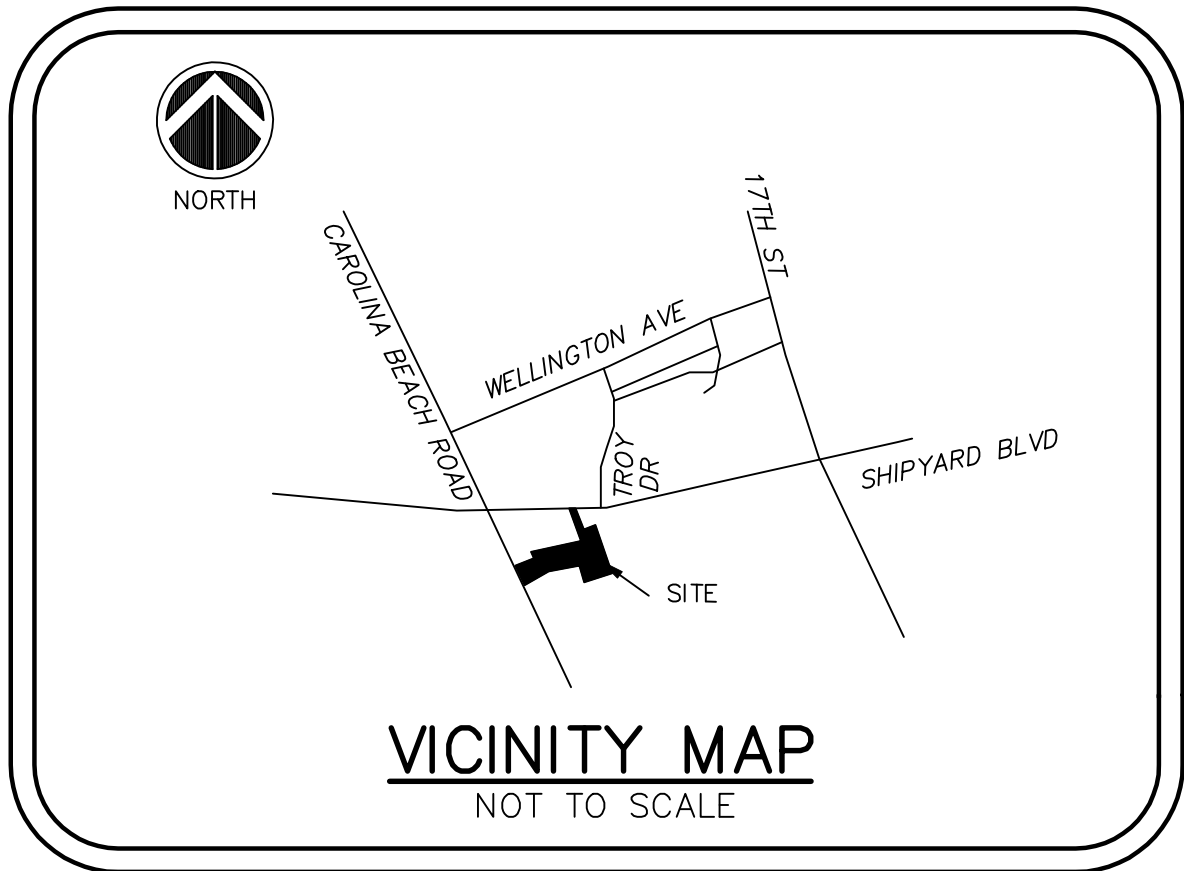
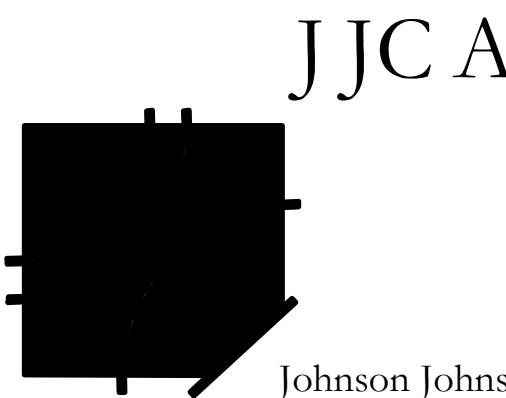


DEVELOPMENT PLANS  
for  
PARTIAL HOSPITALIZATION CENTER  
WILMINGTON TREATMENT CENTER  
2645-2651 CAROLINA BEACH ROAD  
Wilmington, North Carolina



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L102	LANDSCAPE PLAN Not Included
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A2.2	HOSPITAL ELEVATIONS
A2.3	DORMATORY ELEVATIONS
A2.20	HOSPITAL PERSPECTIVE
A2.21	DORMATORY PERSPECTIVE

ARCHITECT:



Johnson Johnson  
Crabtree Architects PC

4551 Trousdale Drive  
Nashville, TN 37204

tel 615.837.0656  
fax 615.837.0657

ENGINEER/LAND PLANNING:

Ingram Civil Engineering Group, LLC  
240 Wilson Pike Circle Suite 200  
Brentwood, TN 37027  
(615)370-7964

SURVEYOR:

McKim&Creed  
243 N. Front Street  
WILMINGTON, NC 28401  
(910)343-8282

OWNER:



6100 Tower Circle, Suite 1000  
Franklin, TN 37067  
(910)254-5434  
Local Contact: Pamela Stalls



Coastal Land Design, PLLC

Civil Engineering / Landscape Architecture  
Land Planning / Construction Management  
NCBELS Firm License No: P-0369

P.O.Box 1172  
Wilmington, NC 28402  
Phone: 910-254-9333  
Fax: 910-254-0502

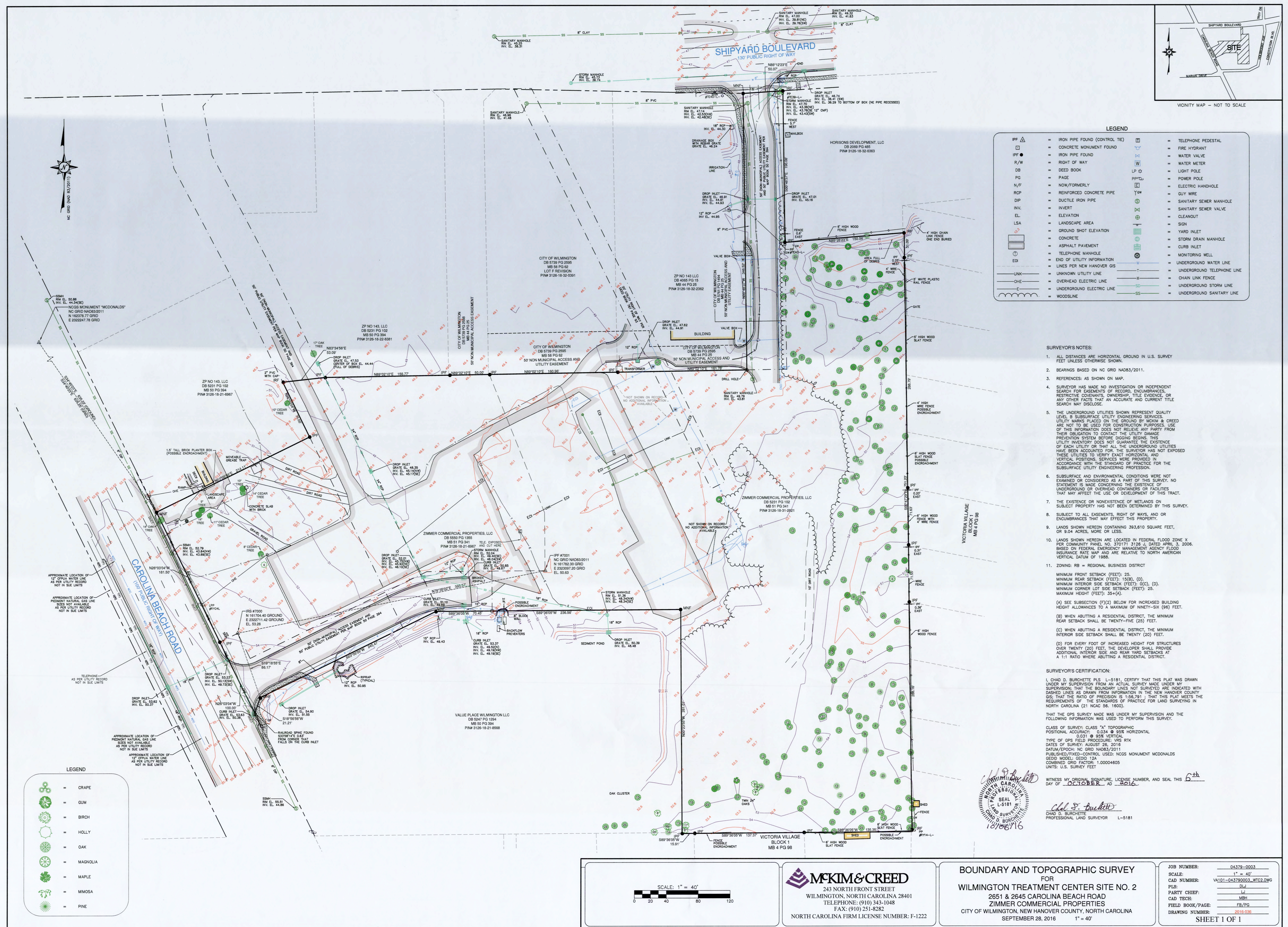
WILMINGTON  
NORTH CAROLINA  
Approved Construction Plan  
Name \_\_\_\_\_ Date \_\_\_\_\_  
Planning \_\_\_\_\_  
Traffic \_\_\_\_\_  
Fire \_\_\_\_\_

WILMINGTON  
NORTH CAROLINA  
Public Services Engineering Division  
APPROVED DRAINAGE PLAN  
Date: \_\_\_\_\_ Permit # \_\_\_\_\_  
Signed: \_\_\_\_\_

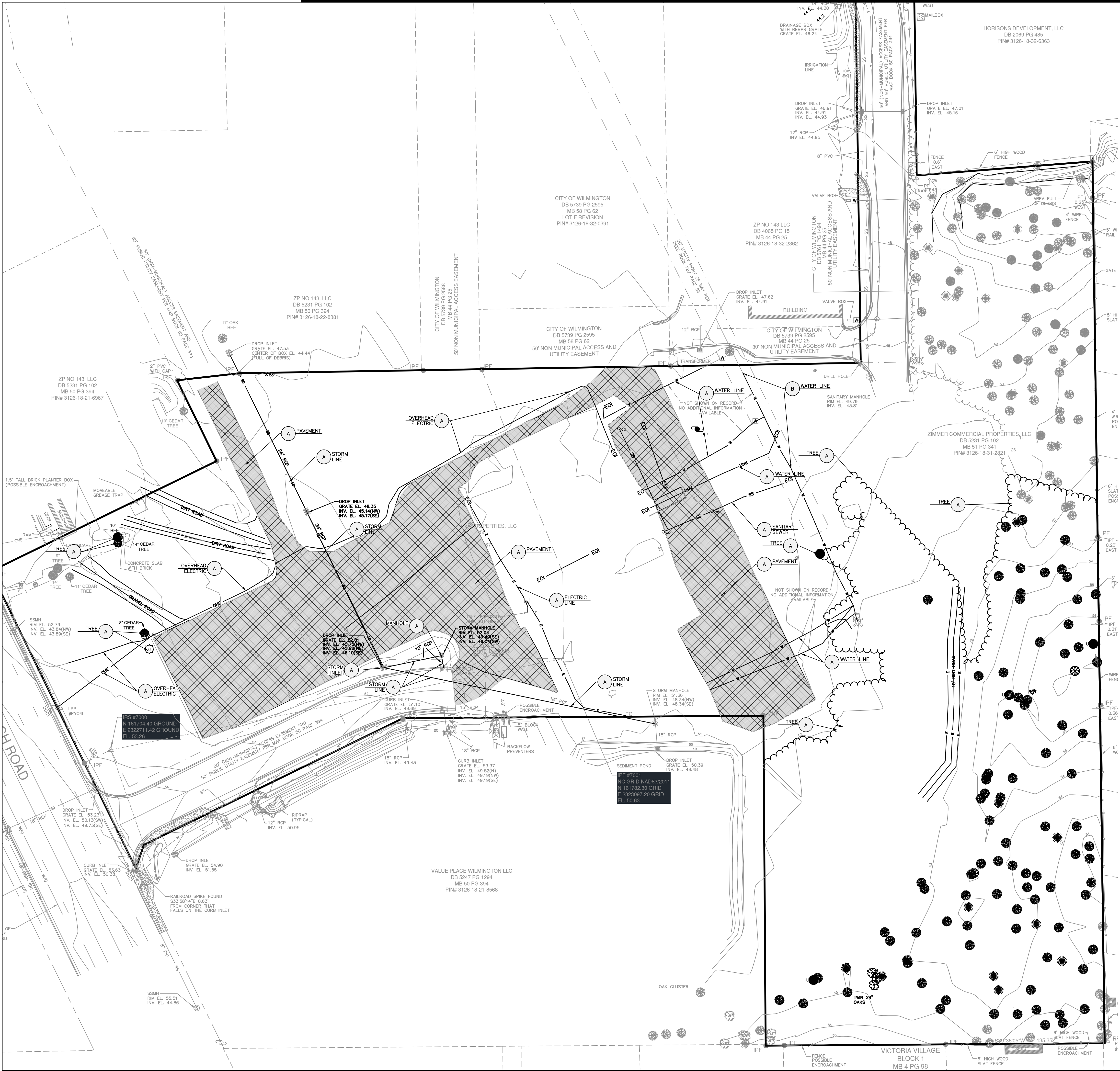
For each open utility  
cut of  
City streets, a \$325  
permit  
shall be required from  
the  
City prior to occupancy  
and/or project  
acceptance.

PRELIMINARY DESIGN  
NOT FOR CONSTRUCTION









GENERAL DEMOLITION NOTES

1. THE SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE CITY OF WILMINGTON/NEW HANOVER COUNTY STANDARD SITE WORK SPECIFICATIONS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, UNDERGROUND STORAGE TANKS AND ANY OTHER EXISTING IMPROVEMENTS, AS NOTED. SEE SITE WORK SPECIFICATIONS.
3. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
4. THE GENERAL CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
5. ENGINEER'S NOTICE TO CONTRACTOR: THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
6. SITE LAYOUT FOR WILMINGTON TREATMENT CENTER SITE NO. 2 BY INGRAM CIVIL ENGINEERING GROUP, LLC, BASED ON SITE SURVEY BY MCKIM & CREED ON 05-16-2016. ORIGINAL TOPOGRAPHICAL INFORMATION IS BASED ON A SURVEY BY MCKIM & CREED ON 05-16-2016. THE ENGINEER, THE OWNER, OR ANY OF THE OWNER'S CONSULTANTS SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION.
7. ALL NOTED DISTANCES WITH REGARD TO ITEMS TO BE DEMOLISHED ARE APPROXIMATE.

DEMOLITION NOTES

- A TO BE REMOVED
- B TO BE RELOCATED. SEE XXXXXXXX FOR MORE INFORMATION

LEGEND: DEMOLITION

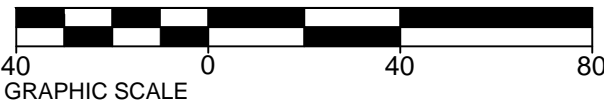
- EXISTING PAVEMENT TO BE SAWCUT & REMOVED
- EXISTING BUILDING TO BE REMOVED

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

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

**CITY OF WILMINGTON**  
NORTH CAROLINA  
Approved Construction Plan  
Name \_\_\_\_\_ Date \_\_\_\_\_  
Planning \_\_\_\_\_  
Traffic \_\_\_\_\_  
Fire \_\_\_\_\_

DEMOLITION PLAN



JJCA

New Partial Hospitalization Center for:  
Wilmington Treatment Center  
Wilmington, NC

ACADIA  
HEALTHCARE

INGRAM CIVIL  
ENGINEERING  
GROUP, LLC  
240 WILSON FINE CIRCLE, STE. 200  
BRENTWOOD, TENNESSEE 37027  
615.370.7964 OFFICE  
615.370.1275 FAX  
STATE OF NORTH CAROLINA  
PROFESSIONAL ENGINEER  
LICENSE # 027243  
CURTIS P. INGRAM

PROJECT NUMBER  
15678.01  
DATE  
October 19, 2016

C100  
DEMOLITION  
PLAN

Johnson Johnson  
Crabtree Architects PC  
4551 Trousdale Drive  
Nashville, TN 37204  
tel 615.837.0656  
fax 615.837.0657



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



Public Services • Engineering Division

### APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_



### Approved Construction Plan

Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_

Traffic \_\_\_\_\_

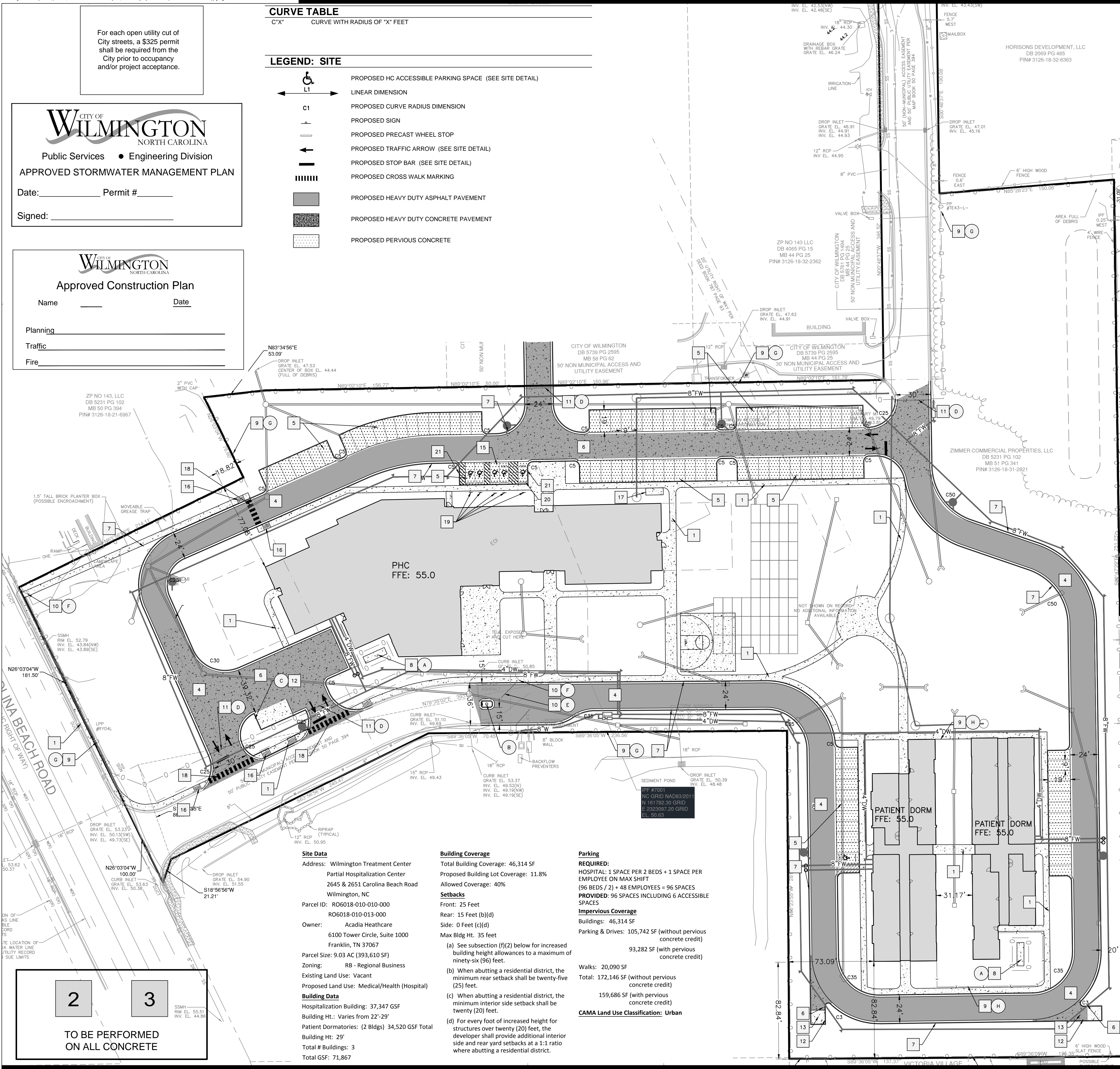
Fire \_\_\_\_\_

### CURVE TABLE

C"X" CURVE WITH RADIUS OF "X" FEET

### LEGEND: SITE

- PROPOSED HC ACCESSIBLE PARKING SPACE (SEE SITE DETAIL)
- LINEAR DIMENSION
- PROPOSED CURVE RADIUS DIMENSION
- PROPOSED SIGN
- PROPOSED PRECAST WHEEL STOP
- PROPOSED TRAFFIC ARROW (SEE SITE DETAIL)
- PROPOSED STOP BAR (SEE SITE DETAIL)
- PROPOSED CROSS WALK MARKING
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT
- PROPOSED HEAVY DUTY CONCRETE PAVEMENT
- PROPOSED PERVIOUS CONCRETE



