

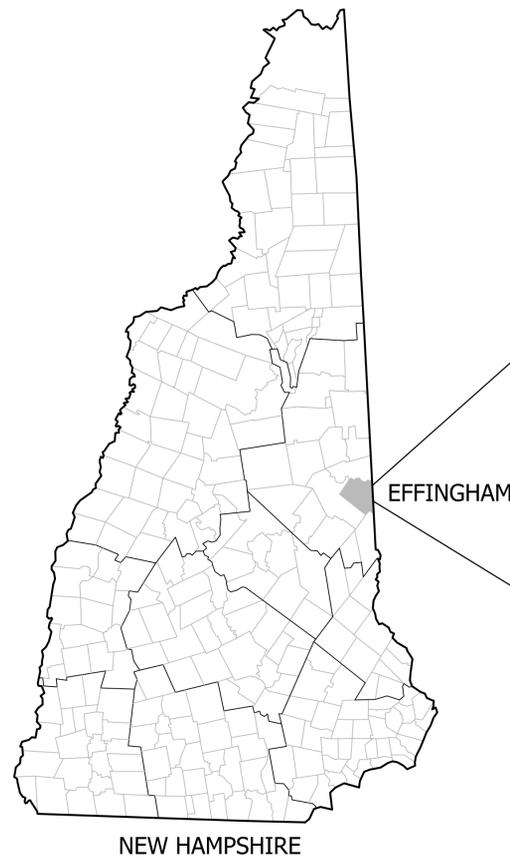
# MEENA LLC

## 41 ROUTE 25

### TAX MAP 401 LOT 5

EFFINGHAM, NEW HAMPSHIRE

JULY, 2022  
REVISED AUGUST, 2022



OWNER:  
MEENA, LLC  
41 NH ROUTE 25  
EFFINGHAM NH 03882

ENGINEER & SURVEYOR:

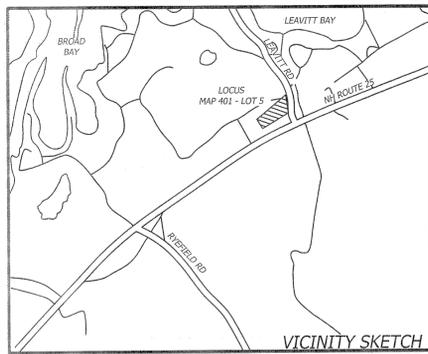
**horizons**  
*Engineering*

34 SCHOOL STREET  
LITTLETON, NH 03561  
(603) 444-4111



SHEET INDEX:

	COVER
DWG 21-27	BOUNDARY SURVEY PLAN
E1.00	EXISTING CONDITIONS PLAN
C1.00	SITE PLAN
SMP1.01	STORMWATER MANAGEMENT PLAN
SMP1.02	STORMWATER MANAGEMENT DETAILS



**LEGEND**

- ABUTTOR LOT BOUNDARY
- SUBJECT LOT BOUNDARY
- PAVEMENT
- GRAVEL
- TREELINE
- OVERHEAD UTILITY WIRE
- UTILITY POLE
- IRON PIPE OR REBAR FOUND
- STONE BOUND FOUND

**GENERAL NOTES**

1. OWNER OF RECORD  
MEENA, LLC  
41 US ROUTE 25  
EFFINGHAM, NH 03882  
BOOK 3570 PAGE 955
2. DEED REFERENCES:
  - A. "WARRANTY DEED FROM BFM REALTY, LLC TO MEENA, LLC." DATED FEBRUARY 24, 2021. RECORDED FEBRUARY 25, 2021 AT THE CARROLL COUNTY REGISTRY OF DEEDS BOOK 3570 PAGE 955.
3. PLAN REFERENCES:
  - A. "PROPERTY OF DY-NO-MITE VARIETY STORE, LTD, EFFINGHAM, NEW HAMPSHIRE" DATED SEPTEMBER 6, 1991. SURVEYED BY THADDEUS THORNE-SURVEYS, INC. DWG NO. 91-55. PLAN NOT RECORDED.
  - B. "PROPERTY OF MRS. KATHERINE B. GRIFFIN, EFFINGHAM, N.H." DATED JULY 1975. SURVEYED BY STEPHEN H. BOOMER. RECORDED AT THE CARROLL COUNTY REGISTRY OF DEEDS, DEED BOOK 619, PAGE 331.
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  - D. "'BLUEBERRY ESTATES', PLAN OF LAND IN OSSISPEE, N.H., BELONGING TO NORTHERN LAND TRADERS INC." DATED APRIL 28, 1980. SURVEYED BY NORTH COUNTRY SURVEYORS. RECORDED AT THE CARROLL COUNTY REGISTRY OF DEEDS, PLAN BOOK 52, PAGE 61.
  - E. STATE OF NEW HAMPSHIRE DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS, PLANS OF PROPOSED FEDERAL AID PROJECT NO. S-205(1), N.H. NO. S-7193, OSSISPEE TRAIL." DATED JANUARY 31, 1966. ON FILE WITH THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION, BUREAU OF RIGHT OF WAY AND RECORDED AT THE CARROLL COUNTY REGISTRY OF DEEDS, PLAN BOOK 7, PAGE 71.
4. THE BEARINGS SHOWN HEREON REFER TO MAGNETIC NORTH PER PLAN REFERENCE "A".
5. RIGHT OF WAY EASEMENT IN FAVOR OF NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY DATED AUGUST 15, 1969 AND RECORDED IN THE CARROLL COUNTY REGISTRY OF DEEDS AT BOOK 585, PAGE 494.
6. THE RIGHT OF WAY FOR LEAVITT ROAD IS BASED ON PLAN REFERENCE "A" AND "C". NO LAYOUT WAS FOUND ON RECORD. THE RIGHT OF WAY IS AN ASSUMED WIDTH OF 3 RODS OR 49.5 FEET.
7. IN 1996, THE STATE OF NEW HAMPSHIRE DEED DY-NO-MITE VARIETY STORE, LTD A "POINT OF ACCESS DEED" RECORDED AT THE CARROLL COUNTY REGISTRY OF DEEDS IN BOOK 1661, PAGE 839.
8. THIS PLAN IS BASED ON A FIELD SURVEY COMPLETED IN OCTOBER OF 2021 WITH A LEICA TC12 ROBOTIC TOTAL STATION.
9. THE PROPERTY BOUNDARY WAS RETRACED USING THE DEEDS OF RECORD, REFERENCE PLANS AND EVIDENCE FOUND IN THE FIELD. ABUTTING PROPERTY LINES ARE APPROXIMATE PER THE TOWN OF EFFINGHAM TAX MAPS.
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13. THE BOUNDARIES AS DEPICTED HEREON WERE RETRACED SUBSTANTIALLY BASED ON MONUMENTATION FOUND IN THE FIELD AND ON REFERENCE PLANS.
14. THE WORD "CERTIFY" OR "CERTIFICATION" AS SHOWN AND USED HEREON MEANS COMPLIANCE WITH APPLICABLE LAND SURVEY LAWS AND RULES AND AN EXPRESSION OF PROFESSIONAL OPINION BASED ON THE FACTS OF THE SURVEY, PRINCIPLES OF BOUNDARY RETRACEMENT AND LOCAL STANDARD OF CARE, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE, EXPRESSED OR IMPLIED.

