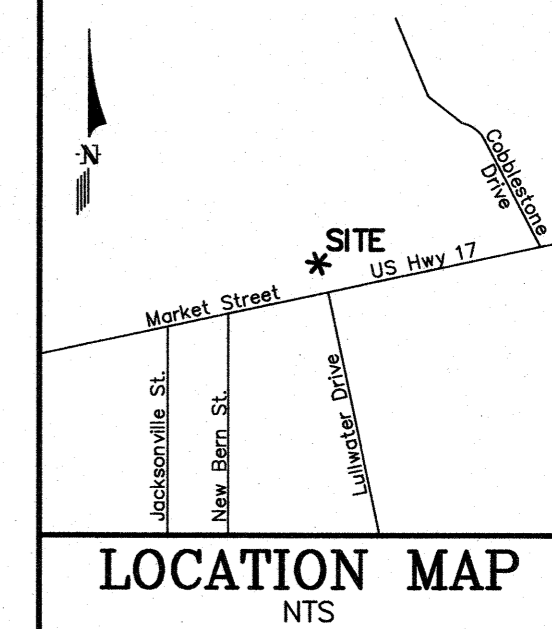


- SITE INVENTORY NOTES:**
- PREPARER OF THE PLAN: TRIPP ENGINEERING, P.C.
 - APPLICANT NAME: SERAI ENTERPRISES, INC.
 - SITE ADDRESS OF THE DEVELOPMENT: 5001 MARKET STREET
 - PROPERTY OWNER: SERAI ENTERPRISES, INC.
 - DEVELOPER: SERAI ENTERPRISES, INC.
 - PROPERTY BOUNDARY: SEE PLAN
TAX PARCEL INFORMATION: R04915-001-010-000
 - PROPERTY ZONING: RB; REGIONAL BUSINESS DISTRICT
 - ADJACENT PROPERTY OWNER INFORMATION: SEE PLAN
 - VICINITY MAP: SEE PLAN
 - TOPOGRAPHY: SEE PLAN
 - 100-YEAR FLOOD BOUNDARY: N/A
 - EXISTING DITCHES, CREEKS AND STREAMS: NONE
 - SOIL: Ur; URBAN LAND AND Se; SEAGATE FINE SAND
 - CAMA AEC: N/A
 - CAMA LAND CLASSIFICATION: URBAN
 - CONSERVATION RESOURCES: NONE
ASSOCIATED SETBACKS: N/A
 - HISTORIC OR ARCHAEOLOGICAL SITE: N/A
 - CEMETERIES, BURIAL SITES/GROUNDS: N/A
 - FORESTED AREAS, HABITAT AND DOMINANT SPECIES: N/A
 - WETLANDS: NONE
 - PROTECTED SPECIES OR HABITAT: N/A
 - EXISTING OR PROPOSED THOROUGHFARES, BIKE ROUTES, PEDESTRIAN SIDEWALKS OR TRAILS AND TRANSIT FACILITIES: SEE SITE PLAN
 - EXISTING TREES: SEE PLAN

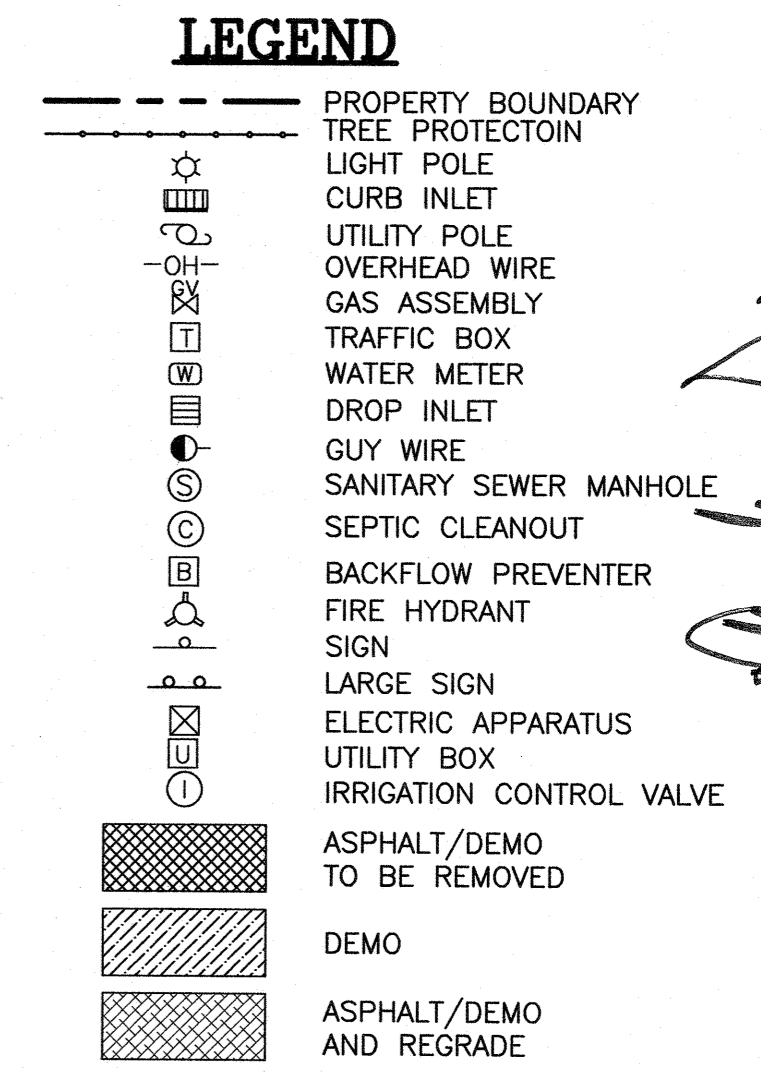


REVISIONS		
No./Date	Description	By
4/05/19	RESPONSE LETTER REV	JET
4/15/19	REVISE TREES/DEMOS	JET
6/3/19	REVISE DEMO ISLANDS	JET
7/2/19	ADD TREE CHART	JET

INVENTORY OF TREES TO BE REMOVED			INVENTORY OF TREES TO BE PRESERVED			CREDIT FOR PRESERVED TREES				
TREE TYPE	TREE SIZE	QUANTITY	TREE TYPE	TREE SIZE	QUANTITY	TOTAL DBH	DBH	CREDIT PER	QUANTITY	CREDIT
PINE	20"	1	PINE	19"	1	19	2-5	1	3	3*1 = 3
PINE	21"	2	GUM	24"	1	24	12-17	3	1	3*1 = 3
PINE	22"	3	MAPLE	20"	1	20	18-23	4	2	2*4 = 8
PINE	23"	1	HOLLY	5"	1	5	>24	(DBH/6)	1	2*4 = 8
PINE	24"	5	TWIN HOLLY	5"/5"	1	10				2*4 = 8
PINE	25"	2	CREPE MYRTLE CLUSTER	14"	1	14				
PINE	26"	2								
BRADFORD PEAR	8"	1								
BRADFORD PEAR	9"	1								
									TREES (CREDIT)	18

TREE MITIGATION CHART				
TREE TYPE	TREE SIZE	# OF TREES	% MITIGATION	REPLACEMENT TREES REQUIRED
PINE	20 IN.	1	100	20x1.00/3=6
PINE	21 IN.	2	100	42x1.00/3=14
PINE	22 IN.	3	100	66x1.00/3=22
PINE	23 IN.	1	100	23x1.00/3=7
*PINE	24 IN.	5	100	120x(1.00x2)/3=80
*PINE	25 IN.	2	100	50x(1.00x2)/3=33
*PINE	26 IN.	2	100	52x(1.00x2)/3=34
*BRADFORD PEAR	8 IN.	1	25	8x(2X0.25)=4
*BRADFORD PEAR	9 IN.	1	25	9x(2X0.25)=4

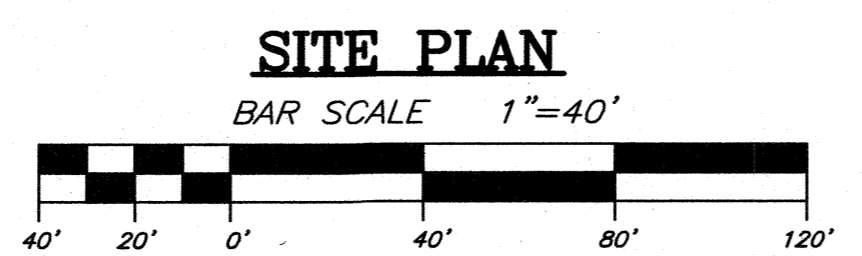
NOTES:
 TOTAL REPLACEMENT TREES REQUIRED = 204 TREES,
 18 TREES (CREDIT)
 186 TREES
 TOTAL: 186" / 2 = 93 TREE 2" CAL. TO BE MITIGATED X \$350 PER TREE = \$32,550 TO BE PAID IN LIEU.
 *INDICATES SIGNIFICANT TREE



CITY OF WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN
 Date: _____ Permit # _____
 Signed: _____

Approved Construction Plan		
Name	Date	
Planning		
Traffic		
Fire		

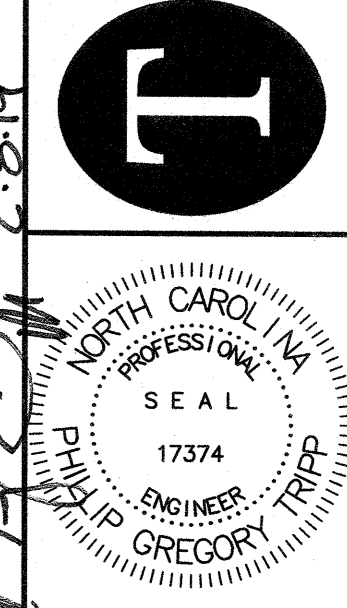
For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.



SITE INVENTORY PLAN

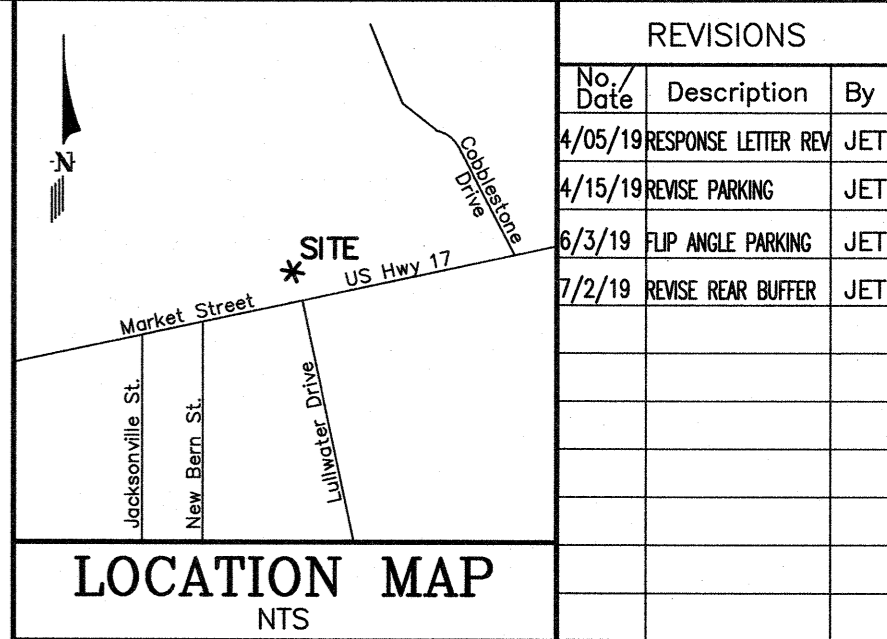
TRU & TAPESTRY HOTEL
 5001 MARKET STREET
 WILMINGTON, NORTH CAROLINA

TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
 Fax 910-763-5681
© 2014, TRIPP ENGINEERING, P.C. LICENSE NO. CE-1527



DATE 02-08-19
 DESIGN PGT
 DRAWN JET

C1
 SHEET 1 OF 7
 17068



REVISIONS		
No./Date	Description	By
4/05/19	RESPONSE LETTER REV	JET
4/15/19	PARKING	JET
6/3/19	FLP ANGLE PARKING	JET
7/2/19	REVERSE BEAR BUFFER	JET

PROPERTY OWNER: SERAJ ENTERPRISES, INC.
 PROJECT ADDRESS: 5001 MARKET STREET
 PIN NUMBERS: R04915-001-010-000
 AREA NOT IN A FEMA 100-YEAR FLOOD ZONE
 TRACT AREA: 193,914 SF (4.45 AC)
 DISTURBED AREA: 2.28 AC
 ZONING DISTRICT: RB: REGIONAL BUSINESS
 SETBACKS REQUIRED: FRONT: 25', REAR: 15', SIDE: 0'

