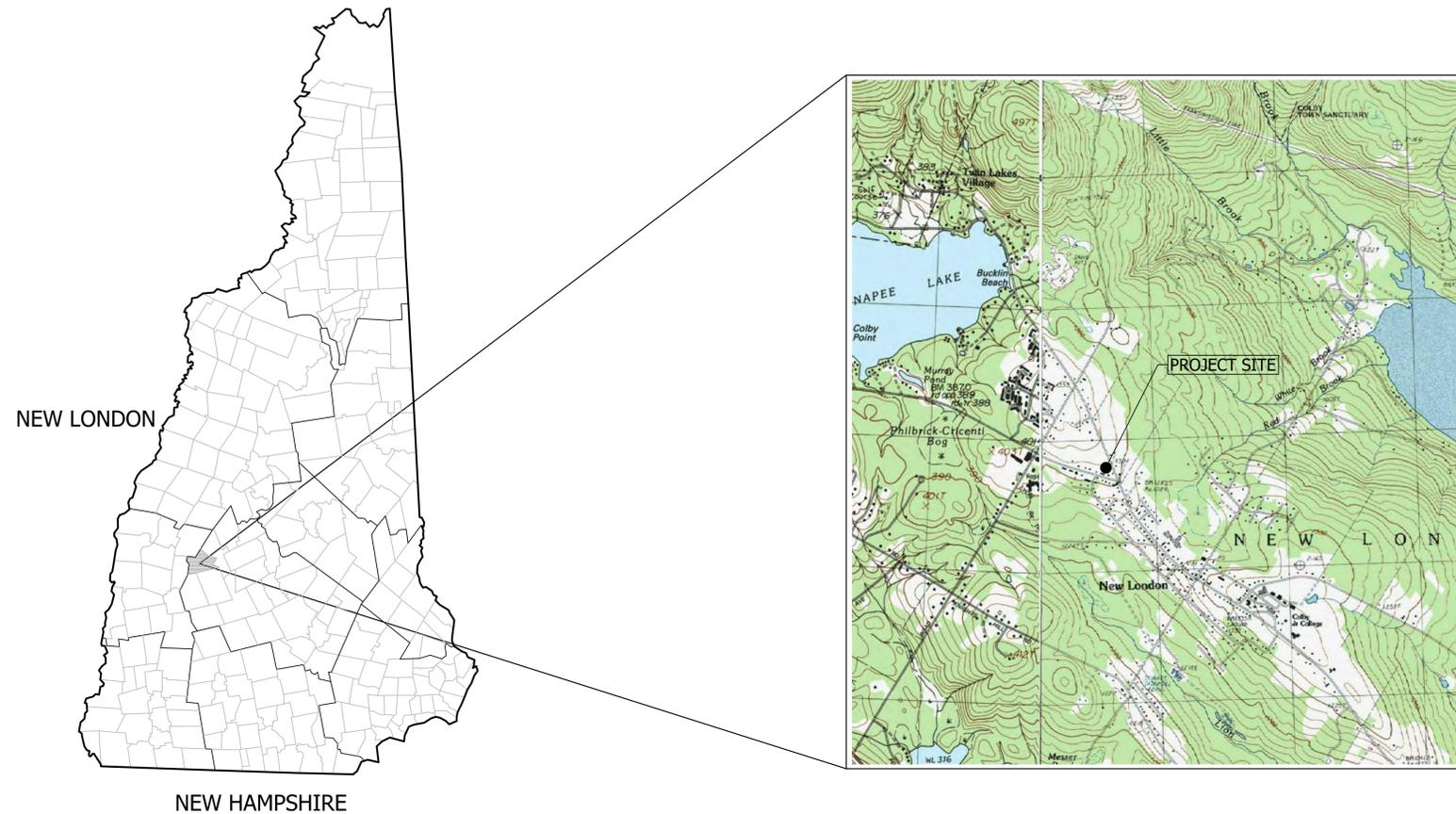


29 LITTLE SUNAPEE ROAD LLC

29 LITTLE SUNAPEE ROAD

NEW LONDON, NEW HAMPSHIRE

AUGUST 2020



LOCATION PLAN

SCALE: 1" = 2000'

OWNER:

29 LITTLE SUNAPEE ROAD LLC
 C/O ECKHARD BRAUSE
 29 LAKEWOOD MANOR ROAD
 NEWBURY, NH 03255

DESIGN-BUILD FIRM:

SNOW BUILDING CONSTRUCTION
 49 NEWPORT ROAD
 NEW LONDON, NH 03257
 (603) 526-2700

ENGINEER & SURVEYOR:



176 NEWPORT ROAD
 PO BOX 1825
 NEW LONDON, NH 03257
 (603) 877-0116

SHEET LIST:

COVER SHEET	COVER SHEET
C1.0	BOUNDARY PLAN
C1.1	EXISTING CONDITIONS PLAN
C1.1D	DEMOLITION PLAN
C2.1	LAYOUT AND GRADING PLAN
C2.2	LANDSCAPING PLAN
C3.1	CONSTRUCTION SEQUENCE, EROSION CONTROL NOTES AND DETAILS
C3.2-3.4	DETAILS
C1	SITE PLAN
A1	FIRST FLOOR PLAN
A6	ELEVATIONS
A7	EAST ELEVATION
A9	STREET ELEVATION
A10	WEST ELEVATION

PERMIT NOTES

THIS PROJECT SHALL COMPLY WITH ALL CONDITIONS OF ALL PERMITS FOR THE PROJECT. COPIES OF THESE PERMITS MAY BE REQUESTED FROM THE HEI NEW LONDON OFFICE.

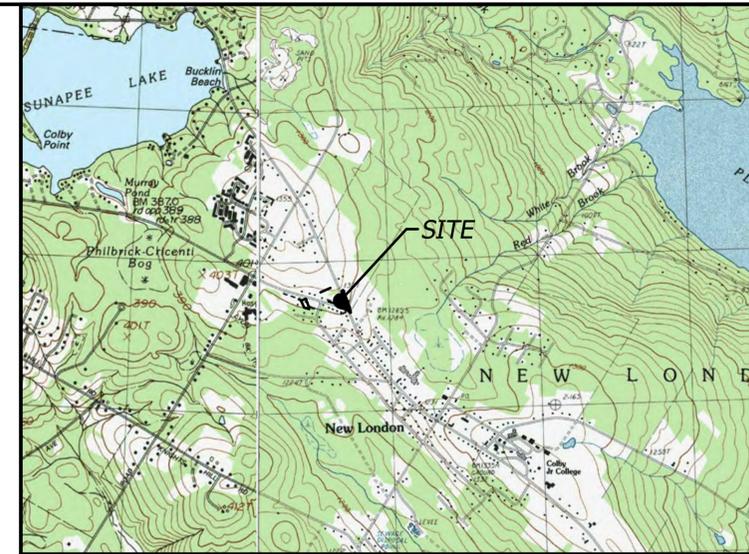
TOWN OF NEW LONDON SITE PLAN REVIEW	PENDING
TOWN OF NEW LONDON SEWER CONNECTION PERMIT	PENDING
NEW LONDON - SPRINGFIELD WATER SYSTEM PERMIT	PENDING
NHDOT EXCAVATION PERMIT	PENDING
NHDOT DRIVEWAY PERMIT	PENDING

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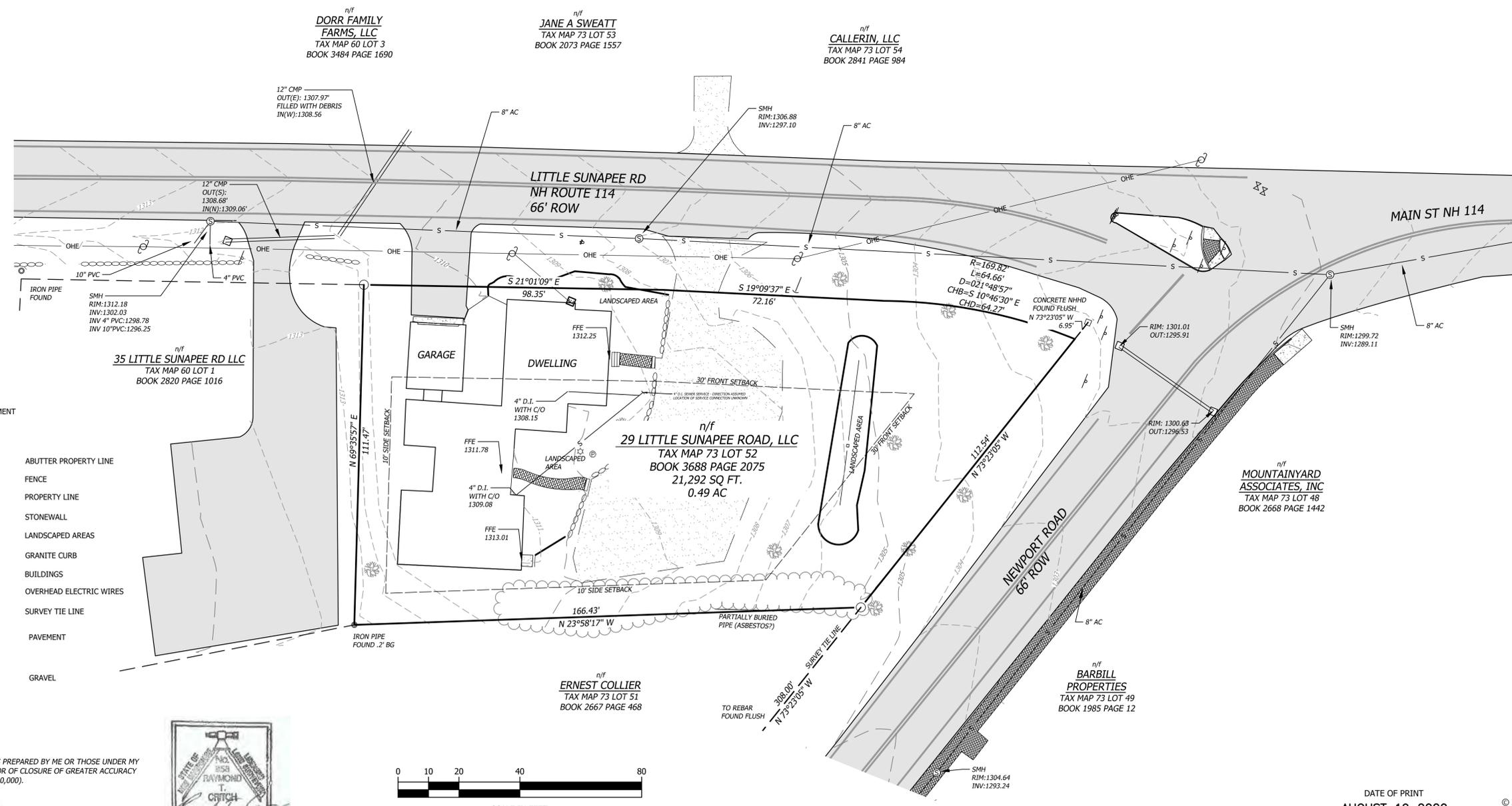
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GENERAL NOTES

