CONTRACTOR SHOULD CONFIRM SYSTEM PARTS AND OBTAIN SHOP DRAWINGS FROM MANUFACTURER PRIOR TO CONSTRUCTION.



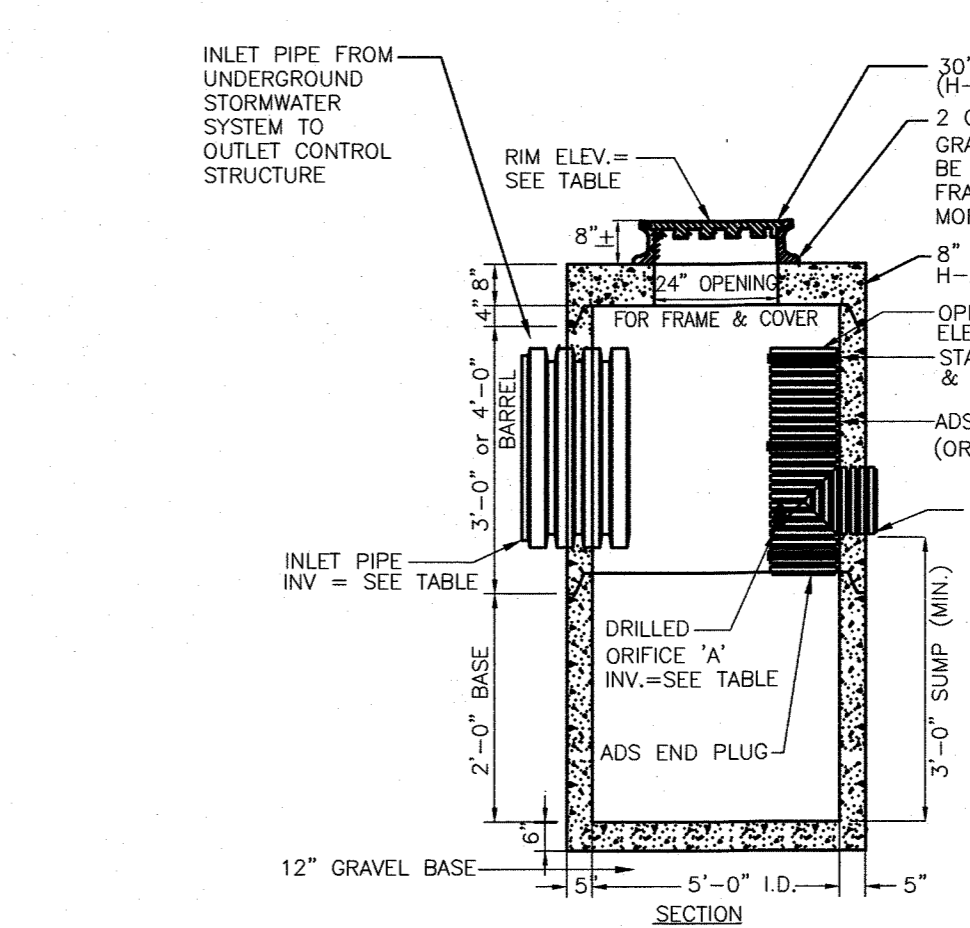
PRECAST CONCRETE CATCH BASIN WITH HOOD
NOT TO SCALE



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



TYPICAL DRAIN CLEANOUT
NOT TO SCALE

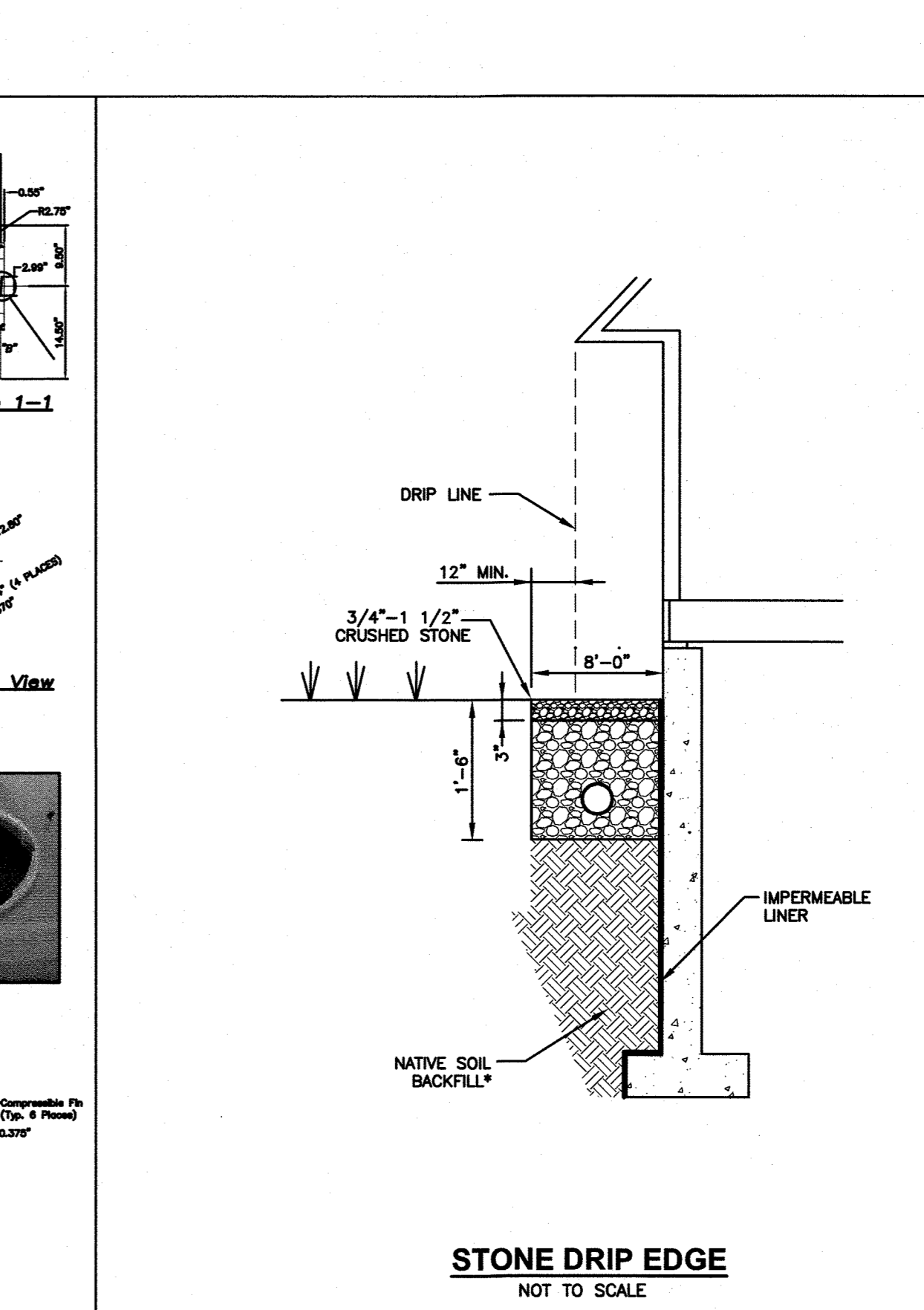


PRECAST CONCRETE OUTLET CONTROL STRUCTURE (OCS)
NOT TO SCALE

OUTLET CONTROL STRUCTURE TABLE

OCs	RIM	ORIFICE	SIZE (IN.)	ELEV.	INV. IN (SIZE)	INV. IN (ELEV)	INV. OUT (SIZE)	INV. OUT (ELEV)
#1	305.30	A	6" DIA. x 2	299.00	24"	299.00	12"	299.00
		B	12" DIA.	302.00				

STONE DRIP EDGE
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
SUMMIT DISTRIBUTING, LLC
240 MECHANIC STREET
LEBANON, NH 03766

PROPOSED REDEVELOPMENT
ASSESSORS MAP 3 LOT WM1436
1436 WEST MAIN STREET
RICHMOND, VERMONT

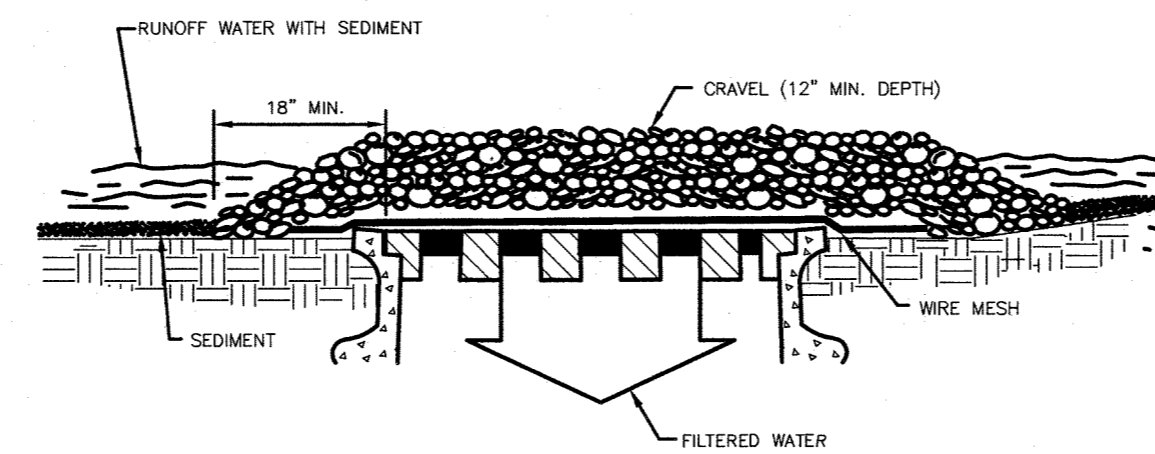
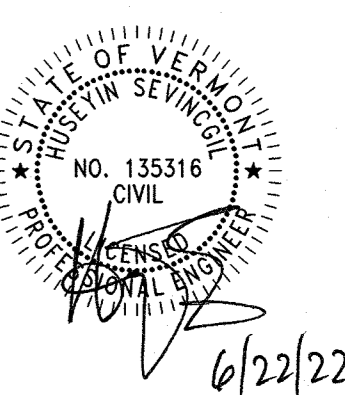
STATE OF VERMONT
REGISTERED PROFESSIONAL ENGINEER
NO. 135316
CIVIL
6/22/22

REVISIONS

NO.	REVISION	DATE

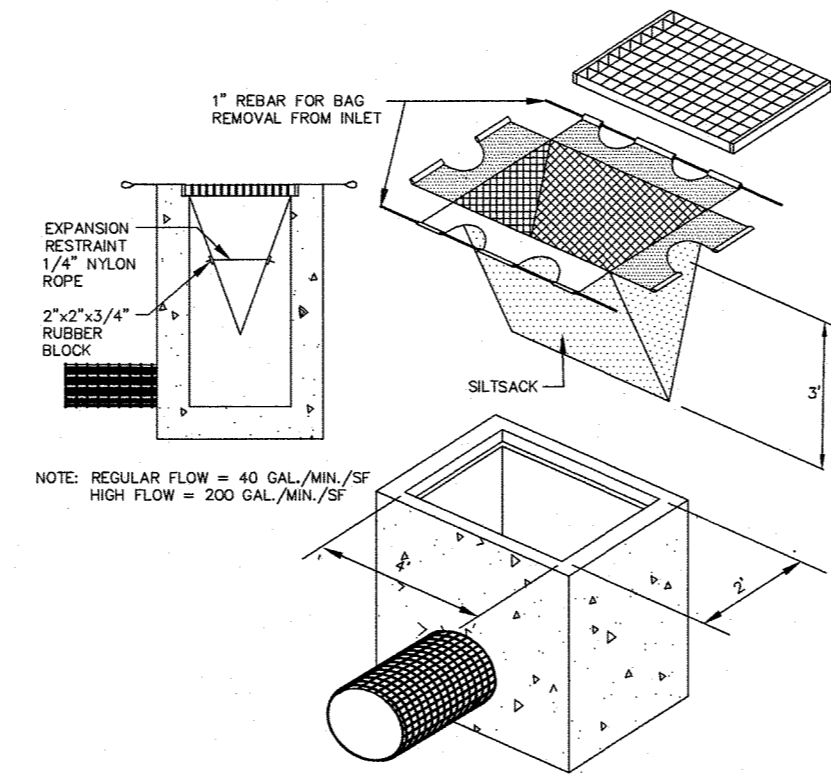
JUNE 22, 2022
DRAWN/DESIGN BY: SJB
CHECKED BY: HS

