

33 WHITE OAKS SUBDIVISION
33 WHITE OAKS ROAD
TAX MAP 278 BLOCK 241 LOT 29
LACONIA, NEW HAMPSHIRE
DATE: JANUARY 30, 2026

LIST OF DRAWINGS		
DRAWING NO.	DRAWING TITLE	LAST REVISED
G-001	COVER SHEET	01/30/2026
C-101	GENERAL NOTES AND LEGEND	01/30/2026
C-201	EXISTING CONDITIONS AND DEMOLITION PLAN	01/30/2026
C-201.1	OVERALL SITE PLAN	01/30/2026
C-301	SITE PLAN	01/30/2026
C-301.1	GRADING, DRAINAGE, AND EROSION CONTROL PLAN	01/30/2026
C-401	UTILITIES PLAN	01/30/2026
C-501	ROADWAY PLAN AND PROFILE	01/30/2026
C-601	ROADWAY PLAN AND PROFILE	01/30/2026
C-602	EROSION CONTROL NOTES AND DETAILS	01/30/2026
C-603	DETAILS SHEET	01/30/2026
C-604	DETAILS SHEET	01/30/2026
C-605	DETAILS SHEET	01/30/2026
C-606	DETAILS SHEET	01/30/2026

LIST OF PERMITS		
LOCAL	STATUS	DATE
SUBDIVISION PERMIT	PENDING	
STATE		
RHDES - SEWER CONNECTION PERMIT	PENDING	
RHDES - ALTERATION OF TERRAIN PERMIT	PENDING	
FEDERAL		
RHDES - CONSTRUCTION GENERAL PERMIT	PENDING	

PREPARED BY:
Tighe & Bond
117 Commerce Dr.
Pelham, NH 03076
1-603-433-8849

APPLICANT:
SCOTT BUONOPANE
217 Middlesex Turnpike
Burlington, MA 01803

OWNER:
DANIEL H GREENHALGH
18 Tenney Rd
Pelham, NH 03076



SITE LOCATION MAP
SCALE: 1" = 2,000'

CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SHALL CONTACT THE ENGINEER FOR CLARIFICATION IF A REQUIRED DIMENSION IS NOT PROVIDED ON THE PLANS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, AND FOR SITE CONDITIONS THROUGHOUT CONSTRUCTION, WHETHER THE PLANS OR THE SEAL OF THE ENGINEER APPLIED HEREON EXTEND TO OR INCLUDE SYSTEMS REQUIRED FOR THE SAFETY OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE STATE OF NEW HAMPSHIRE, LOCAL, STATE, AND FEDERAL AGENCIES, AND ANY STATE OR LOCAL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AND ANY STATE OR LOCAL SAFETY REGULATIONS.
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**TRC SUBMISSION
COMPLETE SET 15 SHEETS**



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**33 WHITE
OAKS
SUBDIVISION**

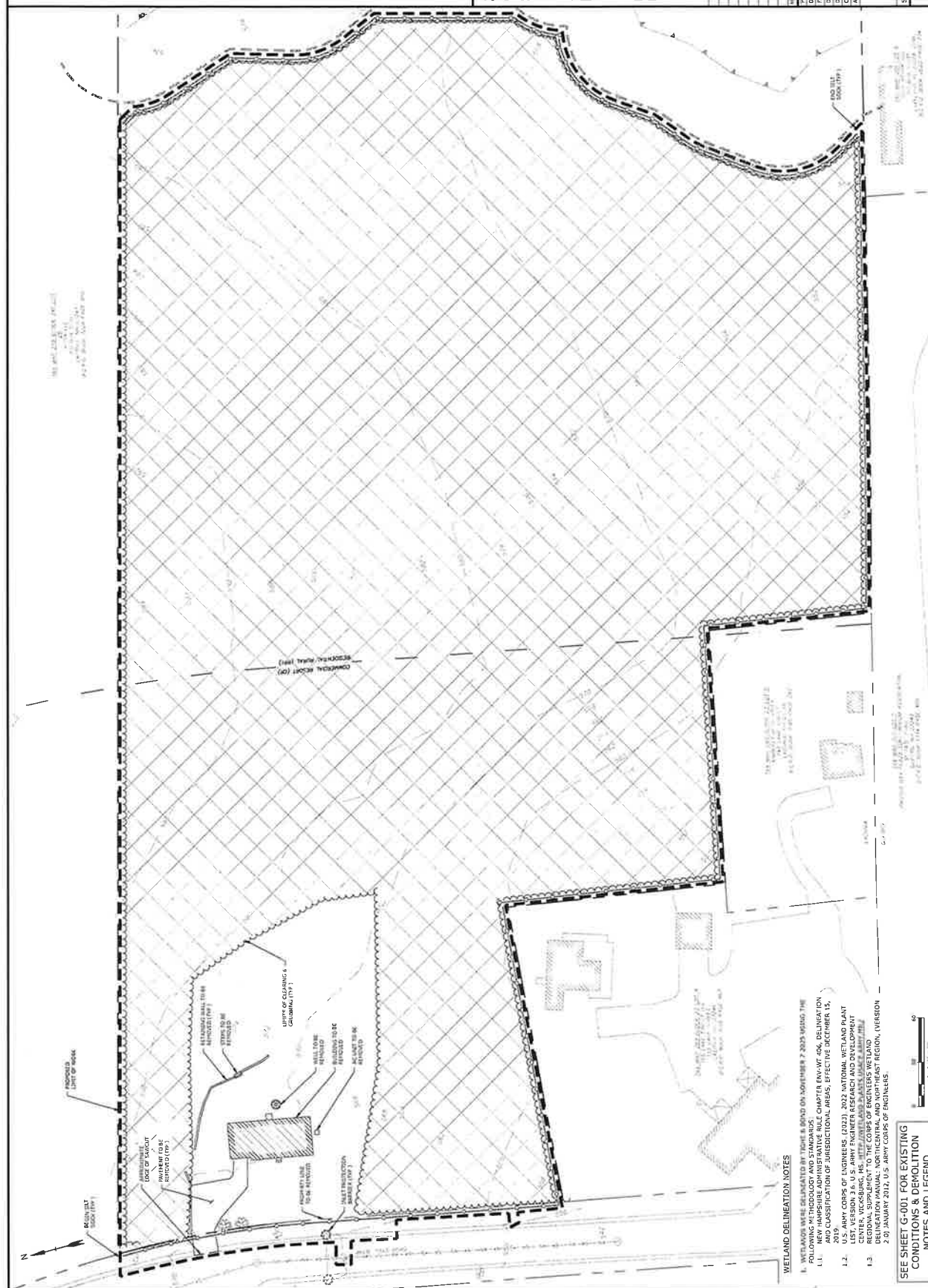
33 White Oaks
Road

Laconia, New Hampshire

[illegible]

EXISTING CONDITIONS
AND DEMOLITION PLAN

C-101



WETLAND DELINEATION NOTES

- 1.1. WETLANDS WERE DELINEATED BY THREE BOUND ON NOVEMBER 7, 2022 (061016). FOLLOWING METHODOLOGY AND STANDARDS: U.S. ARMY CORPS OF ENGINEERS, "NATIONAL WETLANDS DELINEATION MANUAL: TECHNICAL GUIDANCE FOR FIELD IDENTIFICATION OF WETLANDS," 2019.
- 1.2. U.S. ARMY CORPS OF ENGINEERS (2023) 2022 NATIONAL WETLAND PLANT LIST, VERSION 3.6, U.S. ARMY ENGINEER RESEARCH AND DEVELOPMENT CENTER, VICKSBURG, MS. <http://wetland.plantlist.army.mil/>
- 1.3. DELINEATION MANUAL: NORTHEASTERN REGION, VERSION 3.0, U.S. ARMY CORPS OF ENGINEERS, VICKSBURG, MS.