### GENERAL SITE NOTES

1. SITE LAYOUT FOR WILMINGTON TREATMENT CENTER SITE NO. 2 BY INGRAM CIVIL ENGINEERING GROUP, LLC, BASED ON SITE SURVEY BY MCKIM & CREED ON 05-16-2016.
2. ORIGINAL TOPOGRAPHICAL INFORMATION IS BASED ON A SURVEY BY MCKIM & CREED ON 05-16-2016. THE ENGINEER, THE OWNER, OR ANY OF THE OWNER'S CONSULTANTS SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION.
3. ALL CIVIL/SITE WORK ELEMENTS INDICATED TO BE CONSTRUCTED ON THE PLANS ARE TO BE BUILT IN STRICT ACCORDANCE WITH THE STANDARDS ADOPTED BY THE CITY OF WILMINGTON/NEW HANOVER COUNTY, UNLESS SPECIFICALLY NOTED OTHERWISE. ALL SITE WORK MUST ALSO COMPLY WITH THE CITY OF WILMINGTON/NEW HANOVER COUNTY ENVIRONMENTAL REQUIREMENTS AND FEDERAL EPA REQUIREMENTS.
4. WRITTEN DIMENSIONS PREVAIL. DO NOT SCALE THESE DRAWINGS. PRINTED DIMENSIONS WHICH ARE OMITTED OR IN CONFLICT SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER FOR REVIEW AND RESPONSE. DIMENSIONS ARE FROM FACE OF CURB/EDGE OF PAVEMENT AND FACE OF BUILDING, UNLESS NOTED OTHERWISE.
5. DIMENSIONS LOCATING THE BUILDING IN RELATIONSHIP TO THE PROPERTY LINES HAVE BEEN PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. WHERE POSSIBLE, COORDINATES CAN BE USED TO ESTABLISH PHYSICAL LENGTHS ALONG THE BUILDING PERIMETER. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING FROM STRUCTURAL AND ARCHITECTURAL DRAWINGS THE ACTUAL EXTENT OF THE BUILDING ON THE PROPERTY. BUILDING LAYOUT SHALL BE BASED SOLELY ON DIMENSIONAL INFORMATION PROVIDED ON STRUCTURAL AND ARCHITECTURAL DRAWINGS. DISCREPANCIES WHICH IMPACT SITE LAYOUT SHOULD BE IMMEDIATELY REPORTED TO THE ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL SITE FEATURES, (BUILDINGS, ROADS, PARKING, PADS, WALKS, ETC.) AND WILL EMPLOY A LAND SURVEYOR LICENSED TO PRACTICE IN THE PROJECT'S REGION OF CONSTRUCTION TO STAKE OUT AND MAINTAIN ALL REQUIRED CONTROL POINTS THROUGHOUT THE LIFE OF THE PROJECT. THE SURVEYOR SHALL CERTIFY TO THE ENGINEER, IN WRITING, THAT THE LAYOUT IN THE FIELD SUBSTANTIALLY CONFORMS TO THE LAYOUT INDICATED ON THE CONTRACT DOCUMENTS. LAYOUT DISCREPANCIES OR CHANGES SHOULD BE SO NOTED TO THE ENGINEER.
7. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE DAMAGE OR LOSS OF ANY REFERENCE POINTS, MONUMENTS, HUBS, AND STAKED LOT CORNERS DURING THE CONSTRUCTION OF THE WORK AND SHALL BEAR ANY COST ASSOCIATED WITH REPAIR.
8. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS, AND PAY ALL PERMIT FEES. THE CONTRACTOR SHALL CONFORM TO ALL STATE AND LOCAL CODES AND ORDINANCES AND RECEIVE APPROPRIATE APPROVALS WHERE REQUIRED PRIOR TO COMMENCEMENT OF THE WORK.
9. MATERIALS AND PROCESSES OF CONSTRUCTION ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. WHILE THE ENGINEER HAS PROVIDED, FOR THE CONVENIENCE OF THE CONTRACTOR, DRAWINGS OUTLINING CERTAIN REQUIRED OSHA MINIMUM SAFETY PRACTICES, THE ENGINEER DOES NOT ACCEPT RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION OR FOR VERIFYING THAT SUCH MEASURES ARE IMPLEMENTED ON SITE. MAINTAINING A SAFE ENVIRONMENT DURING THE PROMULGATION OF THE WORK IS THE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER, THE OWNER AND OTHER CONSULTANTS, HAVE NO EXPERTISE, NOR ACCEPT ANY LIABILITY, IMPLIED OR OTHERWISE, FOR MATERIALS AND PROCESSES OF CONSTRUCTION.
10. THE CONTRACTOR SHALL NOT COMMENCE ANY WORK WHICH IS NOT UNDER THE CONTROL OR OWNERSHIP OF THE OWNER WITHOUT WRITTEN PERMISSION FROM THE PROPERTY'S OWNER OR CONTROLLING INTEREST. WHERE CONTROLLING INTEREST IS A LOCAL, STATE, OR FEDERAL AGENCY, THEN APPROVAL FOR CONSTRUCTION SHALL CONSTITUTE AUTHORITY TO COMMENCE WORK.
11. WHERE NOT SPECIFICALLY NOTED OTHERWISE, ALL CONCRETE FINISHES SHALL BE SLIP RESISTANT PER TECHNICAL SPECIFICATIONS.
12. ALL ACCESSIBLE PARKING SPACES, INDICATED WITH THE GRAPHIC ACCESSIBLE SYMBOL, DENOTE ACCESSIBLE PARKING SPACES. THESE SPACES ARE DESIGNED TO CONFORM TO ADA AND NORTH CAROLINA ACCESSIBILITY STANDARD SPECIFICATIONS. ALL INDICATED SPACES SHALL RECEIVE THE PAINTED SYMBOL AND APPROPRIATE IDENTIFICATION SIGNAGE. WHERE REQUIREMENTS ARE DIFFERENT OR IN EXCESS OF THESE, THE CONTRACTOR WILL ALLOW FOR THOSE ADDITIONAL REQUIREMENTS IN HIS PRICE AND PROMPTLY SUBMIT THEM TO THE ENGINEER.
13. THE CONTRACTOR IS RESPONSIBLE FOR USING THE ONE-CALL SYSTEM OR OTHER MEANS TO CONTACT AND VERIFY LOCATIONS OF ALL UTILITIES. THE CONTRACTOR IS FULLY RESPONSIBLE FOR REPAIRS TO DAMAGED UTILITIES.
14. THE CONTRACTOR IS TO CONTROL TRAFFIC FLOW DURING TIME OF CONSTRUCTION. ANY AND ALL TRAFFIC CONTROL IMPLEMENTED DURING THIS PROJECT SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
15. ALL WORK WITHIN PUBLIC RIGHT-OF-WAY MUST BE IN ACCORDANCE WITH CITY OF WILMINGTON/NEW HANOVER COUNTY AND NC D.O.T. REGULATIONS.

### SITE NOTES

- A 20'x6' GENERATOR PAD WITH FENCE
- B GATE KEYPAD/CARD READER IN CONCRETE ISLAND
- C COMPACTOR PAD WITH ENCLOSURE
- D 6' HIGH BY 30' WIDE AUTOMATED CANTILEVER GATE
- E 6' HIGH BY 30' WIDE AUTOMATED DOUBLE LEAF SWING GATE
- F 6' HIGH BY 4' WIDE SINGLE LEAF SWING GATE
- G 6' HIGH IMPASSE II FENCE
- H 4' HIGH IMPASSE II FENCE

### SITE DETAILS

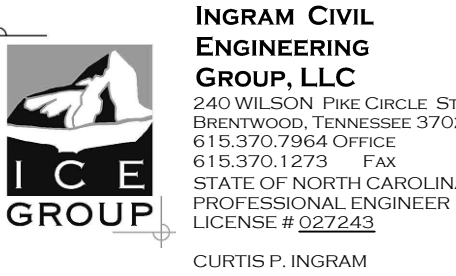
- |                                |                                     |
|--------------------------------|-------------------------------------|
| 1 CONCRETE SIDEWALK            | 11 TRANSPORT II CANTILEVER GATE     |
| 2 CONCRETE JOINTS              | 12 DUMPSTER PAD WITH ENCLOSURE      |
| 3 CONCRETE JOINT SEALANTS      | 13 WOOD DUMPSTER SCREEN FENCE       |
| 4 HEAVY DUTY ASPHALT PAVEMENT  | 14 ACCESSIBLE SYMBOL                |
| 5 PERVIOUS CONCRETE PAVEMENT   | 15 ACCESSIBLE PARKING SPACES LAYOUT |
| 6 HEAVY DUTY CONCRETE PAVEMENT | 16 ACCESSIBLE CURB RAMP             |
| 7 CONCRETE CURB AND GUTTER     | 17 BIKE RACK                        |
| 8 CONCRETE MECHANICAL PAD      | 18 CROSSWALK                        |
| 9 IMPASSE II FENCE             | 19 ACCESSIBLE SIGN                  |
| 10 IMPASSE II SWING GATE       | 20 WHEEL STOP                       |
|                                | 21 CURB TRANSITION (ASPHALT UP)     |

### SITE PLAN



JJCA

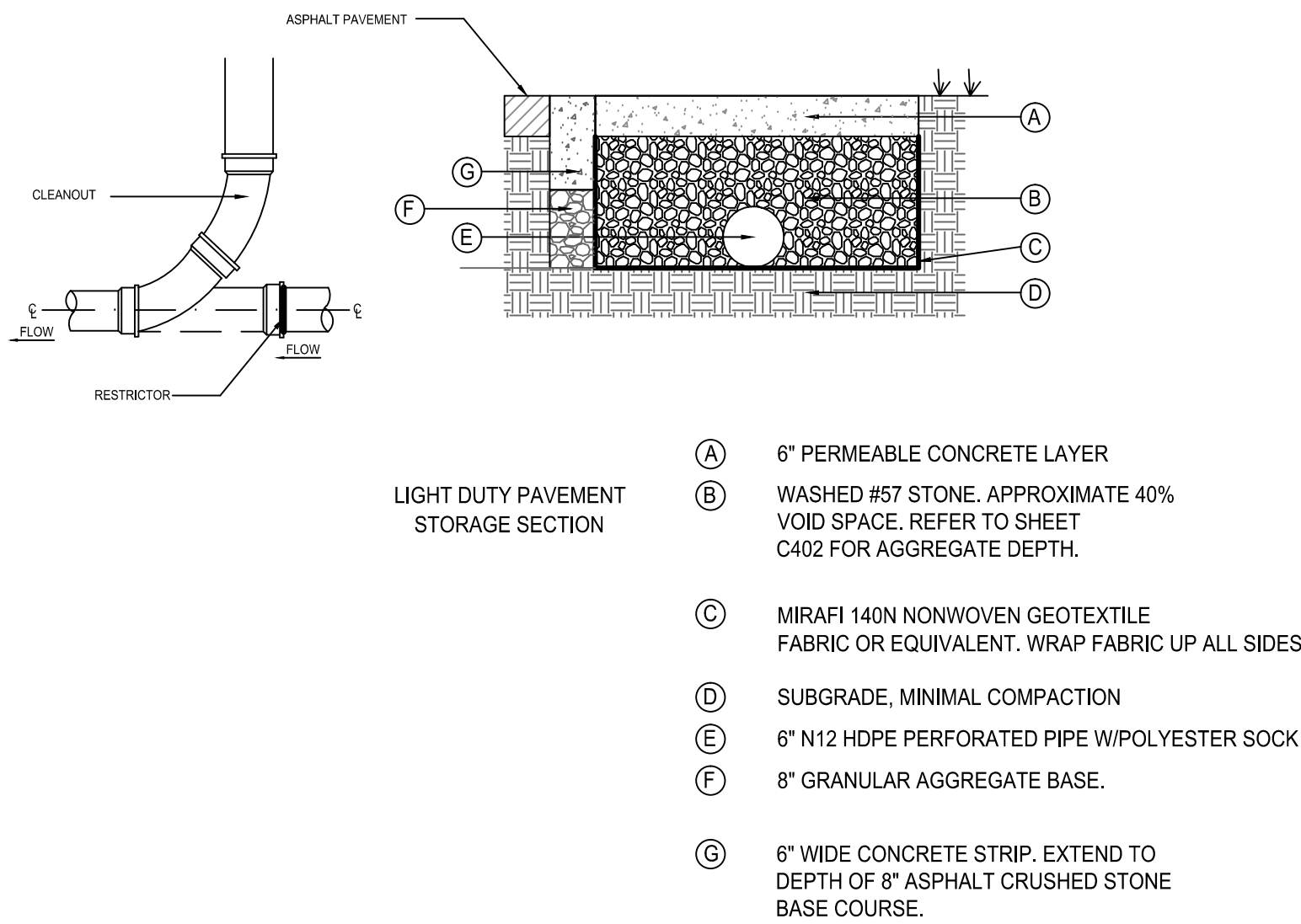
New Partial Hospitalization Center for:  
Wilmington Treatment Center  
Wilmington, NC



PROJECT NUMBER  
15678.01  
DATE  
October 19, 2016

C200  
SITE PLAN



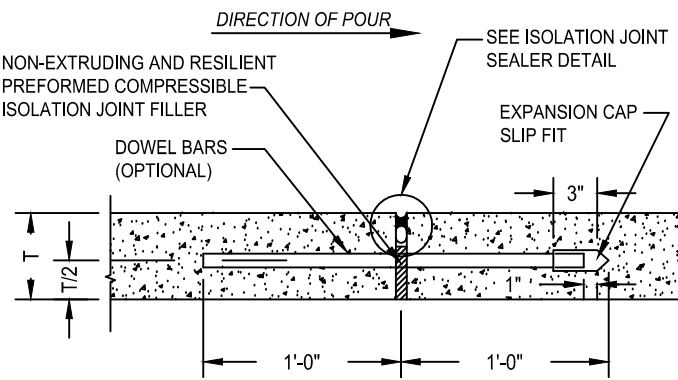
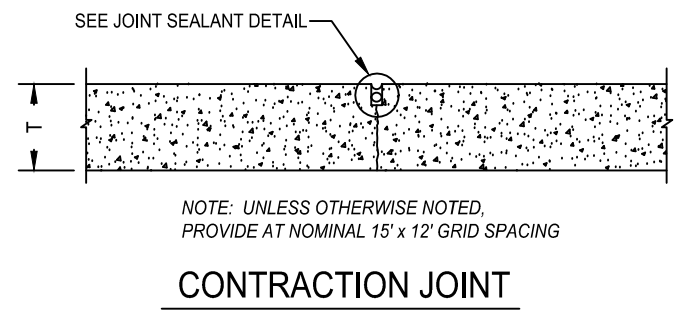


SEE SPECIFICATIONS FOR MATERIAL REQUIREMENTS

**PERVIOUS PAVEMENT SECTION**  
(NOT TO SCALE)

**NOTE:** A GEOTECH REPORT WITH PAVEMENT RECOMENDATIONS WAS NOT PROVIDED TO THE ENGINEER FOR DESIGN PURPOSES, SECTIONS ARE BASED ON STANDARD ENGINEERING PRACTICE.

5



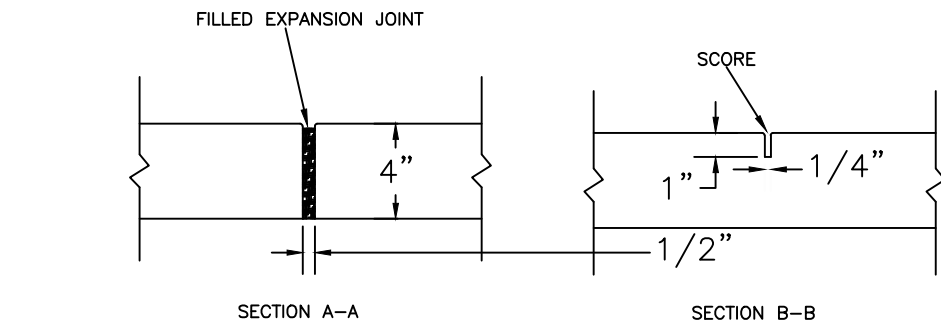
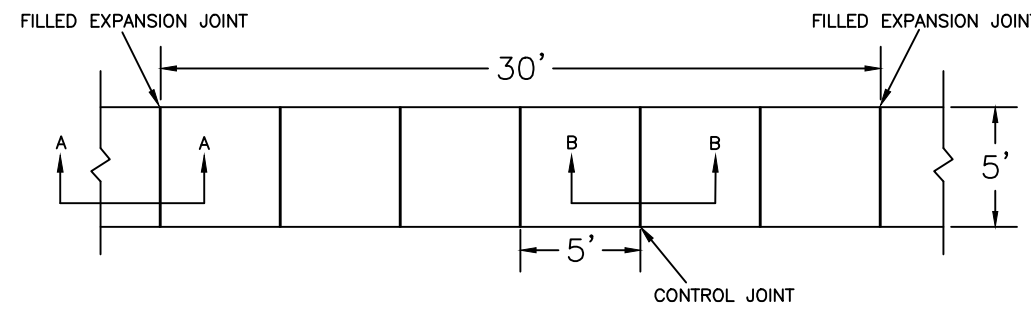
**ISOLATION JOINT**

NOTE: 1- COORDINATE ALL JOINTS WITH TECHNICAL SPECIFICATIONS 2- DOWEL BARS ARE NOT TO BE USED UNLESS SPECIFICALLY NOTED.

T = PAVEMENT THICKNESS  
TE = THICKNESS OF ADJACENT PAVEMENT

COORDINATE WITH TECHNICAL SPECIFICATIONS.  
**CONCRETE JOINT DETAILS (TYP)**  
(NOT TO SCALE)

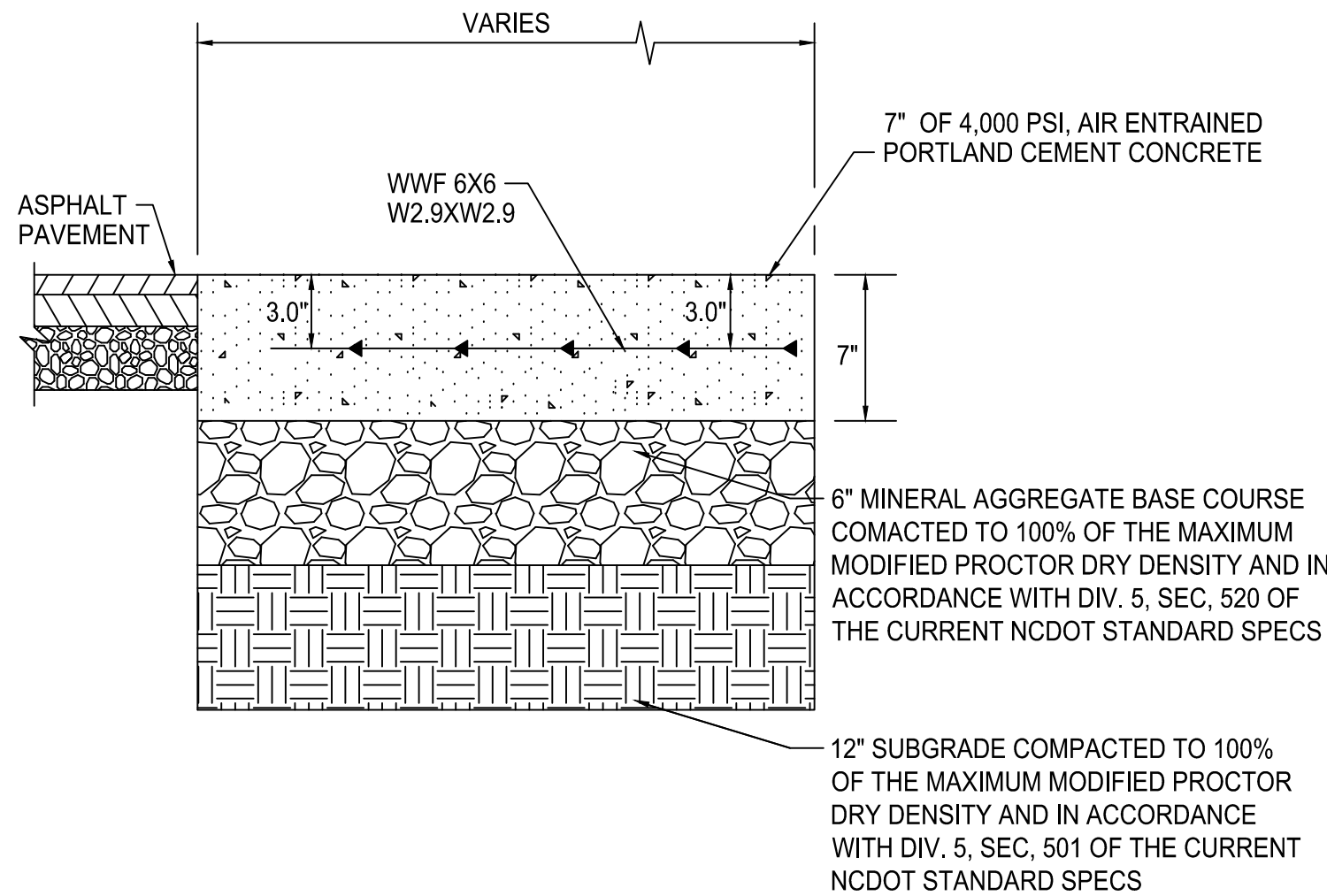
3



- NOTES:
1. JOINT MATERIAL TO COMPLY WITH CURRENT NCDOT STANDARDS.
  2. SANITARY, SEWER, CLEAN-OUTS, WATER METERS, MANHOLES, AND VALVE LIDS TO BE LOCATED OUTSIDE SIDEWALK WHERE FEASIBLE.
  3. MINIMUM SIDEWALK WIDTH TO BE 6' MINIMUM IF PLACED AT BACK OF CURB.
  4. CONCRETE FOR ALL SIDEWALKS (EXCEPT ANY PORTION CONTAIN WITHIN A DRIVEWAY APRON) SHALL BE CLASS "A" - 3,000 PSI.
  5. MINIMUM REPLACEMENT FOR REPAIRS IS A 5' X 5' PANEL.
  6. 4" STONE BASE MAY BE REQUIRED FOR POOR SOIL CONDITIONS
  7. MINIMUM DEPTH FOR TUNNELING BELOW SIDEWALK IS 12"
  8. MAX ADJACENT GROUND SLOPE WITHOUT RAILING IS 2:1
  9. MIN. GRADE FOR PROPER DRAINAGE IS 1% IN AT LEAST 1 DIRECTION. MAX. CROSS SLOPE IS 2%. MAX. LONGITUDINAL SLOPE IS 8.3%, 10% IF LIMITED BY EXISTING CONDITIONS, OR NO GREATER THAN THE SLOPE OF THE EXISTING ADJACENT ROAD.