PROPOSED BUILDING SETBACK (VESTIBULE): FRONT: 66.7', REAR: -', SIDE: 124.8'
 PROPOSED BUILDING SETBACK (HOTEL): FRONT: 65.9', REAR: 66.6', SIDE: 66.6'
 CAMA LAND USE BUILDING USE: HOTEL
 PROPOSED BUILDING AREA: 53,483 SF
 BUILDING LOT COVERAGE (53,483/193,914): 27.58%
 NUMBER OF BUILDINGS: 2
 EXISTING UNITS: 100
 PROPOSED UNITS: 207
 TOTAL UNITS: 307
 BUILDING HEIGHT (HOTEL/VESTIBULE): 40/20'
 NUMBER OF STORIES (HOTEL/VESTIBULE): 4/1
 GROSS SF PER FLOOR (HOTEL): 13,469 SF
 GROUND FLOOR: 13,201 SF
 2ND, 3RD & 4TH FLOORS: 369 SF
 GROSS SF PER FLOOR (VESTIBULE): 15,779 SF
 ASPHALT TO BE REMOVED AND RE GRADED

EXISTING IMPERVIOUS AREAS:
 EXISTING BUILDING: 38,893 SF
 EXISTING ASPHALT: 83,976 SF
 EXISTING CONCRETE: 10,838 SF
 EXISTING POOL (TO BE REMOVED): 4,336 SF
 EXISTING IMPERVIOUS AREA: 138,043 SF
 EXISTING IMPERVIOUS TO BE REMOVED: -23,341 SF
 EXISTING IMPERVIOUS AREA: 114,702 SF

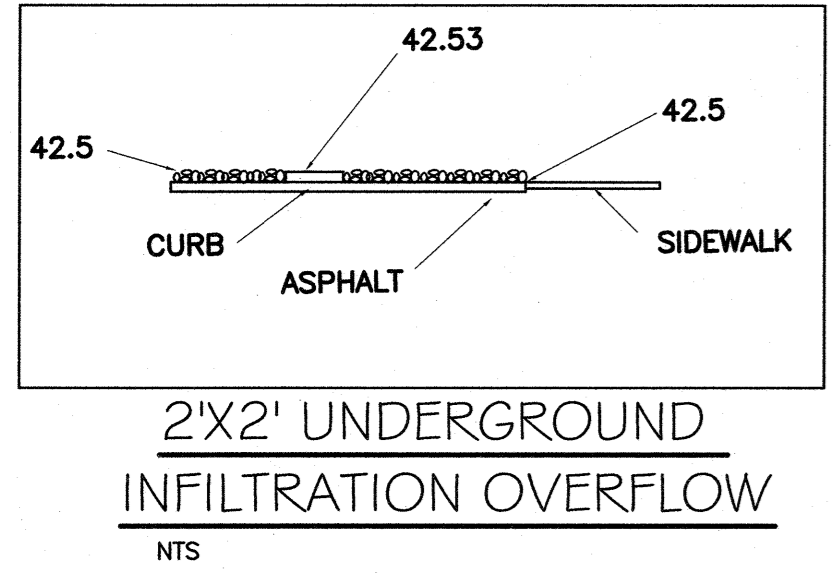
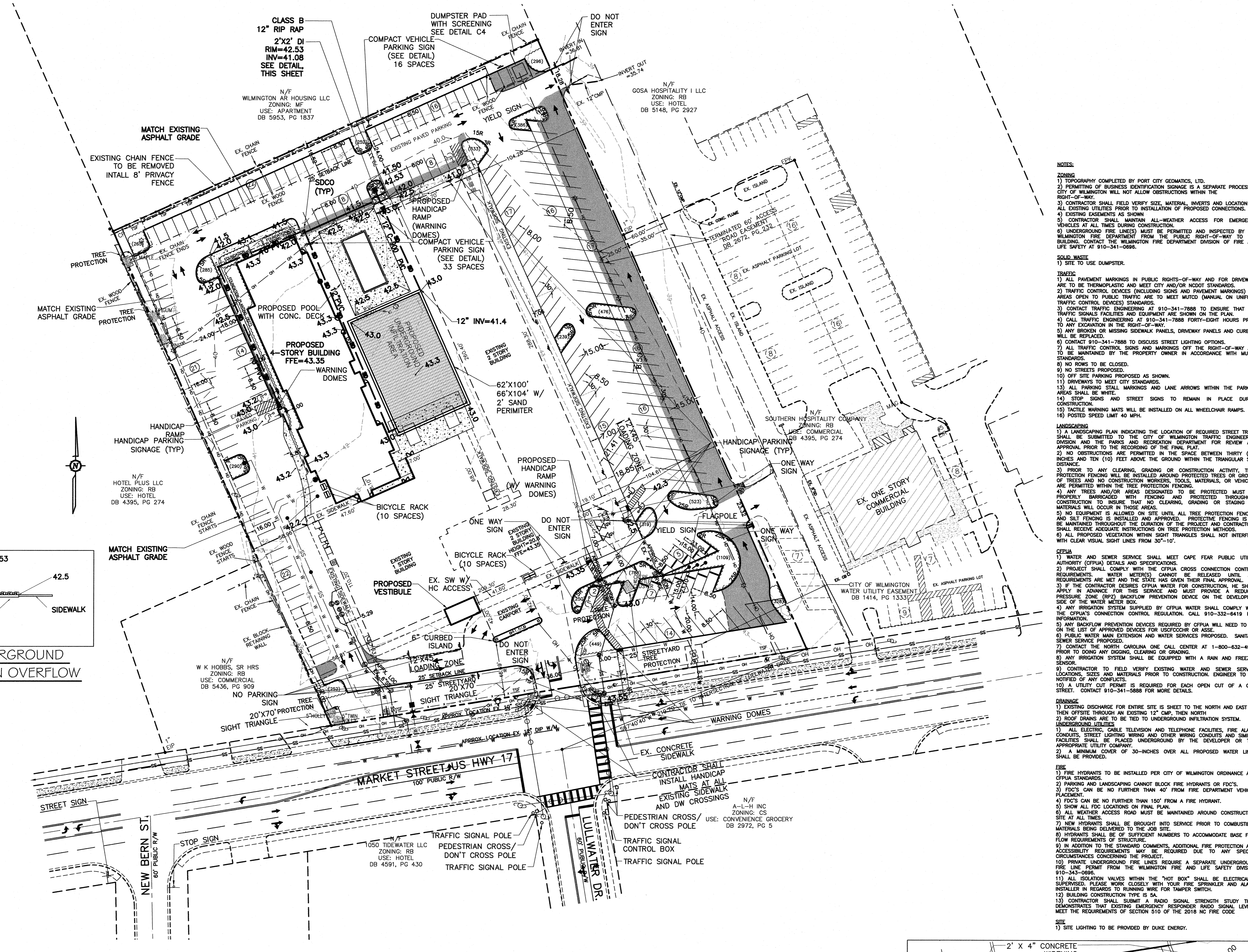
PROPOSED ONSITE IMPERVIOUS AREAS:
 PROPOSED BUILDING(CANOPY/VEST.): 14,345 SF
 PROPOSED POOL DECK: 2,744 SF
 PROPOSED CONCRETE: 4,888 SF
 PROPOSED ASPHALT & CURBING: 13,528 SF
 TOTAL ONSITE IMPERVIOUS AREA: 35,495 SF
 TOTAL ONSITE IMPERVIOUS SIDEWALK AREA: 247 SF
 PARKING REQUIRED:
 1/GUEST ROOM PLUS 50% OF THE REQUIRED SPACES FOR ANY ACCESSORY USES: 207
 RESTAURANT:
 (1/80 SF MIN x 50% & 1/65 SF MAX x 50%)
 (2000 SF/80x50% & 2000 SF/65x50%) 13-15
 BANQUET HALL:
 (1/80 SF MIN x 50% & 1/65 SF MAX x 50%)
 (2575 SF/80x50% & 2575 SF/65x50%) 16-20
 TOTAL PARKING REQUIRED: 236-242
 EXISTING SITE PARKING SPACES: 236
 PROPOSED PARKING: 187
 COMPACT PARKING: 49
 TOTAL PARKING PROVIDED: 236
 HANDICAP SPACES REQUIRED: 7
 HANDICAP SPACES PROVIDED: 7
 BICYCLE PARKING REQUIRED: 15
 BICYCLE PARKING PROVIDED: 20
 PUBLIC WATER AND SEWER BY CFPWA: 13,200 GPD
 EXISTING WATER FLOW: 12,000 GPD
 EXISTING SEWER FLOW: 12,000 GPD
 PROPOSED WATER FLOW:
 (120 GPD PER ROOM x 207 ROOMS x 110%) 27,324 GPD
 PROPOSED SEWER FLOW:
 (120 GPD PER ROOM x 207 ROOMS) 24,840 GPD

FOUNDATION PLANTING REQUIRED NORTH: 274
 FOUNDATION PLANTING REQUIRED WEST: 591
 FOUNDATION PLANTING PROVIDED WEST: 627
 PARKING AREA: 83,718 SF
 PARKING AREA PLANTING REQUIRED: 6,697
 PARKING AREA PLANTING PROVIDED: 6,840

LEGEND

PROPERTY BOUNDARY
 LIGHT POLE
 CURB INLET
 UTILITY POLE
 OVERHEAD WIRE
 GAS ASSEMBLY
 TRAFFIC SIGNAL CONTROL BOX
 WATER METER
 DROP INLET
 GUY WIRE
 SANITARY SEWER MANHOLE
 SEPTIC CLEANOUT
 BACKFLOW PREVENTER
 FIRE HYDRANT
 SIGN
 LARGE SIGN
 ELECTRIC APPARATUS
 UTILITY BOX
 IRRIGATION CONTROL VALVE

PROPOSED SEWER
 PROPOSED WATER
 PROPOSED STORM WATER
 PROPOSED CONCRETE
 PROPOSED ASPHALT
 PROPOSED TRUE GRID
 LIMITS OF DISTURBANCE
 TEMPORARY SILT FENCE

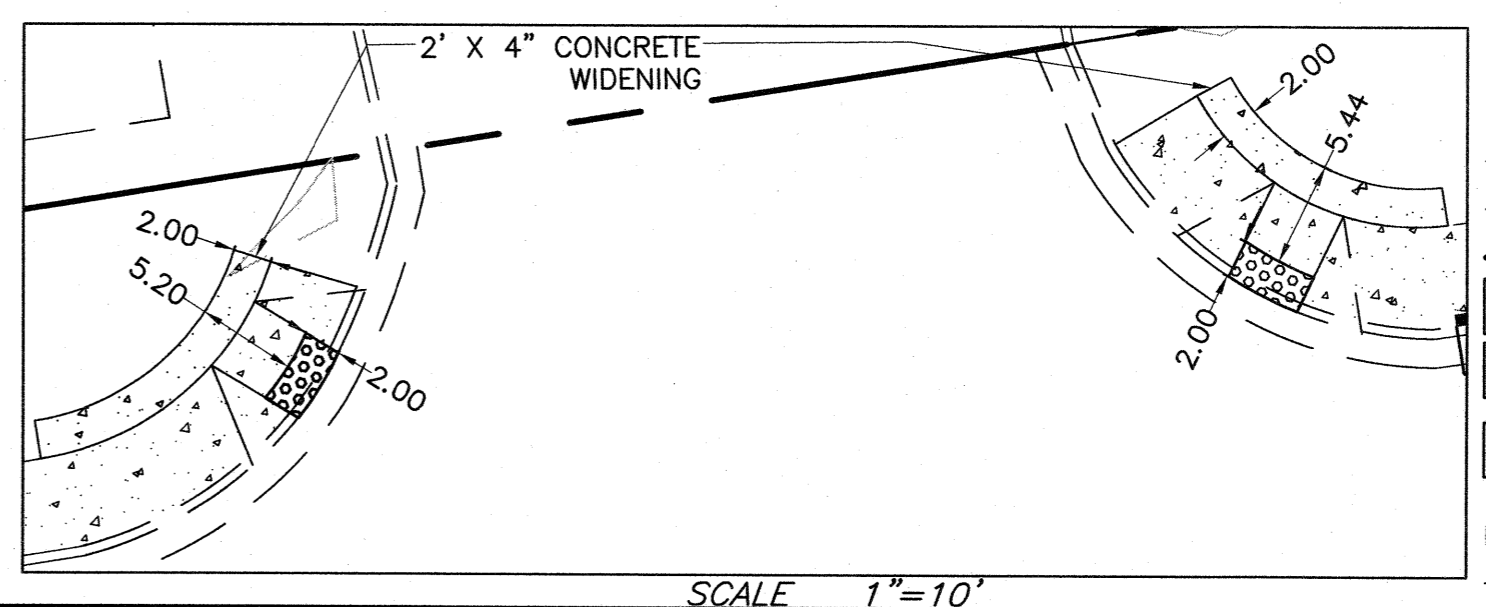
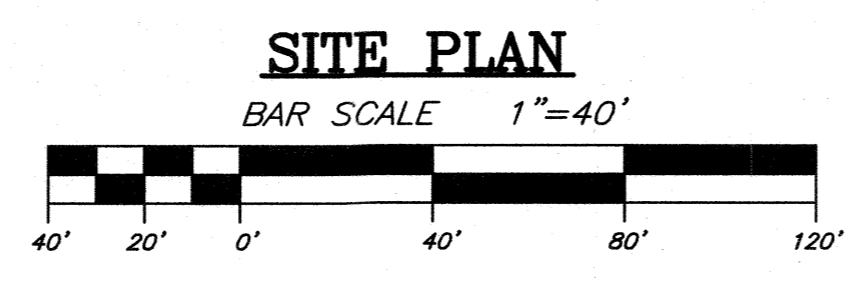


CITY OF WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN
 Date: _____ Permit # _____
 Signed: _____

Approved Construction Plan

Name	Date
Planning	
Traffic	
Fire	

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.