SEE SHEET G-001 FOR EXISTING
CONDITIONS & DEMOLITION
NOTES AND LEGEND





**33 WHITE
OAKS
SUBDIVISION**

Laconia, New Hampshire

NAME	DATE	TIME SIGNATURE
PROJECT NO.	8565 0216	
DATE	01/10/2016	
FILE	8565 0216 C DESIGN.dwg	
CREATED BY	11 CURTIS J C. 04/04/16	
CHECKED BY	C K3701K	
APPROVED BY	N PASEN	
	P CHAMBERS	

SCALE: AS SHOWN

C-201.1



SEE SHEET G-001 FOR SITE
NOTES AND LEGEND



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33 WHITE OAKS SUBDIVISION

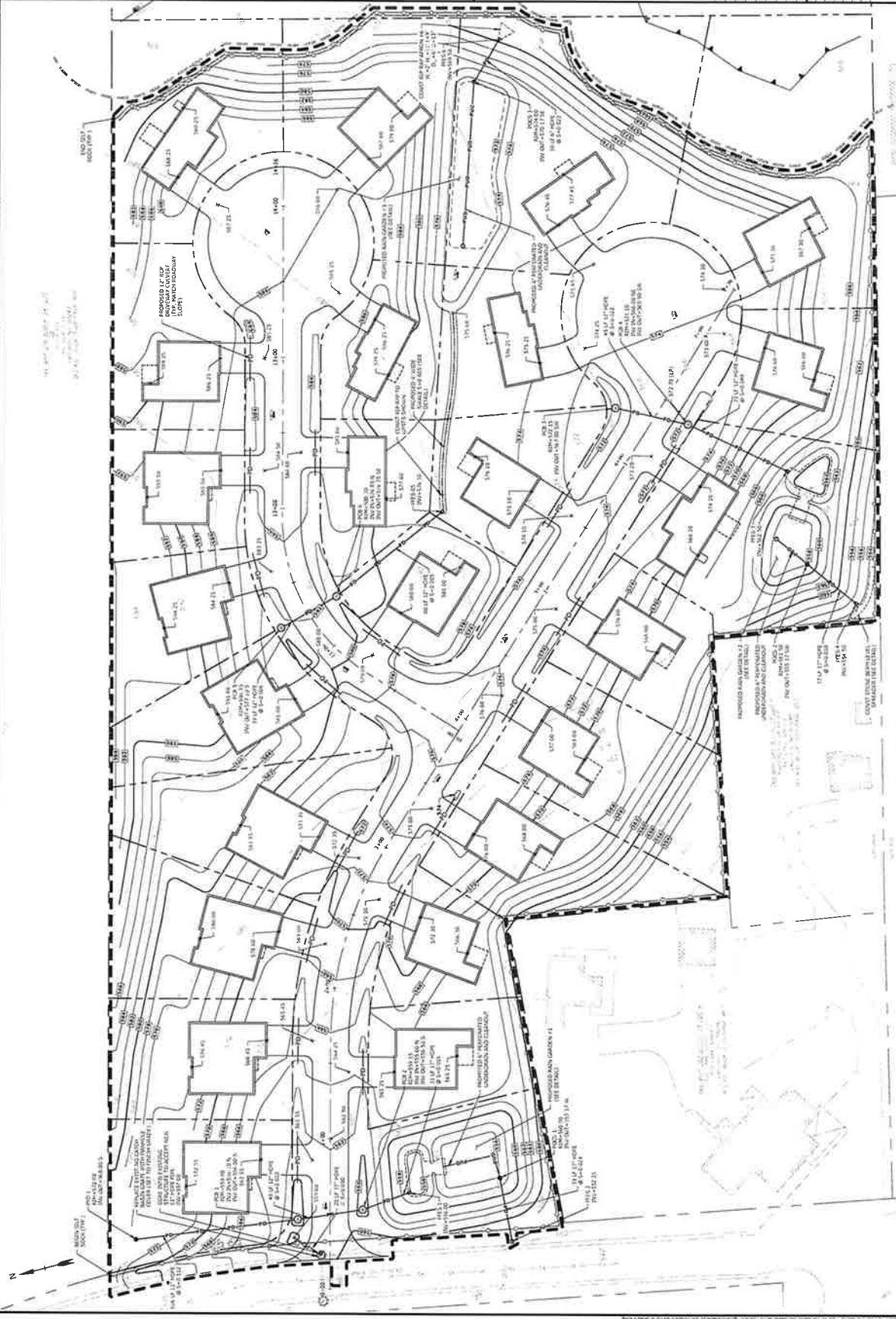
33 White Oaks Road

Laconia, New Hampshire

DATE	DESCRIPTION
11/14/2006	1st Submittal
11/14/2006	2nd Submittal
11/14/2006	3rd Submittal
11/14/2006	4th Submittal
11/14/2006	5th Submittal
11/14/2006	6th Submittal
11/14/2006	7th Submittal
11/14/2006	8th Submittal
11/14/2006	9th Submittal
11/14/2006	10th Submittal
11/14/2006	11th Submittal
11/14/2006	12th Submittal