N/E  
MICHAEL & DEBORAH LAVOIE  
2 RENLE ROAD  
4709 E. PARADISE LANE  
PHOENIX, AZ 85032  
BOOK 1761 PAGE 534  
OSSISPEE ASSESSORS MAP 33 LOT 42

N/E  
WILLIAM & BARBARA BARTOSWICZ  
1 BLUEBERRY RD  
79 MAIN ST  
CENTER OSSISPEE, NH 03814  
BOOK 3547 PAGE 931  
OSSISPEE ASSESSORS MAP 33 LOT 2

N/E  
MEENA, LLC  
41 NH ROUTE 25  
PO BOX 2262  
NORTH CONWAY, NH 03860  
BOOK 3570 PAGE 955  
EFFINGHAM ASSESSORS MAP 401 LOT 5

N/E  
ROBERT L. CRAIG  
3 BLUEBERRY RD  
CENTER OSSISPEE, NH 03814  
BOOK 2927 PAGE 763  
OSSISPEE ASSESSORS MAP 48 LOT 1

N/E  
JUSTIN A. PETERS & CARLA WILKINSON  
LEAVITT RD  
275 SACO RD  
STANDISH, ME 04084  
BOOK 3606 PAGE 725  
EFFINGHAM ASSESSORS MAP 401 LOT 6

N/E  
RICHARD M. & TAMMY S. MCPHERSON  
3 BLUEBERRY RD  
CENTER OSSISPEE, NH 03814  
BOOK 3161 PAGE 743  
OSSISPEE ASSESSORS MAP 47 LOT 41

N/E  
TOWN OF EFFINGHAM  
NH ROUTE 25  
68 SCHOOL ST  
EFFINGHAM, NH 03882  
BOOK 3333 PAGE 908  
EFFINGHAM ASSESSORS MAP 401 LOT 9

N/E  
RICHARD T. & MARY A. GIGLIO  
35 NH ROUTE 25  
41 WEONA DR.  
FREEDOM, NH 03836  
BOOK 2927 PAGE 763  
EFFINGHAM ASSESSORS MAP 406 LOT 80

N/E  
ROGER D. & JOY L. RUTTER  
2 NORWAY RD  
CENTER OSSISPEE, NH 03814  
BOOK 2383 PAGE 99  
OSSISPEE ASSESSORS MAP 47 LOT 43

N/E  
MICHAEL D. & LYNETTE N. KAICHEN  
52 NH ROUTE 25  
PO BOX 178  
EFFINGHAM, NH 03882  
BOOK 3339 PAGE 909  
EFFINGHAM ASSESSORS MAP 401 LOT 4.1

N/E  
ERIN & AMY HARTLEY  
773 GREEN MOUNTAIN RD  
PO BOX 130  
CHOCORUA, NH 03817  
BOOK 3516 PAGE 222  
EFFINGHAM ASSESSORS MAP 406 LOT 75

1"x12" IRON PIPE GALVANIZED

TRANSFORMER PAD  
PSNH 3/114/908  
NET 1/147

PSNH 3/114/5  
NET 1/146

1" REBAR 8" BELOW GRADE

5'x5'x8" NH HIGHWAY BOUND

WOODED

APARTMENTS

GAS STATION CONVENIENCE STORE

CANOPY GAS PUMPS

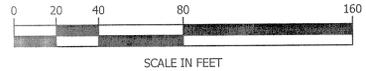
ANGLE IRON (NOT HELD)

POINT IN PAVEMENT BELOW GRADE

(SEE NOTE 7)

(SEE NOTE 6)

(SEE NOTE 7)



**horizons**  
Engineering

NEWPORT VT • SHARON VT • LITTLETON NH • CONWAY NH  
NEW LONDON NH • NEWMARKET NH • SACO ME

**BOUNDARY SURVEY OF LANDS OF MEENA, LLC**

PO BOX 2262  
NORTH CONWAY, NH 03860  
41 NH ROUTE 25  
EFFINGHAM, NH 03882  
TAX MAP 401 - LOT 5  
CCRD BOOK 3570 - PAGE 955

NO.	DATE	REVISION DESCRIPTION	ENG	DWG

**CERTIFICATION**

I CERTIFY THAT THIS PLAT WAS PREPARED BY ME OR BY THOSE UNDER MY DIRECT AND IMMEDIATE SUPERVISION.  
I ALSO CERTIFY THAT THIS SURVEY CONFORMS TO THE NHLSA MINIMUM STANDARDS OF PRACTICE FOR THE SURVEY OF REAL PROPERTY.  
I HEREBY CERTIFY THAT THIS PLAN IS BASED ON A TOTAL STATION AND GNSS SURVEY AND IS CLASSIFIED RURAL.

DATE OF PRINT  
OCTOBER 20 2021  
HORIZONS ENGINEERING

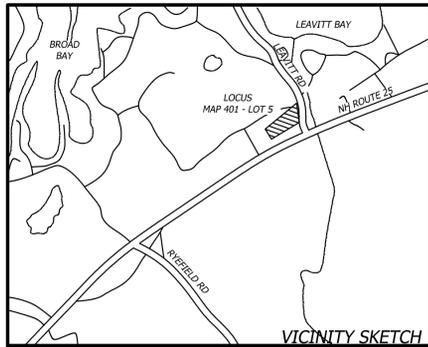
DATE 10-20-2021

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DATE: OCT. 2021	PROJECT #: S-21268
SURV'D BY: TWH/ DH	DRAWN BY: TWH/ WWS
CHECK'D BY: LG	ARCHIVE #: H-___

DWG NO. 21-27



**GENERAL NOTES**

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MEENA, LLC  
41 US ROUTE 25  
EFFINGHAM, NH 03882  
BOOK 3570 PAGE 955
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- BEARINGS SHOWN HEREON REFER TO GRID NORTH AND ARE BASED ON THE NEW HAMPSHIRE COORDINATE SYSTEM, NAD 83 AS DETERMINED BY GPS SURVEY OBSERVATIONS. ELEVATIONS ARE BASED ON NAVD88 VERTICAL DATUM.

