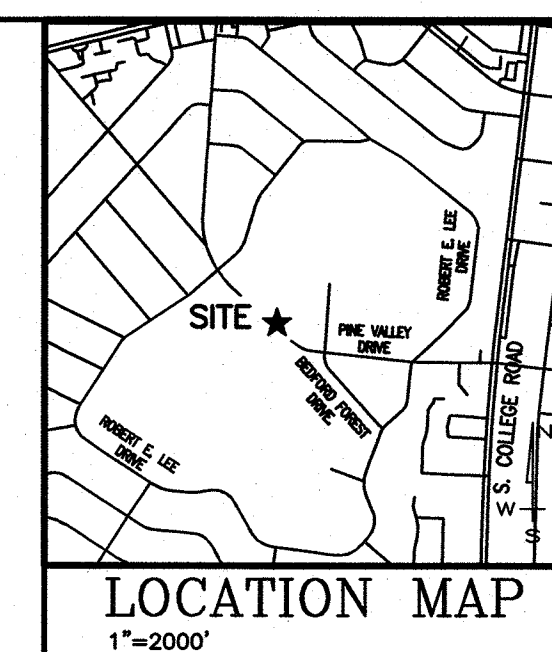


| REVISIONS | | | |
|-----------|----------|---|-----|
| No. | Date | Description | By |
| 1 | 12.04.21 | ADDED MISSING TREE INFO, PROV. FOUNDAT. CALCS | BJH |



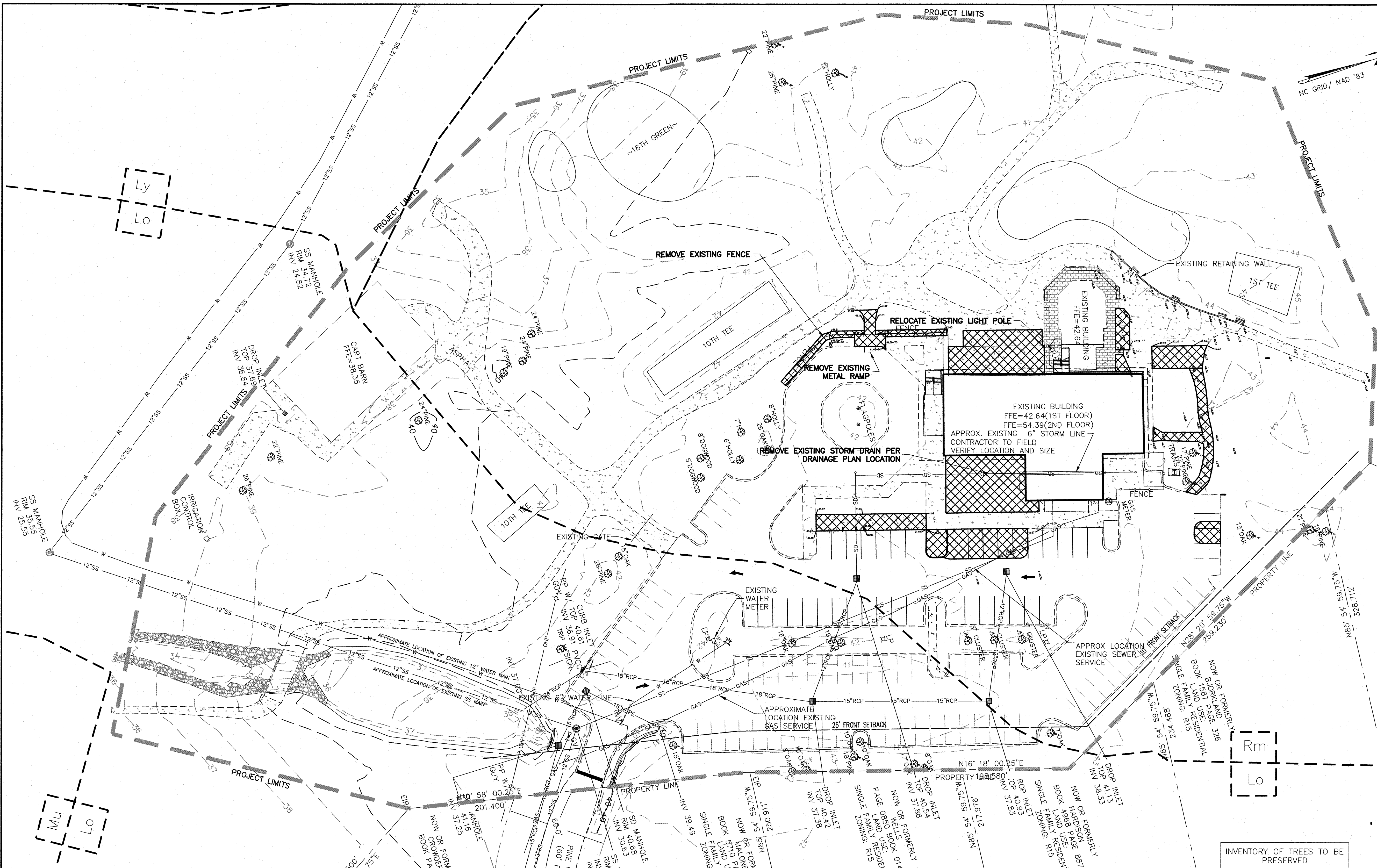
SITE DATA:

| | |
|--|--|
| PROPERTY OWNER | PINE VALLEY COUNTRY CLUB IN |
| PROJECT ADDRESS | 500 PINE VALLEY DR |
| PIN NUMBERS | R06606-001-018-000 |
| AREA NOT IN A FEMA 100-YEAR FLOOD ZONE | |
| ZONING DISTRICT | R-15-RESIDENTIAL DISTRICT |
| CAMA LAND USE | WATERSHED PROTECTION AREA |
| PROJECT AREA | 269,222.8 SF (6.18 AC) |
| DISTURBED AREA | 17,724 SF (0.41 AC.) |
| BUILDING USE | COMMERCIAL |
| BUILDING TYPE | CCL-CCL |
| CONSTRUCTION TYPE | IV B |
| ADDITION CLASSIFICATION | ALTERATION LEVEL III |
| REQUIRED SETBACKS | FRONT: 25' SIDE: 10' REAR: 20' |
| PROPOSED SETBACKS | FRONT: 166' SIDE: 136' REAR: 405'+ |
| EXISTING BUILDING AREA (FIRST FLOOR GROSS) | 8,506 SF |
| PROPOSED BUILDING AREA WITH ADDITION (FIRST FLOOR GROSS) | 9,221 SF |
| BUILDING LOT COVERAGE 9,221/5,698,084 | 0.16% |
| BUILDING % INCREASE | 8.4% |
| NUMBER OF PROPOSED BUILDING ADDITIONS | 1 |
| BUILDING HEIGHT | 19'-9" |
| NUMBER OF STORIES | 1 |
| SQUARE FEET PER FLOOR | 715 SF |
| EXISTING IMPERVIOUS | |
| BUILDING | 13,102 SF |
| CONCRETE SURFACE | 29,467 SF |
| ASPHALT SURFACE | 43,715 SF |
| PAVER SURFACE | 1,401 SF |
| TOTAL IMPERVIOUS | 87,685 SF |
| EXISTING IMPERVIOUS TO BE REMOVED | |
| CONCRETE SURFACE | 628 SF |
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| TOTAL IMPERVIOUS | 1,237 SF |
| PROPOSED IMPERVIOUS | |
| BUILDING | 730 SF |
| CONCRETE | 4,143 SF |
| TOTAL IMPERVIOUS | 4,873 SF |
| PARKING REQUIRED: MINIMUM | |
| 3 SPACES/PER HOLE | 54 |
| TOTAL PARKING PROVIDED: | 101 |
| HANDICAP SPACES REQUIRED (1 PER 25 PARKING SPACES) | 5 |
| SPACES PROVIDED | 5 |
| GOLF CART PARKING | 39 SPACES |
| REQUIRED LANDSCAPING | |
| FOUNDATION PLANTING | BUILDING FACE * HEIGHT * 12% (48.33' * 19.75') * .12 = 115 SF |
| PROVIDED | 378 SF & 294 SF |

SITE INVENTORY AND DEMOLITION PLAN
PINE VALLEY COUNTRY CLUB
 WILMINGTON, NORTH CAROLINA

TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
 Fax 910-763-5631
 © 2017 TRIPP ENGINEERING, P.C.

PROGRESS DRAWING
 DATE 12-22-20
 DESIGN PGT
 DRAWN BJH
C1
 SHEET 1 OF 6
 19019



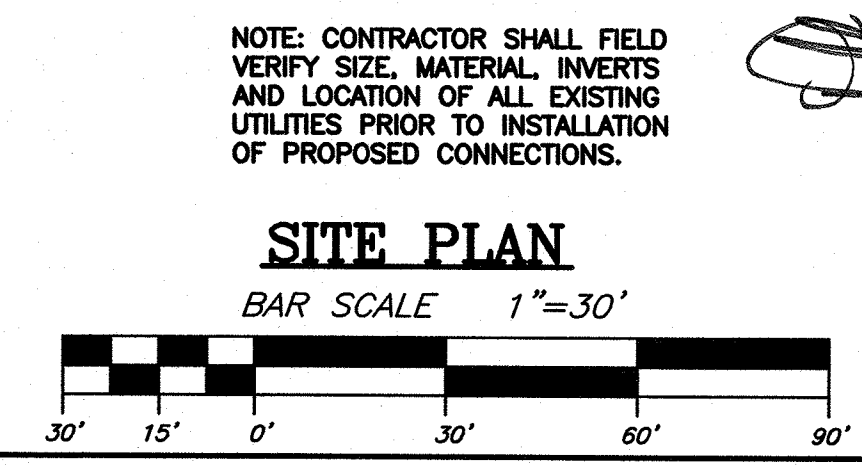
LEGEND

| | |
|--|-----------------------------|
| | EXISTING IRON |
| | SET IRON |
| | CONC. MONUMENT |
| | EXIST. FIRE HYDRANT |
| | EXIST. POWER POLE |
| | R/W LINE |
| | SUBJECT TRACT BOUNDARY LINE |
| | PROJECT AREA |
| | GAS |
| | EXIST. GAS LINE |
| | EXIST. SANITARY SEWER LINE |
| | EXIST. STORM DRAINAGE LINE |
| | EXIST. WATER LINE |
| | EXIST. FENCE |
| | DEMO |
| | EXISTING PAVER |

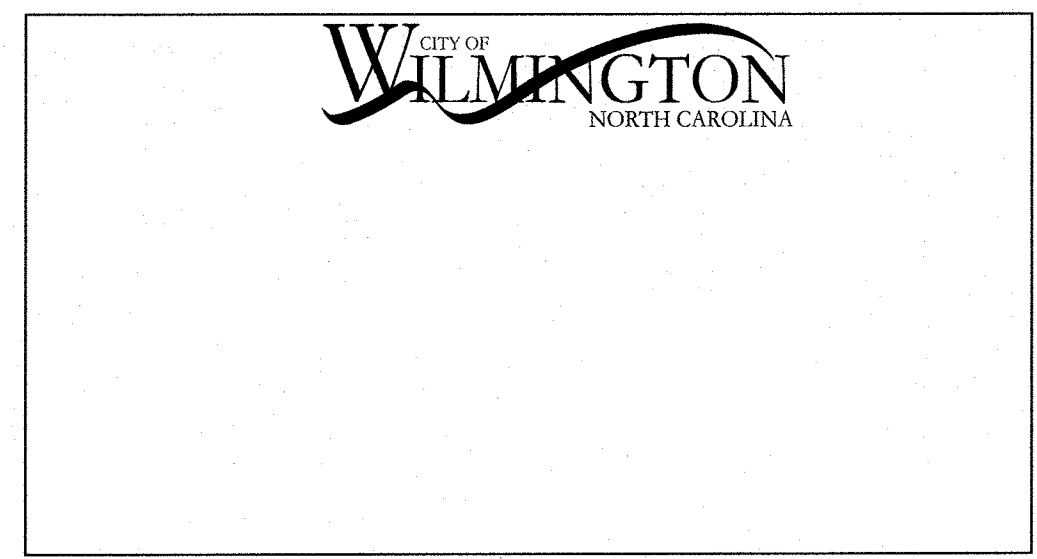
INVENTORY OF TREES TO BE PRESERVED

| TREE TYPE | TREE SIZE | QUANTITY | TOTAL DBH |
|-----------|-----------|----------|-----------|
| OAK | 26" | 1 | 26 |
| JAP. MAP | 3" | 7 | 126 |
| OAK | 18" | 1 | 18 |
| OAK | 19" | 1 | 19 |
| OAK | 15" | 3 | 45 |
| OAK | 17" | 1 | 17 |
| OAK | 10" | 3 | 30 |
| OAK | 7" | 1 | 7 |
| OAK | 8" | 2 | 16 |
| PINE | 26" | 3 | 26 |
| PINE | 24" | 3 | 72 |
| PINE | 22" | 3 | 66 |
| PINE | 19" | 1 | 19 |
| PINE | 18" | 1 | 18 |
| PINE | 17" | 1 | 17 |
| HOLLY | 12" | 1 | 12 |
| HOLLY | 8" | 1 | 8 |
| HOLLY | 7" | 1 | 7 |
| HOLLY | 6" | 1 | 6 |
| DOGWOOD | 8" | 1 | 8 |
| DOGWOOD | 5" | 1 | 5 |