GRADING, DRAINAGE, AND EROSION CONTROL PLAN
 SCALE: AS SHOWN

C-301



SEE SHEET G-001 FOR DRAINAGE & DRAINAGE NOTES AND LEGEND





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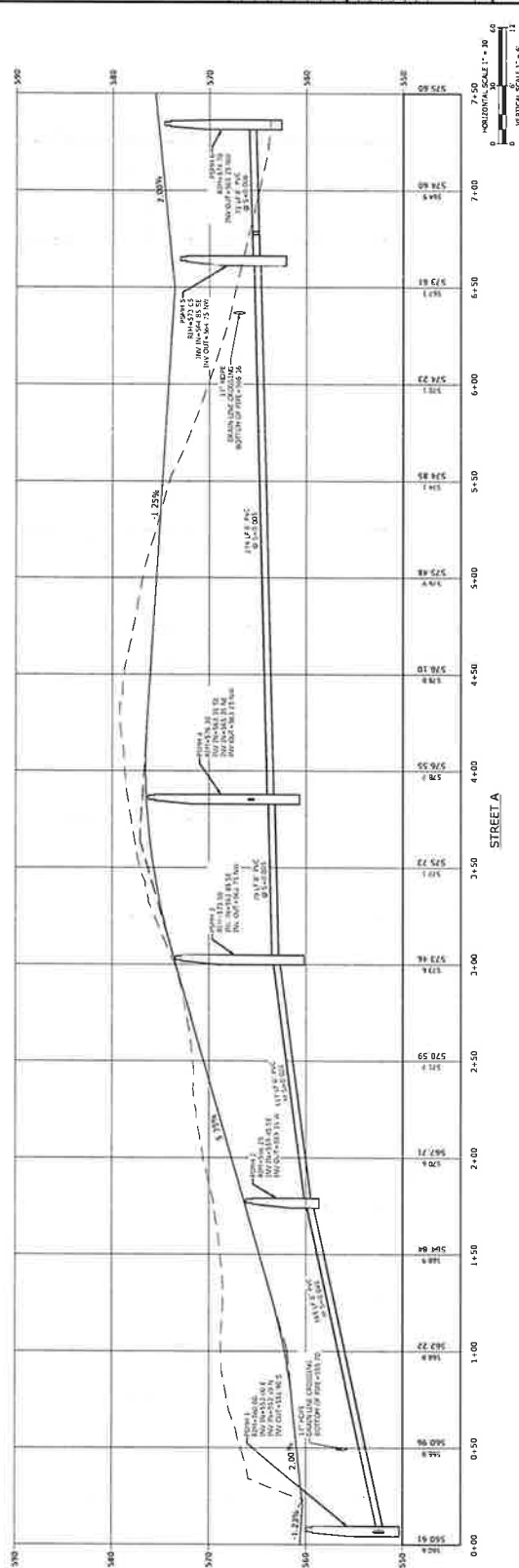
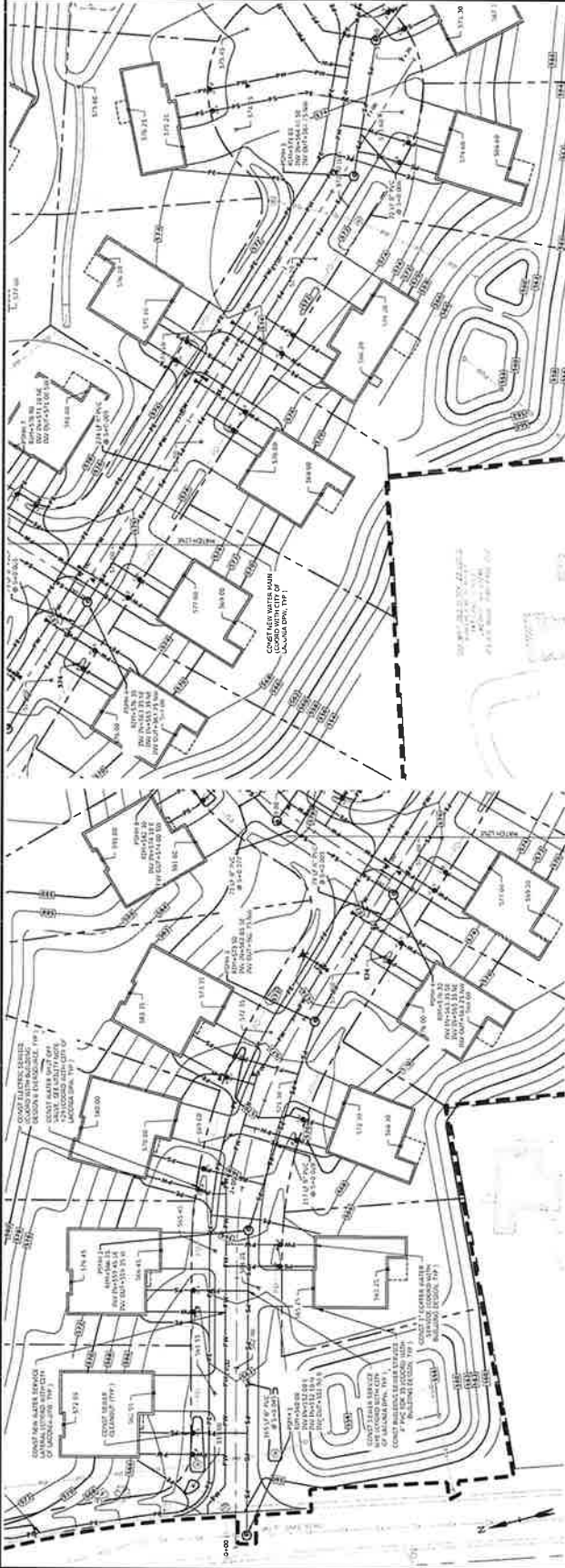
33 WHITE OAKS SUBDIVISION

**33 White Oaks
 Road**

**Laconia, New
 Hampshire**

NO.	DATE	DESCRIPTION
1	10/20/2014	PRELIMINARY
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3	03/10/2015	REVISED
4	04/10/2015	REVISED
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98	02/10/2023	REVISED
99	03/10/2023	REVISED
100	04/10/2023	REVISED

SCALE: AS SHOWN
C-501



STREET A

HORIZONTAL SCALE 1" = 30'
 VERTICAL SCALE 1" = 6'



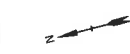
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33 WHITE OAKS SUBDIVISION

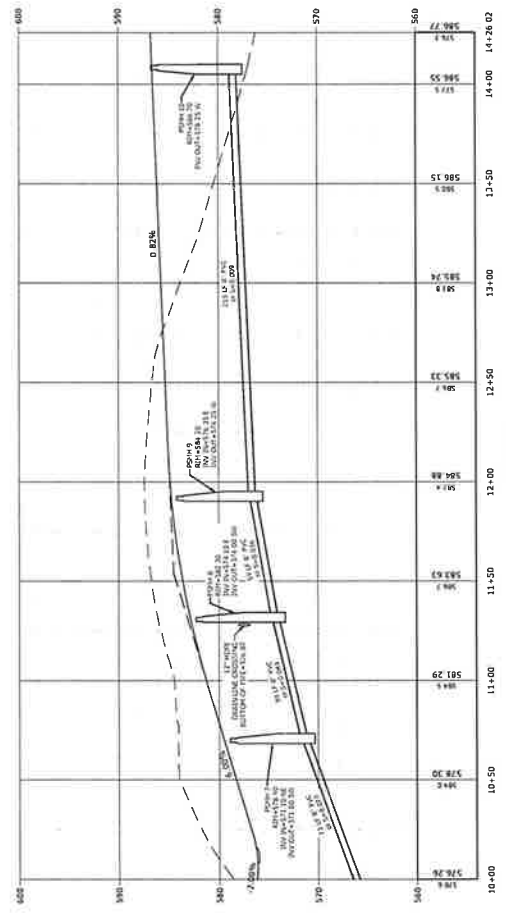
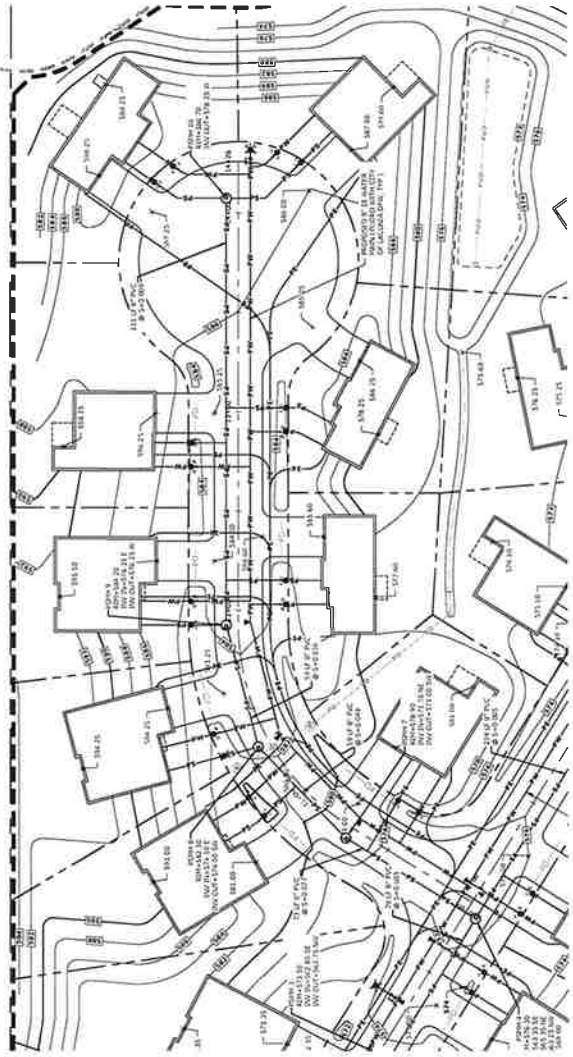
33 White Oaks
 Road