DETAIL SHEET
SCALE: 1"=20'
NEX-465419
11 OF 12

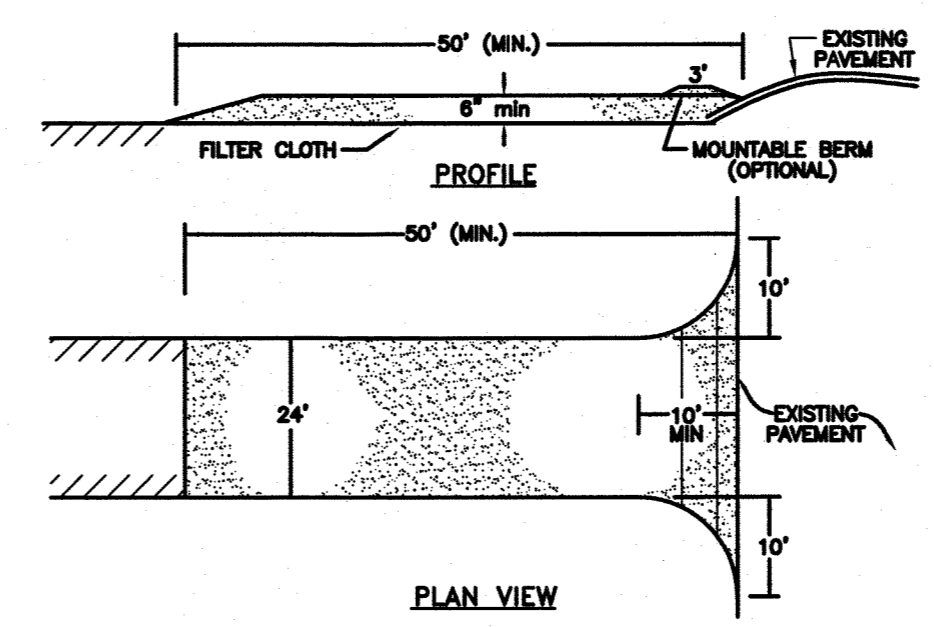


- CONSTRUCTION SEQUENCE:**
- 1) A WIRE MESH SHOULD BE PLACED OVER THE DROP INLET OR CURB OPENING SO THAT THE ENTIRE OPENING AND A MINIMUM OF 12 INCHES AROUND THE OPENING ARE COVERED BY THE MESH. THE MESH MAY BE ORDINARY HARDWARE CLOTH OR WIRE MESH WITH OPENINGS UP TO 1/2 INCH.
 - 2) THE WIRE MESH SHOULD BE COVERED WITH CLEAN COARSE AGGREGATE SUCH AS SEWER STONE FOR A MINIMUM DEPTH OF 12 INCHES.
 - 3) THE COARSE AGGREGATE SHOULD EXTEND AT LEAST 18 INCHES ON ALL SIDES OF THE DRAIN OPENING.
- MAINTENANCE:** ALL STRUCTURES SHOULD BE INSPECTED AFTER EVERY RAIN STORM AND REPAIRS MADE AS NECESSARY. SEDIMENT SHOULD BE REMOVED FROM THE TRAPPING DEVICES AFTER THE SEDIMENT HAS REACHED A MAXIMUM OF ONE HALF THE DEPTH OF THE TRAP. THE SEDIMENT SHOULD BE DISPOSED OF IN A SUITABLE AREA AND PROTECTED FROM EROSION BY EITHER STRUCTURAL OR VEGETATIVE MEANS. THE TEMPORARY TRAPS SHOULD BE REMOVED AND THE AREA REPAIRED AS SOON AS THE CONTRIBUTING DRAINAGE AREA TO THE INLET HAS BEEN COMPLETELY STABILIZED.

ON-SITE INLET PROTECTION DETAIL
 NOT TO SCALE

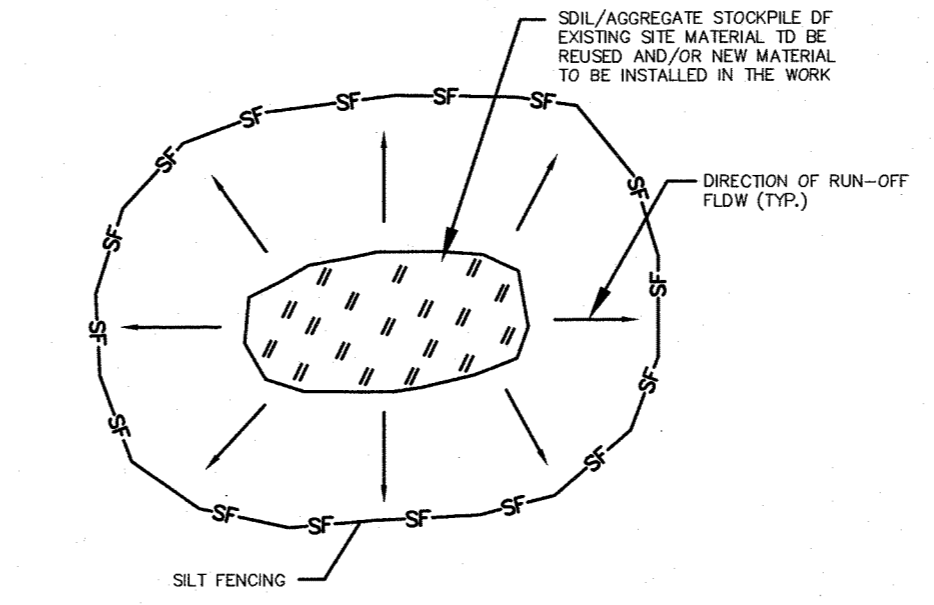


SILTSACK DETAIL
 NOT TO SCALE



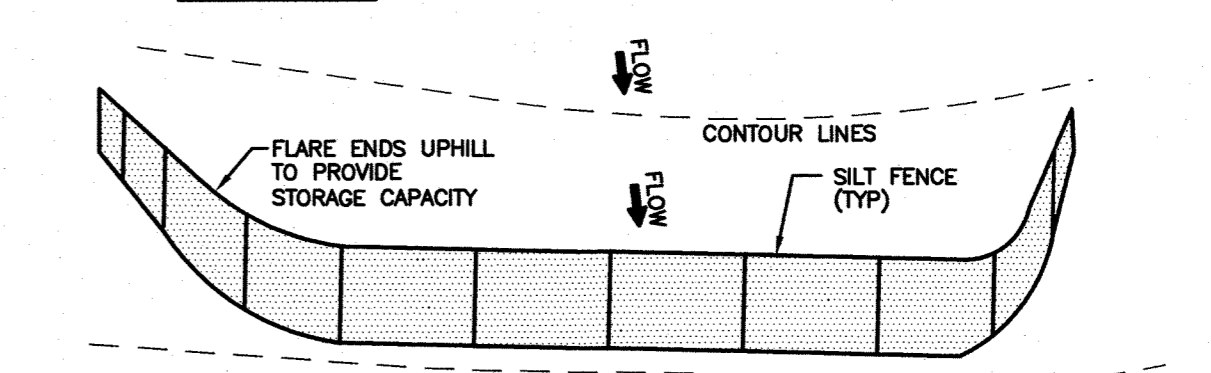
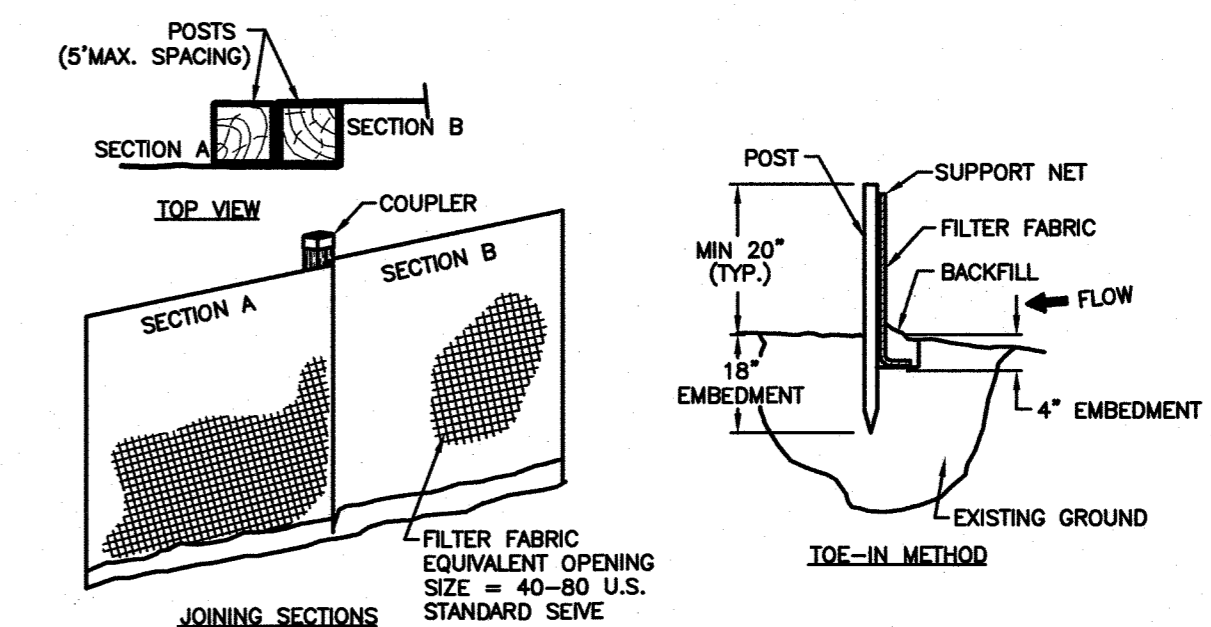
1. STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE 1 TO 2 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 50 FEET, EXCEPT FOR A SINGLE RESIDENTIAL LOT WHERE A 30 FOOT MINIMUM WOULD APPLY.
3. THE THICKNESS OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES.
4. THE WIDTH OF THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE ENTRANCE WHERE INGRESS OCCURS OR 10 FEET, WHICHEVER IS GREATER.
5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE. FILTER CLOTH IS NOT REQUIRED FOR A SINGLE FAMILY RESIDENCE LOT.
6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS INFRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
7. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.
8. WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

STABILIZED CONSTRUCTION ENTRANCE DETAIL
 NOT TO SCALE



- 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.

MATERIALS STOCKPILE DETAIL
 NOT TO SCALE

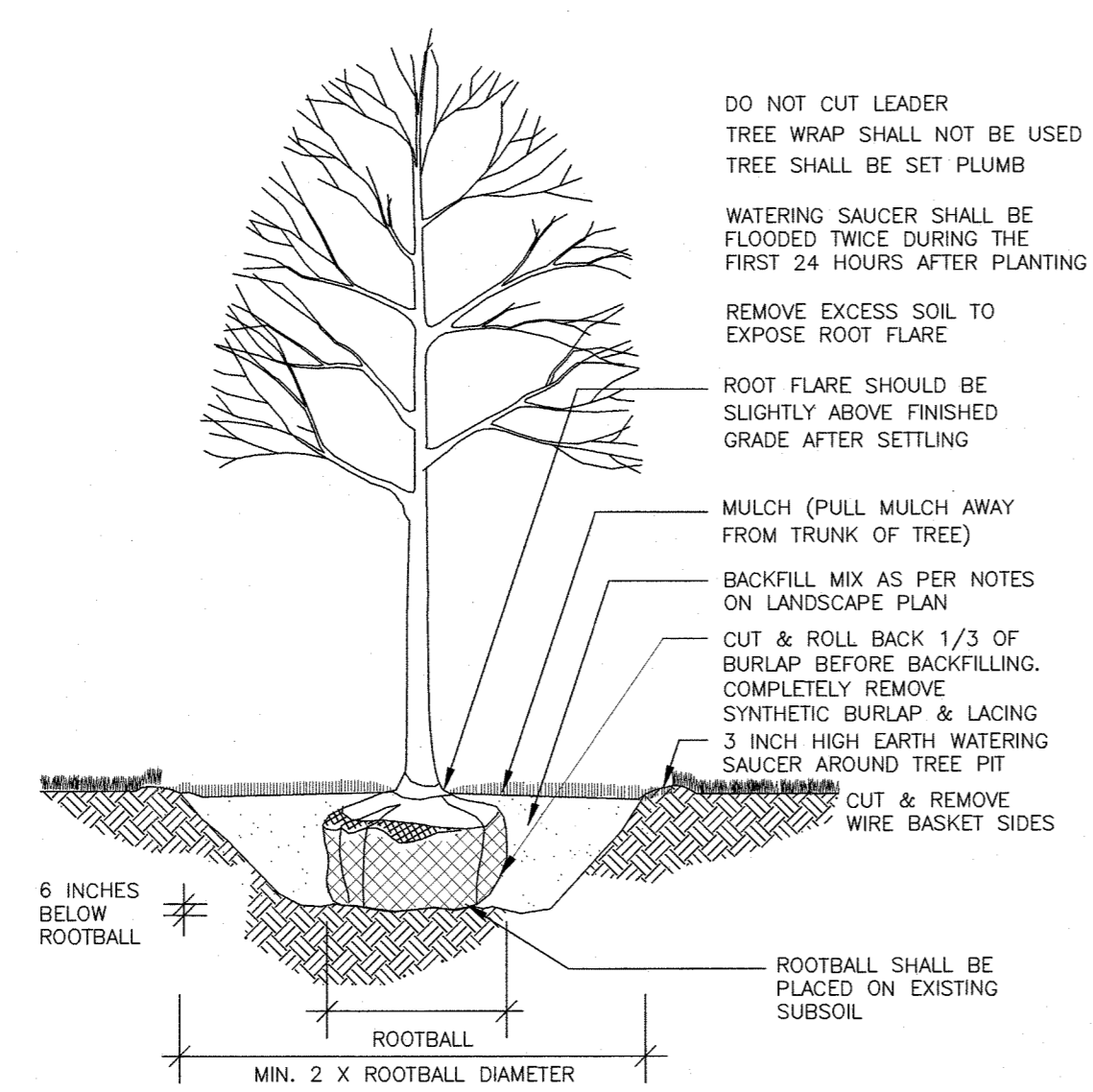


- CRITERIA FOR SILT FENCES:**
- 1) SILT FENCE FILTER CLOTH: THE FABRIC FOR THE SILT FENCE SHALL MEET THE FOLLOWING SPECIFICATIONS:
- | FABRIC PROPERTIES: | VALUES | MINIMUM ACCEPTABLE | TEST METHOD: |
|-------------------------------|--------|--------------------|--------------|
| DRAB TENSILE STRENGTH (lb/in) | 90 | | ASTM D1682 |
| ELONGATION AT FAILURE (%) | 50 | | ASTM D1682 |
| MULLEN BURST STRENGTH (PSI) | 190 | | ASTM D3786 |
| PUNCTURE STRENGTH (lb/in) | 40 | | ASTM D751 |
| EQUVALENT 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 1 DR 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.