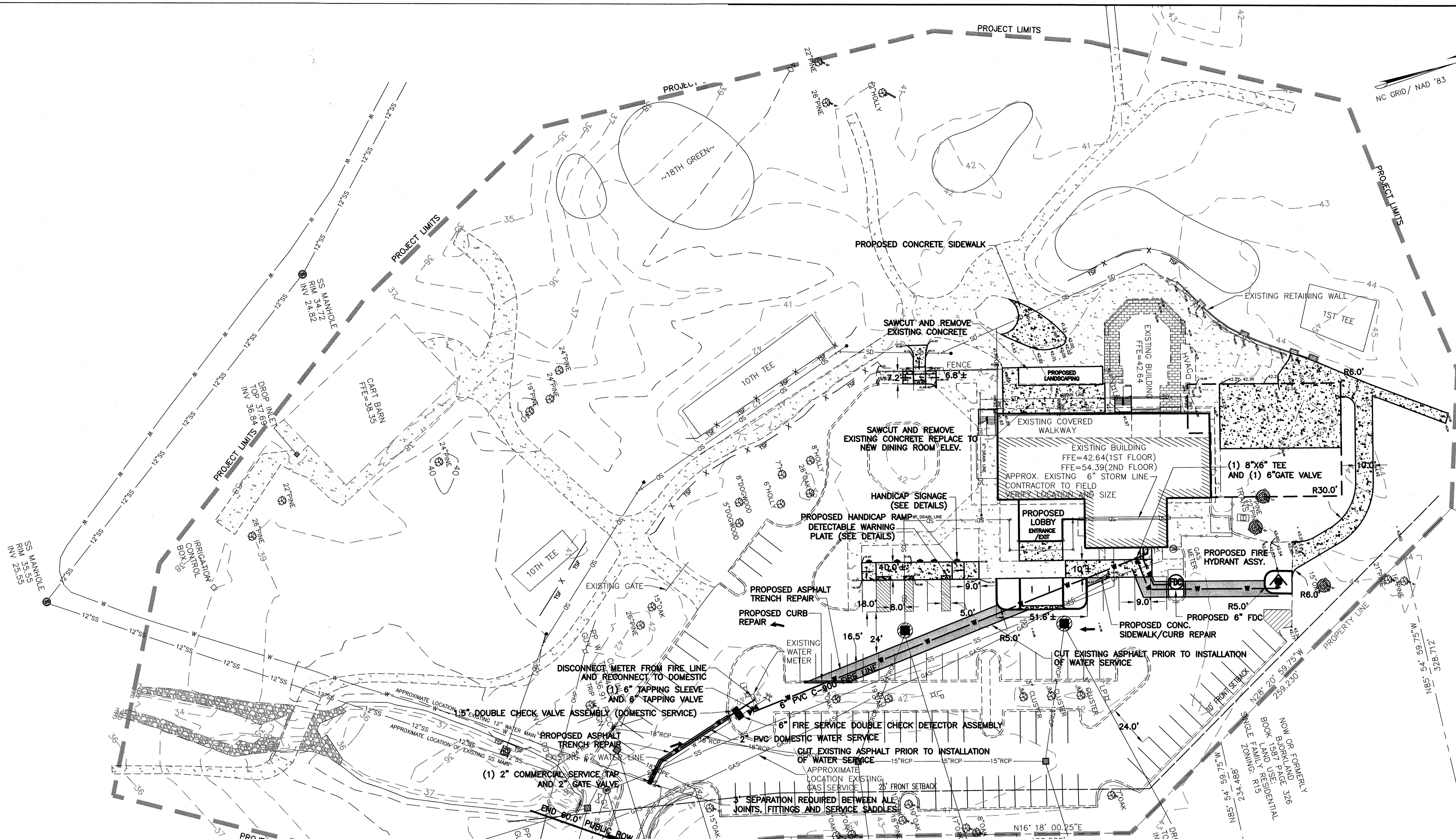
NOTES: DOES NOT INCLUDE JAP. MAP.
 TOTAL DBH = 568
 568/6 = 95 TREES (CREDIT)



- SITE INVENTORY NOTES:**
- PREPARER OF THE PLAN: TRIPP ENGINEERING, P.C.
 - APPLICANT NAME: PINE VALLEY COUNTRY CLUB, INC
 - SITE ADDRESS OF THE DEVELOPMENT: 500 PINE VALLEY DRIVE, WILMINGTON, NC
 - PROPERTY OWNER: PINE VALLEY COUNTRY CLUB, INC
 - DEVELOPER: PINE VALLEY COUNTRY CLUB, INC
 - PROPERTY BOUNDARY: SEE PLAN
 TAX PARCEL INFORMATION:
 DEED BOOK 4468 PAGE 158
 - PROPERTY ZONING: R-15 RESIDENTIAL
 PID: R06606-001-018-000
 5,698,083.6 SF / AC: 130.81
 - ADJACENT PROPERTY OWNER INFORMATION: SEE PLAN
 - VICINITY MAP: SEE PLAN
 - TOPOGRAPHY: SEE PLAN
 - 100-YEAR FLOOD BOUNDARY: N/A
 - EXISTING DITCHES, CREEKS AND STREAMS: SEE PLAN
 - SOIL: RM-RIMINI SAND (1 TO 6% SLOPES), LO-LEON-URBAN LAND COMPLEX
 - CAMA AEC: YES
 - CAMA LAND CLASSIFICATION: WATERSHED RESOURCE PROTECTION AREA
 - CONSERVATION RESOURCES: HIGH QUALITY WATER ZONE
 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: SEE PLAN
 - PROTECTED SPECIES OR HABITAT: N/A
 - EXISTING OR PROPOSED THOROUGHFARES, BIKE ROUTES, PEDESTRIAN SIDEWALKS OR TRAILS AND TRANSIT FACILITIES: SEE SITE PLAN
 - EXISTING TREES AS SHOWN ON
 - LIMITS OF DISTURBANCE: 17,724 SF - 0.41 AC



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



| REVISIONS | | | |
|----------------|---|-----|-------|
| No./Date | Description | By | Check |
| R1 12.04.21 | ADDED NEW DOMESTIC LINE, ADDED MISSING TREE INFO, PROV. FOUNDAT. CALCS. | BJH | |
| R2 12.12.21 | RELOCATED DOMESTIC LINE, ADDED POTABLE SERVICE BACK FLOW. | BJH | |
| R3 12.15.21 | CFPUA COMMENTS | EJW | |

LOCATION MAP
1"=2000'

SITE DATA:

| | |
|--|--|
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| PROJECT ADDRESS | 500 PINE VALLEY DR |
| PIN NUMBERS | R06606-001-018-000 |
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| ZONING DISTRICT | R-15-RESIDENTIAL DISTRICT |
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| PROJECT AREA | 269,222.8 SF (6.18 AC) |
| DISTURBED AREA | 18,436 SF (0.43 AC.) |
| BUILDING USE | COMMERCIAL |
| BUILDING TYPE | CCL-CCL |
| CONSTRUCTION TYPE | IV B |
| ADDITION CLASSIFICATION | ALTERATION LEVEL III |
| REQUIRED SETBACKS | FRONT: 25' SIDE: 10' REAR: 20' |
| PROPOSED SETBACKS | FRONT: 166' SIDE: 136' REAR: 405'± |
| EXISTING BUILDING AREA (FIRST FLOOR GROSS) | 8,506 SF |
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| BUILDING % INCREASE | 8.4% |
| NUMBER OF PROPOSED BUILDING ADDITIONS | 1 |
| BUILDING HEIGHT | 19'-9" |
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| HANDICAP SPACES REQUIRED (1 PER 25 PARKING SPACES) | 5 |
| SPACES PROVIDED | 5 |
| GOLF CART PARKING | 39 SPACES |
| REQUIRED LANDSCAPING | |
| FOUNDATION PLANTING | BUILDING FACE * HEIGHT * 12% (48.33' * 19.75') * .12 = 115 SF |
| PROVIDED | 378 SF & 294 SF |

NOTES:
ZONING
1) TOPOGRAPHY COMPLETED BY MICHAEL UNDERWOOD and ASSOCIATES, PA
2) PERMITTING OF BUSINESS IDENTIFICATION SIGNAGE IS A SEPARATE PROCESS. CITY OF WILMINGTON WILL NOT ALLOW OBSTRUCTIONS WITHIN THE RIGHT-OF-WAY.
3) CONTRACTOR SHALL FIELD VERIFY SIZE, MATERIAL, INVERTS AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PROPOSED CONNECTIONS.
4) EXISTING EASEMENTS AS SHOWN.
5) CONTRACTOR SHALL MAINTAIN ALL WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
6) UNDERGROUND FIRE LINE(S) MUST BE PERMITTED AND INSPECTED BY THE WILMINGTON FIRE DEPARTMENT FROM THE PUBLIC RIGHT-OF-WAY TO THE BUILDING. CONTACT THE WILMINGTON FIRE DEPARTMENT DIVISION OF FIRE AND LIFE SAFETY AT 910-341-0696.
7) SITE WILL NOT BE FENCED.
8) BUILDING CONSTRUCTION TYPE V-A.

SOLID WASTE
1) SITE TO USE ROLL-OUT TYPE CARTS.

TRAFFIC
1) ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
2) TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
3) CONTACT TRAFFIC ENGINEERING AT 910-341-7888 TO ENSURE THAT ALL TRAFFIC SIGNALS FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN.
4) CALL TRAFFIC ENGINEERING AT 910-341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.
5) CONTRACTOR SHALL MAINTAIN AN ALL WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
6) ADDITIONAL FIRE PROTECTION AND ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES DURING THE PROJECT.

TRAFFIC (CONT.)
5) ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.
6) CONTACT 910-341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
7) ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
8) NO ROWS TO BE CLOSED.
9) NO STREETS PROPOSED.
10) OFF SITE PARKING PROPOSED AS SHOWN.
11) DRIVEWAYS TO MEET CITY STANDARDS.
12) ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
13) STOP SIGNS AND STREET SIGNS TO REMAIN IN PLACE DURING CONSTRUCTION.
14) TACTILE WARNING MATS WILL BE INSTALLED ON ALL WHEELCHAIR RAMPS.
15) POSTED SPEED LIMIT: 35 MPH
16) ANY TRAFFIC SIGNAL INFRASTRUCTURE ADJUSTMENTS, INCLUDING OVERHEAD OR UNDERGROUND SIGNAL SYSTEM FIBER COMMUNICATION LINES, ARE THE RESPONSIBILITY OF THE APPLICANT/DEVELOPER.
17) THE CITY SHALL BE NOTIFIED IMMEDIATELY OF ANY TRAFFIC SIGNAL FACILITIES DAMAGED DURING CONSTRUCTION.
18) A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. CONTACT 910-341-5899 FOR MORE DETAILS.
19) CONTRACTOR SHALL CALL 811 PRIOR TO CALLING TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.

LANDSCAPING
1) A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND THE PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAT.
2) NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (10) FEET ABOVE THE GROUND WITHIN THE TRIANGULAR SITE DISTANCE.

LANDSCAPING (CONT.)
3) PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
4) ANY TREES AND/OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARRICADED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING, GRADING OR STAGING OF MATERIALS WILL OCCUR IN THOSE AREAS.
5) NO EQUIPMENT IS ALLOWED ON SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING IS INSTALLED AND APPROVED. PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT AND CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTIONS ON TREE PROTECTION METHODS.