Laconia, New
 Hampshire

DATE	01/18/2025
FILE	33068 0178
PROJECT	33068 0178
DESIGNED BY	33068 0178
CHECKED BY	33068 0178
APPROVED BY	33068 0178
PROJECT	33068 0178
SCALE	AS SHOWN
C-502	



33068 0178



HORIZONTAL SCALE 1" = 30'
 VERTICAL SCALE 1" = 4'

STREET B

ROADWAY PLAN AND
 PROFILE

SCALE: AS SHOWN

C-502



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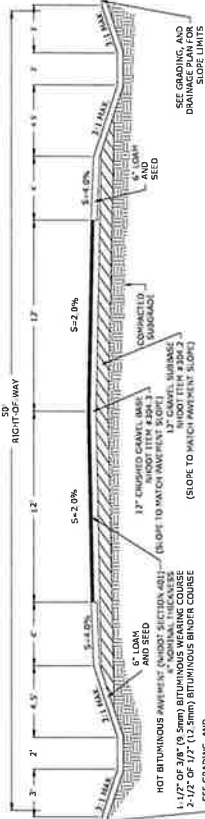
**33 WHITE
OAKS
SUBDIVISION**

33 White Oaks
Road

Worcestershire

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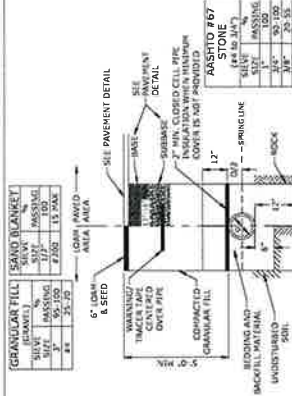
C-602



- NOTES
1. SEE SITE PLAN FOR PAVEMENT WIDTH AND LOCATION.
 2. SEE PLAN FOR DRAINAGE, EROSION CONTROL, & UTILITIES PLAN FOR PAVEMENT SLOPE AND CROSS SLOPE.
 3. A TRUCK CATCH BASIN IS PLACED ON TOP OF FINISH COURSE PAVEMENT PRIOR TO PLACING WEARING COURSE.
 4. THE PAVEMENT SECTION SHOULD BE APPROVED BY THE PROJECT'S GEOTECHNICAL ENGINEER.
 5. THE PAVEMENT SECTION SHOULD BE CHECKED AT THE ENTRANCE AND EXIT WAYS AND OVER A 3' SECTION TO MATCH THE EXISTING ROADWAY PAVEMENT DEPTH.
 6. THE PAVEMENT SECTION SHOULD BE CHECKED AT THE ENTRANCE AND EXIT WAYS AND OVER A 3' SECTION TO MATCH THE EXISTING ROADWAY PAVEMENT DEPTH.
 7. IF THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS ALLOW THE CONTRACTOR SHALL HAVE THE OPTION OF RECLAIMING THE EXISTING PAVEMENT, REMOVING MATERIAL, THEN PLACING THE RECLAIMED SLASH MATCH EXISTING DEPTH.

TYPICAL STANDARD DUTY PAVEMENT AND SWALE SECTION

NO SCALE



- NOTES**
1. SAND BEDDING AND BACKFILL FOR FULL WIDTH OF THE TRENCH FROM 6" BELOW PIPE IN EARTH AND 12" BELOW PIPE IN ROCK UP TO 12" ABOVE TOP OF PIPE.
2. ALL UTILITIES SHALL BE INSTALLED PER THE INDIVIDUAL UTILITY COMPANY STANDARDS. COORDINATE ALL INSTALLATIONS WITH INDIVIDUAL UTILITY.
- (WHICHEVER IS GREATER)

WATER TRENCH

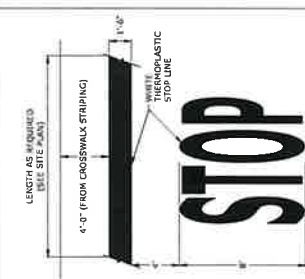
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GRASS LINED SWALE

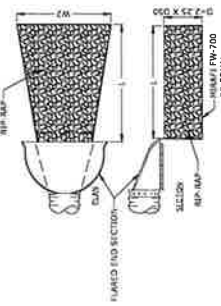
10 SCALE



- NOTES:
1. PAVEMENT MARKINGS TO BE INSTALLED IN LOCATIONS AS SHOWN ON SITE PLAN
2. STRIPING SHALL BE CONSTRUCTED USING WHITE THERMO PLASTIC, REFLECTORIZED PAVEMENT MARKING MATERIAL MEETING THE REQUIREMENTS OF ASTM D 4585

STOP BAR

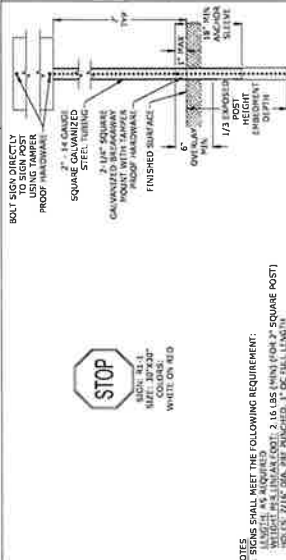
5000



1. STONE SIZE AND MAT DIMENSIONS DETAILED ON PLANS
2. APPROXIMATELY RECTANGULAR SHAPE. FLAT ON MOVING ROCKS NOT ACCEPTABLE. THE STONE SHALL BE HARD AND OF SUCH QUALITY THAT IT WILL NOT DISINTEGRATE ON EXPOSURE TO WATER OR WEATHERING. IN CHEMICALLY STABLE AND SHALL BE SUITABLE FOR THE PROPOSED USE.
3. MINIMUM SURFACE AREA BASED ON THE INDIVIDUAL STONE SHALL BE AT LEAST 2.5. THE STONE SHALL BE COMPOSED OF A WELL-GRANDED MATERIAL DOWN TO THE ONE-SIXTH NO. 200 SIEVE. SPECIFIC GRAVITY SHALL BE DETERMINED AS A MIXTURE COMPOSED OF THE LARGEST STONE SIZE WITH A SUFFICIENT MIXTURE OF OTHER SIZES TO FILL THE PROGRESSIVELY SMALLER SIZES BETWEEN THE STONES. THE DIAMETER OF THE

RIP-RAP APRON DETAIL

.....



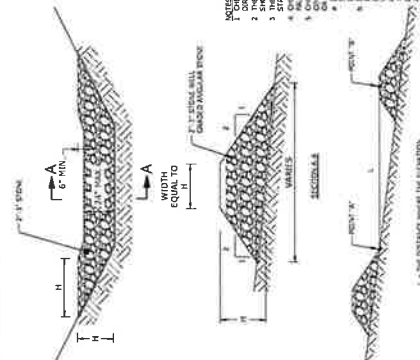
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TYPICAL SIGN POST & LEGEND

31830

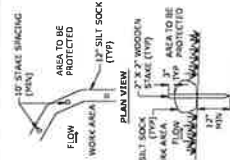
MEAN STONE SIZE		
SIEVE DESIGNATION (PER CUSTOMARY)	PERCENT BY WEIGHT PASSING	SQUARE MESH SIZES
12 IN	100	
6 IN	84-100	
3 IN	66-83	
1 IN	42-55	
NO. 4	8-12	

- [illegible]