- OWNER OF RECORD
29 LITTLE SUNAPEE ROAD, LLC
29 LAKEWOOD MANOR ROAD
NEWBURY, NH 03255
- DEED REFERENCE:
FIDUCIARY DEED FROM STEPHANIE J. POWERS, SUCCESSOR TRUSTEE OF THE JAYNE POWERS REVOCABLE TRUST OF 2002. DATED JULY 24, 2020. RECORDED JULY 30, 2020 AT THE MERRIMACK COUNTY REGISTRY OF DEEDS AS BOOK 3688 PAGE 2075.
- THE BASIS OF BEARING IS GRID. THE HORIZONTAL DATUM IS ON THE NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM NAD83 (2011). THE VERTICAL DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE ORTHOMETRIC HEIGHT WAS COMPUTED USING GEOID 12B. THE DATUMS WERE DERIVED FROM STATIC GPS OBSERVATIONS TAKEN AT THE TIME OF THE FIELD SURVEY AND PROCESSED USING THE ONLINE POSITIONING USER SYSTEM (OPUS).
- THIS PLAN IS BASED ON A FIELD SURVEY COMPLETED IN JUNE OF 2020 WITH TOPCON HIPER-V DUAL FREQUENCY SURVEY GRADE GPS RECEIVERS AND A LEICA TS12 ROBOTIC TOTAL STATION.
- THE PROPERTY BOUNDARY WAS COMPILED FROM THE DEEDS OF RECORD, REFERENCE PLANS AND EVIDENCE FOUND IN THE FIELD. ABUTTING PROPERTY LINES ARE APPROXIMATE PER THE TOWN OF NEW LONDON TAX MAPS.
- THE PROPERTY IS ZONED COMMERCIAL.
- FRONT SETBACK 30' SIDE/REAR SETBACK 10'



VICINITY MAP
1" = 2000



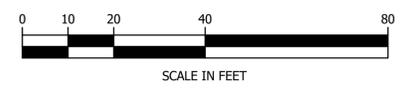
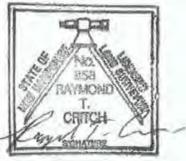
LEGEND

- UTILITY POLE
- DECIDUOUS TREE
- SIGN
- SEWER MANHOLE
- IRON PIPE FOUND
- NH HIGHWAY MONUMENT FOUND
- GATE VALVE

- ABUTTER PROPERTY LINE
- FENCE
- PROPERTY LINE
- STONEWALL
- LANDSCAPED AREAS
- GRANITE CURB
- BUILDINGS
- OVERHEAD ELECTRIC WIRES
- SURVEY TIE LINE
- PAVEMENT
- GRAVEL

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED BY ME OR THOSE UNDER MY DIRECT SUPERVISION AND HAS AN ERROR OF CLOSURE OF GREATER ACCURACY THAN ONE PART IN TEN THOUSAND (1:10,000).

Raymond T. Critch
RAYMOND T. CRITCH, LLS 858
08/19/2020
DATE



BOUNDARY & EXISTING CONDITIONS PLAN FOR
29 LITTLE SUNAPEE ROAD LLC
FOR LANDS LOCATED AT
TAX MAP 73 LOT 52
LITTLE SUNAPEE RD, NEW LONDON, NH

BOUNDARY PLAN

NO.	DATE	REVISION DESCRIPTION	ENG	DWG
1	08/19	UPDATE OWNER OF RECORD	RTC	RTC

DATE:	PROJECT #:
JUN 29 2020	20827
SURV'D BY:	DRAWN BY:
BDD	BDD
CHECK'D BY:	ARCHIVE #:
RTC	

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GENERAL NOTES

- THIS PLAN IS BASED ON A FIELD SURVEY COMPLETED IN JUNE OF 2020 WITH TOPCON HIPER-V DUAL FREQUENCY SURVEY GRADE GPS RECEIVERS AND A LEICA TS12 ROBOTIC TOTAL STATION. THE PROPERTY BOUNDARY WAS COMPILED FROM THE DEEDS OF RECORD, REFERENCE PLANS AND EVIDENCE FOUND IN THE FIELD. ABUTTING PROPERTY LINES ARE APPROXIMATE PER THE TOWN OF NEW LONDON TAX MAPS.
- THE NEW LONDON BARN PLAYHOUSE, INC. PROPERTY IS LOCATED IN THE COMMERCIAL ZONING DISTRICT AND THE FOLLOWING SETBACKS APPLY:
 - 30 FT FRONT SETBACK
 - 30 FT CORNER SETBACK (APPLIES TO THIS LOT)
 - 10 FT REAR SETBACK
 - 10 FT SIDE SETBACK
- NO EXISTING MONUMENTS, BOUNDS, OR BENCHMARKS SHALL BE DISTURBED WITHOUT FIRST MAKING PROVISIONS FOR RELOCATION.
- ALL WORK SHALL BE PERFORMED WITHIN THE PROPERTY OF, AND EASEMENTS SECURED BY, THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DATA COLLECTION AND PREPARATION OF RECORD DRAWINGS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONTROLLING EROSION IN ALL AREAS DISTURBED BY HIS ACTIONS. COSTS FOR REQUIRED EROSION CONTROL, REGARDLESS OF WHETHER OR NOT SUCH MEASURES ARE SHOWN ON THE ENGINEERING DRAWINGS, SHALL BE BORNE BY HIM.
- UTILITY LOCATIONS ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR LOCATION AND PROTECTION OF EXISTING UTILITIES AND SHALL REPAIR ANY DAMAGE AS QUICKLY AS POSSIBLE AT HIS OWN EXPENSE. ALL UTILITIES ENCOUNTERED SHALL BE LOCATED BY DEPTH AND TIES AND SHOWN BY THE CONTRACTOR ON HIS "AS BUILT" DRAWINGS. HAND EXCAVATION SHALL BE DONE WHEREVER UNDERGROUND UTILITIES ARE SHOWN OR ANTICIPATED. THE CONTRACTOR SHALL CONTACT DIG SAFE AND THE APPROPRIATE AUTHORITIES PRIOR TO ANY CONSTRUCTION IN ORDER TO VERIFY EXISTING CONDITIONS AND UTILITY LOCATIONS.
- THE BASIS OF BEARING IS GRID. THE HORIZONTAL DATUM IS ON THE NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM NAD83 (2011). THE VERTICAL DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE ORTHOMETRIC HEIGHT WAS COMPUTED USING GEOID 12B. THE DATUMS WERE DERIVED FROM STATIC GPS OBSERVATIONS TAKEN AT THE TIME OF THE FIELD SURVEY AND PROCESSED USING THE ONLINE POSITIONING USER SYSTEM (OPUS).

SOIL LEGEND

SYMBOL	NAME	HYDROLOGIC SOIL GROUP
76	MARLOW	C
37B	PERU	C/D

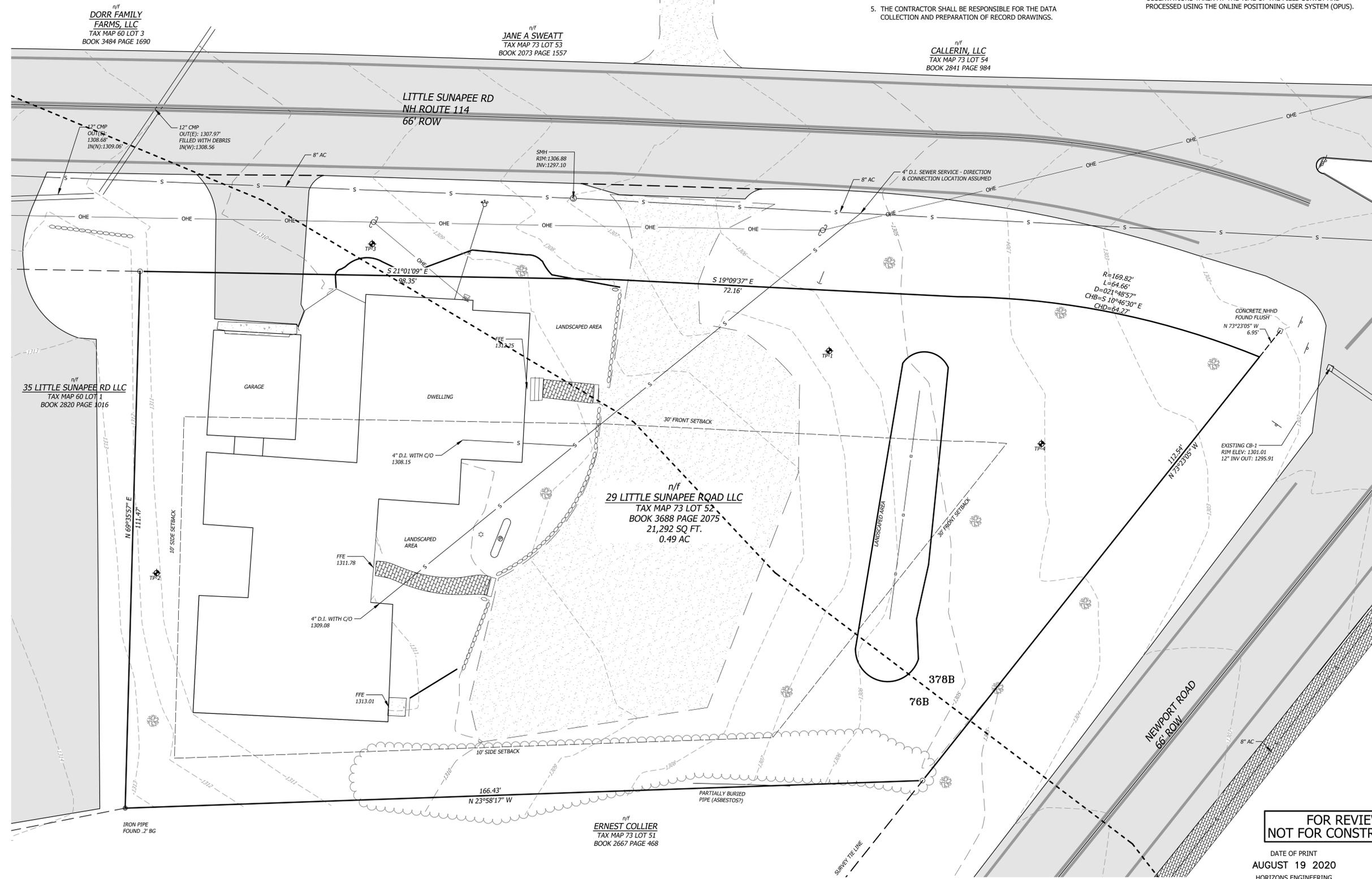
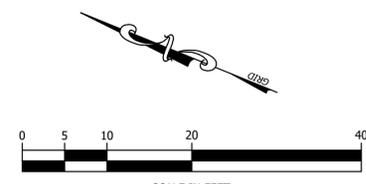
INDICATES SOIL TYPE **37B**

