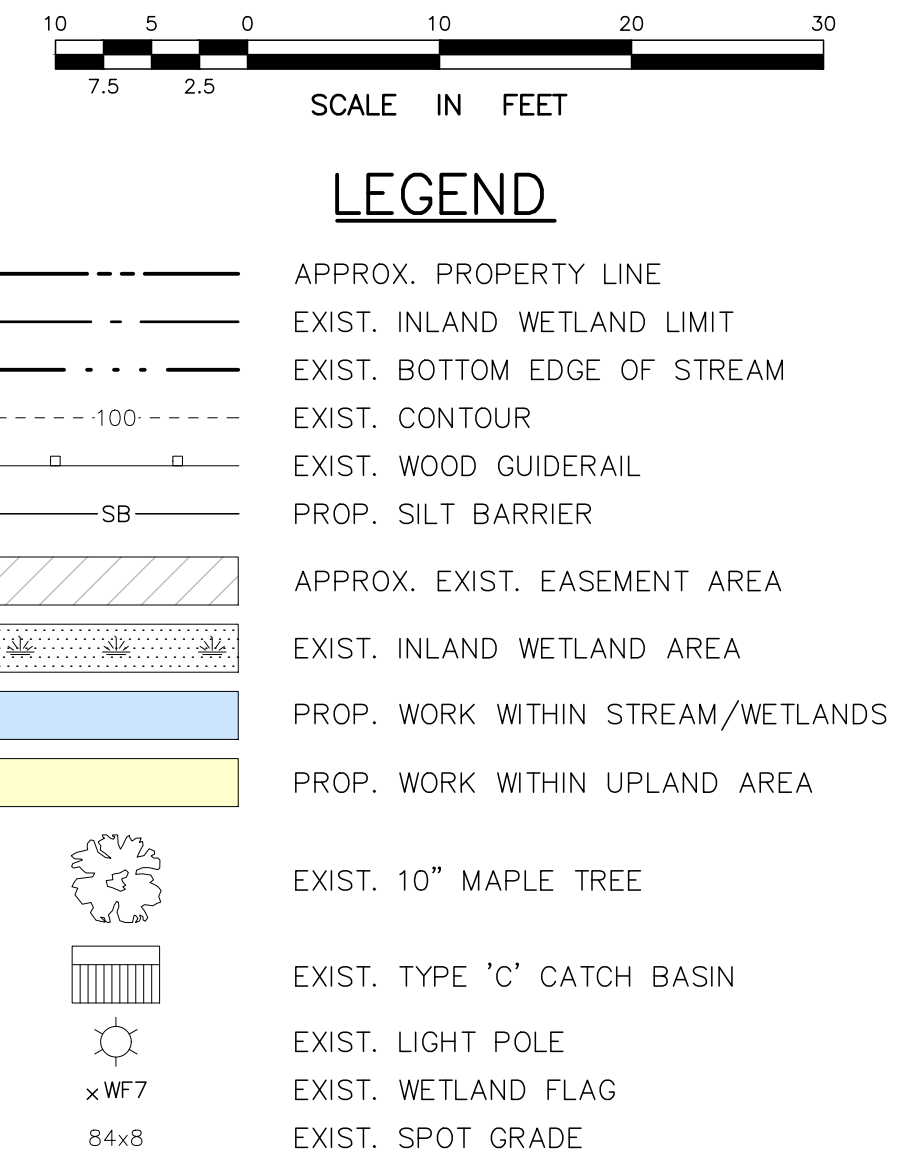


GENERAL NOTES:

