TAMARACKAVENUE

EVERGREEN WALK · SOUTH WINDSOR · CONNECTICUT

EVERGREEN WALK, LLC

JANUARY 7, 2021

PREPARED FOR

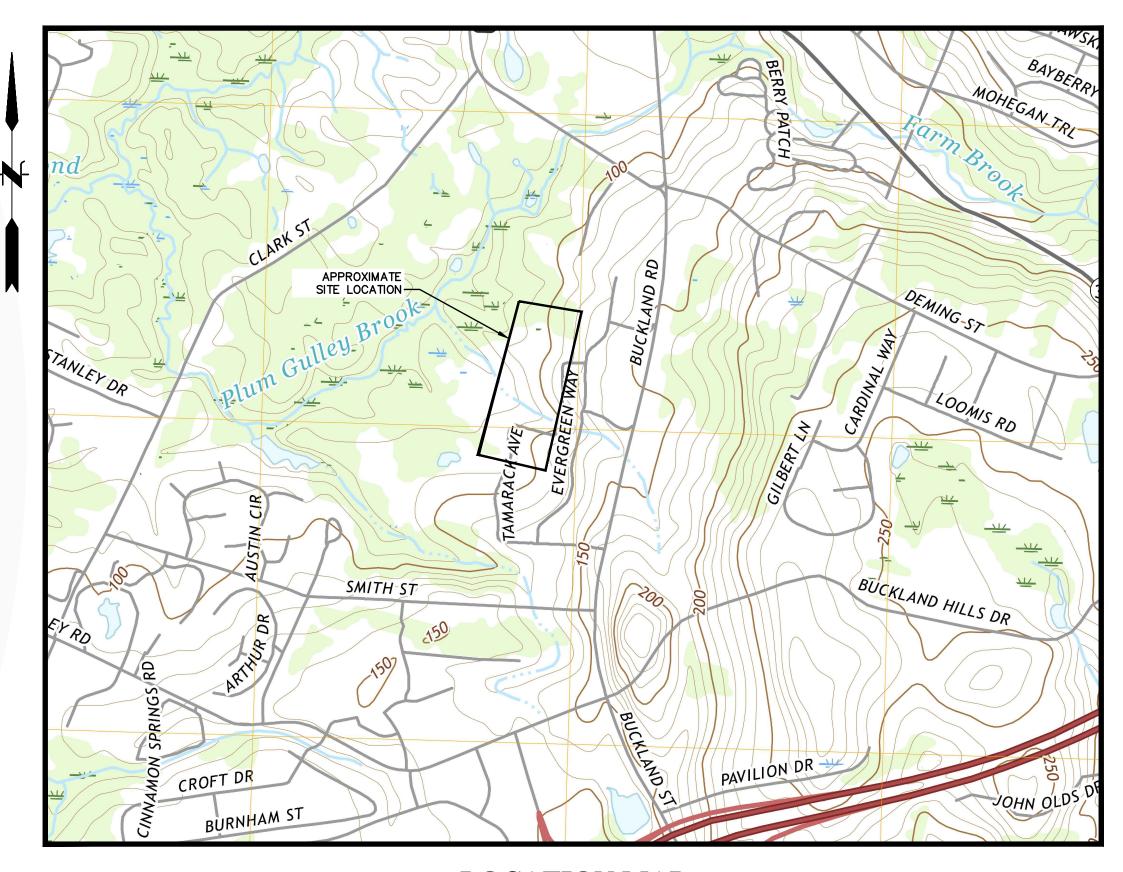
EVERGREEN WALK, LLC SOUTH WINDSOR

100 EVERGREEN WAY, SOUTH WINDSOR, CT 06074



SHEET INDEX

SHEET No. SHEET TITLE GI-001 **COVER SHEET** GI-002 GENERAL NOTES AREA PLAN GI-003 CP-101 SITE PREPARATION PLAN EROSION & SEDIMENT CONTROL PLAN CE-101 SITE PLAN CS-101 GRADING AND DRAINAGE PLAN CG-101 LP-101 LANDSCAPE PLAN CL-101 SITE LIGHTING PLAN WETLANDS ALTERATION PLAN CW-101 EROSION & SEDIMENT CONTROL DETAILS CD-501 SITE DETAILS CD-502-503 CD-504 STORMWATER MANAGEMENT DETAILS UTILITIES & LANDSCAPE DETAILS CD-505



LOCATION MAP

SCALE: 1" = 1000'

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PROJ. No.: 2000481.Y21

DATE: JANUARY 2021

GI-001

<u>GENERAL</u>

CIVIL GENERAL NOTES

- 1. SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SHOWN ON THE DRAWINGS TO SCALE OR TO THEIR ACTUAL DIMENSION OR LOCATION. COORDINATE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
- 2. DO NOT RELY SOLELY ON ELECTRONIC VERSIONS OF DRAWINGS, SPECIFICATIONS, AND DATA FILES THAT ARE PROVIDED BY THE ENGINEER. FIELD VERIFY LOCATION OF PROJECT FEATURES.
- 3. PERFORM NECESSARY CONSTRUCTION NOTIFICATIONS, APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK AS REQUIRED BY THE CONTRACT DOCUMENTS.
- 4. BASE PLAN: THE PROPERTY LINES SHOWN WERE DETERMINED BY AN ACTUAL FIELD SURVEY CONDUCTED BY FUSS & O'NEILL, AND FROM PLANS OF RECORD. THE TOPOGRAPHY AND PHYSICAL FEATURES ARE BASED ON A COMPILATION OF ACTUAL FIELD SURVEY PERFORMED ON THE GROUND BY FUSS & O'NEILL AND PLANS OF RECORD.
- 6. TOPOGRAPHIC ELEVATIONS ARE BASED ON NGVD 29 DATUM.
- 7. WETLANDS WERE DELINEATED BY FUSS & O'NEILL

WORK RESTRICTIONS

- 1. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, FIRE HYDRANTS, AND UTILITIES WITHOUT APPROPRIATE PERMITS.
- 2. WORK IS RESTRICTED TO THE HOURS OF TO THE HOURS 7AM TO 5PM ON MONDAY THROUGH SATURDAY.

REGULATORY REQUIREMENTS

- 1. WITHIN LOCAL RIGHTS-OF-WAY, PERFORM THE WORK IN ACCORDANCE WITH LOCAL MUNICIPAL STANDARDS.
- 2. WITHIN STATE RIGHTS-OF-WAY, PERFORM THE WORK IN ACCORDANCE WITH THE LATEST EDITION OF THE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS AND ISSUED REVISIONS/SUPPLEMENTS.
- 3. PROVIDE TRAFFIC SIGNAGE AND PAVEMENT MARKINGS IN CONFORMANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- 4. BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. PERFORM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
- 5. DISPOSE OF DEMOLITION DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND STATUTES.
- 6. THIS PROJECT DISTURBS MORE THAN ONE ACRE OF LAND AND FALLS WITHIN THE CONNECTICUT DEEP STORMWATER AND DEWATERING WASTEWATER CONSTRUCTION ACTIVITIES GENERAL PERMIT PROCESS. A COPY OF THIS GENERAL PERMIT SHALL BE KEPT ON SITE AT

EROSION AND SEDIMENT CONTROL

- 1. INSTALL EROSION CONTROL MEASURES PRIOR TO STARTING ANY WORK ON THE SITE. REFER TO THE EROSION AND SEDIMENT CONTROL DRAWINGS.
- 2. IMPLEMENT ALL NECESSARY MEASURES REQUIRED TO CONTROL STORMWATER RUNOFF, DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE. PERFORM CORRECTIVE ACTION AS NEEDED FOR EROSION CLEANUP AND REPAIRS TO OFF SITE AREAS, IF ANY, AT NO COST TO OWNER.
- 3. INSPECT AND MAINTAIN EROSION CONTROL MEASURES PER THE SCHEDULE IN THE EROSION AND SEDIMENT CONTROL DRAWINGS. DISPOSE OF SEDIMENT IN AN UPLAND AREA. DO NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.
- 4. PERFORM CONSTRUCTION SEQUENCING IN SUCH A MANNER TO CONTROL EROSION AND TO MINIMIZE THE TIME THAT EARTH MATERIALS ARE EXPOSED BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED.
- 5. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, REMOVE AND DISPOSE OF TEMPORARY EROSION CONTROL MEASURES. CLEAN SEDIMENT AND DEBRIS FROM TEMPORARY MEASURES AND FROM PERMANENT STORM DRAIN AND SANITARY SEWER SYSTEMS.

