

ANGLED UP SLOPE

NOTE: SUBSURFACE DRAINAGE SHOULD BE INSTALLED AT

STABILIZED ANTI-TRACKING PAD.

ALL POORLY DRAINED LOCATIONS BEFORE INSTALLING THE

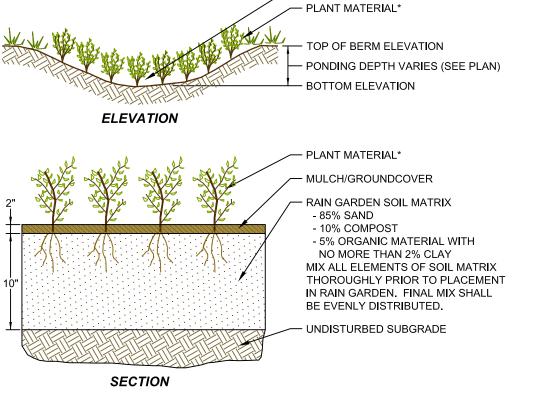
CONSTRUCTION ENTRANCE

(ANTI-TRACKING PAD)

2.) BALES TO BUTT TOGETHER AND SET IN A TRENCH 4" DEEP.

IN ACCORDANCE WITH SILT FENCE BARRIER DETAIL.

3.) SILT FENCE MAY BE SUBSTITUTED FOR HAY BALES AND ANCHORED



* RAIN GARDEN PLANT MATERIAL SHALL BE NATIVE TO THE STATE OF CT. PLANT LIST SHALL BE PROVIDED TO THE WETLANDS ENFORCEMENT OFFICER PRIOR TO INSTALLATION.

RAIN GARDEN

N.T.S.

. THE APPLICANT SHALL NOTIFY THE WETLAND ENFORCEMENT OFFICER IN WRITING PRIOR TO ANY CONSTRUCTION ACTIVITY. THE APPLICANT SHALL FURNISH ALL APPLICABLE PERMITS TO THE WEO PRIOR TO THE START OF THE PROPOSED BRIDGE CONSTRUCTION / INSTALLATION ACTIVITIES ON THE

2. FLAG THE LIMITS OF CONSTRUCTION. STAKE FOOTING LOCATIONS AND CONFIRM SEDIMENTATION 8 EROSION CONTROL MEASURES ARE PLACED PROPERLY TO PROVIDE BOTH ADEQUATE ROOM FOR SAFI CONSTRUCTION AND PROTECTION OF THE ADJACENT WETLANDS. A MINIMUM OF ONE ROW OF SILT FENCE, ONE ROW OF STAKED HAYBALES AND ONE ROW OF COIR WATTLES SHALL BE PLACED BETWEEN THE RIVER AND THE FOOTING EXCAVATION.

HOLD PRECONSTRUCTION MEETING (REMEMBER TO CALL BEFORE YOU DIG 1-800-922-4455).

I. REMOVE AND STOCKPILE TOPSOIL IN STOCKPILE AREAS TO EXPOSE EXISTING SUBGRADE MATERIAL. PROTECT MATERIALS FOR REPLACEMENT & RESTORATION USE AROUND COMPLETED BRIDGE.

i. EXCAVATE EXISTING SUBGRADE MATERIAL TO DEPTH AND EXTENT NECESSARY FOR PLACEMENT &COMPACTION OF 4" - 6" GRANULAR SUBFOOTING MATERIAL. EMPLOY TEMPORARY DEWATERING MEASURES AS/IF NECESSARY.

6. PLACE & COMPACT 4" - 6" GRANULAR SUBFOOTING MATERIAL TO 95% DENSITY

'. INSTALL / SET PRECAST CONCRETE BRIDGE FOOTING SECTIONS & CONFIRM ALL ELEVATIONS & LEVELS ARE WITHIN REQUIRED TOLERANCES.

8. PLACE INDIVIDUAL PRECAST BRIDGE ARCH SECTIONS ATOP FOOTING SECTIONS. INSTALL GALVANIZED STEEL MECHANICAL SECTION CONNECTION HARDWARE AND GROUT/SEAL BRIDGE ARCH

9. SET PRECAST CONCRETE HEADWALL SECTIONS AND ATTACH TO PREVIOUSLY SET PRECAST BRIDGE ARCH SECTIONS USING GALVANIZED STEEL MECHANICAL SECTION CONNECTION HARDWARE.