SCALE 1"=10'

TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
 Fax 910-763-5691
 LICENSE NO. EC-1927

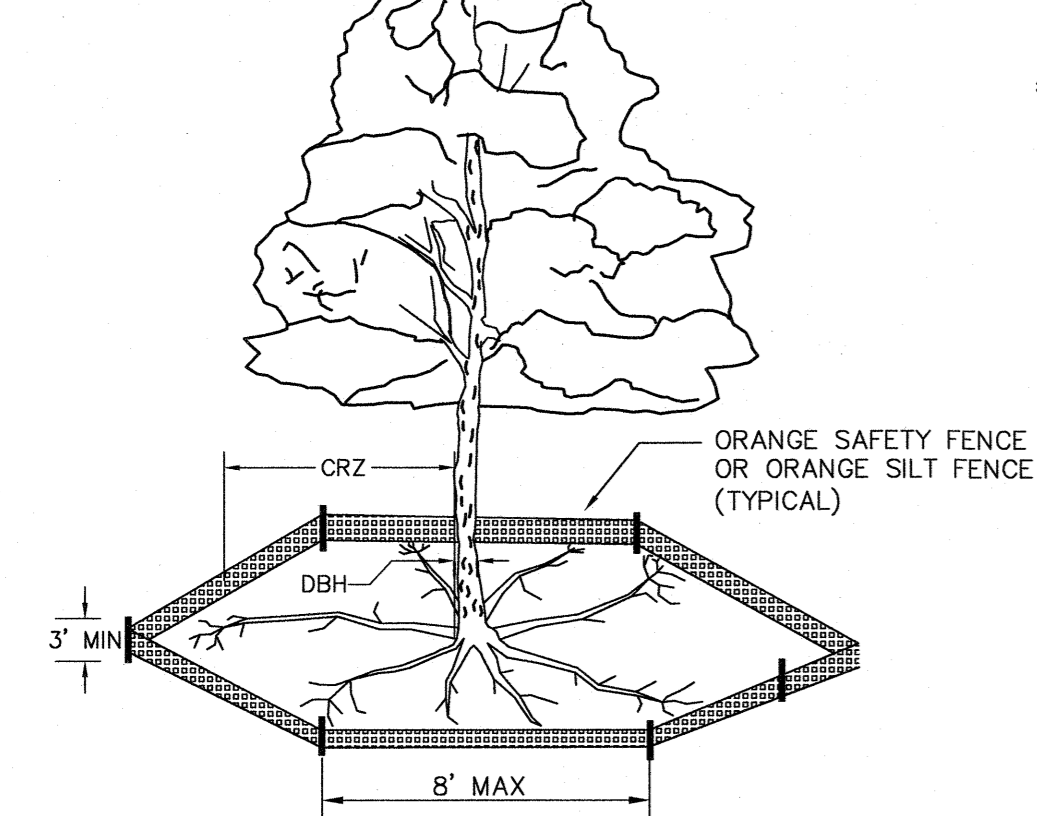
TRU & TAPESTRY HOTEL
 5001 MARKET STREET
 WILMINGTON, NORTH CAROLINA

DATE: 02-08-19
 DESIGN: PGT
 DRAWN: JET

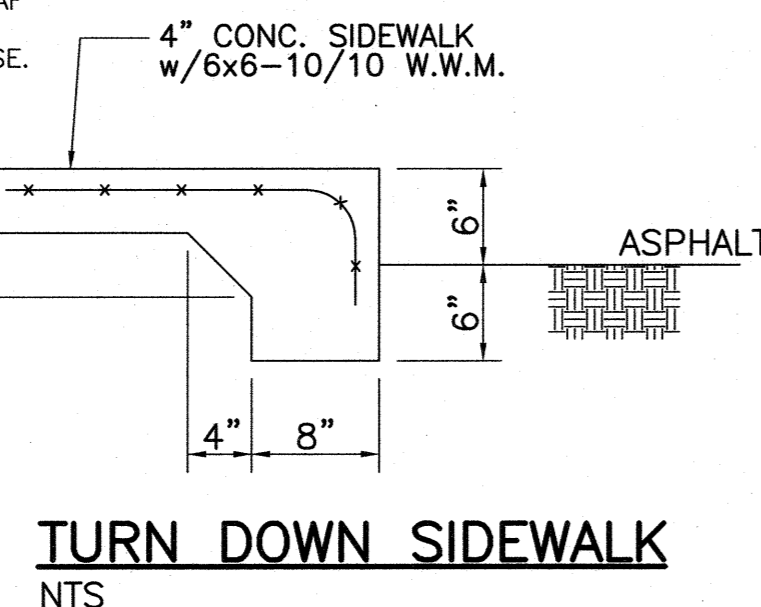
C3
 SHEET 3 OF 7
 17068

NOTE: THE CRITICAL ROOT ZONE (CRZ) OF A TREE IS WHERE THE MAJORITY OF A TREE'S ROOTS LAY. 85% OF MOST TREE ROOTS ARE FOUND IN THE TOP 24" OF THE SOIL AND SUPPLY THE MAJORITY OF NUTRIENTS AND WATER. GENERALLY, ROOTS SPREAD OUT 2-3X THE HEIGHT OF THE TREE.

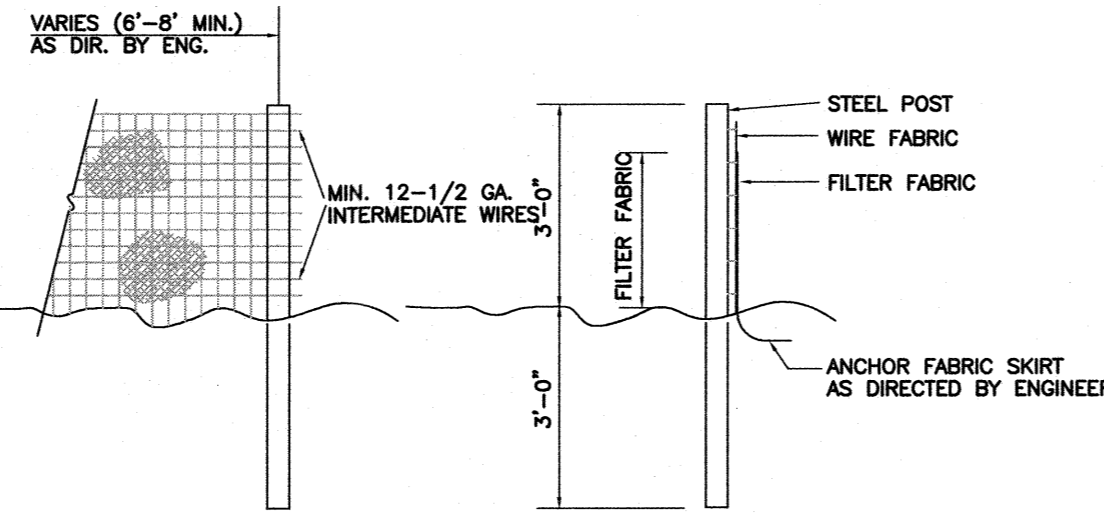
NOTE: CROWN OF THE TREE IS NEEDED FOR LEAF GROWTH TO PRODUCE OXYGEN, FILTER THE AIR, REDUCE WIND AND SOFTEN NOISE. DO NOT DISFIGURE CROWN WITH INTENSIVE PRUNING.



- 1. PROTECT CRITICAL ROOT ZONE (CRZ) OF TREES PRIOR TO CONSTRUCTION. CLEARLY MARK THE TREES AND ERECT A PROTECTIVE BARRIER AT THE CRZ. BARRIER SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
2. CRZ RADIUS IS 1 FT PER INCH OF TREE DIAMETER AT BREAST HEIGHT (DBH).
3. IF CONSTRUCTION OCCURS WITHIN THE CRZ, AT LEAST 12" OF MULCH AND/OR LOGGING MATS SHALL BE PLACED WHERE MACHINERY MANEUVERS TO REDUCE SOIL COMPACTION IN THIS ZONE.
4. WHERE SIDEWALKS AND PATHWAYS PASS WITHIN CRZ, EXTRA CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ROOTS. ALTERNATE CONSTRUCTION METHODS, SUCH AS A REINFORCED SIDEWALK, SHALL BE IMPLEMENTED AS NECESSARY.
5. FOR ALL TREES, CUTTING OF LARGE STRUCTURAL ROOTS LOCATED NEAR THE BASE OF THE TRUNK IS PROHIBITED. DO NOT COMPACT SOIL BENEATH TREES. NO VEHICLE SHALL BE ALLOWED TO PARK UNDER TREES. NO MATERIALS OR EQUIPMENT SHALL BE STORED BENEATH TREES. DAMAGING THE BARK WITH LAWNMOWERS, CONSTRUCTION EQUIPMENT, OR ANYTHING ELSE IS PROHIBITED. CONTRACTOR SHALL REPAIR DAMAGE TO TREES.
6. FAILING TO INSTALL OR MAINTAIN PROTECTION MEASURES SHALL RESULT IN A STOP WORK ORDER AND FINE OF \$500/DAY. DISTURBANCE OTHER THAN THAT ALLOWED ON THE APPROVED PLAN WILL REQUIRE OWNER TO POST A LETTER OF CREDIT FOR 3 YRS FOR TREE MITIGATION.

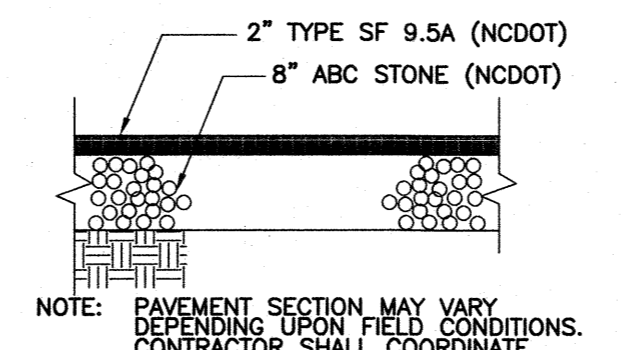


TURN DOWN SIDEWALK NTS



- NOTES:
1. FENCE FABRIC SHALL BE A MIN. OF 32" IN WIDTH AND SHALL HAVE A MIN. OF SIX LINE WIRES WITH 12" STAY SPACING.
2. FABRIC SHALL BE FOR EROSION CONTROL AND MIN. OF 36" IN WIDTH. FABRIC SHALL BE FASTENED ADEQUATELY TO THE WIRE FABRIC AS DIRECTED BY THE ENGINEER.
3. STEEL POST SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER STEEL ANGLE TYPE.

