

SITE DATA

PARCEL ID: R05515-001-001-003

CURRENT ZONING: O&I-1 (OFFICE & INSTITUTION)

CAMA LAND USE CLASSIFICATION: URBAN & CONSERVATION AREA

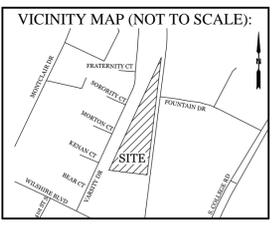
PROJECT ADDRESS: 800 SOUTH KERR AVE. WILMINGTON, NC 28403

CURRENT OWNER: WILMINGTON BREWING COMPANY, LLC 824 SOUTH KERR AVE. WILMINGTON, NC 28403

TOTAL ACREAGE IN PROJECT BOUNDARY: 121,900 S.F. (± 2.8 ac.)

EXISTING ONSITE IMPERVIOUS AREAS: 0.0 S.F.

SOIL TYPE: To (Torhunta loamy fine sand) 38.5%
Se (Seagate fine sand) 35.6%
JO (Johnston soils) 20.5%
Be (Baymeade fine sand) 5.3%
(Per the USDA websoil survey map)

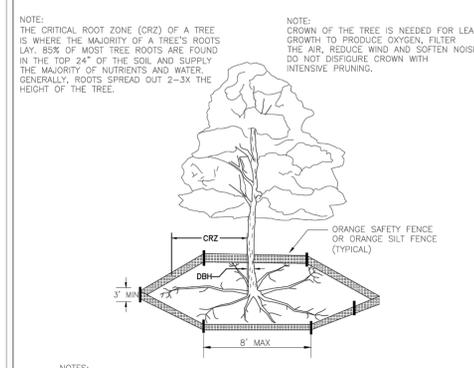


REVISIONS

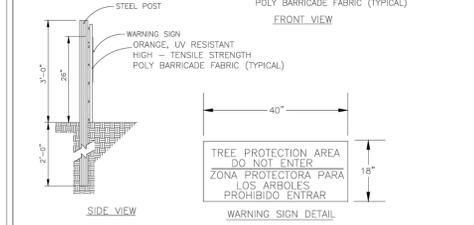
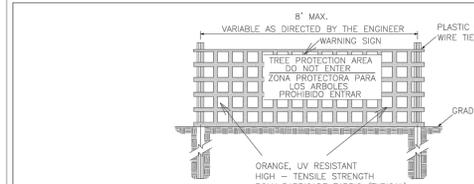
NO.	DATE	DESCRIPTION

INTRACOASTAL ENGINEERING, PLLC

5725 Oleander Dr. Unit E-7
Wilmington, North Carolina 28403
Phone: 910.859.8983
Email: Charlie@intracoastalengineering.com
License Number: P-0662

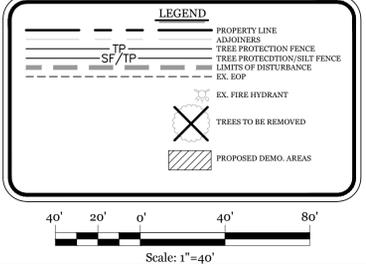


- NOTES:**
- PROTECT CRITICAL ROOT ZONE (CRZ) OF TREES PRIOR TO CONSTRUCTION. CLEARLY MARK THE TREES AND ERECT A PROTECTIVE BARRIER AT THE CRZ. BARRIER SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
 - CRZ RADIUS IS 4 FT PER INCH OF TREE DIAMETER AT BREAST HEIGHT (DBH).
 - IF CONSTRUCTION OCCURS 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.
 - 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.
 - 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.
 - 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.



- NOTES:**
- THE TREE PROTECTION FENCING SHALL NOT BE VIOLATED FOR THE ENTIRE DURATION OF THE PROJECT WITHOUT APPROVAL FROM URBAN FORESTRY STAFF.
 - WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL. LETTERS TO BE 3" HIGH, MINIMUM, CLEARLY LEGIBLE AND SPACED AS DETAILED.
 - 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.
 - ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC. MAINTAIN TREE PROTECTION FENCE AND SIGNS THROUGHOUT DURATION OF PROJECT.
 - TREE PROTECTION FENCING AND SIGNAGE SHALL BE REMOVED AFTER CONSTRUCTION. ADDITIONAL SIGNS MAY BE REQUIRED BY CITY OF WILMINGTON, BASED ON ACTUAL FIELD CONDITIONS.

- NOTES:**
- EXISTING SURVEY DATA PROVIDED BY GEOINNOVATION, PC.
 - NO WETLANDS EXIST ON SITE PER LMG LETTER DATED, 1/17/2019.
 - THE DRAINAGE FEATURE RUNNING THROUGH THE PROPERTY HAS BEEN DETERMINED TO NOT BE CONSIDERED A STREAM BY NC DEQ REPRESENTATIVE CHAD COBURN.
 - PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, A CONSTRUCTION ENTRANCE AND SILT FENCING SHALL BE INSTALLED.
 - PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES.
 - NO CONSTRUCTION WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
 - TREE PROTECTION SIGNAGE SHALL BE ADDED ALONG THE LIMITS OF DISTURBANCE ADJACENT TO TREES EVERY 100' TO PROTECT TREES ADJACENT TO THE CONSTRUCTION SITE.



Approved Construction Plan

Name: _____ Date: _____

City of Wilmington, North Carolina
Public Services • Engineering Division
APPROVED DRAINAGE PLAN

Permit # _____

Signed: _____

Planning _____
Public Utilities _____
Traffic _____
Fire _____

STANDARD DETAIL

TREE PROTECTION DURING CONSTRUCTION

SHEET 2 of 2

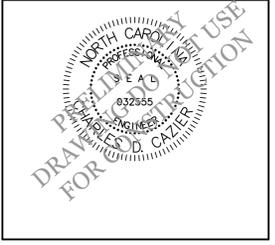
DATE: JAN. 2015
DRAWN BY: JSR
CHECKED BY: RDL/PL
SCALE: NOT TO SCALE

CITY OF WILMINGTON ENGINEERING
PO BOX 1810
WILMINGTON, NC 28402
(910) 341-7807

SD 15-09

EXISTING CONDITIONS / TREE REMOVAL & PROTECTION PLAN FOR S. KERR ASSEMBLY HALL

CITY OF WILMINGTON
NEW HANOVER COUNTY, NC



CLIENT INFORMATION:

Wilmington Brewing Company, LLC
824 S. Kerr Ave.
Wilmington, NC 28403
Ph. 910-392-3315

DRAWN: JAE SHEET SIZE: 24x36

CHECKED: CDC DATE: 8/16/2019

APPROVED: CDC SCALE: 1" = 40'

PROJECT NUMBER: 2018-035

DRAWING NUMBER: **C-0**

1 OF 5

MAINTENANCE PLAN:

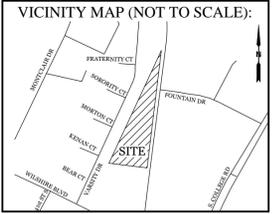
- 1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE, LESS THAN ONCE EVERY WEEK AND WITHIN 24 HOURS OF EVERY HALF INCH RAINFALL.
- 2. ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRANCES THAT WILL BE PERIODICALLY TOP-DRESSED WITH AN ADDITIONAL 2 INCHES OF 2-3 INCH STONE TO MAINTAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED, WASHED OR TRACKED ONTO THE CONSTRUCTION ENTRANCE OR ROADWAYS.
- 3. SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION, ROCK DOUGHNUT INLET PROTECTION, SEDIMENT TRAP BAFFLES, AND ROCK PIPE INLET PROTECTION WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED. DEBRIS WILL BE REMOVED FROM THE ROCK AND HARDWARE CLOTH TO ALLOW PROPER DRAINAGE. SILT SACKS WILL BE EMPTIED ONCE A WEEK AND AFTER EVERY RAIN EVENT. SEDIMENT WILL BE REMOVED FROM AROUND BEAVER DAMS, DANDY SACKS AND SOCKS ONCE A WEEK AND AFTER EVERY RAIN EVENT.
- 4. DIVERSION DITCHES WILL BE CLEANED OUT IMMEDIATELY TO REMOVE SEDIMENT OR OBSTRUCTIONS FROM THE FLOW AREA. THE DIVERSION RIDGES WILL ALSO BE REPAIRED. SWALES MUST BE TEMPORARILY STABILIZED WITHIN 21 CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY ASSOCIATED WITH A SWALE.
- 5. SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF FILLED. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. STAKES MUST BE STEEL. STAKE SPACING WILL BE 6 FEET MAX. WITH THE USE OF EXTRA STRENGTH FABRIC, WITHOUT WIRE BACKING. STAKE SPACING WILL BE 8 FEET MAX WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED. IF ROCK FILTERS ARE DESIGNED AT LOW POINTS IN THE IN THE SEDIMENT FENCE THE ROCK WILL BE REPAIRED OR REPLACED IF IT BECOMES HALF FULL OF SEDIMENT, NO LONGER DRAINS AS DESIGNED OR IS DAMAGED.