**CONCRETE SIDEWALK**  
(NOT TO SCALE)

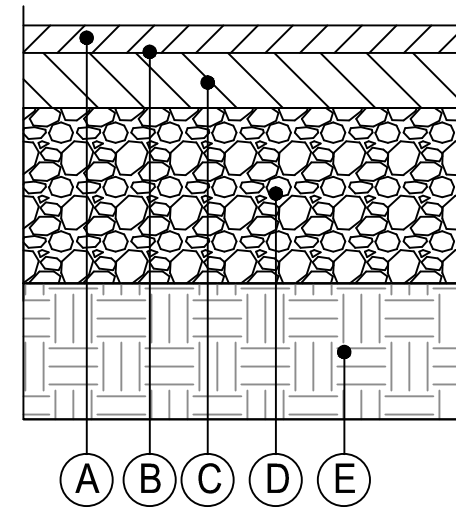
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**CONCRETE PAVEMENT-HEAVY DUTY**  
(NOT TO SCALE)

**NOTE:** A GEOTECH REPORT WITH PAVEMENT RECOMENDATIONS WAS NOT PROVIDED TO THE ENGINEER FOR DESIGN PURPOSES, SECTIONS ARE BASED ON STANDARD ENGINEERING PRACTICE.

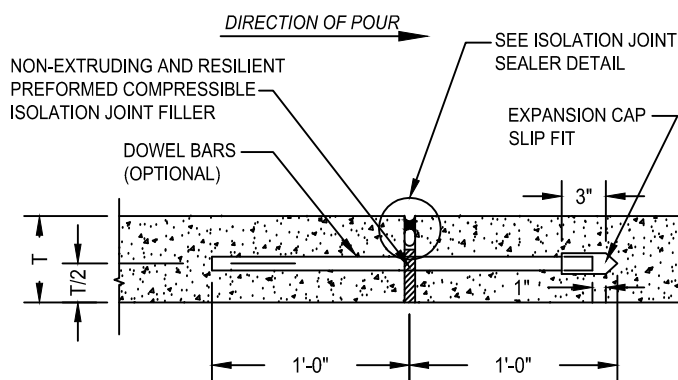
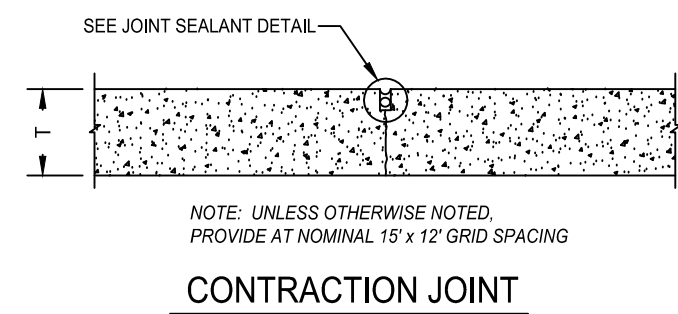
6



**ASPHALT PAVEMENT SECTION (HEAVY DUTY)**  
(NOT TO SCALE)

**NOTE:** A GEOTECH REPORT WITH PAVEMENT RECOMENDATIONS WAS NOT PROVIDED TO THE ENGINEER FOR DESIGN PURPOSES, SECTIONS ARE BASED ON STANDARD ENGINEERING PRACTICE.

4



**ISOLATION JOINT**

NOTE: 1- COORDINATE ALL JOINTS WITH TECHNICAL SPECIFICATIONS 2- DOWEL BARS ARE NOT TO BE USED UNLESS SPECIFICALLY NOTED.

T = PAVEMENT THICKNESS  
TE = THICKNESS OF ADJACENT PAVEMENT

COORDINATE WITH TECHNICAL SPECIFICATIONS.  
**CONCRETE JOINT DETAILS (TYP)**  
(NOT TO SCALE)

2

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



Public Services • Engineering Division  
**APPROVED STORMWATER MANAGEMENT PLAN**

Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_



**Approved Construction Plan**

Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_

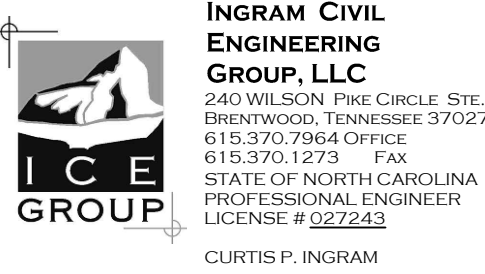
Traffic \_\_\_\_\_

Fire \_\_\_\_\_

JJCA

New Partial Hospitalization Center for:  
**Wilmington Treatment Center**  
Wilmington, NC

Johnson Johnson  
Crabtree Architects P.C.  
tel 615.837.0656  
fax 615.837.0657  
4551 Trousdale Drive  
Nashville, TN 37204



PROJECT NUMBER  
**15678.01**  
DATE  
**October 19, 2016**

**C210**  
SITE  
DETAILS





9



**CURBING**  
(NOT TO SCALE)

Signed: \_\_\_\_\_

Fire

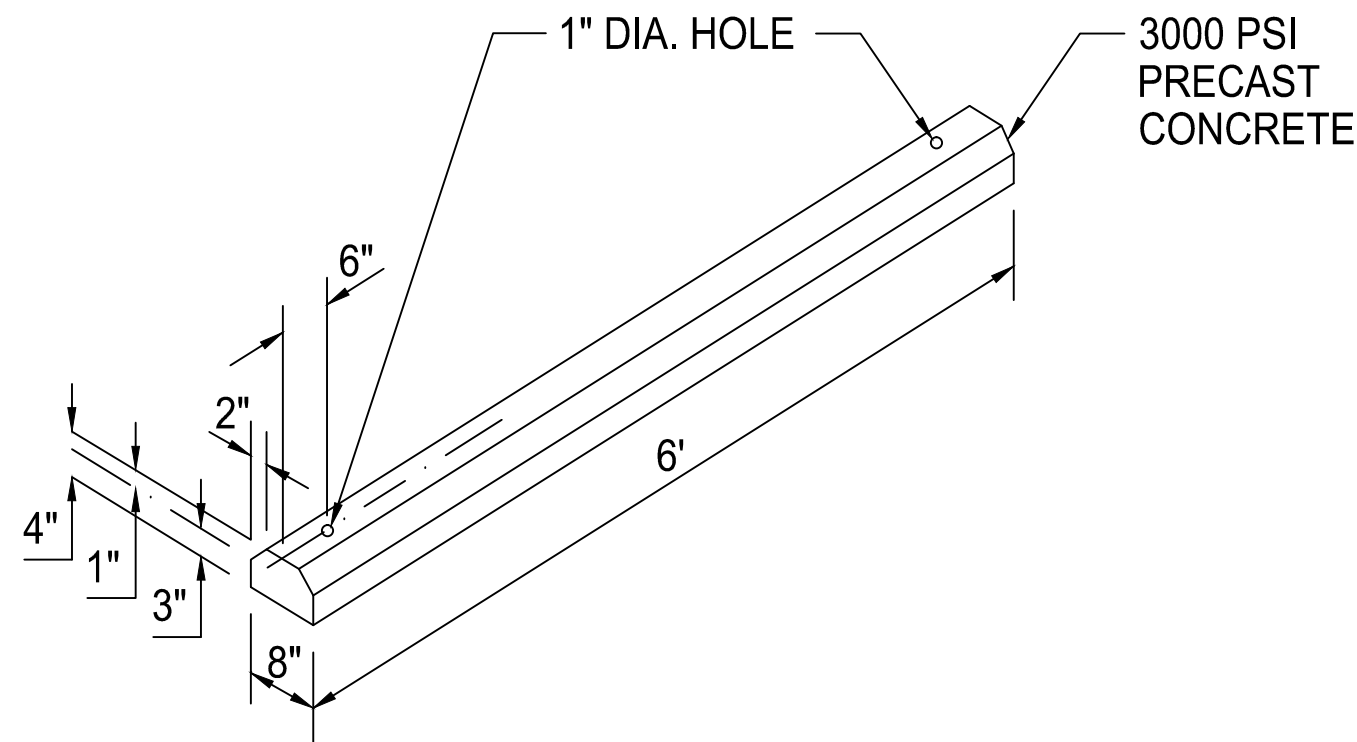


8





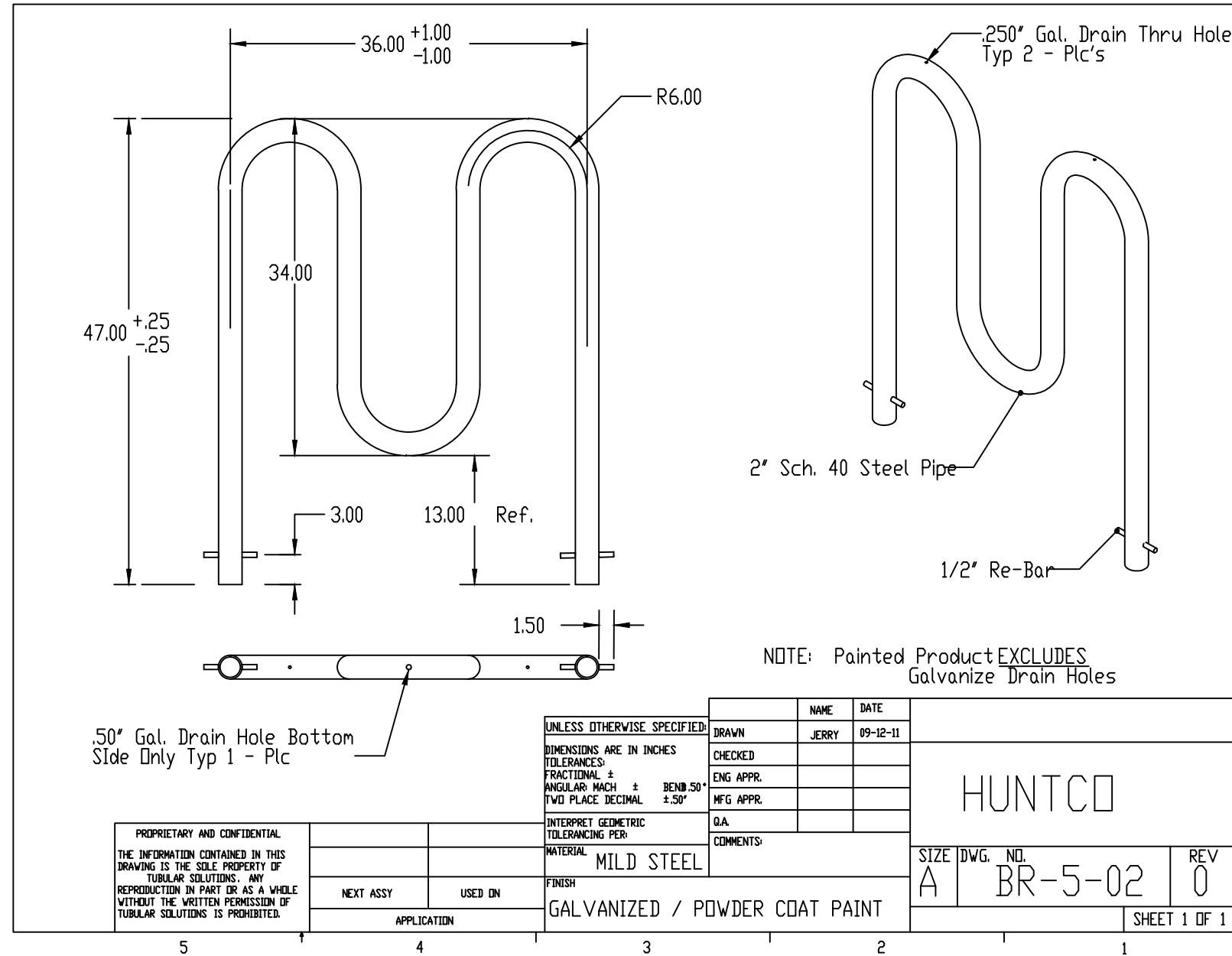




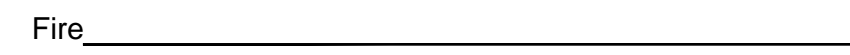
REQUIRES 2 - #4 X 2'-0" STEEL BAR STAKES FOR EACH CURB SECTION. CURB REINFORCED W/ 2 #3 REBARS. LOCATE PARKING CURB 3' FROM FACE OF SIDEWALK HEADER OR EDGE OF PAVEMENT.

### WHEEL STOP (NOT TO SCALE)

20







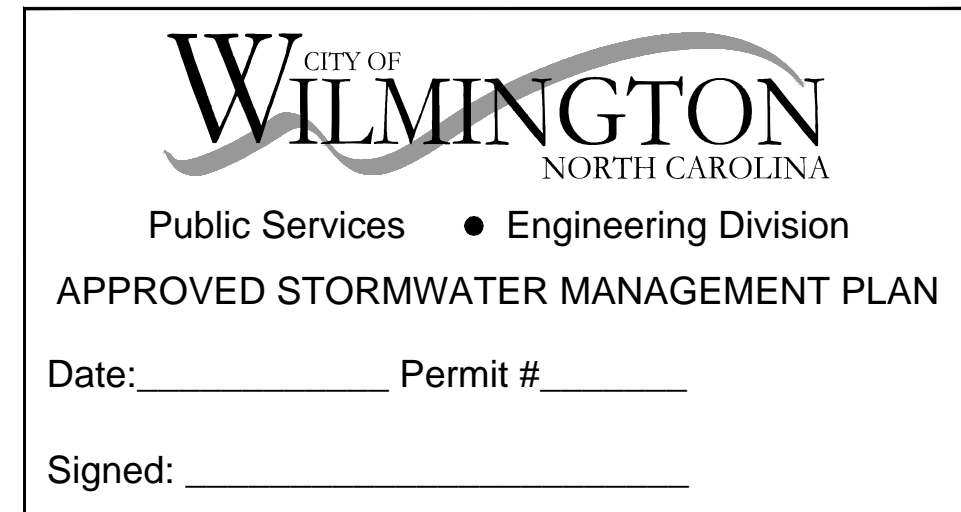
**Johnson Johnson**  
**Crabtree Architects PC**  
4551 Trousdale Drive  
Nashville, TN 37204  
tel 615.837.0656  
fax 615.837.0657



1. PRIOR TO INSTALLATION OF STORM OR SANITARY SEWER, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL CROSSINGS AND INFORM THE OWNER AND THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION. THE ENGINEER WILL BE HELD HARMLESS IN THE EVENT THE ENGINEER IS NOT NOTIFIED OF DESIGN CONFLICTS.
2. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND SIX INCHES OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON SITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL, APPROVED BY THE OWNER, AS NEEDED. THE AREA SHALL THEN BE SEEDED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS (SEE LANDSCAPE PLAN FOR SEED MIX AND PROPER APPLICATION RATE). ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
3. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY LOCATIONS OF ANY UNDERGROUND UTILITIES. THE CONTRACTOR IS TO VERIFY LOCATION OF OVERHEAD UTILITIES. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
4. THE CONTRACTOR IS TO CONTROL TRAFFIC FLOW DURING TIME OF CONSTRUCTION. ANY AND ALL TRAFFIC CONTROL IMPLEMENTED DURING THIS PROJECT SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
5. ALL WORK WITHIN PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH CITY OF WILMINGTON/NEW HANOVER COUNTY AND THE NC D.O.T. REGULATIONS.
6. CONTRACTOR TO COORDINATE LOCATION OF TOP SOIL STOCKPILE AREA WITH OWNER. SILT FENCE SHALL BE PLACED AROUND PERIMETER OF THE STOCKPILE FOR EROSION AND SEDIMENT CONTROL.
7. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS, AND PAY ALL PERMIT FEES. THE CONTRACTOR SHALL CONFORM TO ALL STATE AND LOCAL CODES AND ORDINANCES AND RECEIVE APPROPRIATE APPROVALS WHERE REQUIRED PRIOR TO COMMENCEMENT OF THE WORK.
8. ALL LANDSCAPED SLOPES SHALL BE THREE FEET (3') HORIZONTAL TO ONE FOOT (1') VERTICAL OR FLATTER.
9. CONTOUR LINES AND SPOT ELEVATIONS ARE THE RESULT OF A DETAILED ENGINEERING DESIGN AND REFLECT A PLANNED INTENT WITH REGARD TO EARTHWORK AND DRAINAGE. SHOULD CONTRACTOR HAVE QUESTIONS WITH THIS INTENT, HE SHALL CONTACT THE ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
10. SLOPE GROUND AWAY FROM BUILDING AT TWO PERCENT (2%) MINIMUM.

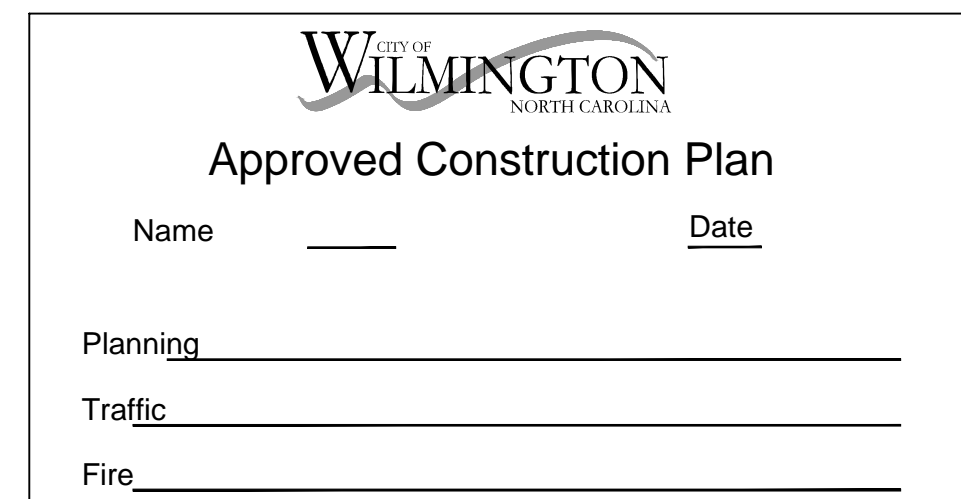
A .