**TEST PIT DATA**

TEST PIT #01:

0-7"	10YR3/1	FINE SANDY LOAM, WEAK FINE GRANULAR, VERY FRIABLE
7-18"	10YR5/3	FINE SAND, SINGLE GRAIN, LOOSE
18-19"	10YR5/3	FINE SAND, SINGLE GRAIN, LOOSE, COMMON PROMINENT REDOXIMORPHIC CONCENTRATIONS
19-21"	10YR2/1	MUCKY FINE SANDY LOAM, WEAK FINE GRANULAR, VERY FRIABLE
21-24"	10YR4/1	LOAMY FINE SAND, MODERATE MEDIUM GRANULAR, VERY FRIABLE
24-27"	10YR2/1	FINE SANDY LOAM, MODERATE MEDIUM SUB-ANGULAR BLOCKY, FRIABLE
27-40"	7.5YR3/3	FINE SANDY LOAM, MODERATE MEDIUM SUB-ANGULAR BLOCKY, FRIABLE
40-53"	10YR4/3	FINE SAND, SINGLE GRAIN, LOOSE
53-63"	2.5Y5/1	FINE SAND & VERY FINE SAND, MASSIVE, VERY FRIABLE

SHWT @ 18"  
RESTRICTIVE @ NONE  
REFUSAL @ NONE  
WATER TABLE @ 44"  
ROOTS TO 29"  
DEPTH OF FILL MATERIAL @ 19"

TEST PIT #02:

0-3"	10YR2/1	FINE SANDY LOAM, WEAK FINE GRANULAR, VERY FRIABLE
3-7"	10YR5/3	LOAMY FINE SAND, WEAK FINE GRANULAR, VERY FRIABLE
7-16"	10YR4/4	FINE SAND, SINGLE GRAIN, LOOSE
16-21"	10YR5/3	FINE AND MEDIUM SAND, SINGLE GRAIN, LOOSE
21-24"	10YR2/1	HEMIC ORGANIC MATERIALS, WEAK FINE GRANULAR, VERY FRIABLE
24-29"	10YR4/1	LOAMY FINE SAND, WEAK MEDIUM GRANULAR, VERY FRIABLE
29-31"	2.5YR2.5/1	FINE SANDY LOAM, MODERATE MEDIUM SUBANGULAR BLOCKY, FRIABLE
31-36"	5YR4/3	FINE SANDY LOAM, MASSIVE, FIRM
36-44"	2.5Y5/3	LOAMY FINE SAND, MASSIVE, FRIABLE
44-63"	2.5Y4/3	FINE SAND, SINGLE GRAIN, LOOSE
63-75"	2.5Y5/3	FINE SAND & VERY FINE SAND, WEAK THIN PLATY, VERY FRIABLE

SHWT @ 16"  
RESTRICTIVE @ 31-36"  
REFUSAL @ NONE  
WATER TABLE @ 53"  
ROOTS TO 32"  
DEPTH OF FILL MATERIAL @ 21"

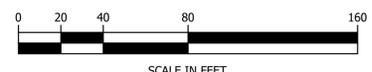
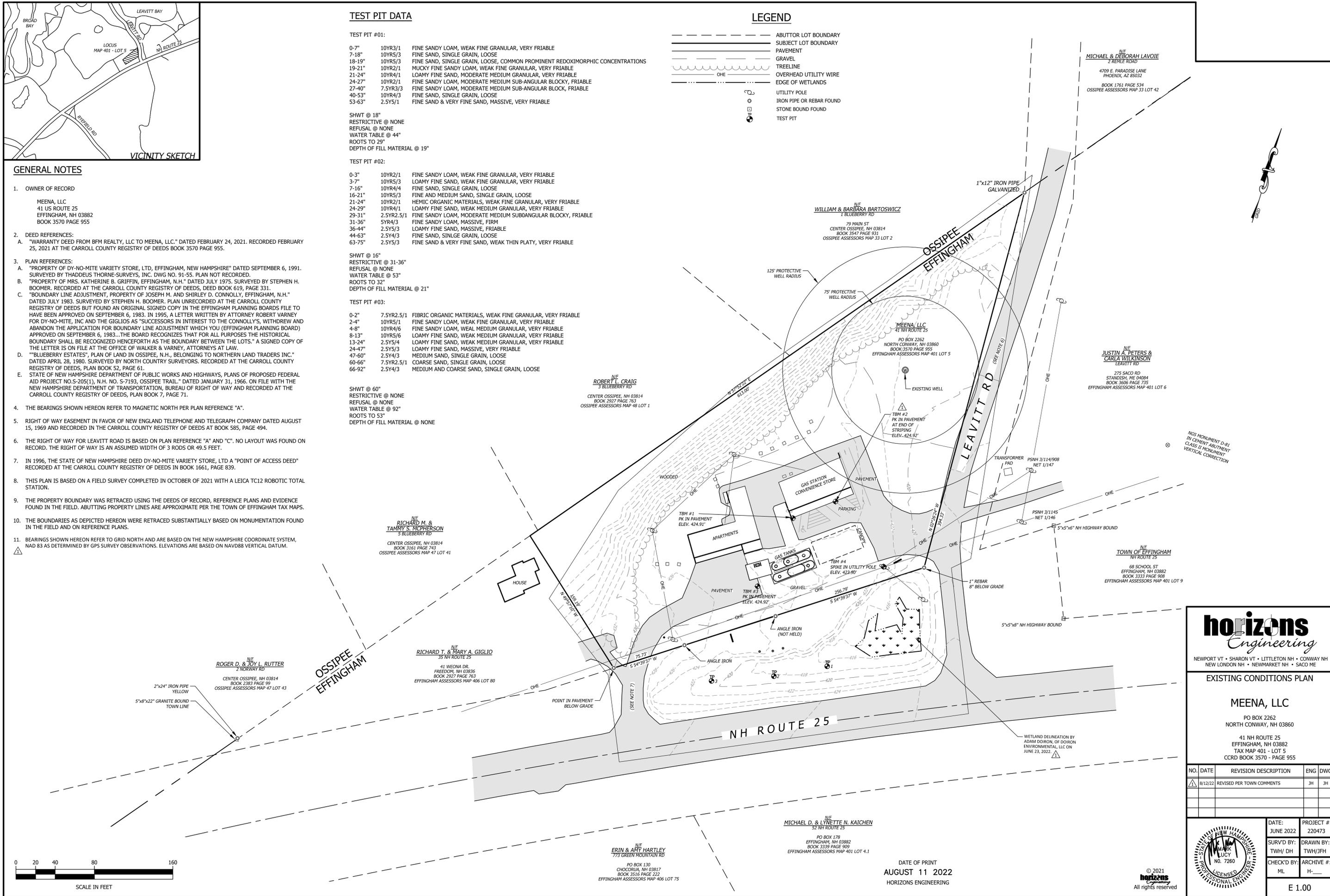
TEST PIT #03:

0-2"	7.5YR2.5/1	FIBRIC ORGANIC MATERIALS, WEAK FINE GRANULAR, VERY FRIABLE
2-4"	10YR5/1	FINE SANDY LOAM, WEAK FINE GRANULAR, VERY FRIABLE
4-8"	10YR4/6	FINE SANDY LOAM, WEAL MEDIUM GRANULAR, VERY FRIABLE
8-13"	10YR5/6	LOAMY FINE SAND, WEAK MEDIUM GRANULAR, VERY FRIABLE
13-24"	2.5Y5/4	LOAMY FINE SAND, WEAK MEDIUM GRANULAR, VERY FRIABLE
24-47"	2.5Y5/3	LOAMY FINE SAND, MASSIVE, VERY FRIABLE
47-60"	2.5Y4/3	MEDIUM SAND, SINGLE GRAIN, LOOSE
60-66"	7.5YR2.5/1	COARSE SAND, SINGLE GRAIN, LOOSE
66-92"	2.5Y4/3	MEDIUM AND COARSE SAND, SINGLE GRAIN, LOOSE

SHWT @ 60"  
RESTRICTIVE @ NONE  
REFUSAL @ NONE  
WATER TABLE @ 92"  
ROOTS TO 53"  
DEPTH OF FILL MATERIAL @ NONE

**LEGEND**

- ABUTTOR LOT BOUNDARY
- SUBJECT LOT BOUNDARY
- PAVEMENT
- GRAVEL
- TREELINE
- OVERHEAD UTILITY WIRE
- EDGE OF WETLANDS
- UTILITY POLE
- IRON PIPE OR REBAR FOUND
- STONE BOUND FOUND
- TEST PIT



DATE OF PRINT  
**AUGUST 11 2022**  
HORIZONS ENGINEERING

**horizons Engineering**  
NEWPORT VT • SHARON VT • LITTLETON NH • CONWAY NH  
NEW LONDON NH • NEWMARKET NH • SACO ME

**EXISTING CONDITIONS PLAN**

**MEENA, LLC**  
PO BOX 2262  
NORTH CONWAY, NH 03860  
41 NH ROUTE 25  
EFFINGHAM, NH 03882  
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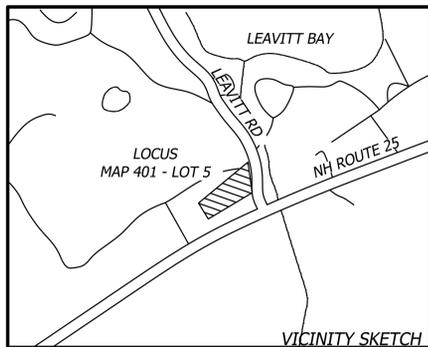
NO.	DATE	REVISION DESCRIPTION	ENG	DWG
1	8/12/22	REVISED PER TOWN COMMENTS	JH	JH

DATE: JUNE 2022 PROJECT #: 220473  
SURV'D BY: TWH/JFH DRAWN BY: TWH/JFH  
CHECK'D BY: ML ARCHIVE #: H-  
**E 1.00**



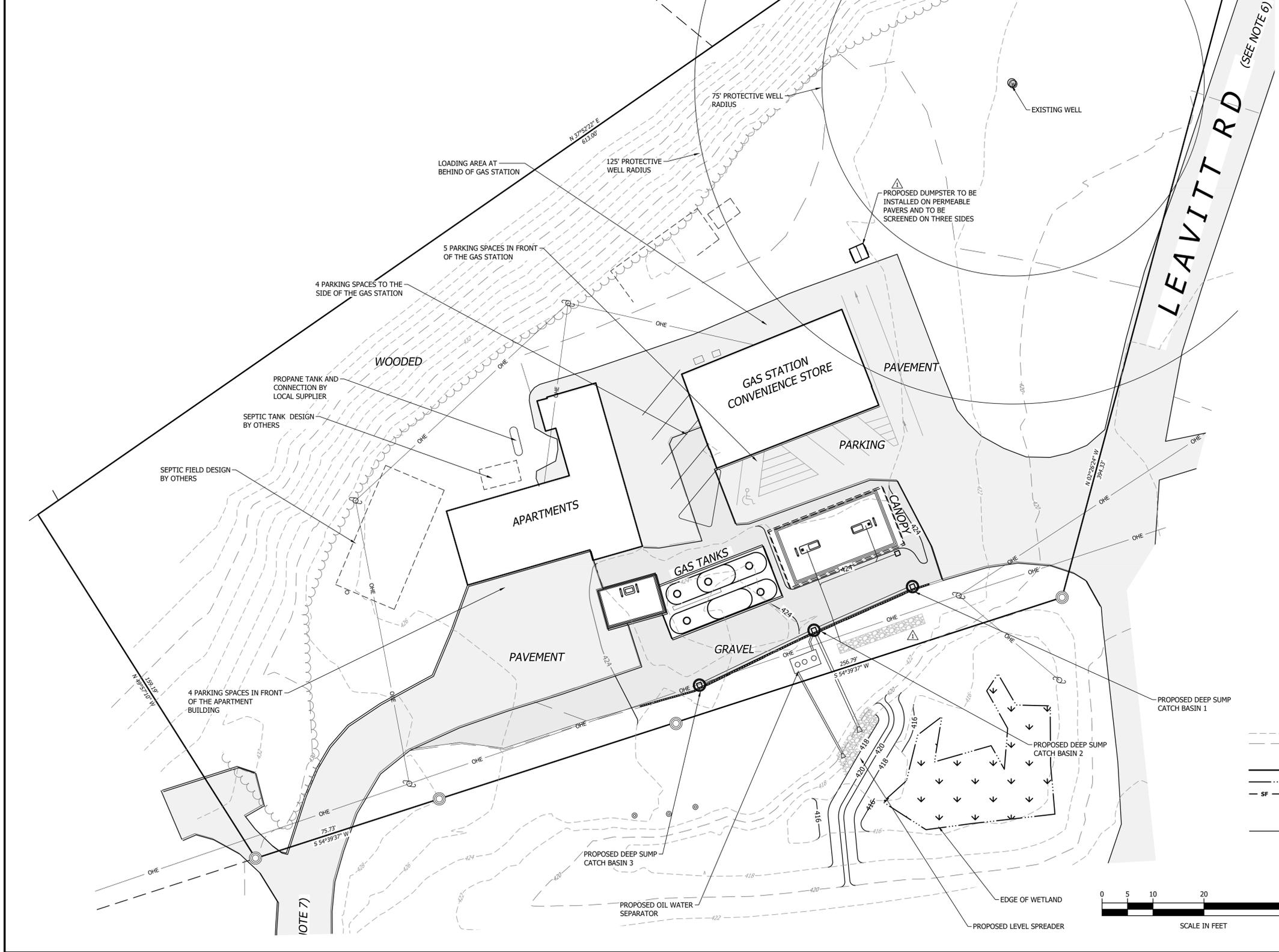
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I:\192.168.50.3\hillsroad\_2022\220473 Meena SWM and SDC Effingham\Internal\Civil\Bare\220473 Bare plan-02.dwg, 8/11/2022 2:51:58 PM, DonBouchard