CFPUA
1) WATER AND SEWER SERVICE SHALL MEET CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA) DETAILS AND SPECIFICATIONS.
2) PROJECT SHALL COMPLY WITH THE CFPUA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METER(S) CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL.
3) IF THE CONTRACTOR DESIRES CFPUA WATER FOR CONSTRUCTION, HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE ON THE DEVELOPERS SIDE OF THE WATER METER BOX.
4) ANY IRRIGATION SYSTEM SUPPLIED BY CFPUA WATER SHALL COMPLY WITH THE CFPUA'S CONNECTION CONTROL REGULATION. CALL 910-332-6419 FOR INFORMATION.
5) ANY BACKFLOW PREVENTION DEVICES REQUIRED BY CFPUA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES FOR USCFCCHR OR ASSE.
6) PUBLIC WATER AND SEWER EXISTING.
7) CONTACT THE NORTH CAROLINA ONE CALL CENTER AT 1-800-832-4949 PRIOR TO DOING AND DIGGING, CLEARING, OR GRADING.

CFPUA (CONT.)
8) ANY IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A RAIN AND FREEZER SENSOR.
9) CONTRACTOR TO FIELD VERIFY EXISTING WATER AND SEWER SERVICE LOCATIONS, SIZES AND MATERIALS PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED OF ANY CONFLICTS.

DRAINAGE
1) SITE TO DRAIN TO EXISTING ON-SITE POND.
2) FIELD VERIFY EXISTING UTILITIES PRIOR TO INSTALLING STORM DRAIN.

FIRE
1) FIRE HYDRANT MUST BE WITHIN 150' OF THE FDC (MEASURED AS THE TRUCK DRIVES FOR PRACTICAL USE).
2) FDC MUST BE WITHIN 40' OF FIRE APPARATUS PLACEMENT.
3) LANDSCAPING OR PARKING CANNOT BLOCK OR IMPEDE THE FDC OR FIRE HYDRANTS. A 3-FOOT CLEAR SPAN SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE HYDRANT AND FDC.
4) IN ADDITION TO THE STANDARD COMMENTS, ADDITIONAL FIRE PROTECTION AND ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT.
5) ALL ISOLATION VALVES WITHIN THE "HOT BOX" SHALL BE ELECTRICALLY SUPERVISED. PLEASE WORK CLOSELY WITH YOUR FIRE SPRINKLER AND ALARM INSTALLER IN REGARDS TO RUNNING WIRE FOR TAMPER SWITCH.
6) PRIVATE UNDERGROUND FIRE LINES REQUIRE A SEPARATE UNDERGROUND FIRE LINE PERMIT FROM WILMINGTON FIRE AND LIFE SAFETY DIVISION (910-343-0696)

SITE
1) SITE LIGHTING TO BE PROVIDED BY DUKE ENERGY.

LEGEND

- EXIST. FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- R/W LINE
- BOUNDARY LINE
- PROJECT AREA
- EXISTING SANITARY SEWER
- PROPOSED WATER
- PROPOSED CONCRETE AREA
- TREE PROTECTION (SEE DETAIL)
- DROP INLET PROTECTION (SEE DETAIL)
- EXISTING PAVER

SITE PLAN
BAR SCALE 1"=30'

NOTE: CONTRACTOR SHALL FIELD VERIFY SIZE, MATERIAL, INVERTS AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PROPOSED CONNECTIONS.

TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
 Fax 910-763-5631
 © TRIPP ENGINEERING, P.C.

SITE AND UTILITY PLAN
 PINE VALLEY COUNTRY CLUB
 WILMINGTON, NORTH CAROLINA

12-22-20
 DATE 12-22-20
 DESIGN PGT
 DRAWN BJH
 C2
 SHEET 2 OF 6
 19019

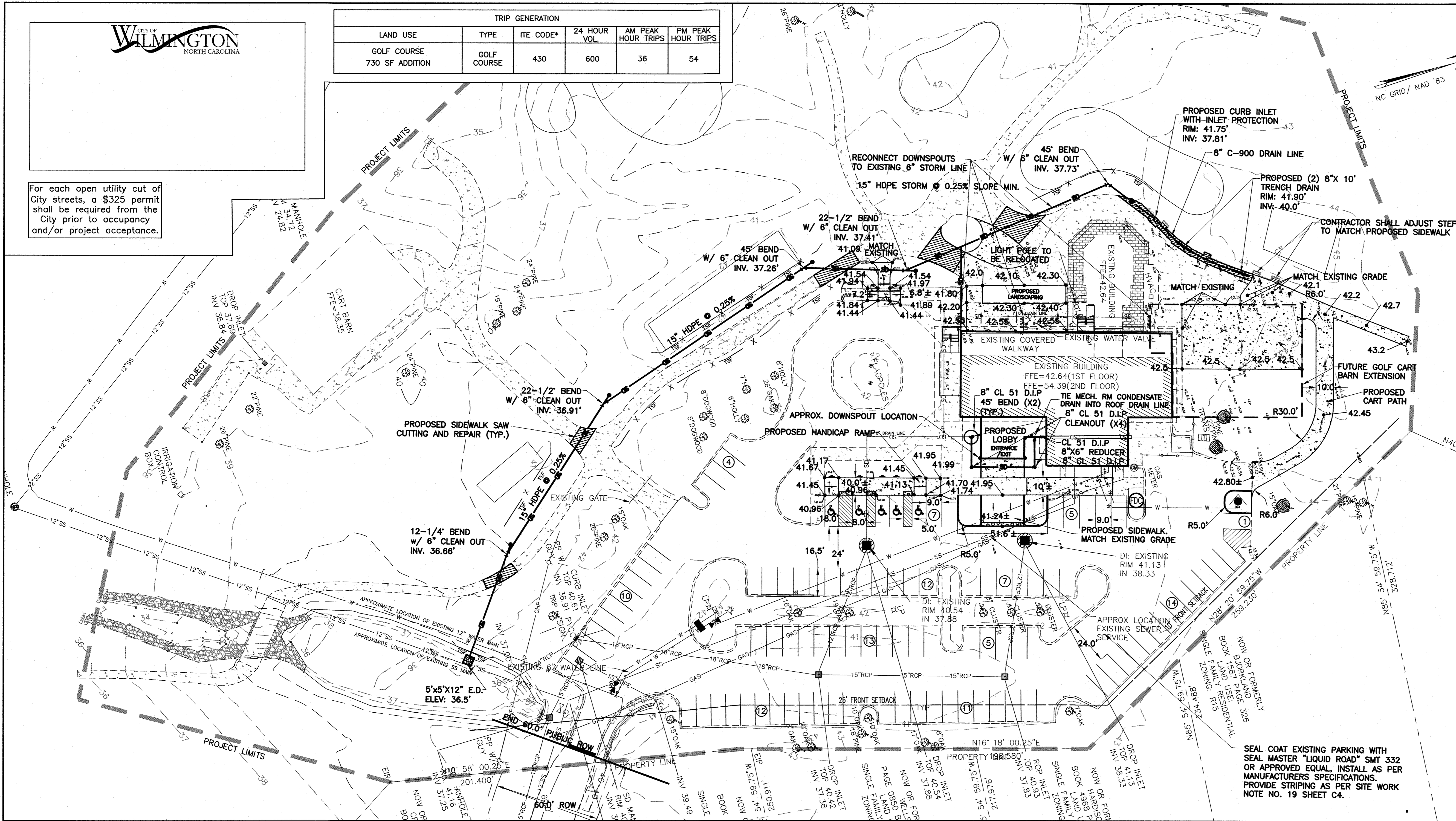
| TRIP GENERATION | | | | | |
|-----------------|-------------|-----------|--------------|--------------------|--------------------|
| LAND USE | TYPE | ITE CODE* | 24 HOUR VOL. | AM PEAK HOUR TRIPS | PM PEAK HOUR TRIPS |
| GOLF COURSE | GOLF COURSE | 430 | 600 | 36 | 54 |
| 730 SF ADDITION | | | | | |

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

REVISIONS

| No. | Date | Description | By |
|-----|----------|---|-----|
| R1 | 02.24.21 | ADDED NEW DOMESTIC LINE | BJH |
| R2 | 02.12.21 | ADDED MISSING TREE INFO, PROV. FOUNDAT. CALCS | BJH |
| R3 | 02.15.21 | RELOCATED DOMESTIC LINE, ADDED PORTABLE SERVICE BACK FLOW, ADDED SPOT ELS NEAR PROSHOP AND CART BARN. | EJW |
| | | CFPUA COMMENTS | |

LOCATION MAP
1"=2000'



SITE DATA:

| | |
|--|--|
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| SPACES PROVIDED | 5 |
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TRAFFIC (CONT.)

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- CONTACT 910-341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
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- POSTED SPEED LIMIT: 35 MPH
- ANY TRAFFIC SIGNAL INFRASTRUCTURE ADJUSTMENTS, INCLUDING OVERHEAD OR UNDERGROUND SIGNAL SYSTEM FIBER COMMUNICATION LINES, ARE THE RESPONSIBILITY OF THE APPLICANT/DEVELOPER.
- THE CITY SHALL BE NOTIFIED IMMEDIATELY OF ANY TRAFFIC SIGNAL FACILITIES DAMAGED DURING CONSTRUCTION.
- A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. CONTACT 910-341-5899 FOR MORE DETAILS.
- CONTRACTOR SHALL CALL 811 PRIOR TO CALLING TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.

LANDSCAPING

- A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND THE PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAT.
- NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (10) FEET ABOVE THE GROUND WITHIN THE TRIANGULAR SITE DISTANCE.

LANDSCAPING (CONT.)

- PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
- ANY TREES AND/OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARRICADED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING, GRADING OR STAGING OF MATERIALS WILL OCCUR IN THOSE AREAS.
- NO EQUIPMENT IS ALLOWED ON SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING IS INSTALLED AND APPROVED. PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT AND CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTIONS ON TREE PROTECTION METHODS.

CFPUA

- WATER AND SEWER SERVICE SHALL MEET CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA) DETAILS AND SPECIFICATIONS.
- PROJECT SHALL COMPLY WITH THE CFPUA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METER(S) CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL.
- IF THE CONTRACTOR DESIRES CFPUA WATER FOR CONSTRUCTION, HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE ON THE DEVELOPERS SIDE OF THE WATER METER BOX.
- ANY IRRIGATION SYSTEM SUPPLIED BY CFPUA WATER SHALL COMPLY WITH THE CFPUA'S CONNECTION CONTROL REGULATION. CALL 910-332-6419 FOR INFORMATION.
- ANY BACKFLOW PREVENTION DEVICES REQUIRED BY CFPUA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES FOR USCFCCHH OR ASSE.
- PUBLIC WATER AND SEWER EXISTING.
- CONTACT THE NORTH CAROLINA ONE CALL CENTER AT 1-800-832-4949 PRIOR TO DOING AND DIGGING, CLEARING, OR GRADING.

CFPUA (CONT.)

- ANY IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A RAIN AND FREEZER SENSOR.
- CONTRACTOR TO FIELD VERIFY EXISTING WATER AND SEWER SERVICE LOCATIONS, SIZES AND MATERIALS PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED OF ANY CONFLICTS.

DRAINAGE

- SITE TO DRAIN TO EXISTING ON-SITE POND.
- FIELD VERIFY EXISTING UTILITIES PRIOR TO INSTALLING STORM DRAIN.

FIRE

- FIRE HYDRANT MUST BE WITHIN 150' OF THE FDC (MEASURED AS THE TRUCK DRIVES FOR PRACTICAL USE).
- FDC MUST BE WITHIN 40' OF FIRE APPARATUS PLACEMENT.
- LANDSCAPING OR PARKING CANNOT BLOCK OR IMPEDE THE FDC OR FIRE HYDRANTS. A 3-FOOT CLEAR SPAN SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE HYDRANT AND FDC.
- IN ADDITION TO THE STANDARD COMMENTS, ADDITIONAL FIRE PROTECTION AND ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT.
- ALL ISOLATION VALVES WITHIN THE "HOT BOX" SHALL BE ELECTRICALLY SUPERVISED. PLEASE WORK CLOSELY WITH YOUR FIRE SPRINKLER AND ALARM INSTALLER IN REGARDS TO RUNNING WIRE FOR TAMPER SWITCH.
- PRIVATE UNDERGROUND FIRE LINES REQUIRE A SEPARATE UNDERGROUND FIRE LINE PERMIT FROM WILMINGTON FIRE AND LIFE SAFETY DIVISION (910-343-0696)

SITE

- SITE LIGHTING TO BE PROVIDED BY DUKE ENERGY.

NOTE: CONTRACTOR SHALL FIELD VERIFY SIZE, MATERIAL, INVERTS AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PROPOSED CONNECTIONS.

