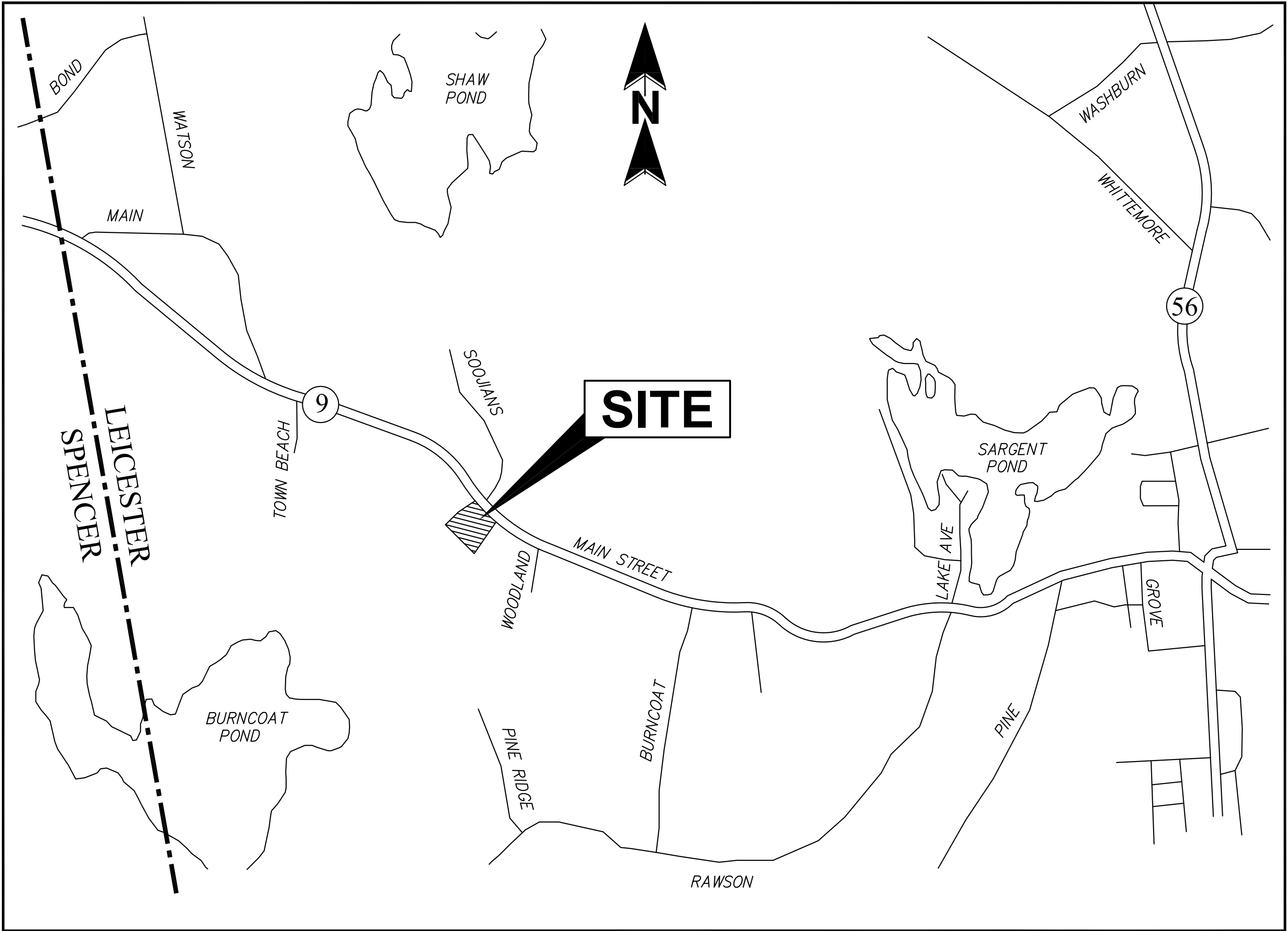


Site Development Plan  
at  
#1603 - #1605 Main Street  
Leicester, Massachusetts

Plan Date: September 23, 2021

Revisions			
NO.	DATE	DESCRIPTION	BY



LOCUS MAP

Scale: 1 " = 1,000 ± Feet

Prepared By:

**Architect**  
Bertin Engineering  
66 Glen Avenue,  
Glen Rock, NJ 07452



**ALLEN ENGINEERING  
& ASSOCIATES, INC.**

Civil Engineers • Surveyors  
Land Development Consultants

One Charlesview Road  
Suite 2

Hopedale, Ma 01747  
(508) 381-3212 • Phone  
www.allen-ea.com

**Traffic Consultant**  
Ron Müller & Associates  
56 Teresa Road,  
Hopkinton, MA

**Owner**  
Leicester Main, LLC  
One Charlesview Road, Suite 1  
Hopedale, MA 01747

**Applicant**  
Skaff Petroleum, Inc.  
334 Grafton Street,  
Worcester, MA 01604

APPROVED BY THE LEICESTER PLANNING BOARD

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DATE: \_\_\_\_\_

PLAN INDEX	
COVER SHEET	1
LOCUS PLAN	2
EXISTING CONDITIONS PLAN	3
SITE LAYOUT PLAN	4
SITE UTILITIES & LIGHTING PLAN	5
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LIGHTING ISOMETRIC ELEVATION	13



**NOTES:**  
THE ENTIRE AREA SHOWN IS WITHIN THE HB-1 ZONING DISTRICT.  
THE STREET ADDRESSES AND USES SHOWN TAKEN FROM THE TOWN GIS WEBSITE AND ON-LINE PROPERTY DATABASE.

MFR - MULTI-FAMILY RESIDENTIAL  
SFR - SINGLE-FAMILY RESIDENTIAL  
TFR - TWO FAMILY RESIDENTIAL

**LOCUS REFERENCES**  
ASSESSORS PARCEL: 18-8.1  
#1603 MAIN STREET  
OWNER: LEICESTER MAIN, LLC  
LAND COURT CERT. 16956  
LAND COURT PLAN 40185-B, LOT 1  
2.83 Acres

ASSESSORS PARCEL: 18A-14 & 15  
0 & #1605 MAIN STREET  
OWNER: LEICESTER MAIN, LLC  
DEED BOOK 41309, PAGE 153  
1.05 Acres

LOCUS LOTS ARE LOCATED WITHIN THE HIGHWAY BUSINESS-INDUSTRIAL 1 DISTRICT.

**NOTES**  
1. THIS PLAN IS BASED ON A FIELD SURVEY PERFORMED BY ODOE SURVEY & MAPPING IN DECEMBER 2012, AND UPDATED BY ALLEN ENGINEERING & ASSOCIATES, INC. IN DECEMBER 2020. PROPERTY LINES AND STRUCTURES BEYOND THE IMMEDIATE VICITY OF LOCUS HAVE BEEN COMPILED FROM AVAILABLE GIS MAPS AND ARE APPROXIMATE ONLY.

3. LOCUS FALLS WITHIN A FLOOD ZONE X (AREA OF MINIMAL FLOOD HAZARD) ACCORDING TO FLOOD INSURANCE RATE MAP PANEL NUMBER 25027C0780E.

4. THIS SITE DOES NOT CONTAIN CERTIFIED VERNAL POOLS OR HABITATS OF RARE SPECIES ACCORDING TO THE MASSACHUSETTS NATURAL HERITAGE WEB SITE AS OF DECEMBER 2020.



PROFESSIONAL ENGINEER

PREPARED FOR:

Skaff Petroleum, Inc.  
334 Grafton Street,  
Worcester, MA 01604

TITLE:

LOCUS PLAN  
For  
#1603 - #1605 Main Street  
In  
Leicester, MA

PREPARED BY:

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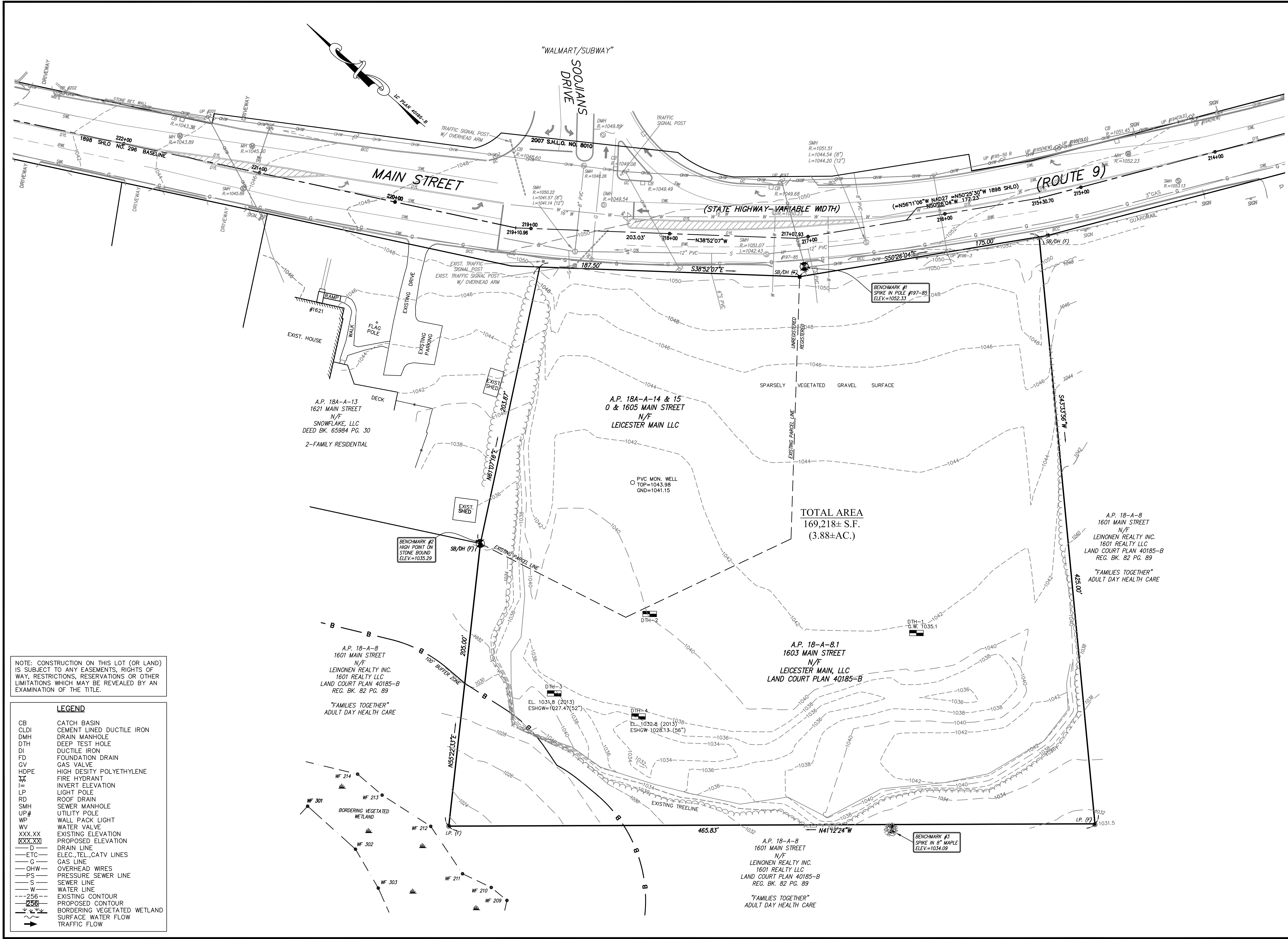
SCALE: 1"=120 FEET  
0 120 240 360

DATE: September 23, 2021

REVISIONS			
#	DATE	DESCRIPTION	INIT

JOB NO: 00047 SHEET: 2 of 13





NOTE: CONSTRUCTION ON THIS LOT (OR LAND) IS SUBJECT TO ANY EASEMENTS, RIGHTS OF WAY, RESTRICTIONS, RESERVATIONS OR OTHER LIMITATIONS WHICH MAY BE REVEALED BY AN EXAMINATION OF THE TITLE.

LEGEND	
CB	CATCH BASIN
CLDI	CEMENT LINED DUCTILE IRON
DMH	DRAIN MANHOLE
DTH	DEEP TEST HOLE
DI	DUCTILE IRON
FD	FOUNDATION DRAIN
GV	GAS VALVE
HDPE	HIGH DENSITY POLYETHYLENE
I	FIRE HYDRANT
LP	INVERT ELEVATION
RD	LIGHT POLE
SMH	SEWER MANHOLE
UP#	UTILITY POLE
WP	WALL PACK LIGHT
WV	WATER VALVE
XXX.XX	EXISTING ELEVATION
XXX.XX	PROPOSED ELEVATION
D	DRAIN LINE
ETC	ELEC., TEL., CATV LINES
G	GAS LINE
OHW	OVERHEAD WIRES
PS	PRESSURE SEWER LINE
S	SEWER LINE
W	WATER LINE
256	EXISTING CONTOUR
250	PROPOSED CONTOUR
	BORDERING VEGETATED WETLAND
	SURFACE WATER FLOW
	TRAFFIC FLOW

LOCUS REFERENCES

ASSESSORS PARCEL: 18-A-8.1  
#1603 MAIN STREET  
OWNER: LEICESTER MAIN, LLC  
LAND COURT CERT. 16956  
REG. BK. 85, PG. 156  
LAND COURT PLAN 40185-B, LOT 1

ASSESSORS PARCEL: 18A-A-14 & 15  
0 & #1605 MAIN STREET  
OWNER: LEICESTER MAIN, LLC  
DEED BOOK 41309, PAGE 153

LOCUS LOTS ARE LOCATED WITHIN THE HIGHWAY BUSINESS-INDUSTRIAL 1 DISTRICT.

NOTES

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2. ELEVATIONS REFER TO NAD 88 VERTICAL DATUM.

3. THE SITE FALLS WITHIN A FLOOD ZONE X (AREA OF MINIMAL FLOOD HAZARD) ACCORDING TO FLOOD INSURANCE RATE MAP PANEL NUMBER 25027C0780E.

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6. THERE SHALL BE NO USE OF FILL CONTAINING HAZARDOUS MATERIALS.

PROFESSIONAL ENGINEER

PREPARED FOR:

Scaff Petroleum, Inc.  
334 Grafton Street,  
Worcester, MA 01604

TITLE:

EXISTING CONDITIONS  
PLAN

For

#1603 - #1605 Main Street  
In  
Leicester, MA

PREPARED BY:

**ALLEN ENGINEERING  
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Suite 2  
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SCALE: 1"=30 FEET

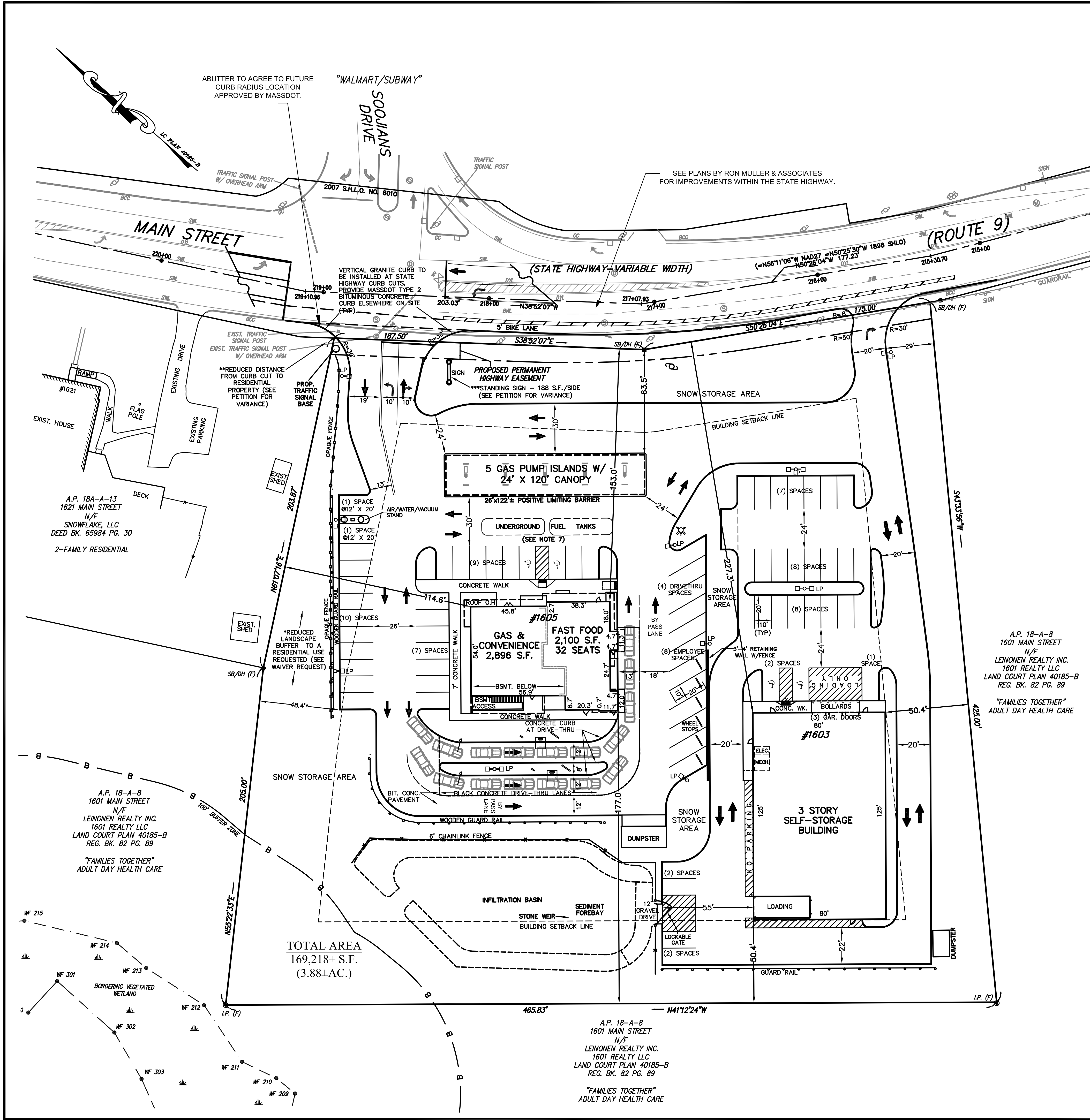
DATE: September 23, 2021

REVISIONS			
#	DATE	DESCRIPTION	INIT

JOB NO: 00047

SHEET: 3 of 13





**LEGEND**

CB CATCH BASIN  
CLDI CEMENT LINED DUCTILE IRON  
DMH DRAIN MANHOLE  
DTH DEEP TEST HOLE  
DI DUCTILE IRON  
FD FOUNDATION DRAIN  
GV GAS VALVE  
HDPE HIGH DENSITY POLYETHYLENE  
H FIRE HYDRANT  
I= INVERT ELEVATION  
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WP WALL PACK LIGHT  
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XXX.XX EXISTING ELEVATION  
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D DRAIN LINE  
ETC ELEC., TEL., CATV LINES  
G GAS LINE  
OHW OVERHEAD WIRES  
PS PRESSURE SEWER LINE  
S SEWER LINE  
W WATER LINE  
-256- EXISTING CONTOUR  
256 PROPOSED CONTOUR  
WETLAND BORDERING VEGETATED WETLAND  
SURFACE WATER FLOW  
TRAFFIC FLOW

NOTE: CONSTRUCTION ON THIS LOT (OR LAND) IS SUBJECT TO ANY EASEMENTS, RIGHTS OF WAY, RESTRICTIONS, RESERVATIONS OR OTHER LIMITATIONS WHICH MAY BE REVEALED BY AN EXAMINATION OF THE TITLE.

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OWNER: LEICESTER MAIN, LLC  
DEED BOOK 41309, PAGE 153  
1.05 Acres
- LOCUS LOTS ARE LOCATED WITHIN THE HIGHWAY BUSINESS-INDUSTRIAL 1 DISTRICT.
- NOTES**  
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6. THERE SHALL BE NO USE OF FILL CONTAINING HAZARDOUS MATERIALS.  
7. APPLICANT SHALL PROVIDE CONSTRUCTION DRAWINGS FOR UNDERGROUND STORAGE TANKS WITH APPLICATION FOR BUILDING PERMIT. DEPTH OF LEDGE/REFUSAL TO BE DETERMINED PRIOR TO DESIGN.



PROFESSIONAL ENGINEER

PREPARED FOR:  
**Skaff Petroleum, Inc.**  
334 Grafton Street,  
Worcester, MA 01604

TITLE:  
**SITE LAYOUT PLAN**  
For  
**#1603 - #1605 Main Street**  
In  
**Leicester, MA**

PREPARED BY:  
  
**ALLEN ENGINEERING & ASSOCIATES, INC.**  
Civil Engineers • Surveyors  
Land Development Consultants  
One Charlesview Road  
Suite 2  
Hopkdale, Ma 01747  
(508) 381-3212 • Phone  
www.allenrea.com

SCALE: 1"=30 FEET  
0 30 60 90

DATE: **September 23, 2021**

REVISIONS			
#	DATE	DESCRIPTION	INIT

JOB NO: 00047 SHEET: 4 of 13

**PLANNING BOARD WAIVER REQUEST:**  
\*REDUCED LANDSCAPE BUFFER TO A RESIDENTIAL USE REQUESTED, BYLAW SECT. 5.5.02.2B. (50 FEET REQUIRED).

PROPOSED - 48.4 FEET, AND REQUEST TO ALLOW PARKING AND DRIVEWAY WITHIN THE BUFFER ADJACENT TO #1621 MAIN STREET. AN OPAQUE FENCE IS PROPOSED WITHIN THE BUFFER TO #1621 TO MITIGATE SCREENING LOST BY REDUCTION OF THE BUFFER.

**ZONING BOARD OF APPEALS PETITION FOR VARIANCE:**  
\*\*REDUCED DISTANCE FROM CURB CUT TO RESIDENTIAL PROPERTY, BYLAW SECT. 5.5.02.1.C.1. (24 FEET REQUIRED).

