

SITE INFORMATION

TAX MAP DESIGNATION: CITY OF TORRINGTON MAP 117, BLOCK 15, LOT 1
PROPERTY OWNER: JAYSON HOSPITALITY LLC 440 BEDFORD STREET LEXINGTON, MA 02420
APPLICANT: ASHOK PATEL JAYSON HOSPITALITY LLC 440 BEDFORD STREET LEXINGTON, MA 02420 Ph # (781) 856-8206

STREET ADDRESS: 93 MAIN STREET / 30 MAIDEN LANE TORRINGTON, CONNECTICUT

USE: EXISTING: LODGING/RETAIL PROPOSED: NC

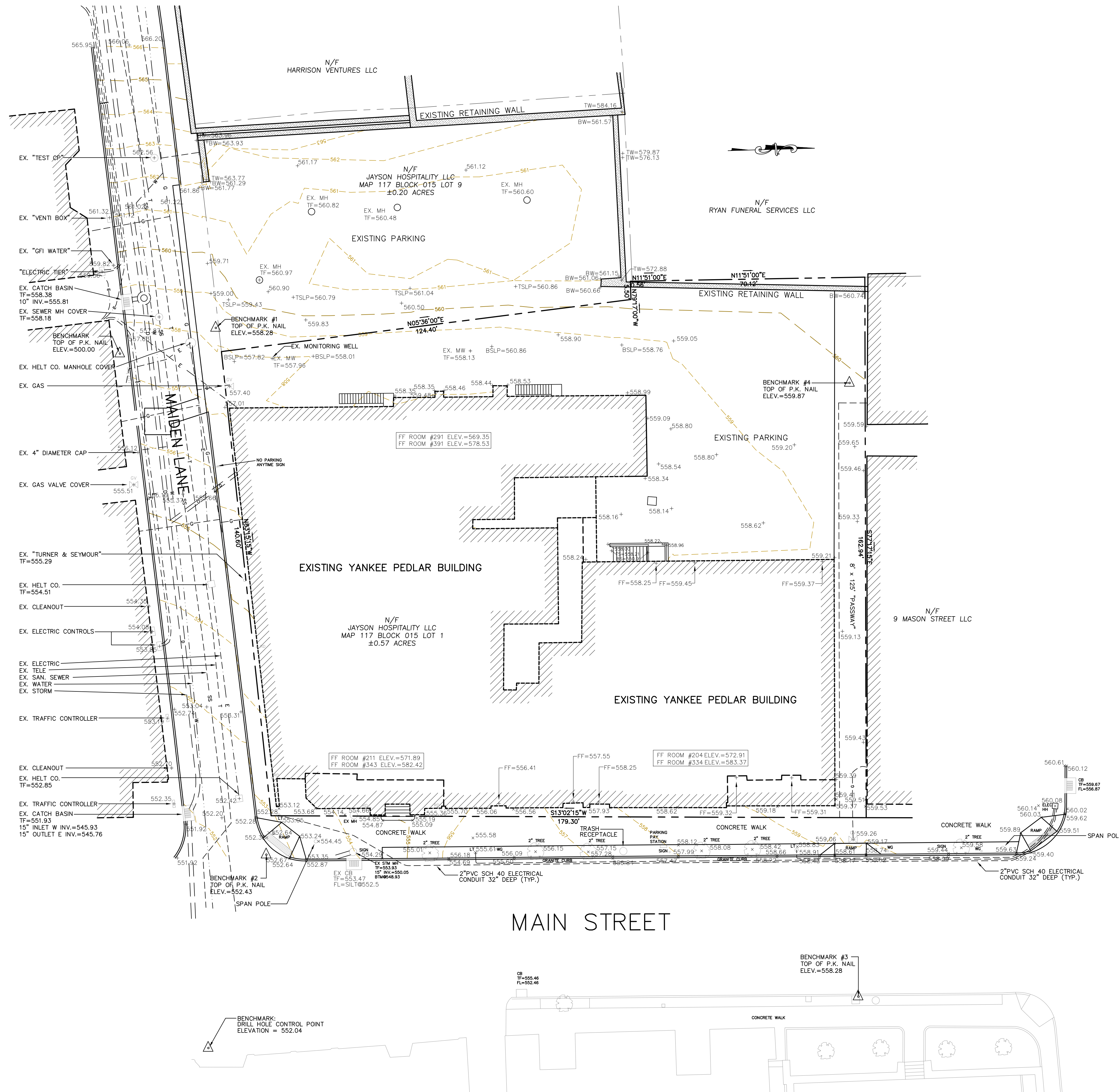
ZONED: DD - DOWNTOWN DISTRICT ZONE

ZONING DATA

DESIGNATION	EXISTING	PROPOSED	ALLOWED/REQUIRED
BUILDING AREA (LOT 1)	18,284 SF	18,151 SF	NR
BUILDING COVERAGE (LOT 1)	74%	73%	NR
PARKING (LOT 1)	7±	5 CARS	1.2 PER ROOM
PARKING (LOT 9)	19±	20 CARS	NR
LOT AREA (LOT 1)	24,829 SF	NC	NR
LOT FRONTAGE (LOT 1)	319.90'	NC	NR
LOT AREA (LOT 9)	8,712 SF	NC	NR
LOT FRONTAGE (LOT 9)	69.12'	NC	NR
FRONT SETBACK (LOT 1)	0.53'±	NC	NR
SIDE SETBACK (LOT 1)	9.46'±	NC	NR
REAR SETBACK (LOT 1)	17.20'±	NC	NR
HEIGHT (LOT 1)	45'±	NC	60'
IMPERVIOUS SURFACE AREA (LOT 1)	24,829 SF	23,255 SF	NR
IMPERVIOUS SURFACE AREA (LOT 9)	8,712 SF	7,936 SF	NR

NOTES

- REFERENCE MAPS:
 - "IMPROVEMENT LOCATION SURVEY FOR MAIN STREET AND CITY HALL AVENUE", PREPARED FOR THE CITY OF TORRINGTON, DATED OCTOBER 10, 2014, SCALE 1"=10', PREPARED BY DUFOUR SURVEYING LLC, 575 NORTH MAIN STREET, BRISTOL, CONNECTICUT.
 - "MAIDEN LANE SIDEWALK IMPROVEMENTS UTILITY AND CONDUIT AS-BUILT PLAN", DATED MARCH 1, 2012, SCALE 1"=10', PREPARED BY ENGINEERING DEPARTMENT, CITY OF TORRINGTON.
 - "MAIDEN LANE SIDEWALK IMPROVEMENTS SURVEY CONTROLS", DATED JULY 6, 2011, SCALE 1"=20', PREPARED BY ENGINEERING DEPARTMENT, CITY OF TORRINGTON.
 - "MAP SHOWING PROPERTY OF FLEET NATIONAL BANK OF CONNECTICUT, PROSPECT STREET AND MAIDEN LANE, DATED OCTOBER 1996, SCALE 1"=20', PREPARED BY SAMUEL P. BERTOCINI, JR., SURVEYOR, LITCHFIELD, CONNECTICUT.
 - "PROPERTY TO BE CONVEYED BY COMMERCIAL SECURITIES CORPORATION TO CONELY INN ASSOCIATES", DATED JUNE 10, 1946, SCALE 1/16"=1'-0", PREPARED BY DOUGLAS G. LITTLE, SURVEYOR.
 - "PLAN OF PROPERTY ON MAIDEN LANE, TORRINGTON, CONNECTICUT" DATED JANUARY 10, 1927, SCALE 1/8"=1'-0", PREPARED BY W.A. WILLISTON, CIVIL ENGINEER, TORRINGTON, CONNECTICUT.
- ALL EXISTING SITE FEATURES SHALL REMAIN AS IS UNLESS NOTED ON DRAWINGS.
- STATE LAW REQUIRES: CALL BEFORE YOU DIG 1-800-922-4455 TO VERIFY THE LOCATION OF UNDERGROUND UTILITIES.
- UTILITY INFORMATION SHOWN IS TAKEN FROM UTILITY COMPANY MAPS, OTHER MAPS, AND LIMITED FIELD SURVEY. CONTRACTOR IS RESPONSIBLE FOR FINAL VERIFICATION OF UTILITY LOCATIONS AFFECTING THE PROPOSED WORK. ANY DISCREPANCY BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER, THE OWNER, AND THE CITY ENGINEER. NO CHANGES TO THE PROPOSED CONSTRUCTION CAN BE MADE WITHOUT PRIOR APPROVAL.
- ANY ADDITIONAL EROSION/SEDIMENTATION CONTROL METHODS DEEMED NECESSARY BY CITY STAFF SHALL BE IMPLEMENTED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- ANY EXISTING WORK OR SITE DRAINAGE STRUCTURES OR UTILITIES OTHER THAN THOSE CALLED OUT TO BE REPLACED OR MODIFIED, WHICH ARE DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- ALL CONSTRUCTION AND EXCAVATION PROCEDURES TO BE IN ACCORDANCE WITH CITY OF TORRINGTON STANDARD CONSTRUCTION PRACTICES AND PROCEDURES.
- ANY REFUSE OR DEBRIS MUST BE CLEANED UP DAILY AND DISPOSED OF PROPERLY AT THE CONTRACTOR'S EXPENSE.
- ELEVATIONS ARE BASED ON THE REFERENCED MAP.



APPROVED BY PLANNING AND ZONING COMMISSION:

1. FINAL APPROVAL: _____ CHAIRMAN
 DATE: _____ EXPIRATION DATE: _____

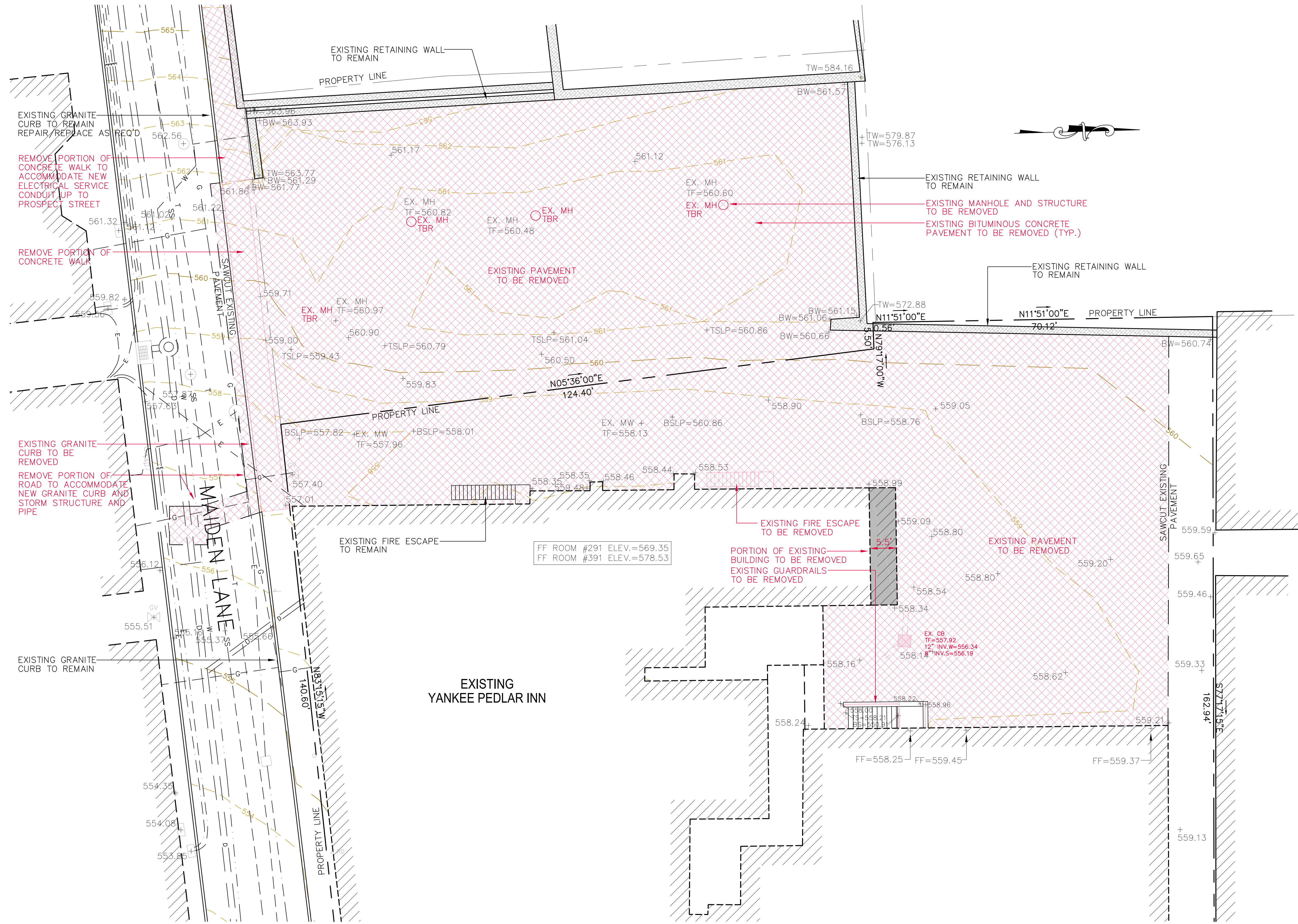
2. CONDITIONAL APPROVAL: _____ CHAIRMAN
 DATE: _____ EXPIRATION DATE: _____

AEAA
 Allied Engineering Assoc. Inc.
 95 Main St., 2nd Fl., Torrington, CT 06018
 P.O. Box 7700 Torrington, CT 06018
 860-824-1400 860-824-1401 fax
 aea.george@gmail.com

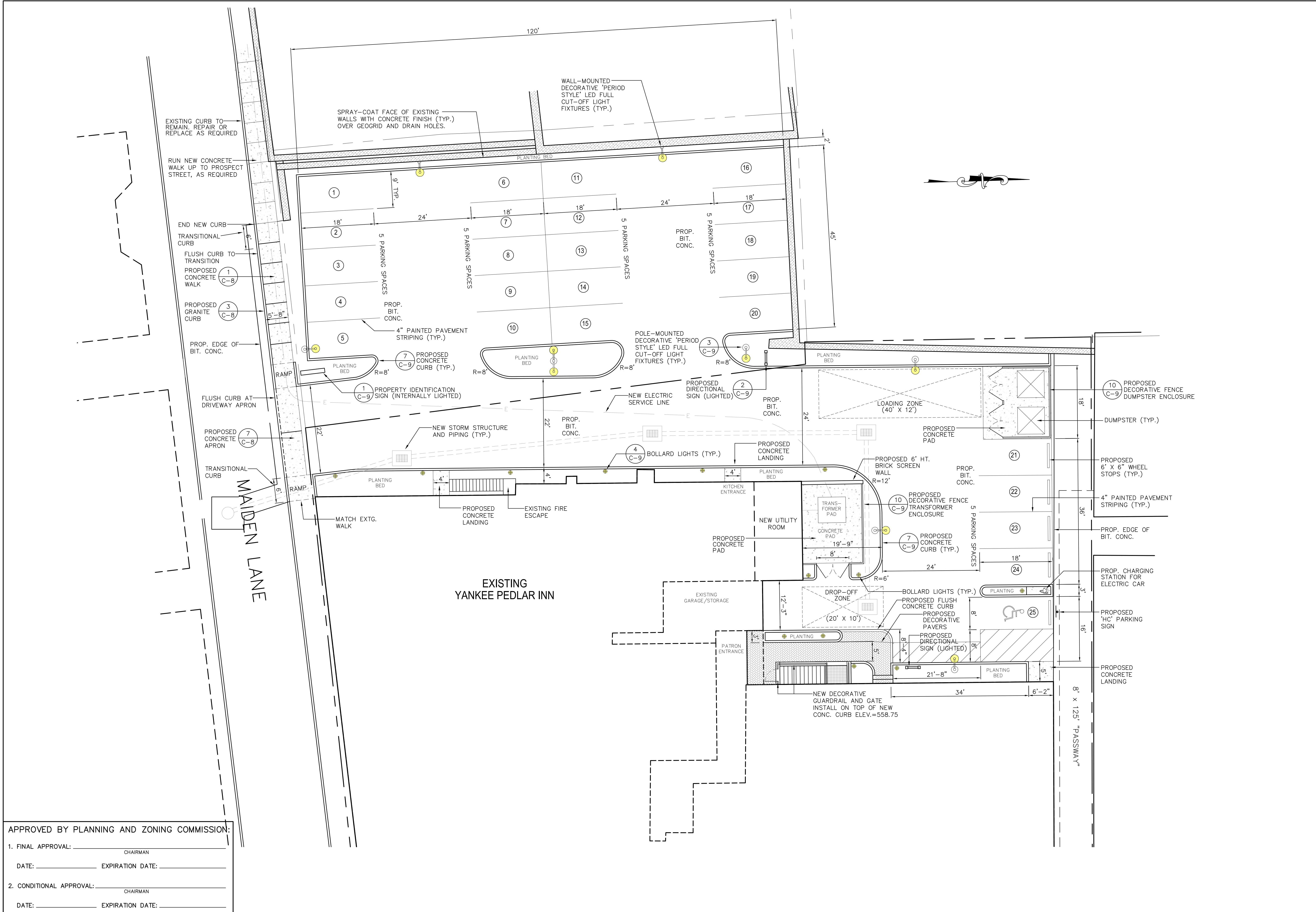
REVISION NUMBER	DESCRIPTION	DATE	INITIAL

HAMPTON INN PROPERTY IMPROVEMENT EXISTING SITE PLAN
 PREPARED FOR YANKEE PEDLAR INN (JAYSON HOSPITALITY, LLC)
 93 MAIN STREET TORRINGTON, CONNECTICUT

SCALE: 1/16"=1'-0"
 FILE NAME: 1034-SITE-1
 DATE: 7/10/2023
 ISSUED FOR: PERMITTING
 PROJECT NO. 1034
 DRAWING NO. C-1



APPROVED BY PLANNING AND ZONING COMMISSION:
 1. FINAL APPROVAL: _____ CHAIRMAN
 DATE: _____ EXPIRATION DATE: _____
 2. CONDITIONAL APPROVAL: _____ CHAIRMAN
 DATE: _____ EXPIRATION DATE: _____



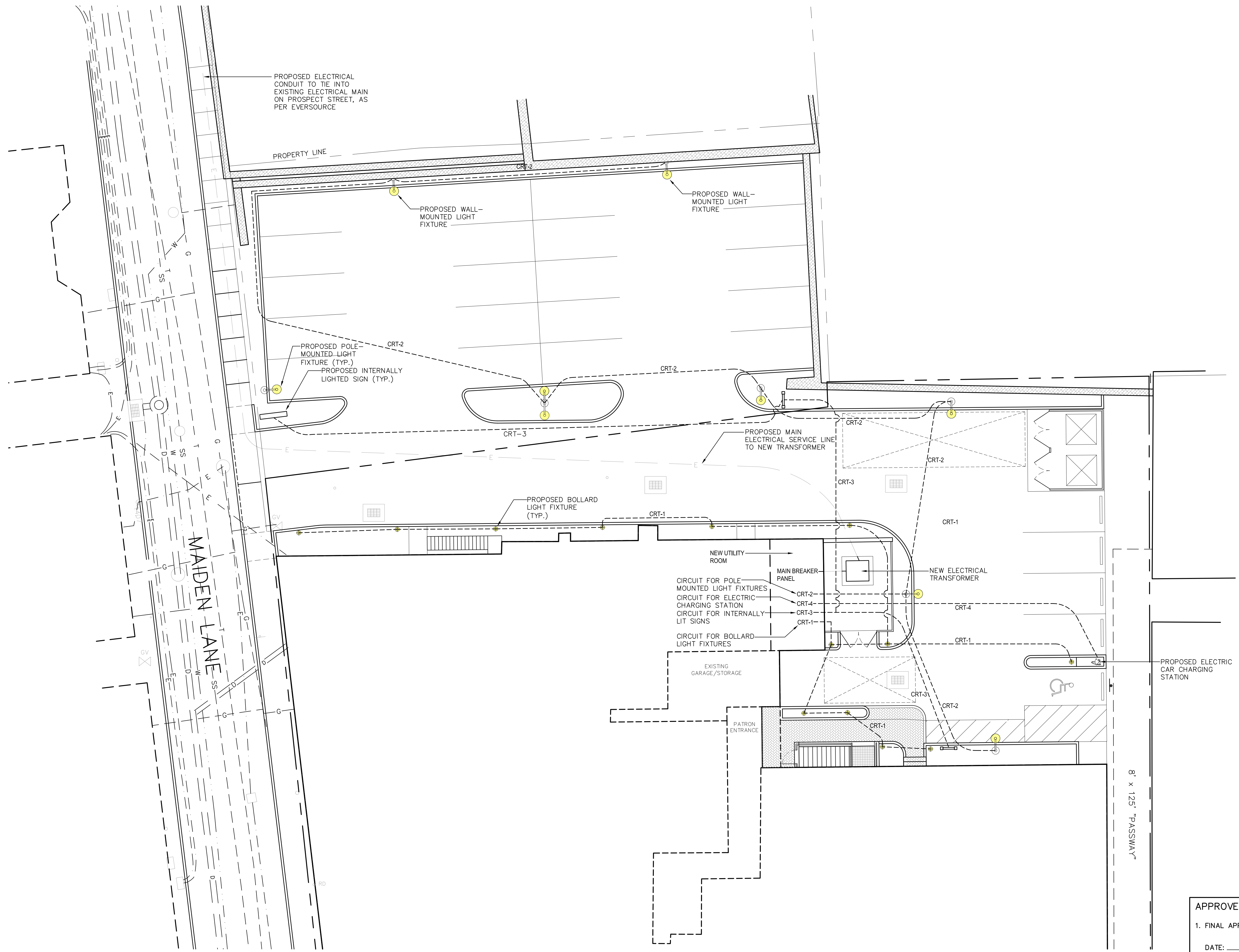
AEFA
 Allied Engineering Assoc. Inc.
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 860-824-1400 860-824-1401 fax
 aeaf.george@gmail.com