- THIS PLAN WAS COMPILED USING THE FOLLOWING REFERENCE INFORMATION:
 - A CLASS A-2 SURVEY MAP ENTITLED "GENERAL LOCATION SURVEY PREPARED FOR CHAPMAN WOODS ASSOCIATION, CHAPMAN WOODS ROAD-EAST LYME, CONNECTICUT", SCALE: 1"=10', DATED: JANUARY 24, 2024, PREPARED BY: ROBERT C. SIMONI LICENSED LAND SURVEYOR.
 - A SITE PLAN ENTITLED "SITE DEVELOPMENT PLAN, 1 OF 2, WESTERN PORTION, CHAPMAN WOODS, ROUTE 161, FLANDERS ROAD, EAST LYME, CONNECTICUT", SCALE: 1"=40', DATED: SEPTEMBER 2, 1999 WITH REVISIONS THROUGH NOVEMBER 30, 2001, PREPARED BY: ANGUS McDONALD / GARY SHARPE & ASSOCIATES, INC.
- THE PROPERTY OWNER AND APPLICANT IS CHAPMAN WOODS ASSOCIATION, INC OF 150 EUGENE O'NEILL DRIVE, NEW LONDON, CT 06320.
- THE SUBJECT PARCEL IS IDENTIFIED AS LOT 13-2 ON TAX ASSESSOR'S MAP 26.1. THE PROPERTY IS LOCATED WITHIN THE "CA COMMERCIAL" ZONING DISTRICT.
- THERE IS AN EXISTING 2'x4' BOX CULVERT AND CATCH BASINS THAT DRAIN TO A STREAM ALONG CHAPMAN WOODS ROAD, AS SHOWN. OVER TIME, SEDIMENT AND DISLOGGED RIPRAP HAS ACCUMULATED AT THE DRAINAGE SYSTEM OUTLET PIPE ADVERSELY EFFECTED THE FLOW OF THE DRAINAGE SYSTEM AND CAUSING THE OUTLET PIPE OF THE NEAREST DOWNSTREAM CATCH BASIN TO BECOME BURIED. THE APPLICANT IS PROPOSING TO REMOVE THE ACCUMULATED SEDIMENT TO RESTORE THE FLOW OF THE STREAM TO ITS ORIGINAL CONDITION AND TO ALLOW THE ROADWAY DRAINAGE SYSTEM TO DRAIN PROPERLY. A TEMPORARY STONE CHECK DAM BERM IS ALSO PROPOSED TO CONTAIN ANY SEDIMENT DURING CONSTRUCTION.
- THIS PLAN IS FOR REVIEW BY THE EAST LYME INLAND WETLANDS AGENCY FOR PROPOSE WORK WITHIN INLAND WETLANDS AND THE UPLAND REVIEW AREA.
- ALL ELEVATIONS SHOWN HEREON ARE BASED ON AN ASSUMED DATUM PER REFERENCE MAP A.
- INLAND WETLAND LIMIT WAS DELINEATED BY ROBERT RUSSO, C.P.S.S. ON NOVEMBER 30, 2023 AND LOCATED IN THE FIELD BY ROBERT C. SIMONI, L.S.

CONSTRUCTION NOTES:

- THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON FIELD LOCATIONS AND INFORMATION PROVIDED BY OTHERS. THEIR ACTUAL LOCATION MAY VARY FROM THOSE INDICATED AND ALL UNDERGROUND UTILITIES MAY NOT BE SHOWN. THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT 800-922-4455 TO MARK OUT ALL UNDERGROUND UTILITIES A MINIMUM OF 3 BUSINESS DAYS PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY. CONTRACTOR SHALL VERIFY ALL LOCATIONS, DIMENSIONS AND ELEVATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL ADHERE TO ALL APPLICABLE TOWN OF EAST LYME STANDARDS AND REGULATIONS.
- ALL PROPERTY LINES SHALL BE VERIFIED IN THE FIELD. NO PRIVATE PROPERTY SHALL BE DISTURBED UNLESS PROPER RIGHTS ARE OBTAINED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONFIRM AND ABIDE BY ANY APPLICABLE 'NO HAMMER' TIME PERIODS OF THE COMMUNITY.
- THE CONTRACTOR SHALL OBTAIN, REVIEW AND ADHERE TO ALL REQUIREMENTS AND ANY CONDITIONS OF APPROVAL OF THE TOWN OF EAST LYME.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT ADJACENT PROPERTIES FROM ANY EROSION AND/OR SEDIMENTATION. THE TEMPORARY STONE CHECK DAM BERM SHALL BE INSTALLED AS SHOWN AND SHALL BE REMOVED IN ITS ENTIRETY AFTER CONSTRUCTION.
- THE EXISTING CATCH BASINS AND PIPES DRAINING TO THE SECTION OF STREAM SHOWN WITHIN THE PROPOSED WORK AREA SHALL BE INSPECTED AND CLEANED AS NEEDED.
- ALL DISTURBED AREAS SHALL BE LOADED, SEEDED AND MULCHED AS NECESSARY OR OTHERWISE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER. SILT FENCE OR STRAW WATLES SHALL BE USED AROUND THE AREA TO PREVENT SILTATION TO THE STREAM OR ROAD AND SHALL BE REMOVED AS SOON AS THE TOWN WETLANDS AGENT DEEMS THE AREA ADEQUATELY STABILIZED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND PROTECTING VEHICULAR AND PEDESTRIAN TRAFFIC FLOW THROUGH THE SITE DURING CONSTRUCTION.
- EXCAVATED SEDIMENTS SHALL NOT BE STOCKPILED ON SITE AND SHALL BE HAULED OFF SITE IMMEDIATELY.
- ALL WORK SHALL BE CONDUCTED DURING AN EXTENDED DRY PERIOD WITH NO ACTIVE STREAM FLOW AND NO FORECAST PRECIPITATION OVER THE ENTIRE CONSTRUCTION DURATION. ALL WORK SHALL BE CONDUCTED FROM DOWNSTREAM TO UPSTREAM.