STONE CHECK DAM

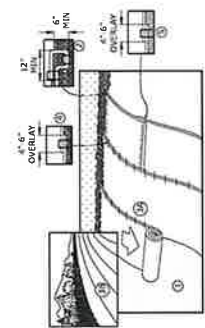
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- SILT SOCKS SHALL BE SILT SOCKS BY FILTEREX OR EQUAL. COMPOST SHALL BE FILLED WITH A CERTIFIED COMPOST FILTERMEDIA BY FILTEREX OR EQUAL. WHERE TWO SILT SOCKS ARE JOINED, A MINIMUM OF 2 FEET OF OVERLAP SHALL BE MAINTAINED. CONTRACTOR SHALL INSTALL SILT SOCK "J" HOOKS OR "SMILE" CONFIGURATION TO LIMIT CONCENTRATION OF STORMWATER RUNOFF AT A SINGLE DISCHARGE POINT. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 10 FEET OF CLEARANCE FROM THE STORMWATER MANHOLE TO THE STORMWATER MANUAL VALVE. EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION SHALL BE INSTALLED PER MANUFACTURER'S

SILT SOCK

NO SCALE



- NOTES**
1. EROSION CONTROL BLANKETS SHALL BE INSTALLED ON ALL SLOPE AREAS (1:1 OR GREATER).
 2. PRIOR TO INSTALLATION SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS. BLANKETS SHALL HAVE GOOD SOIL CONTACT.
 3. PERMANENT SEEDING SHALL BE PLACED IMMEDIATELY AFTER BLANKETS ARE INSTALLED. THE SEEDING SHALL BE STRETCHED TO MAINTAIN DIRECT CONTACT WITH THE SOIL. BLANKETS SHALL NOT BE STRETCHED.
 4. EROSION CONTROL BLANKET SHALL BE FAST GROWING EROSION CONTROL SPECIES. ONE EQUAL AND INSTALLED BY FAST GROWING SPECIES IS RECOMMENDED.

EROSION CONTROL BLANKET

NO SCALE

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**33 WHITE
OAKS
SUBDIVISION**

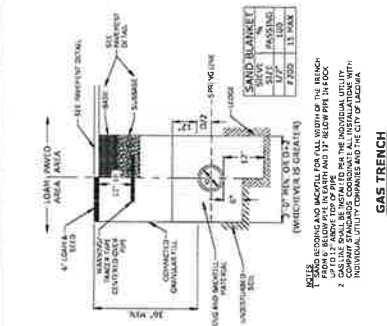
33 White Oaks
Road

Laconia, New Hampshire

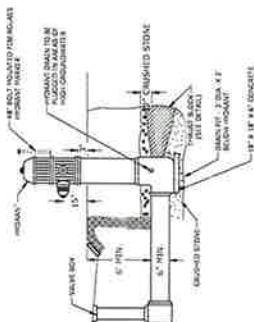
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DETAILS SHEET

C-603

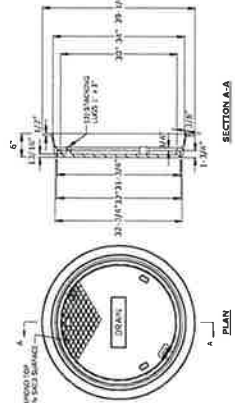


GAS TRENCH



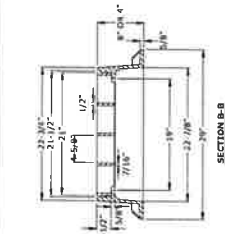
THE
PURCHASER SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION AND OPERATION, MANUFACTURE AND MODEL, AND
STANDARD DIMENSIONAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH
THE CITY OF LACONIA WATER DEPARTMENT AND THE CITY OF LACONIA FIRE
DEPARTMENT

FIRE HYDRANT

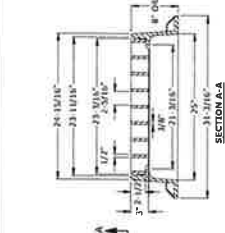


1. **NOTES**
2. DIMENSIONS ARE NOMINAL.
3. FRAMES USING MANHOLE DIMENSIONS FOR THICKNESS ARE ALLOWED PROVIDED:
 - A. THE FRAMES MEET OR EXCEED THE SPECIFIED LOAD RATING
 - B. THE INTERIOR PERIMETER IS AT LEAST THE SAME DIMENSIONS OF THE FRAMES REMAIN THE SAME TO ALLOW CONTINUED USE OF EXISTING GRATE/CURB/AS AS THE EXISTING FRAMES ALLOW, WITHOUT SOME OR OTHER MODIFICATIONS OR
4. ALL OTHER PLINTING REQUIREMENTS OF THE SPECIFICATIONS ARE MET
5. LABEL TYPE OF MANHOLE WITH 3" HIGH LETTERS IN THE CENTER OF THE COVER

DRAIN MANHOLE FRAME & COVER



SECTION 8-8



RESULTS

11.5 ALL DIMENSIONS ARE NOMINAL.
ALL SECTIONS SHALL BE 1/2" THICK UNLESS OTHERWISE SPECIFIED.
2 a. THE FRAMES MUST BE DESIGNED TO WITHSTAND THE FOLLOWING:
TO ALLOW CONTINUED USE OF EXISTING GRATES/COVERS AS THE EXISTING FRAMES
TO ALLOW WITH STANDING OF OTHER MODIFICATIONS OR ACCOMMODATIONS
2 b. ALL DIMENSIONS AND REQUIREMENTS OF THE SPECIFICATIONS ARE MET
FREE OPEN AREA = 55 SQ. FT.
3. A FRAME FRAME IS INSTALLED ADJACENT TO GRANITE CURB

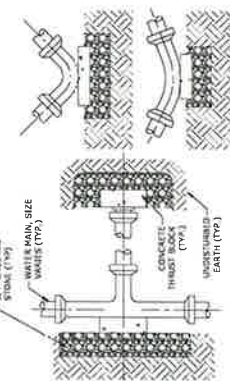
CATCH BASIN FRAME AND GRATE
(NHDOT - TYPE "B" GRATE

NOMINAL PIPE DIMENSIONS		PIPE SIZE					SQUARE FEET OF MINIMUM BEARING AREA
4"	6"	8"	10"	12"	18"		
A 45°	*	5.18	7.96	11.73	20.29		
A 90°	*	4.11	7.23	11.26	16.17	28.69	
C 45°	*	*	6.12	8.75	15.53		
D 22 1/2°	*	*	*	4.16	7.92		
E 31 1/4°	*	*	*	*	*		

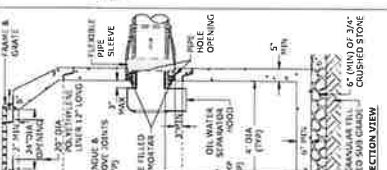
SYSTEM PRESSURE: 125 PSI
SYSTEM FACTOR: 1.5
SOIL BEARING CAPACITY: 2,000 PSI

*SEE NOTE 2.