10. SET PRECAST CONCRETE WINGWALL AND SOIL ANCHOR SECTIONS AND ATTACH TO PREVIOUSLY SET PRECAST BRIDGE ARCH AND HEADWALL SECTIONS USING GALVANIZED STEEL MECHANICAL SECTION

11. CONFIRM ALL BRIDGE SECTION ELEVATIONS & LEVELS ARE WITHIN REQUIRED TOLERANCES. TORQUE ALL GALVANIZED STEEL MECHANICAL SECTION CONNECTION HARDWARE PER BRIDGE MANUFACTURER'S

12. INSTALL ANY AND ALL NECESSARY BITUMASTIC PRECAST CONCRETE JOINT SEALING MATERIAL AND REMOVE ALL TEMPORARY BRACING STEEL / CABLING, ETC..

13. PLACE CONCRETE FILL WITHIN PRECAST CONCRETE FOOTING CELL AREAS & ALLOW TO CURE TO

14. BEGIN PLACEMENT & COMPACTION OF BACKFILL MATERIAL. COORDINATE INSTALLATION OF ANY AND ALL UTILITY CONDUITS WITH PROJECT ELECTRICAL CONTRACTOR. COORDINATE WITH PROJECT MASONRY CONTRACTOR FOR SETTING OF ANY AND ALL STONE VENEER SUBGRADE SHELF BLOCKING

15. INSTALL STONE VENEERING / CAPSTONE MATERIAL, ETC. PER ARCHITECT'S / OWNER'S DIRECTION. INSTALL ADDITIONAL PEDESTRIAN RAILING.

16. FINALIZE PLACEMENT OF BACKFILL MATERIAL & COMPACT IN LIFTS TO ACHIEVE 95% DENSITY.

17. INSTALL DRIVEWAY PAVEMENT MATERIAL TO FINISHED GRADE PER PLANS & DETAILS

18. REMOVE AND DISPOSE OF ANY AND ALL REMAINING CONSTRUCTION DEBRIS, SOIL MATERIALS, ETC.

19. PLACE TOPSOIL FINE GRADE ADJACENT WING WALL AREAS. SEED AND TEMPORARILY STABILIZE AS NECESSARY PER LANDSCAPING NOTES & DETAILS.

20. NOTIFY THE WETLAND ENFORCEMENT OFFICER OF COMPLETED BRIDGE INSTALLATION / CONSTRUCTION FOR FINAL INSPECTION AND APPROVAL. ADDRESS ANY AND ALL QUESTIONS, COMMENTS AND/OR CONCERNS RESULTING FROM SAID INSPECTION. COORDINATE WITH PROJECT ENGINEER AS/IF NECESSARY.

SOIL EROSION AND SEDIMENTATION CONTROL PLAN

1.6.1 SOIL EROSION AND SEDIMENT CONTROL MEASURES

INSTALLED AND MAINTAINED TO PREVENT EROSION.

SURROUNDING THEM TO CONFINE THE MATERIAL AND POSSIBLE EROSION.

STABILIZED WITH BIODEGRADABLE MATTING OR APPROVED EQUAL

CONTRACTOR AND A REPRESENTATIVE FROM THE TOWN SHALL BE PRESENT.

CLEARING SHALL BE COMPLETED.

I.1 THIS PROJECT INVOLVES THE CONSTRUCTION OF A VEHICLE RECEIVING AREA, TWO RESIDENTIAL HOMES AND AN INGROUND POOL OTHER IMPROVEMENTS ALSO INCLUDED AS PART OF THIS PROJECT INCLUDE THE CONSTRUCTION OF MAIN AND INDIVIDUAL DRIVEWAYS, A PRECAST CONCRETE BRIDGE ACROSS SPRAIN BROOK, SUBSURFACE SEWAGE DISPOSAL SYSTEMS, WELLS, DRAINAGE SYSTEMS & OTHER RELATED SITE DEVELOPMENT APPURTENANCES, GRADING & LANDSCAPING.

THESE <mark>3.21</mark> DISTURBED ACRES, APPROXIMATELY <mark>1.68</mark> ACRES LIE WITHIN THE UPLAND REVIEW AREAS ON SITE.

