



MAPLE COVERS ROAD

MAPLE CROVERS ROAD

MILITARY HIGHWAY

HIGHWAY

THIS PLAN TO BE UTILIZED FOR SITE SOIL AND EROSION CONTROL PURPOSES ONLY

REFER TO SOIL EROSION CONTROL NOTES & DETAIL SHEET FOR EROSION NOTES AND DETAILS



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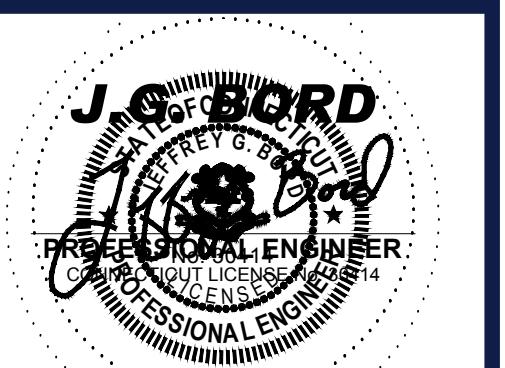
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PROPOSED SITE PLAN DOCUMENTS

— FOR —

**PROPOSED
RESIDENTIAL DEVELOPMENT
19, 29 & 39 MILITARY HIGHWAY,
GALES FERRY,
LEDYARD,
NEW LONDON COUNTY,
CONNECTICUT**



HEET TITLE:

**SOIL EROSION
& SEDIMENT
CONTROL PLAN
PHASE 1**

HEET NUMBER:

REVISION 1 - 05/20/2025

REVISION 1 - 05/20/2025

REVISION 1 - 05/20/2025



MAPLE COUNTRY ROAD



BOHLEER

SITE CIVIL AND CONSULTING ENGINEERING
LAND SURVEYING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SUSTAINABLE DESIGN
PERMITTING SERVICES
TRANSPORTATION SERVICES

REVISION

DATE	COMMENT	DRAWN BY
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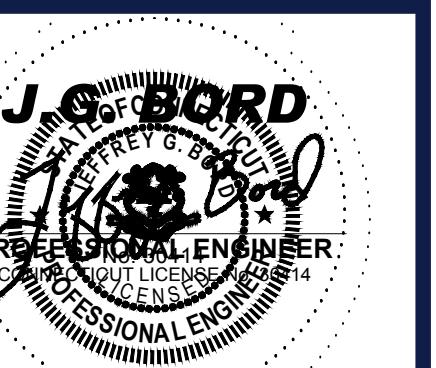
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BY: CR/TJN/KMB
D BY: JGB
02/19/2025
CTA220061.00-EROS-6A

PROPOSED SITE PLAN DOCUMENTS

FOR

C.R. KLEWIN
LLC

**PROPOSED
SIDENTIAL DEVELOPMENT
29 & 39 MILITARY HIGHWAY,
GALES FERRY,
LEDYARD,
NEW LONDON COUNTY,
CONNECTICUT**



TITLE:
DIL EROSION
SEDIMENT
CONTROL PLAN
PHASE 2

NUMBER: **1234567890**

C-602

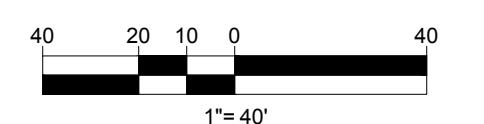
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REVISION 1 - 05/20/2025

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**THIS PLAN TO BE UTILIZED FOR SITE
SOIL AND EROSION CONTROL
PURPOSES ONLY**

**REFER TO SOIL EROSION CONTROL
NOTES & DETAIL SHEET FOR
EROSION NOTES AND DETAILS**



REVISION 1 - 05/20/2025

EROSION AND SEDIMENT CONTROL NOTES

- ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE DONE AS SET FORTH IN THE MOST CURRENT STATE SEDIMENT AND EROSION CONTROL MANUAL.
- THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE LEFT IN AN UNTRATED OR UNVEGETATED CONDITION FOR A MINIMUM TIME. AREAS SHALL BE PERMANENTLY STABILIZED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- SEDIMENT BARRIERS (SILT FENCE, STRAW BARRIERS, ETC.) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 8%.
- INSTALL SILTATION BARRIER AT TOE OF SLOPE TO FILTER SILT FROM RUNOFF. SEE SILTATION BARRIER DETAILS FOR PROPER INSTALLATION. SILTATION BARRIER WILL REMAIN IN PLACE PER NOTE 5.
- ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT OR WHEN NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION OR DECOMPOSITION. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT, THEY MUST REMOVE WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. FOR SEDIMENT CONTROL DEVICES THAT ARE NOT SUBJECT TO CONSERVATION COMMISSION JURISDICTION, THE DEVICES SHALL REMAIN IN PLACE AND BE REMOVED IN ACCORDANCE WITH THE ORDER OF CONDITIONS.
- NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN TWO TO ONE (2:1) UNLESS OTHERWISE INDICATED ON THE PLANS. SLOPE PROTECTION FOR SLOPES GREATER THAN 2:1 SHALL BE DESIGNED BY A GEOTECHNICAL ENGINEER.
- IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST, USE TEMPORARY MULCH (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.
- TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINAL GRADED SHALL BE COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST TO PROTECT FROM SPRING RUNOFF PROBLEMS.
- DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL STANDARDS.
- REVEGETATION MEASURES WILL COMMENCE UPON COMPLETION OF CONSTRUCTION EXCEPT AS NOTED ABOVE. ALL DISTURBED AREAS NOT OTHERWISE STABILIZED WILL BE GRADED, SMOOTHED, AND PREPARED FOR FINAL SEEDING AS FOLLOWS:

 - SIX INCHES, OR DEPTH SPECIFIED ON THE LANDSCAPE PLAN, OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE.
 - APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 800 LB PER ACRE OR 18.4 LBS PER 1,000 SF USING 10-20-0 OR EQUIVALENT. APPLY GROUND LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE (138 LB PER 1,000 SF).
 - FOLLOWING SEED BED PREPARATION, DITCHES AND BACK SLOPES WILL BE SEED TO A MIXTURE OF 47% CREEPING RED FESCUE, 5% REDTOP, AND 48% TALL FESCUE. THE LAWN AREAS WILL BE SEED TO A PREMIUM TURF MIXTURE OF 44% KENTUCKY BLUE-GRASS, 44% CREEPING RED FESCUE, AND 12% PERENNIAL RYEGRASS. SEEDING RATE IS 1.03 LBS PER 1,000 SF OF LAWN. QUALITY SOD MAY BE SUBSTITUTED FOR SEED WHERE SLOPES DO NOT EXCEED 2:1, SOD ON SLOPES STEEPER THAN 3:1 SHOULD BE PEGGED.
 - STRAW MULCH AT THE RATE OF 70-90 LBS PER 1,000 SF. A HYDRO-APPLICATION OF WOOD OR PAPER FIBER SHALL BE APPLIED FOLLOWING SEEDING. A SUITABLE NON-TOXIC BINDER WILL BE USED ON STRAW MULCH FOR WIND CONTROL.

ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE IS 70% PERMANENTLY STABILIZED. FOR EROSION CONTROL MEASURES THAT ARE WITHIN AREAS SUBJECT TO CONSERVATION COMMISSION JURISDICTION, THE MEASURES SHALL REMAIN IN PLACE AND BE REMOVED IN ACCORDANCE WITH THE ORDER OF CONDITIONS. APPROVAL FROM STAFF REQUIRED PRIOR TO REMOVAL OF EROSION AND SEDIMENTATION CONTROL MEASURES.

WETLANDS WILL BE PROTECTED WITH BARRIERS CONSISTING OF STRAW BALES, BIODEGRADABLE COMPOST TUBES, SILT FENCE OR A COMBINATION THEREOF.

TEMPORARY SEDIMENT TRAPS SHALL BE SIZED PER THE CURRENT EDITION OF THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" AND PROVIDE A MINIMUM STORAGE AREA OF 1.24 CH PER ACRE OF DRAINAGE AREA WITH A MAXIMUM TRIBUTARY AREA OF 5 ACRES, MAINTAIN A 2:1 LENGTH TO WIDTH RATIO, AND NOT EXCEED AN EMBANKMENT HEIGHT OF 5 FT. HALF OF THE STORAGE VOLUME SHALL BE IN THE FORM OF WET STORAGE TO PROVIDE A STABLE SETTING MEDIUM. UPON SITE STABILIZATION, ACCUMULATED SEDIMENT SHALL BE REMOVED AND THE TEMPORARY SEDIMENT TRAP EXCAVATED TO 1 FOOT BELOW THE TRAP. THE AREA SHALL THEN BE SCARIFIED TO PREVENT COMPACTION AND PROMOTE INFILTRATION AND GRADED AND STABILIZED IN ACCORDANCE WITH THE GRADING AND LANDSCAPE PLANS.

STOCKPILES THAT ARE NOT TO BE USED WITHIN 30 DAYS SHALL BE SEDED AND MULCHED IMMEDIATELY AFTER FORMATION OF THE STOCKPILE.

EXISTING CATCH BASIN STRUCTURES SHALL BE PROTECTED UNTIL SUCH TIME AS THEY ARE REMOVED.

THE CONTRACTOR MUST PERFORM Dewatering (if required), in accordance with state and local regulations. It is the contractor's responsibility to obtain and pay for the costs associated with any and all necessary discharge permits associated with same.

THE CONTRACTOR MUST LOCATE CONSTRUCTION WASTE MATERIAL STORAGE AREAS TO MINIMIZE EXPOSURE TO STORMWATER. THE CONTRACTOR MUST IMMEDIATELY PLACE CONSTRUCTION WASTE IN ON-SITE STORAGE CONTAINERS UNTIL THAT CONSTRUCTION WASTE IS READY FOR OFF-SITE DISPOSAL. THE CONTRACTOR MUST MAINTAIN SPILL PREVENTION AND RESPONSE EQUIPMENT AND MAKE SAME CONTINUOUSLY AVAILABLE ON-SITE FOR USE BY THE CONTRACTOR'S EMPLOYEES WHO MUST BE PROPERLY TRAINED IN THE APPLICATION OF SPILL PREVENTION AND RESPONSE PROCEDURES.

WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THROUGH APRIL 15.

WINTER EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT THE AMOUNT OF AREA OPEN AT ONE TIME IS MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE AND IN CONFORMANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN SUCH THAT ADEQUATE PROVISIONS ARE EMPLOYED TO CONTROL STORMWATER RUNOFF.

CONTINUATION OF EARTHWORK OPERATION ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED SUCH THAT NO LARGER AREA OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION AS LISTED IN ITEM 2 ABOVE.

AN AREA SHALL BE CONSIDERED TO HAVE BEEN TEMPORARILY STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR STRAW AT A RATE OF 100 LB. PER 1,000 SQUARE FEET (WITH OR WITHOUT SEEDING) OR DORMANT SEED, MULCHED AND ADEQUATELY ANCHORED BY AN APPROVED ANCHORING TECHNIQUE.

FOR AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR A PERIOD EXCEEDING 14 DAYS BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 1ST, LOAM OR SEED WILL NOT BE REQUIRED. THE SLOPES SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDED. IF THE EXPOSED AREA HAS BEEN LOAMED, FINAL GRADED AND IS SMOOTH, THEN THE AREA MAY BE DORMANT SEDED AT A RATE OF 200-300% HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED AS APPLICABLE. SLOPES SHALL NOT BE LEFT UNSTABILIZED OVER THE WINTER OR IN AREAS WHERE WORK HAS CEASED FOR MORE THAN 14 DAYS UNLESS TREATED IN THE ABOVE MANNER. UNTIL SUCH TIME AS WEATHER CONDITIONS ALLOW DITCHES TO BE FINISHED WITH THE PERMANENT SURFACE TREATMENT, EROSION SHALL BE CONTROLLED BY THE INSTALLATION OF SEDIMENT BARRIERS OR STONE CHECK DAMS IN ACCORDANCE WITH THE STANDARD DETAILS.

MULCHING REQUIREMENTS:

- BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 15TH ALL MULCH SHALL BE ANCHORED BY EITHER PEG LINE, MULCH NETTING OR WOOD CELLULOSE FIBER.
- MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPE EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8%.
- MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15%. AFTER OCTOBER 1ST THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.

ALL DISTURBED AREAS SHALL BE STABILIZED IN ACCORDANCE WITH THE STORMWATER PREVENTION PLAN.

DURING THE WINTER CONSTRUCTION PERIOD ALL SNOW SHALL BE REMOVED FROM AREAS OF SEEDING AND MULCHING PRIOR TO PLACEMENT.

GENERAL EROSION AND SEDIMENT CONTROL NOTES

- THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS. THE GENERAL NOTES ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO THEM AND FULLY COMPLY WITH THESE NOTES IN THEIR ENTIRETY. THE CONTRACTOR MUST BE FAMILIAR WITH AND ACKNOWLEDGE FAMILIARITY WITH ALL OF THE GENERAL NOTES AND ALL OF THE PLANS' SPECIFIC NOTES.
- EROSION CONTROL MEASURES MUST CONFORM TO THE STATE, LOCAL, AND FEDERAL GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL UNLESS OTHERWISE NOTED, OR UNLESS THE PROFESSIONAL OF RECORD CLEARLY AND SPECIFICALLY, IN WRITING, DIRECTS OTHERWISE. INSTALLATION OF EROSION CONTROL, CLEARING, AND SITE WORK MUST BE PERFORMED EXACTLY AS INDICATED IN THE EROSION CONTROL CONSTRUCTION NOTES.
- THE DISTURBED LAND AREA OF THIS SITE IS APPROXIMATELY 10.87 ACRES.
- THE FOLLOWING EROSION CONTROL MEASURES ARE PROPOSED FOR THIS SITE:

 - STABILIZED CONSTRUCTION ENTRANCE/ EXIT - A TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT IS TO BE INSTALLED AT THE DESIGNATED LOCATION SHOWN ON THE PLAN. THIS AREA MUST BE GRADED SO THAT RUNOFF WATER WILL BE RETAINED ON-SITE.
 - SEDIMENT FENCE - INSTALL SILT FENCE(S) AND/OR SILT SOCK AROUND ALL OF THE DOWNSLOPE PERIMETERS OF THE SITE, TEMPORARY FILL AND SOIL STOCKPILES.
 - INSTALL FILTER FABRIC DROP INLET PROTECTION AROUND EACH DRAINAGE INLET AS DRAINAGE STRUCTURES ARE INSTALLED TO REDUCE THE QUANTITY OF SEDIMENT. INSTALL TEMPORARY INLET PROTECTION ON INLETS DOWNSLOPE FROM DISTURBANCE, WHICH MAY BE BEYOND THE LIMITS OF DISTURBED AREA.
 - INSTALLATION OF EROSION CONTROL DEVICES MUST BE IN ACCORDANCE WITH ALL OF THE MANUFACTURER'S RECOMMENDATIONS.
 - THE CONTRACTOR MUST INSPECT EROSION CONTROL MEASURES WEEKLY. THE CONTRACTOR MUST REMOVE ANY SILT DEPOSITS GREATER THAN 6 INCHES OR HALF THE EROSION CONTROL BARRIER'S HEIGHT COLLECTED ON THE FILTER FABRIC AND/OR SILT SOCK BARRIERS AND EXCAVATE AND REMOVE ANY SILT FROM DROP INLET PROTECTION.
 - THE CONTRACTOR MUST STABILIZE TEMPORARY SEED AND MULCH TO ALL DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINISHED GRADE AND VEGETATED WITHIN 7 DAYS. WHEN AREAS ARE DISTURBED AFTER THE GROWING SEASON, THE CONTRACTOR MUST STABILIZE SAME WITH GEOTEXTILE FABRIC AND MAINTAIN SAME IN STRICT ACCORDANCE WITH BEST MANAGEMENT PRACTICES.
 - THE CONTRACTOR MUST INSTALL ADDITIONAL EROSION CONTROL MEASURES IF THE PROFESSIONAL OF RECORD SO REQUIRES, TO PREVENT ANY, INCLUDING THE INCIDENTAL, DISCHARGE OF SILT-LADEN RUNOFF FROM EXITING THE SITE.
 - THE CONTRACTOR MUST BE RESPONSIBLE FOR INSPECTING AND MAINTAINING ALL EROSION CONTROL MEASURES ON THE SITE UNTIL PERMANENT PAVING AND TURF/LANDSCAPING IS ESTABLISHED. THE COSTS OF INSTALLATION AND MAINTAINING THE EROSION CONTROL MEASURES MUST BE INCLUDED IN THE BID PRICE FOR THE SITE WORK AND THE CONTRACTOR IS RESPONSIBLE FOR ALL SUCH COSTS.

THE CONTRACTOR MUST CONTINUE TO MAINTAIN ALL EROSION CONTROL MEASURES UNTIL THE COMPLETION OF CONSTRUCTION AND THE ESTABLISHMENT OF VEGETATION.