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



APPROVED STORMWATER MANAGEMENT PLAN

Signed: \_\_\_\_\_



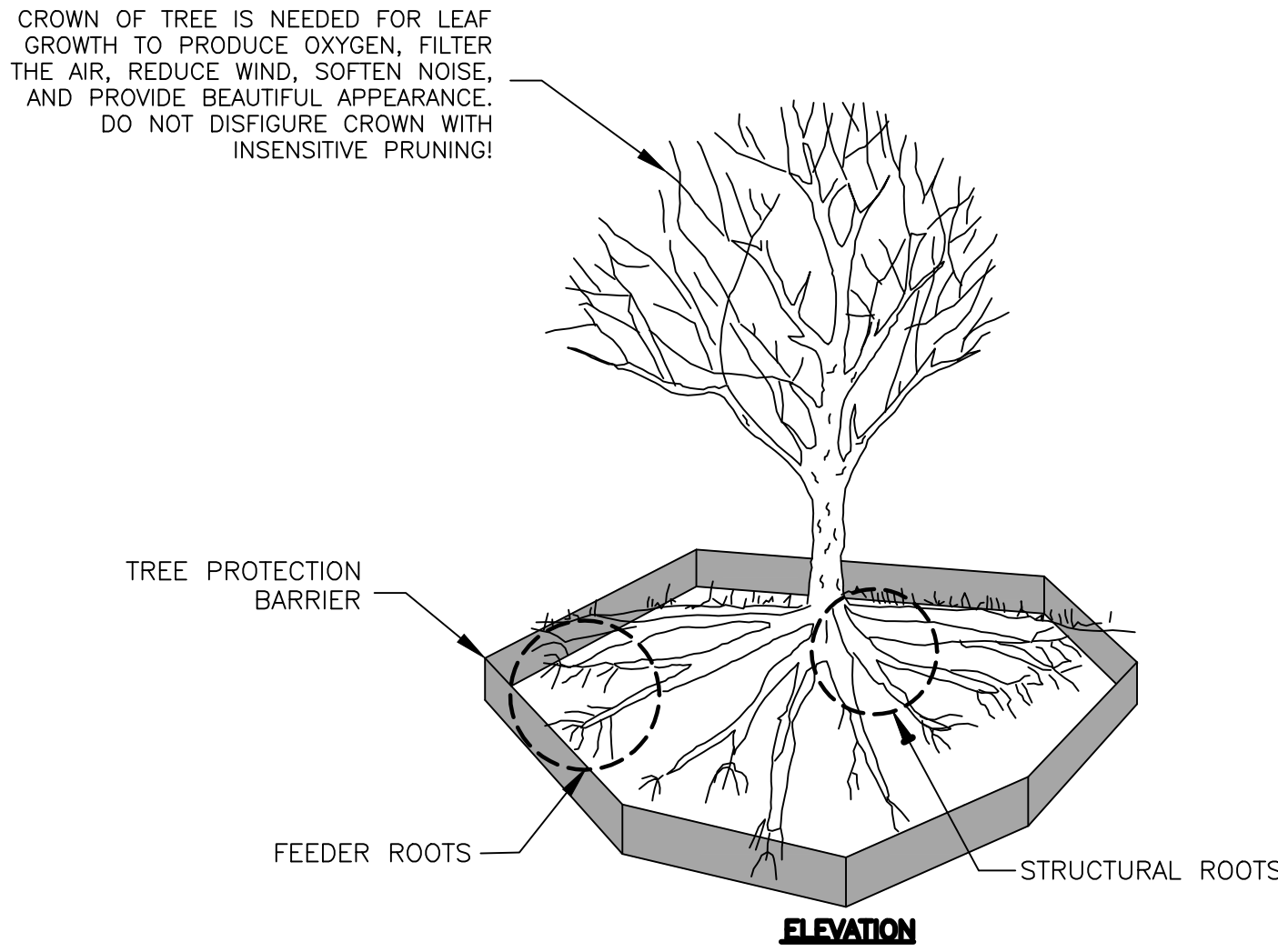
Planning	
Traffic	
Fire	

GRAPHIC SCALE



-

-

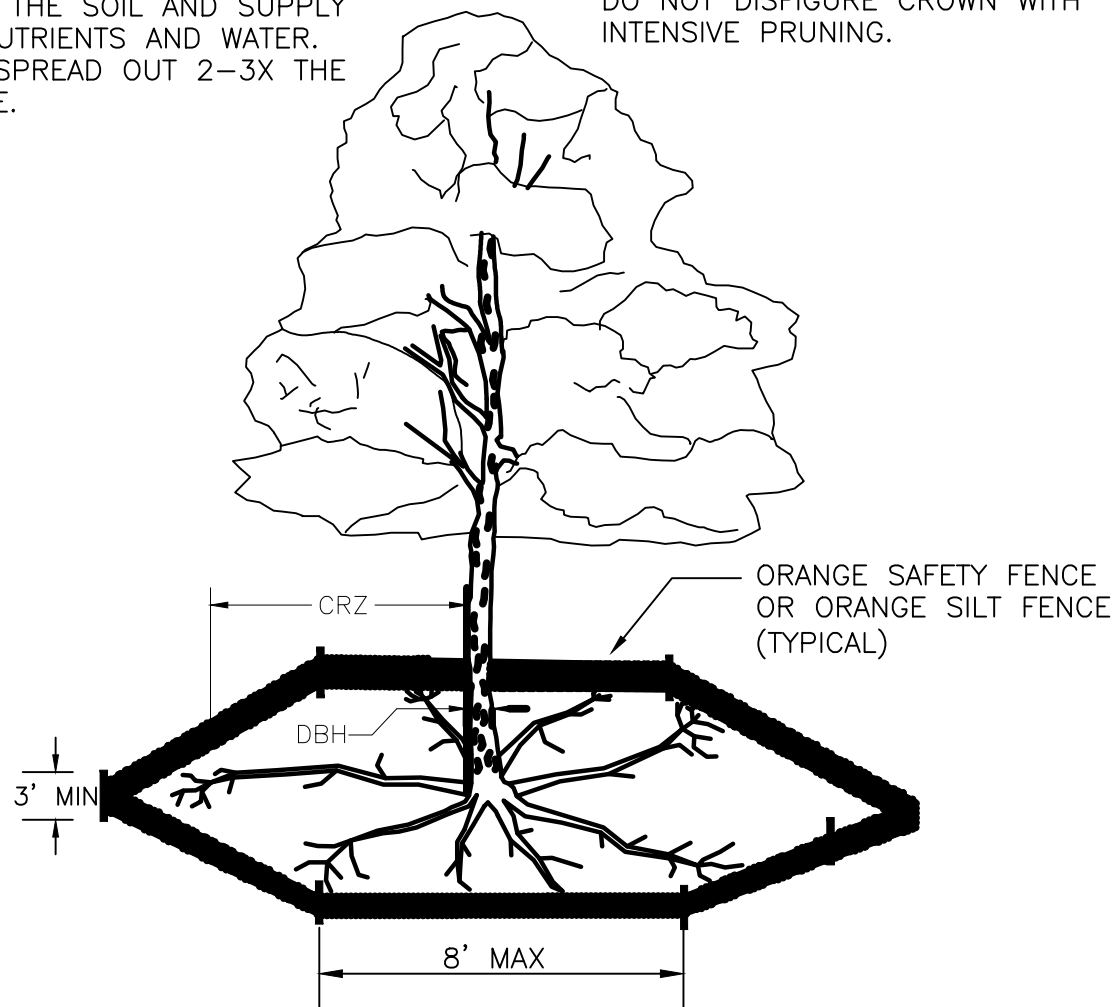


#### TREE PROTECTION DURING CONSTRUCTION

1. CLEARLY MARK THE TREES TO BE SAVED PRIOR TO CONSTRUCTION AND ERECT A PROTECTIVE BARRIER AT THE CRZ. TREE PROTECTION BARRIER SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
2. CRITICAL ROOT ZONE (CRZ) DISTANCE SHALL BE DETERMINED BY DIAMETER OF THE TREE AT BREAST HEIGHT.
3. DO NOT COMPACT SOIL BENEATH TREES. NO VEHICLE SHALL BE ALLOWED TO PARK UNDER TREES. NO HEAVY MATERIALS SHALL BE STORED BENEATH TREES. DAMAGING THE BARK WITH LAWNMOWERS, CONSTRUCTION EQUIPMENT, OR ANYTHING ELSE IS PROHIBITED. CUTTING OF LARGE STRUCTURAL ROOTS LOCATED NEAR THE BASE OF THE TRUNK IS PROHIBITED.
4. CUT AND FILL WITHIN DIAMETER OF TREE CROWN.
5. 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.

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.



#### NOTES:

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.

6

-

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



Public Services • Engineering Division

#### APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_



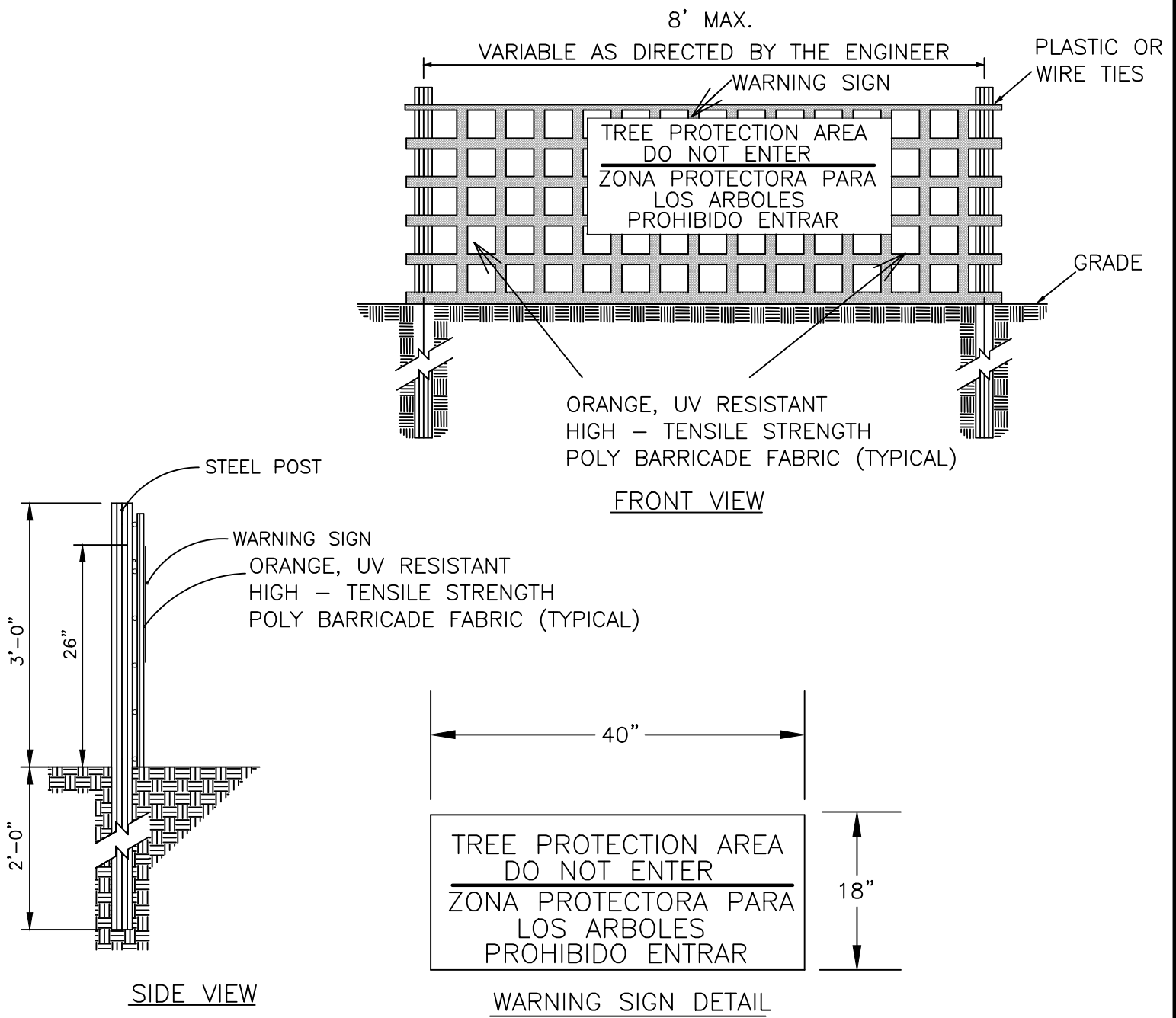
#### Approved Construction Plan

Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_

Traffic \_\_\_\_\_

Fire \_\_\_\_\_



#### 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.

JJCA

New Partial Hospitalization Center for:  
Wilmington Treatment Center  
Wilmington, NC

ACADIA  
HEALTHCARE



PROJECT NUMBER  
15678.01  
DATE  
October 19, 2016

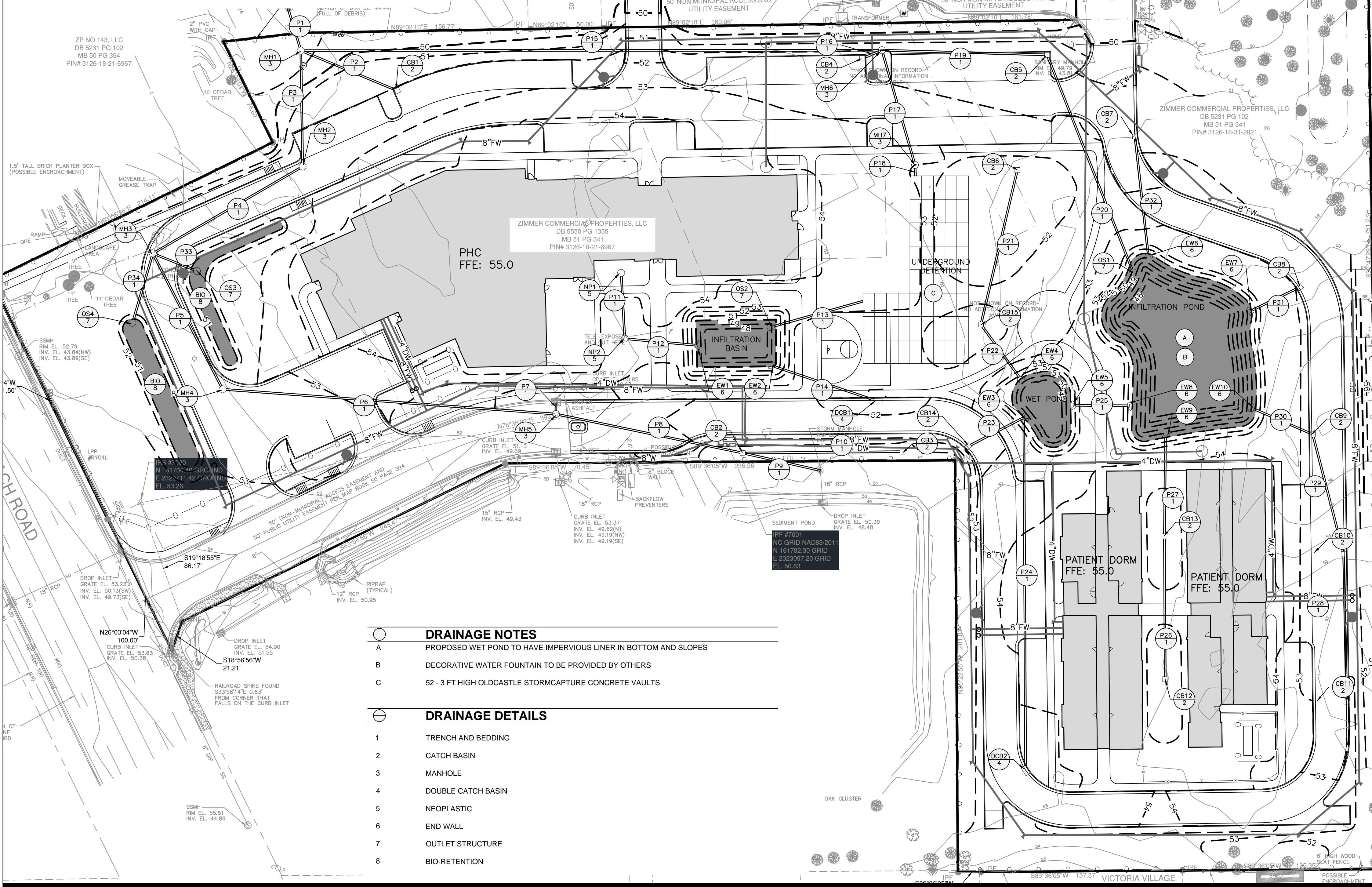
C310  
GRADING  
DETAILS



PIPE SCHEDULE						
PIPE	LENGTH (FT.)	SIZE (IN.)	TYPE	SLOPE (%)	Q.cap. (cfs)	NOTE
P1	30	24	RCP	0.50	-	-
P2	71	12	RCP	1.99	-	-
P3	79	24	RCP	0.52	-	-
P4	180	24	RCP	0.49	-	-
P5	104	18	RCP	0.58	-	-
P6	228	18	RCP	1.12	-	-
P7	8	12	RCP	11.62	-	-
P8	130	18	RCP	0.53	-	-
P9	54	18	RCP	0.54	-	-
P10	109	12	RCP	0.50	-	-
P11	45	15	RCP	0.49	-	-
P12	49	15	RCP	0.49	-	-
P13	65	18	RCP	2.51	-	-
P14	75	12	RCP	0.08	-	-
P15	396	15	RCP	0.50	-	-
P16	15	12	RCP	0.33	-	-
P17	81	15	RCP	0.47	-	-
P18	8	18	RCP	0.50	-	-
P19	113	12	RCP	0.48	-	-
P20	160	12	RCP	1.56	-	-
P21	108	18	RCP	0.49	-	-
P22	45	12	RCP	0.49	-	-
P23	43	12	RCP	0.49	-	-
P24	241	12	RCP	0.50	-	-
P25	37	24	RCP	0.50	-	-
P26	97	15	RCP	0.50	-	-
P27	68	15	RCP	0.67	-	-
P28	100	12	RCP	0.68	-	-
P29	81	12	RCP	0.66	-	-
P30	44	12	RCP	4.05	-	-
P31	37	12	RCP	0.82	-	-
P32	81	12	RCP	0.50	-	-
P33	32	12	RCP	0.50	-	-
P34	50	12	RCP	0.50	-	-



PIPE NUMBER  
DETAIL CALLOUT



- DRAINAGE NOTES**
- A PROPOSED WET POND TO HAVE IMPERVIOUS LINER IN BOTTOM AND SLOPES
  - B DECORATIVE WATER FOUNTAIN TO BE PROVIDED BY OTHERS
  - C 52'-3 FT HIGH OLDCASTLE STORMCAPTURE CONCRETE VAULTS

- DRAINAGE DETAILS**
- 1 TRENCH AND BEDDING
  - 2 CATCH BASIN
  - 3 MANHOLE
  - 4 DOUBLE CATCH BASIN
  - 5 NEOPLASTIC
  - 6 END WALL
  - 7 OUTLET STRUCTURE
  - 8 BIO-RETENTION

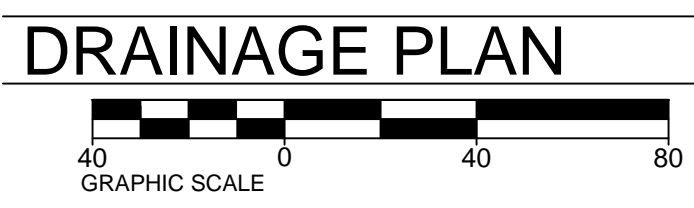
- GENERAL DRAINAGE NOTES**
- PRIOR TO INSTALLATION OF STORM OR SANITARY SEWER, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL CROSSINGS AND INFORM THE OWNER AND THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION. THE ENGINEER WILL BE HELD HARMLESS IN THE EVENT THE ENGINEER IS NOT NOTIFIED OF DESIGN CONFLICTS.
  - CONTRACTOR HAS THE OPTION TO BID THE FOLLOWING MATERIAL FOR THE STORM SEWER SYSTEM, EXCEPT WHERE OTHERWISE NOTED: RCP OR SIPP, AS INDICATED ON THIS PLAN, WHERE THE WORD PIPE IS USED. ALL PIPES SHALL HAVE A MAXIMUM ROUGHNESS COEFFICIENT ("N") OF .013 AND SHALL MEET OR EXCEED THE PIPE MANUFACTURERS REQUIREMENTS FOR MINIMUM AND MAXIMUM COVER. CONTRACTOR SHALL REFER TO THE SITE WORK SPECIFICATIONS SECTION FOR STORM SEWER SYSTEMS FOR ACCEPTABLE TYPE AND MATERIAL.
  - THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY LOCATIONS OF ANY UNDERGROUND UTILITIES. THE CONTRACTOR IS TO VERIFY LOCATION OF OVERHEAD UTILITIES. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
  - UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON OR WITHIN THE SPECIFICATIONS ALL STORM DRAIN PIPES ARE MEASURED FROM CENTER OF STRUCTURES AND ENDS OF FLARED END SECTIONS.
  - THE CONTRACTOR IS TO CONTROL TRAFFIC FLOW DURING TIME OF CONSTRUCTION. ANY AND ALL TRAFFIC CONTROL IMPLEMENTED DURING THIS PROJECT SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
  - ALL WORK WITHIN PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH CITY OF WILMINGTON/NEW HANOVER COUNTY.
  - THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS, AND PAY ALL PERMIT FEES. THE CONTRACTOR SHALL CONFORM TO ALL STATE AND LOCAL CODES AND ORDINANCES AND RECEIVE APPROPRIATE APPROVALS WHERE REQUIRED PRIOR TO COMMENCEMENT OF THE WORK.
  - ALL NEW STRUCTURES SHALL HAVE ANY SEDIMENT REMOVED PRIOR TO ACCEPTANCE.
  - CONTOUR LINES AND SPOT ELEVATIONS ARE THE RESULT OF A DETAILED ENGINEERING DESIGN AND REFLECT A PLANNED INTENT WITH REGARD TO EARTHWORK AND DRAINAGE. SHOULD CONTRACTOR HAVE QUESTIONS WITH THIS INTENT, HE SHALL CONTACT THE ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
  - ADJUST ALL CASTINGS TO MATCH FINISH GRADES.