1.5 ALL NECESSARY PERMITS SHALL BE ACQUIRED PRIOR TO THE START OF CONSTRUCTION.

I.2 THE AREA OF THE PROJECT SITE IS APPROXIMATELY 17.70 ACRES, OF WHICH ABOUT 3.21 ACRES ARE EXPECTED TO BE DISTURBED. OF

1.3 SPECIAL CARE SHOULD BE TAKEN ON THIS SITE TO ENSURE THAT THE CONSTRUCTION FENCE, SILT FENCE AND/OR HAY BALES ARE

1.4 THE PROPOSED WORK DESCRIBED IN PART 1.1 ABOVE ARE THE ONLY IMPROVEMENTS ASSOCIATED WITH THIS PROJECT AT THIS TIME.

a. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION, ANY NECESSARY SURVEYING TO MARK BOUNDARY LINES AND/OR LIMITS OF

IN FROSION CONTROL MEASURES, AS SHOWN ON THE PLAN, SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

SAID MEASURES ARE TO BE MAINTAINED UNTIL ALL SITE WORK IS COMPLETED AND ALL SEEDED AREAS HAVE ESTABLISHED GROWTH.

c. ANY MATERIAL STORAGE PILES OUTSIDE THE IMMEDIATE CONSTRUCTION AREA SHALL HAVE A SILT FENCE OR APPROVED EQUAL

d. THE DISTURBANCE OF LAND SHALL BE AS MINIMAL AS PRACTICABLE. RESTABILIZATION OF ALL AREAS SHALL OCCUR AS SOON AS

"2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL," AS AMENDED. IN THE EVENT THAT CONSTRUCTION

POSSIBLE. IF DISTURBED AREAS ARE EXPOSED FOR MORE THAN 30 DAYS, IT SHALL BE TEMPORARILY SEEDED PER SECTION 5-3 OF THE

OCCURS DURING TIMES WHEN SEEDING CAN NOT BE CARRIED OUT, ERODIBLE AREAS SHALL BE MULCHED WITH HAY OR HAVE NETTING

e. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE STANDARDS AND PRACTICES AS SET

f. ALL EROSION CONTROL MEASURES SHALL BE INSPECTED DAILY. IF THE MEASURES ARE DAMAGED, THEY SHALL BE REPAIRED AND/OR

g. IN ORDER TO PREVENT EROSION, EARTH SLOPES SHALL BE 2' (HORIZONTAL) TO 1' (VERTICAL) MAXIMUM. ALL 2'(H)/1'(V) SLOPES SHALL BE

h. IN ORDER TO CONTROL SEDIMENT, TEMPORARY BARRIERS, UTILIZING STAKED HAY BALES OR SILT FENCE SHALL BE INSTALLED AS

i. ANY REQUIRED CULVERTS OR DRAINAGE FACILITIES SHALL BE OF PROPER CONSTRUCTION SO AS TO PREVENT EROSION DURING AND

FORTH IN THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL." AS AMENDED.

) COPIES NOT BEARING THE EMBOSSED SEAL OF THE SURVEYOR OR ENGINEER SHALL BE RENDERED NULL AND VOID.) REVISIONS TO THESE PLANS BY ANYONE

OTHER THAN ARTHUR H. HOWLAND, PC SHALL MAKE THESE PLANS NULL AND VOID. ARTHUR H. HOWLAND, PC SHALL TAKE NO RESPONSIBILITY

FOR SAID REVISIONS.

1/22/0201 - Per Town IWWC comments

PROPERTY IS LOCATED WITHIN THE R-1 ZONE

DEED REFERENCE: V. 151 P. 275 WASHINGTON

DISTRICT.

ELEVATION DATUM IS ASSUMED.

REFER TO CONNECTICUT GENERAL STATUTES SEC. 8-13a REGARDING THE NONCONFORMING LOCATIONS OF BUILDINGS THAT HAVE EXISTED FOR MORE THAN THREE YEARS.

. ADDITIONAL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AFTER THE COMMENCEMENT OF CONSTRUCTION. THE

1.6.2 CONSTRUCTION NOTES AND SEQUENCE FOR CONSTRUCTION OF PROPOSED SINGLE FAMILY HOUSE, POOL, HORSE GROOMER

SHOWN ON THE PLAN. ANY TRAPPED SEDIMENT SHALL BE DISPOSED OF IN AN ENVIRONMENTALLY ACCEPTABLE MANNER.

I. THE APPLICANT SHALL NOTIFY THE WETLAND ENFORCEMENT OFFICER IN WRITING PRIOR TO ANY CONSTRUCTION ACTIVITY. THE APPLICANT SHALL FURNISH ALL APPLICABLE PERMITS TO THE WEO PRIOR TO THE START OF CONSTRUCTION ACTIVITIES ON THE PROJECT.

2. FLAG THE LIMITS OF CONSTRUCTION, DRIVEWAY BASELINE, AND TREE PROTECTION AREAS.

HOLD PRECONSTRUCTION MEETING (REMEMBER TO CALL BEFORE YOU DIG 1-800-922-4455).