SEE NOTE 3--
SYSTEM PRESSURE: 125 PSI
SAFETY FACTOR: 3.5

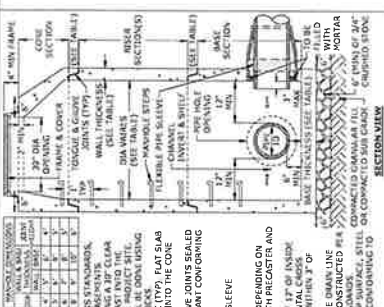
[illegible]

THRUST BLOCKING DETAIL



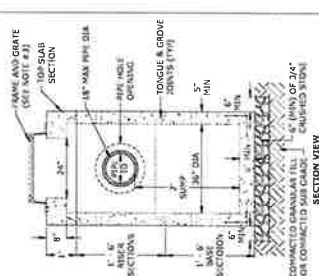
SECTION VIEW

TYPICAL DEEP SUMP CATCH BASIN



ECTION VIEW

TYPICAL DRAIN MANHOLE



SECTION VIEW

TYPICAL PRECAST CONCRETE YARD / AREA DRAIN

[illegible]

SUMP

NOTES:

1. ALL PRECAST SECTIONS SHALL BE 4'-00" DIA. (MIN) UNLESS OTHERWISE SPECIFIED.
2. ALL PRECAST SECTIONS SHALL BE 12' MAX. LONG, UNLESS OTHERWISE SPECIFIED.
3. SETTING RINGS SHALL BE 12" DIA. (MIN) AND 12" THICK. SETTING RINGS SHALL BE 12' MAX. LONG, UNLESS OTHERWISE SPECIFIED.
4. ALL PRECAST SECTIONS SHALL BE 12' MAX. LONG, UNLESS OTHERWISE SPECIFIED.
5. ALL PRECAST SECTIONS SHALL BE 12' MAX. LONG, UNLESS OTHERWISE SPECIFIED.
6. ALL PRECAST SECTIONS SHALL BE 12' MAX. LONG, UNLESS OTHERWISE SPECIFIED.
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9. ALL PRECAST SECTIONS SHALL BE 12' MAX. LONG, UNLESS OTHERWISE SPECIFIED.
10. ALL PRECAST SECTIONS SHALL BE 12' MAX. LONG, UNLESS OTHERWISE SPECIFIED.

DRAINAGE SCALE

[illegible]

0 SCALE



THIS DOCUMENT IS RELEASED
 FOR THE CITY OF LACONIA
 FOR THE PROJECT OF
 CONSTRUCTION PURPOSES

33 WHITE OAKS SUBDIVISION

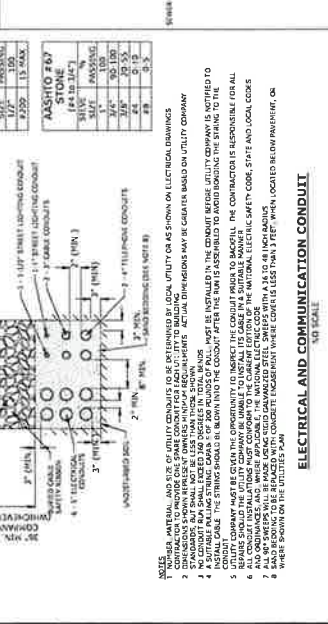
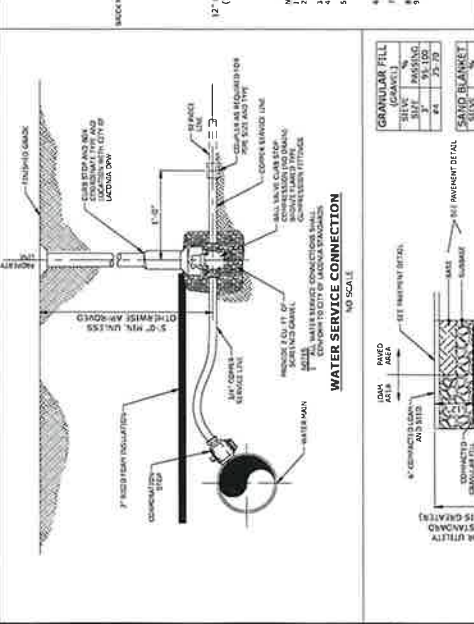
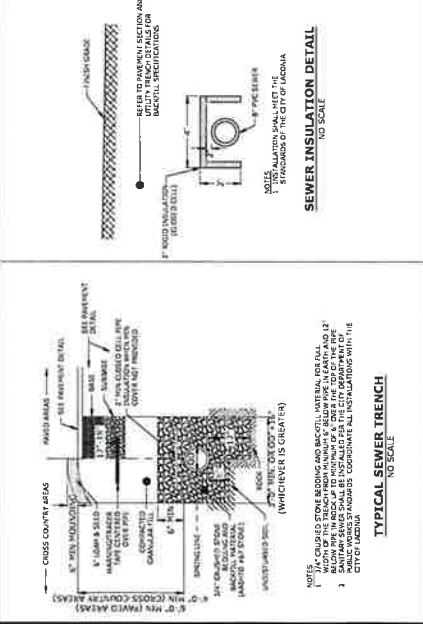
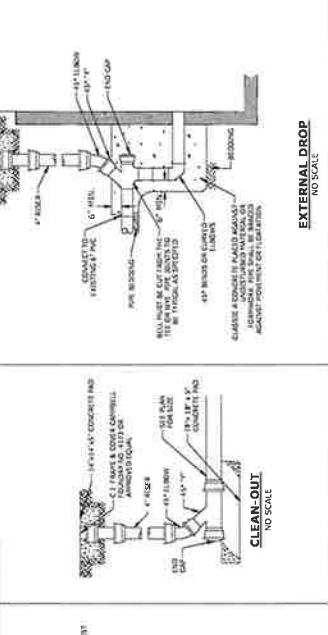
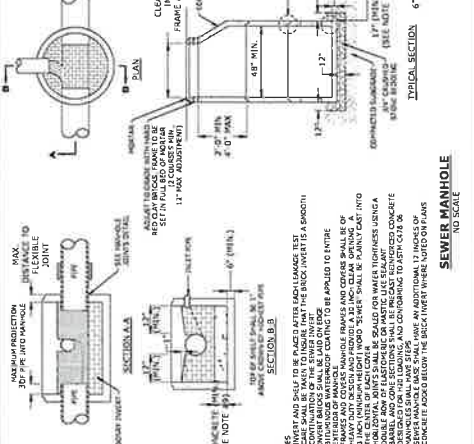
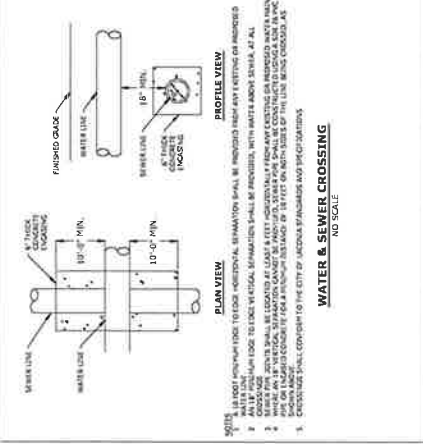
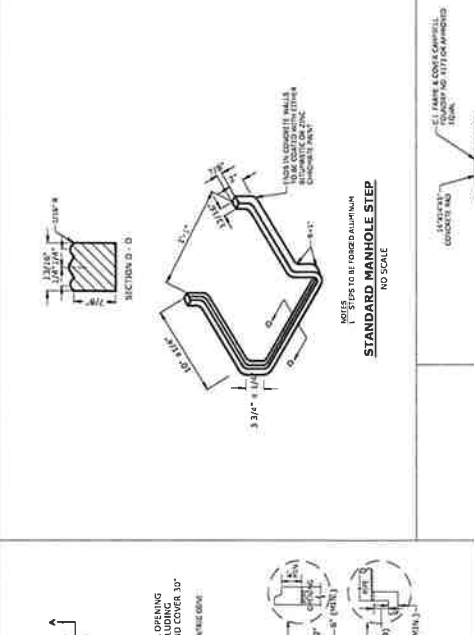
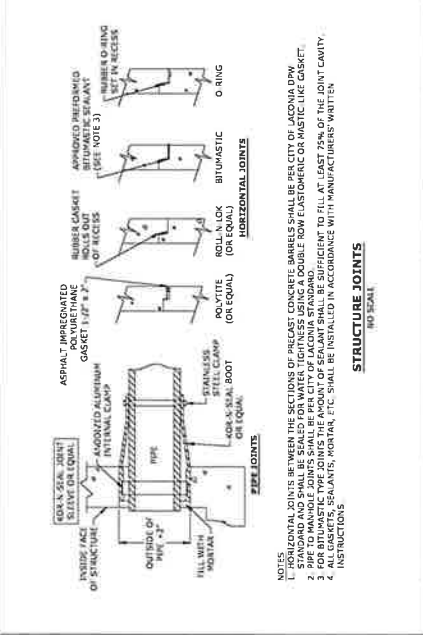
**33 White Oaks
 Road**