DEMOLITION

1. THE DEMOLITION PLAN IS PROVIDED FOR INFORMATION ONLY AND MAY NOT INDICATE ALL ITEMS REQUIRED TO BE DEMOLISHED. PERFORM A PRE-BID SITE INSPECTION. COORDINATE DEMOLITION OF UNIDENTIFIED UTILITIES OR STRUCTURES WITH OWNER. DEMOLISH STRUCTURES, SITE IMPROVEMENTS, UTILITIES, ETC. AS REQUIRED TO CONSTRUCT PROPOSED TO CONSTRUCT PROPOSED FACILITY AND UTILITY SERVICES.

CONSTRUCTION LAYOUT

- 1. PROVIDE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED SITE IMPROVEMENTS. FIELD VERIFY EXISTING PAVEMENT AND GROUND ELEVATIONS AT THE INTERFACE WITH PROPOSED PAVEMENTS AND DRAINAGE STRUCTURES BEFORE START OF CONSTRUCTION.
- 2. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, FIELD VERIFY PROPOSED UTILITY ROUTES AND IDENTIFY ANY INTERFERENCES OR OBSTRUCTIONS WITH EXISTING UTILITIES OR PUBLIC RIGHTS-OF-WAY.
- 3. IMMEDIATELY INFORM THE ENGINEER IN WRITING IF EXISTING UTILITY CONDITIONS CONFLICT OR DIFFER FROM THAT INDICATED AND IF THE WORK CANNOT BE COMPLETED AS INDICATED.
- 4. DIMENSIONS ARE FROM FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKINGS, UNLESS NOTED OTHERWISE.
- 5. BOUNDS OR MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LICENSED SURVEYOR.

<u>EARTHWORK</u>

- 1. NOTIFY UTILITY LOCATOR SERVICE AT LEAST 72 HOURS BEFORE STARTING EXCAVATION. "CALL BEFORE YOU DIG" AT 1-800-922-4455.
- 2. STOP WORK IN THE VICINITY OF SUSPECTED CONTAMINATED SOIL, GROUNDWATER OR OTHER MEDIA. IMMEDIATELY NOTIFY THE OWNER SO THAT APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN. RESUME WORK IN THE IMMEDIATE VICINITY ONLY UPON DIRECTION BY THE OWNER.

<u>UTILITIES</u>

- 1. TERMINATE EXISTING UTILITIES IN CONFORMANCE WITH LOCAL, STATE AND INDIVIDUAL UTILITY COMPANY STANDARD SPECIFICATIONS AND DETAILS. COORDINATE UTILITY SERVICE DISCONNECTS WITH UTILITY REPRESENTATIVES.
- 2. THE TYPE, SIZE AND LOCATION OF DEPICTED UNDERGROUND UTILITIES ARE APPROXIMATE REPRESENTATIONS OF INFORMATION OBTAINED FROM FIELD LOCATIONS OF VISIBLE FEATURES, EXISTING MAPS AND PLANS OF RECORD, UTILITY MAPPING, AND OTHER SOURCES OF INFORMATION OBTAINED BY THE ENGINEER. ASSUME NO GUARANTEE AS TO THE COMPLETENESS, SERVICEABILITY, EXISTENCE, OR ACCURACY OF UNDERGROUND FACILITIES. FIELD VERIFY THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES.
- 3. PAY ALL FEES AND COSTS ASSOCIATED WITH UTILITY MODIFICATIONS AND CONNECTIONS, REGARDLESS OF THE ENTITY THAT PERFORMS THE WORK.
- 4. COORDINATE THE WORK AND WORK SCHEDULE WITH UTILITY COMPANIES. PROVIDE ADEQUATE NOTICE TO UTILITIES TO PREVENT DELAYS IN CONSTRUCTION.
- 5. INTERIOR DIAMETERS OF STORM DRAIN AND SANITARY SEWER STRUCTURES SHALL BE DETERMINED BY THE PRECAST MANUFACTURER, BASED ON THE INDICATED PIPE SYSTEM LAYOUT AND LOCAL MUNICIPAL STANDARDS.

MINIMUM INTERIOR DIAMETERS:

O TO 20 FEET DEEP; 4 FEET. 20 FEET OR GREATER; 5 FEET.

- 5. RIM ELEVATIONS FOR MANHOLES, VALVE COVERS, GATE AND PULL BOXES, AND OTHER STRUCTURES ARE APPROXIMATE. SET OR RESET RIM ELEVATIONS AS FOLLOWS:
 - IN PAVEMENTS AND CONCRETE SURFACES: FLUSH
 - IN SURFACES ALONG ACCESSIBLE ROUTES: FLUSH IN LANDSCAPE, SEEDED, AND OTHER EARTH SURFACE AREAS:
 - 1 INCH ABOVE SURROUNDING AREA: TAPER EARTH TO RIM ELEVATION.
- 6. INSTALL PROPOSED PRIVATE UTILITY SERVICES ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY THE AUTHORITY HAVING JURISDICTION (WATER, SEWER, GAS, TELEPHONE, ELECTRIC, FIRE ALARM, ETC.). COORDINATE FINAL DESIGN LOADS AND LOCATIONS WITH OWNER AND ARCHITECT.

SITE RESTORATION

- 1. PROVIDE 6 INCHES OF TOPSOIL AND SEED TO AREAS DISTURBED DURING CONSTRUCTION AND NOT DESIGNATED TO BE RESTORED WITH IMPERVIOUS SURFACES (PAVEMENTS, WALKS, ETC.) UNLESS OTHERWISE NOTED.
- 2. REPAIR DAMAGES RESULTING FROM CONSTRUCTION LOADS, AT NO ADDITIONAL COST TO
- 3. RESTORE AREAS DISTURBED BY CONSTRUCTION OPERATIONS TO THEIR ORIGINAL CONDITION OR BETTER, AT NO ADDITIONAL COST TO OWNER.

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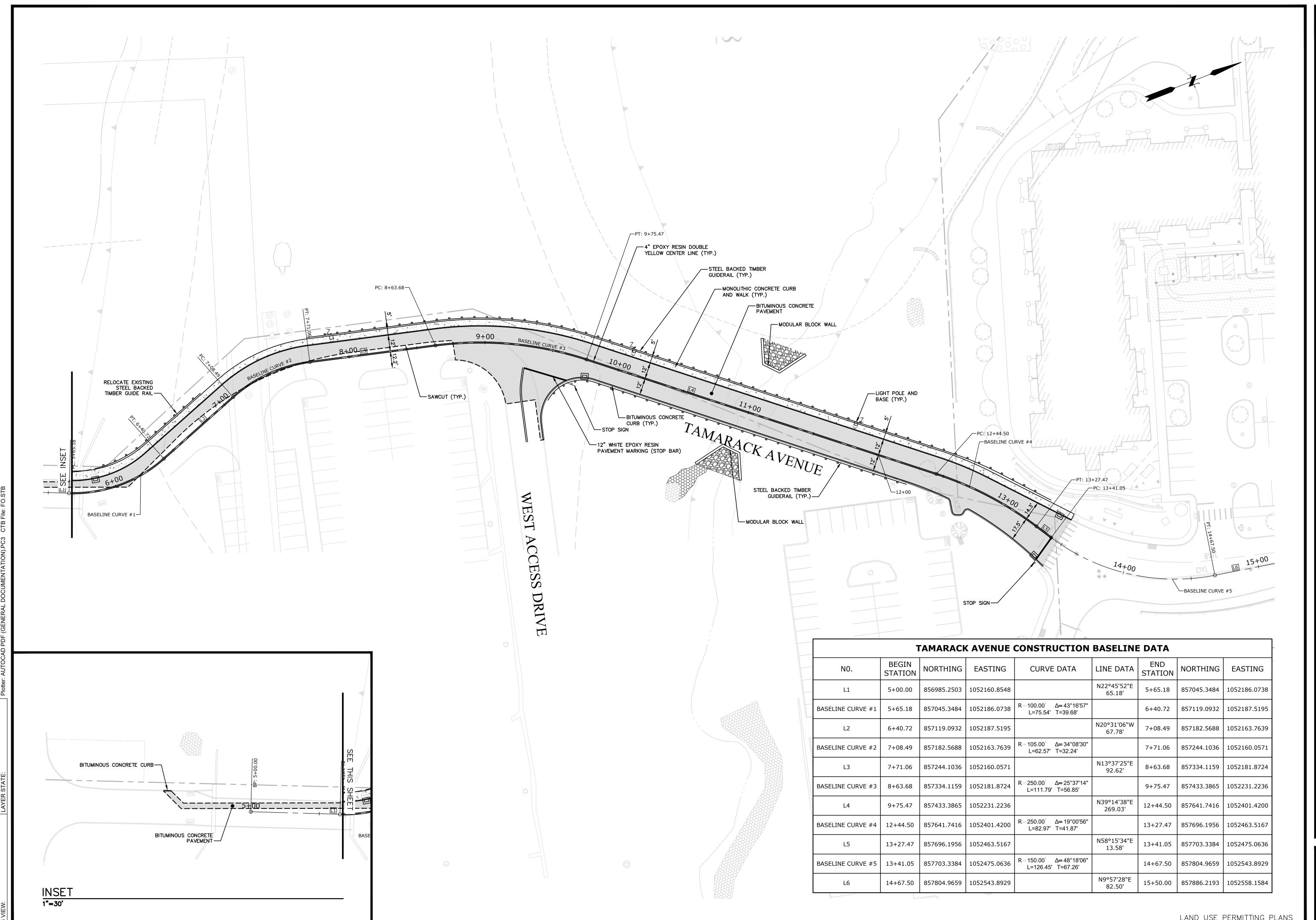
GI-002