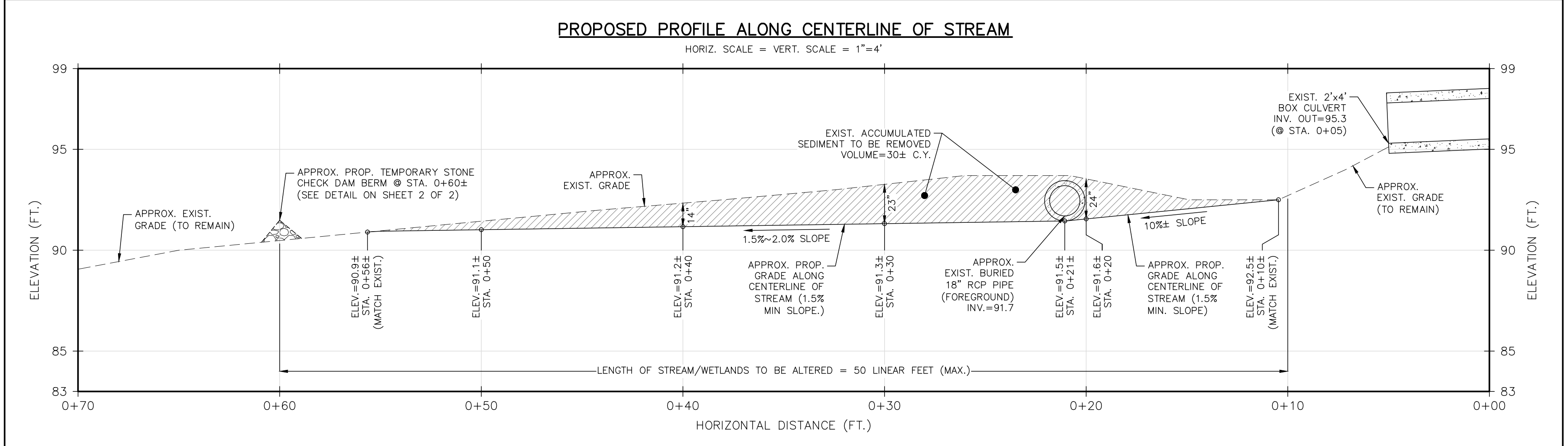
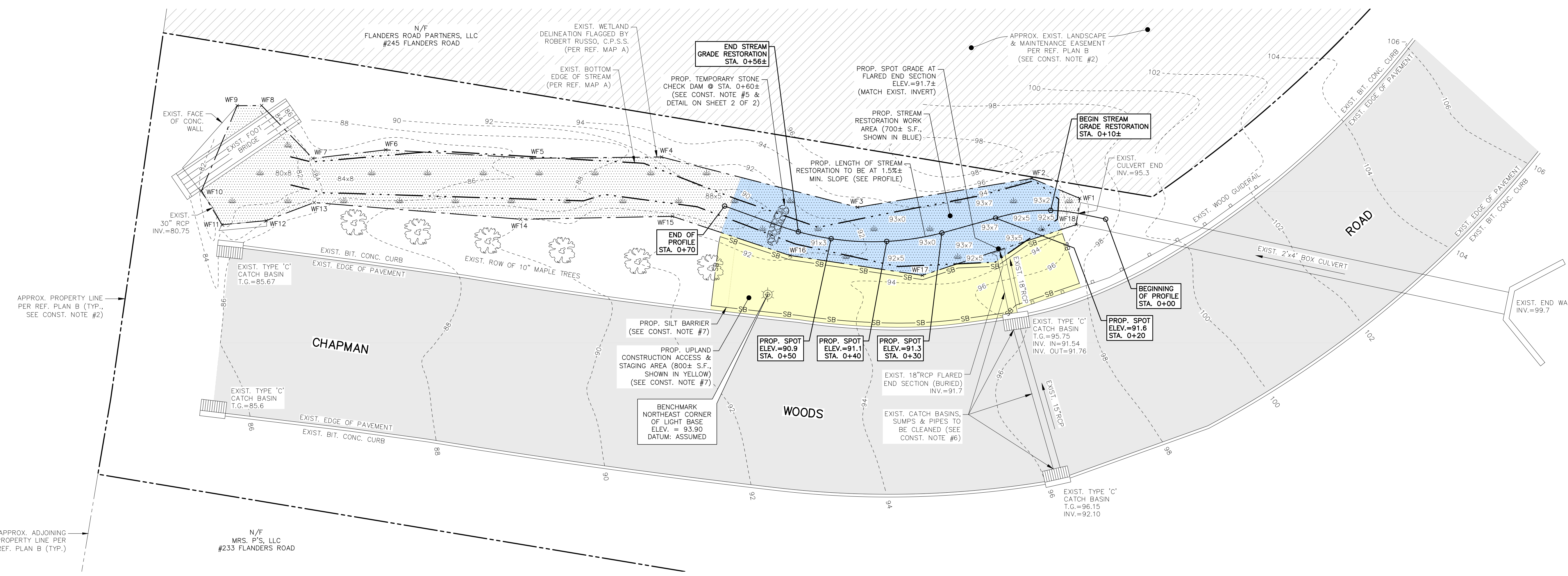
PLAN PREPARED BY:
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THE EMBOSSED SEAL OF THE PROFESSIONAL ENGINEER AFFIXED HERE FOR THIS MAP TO BE VALID