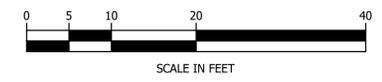
**GENERAL NOTES**

1. OWNER OF RECORD  
MEENA, LLC  
41 NH ROUTE 25  
EFFINGHAM, NH 03882  
BOOK 3570 PAGE 955
2. SEE EXISTING CONDITIONS PLAN FOR PLAN REFERENCES AND DEED REFERENCES.
3. ALL NON PAVED DISTURBED AREAS TO RECEIVE A MINIMUM 4" OF LOAM AND SEED.
4. THIS PARCEL IS SERVED BY NHDOT DRIVEWAY PERMIT #14116A.
5. EACH DRIVEWAY ENTRANCE HAS MORE THAN 400 FEET OF SITE DISTANCE IN THE WESTERLY AND EASTERLY DIRECTION, AS MEASURED FROM A POINT 10 FEET OFF THE EDGE OF THE ROAD AT A HEIGHT OF 3.75 FEET.
6. PARKING SPACE REQUIREMENTS  
- PER TOWN OF EFFINGHAM ZONING ORDINANCE, SECTION 1013C, MINIMUM 2 SPACES PER RESIDENTIAL UNIT.  
- PER TOWN OF EFFINGHAM ZONING ORDINANCE, SECTION 1030B, 1 SPACE PER THREE CUSTOMERS AT ANY ONE TIME PLUS 1 SPACE FOR TWO EMPLOYEES.  
- 2 RESIDENTIAL UNITS = 4 PARKING SPACES  
- 15 EXPECTED CUSTOMERS = 5 SPACES  
- 4 EMPLOYEES = 2 SPACES  
REQUIRED SPACES = 11  
PROVIDED SPACES = 13



**LEGEND**

	852	EXISTING 2 FOOT CONTOURS
	850	EXISTING 10 FOOT CONTOURS
		EXISTING PAVEMENT
		PROPERTY LINE
		WETLAND LINE
	SF	PROPOSED SEDIMENT FENCE
	SF	PROPOSED PAVEMENT
	420	PROPOSED CONTOUR



DATE OF PRINT  
**AUGUST 11 2022**  
HORIZONS ENGINEERING

**horizons Engineering**  
Civil and Structural Engineering  
Land Surveying and Environmental Consulting  
MAINE • NEW HAMPSHIRE • VERMONT  
www.horizonsengineering.com

**MEENA LLC**  
41 NH ROUTE 25  
EFFINGHAM, NEW HAMPSHIRE

**SITE PLAN**

NO.	DATE	REVISION DESCRIPTION	ENG	DWG
1	8/12/22	REVISED PER TOWN COMMENTS	JFH	JFH

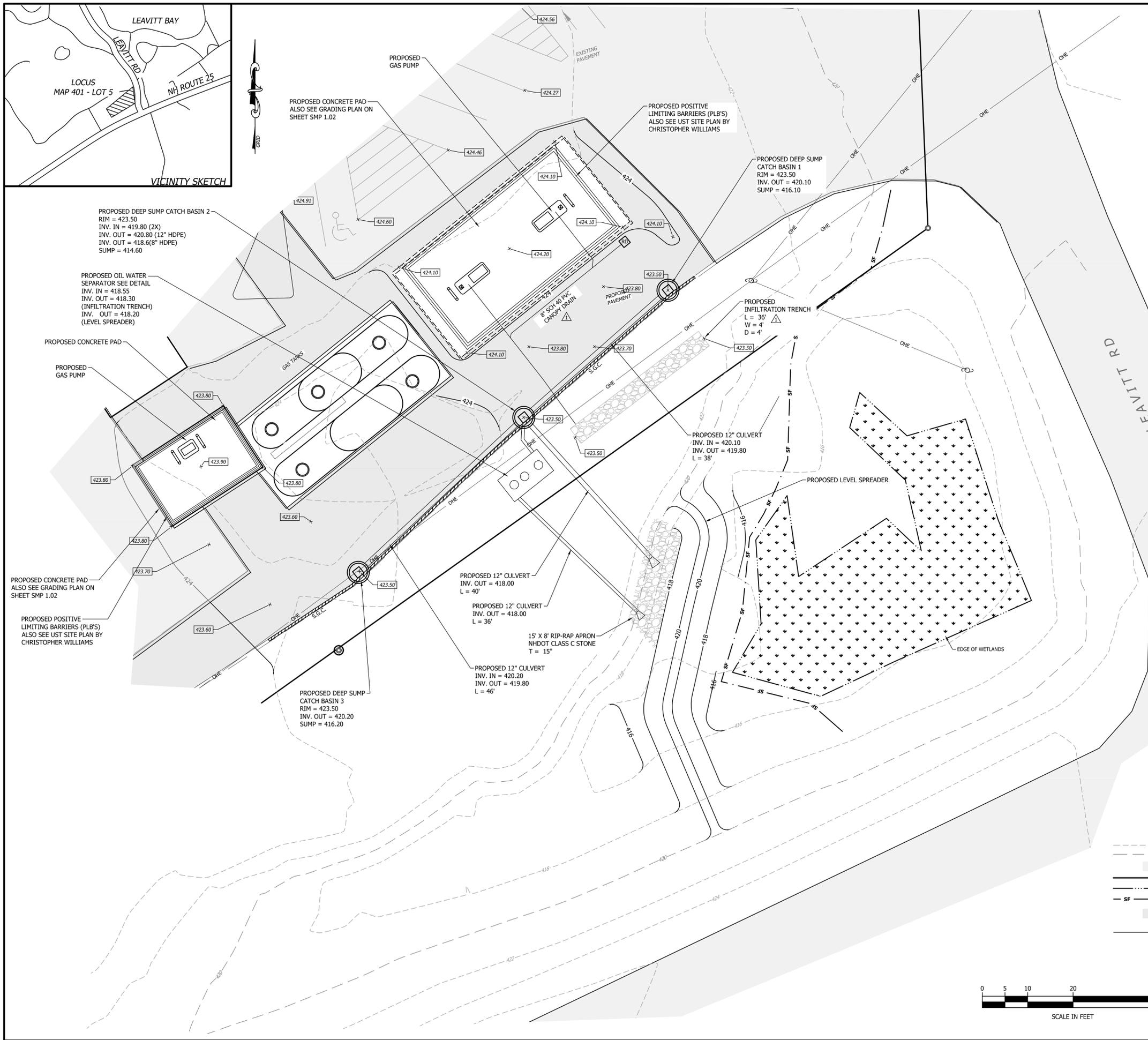


DATE: JUNE 2022	PROJECT #: 220473
ENG'D BY: JFH	DRAWN BY: JFH
CHECK'D BY: DEB	ARCHIVE #: H---

# STORMWATER MANAGEMENT GUIDELINES

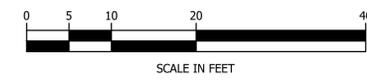
GENERAL  
EXCEPT WHERE MODIFIED HEREIN, ALL CONDITIONS, MEANS, METHODS AND MATERIALS SHALL COMPLY WITH THE NHDOT'S MOST RECENT EDITIONS OF STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION AND AS MAY BE FURTHER SPECIFIED WITHIN THE TOWN'S MOST RECENTLY ADOPTED ROAD OR STREET REGULATIONS.