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METTLE



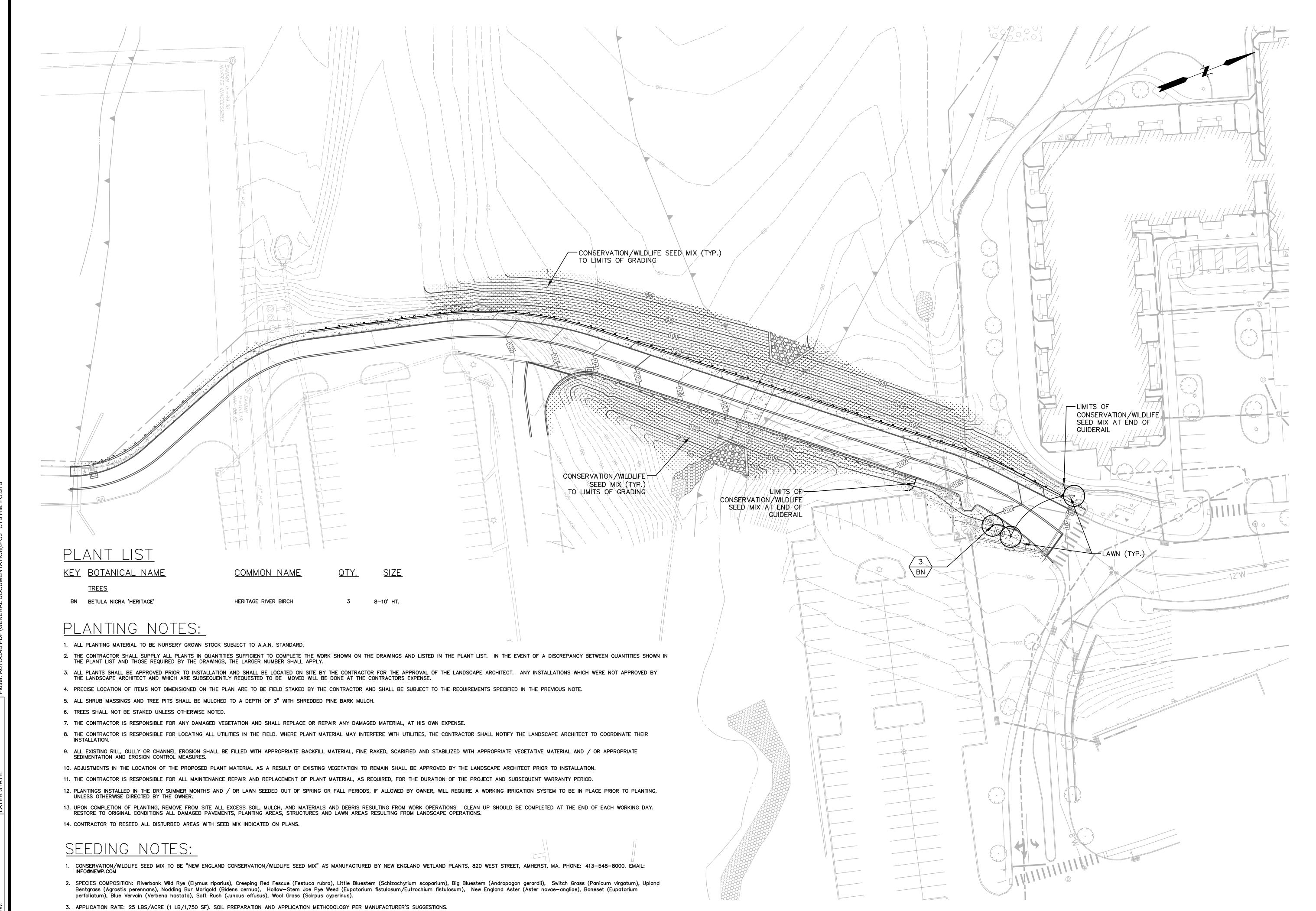
LAND USE PERMITTING PLANS

FUSS

HEILL

PROJ. No.: 2000481.Y21 DATE: 01/07/2021

CG-101



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K, LLC

EVERGREEN WALK, LLC LANDSCAPE PLAN EN WALK PLANNED COM

LANDS
EVERGREEN WALK

PROJ. No.: 2000481.Y21
DATE: 01/07/2021

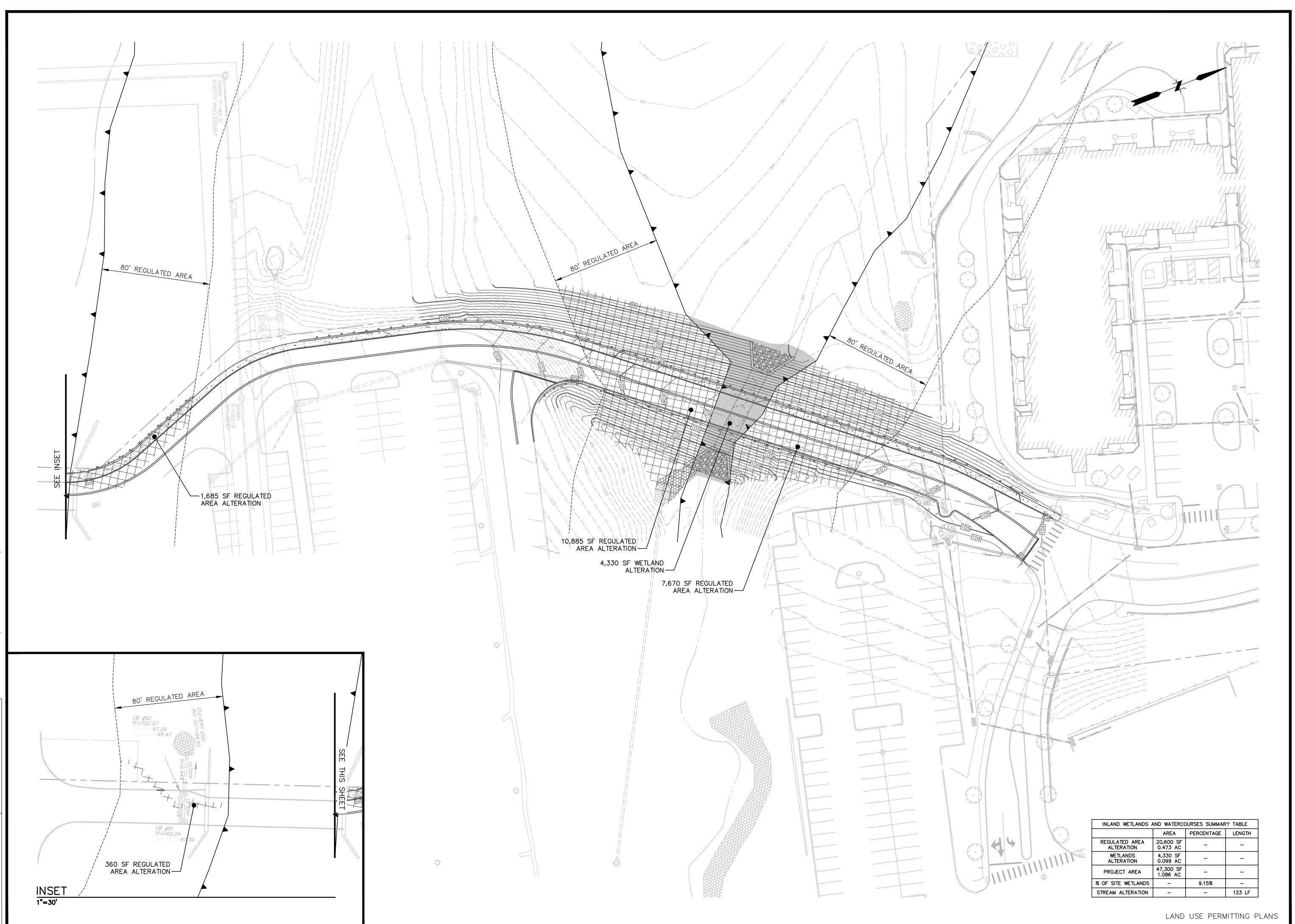
LAND USE PERMITTING PLANS

FUSS & O'NEILL

146 HARTFORD ROAD

MANCHESTER, CONNECTICUT 06040

CL-101



EVERGREEN WALK, LLC

WETLANDS ALTERATION PLAN

EVERGREEN WALK PLANNED COMMUNITY

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CW-101

1. CONSTRUCTION STANDARDS - CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE MOST RECENT EDITION OF THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (CT DEP BULLETIN 34). ALL MEASURES SHALL BE MAINTAINED AND UPGRADED TO ACHIEVE PROPER SEDIMENT CONTROL DÚRING