LEGEND

- CURB INLET INLET PROTECTION (SEE DETAIL)
- DROP INLET PROTECTION (SEE DETAIL)
- RUNOFF DIRECTION
- PROPOSED SPOT ELEVATION (41.88)
- R/W LINE
- BOUNDARY LINE
- PROPOSED STORMWATER
- PROJECT AREA
- PROPOSED CONCRETE AREA
- TREE PROTECTION (SEE DETAIL)
- EXISTING PAVER

SITE PLAN

BAR SCALE 1"=30'

TRIPP ENGINEERING, P.C.
419 Chestnut Street
Wilmington, North Carolina 28401
Phone 910-763-5100
Fax 910-763-5631
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PROGRESS DRAWING
DO NOT USE FOR CONSTRUCTION

DATE 12-22-20
DESIGN PGT
DRAWN BJH

C3

SHEET 3 OF 6
19019

GRADING, DRAINAGE, EROSION CONTROL AND STORMWATER MANAGEMENT PLAN
PINE VALLEY COUNTRY CLUB
WILMINGTON, NORTH CAROLINA

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCGO1 CONSTRUCTION GENERAL PERMIT

Table with 3 columns: Stabilization Method, Duration, and Remarks. Includes methods like Temporary grass seed, Permanent grass seed, and Polyacrylamides.

*For Falls Lake watershed, in disturbed areas where grading activities are incomplete, provide temporary groundcover no later than seven (7) days for slopes steeper than 3:1; ten (10) days for slopes equal to or flatter than 3:1; fourteen (14) days for areas with no slope.

GROUND STABILIZATION SPECIFICATION

Table with 2 columns: Stabilization Method and Remarks. Includes Temporary grass seed and Permanent grass seed.

- 1. Select flocculants that are appropriate for the soils being exposed during construction, selecting from the NCDWR List of Approved PAMs/Flocculants.

NORTH CAROLINA Environmental Quality

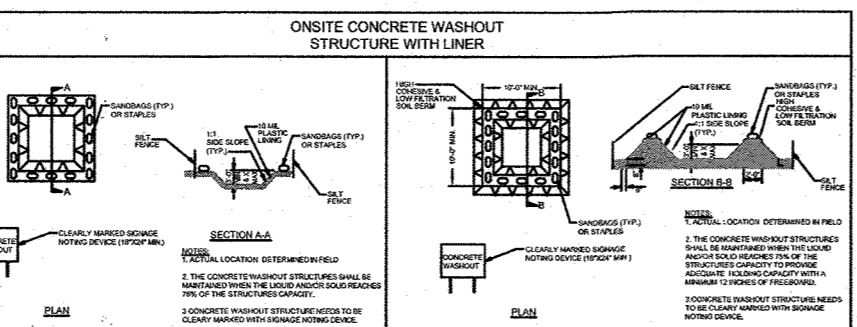
- EQUIPMENT AND VEHICLE MAINTENANCE
1. Maintain vehicles and equipment to prevent discharge of fluids.

- LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE
1. Never bury or burn waste. Place litter and debris in approved waste containers.

- PAINT AND OTHER LIQUID WASTE
1. Do not dump paint and other liquid waste into storm drains, streams or wetlands.

- PORTABLE TOILETS
1. Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands.

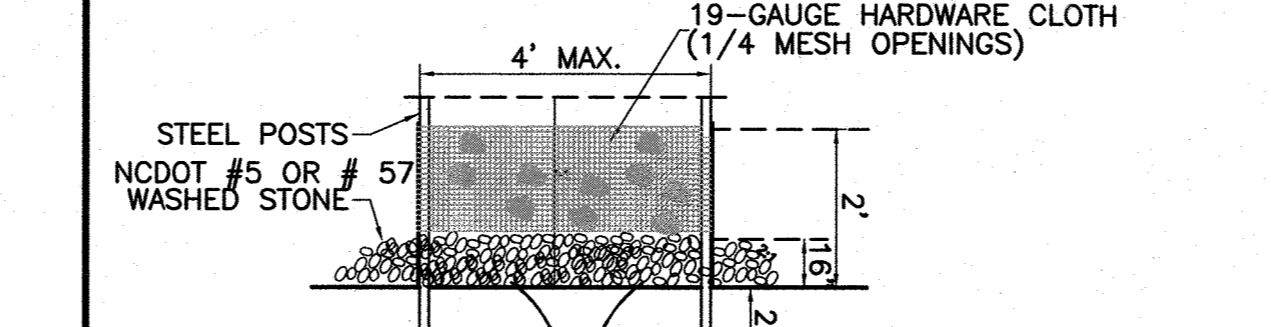
- EARTHEN STOCKPILE MANAGEMENT
1. Show stockpile locations on plans. Locate earthen-material stockpiles at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters.



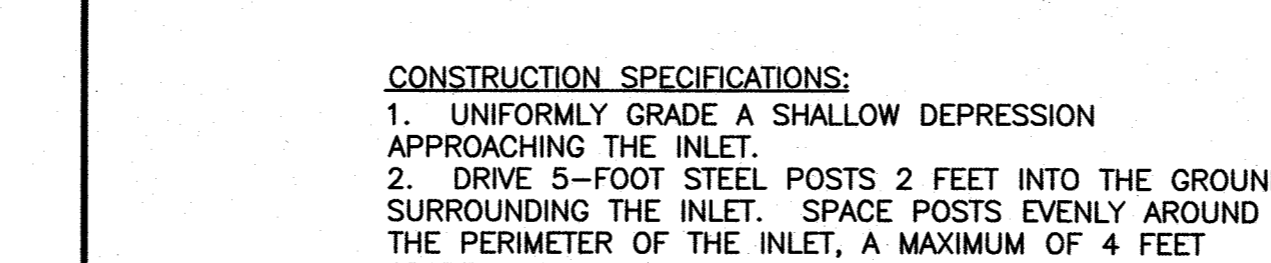
- CONCRETE WASHOUTS
1. Do not discharge concrete or cement slurry from the site.

- HERBICIDES, PESTICIDES AND RODENTICIDES
1. Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.

- HAZARDOUS AND TOXIC WASTE
1. Create designated hazardous waste collection areas on-site.



- CONSTRUCTION SPECIFICATIONS
1. UNIFORMLY GRADE A SHALLOW DEPRESSION APPROACHING THE INLET.



- TEMPORARY SILT FENCE
1. FENCE FABRIC SHALL BE A MIN. OF 32" IN WIDTH AND SHALL HAVE A MIN. OF SIX LINE WIRES WITH 12" STAY SPACING.

TEMPORARY SEEDING SPECIFICATION table with columns for Seeding Mixture, Rate (lb./acre), and Application Timing.

PERMANENT GRASSING DETAIL table with columns for Seeding Mixture, Rate (lb./acre), and Application Timing.

Table with 3 columns: Site Area Description, Stabilization Timeframe, and Stabilization Exceptions.

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NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

EFFECTIVE: 03/01/19

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION
1. EASC Plan Documentation
Inspections are required during normal business hours in accordance with the table below.

Table with 3 columns: Inspect, Frequency, and Inspection records must include.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING
1. EASC Plan Documentation
The approved EASC plan as well as any approved deviation shall be kept on the site.

Table with 2 columns: Item to Document and Documentation Requirements.

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING
1. EASC Plan Documentation
Permittees shall report the following occurrences:

Table with 2 columns: Occurrence and Reporting Timeframes (After Discovery) and Other Requirements.

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

EFFECTIVE: 03/01/19

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

NORTH CAROLINA Environmental Quality

CITY OF WILMINGTON NORTH CAROLINA

TEMPORARY GRAVELLED CONSTRUCTION ENTRANCE

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TEMPORARY GRAVELLED CONSTRUCTION ENTRANCE

SITE WORK NOTES

- 1. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS BOTH ON AND IMMEDIATELY ADJACENT TO THE SITE.

BY THE OWNER, FURTHER TESTING REQUIRED DUE TO A FAILED TEST SHALL BE PAID FOR BY THE CONTRACTOR.

CONSTRUCTION SEQUENCE

- 1. 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).

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 MINIMUM 24 HOURS OF RAIN.

BUILDING WASTE HANDLING

- 1. NO PAINT OR LIQUID WASTES IN STREAMS OR STORM DRAINS.

- 2. SAME RAIN GAUGES AND INSPECTIONS AFTER 0.5" RAIN EVENT.

- 3. INSPECTIONS ARE ONLY REQUIRED DURING "NORMAL BUSINESS HOURS".

- 4. INSPECTION REPORTS MUST BE AVAILABLE ON-SITE DURING BUSINESS HOURS UNLESS A SITE-SPECIFIC EXEMPTION IS APPROVED.

- 5. RECORDS MUST BE KEPT FOR 3 YEARS AND AVAILABLE UPON REQUEST.

- 6. ELECTRONICALLY AVAILABLE RECORDS MAY BE SUBSTITUTED UNDER CERTAIN CONDITIONS.

SEDIMENT BASINS

- 1. OUTLET STRUCTURES MUST WITHDRAW FROM BASIN SURFACE UNLESS DRAINAGE AREA IS LESS THAN 1 ACRE.

REVISIONS

Table with 4 columns: No., Date, Description, By.

TRIPP ENGINEERING, P.C.