THE CONTRACTOR MUST REMOVE EROSION CONTROL MEASURES, SILT AND DEBRIS AFTER ESTABLISHING PERMANENT VEGETATION COVER OR OTHER INSTALLING A DIFFERENT, SPECIFIED METHOD OF STABILIZATION.

THIS PLAN REPRESENTS THE MINIMUM LEVEL OF IMPLEMENTATION OF TEMPORARY EROSION AND SEDIMENTATION CONTROL FACILITIES, MEASURES, AND STRUCTURES. ADDITIONAL FACILITIES, MEASURES AND STRUCTURES MUST BE INSTALLED WHERE NECESSARY TO COMPLY WITH ALL APPLICABLE CODES AND STANDARDS AND/OR TO PREVENT ANY, INCLUDING THE INCIDENTAL DISCHARGE OF SILT-LADEN RUNOFF FROM EXITING THE SITE.

THE CONTRACTOR MUST PROTECT ALL EXISTING TREES AND SHRUBS. THE CONTRACTOR MUST REFER TO THE LANDSCAPE AND/OR DEMOLITION PLANS FOR TREE PROTECTION, FENCE LOCATIONS AND DETAILS.

THE CONTRACTOR MUST REFER TO GRADING PLANS FOR ADDITIONAL INFORMATION.

THE CONTRACTOR MUST CLEAN EXISTING AND PROPOSED DRAINAGE STRUCTURES AND INTERCONNECTING PIPES ON OR OFF-SITE AS THE JURISDICTIONAL AGENCY REQUIRES, BOTH AT THE TIME OF SITE STABILIZATION AND AT END OF PROJECT.

SOURCES OF EROSION AND SEDIMENTATION MUST BE IDENTIFIED OR LOCATED BY THE CONTRACTOR AS IDENTIFIED DURING SITE OBSERVATION IN ORDER TO MAINTAIN THE COMPLETE EFFECTIVENESS OF ALL CONTROL MEASURES.

THE CONTRACTOR MUST IDENTIFY, ON THE PLAN, THE LOCATION OF WASTE CONTAINERS, FUEL STORAGE TANKS, CONCRETE WASHOUT AREAS AND ANY OTHER LOCATIONS WHERE HAZARDOUS MATERIALS ARE STORED.

OPERATION AND MAINTENANCE

- MAINTENANCE REQUIREMENTS OF MEASURES DURING CONSTRUCTION OF PROJECT
- THE SPECIFIC EROSION AND SEDIMENTATION CONTROL MEASURES, WHICH INCLUDE A BARRIER OF TRENCHED SILTATION FENCE, STAKED HAY BALES, AND INLET PROTECTION WILL, THROUGHOUT ALL PHASES OF CONSTRUCTION, SHALL BE INSPECTED (IN ADDITION TO THE INTERVALS EXPLAINED ABOVE) AT THE END OF EACH WORKDAY IF PRECIPITATION IS FORECAST AND AFTER EACH RAINFALL. AT THE END OF EACH WORKWEEK, PRIOR TO WEEKENDS, ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED.
- THROUGHOUT THE CONSTRUCTION PROCESS, EXTRA STOCKS OF HAY BALES AND SILTATION FENCING WILL BE KEPT ON-SITE TO REPLACE THOSE THAT BECOME DAMAGED AND/OR DETERIORATED.
- AREAS, WHICH ARE MULCHED OR SEDED FOR TEMPORARY VEGETATIVE COVER, WILL BE INSPECTED FOR PROPER COVER AT THE END OF EACH WORKDAY IF PRECIPITATION IS FORECAST AND ALSO PRIOR TO WEEKENDS. CONTRACTOR SHALL KEEP PAVING CLEAR AT ALL TIMES. ADDITIONAL SEEDING OR MULCH WILL BE PLACED AS NECESSARY.
- TEMPORARY EROSION AND SEDIMENT CONTROL SYSTEMS WILL NOT BE REMOVED UNTIL ALL STORMWATER DRAINAGE SYSTEM COMPONENTS ARE IN PLACE, CLEANED AND WORKING PROPERLY AND UNTIL PERMANENT VEGETATIVE COVER AND OTHER STABILIZATION MEASURES ARE ESTABLISHED.
- MAINTENANCE REQUIREMENTS OF PERMANENT MEASURES AFTER PROJECT COMPLETION
- POTENTIAL LONG-TERM EROSION AND SEDIMENTATION IMPACTS WILL BE CONTROLLED BY THE USE OF THE BMP'S ON-SITE. THE STORMWATER MANAGEMENT SYSTEM WAS DESIGNED TO CONTROL THE PEAK RATE OF RUNOFF AND THE OUTLETS OF THE STORMWATER COLLECTION SYSTEMS HAVE BEEN DESIGNED TO DISSIPATE AND DISPERSE THE RUNOFF AND PREVENT SCOURING OF THE RECEIVING AREA.
- OPERATION AND MAINTENANCE PLAN:
- ALL STORMWATER COMPONENTS SHOULD BE CHECKED PERIODICALLY IN A MAINTENANCE LOG AND KEPT IN FULL WORKING ORDER. ULTIMATELY, THE REQUIRED FREQUENCY OF INSPECTION AND SERVICE WILL DEPEND ON RUNOFF QUANTITIES, POLLUTANT LOADING, AND CLOGGING DUE TO DEBRIS. AT A MINIMUM, WE RECOMMEND THAT ALL STORMWATER COMPONENTS BE INSPECTED AND SERVICED TWICE PER YEAR, PRIOR TO BEFORE WINTER BEGINS AND ONCE DURING SPRING CLEANUP.
- SWEEPING WILL BE COMPLETED AT LEAST SEMIANNUALLY (ONCE IN THE SPRING AND ONCE IN THE FALL), OR MORE FREQUENTLY IF ACCUMULATED PARTICULATE MATTER IS OBSERVED.
- CATCH BASIN SWIMS WILL BE INSPECTED SEMIANNUALLY AND CLEANED WHEN SEDIMENT IS WITHIN 12 INCHES OF THE OUTLET INVERT OR HALF THE SUMP DEPTH.
- MANHOLES/JUNCTION BOXES SHALL BE INSPECTED AND REPAIRED ON AN ANNUAL BASIS.
- DRAINAGE PIPING UNLESS SYSTEM PERFORMANCE INDICATES DEGRADATION OF PIPING, COMPREHENSIVE VIDEO INSPECTION OF STORM DRAINAGE PIPING SHOULD OCCUR EVERY 10 YEARS.
- CONTROL STRUCTURES (DIFICE, WEIR, ETC.) SHALL BE COMPLETELY CLEANED OF ACCUMULATED DEBRIS AND SEDIMENTS AT THE COMPLETION OF CONSTRUCTION. ANY REPAIRS SHALL BE PERFORMED FOR THE FIRST YEAR, CONTROL STRUCTURES SHALL BE INSPECTED ON A QUARTERLY BASIS, THEN TWICE PER YEAR AFTER THE SECOND YEAR. ANY EROSION SHALL BE REPAIRED, AND THE CAUSE OF EROSION SHALL BE IDENTIFIED AND CORRECTED.
- DEWATERING BAGS SHALL BE INSPECTED CONTINUOUSLY DURING USE. CARE SHOULD BE TAKEN TO PROPERLY MONITOR PERFORMANCE TO ENSURE THAT PUMP RATES OR CONCENTRATIONS OF SEDIMENT ARE NOT EXCESSIVE. ONCE THE SEDIMENT TANK OR SEDIMENT BAGS HAVE REACHED THEIR MAXIMUM CAPACITY TO RETAIN SEDIMENTS, THESE UNITS SHALL TAKE DOWNLINE AND ANY RETAINED SEDIMENTS SHALL BE DISPOSED OF PROPERLY.
- INFILTRATION BASINS REQUIRE PREVENTATIVE MAINTENANCE AFTER EVERY MAJOR STORM EVENT DURING THE FIRST THREE (3) MONTHS OF OPERATION AND AT LEAST TWICE PER YEAR THEREAFTER. INSPECT STRUCTURE AND PRETREATMENT BMP TO ENSURE PROPER OPERATION AFTER EVERY MAJOR STORM EVENT. GENERAL EQUAL OR GREATER TO 3.0 INCHES IN 24 HOURS) FOR THE FIRST THREE MONTHS. THE OUTLET OF THE BASIN, IF ANY, SHOULD BE INSPECTED FOR DEBRIS OR BLOCKAGE TO ENSURE THAT THE DRAINAGE IS NOT OBSTRUCTED. MOVE ANY DEBRIS FROM THE AREA AROUND THE BASIN AND BAG BOTTOM IF GRADED FLOOR, RAKE IT STONE OR SAND BOTTOM, REMOVE TRASH AND DEBRIS, REMOVE GRASS CLippings AND ACCUMULATED ORGANIC MATTER. ANY SEDIMENT REMOVED SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, FEDERAL, AND OTHER APPLICABLE REQUIREMENTS.
- RAIN GARDEN SHALL BE INSPECTED AND CLEARED OF TRASHED MONTHLY; MOVED 2 TO 12 TIMES PER YEAR; MULCHED ANNUALLY; FERTILIZED ANNUALLY; DEAD VEGETATION REMOVED ANNUALLY; PRUNED ANNUALLY; REPLACE ENTIRE MEDIA AND ALL VEGETATION AS NEEDED. ANY SEDIMENT REMOVED SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, FEDERAL, AND OTHER APPLICABLE REQUIREMENTS.

- RELOCATION OF STABILIZED CONSTRUCTION ENTRANCE (SEE SHEET C-602)
- DEMOLITION OF EXISTING SITE STRUCTURES (SEE DEMOLITION PLAN)
- DEMOLITION OF EXISTING SITE PAVEMENT AND AMENITIES (SEE DEMOLITION PLAN)
- CLEARING AND GRUBBING IN AREAS DESIGNATED AS BEING REMOVED AS NECESSARY TO INSTALL TEMPORARY SWALES AND SEDIMENT TRAPS. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL DISTURBED AREA THAT IS LEFT NOT STABILIZED AT ANY TIME. (SEE SHEET C-602)
- INSTALLATION OF TEMPORARY SWALES AND SEDIMENT BASINS (SEE SHEET C-602)
- DEWATERING NEEDS ARE EXPECTED ON SITE. INSTALLATION OF DEWATERING BAGS PER PLAN (SEE SHEET C-601). THE USE OF THESE DEWATERING MEASURES IS DEPENDENT UPON SPECIFIC SITE CONDITIONS. IT SHOULD BE RECOGNIZED THAT ANY DEWATERING MEASURES THAT ARE NOT LISTED IN THE PLAN MAY BE REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THESE SITE CONDITIONS OR ALTERNATE METHODS AVAILABLE TO THE CONTRACTOR.
- INITIATE THE NECESSARY EARTHWORK TO REACH GRADES INDICATED ON THE PLANS. TEMPORARILY STABILIZE ANY AREAS WITH SEEDING OR MULCH AS DETAILED IN THESE PLANS WITHIN 7 DAYS AFTER THE SUSPENSION OF GRADED WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THESE GRADED AREAS UNTIL THE SUSPENSION OF WORK IS EXPECTED TO BE MORE THAN 30 DAYS BUT LESS THAN 1 YEAR.
- STABILIZE PERMANENT LAWN AREAS AND SLOPES WITH SC150 BN EROSION CONTROL BLANKET ON SLOPES OF 3:1 OR GREATER AND TEMPORARY SEEDING (SEE SHEET C-601)
- INSTALLATION OF UTILITIES BUT NOT LIMITED TO STORMWATER (SEE SHEET C-402)
- INSTALLATION OF INLET PROTECTION ON SITE UTILITIES (SEE SHEET C-601)
- CONSTRUCTION OF ALL CURBING AND LANDSCAPE ISLANDS AS INDICATED ON THE PLANS
- SPREAD TOPSOIL ON SLOPED AREAS AND SEED AND MULCH
- FINAL GRADING OF ALL SLOPED AREAS
- PLACE 6" TOPSOIL ON SLOPES AFTER FINAL GRADING COMPLETED. FERTILIZE, SEED, AND MULCH AS NEEDED
- RELOCATION OF TEMPORARY SEDIMENT TRAPS IN ACCORDANCE WITH THE 2024 EROSION AND SEDIMENT CONTROL GUIDELINES. THE TEMPORARY SEDIMENT TRAP MUST BE MODIFIED TO PREPARE IT FOR LONG-TERM USE INCLUDING, AT A MINIMUM, REMOVAL OF ANY ACCUMULATED SEDIMENT. RESTORATION OF THE PREVIOUS EROSION AND SEDIMENT CONTROL TRAPS, THE PREVIOUS EROSION AND SEDIMENT CONTROL TRAPS, AND OTHER STRUCTURAL MODIFICATIONS IN ACCORDANCE WITH THE BMP-SPECIFIC DESIGN GUIDANCE IN THE CONNECTICUT STORMWATER QUALITY MANUAL, AS AMENDED.

- PAVE PARKING LOT
- LANDSCAPING PER LANDSCAPING PLAN
- CLEAR SITE OF DEBRIS IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.
- REMOVE EROSION CONTROLS AS DISTURBED AREAS BECOME STABILIZED TO 70% STABILIZATION OR GREATER, AND ONCE THE SITE HAS BEEN INSPECTED BY THE TOWN OF LEDYARD STAFF.
- PHASE 2: ANTICIPATED DURATION - 12 TO 18 MONTHS
- RELOCATION OF STABILIZED CONSTRUCTION ENTRANCE (SEE SHEET C-602)
- DEMOLITION OF EXISTING SITE STRUCTURES (SEE DEMOLITION PLAN)
- DEMOLITION OF EXISTING SITE PAVEMENT AND AMENITIES (SEE DEMOLITION PLAN)
- CLEARING AND GRUBBING IN AREAS DESIGNATED AS BEING REMOVED AS NECESSARY TO INSTALL TEMPORARY SWALES AND SEDIMENT TRAPS. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL DISTURBED AREA THAT IS LEFT NOT STABILIZED AT ANY TIME. (SEE SHEET C-602)
- INSTALLATION OF TEMPORARY SWALES AND SEDIMENT BASINS (SEE SHEET C-602)
- DEWATERING NEEDS ARE EXPECTED ON SITE. INSTALLATION OF DEWATERING BAGS PER PLAN (SEE SHEET C-601). THE USE OF THESE DEWATERING MEASURES IS DEPENDENT UPON SPECIFIC SITE CONDITIONS. IT SHOULD BE RECOGNIZED THAT ANY DEWATERING MEASURES THAT ARE NOT LISTED IN THE PLAN MAY BE REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THESE SITE CONDITIONS OR ALTERNATE METHODS AVAILABLE TO THE CONTRACTOR.
- INITIATE THE NECESSARY EARTHWORK TO REACH GRADES INDICATED ON THE PLANS. TEMPORARILY STABILIZE ANY AREAS WITH SEEDING OR MULCH AS DETAILED IN THESE PLANS WITHIN 7 DAYS AFTER THE SUSPENSION OF GRADED WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THESE GRADED AREAS UNTIL THE SUSPENSION OF WORK IS EXPECTED TO BE MORE THAN 30 DAYS BUT LESS THAN 1 YEAR.
- STABILIZE PERMANENT LAWN AREAS AND SLOPES WITH SC150 BN EROSION CONTROL BLANKET ON SLOPES OF 3:1 OR GREATER AND TEMPORARY SEEDING (SEE SHEET C-601)
- INSTALLATION OF BUILDING FOUNDATION AND CONSTRUCTION OF BUILDINGS A AND BUILDINGS B. BUILDING CONSTRUCTION MAY COMMENCE UPON ACCEPTANCE OF BUILDING BY THE OWNER. CONCRETE WASHOUT MUST BE INSTALLED PRIOR TO ANY CONCRETE BEING POURED ON SITE.
- INSTALLATION OF RETAINING WALL
- INSTALLATION OF UTILITIES BUT NOT LIMITED TO STORMWATER, SANITARY, ELECTRIC, AND WATER. STORMWATER AND SANITARY TO BE INSTALLED IN A DOWNSTREAM UPSTREAM MANAGER. (RELATIVE TO DRAINAGE AND UTILITIES AS WELL AS SEPTIC PLANS AND PAVING AND OTHER APPLICABLE REQUIREMENTS).
- REMOVAL OF TEMPORARY SEDIMENT TRAP TO BE REPLACED WITH PERMANENT STORMTRAP INFILTRATION SYSTEM. THE TEMPORARY SEDIMENT TRAP MUST BE MODIFIED TO PREPARE IT FOR LONG-TERM USE INCLUDING, AT A MINIMUM, REMOVAL OF ANY ACCUMULATED SEDIMENT. RESTORATION OF THE PREVIOUS EROSION AND SEDIMENT CONTROL TRAPS, THE PREVIOUS EROSION AND SEDIMENT CONTROL TRAPS, AND OTHER STRUCTURAL MODIFICATIONS IN ACCORDANCE WITH THE BMP-SPECIFIC DESIGN GUIDANCE IN THE CONNECTICUT STORMWATER QUALITY MANUAL, AS AMENDED.
- INSTALLATION OF INLET PROTECTION ON SITE UTILITIES (SEE SHEET C-602)
- CONSTRUCTION OF ALL CURBING AND LANDSCAPE ISLANDS AS INDICATED ON THE PLANS
- SPREAD TOPSOIL ON SLOPED AREAS AND SEED AND MULCH MIXTURE TO BE INSTALLED AS REQUIRED.
- FINAL GRADING OF ALL SLOPED AREAS
- PLACE 6" TOPSOIL ON SLOPES AFTER FINAL GRADING COMPLETED. FERTILIZE, SEED, AND MULCH MIXTURE TO BE INSTALLED AS REQUIRED.
- REMOVAL OF THE TEMPORARY SEDIMENT TRAP #3 IN ACCORDANCE WITH THE 2024 CT EROSION AND SEDIMENT CONTROL GUIDELINES.
- PAVE PARKING LOT
- LANDSCAPING PER LANDSCAPING PLAN
- CLEAR SITE OF DEBRIS IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.
- REMOVE EROSION CONTROLS AS DISTURBED AREAS BECOME STABILIZED TO 70% STABILIZATION OR GREATER, AND ONCE THE SITE HAS BEEN INSPECTED BY THE TOWN OF LEDYARD STAFF.