CONSTRUCTION SEQUENCE:

- 1. GENERAL CLEARING AND GRADING OF THIS SITE WILL NOT BE DONE UNTIL THE TEMPORARY SILT FENCE & CONSTRUCTION ENTRANCE HAS BEEN INSTALLED.
- 2. NO CUT SLOPE OR FILL SLOPE SHALL EXCEED A RISE OR FALL OF ONE FOOT FOR EVERY RUN OF 3 FEET (1 VERTICAL TO 3 HORIZONTAL).
- 3. NO SEDIMENT WILL BE ALLOWED TO EXIT THE SITE. ALL EROSION SHALL BE CONTROLLED INCLUDING SIDE SLOPES DURING AND AFTER CONSTRUCTION.
- 4. INSTALL PRIMARY EROSION CONTROL MEASURES BEFORE BEGINNING CONSTRUCTION INCLUDING BUT NOT LIMITED TO GRAVELED CONSTRUCTION ENTRANCE, SILT FENCE, TREE PROTECTION FENCE & SEDIMENT BASINS. CONTRACTOR TO BE FAMILIAR WITH USACE GENERAL PERMIT CONDITIONS FOR ROAD CROSSINGS. SPECIFIC CONSTRUCTION METHODS MAY BE REQUIRED ABOVE AND BEYOND WHAT IS SPECIFIED IN THIS PLAN. INSTALL ALL SECONDARY EROSION CONTROL MEASURES, SUCH AS INLET PROTECTION AS SOON AS POSSIBLE AFTER BEGINNING CONSTRUCTION.
- 5. ALL EROSION CONTROL MEASURES TO BE INSPECTED AFTER EACH RAIN. SILT FENCE AND INLET PROTECTION TO BE CLEANED WHEN HALF FULL.
- 6. A 4" LAYER OF TOPSOIL SHALL BE APPLIED TO ALL NEW AREAS TO BE GRASSED.
- 7. MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PROJECT IS COMPLETE.
- 8. MORE STRINGENT MEASURES MAY BE REQUIRED TO HALT EROSION IF THOSE ON THIS PLAN PROVE TO BE LESS EFFECTIVE.
- 9. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES UPON COMPLETION OF CONSTRUCTION. ALL PERMANENT MEASURES SHALL BE WELL ESTABLISHED PRIOR TO PROJECT COMPLETION.
- 10. PERMEABLE CONCRETE SUBGRADE MUST BE EITHER SCARIFIED, RIPPED, OR TRENCHED TO MAINTAIN THE PRE-CONSTRUCTION SUBGRADE INFILTRATION RATE.
- 11. GRADING FOR PERMEABLE PAVEMENT TO BE COMPLETED DURING DRY WEATHER.
- 12. AFTER INSTALLATION, PERMEABLE PAVEMENT SHALL BE PROTECTED FROM SEDIMENT DEPOSITION UNTIL THE SITE IS COMPLETED AND STABILIZED. AN IN-SITU INFILTRATION PERMEABILITY TEST SHALL BE CONDUCTED AND CERTIFIED ON THE PAVEMENT AFTER SITE STABILIZATION.
- 13. FIELD TESTING OF PERVIOUS CONCRETE SHALL BE DONE BY AN INDEPENDENT TESTING LABORATORY PAID FOR BY THE OWNER. FURTHER TESTING REQUIRED DUE TO A FAILED TEST WILL BE PAID FOR BY THE CONTRACTOR.

SITE DATA

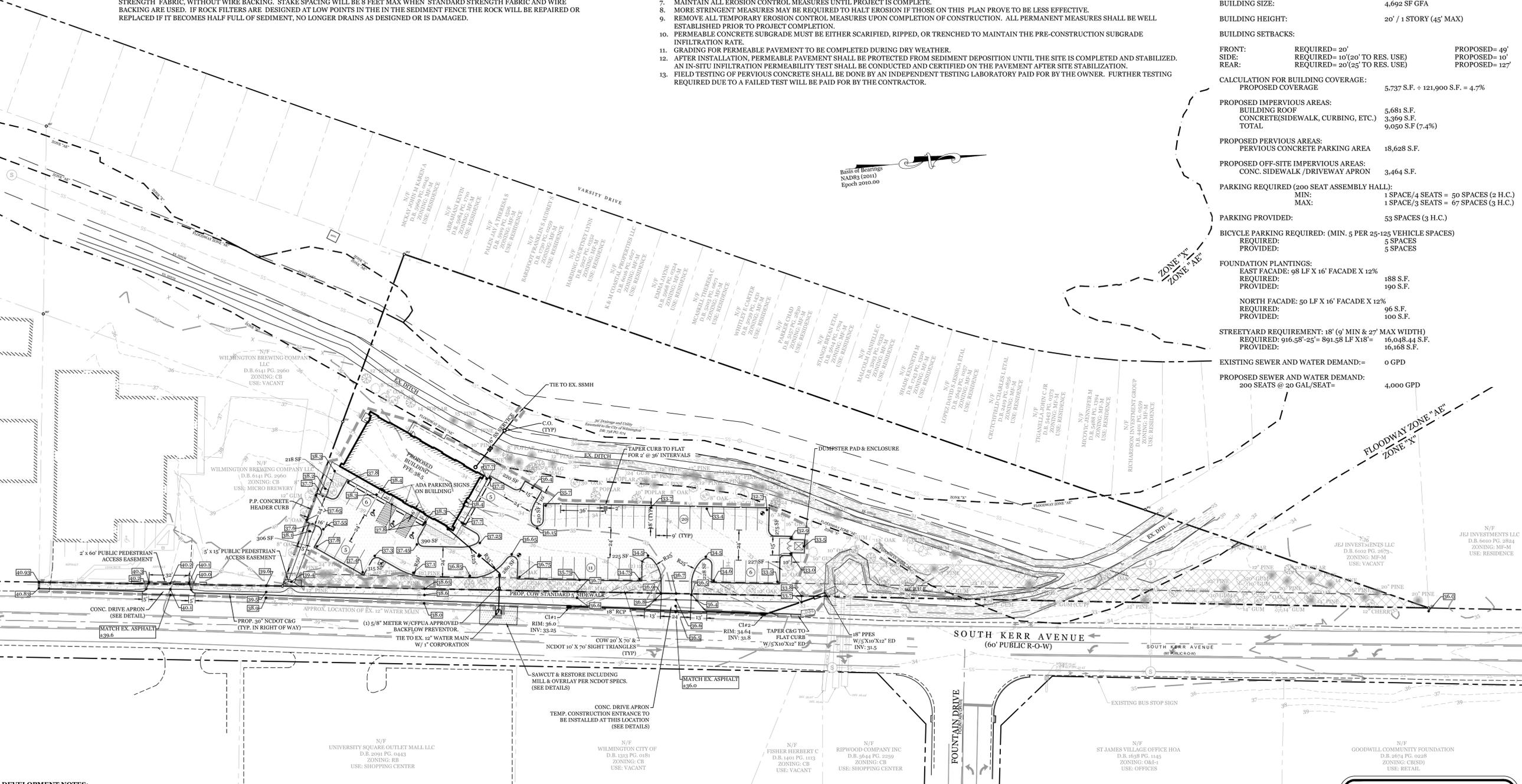
PARCEL ID:	R05515-001-001-003	
CURRENT ZONING:	O&I-1 (OFFICE & INSTITUTION)	
CAMA LAND USE CLASSIFICATION:	URBAN & CONSERVATION AREA	
PROJECT ADDRESS:	800 SOUTH KERR AVE. WILMINGTON, NC 28403	
CURRENT OWNER:	WILMINGTON BREWING COMPANY, LLC 824 SOUTH KERR AVE. WILMINGTON, NC 28403	
TOTAL ACREAGE IN PROJECT BOUNDARY:	121,900 S.F. (± 2.8 ac.)	
PROPOSED USE:	ASSEMBLY HALL	
BUILDING SIZE:	4,692 SF GFA	
BUILDING HEIGHT:	20' / 1 STORY (45' MAX)	
BUILDING SETBACKS:	FRONT: REQUIRED= 20' PROPOSED= 49' SIDE: REQUIRED= 10'(20' TO RES. USE) PROPOSED= 10' REAR: REQUIRED= 20'(25' TO RES. USE) PROPOSED= 127'	
CALCULATION FOR BUILDING COVERAGE:	PROPOSED COVERAGE: 5,737 S.F. ÷ 121,900 S.F. = 4.7%	
PROPOSED IMPERVIOUS AREAS:	BUILDING ROOF: 5,681 S.F. CONCRETE(SIDEWALK, CURBING, ETC.): 3,369 S.F. TOTAL: 9,050 S.F. (7.4%)	
PROPOSED PERVIOUS AREAS:	PERVIOUS CONCRETE PARKING AREA: 18,628 S.F.	
PROPOSED OFF-SITE IMPERVIOUS AREAS:	CONC. SIDEWALK /DRIVEWAY APRON: 3,464 S.F.	
PARKING REQUIRED (200 SEAT ASSEMBLY HALL):	MIN: 1 SPACE/4 SEATS = 50 SPACES (2 H.C.) MAX: 1 SPACE/3 SEATS = 67 SPACES (3 H.C.)	
PARKING PROVIDED:	53 SPACES (3 H.C.)	
BICYCLE PARKING REQUIRED: (MIN. 5 PER 25-125 VEHICLE SPACES)	REQUIRED: 5 SPACES PROVIDED: 5 SPACES	
FOUNDATION PLANTINGS:	EAST FACADE: 98 LF X 16' FACADE X 12% REQUIRED: 188 S.F. PROVIDED: 190 S.F.	
NORTH FACADE: 50 LF X 16' FACADE X 12%	REQUIRED: 96 S.F. PROVIDED: 100 S.F.	
STREETYARD REQUIREMENT: 18' (9' MIN X 27' MAX WIDTH)	REQUIRED: 916.58'-25' = 891.58 LF X 18' = 16,048.44 S.F. PROVIDED: 16,168 S.F.	
EXISTING SEWER AND WATER DEMAND: =	0 GPD	
PROPOSED SEWER AND WATER DEMAND:	200 SEATS @ 20 GAL/SEAT = 4,000 GPD	



REVISIONS

NO.	DATE	DESCRIPTION

INTRACOASTAL ENGINEERING, PLLC
5725 Oleander Dr. Unit E-7
Wilmington, North Carolina 28403
Phone: 910.859.8983
Email: Charlie@intracoastalengineering.com
License Number: P-0662



- DEVELOPMENT NOTES:**
- 1. ALL DEVELOPMENT SHALL BE IN ACCORDANCE WITH THE CITY OF WILMINGTON LAND DEVELOPMENT CODE.
 - 2. PROJECT SHALL COMPLY WITH ALL FEDERAL, STATE & NEW HANOVER COUNTY REGULATIONS.
 - 3. ALL ROOF DRAINS TO BE PIPED DIRECTLY INTO PERVIOUS CONCRETE STONE BASE.

