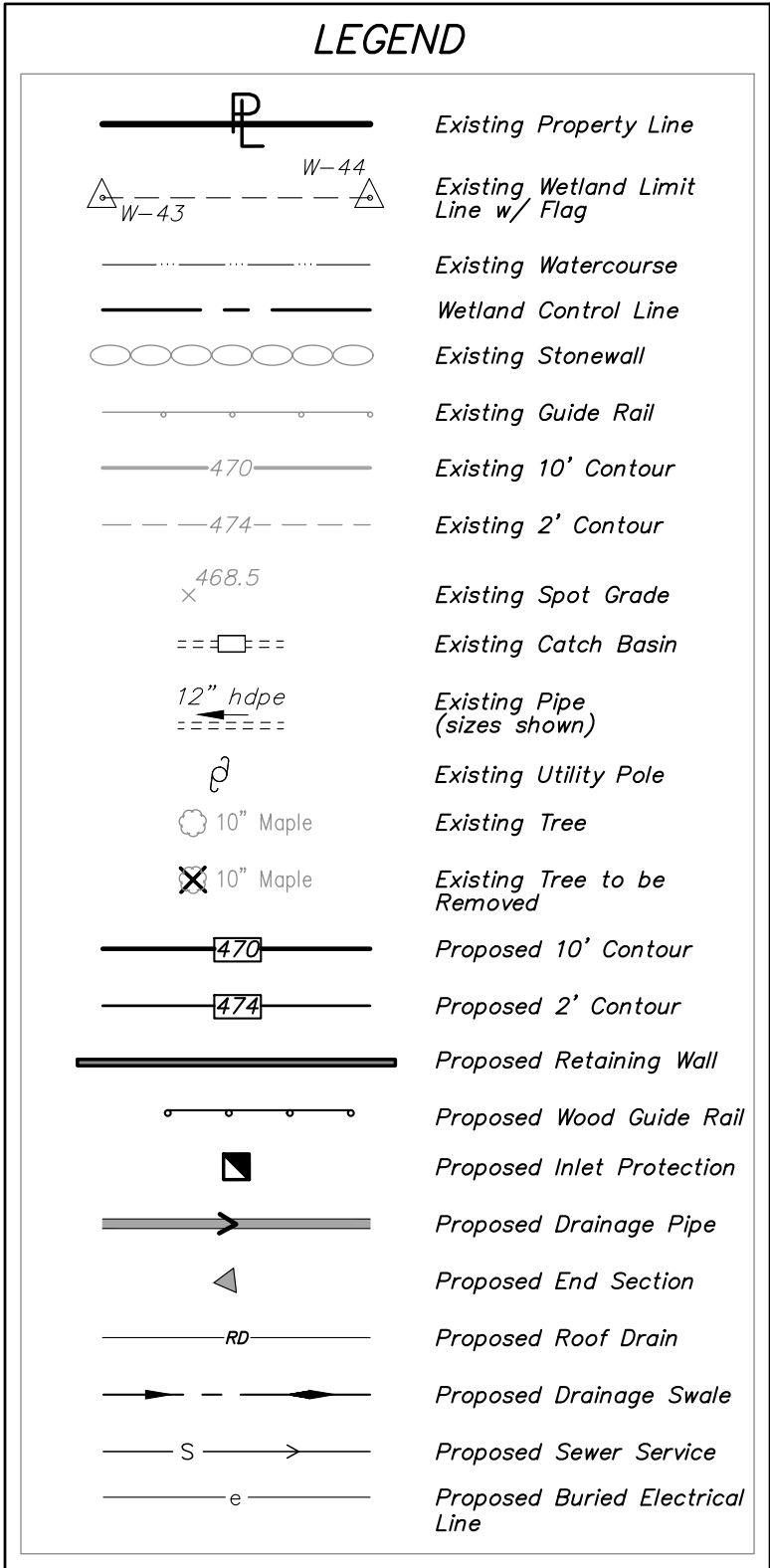




DEEP TEST TP7 THROUGH TP11 WERE PERFORMED ON SEPTEMBER 25, 2019 AND OBSERVED BY INSITE ENGINEERING. SURVEYING & LANDSCAPE ARCHITECTURE.