RECOMMENDED CONSTRUCTION SEQUENCE

EROSION CONTROL NARRATIVE

- PURPOSE
 - THE PROPOSED WORK WILL CONSIST OF CONSTRUCTION NECESSARY TO BUILD A MULTI-FAMILY DEVELOPMENT WITH ALL ASSOCIATED PARKING, LANDSCAPING, UTILITIES, AND ACCESSORY STRUCTURES.
- DISRUPTION
 - THE PROPOSED PROJECT WILL DISTURB APPROXIMATELY 10.87 ACRES OF LAND.
- SITE SPECIFIC CONCERN
 - PREVENTION OF POLLUTION AND SEDIMENT ENTERING DOWNSTREAM WATERCOURSE(S)

Watershed Area	Sed. Trap	Total Drainage Area ac	Dd ft	Dw ft	Ad ft ²	Aw ft ²	Vd cy	Vw cy	Total Required Storage cy	Total Provided Storage cy
E&S-1	TST #1	2.4	1.5	1.5	8,475	6,765	423	319	328	743
E&S-2	TST #2	2.2	1.5	1.5	6,700	4,700	317	222	295	539
E&S-3	TST #3	1.2	1.5	1.5	3,196	2,243	151	106	161	257
E&S-4	TST #4	4.8	2.0	2.0	11,031	8,327	717	524	643	1,241

TEMPORARY SEDIMENT TRAP CALCS

TEMPORARY DIVERSION SWALE

PROPERTY	TEST METHOD	MARV
TENSILE STRENGTH	ASTM D-4632	205 LBS
ELONGATION	ASTM D-4632	50%
TRAPEZOID TEAR	ASTM D-4533	80 LBS
CBR PUNCTURE	ASTM D-6241	500 LBS
AOS	ASTM D-4751	80 SIEVE
PERMITTIVITY	ASTM D-4491	1.4 SEC-1
FLOW RATE	ASTM D-4491	90 GPM/FT ²
UV RESISTANCE	ASTM D-4355	70%

FERGUSON WATERWORKS

ACF DB55 DIRTBAG
FOR ADDITIONAL INFORMATION PLEASE
CONTACT FERGUSON SALES
INFO@FERGUSON.COM OR VISIT
WWW.FERGUSONGSS.COM

3/21/24

NOTES:
1. ALL MATERIAL TO MEET MANUFACTURER SPECIFICATIONS
2. COMPOST FILTER SOCK FILL TO MEET APPLICATION REQUIREMENTS
3. COMPOST MATERIAL TO BE DISPERSED ON SITE AT COMPLETION OF CONSTRUCTION OR AS DIRECTED BY OWNER AFTER STABILIZATION IS ACHIEVED.

OR APPROVED EQUIVALENT

NOTES:
1. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

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5. CONSECUTIVE SEAMS SPUN DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET.

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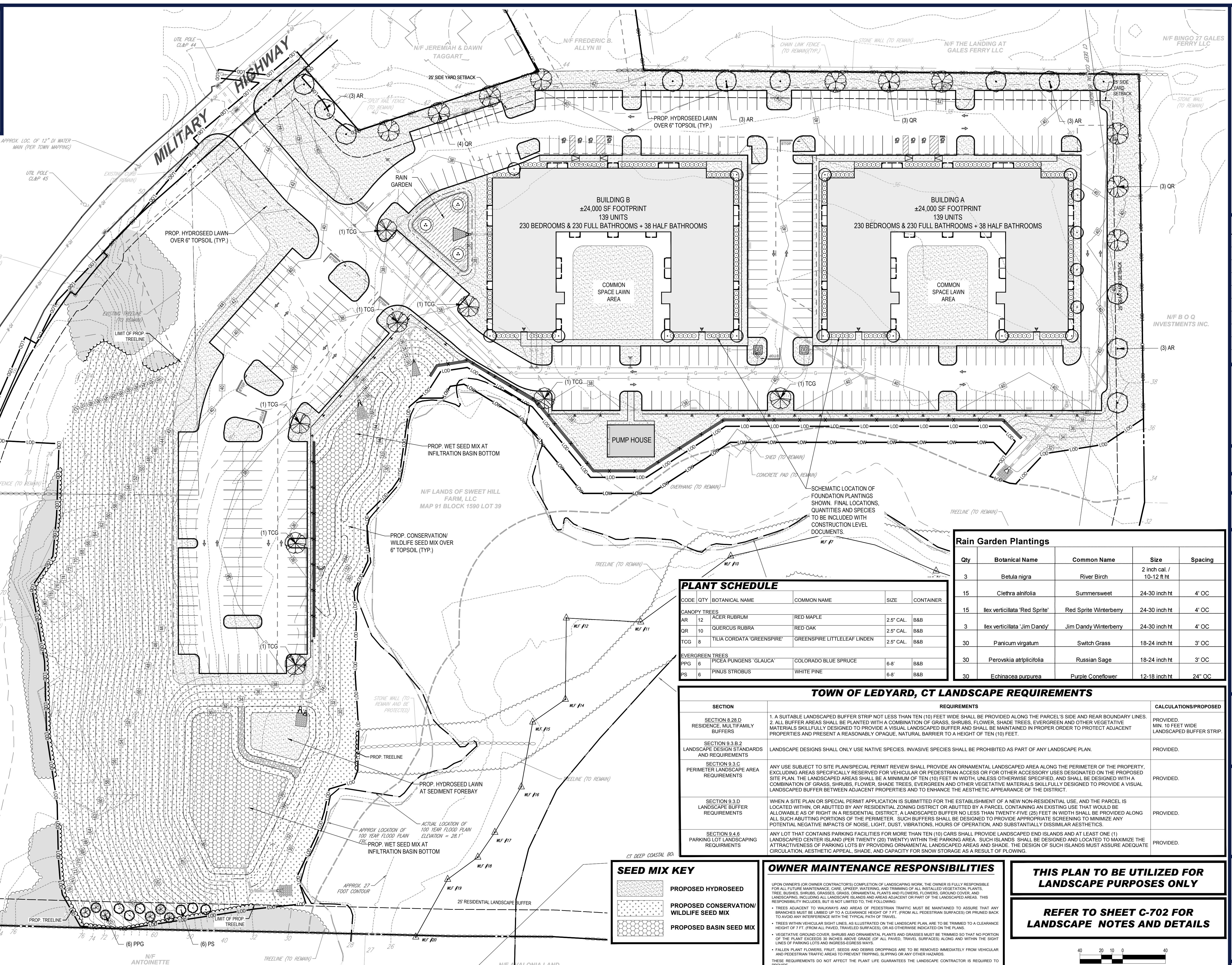
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4. THE OVERLAPPING BLANKET MUST BE STAPLED WITH MINIMUM 6



LANDSCAPE SPECIFICATIONS

- SCOPE OF WORK
- MATERIALS
- LAWN - ALL DISTURBED AREAS ARE TO BE TREATED WITH A MINIMUM 6" THICK LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, AND SEDED OR SODDED IN ACCORDANCE WITH THE PERMANENT STABILIZATION METHODS INDICATED ON THE LANDSCAPE PLAN
- LAWN MIXTURE SHALL BE FRESH, CLEAN NEW CROP SEED.
- SOD SHALL BE STRONGLY ROOTED, WEED AND PEST FREE WITH A UNIFORM THICKNESS. SOD INSTALLED ON SLOPES GREATER THAN 4:1 SHALL BE PEGGED TO HOLD SOD IN PLACE.
- MULCH - ALL PLANTING BEDS SHALL BE MULCHED WITH A 3" THICK LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH, UNLESS OTHERWISE STATED ON THE LANDSCAPE PLAN AND/OR LANDSCAPE PLAN NOTES (DETAILS)
- FERTILIZER
- FERTILIZER SHALL BE DELIVERED TO THE SITE MIXED AS SPECIFIED IN THE ORIGINAL UNOPENED STANDARD BAGS SHOWING WEIGHT, ANALYSIS AND NAME OF MANUFACTURER. FERTILIZER SHALL BE STORED IN A WEATHERPROOF PLACE SO THAT IT CAN BE KEPT DRY PRIOR TO USE.
- FOR THE PURPOSE OF BIDDING, ASSUME THAT FERTILIZER SHALL BE 10% NITROGEN, 6% PHOSPHORUS AND 4% POTASSIUM BY WEIGHT. A FERTILIZER SHOULD NOT BE SELECTED WITHOUT A SOIL TEST PERFORMED BY A CERTIFIED SOIL LABORATORY.
- PLANT MATERIAL
- ALL PLANTS SHALL IN ALL CASES CONFORM TO THE REQUIREMENTS OF THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1), LATEST EDITION, AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION (FORMERLY THE AMERICAN ASSOCIATION OF NURSERYMEN).
- IN ALL CASES, BOTANICAL NAMES SHALL TAKE PRIORITY OVER COMMON NAMES FOR ANY AND ALL PLANT MATERIAL.
- PLANTS SHALL BE LEGIBLY TAGGED WITH THE PROPER NAME AND SIZE. TAGS ARE TO REMAIN ON AT LEAST ONE PLANT OF EACH SPECIES FOR VERIFICATION PURPOSES DURING THE FINAL INSPECTION.
- TREES WITH ABRASION OF THE BARK, SUN SCALDS, DISFIGURATION OR FRESH CUTS OF LIMBS OVER 1", WHICH HAVE NOT BEEN COMPLETELY CALUSED, SHALL BE REJECTED. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES.
- ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH: WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE OF DISEASE, INSECTS, PESTS, EGGS OR LARVAE.
- CALIPER MEASUREMENTS OF NURSERY GROWN TREES SHALL BE TAKEN AT A POINT ON THE TRUNK SIX INCHES (6") ABOVE THE NATURAL GRADE FOR TREES UP TO AND INCLUDING A FOUR INCH (4") CALIPER SIZE. IF THE CALIPER AT SIX INCHES (6") ABOVE THE GROUND EXCEEDS FOUR INCHES (4") IN CALIPER, THE CALIPER SHOULD BE MEASURED AT A POINT 12" ABOVE THE NATURAL GRADE.
- SHRUBS SHALL BE MEASURED TO THE AVERAGE HEIGHT OR SPREAD OF THE SHRUB, AND NOT TO THE LONGEST BRANCH.
- TREES AND SHRUBS SHALL BE HANDLED WITH CARE BY THE ROOT BALL.
- GENERAL WORK PROCEDURES
- CONTRACTOR TO UTILIZE WORKMANLIKE INDUSTRY STANDARDS IN PERFORMING ALL LANDSCAPE CONSTRUCTION. THE SITE IS TO BE LEFT IN A CLEAN STATE AT THE END OF EACH WORKDAY. ALL DEBRIS, MATERIALS AND TOOLS SHALL BE PROPERLY STORED, STOCKPILED OR DISPOSED OF.
- WASTE MATERIALS AND DEBRIS SHALL BE COMPLETELY DISPOSED OF AT THE CONTRACTOR'S EXPENSE. DEBRIS SHALL NOT BE BURIED, INCLUDING ORGANIC MATERIALS, BUT SHALL BE REMOVED COMPLETELY FROM THE SITE.
- SITE PREPARATIONS
- BEFORE AND DURING PRELIMINARY GRADING AND FINISHED GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES OUTLINED HEREIN.
- ALL EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE ANY DAMAGED BRANCHES. THE ENTIRE LIMB OF ANY DAMAGED BRANCH SHALL BE CUT AT THE BRANCH COLLAR. CONSIDERATION SHALL BE MADE TO CUT A LIMB SMITH AND STONE TO AN UNPLANTED ROOT, WHICH CUT BACK TO THE SHARP TOOLS AND TOOLS. PLANTS SHALL BE PLACED AROUND THE REMAINDER OF THE ROOTS. EXISTING TREES SHALL BE MONITORED ON A REGULAR BASIS FOR ADDITIONAL ROOT OR BRANCH DAMAGE AS A RESULT OF CONSTRUCTION. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. CONTRACTOR SHALL WATER EXISTING TREES AS NEEDED TO PREVENT SHOCK OR DECLINE.
- CONTRACTOR SHALL ARRANGE TO HAVE A UTILITY STAKE-OUT TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY LANDSCAPE MATERIAL. UTILITY COMPANIES SHALL BE CONTACTED THREE (3) DAYS PRIOR TO THE BEGINNING OF WORK.
- TREE PROTECTION
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES TO REMAIN. A TREE PROTECTION ZONE SHALL BE ESTABLISHED AT THE DRIP LINE OR AT THE LIMIT OF CONSTRUCTION DISTURBANCE, WHICHEVER IS GREATER. LOCAL STANDARDS THAT MAY REQUIRE A MORE STRICT TREE PROTECTION ZONE SHALL BE HONORED.
- A FORTY-EIGHT INCH (48") HIGH WOODEN SNOW FENCE OR ORANGE COLORED HIGH-DENSITY VISI-FENCE, OR APPROVED EQUAL, MOUNTED ON STEEL POSTS SHALL BE PLACED ALONG THE BOUNDARY OF THE TREE PROTECTION ZONE. POSTS SHALL BE LOCATED AT A MAXIMUM OF EIGHT FEET (8') ON CENTER OR AS INDICATED WITHIN THE TREE PROTECTION DETAIL.
- WHEN THE TREE PROTECTION FENCING HAS BEEN INSTALLED, IT SHALL BE INSPECTED BY THE APPROVING AGENCY PRIOR TO DEMOLITION, GRADING, TREE CLEARING OR ANY OTHER CONSTRUCTION. THE FENCING ALONG THE TREE PROTECTION ZONE SHALL BE REGULARLY INSPECTED BY THE LANDSCAPE CONTRACTOR AND MAINTAINED UNTIL ALL CONSTRUCTION ACTIVITY HAS BEEN COMPLETED.
- AT NO TIME SHALL MACHINERY, DEBRIS, FALLEN TREES OR OTHER MATERIALS BE PLACED, STOCKPILED OR LEFT STANDING IN THE TREE PROTECTION ZONE.
- SOIL MODIFICATIONS
- CONTRACTOR SHALL ATTAIN A SOIL TEST FOR ALL AREAS OF THE SITE PRIOR TO CONDUCTING ANY PLANTING. SOIL TESTS SHALL BE PERFORMED BY A CERTIFIED SOIL LABORATORY.
- LANDSCAPE CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETERIMENTAL TO THE GROWTH OF PLANT MATERIAL. SOIL MODIFICATIONS, AS SPECIFIED HEREIN, MAY NEED TO BE CONDUCTED BY THE LANDSCAPE CONTRACTOR DEPENDING ON SITE CONDITIONS.
- THE FOLLOWING AMENDMENTS AND QUANTITIES ARE APPROXIMATE AND ARE FOR BIDDING PURPOSES ONLY. COMPOSITION OF AMENDMENTS SHOULD BE REVISED DEPENDING ON THE OUTCOME OF A TOPSOIL ANALYSIS PERFORMED BY A CERTIFIED SOIL LABORATORY.
- TO INCREASE A SANDY SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS, THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6-12". USE COMPOSTED BARK, COMPOSTED LEAF MULCH OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5.
- TO INCREASE DRAINAGE, MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) AND/OR AGRICULTURAL GYPSUM. COARSE SAND MAY BE USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 60% OF THE TOTAL MIX. SUBSURFACE DRAINAGE LINES MAY NEED TO BE ADDED TO INCREASE DRAINAGE.
- MODIFY EXTREMELY SANDY SOILS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.
- FINISHED GRADING
- UNLESS OTHERWISE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBANCE AREA OF THE SITE.
- LANDSCAPE CONTRACTOR SHALL VERIFY THAT SUBGRADE FOR INSTALLATION OF TOPSOIL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE MUST MEET THE FINISHED GRADE LESS THAN THE REQUIRED TOPSOIL THICKNESS (1").
- ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED WITHIN THIS SET OF CONSTRUCTION PLANS, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER OR LANDSCAPE ARCHITECT.
- ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER IN AND AROUND THE PLANTING BEDS. STANDING WATER SHALL NOT BE PERMITTED IN PLANTING BEDS.
- TOPSOILING
- CONTRACTOR SHALL PROVIDE A 6" THICK MINIMUM LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT. IN ALL PLANTING AREAS, TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO ACHIEVE THE DESIRED COMPLETED THICKNESS.
- ON-SITE TOPSOIL MAY BE USED TO SUPPLEMENT THE TOTAL AMOUNT REQUIRED. TOPSOIL FROM THE SITE MAY BE REJECTED IF IT HAS NOT BEEN PROPERLY REMOVED, STORED AND PROTECTED PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL FURNISH TO THE APPROVING AGENCY AN ANALYSIS OF BOTH IMPORTED AND ON-SITE TOPSOIL TO BE UTILIZED IN ALL PLANTING AREAS. THE NUTRIENT LEVEL AND THE REQUIRED LEVEL OF TOPSOIL ARE THE MATERIALS SECTION ABOVE.
- ALL LAWN AREAS ARE TO BE CULTIVATED TO A DEPTH OF SIX INCHES (6") AND DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES SECTION ABOVE. THE FOLLOWING SHALL BE TILLED INTO THE TOP FOUR INCHES (4") IN TWO DIRECTIONS (QUANTITIES BASED ON A 1,000 SQUARE FOOT AREA - FOR BID PURPOSES ONLY (SEE SPECIFICATION 6.A)):
- 20 POUNDS GRO-POWER OR APPROVED SOIL CONDITIONER/FERTILIZER
- 20 POUNDS NITRO-FORM (COURSE) 38-0-0 BLUE CHIP OR APPROVED NITROGEN FERTILIZER
- THE SPREADING OF TOPSOIL SHALL NOT BE CONDUCTED UNDER MUDDY OR FROZEN CONDITIONS.
- PLANTING
- INFOGRAPH THAT IF IT IS FEASIBLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THAT THIS IS NOT POSSIBLE, LANDSCAPE CONTRACTOR SHALL PROTECT UNINSTALLED PLANT MATERIAL. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE DAY PERIOD AFTER DELIVERY. PLANTS THAT WILL NOT BE PLANTED FOR A PERIOD OF TIME GREATER THAN THREE DAYS SHALL BE HEALED IN WITH TOPSOIL OR MULCH TO HELP PRESERVE ROOT MOISTURE.
- PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MUDDY OR FROZEN CONDITION.