419 Chestnut Street

Wilmington, North Carolina 28401

Phone 910-763-5100

Fax 910-763-6831

www.trippeng.com

PROGRESS DRAWING

DO NOT USE FOR CONSTRUCTION

DATE 12-22-20

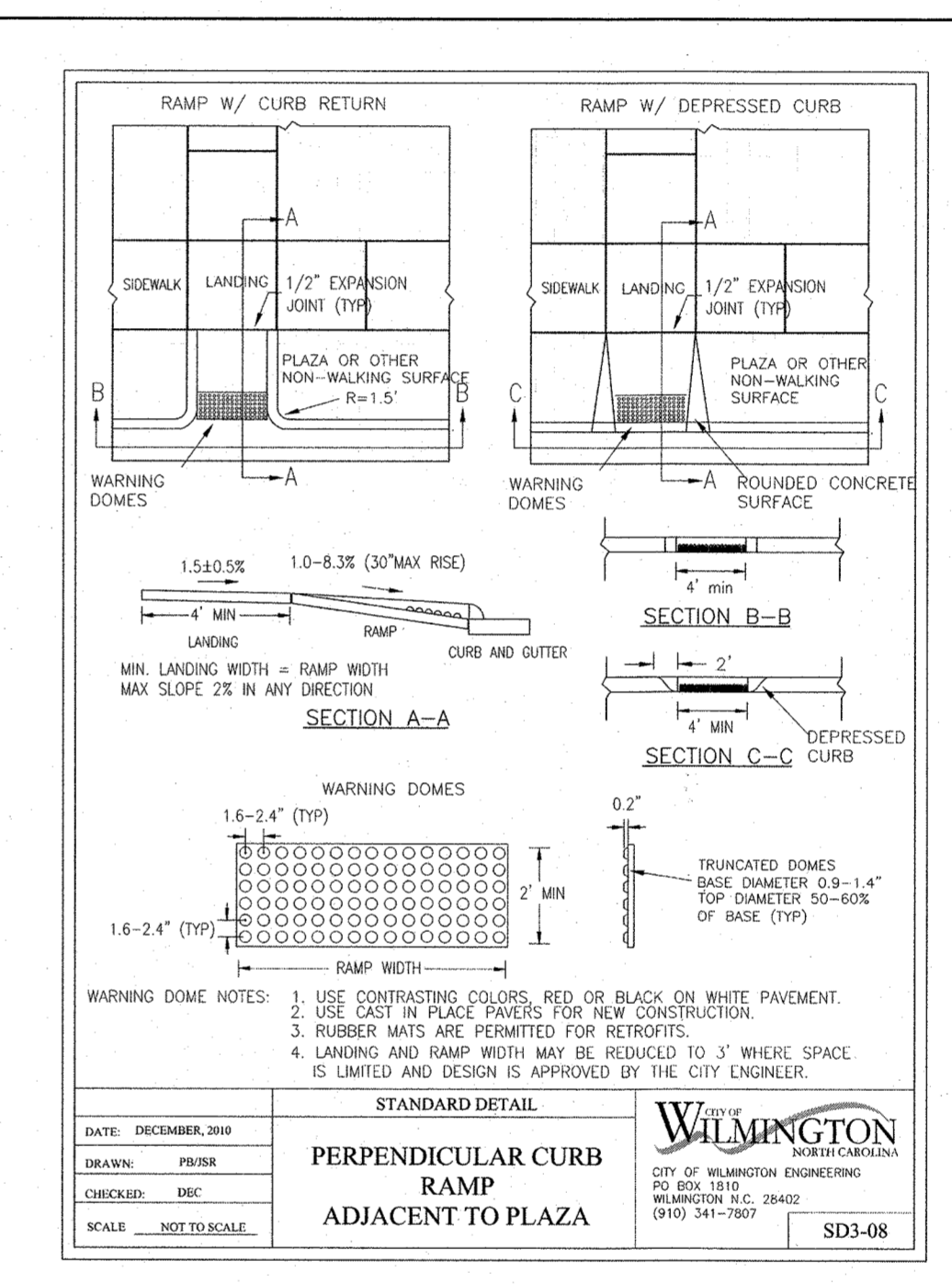
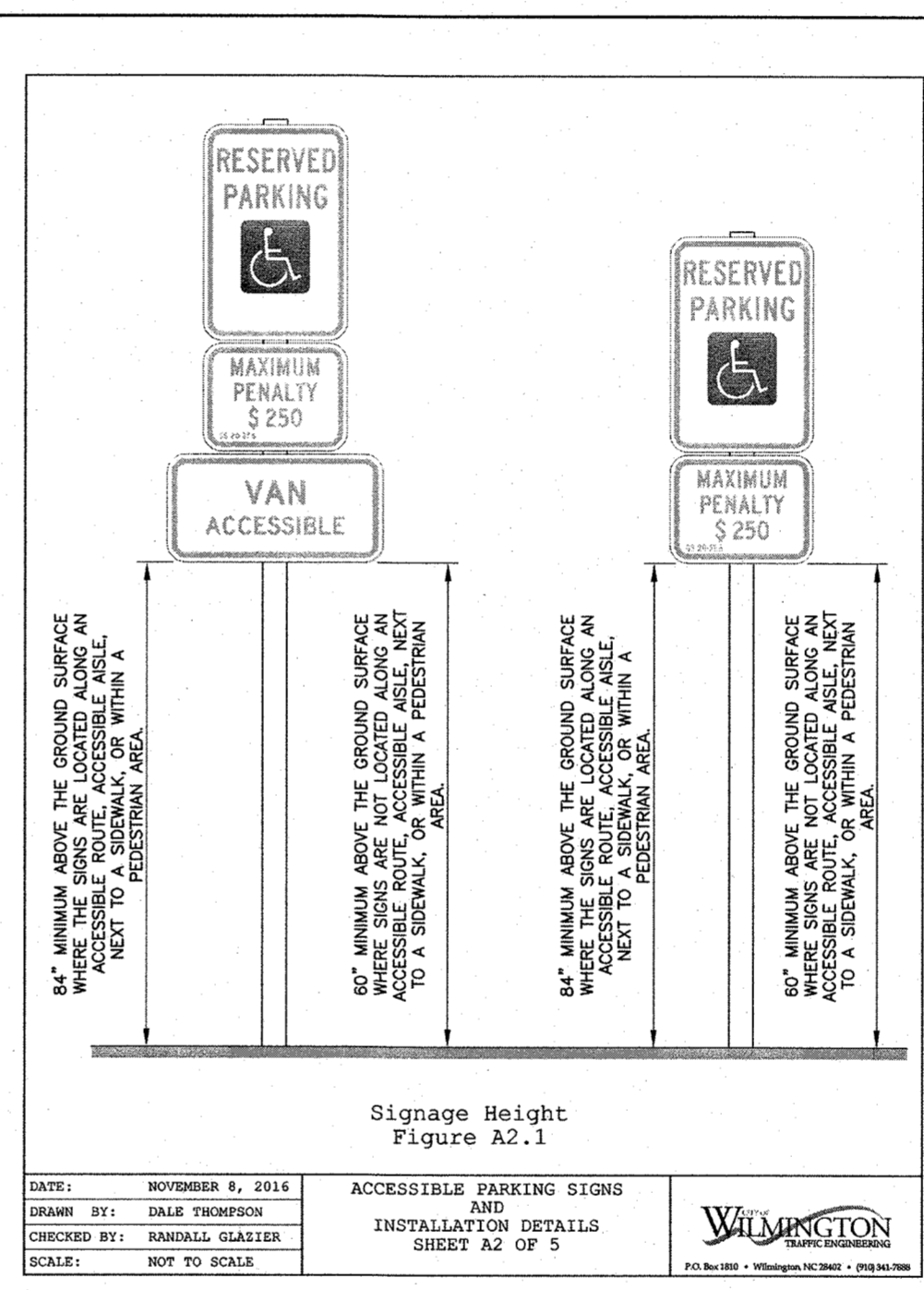
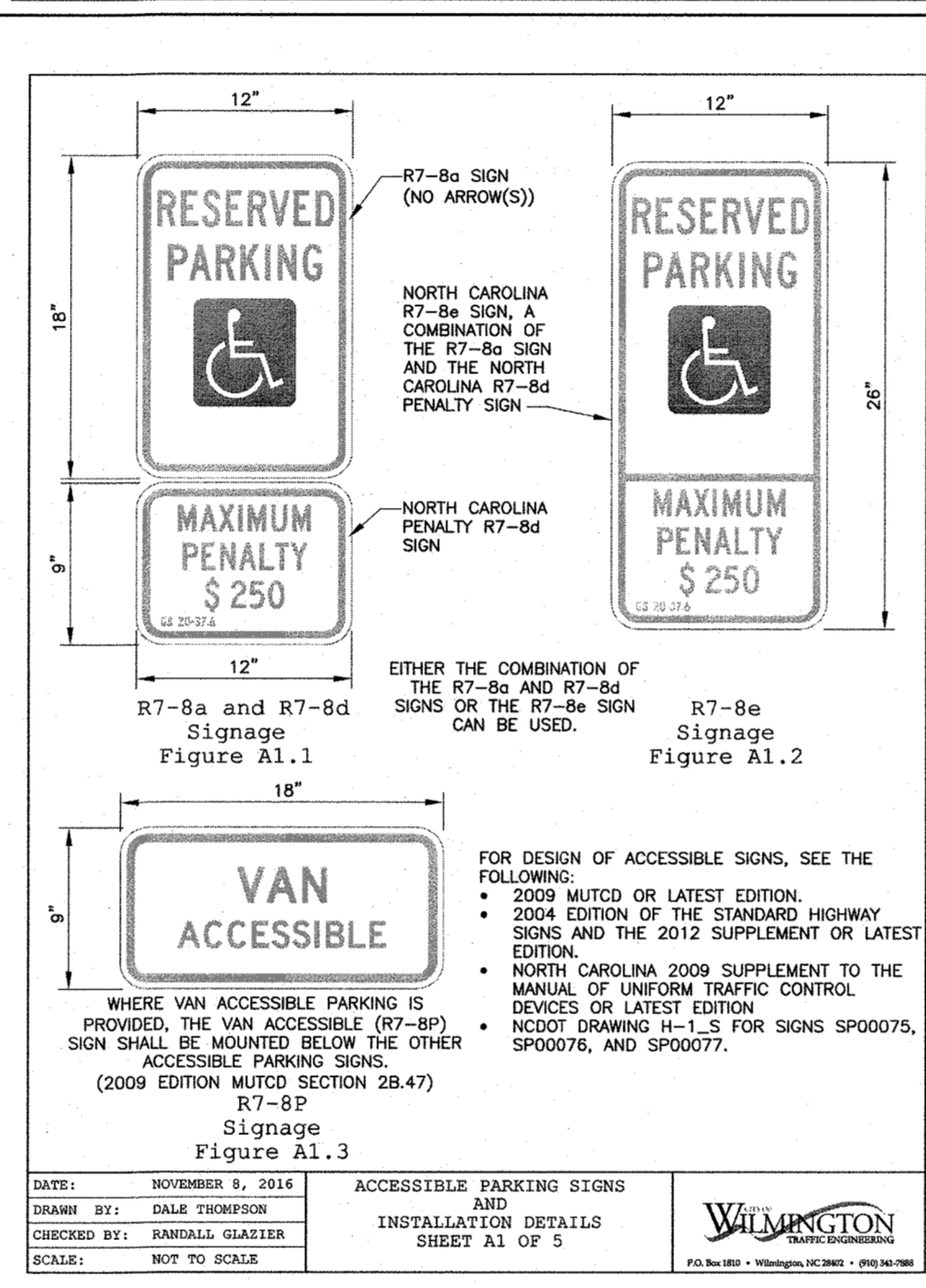
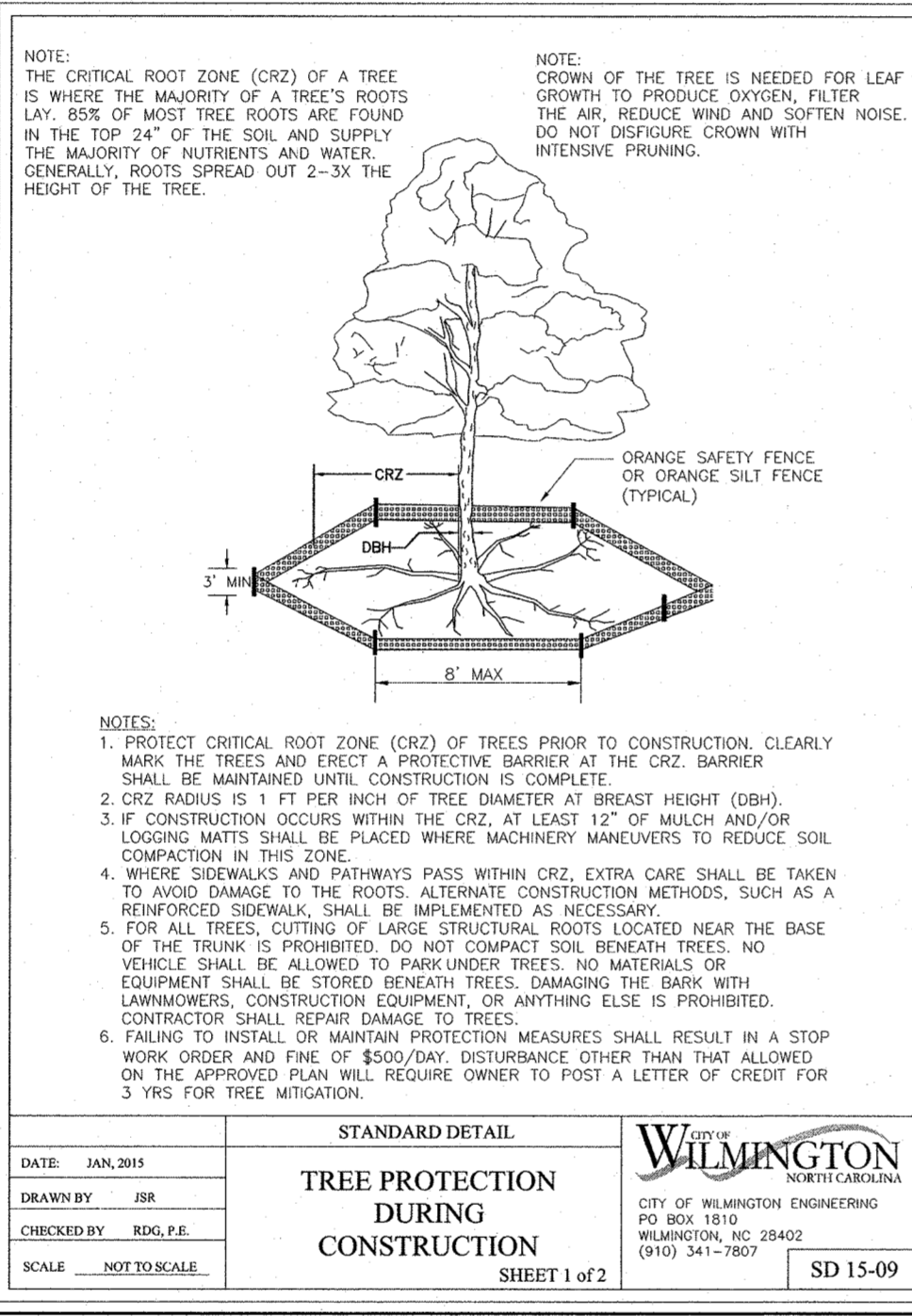