#	DATE	DESCRIPTION	BY

STREAM MAINTENANCE DREDGING PLAN
PREPARED FOR CHAPMAN WOODS ASSOCIATION, INC.
CHAPMAN WOODS ROAD -- TAX MAP 26.1 LOT 13-2
EAST LYME, CONNECTICUT

DATE: FEBRUARY 6, 2024
SCALE: 1"=10'
DRAWN BY: RG
CHECKED BY: JW
DWG. NO.: SMDP-1
SHEET NO.: 1 of 2
JOB NO.: 2023-971



INLAND WETLANDS DATA TABLE

NOTES	QUANTITY
TOTAL LENGTH OF STREAM/WETLAND DISTURBED	50 L.F. (MAX.)
TOTAL AREA STREAM/WETLAND DISTURBED	700± S.F. (0.016 AC.)
TOTAL VOLUME OF SEDIMENT TO BE REMOVED FROM STREAM/WETLANDS	30± CU. YD.
TOTAL AREA OF UPLAND DISTURBED	800± S.F. (0.018 AC.)

SOIL EROSION & SEDIMENTATION CONTROL PLAN NARRATIVE

THE SITE CONTRACTOR MUST FOLLOW ALL GUIDELINES SET FORTH IN THE MANUAL ENTITLED "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION. THIS MANUAL IS ALSO KNOWN AS DEP BULLETIN 34.