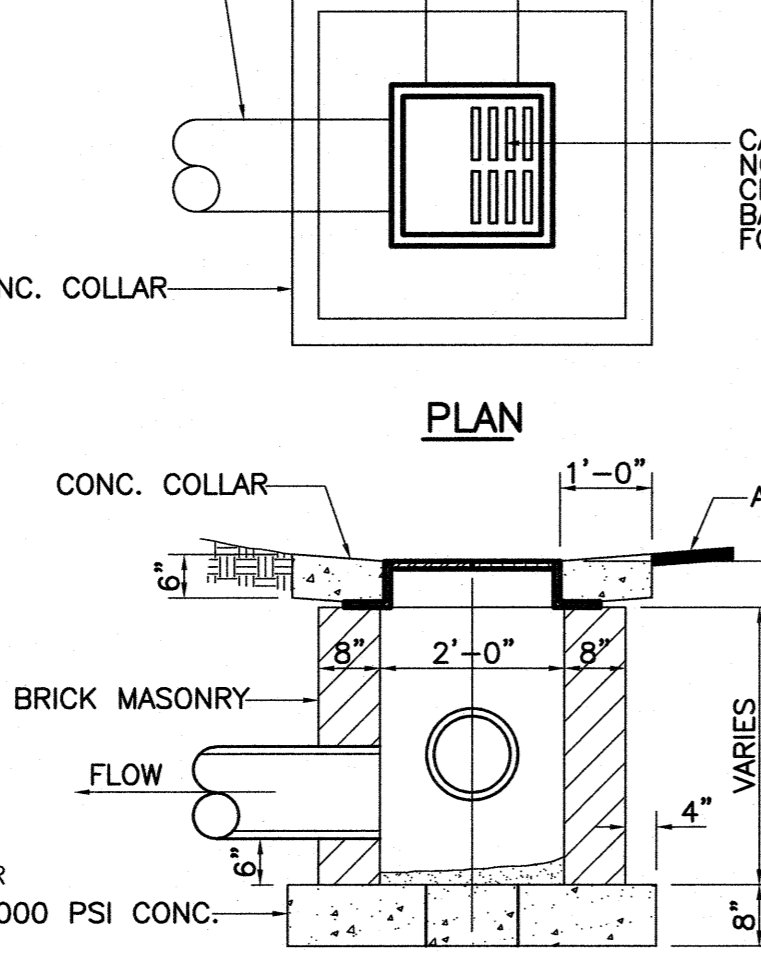
TEMPORARY SILT FENCE NTS



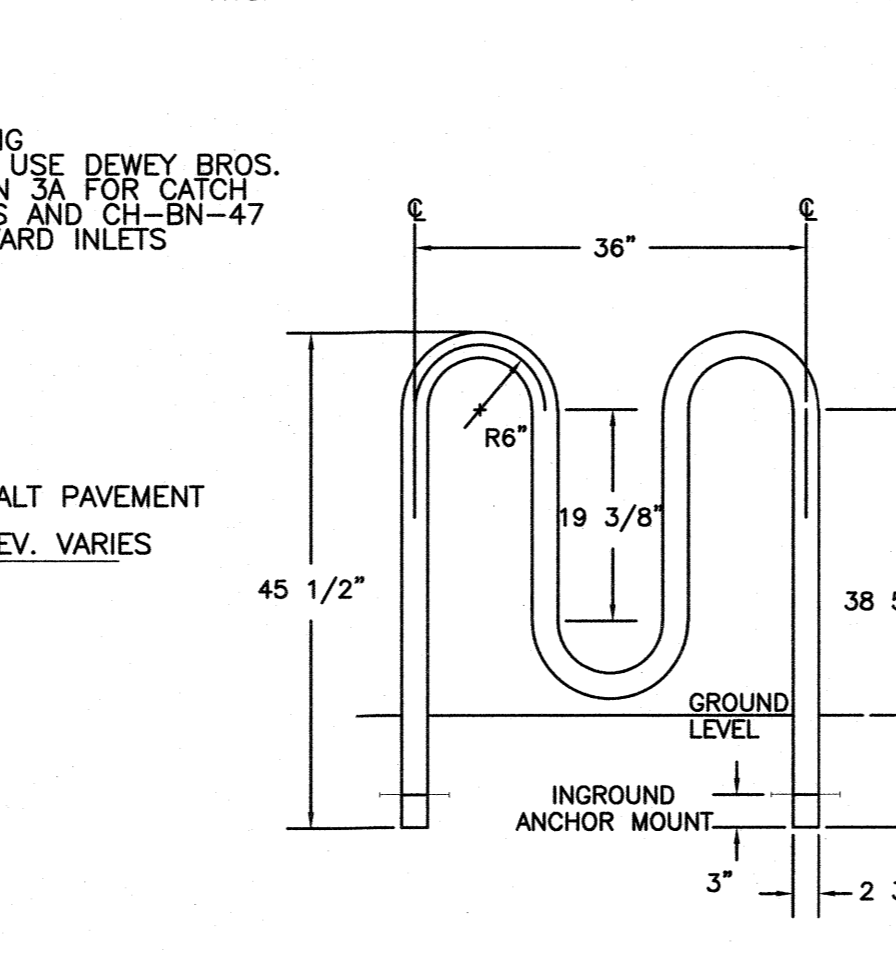
CITY OF WILMINGTON PAVEMENT SECTION NTS

Table with columns: SITE AREA DESCRIPTION, STABILIZATION TIMEFRAME, STABILIZATION TIMEFRAME EXCEPTIONS. Rows include Penimeter Dikes, High Quality Water (H2O), Slopes Steeper than 3:1, Slopes 3:1 or Flatter, and All Other Areas.

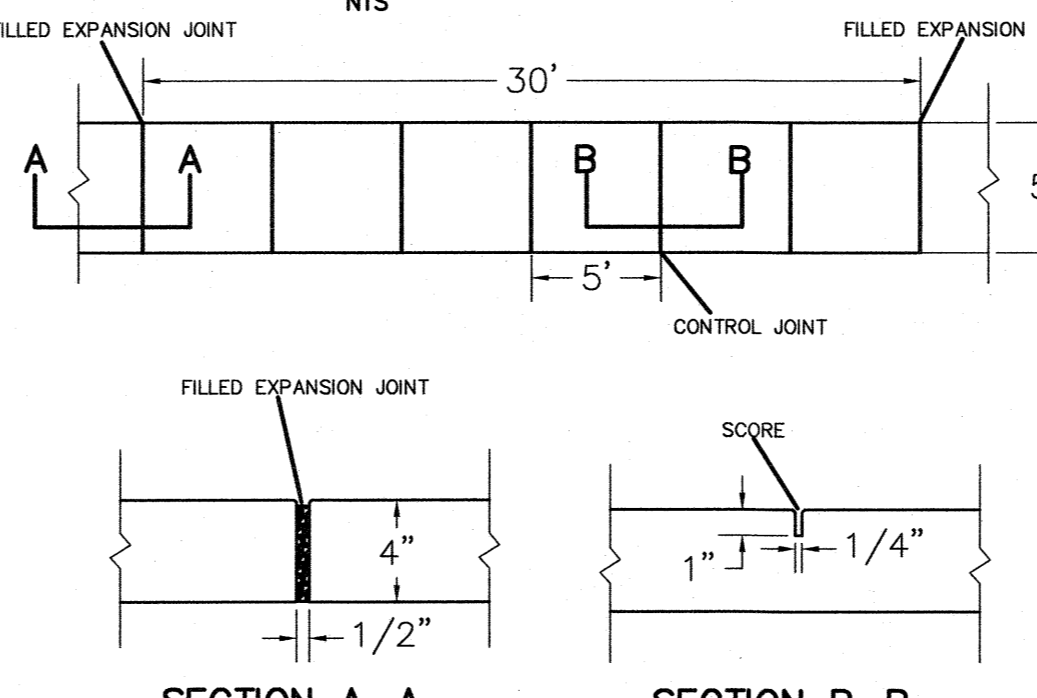
NPDES GROUND STABILIZATION CRITERIA NTS



DROP INLET DETAIL NTS



5 CAPACITY BIKE RACK NTS



CITY OF WILMINGTON SIDEWALK SD 3-10 NTS

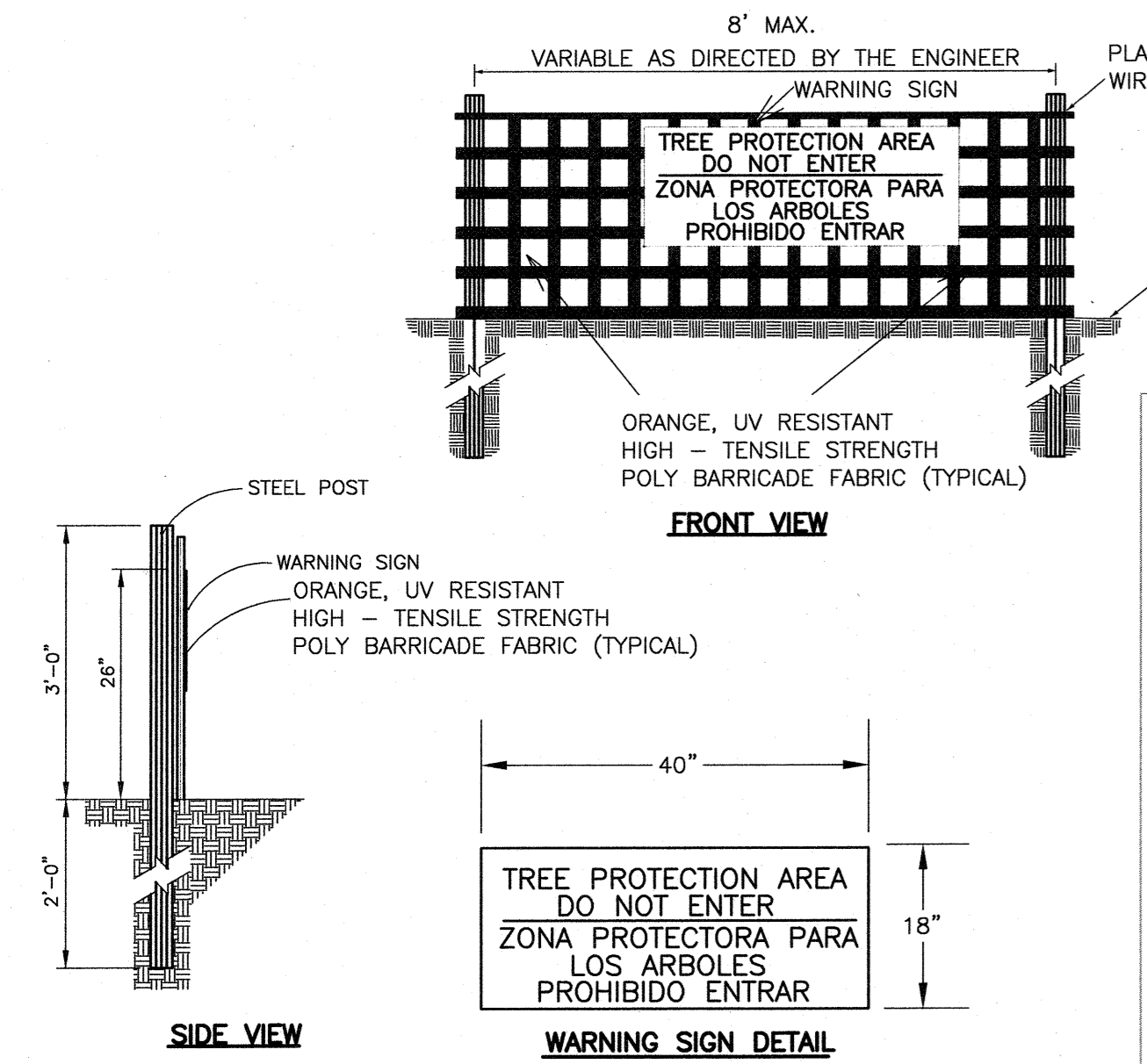
Table for Spring-Summer Permanent Grassing Detail showing seeding mixture species and rates. Includes seeding notes and soil amendments.

Table for Fall-Winter Permanent Grassing Detail showing seeding mixture species and rates. Includes seeding notes and soil amendments.

Table for Late Winter & Early Spring Temporary Grassing Detail showing seeding mixture species and rates. Includes seeding notes and soil amendments.

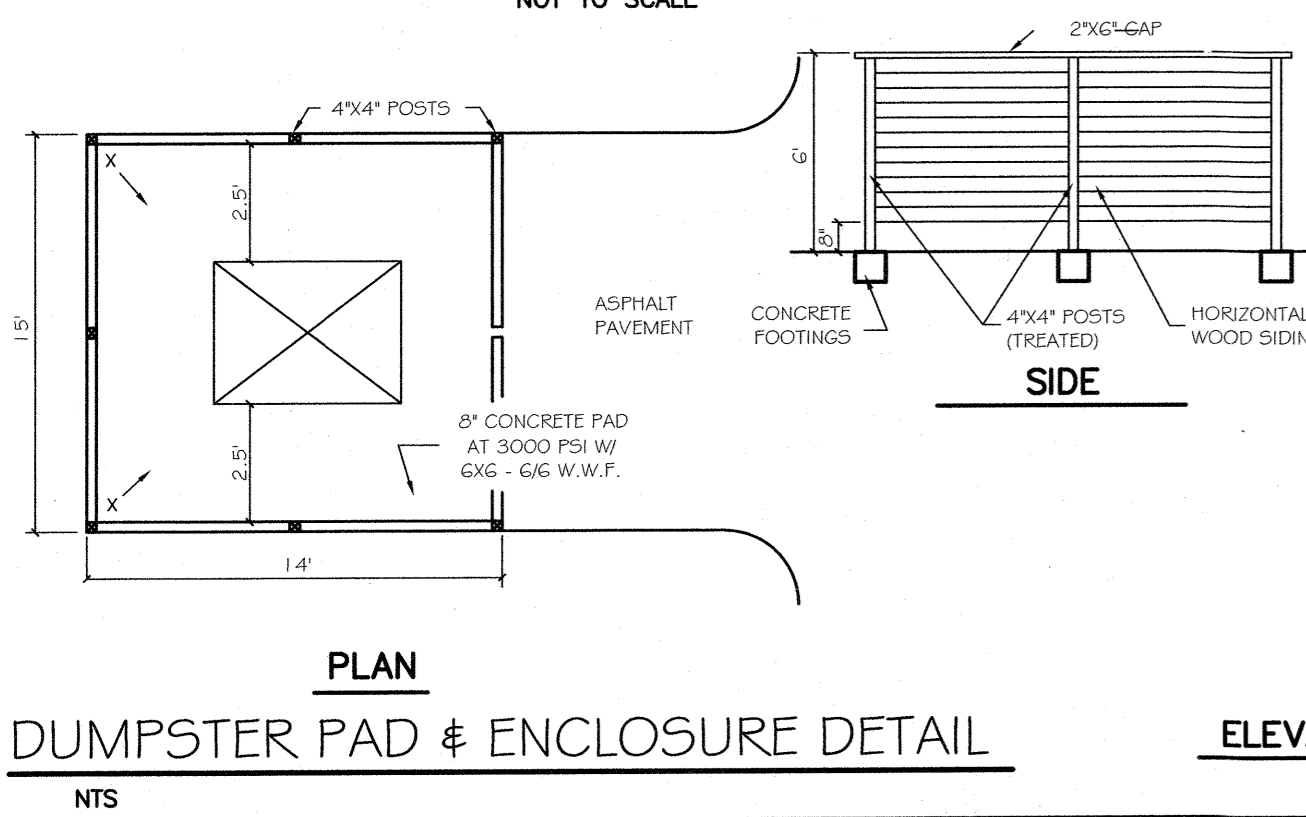
Table for Temporary Summer Grassing Detail showing seeding mixture species and rates. Includes seeding notes and soil amendments.