- UTILITY NOTES:**
- 1. EXISTING WATER AND SANITARY SEWER SERVICES ARE CURRENTLY AVAILABLE TO THE SITE FROM CAPE FEAR PUBLIC UTILITY AUTHORITY PUBLIC MAINS.
 - 2. ALL PROPOSED UTILITY SERVICES, SUCH AS ELECTRIC POWER, CABLE, GAS & TELEPHONE SHALL BE INSTALLED UNDERGROUND.
 - 3. ALL WATER & SEWER UTILITIES TO BE INSTALLED PER CFPWA TECHNICAL SPECIFICATIONS & STANDARDS.
 - 4. PROJECT SHALL COMPLY WITH CFPWA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METERS(C) CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND N.C.D.E.M.R. HAS ISSUED THEIR "FINAL APPROVAL." CALL 343-3910 FOR INFORMATION.
 - 5. ANY BACKFLOW PREVENTION DEVICES REQUIRED BY THE CFPWA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USFCCCRR OR ASSE.
 - 6. WATER & SEWER SERVICES CAN NOT BE ACTIVATED ON NEW MAINS UNTIL THE ENGINEER'S CERTIFICATION AND AS-BUILTS ARE RECEIVED AND "FINAL APPROVAL" ISSUED BY THE PUBLIC WATER SUPPLY SECTION OF NCDENR, AND "FINAL ENGINEERING CERTIFICATION" ISSUED BY DIVISION OF WATER QUALITY SECTION OF NCDENR.
 - 7. IF CONTRACTOR DESIRES CFPWA WATER FOR CONSTRUCTION, HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
 - 8. WHEN PVC WATER MAINS AND SERVICES ARE PROPOSED, THE PIPES ARE TO BE MARKED WITH NO. 10 INSULATED, SINGLE-STRAND COPPER WIRE INSTALLED & STRAPPED TO THE PIPES WITH DUCT TAPE. THIS IS TO BE ACCESSIBLE IN ALL VALVES AND METER BOXES TO AID IN FUTURE LOCATION OF FACILITIES.
 - 9. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION. CALL 1-800-622-4949. CONTRACTOR IS RESPONSIBLE FOR THE REPAIR AND REPLACEMENT OF ANY UTILITIES, CURB & GUTTER, PAVEMENT, ETC. THAT MAY BE DAMAGED DURING CONSTRUCTION. DAMAGED ITEMS SHALL BE REPAIRED TO AT LEAST THE QUALITY OR WORKMANSHIP FOUND IN THE ORIGINAL ITEM.
 - 10. THE BELLSOUTH CONTACT IS STEVE DAYVAULT, BUILDING INDUSTRY CONSULTANT, AT 910-392-8712. CONTACT HIM PRIOR TO STARTING THE PROJECT IN ORDER TO FACILITATE GOOD COMMUNICATION AND MAXIMUM FLEXIBILITY.
 - 11. THE PROCESS FOR TELEPHONE CABLE PLACEMENT: * FINAL GRADE WILL NEED TO BE ESTABLISHED. * POWER WILL PLACE THEIR CABLE FIRST - APPROXIMATELY 3' DEEP. * BELLSOUTH & CABLE TV WILL THEN PLACE THEIR CABLE. AT APPROXIMATELY 2' DEEP.
 - 12. SOLID WASTE DISPOSAL BY PRIVATE DUMPSTER SERVICE.
 - 13. EXTERIOR LIGHTING MUST BE INSTALLED SO AS NOT TO SHINE ONTO ADJACENT RESIDENTIALLY USED OR ZONED PROPERTY. NO EXTERIOR LIGHTING IS PROPOSED AT THIS TIME.

- GENERAL TRAFFIC NOTES:**
- 1. ALL TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS OFF THE R/W TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
 - 2. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS. (DETAIL SD 15-13 & SD 11-3 COPW TECH STDS)
 - 3. ALL SIGNS AND PAVEMENT MARKINGS OFF RIGHT OF WAY ARE TO MEET/BE MAINTAINED TO MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS. (DETAIL SD 15-13 & SD 11-3 COPW TECH STDS)
 - 4. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. NOTE THIS ON THE PLAN AND CONTACT 341-5888 FOR MORE DETAILS. IN CERTAIN CASES AN ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED.
 - 5. ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.
 - 6. CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.
 - 7. ALL PROPOSED VEGETATION WITHIN SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30' TO 10'.
- FIRE & SAFETY NOTES:**
- 1. CONSTRUCTION TYPE: III-B (COMMERCIAL)
 - 2. PROPOSED BUILDING WILL NOT BE SPRINKLED
 - 3. PARKING AND LANDSCAPING CANNOT BLOCK FIRE HYDRANTS.
 - 4. ALL WEATHER ACCESS ROAD MUST BE MAINTAINED AROUND CONSTRUCTION SITE AT ALL TIMES.
 - 5. HYDRANTS SHALL BE OF SUFFICIENT NUMBERS TO ACCOMMODATE BASE FIRE FLOW REQUIREMENTS OF STRUCTURE.
 - 6. IN ADDITION TO THE STANDARD COMMENTS, ADDITIONAL FIRE PROTECTION AND ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT.

Approved Construction Plan

Name	Date
Planning	
Public Utilities	
Traffic	
Fire	

City of Wilmington Public Services • Engineering Division
APPROVED DRAINAGE PLAN
Date: _____ Permit # _____
Signed: _____

LEGEND

- PROPERTY LINE
- ADJACENT
- RUNOFF DIRECTION
- EX TOP
- PROP. WATER LINE
- PROP. SEWER LINE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- PROPOSED GATE VALVE
- PROPOSED REDUCER
- BIKE RACK (6 SPACES)
- STREETYARD
- FOUNDATION PLANTINGS
- PERVIOUS CONCRETE
- P.P. MONITORING WELL

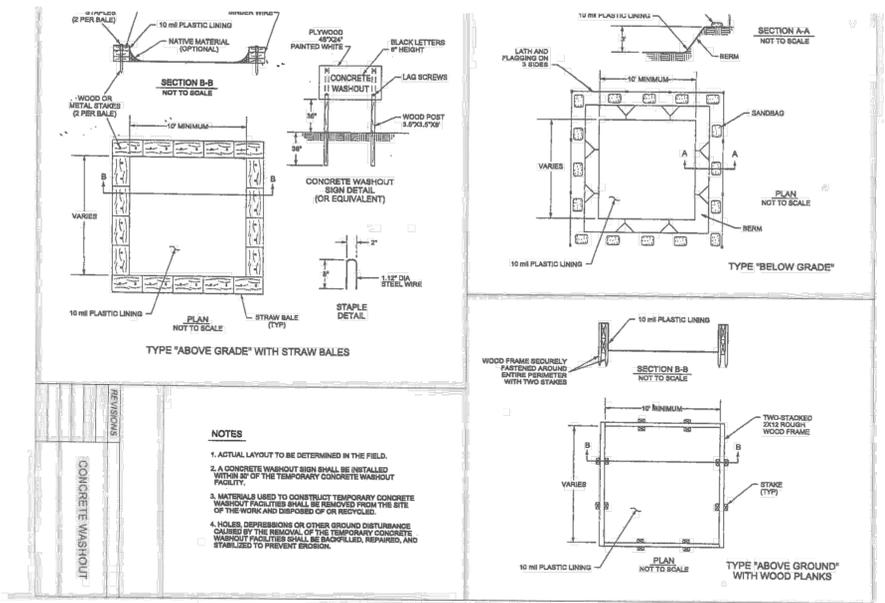
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S. KERR ASSEMBLY HALL
CITY OF WILMINGTON
NEW HANOVER COUNTY, NC

CLIENT INFORMATION:

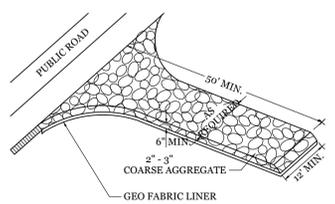
Wilmington Brewing Company, LLC
824 S. Kerr Ave.
Wilmington, NC 28403
Ph. 910-392-3315

DRAWING NUMBER:
C-1
20F5



- NOTES**
1. ACTUAL LAYOUT TO BE DETERMINED IN THE FIELD.
 2. A CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 5' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
 3. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE OF THE WORK AND RECYCLED OR REUSED.
 4. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED, REPAIRED, AND STABILIZED TO PREVENT EROSION.