STRUCTURE TYPE AND NUMBER  
DETAIL CALLOUT

STORM DRAINAGE STRUCTURES			
STRUCTURE	RIM ELEV.	INVERT ELEV.	NOTE
CB1	52.50	44.59	-
CB2	50.50	48.05	-
CB3	50.50	48.59	-
CB4	51.90	46.63	-
CB5	51.25	47.12	-
CB6	51.25	49.75	-
CB7	51.50	49.50	-
CB8	52.50	50.50	-
CB9	52.50	50.50	-
CB10	52.50	50.50	-
CB11	52.50	50.50	-
CB12	53.00	49.82	-
CB13	53.00	49.34	-
CB14	52.50	49.21	-
MH1	48.75	44.59	-
MH2	45.00	45.00	-
MH3	45.58	45.58	-
MH4	46.18	46.18	-
MH5	51.03	48.74	MATCH EXISTING GRADE
MH6	53.50	46.58	-
MH7	53.50	46.96	-
MH8	51.50	49.22	-
DCB1	51.50	49.00	-
DCB2	53.00	50.20	-
NP1	53.90	48.78	-
NP2	53.00	48.56	-
EW1	-	48.62	-
EW2	-	48.62	-
EW3	-	49.00	-
EW4	-	49.00	-
EW5	-	49.00	-
EW6	-	49.00	-
EW7	-	49.00	-
EW8	-	49.00	-
EW9	-	49.00	-
EW10	-	49.00	-
OS1	51.25	47.92	-
OS2	52.25	48.63	-
OS3	51.75	48.00	-
OS4	51.75	48.00	-

- LEGEND: DRAINAGE**
- PROPOSED CATCHBASIN
  - PROPOSED MANHOLE
  - PROPOSED STORM LINE
  - PROPOSED CLEANOUT
  - JUNCTION BOX



JJCA

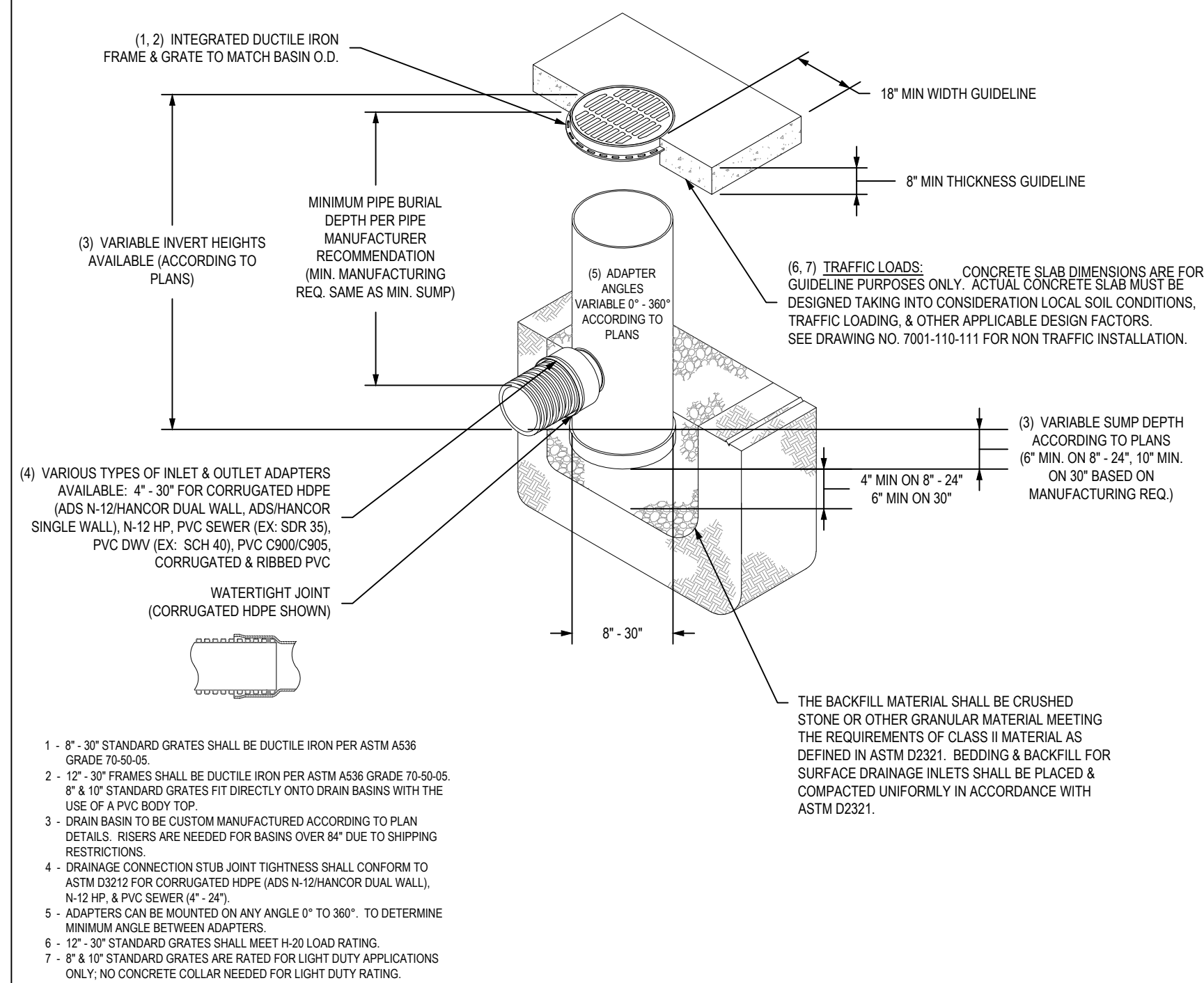
New Partial Hospitalization Center for:  
Wilmington Treatment Center  
Wilmington, NC



PROJECT NUMBER  
15678.01  
DATE  
October 19, 2016

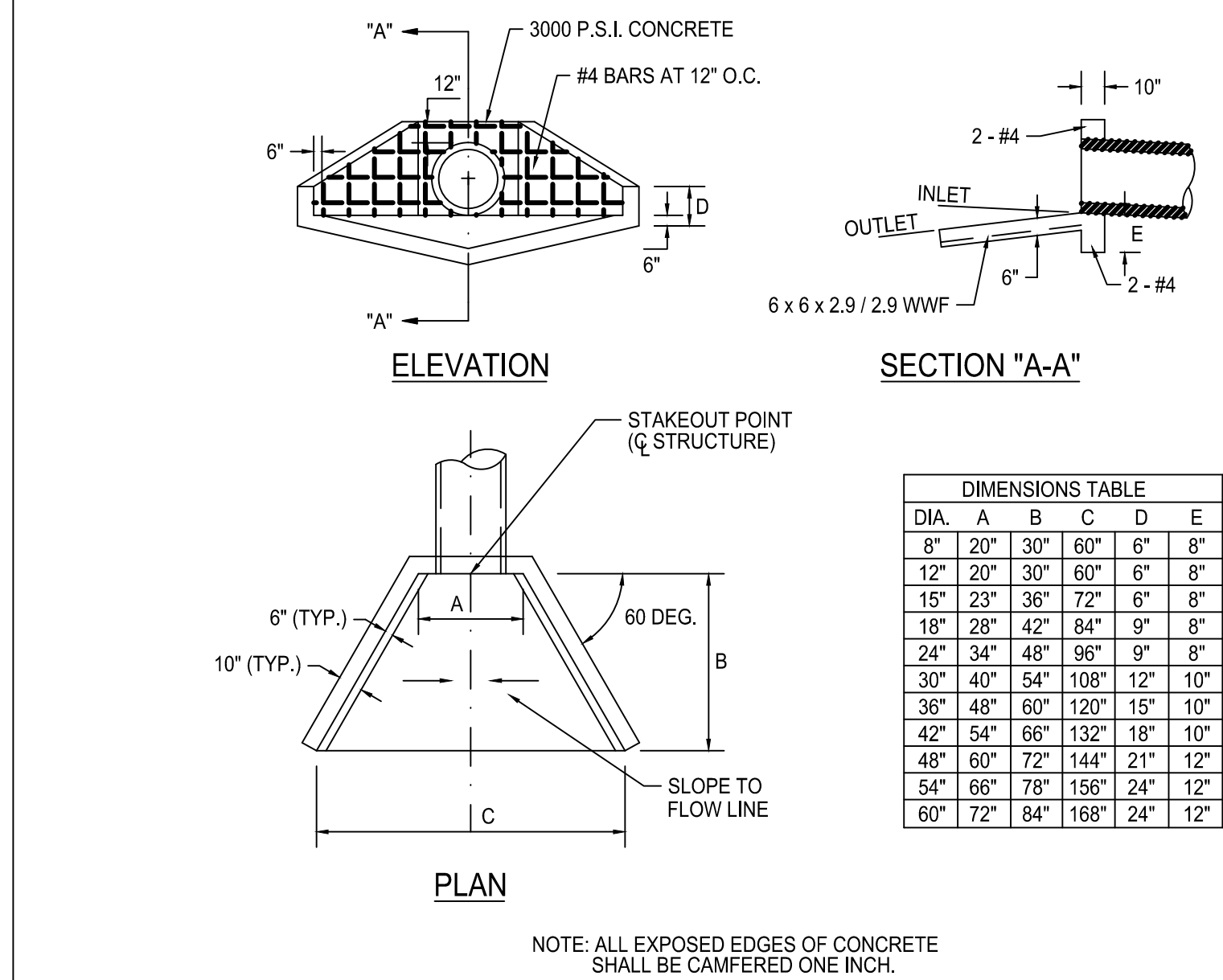
C402  
DRAINAGE  
PLAN





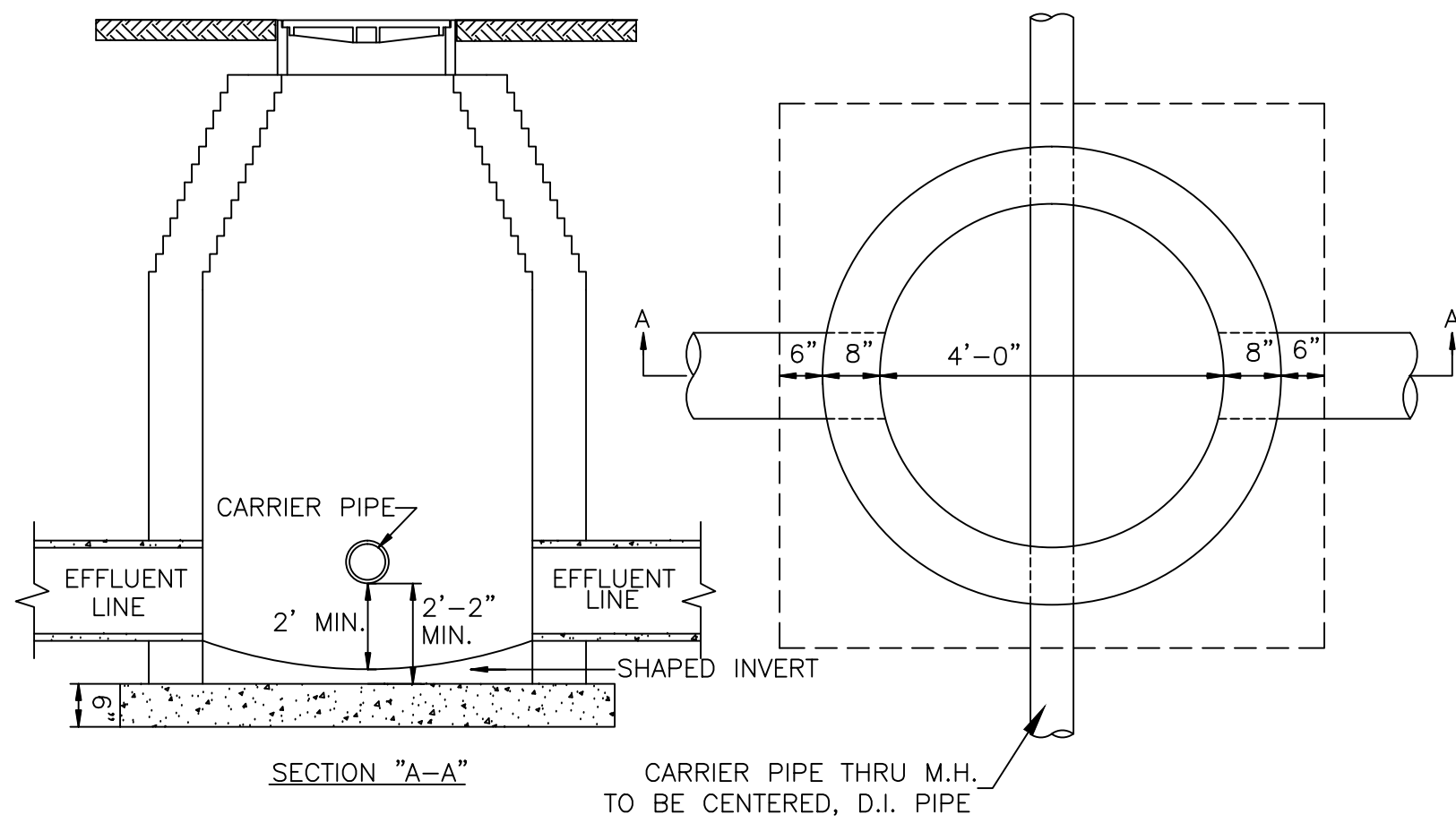
NP  
5

NYLOPLAST DRAIN BASIN WITH GRATE  
(NOT TO SCALE)



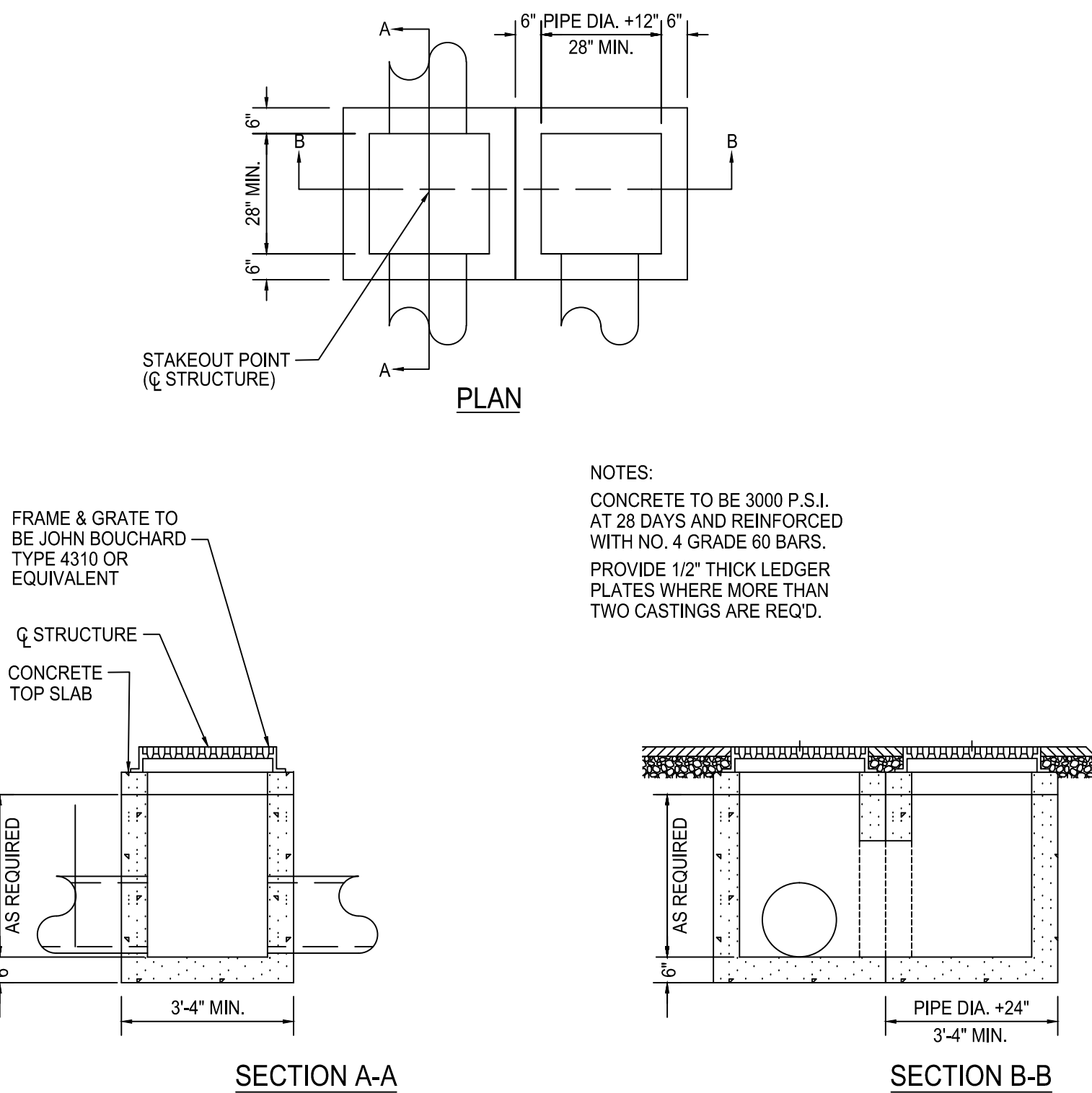
EW  
6

WINGED ENDWALL/HEADWALL  
(NOT TO SCALE)



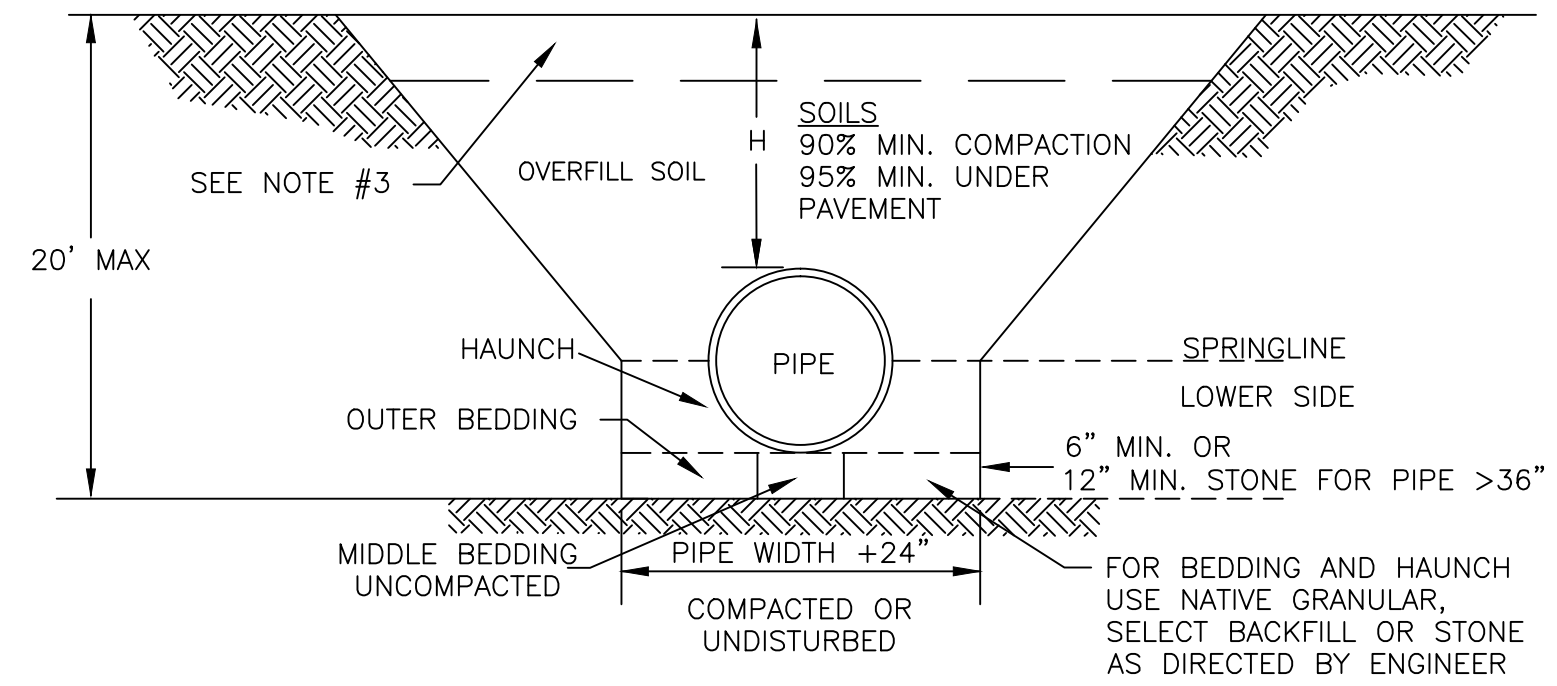
MH  
3

MANHOLE  
(NOT TO SCALE)