PROJECT DESCRIPTION

THERE IS AN EXISTING 2'x4' BOX CULVERT AND CATCH BASINS THAT DRAIN TO A STREAM ALONG CHAPMAN WOODS ROAD, AS SHOWN. OVER TIME, SEDIMENT AND DISLODGED RIPRAP HAS ACCUMULATED AT THE DRAINAGE SYSTEM OUTLET PIPE ADVERSELY EFFECTED THE FLOW OF THE DRAINAGE SYSTEM AND CAUSING THE OUTLET PIPE OF THE NEAREST DOWNSTREAM CATCH BASIN TO BECOME BURIED. THE APPLICANT IS PROPOSING TO REMOVE THE ACCUMULATED SEDIMENT TO RESTORE THE FLOW OF THE STREAM TO ITS ORIGINAL CONDITION AND TO ALLOW THE ROADWAY DRAINAGE SYSTEM TO DRAIN PROPERLY. A TEMPORARY STONE CHECK DAM BERM IS ALSO PROPOSED TO CONTAIN ANY SEDIMENT DURING CONSTRUCTION.

CONSTRUCTION IS ANTICIPATED TO COMMENCE IN LATE WINTER/EARLY SPRING 2024 AND SHALL BE DONE DURING AN EXTENDED DRY PERIOD. A STONE CHECK DAM BERM SHALL BE INSTALLED PRIOR TO CONSTRUCTION ACTIVITIES AND SHALL BE REMOVED IN ITS ENTIRETY AFTER CONSTRUCTION. ALL DISTURBED AREAS SHALL BE LOAMED, SEEDED AND MULCHED AS NECESSARY OR OTHERWISE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER. SILT FENCE OR STRAW WATTLES SHALL BE USED AROUND THE AREA TO PREVENT SILTATION TO THE STREAM OR ROAD AND SHALL BE REMOVED AS SOON AS THE TOWN WETLANDS AGENT DEEMS THE AREA ADEQUATELY STABILIZED. ALL E&S CONTROLS SHALL BE MAINTAINED AND REPAIRED OR REPLACED AS NEEDED THROUGHOUT THE CONSTRUCTION DURATION.

CONSTRUCTION SEQUENCE

1. CONTACT "CALL BEFORE YOU DIG" TO MARK OUT ALL UTILITY LOCATIONS PRIOR TO ANY CONSTRUCTION ACTIVITIES.
2. ENSURE ALL LAND USE PERMITS HAVE BEEN SECURED. OBTAIN ALL NECESSARY PERMITS.
3. INSTALL TEMPORARY STONE CHECK DAM BERM DOWNSTREAM OF THE WORK AREA.
4. REMOVE ACCUMULATED SEDIMENT FROM THE STREAM/WETLANDS AND HAUL OFF SITE IMMEDIATELY.
5. REGRADE STREAM SO IT HAS POSITIVE PITCH WITH A MINIMUM SLOPE OF 1.5%± (RESTORE ORIGINAL CONDITIONS).
6. REMOVE TEMPORARY STONE CHECK DAM BERM.
7. INSPECT AND CLEAN THE CATCH BASINS, SUMPS, AND PIPES WITHIN THE PROPOSED WORK AREA.
8. INSTALL SILT BARRIER AS SHOWN ON SITE PLAN.
9. LOAM, SEED AND MULCH DISTURBED UPLAND AREAS AS REQUIRED. NO PESTICIDES OR NON-ORGANIC FERTILIZERS SHALL BE USED.
10. REMOVE SILT BARRIER WHEN SITE HAS BEEN DEEMED STABILIZED BY TOWN WETLANDS OFFICER.

LAND DISTURBANCE

8. ALL CONSTRUCTION EQUIPMENT AND MATERIALS SHALL NOT BE PLACED OUTSIDE OF THE DISTURBED AREAS.
9. REMOVED SEDIMENT SHALL NOT BE STOCKPILED ON SITE AND SHALL BE HAULED OFF SITE IMMEDIATELY.

SOIL EROSION AND SEDIMENT CONTROLS

ALL ADJACENT PROPERTIES AND RECEIVING WATERCOURSES AND/OR WETLAND AREAS SHALL BE ADEQUATELY PROTECTED FROM SOIL EROSION AND SEDIMENTATION BOTH DURING AND AFTER CONSTRUCTION.