2. PLAN IMPLEMENTATION — IMPLEMENT THIS EROSION AND SEDIMENT CONTROL PLAN. THIS IMPLEMENTATION INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES UNTIL PERMANENT STABILIZATION IS ACHIEVED, INFORMING ALL SUBCONTRACTORS OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND NOTIFYING THE PROPER MUNICIPAL AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY. THE OWNER SHALL BE RESPONSIBLE FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN TO THE NEW OWNER IF THE TITLE OF THE LAND IS TRANSFERRED PRIOR TO ACHIEVING PERMANENT STABILIZATION.

3. INSTALLATION SCHEDULE - INSTALL THE CONSTRUCTION ENTRANCE BEFORE CONSTRUCTION TRAFFIC INTO AND OUT OF THE PROJECT AREA BEGINS. INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO STUMP REMOVAL AND CONSTRUCTION. INSTALL ADDITIONAL CONTROL MEASURES DURING THE CONSTRUCTION PERIOD, IF DEEMED NECESSARY BY THE OWNER, HIS AGENTS OR AGENTS OF THE

4. FUGITIVE DUST - CONTROL FUGITIVE DUST USING WATER SPRAYS OR CALCIUM CHLORIDE ON SOIL SURFACES, SWEEPING PAVED AREAS, TEMPORARY WINDBREAKS OR NON-ASPHALTIC SOIL TACKIFIERS.

5. STRAW BALE LIFE SPAN - INSTALL STRAW BALES WHERE PROTECTION AND EFFECTIVENESS IS REQUIRED FOR LESS THAN 90 DAYS. OTHERWISE, INSTALL SILT FENCE.

6. CATCH BASINS - PROTECT CATCH BASINS WITH PROPER CONTROLS THROUGHOUT THE CONSTRUCTION PERIOD UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.

7. STOCKPILES — ENCIRCLE STOCKPILES OF ERODIBLE SOIL WITH A STRAW BALE OR SILT FENCE BARRIER. THE SIDE SLOPES OF ERODIBLE STOCKPILED MATERIAL SHALL BE NO STEEPER THAN 2:1. STOCKPILES THAT ARE NOT TO BE USED WITHIN 30 DAYS SHALL BE SEEDED AND MULCHED IMMEDIATELY AFTER THEY ARE

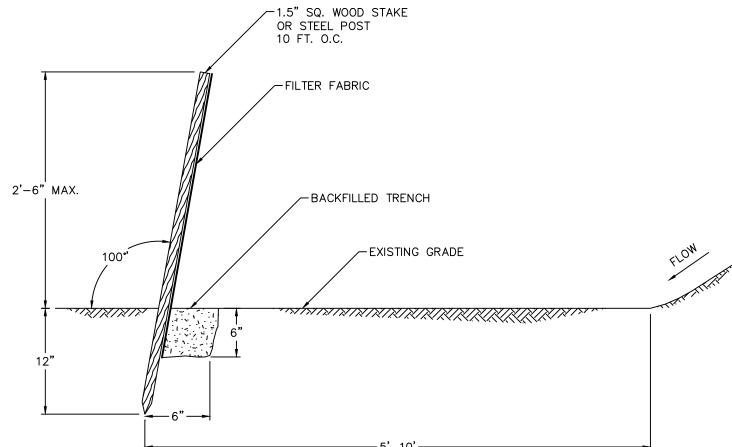
8. TOE OF SLOPE — ESTABLISH AN EROSION CONTROL BARRIER (SILT FENCE OR STRAW BALE BARRIER) APPROXIMATELY 5 TO 10 FEET FROM THE PROPOSED TOE OF THE CUT OR FILL AREA PRIOR TO BEGINNING EARTHWORK.

9. SEDIMENT REMOVAL - SEDIMENT REACHING 1/2 THE HEIGHT OF THE EROSION CONTROL BARRIER SHALL BE REMOVED. REMOVE AND DISPOSE OF SEDIMENT IN A MANNER CONSISTENT WITH THE INTENT OF THE PLAN. 10. SOIL STABILIZATION SCHEDULE - APPLY PERMANENT SOIL STABILIZATION MEASURES TO ALL GRADED AREAS WITHIN 7 DAYS OF ESTABLISHING FINAL GRADE. APPLY TEMPORARY SOIL STABILIZATION MEASURES IF FINAL GRADING IS TO BE DELAYED MORE THAN 30 DAYS.

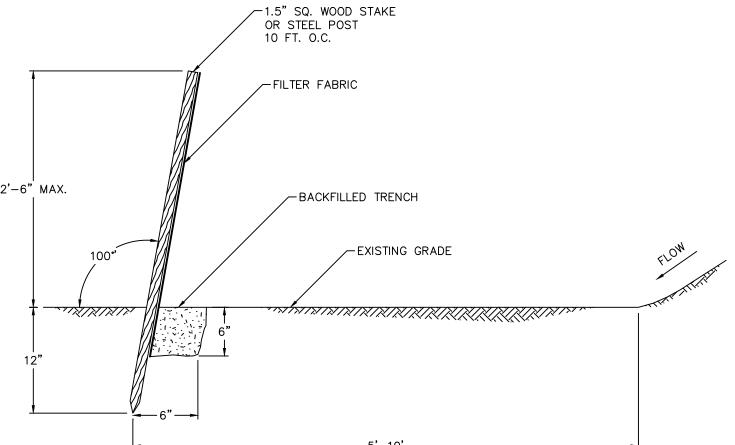
11. TEMPORARY SEEDING - TEMPORARILY SEED ERODIBLE SOILS THAT WILL BE EXPOSED GREATER THAN 1 BUT LESS THAN 12 MONTHS WITHIN THE FIRST 7 DAYS OF SUSPENDING GRADING OPERATIONS. APPLY LIME AT A RATE OF 90 LBS/1000 SQ. FT. APPLY 10-10-10 FERTILIZER AT A RATE OF 7 1/2 LBS/1000 SQ. FT. APPLY PERENNIAL RYE GRASS AT A RATE OF 2 LBS/1000 SQ. FT. TO A DEPTH OF 1/2 INCH. OPTIMUM SEEDING DATES ARE MARCH 15 TO JULY 1 AND AUGUST 1 TO OCTOBER 15. MULCH FOR SEED APPLIED WITHIN THE OPTIMUM SEEDING DATES SHALL BE APPLIED EVENLY SUCH THAT IT PROVIDES 80%-95% SOIL COVERAGE. MULCH FOR SEED APPLIED OUTSIDE OF THE OPTIMUM SEEDING DATES SHALL BE APPLIED EVENLY SUCH THAT IT PROVIDES 95%-100% COVERAGE.

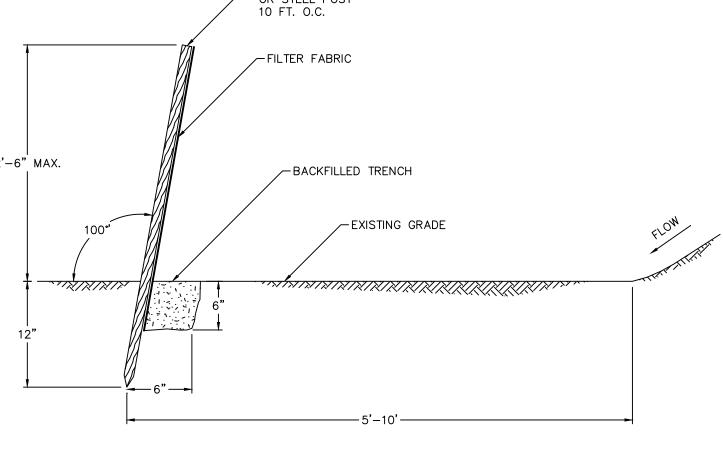
12. PERMANENT SEEDING - SEED PERMANENT LAWN AREAS IN ACCORDANCE WITH THE SPECIFICATIONS.