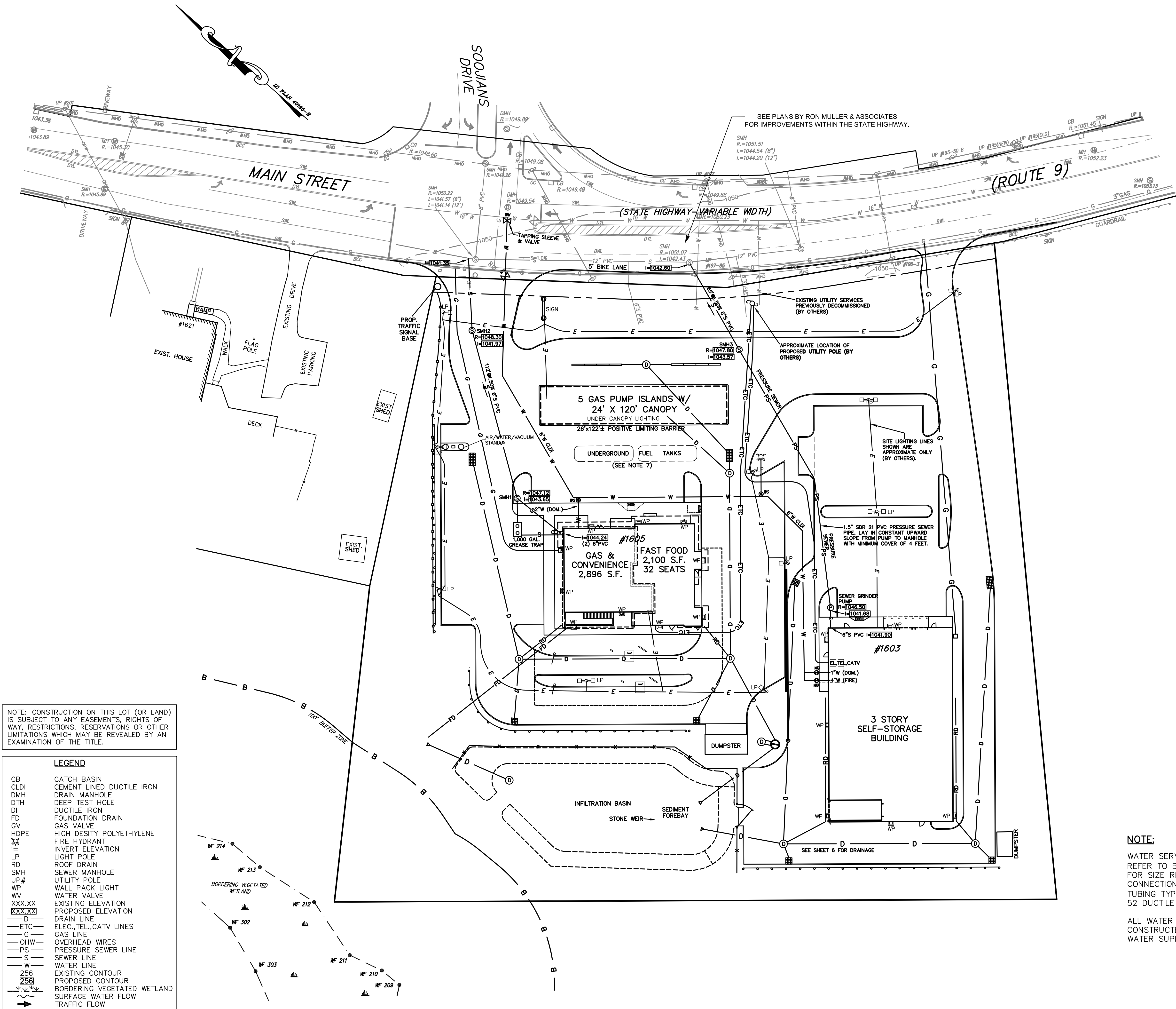
PROPOSED - 1 FOOT AT #1621 MAIN STREET PROPERTY. THE REDUCTION IS REQUESTED TO ALLOW THE NEW SITE ENTRANCE TO ALIGN WITH THE EXISTING SOOJIAN DRIVE INTERSECTION ACROSS MAIN STREET (ROUTE 9). GRANTING THIS VARIANCE WILL ALLOW A SAFER SIGNALIZED INTERSECTION ON THE STATE HIGHWAY. THIS REQUEST IS MADE NECESSARY DUE TO THE SPECIFIC SHAPE AND TOPOGRAPHY OF THE LOCUS LOT, AND DOES NOT GENERALLY AFFECT THE HB-1 DISTRICT IN WHICH IT IS LOCATED.

**ZONING BOARD OF APPEALS PETITION FOR VARIANCE:**  
\*\*\*STANDING SIGN - SIZE, BYLAW SECT. 3.2.07-2 (NOT TO EXCEED 30 SQUARE FEET).

PROPOSED - STANDING SIGN WITH AN AREA OF 188 SQUARE FEET ON EACH SIDE. THE VARIANCE IS REQUESTED IN ORDER TO ALLOW THE DISPLAY OF PRICES FOR SEVERAL FUEL GRADES AT SUCH A SIZE AS CAN BE READILY SEEN BY DRIVERS, AND ADDITIONALLY PROVIDE SIGNAGE FOR THE THREE OTHER BUSINESSES ON THE PROJECT SITE. THIS PETITION OWES TO THE CIRCUMSTANCES RELATED SPECIFICALLY TO THE STRUCTURES INVOLVED, WHICH INCLUDE FOUR SEPARATE AND DISTINCT USES PROPOSED ON THIS PARTICULAR SITE, AND NOT AFFECTING GENERALLY THE HB-1 DISTRICT.

ZONING TABLE		#1603	#1605
ZONING DISTRICT: HIGHWAY BUSINESS-INDUSTRIAL 1	REQUIRED	PROPOSED	PROPOSED
MIN. LOT SIZE	60,000 S.F.	169,218 S.F.	169,218 S.F.
MINIMUM LOT FRONTAGE	200 FEET	362.50 FEET	362.50 FEET
SETBACKS:			
FRONT	50 FEET	227.3 FEET	153.0 FEET
SIDE	50 FEET	50.4 FEET	114.6 FEET
REAR	50 FEET	50.4 FEET	177.0 FEET
BUILDING COVERAGE:			
MAXIMUM BUILDING HEIGHT	40% MAX.	9%	9%
	55 FEET	36.2 FEET	18.7 FEET
	5 1/2 STY.	3 STY.	1 STY.
PARKING REQUIREMENTS:			
STALL DIMENSIONS	10' x 20'	10' x 20'	10' x 20'
90° PARKING	24'	24'	26'
60° PARKING	16'	24'	18'
NUMBER OF SPACES REQUIRED BY USE:			
RENTAL ENCLOSED SELF-STORAGE (3+1 PER 100 UNITS) 3+3	6	30	
RESTAURANT (1 PER EMP. + 1 PER 3 SEATS) 8+32/3=19	33		40
RETAIL (1 PER 200 S.F. GROSS FLOOR SPACE) 2896/200=14			
ADA PARKING REQUIREMENT: (26-50 SPACES)	2 SPACES	2 SPACES	2 SPACES
LANDSCAPING REQUIREMENTS:			
5% INTERIOR PARKING LANDSCAPE REQUIRED			
74 PARKING SPACES (10W x 20L) = 14,800 S.F.	740 S.F.	4,215 S.F.	
5% (0.05) x 14,800 S.F. = 740 S.F.			
(1) TREE PER 35 SPACES (74/35) = 2.1	3 TREES	17 TREES	



**NOTE:**

WATER SERVICE SIZES ARE SUBJECT TO CHANGE – REFER TO BUILDING MECHANICAL/PLUMBING PLANS FOR SIZE REQUIREMENTS. WATER SERVICE CONNECTIONS UP TO 2 INCHES SHALL BE COPPER TUBING TYPE "K". LARGER SERVICES SHALL BE CLASS 52 DUCTILE IRON DOUBLE CEMENT LINED.

ALL WATER AND SEWER CONNECTIONS SHALL BE CONSTRUCTED PER REGULATIONS OF THE LEICESTER WATER SUPPLY DISTRICT.

**LOCUS REFERENCES**

ASSESSORS PARCEL: 18-8.1  
#1603 MAIN STREET  
OWNER: LEICESTER MAIN, LLC  
LAND COURT CERT. 16956  
LAND COURT PLAN 40185-B, LOT 1  
2.83 Acres

ASSESSORS PARCEL: 18A-14 & 15  
0 & #1605 MAIN STREET  
OWNER: LEICESTER MAIN, LLC  
DEED BOOK 41309, PAGE 153  
1.05 Acres

LOCUS LOTS ARE LOCATED WITHIN THE HIGHWAY BUSINESS-INDUSTRIAL 1 DISTRICT.

**NOTES**

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PROFESSIONAL ENGINEER

PREPARED FOR:

Skaff Petroleum, Inc.  
334 Grafton Street,  
Worcester, MA 01604

TITLE:

SITE UTILITIES &  
LIGHTING PLAN

For

#1603 - #1605 Main Street  
In  
Leicester, MA

PREPARED BY:



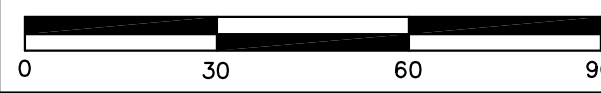
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SCALE:

1"=30 FEET



DATE:

September 23, 2021

REVISIONS

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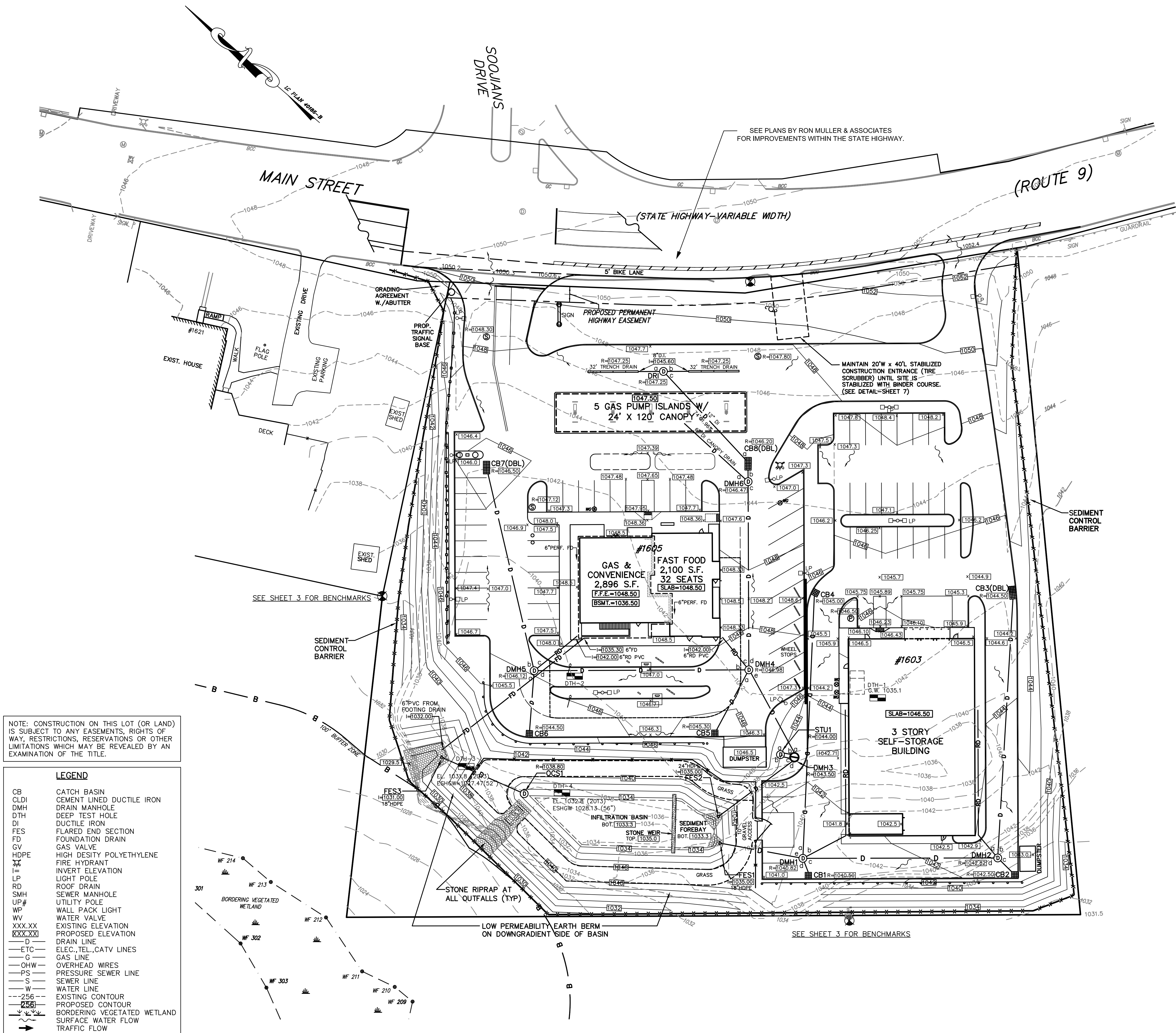
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5 of 13



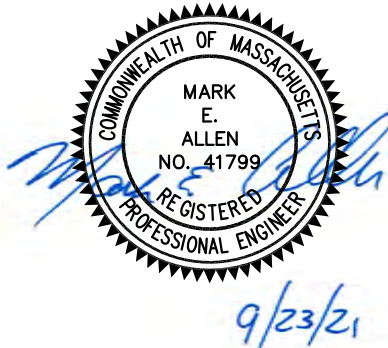


DRAINAGE SCHEDULE

CB1	R=1040.50	I=1036.50 12"HDPE
CB2	R=1042.50	I=1037.95 12"HDPE
CB3 (DOUBLE)	R=1044.50	I=1040.00 12"HDPE
CB4	R=1045.00	I=1040.00 12"HDPE
CB5	R=1045.30	I=1040.30 12"HDPE
CB6	R=1044.50	I=1040.75 12"HDPE
CB7 (DOUBLE GRATE)	R=1041.50	I=1045.50 12"HDPE
CB8 (DOUBLE GRATE)	R=1046.20	I(a)=1042.30 12"DI I(b)=1040.78 18"HDPE
DMH1	R=1040.82	I(a)=1036.38 12"HDPE I(b)=1036.32 6"PVC ROOF DRAIN I(c)=1036.02 15"HDPE I(d)=1036.38 12"HDPE I(e)=1035.77 18"HDPE
DMH2	R=1042.82	I(a)=1038.32 6"PVC ROOF DRAIN I(b)=1037.77 12"HDPE I(c)=1037.77 12"HDPE I(d)=1037.52 15"HDPE
DMH3 (5'I.D.)	R=1043.5	I(a)=1036.37 24"HDPE I(b)=1036.37 12"HDPE I(c)=1036.20 12"HDPE I(d)=1035.86 24"HDPE TOP DIVERSION WEIR=1036.75 (SEE SHEET 11)
DMH4	R=1046.98	I(a)=1039.67 12"HDPE I(b)=1038.44 18"HDPE I(c)=1041.50 6"PVC RD I(d)=1038.84 18"HDPE I(e)=1037.35 24"HDPE
DMH5	R=1046.12	I(a)=1040.39 12"HDPE I(b)=1040.22 12"HDPE I(c)=1041.40 6"PVC RD I(d)=1039.89 18"HDPE
DMH6	R=1046.47	I(a)=1042.30 6"DI I(b)=1040.68 18"HDPE I(c)=1040.58 18"HDPE
DRI (DROP INLET)	R=1047.25	I(a)=1045.18 8"DI I(b)=1045.18 8"DI I(c)=1043.75 12"DI
OCS1 (OUTLET CONTROL STRUCTURE)	R=1038.80	I=1033.50 18"HDPE (SEE SHEET 10 FOR INLET ELEVATIONS)
STU1 (STORMWATER TREATMENT UNIT)	R=1044.0	I(a)=1036.30 12"HDPE I(b)=1036.30 12"HDPE (SEE SHEET 11)

NOTE:  
PROPOSED GRADING SHOWN  
REQUIRES 17,400± CUBIC YARDS  
OF FILL.

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ASSESSORS PARCEL: 18-8.1  
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PROFESSIONAL ENGINEER

PREPARED FOR:

Scaff Petroleum, Inc.  
334 Grafton Street,  
Worcester, MA 01604

TITLE:

GRADING & DRAINAGE  
PLAN  
For  
#1603 - #1605 Main Street  
In  
Leicester, MA

PREPARED BY:



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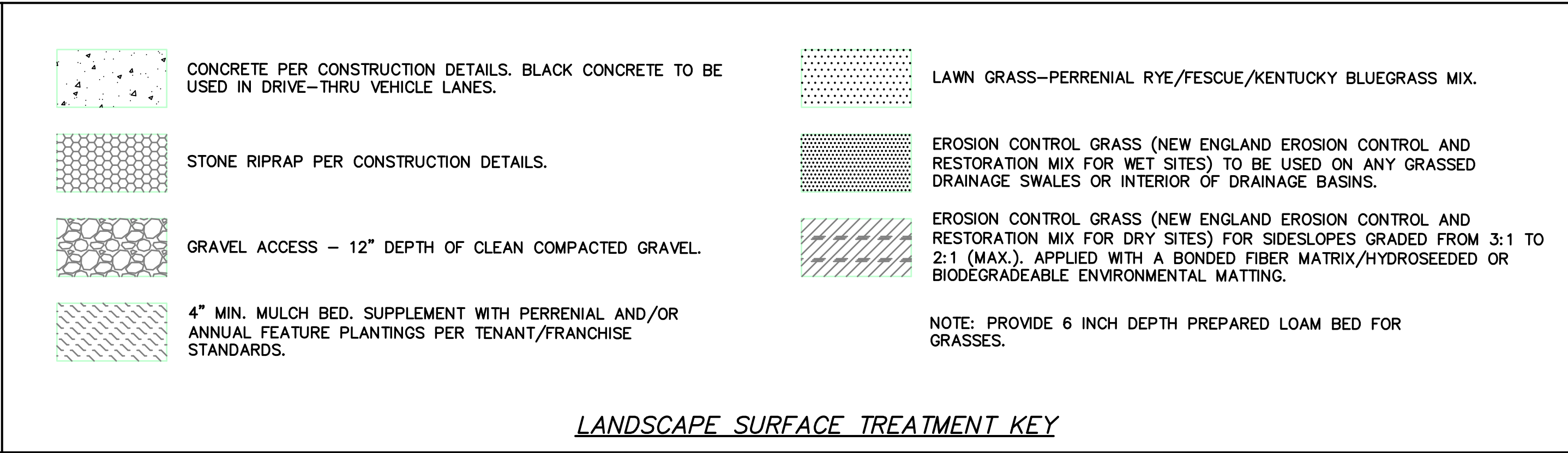
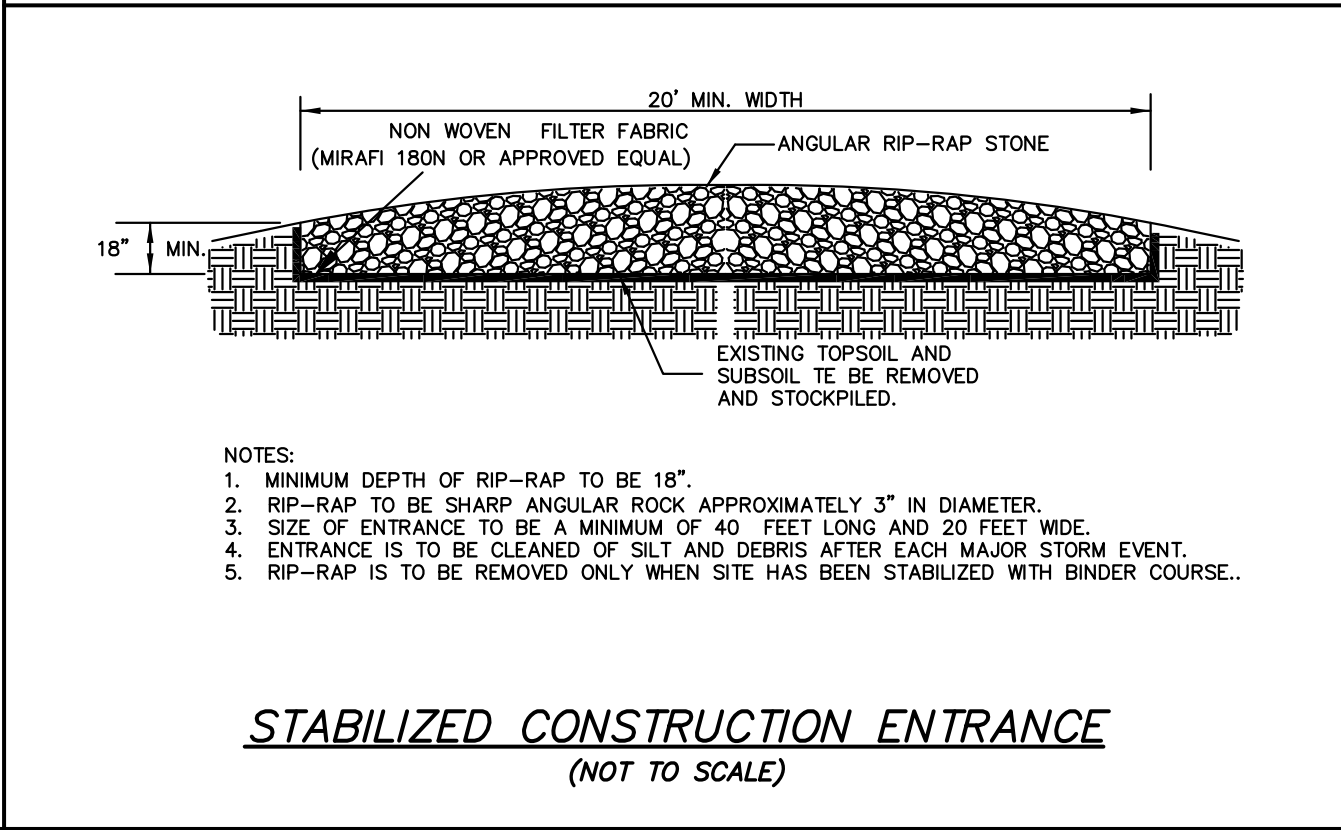
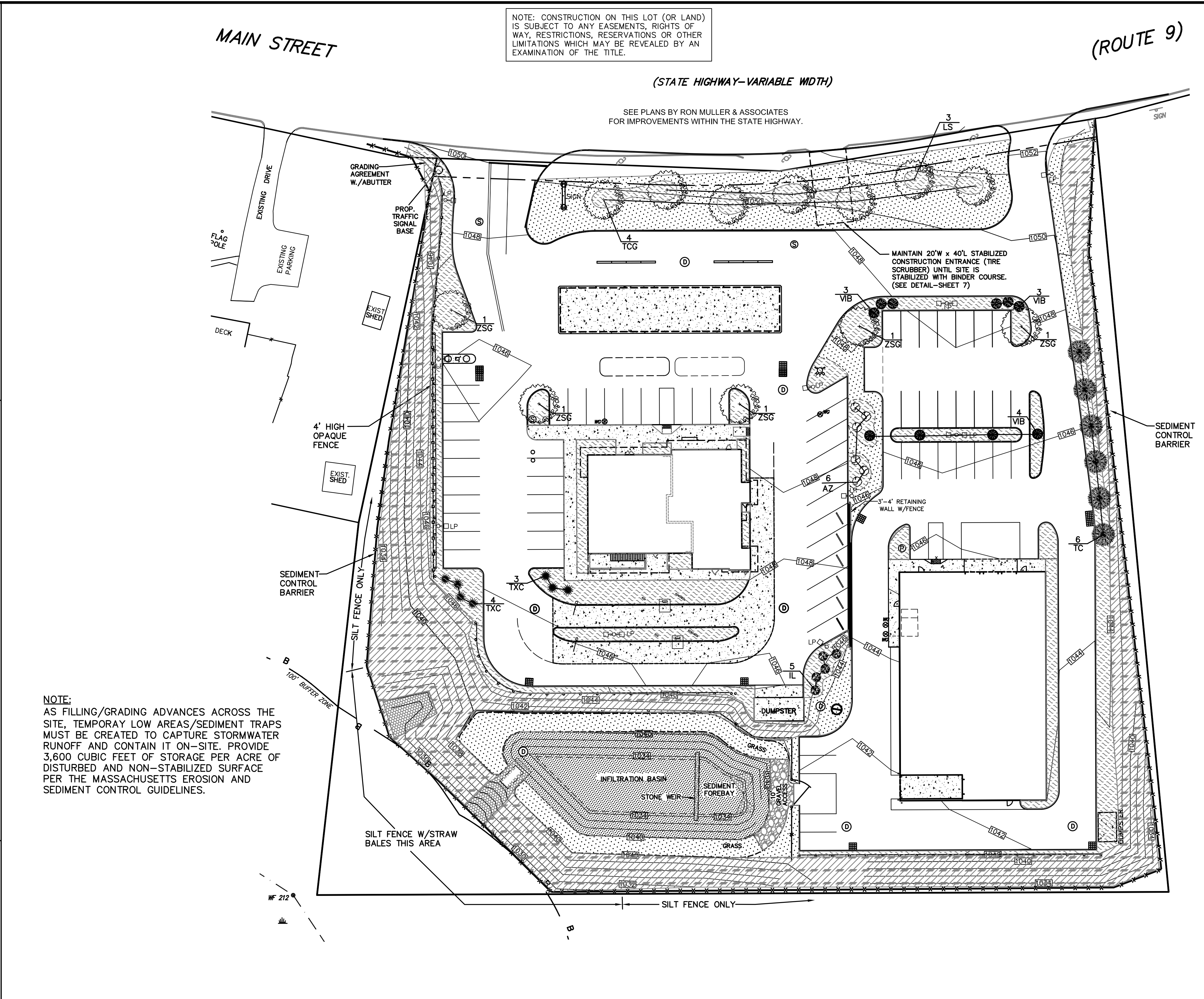
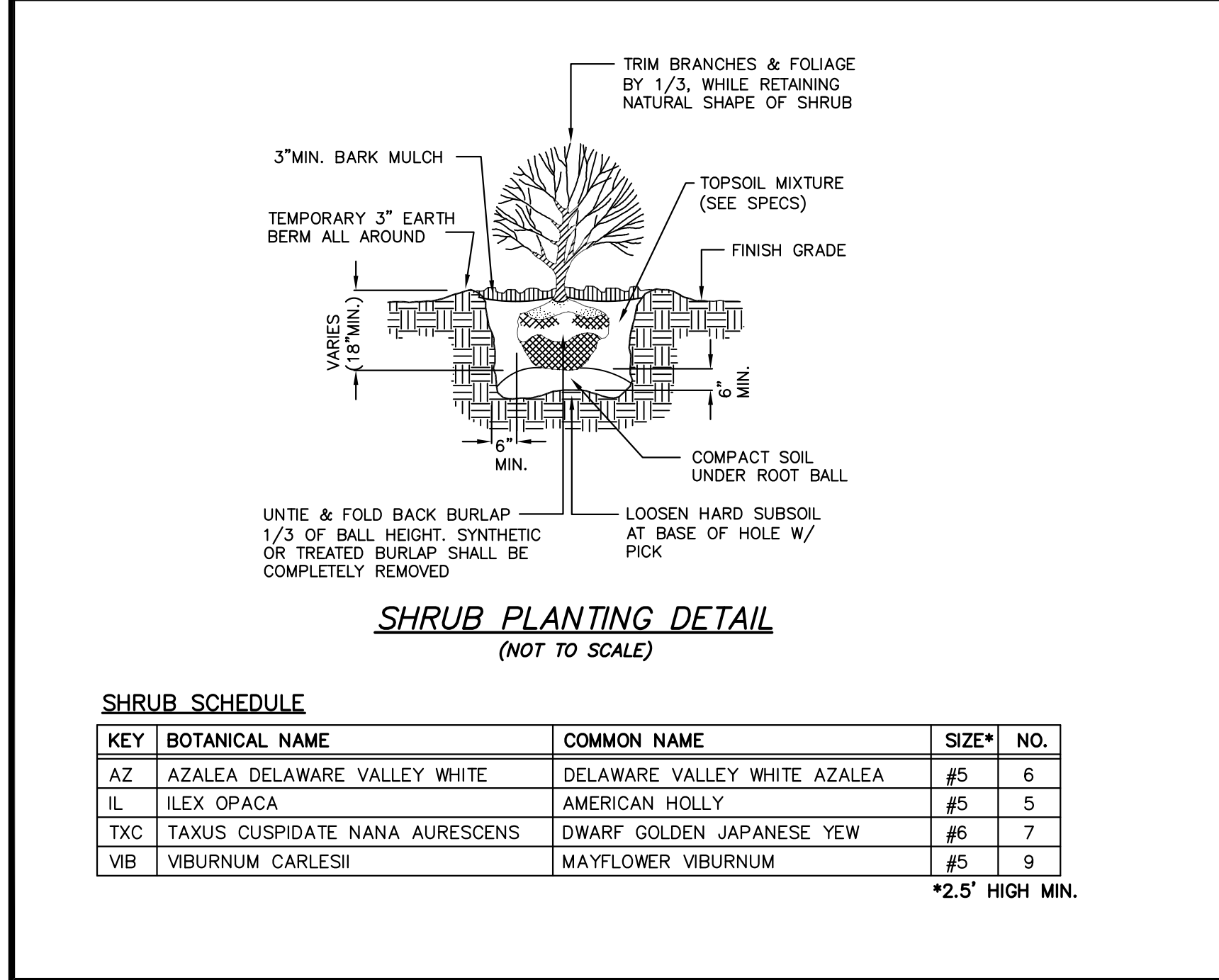
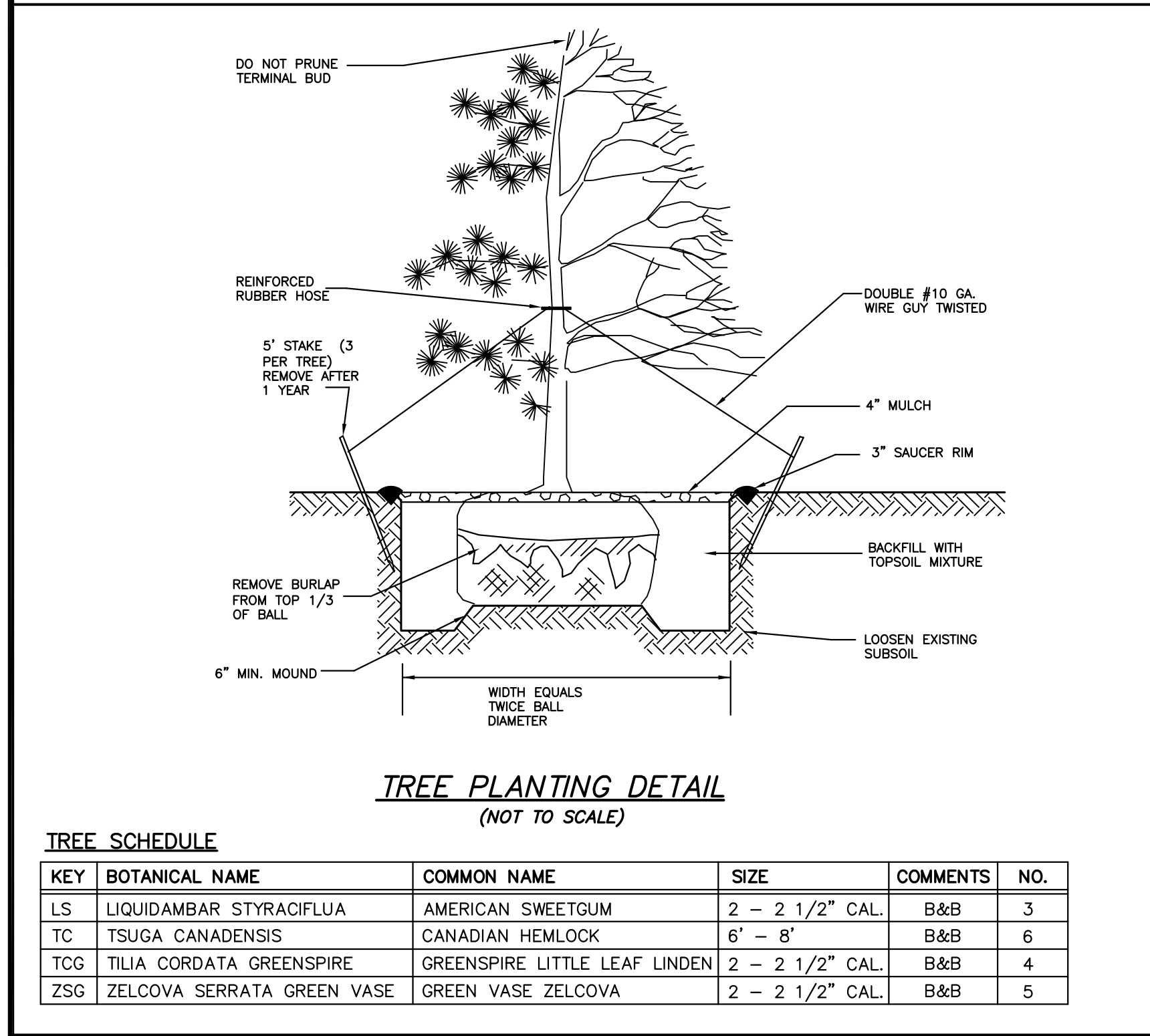
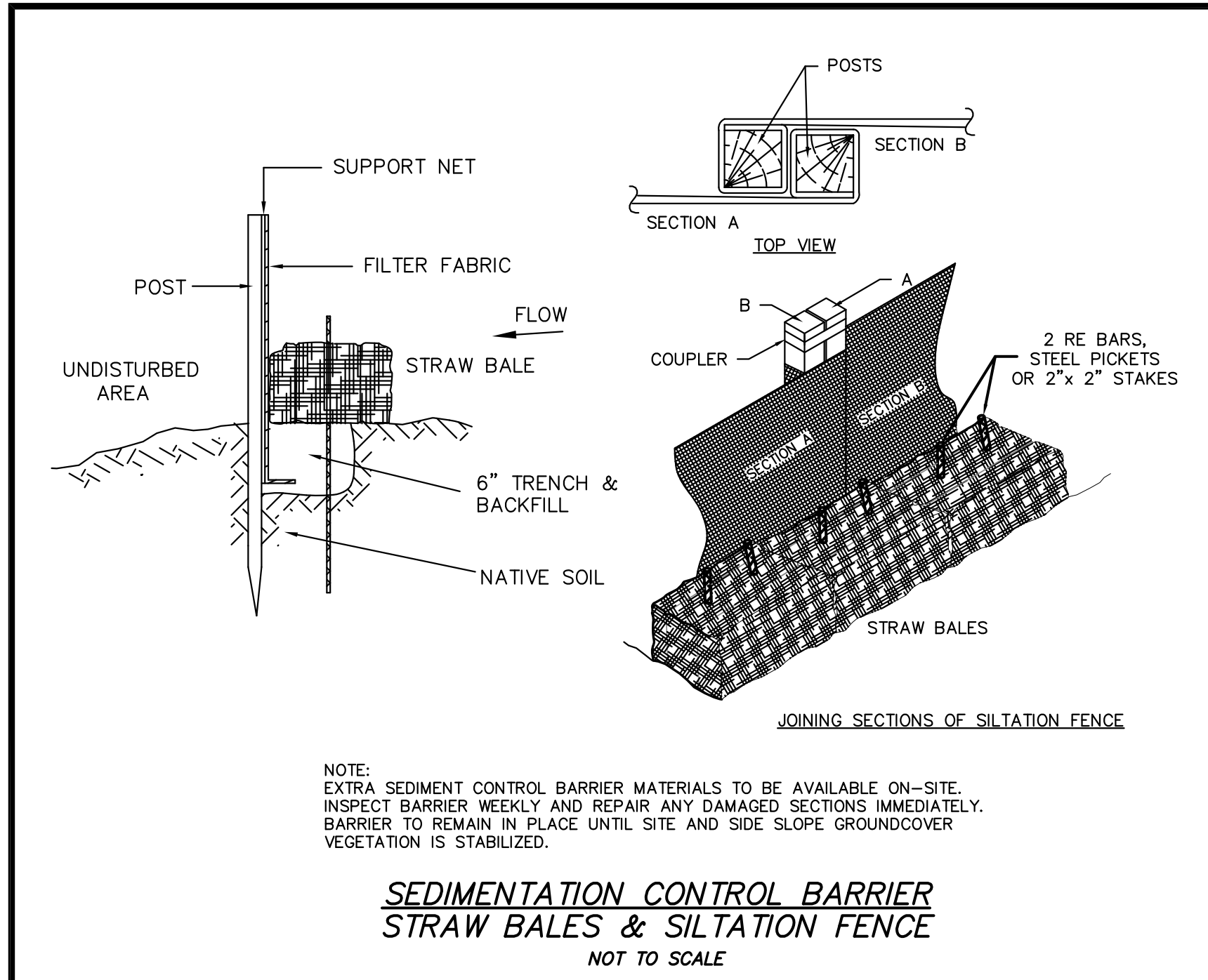
JOB NO:

00047

SHEET:

6 of 13





**LOCUS REFERENCES**  
ASSESSORS PARCEL: 18-8.1  
#1603 MAIN STREET  
OWNER: LEICESTER MAIN, LLC  
LAND COURT CERT. 16956  
LAND COURT PLAN 40185-B, LOT 1  
2.83 Acres

ASSESSORS PARCEL: 18A-14 & 15  
0 & #1605 MAIN STREET  
OWNER: LEICESTER MAIN, LLC  
DEED BOOK 41309, PAGE 153  
1.05 Acres

LOCUS LOTS ARE LOCATED WITHIN THE  
HIGHWAY BUSINESS-INDUSTRIAL 1  
DISTRICT.

**NOTES**  
1. THIS PLAN IS BASED ON A FIELD  
SURVEY PERFORMED BY ODORE SURVEY  
& MAPPING IN DECEMBER 2012, AND  
UPDATED BY ALLEN ENGINEERING &  
ASSOCIATES, INC. IN DECEMBER 2020.

2. ELEVATIONS REFER TO NAD 88  
VERTICAL DATUM.

3. THE SITE FALLS WITHIN A FLOOD  
ZONE X (AREA OF MINIMAL FLOOD  
HAZARD) ACCORDING TO FLOOD  
INSURANCE RATE MAP PANEL NUMBER  
25027C0780E.

4. THIS SITE DOES NOT CONTAIN  
CERTIFIED VERNAL POOLS OR HABITATS  
OF RARE SPECIES ACCORDING TO THE  
MASSACHUSETTS NATURAL HERITAGE  
WEB SITE AS OF DECEMBER 2020.

5. EXISTING UTILITY LINES SHOWN ON  
THESE DRAWINGS ARE BASED ON  
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6. THERE SHALL BE NO USE OF FILL  
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7. APPLICANT SHALL PROVIDE  
CONSTRUCTION DRAWINGS FOR  
UNDERGROUND STORAGE TANKS WITH  
APPLICATION FOR BUILDING PERMIT.  
DEPTH OF LEDGE/REFUSAL TO BE  
DETERMINED PRIOR TO DESIGN.

**PROFESSIONAL ENGINEER**  
MARK E. ALLEN  
NO. 41799  
REGISTERED PROFESSIONAL ENGINEER  
9/23/21

PREPARED FOR:  
Skaff Petroleum, Inc.  
334 Grafton Street,  
Worcester, MA 01604

**TITLE:**  
**LANDSCAPE & EROSION  
CONTROL PLAN**  
For  
#1603 - #1605 Main Street  
In  
Leicester, MA

PREPARED BY:  
**ALLEN ENGINEERING  
& ASSOCIATES, INC.**  
Civil Engineers • Surveyors  
Land Development Consultants  
One Charlesview Road  
Suite 2  
Hopedale, Ma 01747  
(508) 381-3212 • Phone  
www.allenrea.com

**SCALE:**  
1"=30 FEET  
0 30 60 90

**DATE:**  
September 23, 2021

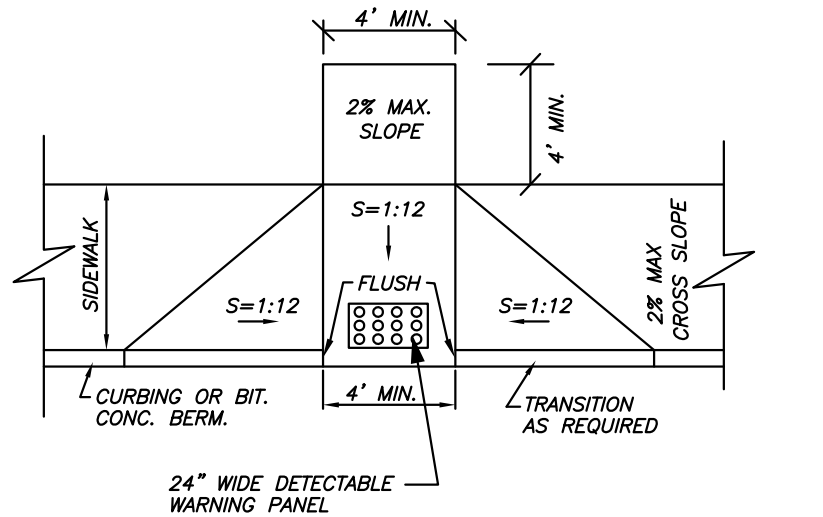
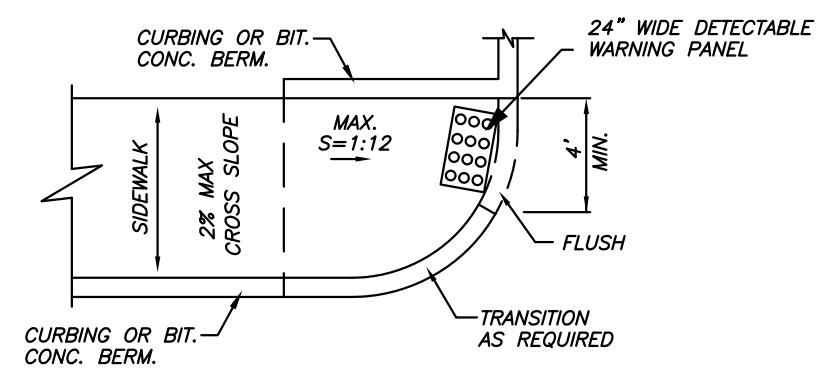
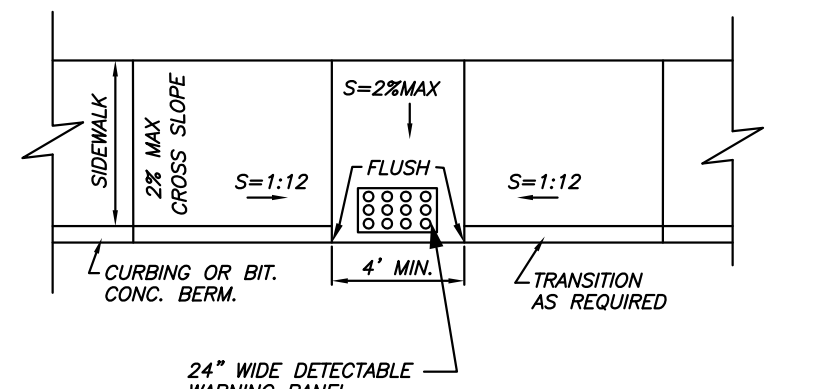
**REVISIONS**