MAINTENANCE Concrete washouts should be inspected daily and after heavy rains. Damages should be repaired promptly, if filled to over 75 % capacity with rain water it should be vacuumed or allowed to evaporate to avoid overflows. Before heavy rains the containers liquid level should be lowered or the container covered to avoid an over flow during rain. When solids have hardened they should be removed and recycled.



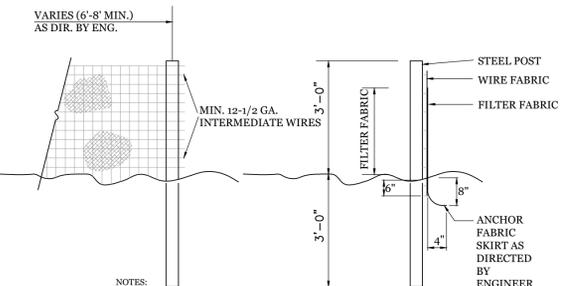
TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
NTS

- SITE WORK NOTES:**
1. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS BOTH ON AND ADJACENT TO THE SITE.
 2. CLEARING: CONTRACTOR SHALL REMOVE ALL TREES AND VEGETATION WITHIN LIMITS OF CONSTRUCTION UNLESS OTHERWISE DESIGNATED TO REMAIN.
 3. GRUBBING AND STRIPPING: CONTRACTOR SHALL RAKE AND REMOVE ROOTS, STUMPS, VEGETATION, DEBRIS, EXISTING STRUCTURES ABOVE AND BELOW GRADE, ORGANIC MATERIAL OR ANY OTHER UNSUITABLE MATERIAL WITHIN LIMITS OF CONSTRUCTION.
 4. MUCKING: CONTRACTOR SHALL COORDINATE WITH OWNER AND THEIR GEOTECHNICAL REPRESENTATIVE TO COORDINATE REMOVAL OF ANY SOFT AREAS.
 5. DISPOSAL: CLEARED, GRUBBED, STRIPPED OR OTHER WASTE MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN A PROPERLY PERMITTED FACILITY.
 6. FILL AND COMPACTION SHOULD COMPLY WITH GEOTECHNICAL RECOMMENDATIONS.
 7. THE CONTRACTOR SHALL NOTE THAT THE GRADING PLAN MAY NOT REPRESENT A BALANCED EARTHWORK CONDITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUT AND FILL QUANTITIES AND COMPLETE INSTALLATION TO SPECIFIED GRADES.
 8. THE CONTRACTOR SHALL FURNISH SUITABLE BORROW MATERIAL FROM AN OFF-SITE PROPERLY PERMITTED FACILITY AS REQUIRED.
 9. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT ELEVATIONS AND LOCATIONS OF ALL EXISTING UTILITIES AT ALL CROSSINGS PRIOR TO COMMENCING TRENCH EXCAVATION. IF ACTUAL CLEARANCES ARE LESS THAN INDICATED ON PLAN, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION. ANY CONDITION DISCOVERED OR EXISTING THAT WOULD NECESSITATE A MODIFICATION OF THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
 10. NO CONSTRUCTION IS TO BEGIN BEFORE LOCATION OF EXISTING UTILITIES HAS BEEN DETERMINED. CALL "NC ONE-CALL" AT LEAST 48 HOURS BEFORE COMMENCING CONSTRUCTION.
 11. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. BEFORE COMMENCING ANY EXCAVATIONS IN OR ALONG ROADWAYS OR RIGHT-OF-WAYS, PUBLIC AREAS OR IN PRIVATE EASEMENTS, THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE PERSONNEL OF THEIR INTENT TO EXCAVATE, IN WRITING, NOT LESS THAN 10 DAYS PRIOR TO EXCAVATING.
 12. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE DISCONNECTION/ RECONNECTION AND/OR THE RELOCATION OF ALL EXISTING UTILITIES WITH APPROPRIATE PERSONNEL.
 13. CONTRACTOR SHALL ADJUST ALL MANHOLES, VALVE & CURB BOXES TO FINAL GRADE UPON COMPLETION OF ALL CONSTRUCTION. ANY BOXES DAMAGED OR OTHERWISE DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
 14. EXISTING SURVEY DATA PROVIDED BY GEONNOVATION, PC.
 15. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AT THE SITE. FURTHERMORE THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES OR QUESTIONS TO THE ENGINEER PRIOR TO INSTALLATION.
 16. THE CONTRACTOR SHALL PROVIDE ANY AND ALL LAYOUT REQUIRED TO CONSTRUCT HIS WORK UNLESS OTHERWISE DIRECTED BY OWNER.
 17. ALL SERVICE CONNECTIONS SHALL BE INSTALLED TO MEET ALL LOCAL, STATE, AND CPWA CODES. METERS, TAPS, MATERIALS, WORKMANSHIP AND ALL FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL COMPLY WITH ALL REQUIREMENTS.
 18. ALL BACKFILL FROM UTILITY INSTALLATION MUST BE COMPACTED OR AMENDED TO PROVIDE TRAFFIC BEARING CAPACITY. GEOTECHNICAL ENGINEER TO BE CONSULTED AT CONTRACTORS COST AS NECESSARY.
 19. ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO INSTALLATION. ALL AREAS SHALL BE SLOPED TO DRAIN AWAY FROM BUILDINGS AT ALL TIMES.
 20. CONCRETE FOR WALKS, CURBS AND DRIVES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS - AIR ENTRAINED.
 21. FIELD TESTING SHALL BE DONE BY AN INDEPENDENT TESTING LABORATORY PAID FOR BY THE OWNER. FURTHER TESTING REQUIRED DUE TO A FAILED TEST WILL BE PAID FOR BY THE CONTRACTOR.
 22. ALL SIDEWALKS SHALL BE FREE OF CRACKS, BREAKS, OR ANY OTHER DEFECT PRIOR TO RECEIVING A CERTIFICATE OF OCCUPANCY.

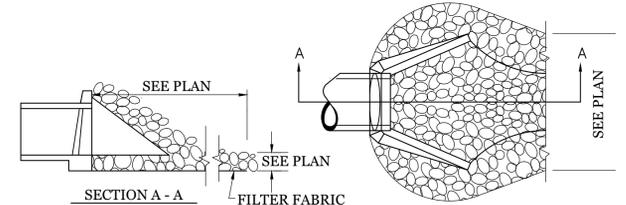
NORTH CAROLINA TEMPORARY GRASSING DETAIL		NORTH CAROLINA PERMANENT GRASSING DETAIL	
SEEDING MIXTURE SPECIES	APPLICATION RATE	SEEDING MIXTURE SPECIES	APPLICATION RATE
LATE WINTER & EARLY SPRING:			
Rye (grain)	100 (lb/acre)	FALL & WINTER:	
Annual Ispezeda (Kobe in Piedmont and Coastal Plain, Korean in Mountains)	50 (lb/acre)	Tall Fescue (blend of two or three improved varieties)	200 (lb/acre)
<i>Omit annual Ispezeda when duration of temporary cover is not to extend beyond June</i>			
SUMMER:			
German Millet	40 (lb/acre)	Rye (grain)	25 (lb/acre)
In the Piedmont and Mountains, a small-stemmed sudangrass may be substituted at a rate of 50 (lb/acre)		SPRING & SUMMER:	
FALL:			
Rye (grain)	120 (lb/acre)	Pensacola Bahiagrass	50 (lb/acre)
SEEDING DATES			
LATE WINTER & EARLY SPRING:		FALL & WINTER:	
Mountains - Above 2500 ft. Feb. 15-May 15		January - April	
Piedmont - Jan. 1-May 1		August - December	
Coastal Plain - Dec. 1-Apr. 15		SOIL AMENDMENTS:	
SUMMER:		Apply lime and fertilizer according to soil tests, or apply 3,000-5,000 lb/acre ground agricultural limestone (use the lower rate on sandy soils) and 1,000 lb/acre 10-10-10 fertilizer.	
Mountains - May 15-Aug. 15		MAINTENANCE:	
Piedmont - May 1-Aug. 15		Fertilize according to soil tests or apply 40 lb/acre nitrogen in January or February, 40 lb in September and 40 lb in November, from a 12-4-8, 16-4-8, or similar turf fertilizer. Avoid fertilizer applications during warm weather, as this increases stand losses to disease. Re-seed, fertilize, and mulch damaged areas immediately. Mow to a height of 2.5-3.5 inches as needed.	
Coastal Plain - Apr. 15-Aug. 15		SPRING & SUMMER:	
FALL:		April 1 - July 15	
Mountains - Aug. 15-Dec. 15		SOIL AMENDMENTS:	
Coastal Plain and Piedmont - Aug. 15-Dec. 30		Apply lime and fertilizer according to soil tests, or apply 3,000 lb/acre ground agricultural limestone and 500 lb/acre 10-10-10 fertilizer.	
SOIL AMENDMENTS:		MAINTENANCE:	
Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10-10-10 fertilizer.		Refer to the following April with 50 lb/acre nitrogen. Repeat as growth requires. May be mowed only once a year. Where a neat appearance is desired, omit sericea and mow as often as needed.	
MULCH:		MULCH:	
Apply 4,000 lb/acre straw, anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.		Apply 4,000 lb/acre straw, anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.	
MAINTENANCE:		MAINTENANCE:	
Refer to the following April with 50 lb/acre nitrogen. Repeat as growth requires. May be mowed only once a year. Where a neat appearance is desired, omit sericea and mow as often as needed.		Refer to the following April with 50 lb/acre nitrogen. Repeat as growth requires. May be mowed only once a year. Where a neat appearance is desired, omit sericea and mow as often as needed.	