DCB  
4

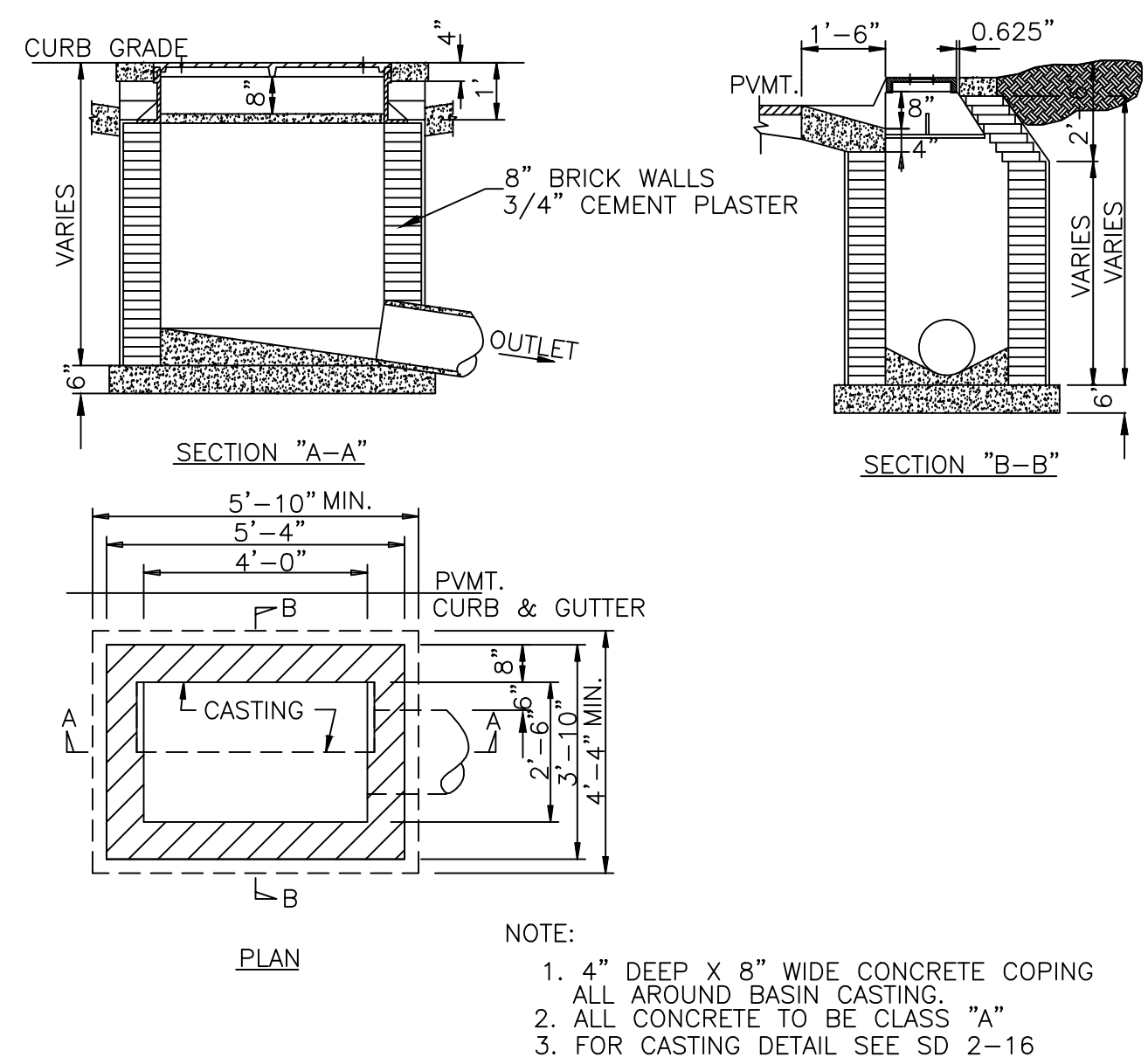
CATCH BASIN-2 SINGLE PRECAST AREA INLETS  
(NOT TO SCALE)



- NOTES:
1. CONTRACTOR SHALL ENSURE BOTTOM OF TRENCH IS SUITABLE FOR PIPE INSTALLATION AND DOES NOT REQUIRE FOUNDATION CONDITIONING STONE.
  2. CONTRACTOR TO INSTALL BEDDING AND PIPE BEFORE INSTALLING HAUNCH AND THEN OVERFILL. SOILS SHALL BE INSTALLED IN 6\"-8\" LIFTS AND COMPACTED TO MIN. % DENSITY AS DETERMINED BY THE STANDARD PROCTOR ASTM D-698-A METHOD.
  3. WHERE IN PAVEMENT, CONTRACTOR SHALL ADHERE TO CITY STREET CUT POLICY AND SD 1-04 OR SD 1-05 FOR ROAD AND PAVEMENT REBUILD.
  4. SOIL SHALL BE COMPACTED BY A MECHANIZED TAMP (I.E. JUMPING JACK). HOWEVER, VIBRATORY ROLLERS > 18\" WIDTH MAY BE USED FOR LARGER EXCAVATIONS. THE PLATE TAMP METHOD SHALL NOT BE USED.
  5. THIS DETAIL IS REPRESENTATIVE AND PIPE TRENCH DESIGN IS SUBJECT TO SPECIFIC SOIL CATEGORY (I, II, III), AND INSTALLATION TYPE (1, 2, 3, 4), AS DIRECTED BY THE ENGINEER AND SITE CONDITIONS.

TB  
1

TRENCH AND BEDDING  
(NOT TO SCALE)



CB  
2

CATCH BASIN  
(NOT TO SCALE)

JJC A

New Partial Hospitalization Center for:  
Wilmington Treatment Center  
Wilmington, NC

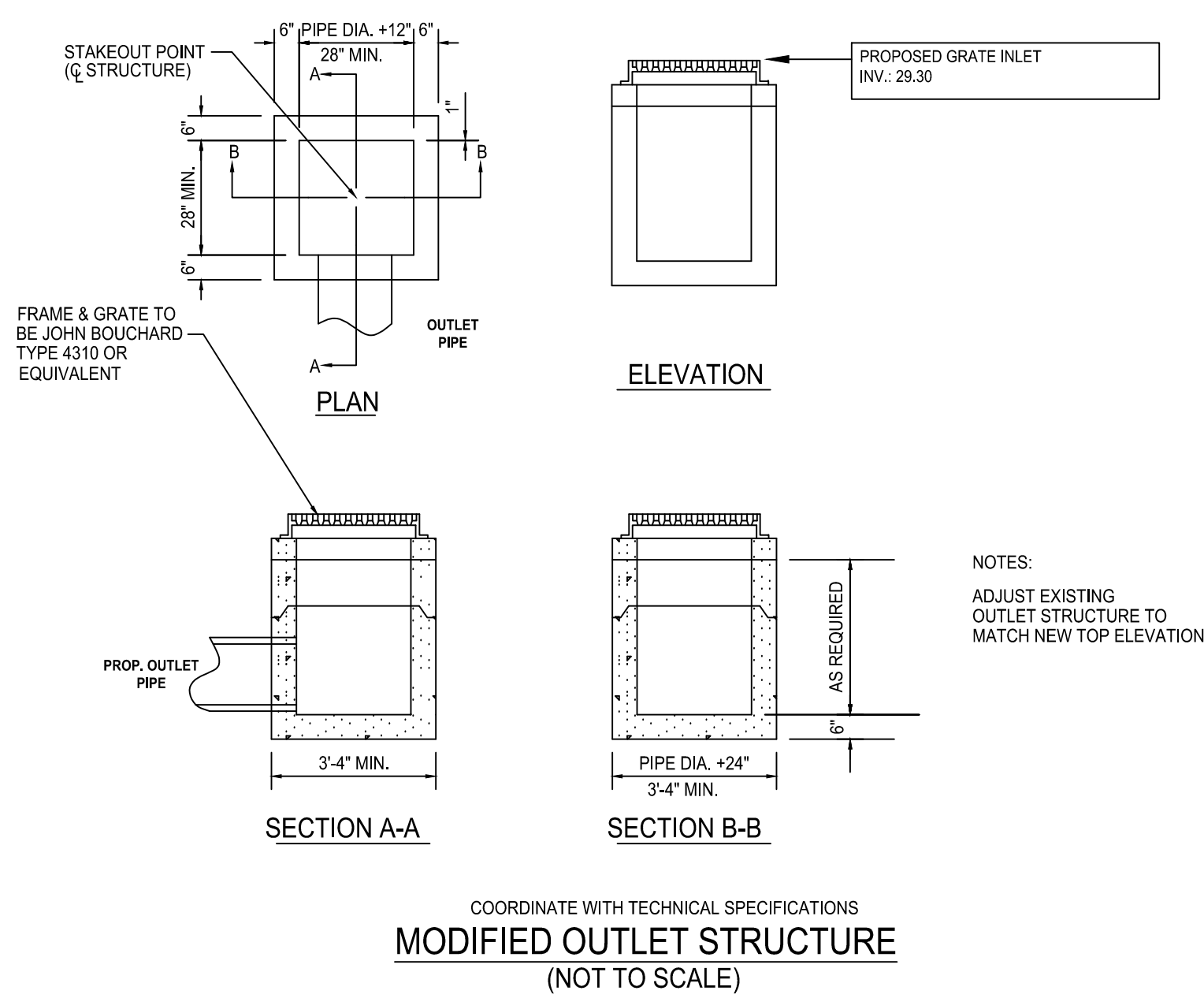
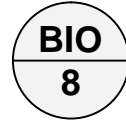
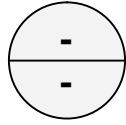
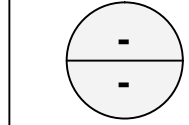
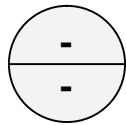
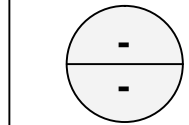
ACADIA  
HEALTHCARE

INGRAM CIVIL  
ENGINEERING  
GROUP, LLC  
240 WILSON FINE CIRCLE, STE. 200  
BRENTWOOD, TENNESSEE 37027  
615.370.7964 OFFICE  
615.370.1273 FAX  
STATE OF NORTH CAROLINA  
PROFESSIONAL ENGINEER  
LICENSE # 0227243  
CURTIS P. INGRAM

PROJECT NUMBER  
15678.01  
DATE  
October 19, 2016

C410  
DRAINAGE  
DETAILS



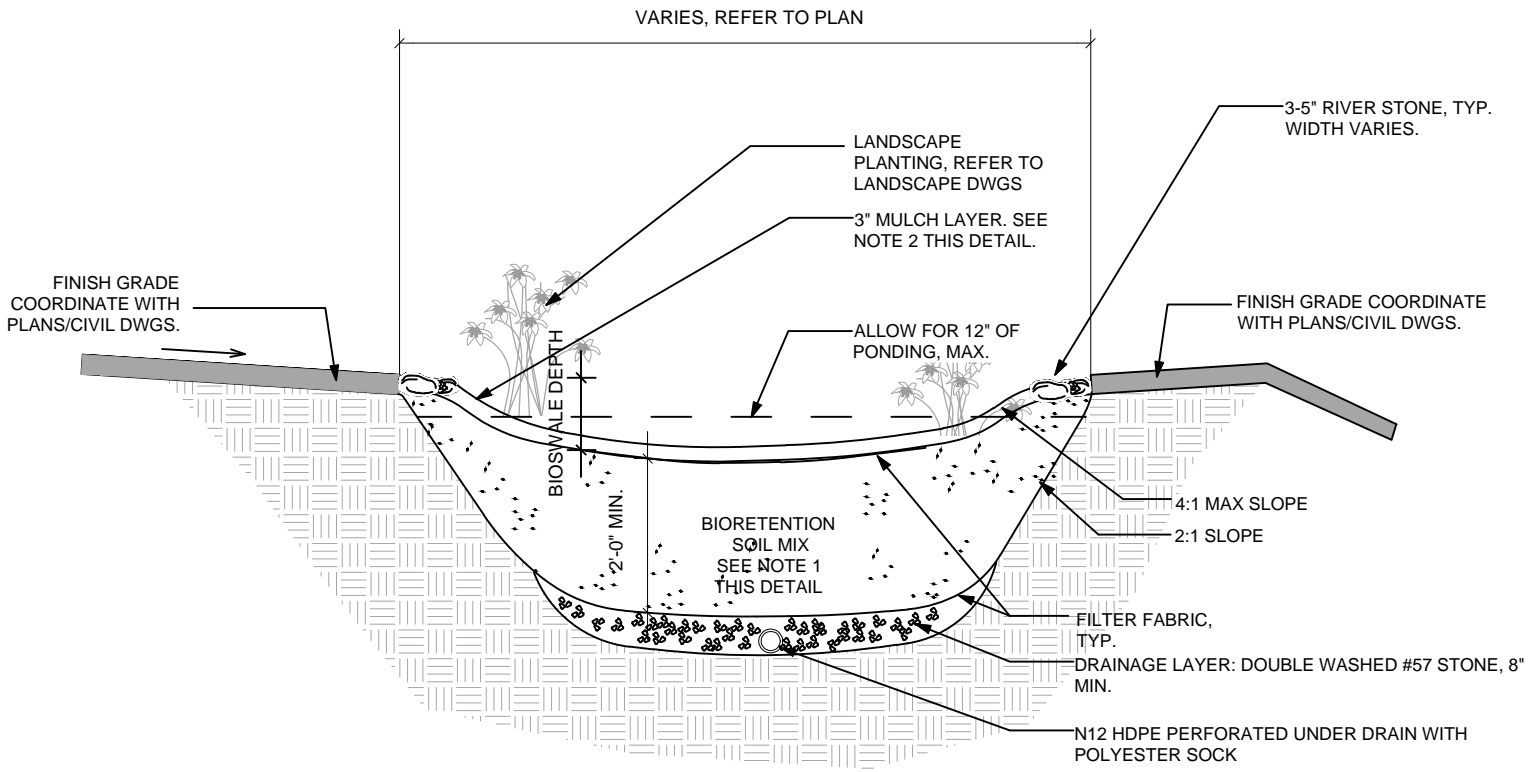


NOTE 1: CHARACTERISTICS OF BIORETENTION SOIL MIX ARE AS FOLLOWS. THE PLANTING SOIL MUST BE SANDY LOAM, LOAMY SAND OR LOAM TEXTURE PER USDA TEXTURAL TRIANGLE:

- a. FERTILE, FRIABLE NATURALLY OCCURRING TOPSOIL, FREE OF STONES, SUBSOIL, CLAY LUMPS, HARDPAN, ROOTS, STUMPS, BRANCHES, STICKS AND OTHER DEBRIS LARGER THAN TWO INCHES IN DIAMETER IN ANY DIMENSION; FREE OF NOXIOUS WEEDS, GRASSES, SEEDS, PLANTS, EXTRANEEOUS MATTER AND ANY SUBSTANCE HARMFUL TO PLANT GROWTH.
- b. ORGANIC MATTER 3% TO 5%
- c. SAND 85% TO 88%
- d. FINES 8% TO 12%
- e. P-INDEX 10 TO 30

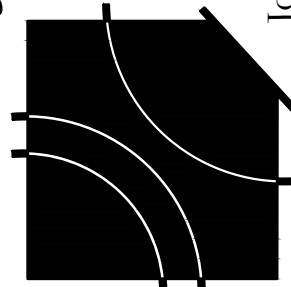
THE SOIL MIX SHOULD HAVE AN INFILTRATION RATE BETWEEN 0.52 AND 6 INCHES PER HOUR (1-2 INCHES PER HOUR PREFERRED). THE CONTRACTOR SHOULD HAVE A SOIL TEST PERFORMED PRIOR TO INSTALLING PLANT MATERIAL TO ENSURE THE MINIMUM INFILTRATION RATE.

NOTE 2: 100% SHREDDED HARDWOOD OR PINE STRAW, FREE FROM WOOD, WOOD SHAVINGS, CAMBIUM, SAWDUST, LEAVES, TWIGS, INSECTS, GRASSES, WEEDS, PLANTS AND THEIR SEEDS, OTHER FOREIGN MATERIAL AND ANY OTHER SUBSTANCE HARMFUL TO PLANT GROWTH.



BIO-RETENTION SECTION  
(NOT TO SCALE)

JJCA



New Partial Hospitalization Center for:  
Wilmington Treatment Center  
Wilmington, NC

Johnson Johnson  
Crabtree Architects P.C.  
4551 Trousdale Drive  
Nashville, TN 37204  
tel 615.837.0656  
fax 615.837.0657

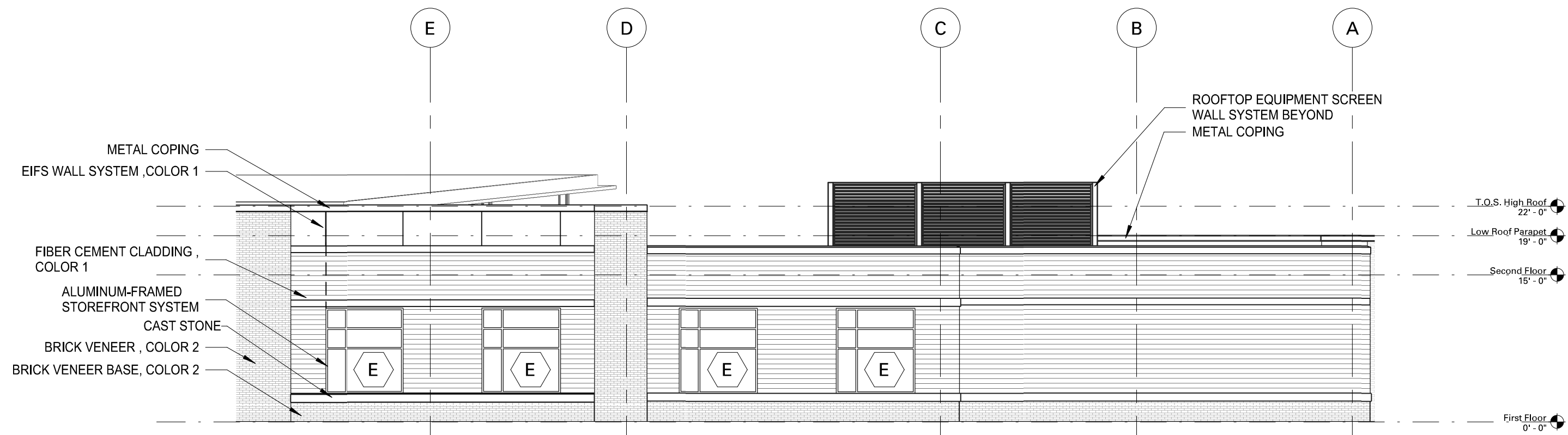
ACADIA  
HEALTHCARE

INGRAM CIVIL  
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CURTIS P. INGRAM

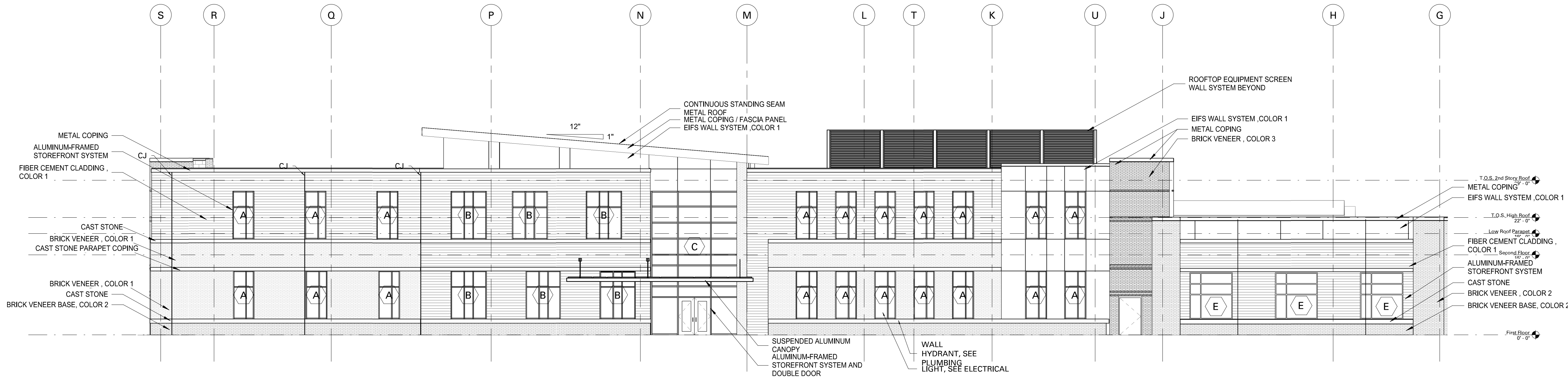
PROJECT NUMBER  
15678.01  
DATE  
October 19, 2016