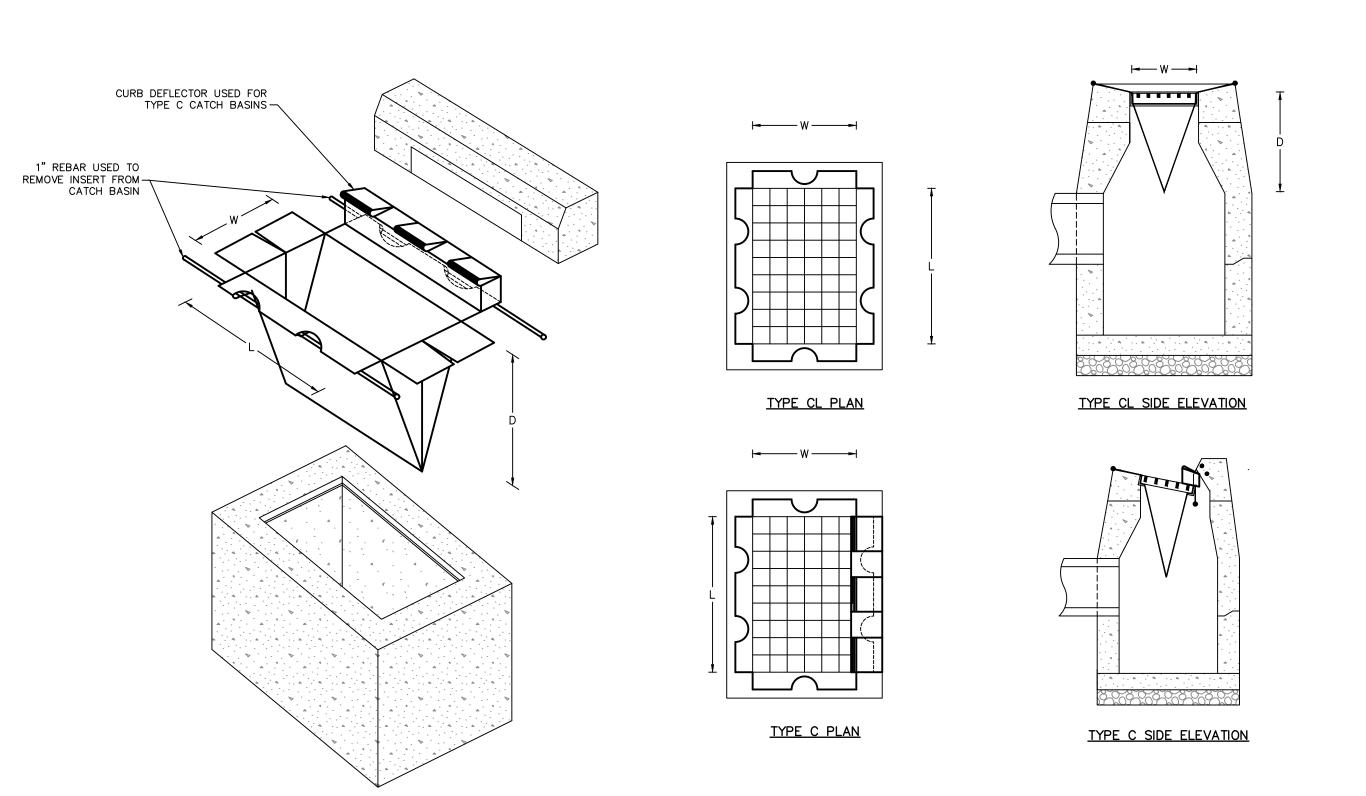
13. INSPECTION - THE OWNER SHALL SECURE THE SERVICES OF A SOIL SCIENTIST OR PROFESSIONAL ENGINEER TO VERIFY IN THE FIELD THAT THE CONTROLS REQUIRED BY THIS PLAN ARE PROPERLY INSTALLED AND MAINTAINED. THESE INSPECTIONS SHALL BE NOT LESS FREQUENTLY THAN WEEKLY AND WITHIN 24 HOURS OF THE END OF A STORM HAVING A RAINFALL AMOUNT OF 0.1 INCH OR GREATER. FOLLOWING THESE INSPECTIONS, A WRITTEN REPORT SHALL BE PREPARED, INFORMING THE OWNER OR HIS AGENT NOT LESS FREQUENTLY THAN WEEKLY AND THE MUNICIPALITY NOT LESS FREQUENTLY THAN MONTHLY OF OBSERVATIONS, MAINTENANCE, AND CORRECTIVE ACTIVITIES UNDERTAKEN.



EROSION CONTROL MAT NOT TO SCALE





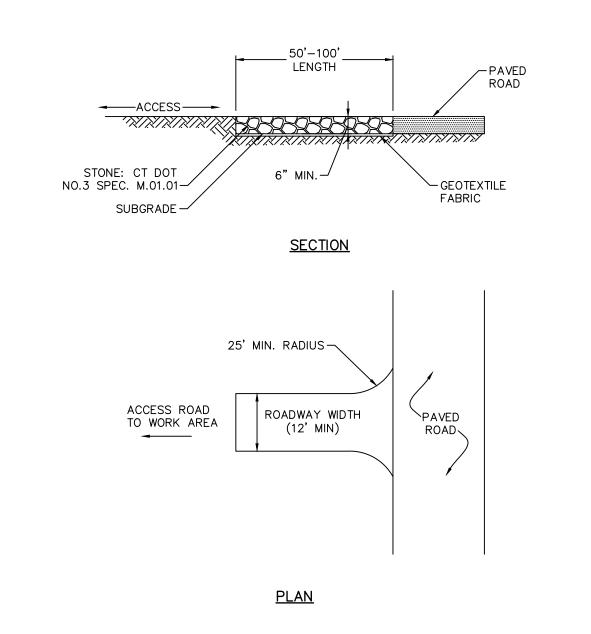


CATCH BASIN INSERT

NOT TO SCALE

SILT FENCE

NOT TO SCALE



EROSION MAT

<u>PLAN</u>

ELEVATION

MATS SHALL BE STAPLED TO SLOPE. REFER TO MANUFACTURERS

INSTALLATION INSTRUCTIONS FOR

DETAILS OF STAPLING PATTERN.

TOP OF SLOPE

— SUBJECT SLOPE

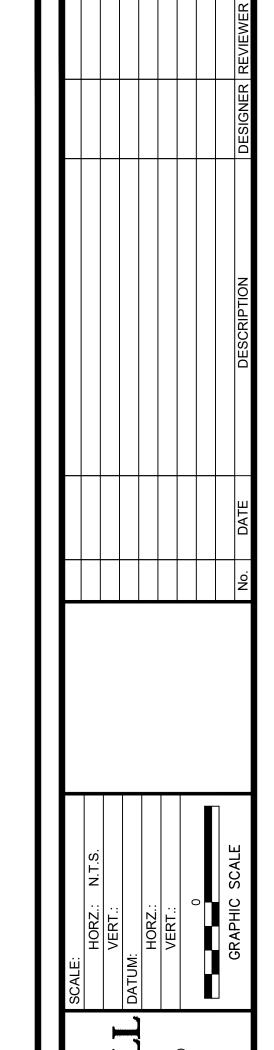
-EROSION MAT

—END OF MAT

AT TOE OF SLOPE

CONSTRUCTION ENTRANCE NOT TO SCALE

LAND USE PERMITTING PLANS



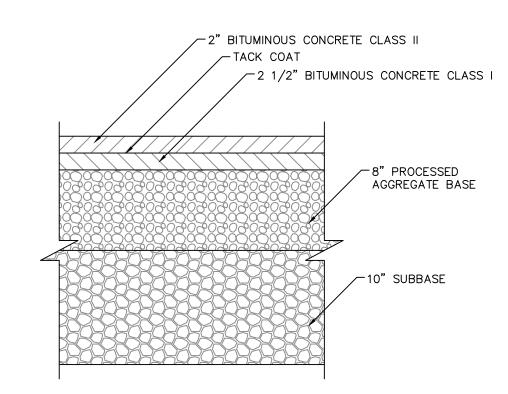


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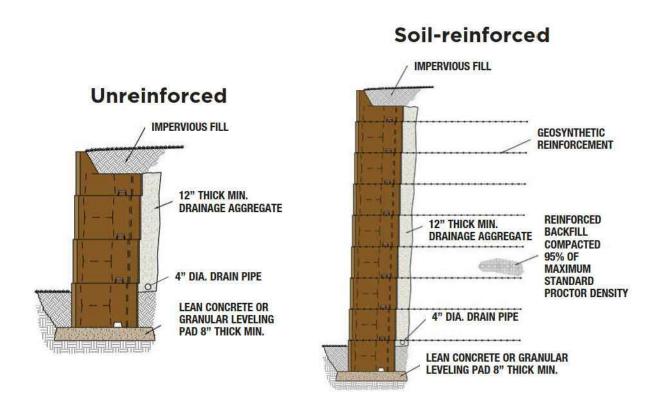
SIGN NOT TO SCALE