Laconia, New
 Hampshire

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	10/09
2	ISSUED FOR PERMIT	10/09
3	ISSUED FOR PERMIT	10/09
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DETAILS SHEET

SCALE: AS SHOWN
C-604



**33 WHITE
OAKS
SUBDIVISION**

33 White Oaks
Road

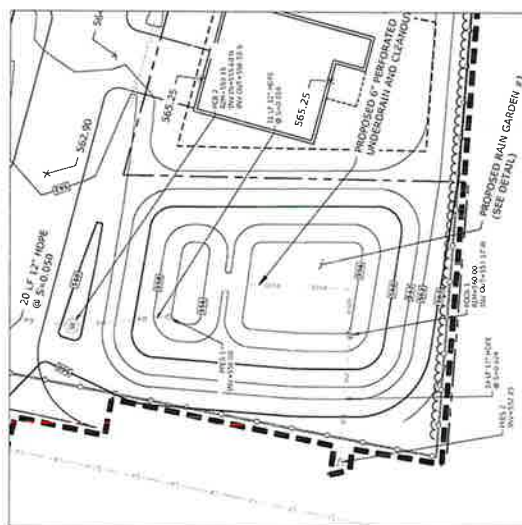
Laconia, New Hampshire

3	1/15/1978	TRC KENNAPAC	
	2877	24 SCOUT RD	
		ROCKY NC	85069 0718
		DATE	6/1/92 214
		NAME	MS09 0718 C DILL 6mg
		ISSUED BY	M CURLEY NC RECOUR
		COLLECTED BY	C MZCJUK
		PROVED BY	N HANSEN
			P CLIMMUS

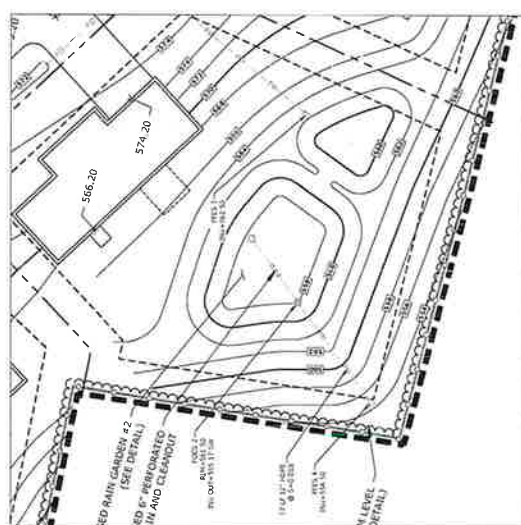
DETAILS SHEET

SCALE:	AS SHOWN
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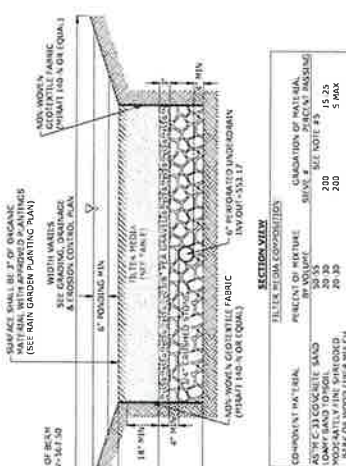
C-605



PLAN VIEW
SCALE 1"=20'



PLAN VIEW
SCALE: 1"=20'



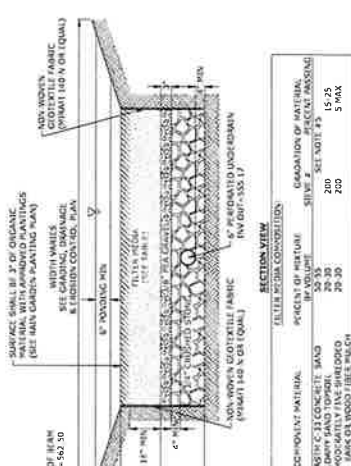
SECTION VIII

FILLER/RTM COMPOSITION		
COMPONENT MATERIAL	PERCENT OF MIXTURE BY VOLUME	USAGE OF MATERIAL SHEET # PERCENT BASKING
ASPHALT/COAL TARS	50-55	200
ASPHALT/COAL TARS	20-30	15-25
COAL TARS	20-30	5 MAX

NOTES

- [illegible]

RAIN GARDEN 1 SECTION



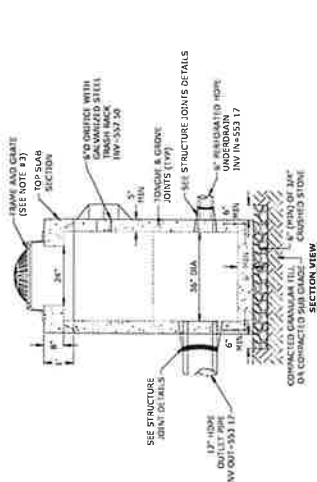
SECTION VIEW

FILLER PERCENT COMPOSITION		
PERCENT OF FILLER	GRAIN OF MATERIAL	PERCENT PASSING
IN VOLUME	SIEVE #	SEE NOTE #3
20-35	200	15-25
20-30	200	5 MAX
20-30	200	5 MAX

NOTES

- [illegible]

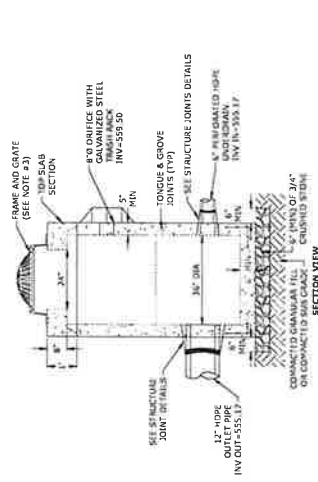
RAIN GARDEN 2 SECTION



SECTION VIEW

- [illegible]

OUTLET CONTROL STRUCTURE 1



SECTION VIEW

- [illegible]