NOTE: NO GROUNDWATER, MOTTLING, OR ROCK ENCOUNTERED UNLESS NOTED

TP-7: 0-10" Topsoil
10-72" Tan/Brown Silty Sand with Gravel and Cobble.
Rock @ 72"

TP-8: 0-9" Topsoil
9-76" Tan Brown Compacted Fine Sand and Silt with Gravel and Cobbles
Rock @ 76"

TP-9: 0-14" Topsoil
14-75" Tan Silty Sand with Gravel and Cobbles
75-124" + Compact Tan Silty Sand with Gravel and Cobbles

TP-10: 0-15" Topsoil
15-53" Tan Silty Sand with Gravel and Cobbles
53-90" Compact Tan Silty Sand with Gravel and Cobbles

TP-11: 0-8" Topsoil
8-69" Brown Tan Silty Sand with Gravel and Cobbles
Rock @ 69"

INFILTRATION TESTS WERE PERFORMED ON SEPTEMBER 26, 2019 BY INSITE ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE.

1-7: 33 in/hr

1-9: 42 in/hr

1-11: 31 in/hr

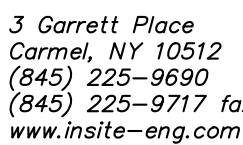
TABLE OF EXISTING TREES & TREES TO BE REMOVED (TM# 72.20-01-7.12)