#	DATE	DESCRIPTION	INIT

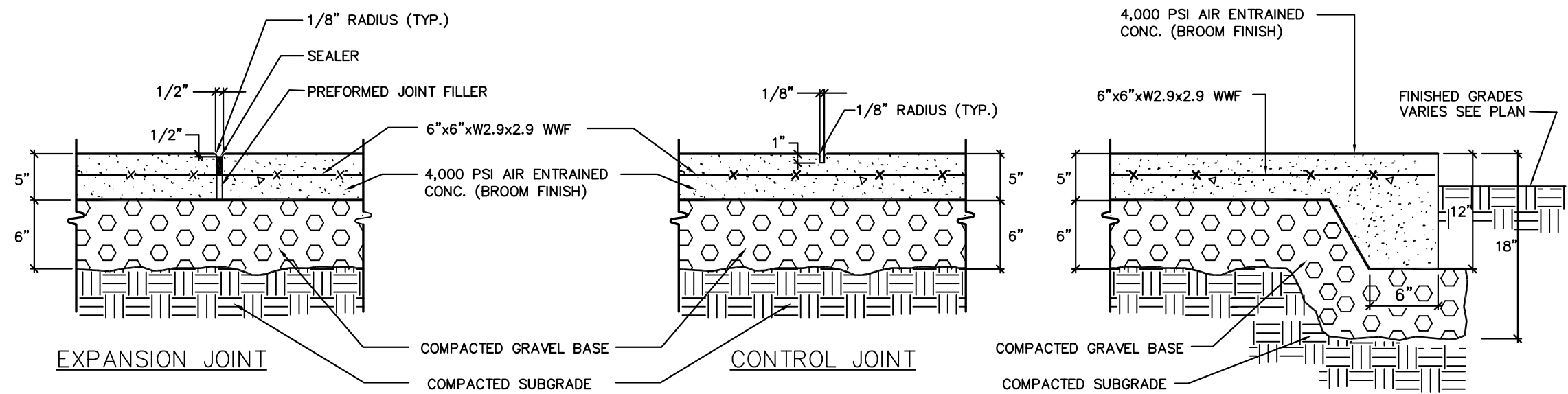
**JOB NO:**  
00047

**SHEET:**  
7 of 13

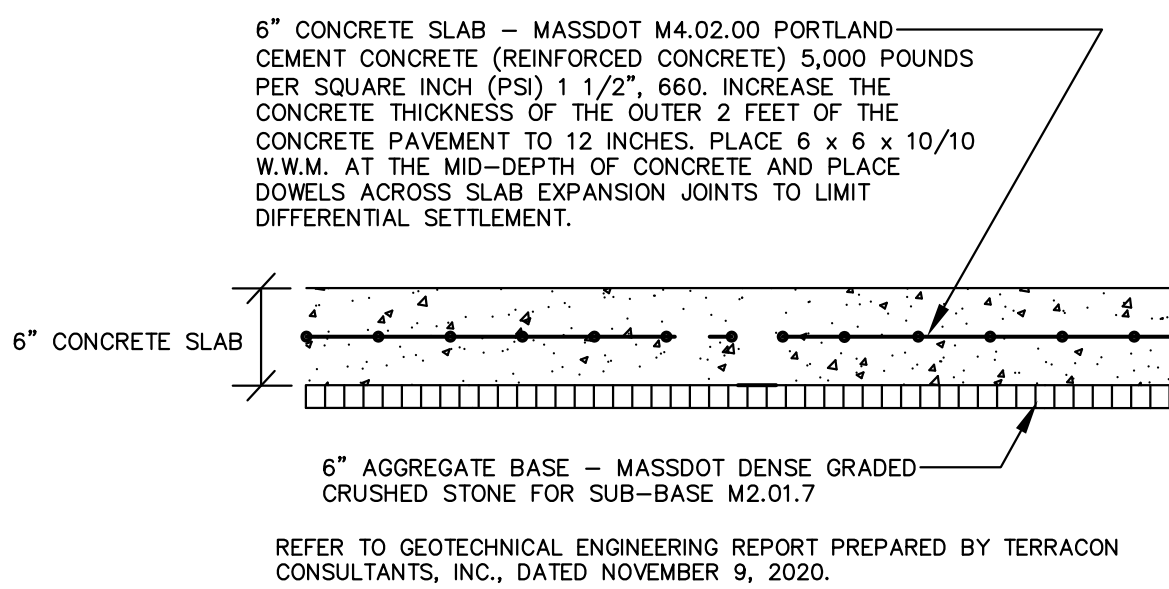




**TYPICAL SIDEWALK RAMPS**  
(NOT TO SCALE)



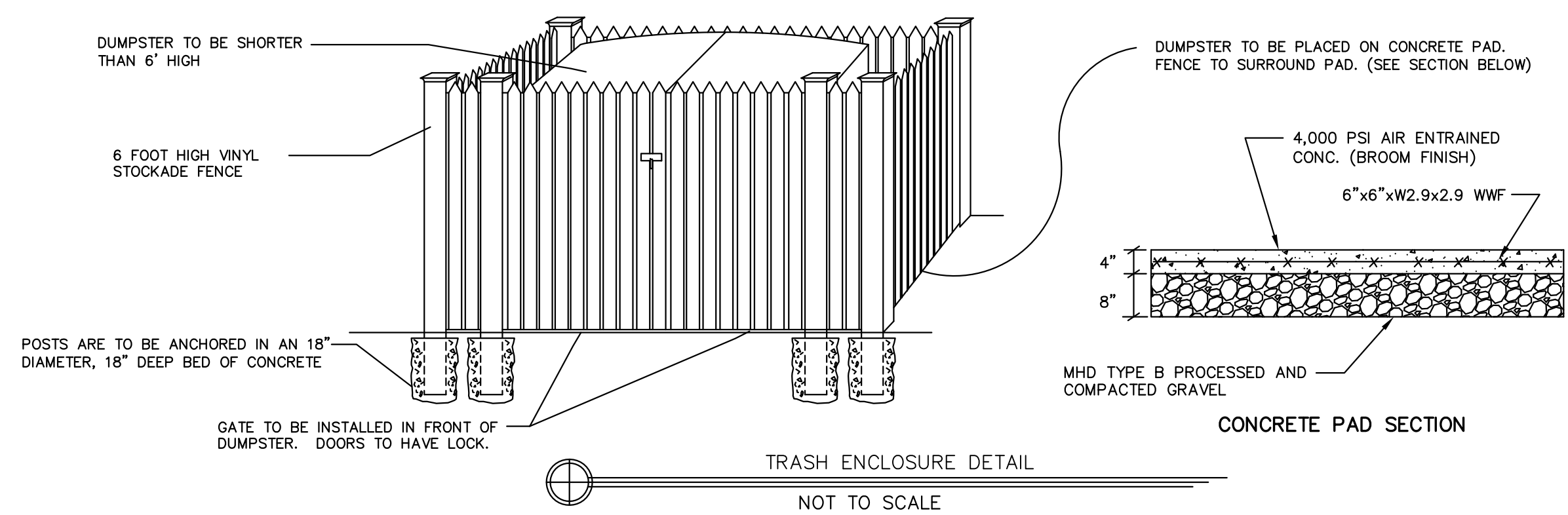
**CONCRETE WALK**  
(NOT TO SCALE)



**CONCRETE PAD FOR VEHICULAR TRAFFIC**  
(NOT TO SCALE)

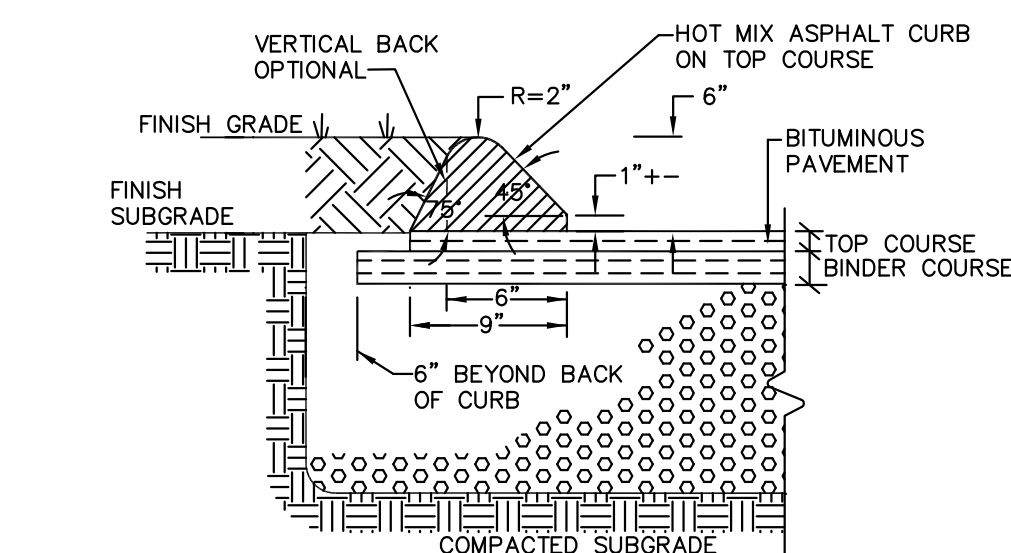
	STANDARD DUTY PARKING	HEAVY DUTY ACCESS & LOADING AREAS
MASSDOT TOP COURSE, M3.11.03 TABLE A	2"	2.5"
MASSDOT BINDER COURSE, M3.11.03 TABLE A	2"	3.5"
MASSDOT DENSE GRADED CRUSHED STONE FOR SUB-BASE, M2.01.7	6"	6"
MASSDOT GRAVEL BORROW, M1.03.0 TYPE B	10"	10"

**BITUMINOUS CONCRETE PAVEMENT SECTION**  
(NOT TO SCALE)

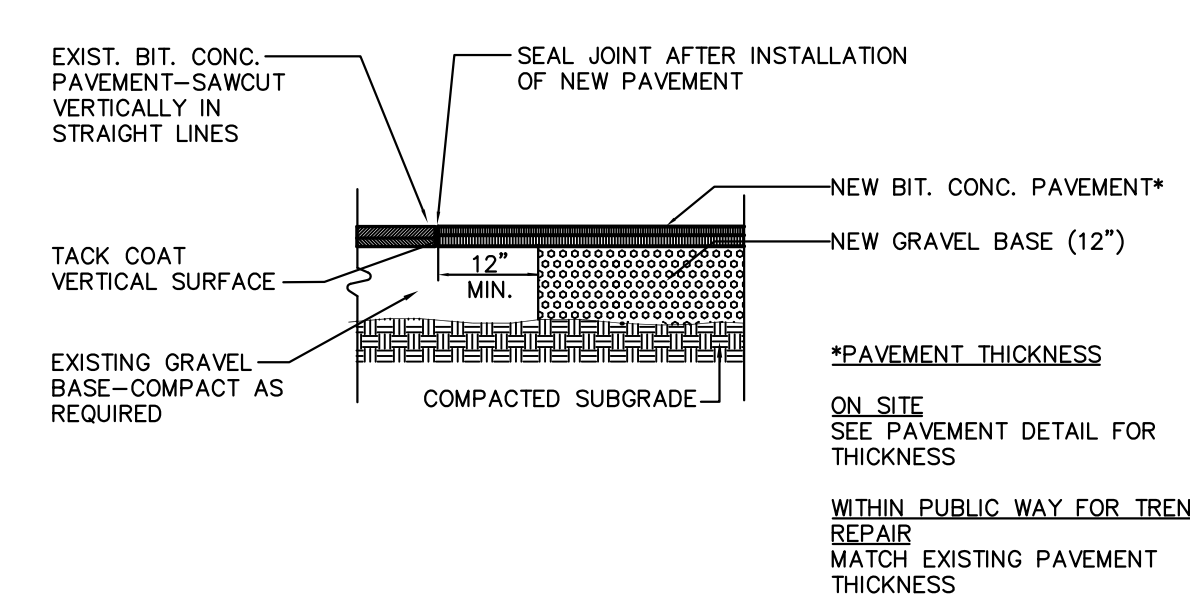


**TRASH ENCLOSURE DETAIL**

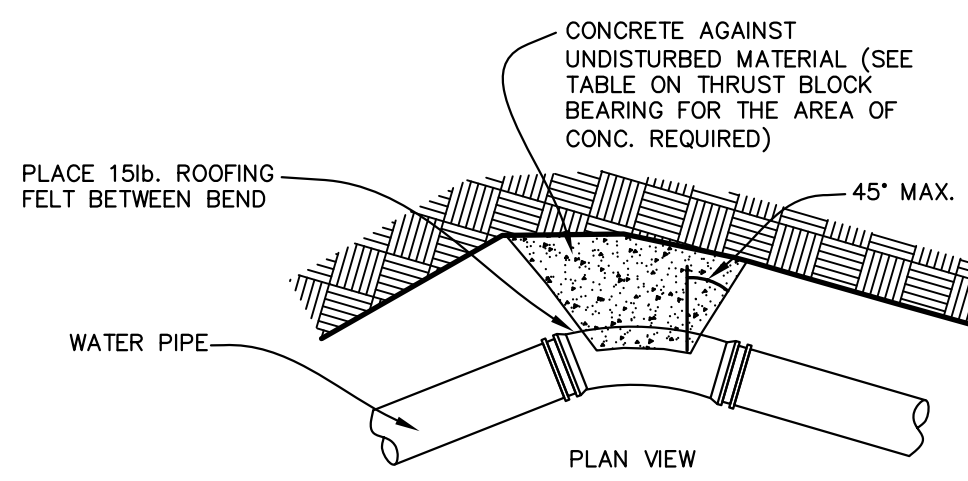
**CONCRETE PAD SECTION**



**MASSDOT TYPE 2 BITUMINOUS CONCRETE CURB**  
(NOT TO SCALE)



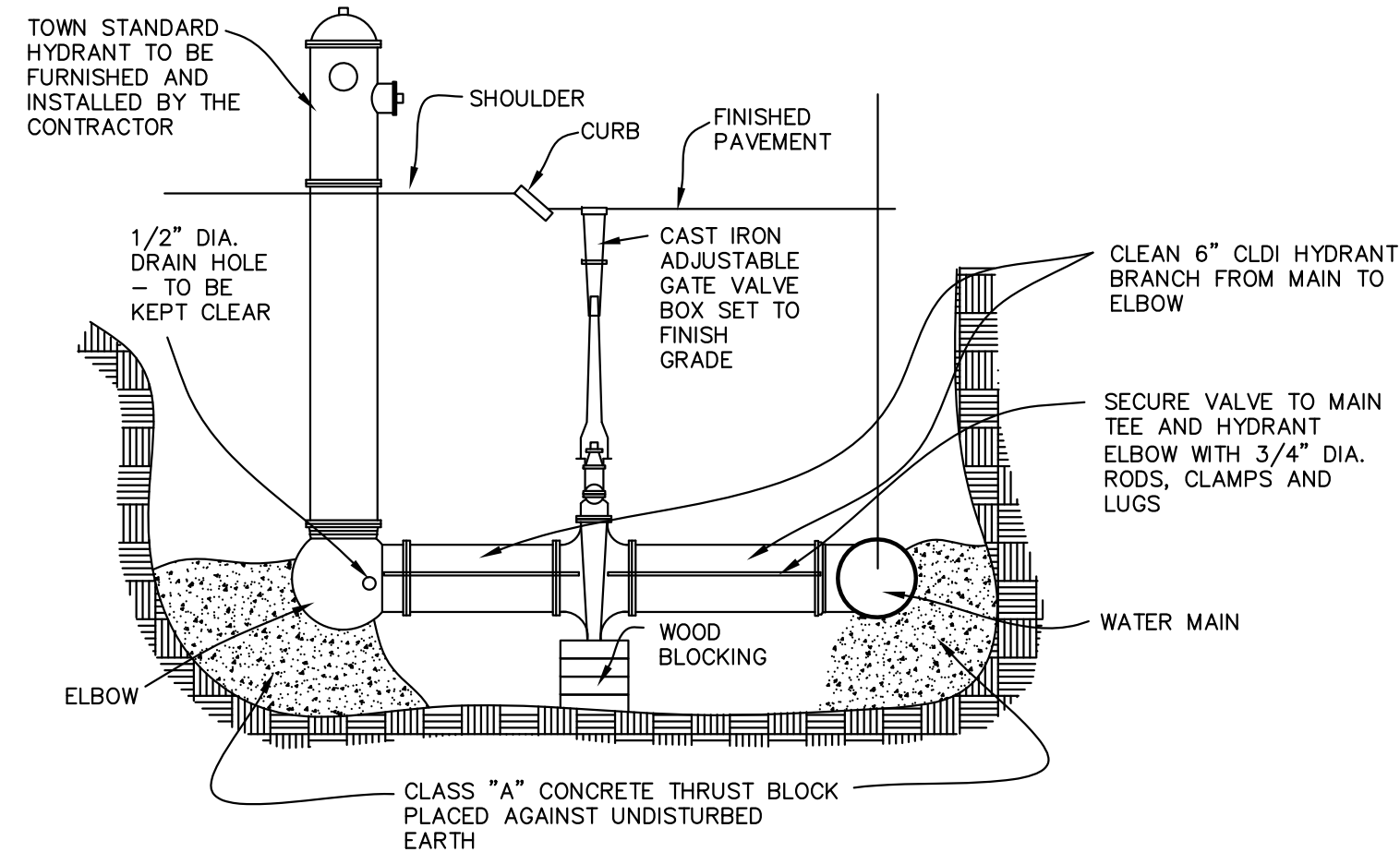
**PAVEMENT JOINTING**  
(NOT TO SCALE)



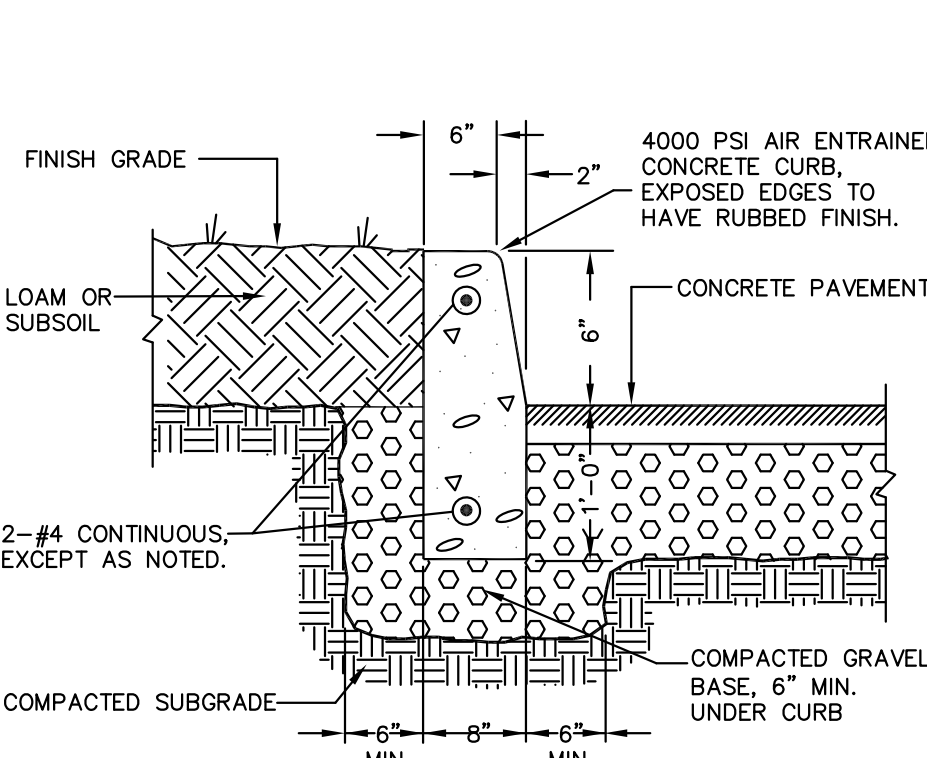
- \* THIS TABLE IS BASED ON A TYPE OF SOIL THAT IS MEDIUM CLAYEY 6 OR MORE BLOW/FT., OR LOOSE GRANULAR, 9 OR MORE BLOW/FT. SOIL CONDITIONS OTHER THAN THOSE GIVEN WILL REQUIRE LARGER BEARING AREAS.
- NOTES:
- FOR FITTINGS WITH LESS THAN 45° DEFLECTION USE BEARING AREAS FOR 45° BEND.
  - BEARING AREAS BASED ON HORIZONTAL PASSIVE SOIL PRESSURE OF 2000 PSI AND INTERNAL WATER PRESSURE OF 150 PSIG JOINTS SHALL NOT BE ENCASED IN CONCRETE. BEARING AREAS MAY BE DISREGARDED FOR TRENCHES IN ROCK WHERE THE TOP OF THE ROCK FACE IS AT OR ABOVE THE CROWN OF THE PIPE. HOWEVER, CONCRETE BACKING SHALL BE PLACED BETWEEN THE PIPE AND THE ROCK FACE.
  - THE CONTRACTOR SHALL SUBMIT 2 WEEKS IN ADVANCE OF PLACEMENT, WORKING DRAWINGS FOR EACH THRUST BLOCK TO THE WATER DEPARTMENT FOR APPROVAL PRIOR TO INSTALLATION.