INDICATES SLOPE OF LAND

- A = 0 TO 3 PERCENT SLOPE
- B = 3 TO 8 PERCENT SLOPE
- C = 8 TO 15 PERCENT SLOPE
- D = 15 TO 25 PERCENT SLOPE
- E = GREATER THAN 25 PERCENT

LEGEND

	UTILITY POLE
	DECIDUOUS TREE
	SIGN
	SEWER MANHOLE
	IRON PIPE FOUND
	NH HIGHWAY MONUMENT FOUND
	GATE VALVE
	ABUTTING PROPERTY LINE
	FENCE
	PROPERTY LINE
	STONEWALL
	LANDSCAPED AREAS
	GRANITE CURB
	BUILDINGS
	OVERHEAD ELECTRIC WIRES
	SURVEY TIE LINE
	PAVEMENT
	GRAVEL



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EXISTING CONDITONS

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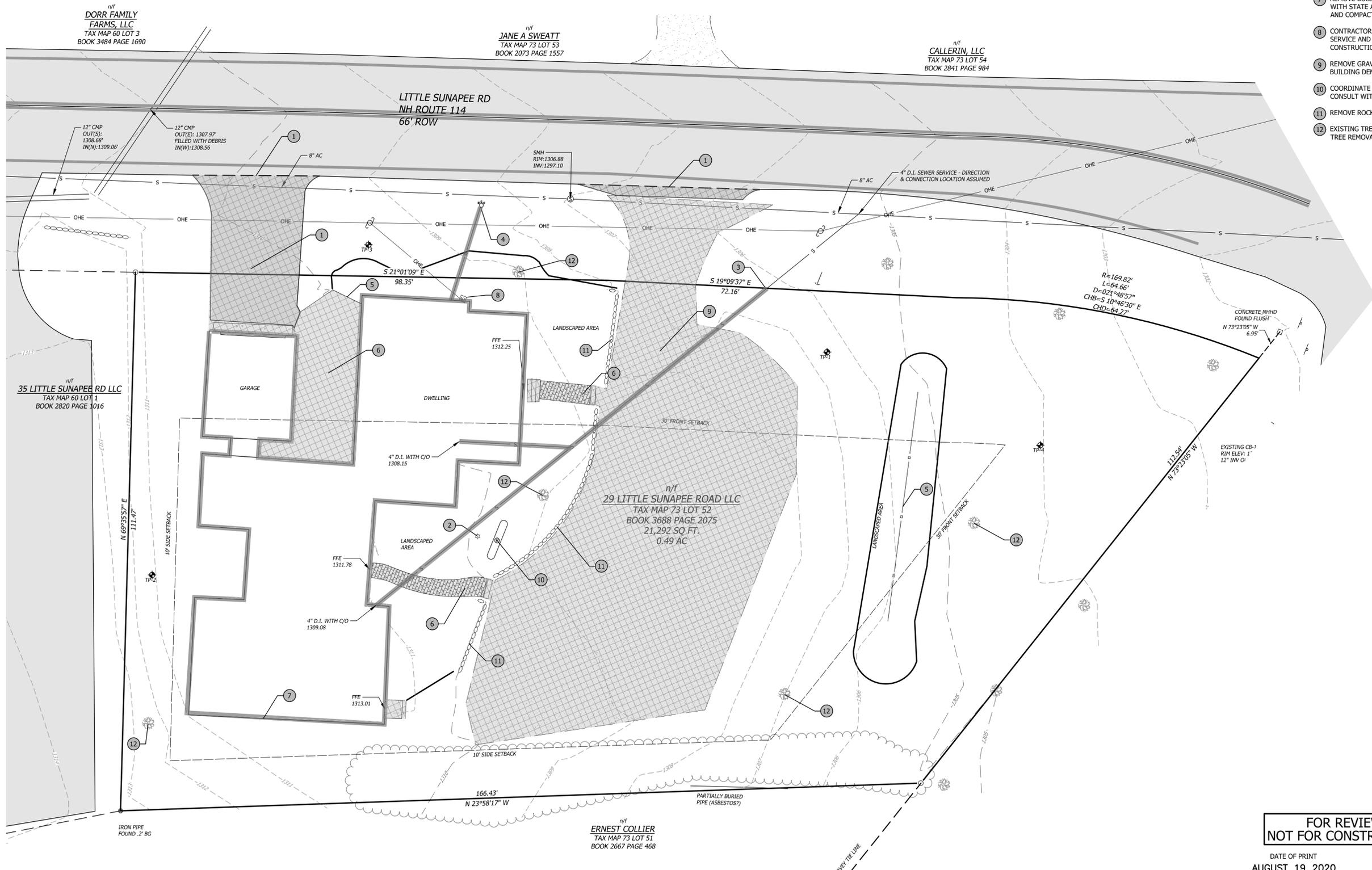
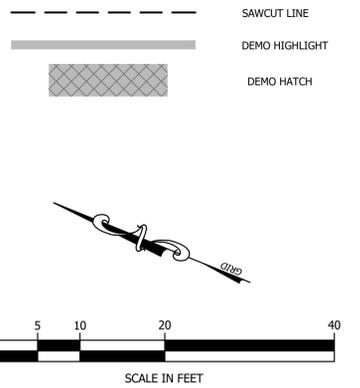
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DEMO NOTES

- 1 REMOVE EXISTING BITUMINOUS PAVEMENT AND DISPOSE OF OFF SITE. SAWCUT PAVEMENT AS INDICATED ON THE PLANS. SEE PAVEMENT JOINING DETAIL.
- 2 REMOVE EXISTING SITE LIGHTS AND CORRESPONDING UNDERGROUND ELECTRICAL CONDUIT, WIRE, AND CONNECTION BOXES AND DISPOSE OF OFF SITE.
- 3 CUT AND CAP EXISTING SEWER INFRASTRUCTURE. LOCATE HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING SERVICE FOR PROPOSED BUILDING CONNECTION. MARK THE LOCATION FOR PROPOSED CONNECTION. DISPOSE OF OLD SEWER MATERIALS OFF SITE.
- 4 CUT AND CAP EXISTING WATER SERVICE. REMOVE THE SECTION OF WATER SERVICE TO THE EXISTING CURB STOP. MARK THE LOCATION FOR PROPOSED CONNECTION. DISPOSE OF OLD WATER SERVICE OFF SITE.
- 5 REMOVE EXISTING WOODEN FENCE. CONSULT WITH THE OWNER TO CONFIRM SALVAGE OR DISPOSAL.
- 6 REMOVE EXISTING PAVER PATIO AND BRICK WALKWAYS. DISPOSE OF MATERIALS OFF SITE.
- 7 REMOVE BUILDING, FOUNDATION AND ALL CORRESPONDING MATERIALS IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS. FILL CELLAR HOLES WITH SUITABLE MATERIAL AND COMPACT IN 12" LIFTS.
- 8 CONTRACTOR SHALL COORDINATE WITH UTILITY TO REMOVE POWER TO EXISTING SERVICE AND PROVIDE TEMPORARY SERVICE METER DURING DEMOLITION & CONSTRUCTION.
- 9 REMOVE GRAVEL DRIVEWAY. SALVAGE MATERIAL TO FILL CELLAR HOLES FOLLOWING BUILDING DEMOLITION. LOAM AND SEED AREAS.
- 10 COORDINATE REMOVAL OF PROPANE TANK WITH EXISTING PROVIDER. CONTRACTOR SHALL CONSULT WITH OWNER TO CONFIRM SALVAGE OR DISPOSAL.
- 11 REMOVE ROCK WALL AND DISPOSE OF MATERIAL OFF SITE.
- 12 EXISTING TREES SHALL BE REMOVED INCLUDING ROOTS. CONSULT WITH OWNER PRIOR TO TREE REMOVAL OUTSIDE OF DISTURBANCE AREA.

DEMO LEGEND



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DEMOLITION PLAN

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PRE-CONSTRUCTION IMPERVIOUS AREA	
STRUCTURE	AREA (SF)
PRIMARY STRUCTURE + ATTACHED DECKS + GARAGE	3,599
DRIVEWAY - PAVED	219
DRIVEWAY - GRAVEL	3,880
WALKWAYS + STAIRS	166
TOTAL IMPERVIOUS	7,864
TOTAL LOT AREA	21,292
PRE-CONSTRUCTION % COVERAGE	36.9%

POST-CONSTRUCTION IMPERVIOUS AREA	
STRUCTURE	AREA (SF)
PRIMARY STRUCTURE + ENTRY + GARAGE	3,858
DRIVEWAY - PAVED	5,657
TOTAL IMPERVIOUS	9,515
TOTAL CHANGE IN IMPERVIOUS	1,651
TOTAL LOT AREA	21,292
POST-CONSTRUCTION % COVERAGE	44.7%

SITE DATA

ZONE: COMMERCIAL
 EXISTING USE: COMMERCIAL
 PROPOSED USE: COMMERCIAL

DIMENSIONAL REQUIREMENTS

MINIMUM LOT DIMENSIONS	REQUIRED	PROVIDED
LOT AREA	-- SF	21,292 SF
FRONTAGE	-- FT	347.70 FT

MINIMUM SETBACK DIMENSIONS

	REQUIRED	PROVIDED
FRONT	30 FT	> 30 FT
SIDE	10 FT	> 10 FT
REAR	10 FT	> 10 FT
MIN. % LANDSCAPED OPEN AREA	35%	50.8%

SNOW STORAGE NOTE

NEW LONDON SITE PLAN REVIEW REGULATIONS REQUIRE STORAGE BE PROVIDED EQUAL TO 20% OF PARKING, AISLE, AND DRIVEWAY AREAS

AISLE, PARKING, DRIVEWAY : 5,657 SF
 REQUIRED SNOW STORAGE : 1,132 SF
 SNOW STORAGE AREA #1: 636 SF
 SNOW STORAGE AREA #2: 562 SF
 PROVIDED SNOW STORAGE : 1,198 SF