OUTLET CONTROL STRUCTURE 2



THIS DOCUMENT IS RELEASED
FOR REVIEW ONLY
FOR CONSTRUCTION PURPOSES

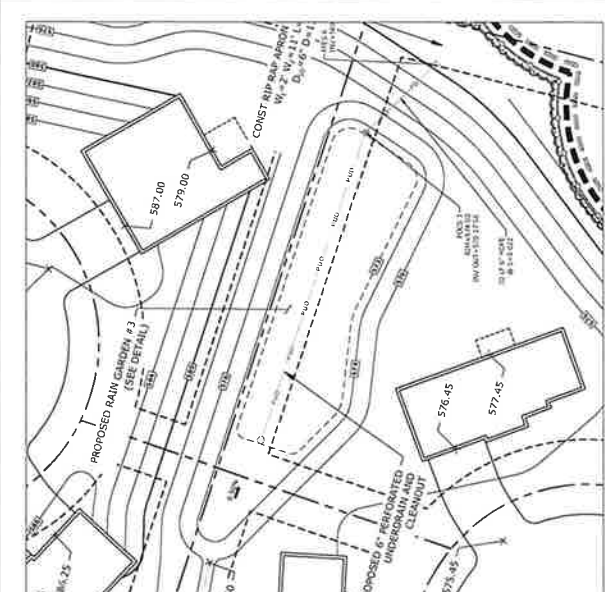
33 WHITE OAKS SUBDIVISION

33 White Oaks
Road

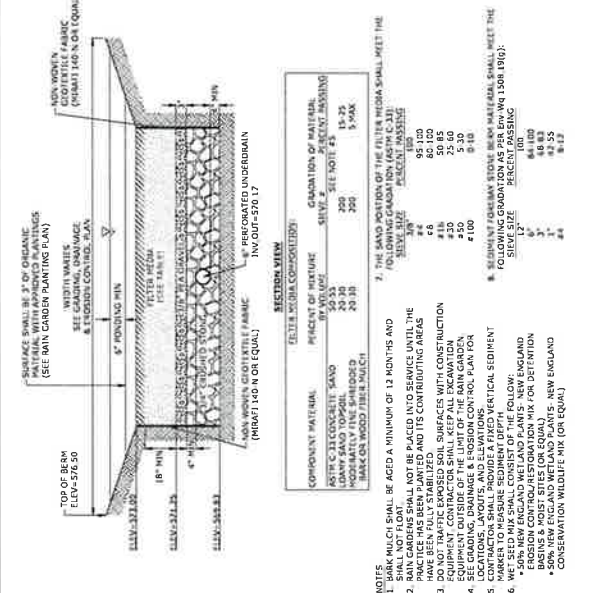
Laconia, New
Hampshire

DETAILS SHEET

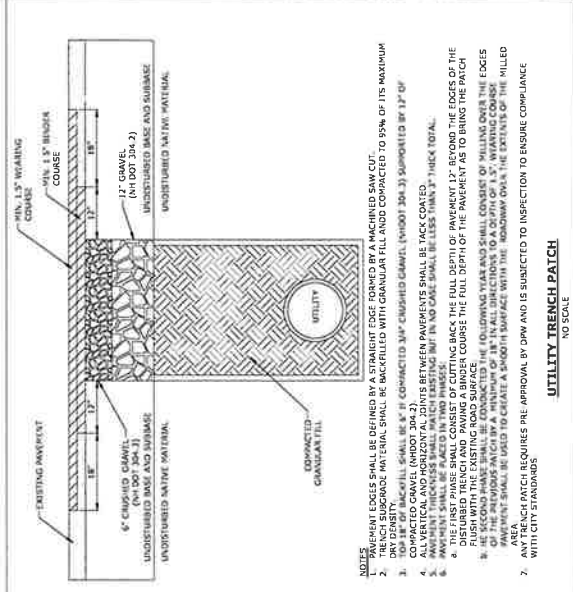
SCALE:
AS SHOWN



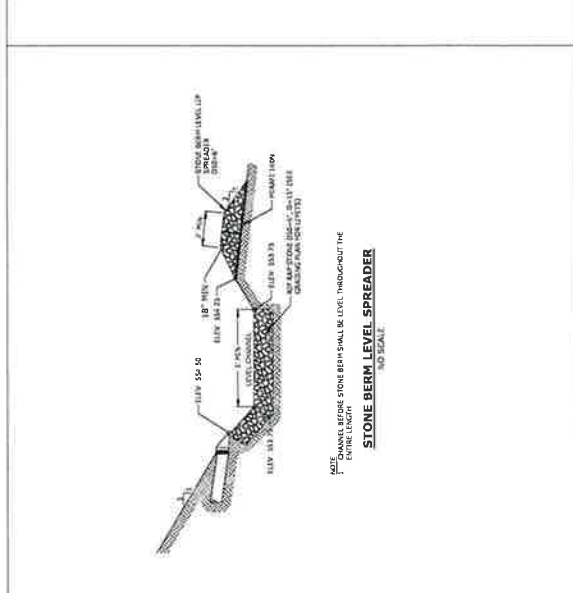
PLAN VIEW
SCALE: 1"=20'



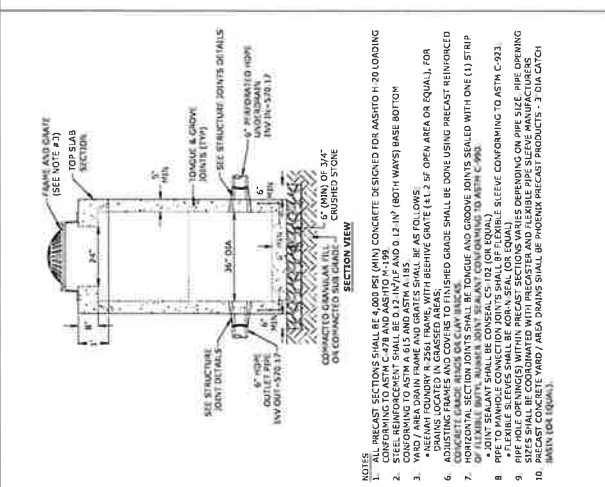
RAIN GARDEN 3 SECTION
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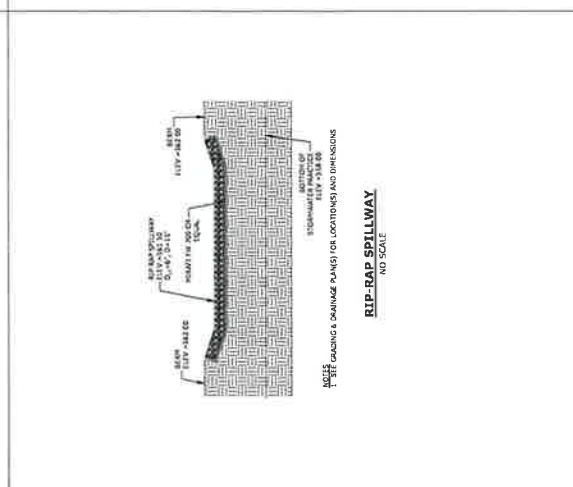
UTILITY TRENCH PATCH
NO SCALE



STONE BERM LEVEL SPREADER
NO SCALE



OUTLET CONTROL STRUCTURE 3
NO SCALE



RIP-RAP SPILLWAY
NO SCALE

- NOTES:
1. ALL PRECAST SECTIONS SHALL BE 4,000 PSI (MIN) CONCRETE DESIGNED FOR AASHTO H-20 LOADING CONFORMING TO ASTM A 615 AND ASTM A 118.
 2. CONCRETE SHALL BE PLACED AND FINISHED TO THE TOP OF THE CURB OR TO THE TOP OF THE CURB AND GUTTER.
 3. VERTICAL CURB SHALL BE 18" HIGH AND 18" WIDE.
 4. VERTICAL CURB SHALL BE 18" HIGH AND 18" WIDE.
 5. VERTICAL CURB SHALL BE 18" HIGH AND 18" WIDE.
 6. VERTICAL CURB SHALL BE 18" HIGH AND 18" WIDE.
 7. HORIZONTAL CURB SHALL BE 18" HIGH AND 18" WIDE.
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 9. HORIZONTAL CURB SHALL BE 18" HIGH AND 18" WIDE.
 10. HORIZONTAL CURB SHALL BE 18" HIGH AND 18" WIDE.

- NOTES:
1. ALL PRECAST SECTIONS SHALL BE 4,000 PSI (MIN) CONCRETE DESIGNED FOR AASHTO H-20 LOADING CONFORMING TO ASTM A 615 AND ASTM A 118.
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