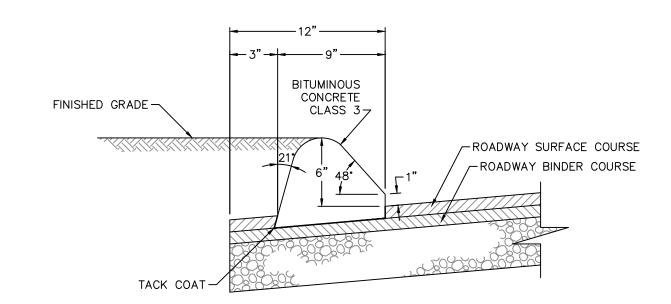


BITUMINOUS CONCRETE PAVEMENT NOT TO SCALE

VERSA-LOK BRONCO 30H RETAINING WALL SYSTEM







BITUMINOUS CONCRETE CURB NOT TO SCALE

VERSA-LOK BRONCO 30H RETAINING WALL UNITS



VARIES
SEE PLANS

1 1/2" R

6"

-3/8" TOOLED JOINT

2% MAX.

PROCESSED AGGREGATE BASE

4000 PSI CONCRETE

MONOLITHIC CONCRETE CURB AND WALK NOT TO SCALE

MODULAR BLOCK WALL NOT TO SCALE

EVERGREE

EVERGREE

EVERGREE

SITE DETAILS

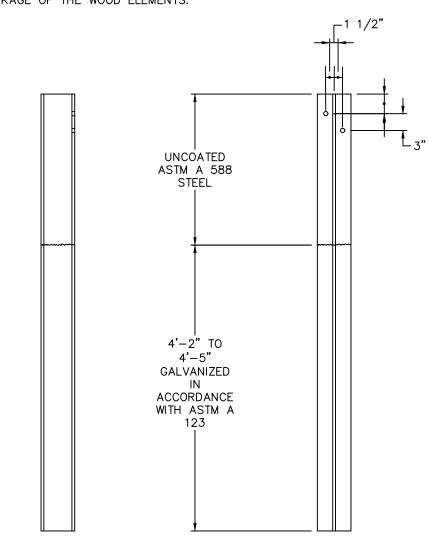
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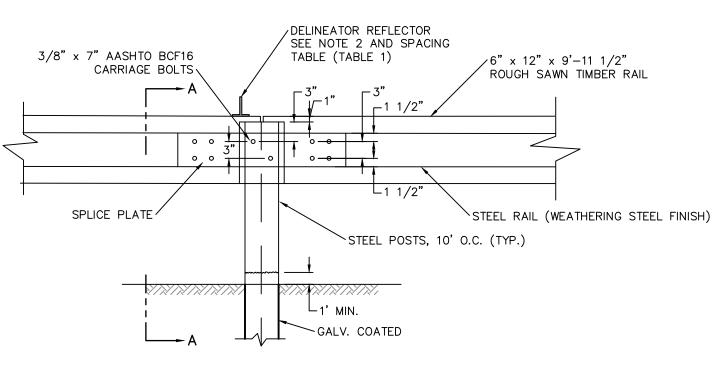
- 1. DELINEATOR REFLECTORS SHALL BE BROWN PLASTIC INVERTED T-SECTIONS CONFORMING TO DURAFLEX CORP. SLEXX 2020, OR APPROVED EQUAL. REFLECTIVE SHEETING SHALL BE SQUARE AND A MIN. OF 9 SQUARE INCHES, AND CONFORM TO SECTION M.18.09.

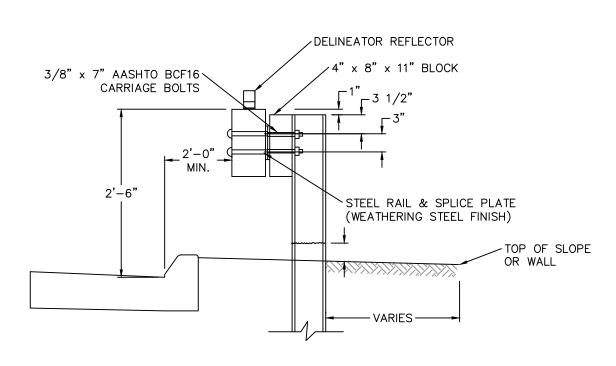
 DELINEATORS SHALL BE ATTACHED WITH FOUR (4) 1"-LONG, GALVANIZED WOOD SREWS. REFLECTORS SHALL BE SPACED IN ACCORDANCE WITH THE TABLE, AND POSITIONED PERPENDICULAR TO THE ADJACENT EDGE OF LANE. DO NOT ATTACH REFLECTORS ON FLAIR OR TERMINAL SECTIONS. REFLECTIVE SHEETING SHALL BE SILVER-WHITE ON ALL RAIL SECTIONS ADJACENT TO THE RIGHT SHOULDER, AND YELLOW ON RAIL SECTIONS ADJACENT TO THE LEFT SHOULDER OF TRAVEL LANES.
- 2. A 5/8" DIA. X 4" LAG SCREW AND WASHER SHALL BE INSTALLED IN PLACE OF THE 5/8" DIA. X 13" CARRIAGE BOLT IN THE ABSENCE OF ANY MID—RAIL POST CONNECTION.
- 3. ALL CONNECTION HARDWARE SHALL BE SUFFICIENTLY TIGHTENED TO ACCOMMODATE FOR SHRINKAGE OF THE WOOD ELEMENTS.



POST DETAIL

TABLE 2			
RADIUS R (ft)	B/2 (Degrees)	D (1 inches)	
35 min.	4.10	5/8"	
Over 70	Flat	0	





SECTION A-A

/13/16" DIA. HOLE (TYP.)

/6" x 12" x 9'-11 1/2" / ROUGH SAWN TIMBER RAIL

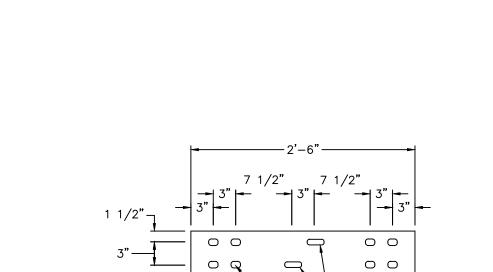
5/8" DIA. x 4" LAG SCREW PREDRILL 3/8" HOLES

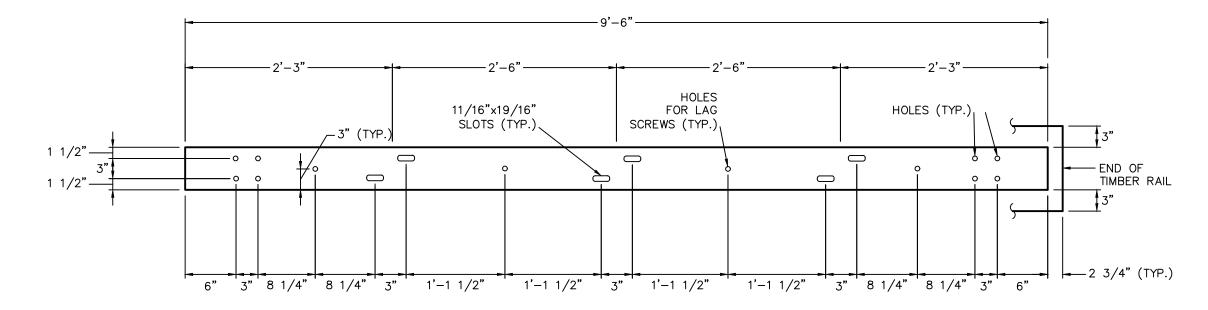
3" DEEP IN TIMBER (TYP.)

`4" x 8" x 11" WOOD BLOCKOUT

W 6 x 15 STEEL POST, 6'-6" LONG

POST CONNECTION ELEVATION





POST CONNECTION PLAN (DIMENSIONS ARE TYPICAL)

1/2"-|-8 3/4"---3

STEEL SPLICE PLATE DETAIL

 1 3/4"x2 1/4" BOLT SLOTS

7/8"x1 1/4" BOLT SLOTS(TYP)

STEEL RAIL DETAIL

STEEL BACKED TIMBER GUIDE RAIL NOT TO SCALE

6" x 3/8" x 9'-6" STEEL RAIL

6" x 3/8" x 2'-6" STEEL SPLICE PLATE

BOLT W/NUT & WASHER (TYP.)