C411  
DRAINAGE  
DETAILS

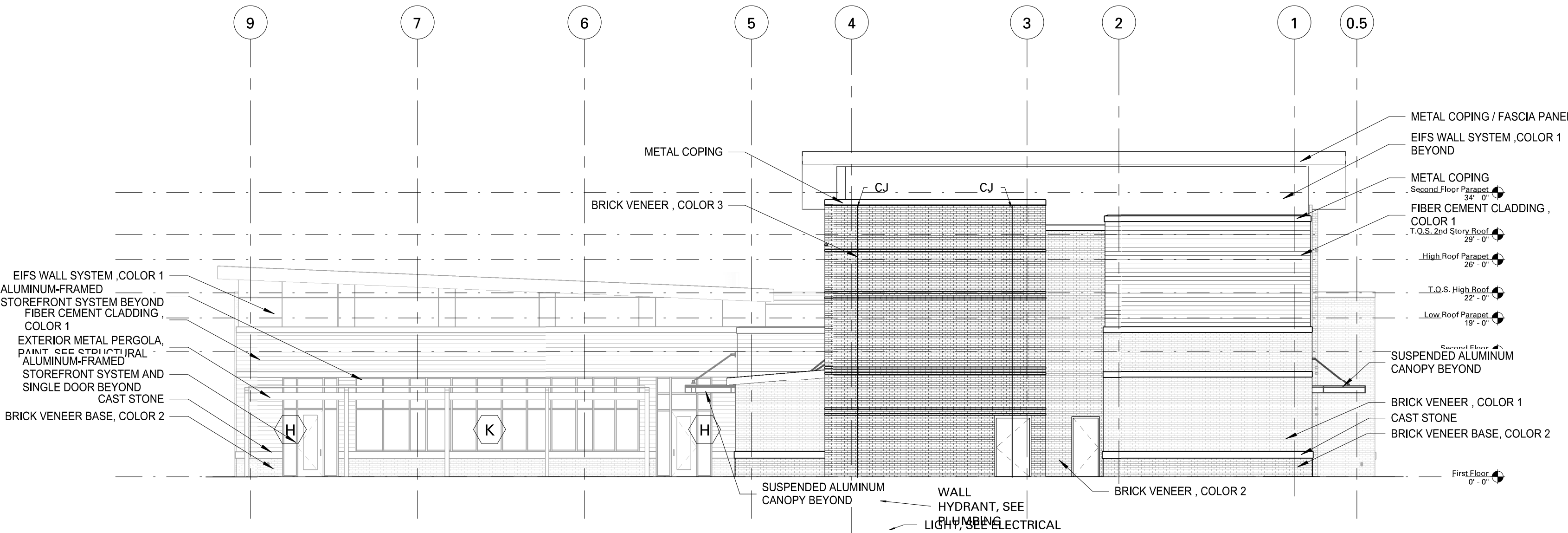




1 NORTH ELEVATION - PART A  
A1.1A-d SCALE: 3/32" = 1' - 0"



2 NORTH ELEVATION - PART B  
A1.1A-d SCALE: 3/32" = 1' - 0"



3 EAST ELEVATION  
A1.1B-d SCALE: 3/32" = 1' - 0"

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



Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: Permit #

Signed:



Approved Construction Plan

Name Date

Planning

Traffic

Fire

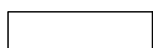
### MATERIAL LEGEND:



BRICK COLOR #1



EIFS COLOR #1



EIFS COLOR #3



BRICK COLOR #2

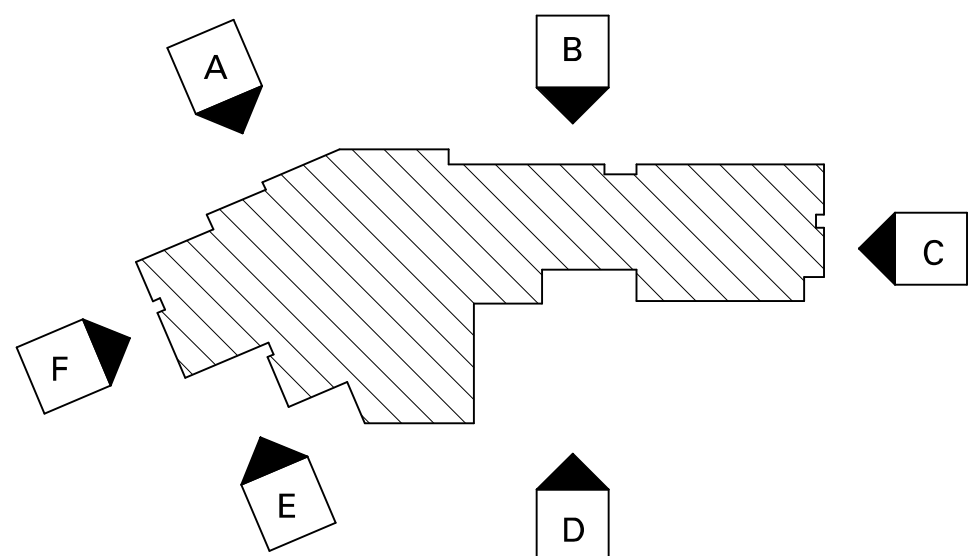


EIFS COLOR #2



BRICK COLOR #3

### KEYPLAN PART A AND B:



JJCA



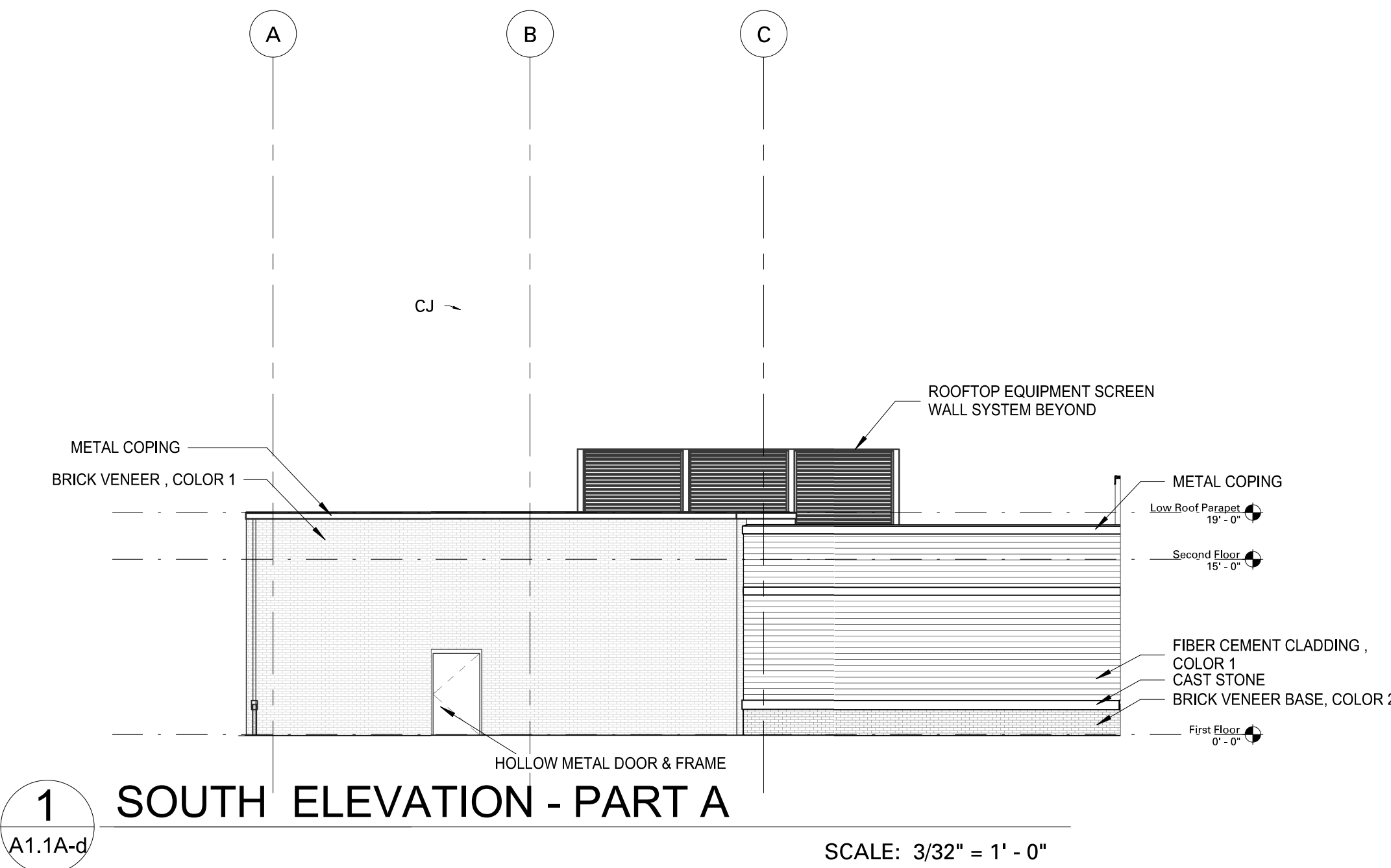
New Partial Hospitalization Center for:  
**Wilmington Treatment Center**  
Wilmington, NC

PROJECT NUMBER  
15678.01

DATE  
October 19, 2016

**A2.1**  
BUILDING  
ELEVATIONS





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

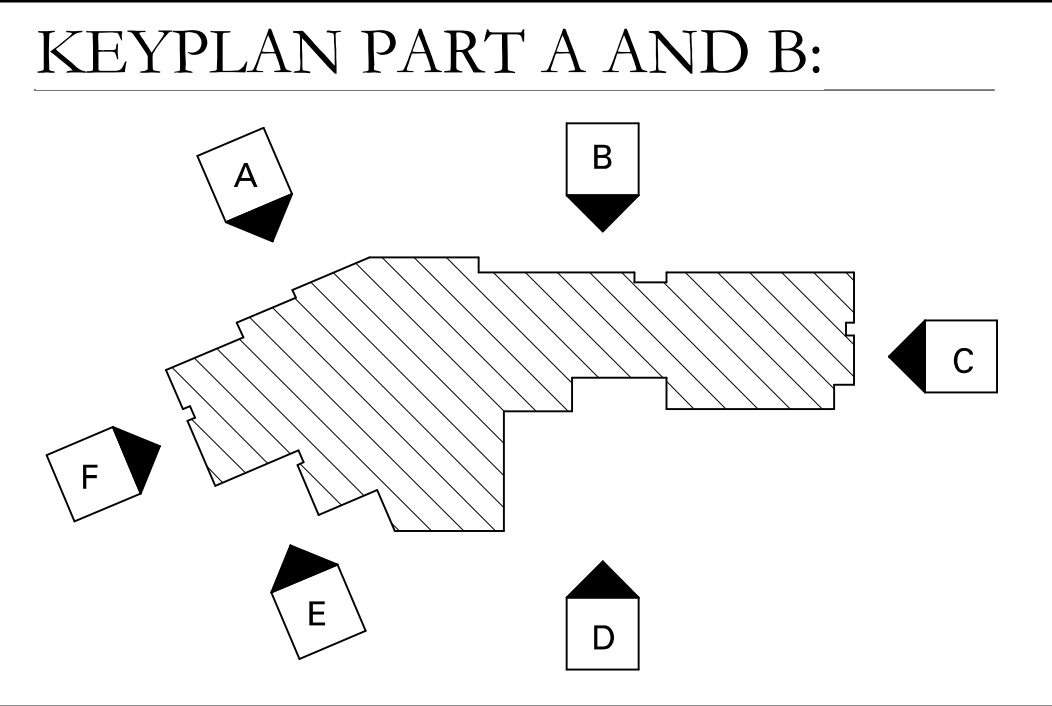
**CITY OF WILMINGTON**  
NORTH CAROLINA  
Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_

**MATERIAL LEGEND:**

BRICK COLOR #1	EIFS COLOR #1	EIFS COLOR #3
BRICK COLOR #2	EIFS COLOR #2	
BRICK COLOR #3		



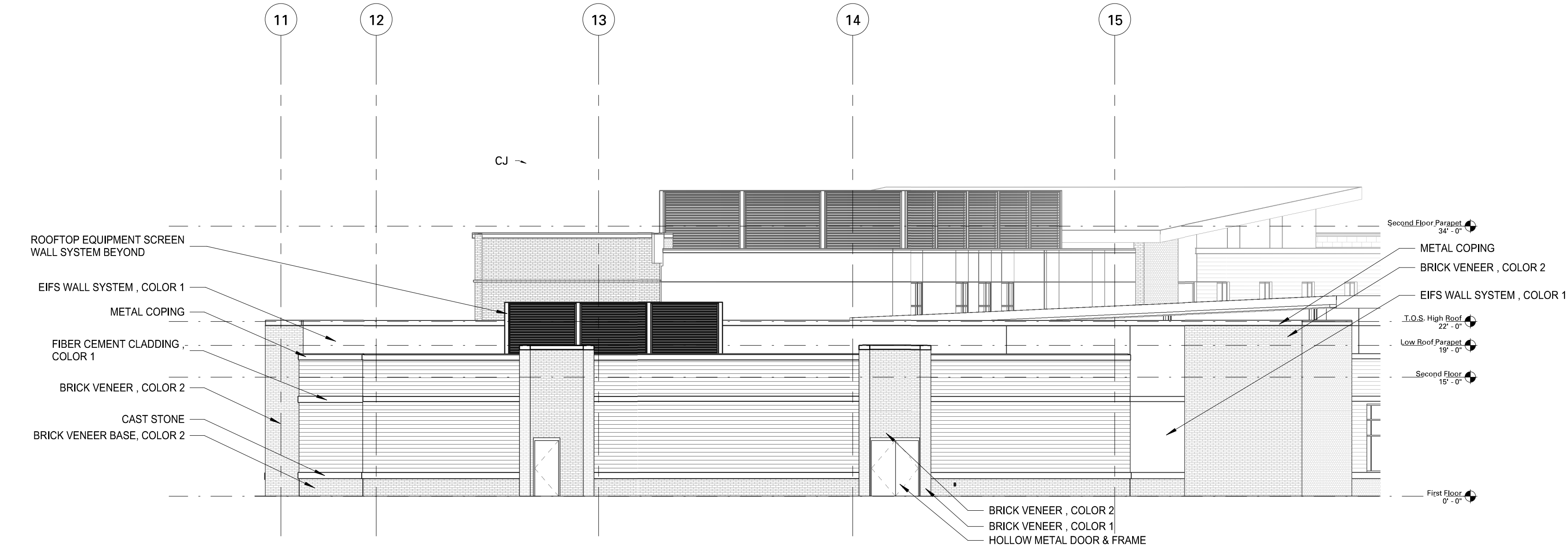
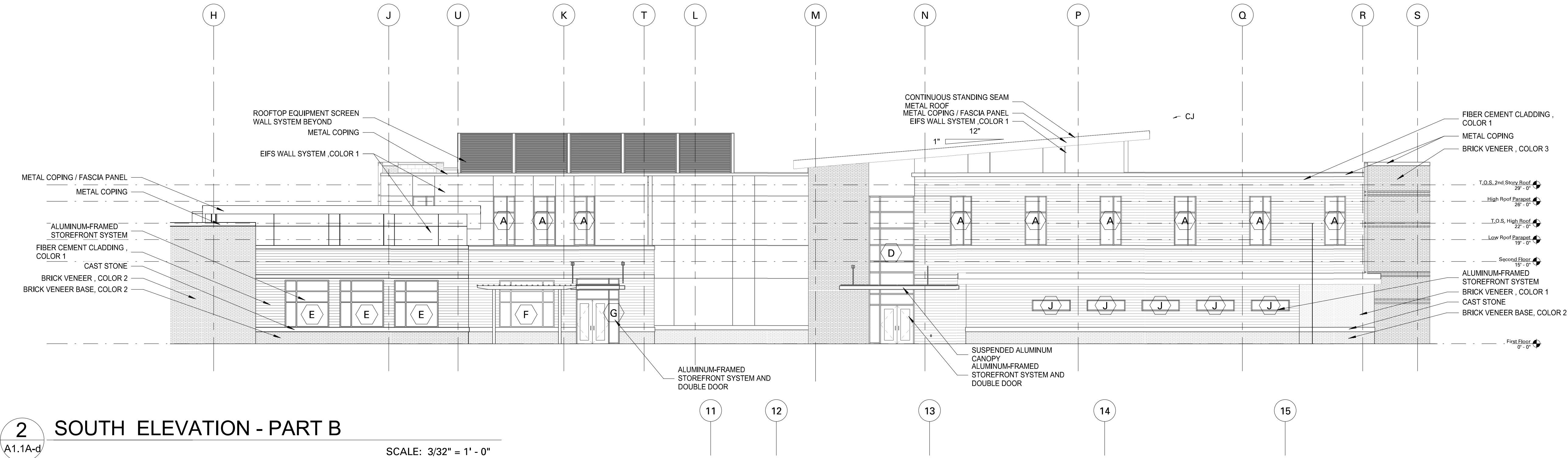
**CITY OF WILMINGTON**  
NORTH CAROLINA  
Approved Construction Plan

Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_

Traffic \_\_\_\_\_

Fire \_\_\_\_\_



JJCA

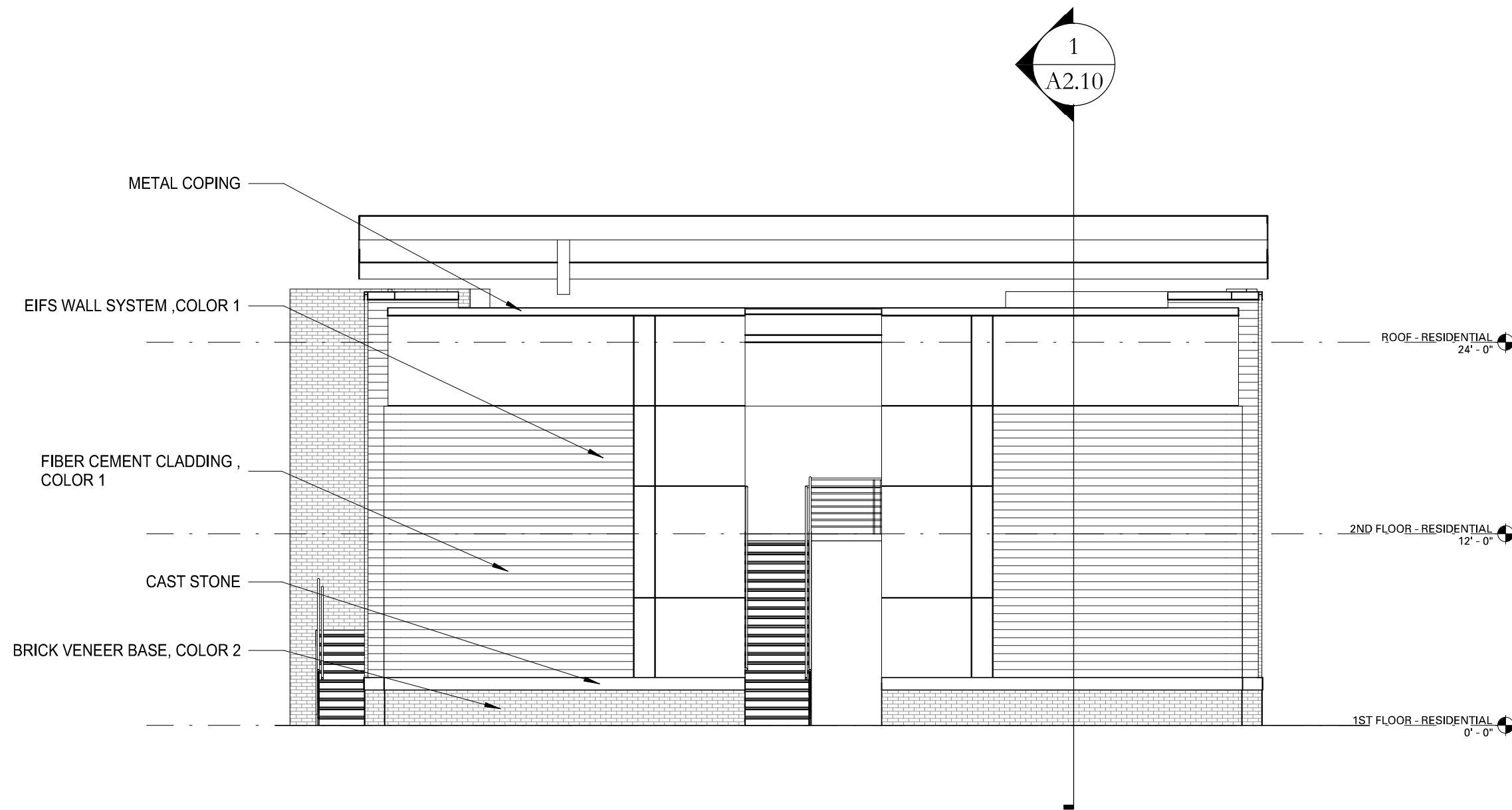


New Partial Hospitalization Center for:  
**Wilmington Treatment Center**  
Wilmington, NC