REVISIONS
 NUMBER DESCRIPTION DATE INITIAL

**HAMPTON INN PROPERTY IMPROVEMENT
 PROPOSED SITE LAYOUT PLAN**
 PREPARED FOR
 YANKEE PEDLAR INN (JAYSON HOSPITALITY, LLC)
 93 MAIN STREET
 TORRINGTON, CONNECTICUT

SCALE: 1"=10'
 FILE NAME: 1034-SITE-1
 DATE: 7/10/2023
 ISSUED FOR: PERMITTING
 PROJECT NO. 1034
 DRAWING NO. C-3

APPROVED BY PLANNING AND ZONING COMMISSION:
 1. FINAL APPROVAL: _____ CHAIRMAN
 DATE: _____ EXPIRATION DATE: _____
 2. CONDITIONAL APPROVAL: _____ CHAIRMAN
 DATE: _____ EXPIRATION DATE: _____



REVISION NUMBER - DESCRIPTION - DATE - INITIAL

HAMPTON INN PROPERTY IMPROVEMENT
PROPOSED SITE UTILITY PLAN
 PREPARED FOR
 YANKEE PEDLAR INN (JAYSON HOSPITALITY, LLC)
 93 MAIN STREET
 TORRINGTON, CONNECTICUT

SCALE: 1"=10'
 FILE NAME: 1034-SITE-1
 DATE: 7/10/2023
 ISSUED FOR: PERMITTING
 PROJECT NO. 1034
 DRAWING NO. C-5

APPROVED BY PLANNING AND ZONING COMMISSION:
 1. FINAL APPROVAL: _____ CHAIRMAN
 DATE: _____ EXPIRATION DATE: _____
 2. CONDITIONAL APPROVAL: _____ CHAIRMAN
 DATE: _____ EXPIRATION DATE: _____

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SEA

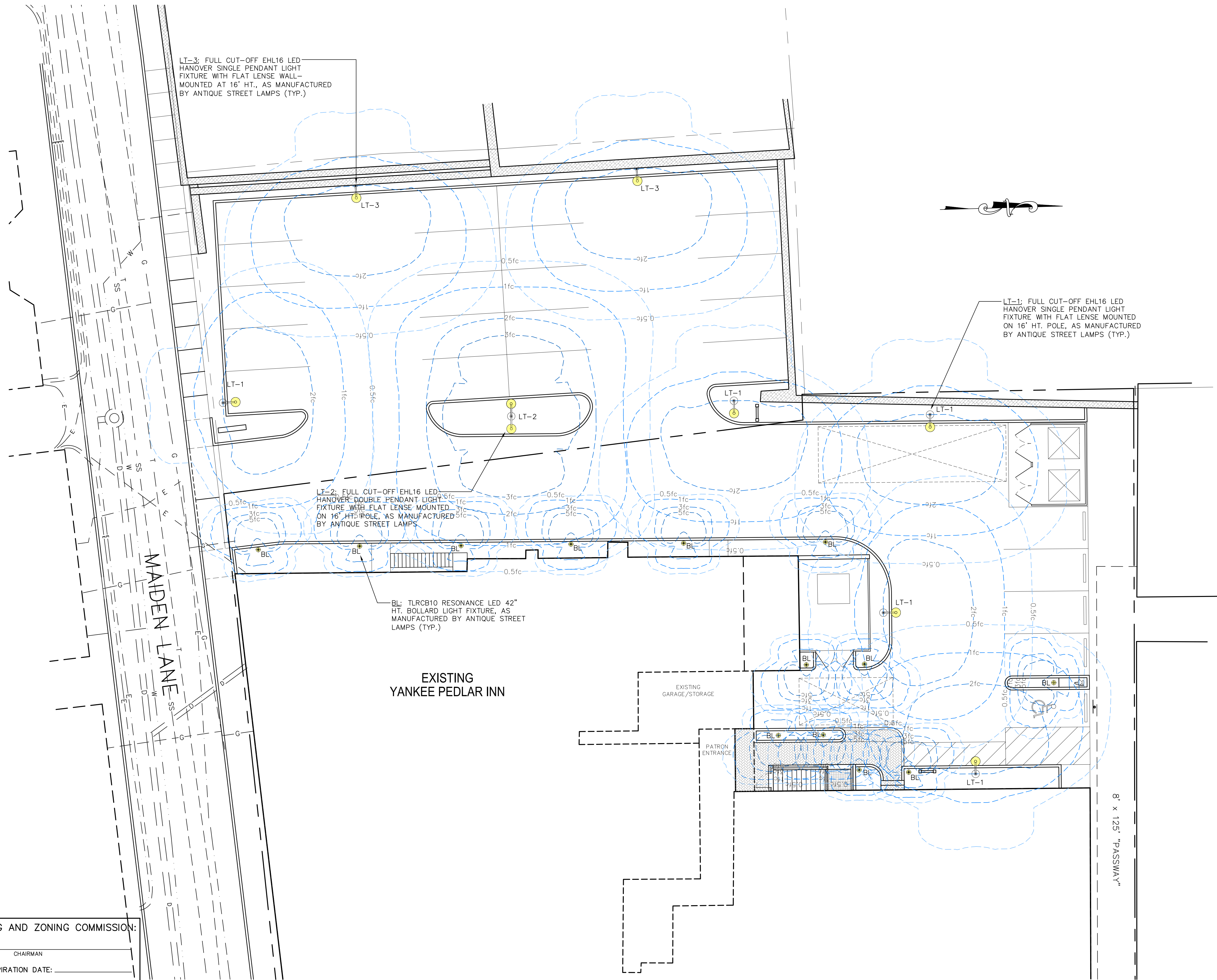
REVISION NUMBER - DESCRIPTION - DATE - INITIAL

**HAMPTON INN PROPERTY IMPROVEMENT
 PROPOSED SITE LIGHTING PLAN**
 PREPARED FOR
 YANKEE PEDLAR INN (JAYSON HOSPITALITY, LLC)
 93 MAIN STREET
 TORRINGTON, CONNECTICUT

SCALE: 1"=10'
 FILE NAME: 1034-site-1
 DATE: 7/10/2023
 ISSUED FOR: PERMITTING

PROJECT NO. 1034

DRAWING NO. C-7



LT-3: FULL CUT-OFF EHL16 LED HANOVER SINGLE PENDANT LIGHT FIXTURE WITH FLAT LENSE WALL-MOUNTED AT 16" HT., AS MANUFACTURED BY ANTIQUE STREET LAMPS (TYP.)

LT-1: FULL CUT-OFF EHL16 LED HANOVER SINGLE PENDANT LIGHT FIXTURE WITH FLAT LENSE MOUNTED ON 16" HT. POLE, AS MANUFACTURED BY ANTIQUE STREET LAMPS (TYP.)

LT-2: FULL CUT-OFF EHL16 LED HANOVER DOUBLE PENDANT LIGHT FIXTURE WITH FLAT LENSE MOUNTED ON 16" HT. POLE, AS MANUFACTURED BY ANTIQUE STREET LAMPS

BL: TLRCB10 RESONANCE LED 42" HT. BOLLARD LIGHT FIXTURE, AS MANUFACTURED BY ANTIQUE STREET LAMPS (TYP.)

EXISTING YANKEE PEDLAR INN

EXISTING GARAGE/STORAGE

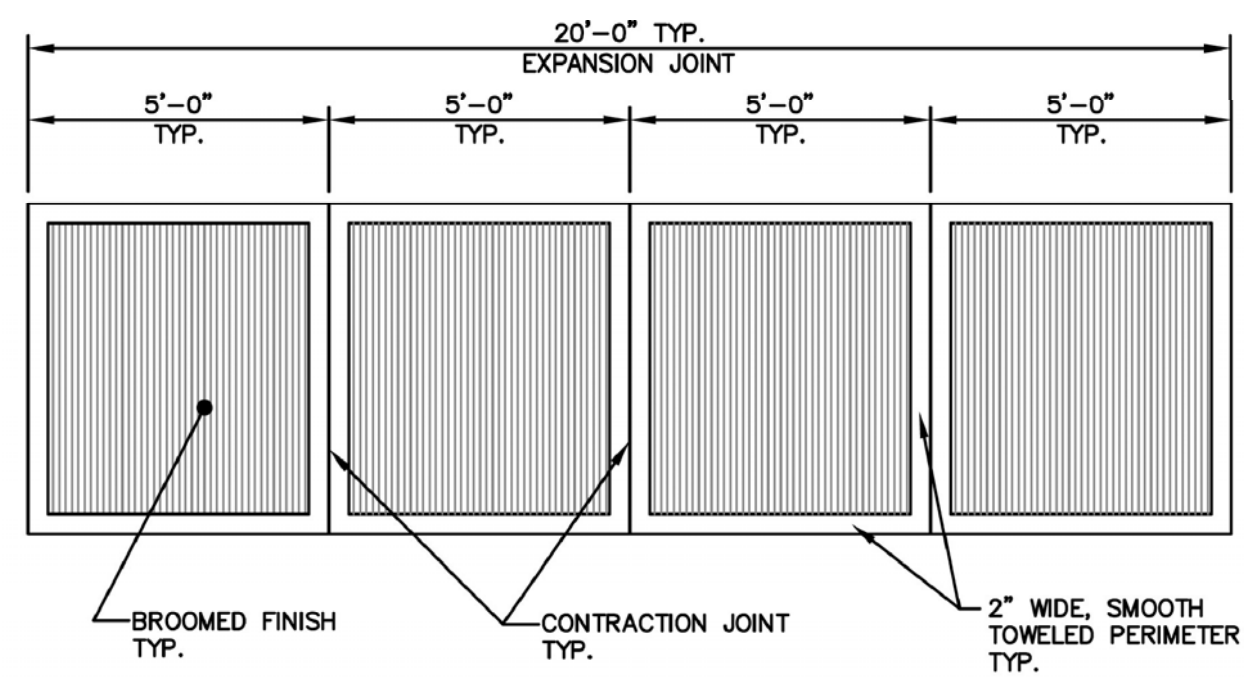
PATRON ENTRANCE

8' x 125' "PASSWAY"

APPROVED BY PLANNING AND ZONING COMMISSION:

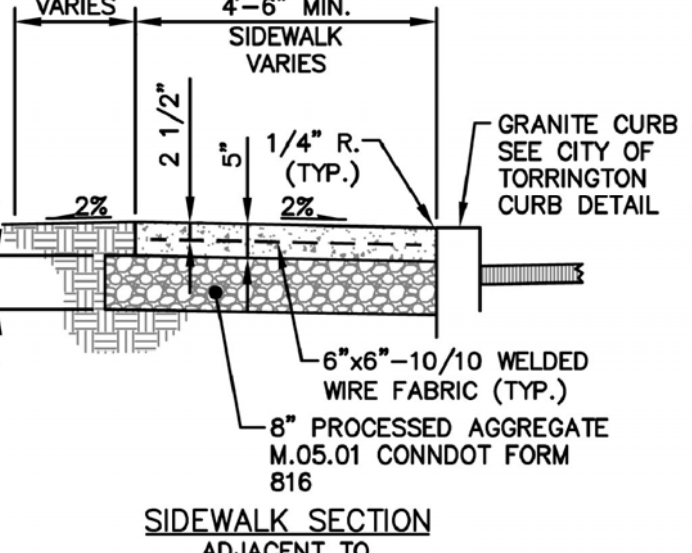
1. FINAL APPROVAL: _____ CHAIRMAN
 DATE: _____ EXPIRATION DATE: _____

2. CONDITIONAL APPROVAL: _____ CHAIRMAN
 DATE: _____ EXPIRATION DATE: _____

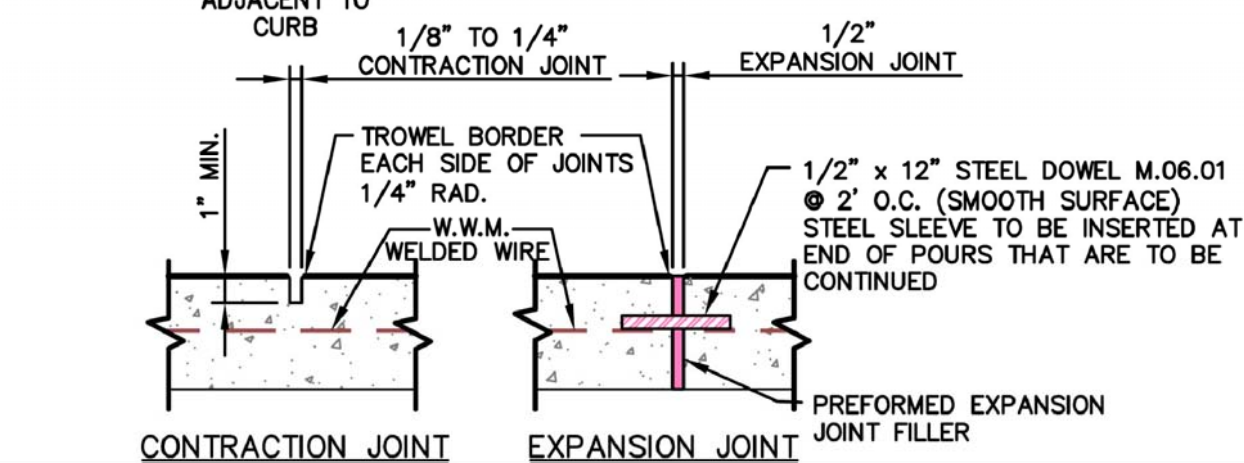


PLAN VIEW

- NOTES:
- CLASS F 4000 PSI (28 DAYS) CONCRETE M.03.01 WITH 5% TO 7% ENTRAINED AIR CONNODT STD. SPEC 9.21
 - WALKS NOT TO EXCEED 5% MAX. SLOPE AND 2% CROSS SLOPE UNLESS OTHERWISE NOTED AS RAMP.
 - EXPANSION JOINTS AASHTO M213 TO BE INSTALLED EVERY 20 FEET MAX.
 - ALL CONCRETE WALKS ARE TO BE SEALED WITH "SALTGUARD"-A PRESICO CONCRETE SEALER OR APPROVED EQUAL AS DETAILED IN THE SPECIFICATIONS.