SYMBOL	GROUND STABILIZATION CRITERIA		
	SITE AREA DESCRIPTION	STABILIZATION TIMEFRAME	STABILIZATION TIMEFRAME EXCEPTIONS
[Symbol]	* Perimeter dikes, ditches and slopes	7 Days	None
[Symbol]	* High Quality Water (HQW) Zones	7 Days	None
[Symbol]	* Slopes Steeper than 3:1	7 Days	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
[Symbol]	* Slopes 3:1 or flatter	14 Days	7-days for slopes greater than 50 ft. in length
[Symbol]	* All other areas with slopes flatter than 4:1	14 Days	None (except for perimeters & HQW Zones)

- BUILDING WASTE HANDLING:**
- NO PAINT OR LIQUID WASTES IN STREAM OR STORM DRAINS
 - DEDICATED AREAS FOR DEMOLITION, CONSTRUCTION AND OTHER WASTES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES ARE AVAILABLE.
 - EARTHEN MATERIAL STOCKPILES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES ARE AVAILABLE.
 - CONCRETE MATERIALS MUST BE CONTROLLED TO AVOID CONTACT WITH SURFACE WATERS, WETLANDS, OR BUFFERS.
- INSPECTIONS:**
- SAME WEEKLY REQUIREMENTS
 - SAME RAIN GAUGE & INSPECTIONS AFTER 0.50" RAIN EVENT.
 - INSPECTIONS ARE ONLY REQUIRED DURING "NORMAL BUSINESS HOURS"
 - INSPECTION REPORTS MUST BE AVAILABLE ON-SITE DURING BUSINESS HOURS UNLESS A SITE-SPECIFIC EXEMPTION IS APPROVED.
 - RECORDS MUST BE KEPT FOR 3 YEARS AND AVAILABLE UPON REQUEST.
 - ELECTRONICALLY AVAILABLE RECORDS MAY BE SUBSTITUTED UNDER CERTAIN CONDITIONS.
- SEDIMENT BASINS:**
- OUTLET STRUCTURES MUST BE WITHDRAWN FROM BASIN SURFACES UNLESS DRAINAGE AREA IS LESS THAN 1-ACRE.
 - USE ONLY DWQ APPROVED FLOCULANTS.

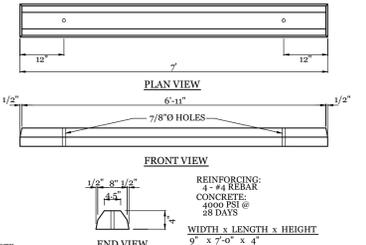
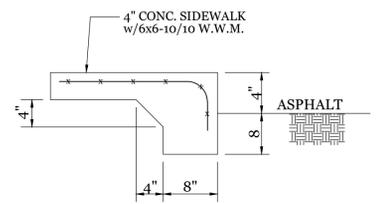


- NOTES:**
1. FENCE FABRIC SHALL BE A MIN. OF 32" IN WIDTH AND SHALL HAVE A MIN. OF SIX LINE WIRES WITH 12" STAY SPACING.
 2. FABRIC SHALL BE FOR EROSION CONTROL AND MIN. OF 36" IN WIDTH. FABRIC SHALL BE FASTENED ADEQUATELY TO THE WIRE FABRIC AS DIRECTED BY THE ENGINEER.
 3. STEEL POST SHALL BE 5'-0"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

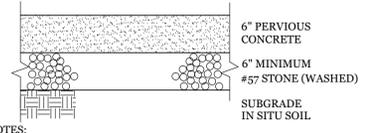
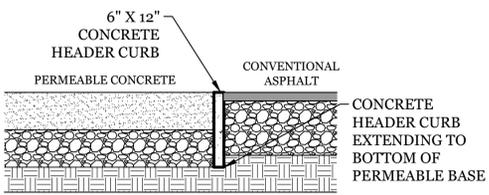
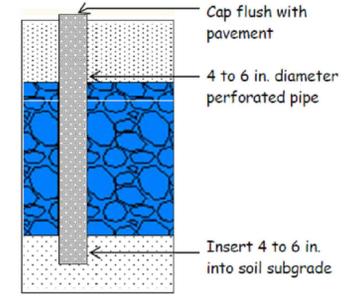


NOTES:

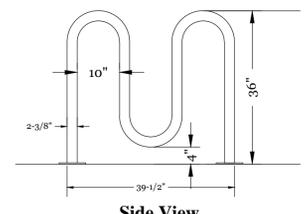
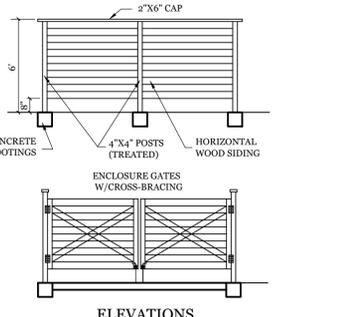
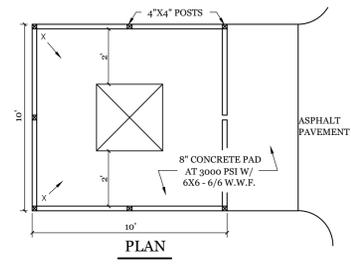
1. CLASS "B" RIP RAP TO BE USED FOR ALL ENERGY DISSIPATOR AREAS.



- NOTES:**
1. CONTRACTOR SHALL INSTALL PER CITY OF WILMINGTON TECHNICAL STANDARD PER SD 19-13
 2. CONTRACTOR SHALL INSTALL WHEEL STOP 2.5' FROM SIDEWALK.



- NOTES:**
1. ALL ROOF DRAINS TO BE PIPED DIRECTLY INTO PERVIOUS CONCRETE STONE BASE.
 2. SUBGRADE MUST BE EITHER SCARIFIED, RIPPED, OR TRENCHED TO MAINTAIN THE PRE-CONSTRUCTION SUBGRADE INFILTRATION RATE.



Approved Construction Plan

Name: _____ Date: _____

Planning _____

Public Utilities _____

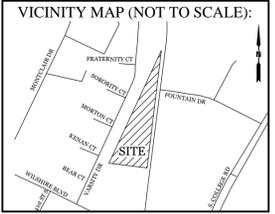
Traffic _____

Fire _____

City of Wilmington
Public Services • Engineering Division
APPROVED DRAINAGE PLAN

Date: _____ Permit # _____

Signed: _____



REVISIONS

NO.	DATE	DESCRIPTION

INTRACOASTAL ENGINEERING, PLLC

5725 Oleander Dr. Unit E-7
Wilmington, North Carolina 28403
Phone: 910.859.8983
Email: Charlie@intracoastalengineering.com
License Number: P-0662