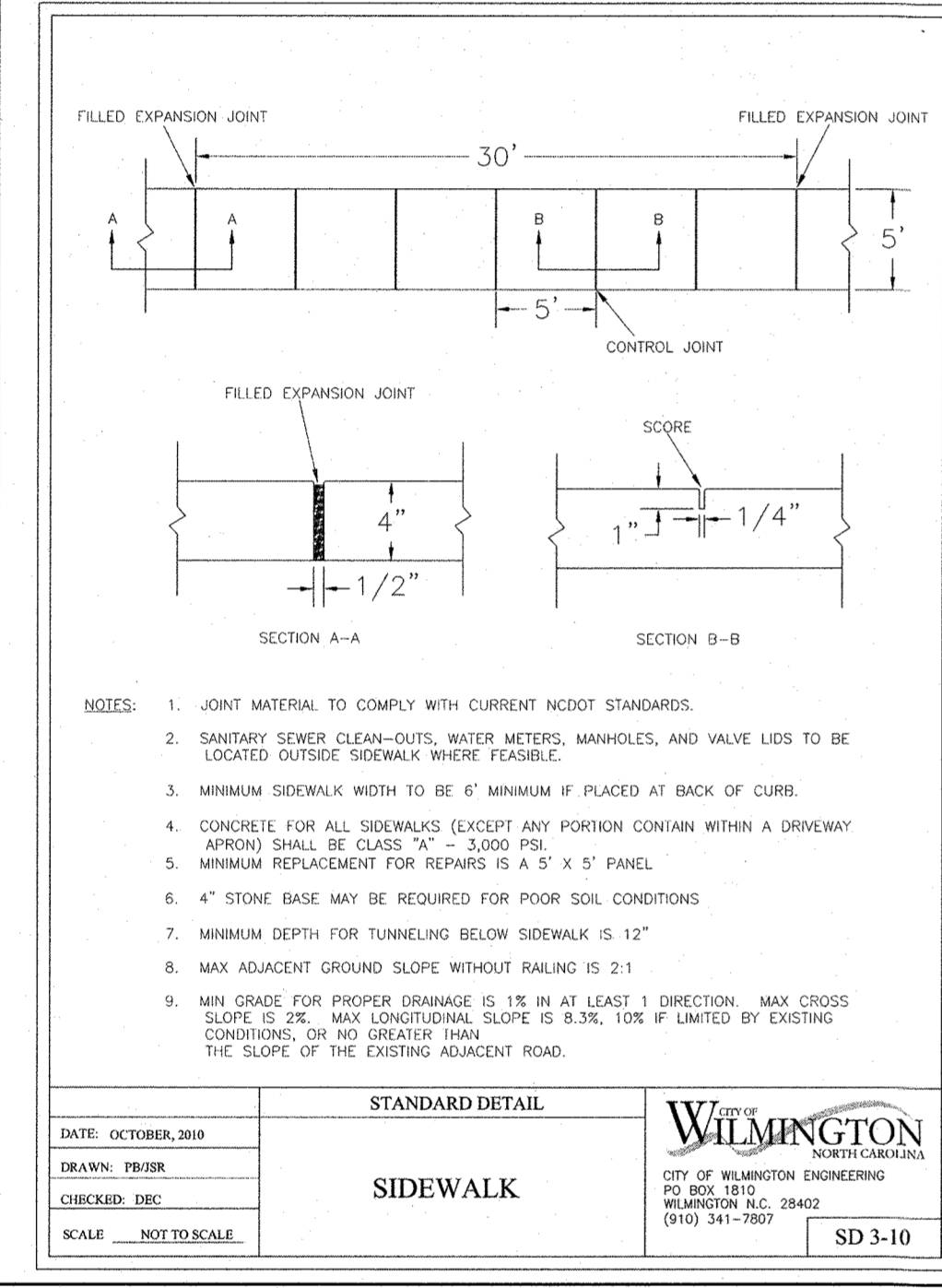
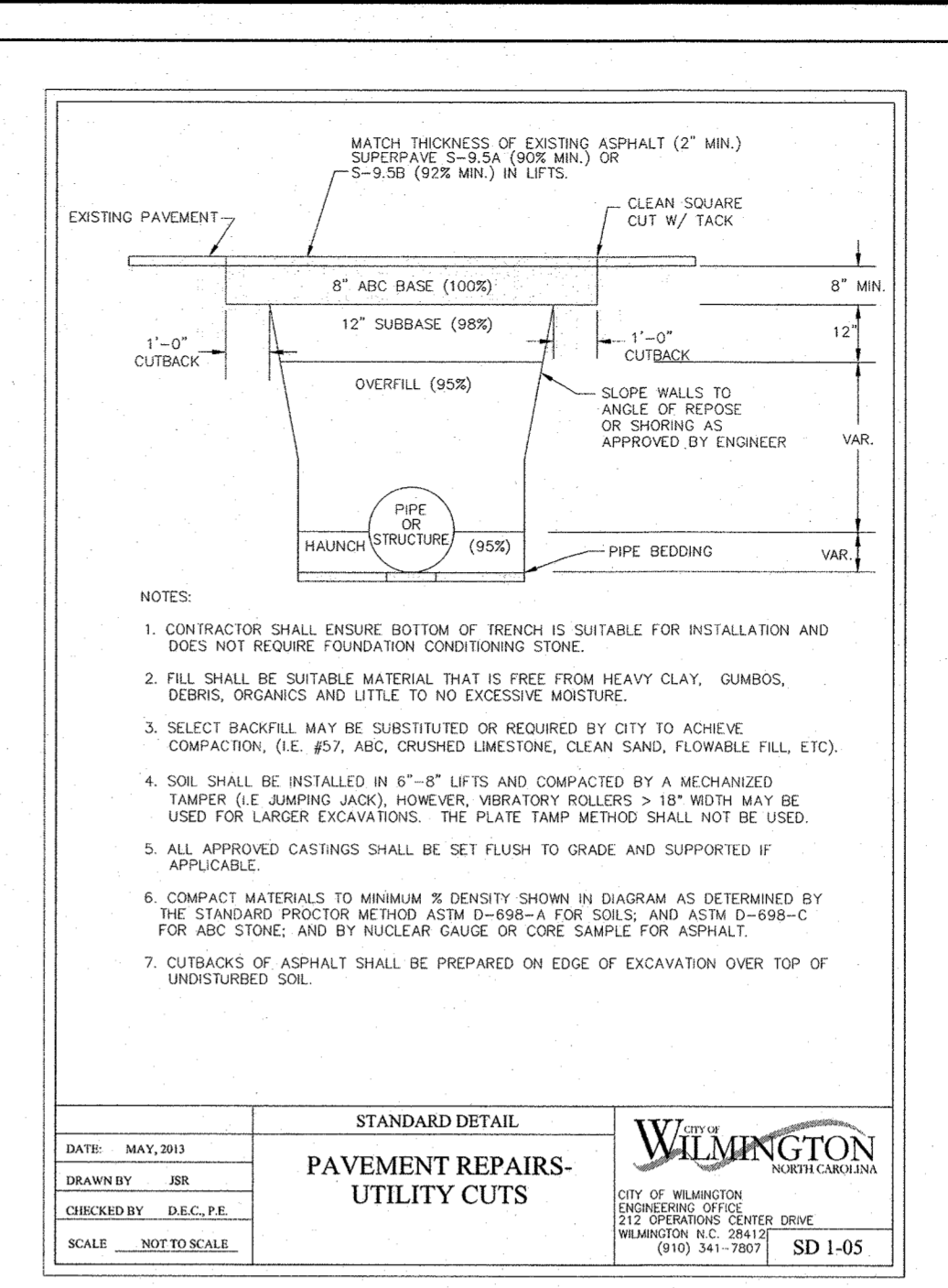
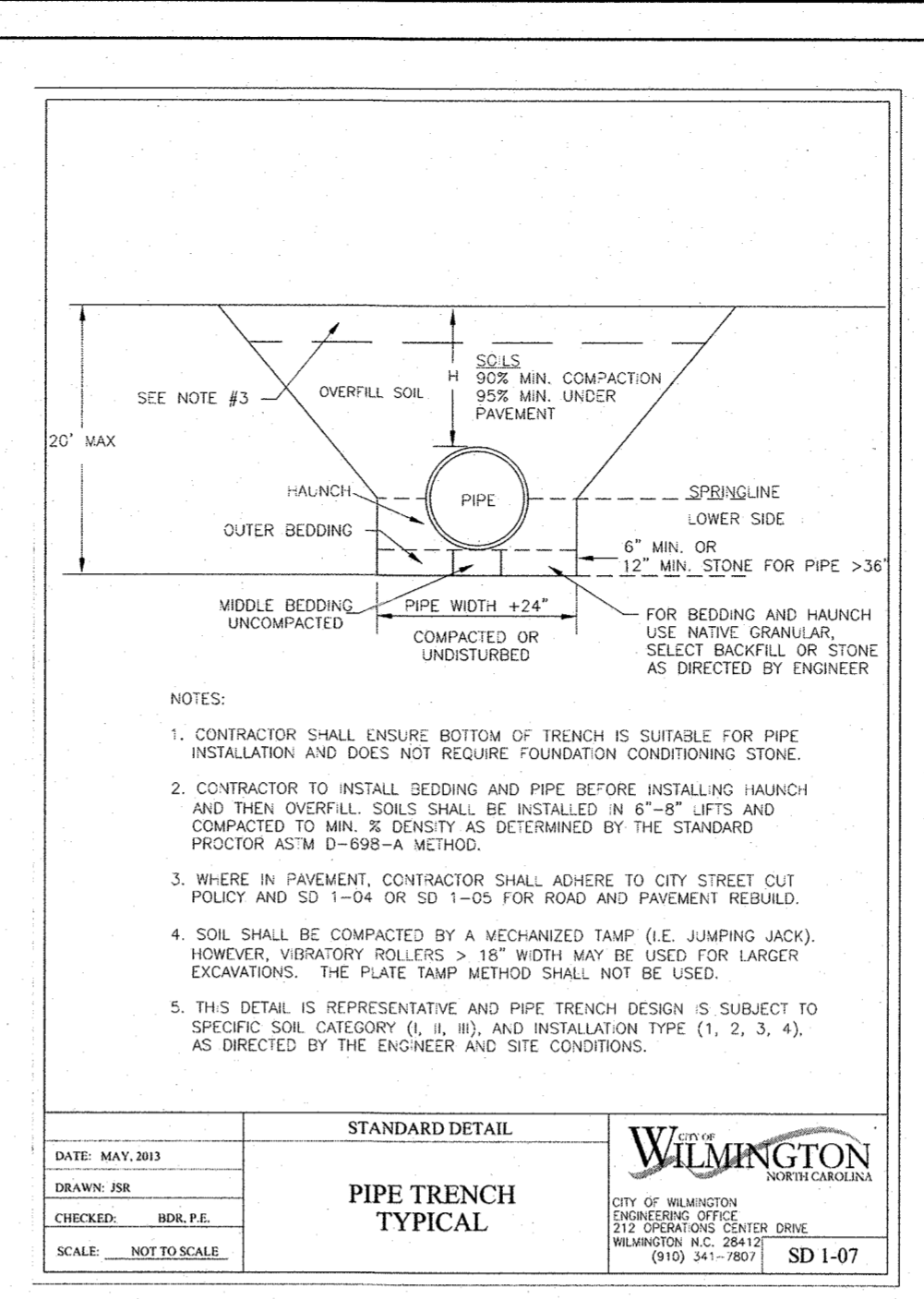
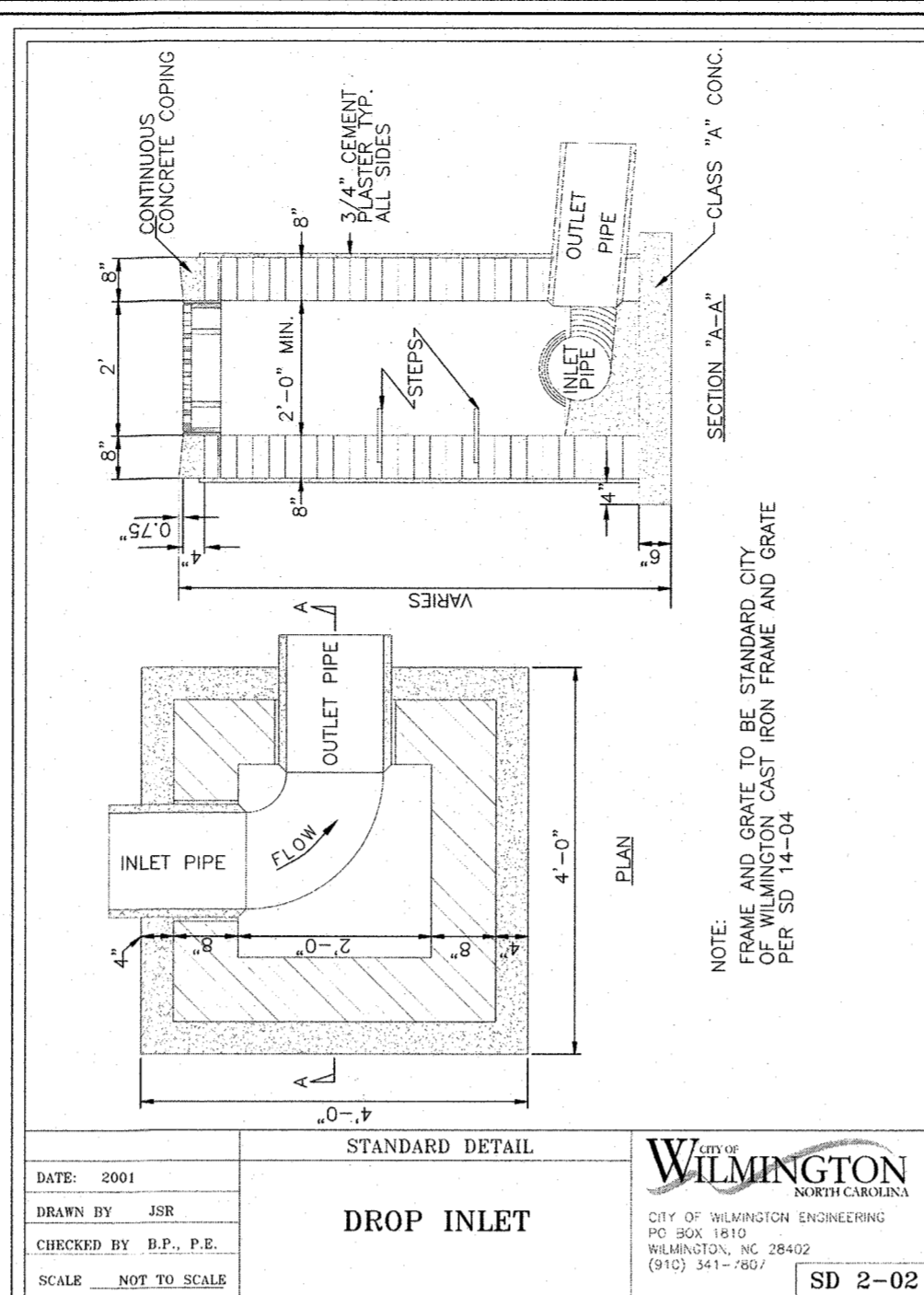
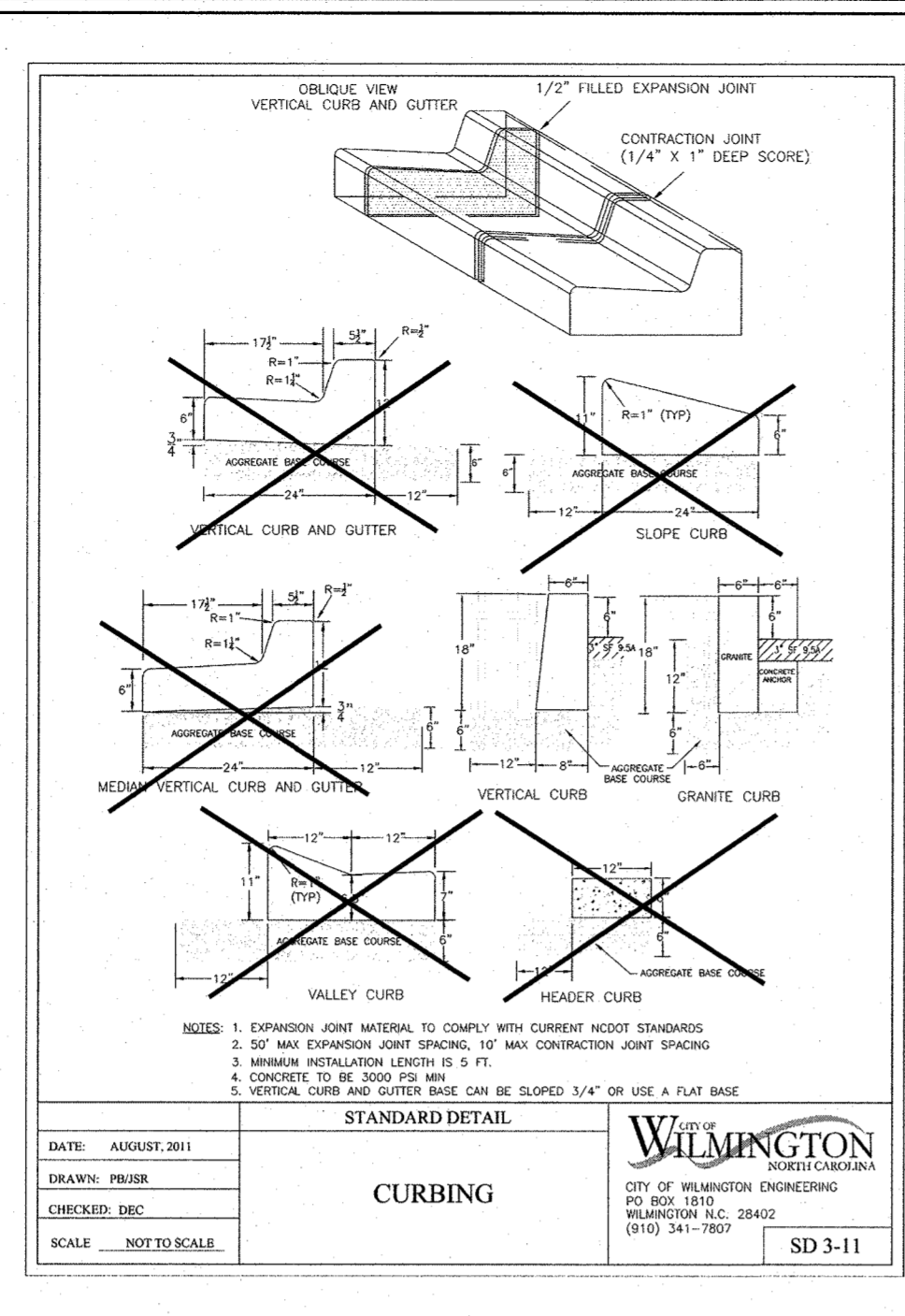
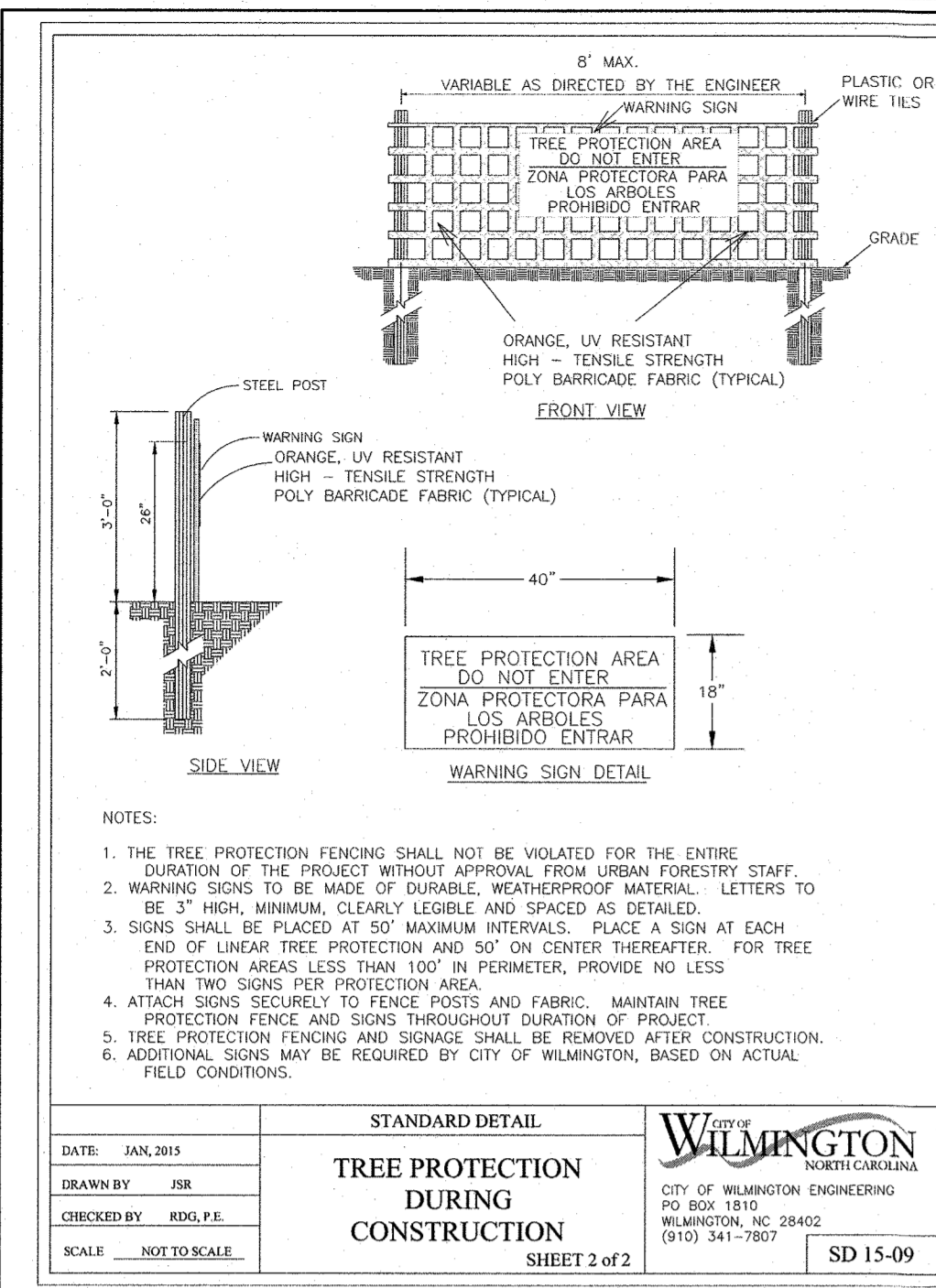
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SHEET 4 OF 6