1. Native Detention Area Mix as prepared by:
ERNST CONSERVATION SEEDS, INC.
888 MERCER PKG, MEADVILLE, PA 16335
PHONE: 800-873-3321 / 814-336-2404
EMAIL: SALES@ERNSTSEED.COM
WEBSITE: WWW.ERNSTSEED.COM

2. Application Rate: 1/2 LB. / 1000 SQ. FT. (20 LBS. / ACRE)

3. Mix Composition:
24.0% PANICUM VIRGATUM (SHELTER GRASS, SHELTER)
24.0% PANICUM CLAVIFOLIUM (SHEPHERD'S PURSE, TROPIC)
21.0% ELYMUS VIRGINicus, PA ECOTYPE (FORGE SEDGE, PA ECOTYPE)
6.0% AGROSTIS PERENNANS, ALBANY PINE BUSH-NY ECOTYPE (AUTUMN BENTGRASS, ALBANY PINE BUSH-NY ECOTYPE)
1.0% JUNCUS EFFUSUS (SOFT RUSH)
1.0% PANICUM RIGIDULUM, PA ECOTYPE (REDTOP PANICGRASS, PA ECOTYPE)

4. Spreading of Topsoil shall not be conducted under muddy or frozen conditions.

5. Planting operations shall be performed during periods within the planting season when weather and soil conditions are suitable and in accordance with accepted local practice. Plants shall not be installed in topsoil that is in a muddy or frozen condition.

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KO

- ANY INJURED ROOTS OR BRANCHES SHALL BE PRUNED TO MAKE CLEAN-CUT ENDS PRIOR TO PLANTING UTILIZING CLEAN, SHARP TOOLS. ONLY INJURED OR DISEASED BRANCHING SHALL BE REMOVED.
- ALL PLANTING CONTAINERS, BASKETS AND NON-BIODEGRADABLE MATERIALS SHALL BE REMOVED FROM ROOT BALLS DURING PLANTING. NATURAL FIBER BURLAP MUST BE CUT FROM AROUND THE TRUNK OF THE TREE AND FOLDED DOWN AGAINST THE ROOT BALL PRIOR TO BACKFILLING.
- POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.
- POTS TO THE PLANT AND CERTIFICATE OF PLANTING, THE PROPER PLANTING SEASONS, AS SHOWN ON THE APPROVED LANDSCAPE PLAN, MUST BE INSTALLED, INSPECTED AND APPROVED BY THE APPROVING AGENCY. THE APPROVING AGENCY SHALL TAKE INTO ACCOUNT SEASONAL CONSIDERATIONS IN THIS REGARD AS FOLLOWS: THE PLANTING OF TREES, SHRUBS, VINES AND GROUND COVER SHALL OCCUR ONLY DURING THE FOLLOWING PLANTING SEASONS:

- PLANTS: MARCH 15 TO DECEMBER 15
- LAWN: MARCH 15 TO JUNE 15 OR SEPT. 1 TO DECEMBER 1
- PLANTINGS REQUIRED FOR A CERTIFICATE OF OCCUPANCY SHALL BE PROVIDED DURING THE NEXT APPROPRIATE SEASON AT THE MUNICIPALITY'S DISCRETION. CONTRACTOR SHOULD CONTACT APPROVING AGENCY FOR POTENTIAL SUBSTITUTIONS.

- FURTHERMORE, THE FOLLOWING TREE VARIETIES ARE UNUSUALLY SUSCEPTIBLE TO WINTER DAMAGE. WITH TRANSPLANT SHOCK AND THE SEASONAL LACK OF NITROGEN AVAILABILITY, THE RISK OF PLANT DEATH IS GREATLY INCREASED. IT IS NOT RECOMMENDED THAT THESE SPECIES BE PLANTED DURING THE FALL PLANTING SEASON:

ACER RUBRUM	PLATANUS X ACERIFOLIA
BETULA VARIETIES	POPULUS VARIETIES
CARPINUS VARIETIES	PRUNUS VARIETIES
CRATAEGUS VARIETIES	PYRUS VARIETIES
KOELREUTERIA	QUEEN'S VARIETIES
Liquidambar STYRACIFLUA	TILIA TENTOMOSA
LIRIODENDRON TULIPIFERA	ZELKOWA VARIETIES

- PLANTING PITS SHALL BE DUG WITH LEVEL BOTTOMS, WITH THE WIDTH TWICE THE DIAMETER OF ROOT BALL. THE ROOT BALL SHALL REST ON UNDISTURBED GRADE. EACH PLANT PIT SHALL BE BACKFILLED IN LAYERS WITH THE FOLLOWING PREPARED SOIL MIXED THOROUGHLY:

- 1 PART PEAT MOSS

- 1 PART COMPOSTED COW MANURE BY VOLUME

- 3 PARTS TOPSOIL BY VOLUME

- 21 GRAMS AGRIFORM PLANTING TABLETS (OR APPROVED EQUAL) AS FOLLOWS:

- 2 TABLETS PER 1 GALLON PLANT

- 3 TABLETS PER 5 GALLON PLANT

- 4 TABLETS PER 15 GALLON PLANT

- LARGER PLANTS: 2 TABLETS PER 1/2" CALIPER OF TRUNK

- FILL PREPARED SOIL AROUND BALL OF PLANT HALF-WAY AND INSERT PLANT TABLETS. COMPLETE BACKFILL AND WATER THOROUGHLY.

- ALL PLANTS SHALL BE PLANTED SO THAT THE TOP OF THE ROOT BALL, THE POINT AT WHICH THE ROOT FLARE BEGINS, IS SET AT GROUND LEVEL AND IN THE CENTER OF THE PIT. NO SOIL IS TO BE PLACED DIRECTLY ON TOP OF THE ROOT BALL.

- ALL PROPOSED TREES DIRECTLY ADJACENT TO WALKWAYS OR DRIVEWAYS SHALL BE PRUNED AND MAINTAINED TO A MINIMUM BRANCHING HEIGHT OF 7' FROM GRADE.

- GROUND COVER AREAS SHALL RECEIVE A 1/4" LAYER OF HUMUS RAKED INTO THE TOP 1" OF PREPARED SOIL PRIOR TO PLANTING. ALL GROUND COVER AREAS SHALL BE WEEDED AND TREATED WITH A PRE-EMERGENT CHEMICAL AS PER MANUFACTURER'S RECOMMENDATION.

- NO PLANT, EXCEPT GROUND COVERS, GRASSES OR VINES, SHALL BE PLANTED LESS THAN TWO FEET (2') FROM EXISTING STRUCTURES AND SIDEWALKS.

- ALL PLANTING AREAS AND PLANTING PITS SHALL BE MULCHED AS SPECIFIED HEREIN TO FILL THE ENTIRE BED AREA OR SAUCER. NO MULCH IS TO TOUCH THE TRUNK OF THE TREE OR SHRUB.

- ALL PLANTING AREAS SHALL BE WATERED IMMEDIATELY UPON INSTALLATION IN ACCORDANCE WITH THE WATERING SPECIFICATIONS AS LISTED HEREIN.

- TRANSPLANTING (WHEN REQUIRED)

- ALL TRANSPLANTS SHALL BE DUG WITH INTACT ROOT BALLS CAPABLE OF SUSTAINING THE PLANT.

- IF PLANTS ARE TO BE STOCKPILED BEFORE REPLANTING, THEY SHALL BE HEALED IN WITH MULCH OR SOIL, ADEQUATELY WATERED AND PROTECTED FROM EXTREME HEAT, SUN AND WIND.

- PLANTS SHALL NOT BE DUG FOR TRANSPLANTING BETWEEN APRIL 10 AND JUNE 30.

- UPON REPLANTING, BACKFILL SOIL SHALL BE AMENDED WITH FERTILIZER AND ROOT GROWTH HORMONE.

- TRANSPLANTS SHALL BE GUARANTEED FOR THE LENGTH OF THE GUARANTEE PERIOD SPECIFIED HEREIN.

- TRANSPLANTS DIE, SHRUBS AND TREES LESS THAN SIX INCHES (6") DBH MAY BE REQUIRED TO BE REPLACED IN ACCORDANCE WITH THE MUNICIPALITY'S TREE REPLACEMENT GUIDELINES.

- WATERING

- NEW PLANTINGS OR LAWN AREAS SHALL BE ADEQUATELY IRRIGATED BEGINNING IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACKFILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED. WATERING SHALL CONTINUE AT LEAST UNTIL PLANTS ARE ESTABLISHED.

- SITE OWNER SHALL PROVIDE WATER IF AVAILABLE ON SITE AT TIME OF PLANTING. IF WATER IS NOT AVAILABLE ON SITE, CONTRACTOR SHALL SUPPLY ALL NECESSARY WATER. THE USE OF WATER BAGS IS RECOMMENDED FOR ALL NEWLY PLANTED TREES.

- IF AN IRRIGATION SYSTEM HAS BEEN INSTALLED ON THE SITE, IT SHALL BE USED TO WATER PROPOSED PLANT MATERIAL, BUT NOT TO ELIMINATE THE CONTRACTOR'S RESPONSIBILITY OF MAINTAINING THE DESIRED MOISTURE LEVEL FOR VIGOROUS, HEALTHY GROWTH.

- GUARANTEE

- THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF 1 YEAR FROM APPROVAL OF LANDSCAPE INSTALLATION BY THE APPROVING AGENCY. CONTRACTOR SHALL SUPPLY THE OWNER WITH A MAINTENANCE BOND FOR TEN PERCENT (10%) OF THE VALUE OF THE LANDSCAPE INSTALLATION WHICH WILL BE RELEASED AT THE CONCLUSION OF THE GUARANTEE PERIOD AND WHEN A FINAL INSPECTION HAS BEEN COMPLETED AND APPROVED BY THE OWNER OR AUTHORIZED REPRESENTATIVE.

- ANY DEAD OR DYING PLANT MATERIAL SHALL BE REPLACED FOR THE LENGTH OF THE GUARANTEE PERIOD. REPLACEMENT OF PLANT MATERIAL SHALL BE CONDUCTED AT THE FIRST SUCCEEDING PLANTING SEASON. ANY DEBRIS SHALL BE DISPOSED OF OFF-SITE, WITHOUT EXCEPTION.

- TREES AND SHRUBS SHALL BE MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION AND THROUGHOUT THE 90 DAY MAINTENANCE PERIOD AS SPECIFIED HEREIN. CULTIVATION, WEEDING, MOWING, TRIMMING AND OTHER OPERATIONS SHALL BE PERFORMED AS NECESSARY TO KEEP PLANT MATERIAL IN GOOD CONDITION AND FREE OF INSECTS AND DISEASE.

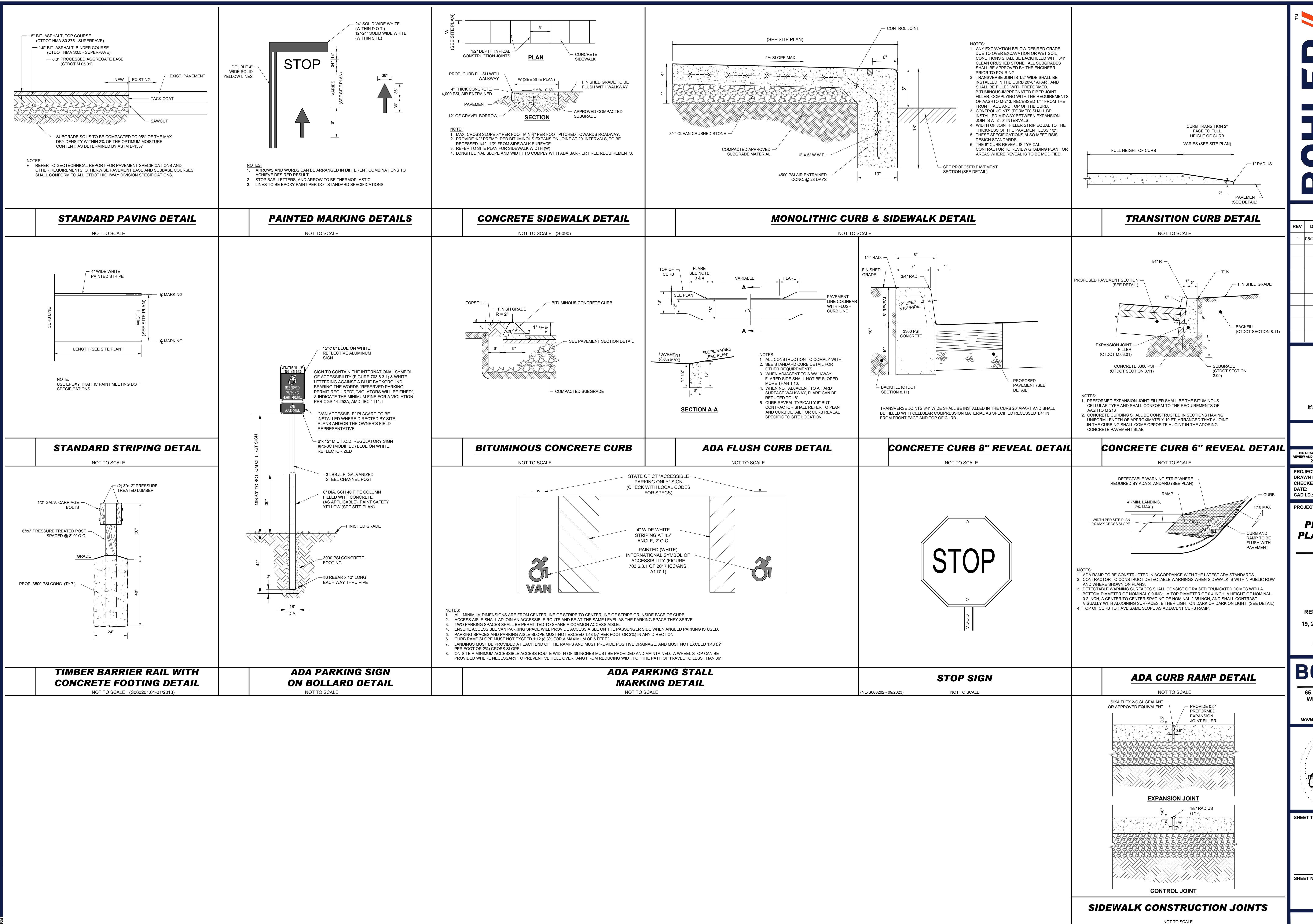
- LAWNS SHALL BE MAINTAINED THROUGH WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING AND OTHER OPERATIONS SUCH AS ROLLING, REGARDING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS.