4. HOLD TREE CUTTING MEETING PRIOR TO BEGINNING THE REMOVAL OF ANY AND ALL TREES OR OTHER VEGETATION INDICATED ON THE PLAN TO BE REMOVED.

5. INSTALL THE CONSTRUCTION ENTRANCE (1 DAY).

6. INSTALL EROSION CONTROLS AS DEPICTED ON PLAN (SILT FENCE, HAYBALES). IF DEEMED NECESSARY, ORANGE CONSTRUCTION FENCE SHALL BE INSTALLED AROUND LIMIT OF DISTURBANCE, ALL EROSION CONTROLS AND CONSTRUCTION FENCE SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PROCESS. THE CONTRACTOR SHALL BE IN CHARGE OF MAINTAINING THE EROSION CONTROLS. THE SITE CONTRACTOR'S CONTACT INFORMATION SHALL BE SUPPLIED TO THE TOWN LAND USE DEPARTMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF EROSION CONTROLS (1 WEEK).

6a. THE LAND USE OFFICE WILL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK SO THAT THE EO CAN INSPECT AND APPROVE THE INSTALLATION OF THE EROSION CONTROL MEASURES, EXPECTED MACHINERY TO BE USED SHALL INCLUDE: 330 EXCAVATOR, D4 BULLDOZER, TRI-AXLE ARTICULATED DUMP TRUCK, SKID-STEER, RUBBER TRACK MINI-EXCAVATOR, DN65 TRACTOR

7. CUT TREES WITHIN THE DEFINED CLEARING LIMITS AND REMOVE CUT WOOD. CHIP BRUSH AND SLASH, STOCKPILE CHIPS FOR FUTURE USE OR REMOVE OFF SITE. REMOVE INVASIVE PLANT SPECIES AS PROPOSED ON SITE PLAN. DISPOSE OF MATERIAL IN APPROPRIATE MANNER (2 WEEKS). INSPECT EROSION CONTROLS. ANY DAMAGED CONTROLS SHALL BE REPLACED.

8. EXCAVATE ALL STUMPS LOCATED IN THE STRUCTURAL AREAS AND REMOVE TO A DISPOSAL SITE OR STOCKPILE AREA TO BE CHIPPED. STUMPS IN NON-STRUCTURAL AREAS MAY BE GROUND IN PLACE OR CUT FLUSH WITH THE GROUND LEVEL AND LEFT IN PLACE IN ACCORDANCE WITH THE PLANS (1 WEEK).

REMOVE & DISPOSE OF EXISTING WOODEN FOOT BRIDGE, GAZEBO AND FLAG POLE INDICATED ON PLAN. PLACE ANY AND ALL DEBRIS INTO THE TEMPORARY CONSTRUCTION DUMPSTER(S) LOCATED ON THE PLAN. ANY AND ALL TRASH, CONSTRUCTION DEBRIS, RUBBISH, ETC. TO BE REMOVED FROM SITE AND DISPOSED OF PROPERLY PER ALL FEDERAL, STATE & LOCAL REQUIREMENTS.

10. STRIP ALL TOPSOIL WITHIN THE SLOPE LIMITS, STOCKPILE ALL TOPSOIL IN AN APPROVED AREA AND SECURE WITH EROSION AND SEDIMENT CONTROLS (1 WEEK).

I. MAKE ALL CUTS AND FILLS REQUIRED TO ACCESS ESTATE MANAGER & HORSE GROOMER HOUSE CONSTRUCTION AREAS. ESTABLISH THE SUBGRADE FOR THE TOPSOIL AREAS AND DRIVEWAY. BENCH THE PROPOSED HOUSE AREAS TO THEIR RESPECTIVE SUBGRADE ELEVATIONS. ALLOW A REASONABLE AMOUNT OF AREA AROUND THE FOOTPRINT OF THE HOUSES FOR THE CONSTRUCTION ACTIVITIES (3

12. BEGIN CONSTRUCTION OF HOUSES & POOL. INSTALL SEPTIC SYSTEMS AND WELLS. PERMANENTLY SEED SEPTIC AREA IMMEDIATELY AFTER INSTALLATION. WITHIN TWO WEEKS OF ROOF COMPLETION, GUTTERS SHALL BE INSTALLED SO THAT THE RUNOFF CAN BE APPROPRIATELY HANDLED PER THE PLAN. (10 MONTHS).