DETAILS FOR S. KERR ASSEMBLY HALL

CITY OF WILMINGTON
NEW HANOVER COUNTY, NC

PROHIBITED FOR REPRODUCTION

032935

FOR OFFICIAL USE

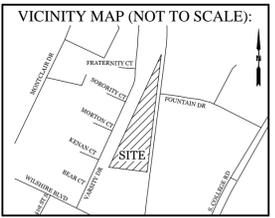
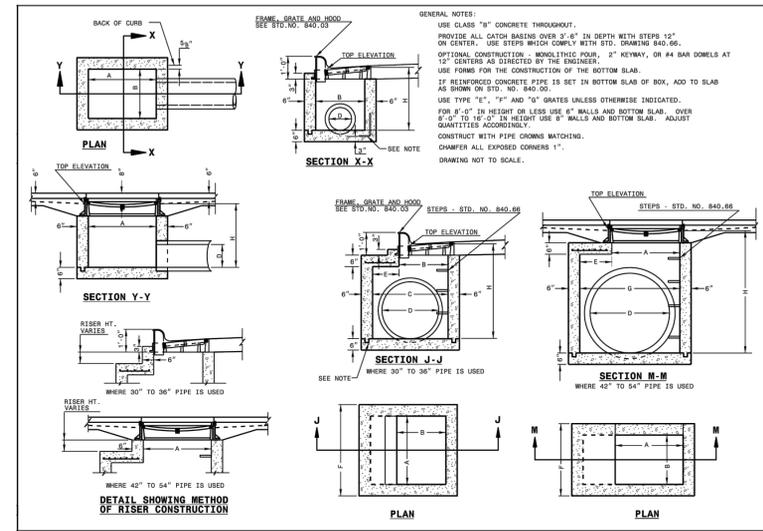
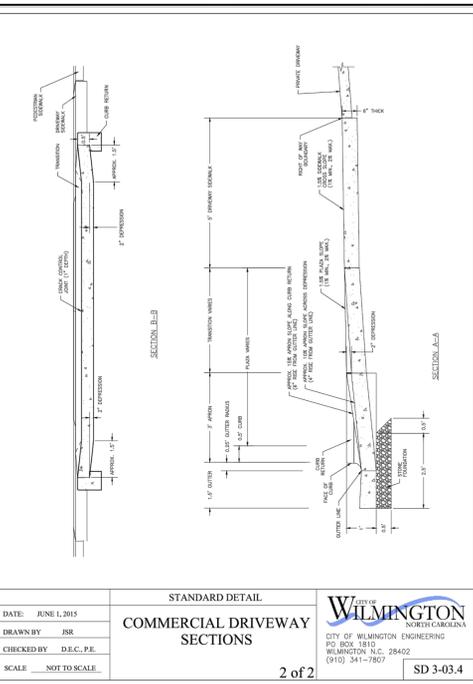
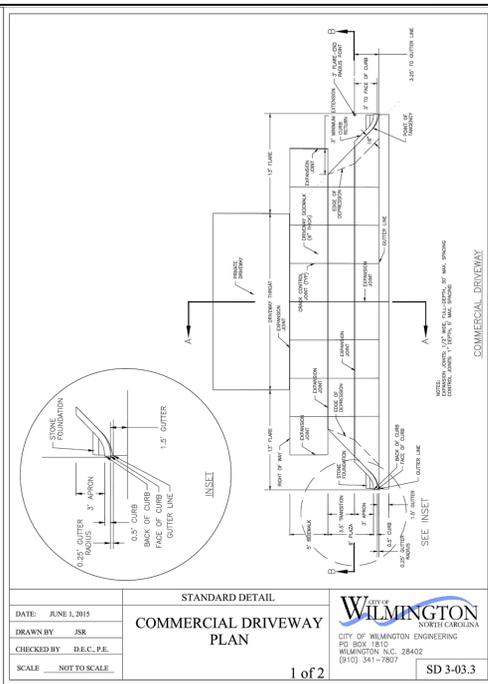
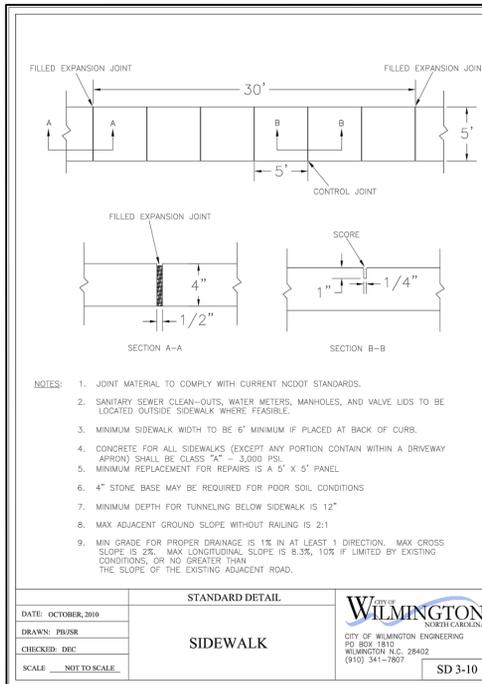
CLIENT INFORMATION:

Wilmington Brewing Company, LLC
824 S. Kerr Ave.
Wilmington, NC 28403
Ph. 910-392-3315

DRAWN: JAE	SHEET SIZE: 24x36
CHECKED: CDC	DATE: 8/16/2019
APPROVED: CDC	SCALE: NTS
PROJECT NUMBER: 2018-035	

DRAWING NUMBER: **C-2**

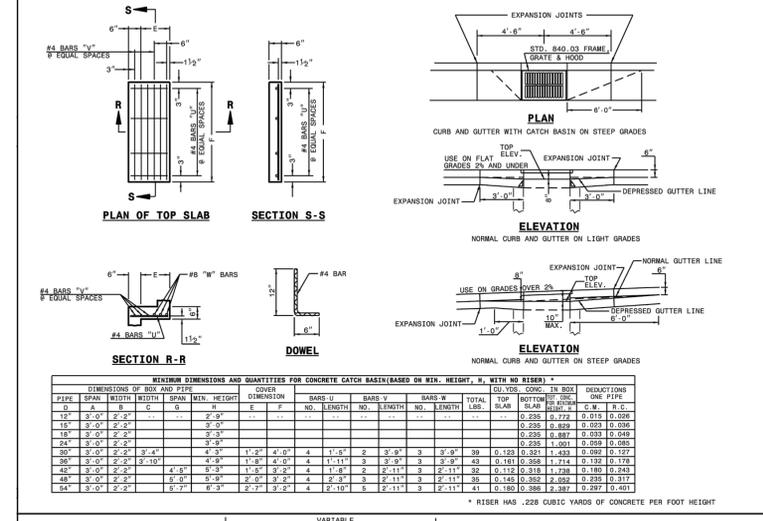
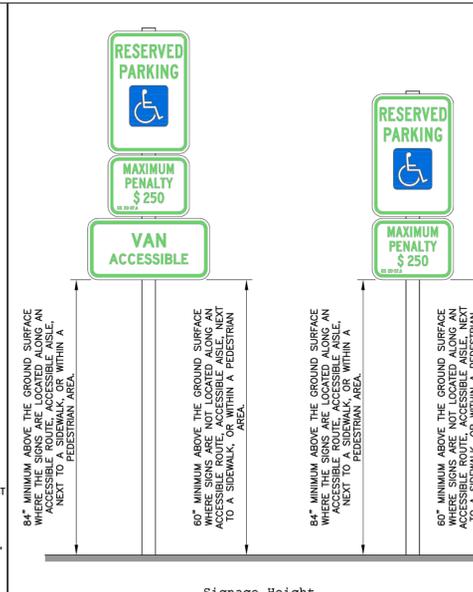
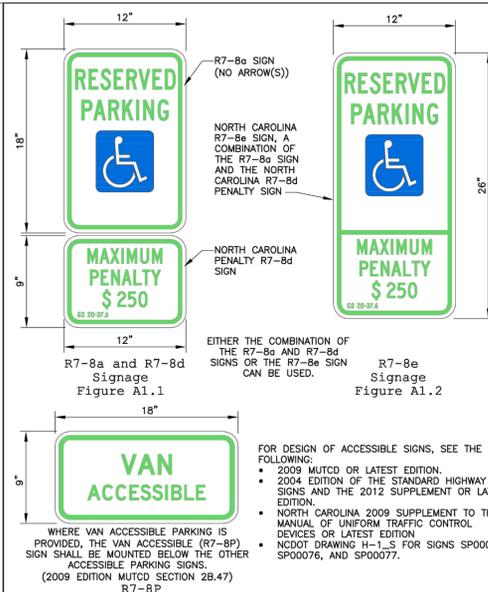
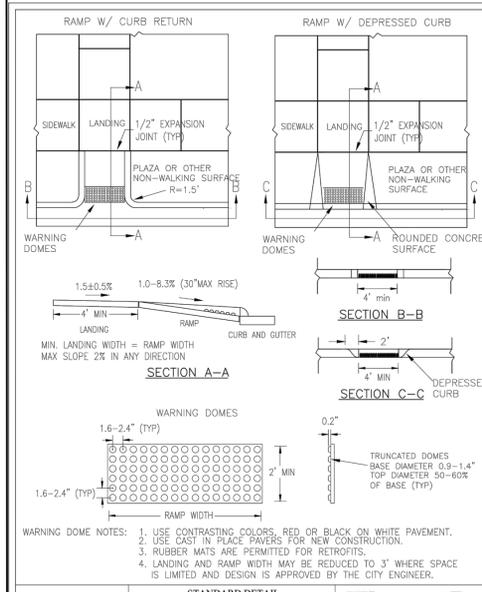
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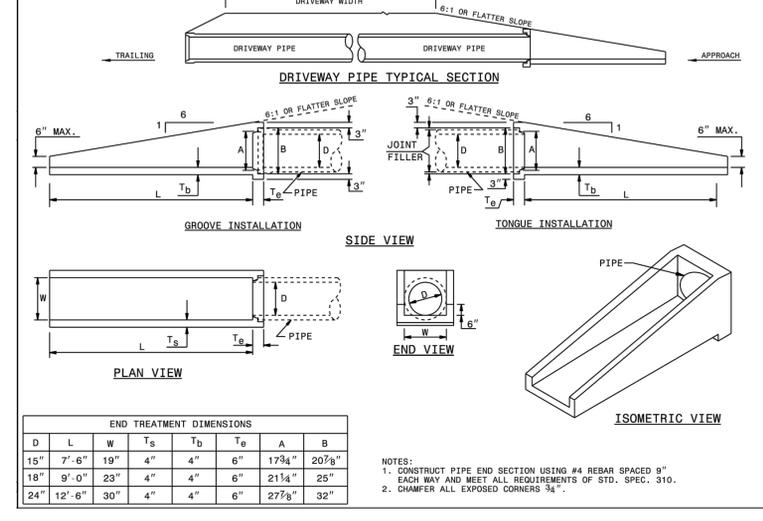
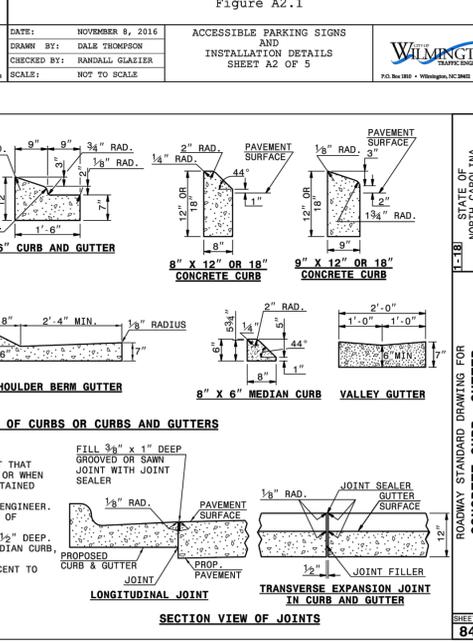
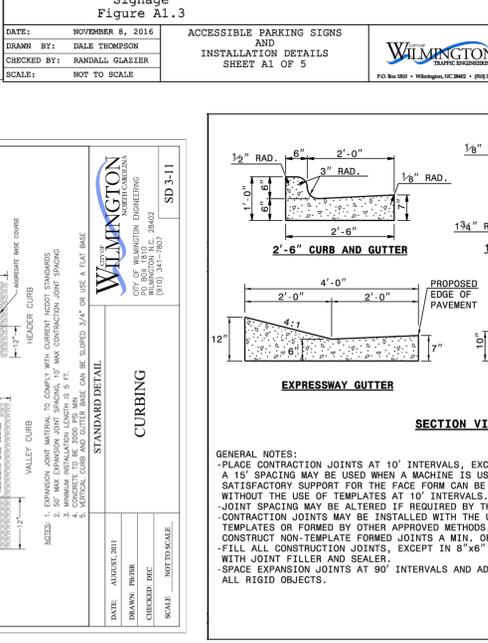
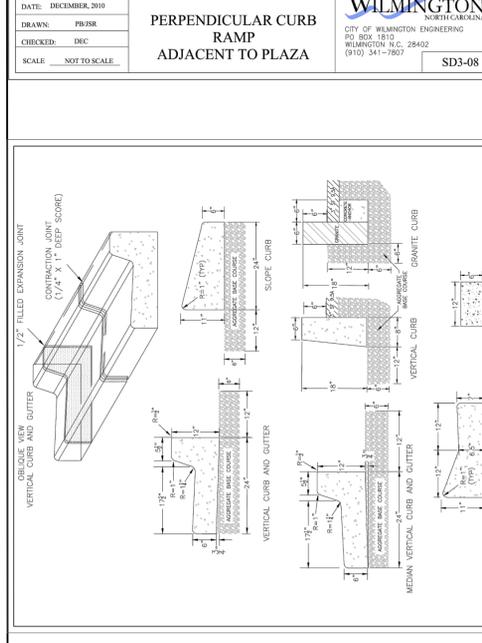
REVISIONS