Table for Temporary Fall Grassing Detail showing seeding mixture species and rates. Includes seeding notes and soil amendments.

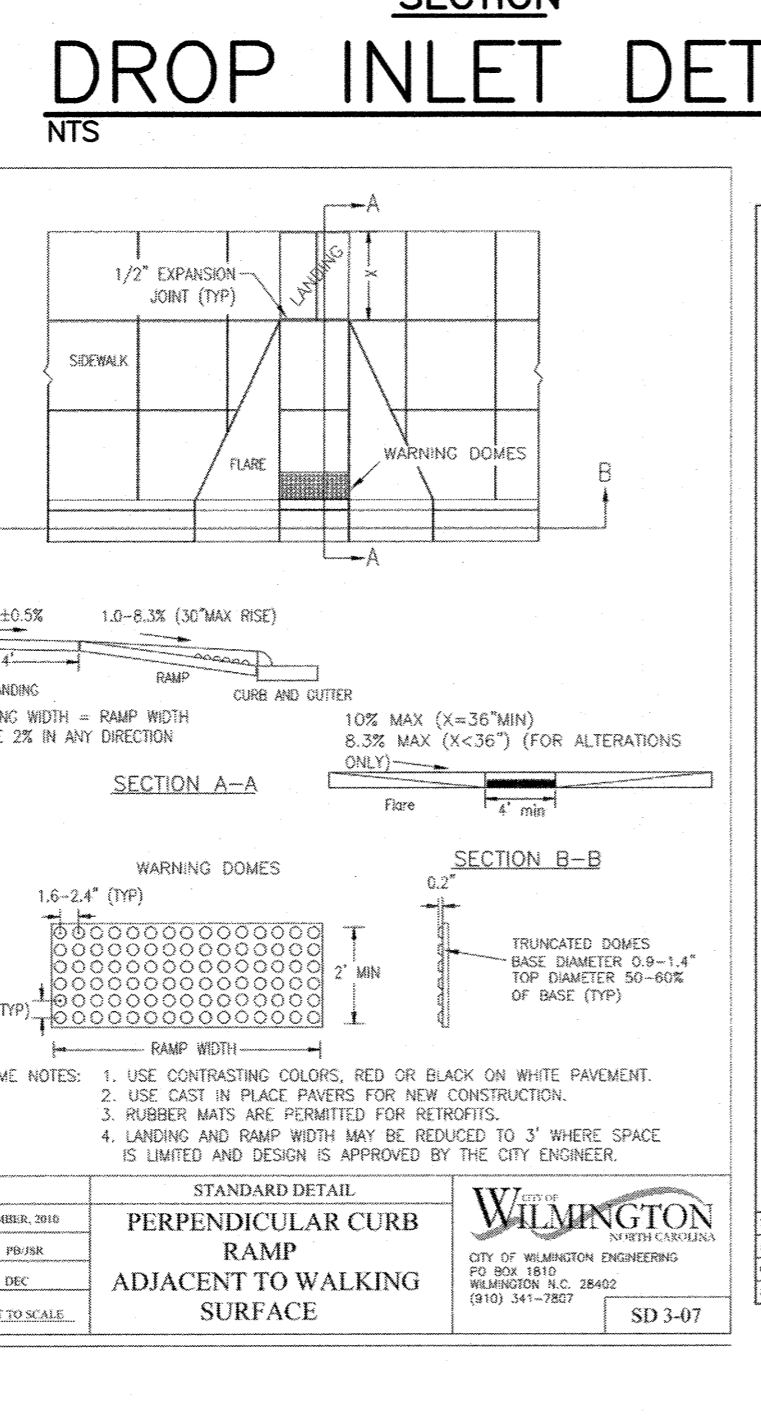


- NOTES:
1. THE TREE PROTECTION FENCING SHALL NOT BE VIOLATED FOR THE ENTIRE DURATION OF THE PROJECT WITHOUT APPROVAL FROM URBAN FORESTRY STAFF.
2. WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL. LETTERS TO BE 3" HIGH, MINIMUM, CLEARLY LEGIBLE AND SPACED AS DETAILED.
3. SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER. FOR TREE PROTECTION AREAS LESS THAN 100' IN PERIMETER, PROVIDE NO LESS THAN TWO SIGNS PER PROTECTION AREA.
4. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC. MAINTAIN TREE PROTECTION FENCE AND SIGNS THROUGHOUT DURATION OF PROJECT.
5. TREE PROTECTION FENCING AND SIGNAGE SHALL BE REMOVED AFTER CONSTRUCTION.
6. ADDITIONAL SIGNS MAY BE REQUIRED BY CITY OF WILMINGTON, BASED ON ACTUAL FIELD CONDITIONS.