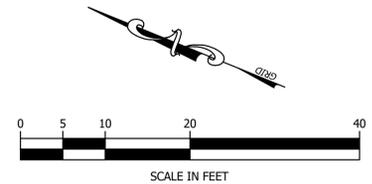
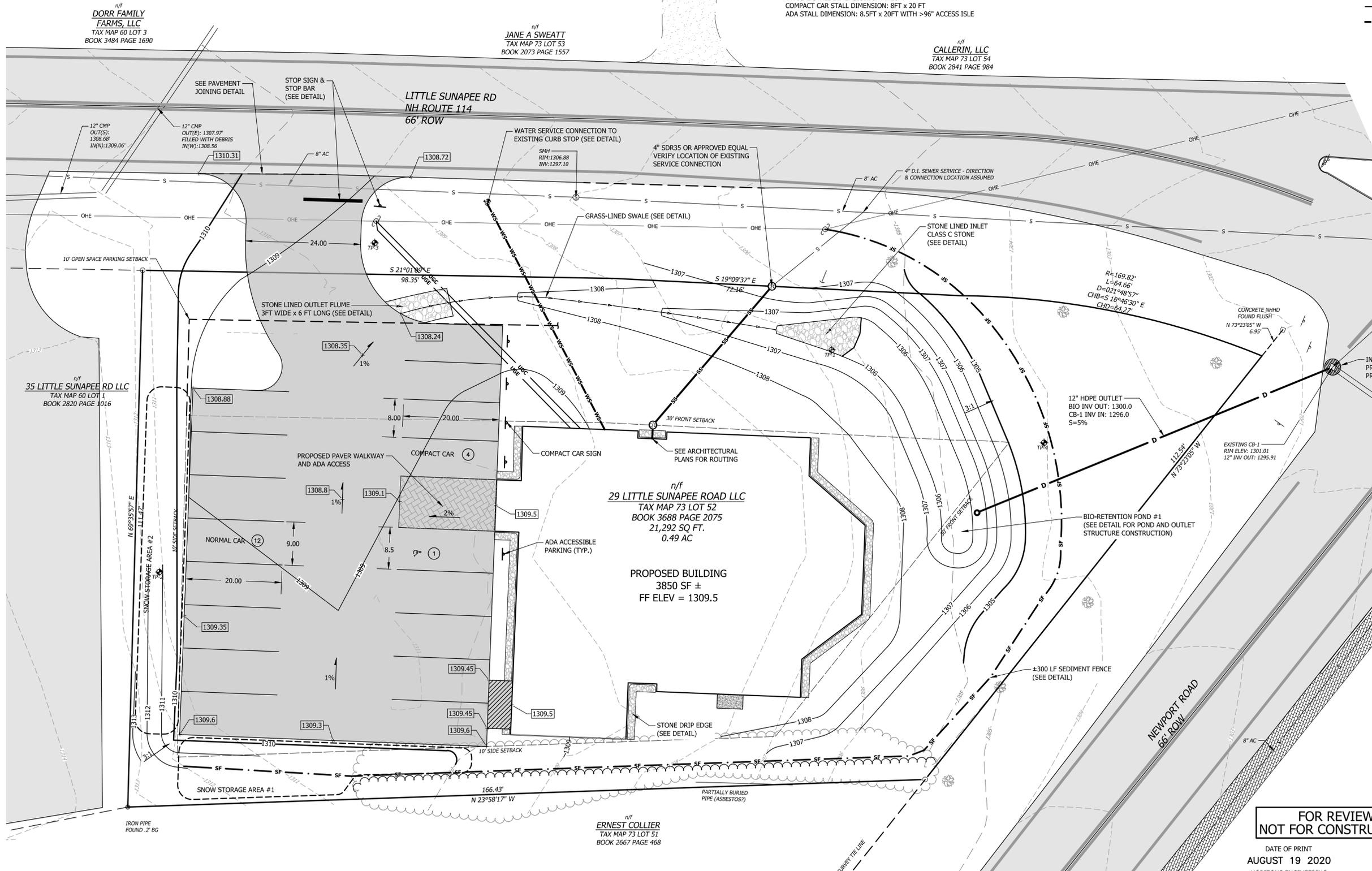
PROPOSED LEGEND

- MAJOR CONTOUR
- MINOR CONTOUR
- BUILDING
- DRAIN PIPE
- OPEN SPACE SETBACK
- PAVEMENT MARKINGS
- SEWER SERVICE
- SEDIMENT FENCE
- UNDERGROUND ELECTRIC
- UNDERGROUND COMMUNICATIONS
- WATER SERVICE
- PAVEMENT
- PAVERS

PARKING SUMMARY

REQUIRED PARKING FOR MERCANTILE - RETAIL SALES USE:
 # 1000 GROSS SQUARE FOOT x 4 = (3,892 GSF/1000) x 4
 ≈ 16 REQUIRED PARKING SPACES

PROPOSED: 17 SPACES
 TYPICAL STALL DIMENSION: 9FT x 20FT
 COMPACT CAR STALL DIMENSION: 8FT x 20 FT
 ADA STALL DIMENSION: 8.5FT x 20FT WITH >96" ACCESS ISLE



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SITE PLAN

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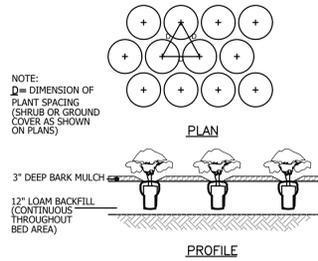
PLANTING SCHEDULE

TREE PLANTING LIST

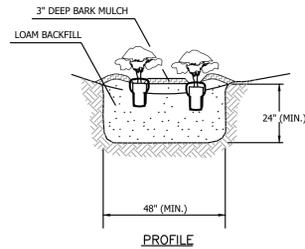
SYMBOL	NAME (COMMON)	SIZE/ROOT	QUANTITY
AB	ABIES BALSAMEA (BALSAM FIR)	7-8' HT./B&B	3
AR	ACER RUBRUM (RED MAPLE)	2.5-3" CAL./B&B	1
TOTAL TREES			4

SHRUB PLANTING LIST

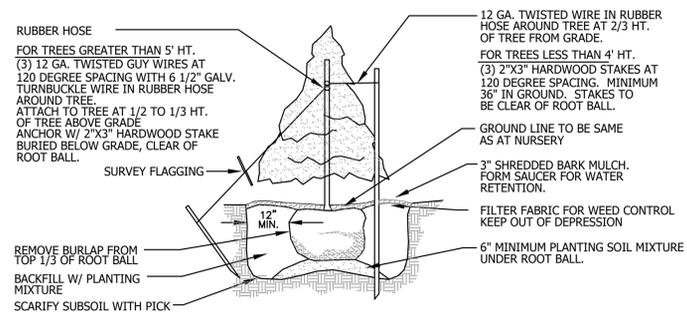
BB	MONDRA FISTULOSA (BEEBALM)	1GAL/CONT	14
NEA	SYMPHYOTRICHUM (NEW ENGLAND ASTER)	1GAL/CONT	29
US	CAREX STRICTA (UPRIGHT SEDGE)	1GAL/CONT	18
RC	ARONIA ARBUTTOLIA (RED CHOKEBERRY)	5GAL/CONT	2
TOTAL SHRUBS			63



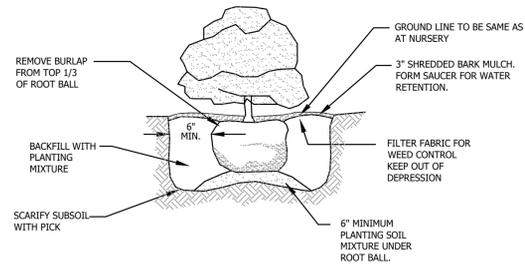
BED PLANT SPACING



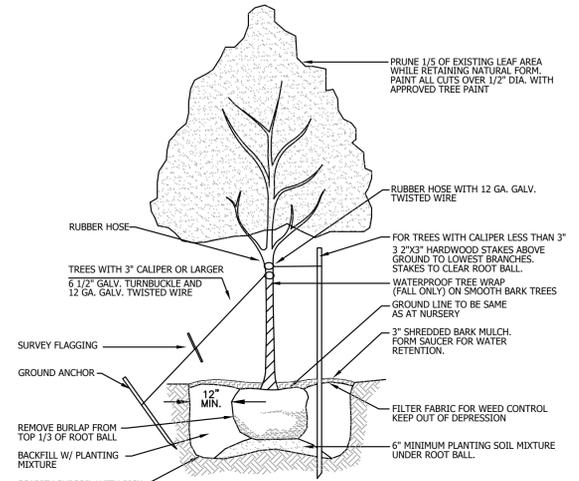
SHRUB TRENCH PLANTING



EVERGREEN TREE PLANTING



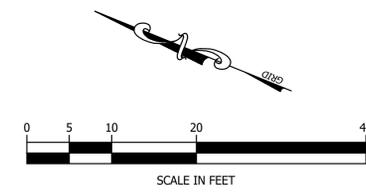
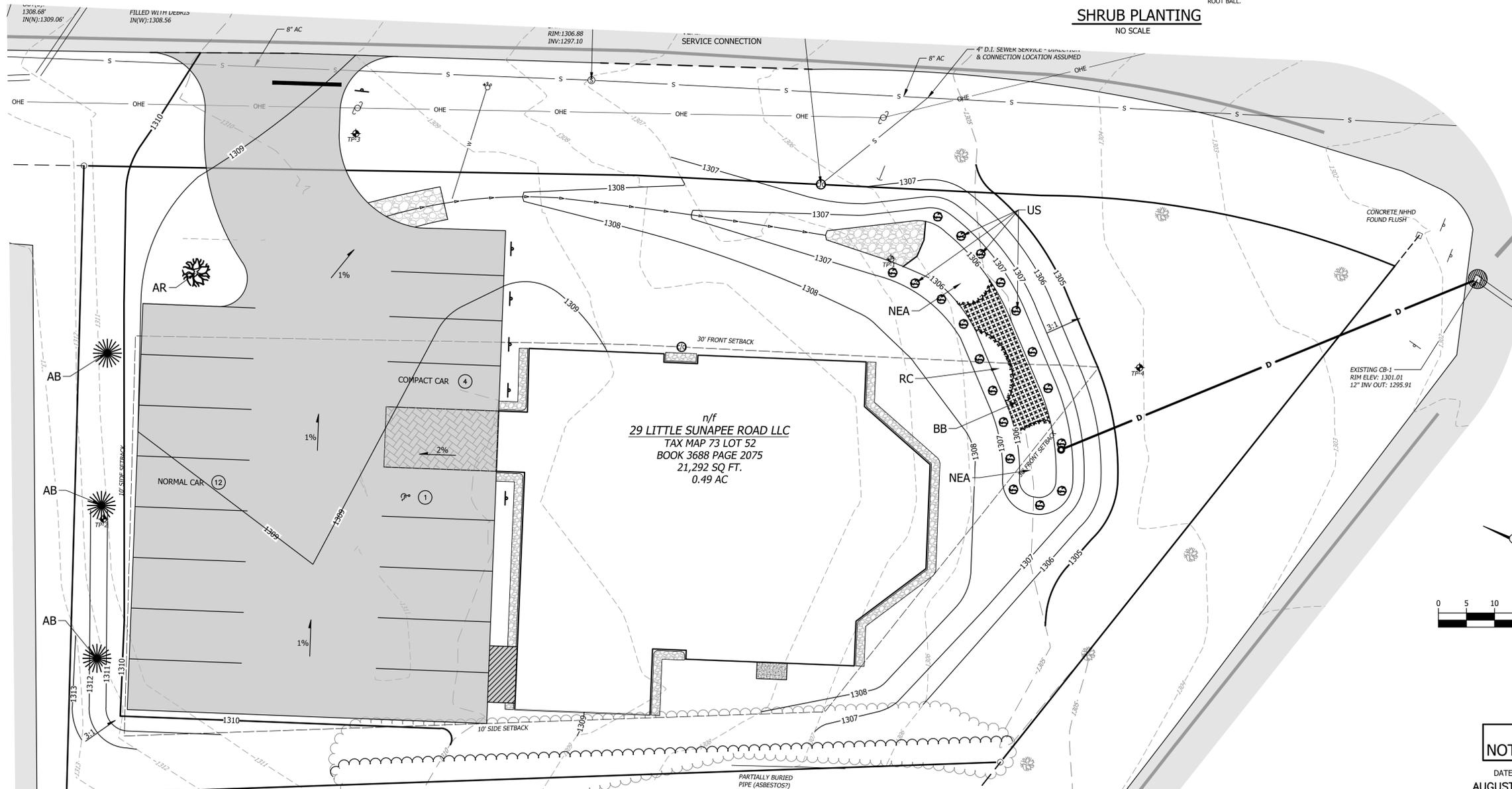
SHRUB PLANTING