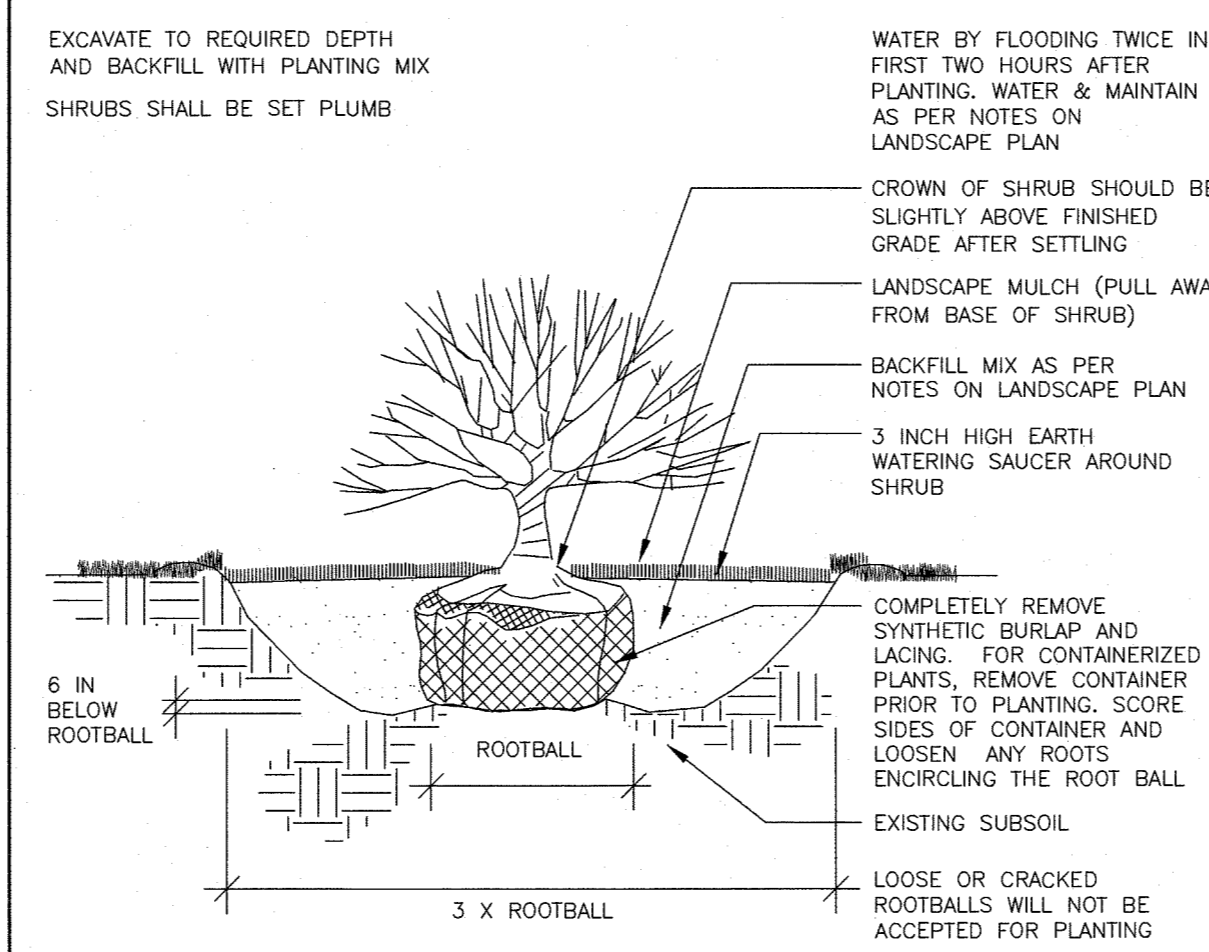
- MAINTENANCE:**
- 1) SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
 - 2) IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, 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.