NO.	DESCRIPTION

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5725 Oleander Dr. Unit E-7
Wilmington, North Carolina 28403
Phone: 910.859.8983
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DETAILS FOR S. KERR ASSEMBLY HALL
CITY OF WILMINGTON
NEW HANOVER COUNTY, NC

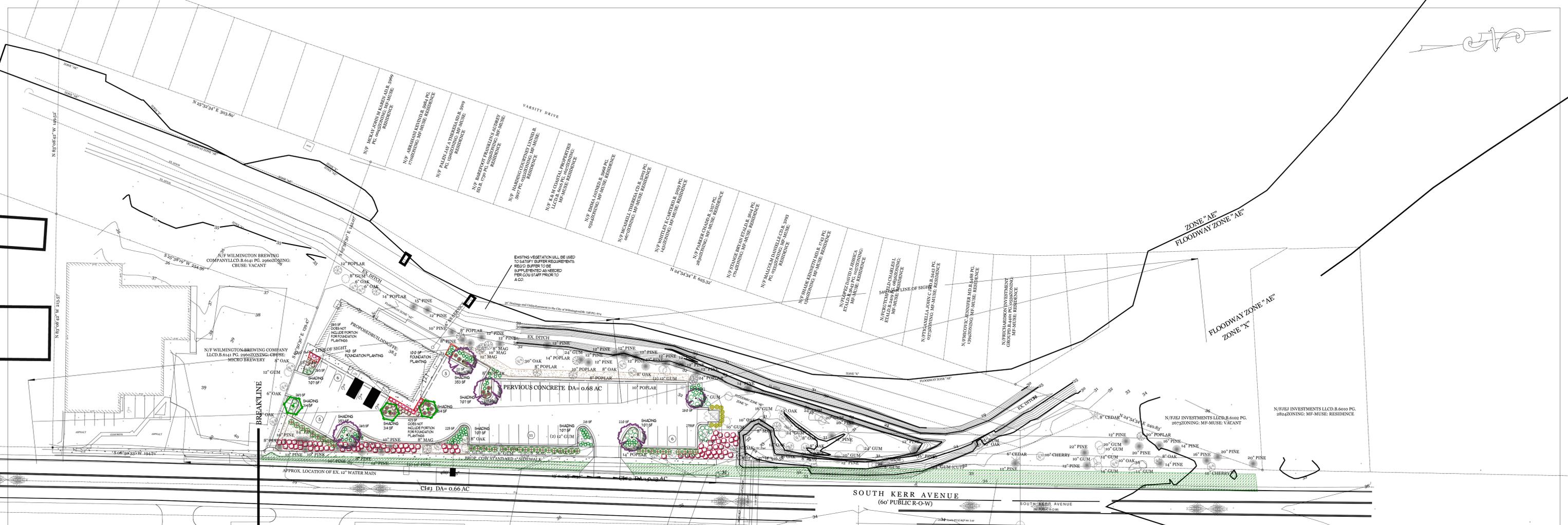


DRAINAGE ENGINEERING
FOR C.D. CALZADILLA

CLIENT INFORMATION:
Wilmington Brewing Company, LLC
824 S. Kerr Ave.
Wilmington, NC 28403
Ph. 910-392-3315

DRAWN: JAE **SHEET SIZE:** 24x36
CHECKED: CDC **DATE:** 8/16/2019
APPROVED: CDC **SCALE:** NTS
PROJECT NUMBER: 2018-035
DRAWING NUMBER: C-3

Approved Construction Plan
Name: _____ Date: _____
Public Utilities
Traffic
Fire**APPROVED DRAINAGE PLAN**
Date: _____ Permit # _____
Signed: _____



PARCEL ID: R05515-001-001-003
CURRENT ZONING: O 2.14
CAMA LAND USE CLASSIFICATION: URBAN & CONSERVATION AREA
PROJECT ADDRESS: 800 S. SOUTH KERR AVE, WILMINGTON, NC 28403
CURRENT OWNER: WILMINGTON BREWING CO, LLC
TOTAL AC IN PROJECT BOUNDARY: 121,300 SF (2.8 AC)
BLDG. SIZE: 46,332 SF GFA
BLD. HEIGHT: 20' 1 STORY (45' MAX)
BLDG. SETBACKS:
 FRONT: REQ'D=20' PROPOSED=49'
 SIDE: 10' (20' TO REG. USE) 10'
 REAR: 20' (25' TO REG. USE) 127'
CALC. FOR BLDG. COVERAGE:
 PROPOSED 5,737 SF / 121,300 SF = 4.7%
PROPOSED IMPERVIOUS AREAS:
 ROOF 5,601 SF
 CONCRETE 3,363 SF
 TOTAL 9,000 SF (7.4%)
PROPOSED PERVIOUS AREAS:
 PERVIOUS CONCRETE 10,628 SF
 PROPOSED OFF-SITE 3,464 SF
PARKING REQ'D (200 SEAT ASSEMBLY HALL):
 MIN: 1 SF/SPACE (4 SEATS = 50 SPACES (2 HC))
 MAX: 1 SF/SPACE (3 SEATS = 67 SPACES (3 HC))
PARKING PROVIDED: 53 SPACES (3 HC)
BICYCLE PARKING REQ'D (MIN. 5 PER 25-125 VEHICLE SPACES):
 REQ'D: 5 SPACES PROVIDED
FOUNDATION PLANTINGS:
 EAST FACADE: 30 LF x 16 FACADE X 12 REQ'D: 180 SF
 PROVIDED: 140 SF#
 # REMAINING REQ'D. AREA TO BE MET WITH PLANTERS:
 NORTH FACADE: 50 LF x 16' X 12 REQ'D: 36 SF
 PROVIDED: 100 SF
STREET YARD REQUIREMENT:
 REQ'D: 36.40 - 25' = 893.50 LF x 18' = 16,049 SF
 PROVIDED: 16,168 SF
EXISTING SEWER AND WATER DEMAND: 0 GPD
PROPOSED SEWER AND WATER DEMAND: 200 SEATS @ 20 GAL / SEAT = 4,000 GPD

USING THE CREATIVE STANDARD OF THE CODE 50% OF REQUIRED PLANTINGS SHALL BE INCORPORATED IN THE STREET YARD.
FRONT STREET YARD:
 16,168 SF / 600 = 32 TREES 2" CAL. REQ'D. & 192 SHRUBS 12" HT.
FRONT STREET YARD:
 50%
 16 TREES 40 EXISTING TREES TO REMAIN IN THE STREET YARD
 36 SHRUBS
 The areas within the triangular sight distance shall be maintained free of all obstructions between 30" and 10'.
 FROM 10' ANY CLIPPING, LOGGING OR CONSTRUCTION ACTIVITY. TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROUPS OF TREES. NO CONSTRUCTION WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCE.
 All planted and retained living material required to meet the provisions of the City of Wilmington Land Development Code, shall be perpetually protected and maintained to professionally accepted standards by joint and several responsibility of the owner, tenant and respective agents of the property on which the material is located.
 A rain/freeze sensor shall be used if there is an irrigation system.
 18,628 SF x 20% shading req'd. = 3,726 sf
 5 x 707 sf = 3535 + 5 x 314 sf = 1570 sf = 4869 sf Total Shading prov'd.