- | | | | | | | | | | | | | |
|------------------------|---------------|---------------|------------------|----------------------|----------------|-------------|-----------|--------------|---------------------|----------------------|------------|---------|
| 18" MAPLE | 8" MAPLE | 8" MAPLE | 7" MAPLE | 10" MAPLE | 8" MAPLE | 10" BIRCH | 8" BIRCH | 14" HOCKEY | 20" LOUST | 12" CHERRY | 22" OAK | 8" OAK |
| 14" MAPLE | 6" MAPLE | 6" MAPLE | 6" MAPLE | 6" MAPLE | 8 7/8" MAPLE | 4" B" MAPLE | 10" BIRCH | 10" BIRCH | 12" HOCKEY | 20" LOUST | 12" CHERRY | 12" OAK |
| 18 7/8" 20" MAPLE | 10" MAPLE | 7" MAPLE | 8 7/8" MAPLE | 10" MAPLE | 12" MAPLE | 12" BIRCH | 10" BIRCH | 16" HOCKEY | 8" LOUST | 10" CHERRY | 18" OAK | 4" OAK |
| 8 7/4" MAPLE | 16" MAPLE | 7" MAPLE | 6" MAPLE | 20" MAPLE | 6" MAPLE | 10" BIRCH | 16" BIRCH | 7" HOCKEY | 24" LOUST | 10" CHERRY | 20" OAK | 18" OAK |
| 10" MAPLE | 10" MAPLE | 10" MAPLE | 7" MAPLE | 7" MAPLE | 14" MAPLE | 12" BIRCH | 16" BIRCH | 8" HOCKEY | 16" LOUST | 6" CHERRY | 12" OAK | 6" OAK |
| 14" MAPLE | 6" MAPLE | 10" MAPLE | 8 7/8" MAPLE | 10" MAPLE | 14" MAPLE | 14" BIRCH | 10" BIRCH | 8" HOCKEY | 16" LOUST | 14" CHERRY | 16" OAK | 6" OAK |
| 6" MAPLE | 8" MAPLE | 8" MAPLE | 8" MAPLE | 14" MAPLE | 14" MAPLE | 14" BIRCH | 10" BIRCH | 14" HOCKEY | 14" LOUST | 16" CHERRY | 7" OAK | 10" OAK |
| 18" MAPLE | 14" MAPLE | 14" MAPLE | 6" MAPLE | 8" MAPLE | 8" MAPLE | 16" BIRCH | 8" BIRCH | 6" HOCKEY | 16 7/8" LOUST | 10" CHERRY | 16" OAK | 15" OAK |
| 16" MAPLE | 14" MAPLE | 16" MAPLE | 4" 6" MAPLE | 8" MAPLE | 16 7/8" MAPLE | 8" BIRCH | 7" BIRCH | 6" HOCKEY | 18" LOUST | 15" CHERRY | 16" OAK | 14" OAK |
| 16" MAPLE | 6" MAPLE | 5 1/2" MAPLE | 7" MAPLE | 6 7/8" MAPLE | 15" MAPLE | 6" BIRCH | 10" BIRCH | 7" HOCKEY | 28" LOUST | 16" CHERRY | 15" OAK | 10" OAK |
| 12" MAPLE | 6" MAPLE | 6" MAPLE | 8" MAPLE | 8" MAPLE | 5 7/4" MAPLE | 16" BIRCH | 10" BIRCH | 8" HOCKEY | 16" LOUST | 6 7/2" CHERRY | 14" OAK | 8" OAK |
| 10" MAPLE | 8" MAPLE | 16" MAPLE | 7 7/8" 10" MAPLE | 16" MAPLE | 15" MAPLE | 14" BIRCH | 8" BIRCH | 16" HOCKEY | 30" RALP | 6 7/8" 7 1/2" CHERRY | 12" OAK | 6" OAK |
| 12" MAPLE | 16" MAPLE | 16" MAPLE | 8 7/8" MAPLE | 10" MAPLE | 14" MAPLE | 14" BIRCH | 10" BIRCH | 16" HOCKEY | 30" RALP | 6 7/8" 7 1/2" CHERRY | 16" OAK | 16" OAK |
| 8" MAPLE | 16" MAPLE | 6" MAPLE | 16" MAPLE | 6" MAPLE CLUMP | 8" MAPLE | 10" BIRCH | 10" BIRCH | 10" HOCKEY | 10" MALLS | 14" CHERRY | 42" OAK | 15" OAK |
| 7" MAPLE | 8" MAPLE | 7" MAPLE | 7 7/8" MAPLE | 10" MAPLE | 6 7/2" MAPLE | 8" BIRCH | 8" BIRCH | 16" HOCKEY | 16" MAPLE | 4 7/8" 5 7/8" CHERRY | 12" OAK | 15" OAK |
| 10" MAPLE | 20" MAPLE | 10" MAPLE | 10" MAPLE | 12" MAPLE | 10" MAPLE | 22" BIRCH | 10" BIRCH | 6" CEDAR | 14" MAPLE | 14" CHERRY | 14" OAK | 12" OAK |
| 7" MAPLE | 18" MAPLE | 6" MAPLE | 3 7/8" MAPLE | 10" MAPLE | 8 10/12" MAPLE | 16" BIRCH | 10" BIRCH | 6 7/8" CEDAR | 6" MAPLE | 8" CHERRY | 7" OAK | 10" OAK |
| 28" MAPLE | 16" MAPLE | 12" MAPLE | 18" MAPLE | 12" MAPLE | 12" MAPLE | 12" BIRCH | 12" BIRCH | 6" CEDAR | 10" MAPLE | 12" OAK | 7" OAK | 7" OAK |
| 7" MAPLE | 22" MAPLE | 8" MAPLE | 8" MAPLE | 12" MAPLE | 7" MAPLE | 14" BIRCH | 6" BIRCH | 6" CEDAR | 12" MAPLE | 16" OAK | 12" OAK | 14" OAK |
| 7" MAPLE | 4" MAPLE | 16" MAPLE | 16" MAPLE | 8" MAPLE | 8" MAPLE | 16" BIRCH | 6" BIRCH | 7" CEDAR | 4" BLACK GLUM | 14" OAK | 16" OAK | 12" OAK |
| 6" MAPLE | 4" MAPLE | 12" MAPLE | 6" MAPLE | 8" MAPLE | 16" MAPLE | 16" BIRCH | 6" BIRCH | 7" CEDAR | 8" BLACK GLUM | 16" OAK | 16" OAK | 16" OAK |
| 6" MAPLE | 6" MAPLE | 16" MAPLE | 10" MAPLE | 10" MAPLE | 15" MAPLE | 16" BIRCH | 8" BIRCH | 7" CEDAR | 22" BLACK GLUM | 14" OAK | 20" OAK | 7" OAK |
| 8" MAPLE | 8" MAPLE | 16" MAPLE | 8" MAPLE | 10" MAPLE | 14 7/8" MAPLE | 27" BIRCH | 14" BIRCH | 8" CEDAR | 10" BLACK GLUM | 16" OAK | 12" OAK | 7" OAK |
| 10" MAPLE | 10" MAPLE | 8" MAPLE | 12" MAPLE | 10" MAPLE | 10" MAPLE | 16" BIRCH | 6" BIRCH | 8" CEDAR | 16" BLACK GLUM | 20" OAK | 7" OAK | 7" OAK |
| 18" MAPLE | 7" MAPLE | 10" MAPLE | 10" MAPLE | 7" MAPLE | 18" MAPLE | 18" BIRCH | 12" BIRCH | 10" CEDAR | 16" BLACK GLUM | 14" OAK | 15" OAK | 10" OAK |
| 10" MAPLE | 10 5/8" MAPLE | 7 7/8" MAPLE | 10 5/8" MAPLE | 7 7/8" 10 7/4" MAPLE | 6" BIRCH | 12" BIRCH | 12" BIRCH | 8 7/7" CEDAR | 14" OAK | 14" OAK | 16" OAK | 10" OAK |
| 10" MAPLE | 8 7/10" MAPLE | 10 5/8" MAPLE | 16" MAPLE | 10 5/8" MAPLE | 16" MAPLE | 16" OAK | 16" OAK | 3 7/7" CEDAR | 8" BLACK GLUM | 12" OAK | 7" OAK | 7" OAK |
| 4" 6" MAPLE CLUMP | 4" MAPLE | 8" MAPLE | 28" MAPLE | 12" MAPLE | 32" MAPLE | 12" BIRCH | 8" BIRCH | 8" CEDAR | 10 7/10" BLACK GLUM | 12" OAK | 8" OAK | 15" OAK |
| 12" 20" 20 7/24" MAPLE | 6" MAPLE | 7" MAPLE | 7 7/8" MAPLE | 10" MAPLE | 15" MAPLE | 18" BIRCH | 16" BIRCH | 8" CEDAR | 6" CHERRY | 8" OAK | 10" OAK | 8" OAK |