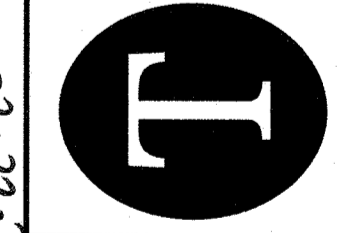
19019



| REVISIONS | | |
|-----------|-------------|----|
| No./Date | Description | By |
| | | |
| | | |

DETAILS AND NOTES
PINE VALLEY COUNTRY CLUB
WILMINGTON, NORTH CAROLINA

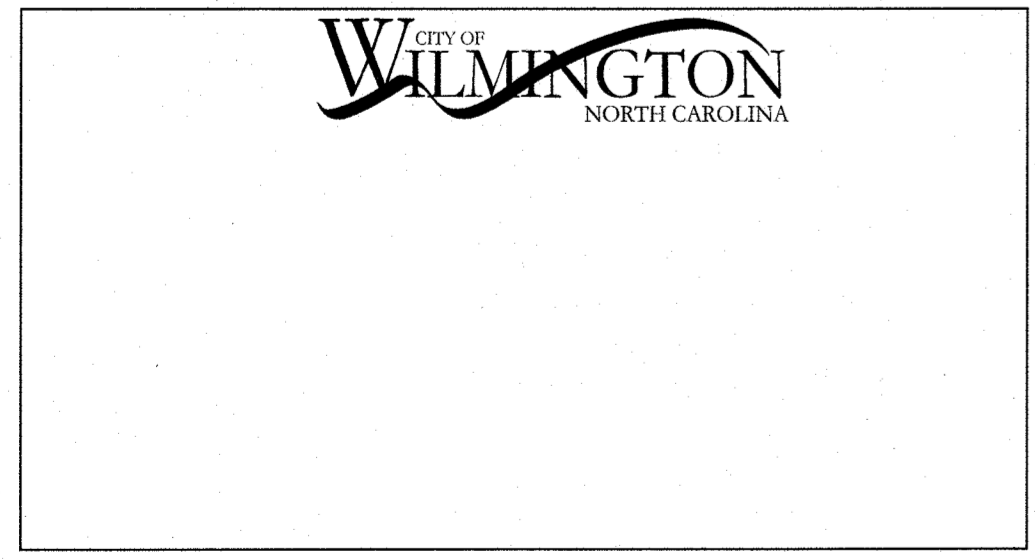
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 Wilmington, North Carolina 28401
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 Fax 910-769-5681
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 17374
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DATE 12-22-20
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C5
 SHEET 5 OF 6
 19019



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

R-4995 - R-4996
TYPE M TRENCH FRAME WITH SOLID OR GRATED COVER

Cast Iron Trench Assemblies—Light or Heavy Duty—For Use in Sidewalks, Driveways, Garages, Loading Docks, etc.