- (1) CURBING  
ALL PROPOSED GRANITE CURBING SHALL BE SLOPED OR VERTICAL FACE CURBING MEETING NEW HAMPSHIRE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, HIGHWAY DESIGN MANUAL, STANDARD CR-1 PLATES 1 THROUGH 4. "BACKFILL MATERIAL" DEPICTED ON PLATE 1 SHALL BE CLASS B CONCRETE PLACED ON VEHICLE SIDE OF CURB.
- (2) PRECAST CONCRETE DRAINAGE STRUCTURES  
ALL PROPOSED DRAINAGE STRUCTURES SHALL MEET NEW HAMPSHIRE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DIVISION 600, SECTION 604.
- (3) CULVERTS AND STORM DRAINS  
ALL PROPOSED PIPING SHALL BE AS INDICATED IN PLAN VIEW:  
A. CORRUGATED EXTERIOR, SMOOTH WALL INTERIOR HDPE PIPE COMPLYING WITH AASHTO M294, TYPE S.  
B. FLARED STEEL END SECTIONS SHALL BE GALVANIZED COMPLYING WITH AASHTO M 36/M 36 AND SHALL BE INSTALLED WHERE STONE RIPRAP OUTLET PROTECTION IS NOT USED.  
C. ALL STREET CROSS CULVERTS SHALL HAVE PRECAST CONCRETE, CAST IN PLACE CONCRETE OR MORTARED RUBBLE MASONRY HEADWALLS AT BOTH ENDS OF THE CULVERTS.
- (4) LOAMING AND LOAM AMENDMENTS  
A. ALL REMAINING DISTURBED AREAS SHALL HAVE FOUR INCHES OF LOAM INSTALLED. LOAM SHALL BE FRIABLE, FREE OF STUMPS, ROOTS AND OTHER UNSUITABLE MATERIAL AND SHALL NOT BE SPREAD WHEN WET.  
B. ALL LOAMED AREAS SHALL BE FERTILIZED AND SEEDED BY HAND, BROADCAST OR HYDROSEED, AS FOLLOWS:  
NO FERTILIZER SHALL BE APPLIED TO VEGETATION OR SOILS WITHIN 25 FEET OF THE REFERENCE LINE OF ANY PUBLIC WATER FERTILIZER  
C. BETWEEN 25 FEET AND 100 FEET FROM ANY RIVER, STREAM, POND OR LAKE, ONLY LOW PHOSPHATE, SLOW RELEASE NITROGEN FERTILIZER MAY BE USED. LOW PHOSPHATE, SLOW RELEASE NITROGEN FERTILIZER MEANS FERTILIZER THAT IS GUARANTEED, AS INDICATED ON THE PACKAGE LABEL, TO CONTAIN:  
1. NOT MORE THAN 2% PHOSPHOROUS; AND  
2. A NITROGEN COMPONENT WHICH IS AT LEAST 50% SLOW RELEASE NITROGEN COMPONENTS.  
D. BEYOND 100 FEET FROM ANY RIVER, STREAM, POND OR LAKE, THE FOLLOWING MAY BE USED:  
LIMESTONE AT 100 LBS PER 1000 SF      10-20-20 AT 12 LBS PER 1,000 SF  
PERMANENT SEED MIXES  
AREAS WITHIN ROAD ROW AND DITCHES AND SWALES: NHDOT SLOPE SEED TYPE 44 AT 80 LBS PER ACRE  
AREAS OUTSIDE OF THE ROAD WORK: NHDOT PARK SEED TYPE 15 AT 120 LBS PER ACRE  
TEMPORARY SEED MIX  
SPRING PLANTING (BEFORE MAY 15): OATS AT 34 LBS PER ACRE OR ANNUAL RYEGRASS AT 16 LBS. PER ACRE  
FALL PLANTING (AFTER AUGUST 15): WINTER RYE AT 45 LBS. PER ACRE OR ANNUAL RYEGRASS AT 16 LBS. PER ACRE  
E. MULCH SHALL BE APPLIED IMMEDIATELY AFTER SEEDING UNLESS HYDROSEEDING IS USED THAT INCLUDES A MULCH AND TACKIFIER. HYDROSEEDING NOTWITHSTANDING, MULCH SHALL CONSIST OF DRY STRAW OR SEEDLESS HAY SPREAD BY HAND OR MACHINE AND SHALL EITHER CONTAIN A TACKIFIER OR HAVE A TACKIFIER APPLIED.  
F. DRAINAGE BASINS' AND CUT/FILL SLOPES STEEPER THAN 3:1 SHALL BE TREATED WITH EROSION CONTROL BLANKET PER MANUFACTURERS' SPECIFICATIONS FOLLOWING THE LOAMING AND LOAM AMENDMENTS' APPLICATION. EROSION CONTROL BLANKET SHALL BE EQUIVALENT TO GEOCOIR DEKOWE 400. THESE AREAS NEED NOT BE MULCHED.  
G. SLOPES SHOWN STEEPER THAN 2:1, IF NOT PROTECTED BY STONE RIPRAPING, SHALL BE PROTECTED WITH JUTE EROSION CONTROL BLANKET INSTALLED PER MANUFACTURERS' SPECIFICATIONS FOLLOWING THE LOAMING AND LOAM AMENDMENTS' APPLICATION. JUTE EROSION CONTROL BLANKET SHALL BE EQUIVALENT TO GEOCOIR DEKOWE 700. THESE AREAS NEED NOT BE MULCHED.  
H. DITCHES' AND SWALES' SIDESLOPES AND INVERTS, IF NOT PROTECTED BY STONE RIPRAPING, SHALL BE PROTECTED WITH JUTE EROSION CONTROL BLANKET INSTALLED PER MANUFACTURERS' SPECIFICATIONS FOLLOWING THE LOAMING AND LOAM AMENDMENTS' APPLICATION. JUTE EROSION CONTROL BLANKET SHALL BE EQUIVALENT TO GEOCOIR DEKOWE 900. THESE AREAS NEED NOT BE MULCHED.  
I. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE IS STABILIZED.