DECIDUOUS TREE PLANTING

PLANTING NOTES:

1. ALL PLANT MATERIAL SHALL BE GUARANTEED TO REMAIN ALIVE AND HEALTHY FOR ONE FULL CALENDAR YEAR FROM TIME OF PLANTING.
2. BARK MULCHING: USE SHREDDED PINE BARK; FREE OF STICKS, DIRT, DUST AND DEBRIS, IN ALL THE PLANTING BED AREAS AND AROUND TREES. A DEPTH OF (3) INCHES THICK SHALL BE PLACED ON THE FINISH GRADE OF ALL PLANTS UNLESS OTHERWISE SPECIFIED.
3. TREE STAKING: REMOVE STAKES AFTER ONE GROWING SEASON.
4. TREE WRAPPING: USE AS APPROPRIATE. INSPECT TREE WRAP FREQUENTLY AND REMOVE DURING PERIODS OF ACTIVE GROWTH.
5. TOPSOIL MIX: THE BACK FILL MIX SHALL BE COMPOSED OF 95% SCREENED LOAM AND 5% CANADIAN SPHAGNUM PEAT MOSS OR EQUAL. NO FERTILIZER IS REQUIRED IN THE TOPSOIL MIX.
6. LAWN SEED AT BUILDING SITES AND FLAT AREAS FIRST, ROUGH GRADE AREA AS REQUIRED, THEN INSTALL (6) INCHES OF SCREENED LOAM IN THE LAWN AREAS. FINE GRADE LOAM TO AN EVEN SURFACE. SEED AREA NEAR BUILDING THAT IS IRRIGATED WITH A "CLASSIC SUNNY TURF MIX" BY LESCO INC. (603-647-4138) OR EQUAL. SEED AREA AWAY FROM BUILDING THAT IS NOT IRRIGATED WITH "PARK AND ATHLETIC MIX" BY LESCO INC. OR EQUAL. LIME AREA AT A RATE OF 50 LBS. PER 1000 SQ.FT. USE A STARTER FERTILIZER AND APPLY AS RECOMMENDED BY SUPPLIER. FOR EROSION CONTROL WHERE NECESSARY, USE CLEAN STRAW MULCH OR OTHER APPROVED MATERIALS.



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LANDSCAPING PLAN

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SEEDING RECOMMENDATIONS

1. GRADING AND SHAPING

A. SLOPES SHALL NOT BE STEEPER THAN 2:1; 3:1 SLOPES OR FLATTER ARE PREFERRED. WHERE MOWING WILL BE DONE, 3:1 SLOPES OR FLATTER ARE RECOMMENDED.

2. SEEDBED PREPARATION

A. SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.

B. STONES LARGER THAN 4 INCHES AND TRASH SHOULD BE REMOVED BECAUSE THEY INTERFERE WITH SEEDING AND FUTURE MAINTENANCE OF THE AREA. WHERE FEASIBLE, THE SOIL SHOULD BE AMENDED WITH ORGANIC MATTER AND TILLED TO A DEPTH OF ABOUT 4 INCHES TO PREPARE A SEEDBED AND MIX FERTILIZER AND LIME THOROUGHLY INTO THE SOIL. THE SEEDBED SHOULD BE LEFT IN A REASONABLY FIRM AND SMOOTH CONDITION. THE LAST TILLAGE OPERATION SHOULD BE PERFORMED ACROSS THE SLOPE WHEREVER PRACTICAL.

3. ESTABLISHING VEGETATION

A. LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING AND INCORPORATED INTO THE SOIL. KINDS AND AMOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON AN EVALUATION OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE, THE FOLLOWING MINIMUM AMOUNTS SHOULD BE APPLIED:

-AGRICULTURAL LIMESTONE, 2 TONS PER ACRE OR 100 LBS. PER 1,000 SQ. FT.
 -NITROGEN (N), 50 LBS. PER ACRE OR 1.1 LBS. PER 1,000 SQ. FT.
 -PHOSPHATE (P₂O₅), 100 LBS. PER ACRE OR 2.2 LBS. PER 1,000 SQ. FT.
 -POTASH (K₂O), 100 LBS. PER ACRE OR 2.2 LBS. PER 1,000 SQ. FT.

(NOTE: THIS IS THE EQUIVALENT OF 500 LBS. PER ACRE OF 10-20-20 FERTILIZER OR 1,000 LBS. PER ACRE OF 5-10-10).

B. SEED SHOULD BE SPREAD UNIFORMLY BY THE METHOD MOST APPROPRIATE FOR THE SITE. METHODS INCLUDE BROADCASTING, DRILLING, AND HYDROSEEDING. WHERE BROADCASTING IS USED, COVER SEED WITH .25 INCH OF SOIL OR LESS, BY CULTIPACKING OR RAKING.

C. SEEDING GUIDE:

USE	SEEDING MIXTURE (SEE 3D)	SOIL TYPE			
		DROUGHTY	WELL DRAINED	MOD. WELL DRAINED	POORLY DRAINED
STEEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	A	FAIR	GOOD	GOOD	FAIR
	B	POOR	GOOD	FAIR	FAIR
	C	FAIR	EXCELLENT	EXCELLENT	POOR
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	A	GOOD	GOOD	GOOD	FAIR
	B	GOOD	GOOD	GOOD	FAIR
LIGHTLY USED PARKING LOTS, ODD AREAS, UNUSED LANDS, AND LOW INTENSITY USE RECREATION SITES	A	GOOD	GOOD	GOOD	FAIR
	B	GOOD	GOOD	FAIR	POOR

D. SEEDING RATES:

MIXTURE	POUNDS PER ACRE	POUNDS PER 1,000 SQ. FT.
A TALL FESCUE	20	0.45
CREeping RED FESCUE	20	0.45
REDTOP	2	0.05
TOTAL:	42	0.95
B TALL FESCUE	15	0.35
CREeping RED FESCUE	10	0.25
CROWN VETCH OR FLATPEA	15 OR 30	0.35 OR 0.75
TOTAL:	40 OR 55	0.95 OR 1.35
C TALL FESCUE	20	0.45
FLATPEA	30	0.75
TOTAL:	50	1.20

E. WHEN SEEDED AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO SEPTEMBER 15. WHEN SEEDED AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 10 TO SEPTEMBER 1.

F. TEMPORARY SEEDING RATES:

SPECIES	POUNDS PER ACRE	POUNDS PER 1,000 SQ. FT.	REMARKS
WINTER RYE	112	2.5	BEST FOR FALL SEEDING. SEED FROM AUGUST TO SEPTEMBER 5TH FOR BEST COVER. SEED TO A DEPTH OF 1 INCH.
OATS	80	2.0	BEST FOR SPRING SEEDING. SEED NO LATER THAN MAY 15TH FOR SUMMER PROTECTION. SEED TO A DEPTH OF 1 INCH.
ANNUAL RYEGRASS	40	1.0	GROWS QUICKLY, BUT IS OF SHORT DURATION. USE WHERE APPEARANCES ARE NOT IMPORTANT. SEED EARLY SPRING AND/OR BETWEEN AUGUST 15TH AND SEPTEMBER 15TH. COVER SEED WITH NO MORE THAN 0.25 INCH OF SOIL.
PERENNIAL RYEGRASS	30	0.7	GOOD COVER WHICH IS LONGER LASTING THAN ANNUAL RYEGRASS. SEED BETWEEN APRIL 1ST AND JUNE 1ST AND/OR BETWEEN AUGUST 15TH AND SEPTEMBER 15TH. MULCHING WILL ALLOW SEEDING THROUGHOUT THE GROWING SEASON. SEED TO A DEPTH OF APPROXIMATELY 0.5 INCH.

4. MULCH

A. HAY, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.

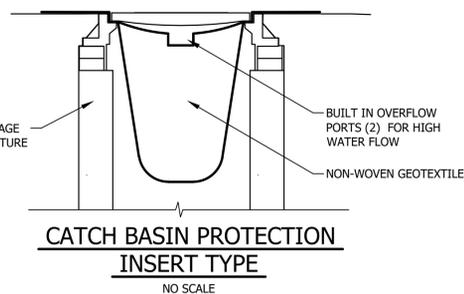
B. MULCH WILL BE HELD IN PLACE USING APPROPRIATE TECHNIQUES FROM THE BEST MANAGEMENT PRACTICE FOR MULCHING.

5. MAINTENANCE TO ESTABLISH A STAND

A. PLANTED AREAS SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE WEED GROWTH.

B. FERTILIZATION NEEDS SHOULD BE DETERMINED BY ON SITE INSPECTIONS. SUPPLEMENTAL FERTILIZER IS USUALLY THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIALS TAKE 2 TO 3 YEARS TO BECOME ESTABLISHED.

C. IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED, OCCASIONAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.



EROSION CONTROL GENERAL NOTES

A. KEEP SITE MODIFICATION TO A MINIMUM

1. CONSIDER FITTING THE BUILDINGS AND STREETS TO THE NATURAL TOPOGRAPHY. THIS REDUCES THE NEED FOR CUTS AND FILLS. AVOID EXTENSIVE GRADING THAT WOULD ALTER DRAINAGE PATTERNS OR CREATE VERY STEEP SLOPES.

2. EXPOSE AREAS OF BARE SOIL TO EROSION ELEMENTS FOR THE SHORTEST TIME POSSIBLE.

3. SAVE AND PROTECT DESIRABLE EXISTING VEGETATION WHERE POSSIBLE. ERECT BARRIERS TO PREVENT DAMAGE FROM CONSTRUCTION EQUIPMENT.

4. LIMIT THE GRADES OF SLOPES SO VEGETATION CAN BE EASILY ESTABLISHED AND MAINTAINED.

5. AVOID SUBSTANTIAL INCREASE IN RUNOFF LEAVING THE SITE.

B. MINIMIZE POLLUTION OF WATER DURING CONSTRUCTION ACTIVITIES

1. STOCKPILE TOPSOIL REMOVED FROM CONSTRUCTION AREA AND SPREAD OVER ANY DISTURBED AREAS PRIOR TO REVEGETATION. TOPSOIL STOCKPILES MUST BE PROTECTED FROM EROSION.