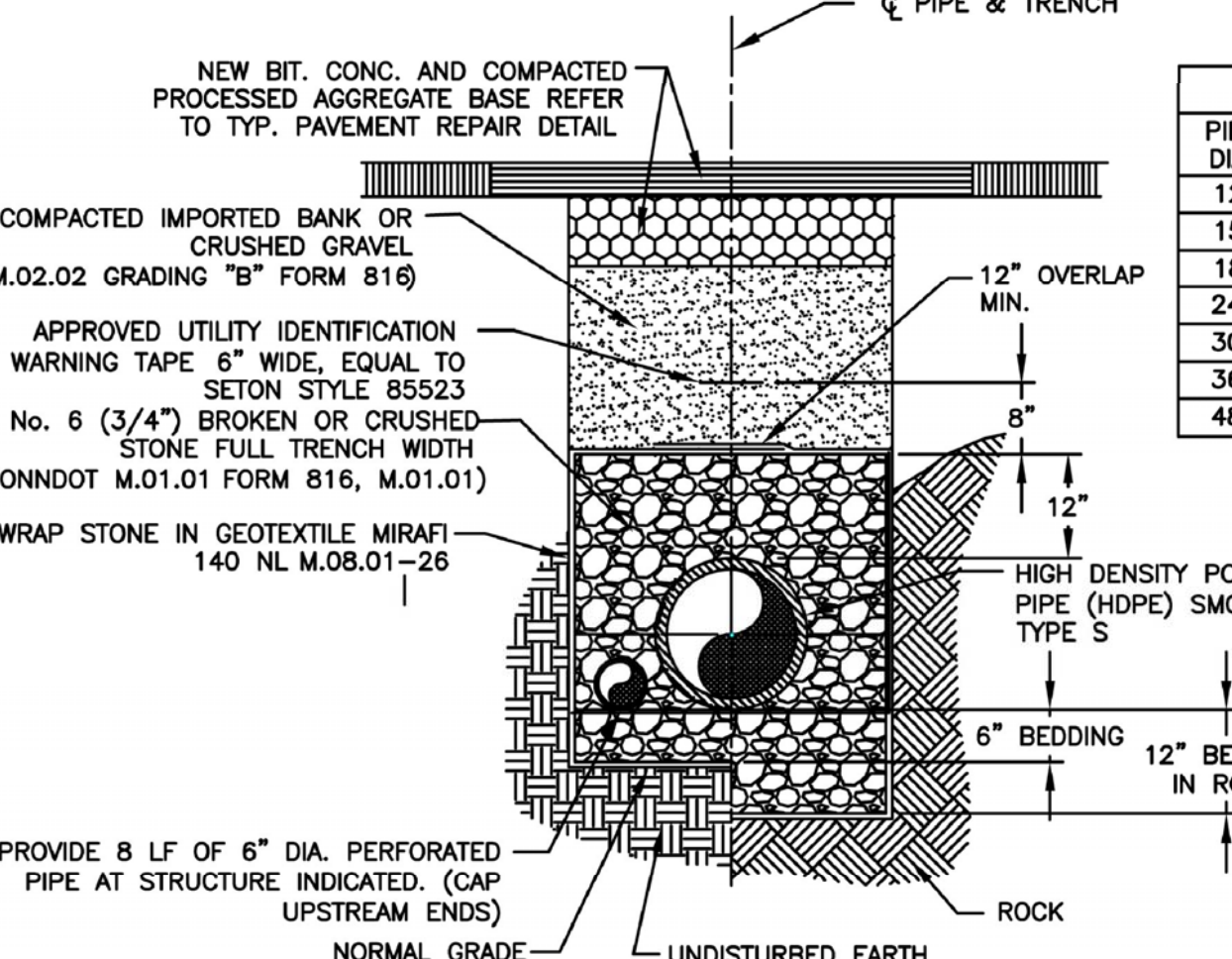


SIDEWALK SECTION ADJACENT TO CURB



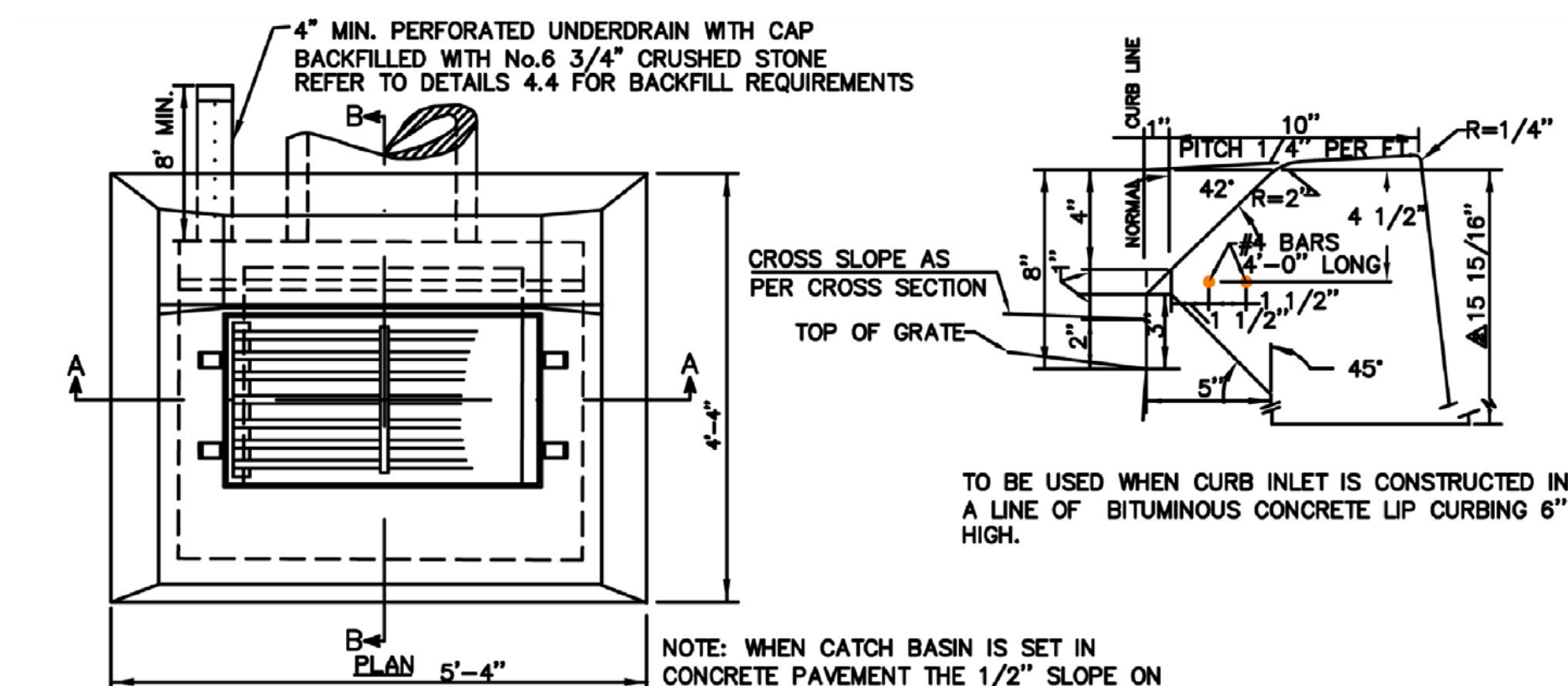
CONTRACTION JOINT EXPANSION JOINT

1 PROPOSED CONCRETE SIDEWALK DETAIL NOT TO SCALE

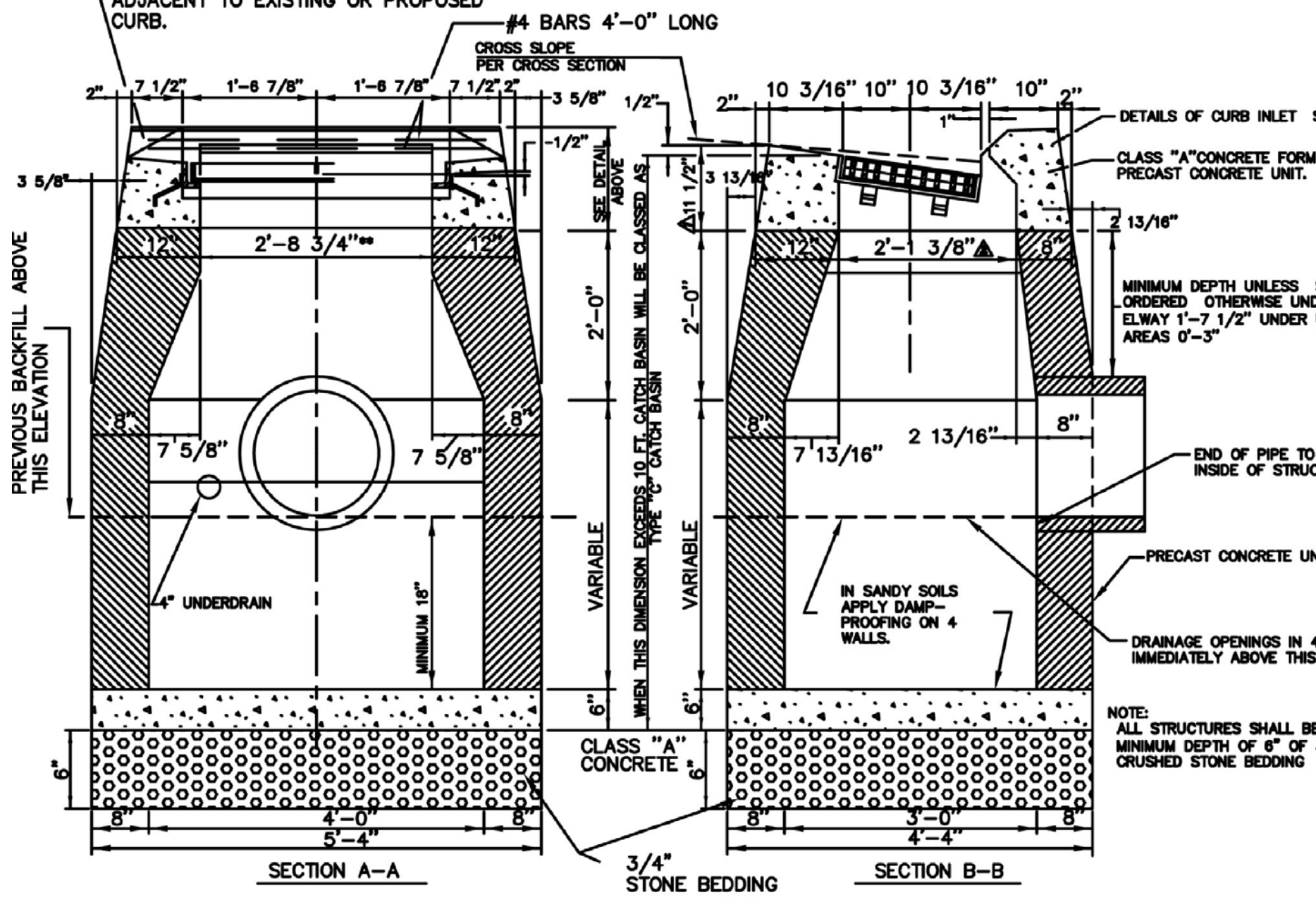


- NOTES:
- BEDDING SHALL BE No.6 (3/4") CRUSHED STONE (CONNODT FORM 816 M.01.01)
 - UNSATURABLE MATERIAL BELOW NORMAL GRADE SHALL BE REPLACED WITH No.6(3/4") CRUSHED STONE (CONNODT FORM 816, ART. M.01.01) AS DIRECTED BY THE CITY ENGINEER.
 - ALL WORK MUST BE CONDUCTED IN STRICT ACCORDANCE WITH THE LATEST REGULATIONS OF OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) FOR EXCAVATIONS.

2 PROPOSED STORM PIPE DETAIL NOT TO SCALE



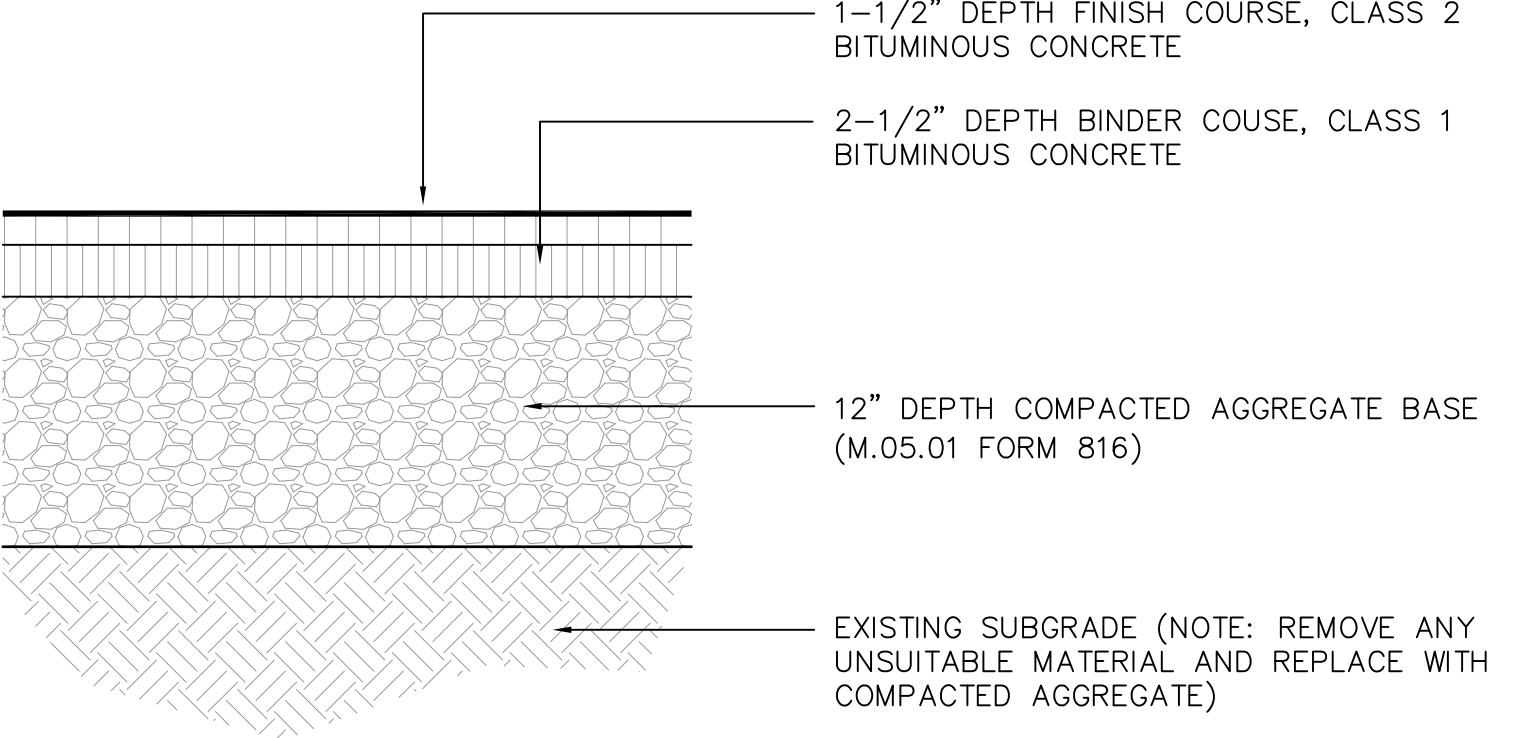
PLAN 5'-4"



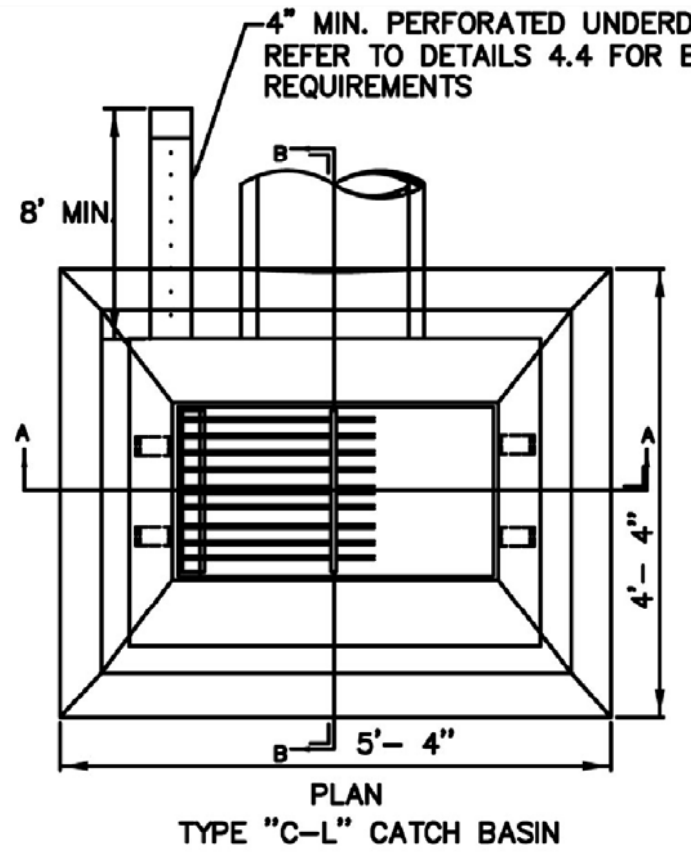
SECTION A-A SECTION B-B

- NOTES:
- WALLS OF ALL CATCH BASIN OVER 10 FT DEEP TO BE INCREASED TO 12" THICKNESS. INSIDE DIMENSIONS TO REMAIN THE SAME.
 - PRECAST CONCRETE TOP SHALL BE APPROVED BY THE ENGINEER BEFORE INSTALLATION.
 - CATCH BASIN SUMPS SHALL BE OMITTED IF DIRECTED BY THE ENGINEER.
 - PROVIDE 4" PVC PERFORATED WEEP PIPE TO RELIEVE THE GROUNDWATER FROM THE PIPE BEDDING. PLACE AT ALL LOCATIONS WHERE PIPE ENTERS OR EXITS THE STRUCTURE.
 - ALL GRATES SHALL BE TYPE 'A' GALVANIZED GRATES.
 - CB TOP TO BE SET ON MIN OF 2" TO MAX 4" OF MASONRY FOR ADJ.

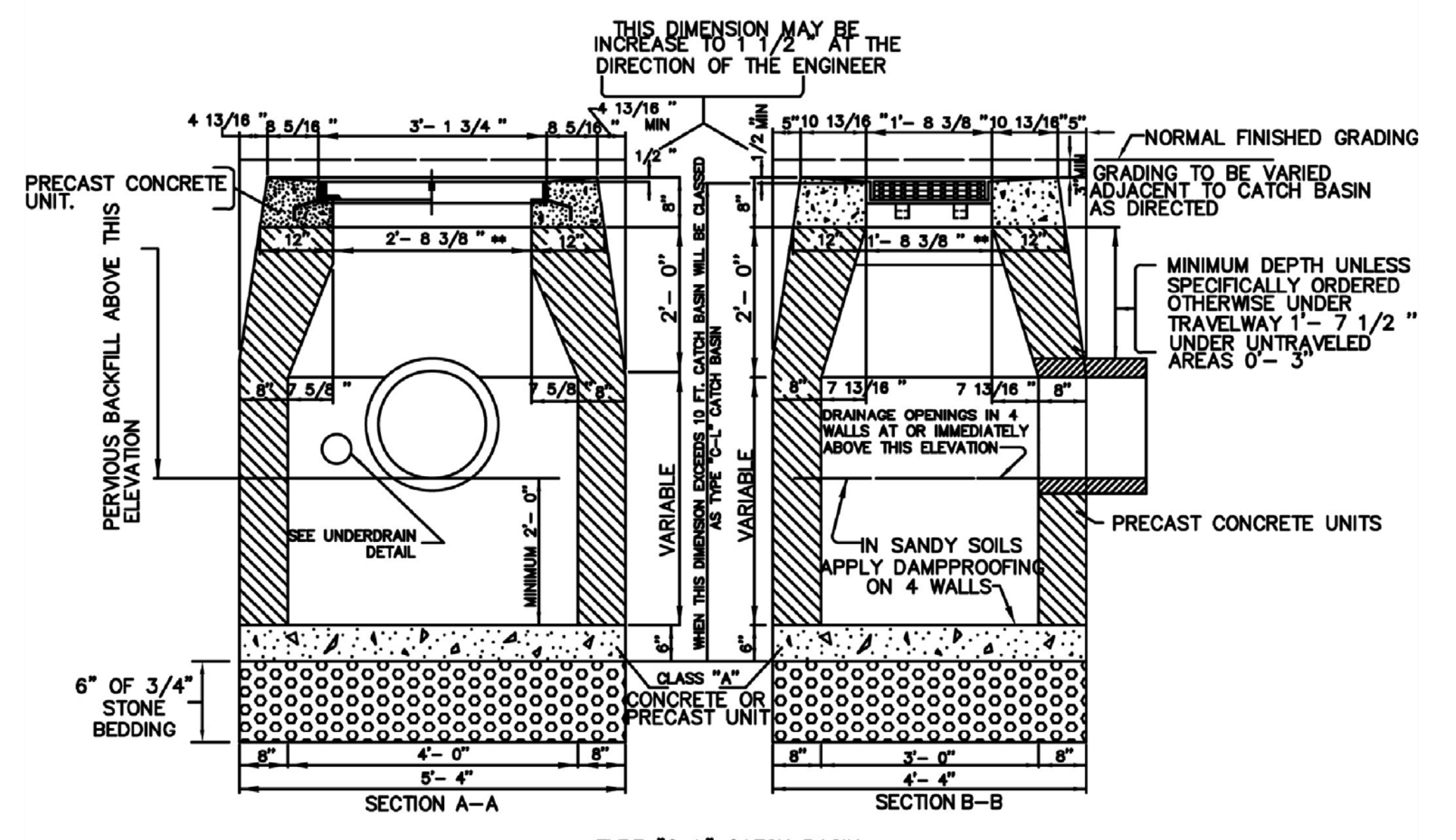
4 PROPOSED TYPE "C" CATCH BASIN DETAIL NOT TO SCALE



5 PROPOSED BITUMINOUS CONCRETE PAVEMENT DETAIL NOT TO SCALE

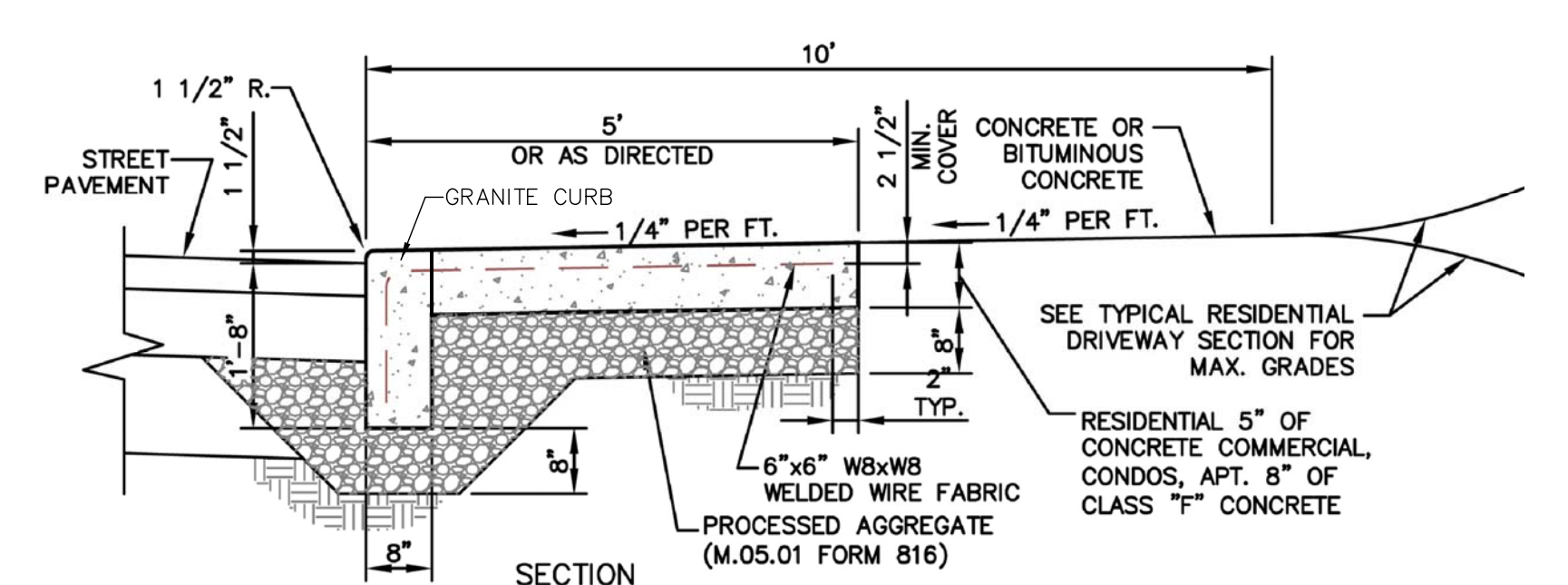
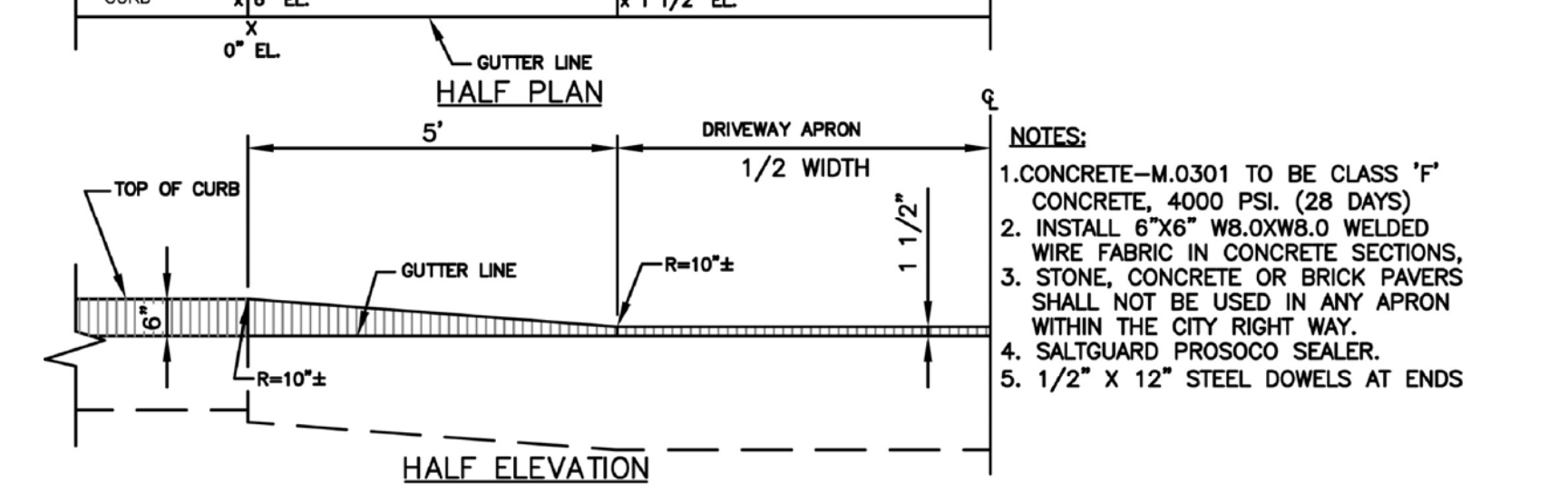
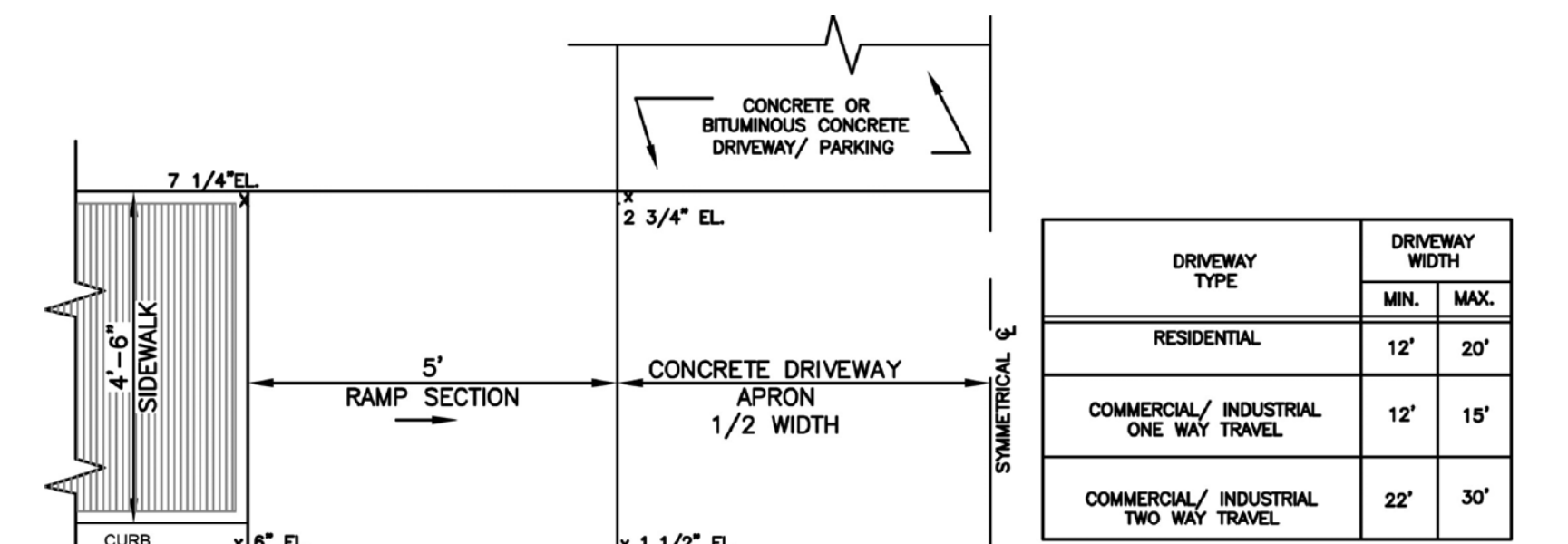