**DUCTILE IRON WATER PIPE THRUST BLOCK**  
NOT TO SCALE

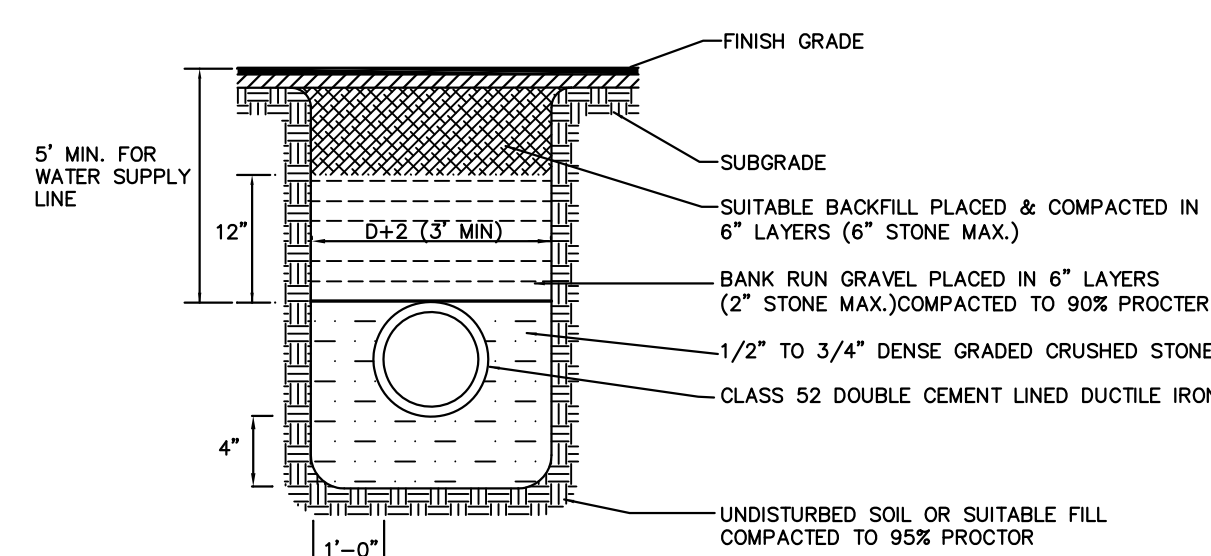
SIZE OF WATER MAIN IN INCHES	90° BEND	45° BEND
6"	4 SF	2 SF
8"	6 SF	3 SF
12"	12 SF	7 SF
16"	21 SF	12 SF



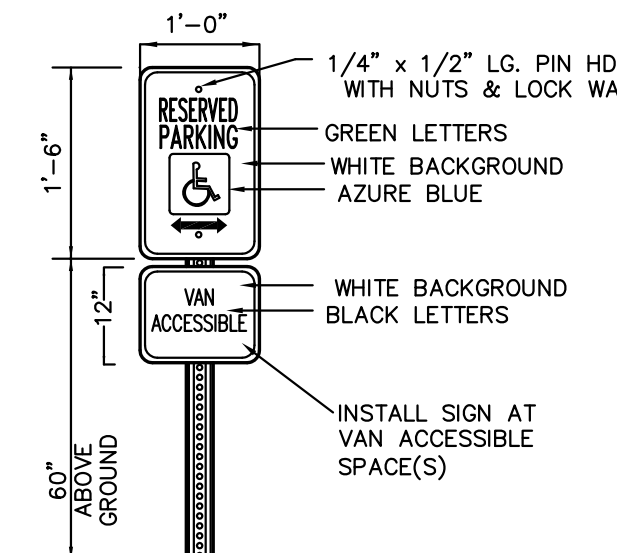
**FIRE HYDRANT**  
NOT TO SCALE



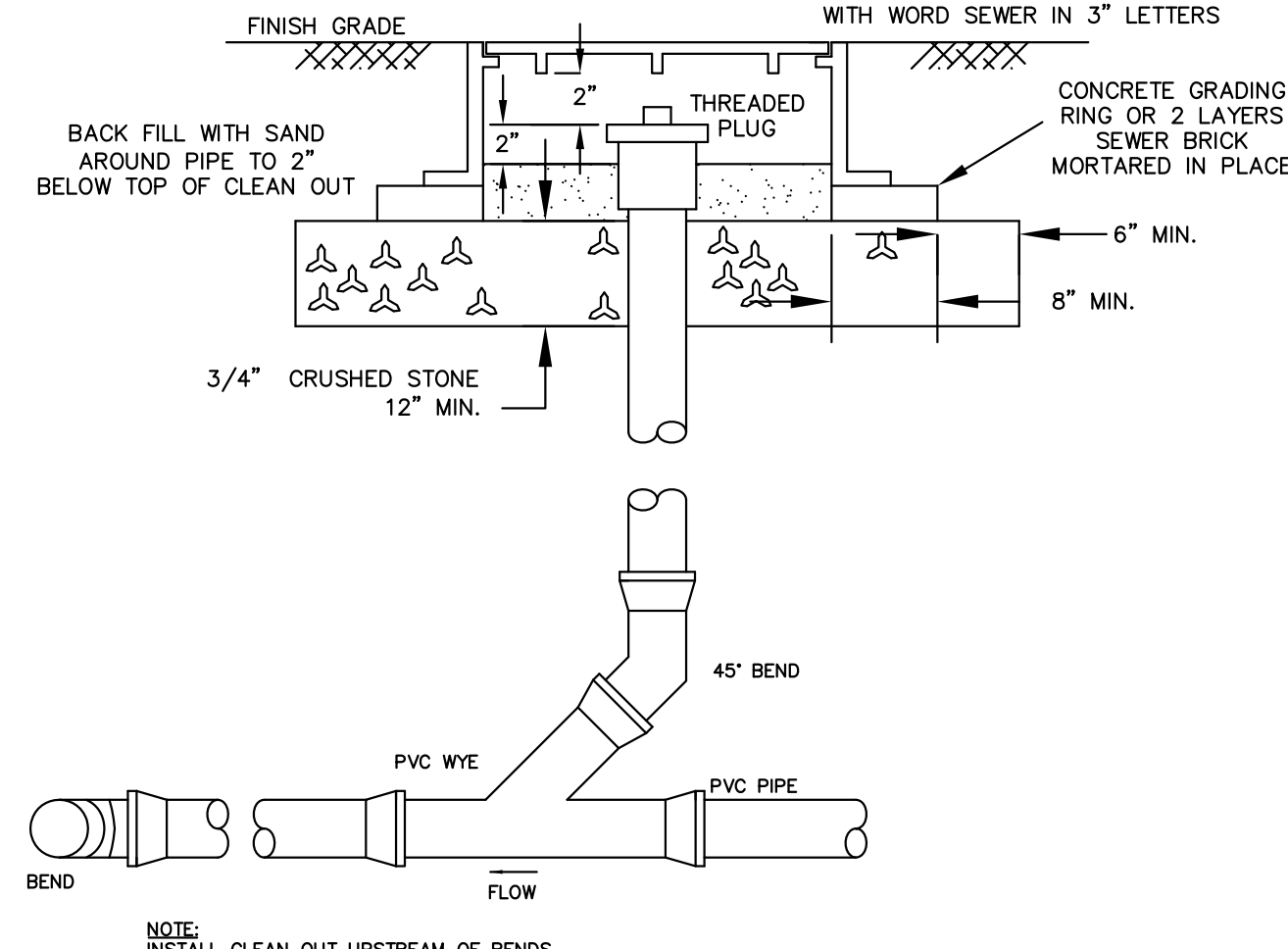
**TYPICAL PRECAST CONCRETE CURB**  
(NOT TO SCALE)



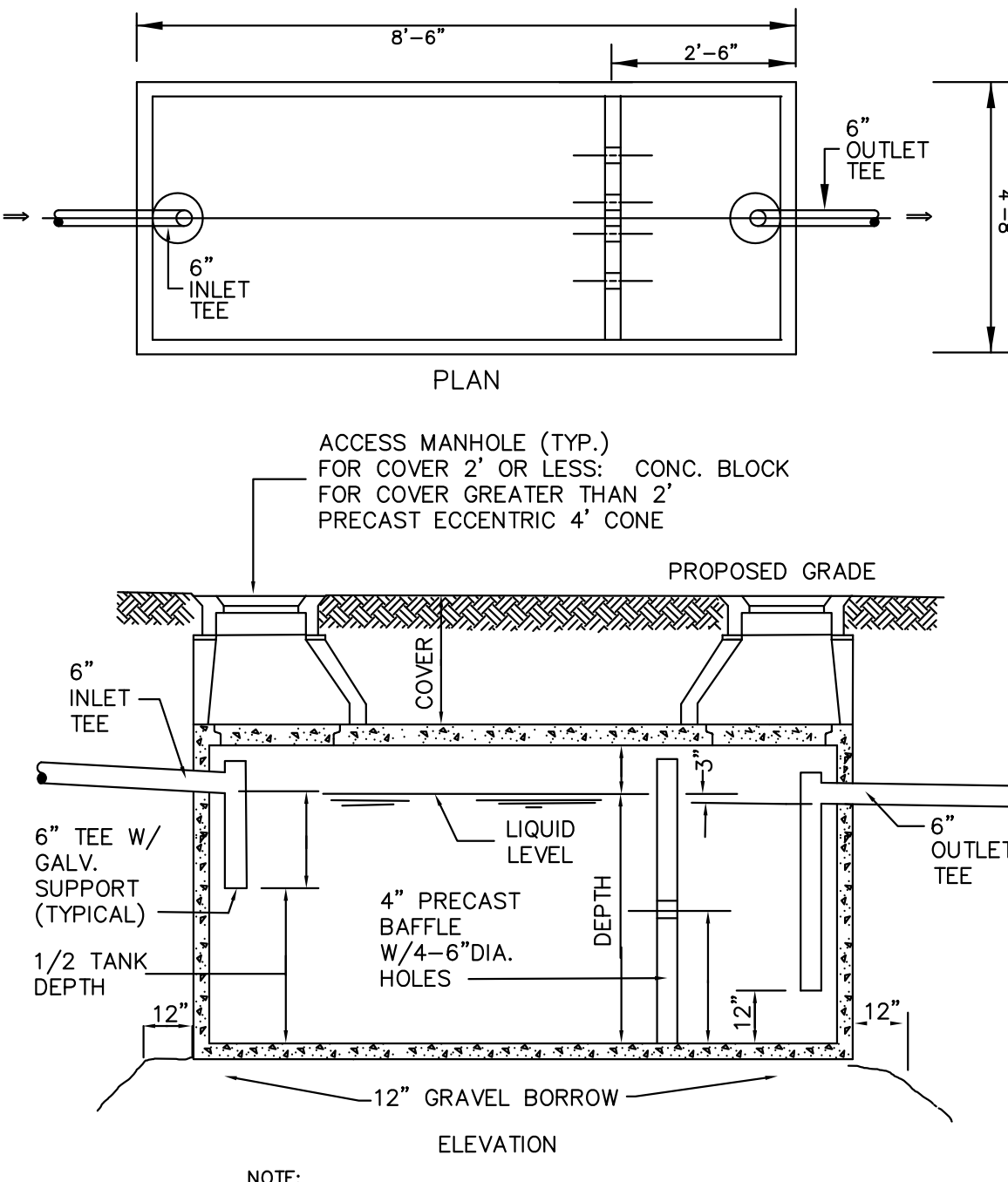
**DUCTILE IRON WATER PIPE TRENCH CROSS SECTION**  
(NOT TO SCALE)



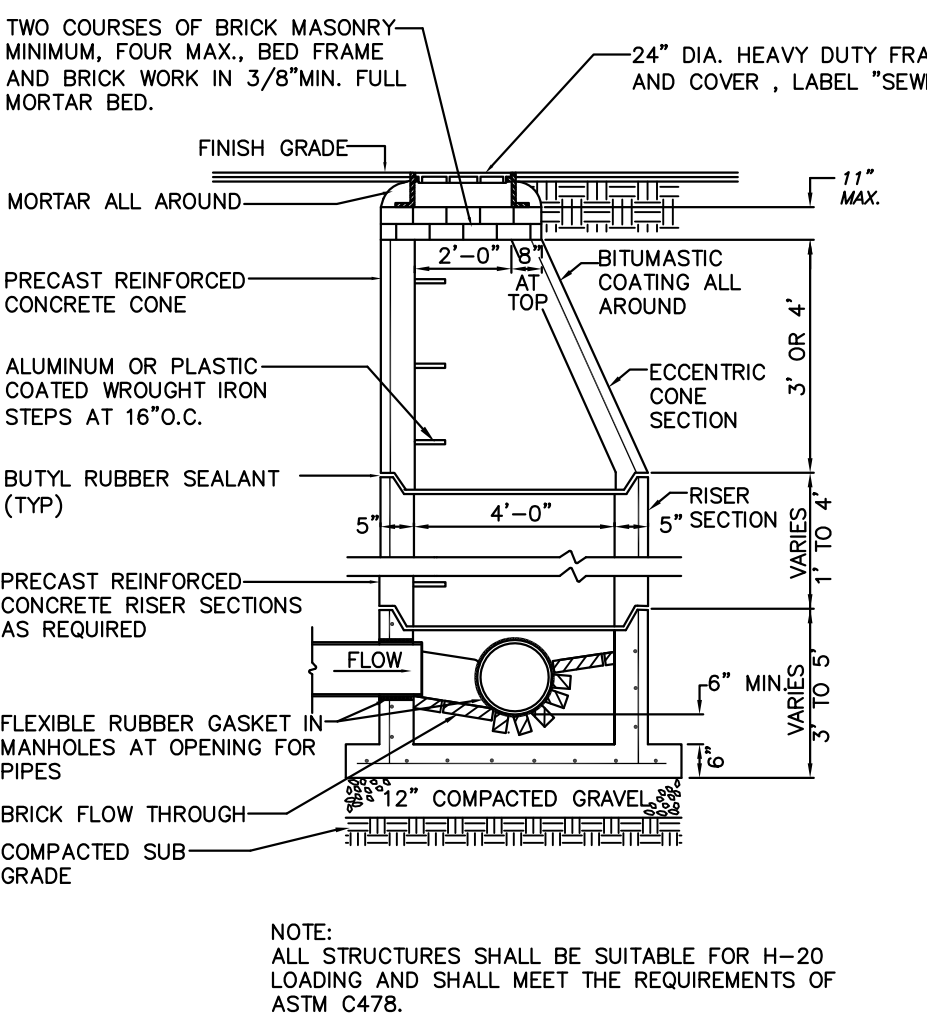
**HANDICAP PARKING SIGN**  
(NOT TO SCALE)



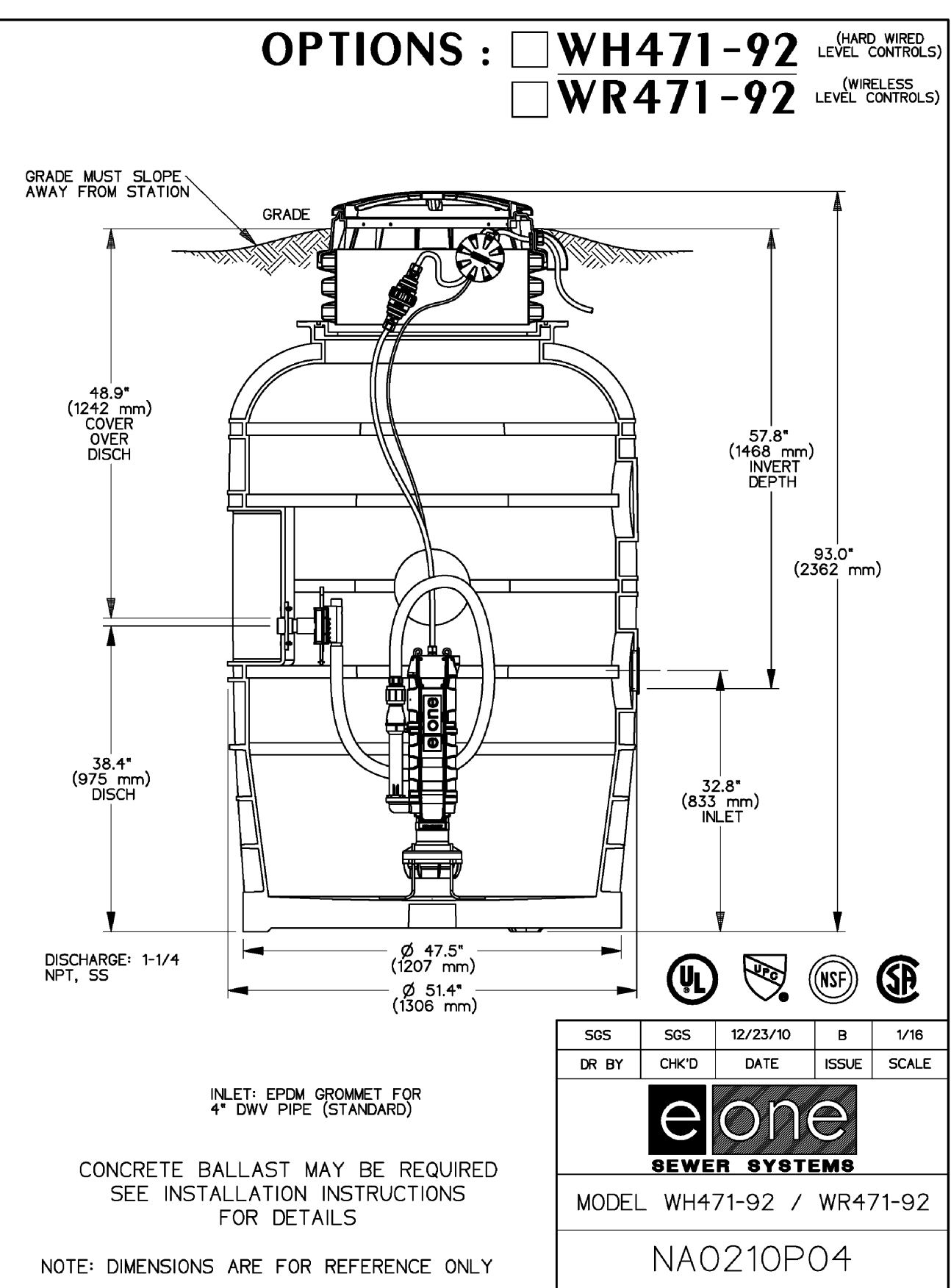
**SEWER CLEAN OUT**  
NOT TO SCALE



**1,000 GALLON GREASE TRAP**  
NOT TO SCALE



**PRE-CAST CONCRETE SEWER MANHOLE**  
NOT TO SCALE



**SEWER GRINDER PUMP STATION**  
NOT TO SCALE

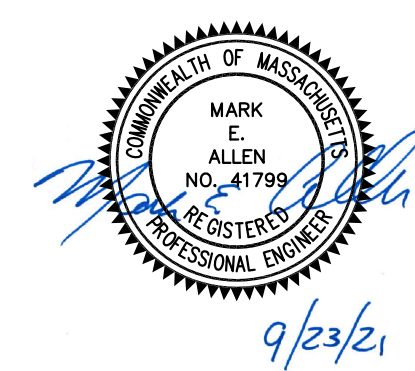
**LOCUS REFERENCES**  
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LAND COURT PLAN 40185-B, LOT 1  
2.83 Acres

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0 & #1605 MAIN STREET  
OWNER: LEICESTER MAIN, LLC  
DEED BOOK 41309, PAGE 153  
1.05 Acres

LOCUS LOTS ARE LOCATED WITHIN THE HIGHWAY BUSINESS-INDUSTRIAL 1 DISTRICT.