Read Carefully Before Ordering

Specify:

- Complete catalog number.
- Light or heavy duty.
- Overall length of cover required.
- Left side, flat ground, or diagonally tapered corners grade.
- Location of curb, side, bottom or end (give dimensional location and pipe size).
- Whether one end or both ends are to be open or closed.

Illustrating Type M frame with grated cover. Standard with 4-inch outside curb outlet. Can be equipped for inside curb if specified.

Sections Thru Drains

Trench covers are used over areas requiring long drainage assemblies. Can be supplied in a variety of sizes and lengths to meet special needs. For trenches of irregular pattern, product engineering can provide layout drawings.

Sections Thru Drains, Type M

Trench covers are used over areas requiring long drainage assemblies. Can be supplied in a variety of sizes and lengths to meet special needs. For trenches of irregular pattern, product engineering can provide layout drawings.

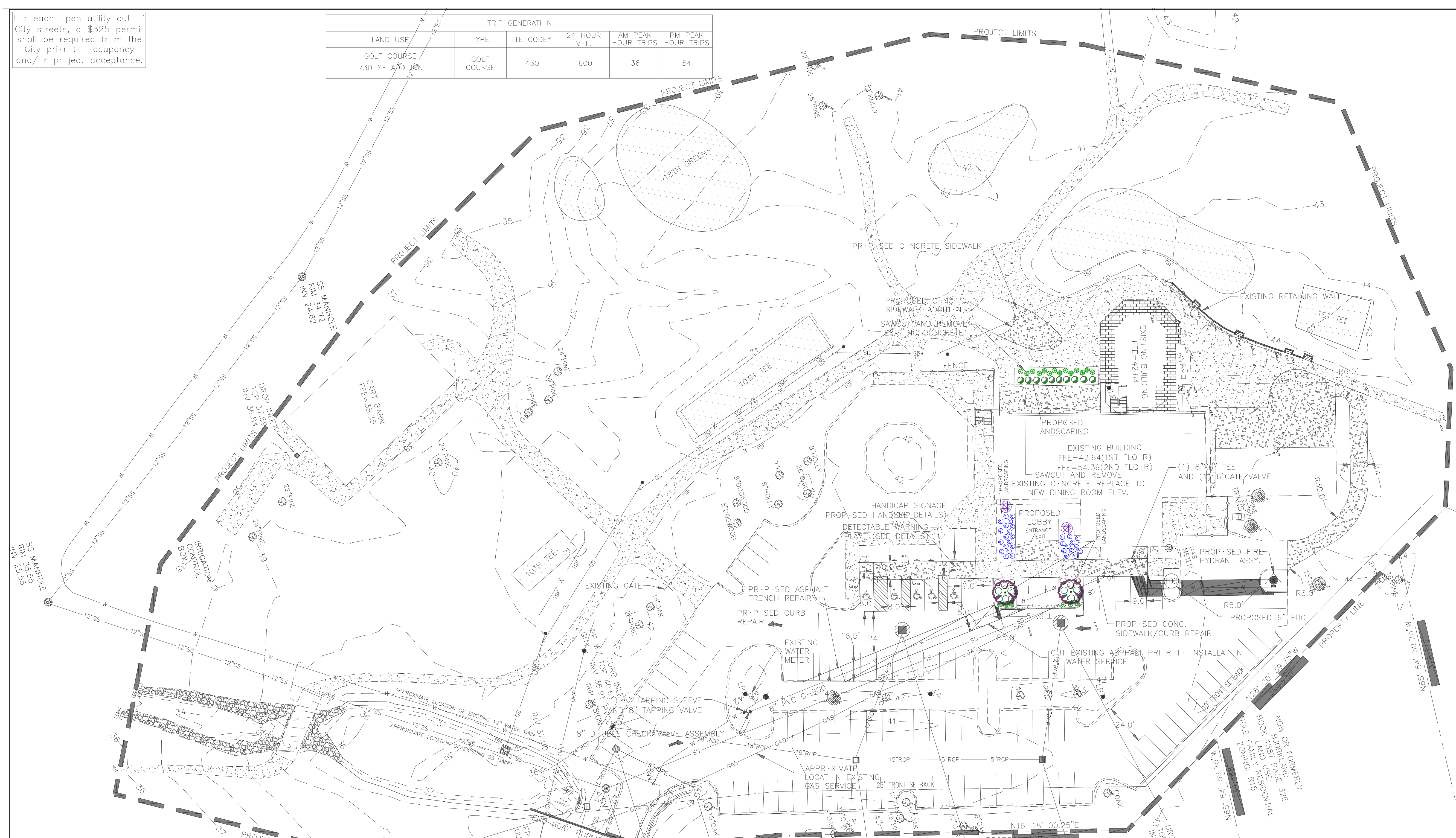
Standard 4-inch outlet at end of drain. Special size outlets are available. Provided with side and bottom outlets optional and furnished only when specified.

| Catalog No. | Description | Dimensions in Inches | | | Length |
|-------------|-------------------|----------------------|------|-----|--------|
| | | A | B | C | |
| R-4995-A1 | With graded cover | 15" | 3/4" | 10" | 60" |
| R-4995-B1 | With solid cover | 7" | 3/4" | 5" | 60" |
| R-4995-C1 | With solid cover | 7" | 3/4" | 10" | 60" |
| R-4995-D1 | With solid cover | 7" | 3/4" | 5" | 60" |
| R-4995-A2 | With graded cover | 15" | 3/4" | 10" | 60" |
| R-4995-B2 | With solid cover | 7" | 3/4" | 5" | 60" |
| R-4995-C2 | With solid cover | 7" | 3/4" | 10" | 60" |
| R-4995-D2 | With solid cover | 7" | 3/4" | 5" | 60" |

Above Standard Frames made in 4 ft. sections, covers 2 ft. lengths.
 *Also available with Type P grate.

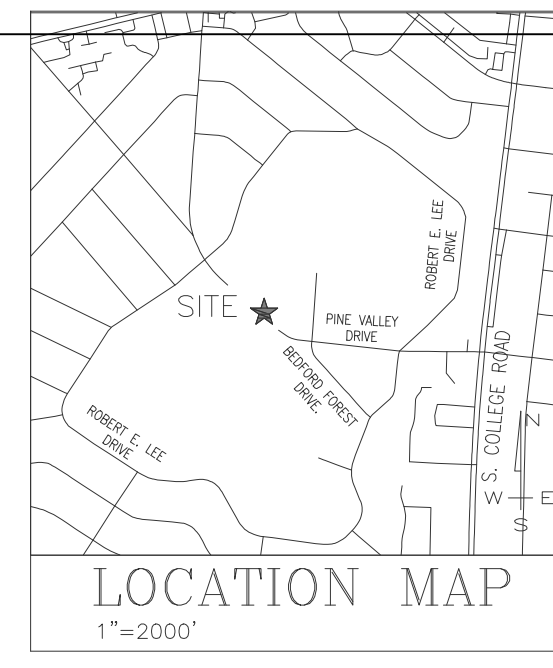
For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

| LAND USE | TRIP GENERATION | | | | |
|-----------------|-----------------|-----------|--------------|--------------------|--------------------|
| | TYPE | ITE CODE* | 24 HOUR V.L. | AM PEAK HOUR TRIPS | PM PEAK HOUR TRIPS |
| GOLF COURSE | GOLF COURSE | 430 | 600 | 36 | 54 |
| 730 SF ADDITION | | | | | |



SITE DATA:

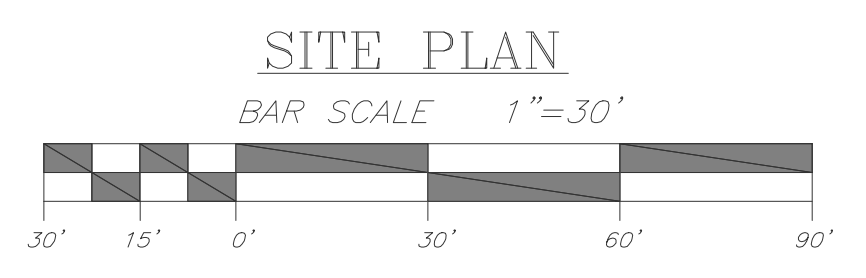
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|---|--|
| PROPERTY OWNER | PINE VALLEY COUNTRY CLUB IN |
| PROJECT ADDRESS | 500 PINE VALLEY DR |
| PIN NUMBERS | R06606-001-018-000 |
| AREA NOT IN A FEMA 100-YEAR FLOOD ZONE | |
| ZONING DISTRICT | R-15-RESIDENTIAL DISTRICT |
| CAMA LAND USE | WATERSHED PROTECTION AREA |
| PROJECT AREA | 269,222.8 SF (6.18 AC) |
| DISTURBED AREA | 16,792 SF (0.39 AC.) |
| BUILDING USE | C-MMERCIAL |
| BUILDING TYPE | CCL-CCL |
| CONSTRUCTION TYPE | IV B |
| ADDITION CLASSIFICATION | ALTERATION LEVEL III |
| REQUIRED SETBACKS | FRONT: 25' SIDE: 10' REAR: 20' |
| PROPOSED SETBACKS | FRONT: 166' SIDE: 136' REAR: 405'± |
| EXISTING BUILDING AREA (FIRST FLOOR GR-SS) | 8,506 SF |
| PROPOSED BUILDING AREA WITH ADDITION (FIRST FLOOR GR-SS) | 9,221 SF |
| BUILDING LOT COVERAGE | 9,221/5,698(.84) |
| NUMBER OF PROPOSED BUILDING ADDITIONS | 1 |
| BUILDING HEIGHT | 19'-9" |
| NUMBER OF STORIES | 1 |
| SQUARE FEET PER FLOOR | 715 SF |
| EXISTING IMPERVIOUS | |
| BUILDING | 13,102 SF |
| CONCRETE SURFACE | 29,467 SF |
| ASPHALT SURFACE | 43,715 SF |
| PAVER SURFACE | 1,401 SF |
| TOTAL IMPERVIOUS | 87,685 SF |
| EXISTING IMPERVIOUS TO BE REMOVED | |
| CONCRETE SURFACE | 628 SF |
| ASPHALT SURFACE | 6-9 SF |
| TOTAL IMPERVIOUS | 1,237 SF |
| PROPOSED IMPERVIOUS | |
| BUILDING | 730 SF |
| CONCRETE | 4,143 SF |
| TOTAL IMPERVIOUS | 4,873 SF |
| PARKING REQUIRED: | |
| MINIMUM | 54 |
| 3 SPACES/PER HOLE | 100 |
| TOTAL PARKING PROVIDED: | |
| HANDICAP SPACES REQUIRED (1-25 SPACES = 1 HANDICAP SPACE) | PR-P-SED |
| 101 SPACES | 5 SURFACE HANDICAP SPACES |
| GOLF CART PARKING | 39 SPACES |
| REQ'D. LANDSCAPE FOUNDATION PLANTING | |
| 40-33 HT. X 13.75 L X 12 = 115 SF REQ'D. | |
| PROV'D. - 378 SF & 294 SF | |



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

Approved Construction Plan

| Name | Date |
|----------|------|
| Planning | |
| Traffic | |
| Fire | |



The areas within the triangular sight distance shall be maintained free of all obstructions between 30" and 10'.

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.

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.

LEGEND

| COMMON NAME | QTY | SIZE | HEIGHT |
|-----------------------------------|-----|---------|----------|
| SHRUB, EVERGREEN BROADLEAF | | | |
| CAMELLIA SASANQUA KANJIRO | 2 | 7 GAL. | 3-4' HT. |
| DISTYLIIUM BLUE CASCADE | 10 | 3 GAL. | 12" HT. |
| HOLLY, YAUFON, DWARF | 10 | 3 GAL. | 12" HT. |
| MAHONIA SOFT CARESS | 30 | 3 GAL. | 12" HT. |
| NANDINA GULFSTREAM | 6 | 3 GAL. | 12" HT. |
| DRIFT ROSE | 20 | 3 GAL. | N/A |
| TREE, DECIDUOUS | | | |
| TRIDENT MAPLE | 2 | 2" CAL. | 8' HT. |

NOT REQ'D.

FREEMAN LANDSCAPE, INC.
Landscape Installation Professionals
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910-279-5757

Revision #: 1
Date: 2/17/2021

Scale:
1" = 30'

Landscape Plan:
Pine Valley Country Club

Landscape Design by: Jim Freeman - NCLC# 0071
Freeman Landscape, Inc.