ADDITIONAL EROSION AND SEDIMENT CONTROLS MAY BE REQUIRED BY THE TOWN OF EAST LYME AND SHALL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROLS BEFORE, DURING AND AFTER CONSTRUCTION. THE CONTRACTOR IS ALSO RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF ALL EROSION AND SEDIMENT CONTROLS ONCE THE SITE IS COMPLETELY STABILIZED.

ALL EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER ALL RAINFALL EVENTS. E&S CONTROLS SHALL BE REPAIRED OR REPLACED AS NECESSARY WITHIN 24 HOURS THROUGHOUT THE CONSTRUCTION DURATION.

ALL ACCUMULATED SEDIMENTS AT ALL EROSION AND SEDIMENT CONTROLS SHALL BE PERIODICALLY REMOVED AND SPREAD IN AREAS THAT ARE NOT SUBJECT TO EROSION.

THE CONTRACTOR SHALL EMPLOY BEST MANAGEMENT PRACTICES TO CONTROL STORMWATER DISCHARGES AND TO PREVENT EROSION AND SEDIMENTATION AND TO OTHERWISE PREVENT POLLUTION OF WETLANDS OR WATERCOURSES OR PRIVATE PROPERTY. THE CONTRACTOR SHALL IMMEDIATELY INFORM THE TOWN OF EAST LYME OF ANY PROBLEMS INVOLVING EROSION AND/OR SEDIMENTATION THAT HAVE DEVELOPED IN THE COURSE OF, OR THAT ARE CAUSED BY, THE AUTHORIZED WORK.

THE RESPONSIBLE CONTACT PERSON FOR THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS ON THIS PROJECT WILL BE THE SITE CONTRACTOR AND/OR THE GENERAL CONTRACTOR. ONCE THE GENERAL CONTRACTOR IS SELECTED, CONTACT INFORMATION WILL BE PROVIDED TO THE TOWN.

VEGETATIVE TURF ESTABLISHMENT PROCEDURE

SCARIFY ALL AREAS TO BE TOPSOILED AND SEEDED. APPLY A MINIMUM OF 4 INCHES OF TOPSOIL ON ALL AREAS TO BE SEEDED. APPLY GRASS SEED, LIME, FERTILIZER AND MULCH ACCORDING TO THE FOLLOWING SCHEDULE:

PERMANENT SEED MIXTURE:

CREEPING RED FESCUE	0.45 LBS. PER 1,000 SQ. FT.
REDTOP	0.05
TALL FESCUE	0.45
TOTAL	0.95

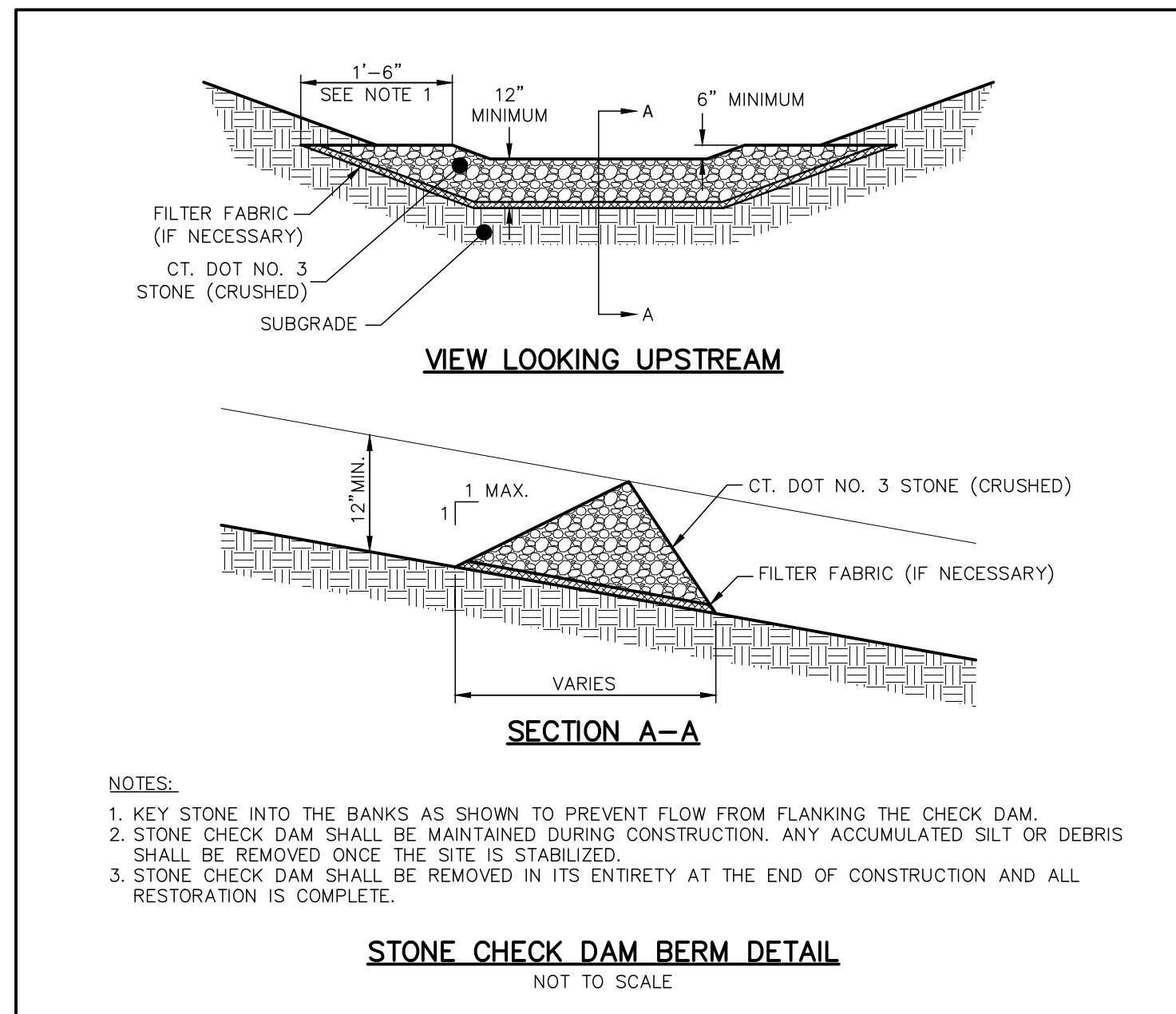
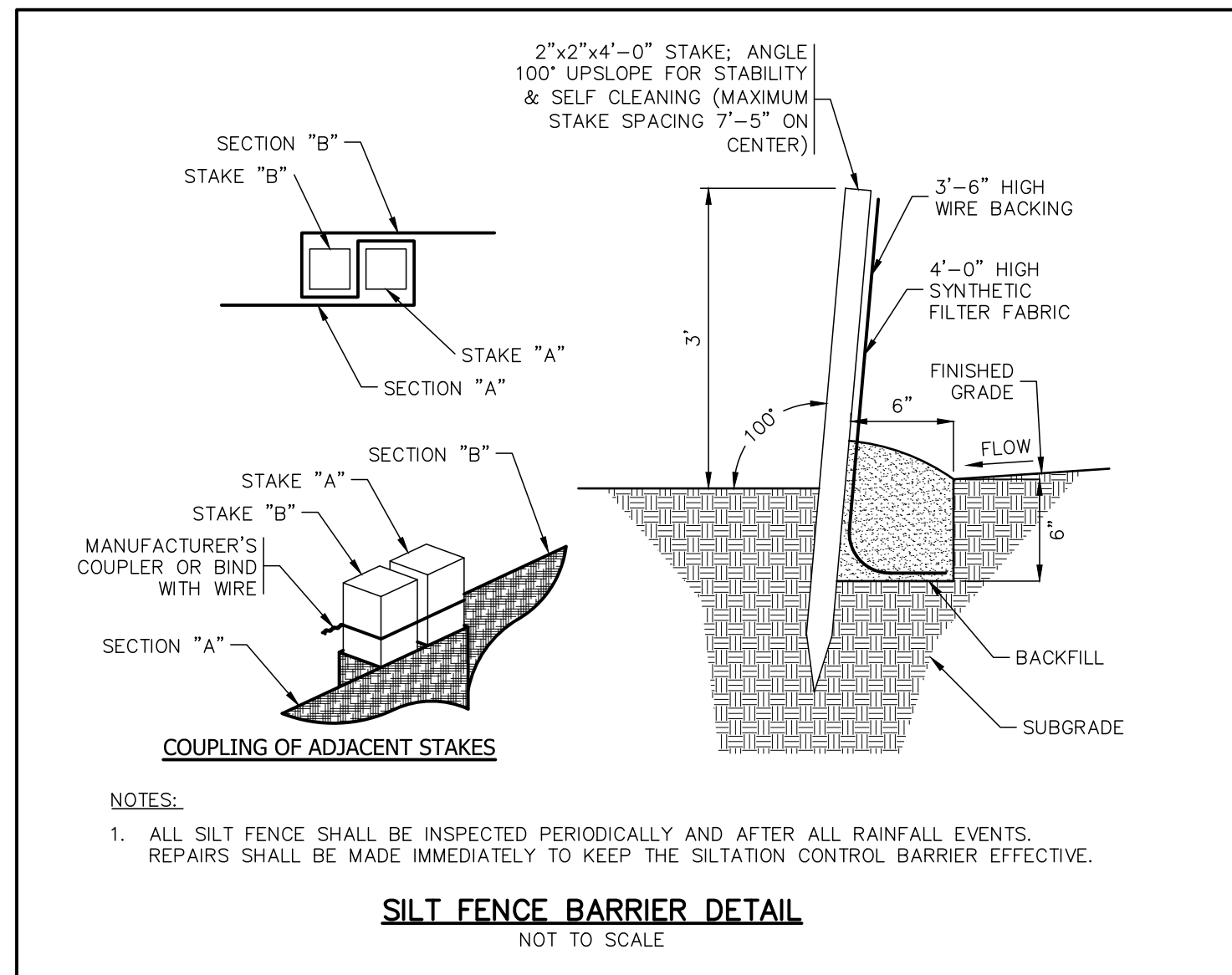
FERTILIZER:
10-10-10 APPLY AT 7.5 LBS. PER 1,000 SQ. FT.