PLAN 5'-4"

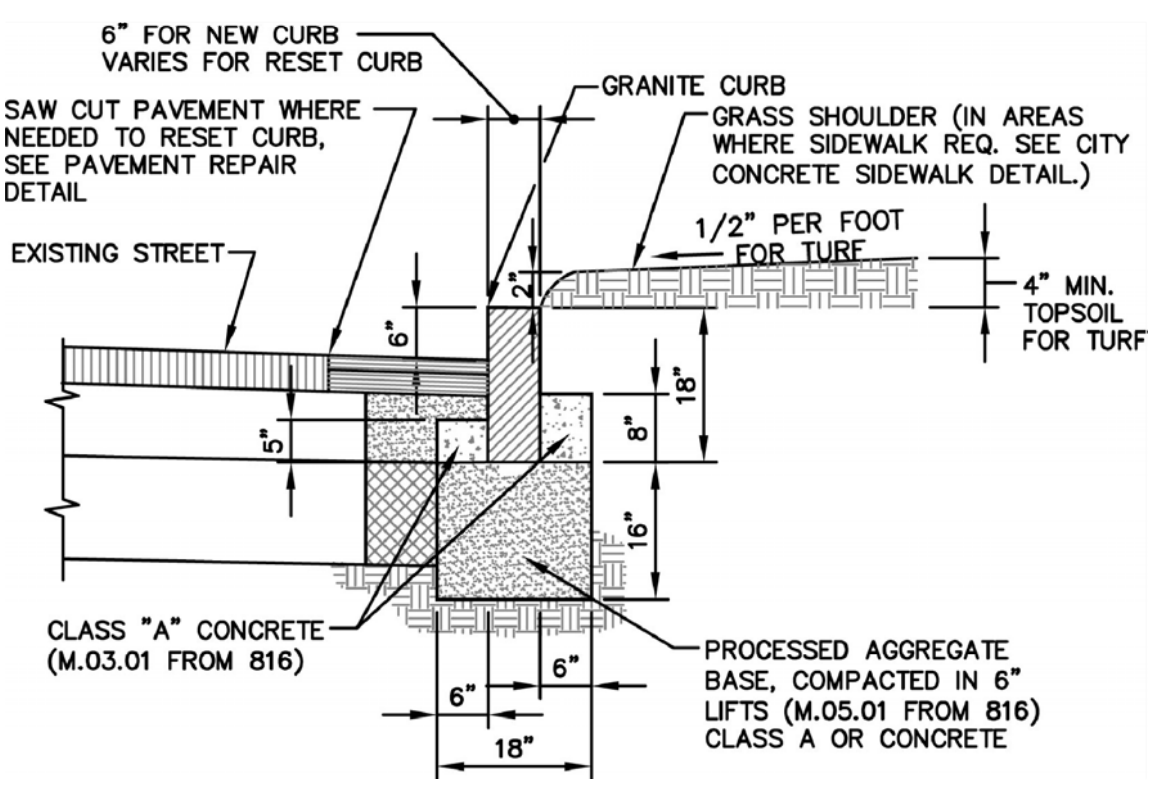


SECTION A-A SECTION B-B

6 PROPOSED TYPE "C-L" CATCH BASIN DETAIL NOT TO SCALE



7 PROPOSED CONCRETE DRIVEWAY APRON DETAIL NOT TO SCALE

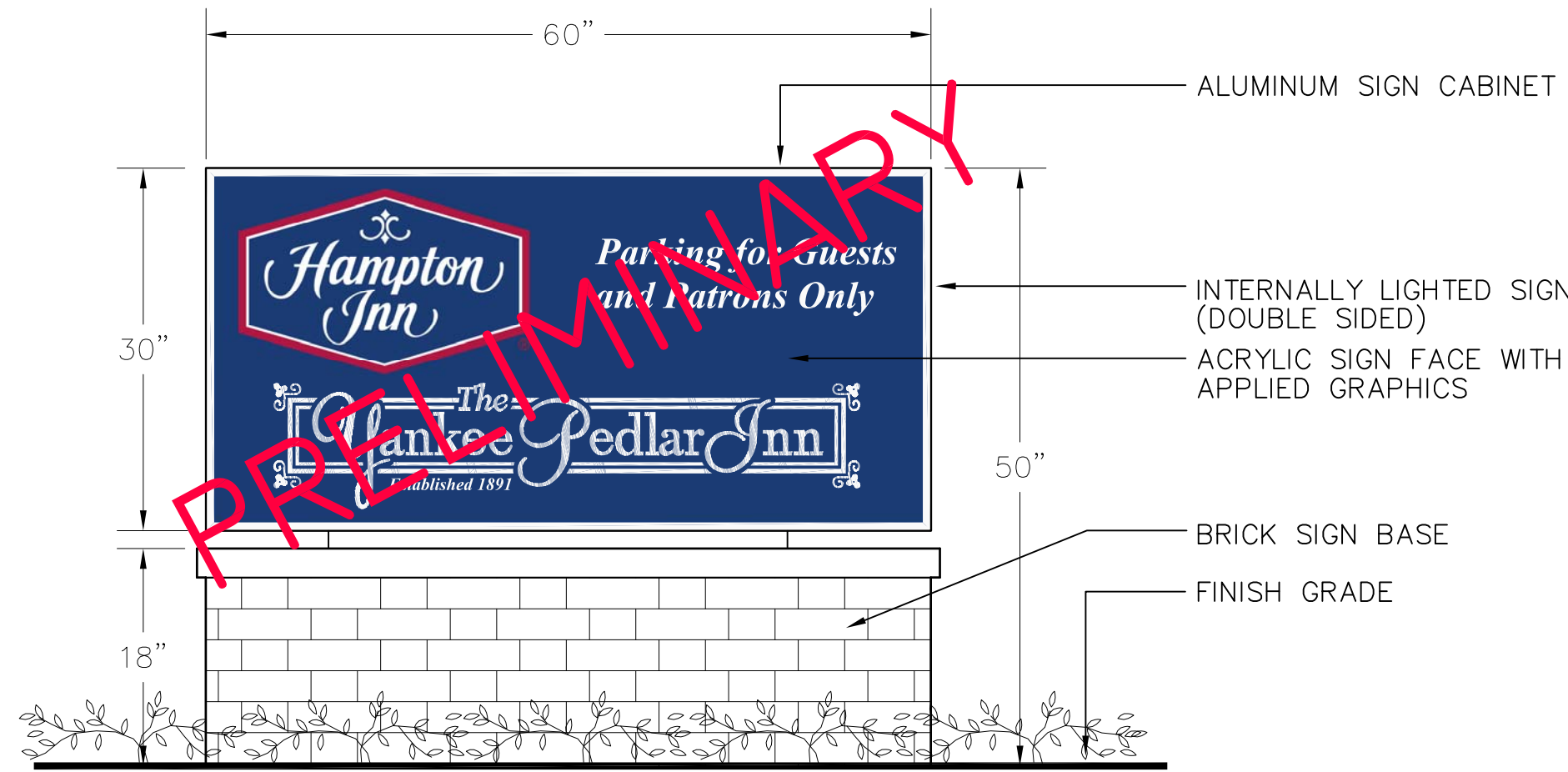


3 PROPOSED GRANITE CURB DETAIL NOT TO SCALE

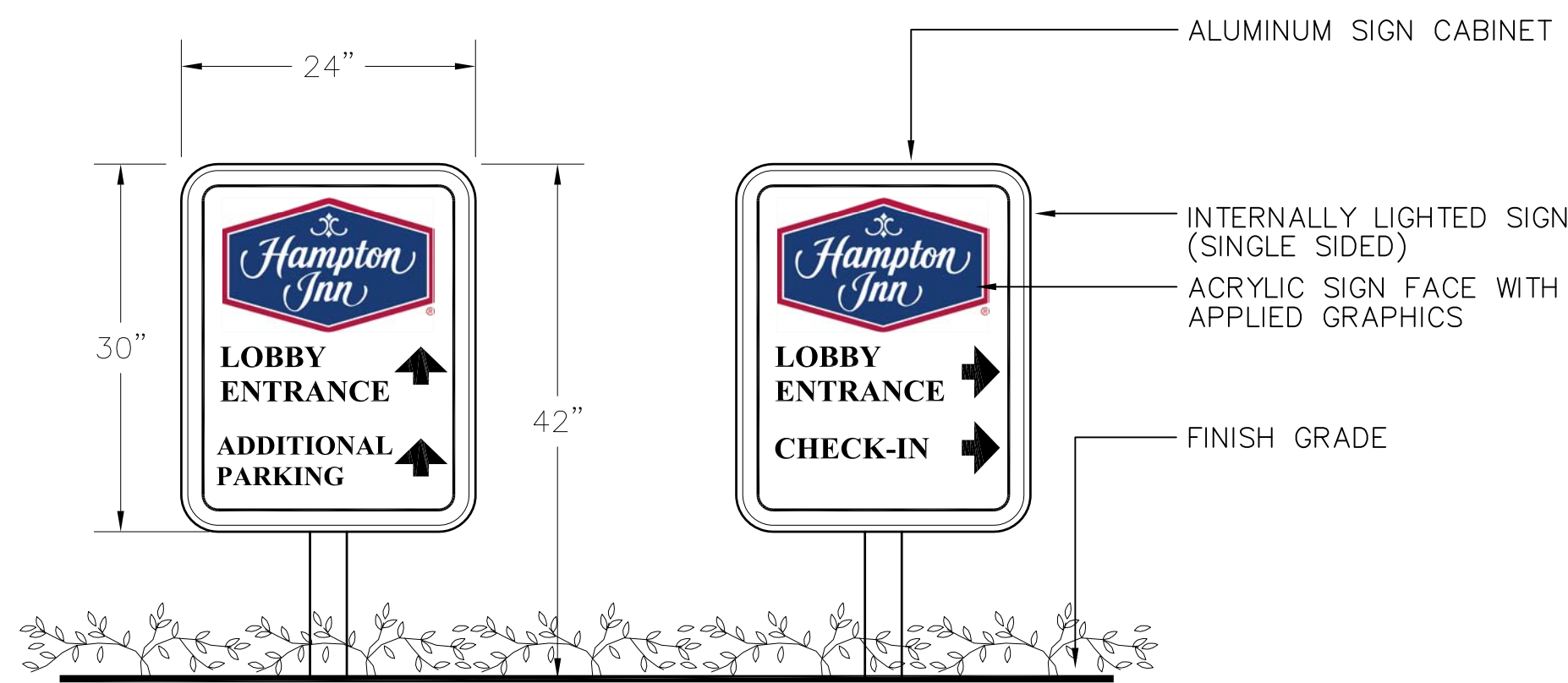
APPROVED BY PLANNING AND ZONING COMMISSION:

1. FINAL APPROVAL: _____ CHAIRMAN
 DATE: _____ EXPIRATION DATE: _____

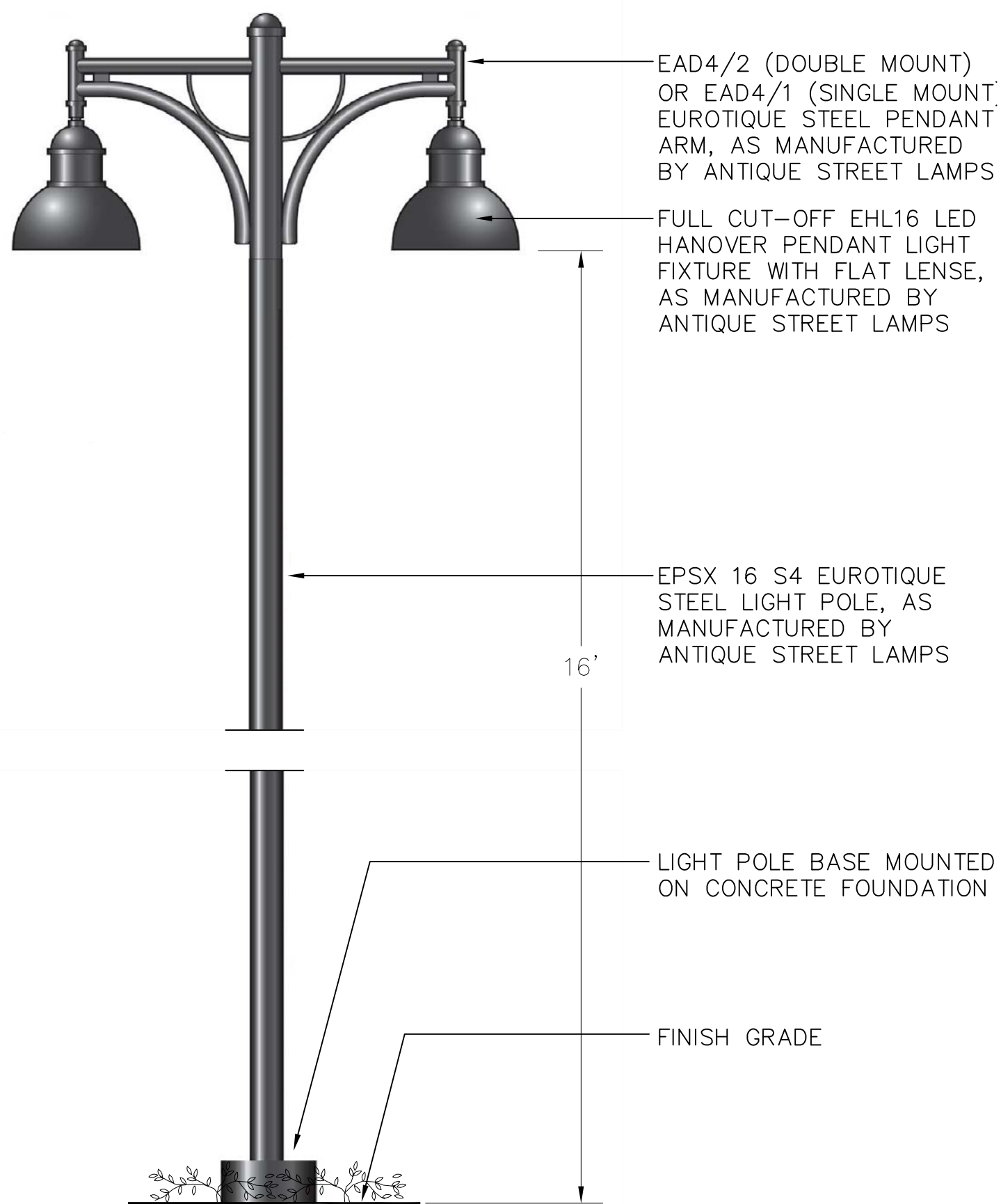
2. CONDITIONAL APPROVAL: _____ CHAIRMAN
 DATE: _____ EXPIRATION DATE: _____



1 PROPOSED SITE IDENTIFICATION SIGN
C-9 NOT TO SCALE



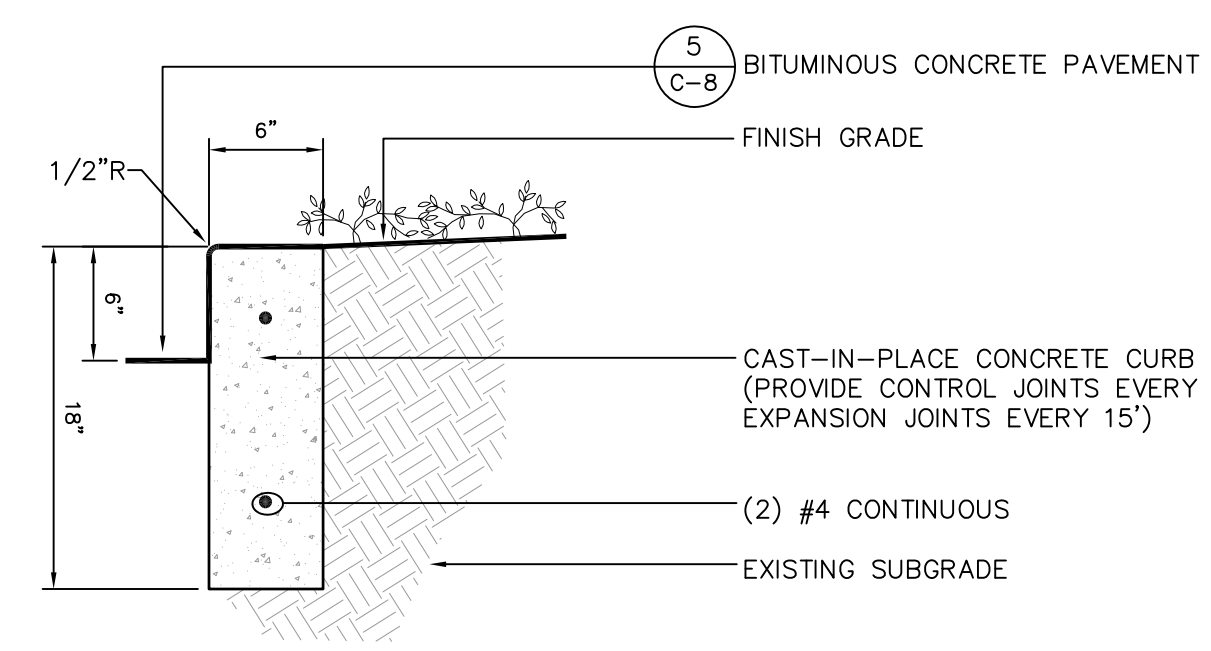
2 PROPOSED SITE DIRECTIONAL SIGNS
C-9 NOT TO SCALE



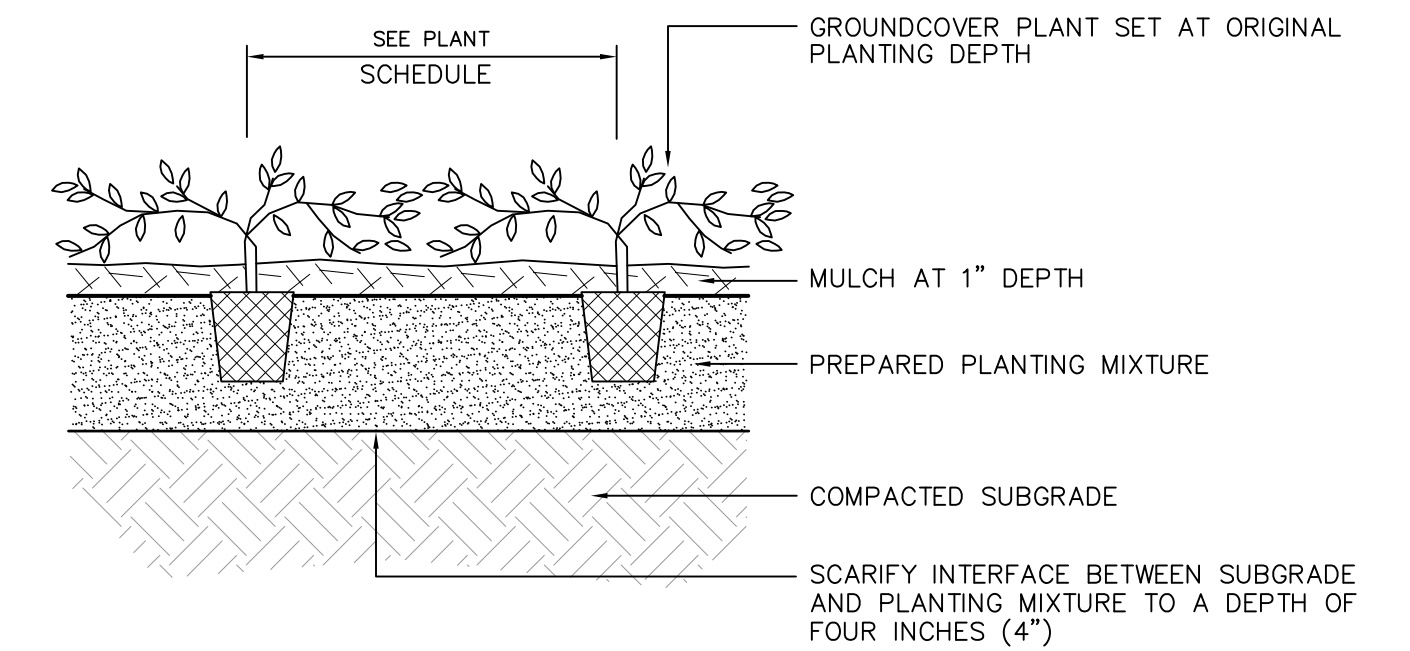
3 PROPOSED POLE-MOUNTED LIGHT FIXTURE
C-9 NOT TO SCALE



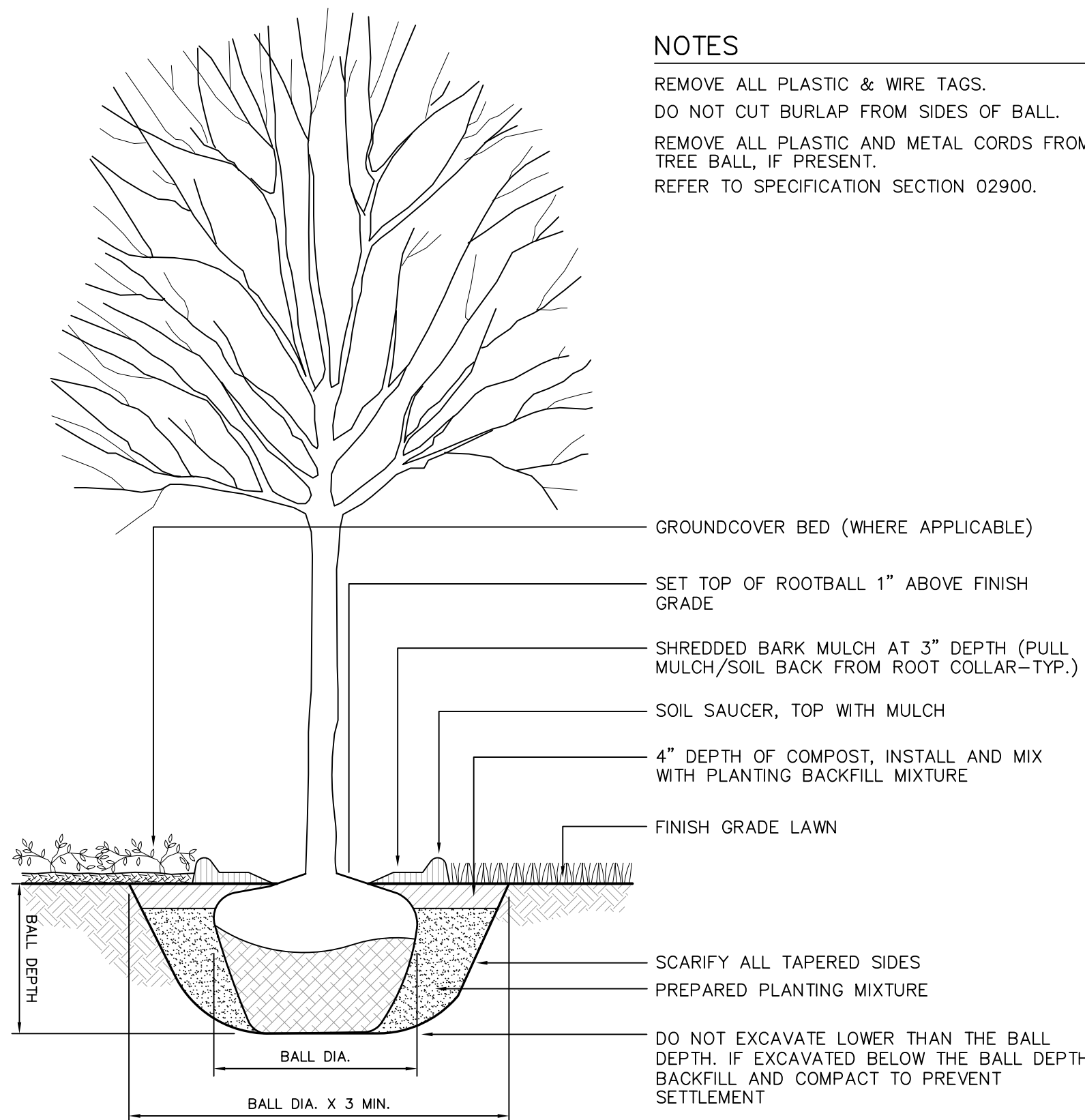
4 PROPOSED BOLLARD LIGHT
C-9 NOT TO SCALE



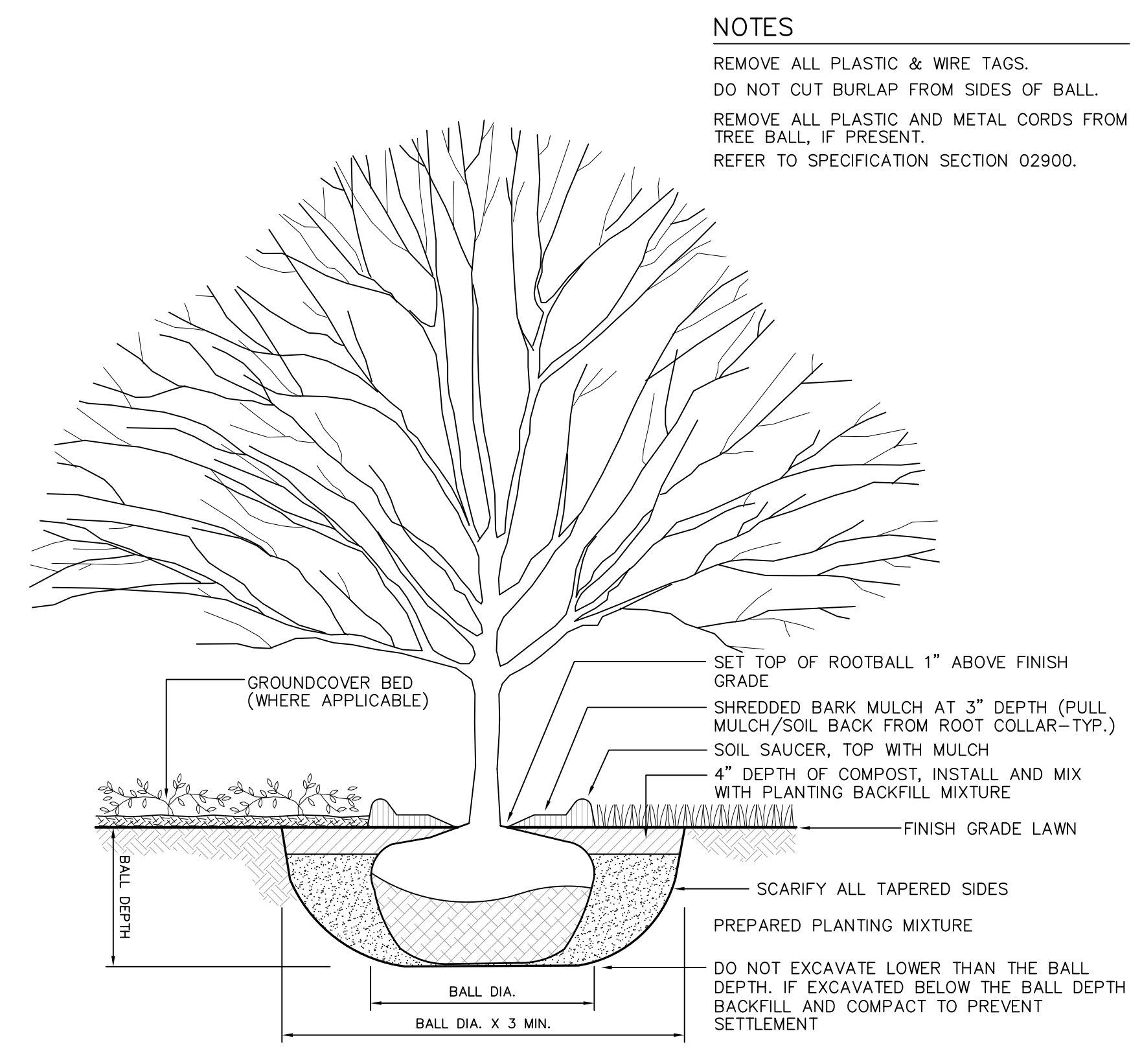
7 PROPOSED CONCRETE CURB DETAIL
C-9 NOT TO SCALE



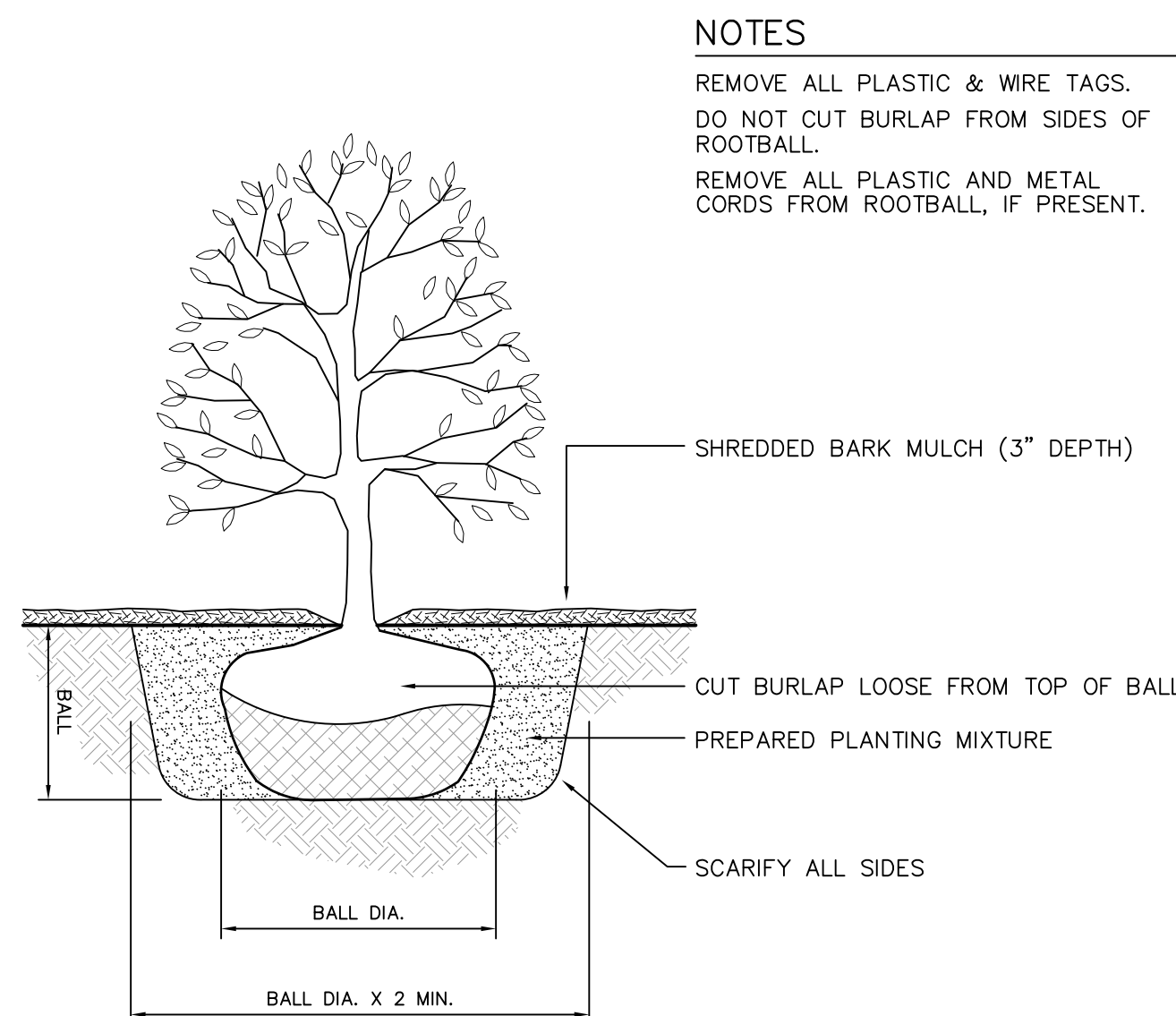
8 GROUNDCOVER PLANTING (TYP.)
C-9 NOT TO SCALE



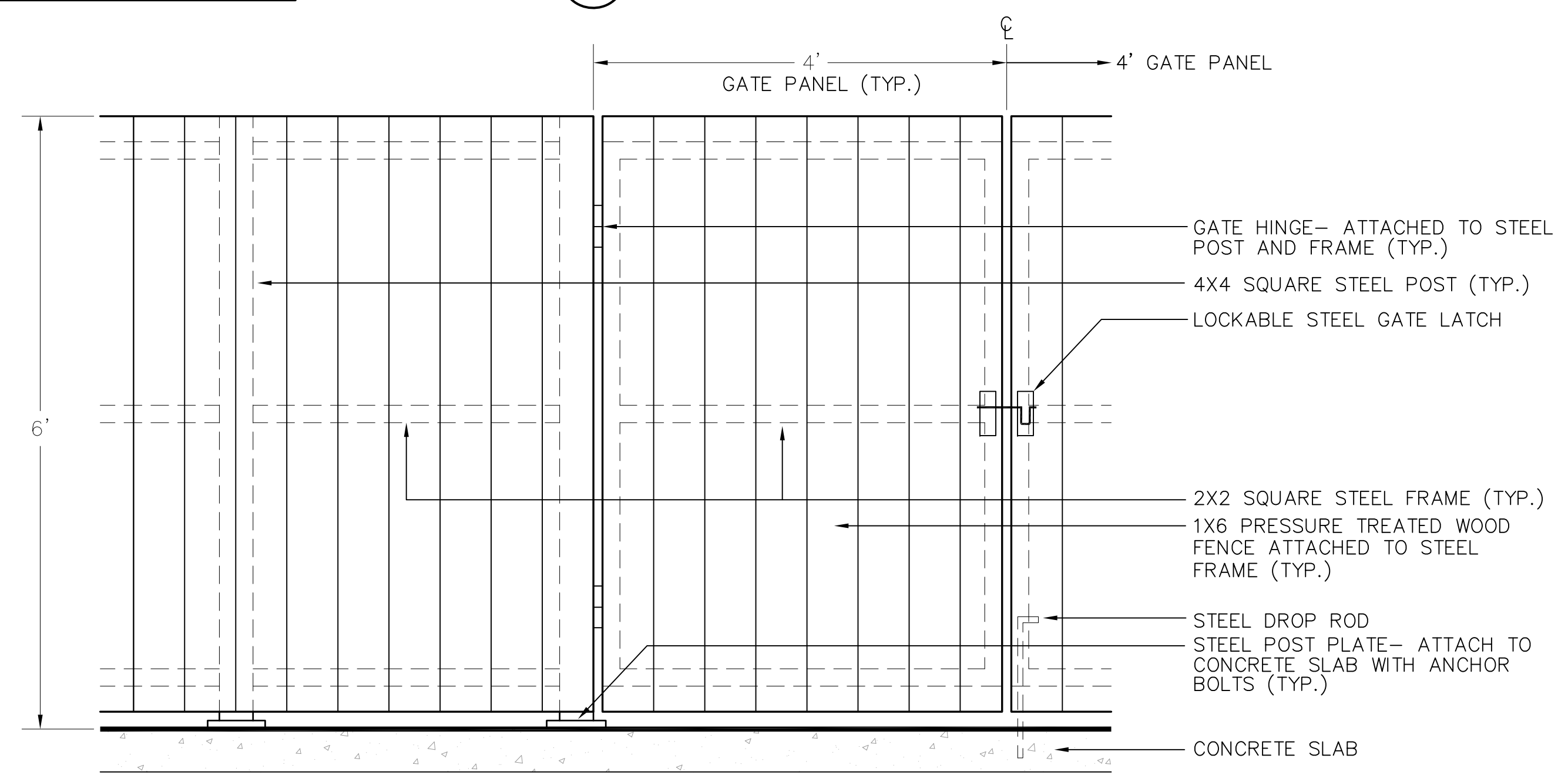
5 DECIDUOUS TREE PLANTING (TYP.)
C-9 NOT TO SCALE



9 FLOWERING TREE PLANTING (TYP.)
C-9 NOT TO SCALE



6 SHRUB PLANTING (TYP.)
C-9 NOT TO SCALE



10 PROPOSED WOOD FENCE WITH STEEL FRAME (TYP.)
C-9 NOT TO SCALE

NOTES
REMOVE ALL PLASTIC & WIRE TAGS.
DO NOT CUT BURLAP FROM SIDES OF BALL.
REMOVE ALL PLASTIC AND METAL CORDS FROM TREE BALL, IF PRESENT.
REFER TO SPECIFICATION SECTION 02900.

NOTES
REMOVE ALL PLASTIC & WIRE TAGS.
DO NOT CUT BURLAP FROM SIDES OF BALL.
REMOVE ALL PLASTIC AND METAL CORDS FROM TREE BALL, IF PRESENT.
REFER TO SPECIFICATION SECTION 02900.

NOTES
REMOVE ALL PLASTIC & WIRE TAGS.
DO NOT CUT BURLAP FROM SIDES OF ROOTBALL.
REMOVE ALL PLASTIC AND METAL CORDS FROM ROOTBALL, IF PRESENT.

SEA

AEEA
Allied Engineering Assoc. Inc.
95 Main St., 3rd Fl., East Greenwich, RI 02818
P.O. Box 7700, Warwick, RI 02886
860-824-1400
war.george@gmail.com

REVISION NUMBER - DESCRIPTION - DATE - INITIAL

HAMPTON INN PROPERTY IMPROVEMENT
PROPOSED DETAILS
PREPARED FOR
YANKEE PEDLAR INN (JAYSON HOSPITALITY, LLC)
93 MAIN STREET
TORRINGTON, CONNECTICUT

SCALE: AS NOTED
FILE NAME: 1034-site-1
DATE: 7/10/2023
ISSUED FOR: PERMITTING

PROJECT NO. 1034

DRAWING NO. C-9

CONSTRUCTION NARRATIVE

- PURPOSE AND DESCRIPTION OF THE PROJECT. THE PROJECT CONSISTS OF REMOVING EXISTING PAVEMENT, GRADING, INSTALLATION OF NEW UTILITIES, DRAINAGE STRUCTURES, CURBING, LIGHTING, SIGNAGE, LANDSCAPING AND NEW PAVEMENTS.
 - THE SITE CONSISTS OF TWO LOTS TOTALING 0.79 ACRES. TOTAL AREA OF SITE DISTURBANCE TOTALS 0.38 ACRES.
 - ALL EXISTING SITE FEATURES SHALL REMAIN AS IS UNLESS OTHERWISE NOTED ON DRAWINGS.
 - THE ANTICIPATED START DATE FOR THE PROJECT IS _____ (PENDING WEATHER) AND WILL BE COMPLETED BY _____ (DATES SUBJECT TO CHANGE).
- 2.0 CONSTRUCTION SEQUENCE:
- OBTAIN ALL NECESSARY PERMITS.
 - INSTALL EROSION CONTROL MEASURES AS SHOWN ON PLAN.
 - DEMOLITION AND REMOVALS OF EXISTING PAVEMENTS.
 - INSTALL NEW BELOW GRADE UTILITIES AND SUBSURFACE DRAINAGE STRUCTURES AS SHOWN ON PLANS.
 - GRADE AND INSTALL CURBING, PAVEMENTS, LIGHTING AND SIGNAGE AS SHOWN ON PLANS.
 - PLANT, SEED, MULCH AND FERTILIZE ALL DISTURBED AREAS PER SPECIFICATIONS ON PLANS. REMOVE SEDIMENTATION AND EROSION CONTROL MEASURES ONLY AFTER ALL AREAS ARE STABILIZED.
 - THE PERSON RESPONSIBLE FOR THE PROPER IMPLEMENTATION OF THE DESIGN AND/OR FIXING ANY POTENTIAL PROBLEMS IS ASHOK PATEL (781) 856-8206 OR HIS DESIGNEE.
- 2.1 THIS PROJECT WILL REQUIRE APPROVAL FROM THE PLANNING AND ZONING COMMISSION OF THE CITY OF TORRINGTON.

PLANNED EROSION AND SEDIMENTATION CONTROL PRACTICES

SEDIMENT FENCE/HAYBALE BARRIER

A SEDIMENT FENCE AND/OR HAYBALE BARRIER WILL BE CONSTRUCTED AROUND STOCKPILES AND ALONG THE EXTREMITIES OF THE PROPOSED DISTURBED AREAS, AS NECESSARY TO PREVENT SEDIMENT FROM ENTERING ADJACENT AREAS, STREETS AND DRAINAGE STRUCTURES.

CONSTRUCTION ENTRANCE

A CONSTRUCTION ENTRANCE WILL BE INSTALLED FROM MAIDEN LANE AND WILL BE USED AS PRIMARY CONSTRUCTION ACCESS TO THE SITE.

SILT SACKS

SILT SACKS WILL BE USED WITHIN ALL PROPOSED AND EXISTING DRAINAGE STRUCTURES.