2. PROTECT BARE SOIL AREAS EXPOSED BY GRADING ACTIVITIES WITH TEMPORARY VEGETATION OR MULCHES.

3. USE SEDIMENT BASINS TO TRAP DEBRIS AND SEDIMENT WHICH WILL PREVENT THESE MATERIALS FROM MOVING OFF SITE.

4. USE DIVERSIONS TO DIRECT WATER AROUND THE CONSTRUCTION AREA AND AWAY FROM EROSION PRONE AREAS TO POINTS OF SAFE DISPOSAL.

5. USE TEMPORARY CULVERTS OR BRIDGES WHEN CROSSING STREAMS WITH EQUIPMENT.

6. PLACE CONSTRUCTION FACILITIES, MATERIALS, AND EQUIPMENT STORAGE AND MAINTENANCE AREAS AWAY FROM DRAINAGE WAYS.

C. PROTECT AREA AFTER CONSTRUCTION

1. ESTABLISH GRASS OR OTHER SUITABLE VEGETATION ON ALL DISTURBED AREAS. SELECT SPECIES ADAPTED TO THE SITE CONDITIONS AND THE FUTURE USE OF THE AREA. FINAL GRADES SHALL BE SEEDED WITHIN 72 HOURS. STABILIZATION SHALL BE DEFINED AS 85% VEGETATIVE COVER.

2. MAINTAIN VEGETATED AREAS USING PROPER VEGETATIVE 'BEST MANAGEMENT PRACTICES' DURING THE CONSTRUCTION PERIOD.

3. MAINTAIN NEEDED STRUCTURAL 'BEST MANAGEMENT PRACTICES' AND REMOVE SEDIMENT FROM DETENTION PONDS AND SEDIMENT BASINS AS NEEDED.

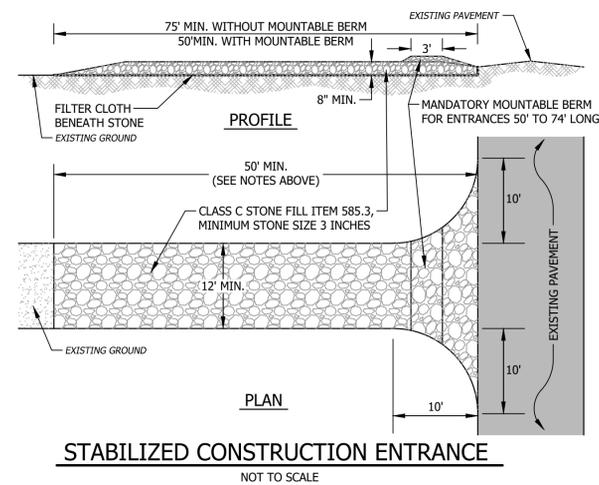
4. DETERMINE RESPONSIBILITY FOR LONG TERM MAINTENANCE OF PERMANENT 'BEST MANAGEMENT PRACTICES'.

5. IF CONSTRUCTION IS ANTICIPATED DURING WINTER MONTHS, REFER TO 'COLD WEATHER SITE STABILIZATION REQUIREMENTS'.

D. INVASIVE SPECIES AND FUGITIVE DUST

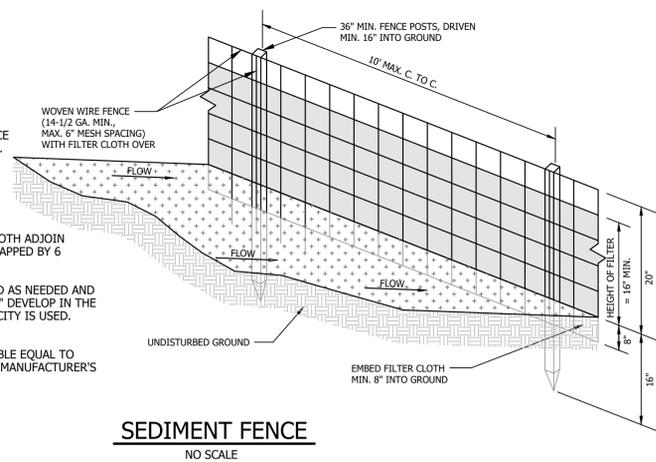
1. THE PROJECT SHALL NOT CONTRIBUTE TO THE SPREAD OF INVASIVE SPECIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EVALUATE WORK AREAS FOR THE PRESENCE OF INVASIVE SPECIES, AND IF FOUND SHALL TAKE NECESSARY MEASURES TO PREVENT THEIR SPREAD IN ACCORDANCE WITH RSA 430:51-57 AND AGR 3800. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PREVENT THE INTRODUCTION OF INVASIVE SPECIES BY INSPECTING AND CLEANING ALL EQUIPMENT ARRIVING ON SITE.

2. FUGITIVE DUST SHALL BE CONTROLLED IN ACCORDANCE WITH ENV-A 1000.



CONSTRUCTION NOTES FOR SEDIMENT FENCE

- WOVEN WIRE FENCE, IF REQUIRED, TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP, MID SECTION, AND BOTTOM.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED AND STAPLED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SEDIMENT FENCE, OR 50% OF CAPACITY IS USED.
- 12" DIAMETER FILTREXX SILTSOXX SHALL BE CONSIDERED AN ACCEPTABLE EQUAL TO SEDIMENT FENCE IF INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.



COLD WEATHER SITE STABILIZATION REQUIREMENTS

TO ADEQUATELY PROTECT WATER QUALITY DURING COLD WEATHER AND DURING SPRING RUNOFF, THE FOLLOWING ADDITIONAL STABILIZATION TECHNIQUES SHALL BE EMPLOYED DURING THE PERIOD FROM OCTOBER 15 THROUGH MAY 1:

1. THE AREA OF EXPOSED, UNSTABILIZED SOIL SHALL BE LIMITED TO 1 ACRE AND SHALL BE PROTECTED AGAINST EROSION BY THE METHODS DESCRIBED IN THIS SECTION PRIOR TO ANY THAW OR SPRING MELT EVENT. THE ALLOWABLE AREA OF EXPOSED SOIL MAY BE INCREASED IF A WINTER CONSTRUCTION PLAN, DEVELOPED BY A QUALIFIED ENGINEER OR A CPESC SPECIALIST, IS REVIEWED AND APPROVED BY NHDES.

2. ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF LESS THAN 15% WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE SEEDED AND COVERED WITH 3 TO 4 TONS OF HAY OR STRAW MULCH PER ACRE, SECURED WITH ANCHORED NETTING OR TACKIFIER, OR 2 INCHES OF EROSION CONTROL MIX MEETING THE CRITERIA OF ENV-WQ 1506.05(D) THROUGH (H).

3. ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF GREATER THAN 15% WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE SEEDED AND COVERED WITH PROPERLY INSTALLED AND ANCHORED EROSION CONTROL MATTING OR WITH A MINIMUM 4 INCH THICKNESS OF EROSION CONTROL MIX MEETING THE CRITERIA OF ENV-WQ 1506.05(D) THROUGH (H).

4. INSTALLATION OF ANCHORED HAY MULCH OR EROSION CONTROL MIX, MEETING THE CRITERIA OF ENV-WQ 1506.05(D) THROUGH (H), SHALL NOT OCCUR OVER SNOW OF GREATER THAN 1 INCH IN DEPTH.

5. INSTALLATION OF EROSION CONTROL MATTING SHALL NOT OCCUR OVER SNOW OF GREATER THAN ONE INCH IN DEPTH OR ON FROZEN GROUND.

6. ALL PROPOSED STABILIZATION IN ACCORDANCE WITH NOTES 2 OR 3 ABOVE, SHALL BE COMPLETED WITHIN 1 DAY OF ESTABLISHING THE GRADE THAT IS FINAL OR THAT OTHERWISE WILL EXIST FOR MORE THAN 5 DAYS.

7. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS, AS DETERMINED BY THE OWNER'S ENGINEERING CONSULTANT.

8. AFTER OCTOBER 15, INCOMPLETE ROAD OR PARKING AREAS WHERE ACTIVE CONSTRUCTION OF THE ROAD OR PARKING AREA HAS STOPPED FOR THE WINTER SEASON SHALL BE PROTECTED WITH A MINIMUM 3 INCH LAYER OF BASE COURSE GRAVELS MEETING THE GRADATION REQUIREMENTS OF NHDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, 2016, ITEM NO. 304.1 OR 304.2.

WINTER CONSTRUCTION NOTES

1. ALL PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 70% VEGETATIVE GROWTH BY OCTOBER 15th, OR WHICH ARE DISTURBED AFTER OCTOBER 15th, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS;

2. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 70% VEGETATIVE GROWTH BY OCTOBER 15th, OR WHICH ARE DISTURBED AFTER 15th, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS;

3. AFTER NOVEMBER 15th, 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.

CONSTRUCTION SEQUENCE

1. PREPARE AN EROSION CONTROL PLAN OR A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.

2. INSTALL CONSTRUCTION ENTRANCE, SEE DETAIL.

3. CUT AND CLEAR TREES WITHIN THE CLEARING LIMITS.

4. INSTALL SEDIMENT FENCES, CATCH BASIN INLET PROTECTION DEVICE AND OTHER APPROPRIATE EROSION CONTROL MEASURES AT LOCATIONS SHOWN ON THE PLANS AND AS NEEDED.

5. DEMOLISH EXISTING INFRASTRUCTURE AND GRUB SITE WITHIN GRADING LIMITS.

6. STRIP TOPSOIL AND REMOVE FROM SITE. IF STOCKPILING MATERIAL INSTALL EROSION CONTROL MEASURES AS APPROPRIATE.

7. INSTALL/ADJUST SEDIMENT FENCE, CHECK DAMS, AND HAYBALES, AS REQUIRED.

8. CONSTRUCT PERMANENT STORMWATER CONTROLS AS SOON AS PRACTICAL. DO NOT DIRECT STORMWATER TOWARD TREATMENT BASINS, PONDS, SWALES, DITCHES AND LEVEL SPREADERS UNTIL THEY HAVE BEEN STABILIZED.

9. PROCEED WITH WORK, LIMITING THE DURATION OF DISTURBANCE. THE MAXIMUM OF UNCOVERED DISTURBED EARTH AT ANY ONE TIME IS FIVE ACRES. THE MAXIMUM LENGTH OF TIME THAT DISTURBED EARTH MAY BE LEFT UNSTABILIZED IS 45 DAYS.

10. BEGIN SEEDING AND MULCHING IMMEDIATELY AFTER GRADING. ALL DISTURBED AREAS SHALL BE STABILIZED WITH APPROVED METHODS WITHIN 14 DAYS OF ACHIEVING FINISHED GRADE.

AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:

- BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
- A MINIMUM OF 70% VEGETATED GROWTH HAS BEEN ESTABLISHED;
- A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED; OR
- EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

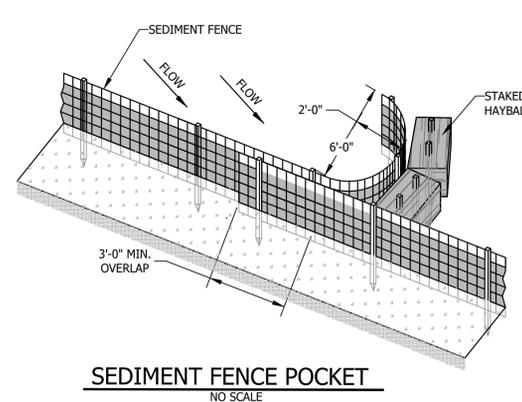
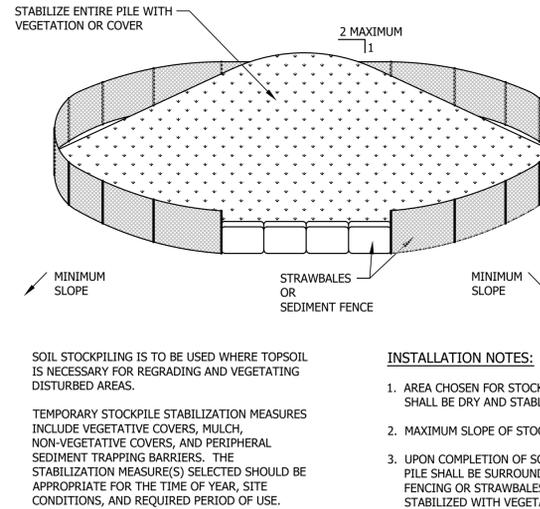
11. INSPECT ALL EROSION CONTROL MEASURES ON A DAILY BASIS AND AFTER EVERY 0.5 INCHES OF PRECIPITATION. MAINTAIN SEDIMENT FENCE, SEDIMENT TRAPS, HAY BALES, ETC., AS NECESSARY.

12. PAVE ROADWAYS AND/OR PARKING AREAS.

13. PLACE TOPSOIL, SEED AND MULCH.

14. COMPLETE ALL REMAINING PERMANENT EROSION CONTROL STRUCTURES.

15. MONITOR THE SITE AND MAINTAIN STRUCTURES AS NEEDED UNTIL FULL VEGETATION IS ESTABLISHED.



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EROSION CONTROL NOTES
AND DETAILS

NO.	DATE	REVISION DESCRIPTION	ENG	DWG

DATE: AUG 2020 PROJECT #: 20827

ENG'D BY: - DRAWN BY: AST

CHECK'D BY: WTD ARCHIVE #: -

C3.1

DATE OF PRINT
AUGUST 19 2020

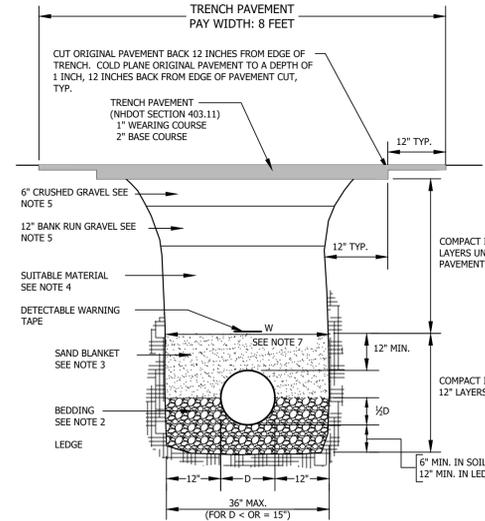
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STANDARD TRENCH NOTES - WATER

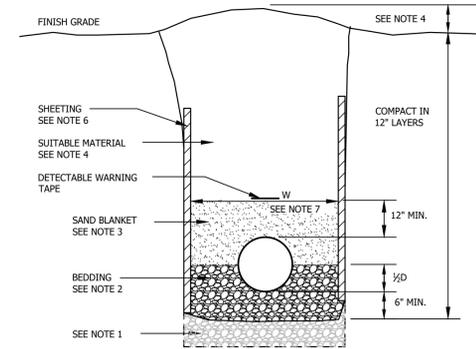
- ORDERED EXCAVATION OF UNSUITABLE MATERIAL BELOW GRADE SHALL BE REPLACED WITH BEDDING MATERIAL. SEE ALSO NOTE 4.
- BEDDING:** SCREENED GRAVEL AND/OR CRUSHED STONE FREE FROM ORGANIC MATTER, CLAY, AND/OR LOAM MEETING ASTM C33 STONE SIZE NO. 67.

100% PASSING	1 INCH SCREEN
90-100% PASSING	3/4 INCH SCREEN
20-55% PASSING	3/8 INCH SCREEN
0-10% PASSING	#4 SIEVE
0-5% PASSING	#8 SIEVE
- SAND BLANKET:** CLEAN SAND FREE FROM ORGANIC MATTER, SO GRADED THAT 100% PASSES A 1/2 INCH SIEVE AND NOT MORE THAN 15% PASSES A #200 SIEVE.
- SUITABLE MATERIAL:** IN ROADS, ROAD SHOULDERS, WALKWAYS, AND TRAVELED WAYS, SUITABLE MATERIAL FOR TRENCH BACKFILL SHALL BE THE NATURAL MATERIAL EXCAVATED FROM THE TRENCH DURING THE COURSE OF CONSTRUCTION, AFTER EXCLUDING DEBRIS, PIECES OF PAVEMENT, ORGANIC MATTER, TOP SOIL, WET OR SOFT MUCK, PEAT OR CLAY, EXCAVATED LEDGE MATERIAL, AND ALL ROCKS OVER SIX INCHES IN LARGEST DIMENSION, OR ANY MATERIAL NOT APPROVED BY THE ENGINEER.

TRENCH BACKFILL IN CROSS-COUNTRY LOCATIONS SHALL BE SUITABLE MATERIAL AS DESCRIBED ABOVE, EXCEPT THAT TOP SOIL, LOAM, MUCK, OR PEAT MAY BE USED PROVIDED THAT THE COMPLETED CONSTRUCTION WILL BE STABLE AND ACCESS TO THE PIPE FOR MAINTENANCE AND RECONSTRUCTION IS PRESERVED. BACKFILL SHALL BE MOUNDING TO A HEIGHT OF SIX INCHES ABOVE THE ORIGINAL GROUND SURFACE
- BASE COURSE FOR TRENCH REPAIR** SHALL MEET THE REQUIREMENTS OF SECTION 300 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION.
- SHEETING:** ALL TRENCH SUPPORTS SHALL CONFORM TO OSHA STANDARDS. CONTRACTOR IS RESPONSIBLE FOR OSHA COMPLIANCE AND WORKER SAFETY THROUGHOUT CONSTRUCTION.
- TRENCH DIMENSIONS:** W = MAXIMUM ALLOWABLE TRENCH WIDTH MEASURED 12 INCHES ABOVE THE PIPE. FOR PIPES 15 INCHES NOMINAL DIAMETER (D) OR LESS, W SHALL BE NO MORE THAN 36 INCHES; FOR PIPES GREATER THAN 15 INCHES NOMINAL DIAMETER, W SHALL BE 24 INCHES PLUS THE PIPE OUTSIDE DIAMETER. W SHALL ALSO BE THE PAYMENT WIDTH FOR LEDGE EXCAVATION AND FOR ORDERED EXCAVATION BELOW GRADE. THE MAXIMUM ALLOWABLE TRENCH PAVEMENT PAYMENT WIDTH SHALL BE 8 FEET CENTERED OVER PIPE.
- WATER/SEWER SEPARATION:** WATER MAINS SHALL BE SEPARATED FROM SANITARY SEWER BY A MINIMUM OF 10 FEET HORIZONTALLY AND A MINIMUM OF 18 INCHES VERTICALLY, WITH THE WATER MAIN ABOVE THE SEWER.
- PIPE COVER:** COVER OVER WATER SHALL BE 6 FEET MINIMUM IN ALL LOCATIONS.



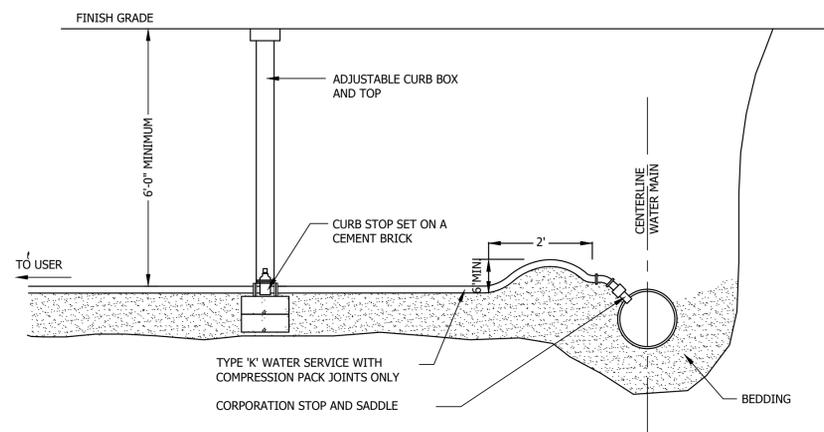
LEDGE/SUB PAVEMENT CONSTRUCTION



EARTH CONSTRUCTION WITH OR WITHOUT SHEETING

STANDARD TRENCH SECTIONS

NOT TO SCALE



WATER SERVICE CONNECTION

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STANDARD WATER SYSTEM
DETAILS AND NOTES

NO.	DATE	REVISION DESCRIPTION	ENG	DWG

DATE:	PROJECT #:
AUG 2020	20827
ENG'ND BY:	DRAWN BY:
-	AST
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WTD	-

C3.3

DATE OF PRINT
AUGUST 19 2020
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STONE SPECIFICATIONS

MATERIALS - STONE FILL

- A. MATERIALS SHALL MEET THE REQUIREMENTS OF SECTION 585, STONE FILL, NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (NHS) FOR THE APPROPRIATE ITEM AS INDICATED ON THE DRAWINGS.
- B. STONE FOR STONE FILL SHALL BE APPROVED QUARRY STONE, OR BROKEN ROCK OF A HARD, SOUND, AND DURABLE QUALITY. THE STONES AND SPALLS SHALL BE SO GRADED AS TO PRODUCE A DENSE FILL WITH A MINIMUM OF VOIDS.