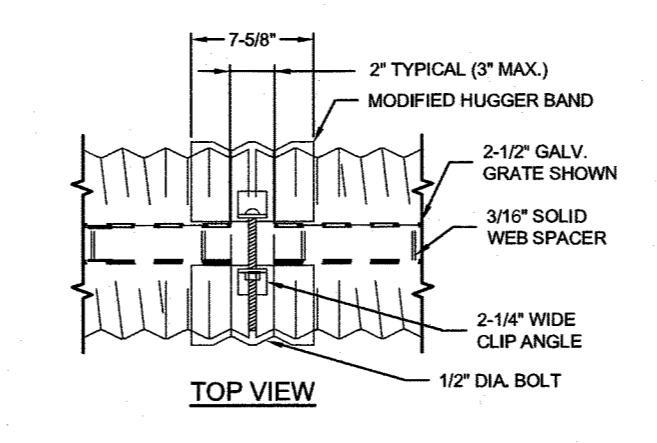
SEDIMENT CONTROL FENCE
 NOT TO SCALE



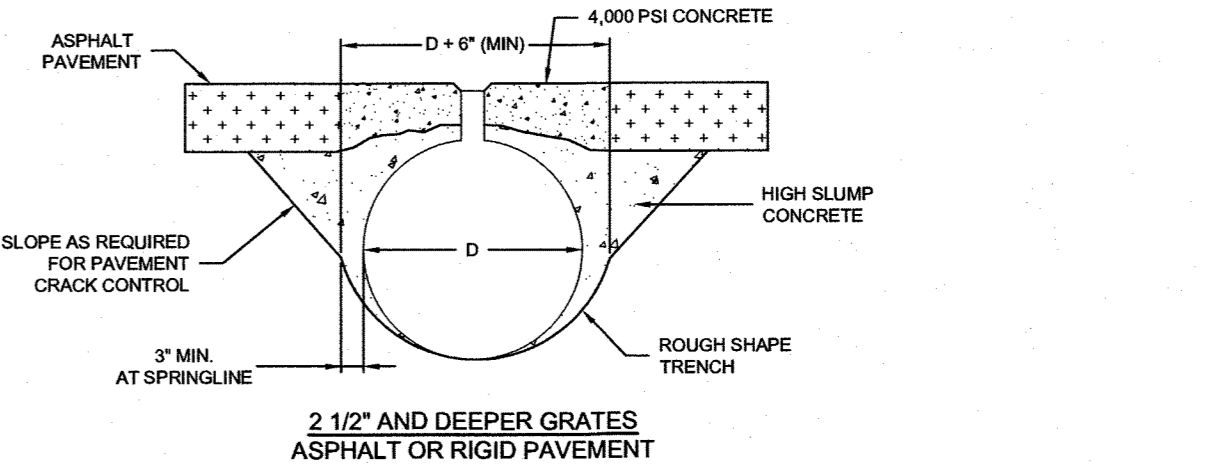
TYPICAL TREE PLANTING
 NOT TO SCALE



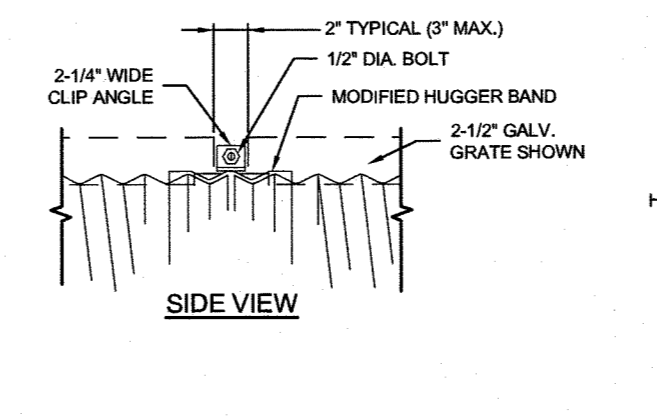
TYPICAL SHRUB PLANTING
 NOT TO SCALE



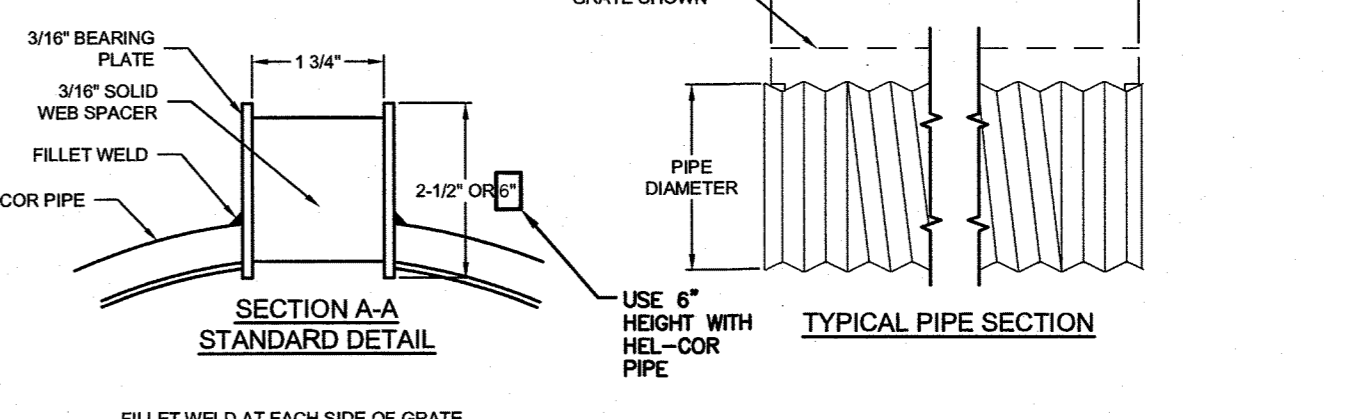
TOP VIEW



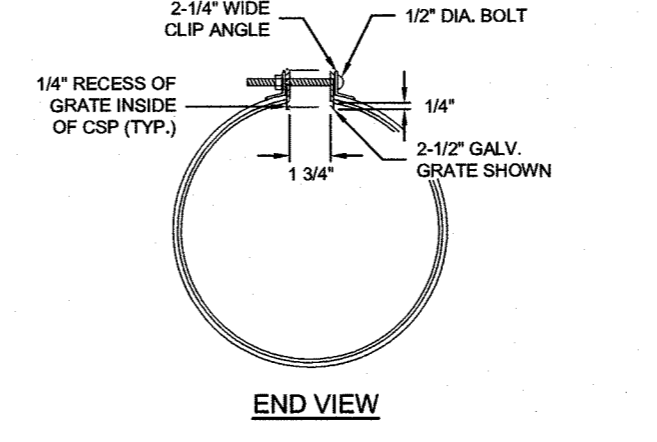
SECTION A-A STANDARD DETAIL



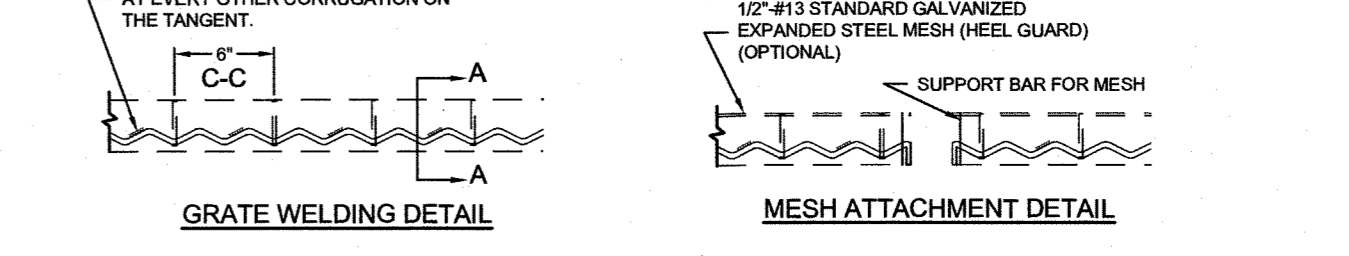
SIDE VIEW



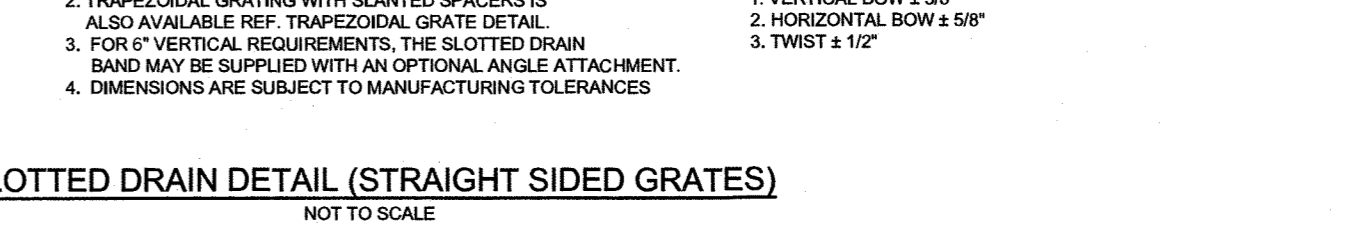
TYPICAL PIPE SECTION



END VIEW



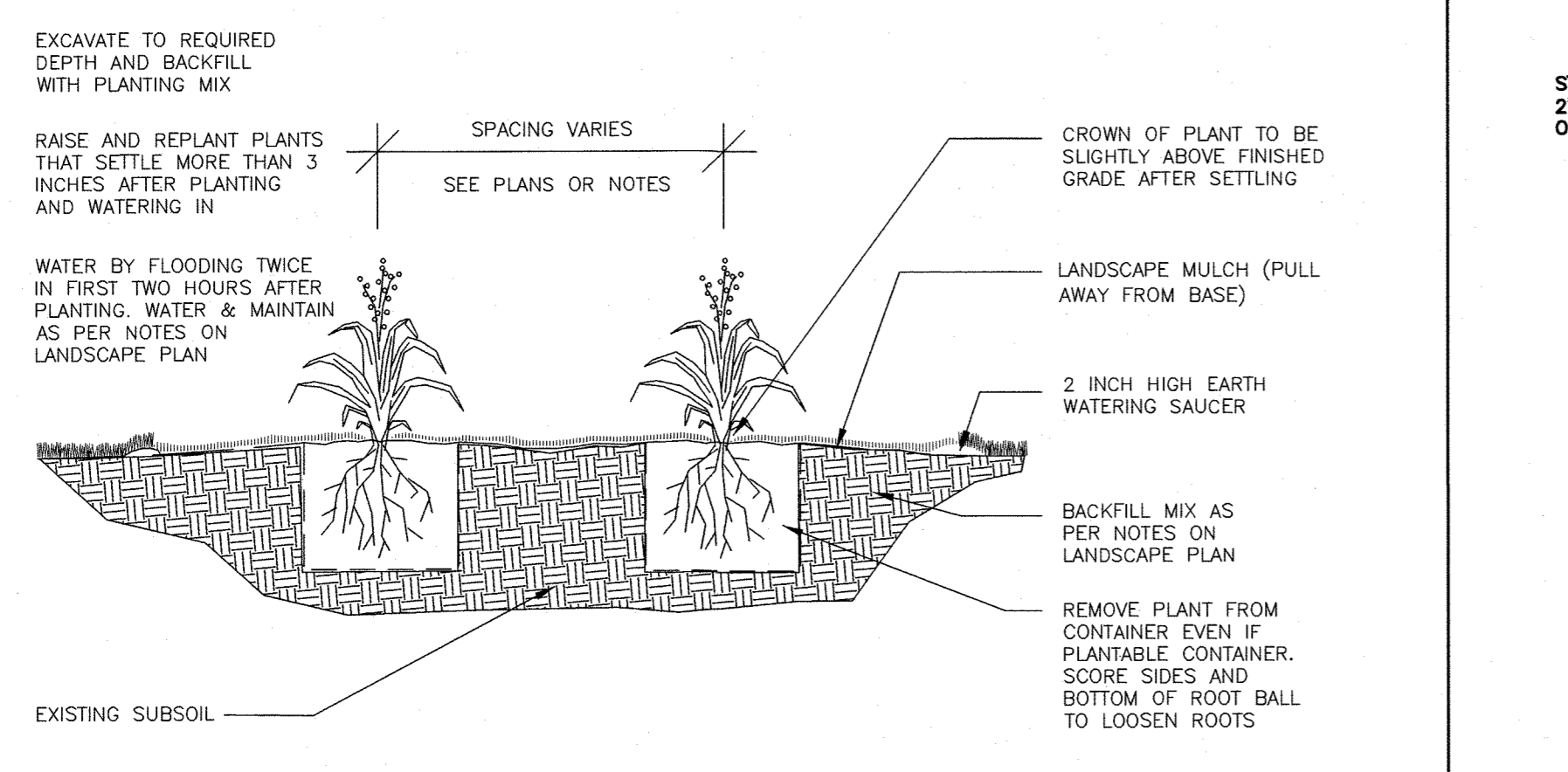
GRATE WELDING DETAIL



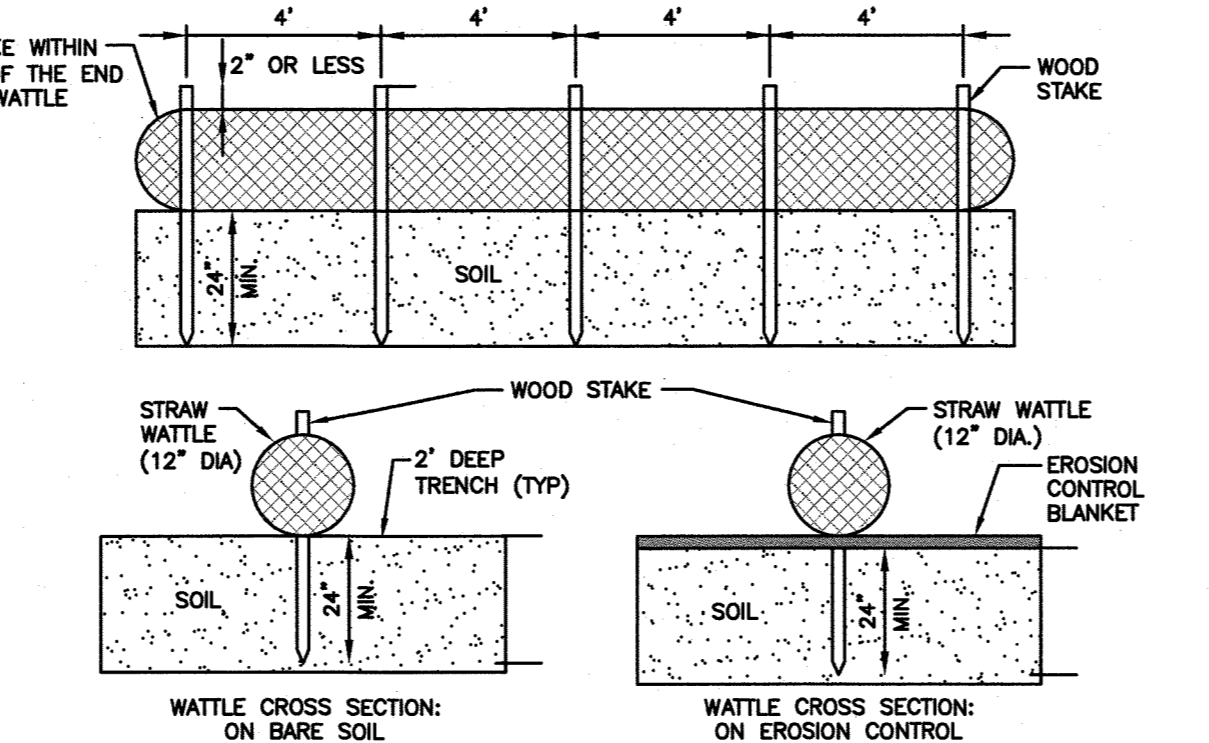
MESH ATTACHMENT DETAIL

- SLOTTED DRAIN NOTES:**
1. GRATING IS AVAILABLE IN DEPTHS OF 2-1/2" AND 4"
 2. TRAPEZOIDAL GRATING WITH SLANTED SPACERS IS ALSO AVAILABLE. REF. TRAPEZOIDAL GRATE DETAIL.
 3. FOR VERTICAL REQUIREMENTS, THE SLOTTED DRAIN BAND MAY BE SUPPLIED WITH AN OPTIONAL ANGLE ATTACHMENT. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
- MANUFACTURING TOLERANCES:**
1. VERTICAL BOW ± 3/8"
 2. HORIZONTAL BOW ± 5/8"
 3. TWIST ± 1/2"

SLOTTED DRAIN DETAIL (STRAIGHT SIDED GRATES)
 NOT TO SCALE



TYPICAL PERENNIAL PLANTING
 NOT TO SCALE



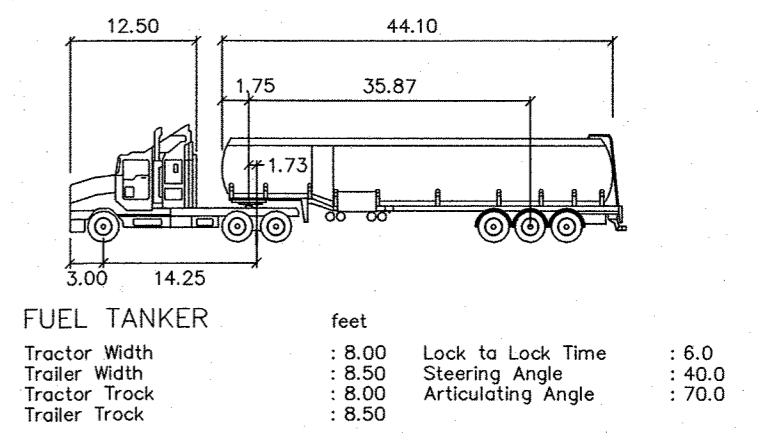
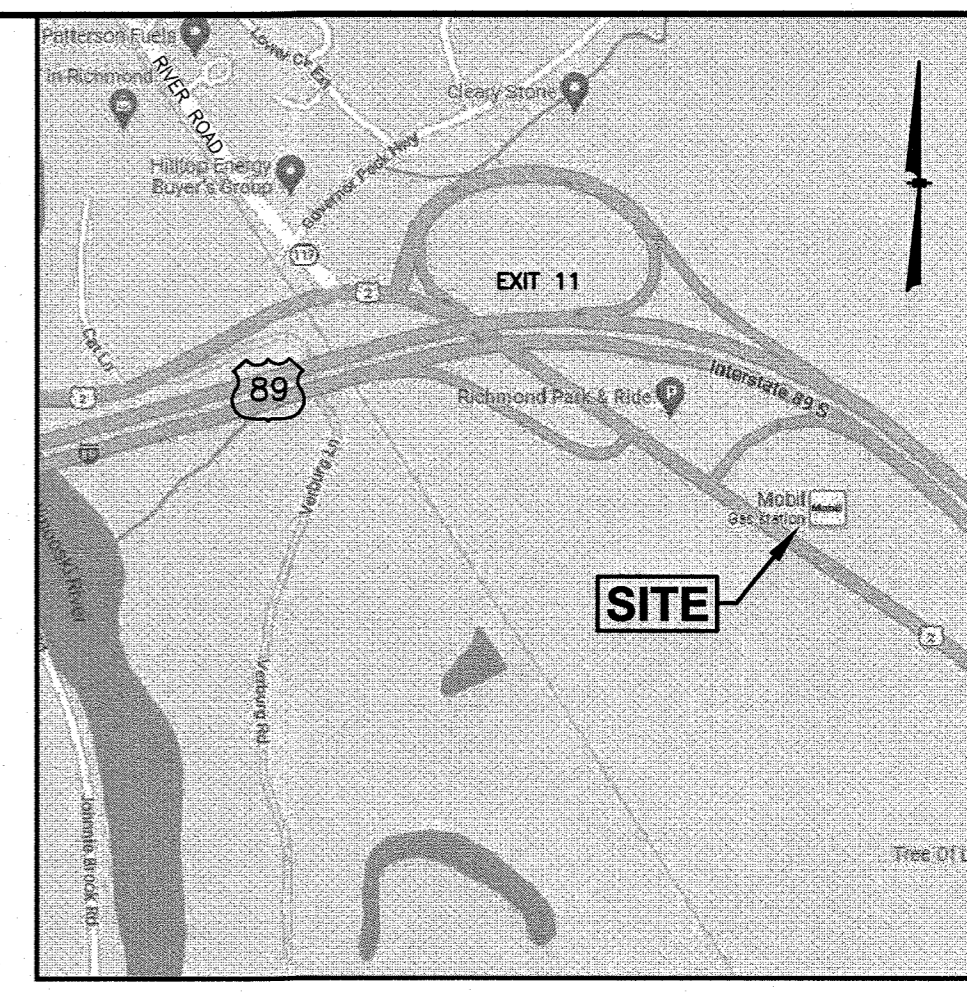
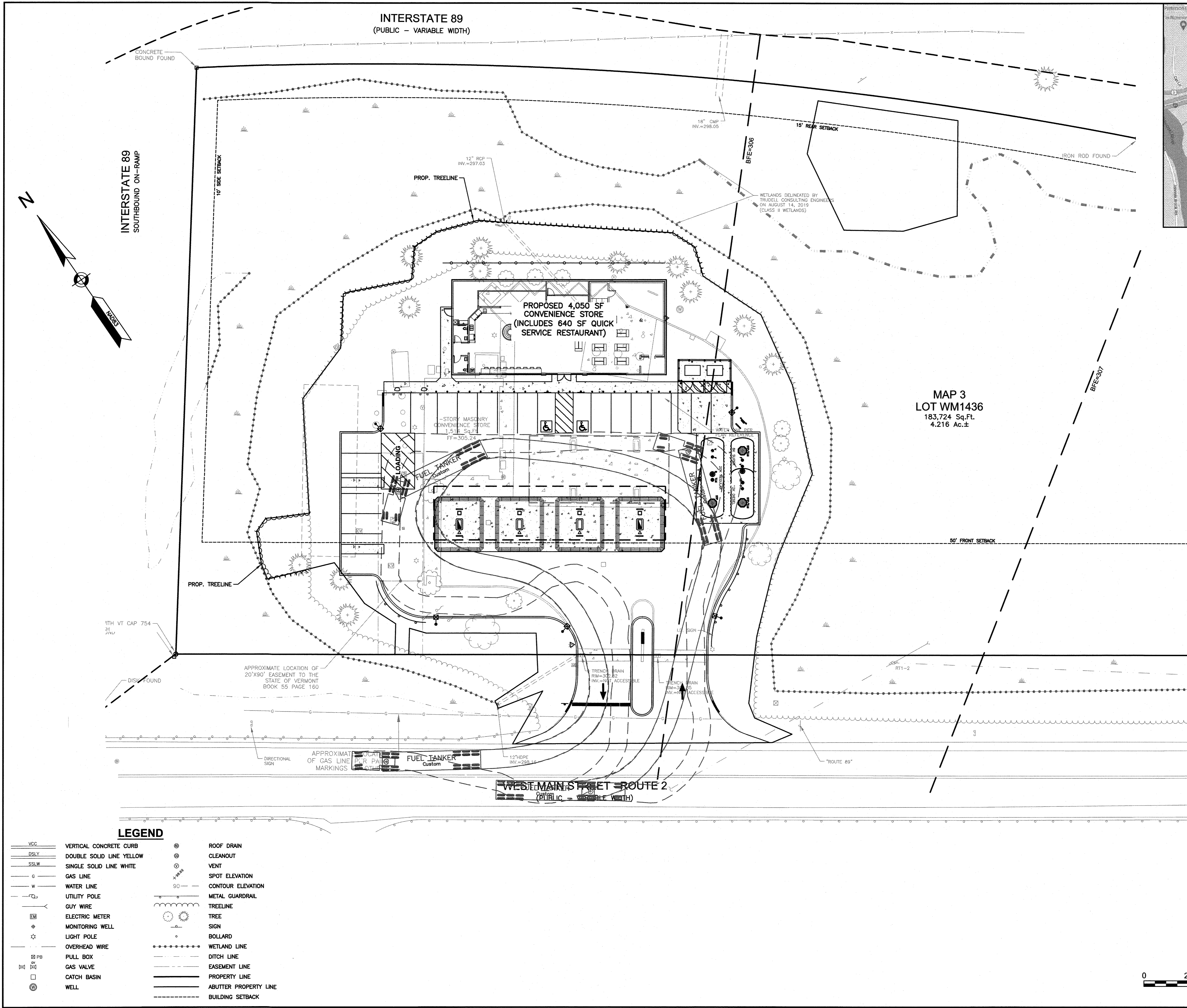
STRAW WATTLE DETAIL
 NOT TO SCALE