13. CONSTRUCT DRAINAGE (ALL STRUCTURES, SWALES, INFILTRATION AREAS, RAIN GARDENS AND WATER QUALITY REMEDIATION AREA) PER PLANS. INSTALL ALL UNDERGROUND UTILITIES TO WITHIN 5 FEET OF THE HOUSE AT THIS TIME (3 WEEKS).

14. CONSTRUCT RETAINING WALLS AS REQUIRED FOR POOL INSTALLATION. THE POOL IS TO BE SERVICED BY A CARTRIDGE FILTER WITH NO DISCHARGE. PREPARE SUB-BASE, SLOPES, DRIVEWAY, AND ANY OTHER DISTURBANCE FOR FINAL GRADING (2 WEEKS).

15. PREPARE FINAL SUBBASE FOR DRIVEWAY AND PARKING AREAS

16. INSTALL PROCESSED AGGREGATE IN DRIVEWAY AND PARKING AREAS (1 WEEK).

17. PLACE TOPSOIL WHERE REQUIRED. COMPLETE ANY PROPOSED PERIMETER LANDSCAPE PLANTINGS (1 WEEK).

18. FINE GRADE, RAKE, SEED, AND MULCH TO WITHIN 2 FEET OF DRIVEWAY (1 WEEK).

19. UPON SUBSTANTIAL COMPLETION OF THE HOUSE, COMPLETE THE BALANCE OF SITE WORK AND APPLY STABILIZATION MEASURES (I.E. TOPSOIL, SEEDING, SODDING, MULCHING, ETC.) TO DISTURBED AREAS. FOLLOW SECTION 5-3 OF THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL (1 WEEK).

20. INSPECT AND CLEAN DRAINAGE AS NEEDED (3 DAYS).

21. CLEAN UP ANY TRAPPED SEDIMENT AND PLACE IN AN AREA THAT WILL ALLOW IT TO BLEND INTO THE LANDSCAPE. REMOVE SES CONTROLS AT PROPER TIMES. (ONLY AFTER ALL CONSTRUCTION AREAS ARE STABILIZED.) (1 DAY)

22. AFTER DISTURBED AREAS ARE STABILIZED, REMOVE TEMPORARY PERIMETER EROSION CONTROLS (I.E. SILT FENCE, HAYBALES, ETC.) (3

23. REMOVE CONSTRUCTION ENTRANCE (1 DAY)

INSPECTION & MAINTENANCE SCHEDULE:

RAIN GARDEN, CATCH BASIN & GRASS-LINED DRAINAGE SWALE INSPECTIONS:
FIRST YEAR- INSPECT WEEKLY AND AFTER EVERY STORM OF 0.5" OR GREATER FOR THE FIRST YEAR AFTER FINAL STABILIZATION.

AFTER FIRST YEAR- INSPECT EVERY 3 MONTHS AND AFTER EVERY STORM OF 0.5" OR GREATER TO ENSURE PROPER FUNCTIONING. SEMI-ANNUAL - INSPECT FOR INVASIVE VEGETATION AND REMOVE WHERE POSSIBLE

ANNUAL - INSPECT FOR DAMAGE AND REPAIR AS REQUIRED. MONITOR FOR SEDIMENT ACCUMULATION. EXAMINE INFLOW SWALES ENSURE THAT THEY ARE FREE OF DEBRIS AND OPERATIONAL

RAIN GARDENS AS NEEDED- REPAIR UNDERCUT OR ERODED AREAS.

MONTHLY- CLEAN AND REMOVE DEBRIS. HIGH GRASS ALONG EDGE OF RAIN GARDEN WILL DISCOURAGE WATERFOWL FROM TAKING UP RESIDENCE AND SERVE TO FILTER POLLUTANTS.

EVERY 5 YEARS- REMOVE ACCUMULATED SEDIMENT AND DISPOSE OF IN AN ENVIRONMENTALLY ACCEPTABLE MANNER. IF IT IS DETERMINED THROUGH ANNUAL MONITORING THAT RAIN GARDEN IS REQUIRED TO BE MAINTAINED MORE OR LESS FREQUENTLY, PROVIDE MAINTENANCE AS NEEDED

QUARTERLY - INSPECT AND REMOVE ANY DEBRIS ANNUAL - INSPECT AND CLEAN CATCH BASINS. SEDIMENT SHALL BE REMOVED FROM THE SUMP AND ANY TRASH OR DEBRIS SHALL BE REMOVED FROM THE GRATE. DISPOSE OF SEDIMENT AND DEBRIS IN AN ENVIRONMENTALLY ACCEPTABLE MANNER.

3-4 TIMES PER YEAR - REMOVE SEDIMENT & DEBRIS. RESEED AS NECESSARY.