NOTES  
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- THIS SITE DOES NOT CONTAIN CERTIFIED VERNAL POOLS OR HABITATS OF RARE SPECIES ACCORDING TO THE MASSACHUSETTS NATURAL HERITAGE WEB SITE AS OF DECEMBER 2020.
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PROFESSIONAL ENGINEER

PREPARED FOR:  
Skaff Petroleum, Inc.  
334 Grafton Street,  
Worcester, MA 01604

TITLE:  
**CONSTRUCTION  
DETAIL PLAN**  
For  
#1603 - #1605 Main Street  
In  
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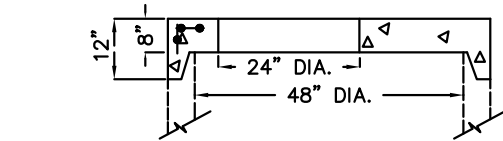
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DATE: September 23, 2021

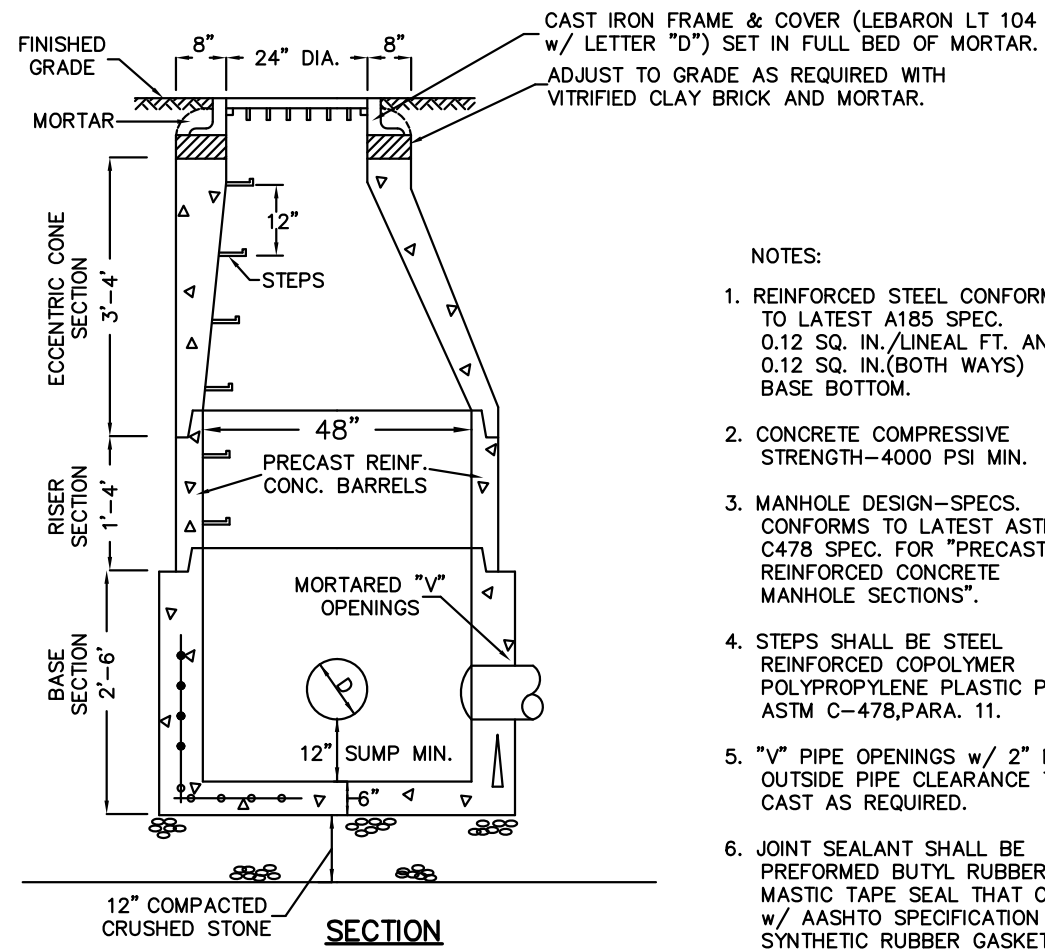
#	DATE	DESCRIPTION	INIT

JOB NO: 00047 SHEET: 8 of 13

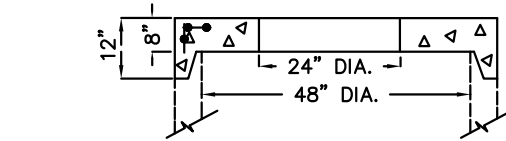




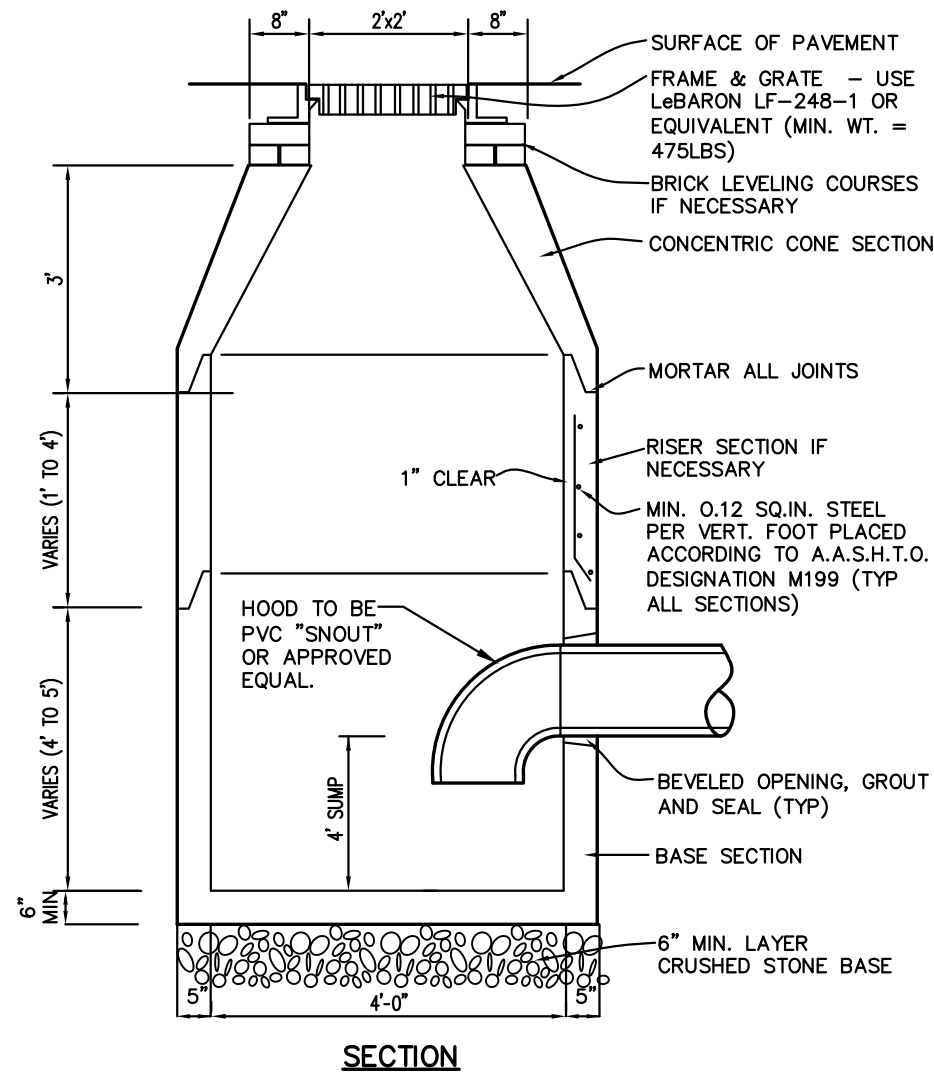
ALTERNATE TOP SLAB FOR SHALLOW CUT  
(STEEL REINFORCED FOR H-20 LOADING)



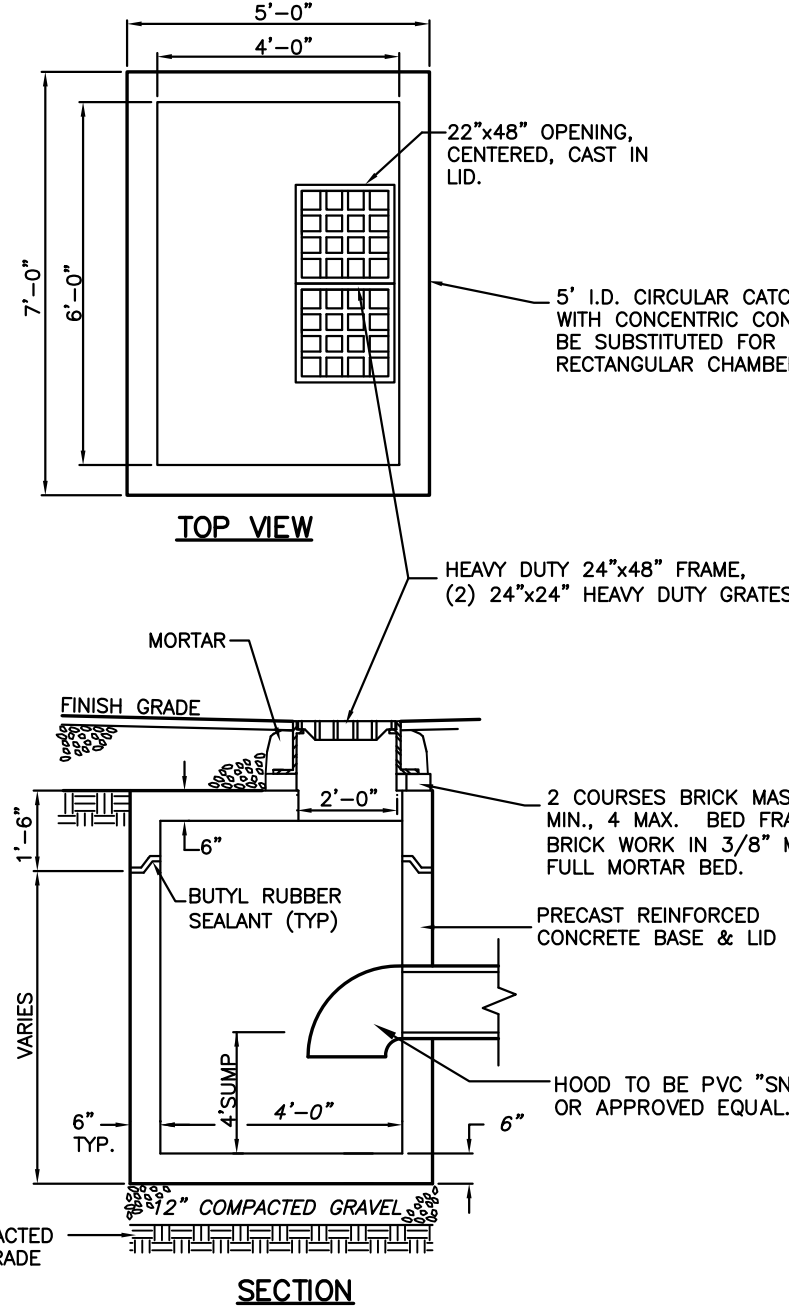
PRECAST CONCRETE DRAIN MANHOLE  
(NOT TO SCALE)



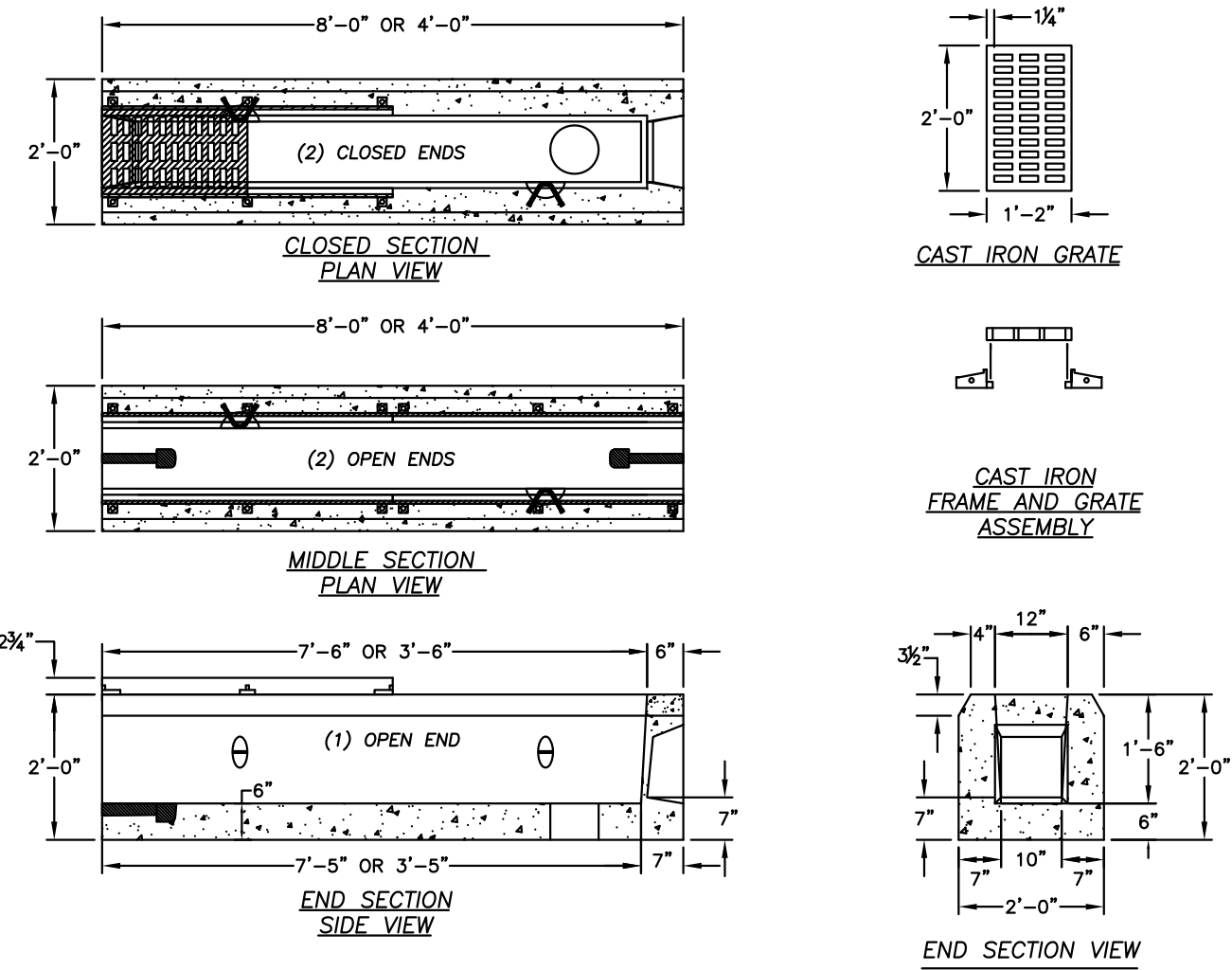
ALTERNATE TOP SLAB FOR SHALLOW CUT  
(STEEL REINFORCED FOR H-20 LOADING)



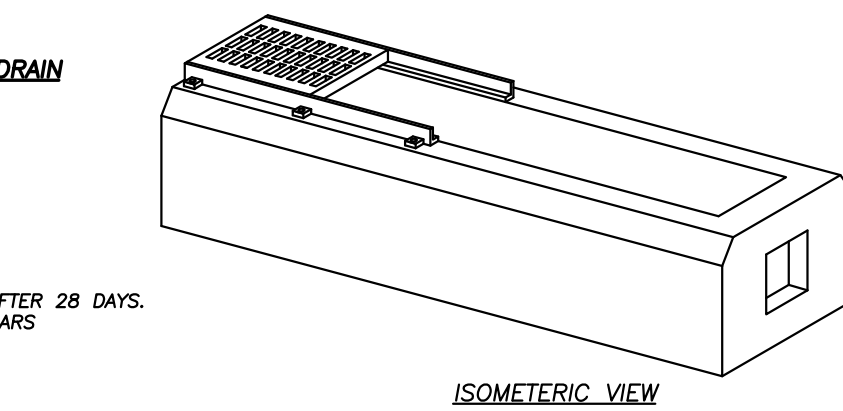
PRECAST CONCRETE CATCH BASIN  
(NOT TO SCALE)



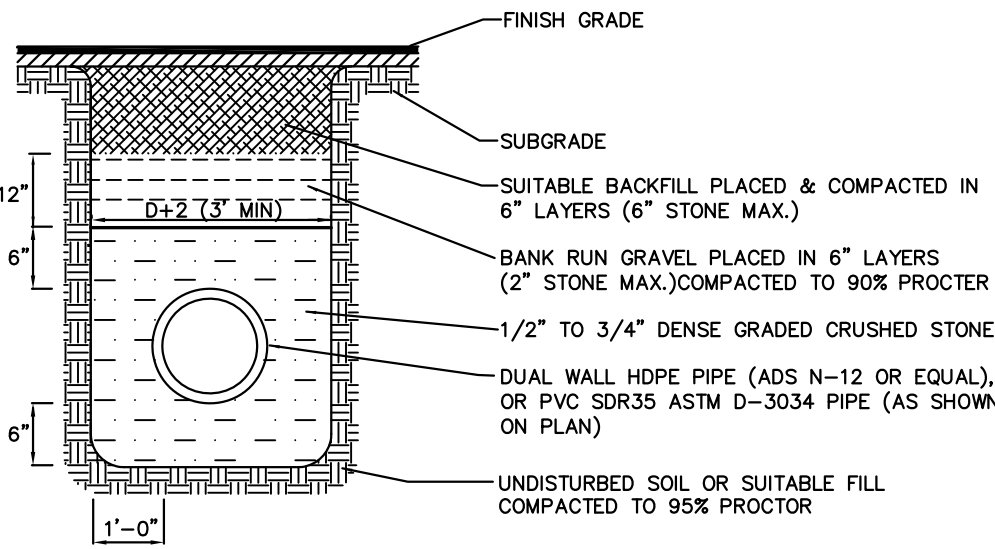
DOUBLE GRATE CATCH BASIN  
(NOT TO SCALE)



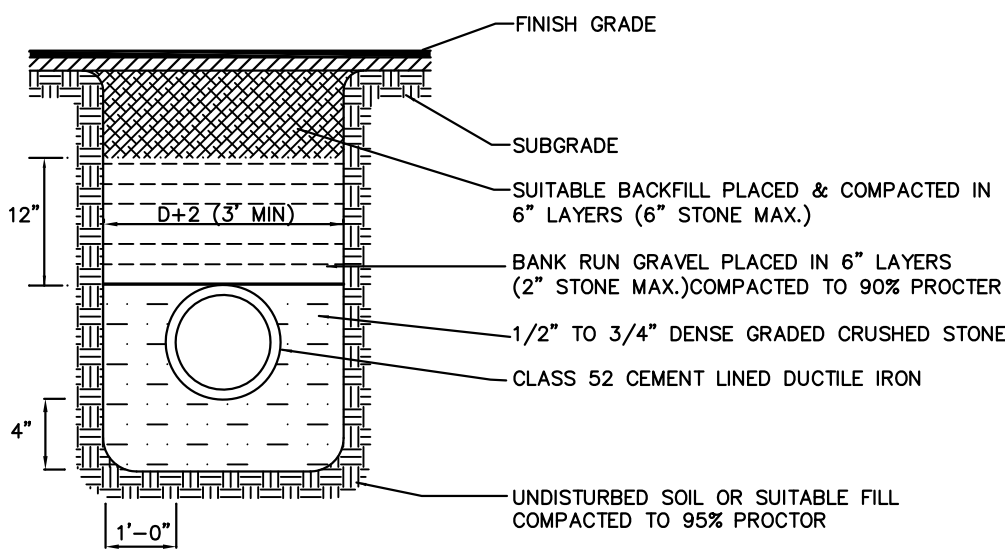
SHEA CONCRETE PRODUCTS 12" X 18" TRENCH DRAIN  
OR APPROVED EQUAL



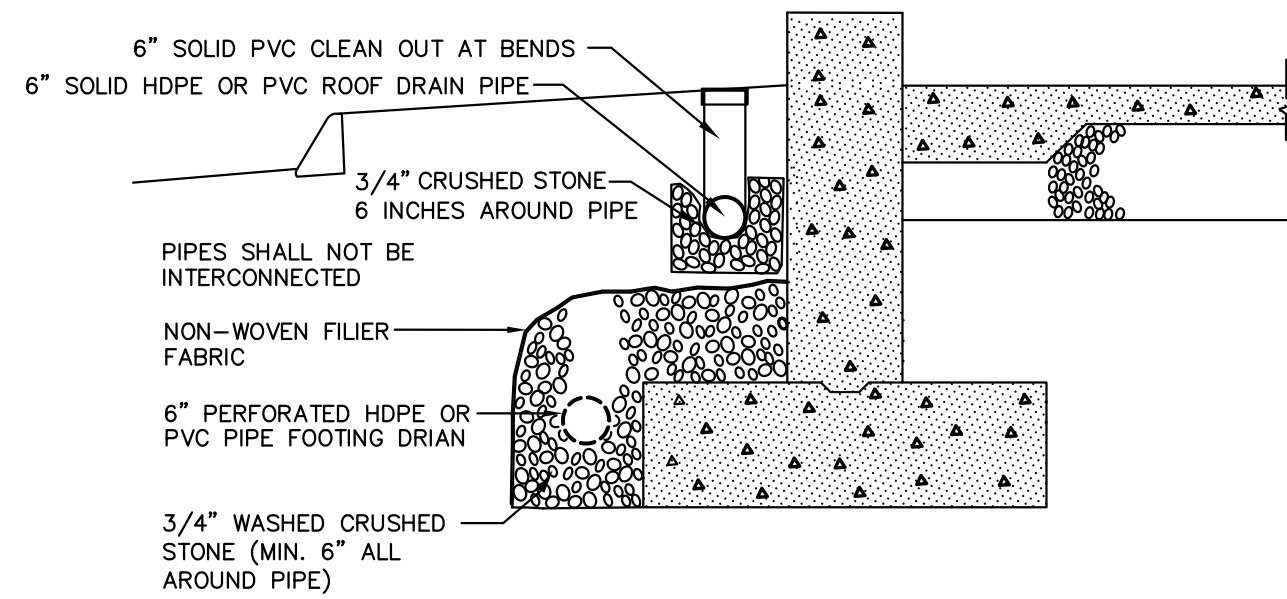
TRENCH DRAIN  
(NOT TO SCALE)



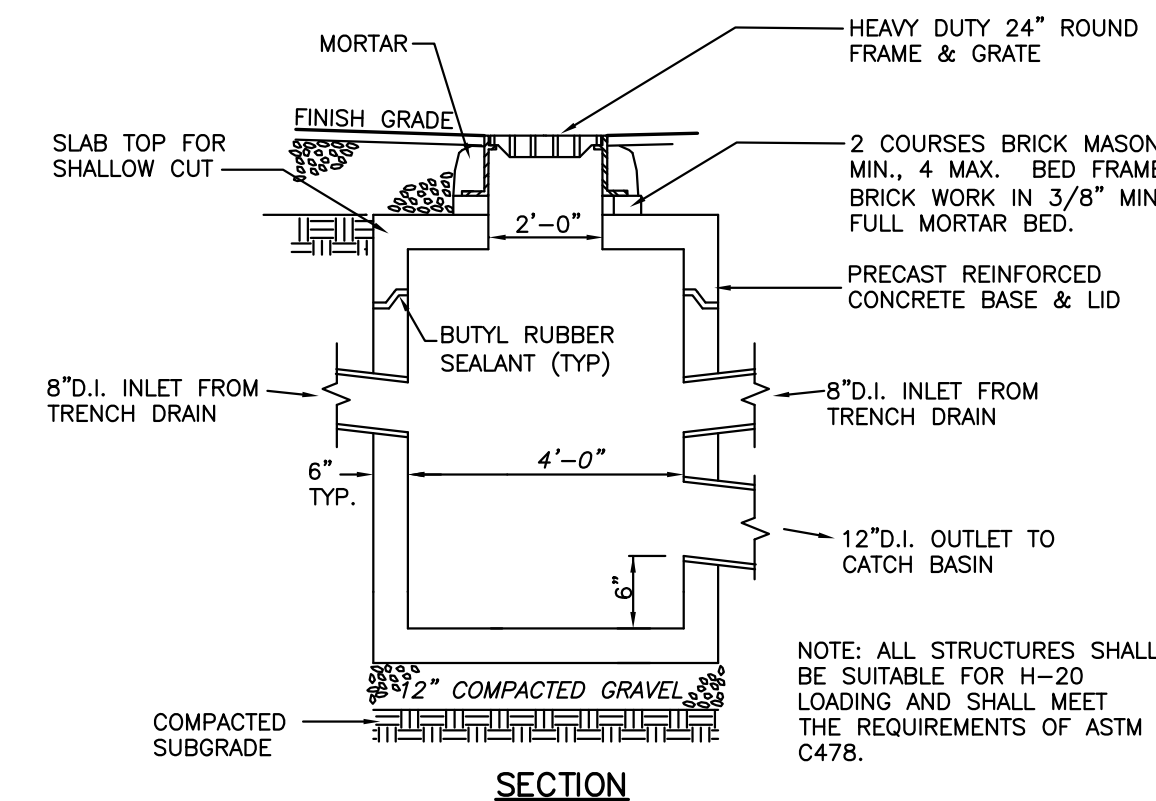
HDPE/PVC PIPE  
TRENCH CROSS SECTION  
(NOT TO SCALE)