- NOTES:**
1. ENDS OF WATTLES SHALL BE TURNED SLIGHTLY UP.
 2. RECOMMEND STAKES ARE 1 1/8" WIDE X 1 1/8" THICK X 30" LONG. STAKES SHALL NOT EXCEED ABOVE THE STRAW WATTLE MORE THAN 2".

REVISIONS		
NO.	REVISION	DATE

JUNE 22, 2022	
DRAWN/DESIGN BY	CHECKED BY
SJB	HS
DETAIL SHEET	
SCALE:	1"=20'
NEX-465419	
12 OF 12	

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GPI Engineering Design Planning Construction Management
203.892.0720 GPINET.COM
Greenman-Pedersen, Inc.
44 Stiles Road, Suite One
Salem, NH 03079

PREPARED FOR
SUMMIT DISTRIBUTING, LLC
240 MECHANIC STREET
LEBANON, NH 03766

PROPOSED REDEVELOPMENT
ASSESSORS MAP 3 LOT WM1436
1436 WEST MAIN STREET
RICHMOND, VERMONT

REVISIONS		
NO.	REVISION	DATE

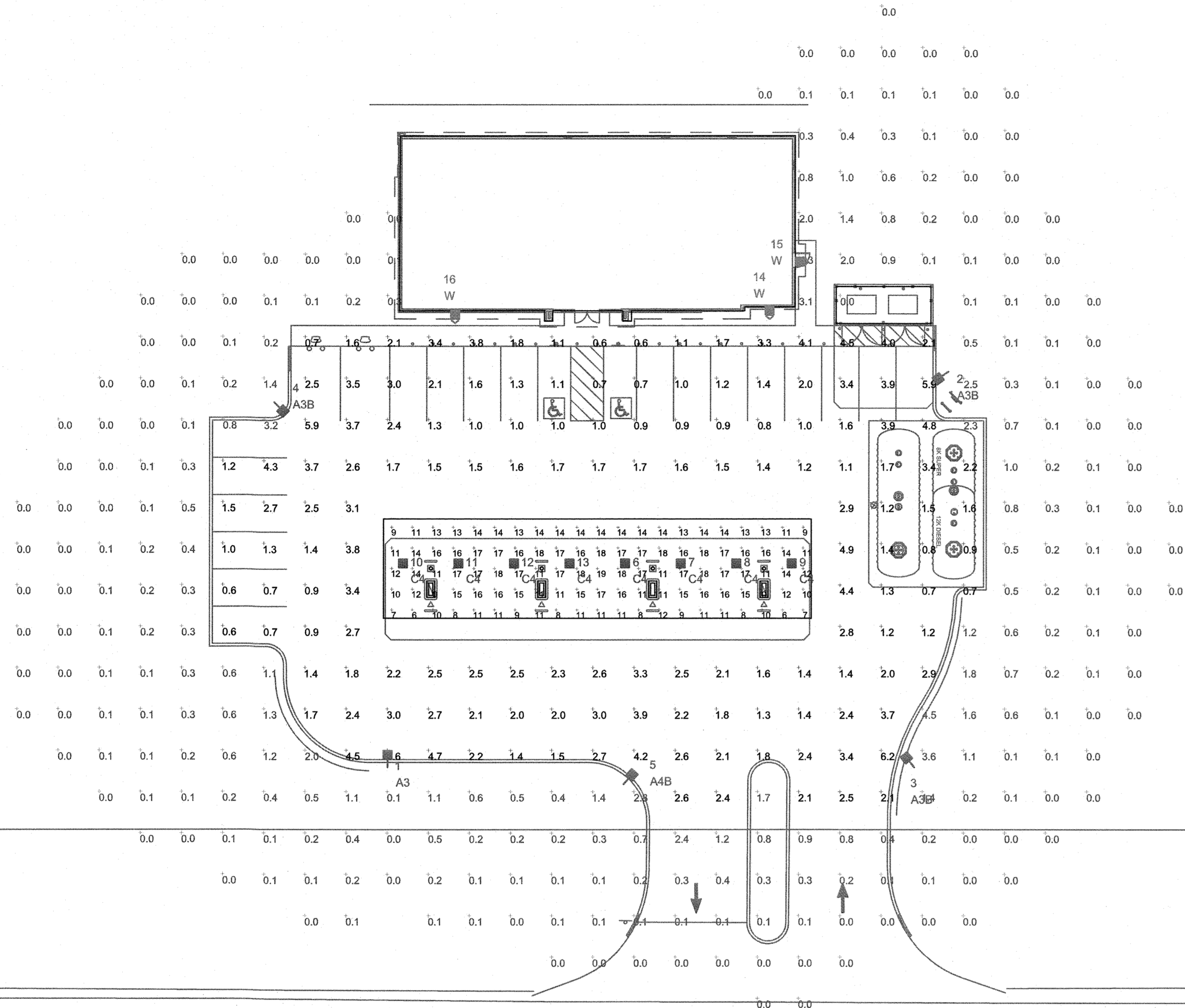
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DRAWN/DESIGN BY SJB	CHECKED BY HS

TRUCK TURN PLAN

SCALE: 1" = 20'

NEX-465419

1 OF 1



ILLUMINATION LEVELS ARE THE RESULT OF CONDITIONS OR REQUESTS BY OTHERS. RED LEONARD ASSOCIATES IS NOT RESPONSIBLE FOR INCIDENTS CAUSED BY INSUFFICIENT LIGHTING AND DOES NOT RECOMMEND THESE LEVELS FOR SECURITY AND SAFETY REASONS.

WEST MAIN STREET - ROUTE 2

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

LUMINAIRE LOCATION SUMMARY		
LUM NO.	LABEL	MTG. HT.
1	A3	15
2	A3B	15
3	A3B	15
4	A3B	15
5	A4B	15
6	C4	15
7	C4	15
8	C4	15
9	C4	15
10	C4	15
11	C4	15
12	C4	15
13	C4	15
14	W	12
15	W	12
16	W	12

NOTE:
AREA LIGHTS ON NEW 13 FT. POLES MOUNTED ON 2 FT. CONCRETE BASES

FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES					
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN
PAVED AREA	2.20	6.6	0.6	3.67	11.00
UNDEFINED	0.35	4.5	0.0	N.A.	N.A.
UNDER CANOPY	13.21	19	0	N.A.	N.A.

LUMINAIRE SCHEDULE											
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LATF	DIMMING LUMEN MULTIPLIER	LLF	ARR. WATTS	TOTAL WATTS	MANUFACTURER	DESCRIPTION
1	1	A3	Single	6150	1.040	1.000	1.040	37	37	Cree Lighting	OSQ-ML-B-XX-XX + OSQM-B-11L-57K7-3M-UL-NM-XX-Q1
3	3	A3B	SINGLE	9196	1.040	0.610	0.634	53	159	Cree Inc	OSQ-XX + OSQ-A-NM-3ME-B-57K-UL-XX-Q3 + OSQ-BLSMF
1	1	A4B	Single	4720	1.040	1.000	1.040	37	37	Cree Inc	OSQ-ML-B-XX-XX + OSQM-B-11L-57K7-4M-UL-NM-XX-Q1 + OSQ-BLSMF
8	8	C4	SINGLE	10912	1.040	0.600	0.624	51.51	412.08	CREE, INC.	CAN-304-SL-RS-06-E-UL-XX-525-57K-DIM (SET @ 4.5V)
3	3	W	SINGLE	2490	1.040	1.000	1.040	19	57	Cree Inc	XSPW-B-WM-3ME-2L-57K-UL-XX

REDLEONARD ASSOCIATES
1340 Kemper Meadow Dr, Forest Park, OH 45240
513-674-9500 | redleonard.com

REV.	BY	DATE	DESCRIPTION
R1	FNE	7/22/2020	REVISED PER CITY REQUIREMENTS
R2	FNE	8/14/22	REVISED PER UPDATED SITE PLAN
R3	FNE	8/21/22	REVISED PER UPDATED SITE PLAN

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SCALE: 1" = 20'
DWG SIZE: D
LAYOUT BY: FNE
DATE: 4/16/2020

PROJECT NAME: **SUMMIT DISTRIBUTING RICHMOND, VT**
DRAWING NUMBER: **RL-6676-S1-R3**

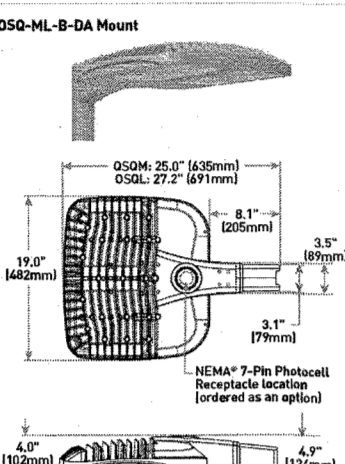
QTY	LABEL	DESCRIPTION
1	A3	OSQ-ML-B-XX-XX + OSQM-B-1L-57K7-3M-UL-NM-XX-Q1
3	A3B	OSQ-XX + OSQ-A-NM-3ME-B-57K-UL-XX-Q3 + OSQ-BLSMF
1	A4B	OSQ-ML-B-XX-XX + OSQM-B-1L-57K7-4M-UL-NM-XX-Q1 + OSQ-BLSMF

ADDITIONAL FIXTURE INFO

OSQ Series DSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite™ Technology – Medium & Large

Product Description
The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management and modern, sleek aesthetics. Built-in, the luminaire is rugged and suitable for outdoor use. Available with LED driver components. Versatile mounting configurations offer simple installation. The rugged design provides excellent load requirements and flexible mounting options. The luminaire features a wide range of beam angles and is suitable for HID applications up to 300W. The LED luminaire package is a suitable upgrade for HID applications up to 300W. The OSQ luminaire package is a suitable upgrade for HID applications up to 300W.