Proposed Sedimentation & **Erosion Control**

SURVEYORS PLANNERS

Record Owners

Details

Edward J. Bramson

TFCPS, LLC & Brian E. Rafferty Esq. **Dentons US, LLC**

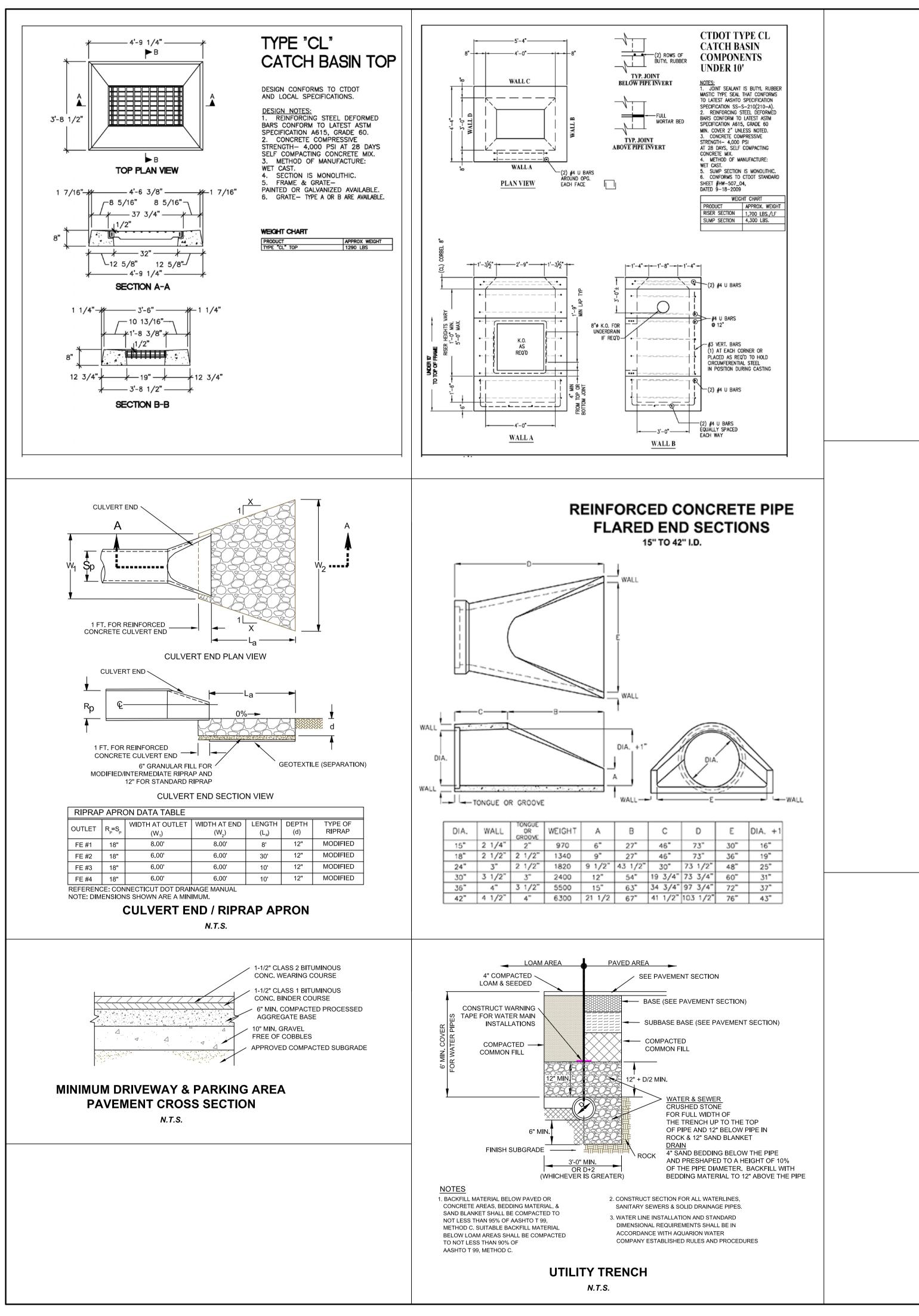