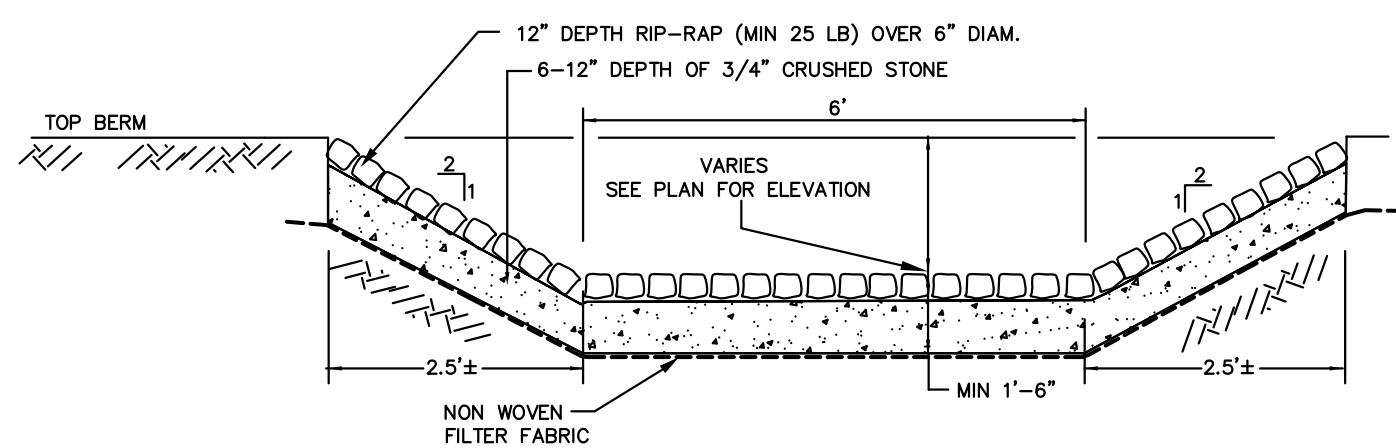
DUCTILE IRON DRAIN PIPE  
TRENCH CROSS SECTION  
(NOT TO SCALE)



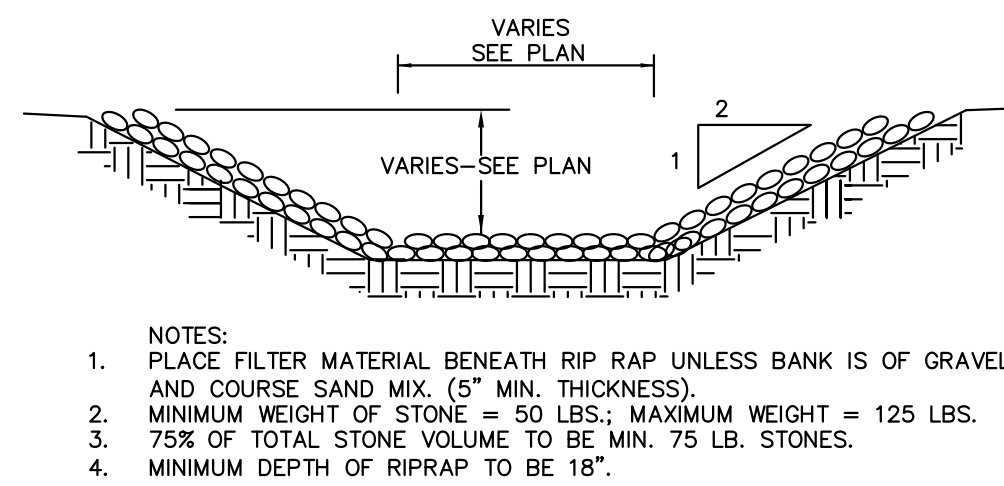
TYPICAL SECTION-ROOF DRAIN & FOOTING DRAIN  
(NOT TO SCALE)



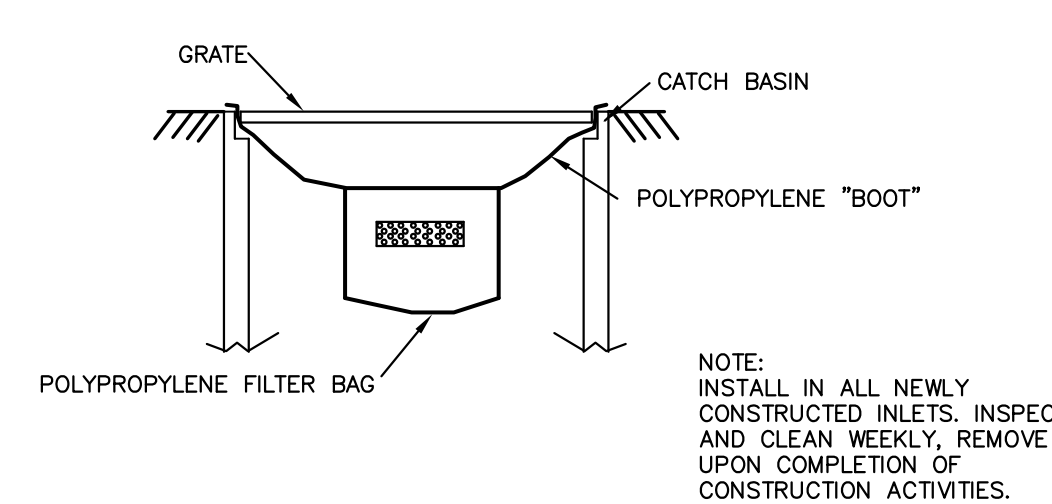
DROP INLET  
(NOT TO SCALE)



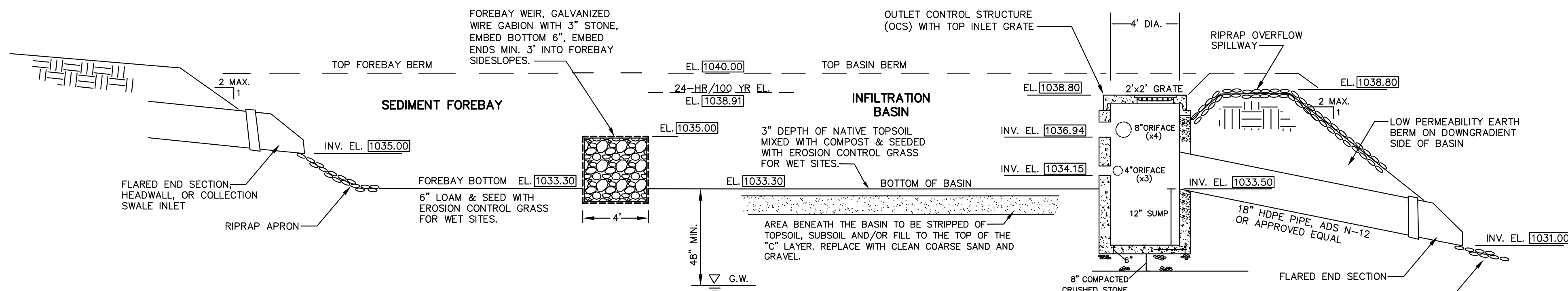
INFILTRATION BASIN  
RIPRAP OVERFLOW SPILLWAY  
(NOT TO SCALE)



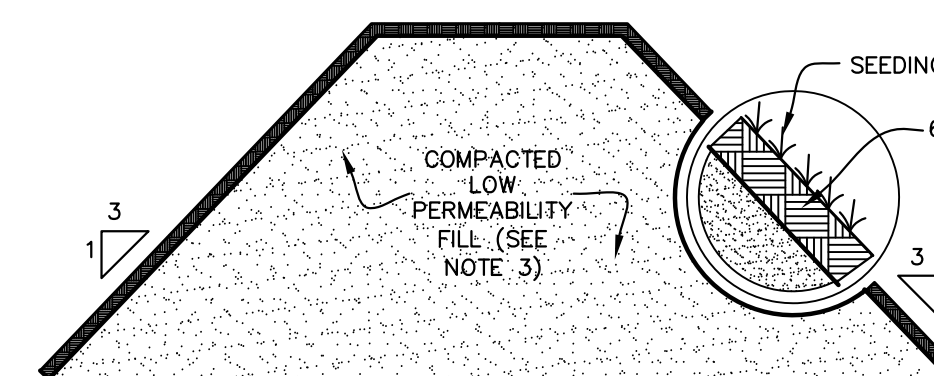
RIPRAP APRON  
FOR PIPE ENDS  
(NOT TO SCALE)



CATCH BASIN SEDIMENT  
FILTER INSERT  
(NOT TO SCALE)



STORMWATER SEDIMENT FOREBAY & INFILTRATION BASIN  
(NOT TO SCALE)



LOW PERMEABILITY EARTH BERM - SECTION  
NOT TO SCALE

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DEED BOOK 41309, PAGE 153  
1.05 Acres

LOCUS LOTS ARE LOCATED WITHIN THE  
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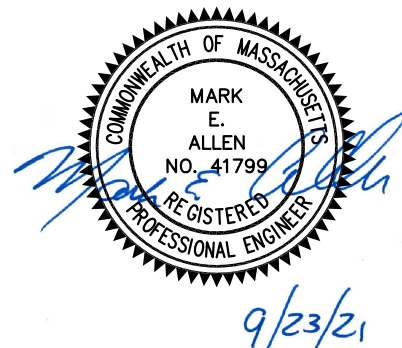
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TITLE:

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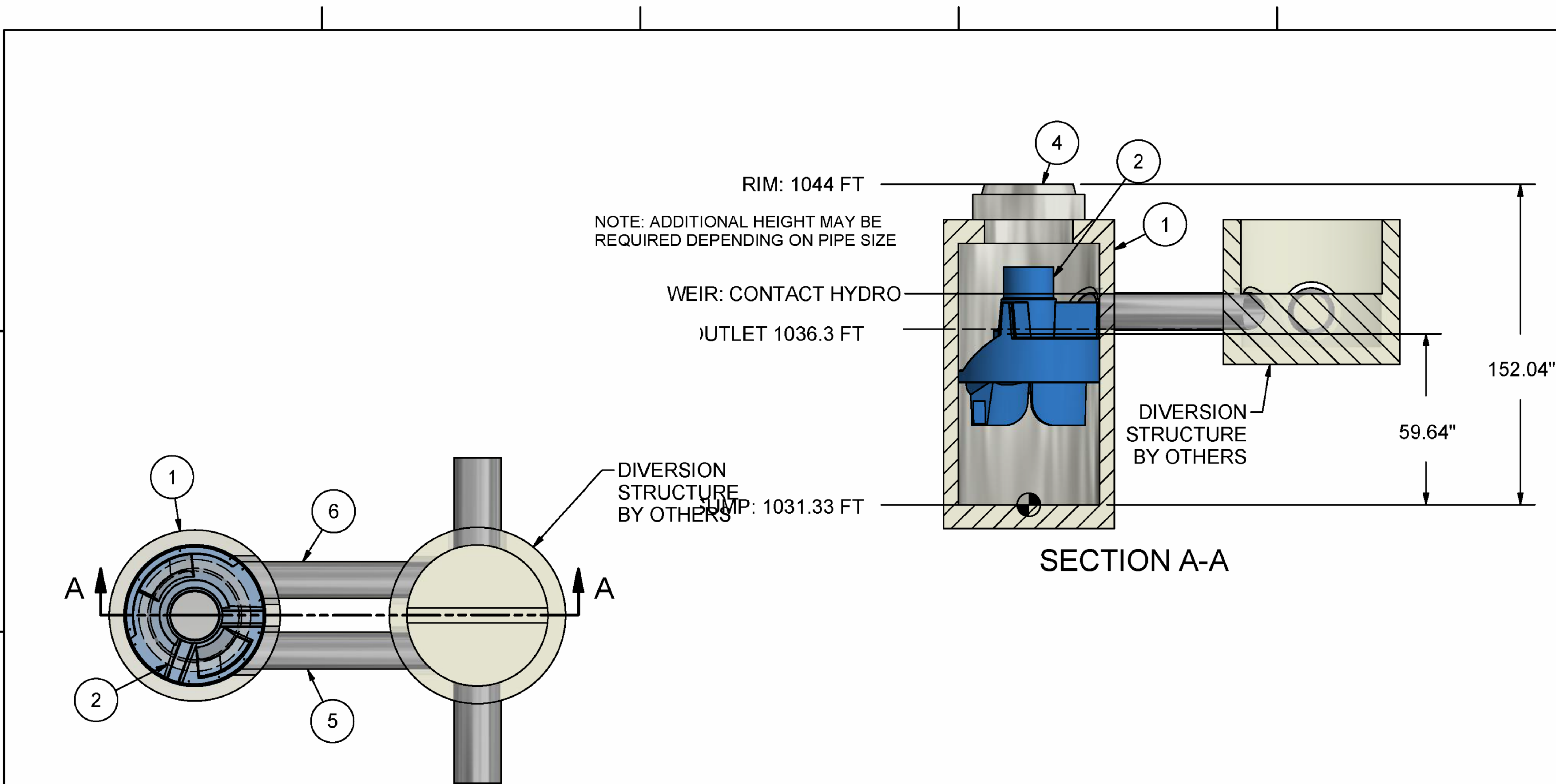
REVISIONS

#	DATE	DESCRIPTION	INIT

JOB NO:  
00047

SHEET:  
9 of 13





**CAPACITIES:**

1. PEAK HYDRAULIC FLOW: 17.89 cfs
2. SEDIMENT STORAGE CAPACITY: 0.7 yd3
3. OIL STORAGE CAPACITY: 191 gal
4. MAXIMUM INLET/OUTLET PIPE DIAMETERS: 24 in. (600 mm)
5. THE TREATMENT SYSTEM SHALL USE AN INDUCED VORTEX TO SEPARATE POLLUTANTS FROM STORMWATER RUNOFF.

**GENERAL NOTES :**

1. General Arrangement drawings only. Contact Hydro International for site specific drawings.
2. Inlet/outlet pipe angle can vary to align with drainage network (refer to project plans)
3. Peak flow rate and minimum height limited by available cover and pipe diameter.

ANY WARRANTY GIVEN BY HYDRO INTERNATIONAL WILL APPLY ONLY TO THOSE ITEMS SUPPLIED BY IT. ACCORDINGLY HYDRO INTERNATIONAL CANNOT ACCEPT ANY RESPONSIBILITY FOR ANY STRUCTURE, PLANT, OR EQUIPMENT, (OR THE PERFORMANCE THEREOF) DESIGNED, BUILT, MANUFACTURED, OR SUPPLIED BY ANY THIRD PARTY. HYDRO INTERNATIONAL HAVE A POLICY OF CONTINUOUS DEVELOPMENT AND RESERVE THE RIGHT TO AMEND THE SPECIFICATION. HYDRO INTERNATIONAL CANNOT ACCEPT LIABILITY FOR PERFORMANCE OF ITS EQUIPMENT, (OR ANY PART THEREOF), IF THE EQUIPMENT IS SUBJECT TO CONDITIONS OUTSIDE ANY DESIGN SPECIFICATION. HYDRO INTERNATIONAL OWNS THE COPYRIGHT OF THIS DRAWING, WHICH IS SUPPLIED IN CONFIDENCE. IT MUST NOT BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUPPLIED AND MUST NOT BE REPRODUCED, IN WHOLE OR IN PART, WITHOUT PRIOR PERMISSION IN WRITING FROM HYDRO INTERNATIONAL.



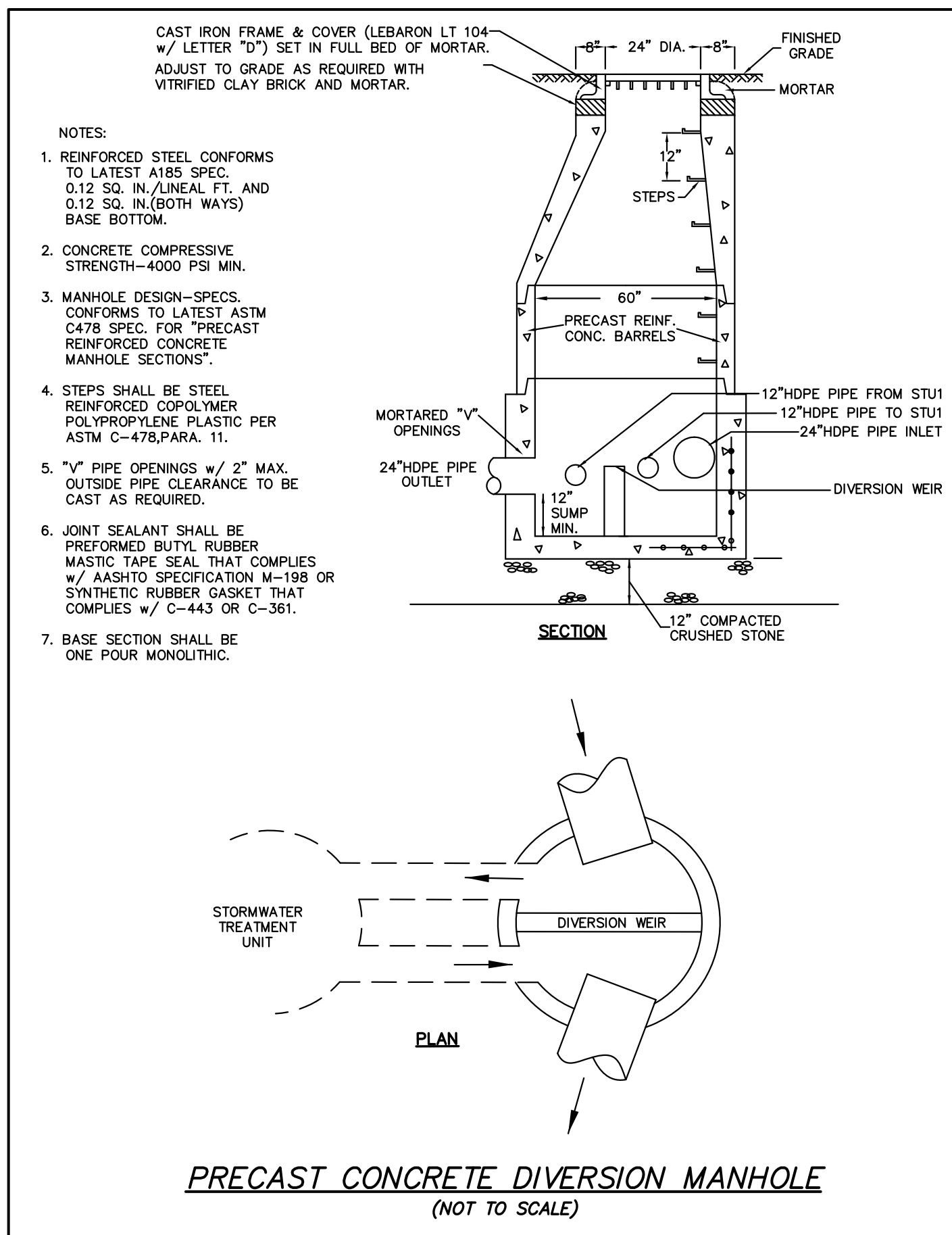
**HYDRO FRAME AND COVER (INCLUDED)**  
GRADE RINGS BY OTHERS  
AS REQUIRED

**NOTE:**

- NOT FOR CONSTRUCTION. CONTACT HYDRO FOR SITE SPECIFIC DETAIL.
- MAX PIPE SIZE MAY NOT BE POSSIBLE IN OFFLINE CONFIGURATION.

PARTS LIST		
ITEM	DESCRIPTION	SIZE (in)
1	I.D. PRECAST MANHOLE	48
2	INTERNAL COMPONENTS (PRE-INSTALLED)	
4	FRAME AND COVER (ROUND)	30
5	OUTLET PIPE(BY OTHERS)	12
6	INLET PIPE(BY OTHERS)	12

<b>PROJECTION</b>	
<b>IF IN DOUBT ASK</b>	
COMMENTS: 1. MANHOLE WALL AND SLAB THICKNESSES ARE NOT TO SCALE. 2. CONTRACTOR TO CONFIRM RIM, PIPE INVERTS, PIPE DIA. AND PIPE ORIENTATION PRIOR TO RELEASE OF UNIT TO FABRICATION.	
REVISION HISTORY	
REV	BY DESCRIPTION DATE
-	FIRST RELEASE
DATE: SCALE: NTS	
DRAWN BY: ER	CHECKED BY: APPROVED BY:
Title: 4 FT FIRST DEFENSE® HIGH CAPACITY	
Site: Leicester	
Structure No: STU1	
<b>Hydro International</b> hydro-int.com HYDRO INTERNATIONAL	
WEIGHT: N/A MATERIAL:	
REFERENCE NUMBER: 21_12_1395	
DRAWING NO.:	
SHEET SIZE: B	SHEET: 1 OF 1 Rev: -
Bruce@Allen-EA.com 4/5/2021	



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2. ELEVATIONS REFER TO NAD 88 VERTICAL DATUM.  
3. THE SITE FALLS WITHIN A FLOOD ZONE X (AREA OF MINIMAL FLOOD HAZARD) ACCORDING TO FLOOD INSURANCE RATE MAP PANEL NUMBER 25027C0780E.  
4. THIS SITE DOES NOT CONTAIN CERTIFIED VERNAL POOLS OR HABITATS OF RARE SPECIES ACCORDING TO THE MASSACHUSETTS NATURAL HERITAGE WEB SITE AS OF DECEMBER 2020.  
5. EXISTING UTILITY LINES SHOWN ON THESE DRAWINGS ARE BASED ON AVAILABLE RECORD INFORMATION OF UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE ONLY. EXISTING UTILITY LINES OTHER THAN THOSE SHOWN MAY BE ON THE SITE. CALL "DIG SAFE" AT 811.  
6. THERE SHALL BE NO USE OF FILL CONTAINING HAZARDOUS MATERIALS.  
7. APPLICANT SHALL PROVIDE CONSTRUCTION DRAWINGS FOR UNDERGROUND STORAGE TANKS WITH APPLICATION FOR BUILDING PERMIT. DEPTH OF LEDGE/REFUSAL TO BE DETERMINED PRIOR TO DESIGN.