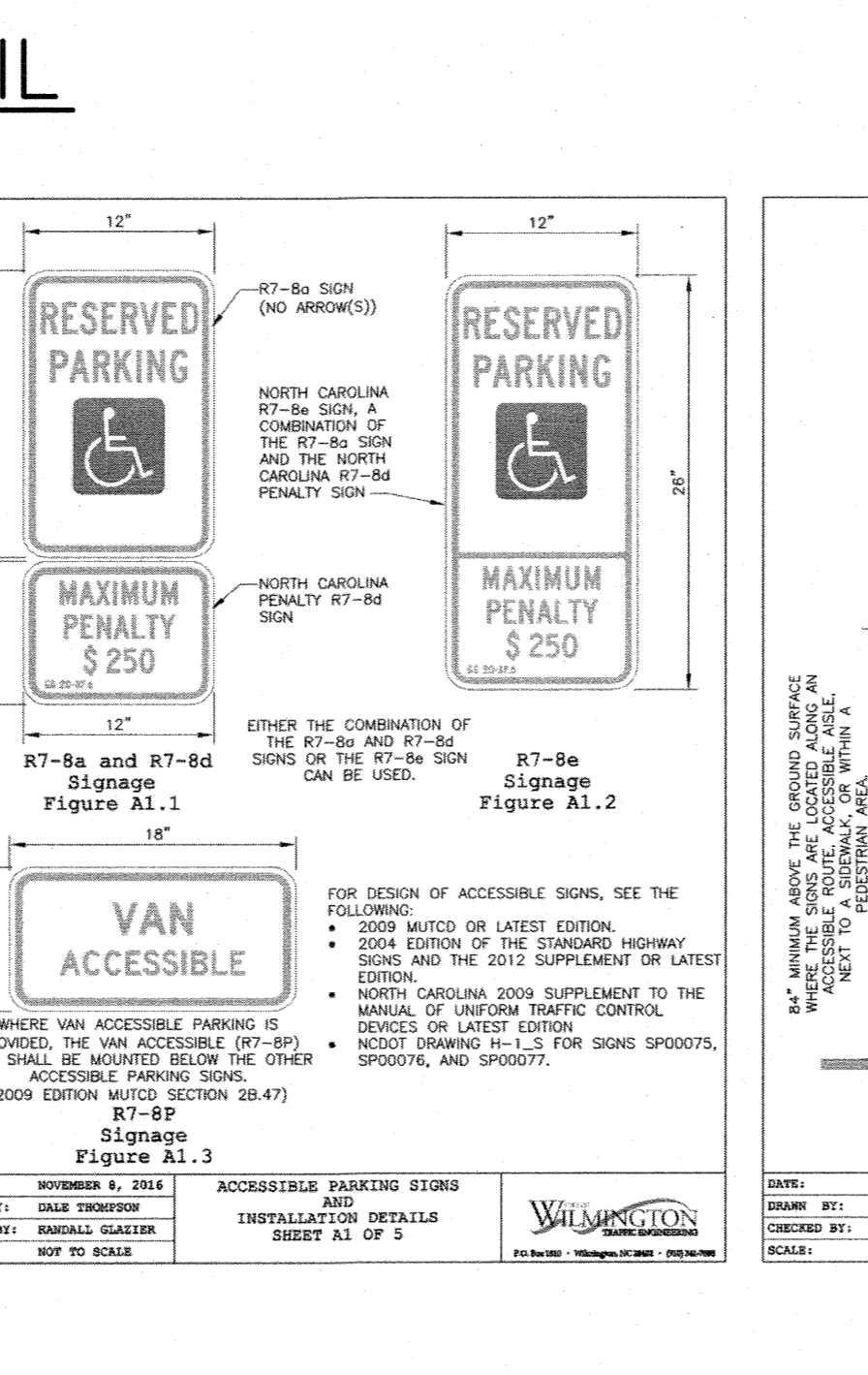
TREE PROTECTION DURING CONSTRUCTION SD 15-09 NOT TO SCALE



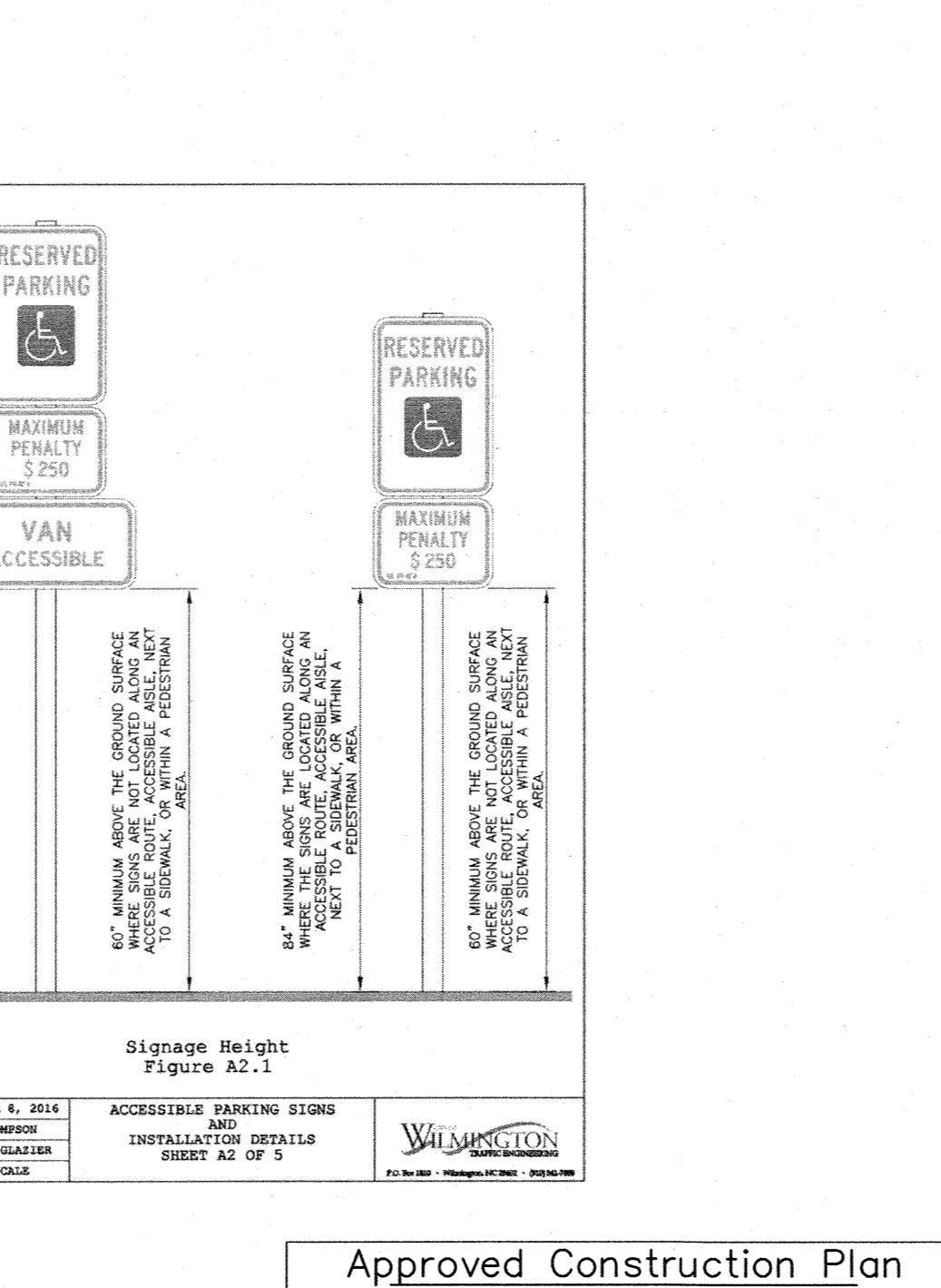
DUMPSTER PAD & ENCLOSURE DETAIL NTS



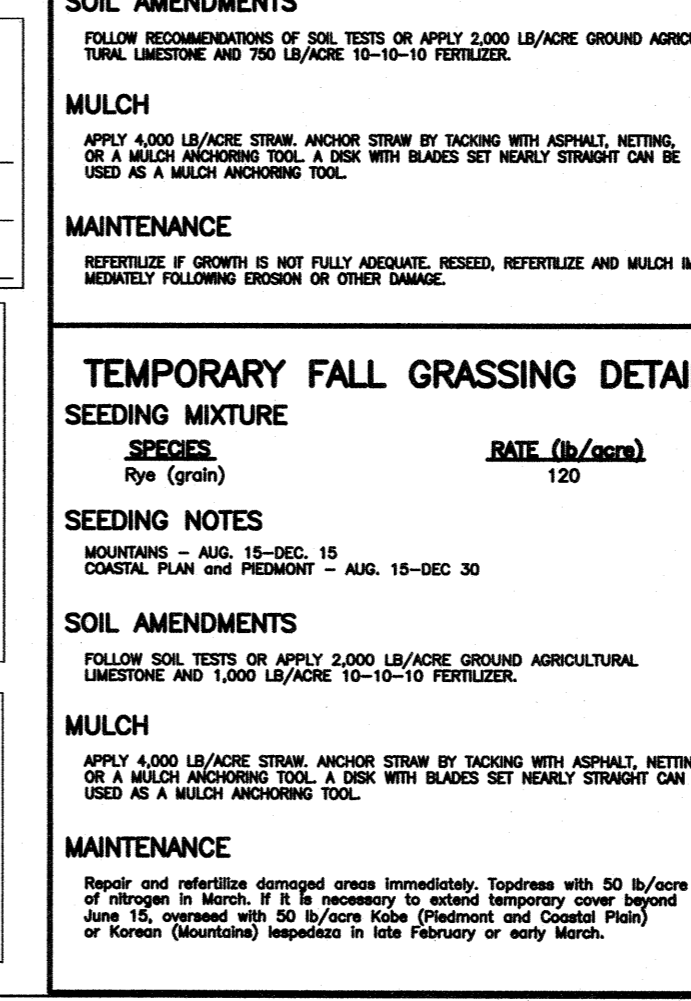
PERPENDICULAR CURB RAMP ADJACENT TO WALKING SURFACE SD 3-07



RESERVED PARKING SIGN DETAIL NTS

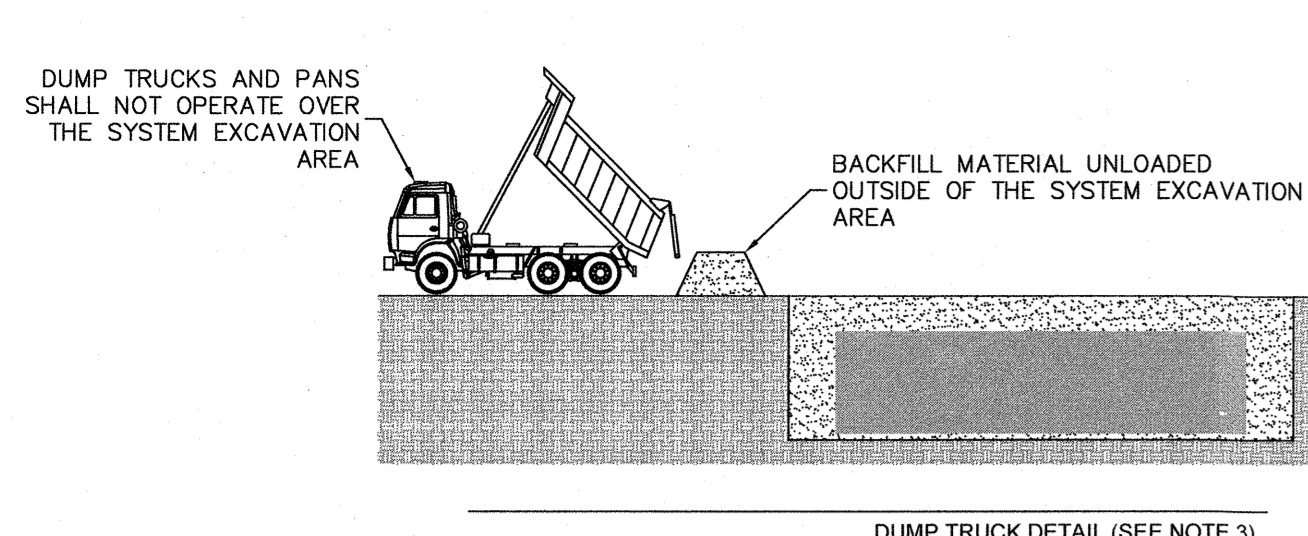


ENERGY DISSIPATOR NTS

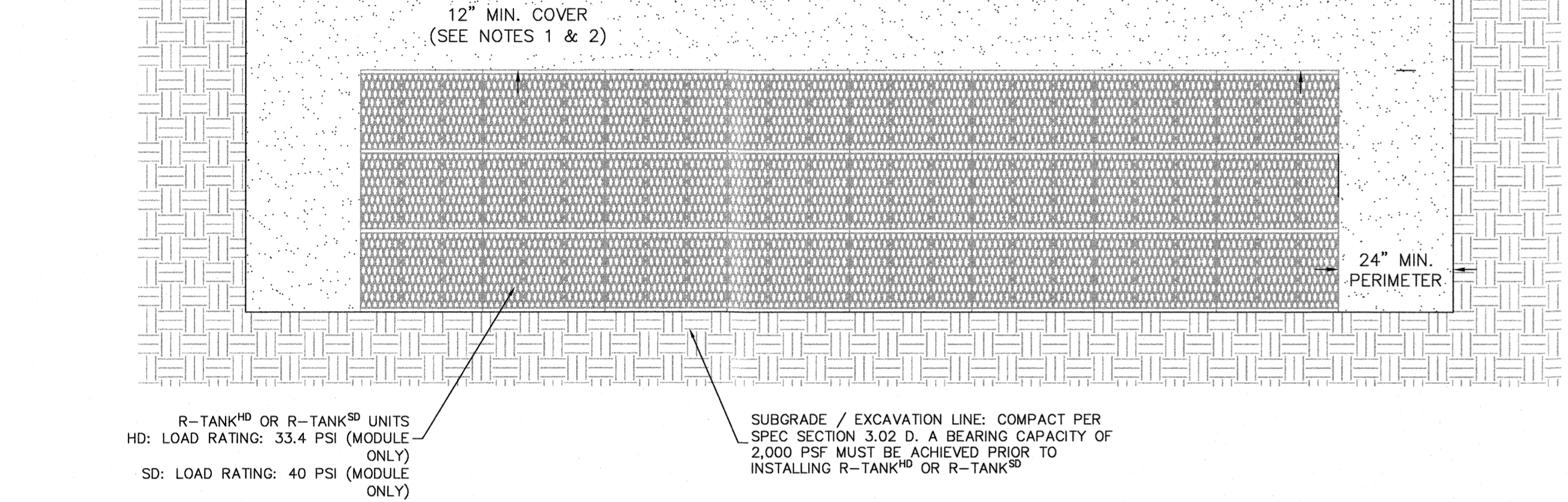
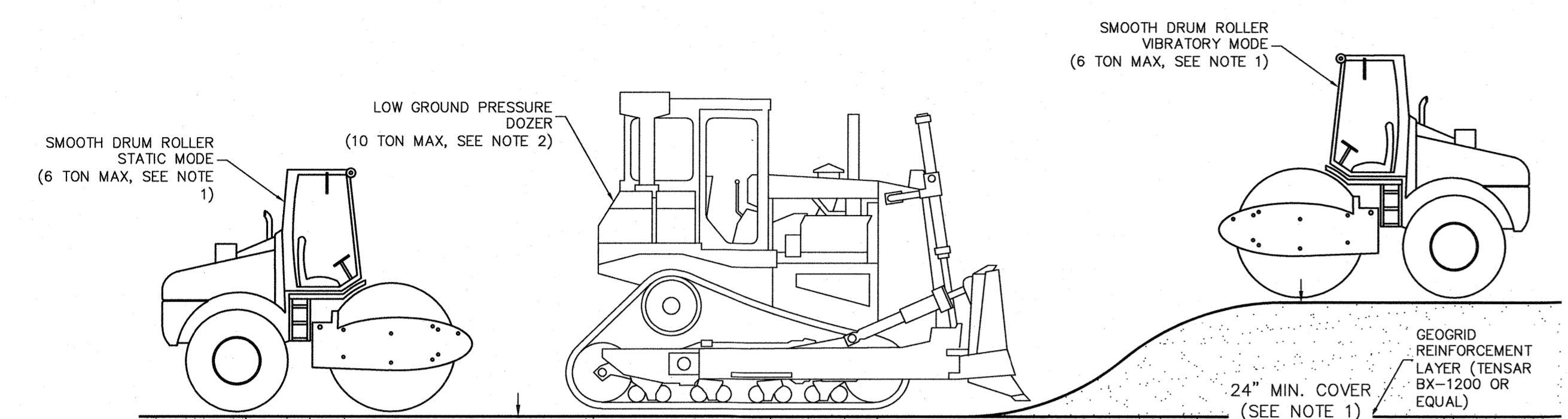


SMALL VEHICLE PARKING SIGN DETAIL NTS

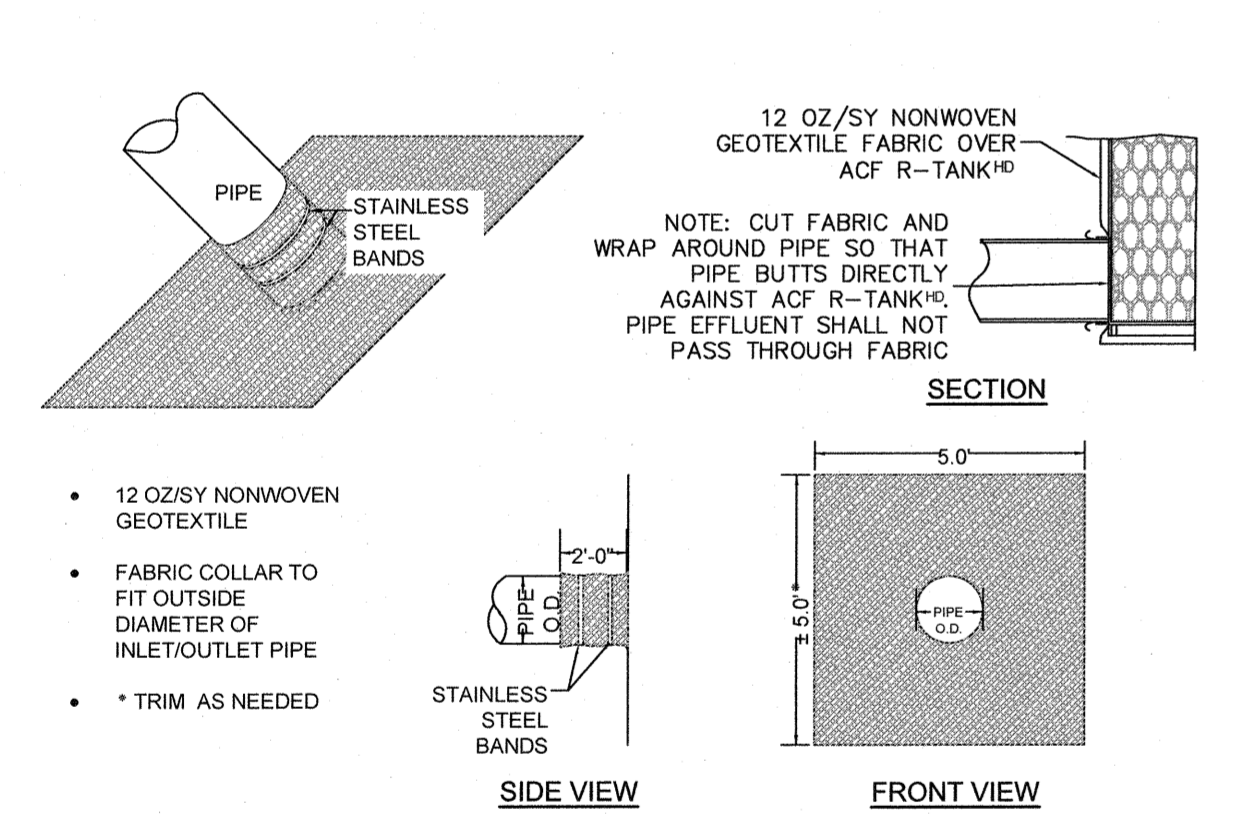
REVISIONS table, DETAILS AND NOTES, TRIPP ENGINEERING, P.C. logo and contact information, and a professional seal for Phillip Gregory Tripp, Professional Engineer, No. 17374.