- UPON THE COMPLETION OF ALL LANDSCAPE INSTALLATION AND BEFORE THE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL UNUSED MATERIALS, EQUIPMENT AND DEBRIS FROM THE SITE. ALL PAVED AREAS ARE TO BE CLEANED.

- THE SITE SHALL BE CLEANED AND LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER OR AUTHORIZED REPRESENTATIVE.

- MAINTENANCE (ALTERNATE BID):

- A 90 DAY MAINTENANCE PERIOD SHALL COMMENCE AT THE END OF ALL LANDSCAPE INSTALLATION OPERATIONS. THE 90 DAY MAINTEN



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WEST HARTFORD, CT 06107
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SHEET TITLE:

DETAIL SHEET

SHEET NUMBER:

C-901

REVISION 1 - 05/20/2025

REVISION 1 - 05/20/2025

REVISIONS		
REV 1	DATE 05/20/2025	COMMENT RESPONSE TO TOWN COMMENTS CR/KS JGB



PERMIT SET

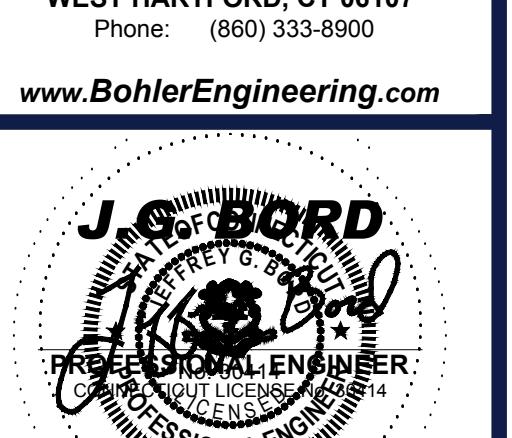
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PROJECT No.: CTA220061.00
DRAWN BY: CR/T/JNKMB
CHECKED BY: JGB
DATE: 02/19/2025
CAD ID: CTA220061.00-DETL-6A

PROPOSED SITE PLAN DOCUMENTS

FOR
C.R. KLEWIN
LLC
PROPOSED
RESIDENTIAL DEVELOPMENT
19, 29 & 39 MILITARY HIGHWAY,
GALES FERRY,
LEDYARD,
NEW LONDON COUNTY,
CONNECTICUT