270, 270A, 280 & 284

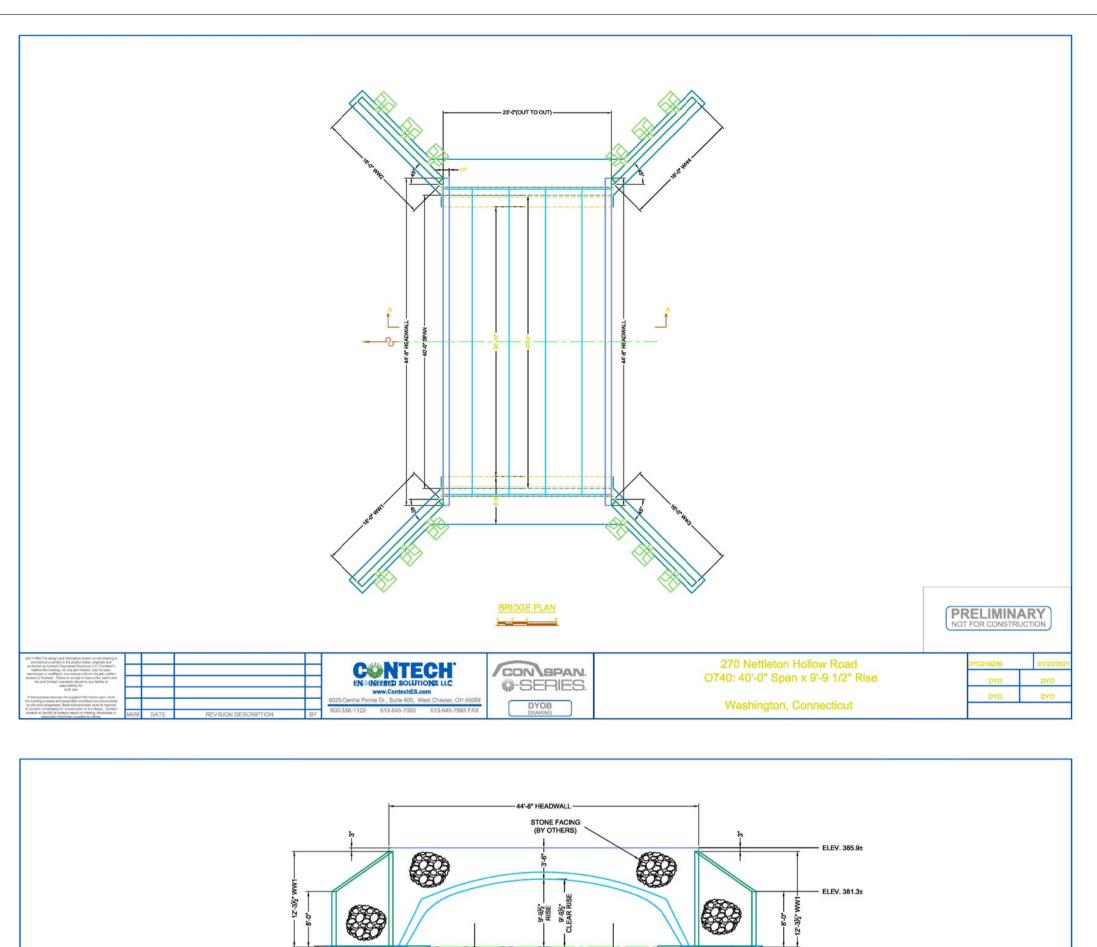
Nettleton Hollow Road

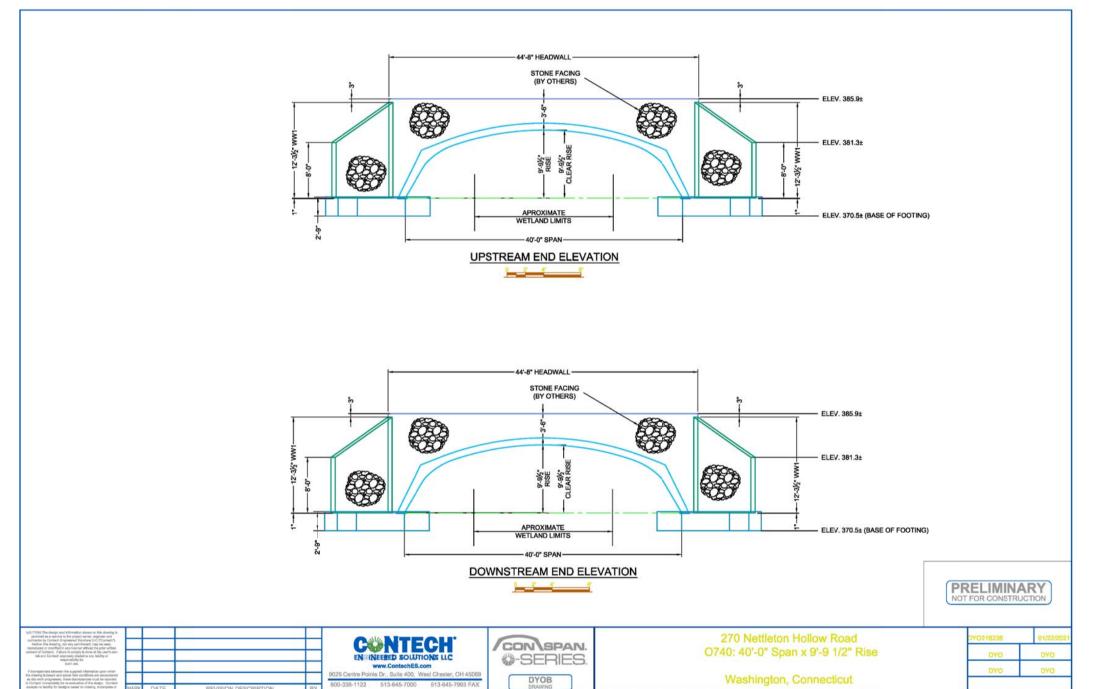
Town of Washington County of Litchfield State of Connecticut