**LEGEND**

- - - - - 852	EXISTING 2 FOOT CONTOURS
- - - - - 850	EXISTING 10 FOOT CONTOURS
—————	EXISTING PAVEMENT
—————	PROPERTY LINE
—————	WETLAND LINE
- SF - - - - SF - - - -	PROPOSED SEDIMENT FENCE
—————	PROPOSED PAVEMENT
—————	PROPOSED CONTOUR



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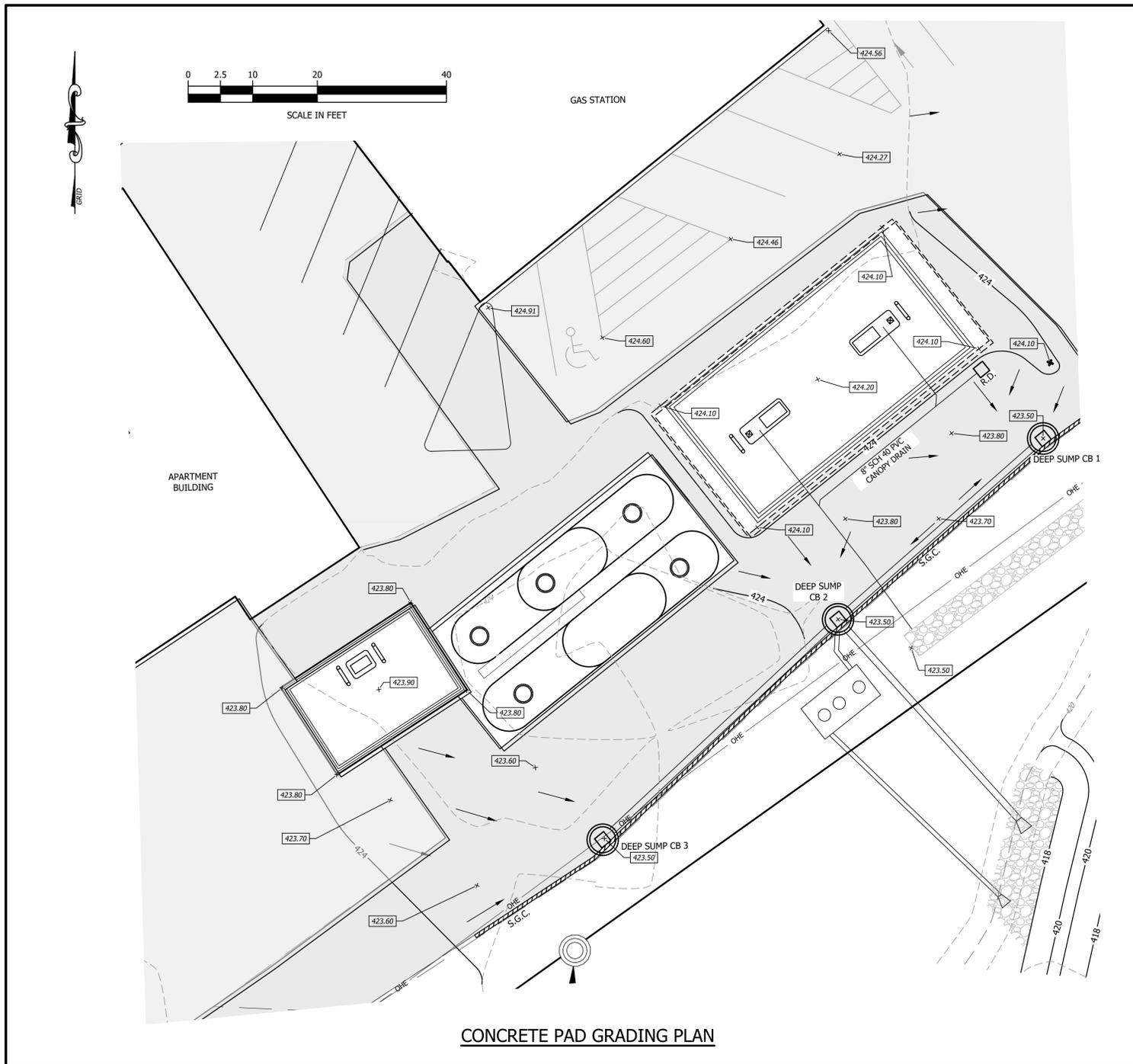
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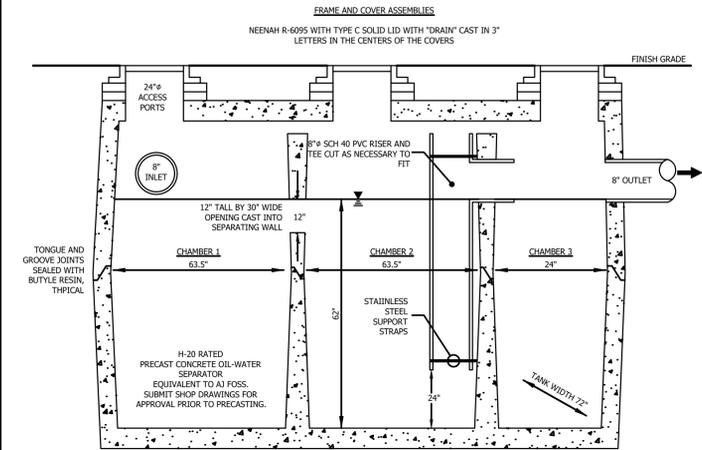
**STORMWATER MANAGEMENT PLAN**

NO.	DATE	REVISION DESCRIPTION	ENG	DWG
1	8/12/22	REVISED PER TOWN COMMENTS	JFH	JFH

DATE: JUNE 2022 PROJECT #: 220473  
 ENG'D BY: JFH DRAWN BY: JFH  
 CHECK'D BY: DEB ARCHIVE #: H-  
 SMP 1.01

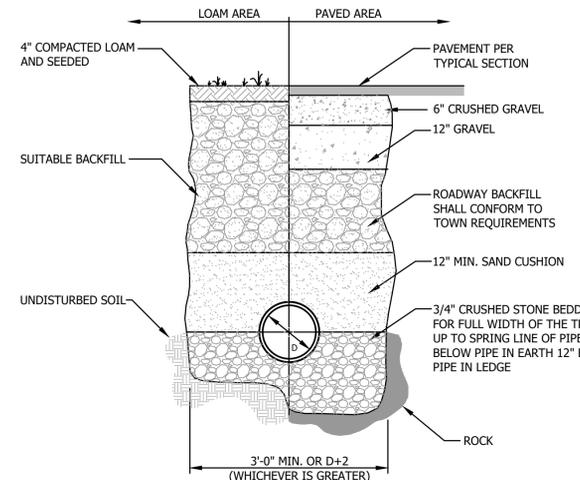


CONCRETE PAD GRADING PLAN



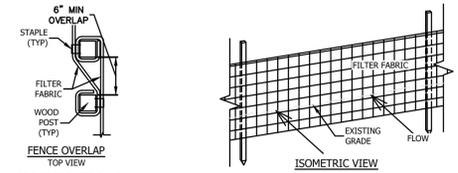
OIL/WATER SEPARATOR DETAIL

NO SCALE  
 TANK DIMENSIONS ARE BASED ON THE 43 FOSS 1,500 GALLON H-20 RATED TANK.  
 PER NHDES ADMINISTRATIVE RULE Env-Wq 1508.14(C).  
 THE FIRST AND SECOND CHAMBERS SHALL HAVE A MINIMUM STORAGE VOLUME OF 400 CF/ACRE  
 OF CONTRIBUTING IMPERVIOUS AREA. THIS PROPOSAL: 0.40 ACRES.  
 THEREFORE: (0.40 AC)(400 CF/ACRE) = 160 CF (MINIMUM VOLUME REQUIRED)  
 CHAMBERS 1 AND 2 EACH CONTAIN 90 CF (180 CF TOTAL); CHAMBER 3 CONTAINS 16 CF.  
 UPSTREAM DSCB HAS OUTLETS CONFIGURED TO DIRECT RAIN EVENT "FIRST FLUSH" TO THE O/W SEPARATOR.