BOHLER //
66 LaSALLE ROAD, SUITE 401
WEST HARTFORD, CT 06107
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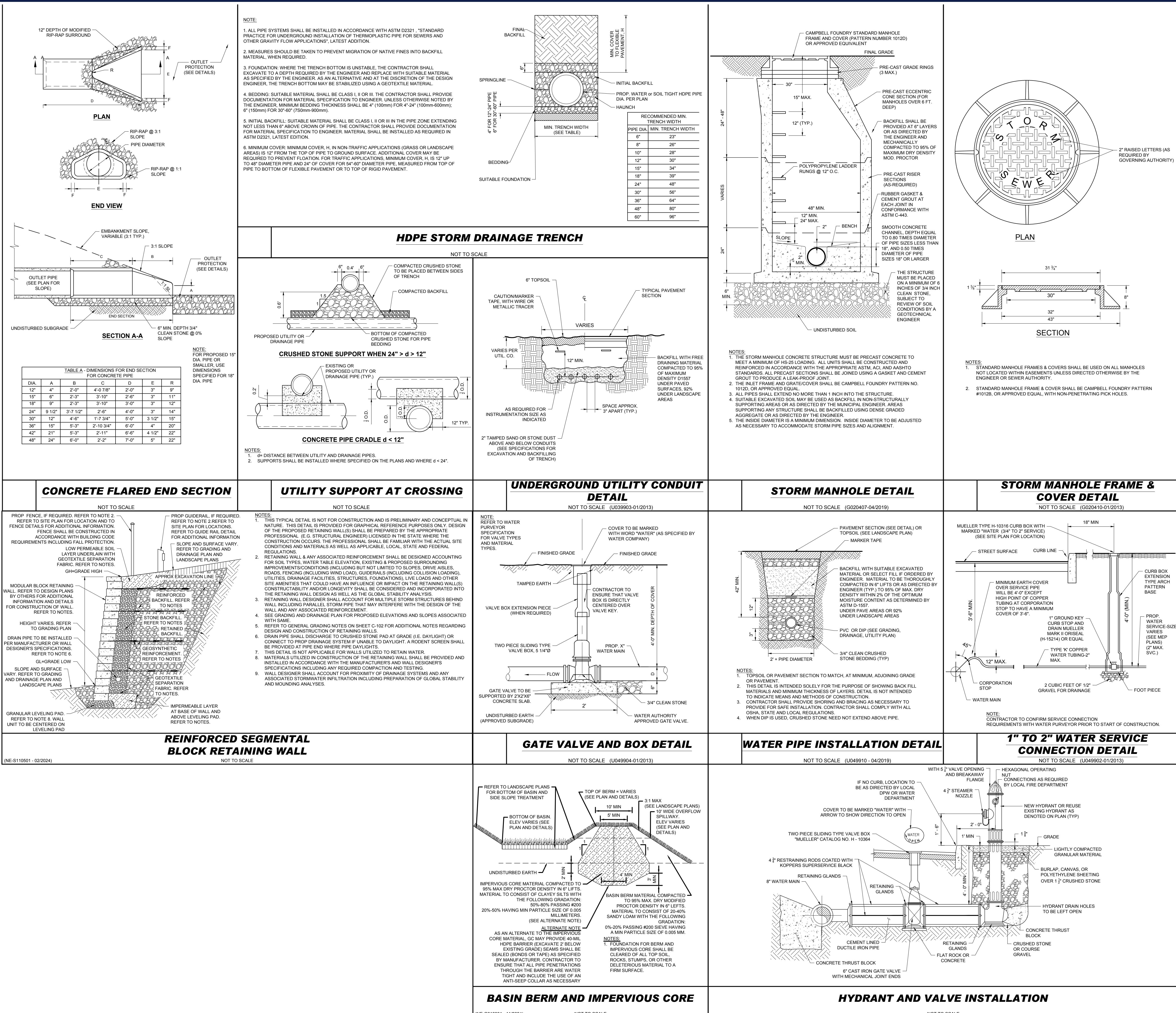
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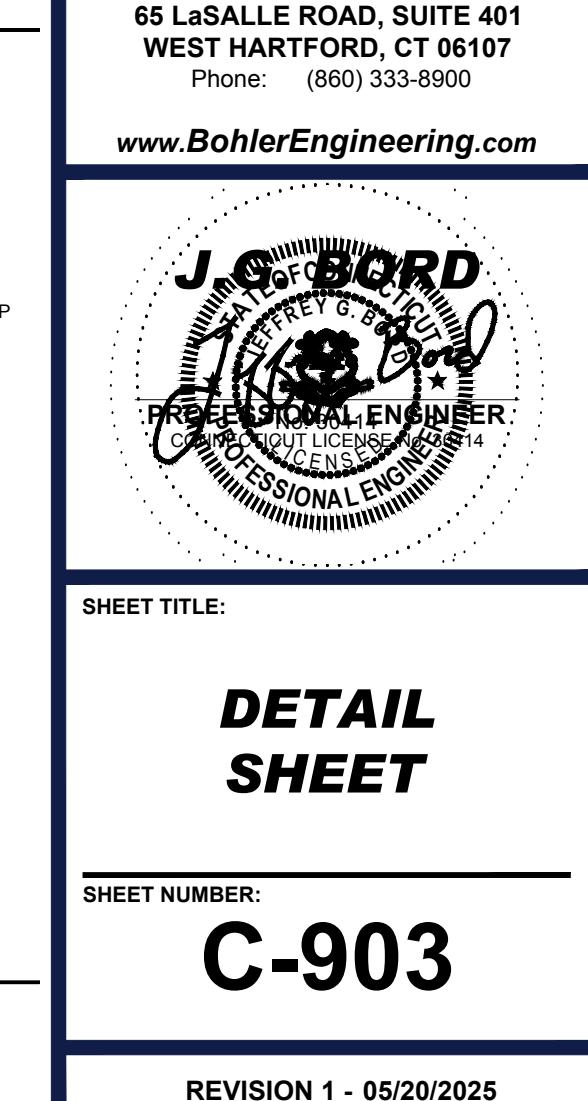
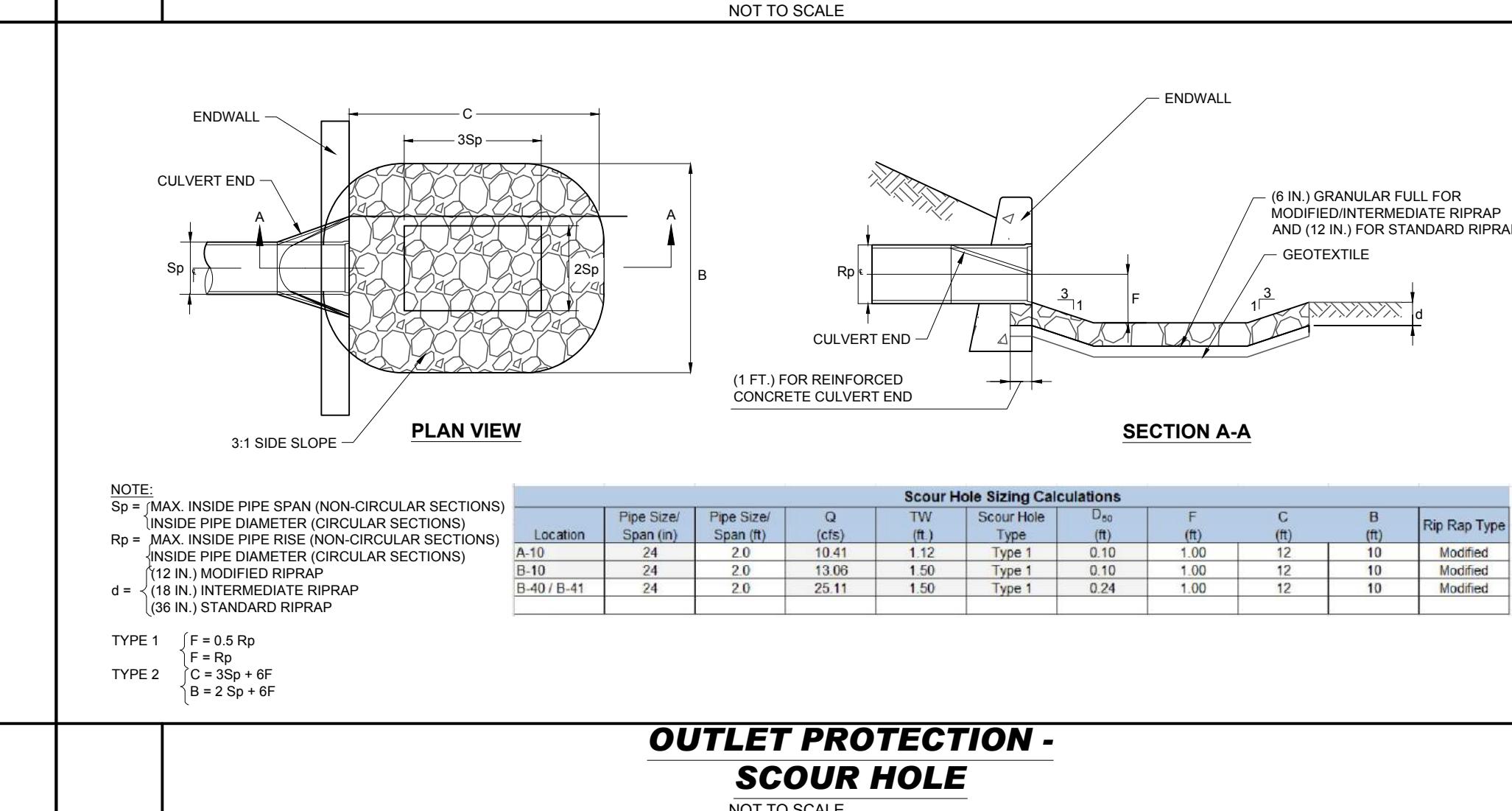
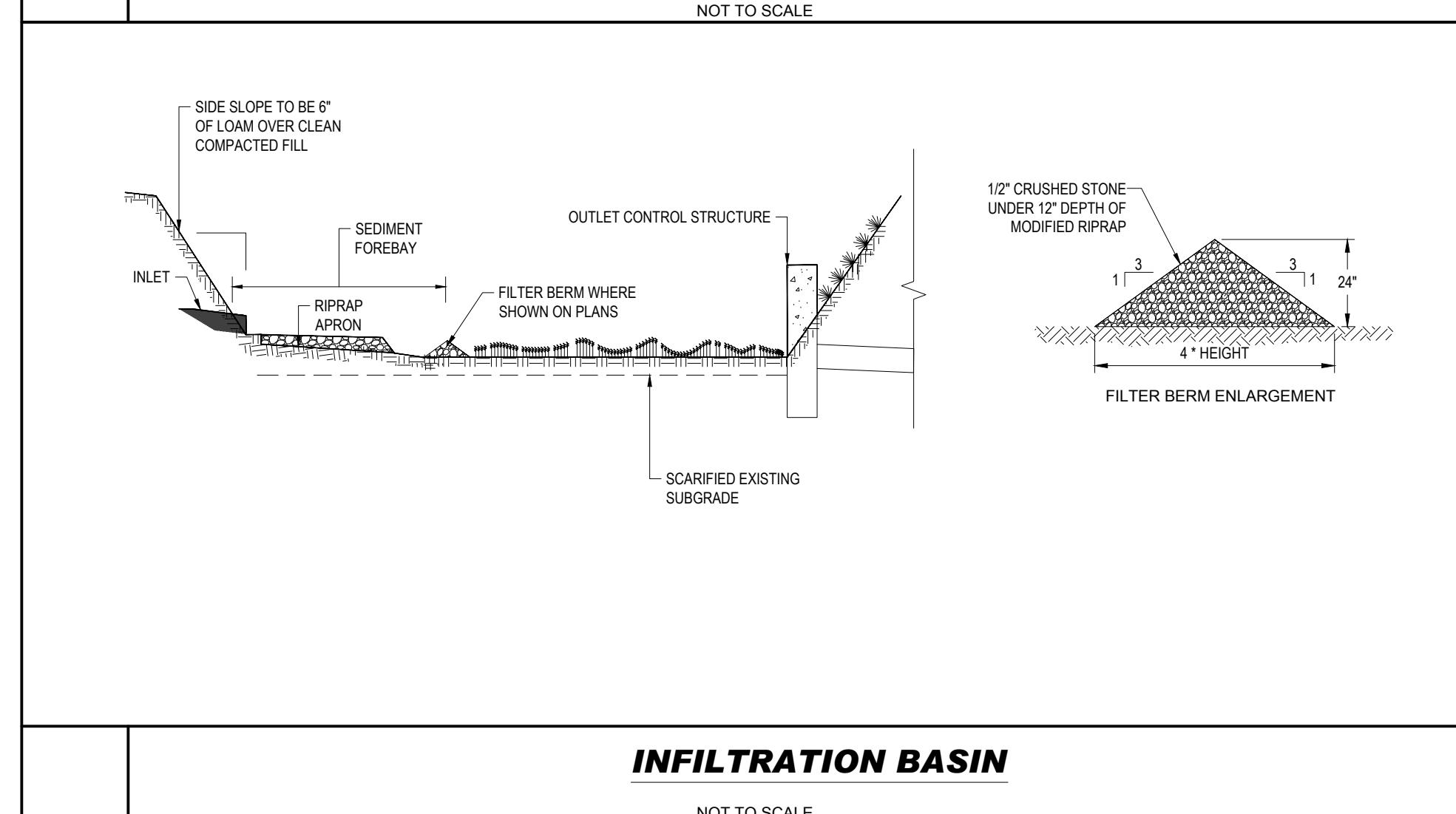
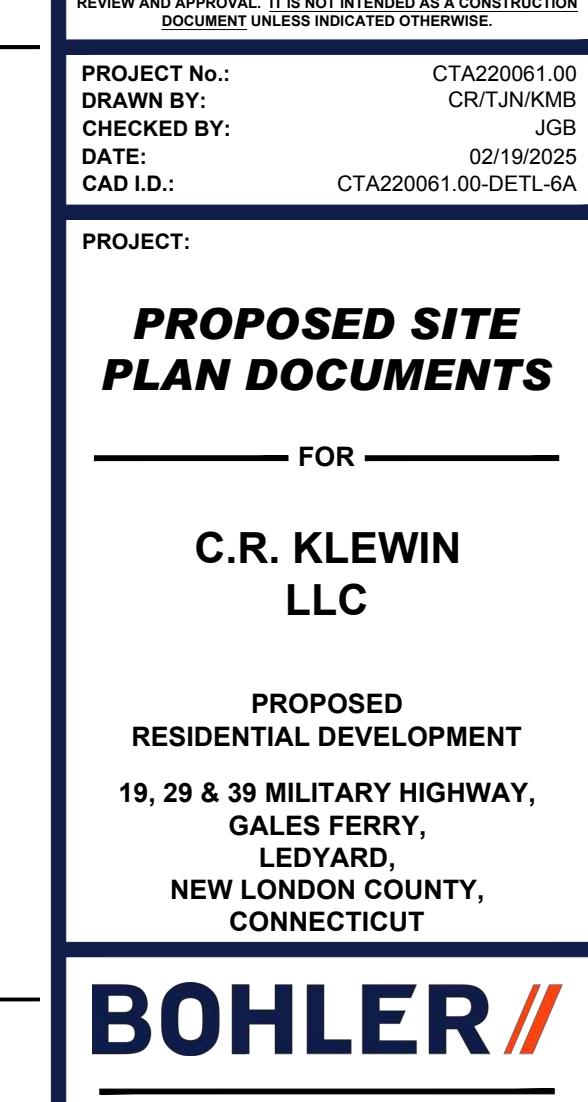
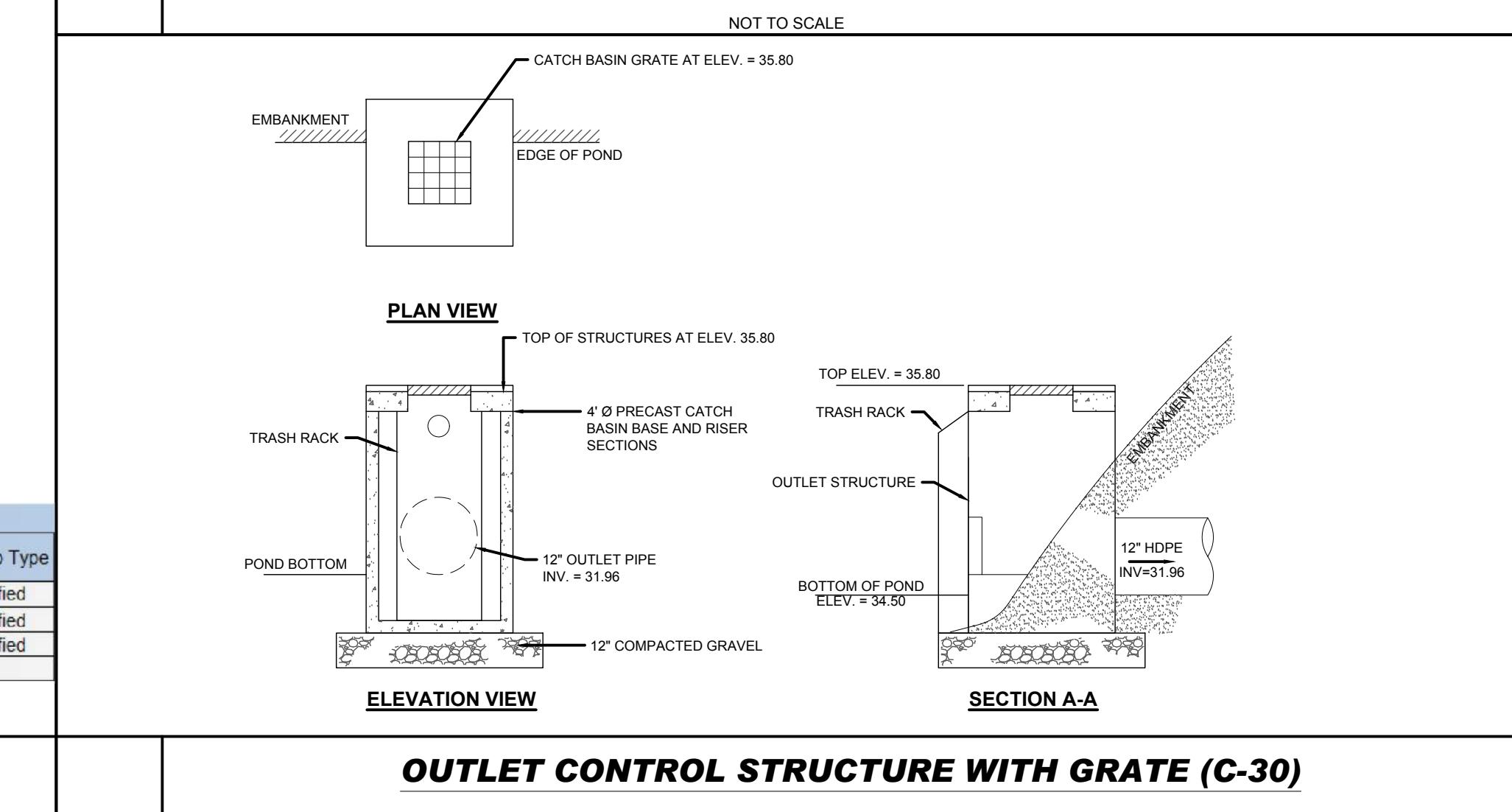
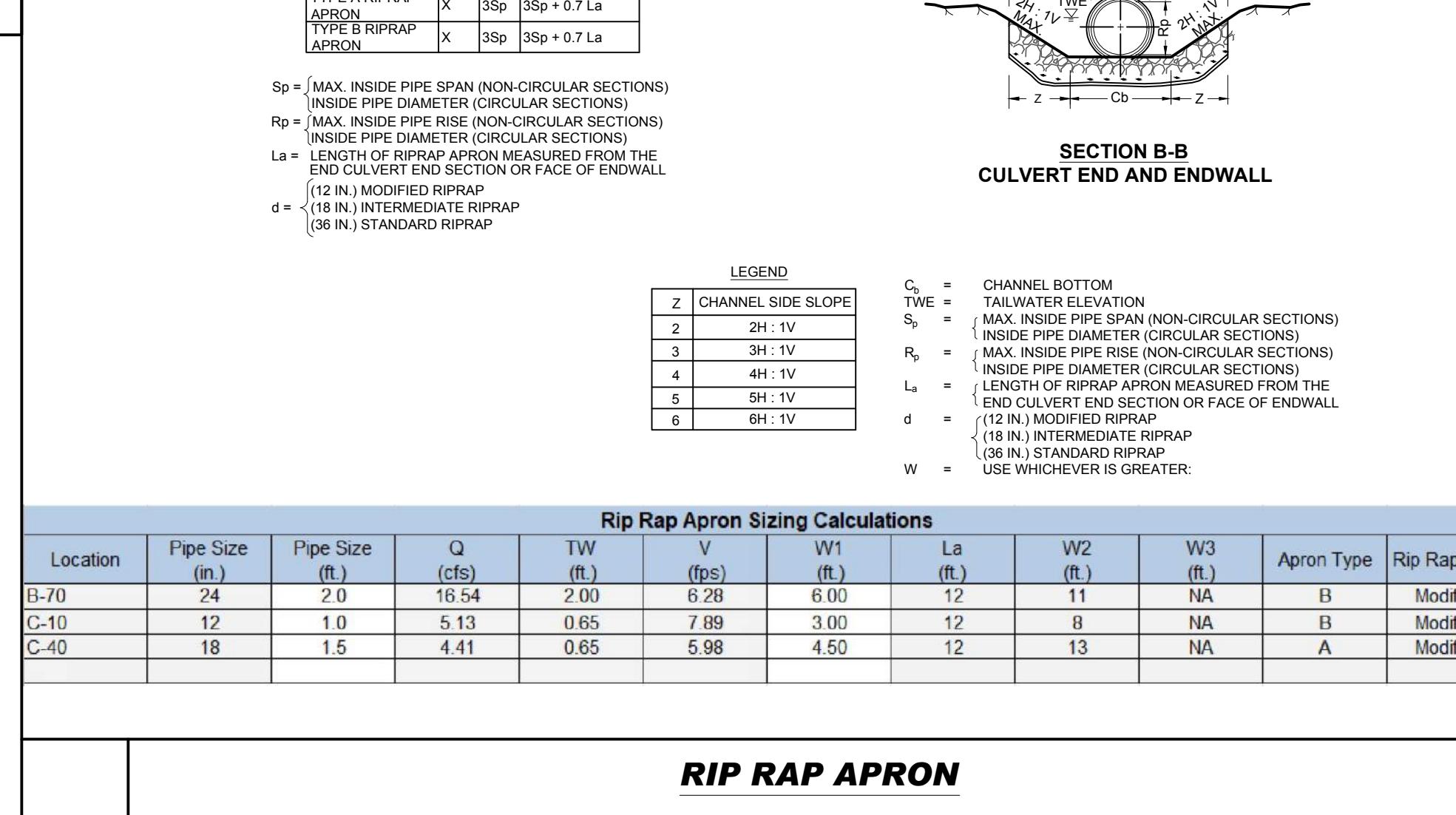
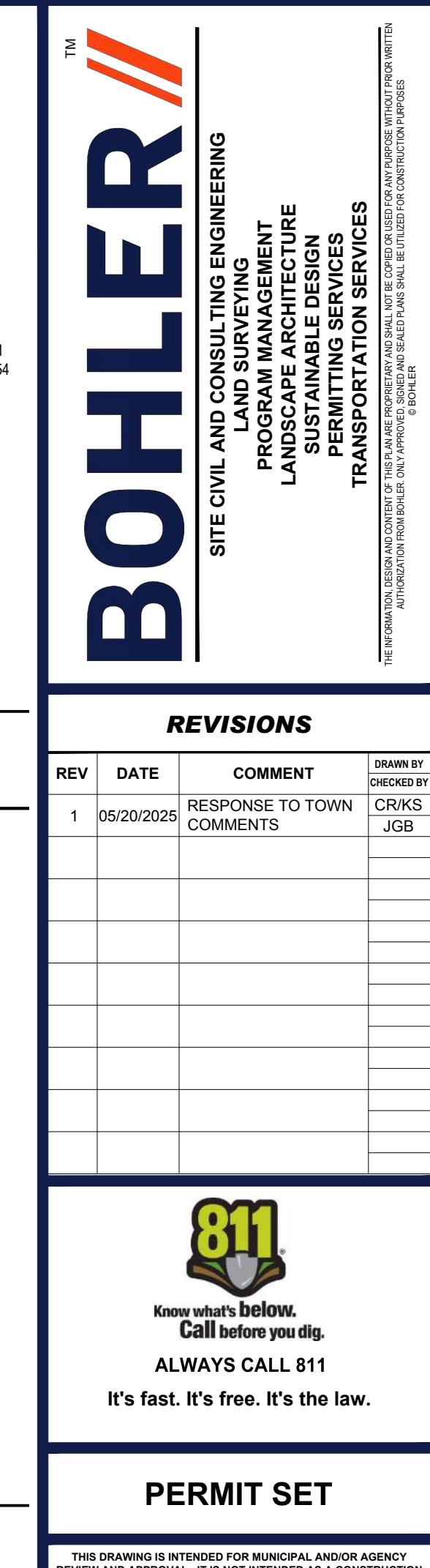
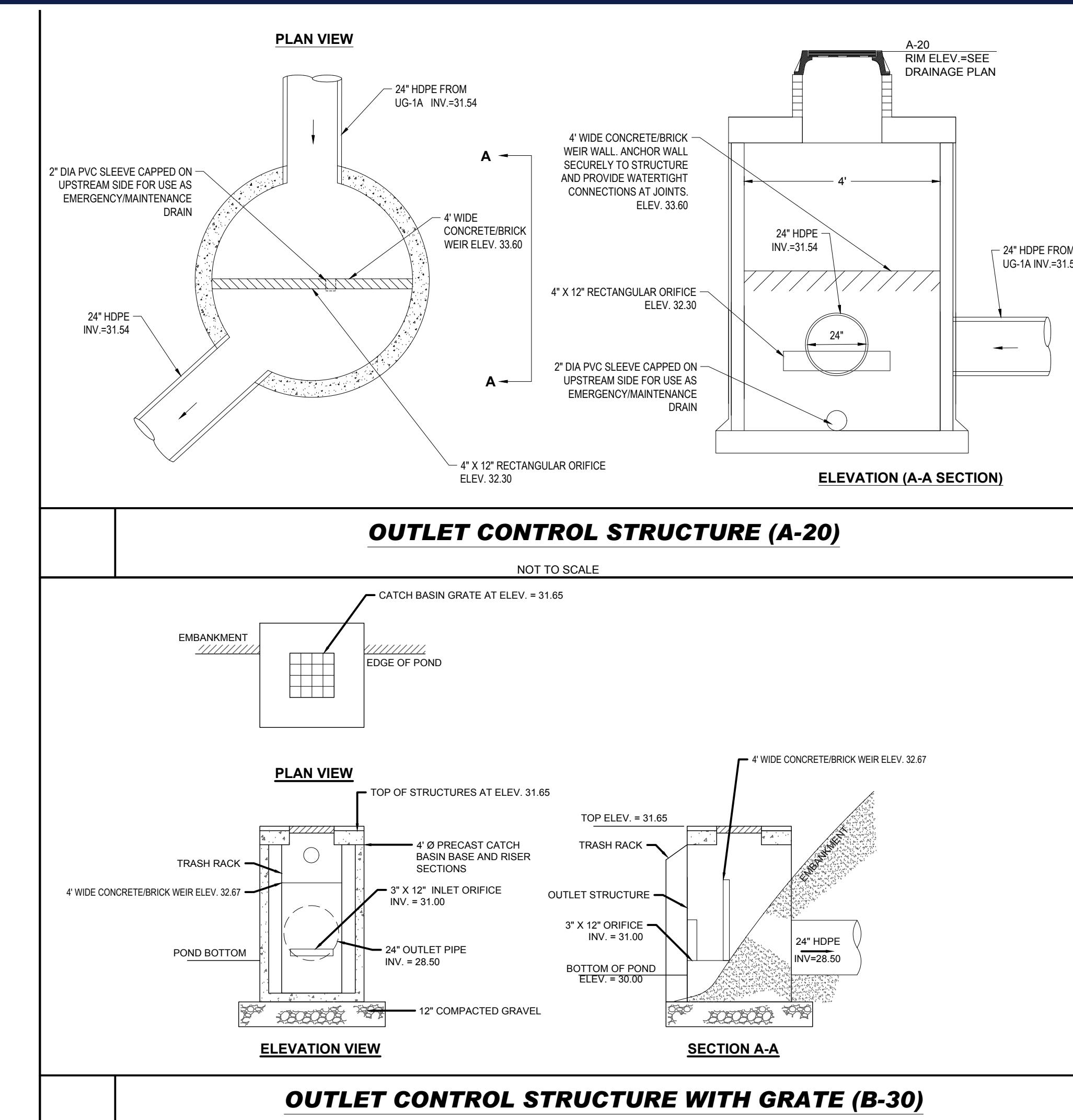
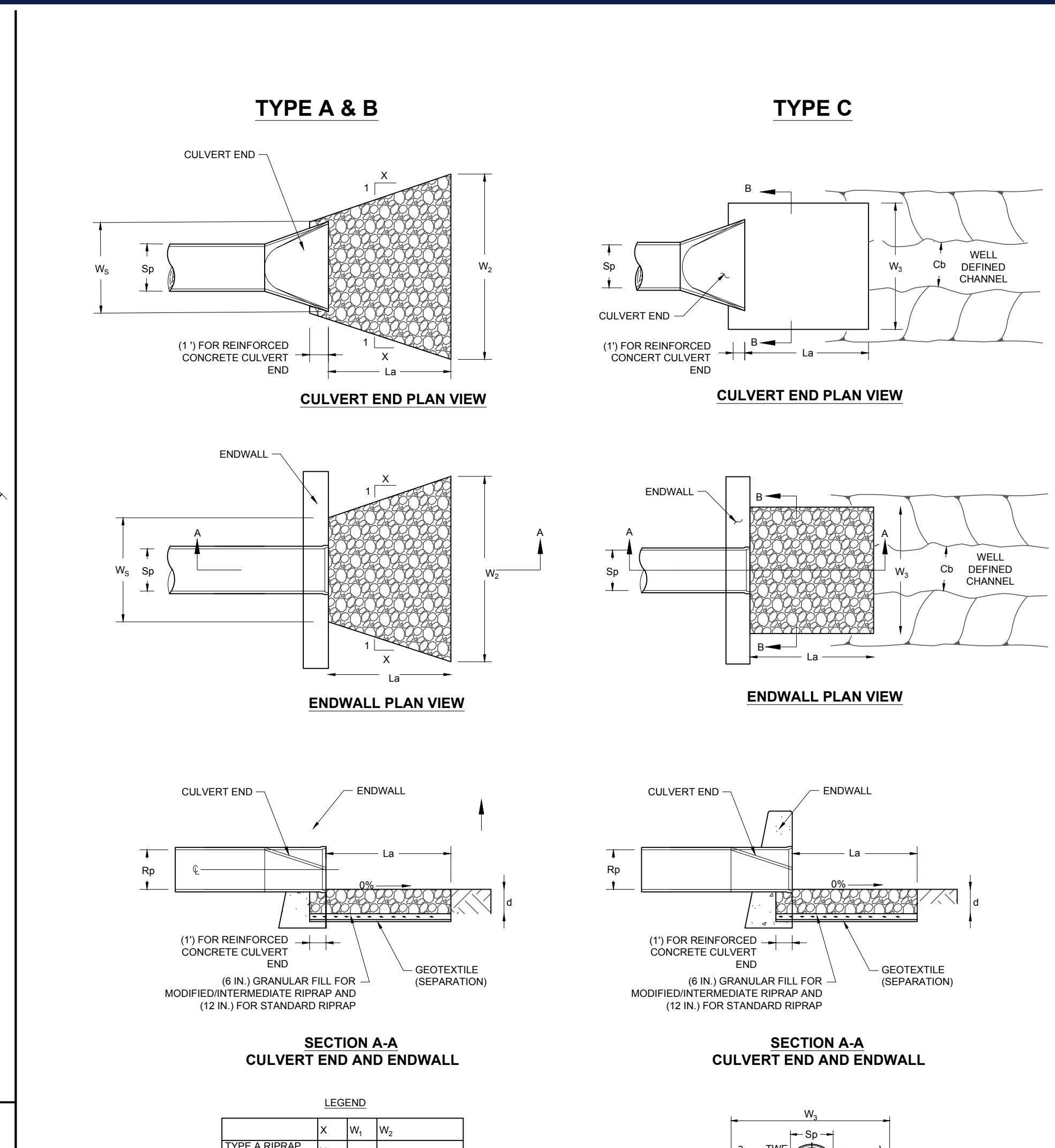
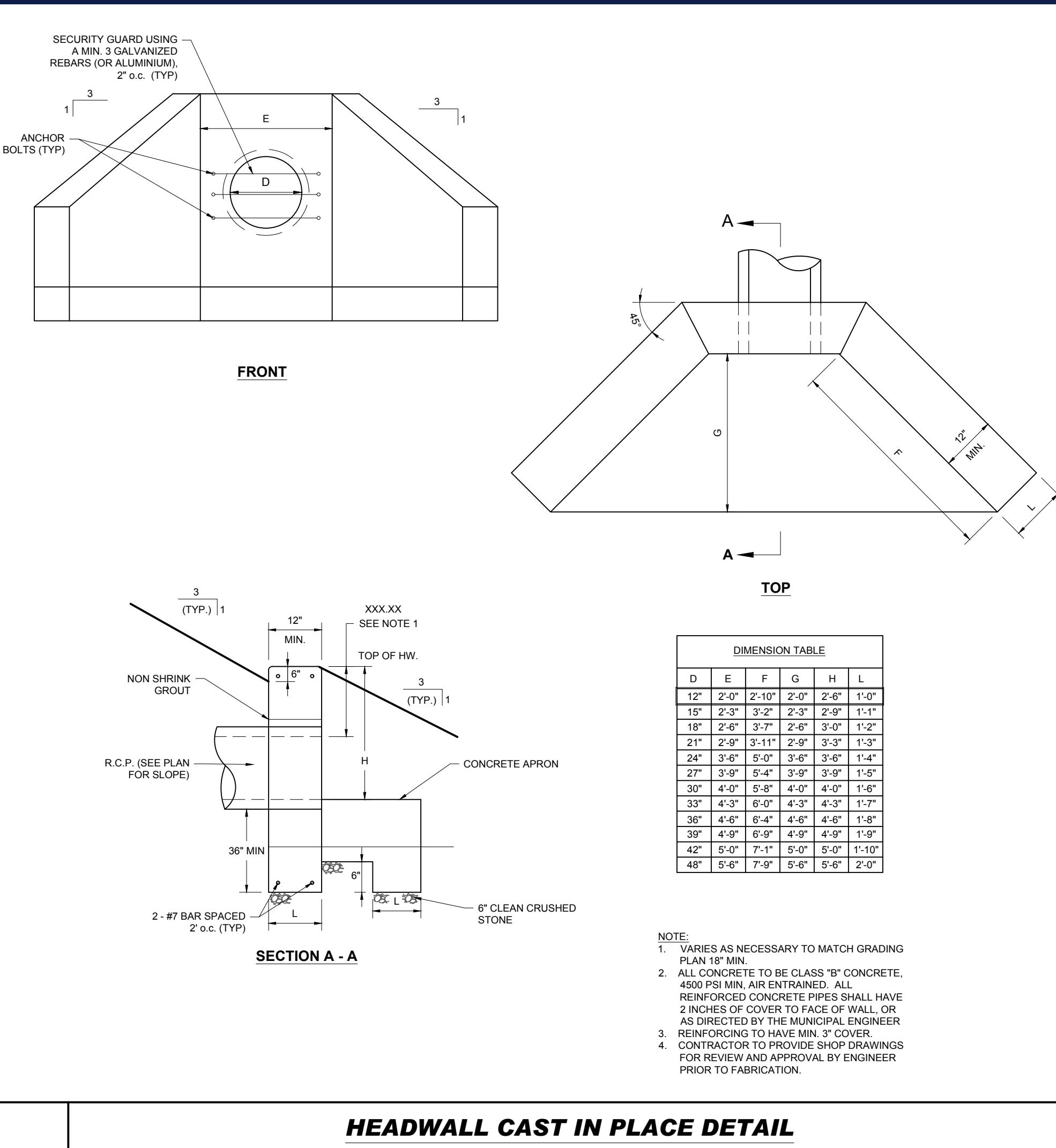
DETAIL
SHEET