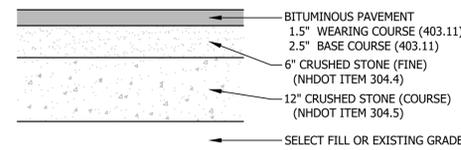
- CLASS A STONE** SHALL BE IRREGULAR IN SHAPE WITH APPROXIMATELY 50% OF THE MASS HAVING A MINIMUM VOLUME OF 12 CUBIC FEET, APPROXIMATELY 30% OF THE MASS RANGING BETWEEN 3 AND 12 CUBIC FEET, APPROXIMATELY 10% OF THE MASS RANGING BETWEEN 1 AND 3 CUBIC FEET, AND THE REMAINDER OF THE MASS COMPOSED OF SPALLS.
- CLASS B STONE** SHALL BE IRREGULAR IN SHAPE WITH APPROXIMATELY 50% OF THE MASS HAVING A MINIMUM VOLUME OF 3 CUBIC FEET, APPROXIMATELY 40% OF THE MASS RANGING BETWEEN 1 AND 3 CUBIC FEET, AND THE REMAINDER OF THE MASS COMPOSED OF SPALLS.
- CLASS C STONE** SHALL CONSIST OF CLEAN, DURABLE FRAGMENTS OF LEDGE ROCK, OF UNIFORM QUALITY, REASONABLY FREE FROM THIN OR ELONGATED PIECES. THE STONE SHALL BE MADE FROM ROCK WHICH IS FREE FROM TOPSOIL AND OTHER ORGANIC MATERIAL. THE STONE SHALL BE GRADED AS FOLLOWS:

SIEVE SIZE	PERCENTAGE PASSING BY WEIGHT
12 INCH	100
4 INCH	50-90
1-1/2 INCH	0-30
3/4 INCH	0-10

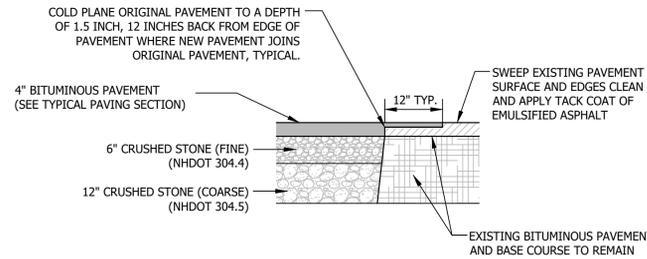
- CLASS D STONE** SHALL CONSIST OF CRUSHED STONE, GRAVEL, OR OTHER APPROVED INERT MATERIALS WITH SIMILAR CHARACTERISTICS OR COMBINATIONS THEREOF, HAVING HARD, STRONG, DURABLE PARTICLES, FREE FROM SURFACE COATING AND INJURIOUS AMOUNTS OF SOFT, FRIABLE, OR LAMINATED PIECES, AND FREE OF ALKALINE, ORGANIC, OR OTHER HARMFUL MATTER. THE STONE SHALL BE STANDARD STONE SIZE 467 (NO. 4 TO 1-1/2").
- EROSION STONE** SHALL BE IRREGULAR IN SHAPE WITH APPROXIMATELY 50% OF THE MASS HAVING A MINIMUM DIMENSION BETWEEN 6-INCHES AND 8-INCHES, APPROXIMATELY 40% OF THE MASS HAVING A MINIMUM DIMENSION BETWEEN 2-INCHES AND 6-INCHES AND THE REMAINDER OF THE MASS COMPOSED OF SPALLS.
- SPALLS** FOR FILLING VOIDS SHALL CONSIST OF A MIXTURE OF STONES OR ROCK FRAGMENTS AND PARTICLES WITH 95 TO 100% PASSING THE 3-INCH SIEVE AND 25 TO 70% PASSING THE NO. 4 SIEVE.

C. MINIMUM DEPTH OF STONE LAYER SHALL CONFORM TO THE FOLLOWING

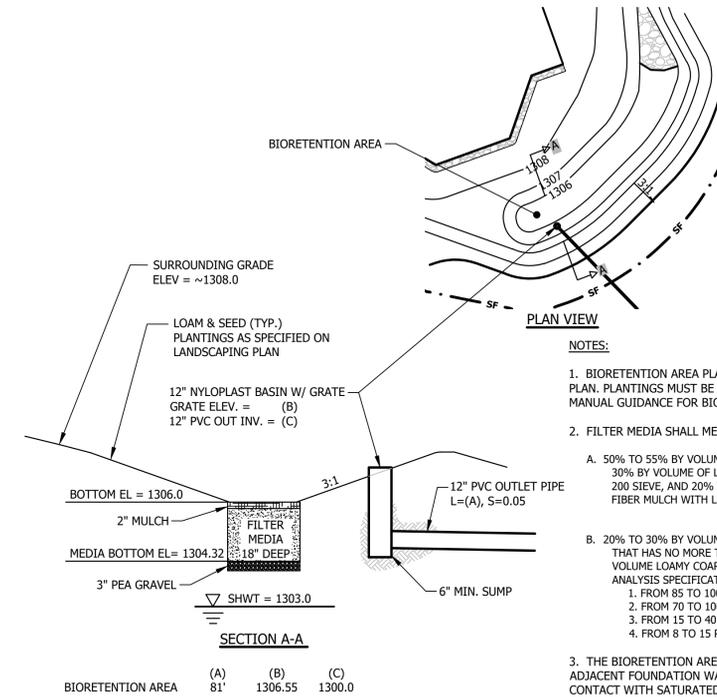
STONE SIZE CLASS	MIN. DEPTH
EROSION STONE	12"
CLASS C	12"
CLASS B	18"
CLASS A	30"



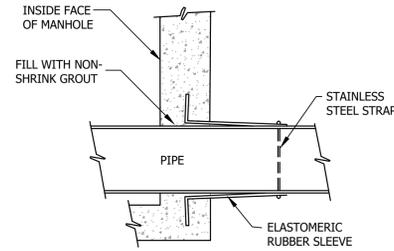
TYPICAL PAVEMENT SECTION
NOT TO SCALE



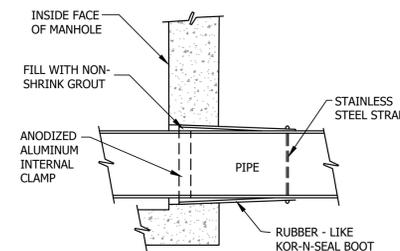
PAVEMENT JOINING DETAIL
NOT TO SCALE



BIORETENTION AREA



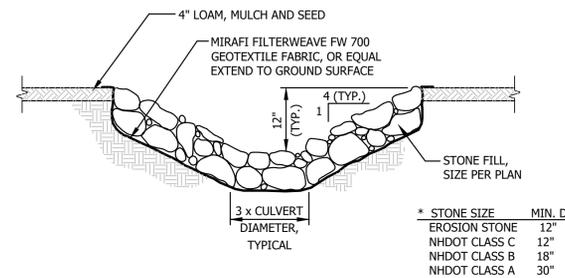
LOCK-JOINT FLEXIBLE MANHOLE SLEEVE



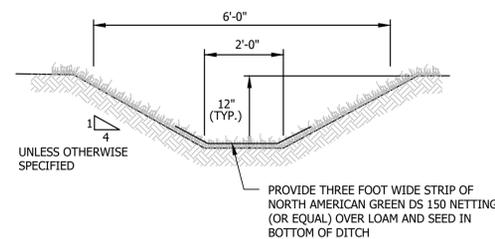
KOR-N-SEAL JOINT SLEEVE

JOINTING DETAILS

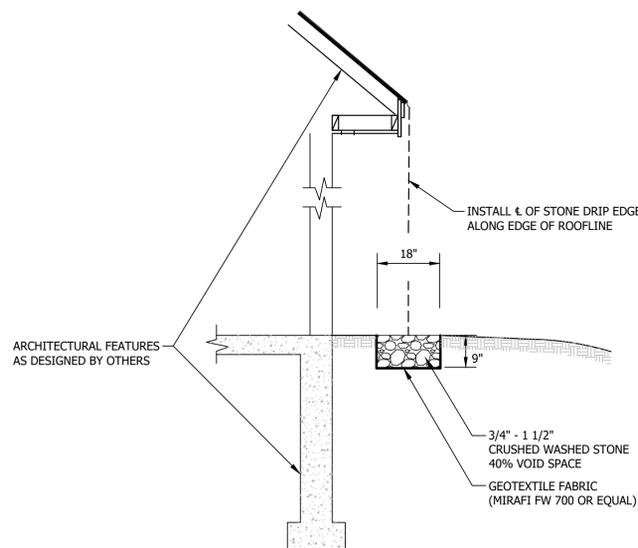
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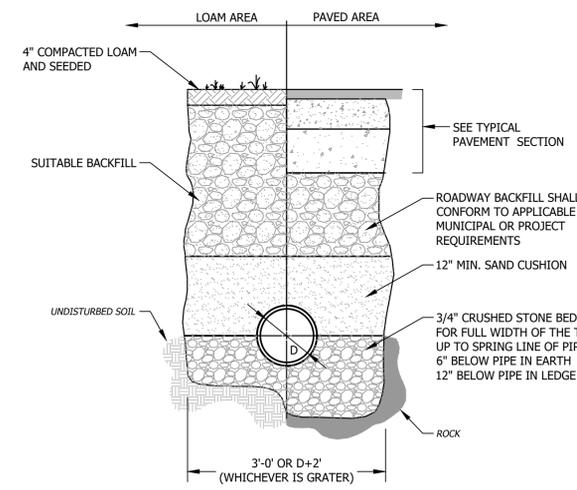
STONE LINED OUTLET/INLET DETAIL
NOT TO SCALE



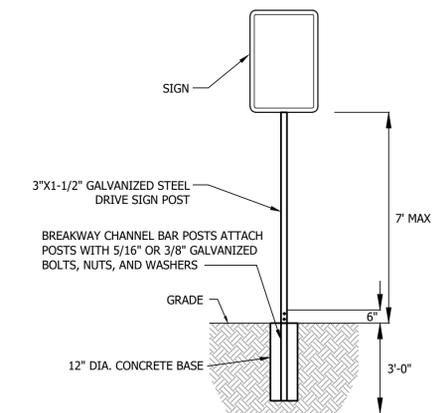
GRASS LINED DITCH DETAIL
NOT TO SCALE



STONE DRIP EDGE DETAIL
NOT TO SCALE



TYPICAL DRAINAGE TRENCH DETAIL
NOT TO SCALE



SIGN POST DETAIL
NOT TO SCALE

M.U.T.C.D. NUMBER	SIGN SUMMARY		DESC.
	SPECIFICATION WIDTH	HEIGHT	
R7-B	12"	18"	RESERVED PARKING
D9-6P	12"	7 1/2"	VAN ACCESSIBLE
	12"	18"	COMPACT CAR PARKING
R1-1	30"	30"	STOP

DATE OF PRINT
AUGUST 19 2020
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Engineering

LITTLETON NH • NEWPORT VT
NEW LONDON NH • POMFRET VT • KENNEBUNK ME

29 LITTLE SUNAPEE LLC

29 LITTLE SUNAPEE ROAD

NEW LONDON, NEW HAMPSHIRE

DETAILS

NO.	DATE	REVISION DESCRIPTION	ENG	DWG

DATE: AUG 2020

PROJECT #: 20827

ENG'D BY: WTD

DRAWN BY: AST

CHECK'D BY: WTD

ARCHIVE #: -

C3.4