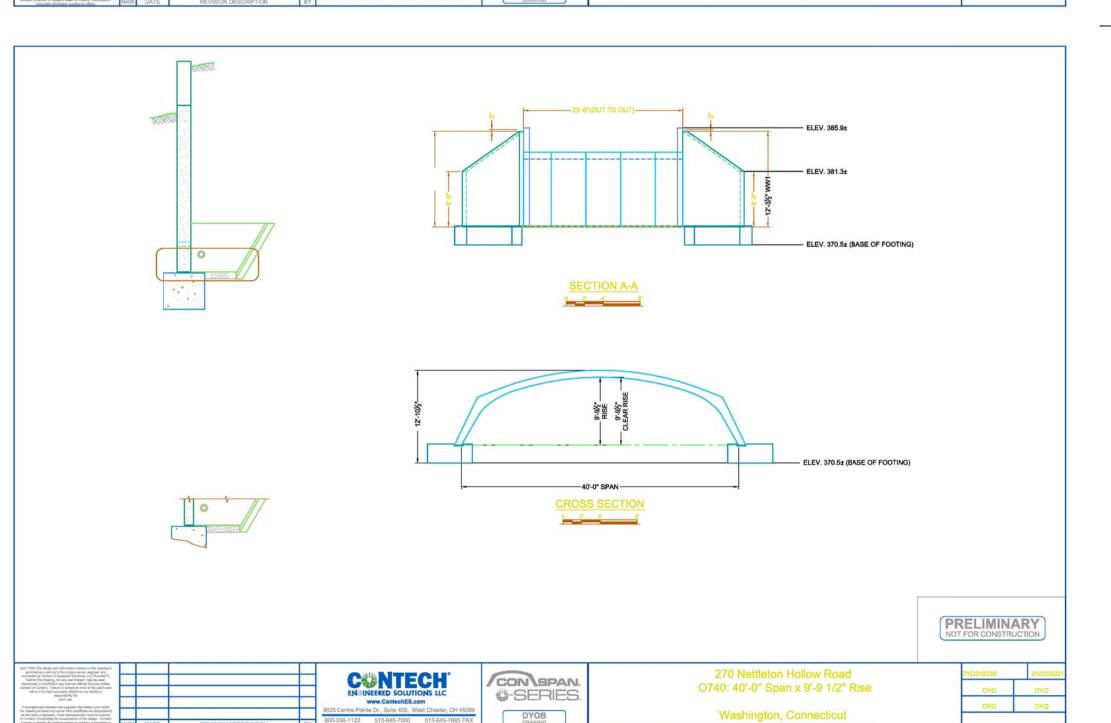
December 1, 2020

STAKED HAYBALES











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2) REVISIONS TO THESE PLANS BY ANYONE

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HOWLAND, PC SHALL TAKE NO RESPONSIBILITY

REVISIONS:
- 01/22/0201 - Per Town IWWC comments

RENDERED NULL AND VOID.

FOR SAID REVISIONS.

Detail Sheet

Record Owners

Edward J. Bramson

and
TFCPS, LLC &
Brian E. Rafferty Esq.
Dentons US, LLC

270, 270A, 280 & 284 Nettleton Hollow Road

Town of Washington County of Litchfield State of Connecticut

December 1, 2020

SCALE: N.T.S.

INCHES ON ORIGINAL

SHEET:

D.1