TEMPORARY SEEDING

SELECT GRASS SPECIES APPROPRIATE FOR THE SEASON AND SITE CONDITIONS FROM FIGURE TS-2 BELOW. SEED WITH A TEMPORARY SEED MIXTURE WITHIN 7 DAYS AFTER THE SUSPENSION OF GRADING WORK IN DISTURBED AREAS WHERE THE RESUMPTION OF WORK IS EXPECTED TO BE MORE THAN 30 DAYS BUT LESS THAN 1 YEAR. SEEDING OUTSIDE THE OPTIMUM SEEDING DATES GIVEN IN FIGURE TS-2 MAY RESULT IN EITHER INADEQUATE GERMINATION OR LOW PLANT SURVIVAL RATES, REDUCING EROSION CONTROL EFFECTIVENESS.

INSTALL NEEDED EROSION CONTROL MEASURES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, SEDIMENT BASINS AND GRASSED WATERWAYS IN ACCORDANCE WITH THE APPROVED PLAN.

GRADE ACCORDING TO PLANS AND ALLOW FOR THE USE OF APPROPRIATE EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH THE APPROVED PLANS.

IF LOOSEN THE SOIL TO A DEPTH OF 3-4 INCHES WITH A SLIGHTLY ROUGHENED SURFACE. IF THE AREA HAS BEEN RECENTLY LOOSENED OR DISTURBED, NO FURTHER ROUGHENING IS REQUIRED. SOIL PREPARATION CAN BE ACCOMPLISHED BY TRACKING WITH A BULLDOZER, DISCING, HARROWING, RAKING OR DRAGGING WITH A SECTION OF CHAIN LINK FENCE. AVOID EXCESSIVE COMPACTION OF THE SURFACE BY EQUIPMENT TRAVELING BACK AND FORTH OVER THE SURFACE. IF THE SLOPE IS TRACKED, THE GREAT MARKS SHALL BE PERPENDICULAR TO THE ANTICIPATED DIRECTION OF THE FLOW OF SURFACE WATER.

APPLY GROUND LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS (SUCH AS THOSE OFFERED BY THE UNIVERSITY OF CONNECTICUT SOIL TESTING LABORATORY OR OTHER RELIABLE SOURCE). SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL COOPERATIVE EXTENSION SYSTEM OFFICE. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 300 POUNDS PER ACRE OR 7.5 POUNDS PER 1,000 SQ. FT. OR 10-10-10 OR EQUIVALENT. ADDITIONALLY, LIME MAY BE APPLIED USING RATES GIVEN IN FIGURE TS-1.

SOIL TEXTURE	TONS / ACRE OF LIME	lbs. / 1,000 SQ. FT. OF LIME
CLAY, CLAY LOAM AND HIGH ORGANIC SOIL	2	135
SANDY LOAM, LOAM, SILT LOAM	2	90
LOAMY SAND, SAND	1	45

APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTRIPACKER TYPE SEEDER OF HYDROSEEDER AT A MINIMUM RATE FOR THE SELECTED SEED IDENTIFIED IN FIGURE TS-2. INCREASE SEEDING RATES BY 10% WHEN HYDROSEEDING.

TEMPORARY SEEDINGS MADE DURING OPTIMUM SEEDING DATES SHALL BE MULCHED. NOT WHEN SEEDING OUTSIDE OF THE OPTIMUM SEEDING DATES, INCREASE THE APPLICATION OF MULCH TO PROVIDE 95%-100% COVERAGE.

INSPECT SEEDING AREA AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCHES OR GREATER FOR SEED AND MULCH MOVEMENT AND RILL EROSION. WHERE SEED HAS MOVED OR WHERE SOIL EROSION HAS OCCURRED, DETERMINE THE CAUSE OF THE FAILURE. BIRD FEEDING MAY BE A PROBLEM IF MULCH WAS APPLIED TOO THINLY TO PROTECT SEED. RE-SEED AND RE-MULCH. IF MOVEMENT WAS THE RESULT OF WIND, THEN REPAIR EROSION DAMAGE (IF ANY), REAPPLY SEED AND MULCH AND APPLY MULCH ANCHORAGE. IF FAILURE WAS CAUSED BY CONCENTRATED RUNOFF, INSTALL ADDITIONAL MEASURES TO CONTROL WATER AND SEDIMENT MOVEMENT, REPAIR EROSION DAMAGE, RE-SEED AND RE-APPLY MULCH WITH ANCHORING OR USE TEMPORARY EROSION CONTROL BLANKET.

CONTINUE INSPECTIONS UNTIL THE GRASSES ARE FIRMLY ESTABLISHED. GRASSES SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED WHICH IS MATURE ENOUGH TO CONTROL SOIL EROSION AND TO SURVIVE SEVERE WEATHER CONDITIONS (APPROXIMATELY 80% VEGETATIVE SURFACE COVER).

STOCKPILE MANAGEMENT

STOCKPILE MANAGEMENT OF TOPSOIL AND OTHER TYPES OF ERODIBLE SOILS IS NECESSARY TO PREVENT UNNECESSARY DAMAGE RESULTING FROM EROSION OF STOCKPILE MATERIAL. LOCATE STOCKPILES SO THAT NATURAL DRAINAGE IS NOT OBSTRUCTED. ATTEMPT TO MAXIMIZE THE DISTANCE OF STOCKPILES FROM WETLANDS, WATERCOURSES, DRAINAGE WAYS, AND STEEP SLOPES. WHEN THE STOCKPILE IS DOWN GRADIENT FROM A LONG SLOPE, DIVERT RUNOFF WATER AWAY FROM OR AROUND THE STOCKPILE. INSTALL A GEOTEXTILE SILT FENCE OR HAY BALE BARRIER AROUND THE STOCKPILE AREA APPROXIMATELY 10 FEET FROM THE PROPOSED TOE OF THE SLOPE.

THE SIDE SLOPES OF STOCKPILED MATERIAL THAT IS ERODIBLE SHOULD BE NO STEEPER THAN 2:1. STOCKPILES THAT ARE NOT TO BE USED WITHIN 30 DAYS NEED TO BE SEEDED AND MULCHED IMMEDIATELY AFTER FORMATION OF THE STOCKPILE. THE SEED MIX USED DEPENDS UPON THE STOCKPILED MATERIAL AND THE LENGTH OF RIME IT IS TO REMAIN STOCKPILED. INFORMATION GATHERED FROM SOIL BORINGS AND SOIL DELINEATIONS CAN BE USED TO PLAN THE TYPE OF SEED AND ANY SOIL AMENDMENTS THAT ARE APPROPRIATE FOR THE STOCKPILE. AFTER THE STOCKPILE HAS BEEN REMOVED, THE SITE SHOULD BE GRADED AND PERMANENTLY STABILIZED.

IF A STOCKPILE IS LOCATED OFF-SITE, LOCAL ZONING APPROVAL MAY BE REQUIRED. IN ADDITION TO THE ABOVE CRITERIA, STOCKPILES THAT ARE LOCATED OFF-SITE REQUIRE A CONSTRUCTION ENTRANCE PAD INSTALLED AT THAT SITE. DEPENDING ON THE VOLUME OF TRAFFIC, THE INSTALLATION OF "TRUCK CROSSING" SIGNS AND SWEEPING OF THE ROADWAY MAY ALSO BE NECESSARY.

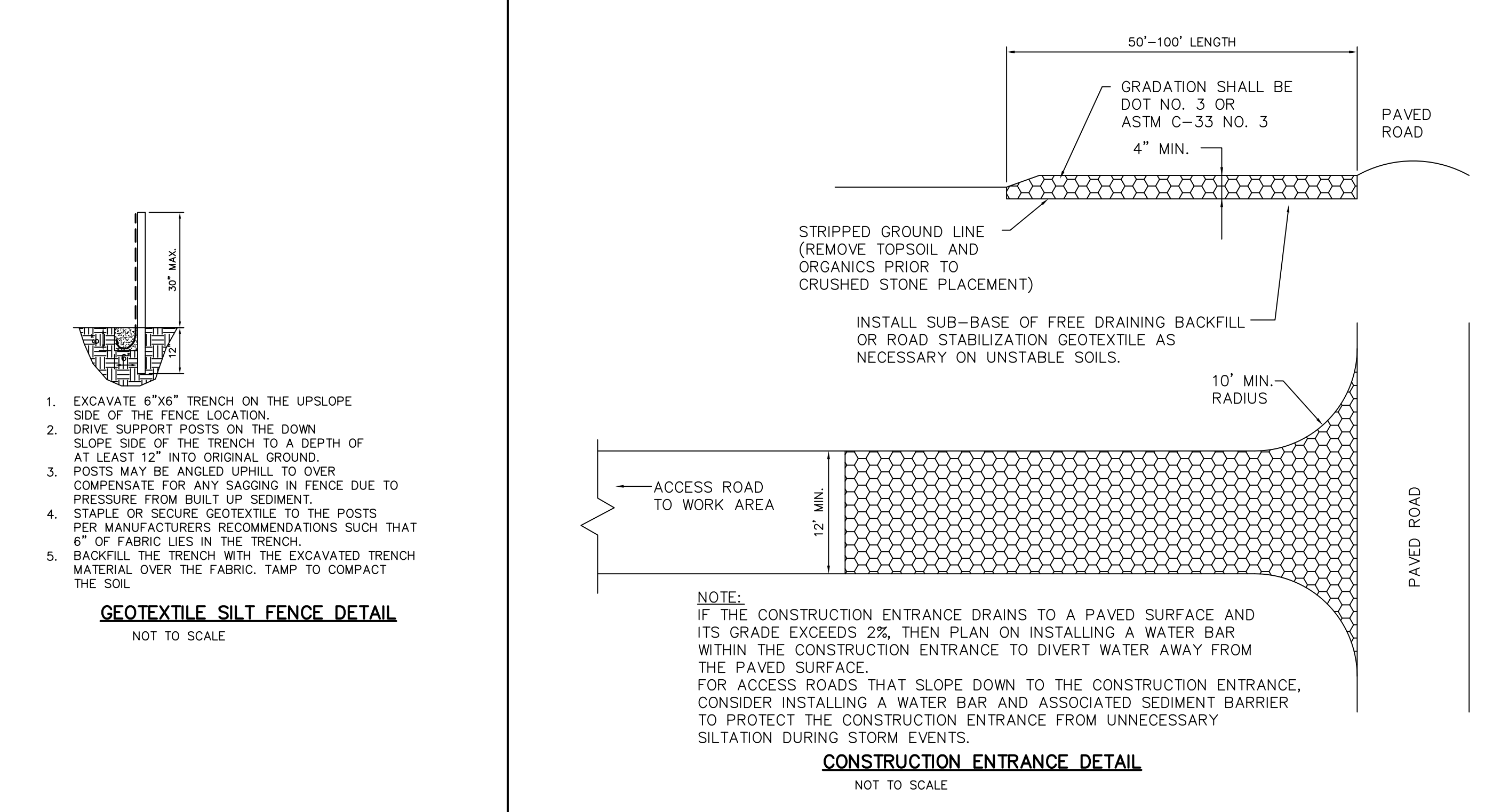
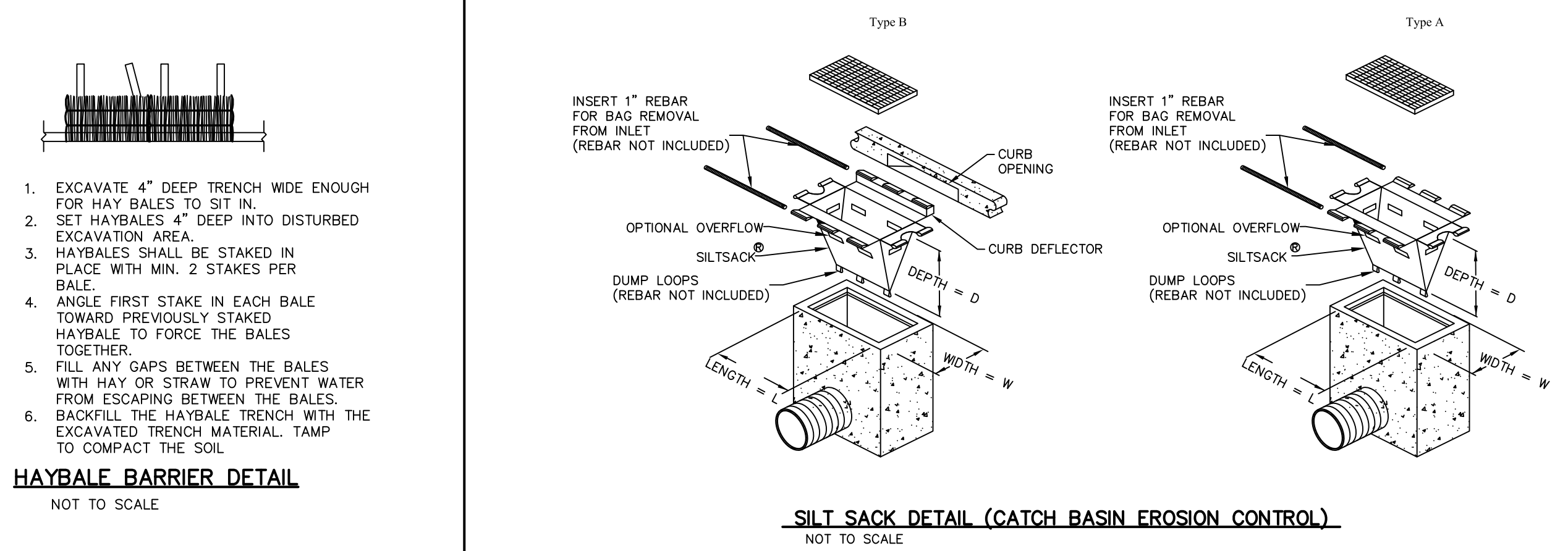
AREA TO BE SEEDED	MIXTURE NUMBER (1)	
	MOWING DESIRED	MOWING NOT REQUIRED
BORROW AREAS, ROADSIDES, DIKES, LEVEES, POND BANKS AND OTHER SLOPES AND BANKS		
A) WELL OR EXCESSIVELY DRAINED SOILS (2)	1, 2, 3, 4, 5 OR 8	5, 6, 7, 8, 9, 10, 11, 12, 16 OR 22
B) SOMEWHAT POORLY DRAINED SOIL (2)	2	5 OR 6
C) VARIABLE DRAINAGE SOILS (2)	2	5, 6 OR 11
DRAINAGE DITCH AND CHANNEL BANKS		
A) WELL OR EXCESSIVELY DRAINED SOILS (2)	1, 2, 3 OR 4	9, 10, 11 OR 12
B) SOMEWHAT POORLY DRAINED SOILS (2)	2	
C) VARIABLE DRAINAGE SOILS (2)	2	
DIVERSIONS		
A) WELL OR EXCESSIVELY DRAINED SOILS (2)	2, 3 OR 4	9, 10 OR 11
B) SOMEWHAT POORLY DRAINED SOILS (2)	2	
C) VARIABLE DRAINAGE SOILS (2)	2	
EFFLUENT DISPOSAL		5 OR 6
GRAVEL PITS (3)		26, 27 OR 28
GULLIED AND ERODED AREAS		3, 4, 5, 8, 10, 11 OR 12
MINESPOIL & WASTE, AND OTHER SPOIL BANKS (IF TOXIC SUBSTANCES & PHYSICAL PROPERTIES NOT LIMITING) (3)		15, 16, 17, 18, 26, 27 OR 28
SHORELINES (FLUCTUATING WATER LEVELS)		5 OR 6
SKI SLOPES		4 OR 10
SOD WATERWAYS AND SPILLWAYS	1, 2, 3, 4, 6, 7 OR 8	1, 2, 3, 4, 6, 7 OR 8
SUNNY RECREATION AREAS (PICNIC AREAS AND PLAYGROUNDS OR DRIVING AND ARCHERY RANGES, NATURE TRAILS)	1, 2 OR 23	
CAMPING AND PARKING, NATURE TRAILS (SHADED)	19, 21 OR 23	
SAND DUNES (BLOWING SAND)	25	
WOODLAND ACCESS ROADS, SKID TRAILS AND LOG YARDING AREAS		9, 10, 16, 22 OR 26
LAWNS AND HIGH MAINTENANCE AREAS	1, 19, 21 OR 29	

(1) THE NUMBERS FOLLOWING IN THESE COLUMNS REFER TO SEED MIXTURES IN FIGURE PS-3 ON SHEET ES-2. MIXES FOR SHADY AREAS ARE UNDERLINED (INCLUDING MIXES 20 THROUGH 24)

(2) SEE COUNTY SOIL SURVEY FOR DRAINAGE CLASS. SOIL SURVEYS ARE AVAILABLE FROM THE COUNTY SOIL AND WATER CONSERVATION DISTRICT OFFICE.

(3) USE MIX 26 WHEN SOIL PASSING A 200 MESH SIEVE IS LESS THAN 15% OF TOTAL WEIGHT. USE MIX 26 & 27 WHEN SOIL PASSING A 200 MESH SIEVE IS BETWEEN 15 AND 20% OF TOTAL WEIGHT. USE MIX 26, 27 AND 28 WHEN SOIL PASSING A 200 MESH SIEVE IS ABOVE 20% OF TOTAL WEIGHT.

EROSION CONTROL DETAILS



SPECIES (4)	SEEDING RATES (LBS)		OPTIMUM SEEDING DATES (1)										PLANT CHARACTERISTICS		
	/ACRE	/1,000 SQ. FT. (INCHES)	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15					
			3/1	4/1	5/1	6/1	7/1	8/1	9/1	10/1					
ANNUAL RYEGRASS LOLIUM MULTIFLORUM	40	1.0	0.5												MAY BE ADDED IN MIXES. WILL MOW OUT OF MOST STANDS.
PERENNIAL RYEGRASS LOLIUM PERENNE	40	1.0	0.5												USE FOR WINTER COVER. TOLERATES COLD AND LOW MOISTURE.
WINTER RYE SECALE CEREALE	120	3.0	1.0												QUICK GERMINATION AND HEAVY SPRING GROWTH. DIES BACK IN JUNE WITH LITTLE REGROWTH.
OATS AVENA SATIVA	86	2.0	1.0												IN NORTHERN CT. WILL WINTER KILL WITH THE FIRST KILLING FROST AND MAY THROUGHOUT THE STATE IN SEVERE WINTERS.
WINTER WHEAT TRITICUM AESTIVUM	120	3.0	1.0												QUICK GERMINATION WITH MODERATE GROWTH. DIES BACK IN JUNE WITH NO REGROWTH.
MILLET ECHINOCHLOA CRUSGALLI	20	0.5	1.0												WARM SEASON SMALL GRAIN. DIES WITH FROST IN SEPTEMBER.
SUDANGRASS AORGHUM SUDANENSE	30	0.7	1.0												TOLERATES WARM TEMPERATURES AND DROUGHTY CONDITIONS.
BUCKWHEAT FAGOPYRUM ESCULENTUM	15	0.4	1.0												HARDY PLANT THAT WILL RESEED ITSELF AND IS GOOD AS A GREEN MANURE CROP.
WEeping LOVEGRASS ERAGOSTIS CURBULA	5	0.2	0.25												WARM SEASON PERENNIAL. MAY BUNCH. TOLERATES HOT, DRY SLOPES, ACID INFERTILE SOILS. EXCELLENT NURSE CROP. USUALLY WINTER KILLS.
DOT ALL PURPOSE MIX (3)	150	3.4	0.5												SUITABLE FOR ALL CONDITIONS.

(1) MAY BE PLANTED THROUGHOUT SUMMER IF SOIL MOISTURE IS ADEQUATE OR CAN BE IRRIGATED. FALL SEEDING MAY BE EXTENDED 15 DAYS IN THE COASTAL TOWNS.
(2) SEED AT TWICE THE INDICATED DEPTH FOR SANDY SOILS.
(3) SEE PERMANENT SEEDING FIGURE PS-3 FOR SEEDING MIXTURE REQUIREMENTS.
(4) LISTED SPECIES MAY BE USED IN COMBINATIONS TO OBTAIN A BROADER TIME SPECTRUM. IF USED IN COMBINATIONS, REDUCE EACH SPECIES PLANTING RATE BY 20% OF THAT LISTED.

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EROSION NUMBER - DESCRIPTION - DATE - INITIAL

PROPOSED EROSION AND SEDIMENTATION CONTROL PLAN
PREPARED FOR
YANKEE PEDLAR INN (JAYSON HOSPITALITY LLC)
93 MAIN STREET
TORRINGTON, CONNECTICUT

SCALE: AS NOTED
FILE NAME: 1034-ES
DATE: 7/10/2023
ISSUED FOR: PERMITTING
PROJECT NO. 1034
DRAWING NO. ES-1

PERMANENT SEEDING

THERE ARE SEVERAL FACTORS THAT SHOULD BE CONSIDERED WHEN EVALUATING A SITE FOR THE ESTABLISHMENT OF PERMANENT VEGETATION. SEEDING DATES IN CONNECTICUT ARE NORMALLY APRIL 1 THROUGH JUNE 15 AND AUGUST 15 THROUGH OCTOBER 1. SPRING SEEDINGS GIVE THE BEST RESULTS AND SPRING SEEDINGS OF ALL MIXES WITH LEGUMES IS RECOMMENDED. THERE ARE TWO EXCEPTIONS TO THE ABOVE DATES. THE FIRST EXCEPTION IS WHEN SEEDINGS WILL BE IN THE AREAS OF CONNECTICUT KNOWN AS THE COASTAL SLOPE AND THE CONNECTICUT RIVER VALLEY. THE COASTAL SLOPE INCLUDES THE COASTAL TOWNS OF NEW LONDON, MIDDLESEX, NEW HAVEN, AND FAIRFIELD COUNTIES. IN THESE AREAS, WITH THE EXCEPTION OF CROWN VETCH (1), THE FINAL FAL SEEDING DATES CAN BE EXTENDED AN ADDITIONAL 15 DAYS. THE SECOND EXCEPTION IS FROST CRACK OR DORMANT SEEDING. IN THIS TYPE OF SEEDING, THE SEED IS APPLIED DURING THE TIME OF YEAR WHEN NO GERMINATION CAN BE EXPECTED, NORMALLY NOVEMBER THROUGH FEBRUARY. GERMINATION WILL TAKE PLACE WHEN WEATHER CONDITIONS IMPROVE. IN THIS TYPE OF SEEDING, MULCHING IS EXTREMELY IMPORTANT TO PROTECT THE SEED FROM WIND AND SURFACE EROSION AND TO PROVIDE EROSION PROTECTION UNTIL THE SEEDLING BECOMES ESTABLISHED.