9/23/21



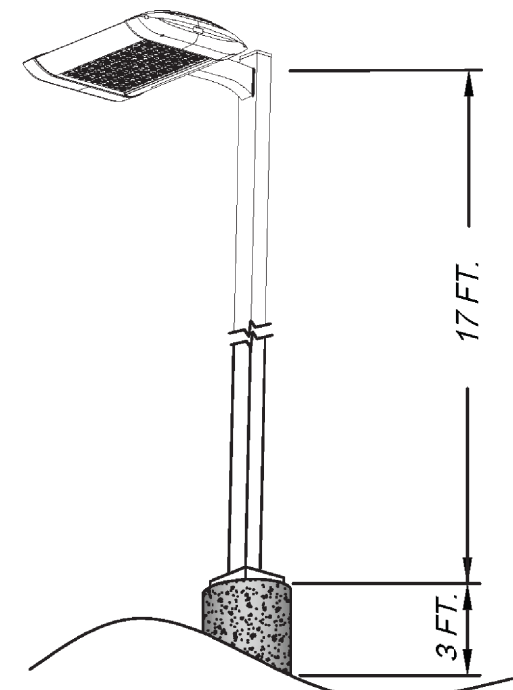
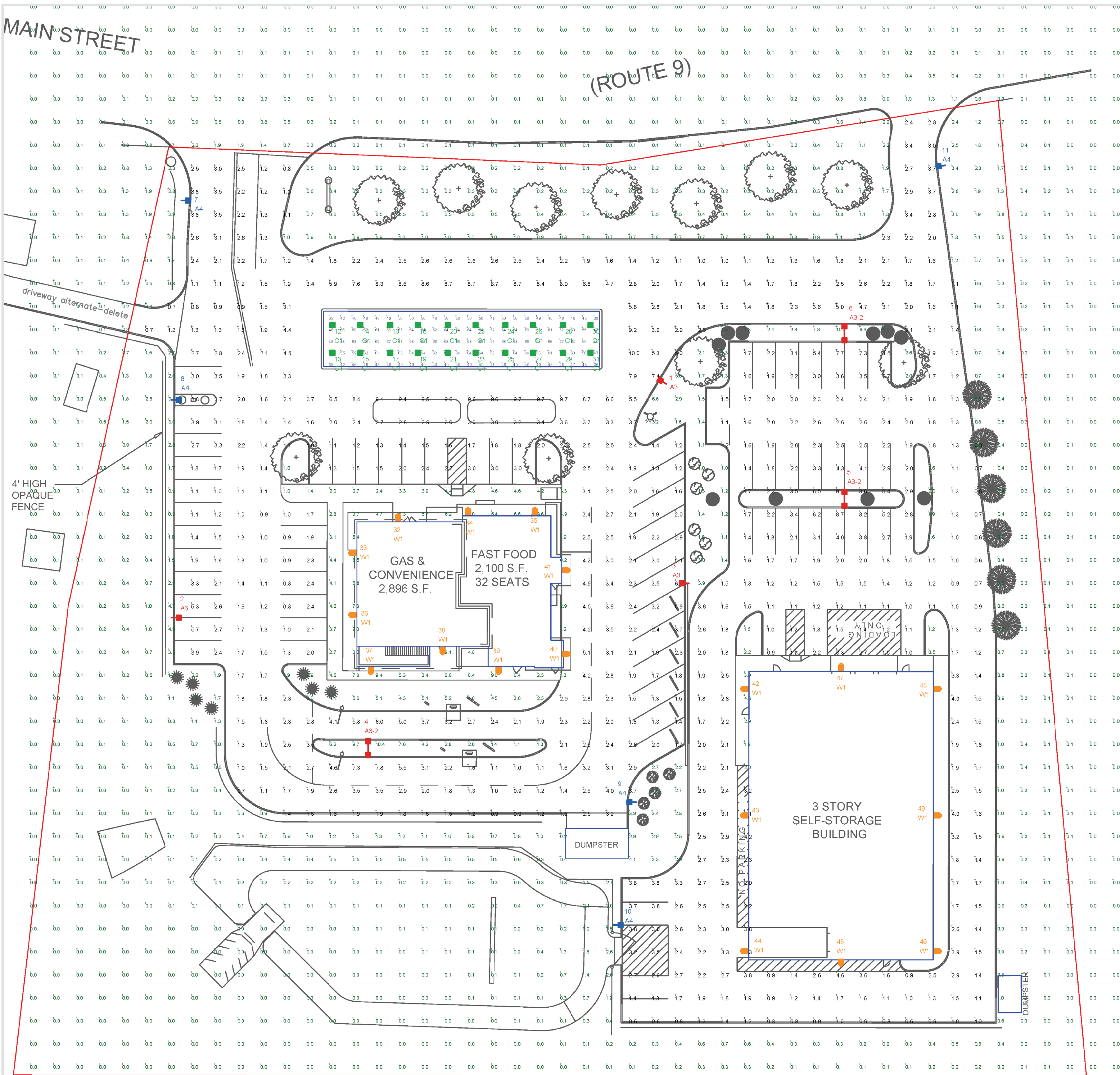
PROFESSIONAL ENGINEER  
PREPARED FOR:  
Skaff Petroleum, Inc.  
334 Grafton Street,  
Worcester, MA 01604  
  
TITLE:  
CONSTRUCTION  
DETAIL PLAN  
For  
#1603 - #1605 Main Street  
In  
Leicester, MA

PREPARED BY:  
  
**ALLEN ENGINEERING & ASSOCIATES, INC.**  
Civil Engineers • Surveyors  
Land Development Consultants  
One Charlesview Road  
Suite 2  
Hopedale, Ma 01747  
(508) 381-3212 • Phone  
www.allenrea.com

SCALE: AS NOTED  
DATE: September 23, 2021  
REVISIONS  
# DATE DESCRIPTION INIT  
JOB NO: 00047 SHEET: 10 of 13








M:\PROJECTS\00047\dwg\00047 SITE PLAN 09-23-21.dwg, 9/22/2021 4:15:02 PM



NOTE:  
- ALL AREA LIGHTS ON NEW 17 FT. POLES MOUNTED ON 3 FT. CONCRETE BASES

FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES					
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN
CANOPY	56.03	68	35	1.60	1.94
PAVED	2.54	10.0	0.6	4.23	16.67
UNDEFINED	0.60	10.4	0.0	N.A.	N.A.

LUMINAIRE LOCATION SUMMARY		
LUM NO.	LABEL	MTG. HT.
1	A3	20
2	A3	20
3	A3	20
4	A3-2	20
5	A3-2	20
6	A3-2	20
7	A4	20
8	A4	20
9	A4	20
10	A4	20
11	A4	20
12	C1	15
13	C1	15
14	C1	15
15	C1	15
16	C1	15
17	C1	15
18	C1	15
19	C1	15
20	C1	15
21	C1	15
22	C1	15
23	C1	15
24	C1	15
25	C1	15
26	C1	15
27	C1	15
28	C1	15
29	C1	15
30	C1	15
31	C1	15
32	W1	12
33	W1	12
34	W1	12
35	W1	12
36	W1	12
37	W1	12
38	W1	12
39	W1	12
40	W1	12
41	W1	12
42	W1	15
43	W1	15
44	W1	15
45	W1	15
46	W1	15
47	W1	15
48	W1	15
49	W1	15

LUMINAIRE SCHEDULE										
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	CATALOG LOGIC
	3	A3	SINGLE	11175	1.030	B2-U0-G2	72	216	Cree Lighting	OSQ-ML-B-XX-XX + OSQM-B-11L-57K7-3M-UL-NM-XX
	3	A3-2	D180	11175	1.030	B2-U0-G2	72	432	Cree Lighting	OSQ-ML-B-XX-XX + OSQM-B-11L-57K7-3M-UL-NM-XX
	5	A4	SINGLE	11174	1.030	B2-U0-G2	72	360	Cree Inc	OSQ-ML-B-XX-XX + OSQM-B-11L-57K7-4M-UL-NM-XX
	20	C1	SINGLE	12516	1.030	B3-U0-G1	91.19	1823.8	Cree Lighting	CPY250-B-DM-F-13L-UL-XX-57K
	18	W1	SINGLE	4270	1.030	B1-U0-G1	31	558	Cree Inc	XSPW-B-WM-3ME-4L-57K-UL-XX

DISCLAIMER

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

SCALE:  
1" = 30'  
LAYOUT BY:  
LMP  
DWG SIZE:  
D  
DATE:  
04/30/21

PROJECT NAME:  
**MOBIL/BURGER KING  
LEICESTER, MA**  
DRAWING NUMBER:  
**RL-7353-S1-R1**



**RED LEONARD  
ASSOCIATES**  
1340 Kemper Meadow Dr, Forest Park, OH 45240  
513-674-9600 | redleonard.com

REV.	BY	DATE	DESCRIPTION
R1	LMP	08/19/21	REVISED TO INCLUDE SELF STORAGE PARKING

LIGHTING  
PHOTOMETRIC PLAN

JOB NO:  
00047  
SHEET:  
11 of 13



AREA	QTY	LABEL	DESCRIPTION
	3	A3	OSQ-ML-B-XX-XX + OSQM-B-1L-57K7-3M-UL-NM-XX
	3	A3-2	OSQ-ML-B-XX-XX + OSQM-B-1L-57K7-3M-UL-NM-XX
	6	A4	OSQ-ML-B-XX-XX + OSQM-B-1L-57K7-4M-UL-NM-XX

## OSQ Series

OSQ™ LED Area/Flood Luminaire featuring Dree TrueWhite™ Technology - Medium & Large

**Product Description**  
The OSQ™ Area/Flood luminaire displays extreme optical control, advanced thermal management and features, such as wireless, built-in timer, and mounting options for easy installation. The lightweight LED driver component, Versatile mounting configurations offer simple installation. The rugged lightweight aluminum housing and mounting base are designed for installation over standard single gang 3-Bores and must ring single gang 3-Bores. The luminaire allows for through-wire or conduit entry from the top, bottom, side and rear. The housing design is intended specifically for LED technology including a weatherlight LED driver component and thermal management. Optic design features industry leading Nanosight® Precision Delivery Optic™ system in multiple distributions.

**Applications:** Parking lots, walkways, campuses, car dealerships, office complexes, tunnels, intersections, and entrance walkways.

## Performance Summary

Utilizes Dree TrueWhite™ Technology on 5000K Luminaire

Standard 5000K Precision Delivery Optic™

Assembled in the U.S.A. of U.S. and imported parts

**Initial Delivered Lumens:** 1,000 - 30,000

**Efficiency:** 140 lm/W

**CEC:** Minimum 100 lm/W (10000, 40000 & 50000 lm CR, 10000)

**CEC:** 3010K, 4000K, 5000K, 5700K

**Limited Warranty:** 10 years on luminaire, 50 years on ColorShift™ Delivered Optic™ finish up to 20,000 hours

For complete information, please visit our website at [www.redleonard.com](http://www.redleonard.com)

**Ordering Information**  
For complete information, please visit our website at [www.redleonard.com](http://www.redleonard.com)

**Mount Luminaire must be ordered separately**

**OSQ-ML-B-XX-XX-XX** (XX = 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110, 115, 120, 125, 130, 135, 140, 145, 150, 155, 160, 165, 170, 175, 180, 185, 190, 195, 200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 265, 270, 275, 280, 285, 290, 295, 300, 305, 310, 315, 320, 325, 330, 335, 340, 345, 350, 355, 360, 365, 370, 375, 380, 385, 390, 395, 400, 405, 410, 415, 420, 425, 430, 435, 440, 445, 450, 455, 460, 465, 470, 475, 480, 485, 490, 495, 500, 505, 510, 515, 520, 525, 530, 535, 540, 545, 550, 555, 560, 565, 570, 575, 580, 585, 590, 595, 600, 605, 610, 615, 620, 625, 630, 635, 640, 645, 650, 655, 660, 665, 670, 675, 680, 685, 690, 695, 700, 705, 710, 715, 720, 725, 730, 735, 740, 745, 750, 755, 760, 765, 770, 775, 780, 785, 790, 795, 800, 805, 810, 815, 820, 825, 830, 835, 840, 845, 850, 855, 860, 865, 870, 875, 880, 885, 890, 895, 900, 905, 910, 915, 920, 925, 930, 935, 940, 945, 950, 955, 960, 965, 970, 975, 980, 985, 990, 995, 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1830, 1835, 1840, 1845, 1850, 1855, 1860, 1865, 1870, 1875, 1880, 1885, 1890, 1895, 1900, 1905, 1910, 1915, 1920, 1925, 1930, 1935, 1940, 1945, 1950, 1955, 1960, 1965, 1970, 1975, 1980, 1985, 1990, 1995, 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2070, 2075, 2080, 2085, 2090, 2095, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2175, 2180, 2185, 2190, 2195, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2240, 2245, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2340, 2345, 2350, 2355, 2360, 2365, 2370, 2375, 2380, 2385, 2390, 2395, 2400, 2405, 2410, 2415, 2420, 2425, 2430, 2435, 2440, 2445, 2450, 2455, 2460, 2465, 2470, 2475, 2480, 2485, 2490, 2495, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2535, 2540, 2545, 2550, 2555, 2560, 2565, 2570, 2575, 2580, 2585, 2590, 2595, 2600, 2605, 2610, 2615, 2620, 2625, 2630, 2635, 2640, 2645, 2650, 2655, 2660, 2665, 2670, 2675, 2680, 2685, 2690, 2695, 2700, 2705, 2710, 2715, 2720, 2725, 2730, 2735, 2740, 2745, 2750, 2755, 2760, 2765, 2770, 2775, 2780, 2785, 2790, 2795, 2800, 2805, 2810, 2815, 2820, 2825, 2830, 2835, 2840, 2845, 2850, 2855, 2860, 2865, 2870, 2875, 2880, 2885, 2890, 2895, 2900, 2905, 2910, 2915, 2920, 2925, 2930, 2935, 2940, 2945, 2950, 2955, 2960, 2965, 2970, 2975, 2980, 2985, 2990, 2995, 3000, 3005, 3010, 3015, 3020, 3025, 3030, 3035, 3040, 3045, 3050, 3055, 3060, 3065, 3070, 3075, 3080, 3085, 3090, 3095, 3100, 3105, 3110, 3115, 3120, 3125, 3130, 3135, 3140, 3145, 3150, 3155, 3160, 3165, 3170, 3175, 3180, 3185, 3190, 3195, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 3240, 3245, 3250, 3255, 3260, 3265, 3270, 3275, 3280, 3285, 3290, 3295, 3300, 3305, 3310, 3315, 3320, 3325, 3330, 3335, 3340, 3345, 3350, 3355, 3360, 3365, 3370, 3375, 3380, 3385, 3390, 3395, 3400, 3405, 3410, 3415, 3420, 3425, 3430, 3435, 3440, 3445, 3450, 3455, 3460, 3465, 3470, 3475, 3480, 3485, 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4320, 4325, 4330, 4335, 4340, 4345, 4350, 4355, 4360, 4365, 4370, 4375, 4380, 4385, 4390, 4395, 4400, 4405, 4410, 4415, 4420, 4425, 4430, 4435, 4440, 4445, 4450, 4455, 4460, 4465, 4470, 4475, 4480, 4485, 4490, 4495, 4500, 4505, 4510, 4515, 4520, 4525, 4530, 4535, 4540, 4545, 4550, 4555, 4560, 4565, 4570, 4575, 4580, 4585, 4590, 4595, 4600, 4605, 4610, 4615, 4620, 4625, 4630, 4635, 4640, 4645, 4650, 4655, 4660, 4665, 4670, 4675, 4680, 4685, 4690, 4695, 4700, 4705, 4710, 4715, 4720, 4725, 4730, 4735, 4740, 4745, 4750, 4755, 4760, 4765, 4770, 4775, 4780, 4785, 4790, 4795, 4800, 4805, 4810, 4815, 4820, 4825, 4830, 4835, 4840, 4845, 4850, 4855, 4860, 4865, 4870, 4875, 4880, 4885, 4890, 4895, 4900, 4905, 4910, 4915, 4920, 4925, 4930, 4935, 4940, 4945, 4950, 4955, 4960, 4965, 4970, 4975, 4980, 4985, 4990, 4995, 5000, 5005, 5010, 5015, 5020, 5025, 5030, 5035, 5040, 5045, 5050, 5055, 5060, 5065, 5070, 5075, 5080, 5085, 5090, 5095, 5100, 5105, 5110, 5115, 5120, 5125, 5130, 5135, 5140, 5145, 5150, 5155, 5160, 5165, 5170, 5175, 5180, 5185, 5190, 5195, 5200, 5205, 5210, 5215, 5220, 5225, 5230, 5235, 5240, 5245, 5250, 5255, 5260, 5265, 5270, 5275, 5280, 5285, 5290, 5295, 5300, 5305, 5310, 5315, 5320, 5325, 5330, 5335, 5340, 5345, 5350, 5355, 5360, 5365, 5370, 5375, 5380, 5385, 5390, 5395, 5400, 5405, 5410, 5415, 5420, 5425, 5430, 5435, 5440, 5445, 5450, 5455, 5460, 5465, 5470, 5475, 5480, 5485, 5490, 5495, 5500, 5505, 5510, 5515, 5520, 5525, 5530, 5535, 5540, 5545, 5550, 5555, 5560, 5565, 5570, 5575, 5580, 5585, 5590, 5595, 5600, 5605, 5610, 5615, 5620, 5625, 5630, 5635, 5640, 5645, 5650, 5655, 5660, 5665, 5670, 5675, 5680, 5685, 5690, 5695, 5700, 5705, 5710, 5715, 5720, 5725, 5730, 5735, 5740, 5745, 5750, 5755, 5760, 5765, 5770, 5775, 5780, 5785, 5790, 5795, 5800, 5805, 5810, 5815, 5820, 5825, 5830, 5835, 5840, 5845, 5850, 5855, 5860, 5865, 5870, 5875, 5880, 5885, 5890, 5895, 5900, 5905, 5910, 5915, 5920, 5925, 5930, 5935, 5940, 5945, 5950, 5955, 5960, 5965, 5970, 5975, 5980, 5985, 5990, 5995, 6000, 6005, 6010, 6015, 6020, 6025, 6030, 6035, 6040, 6045, 6050, 6055, 6060, 6065, 6070, 6075, 6080, 6085, 6090, 6095, 6100, 6105, 6110, 6115, 6120, 6125, 6130, 6135, 6140, 6145, 6150, 6155, 6160, 6165, 6170, 6175, 6180, 6185, 6190, 6195, 6200, 6205, 6210, 6215, 6220, 6225, 6230, 6235, 6240, 6245, 6250, 6255, 6260, 6265, 6270, 6275, 6280, 6285, 6290, 6295, 6300, 6305, 6310, 6315, 6320, 6325, 6330, 6335, 6340, 6345, 6350, 6355, 6360, 6365, 6370, 6375, 6380, 6385, 6390, 6395, 6400, 6405, 6410, 6415, 6420, 6425, 6430, 6435, 6440, 6445, 6450, 6455, 6460, 6465, 6470, 6475, 6480, 6485, 6490, 6495, 6500, 6505, 6510, 6515, 6520, 6525, 6530, 6535, 6540, 6545, 6550, 6555, 6560, 6565, 6570, 6575, 6580, 6585, 6590, 6595, 6600, 6605, 6610, 6615, 6620, 6625, 6630, 6635, 6640, 6645, 6650, 6655, 6660, 6665, 6670, 6675, 6680, 6685, 6690, 6695, 6700, 6705, 6710, 6715, 6720, 6725, 6730, 6735, 6740, 6745, 6750, 6755, 6760, 6765, 6770, 6775, 6780, 6785, 6790, 6795, 6800, 6805, 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7640, 7645, 7650, 7655, 7660, 7665, 7670, 7675, 7680, 7685, 7690, 7695, 7700, 7705, 7710, 7715, 7720, 7725, 7730, 7735, 7740, 7745, 7750, 7755, 7760, 7765, 7770, 7775, 7780, 7785, 7790, 7795, 7800, 7805, 7810, 7815, 7820, 7825, 7830, 7835, 7840, 7845, 7850, 7855, 7860, 7865, 7870, 7875, 7880, 7885, 7890, 7895, 7900, 7905, 7910, 7915, 7920, 7925, 7930, 7935, 7940, 7945, 7950, 7955, 7960, 7965, 7970, 7975, 7980, 7985, 7990, 7995, 8000, 8005, 8010, 8015, 8020, 8025, 8030, 8035, 8040, 8045, 8050, 8055, 8060, 8065, 8070, 8075, 8080, 8085, 8090, 8095, 8100, 8105, 8110, 8115, 8120, 8125, 8130, 8135, 8140, 8145, 8150, 8155, 8160, 8165, 8170, 8175, 8180, 8185, 8190, 8195, 8200, 8205, 8210, 8215, 8220, 8225, 8230, 8235, 8240, 8245, 8250, 8255, 8260, 8265, 8270, 8275, 8280, 8285, 8290, 8295, 8300, 8305, 8310, 8315, 8320, 8325, 8330, 8335, 8340, 8345, 8350, 8355, 8360, 8365, 8370, 8375, 8380, 8385, 8390, 8395, 8400, 8405, 8410, 8415, 8420, 8425, 8430, 8435, 8440, 8445, 8450, 8455, 8460, 8465, 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