LEGEND		
COMMON NAME	QTY	SIZE
SHRUB, EVERGREEN BROADLEAF		
AZALEA, 56 INDICAS & 40 BLOOM-A-THONS	82	3 GAL.
BOXWOOD, GREEN MOUNTAIN, PYRAMIDAL	15	3 GAL.
HOLLY, YAUPON, DWARF	24	3 GAL.
MAHONIA, SOFT CARESS	20	3 GAL.
GULFSTREAM NANDINA	87	3 GAL.
DRIFT ROSE	17	3 GAL.
YEW, UPRIGHT JAPANESE	9	7 GAL.
TREE		
LIVE OAK	5	2" CAL.
EAGLESTON HOLLY, TREE FORM	3	8' HT.
LIGUSTRUM RECURVE	34	7 GAL., 3' HT., LOW BUFFER

Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
 Date: _____ Permit # _____
 Signed: _____

Approved Construction Plan
 Name _____ Date _____
 Planning _____
 Traffic _____
 Fire _____



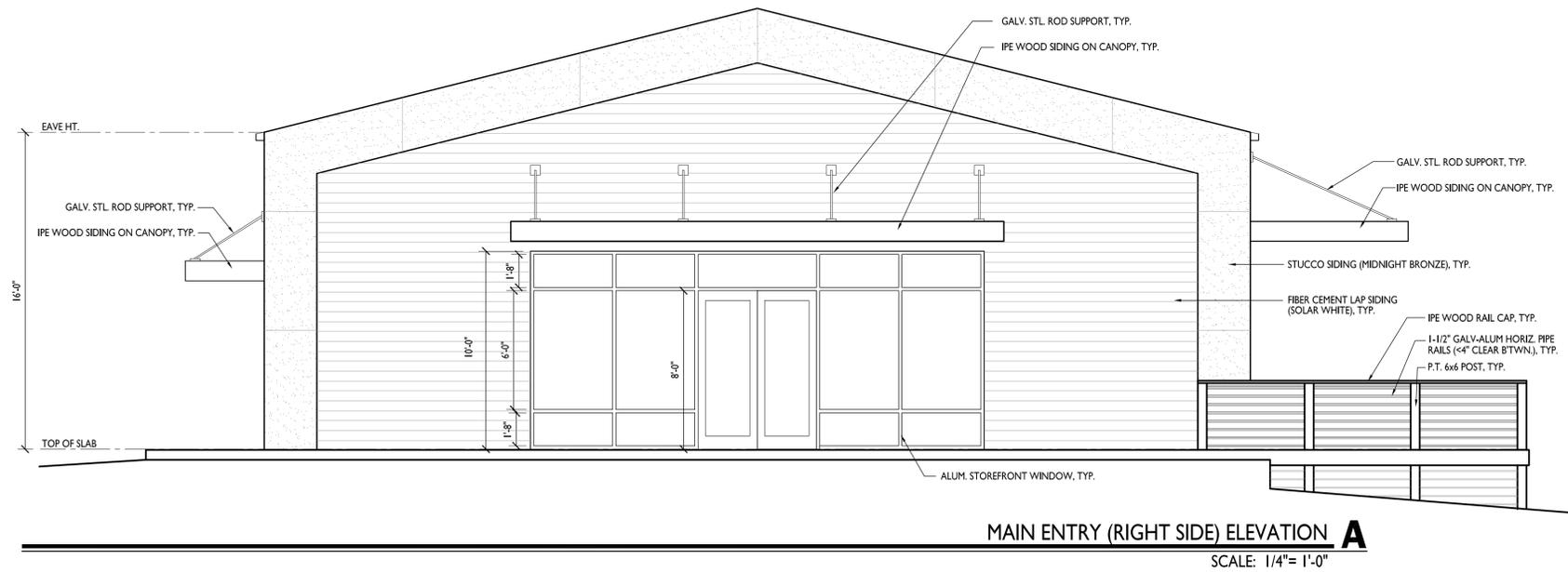
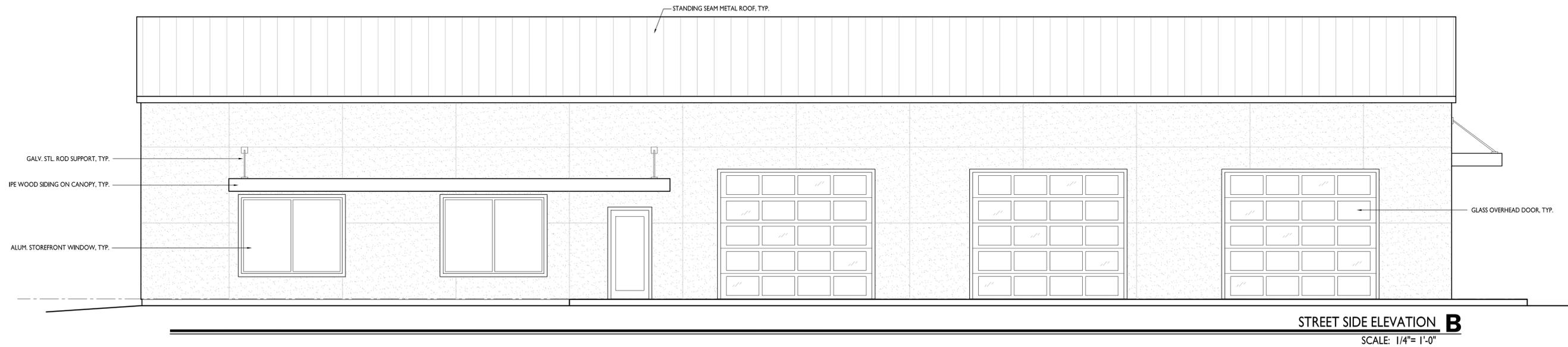
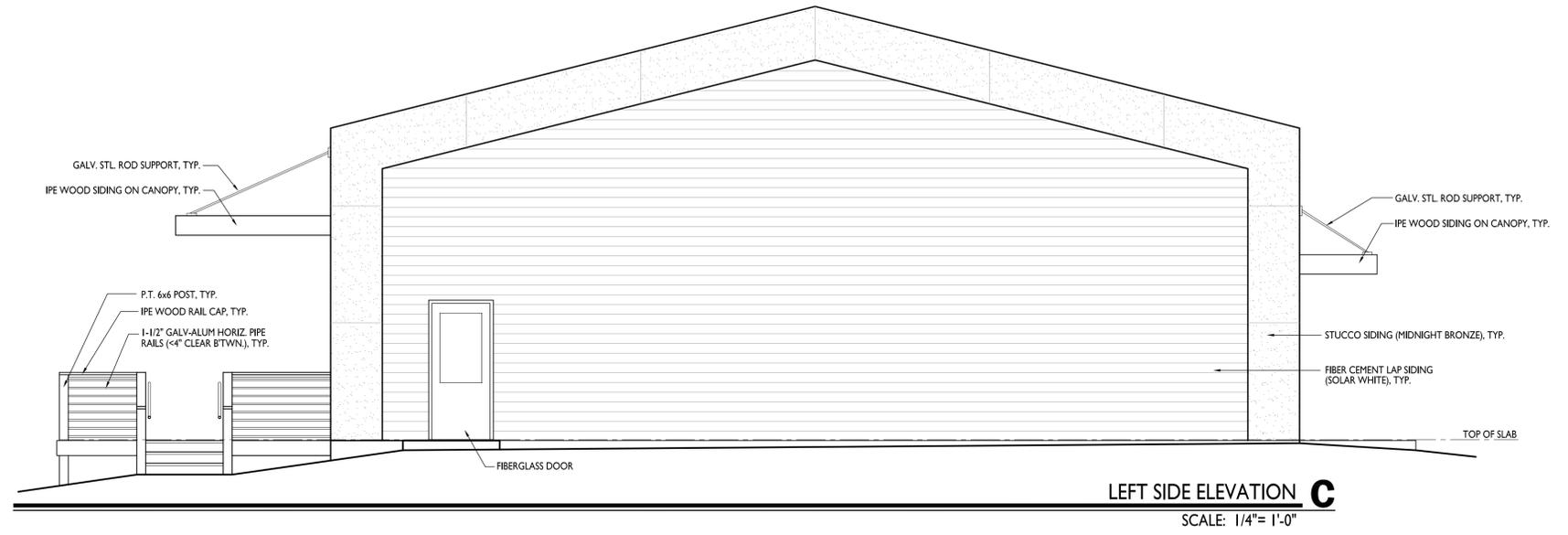
JIM@FREEMANLANDSCAPE.COM 910-796-1166

Revision #: 3
Date: 8/14/2019

Scale: 1" = 40'

Landscape Plan:
S. Kerr Assembly Hall

Landscape Design by: Jim Freeman - NCLC# 71
Freeman Landscape, Inc.



DOGWOOD ARCHITECTURE
SUSTAINABLE MODERN VERNACULAR
1106 AUDUBON BLVD. WILMINGTON, NC 28403
910.769.4467 www.dogwoodarchitecture.com
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PRELIMINARY NOT FOR CONSTRUCTION

LUMBER YARD ASSEMBLY HALL
800 SOUTH KERR AVE
WILMINGTON, NORTH CAROLINA

ELEVATIONS
08.06.2019
REVISIONS:

A3.1