SHEET NUMBER:

C-902

REVISION 1 - 05/20/2025





REV	DATE	COMMENT	DRAWN BY
1	05/20/2025	RESPONSE TO TOWN COMMENTS	CR/KS JGB



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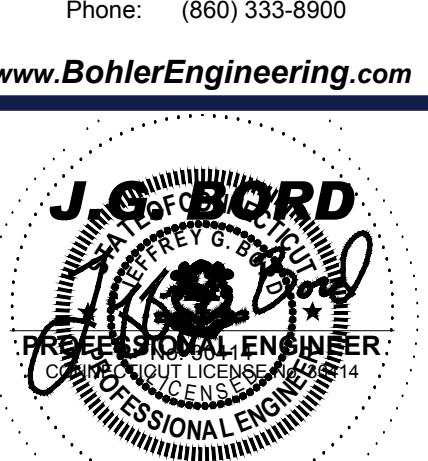
PROJECT No.: CTA220061.00
 DRAWN BY: CR/TJN/KMB
 CHECKED BY: JGB
 DATE: 02/19/2025
 CAD ID.: CTA220061.00-DETL-6A

PROJECT:

PROPOSED SITE PLAN DOCUMENTS

FOR
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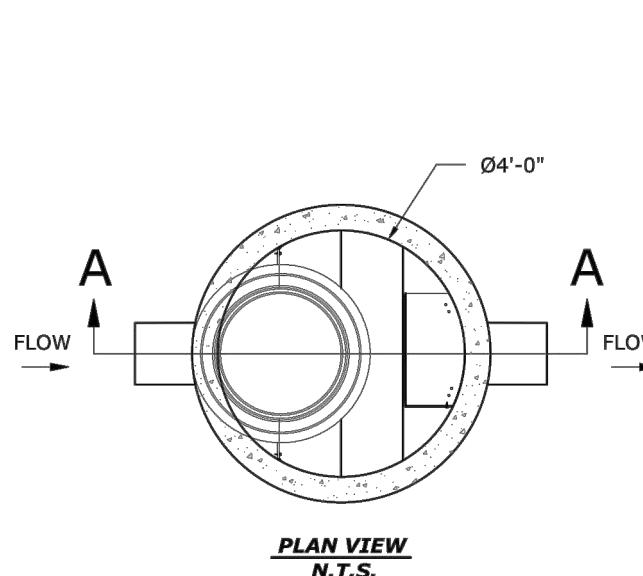
DETAIL SHEET

SHEET NUMBER:

C-904

REVISION 1 - 05/20/2025

SITE SPECIFIC DATA	
STRUCTURE ID	A-21



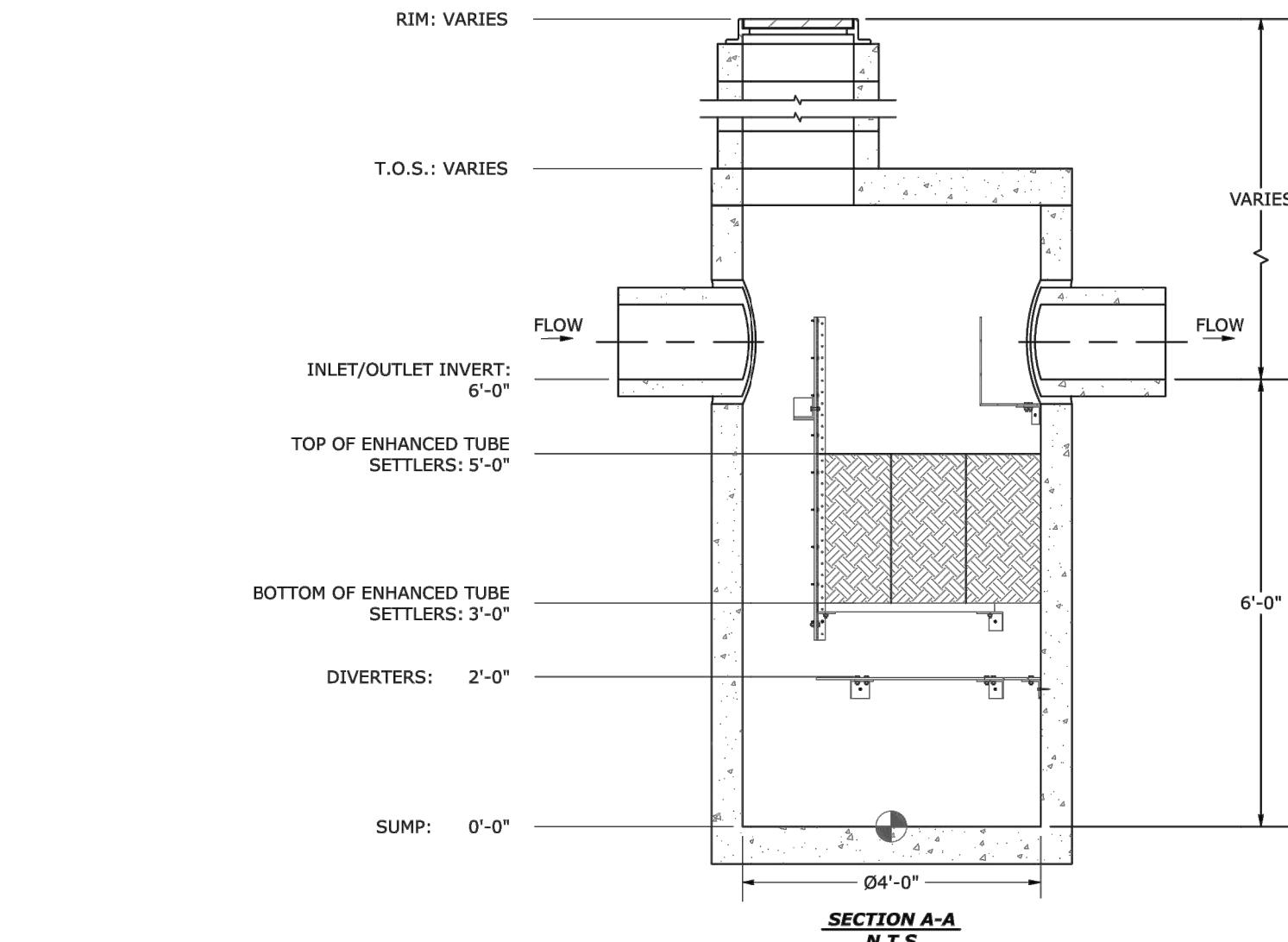
DESIGN NOTES:

1. DESIGN LOADING:
 - a. LOAD RATING = AASHTO HS-20
 - b. MINIMUM COVER = 0.50', MAXIMUM COVER = 5.00'. CONTACT STORMTRAP FOR ADDITIONAL COVER OPTIONS.
 - c. WATER TABLE AT OR BELOW OUTLET PIPE INVERT ELEVATION.
 - d. NO LATERAL SURCHARGE FROM ADJACENT STRUCTURES SUCH AS VEGETATION, BUILDINGS, WALLS, OR FOUNDATIONS.
2. ENGINEER OF RECORD TO CONFIRM THE DESIGN LOADINGS MEET PROJECT REQUIREMENTS. CONTACT STORMTRAP FOR ALTERNATIVE DESIGN LOAD OPTIONS.

GENERAL NOTES:

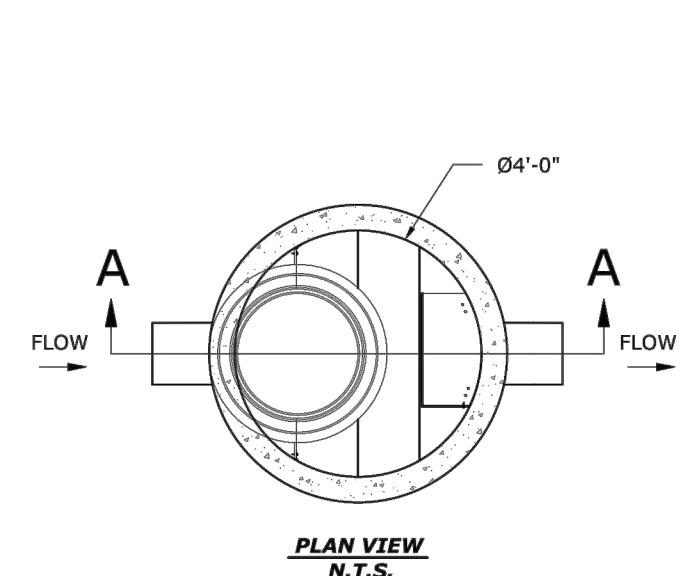
1. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS, WEIGHTS, AND ACCESSORIES, PLEASE CONTACT YOUR STORMTRAP REPRESENTATIVE.
2. CONCRETE COMPONENTS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C478.
3. CONTRACTOR TO INSTALL THE STRUCTURE IN ACCORDANCE WITH ASTM C1621.
4. CONTRACTOR TO PROVIDE ALL LABOR AND EQUIPMENT REQUIRED TO OFFLOAD AND INSTALL UNIT.
5. CONTRACTOR TO PROVIDE AND INSTALL ALL PIPES, FRAMES, COVERS, HATCHES, AND RISERS UNLESS SPECIFIED OTHERWISE.
6. CONTRACTOR TO ADD JOINT SEALANT (PROVIDED BY STORMTRAP) BETWEEN ALL STRUCTURE SECTIONS.

DRAWINGS ARE FOR REFERENCE ONLY AND SHALL NOT BE USED FOR CONSTRUCTION PURPOSES.