WET CONDITIONS, SOIL TEXTURE OF THE SITE MAY WARRANT CONSIDERATION FOR THE USE OF TOPSOIL OR SOODING. THE SITE IS IN TERMS OF NATURAL FERTILITY AND SOIL TEXTURE, THE GREATER THE NEED FOR TOPSOIL. THIS IS ESPECIALLY TRUE ON SITES WHERE A HIGH QUALITY VEGETATIVE COVER IS NEEDED EITHER FOR EROSION CONTROL OR AESTHETIC REASONS.

SOIL TEXTURE (RATIO OF GRAVEL, SAND, SILT, CLAY AND ORGANIC MATERIAL) CAN AFFECT THE CHOICE OF A SEED MIXTURE FOR VEGETATING DISTURBED AREAS. FOR EXAMPLE, SITES WHICH HAVE SOILS WITH A LARGE PERCENTAGE OF SANDS AND GRAVELS WILL TEND TO BE DROUGHTY AND THEREFORE REQUIRE A MIXTURE THAT WILL TOLERATE WET CONDITIONS. SOIL TEXTURE OF THE SITE MAY WARRANT CONSIDERATION FOR THE USE OF TOPSOIL OR SOODING. REFERRING TO FIGURE PS-2, CONSIDER THE ULTIMATE USE AND MAINTENANCE REQUIREMENTS OF THE AREA WHEN CHOOSING A SEED MIXTURE TO BE USED. THERE ARE TWO LEVELS OF MAINTENANCE: AREAS THAT WILL BE MOWED AND AREAS THAT WILL NOT.

AREAS THAT WILL BE MOWED CAN HAVE DIFFERENT LEVELS OF MAINTENANCE AND MOWING. GOLF COURSES AND RECREATION AREAS WILL REQUIRE MORE INTENSIVE MANAGEMENT THAN ROADSIDE BANKS AND MEDIANS. AREAS SUCH AS SPOIL BANKS, GRAVEL PITS AND STEEP ROAD BANKS ONCE SEEDING IS ESTABLISHED WILL REQUIRE NO FURTHER MOWING AND LITTLE, IF ANY, MAINTENANCE. AREAS THAT WILL NOT BE MOWED SHOULD BE MAINTAINED AS STEEPER THAN 2:1. UNDER SATURATED CONDITIONS SLOPES COULD DEVELOP DEEP OR SHALLOW SURFACE FAILURES. IN CASES SUCH AS THIS, MAINTENANCE CAN BE A CONSTANT PROBLEM AND THERE CAN BE DANGER TO STRUCTURES. A THOROUGH SITE INVESTIGATION IS NEEDED TO DETERMINE IF ALTERNATIVES SUCH AS BENCHING OR OTHER STRUCTURAL METHODS ARE NEEDED TO ENSURE SOIL STABILITY BEFORE SEEDING IS DONE.

COOL SEASON GRASSES ARE THOSE SPECIES THAT NORMALLY BEGIN GROWTH VERY EARLY IN THE SPRING (LATE MARCH TO EARLY APRIL) AND WILL CONTINUE TO GROW UNTIL WARM WEATHER SETS IN MID-JUNE. AT THE ONSET OF HOT WEATHER, COOL SEASON GRASSES WILL ENTER A STAGE OF DORMANCY AND EXHIBIT LITTLE GROWTH. THEY WILL MAINTAIN THAT DORMANT STATE UNTIL THE COOLER WEATHER OF THE FALL (END OF AUGUST) AND WILL THEN BEGIN TO GROW AGAIN UNTIL LATE FALL (END OF OCTOBER). WARM SEASON GRASSES ON THE OTHER HAND, DO NOT BEGIN VIGOROUS GROWTH UNTIL WARM WEATHER (LATE MAY) AND WILL CONTINUE GROWTH UNTIL COOL WEATHER IN THE LATE FALL (MID DECEMBER). COOL SEASON GRASSES GENERALLY ARE THE SOID FORMERS, SUCH AS BLUEGRASS, WHILE THE WARM SEASON GRASSES, SUCH AS THE PERENNIAL RYES, SO NOT FORM SOID.

SOMETIMES SEEDING WILL OCCUR AFTER A PREVIOUS APPLICATION OF MULCH. IF WOOD CHIPS, BARK OR SIMILAR MATERIALS WERE USED ON THE SEEDING AREA, PLAN ON EITHER REMOVING THE MULCH OR INCORPORATING IT INTO THE SOIL AND APPLYING MORE NITROGEN, PREVIOUSLY APPLIED HAY AND STRAW MULCH CAN BE INCORPORATED INTO THE SOIL WITHOUT ADDING SUPPLEMENTAL NITROGEN.

SELECT A SEED MIXTURE APPROPRIATE TO THE INTENDED USE AND SOIL CONDITIONS FROM FIGURES PS-5 AND FIGURE PS-3 OR USE THE MIXTURES RECOMMENDED BY THE NRCS. FOR SEED MIXTURES CONTAINING LEGUMES, SELECT THE TYPE AND AMOUNT OF INOCULANT THAT IS SPECIFIC FOR THE LEGUME TO BE USED.

WHEN BUYING SEED MAKE SURE THE QUALITY OF THE SEED IS GIVEN FOR PURE LIVE SEED AND GERMINATION RATE. ASK THE SUPPLIER FOR AN AFFIDAVIT OF PURITY AND GERMINATION RATE. IF THERE IS ANY QUESTION, EXPECT A PURITY OF BETWEEN 95% AND 98% AND GERMINATION RATE BETWEEN 70% AND 90%. SOME SEEDING MIXTURES CALL FOR PURE LIVE SEED. AN EXAMPLE OF CALCULATION PURE LIVE SEED IS GIVEN IN FIGURE PS-3.

INCREASE SEEDING RATES 10% WHEN USING FROST CRACK SEEDING(2) OR HYDROSEEDING.

SEED WITH A PERMANENT SEED MIXTURE WITHIN 7 DAYS AFTER ESTABLISHING FINAL GRADES OR WHEN GRADING WORK WITHIN A DISTURBED AREA IS TO BE SUSPENDED FOR A PERIOD MORE THAN 1 YEAR. SEEDING IS RECOMMENDED FROM APRIL 1 THROUGH JUNE 15 AND AUGUST 1 THROUGH OCTOBER 1, WITH THE FOLLOWING EXCEPTIONS: FOR THE COASTAL TOWNS AND IN THE CONNECTICUT RIVER VALLEY FINAL FAL SEEDING DATES CAN BE EXTENDED AN ADDITIONAL 15 DAYS, AND DORMANT OR FROST CRACK SEEDING IS DONE AFTER THE GROUND IS FROZEN.

GRADE ACCORDING TO PLANS, INSTALL ALL NECESSARY SURFACE WATER CONTROLS. FOR AREAS TO BE MOWED REMOVE ALL SURFACE STONES 2 INCHES OR LARGER. REMOVE ALL OTHER DEBRIS SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLODS, LUMPS OR OTHER UNSUITABLE MATERIAL.

NOTE: ON AREAS WHERE WOOD CHIPS AND/OR BARK MULCH WAS PREVIOUSLY APPLIED, EITHER REMOVE THE MULCH OR INCORPORATE IT INTO THE SOIL WITH A NITROGEN FERTILIZER ADDED. NITROGEN APPLICATION RATE IS DETERMINED BY SOIL TEST AT TIME OF SEEDING; ANTICIPATE 12 LBS. NITROGEN PER TON OF WOOD CHIPS AND/OR BARK MULCH.

APPLY TOPSOIL, IF NECESSARY. APPLY FERTILIZER AND GROUND LIMESTONE ACCORDING TO SOIL TESTS CONDUCTED BY THE UNIVERSITY OF CONNECTICUT SOIL TESTING LABORATORY OR OTHER RELIABLE SOURCE. A pH RANGE OF 6.2 TO 7.0 IS OPTIMAL FOR PLANT GROWTH. SOIL TESTING IS NECESSARY TO COVER ALL OF THE ADVANTAGE DISADVANTAGES AND SPECIFICATIONS OF ALL MANUFACTURED BLANKETS. THERE IS NO SUBSTITUTE FOR A THOROUGH UNDERSTANDING OF THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS IN CONJUNCTION WITH A SITE VISIT BY THE EROSION AND SEDIMENTATION PLAN DESIGNER PRIOR TO AND DURING INSTALLATION TO VERIFY A PRODUCT'S APPROPRIATENESS.

IF THE SUCCESS OF TEMPORARY EROSION CONTROL CAPABILITIES NECESSARY FOR THE SPECIFIC PROJECT. AS SUCH, A FINAL INSPECTION SHOULD BE PLANNED TO ENSURE THAT THE LAP JOINTS ARE SECURE, ALL EDGES ARE PROPERLY ANCHORED AND ALL STAKING/STAPLING PATTERNS FOLLOW THE MANUFACTURER'S RECOMMENDATIONS.

TEMPORARY EROSION CONTROL BLANKETS SHALL BE COMPOSED OF FIBERS AND/OR FILAMENTS THAT ARE BIODEGRADABLE OR PHOTODEGRADABLE WITHIN TWO YEARS BUT WITHOUT SUBSTANTIAL DEGRADATION OVER THE PERIOD OF INTENDED USAGE (FIVE MONTHS MAX.) ARE MECHANICALLY, STRUCTURALLY, OR CHEMICALLY BOUND TOGETHER TO FORM A CONTINUOUS MATRIX OF EVEN THICKNESS AND DISTRIBUTION THAT RESIST RAINDROP SPLASH AND WHEN USED WITH SEEDINGS ALLOWS VEGETATION TO PENETRATE THE BLANKET.

ARE OF SUFFICIENT STRUCTURAL STRENGTH TO WITHSTAND STRETCHING OR MOVEMENT BY WIND OR WATER WHEN INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

ARE FREE OF ANY SUBSTANCE TOXIC TO PLANT GROWTH AND UNPROTECTED HUMAN SKIN OR WHICH INTERFERES WITH SEED GERMINATION; CONTAIN NO CONTAMINANTS THAT POLLUTE THE AIR OR WATERS OF THE STATE WHEN PROPERLY APPLIED; AND PROVIDE WITHER 80%-95% SOIL COVERAGE WHEN USED AS A SUBSTITUTE FOR MULCH FOR SEED OR 100% INITIAL SOIL COVERAGE WHEN USED AS A SUBSTITUTE FOR TEMPORARY SOIL.

MATERIALS SHALL BE SELECTED AS APPROPRIATE FOR THE SPECIFIC SITE CONDITIONS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. USE OF ANY PARTICULAR TEMPORARY EROSION CONTROL BLANKET SHOULD BE SUPPORTED BY MANUFACTURER'S TEST DATA THAT CONFIRMS THE BLANKET MEETS THE MATERIAL SPECIFICATIONS AND WILL PROVIDE THE SHORT TERM EROSION CONTROL CAPABILITIES NECESSARY FOR THE SPECIFIC PROJECT.

PREPARE THE SURFACE, REMOVE PROTRUDING OBJECTS AND INSTALL TEMPORARY EROSION CONTROL BLANKETS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ENSURE THAT THE ORIENTATION AND ANCHORING OF THE BLANKET IS APPROPRIATE FOR THE SITE.

THE BLANKET CAN BE LAID OVER AREAS WHERE SPRIGGED GRASS SEEDLINGS HAVE BEEN INSERTED INTO THE SOIL. WHERE LANDSCAPE PLANTINGS ARE PLANNED, LAY THE BLANKET FIRST AND THEN PLANT THROUGH THE BLANKET.

INSPECT THE INSTALLATION TO INSURE THAT ALL LAP JOINTS ARE SECURE, ALL EDGES ARE PROPERLY ANCHORED AND ALL STAKING OR STAPLING PATTERNS FOLLOW MANUFACTURER'S RECOMMENDATIONS.

INSPECT TEMPORARY EROSION CONTROL BLANKETS AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCHES OR GREATER FOR FAILURES. BLANKET FAILURE HAS OCCURRED WHEN (1) SOILS AND/OR SEED HAVE WASHED AWAY FROM BENEATH THE BLANKET AND THE SOIL SURFACE CAN BE EXPECTED TO CONTINUE TO ERODE AT AN ACCELERATED RATE, AND/OR (2) THE BLANKET HAD BECOME DISLODGED FROM THE SOIL SURFACE OR IS TORN.

IF WASHOUTS OR BREAKOUTS OCCUR, RE-INSTALL THE BLANKET AFTER REGRADING AND RE-SEEDING, ENSURING THAT BLANKET INSTALLATION STILL MEETS DESIGN SPECIFICATIONS. WHEN REPETITIVE FAILURES OCCUR AT THE SAME LOCATION, REVIEW CONDITIONS AND LIMITATIONS FOR USE AND DETERMINE IF DIVERSIONS, STONE CHECK DAMS OR OTHER MEASURES ARE NEEDED TO REDUCE FAILURE RATE.

REPAIR AND/OR PERMANENT TURF REINFORCEMENT MAT. IF THERE IS NO EROSION, BUT SEED SURVIVAL IS LESS THAN 100 PLANTS PER SQUARE FOOT AFTER 4 WEEKS OF GROWTH, RE-SEED AS PLANTING SEASON ALLOWS.

CONTINUE INSPECTIONS UNTIL AT LEAST 100 PLANTS PER SQUARE FOOT HAVE GROWN AT LEAST 6 INCHES TALL OR UNTIL THE FIRST MOWING.

ALLOW THE MAJORITY OF PLANTS TO ACHIEVE A HEIGHT OF AT LEAST 6 INCHES BEFORE MOWING IT THE FIRST TIME. DO NOT MOW WHILE THE SURFACE IS WET. MOWING WHILE THE SURFACE IS STILL WET MAY PULL MANY SEEDLINGS FROM THE SOIL AND OFTEN LEAVES A SERIES OF UNNECESSARY RUTS. THE FIRST MOWING SHOULD REMOVE APPROXIMATELY ONE THIRD OF THE GROWTH, DEPENDING UPON THE TYPE OF GRASS AND WHERE IT IS BEING USED. DO NOT MOW GRASS BELOW 3 INCHES.

IF THE SEEDING WAS MULCHED, DO NOT ATTEMPT TO RAKE OUT THE MULCHING MATERIAL. NORMAL MOWING WILL GRADUALLY REMOVE ALL UNWANTED DEBRIS.

MOW AND FERTILIZE AT A RATE THAT SUSTAINS THE AREA IN A CONDITION THAT SUPPORTS THE INTENDED USE, IF APPROPRIATE THE HEIGHT OF CUT MAY BE ADJUSTED DOWNWARD, BY DEGREES, AS NEW PLANTS BECOME ESTABLISHED. CARRY OUT ANY FERTILIZATION PROGRAM IN ACCORDANCE WITH APPROVED SOIL TESTS THAT DETERMINE THE PROPER AMOUNT OF LIME AND FERTILIZER NEEDED TO MAINTAIN A VIGOROUS SOID YET PREVENT EXCESSIVE LEACHING OF NUTRIENTS TO THE GROUNDWATER OR RUNOFF TO SURFACE WATERS.

ALTHOUGH WEEDS MAY APPEAR TO BE A PROBLEM, AND WHEN THEY SHADE THE NEW SEEDLINGS AND HELP CONSERVE SURFACE MOISTURE. DO NOT APPLY WEED CONTROL UNTIL THE NEW SEEDING HAS BEEN MOWED AT LEAST FOUR TIMES.

MULCH FOR SEED

MULCH FOR SEED, INCLUDING TACKIFIERS AND NETTINGS USED TO ANCHOR MULCH, SHALL BE BIODEGRADABLE OR PHOTODEGRADABLE WITHIN 2 YEARS BUT WITHOUT SUBSTANTIAL DEGRADATION OVER A PERIOD OF 6 WEEKS. FREE OF CONTAMINANTS THAT POLLUTE THE AIR OR WATERS OF THE STATE WHEN PROPERLY APPLIED, FREE OF FOREIGN MATERIAL, COARSE STEMS AND ANY SUBSTANCE TOXIC TO PLANT GROWTH OR WHICH INTERFERES WITH SEED GERMINATION, AND CAPABLE OF BEING APPLIED EVENLY SUCH THAT IT PROVIDES 80%-95% SOIL COVERAGE AND STILL ADHERES TO THE SOIL SURFACE, DOES NOT SLIP ON SLOPES WHEN RAINS OR IS WATERED, DOES NOT BLOW OFF SITE, DISSIPATES RAINDROP SPLASH, HOLDS SOIL MOISTURE, MODERATES SOIL TEMPERATURES AND DOES NOT INTERFERE WITH SEED GROWTH.

TYPES OF MULCHES WITHIN THIS SPECIFICATION INCLUDE, BUT ARE NOT LIMITED TO: HAY: THE DRIED STEMS AND LEAFY PARTS OF PLANTS CUT AND HARVESTED, SUCH AS ALFALFA, CLOVERS, OTHER FORAGE LEGUMES AND THE FINER STEMMED, LEAFY GRASSES. STEM LENGTH SHOULD NOT AVERAGE LESS THAN 4 INCHES. HAY THAT CAN BE WINDBLOWN MUST BE ANCHORED. PREFERRED MULCH WHEN SEEDING OCCURS OUTSIDE OF THE RECOMMENDED SEEDING DATES.

STRAW: CUT AND DRIED STEMS OF HERBACEOUS PLANTS, SUCH AS WHEAT BARLEY, CEREAL RYE OR BROOM. THE AVERAGE STEM LENGTH SHOULD NOT BE LESS THAN 4 INCHES. STRAW THAT CAN BE WINDBLOWN SHOULD BE ANCHORED TO HOLD IT IN PLACE.

CELLULOSE FIBER: FIBER ORIGIN IS EITHER VIRGIN WOOD, POST-INDUSTRIAL, PRE-CONSUMER WOOD OR POST-CONSUMER WOOD COMPLYING WITH MATERIALS SPECIFICATION (COLLECTIVELY REFERRED TO AS "WOOD FIBER"). NEWSPAPER, KRAFT PAPER, CARDBOARD (COLLECTIVELY REFERRED TO AS "PAPER FIBER") OR A COMBINATION OF WOOD AND PAPER FIBER. PAPER FIBER, IN PARTICULAR, SHALL NOT CONTAIN SUCH A MATERIAL AS KRAFT PAPER. THE CELLULOSE FIBER MUST BE MANUFACTURED IN SUCH A MANNER THAT AFTER THE ADDITION TO AND AGITATION IN SLURRY TANKS WITH WATER, THE FIBERS IN THE SLURRY BECOME UNIFORMLY SUSPENDED TO FORM A HOMOGENEOUS PRODUCT. SUBSEQUENT TO HYDRAULIC SPRAYING ON THE GROUND, THE MULCH SHALL ALLOW FOR THE ABSORPTION AND PERCOLATION OF MOISTURE AND SHALL NOT FORM A TOUGH CRUST SUCH THAT IT INTERFERES WITH SEED GERMINATION OR GROWTH. GENERALLY APPLIED WITH TACKIFIER AND FERTILIZER. REFER TO MANUFACTURER'S SPECIFICATIONS FOR APPLICATION RATES NEEDED TO ATTAIN 80%-95% COVERAGE WITHOUT INTERFERING WITH SEED GERMINATION OR PLANT GROWTH. NOT RECOMMENDED AS A MULCH FOR USE WHEN SEEDING OCCURS OUTSIDE OF THE RECOMMENDED SEEDING DATES.

OTHER MULCHES ALSO INCLUDE CORN STALKS AND OTHER SIMILAR ORGANIC MATERIALS PROVIDED THEY MEET THE REQUIREMENTS LISTED IN THE FIRST PARAGRAPH. MULCHES THAT DO NOT INCLUDE MATERIALS SUCH AS WOOD CHIPS, BARK CHIPS OR COCCA HULLS. JACKIFIERS WITHIN THIS SPECIFICATION INCLUDE, BUT ARE NOT LIMITED TO:

WATER SOLUBLE MATERIALS THAT CAUSE MULCH PARTICLES TO ADHERE TO ONE ANOTHER, GENERALLY CONSISTING OF EITHER A NATURAL VEGETABLE GUM BLENDED WITH CELLULOSE POLYMERIS OR A BLEND OF HYDROPHILIC POLYMERS, RESINS, VISCOSIFIERS, STICKING AIDS AND GUMS. GOOD FOR AREAS INTENDED TO BE MOWED. CELLULOSE FIBER MULCH MAY BE APPLIED AS A TACKIFIER TO OTHER MULCHES, PROVIDED THE APPLICATION IS SUFFICIENT TO CAUSE THE OTHER MULCHES TO ADHERE TO ONE ANOTHER. EMULSIFIED ASPHALT IS SPECIFICALLY PROHIBITED FOR USE AS TACKIFIER DUE TO ITS POTENTIAL FOR CAUSING WATER POLLUTION FOLLOWING ITS APPLICATION.