Performance Summary
Cree TrueWhite™ Technology on 800K luminaires
Non-flicker Power Factor > 0.95
Assembled in the USA by Cree Lighting from US and imported parts
Initial Delivered Lumens: 1200 - 12000
Energy Up to 171 LM/W
CRI: 90-95 (90, 93, 95, 97, 98, 99, 100)
CCT: 3000K, 4000K, 5000K, 5700K
Lifetime Warranty: 10 years on luminaires, 30 years on Cree TrueWhite™ LEDs, up to 5 years for Cree TrueWhite™ LEDs on 5000K and 5700K CCT luminaires



Ordering Information
Full ordering information is contained in our complete catalog that can be viewed online at www.cree.com. Please refer to the Cree TrueWhite™ LED Product Catalog for detailed ordering information.
Mount luminaire must be ordered separately

QTY	LABEL	DESCRIPTION
1	A3	OSQ-ML-B-XX-XX + OSQM-B-1L-57K7-3M-UL-NM-XX-Q1
3	A3B	OSQ-XX + OSQ-A-NM-3ME-B-57K-UL-XX-Q3 + OSQ-BLSMF
1	A4B	OSQ-ML-B-XX-XX + OSQM-B-1L-57K7-4M-UL-NM-XX-Q1 + OSQ-BLSMF

CREE LIGHTING
US: 800.451.4800
Canada: 905.872.4134
www.cree.com

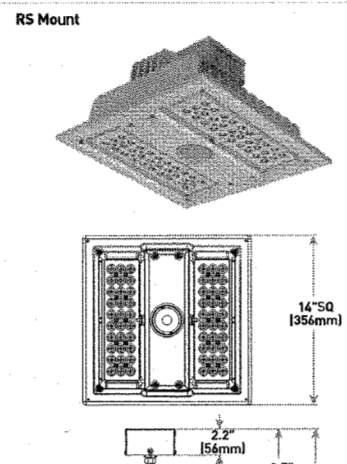
QTY	LABEL	DESCRIPTION
8	C4	CAN-304-SL-RS-06-E-UL-XX-525-K7-DIM (SET @ 4.5V)

ADDITIONAL FIXTURE INFO

304 Series™ LED Recessed Canopy Luminaire

Product Description
Luminaire housing is constructed from rugged die cast aluminum components (90% Magnesium) and cast and extruded aluminum components (90% Magnesium). LED driver is mounted in a sealed, weather-resistant center chamber that allows for access from below the luminaire. Luminaire mounts directly to the ceiling and is secured in place with the cast aluminum trim frame. Luminaire housing is provided with factory applied foam padding that provides a lightweight seal between luminaire housing and ceiling deck. Suitable for use in single or double row canopies with 1" x 6" and 2" wide panels. Designed for canopies up to 12'2" square maximum (5'0" x 5'0" max).

Performance Summary
Cree TrueWhite™ Technology on 800K luminaires
Non-flicker Power Factor > 0.95
Assembled in the USA by Cree Lighting from US and imported parts
Initial Delivered Lumens: 1200 - 12000
Energy Up to 171 LM/W
CRI: 90-95 (90, 93, 95, 97, 98, 99, 100)
CCT: 3000K, 4000K, 5000K, 5700K
Lifetime Warranty: 10 years on luminaires, 30 years on Cree TrueWhite™ LEDs, up to 5 years for Cree TrueWhite™ LEDs on 5000K and 5700K CCT luminaires



Ordering Information
Full ordering information is contained in our complete catalog that can be viewed online at www.cree.com. Please refer to the Cree TrueWhite™ LED Product Catalog for detailed ordering information.
Mount luminaire must be ordered separately

QTY	LABEL	DESCRIPTION
8	C4	CAN-304-SL-RS-06-E-UL-XX-525-K7-DIM (SET @ 4.5V)

CREE LIGHTING
US: 800.451.4800
Canada: 905.872.4134
www.cree.com

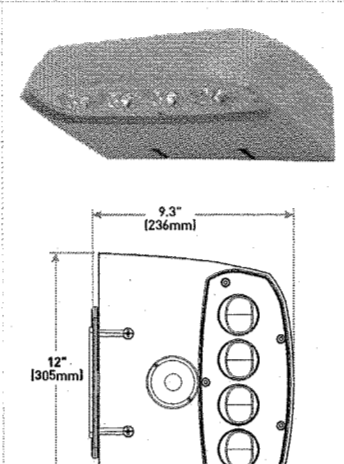
QTY	LABEL	DESCRIPTION
3	W	XSPW-B-WM-3ME-2L-57K-UL-XX-Q1

ADDITIONAL FIXTURE INFO

XSP Series XSPW™ LED Wall Mount Luminaire featuring Cree TrueWhite™ Technology

Product Description
The XSP™ LED wall mount luminaire has a slim, low profile design intended for outdoor wall mounted applications. The rugged lighted aluminum housing and mounting bar are designed for installation over standard single gang 2-Break and dual gang single gang 2-Break. The luminaire allows for easy access to conductors with the top, bottom, side and end. The luminaire is designed specifically for LED technology including Cree TrueWhite™ LED driver components and thermal management. One-Click feature allows industry leading PowerFactor™ luminaire driver systems to be installed easily and securely.

Performance Summary
Cree TrueWhite™ Technology on 800K luminaires
Non-flicker Power Factor > 0.95
Assembled in the USA by Cree Lighting from US and imported parts
Initial Delivered Lumens: 1200 - 12000
Energy Up to 171 LM/W
CRI: 90-95 (90, 93, 95, 97, 98, 99, 100)
CCT: 3000K, 4000K, 5000K, 5700K
Lifetime Warranty: 10 years on luminaires, 30 years on Cree TrueWhite™ LEDs, up to 5 years for Cree TrueWhite™ LEDs on 5000K and 5700K CCT luminaires



Ordering Information
Full ordering information is contained in our complete catalog that can be viewed online at www.cree.com. Please refer to the Cree TrueWhite™ LED Product Catalog for detailed ordering information.
Mount luminaire must be ordered separately

QTY	LABEL	DESCRIPTION
3	W	XSPW-B-WM-3ME-2L-57K-UL-XX-Q1

CREE LIGHTING
US: 800.451.4800
Canada: 905.872.4134
www.cree.com

OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite™ Technology – Medium & Large

Product Specifications
CREE TRUETHWITETM TECHNOLOGY
A revolutionary new generation high quality white light. Cree TrueWhite™ Technology is a patented LED technology that provides a natural, warm white light that is superior to traditional white LEDs. The technology is based on a proprietary LED chip design that produces a light with a high color rendering index (CRI) and a high color temperature (CCT). The technology is also designed to provide a long life and high efficiency.

Model	Power	Beam Angle	Dimensions
OSQ-ML-B-XX-XX	30W	30°	2.1" x 1.1" x 1.1"
OSQ-ML-B-XX-XX	30W	30°	2.1" x 1.1" x 1.1"
OSQ-ML-B-XX-XX	30W	30°	2.1" x 1.1" x 1.1"
OSQ-ML-B-XX-XX	30W	30°	2.1" x 1.1" x 1.1"

CREE LIGHTING
US: 800.451.4800
Canada: 905.872.4134
www.cree.com

304 Series™ LED Recessed Canopy Luminaire

Product Specifications
CREE TRUETHWITETM TECHNOLOGY
A revolutionary new generation high quality white light. Cree TrueWhite™ Technology is a patented LED technology that provides a natural, warm white light that is superior to traditional white LEDs. The technology is based on a proprietary LED chip design that produces a light with a high color rendering index (CRI) and a high color temperature (CCT). The technology is also designed to provide a long life and high efficiency.

Model	Power	Beam Angle	Dimensions
CAN-304-SL-RS-06-E-UL-XX-525-K7-DIM	4.5V	30°	1.1" x 1.1" x 1.1"
CAN-304-SL-RS-06-E-UL-XX-525-K7-DIM	4.5V	30°	1.1" x 1.1" x 1.1"
CAN-304-SL-RS-06-E-UL-XX-525-K7-DIM	4.5V	30°	1.1" x 1.1" x 1.1"
CAN-304-SL-RS-06-E-UL-XX-525-K7-DIM	4.5V	30°	1.1" x 1.1" x 1.1"

CREE LIGHTING
US: 800.451.4800
Canada: 905.872.4134
www.cree.com

XSP™ LED Wall Mount Luminaire

Product Specifications
CREE TRUETHWITETM TECHNOLOGY
A revolutionary new generation high quality white light. Cree TrueWhite™ Technology is a patented LED technology that provides a natural, warm white light that is superior to traditional white LEDs. The technology is based on a proprietary LED chip design that produces a light with a high color rendering index (CRI) and a high color temperature (CCT). The technology is also designed to provide a long life and high efficiency.

Model	Power	Beam Angle	Dimensions
XSPW-B-WM-3ME-2L-57K-UL-XX-Q1	30W	30°	2.1" x 1.1" x 1.1"
XSPW-B-WM-3ME-2L-57K-UL-XX-Q1	30W	30°	2.1" x 1.1" x 1.1"
XSPW-B-WM-3ME-2L-57K-UL-XX-Q1	30W	30°	2.1" x 1.1" x 1.1"
XSPW-B-WM-3ME-2L-57K-UL-XX-Q1	30W	30°	2.1" x 1.1" x 1.1"

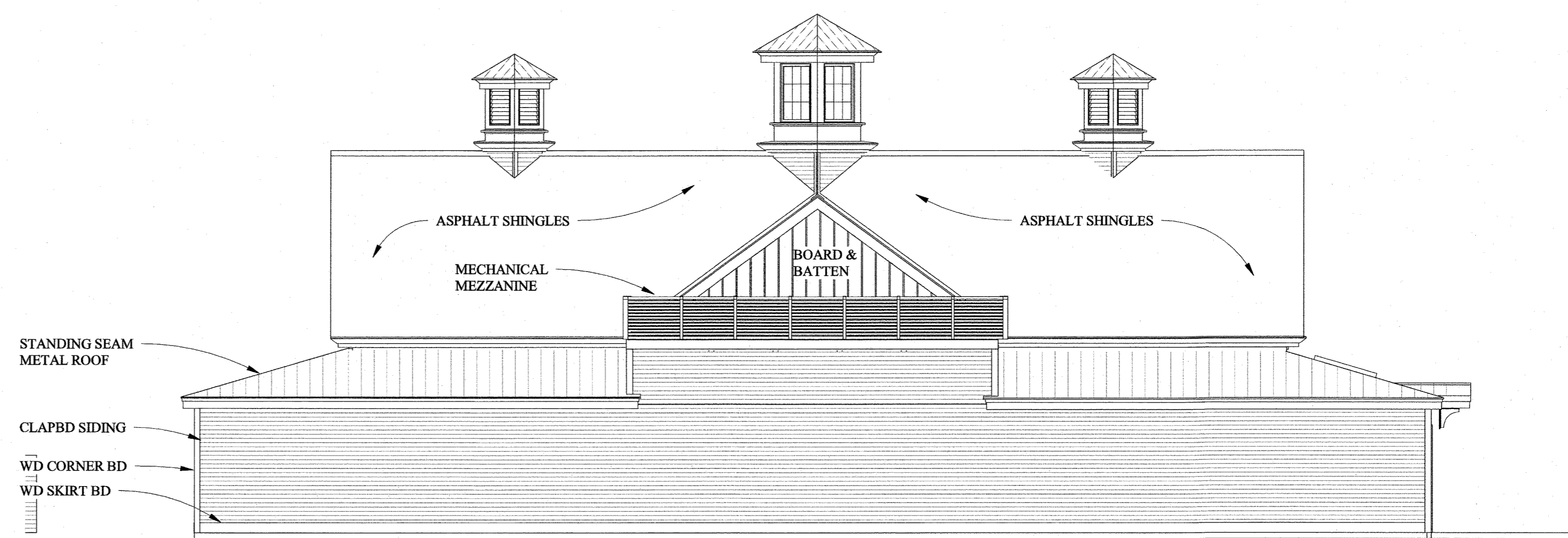
CREE LIGHTING
US: 800.451.4800
Canada: 905.872.4134
www.cree.com

REDLEONARD ASSOCIATES
1340 Kemper Meadow Dr, Forest Park, OH 45420
513-574-9500 | redleonard.com