Removals for the remediation: 190
Removals in the Protected Zone: 28
Clear Cutting for the septic: 32
Other removals: 16
Total Removals: 266

ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF
SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.

11	1-27-21	REVISED PER PCDHF COMMENTS	MEU
10	12-7-20	REVISED PER TOWN & PCDHF COMMENTS	JWM
9	8-13-20	ISSUED FOR BID	JWM
8	2-18-20	REVISED PER TOWN COMMENTS	GM
7	1-21-20	REVISED PER TOWN COMMENTS	GM
6	11-6-19	REVISED FOR ZBA SUBMISSION	GM
5	9-13-19	REVISED PER TOWN COMMENTS	MEU
4	07-29-19	REVISED FOR PLANNING BOARD SUBMISSION	KAM
3	12-4-17	GENERAL REVISION	MEU
2	02-24-17	REVISED FOR COORDINATED REVIEW	SJC
1	11-30-16	REVISED FOR TEAM REVIEW	MEU
NO.	DATE	REVISION	BY



GRADING & UTILITIES PLAN

PROJECT NUMBER	09105.100	PROJECT MANAGER	J.J.C.	DRAWING NO. SP-2.2	SHEET 4 11
DATE	11-20-09	DRAWN BY	E.J.K.		
SCALE	1" = 40'	CHECKED BY	E.M.S.		