StormSettler **StormTrap**
STORMSETTLER 4 STANDARD DETAIL
 DRAWN BY: DATE: SCALE: SHEET 1 OF 1
 TN 02/19/2025 NTS V1

SITE SPECIFIC DATA	
STRUCTURE ID	A-30



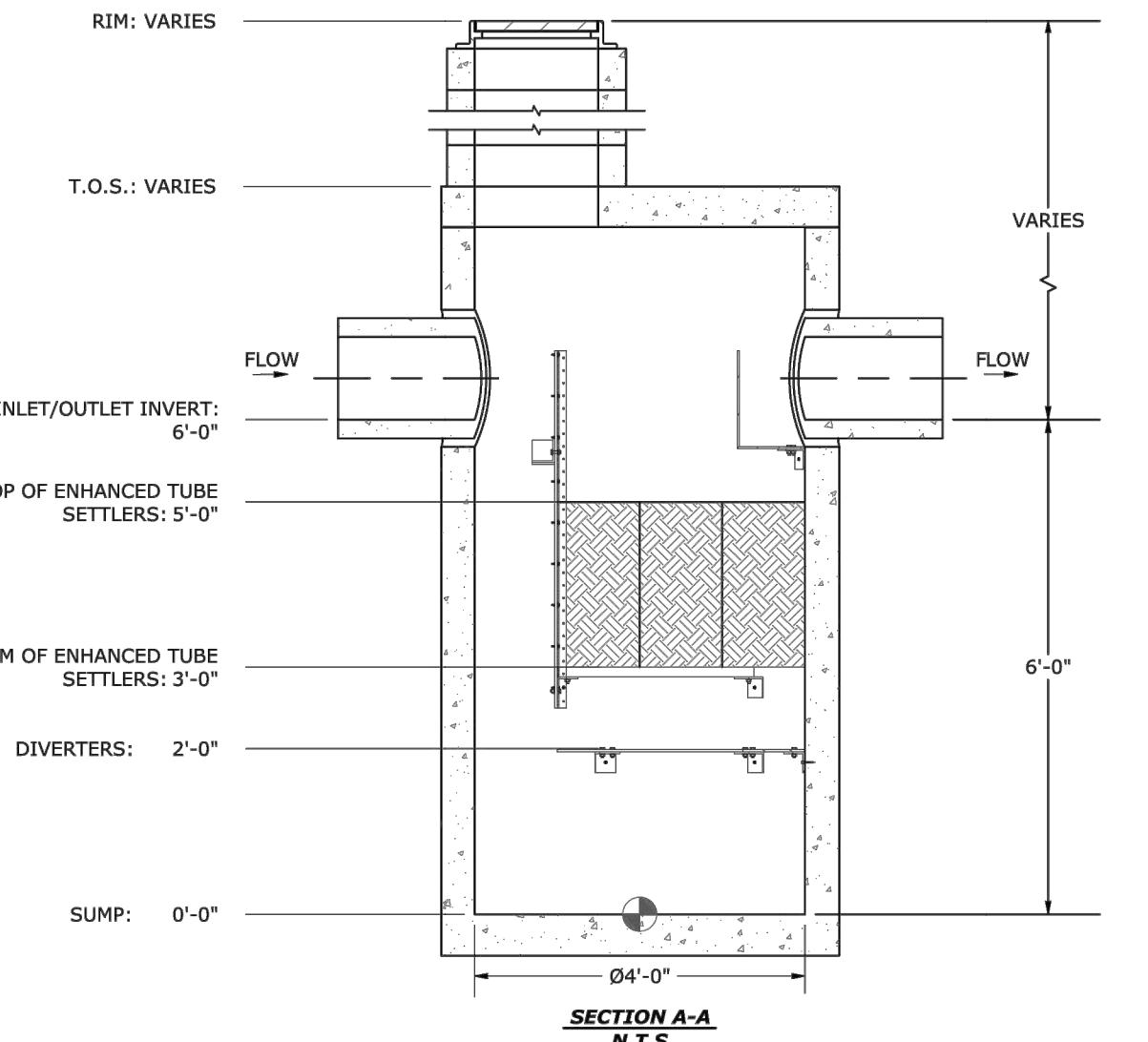
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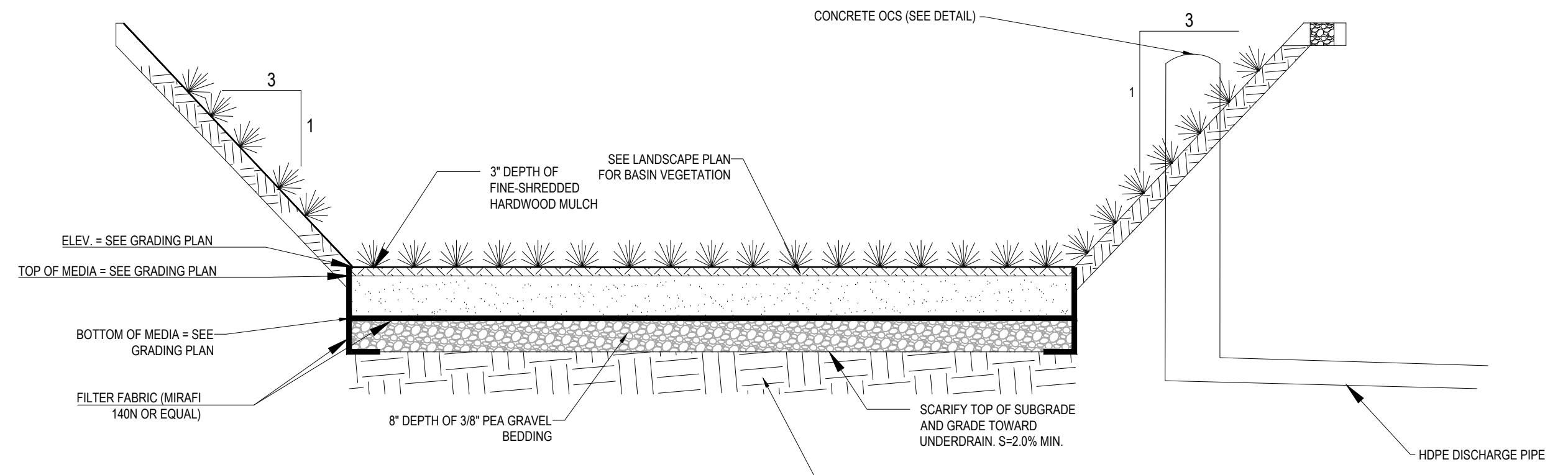
StormSettler **StormTrap**
STORMSETTLER 4 STANDARD DETAIL
 DRAWN BY: DATE: SCALE: SHEET 1 OF 1
 TN 02/19/2025 NTS V1

HYDRODYNAMIC SEPARATOR DETAIL (A-21)

NOT TO SCALE (S-081)

HYDRODYNAMIC SEPARATOR DETAIL (A-30)

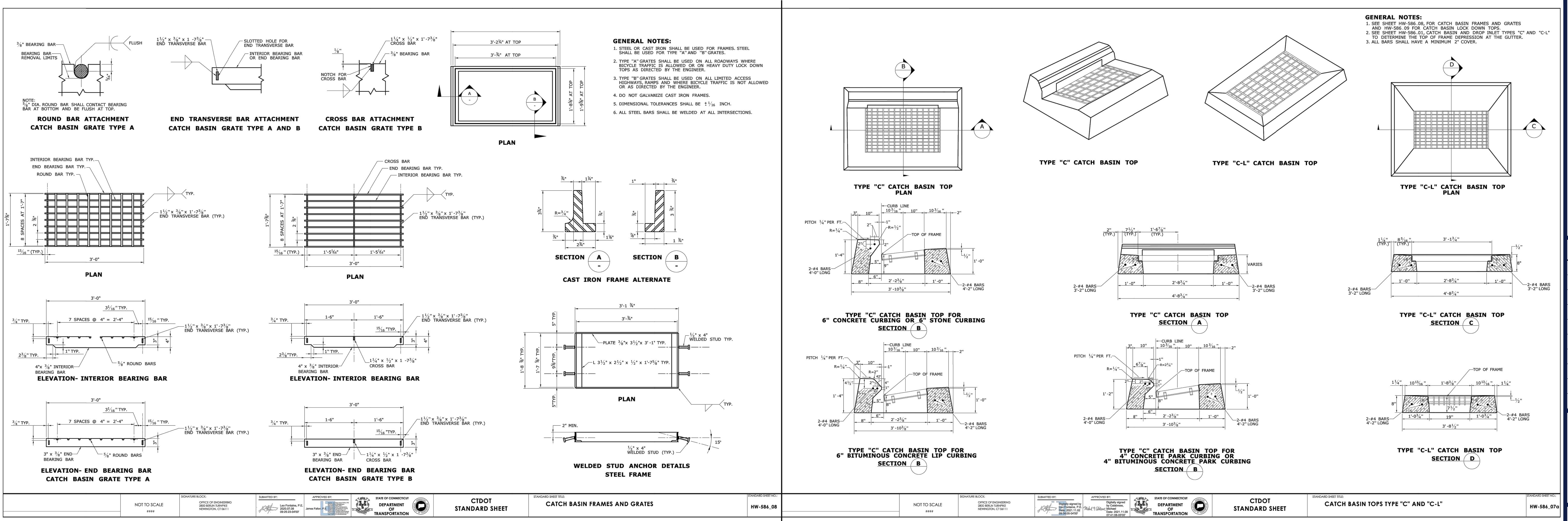
NOT TO SCALE (S-081)



1. THE SOIL MIX FOR BIORETENTION AREAS SHOULD BE A MIXTURE OF SAND COMPOST AND SOIL.
 1.1. 40% SAND
 1.2. 20-30% TOPSOIL, AND
 1.3. 30-40% COMPOST.
2. THE SOIL MIX MUST BE UNIFORM, FREE OF STONES, STUMPS, ROOTS OR SIMILAR OBJECTS LARGER THAN 2 INCHES. CLAY CONTENT SHOULD NOT EXCEED 5%.
3. SOIL SHOULD GENERALLY BE BETWEEN 5.5-6.5, A RANGE THAT IS OPTIMAL FOR MICROBIAL ACTIVITY AND ADSORPTION OF NITROGEN, PHOSPHORUS, AND OTHER POLLUTANTS.
4. USE SOILS WITH 1.5% TO 3% ORGANIC CONTENT AND MAXIMUM 500-PPM SOLUBLE SALTS.
5. THE SAND COMPONENT SHOULD BE GRAVELY SAND THAT MEETS ASTM D-422.
 SIEVE SIZE PERCENT PASSING
 2-INCH 100
 3-INCH 70-80
 1/2-INCH 50-80
 U.S. NO. 40 15-40
 U.S. NO. 200 0-4
6. THE TOPSOIL COMPONENT SHALL BE SANDY LOAM OR LOAMY SAND.
7. THE COMPOST COMPONENT MUST BE PROCESSED FROM YARD WASTE IN ACCORDANCE WITH CTDEP GUIDELINES. THE COMPOST SHALL NOT CONTAIN BIOSOLIDS.
8. ON-SITE SOIL MIXING OR PLACEMENT IS NOT ALLOWED IF SOIL IS SATURATED OR SUBJECT TO WATER WITHIN 48 HOURS. COVER AND STORE SOIL TO PREVENT WETTING OR SATURATION.
9. TEST SOIL FOR LEAD AND ANY MICRO-NUTRIENTS AND, ONLY IF NECESSARY, AMEND MIXTURE TO CREATE OPTIMUM CONDITIONS FOR PLANT GROWTH AND EARTHQUAKE RESISTANCE.
10. GRADE THE AREA TO ALLOW A PONDING DEPTH OF 6 TO 8 INCHES; DEPENDING ON SITE CONDITIONS, MORE OR LESS PONDING MAY BE APPROPRIATE. SEE GRADING AND DRAINAGE PLAN.
11. COVER THE SOIL WITH 3 INCHES OF FINE-SHREDDED HARDWOOD MULCH.
12. REFER TO LANDSCAPING PLAN FOR PLANTING. INVASIVE AND EXOTIC SPECIES ARE PROHIBITED. THE PLANTING PLAN SHOULD ALSO MEET ANY LOCAL, STATE, AND FEDERAL PLANTING REQUIREMENTS.
13. DURING CONSTRUCTION, AVOID EXCESSIVELY TRAMPING SOIL AROUND THE BIORETENTION AREAS AND ACCUMULATING SILT AROUND THE DRAIN FIELD TO MINIMIZE SEDIMENT LOADS IN THE TREATMENT AREA. DIRECT RUNOFF TO THE BIORETENTION AREA ONLY FROM AREAS THAT ARE STABILIZED. ALWAYS DIVERT CONSTRUCTION RUNOFF ELSEWHERE.
14. TO AVOID COMPACTION OF THE PARENT MATERIAL, WORK FROM THE EDGE OF THE AREA PROPOSED AS THE LOCATION OF AN EXFILTRATION BIORETENTION CELL. NEVER DIRECT RUNOFF TO THE CELL UNTIL THE CELL AND THE CONTRIBUTING DRAINAGE AREAS ARE FULLY STABILIZED.
15. PLACE PLANTING SOLS IN 1-FOOT TO 2-FOOT LIFTS AND COMPACT THEM WITH MINIMAL PRESSURE UNTIL THE DESIRED ELEVATION IS REACHED. SOME ENGINEERS SUGGEST FLOODING THE CELL BETWEEN EACH LIFT PLACEMENT IN LIEU OF COMPACTION.

RAIN GARDEN

NOT TO SCALE



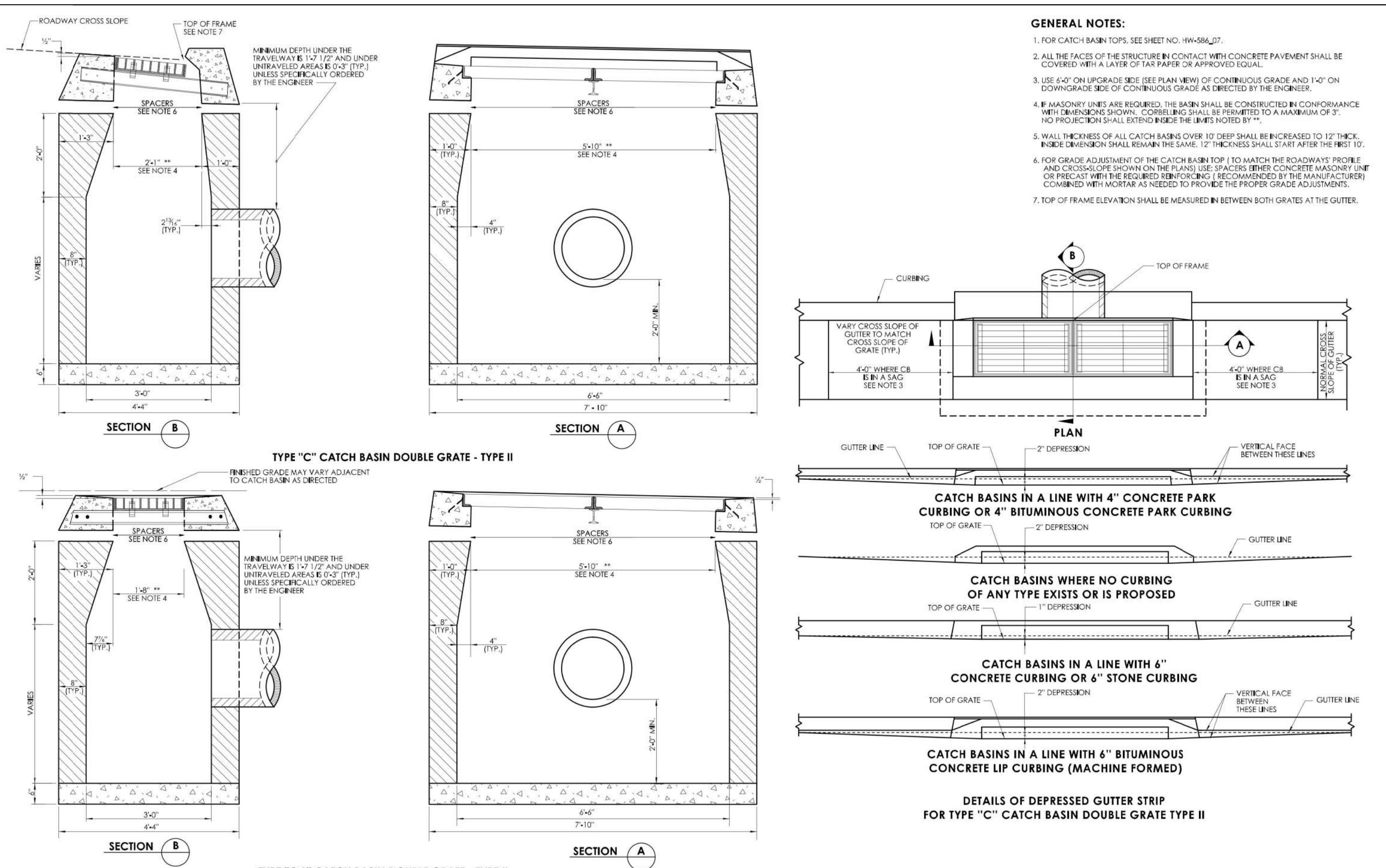
NOT TO SCALE	SIGNATURE BLOCK	OFFICE OF ENGINEERING 200 BIRCH TURNPIKE NEWINGTON, CT 06151	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CATCH BASIN FRAMES AND GRATES	STANDARD SHEET NO: HW-586_08
NOT TO SCALE	SIGNATURE BLOCK	Lee Fornella, P.E. James Fornella, P.E. 05/25/2025	APPROVED BY: Lee Fornella, P.E. James Fornella, P.E. 05/25/2025	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CATCH BASIN TOPS TYPE "C" AND "C-L"	STANDARD SHEET NO: HW-586_07a	

CTDOT CATCH BASIN FRAMES AND GRATES DETAIL

NOT TO SCALE (S-081)

CTDOT CATCH BASIN TOPS TYPE 'C' AND 'C-L'

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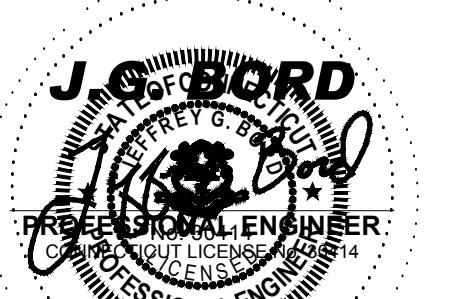


NOT TO SCALE	SIGNATURE BLOCK	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CATCH BASIN (TYPES "C" AND "C-L") FOR DOUBLE GRATE TYPE II STRUCTURES	STANDARD SHEET NO: HW- 586_03
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CTDOT CATCH BASIN TYPE 'C' AND 'C-L' TYPE II

NOT TO SCALE (S-081)

BOHLER
66 LaSALLE ROAD, SUITE 401
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DETAIL SHEET

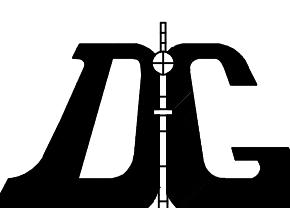
SHEET NUMBER:
C-905

REVISION 1 - 05/20/2025



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