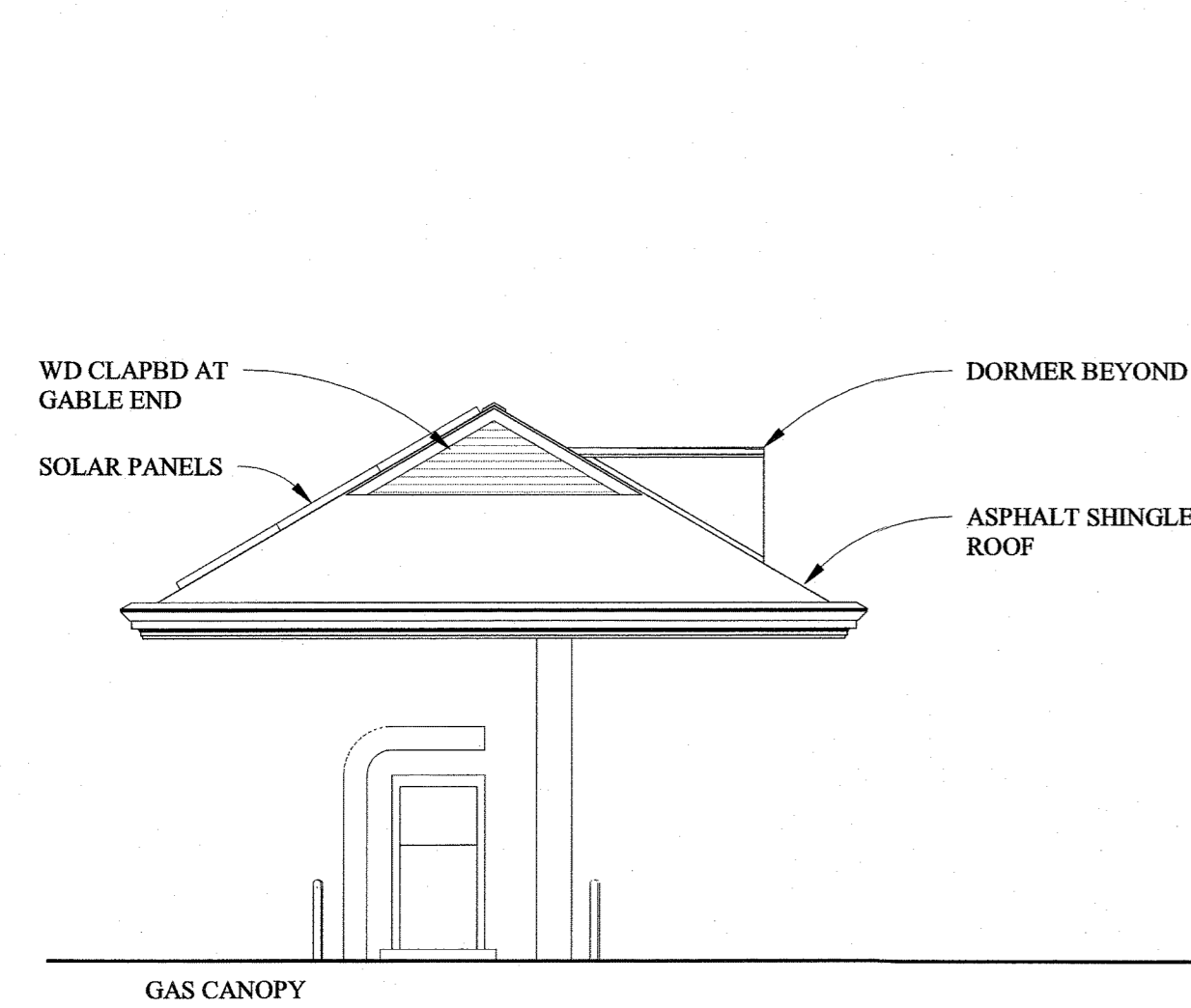
PROJECT NAME: SUMMIT DISTRIBUTING RICHMOND, VT
DRAWING NUMBER: RL-6676-S1-R3



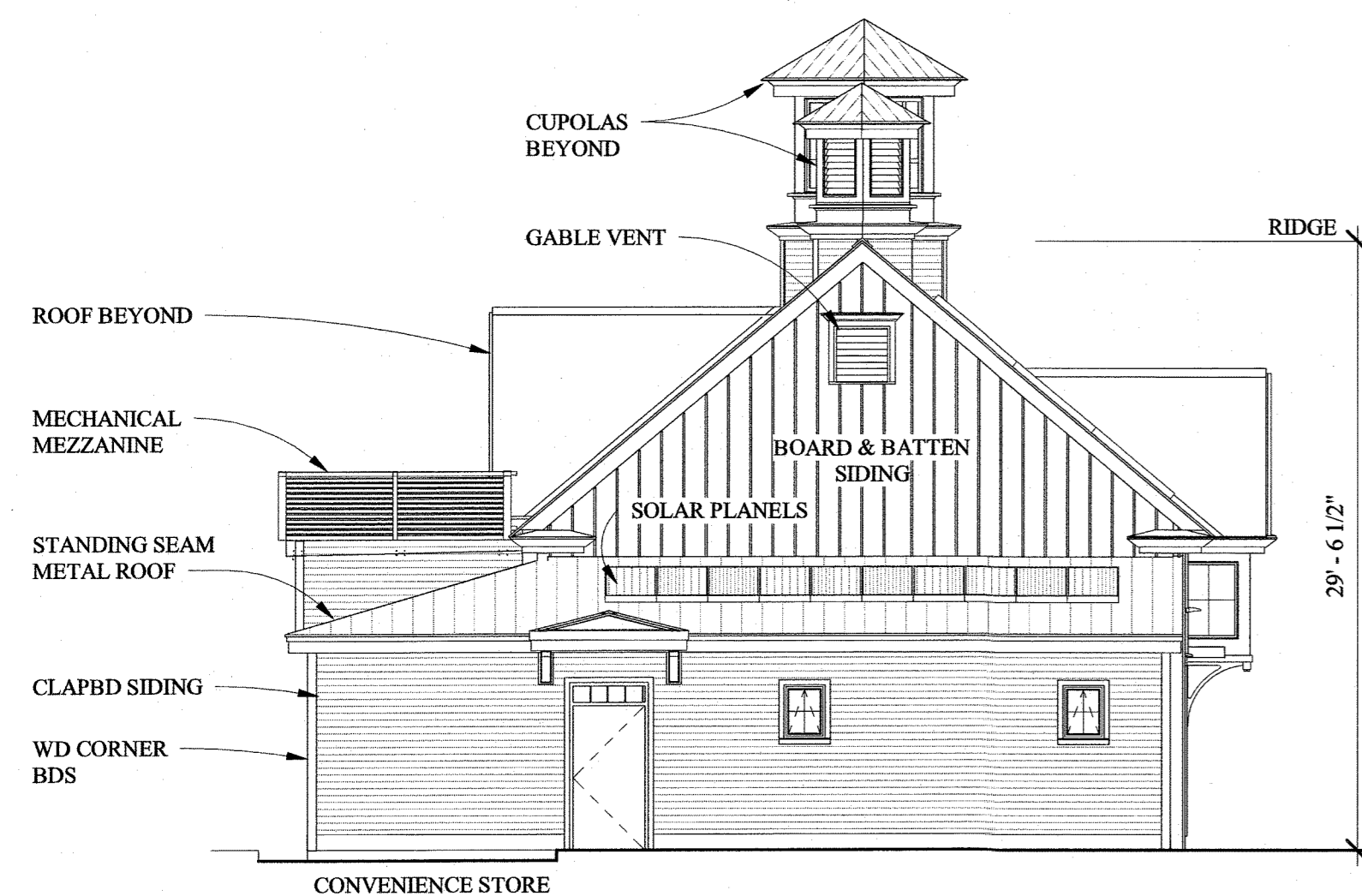
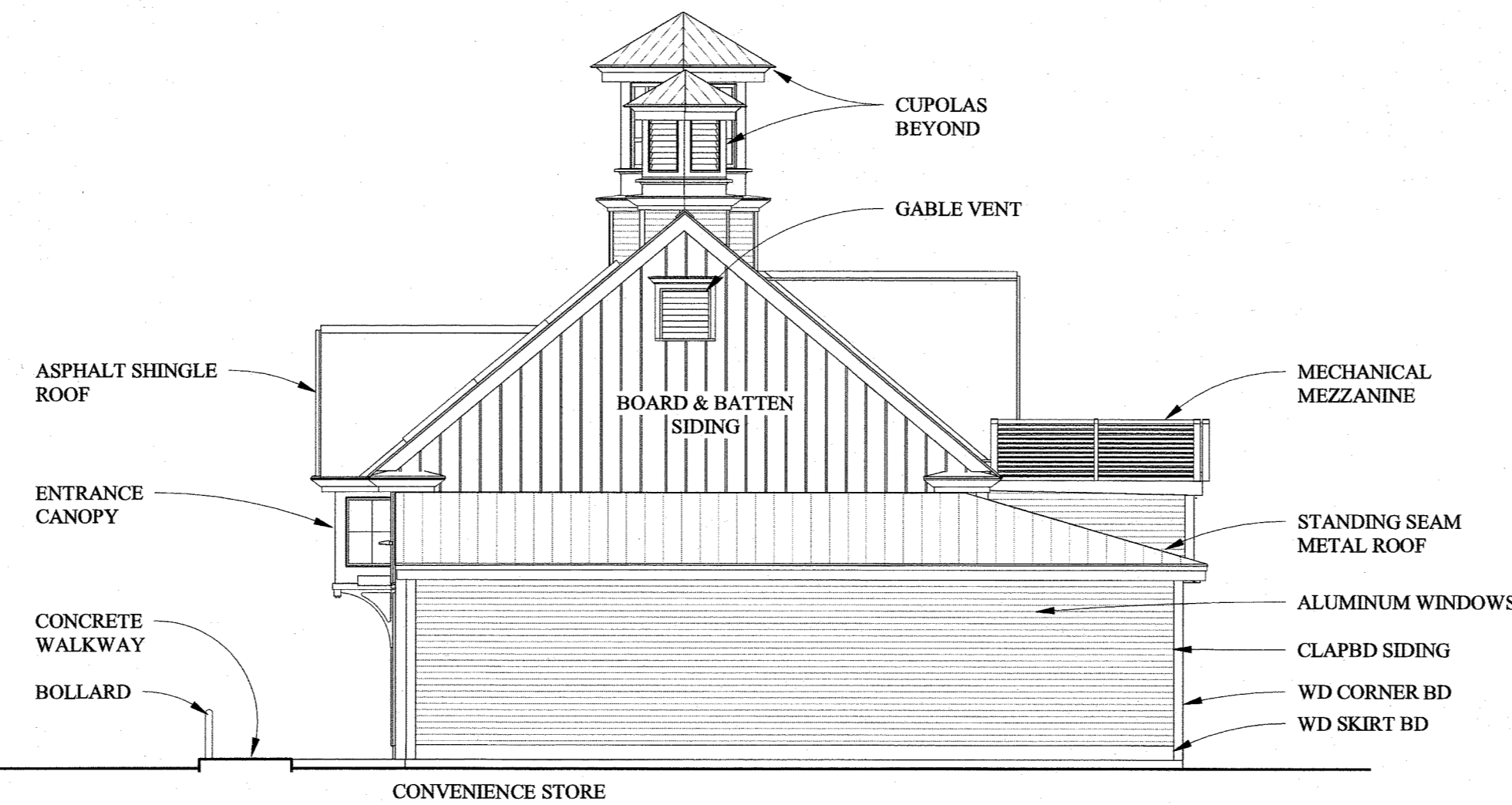
1 South
1/8" = 1'-0"



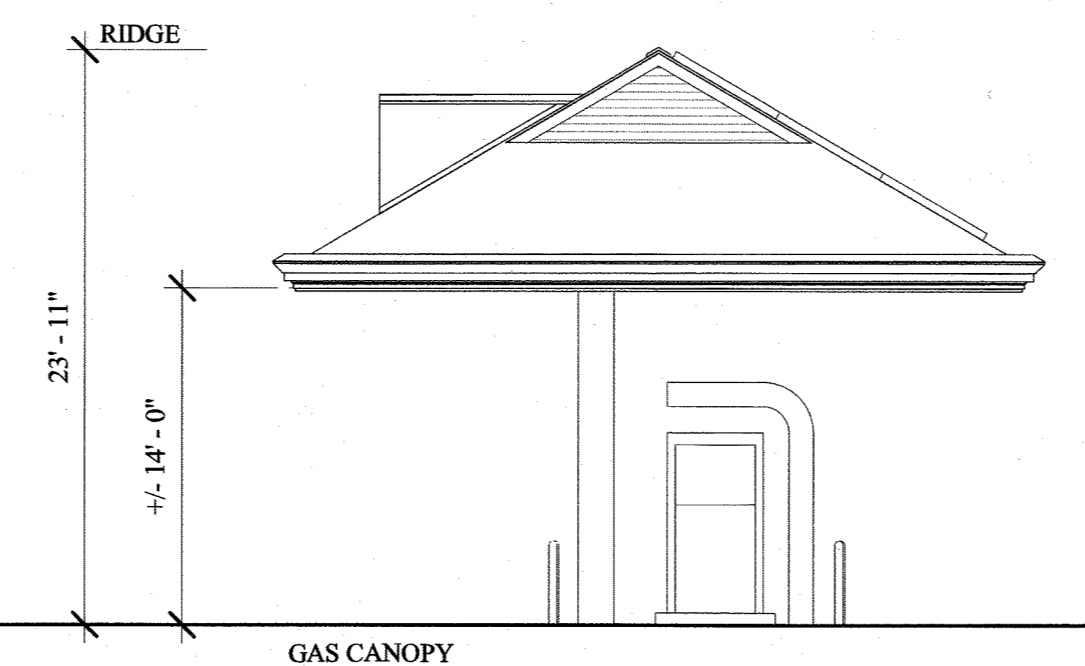
2 North
1/8" = 1'-0"