3/4" x 8 1/2" AASHTO FBC20 CARRIAGE

5/8" x 7" AASHTO FBC16

CARRIAGE BOLT / W/NUT & WASHER (TYP.)

WEATHERING STEEL FINISH (TYP.)

WEATHERING STEEL FINISH (TYP)

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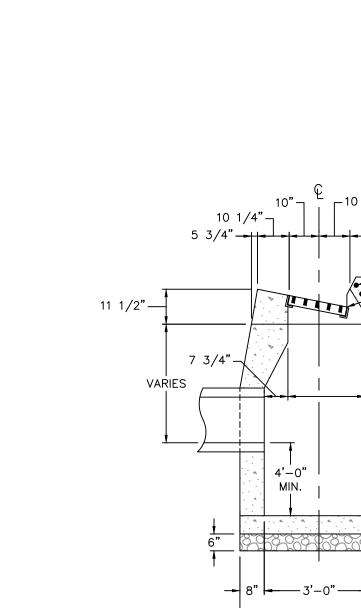
FUSS&O'I

SITE DETAILS

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- STEEL FRAME AND GRATE

-PRECAST CONCRETE UNIT

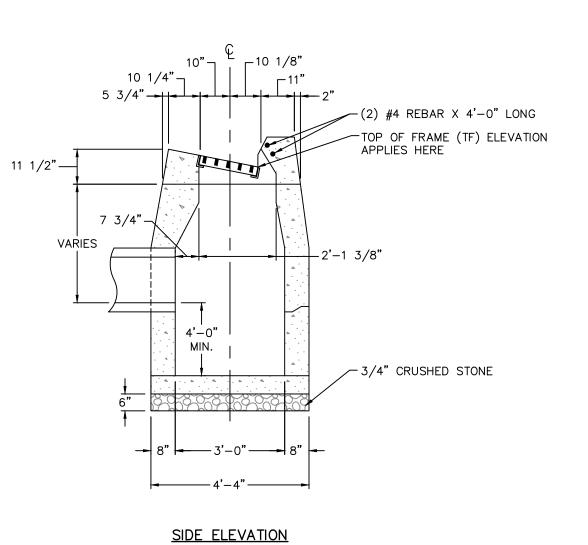
- PRECAST REINFORCED CONCRETE

— INCREASE WALL THICKNESS TO 12" FOR DEPTHS OF 10' OR GREATER.

-PRECAST SUMP

2'-8 3/4"

FRONT ELEVATION



STORM SEWER TRENCH NOT TO SCALE

Reinforced Concrete Boxes

Section thru Box Culvert

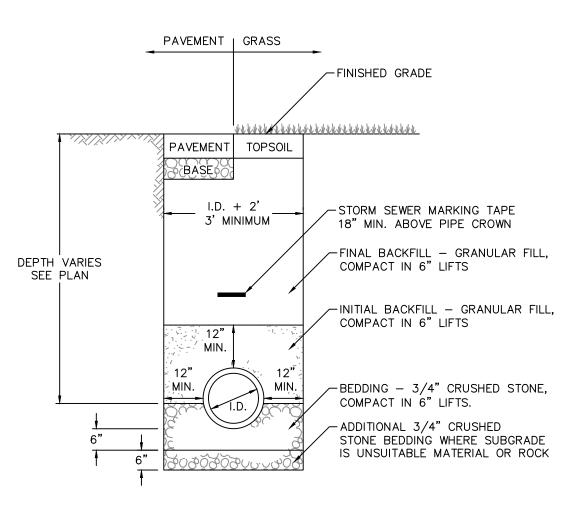
Section thru Box Joint

Standard UCP Box Culvert Weights Span (S) 3 4 5 6 7 8 9 10 11 12 3 | 1500 | 1800 | 2000 | 2200 | 2390 | 2590 | 2780 | 3810 | 4060 | 5330 | 2000 2200 2390 2600 2800 2990 4060 4300 5700 2400 2600 2800 3000 3190 4300 4550 5930 2800 2990 3200 3390 4550 4790 6300 3190 3400 3590 4790 5040 6520 3600 3790 5040 5290 6900 3990 5290 5530 7110 5530 5780 7500 6025 7700 8100 Wall (T) 8 8 8 8 8 8 10 10 12 Haunch (H) 9 9 9 9 9 9 9 9

Box Dimensions will vary depending upon Equipment availability Numbers in table are weights per foot.

- 1. Produced to current ASTM Specification and/or project specifications.
- This drawing is not intended to show reinforcement design either as to placement or steel area. Actual project specification or current ASTM specification will apply.
- 3. Contact a United Concrete representative for further details not listed on this drawing. 4. Custom sizes available upon request.

CONCRETE BOX CULVERT NOT TO SCALE



EVERGREEN WALK, LLC
STORMWATER MANAGEMENT
DETAILS

NEILL

PROJ. No.: 2000481.Y21 DATE: 01/07/2021

SEE SITE PLAN EDGE OF CURB, PAVEMENT, FENCING OR OTHER BOUNDARY AS SHOWN ON DRAWINGS. -GROUNDING ROD - REINFORCING BARS (TYP) 2 1/2" MIN. B 2 1/2" MIN FROM" TOP GRADE · LEVEL GROUNDING ROD REINFORCING BARS -

FIXTURE TYPE DIMENSION "A" | DIMENSION "B" | DIMENSION

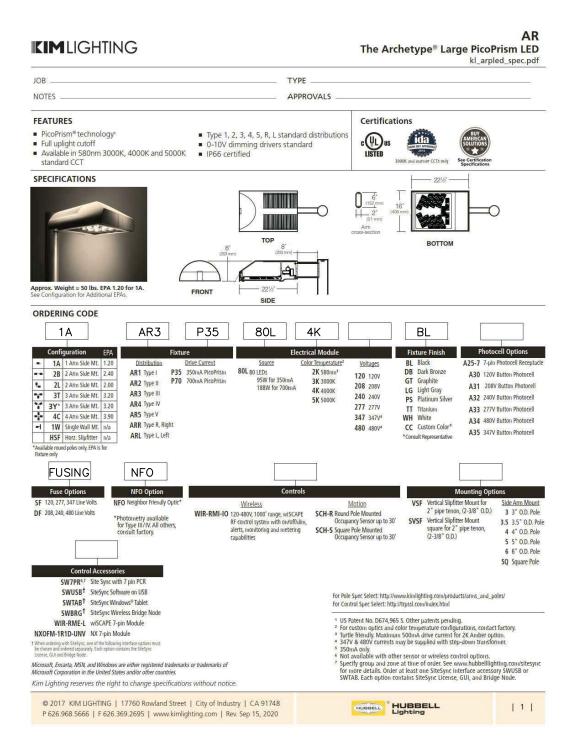
- 1. NUMBER, PATTERN AND SIZE OF ANCHOR BOLTS TO BE SPECIFIED BY LIGHTING POLE MANUFACTURER.
- 2. 4,000 PSI CONCRETE CURED FOR 7 DAYS PRIOR TO BACKFILL.

3. FORMS SHALL BE CUT AND REMOVED

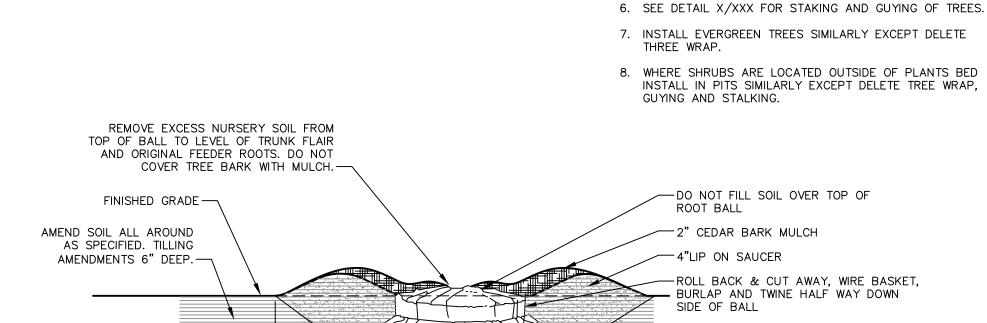
- DOWN 12" BELOW GRADE.
- 4. NO. 5 REINFORCING BARS, ASTM A 615, GRADE 60 WITH MINIMUM 2" COVER.
- 5. EACH LIGHTING POLE SHALL BE GROUNDED WITH 8' LONG 3/4" DIAMETER COPPER GROUNDING ROD AND #6 AWG BARE COPPER CONDUCTOR. TOP OF GROUNDING ROD SHALL BE 6" BELOW GRADE.