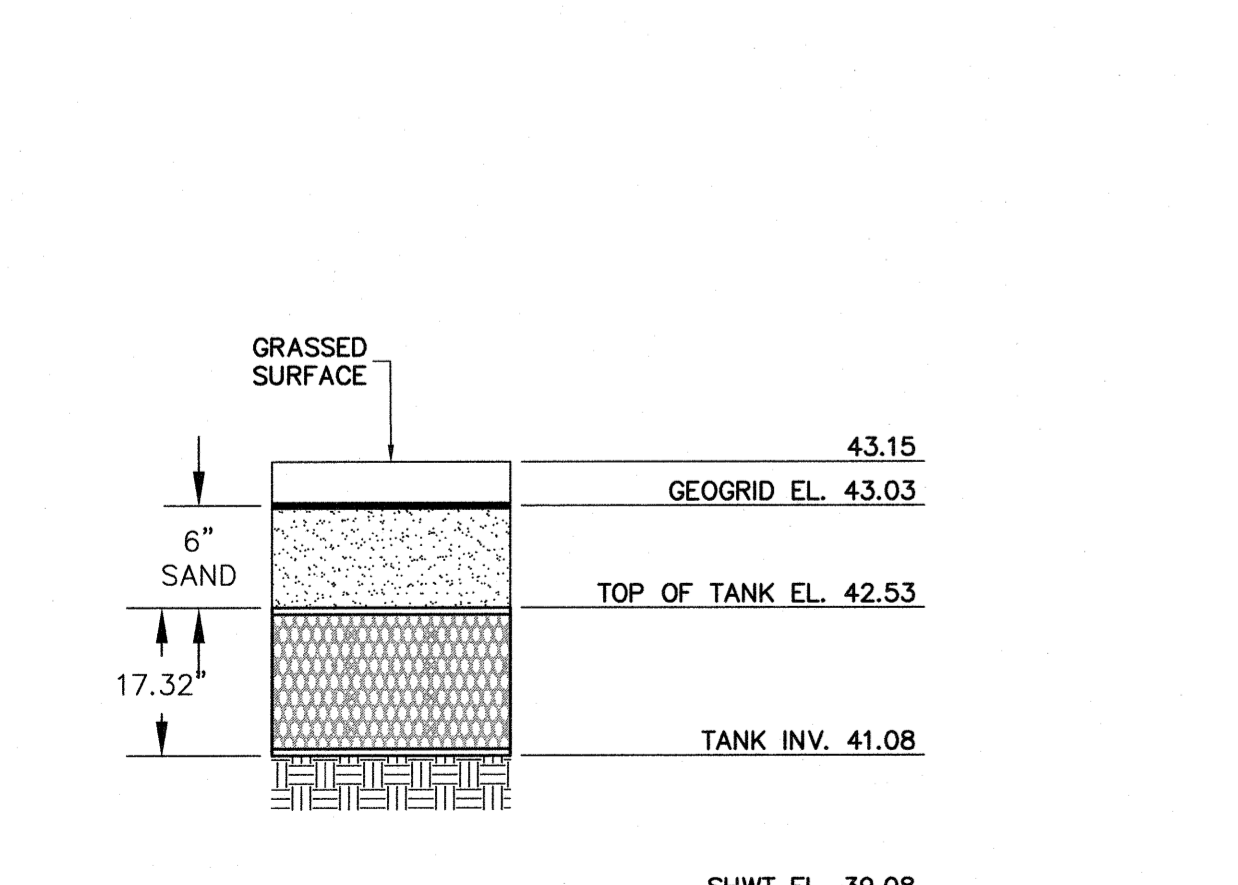
- NOTES:
- FOLLOWING PLACEMENT OF SIDE BACKFILL, A UNIFORM 12" LIFT OF THE FREELY DRAINING MATERIAL (SPEC SECTION 3.05 B) SHALL BE PLACED OVER THE R-TANK AND LIGHTLY COMPACTED USING A WALK-BEHIND TRENCH ROLLER. ALTERNATELY, A ROLLER (MAXIMUM GROSS VEHICLE WEIGHT OF 6 TONS) MAY BE USED. ROLLER MUST REMAIN IN STATIC MODE UNTIL A MINIMUM OF 24" OF COVER HAS BEEN PLACED OVER THE MODULES. SHEEP FOOT ROLLERS SHOULD NOT BE USED. SPEC SECTION 3.05 A
 - ONLY LOW PRESSURE TIRE OR TRACK VEHICLES (LESS THAN 7 PSI AND OPERATING WEIGHT OF LESS THAN 20,000 LBS) SHALL BE OPERATED OVER THE R-TANK SYSTEM DURING CONSTRUCTION. SPEC SECTION 3.05 B
 - DUMP TRUCKS AND PANS SHALL NOT BE OPERATED WITHIN THE R-TANK SYSTEM AT ANY TIME WHERE NECESSARY, THE HEAVY EQUIPMENT SHOULD UNLOAD IN AN AREA ADJACENT TO THE R-TANK SYSTEM AND THE MATERIAL SHOULD BE MOVED OVER THE SYSTEM WITH TRACKED EQUIPMENT. SPEC SECTION 3.05 B
 - ENSURE THAT ALL UNRELATED CONSTRUCTION TRAFFIC IS KEPT AWAY FROM THE LIMITS OF EXCAVATION UNTIL THE PROJECT IS COMPLETE AND FINAL SURFACE MATERIALS ARE IN PLACE. NO NON-INSTALLATION RELATED LOADING SHOULD BE ALLOWED OVER THE R-TANK SYSTEM UNTIL THE FINAL DESIGN SECTION HAS BEEN CONSTRUCTED (INCLUDING PAVEMENT). SPEC SECTION 3.05 C SEE R-TANK INSTALLATION GUIDE OR CONTACT YOUR LOCAL ACF REPRESENTATIVE FOR ADDITIONAL INFORMATION.