3 East
1/8" = 1'-0"



4 West
1/8" = 1'-0"



Summit Distributing, LLC
Convenience Store

1436 West Main Street Richmond, Vermont

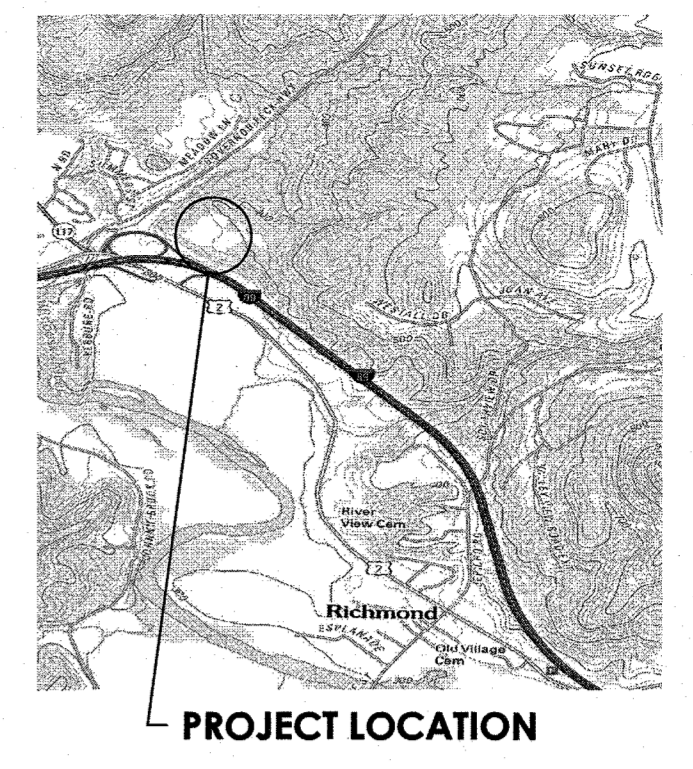
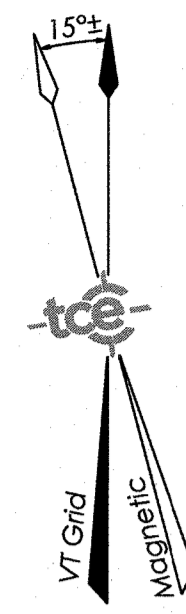
Randall T Mudge & Associates

Architects
85 DCH
Route 10
Lynn, New Hampshire

Building Elevations

2010 1/8" = 1'-0"
Job No Scale
Date 22 June 2022
Revised

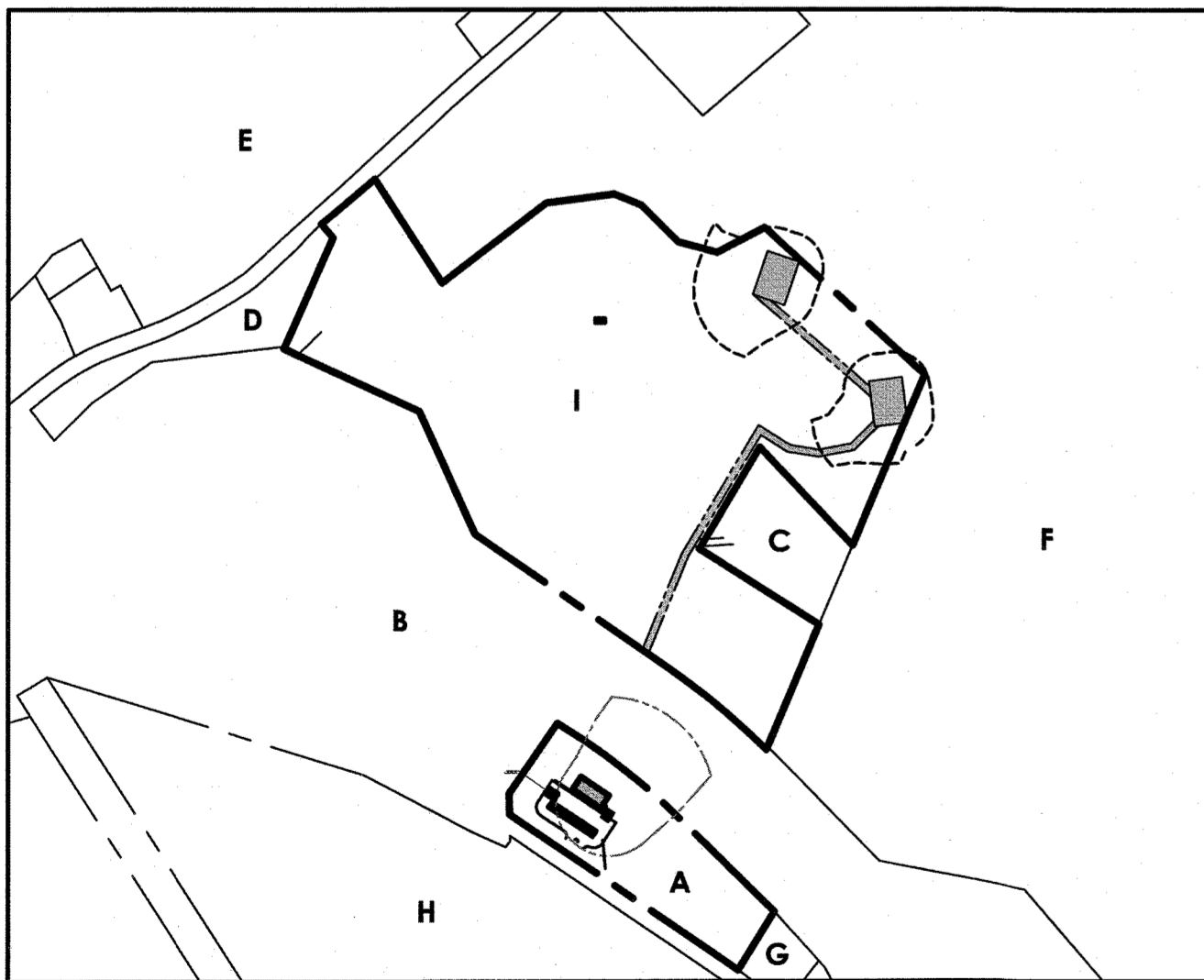
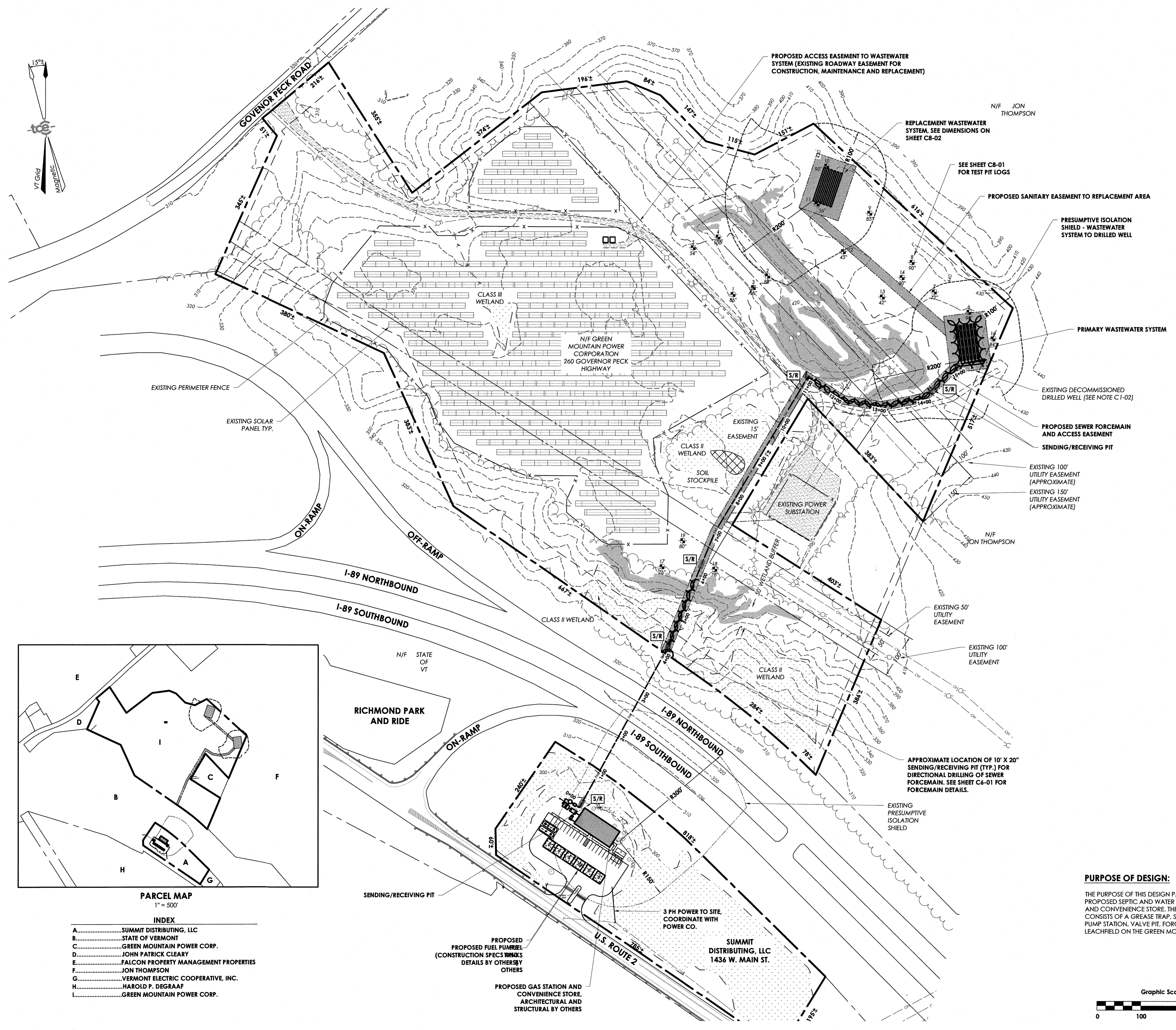
E1



ENGINEERING • SURVEY
 PLANNING • ENVIRONMENTAL
 478 BLAIR PARK ROAD | WILLISTON, VERMONT 05495
 802 879 6331 | WWW.TCEVT.COM

Revisions

No.	Description	Date	By
1	Added Prop. Fuel Tanks by Others	02/26/20	PM



PARCEL MAP
1" = 500'

INDEX

A.....	SUMMIT DISTRIBUTING, LLC
B.....	STATE OF VERMONT
C.....	GREEN MOUNTAIN POWER CORP.
D.....	JOHN PATRICK CLEARY
E.....	FALCON PROPERTY MANAGEMENT PROPERTIES
F.....	JON THOMPSON
G.....	VERMONT ELECTRIC COOPERATIVE, INC.
H.....	HAROLD P. DEGRAAF
I.....	GREEN MOUNTAIN POWER CORP.

- Use of These Drawings**
- Unless otherwise noted, these Drawings are intended for preliminary planning, coordination with other disciplines or utilities, and/or approval from the regulatory authorities. They are not intended as construction drawings unless noted as such or marked approved by a regulatory authority.
 - By use of these drawings for construction of the Project, the Owner represents that they have reviewed, approved, and accepted the drawings, obtained all necessary permits, and have met with all applicable parties/disciplines, including but not limited to, the Engineer and the Architect, to insure these plans are properly coordinated including, but not limited to, contract documents, specifications, owner/contractor agreements, building and mechanical plans, private and public utilities, and other pertinent permits for construction.
 - Owner and Architect, are responsible for final design and location of buildings shown, including an area measured a minimum five (5) feet around any building and coordinating final utility connections shown on these plans.
 - Prior to using these plans for construction layout, the user shall contact TCE to ensure the plan contains the most current revisions.
 - These Drawings are specific to the Project and are not transferable. As instruments of service, these drawings, and copies thereof, furnished by TCE are its exclusive property. Changes to the drawings may only be made by TCE. If errors or omissions are discovered, they shall be brought to the attention of TCE immediately.
 - It is the User's responsibility to ensure this copy contains the most current revisions.

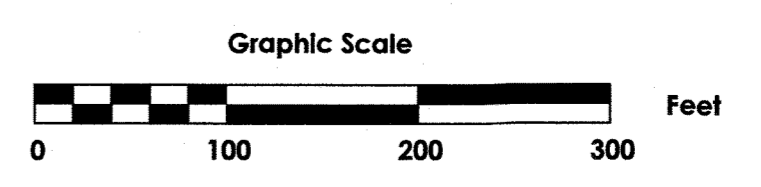


Project Title
Summit Distributing
 1436 West Main Street
 Richmond, Vermont

Sheet Title
Overall Site Plan

Date:	02/25/2020
Scale:	1" = 100'
Project Number:	19-131
Drawn By:	NPC
Project Engineer:	PM
Approved By:	JPP
Field Book:	

PURPOSE OF DESIGN:
 THE PURPOSE OF THIS DESIGN PACKAGE IS TO SHOW THE PROPOSED SEPTIC AND WATER SYSTEMS FOR THE GAS STATION AND CONVENIENCE STORE. THE PROPOSED SEPTIC SYSTEM CONSISTS OF A GREASE TRAP, SEPTIC TANK, PRE-TREATMENT UNIT, PUMP STATION, VALVE PIT, FORCEMAIN AND IN-GROUND LEACHFIELD ON THE GREEN MOUNTAIN POWER PROPERTY.



C2-01