TYPICAL DRAINAGE TRENCH DETAIL

NOT TO SCALE



SILT FENCE DETAIL

NO SCALE  
 INSTALL AROUND STOCKPILED MATERIALS AND THROUGHOUT THE SITE USING BEST MANAGEMENT PRACTICES

**FRAME AND COVER ASSEMBLY**  
 NEENAH R-6995 WITH TYPE C SOLID LID WITH "DRAIN" CAST IN 3" LETTERS IN THE CENTERS OF THE COVERS

**FRAME AND GRATE ASSEMBLY**  
 NEENAH FOUNDRY COMPANY R-4765-A (NHDOT TYPE B)  
 FINISHED GRADE, WHERE ADJACENT TO CURB, WARP PAVEMENT PER NHDOT STANDARD DR-2 PLATE 4.

**TOE IN METHOD**

**ISOMETRIC VIEW**

**TOP VIEW**

**TOE IN METHOD**

**FRAME AND GRATE ASSEMBLY**  
 NEENAH FOUNDRY COMPANY R-4765-A (NHDOT TYPE B)  
 FINISHED GRADE, WHERE ADJACENT TO CURB, WARP PAVEMENT PER NHDOT STANDARD DR-2 PLATE 4.

**HOOD VENT**  
 8" MIN.

**OUTLET PIPE**  
 HOOD ON DISC—2 ONLY  
 1/2" OUTLET DIAMETER, 12" MIN.

**MINIMUM 48" INSIDE DIAMETER**

**TONGUE AND GROOVE JOINTS**

**LIBRARY OF SECTIONS AVAILABLE FROM 12" TO 48"**

**LIBRARY OF SECTIONS AVAILABLE FROM 12" TO 48"**

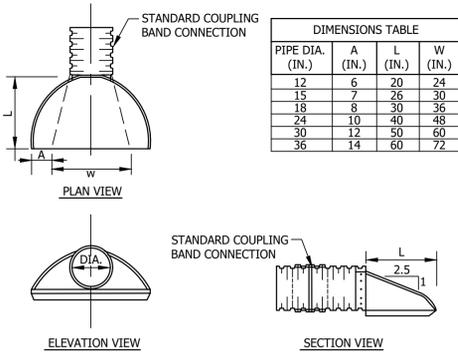
**1. ALL PRECAST SECTIONS SHALL BE CONCRETE CLASS A (4000 PSI) H-20 RATED.**  
**2. CIRCUMFERENTIAL REINFORCING SHALL BE 0.12 SQ. IN. PER LIN. FT. IN ALL SECTIONS, AND SHALL BE PLACED IN THE CENTER THIRD OF THE WALL.**  
**3. THE TONGUE OR THE GROOVE OF THE JOINT SHALL CONTAIN ONE LINE OF CIRCUMFERENTIAL REINFORCEMENT EQUAL 0.12 SQ. IN. PER LIN. FT.**  
**4. RISERS OF 12", 24", 36" AND 48" CAN BE USED TO REACH DESIRED ELEV.**  
**5. WHERE THE DSCB IS PLACED ADJACENT TO CURBING USE ECCENTRIC CONE OR FLAT TOP AND GRADE PAVEMENT PER NHDOT PLATE DR-D-A, D-980-E.**  
**6. OUTLET HOODS EQUIVALENT TO ADD "ELIMINATOR".**

SILT FENCE DETAIL

NOT TO SCALE  
 INSTALL AROUND STOCKPILED MATERIALS AND THROUGHOUT THE SITE USING BEST MANAGEMENT PRACTICES

DEEP SUMP CATCH BASIN DETAIL

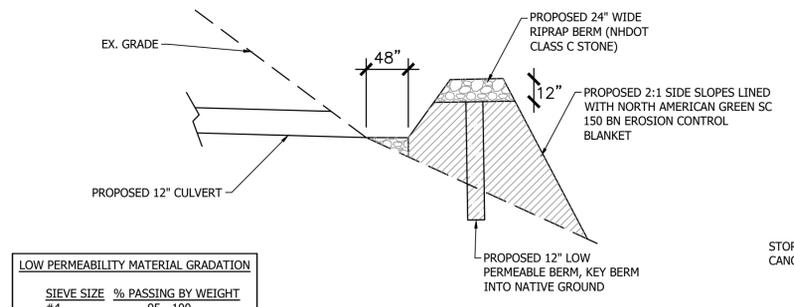
NO SCALE



FLARED END SECTION DETAIL

NO SCALE

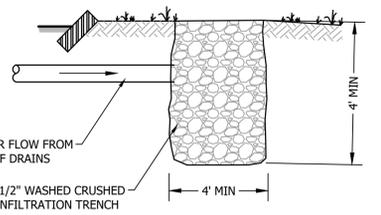
PIPE DIA. (IN.)	A (IN.)	L (IN.)	W (IN.)
12	6	20	24
15	7	26	30
18	8	30	36
24	10	40	48
30	12	50	60
36	14	60	72



LEVEL SPREADER DETAIL

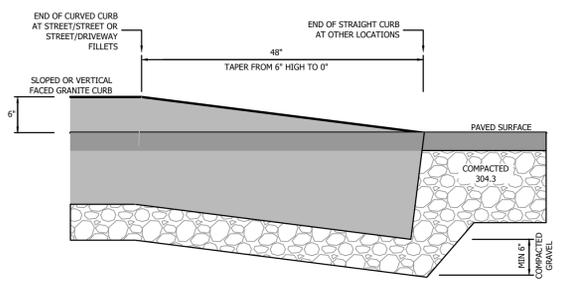
NOT TO SCALE

SIEVE SIZE	% PASSING BY WEIGHT
#4	95 - 100
#40	60 - 95
#100	40 - 60
#200	25 - 45

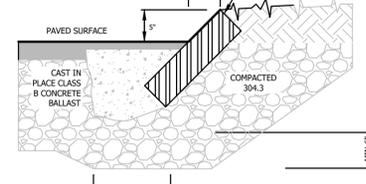


INFILTRATION TRENCH

NOT TO SCALE



ELEVATION AT CURB END



SECTION SLOPED CURB

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STORMWATER MANAGEMENT DETAILS

NO.	DATE	REVISION DESCRIPTION	ENG	DWG
1	8/12/22	REVISED PER TOWN COMMENTS	JH	JH



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 CHECK'D BY: DEB ARCHIVE #: H-  
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