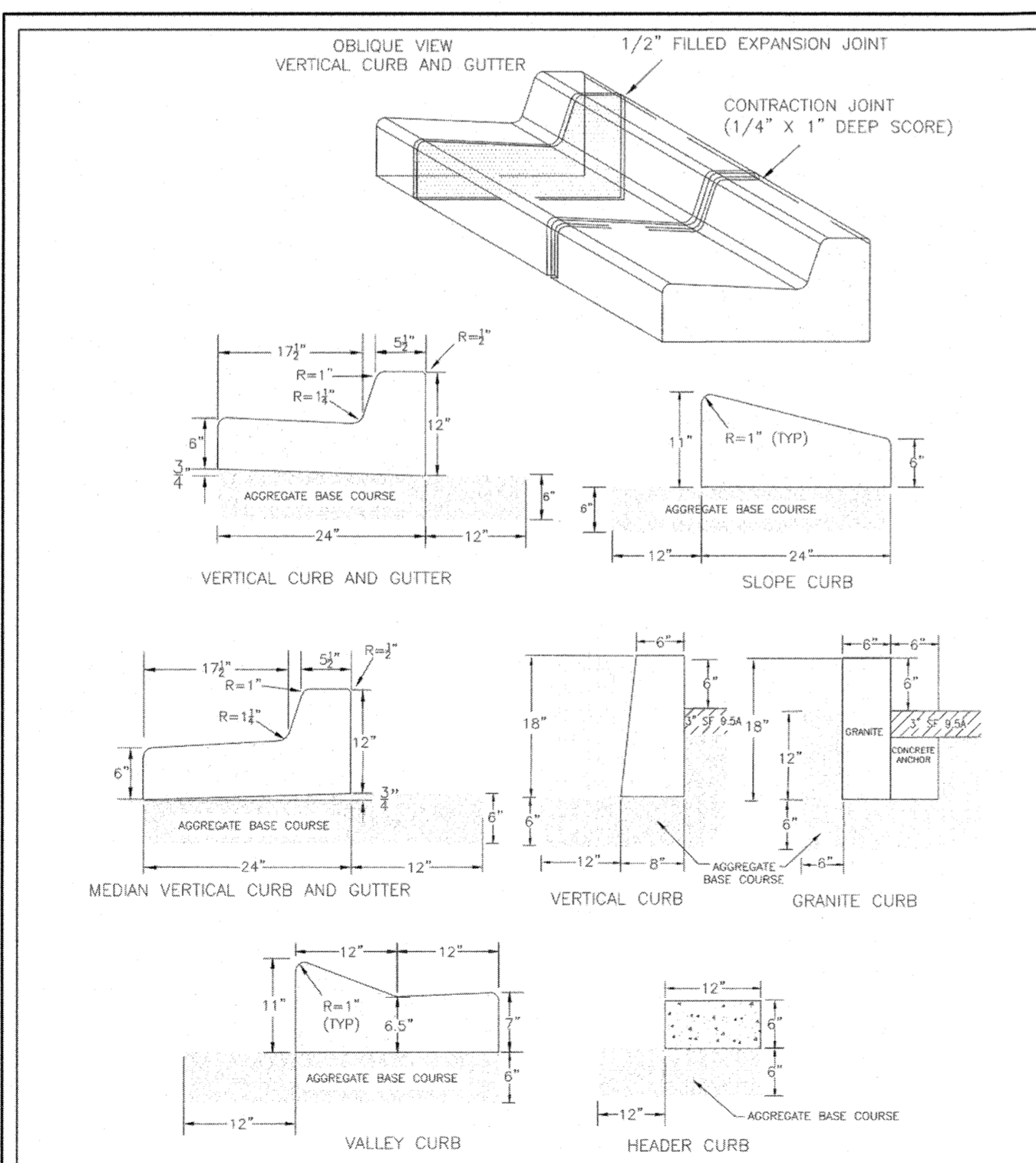
R-TANK^{HD} CONSTRUCTION EQUIPMENT COVER DETAIL



GEOTEXTILE BOOT FOR R-TANK^{HD} DETAIL



MINI R-TANK^{LD} ELEVATION



STANDARD DETAIL

DATE: AUGUST, 2011

DRAWN: PRJSSR

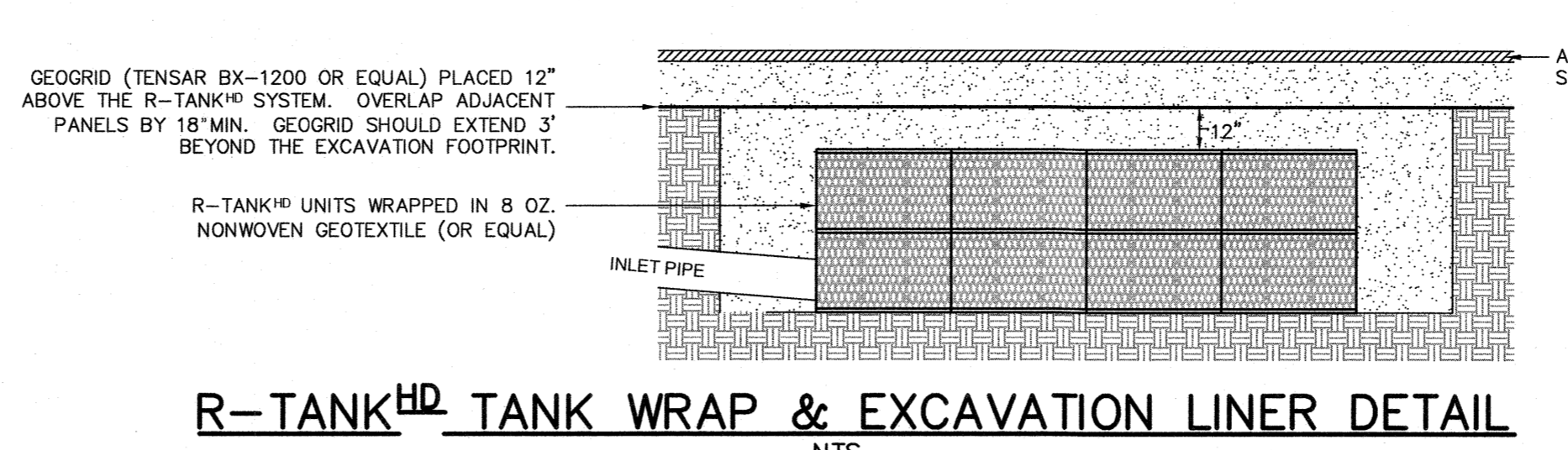
CHECKED: DEC

SCALE: NOT TO SCALE

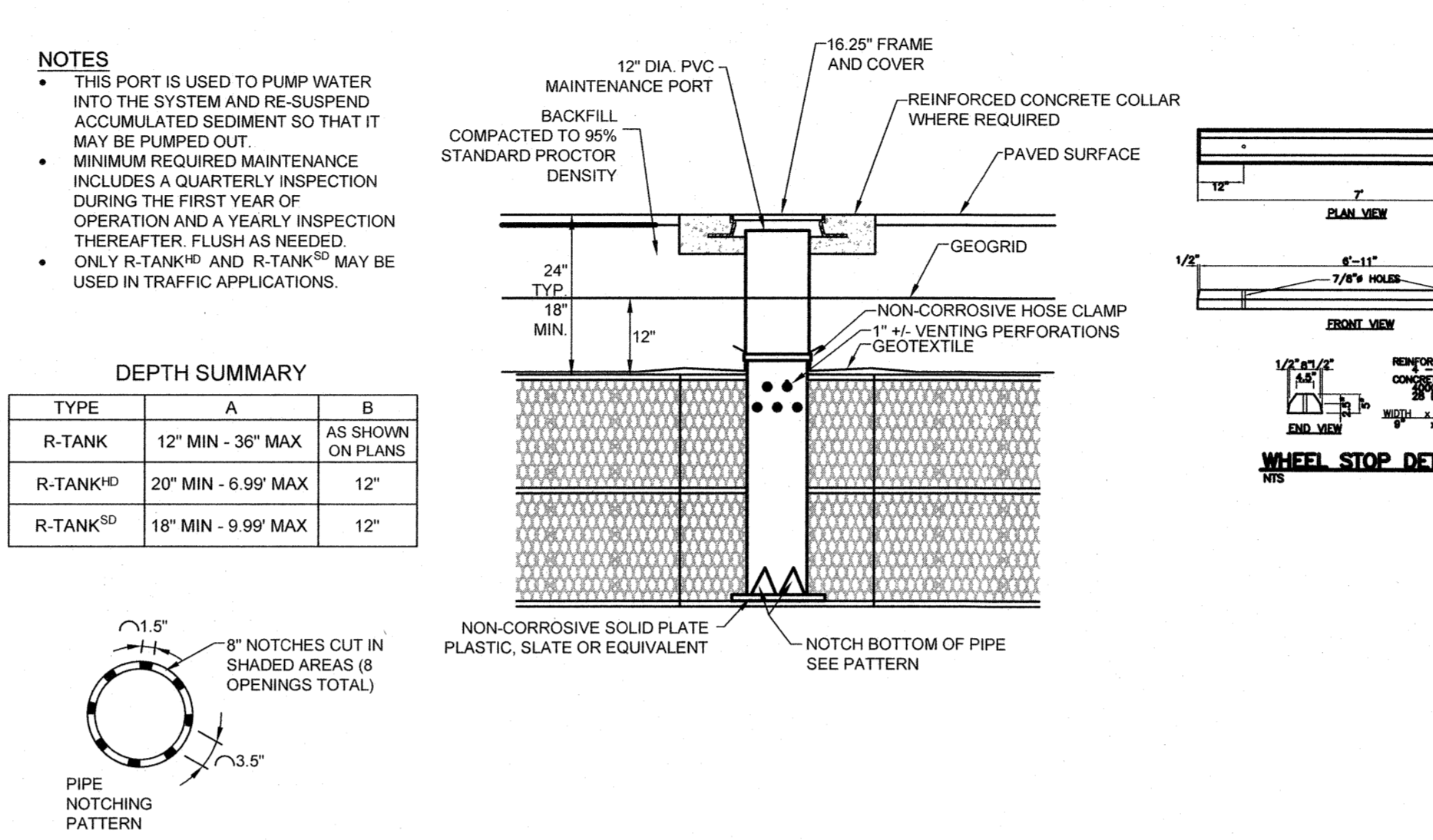
CURBING

CITY OF WILMINGTON ENGINEERING
PO BOX 1910
WILMINGTON, N.C. 28402
(910) 341-7807

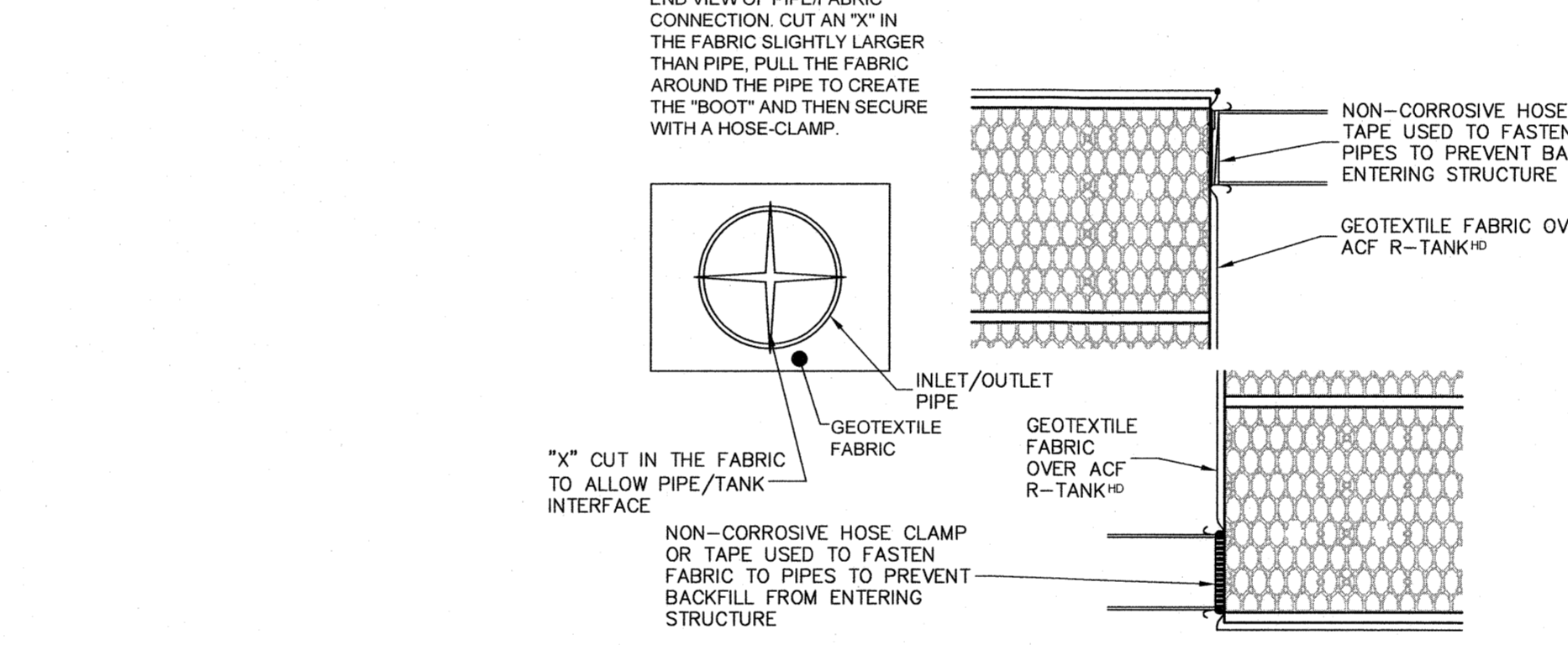
SD 3-11



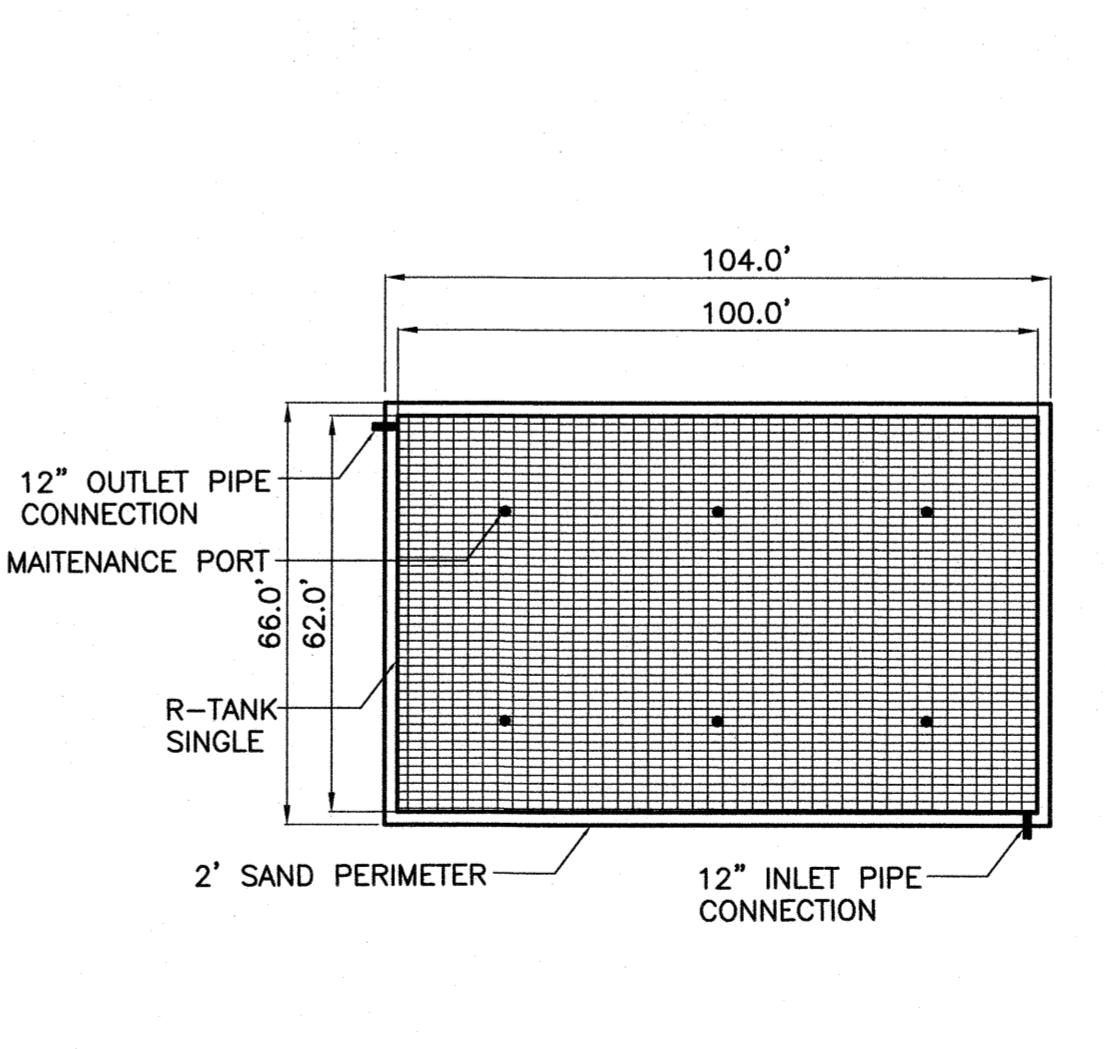
R-TANK^{HD} TANK WRAP & EXCAVATION LINER DETAIL



R-TANK^{HD} TYPICAL MAINTENANCE PORT DETAIL



R-TANK^{HD} TYPICAL TANK INLET/OUTLET DETAIL



R-TANK^{HD} SYSTEM LAYOUT

Approved Construction Plan

Name _____ Date _____

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

Planning _____

Traffic _____

Fire _____

- PART 1 - GENERAL
- 1.01 Related Documents
- 1.02 Description of Work Included
- 1.03 Quality Control
- 1.04 Submittals
- 1.05 Delivery, Storage, and Handling
- 1.06 Preinstallation Conference
- 1.07 Project Conditions
- PART 2 - PRODUCTS
- 2.01 R-Tank Units
- 2.02 Geotextiles
- 2.03 Backfill & Cover Materials
- 2.04 Other Materials
- PART 3 - EXECUTION
- 3.01 Assembly of R-Tank Units
- 3.02 Layout and Excavation
- 3.03 Preparation of Base
- 3.04 Installation of the R-Tank
- 3.05 Backfilling of the R-Tank Units
- PART 4 - USING THE SYSTEM
- 4.01 Maintenance Requirements

PROPERTY	DESCRIPTION	R-Tank ^{HD} VALUE	R-Tank ^{SD} VALUE	R-Tank ^{LD} VALUE
Unit Area	Volume available for water storage	90%	90%	90%
Surface Void Area	Percentage of surface available for infiltration	90%	90%	90%
Compression Strength	ASTM D1557 - 40 TYP. MIN.	300 LBS/FT ²	300 LBS/FT ²	300 LBS/FT ²
HD-20 Minimum Cover	Cover required to support HD-20 loads	18A	20F	18F
SD-20 Minimum Cover	Cover required to support SD-20 loads	18A	AC	18F
LD-20 Minimum Cover	Minimum allowable cover depth	3 feet	< 3 feet	< 10 feet
Unit Weight	Weight of plastic per cubic foot (pcf)	3.00 pcf	3.00 pcf	3.00 pcf
24-Hour Strength	Thickness of fresh concrete	0.11 in./ft	0.11 in./ft	0.11 in./ft
Concrete Temperature	Safe temperature range for use	-14 - 107°F	-14 - 107°F	-14 - 107°F

REVISIONS

No.	Date	Description	By
4/05/19		RESPONSE LETTER REV	JET
4/15/19		ADD RAN TANK DET	JET
6/6/19		REV. RAN TANK DET	JET

DETAILS AND NOTES

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TRU & TAPESTRY HOTEL
5001 MARKET STREET
WILMINGTON, NORTH CAROLINA

DATE: 02-08-19
DESIGN: PGT
DRAWN: JET

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SHEET 5 OF 7
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