LIMESTONE:
APPLY AT 150 LBS. PER 1,000 SQ. FT.

MULCHING:
SPREAD HAY OR STRAW OVER ALL AREAS AFTER SEEDING. USE 1 1/2 TO 2 BALES PER 1,000 SQ. FT. TARGET FOR 100% COVERAGE. ANCHOR BY USING NETTING OR TRACKING AS NECESSARY.

TEMPORARY EROSION CONTROL BLANKETS:
USE TEMPORARY EROSION CONTROL BLANKETS ON ALL SEEDED SLOPES STEEPER THAN 3 (H) TO 1 (V) AND/OR AS DIRECTED BY THE DESIGN ENGINEER.

SEEDING DATES:
SEEDING DATES IN CONNECTICUT ARE NORMALLY APRIL 1 THROUGH JUNE 15 AND AUGUST 15 THROUGH OCTOBER 1. SEED GERMINATION NORMALLY CANNOT BE EXPECTED FROM NOVEMBER THROUGH FEBRUARY. IF ADEQUATE SEED GERMINATION IS NOT POSSIBLE DUE TO TIME OF YEAR CONSTRAINTS, MULCHING SHALL BE ADEQUATELY PROVIDED TO PROTECT THE SEED FROM WIND AND SURFACE EROSION UNTIL THE WEATHER IMPROVES AND THE SEEDING BECOMES WELL ESTABLISHED.



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THE EMBOSSED SEAL OF THE REGISTERED PROFESSIONAL ENGINEER MUST BE AFFIXED HERE FOR THIS MAP TO BE VALID

#	DATE	DESCRIPTION	BY

SOIL E & S NOTES & DETAILS
PREPARED FOR CHAPMAN WOODS ASSOCIATION, INC.
CHAPMAN WOODS ROAD -- TAX MAP 26.1 LOT 13-2
EAST LYME, CONNECTICUT

DATE:	FEBRUARY 6, 2024
SCALE:	AS NOTED
DRAWN BY:	RG
CHECKED BY:	JW
DWG. NO.:	SES-1
SHEET NO.:	2 of 2
JOB NO.:	2023-971