NETTINGS WITHIN THIS SPECIFICATION INCLUDE, BUT ARE NOT LIMITED TO: PREFABRICATED OPENWORK FABRICS MADE OF CELLULOSE CORD, ROPES, THREADS, OR BIODEGRADABLE SYNTHETIC MATERIAL THAT IS WOVEN, KNOTTED OR MOLDED IN SUCH A MANNER THAT IT HOLDS MULCH IN PLACE UNTIL VEGETATION GROWTH IS SUFFICIENT TO STABILIZE THE SOIL. GENERALLY USED IN AREAS WHERE NO MOWING IS PLANNED. EXAMPLES OF NETTING ARE TOBACCO NETTING (USED WHERE FLOWS ARE NOT CONCENTRATED) AND JUTE NETTING (TYPICALLY USED IN CANALS).

APPLIED IMMEDIATELY FOLLOWING SEEDING. SOME CELLULOSE FIBER MAY BE APPLIED WITH SEED TO WHERE FIBER HAS BEEN SPRAYED, BUT EXPECT TO APPLY A SECOND APPLICATION OF CELLULOSE FIBER TO MEET THE REQUIREMENTS.

MULCH MATERIAL SHALL BE SPREAD UNIFORM BY HAND OR MACHINE RESULTING IN 80%-95% COVERAGE OF THE DISTURBED SOIL WHEN SEEDING WITHIN RECOMMENDED SEEDING DATES. AREAS RECOMMENDED FOR MULCHING SHOULD BE SMOOTHED THE GERMINATING SEEDS. FOR HAY OR STRAW ANTIPOATE AND APPLICATION RATE OF 2 TONS PER ACRE. FOR CELLULOSE FIBER FOLLOW MANUFACTURER'S RECOMMENDED APPLICATION RATES TO PROVIDE 80%-95% COVERAGE.

CELLULOSE FIBER IS RECOMMENDED SEEDING DATES, INCREASE MULCH APPLICATION RATE TO PROVIDE BETWEEN 95%-100% COVERAGE OF THE DISTURBED SOIL. FOR HAY OR STRAW ANTIPOATE AN APPLICATION RATE OF 2.5 TO 3 TONS PER ACRE.

WHEN NEEDED, MULCH ANCHORING IS APPLIED WITHER WITH THE MULCH AS WITH CELLULOSE FIBER OR APPLIED IMMEDIATELY FOLLOWING MULCH APPLICATION. EXPECT THE NEED FOR MULCH ANCHORING ALONG THE SHOULDERS OF ACTIVELY TRAVELED ROADS, HILL TOPS, AND LONG OPEN SLOPES NOT PROTECTED BY WIND BREAKS.

WHEN USING NETTING, THE MOST CRITICAL ASPECT IS TO ENSURE THAT THE NETTING MAINTAINS CONTINUOUS CONTACT WITH THE UNDERLYING MULCH AND THE MULCH, IN TURN, MAINTAINS CONTINUOUS CONTACT WITH THE SOIL SURFACE. WITHOUT SUCH CONTACT, THE MATERIAL IS USELESS AND EROSION OCCURS. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

NETTING SHOULD BE APPLIED AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCHES OR GREATER UNTIL THE GRASS HAS GERMINATED TO DETERMINE MAINTENANCE NEEDS.

WHERE MULCH HAS NEEDED MOVED OR WHERE SOIL EROSION HAS OCCURRED, DETERMINE THE CAUSE OF THE FAILURE. IF IT WAS THE RESULT OF WIND, THEN REPAIR EROSION DAMAGE (IF ANY), RE-APPLY MULCH (AS NEEDED) AND CONSIDER APPLYING A NETTING OR TACKIFIER. IF MULCH FAILURE WAS CAUSED BY CONCENTRATING WATER, INSTALL ADDITIONAL MEASURES TO CONTROL WATER AND SEDIMENT MOVEMENT, REPAIR EROSION DAMAGE, RE-APPLY MULCH AND CONSIDER APPLYING A NETTING OR TACKIFIER.

TEMPORARY EROSION CONTROL BLANKET (ECB)

WHEN CONSIDERING THE USE OF ECB KEEP IN MIND THE BLANKETS CAPABILITY TO CONFORM TO GROUND SURFACES IRREGULARITIES. IF THE BLANKET IS NOT CAPABLE OF DEVELOPING A CONTINUOUS CONTACT WITH THE SOIL THEN IT MUST BE APPLIED TO A FINE GRADED SURFACE. SOME BLANKETS WILL SOFTEN AND WHEN WETTED RECONFORM TO THE GROUND. ALSO, WHEN THE GROUND IS FROZEN, PROPER ANCHORING CAN BE DIFFICULT, IF NOT IMPOSSIBLE.

CARE MUST BE TAKEN TO CHOOSE THE TYPE OF BLANKET WHICH IS MOST APPROPRIATE FOR THE SPECIFIC NEED OF THE PROJECT. WITH THE ABUNDANCE OF EROSION CONTROL BLANKETS AVAILABLE, IT IS IMPOSSIBLE TO COVER ALL OF THE ADVANTAGE DISADVANTAGES AND SPECIFICATIONS OF ALL MANUFACTURED BLANKETS. THERE IS NO SUBSTITUTE FOR A THOROUGH UNDERSTANDING OF THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS IN CONJUNCTION WITH A SITE VISIT BY THE EROSION AND SEDIMENTATION PLAN DESIGNER PRIOR TO AND DURING INSTALLATION TO VERIFY A PRODUCT'S APPROPRIATENESS.

IF THE SUCCESS OF TEMPORARY EROSION CONTROL CAPABILITIES NECESSARY FOR THE SPECIFIC PROJECT. AS SUCH, A FINAL INSPECTION SHOULD BE PLANNED TO ENSURE THAT THE LAP JOINTS ARE SECURE, ALL EDGES ARE PROPERLY ANCHORED AND ALL STAKING/STAPLING PATTERNS FOLLOW THE MANUFACTURER'S RECOMMENDATIONS.

TEMPORARY EROSION CONTROL BLANKETS SHALL BE COMPOSED OF FIBERS AND/OR FILAMENTS THAT ARE BIODEGRADABLE OR PHOTODEGRADABLE WITHIN TWO YEARS BUT WITHOUT SUBSTANTIAL DEGRADATION OVER THE PERIOD OF INTENDED USAGE (FIVE MONTHS MAX.) ARE MECHANICALLY, STRUCTURALLY, OR CHEMICALLY BOUND TOGETHER TO FORM A CONTINUOUS MATRIX OF EVEN THICKNESS AND DISTRIBUTION THAT RESIST RAINDROP SPLASH AND WHEN USED WITH SEEDINGS ALLOWS VEGETATION TO PENETRATE THE BLANKET.

ARE OF SUFFICIENT STRUCTURAL STRENGTH TO WITHSTAND STRETCHING OR MOVEMENT BY WIND OR WATER WHEN INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

ARE FREE OF ANY SUBSTANCE TOXIC TO PLANT GROWTH AND UNPROTECTED HUMAN SKIN OR WHICH INTERFERES WITH SEED GERMINATION; CONTAIN NO CONTAMINANTS THAT POLLUTE THE AIR OR WATERS OF THE STATE WHEN PROPERLY APPLIED; AND PROVIDE WITHER 80%-95% SOIL COVERAGE WHEN USED AS A SUBSTITUTE FOR MULCH FOR SEED OR 100% INITIAL SOIL COVERAGE WHEN USED AS A SUBSTITUTE FOR TEMPORARY SOIL.

MATERIALS SHALL BE SELECTED AS APPROPRIATE FOR THE SPECIFIC SITE CONDITIONS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. USE OF ANY PARTICULAR TEMPORARY EROSION CONTROL BLANKET SHOULD BE SUPPORTED BY MANUFACTURER'S TEST DATA THAT CONFIRMS THE BLANKET MEETS THE MATERIAL SPECIFICATIONS AND WILL PROVIDE THE SHORT TERM EROSION CONTROL CAPABILITIES NECESSARY FOR THE SPECIFIC PROJECT.

PREPARE THE SURFACE, REMOVE PROTRUDING OBJECTS AND INSTALL TEMPORARY EROSION CONTROL BLANKETS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ENSURE THAT THE ORIENTATION AND ANCHORING OF THE BLANKET IS APPROPRIATE FOR THE SITE.

THE BLANKET CAN BE LAID OVER AREAS WHERE SPRIGGED GRASS SEEDLINGS HAVE BEEN INSERTED INTO THE SOIL. WHERE LANDSCAPE PLANTINGS ARE PLANNED, LAY THE BLANKET FIRST AND THEN PLANT THROUGH THE BLANKET.

INSPECT THE INSTALLATION TO INSURE THAT ALL LAP JOINTS ARE SECURE, ALL EDGES ARE PROPERLY ANCHORED AND ALL STAKING OR STAPLING PATTERNS FOLLOW MANUFACTURER'S RECOMMENDATIONS.

INSPECT TEMPORARY EROSION CONTROL BLANKETS AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCHES OR GREATER FOR FAILURES. BLANKET FAILURE HAS OCCURRED WHEN (1) SOILS AND/OR SEED HAVE WASHED AWAY FROM BENEATH THE BLANKET AND THE SOIL SURFACE CAN BE EXPECTED TO CONTINUE TO ERODE AT AN ACCELERATED RATE, AND/OR (2) THE BLANKET HAD BECOME DISLODGED FROM THE SOIL SURFACE OR IS TORN.

IF WASHOUTS OR BREAKOUTS OCCUR, RE-INSTALL THE BLANKET AFTER REGRADING AND RE-SEEDING, ENSURING THAT BLANKET INSTALLATION STILL MEETS DESIGN SPECIFICATIONS. WHEN REPETITIVE FAILURES OCCUR AT THE SAME LOCATION, REVIEW CONDITIONS AND LIMITATIONS FOR USE AND DETERMINE IF DIVERSIONS, STONE CHECK DAMS OR OTHER MEASURES ARE NEEDED TO REDUCE FAILURE RATE.

REPAIR AND/OR PERMANENT TURF REINFORCEMENT MAT. IF THERE IS NO EROSION, BUT SEED SURVIVAL IS LESS THAN 100 PLANTS PER SQUARE FOOT AFTER 4 WEEKS OF GROWTH, RE-SEED AS PLANTING SEASON ALLOWS.

CONTINUE INSPECTIONS UNTIL AT LEAST 100 PLANTS PER SQUARE FOOT HAVE GROWN AT LEAST 6 INCHES TALL OR UNTIL THE FIRST MOWING.

ALLOW THE MAJORITY OF PLANTS TO ACHIEVE A HEIGHT OF AT LEAST 6 INCHES BEFORE MOWING IT THE FIRST TIME. DO NOT MOW WHILE THE SURFACE IS WET. MOWING WHILE THE SURFACE IS STILL WET MAY PULL MANY SEEDLINGS FROM THE SOIL AND OFTEN LEAVES A SERIES OF UNNECESSARY RUTS. THE FIRST MOWING SHOULD REMOVE APPROXIMATELY ONE THIRD OF THE GROWTH, DEPENDING UPON THE TYPE OF GRASS AND WHERE IT IS BEING USED. DO NOT MOW GRASS BELOW 3 INCHES.

IF THE SEEDING WAS MULCHED, DO NOT ATTEMPT TO RAKE OUT THE MULCHING MATERIAL. NORMAL MOWING WILL GRADUALLY REMOVE ALL UNWANTED DEBRIS.

MOW AND FERTILIZE AT A RATE THAT SUSTAINS THE AREA IN A CONDITION THAT SUPPORTS THE INTENDED USE, IF APPROPRIATE THE HEIGHT OF CUT MAY BE ADJUSTED DOWNWARD, BY DEGREES, AS NEW PLANTS BECOME ESTABLISHED. CARRY OUT ANY FERTILIZATION PROGRAM IN ACCORDANCE WITH APPROVED SOIL TESTS THAT DETERMINE THE PROPER AMOUNT OF LIME AND FERTILIZER NEEDED TO MAINTAIN A VIGOROUS SOID YET PREVENT EXCESSIVE LEACHING OF NUTRIENTS TO THE GROUNDWATER OR RUNOFF TO SURFACE WATERS.

ALTHOUGH WEEDS MAY APPEAR TO BE A PROBLEM, AND WHEN THEY SHADE THE NEW SEEDLINGS AND HELP CONSERVE SURFACE MOISTURE. DO NOT APPLY WEED CONTROL UNTIL THE NEW SEEDING HAS BEEN MOWED AT LEAST FOUR TIMES.

FIGURE PLANNING I MULCHING SECTION CHART			
MULCH TYPE	EXPOSURE PERIOD	HOW APPLIED	LIMITATIONS / CONSIDERATIONS
TEMPORARY SOIL PROTECTION - TEMPORARY SOIL COVER WHEN SEEDING DATES CANNOT BE MET			
STRAW/HAY	0-6 MONTHS	BY HAND OR BLOWN BY MACHINE	<ul style="list-style-type: none"> PREFERRED OVER OTHER MULCHES. REQUIRES ANCHORING IN WINDY AREAS HAY WILL TYPICALLY SUPPLY WEED SEEDS, STRAW WILL NOT.
CELLULOSE FIBER	NOT RECOMMENDED	NOT RECOMMENDED	* USE ONLY AS A TACKIFIER FOR OTHER MULCH MATERIAL
WOOD CHIPS	> 1 YEAR	BY HAND OR BLOWN BY MACHINE	<ul style="list-style-type: none"> RESTRICTED TO SLOPES 3 ON 1 OR FLATTER. MAY BE REMOVED OR TILLED INTO GROUND BEFORE SEEDING OR PLANTING MAY REDUCE SOIL FERTILITY DURING DECAY PROCESS REQUIRING SUBSEQUENT FERTILIZATION FOR PLANT GROWTH LASTS LONGER THAN STRAW/HAY NO ANCHORING REQUIRED
BARK CHIPS / SHREDDED BARK	0-1 YEAR	BY HAND	* SAME AS WOOD CHIPS
MULCH FOR SEED - TEMPORARY SOIL COVER UNTIL SEEDS GERMINATE AND GROW SUFFICIENTLY TO STABILIZE SOIL			
STRAW/HAY	0-6 MONTHS	BY HAND OR BLOWN BY MACHINE	<ul style="list-style-type: none"> REQUIRES ANCHORING IN WINDY AREAS HAY WILL SUPPLY WEED SEED, STRAW WILL NOT MAY PROVIDE BETTER SHADING AGAINST HOT SUMMER SUN FOR SEEDING DONE AT THE BEGINNING OF SUMMER
CELLULOSE FIBER	0-6 MONTHS	SPRAYED IN SLURRY WITH WATER	<ul style="list-style-type: none"> NO VOLUNTARY WEED SEEDS, LAWN SEEDING WOOD FIBER PER UNIT COST GENERALLY MORE EXPENSIVE THAN PAPER FIBER, BUT REQUIRES LESS PRODUCT FOR EQUIVALENT COVERAGE MAY BE USED IN SUMMER WITH SEED ONLY IF ADEQUATE IRRIGATION IS PLANNED
WOOD CHIPS	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
BARK CHIPS / SHREDDED BARK	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
LANDSCAPE MULCH - SOIL COVER INHIBITING WEED GROWTH AROUND PLANTED TREES, SHRUBS & VINES			
STRAW/HAY	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
CELLULOSE FIBER	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
WOOD CHIPS	> 1 YEAR	BY HAND OR GRADED BY MACHINE	<ul style="list-style-type: none"> MAY REDUCE SOIL FERTILITY DURING DECAY PROCESS, REQUIRING APPLICATION OF NITROGEN SPLIPAGE MAY OCCUR ON STEEPER SLOPES IF WOOD CHIPS ARE APPLIED OVER A LARGE AREA
BARK CHIPS / SHREDDED BARK	0-1 YEAR	BY HAND	* SAME AS WOOD CHIPS

FIGURE PS-3 SEED MIXTURES FOR PERMANENT SEEDING			
NO.	SEED MIXTURE (VARIETY)	LBS/ACRE	LBS/1,000 SF
1(5)	KENTUCKY BLUEGRASS CREEPING RED FESCUE (PENNLAWN, WINTERGREEN) PERENNIAL RYEGRASS (NORLEA, MANHATTEN)	20 2 5 TOTAL 45	.45 .10 .45 TOTAL 1.00
2(5)	CREEPING RED FESCUE (PENLAWN, WINTERGREEN) REDTOP (STREEKER, COMMON) TALL FESCUE (KENTUCKY 31) OR SMOOTH BROMEGRASS (SARATOGA, LINCOLN)	20 2 20 TOTAL 42	.45 .05 .45 TOTAL .95
3(5)	CREEPING RED FESCUE (PENNLAWN, WINTERGREEN) BIRD'S-FOOT TREFLOID (EMPIRE, VIKING) WITH INOCULANT(1) TALL FESCUE (KENTUCKY 31) OR SMOOTH BROMEGRASS (SARATOGA, LINCOLN)	20 8 20 TOTAL 48	.45 .20 .45 TOTAL 1.10
4(5)	CREEPING RED FESCUE (PENNLAWN, WINTERGREEN) OR TALL FESCUE (KENTUCKY 31) REDTOP (STREEKER, COMMON) BIRD'S-FOOT TREFLOID (EMPIRE, VIKING) WITH INOCULANT(1)	20 2 8 TOTAL 30	.45 .05 .20 TOTAL .70
5(5)	WHITE CLOVER PERENNIAL RYE GRASS	10 2 TOTAL 12	.25 .05 TOTAL .30
6(5)	CREEPING RED FESCUE REDTOP (STREEKER, COMMON) PERENNIAL RYE GRASS	20 2 20 TOTAL 42	.50 .05 .50 TOTAL 1.05
7(5)	SMOOTH BROMEGRASS (SARATOGA, LINCOLN) PERENNIAL RYEGRASS (NORLEA, MANHATTEN) BIRD'S-FOOT TREFLOID (EMPIRE, VIKING) WITH INOCULANT(1)	15 5 10 TOTAL 30	.35 .10 .25 TOTAL .79
8(6)	SWITCHGRASS (BLACKWELL, SHELTER, CAVE-IN-ROCK) WEEPING LOVEGRASS LITTLE BLUESTEM (BLAZE, ALDOUS, CAMPER)	10(1) 3 23 TOTAL 33	.25 .07 .45 TOTAL .77
9(5)	CREEPING RED FESCUE (PENNLAWN, WINTERGREEN) CROWN VETCH (CHEMUNG, PENNGIFT) WITH INOCULANT(1) (OR FLATPEA (LATHCO) WITH INOCULENT(1)) TALL FESCUE (KENTUCKY 31) OR SMOOTH BROMEGRASS (SARATOGA, LINCOLN) REDTOP (STREEKER, COMMON)	10(1) 3 10 15 2 TOTAL 42 (OR 57)	.25 .07 (.75) .45 .05 TOTAL 1.00 (OR 1.40)
10(5)	CREEPING RED FESCUE (PENNLAWN, WINTERGREEN) REDTOP (STREEKER, COMMON) CROWN VETCH (CHEMUNG, PENNGIFT) WITH INOCULENT(1) (OR FLATPEA (LATHCO) WITH INOCULENT(1))	20 3 15 30 TOTAL 37 (OR 52)	.45 .05 (.75) .45 TOTAL .85 (OR 1.25)
11(5)	BIRD'S-FOOT TREFLOID (EMPIRE, VIKING) WITH INOCULENT(1) CROWN VETCH (CHEMUNG, PENNGIFT) WITH INOCULENT(1) CREEPING RED FESCUE (PENNLAWN, WINTERGREEN) OR TALL FESCUE (KENTUCKY 31)	8 15 TOTAL 23	.20 .35 TOTAL .55
12(6)	SWITCHGRASS (BLACKWELL, SHELTER, CAVE-IN-ROCK) PERENNIAL RYEGRASS (NORLEA, MANHATTEN) CROWN VETCH (CHEMUNG, PENNGIFT) WITH INOCULENT(1)	10 5 15 TOTAL 30	.25 .10 .35 TOTAL .70
13(6)	CROWN VETCH (CHEMUNG, PENNGIFT) WITH INOCULENT (OR FLATPEA (LATHCO) WITH INOCULENT(1)) SWITCHGRASS (BLACKWELL, SHELTER, CAVE-IN-ROCK) PERENNIAL RYEGRASS (NORLEA, MANHATTEN)	10 30 5(1) 5 TOTAL 20 (OR 40)	.25 (.75) .10 .10 TOTAL .45 (OR .95)
14(5)	CROWN VETCH (CHEMUNG, PENNGIFT) WITH INOCULENT(1) (OR FLATPEA (LATHCO) WITH INOCULENT(1)) PERENNIAL RYEGRASS (NORLEA, MANHATTEN)	15 30 10 TOTAL 25 (OR 40)	.35 (.75) .25 TOTAL .80 (OR 1.00)
15(6)	SWITCHGRASS (BLACKWELL, SHELTER, CAVE-IN-ROCK) BIG BLUESTEM (NIAGRA, KAW) OR LITTLE BLUESTEM (BLAZE, ALDOUS, CAMPER) PERENNIAL RYEGRASS (NORLEA, MANHATTEN) BIRD'S-FOOT TREFLOID (EMPIRE, VIKING) WITH INOCULENT		