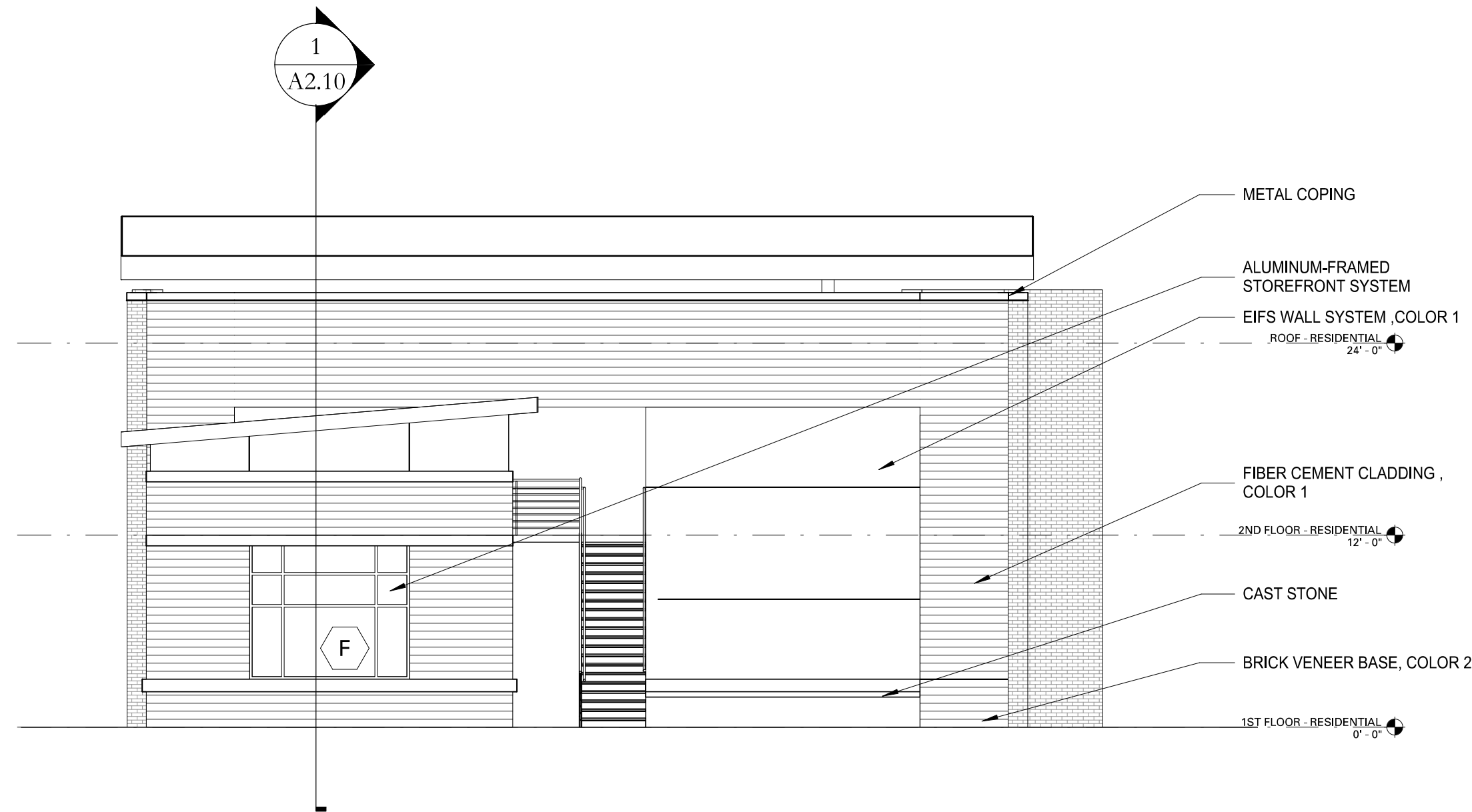
PROJECT NUMBER  
**15678.01**  
DATE  
**October 19, 2016**

**A2.2**  
BUILDING  
ELEVATIONS

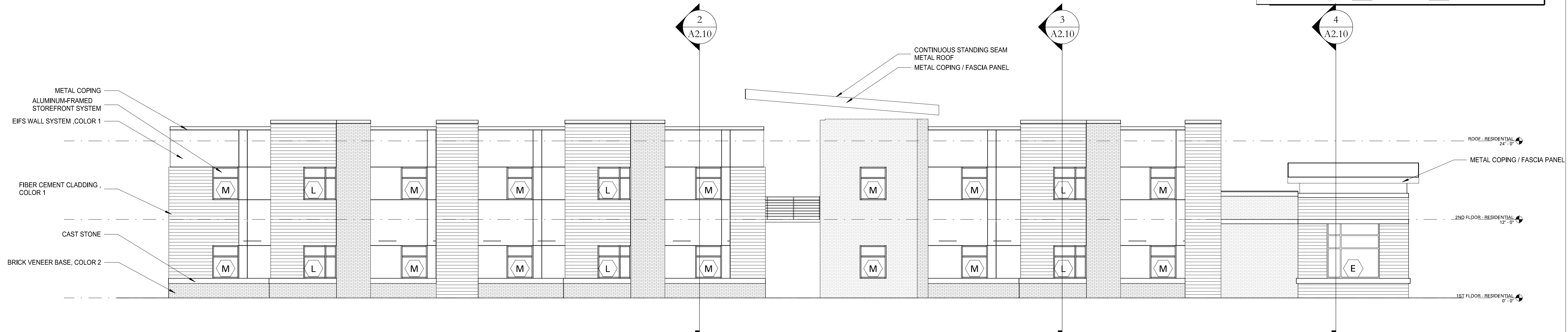




2 BLDG ELEVATION SOUTH (or) NORTH  
A1.1-n



4 BLDG ELEVATION NORTH (or) SOUTH  
A1.1-n



1 BLDG ELEVATION EAST (or) WEST  
A1.1-n

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

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

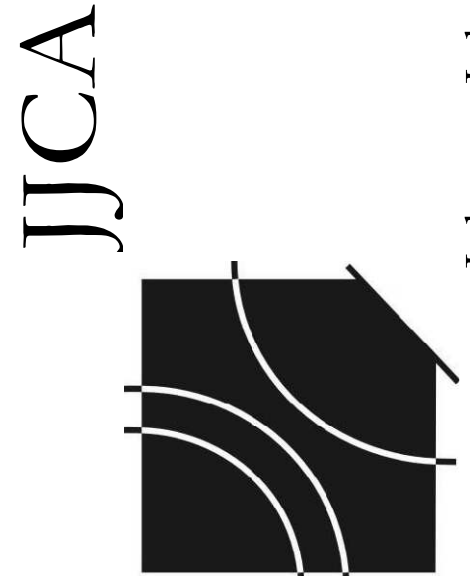
**CITY OF WILMINGTON**  
NORTH CAROLINA  
Approved Construction Plan  
Name \_\_\_\_\_ Date \_\_\_\_\_  
Planning \_\_\_\_\_  
Traffic \_\_\_\_\_  
Fire \_\_\_\_\_

3 BLDG ELEVATION WEST (or) EAST  
A1.1-n

**MATERIAL LEGEND:**

BRICK COLOR #1	EIFS COLOR #1	EIFS COLOR #3
BRICK COLOR #2	EIFS COLOR #2	
BRICK COLOR #3		

**KEYPLAN PART C:**

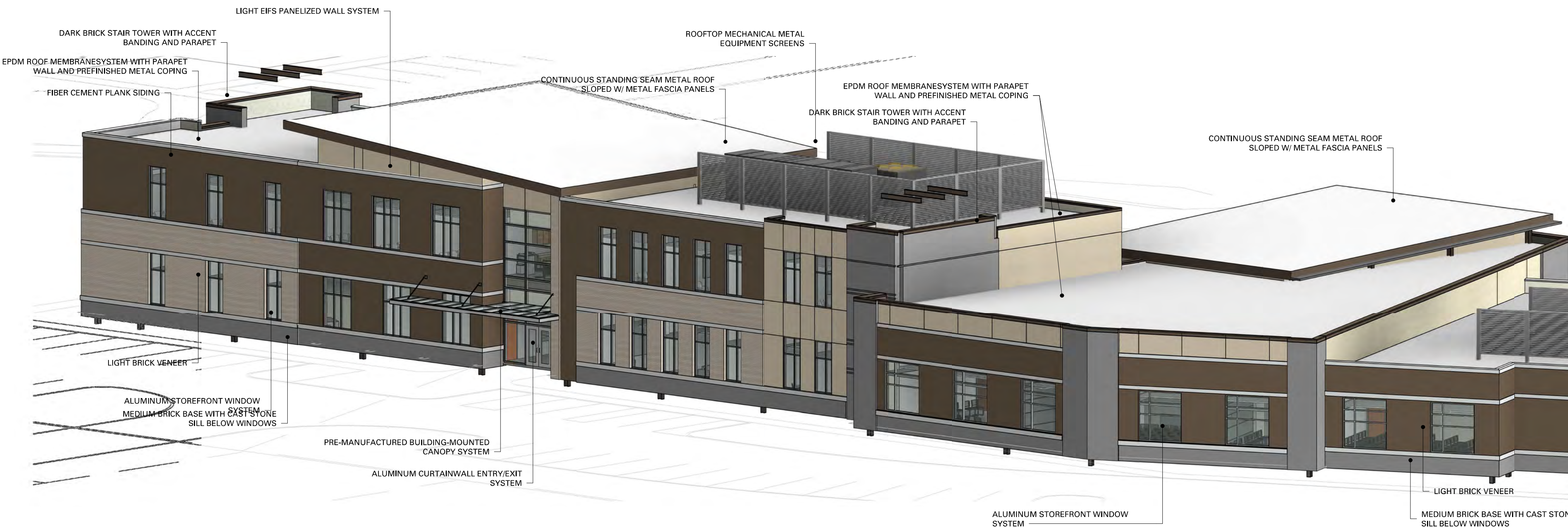


New Patient Dormitories for:  
**Wilmington Treatment Center**  
Wilmington, NC

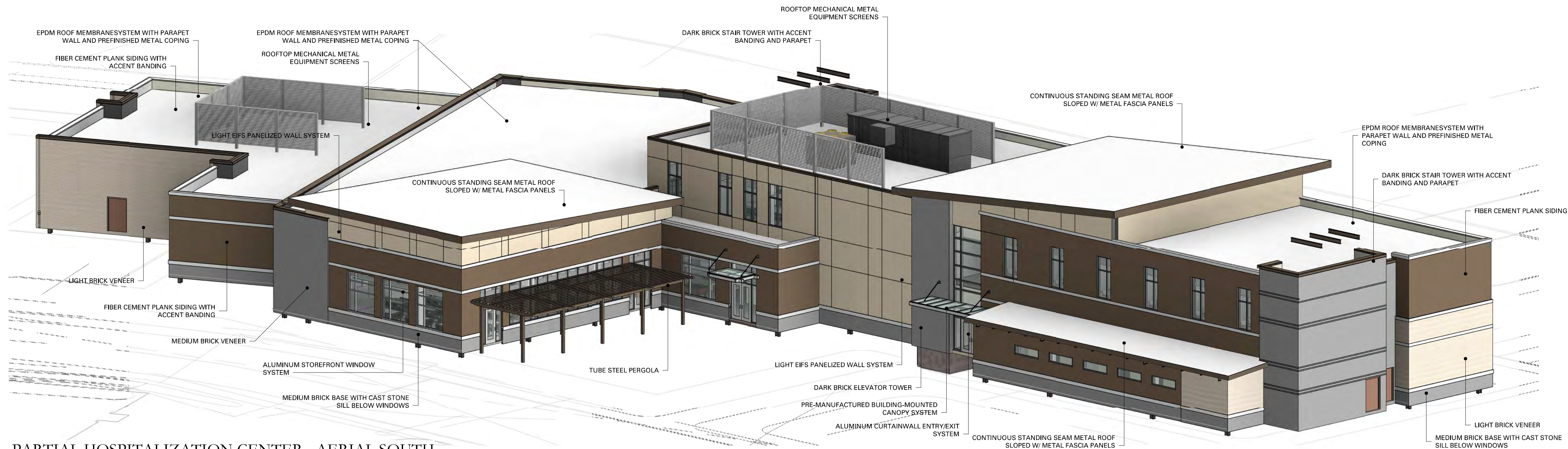
PROJECT NUMBER  
**15678.01**  
DATE  
**October 19, 2016**

**A2.3**  
BUILDING  
ELEVATIONS





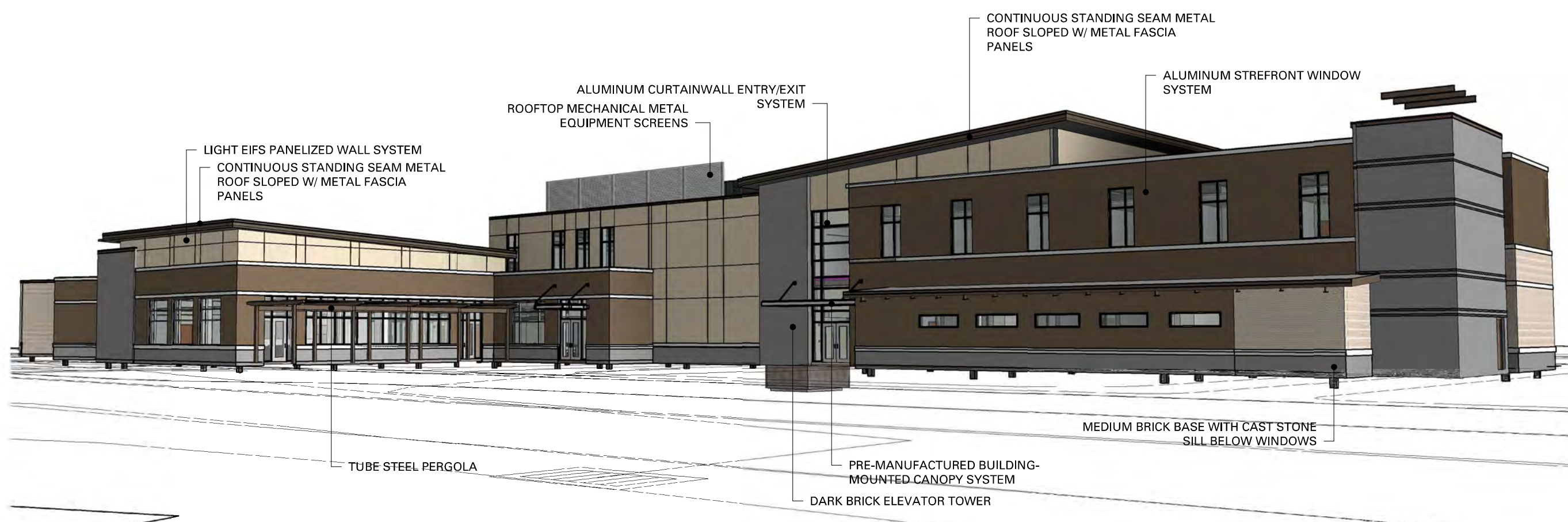
PARTIAL HOSPITALIZATION CENTER - AERIAL NORTH



PARTIAL HOSPITALIZATION CENTER - AERIAL SOUTH



PARTIAL HOSPITALIZATION CENTER - NORTH PERSPECTIVE



PARTIAL HOSPITALIZATION CENTER - SOUTH PERSPECTIVE

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**CITY OF WILMINGTON**  
NORTH CAROLINA

Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date:                      Permit #                     

Signed:                     

**CITY OF WILMINGTON**  
NORTH CAROLINA

Approved Construction Plan

Name:                      Date:                     

Planning:                     

Fire:                     

JJCA



New Partial Hospitalization Center for:  
**Wilmington Treatment Center**  
Wilmington, NC

Johnson Johnson Architects, Inc.  
4551 Trousdale Drive  
Nashville, TN 37204  
tel 615.837.0656  
fax 615.837.0657

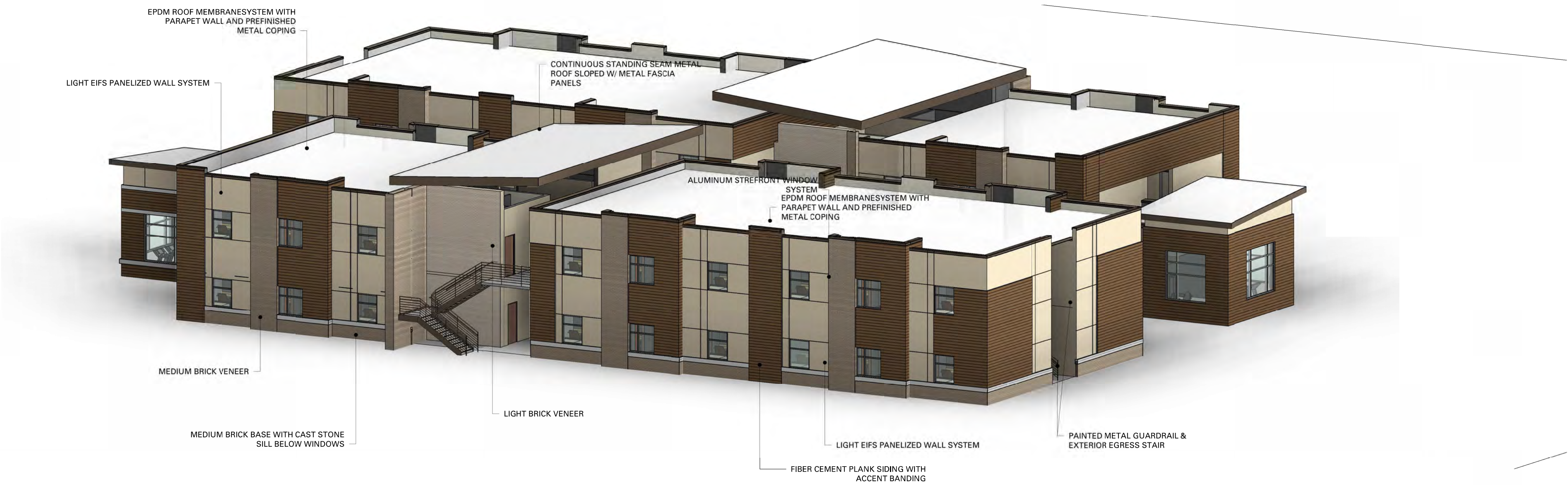
PROJECT NUMBER  
**15678.01**  
DATE  
**October 19, 2016**

**A2.20**  
EXTERIOR  
BUILDING AXONS

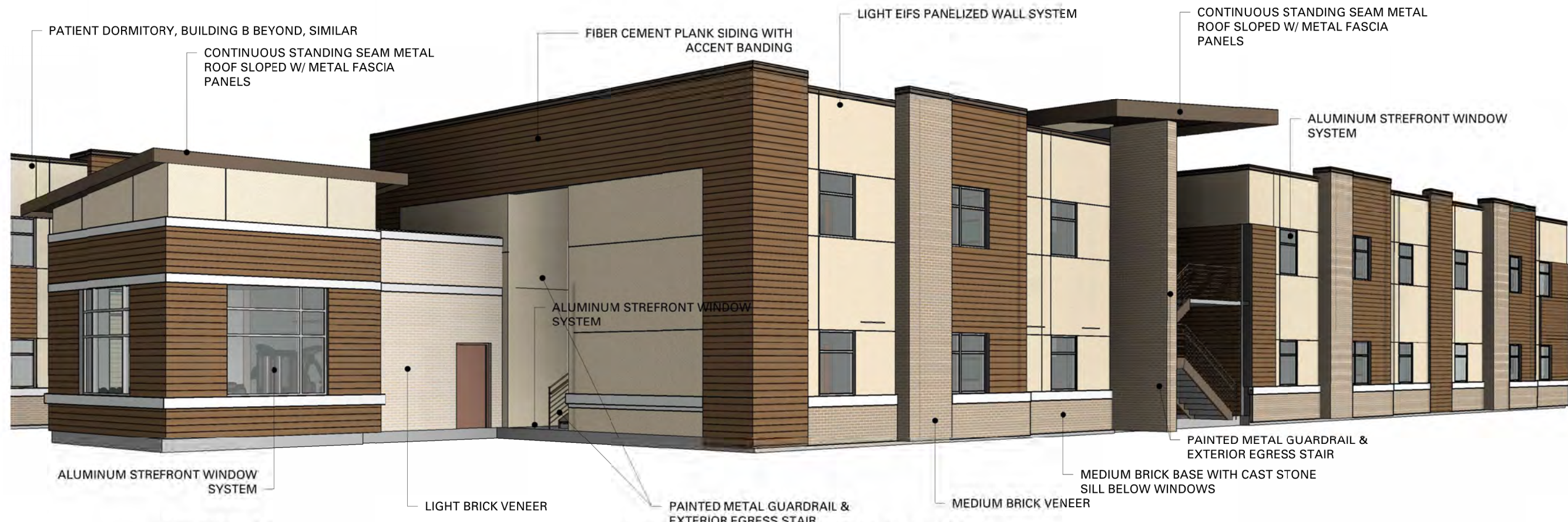




TYPICAL RESIDENTIAL UNIT - AERIAL NORTHWEST



TYPICAL RESIDENTIAL UNIT - AERIAL SOUTHWEST



TYPICAL RESIDENTIAL UNIT - NORTHWEST PERSPECTIVE



TYPICAL RESIDENTIAL UNIT - SOUTHWEST PERSPECTIVE

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

WILMINGTON

CITY OF

NORTH CAROLINA

Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_

WILMINGTON

CITY OF

NORTH CAROLINA

Approved Construction Plan

Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_

Traffic \_\_\_\_\_

Fire \_\_\_\_\_

JJCA



New Patient Dormitories for:  
**Wilmington Treatment Center**  
Wilmington, NC

PROJECT NUMBER  
**15678.01**  
DATE  
**October 19, 2016**

**A2.21**  
EXTERIOR  
BUILDING AXONS