— W	1120 12 711 71111					
ANCHOR BOLTS						
ANOTHER BOLTS						
COLLADE DOLE DACE DIMENSIONS						
SQUARE POLE BASE DIMENSIONS						
DIMENSION "B"	DIMENSION "C"	DIMENSION "D"	DIMENSION "E"			
18"	24"	54"	6"			

POLE BASE DETAIL NOT TO SCALE



SITE LIGHTING FIXTURE DETAIL NOT TO SCALE



1. REPORT POORLY DRAINING SOIL CONDITIONS TO ARCHITECT FOR HIS DIRECTION PRIOR TO PREPARATION AND PLANTING.

2. NO STOCK WRAPPED AND TIED WITH PLASTIC, PRESERVED OR NON-BIODEGRADABLE MATERIALS IS TO BE INSTALLED ON THIS JOB. REMOVE SUCH MATERIALS COMPLETELY.

3. SCARIFY ROOTBALLS OF CONTAINER STOCK BEFORE

4. PRUNE AS SPECIFIED AND DIRECTED BY ARCHITECT.

-FERTILIZER POCKET AS SPECIFIED.

PLACE 6"-8" AWAY FROM AND BELOW SHOULDER OF BALL.

-SETTLED TOPSOIL. DISCARD EXIST.

-SOIL PAD. SET SHOULDER OF ROOTBALL FLUSH WITH LINE OF

-SCARIFY BOTTOM AND WALLS PIT

SURROUNDING FINISH GRADE.

5. APPLY BIOSTIMULANT, WATER, MULCH, WRAP AND GUY

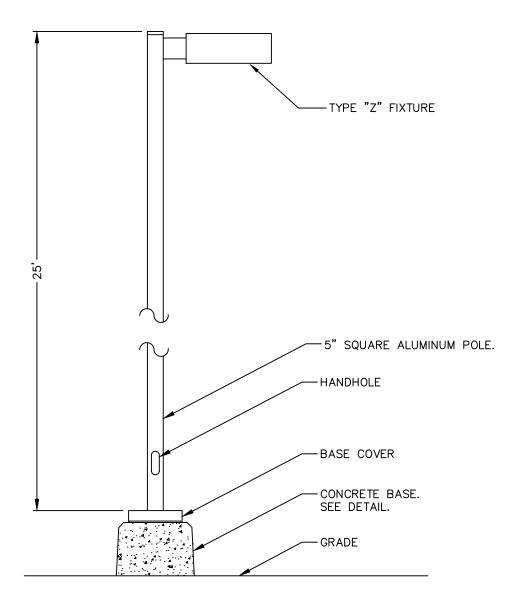
PLANTING.

WITHOUT DELAY.

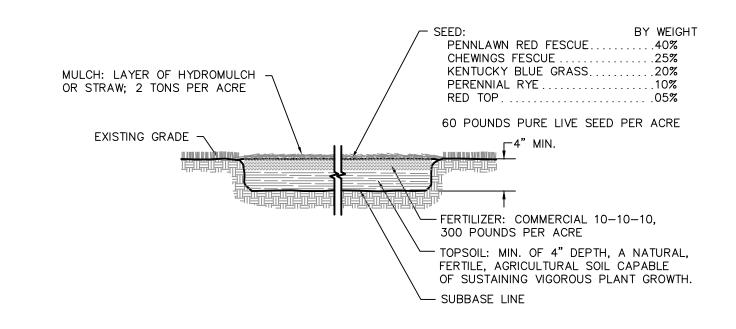
TYPICAL TREE PIT PLANTING NOT TO SCALE

3'-0"

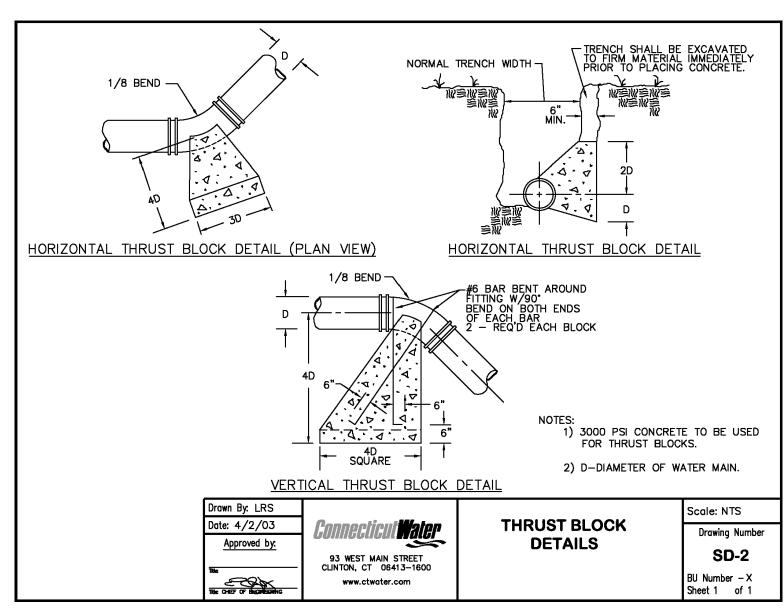
18"

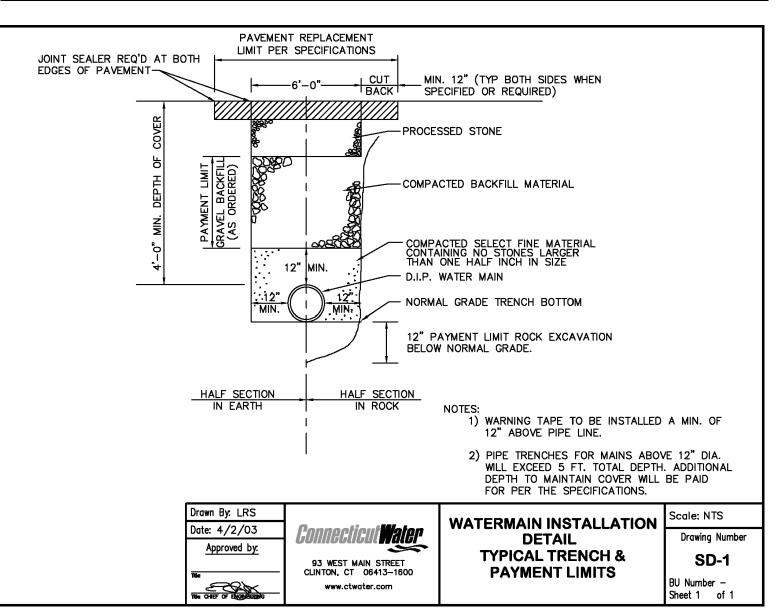


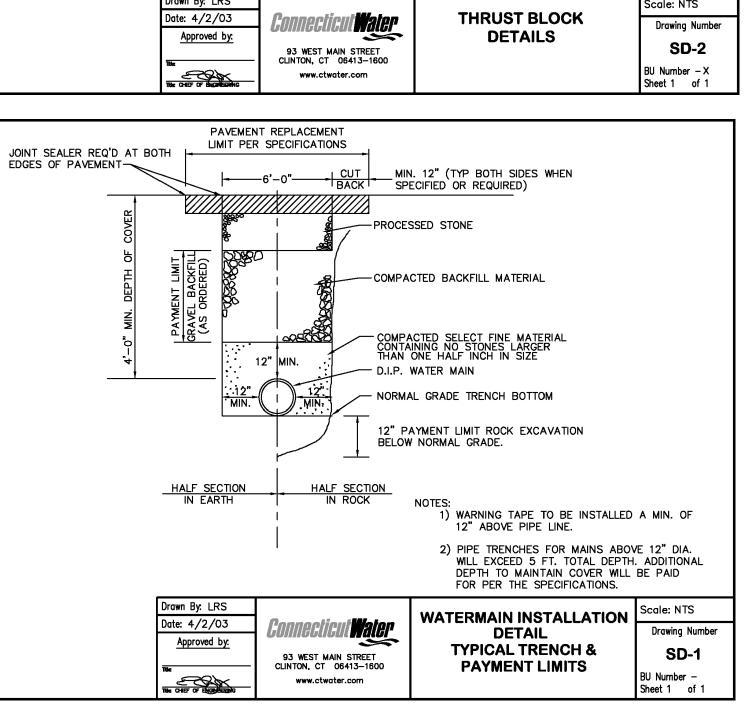
LIGHT POLE DETAIL NOT TO SCALE



TOPSOIL, FERTILIZER, SEED & MULCH NOT TO SCALE







LANDSCAPE 'ERGREEN

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PROJ. No.: 2000481.Y21 DATE: 01/07/2021

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