



**Coulter
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NC BOARD OF EXAMINERS FOR
ENGINEERS AND SURVEYORS
LIC # C-1209
NC BOARD OF LANDSCAPE
ARCHITECTS LIC # C-104



Project
**PUREFOY
ROAD
APARTMENTS**

111 PUREFOY ROAD
CHAPEL HILL NC, 27514
ORANGE COUNTY NC

PIN: 9788419609
PID: 8801003

Job Number 1642

Drawn	MTC, ED
Checked	PBR, AJP
Date	10/10/2016
Revisions	1. 5/26/2017
	2. 2/9/2018
	3. 4/18/2018

**SITE PLANS
NOT ISSUED
FOR CONSTRUCTION**

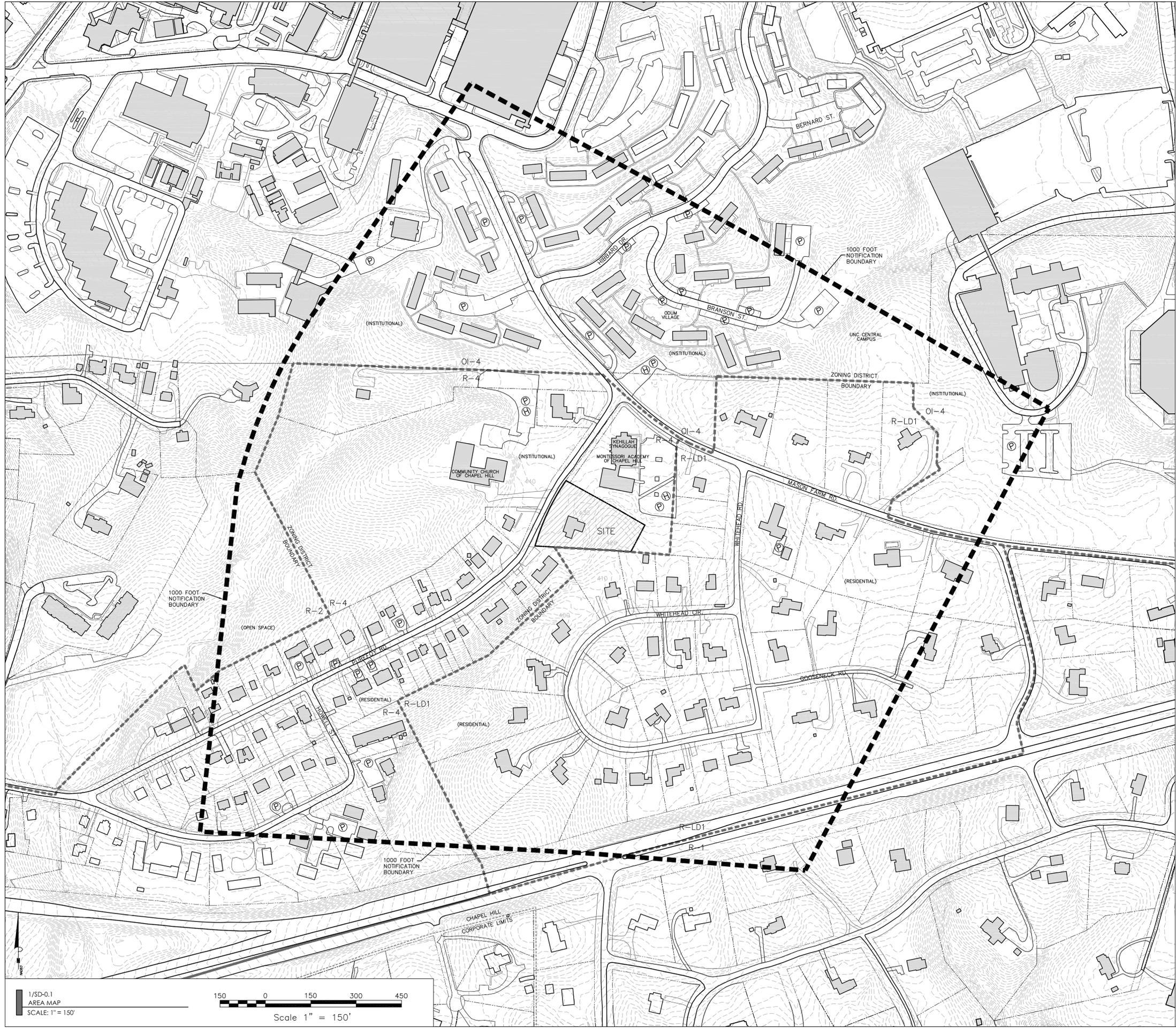
Sheet Title
**AREA
MAP**

Sheet Number
SD-0.1

LEGEND

- ■ ■ ■ ■ NOTIFICATION BOUNDARY
- - - - - ZONING DISTRICT BOUNDARY
- - - - - CHAPEL HILL CORPORATE LIMITS
- — — — — PROPERTY LINE
- — — — — STREAM
- Ⓜ ADA PARKING
- Ⓟ VEHICULAR PARKING
- Ⓟ BICYCLE PARKING

NOTE:
AREA MAP ASSEMBLED USING LINE WORK FROM
TOWN OF CHAPEL HILL GIS.



CURVE	ARC LENGTH	RADIUS	DELTA	ANGLE	CHORD	BEARING	CHORD LENGTH
C1	133.53	1783.00	10709.58	N 28°39'28" E	133.56		

Tree Table :

1	10"	Magnolia	26	24"	Pine
2	18"	Oak	27	18"	Hickory
3	20"	Pine	28	16"	Oak
4	22"	Pine	29	20"	Pine
5	22"	Pine	30	16"	Pine
6	26"	Pine	31	30"	Twin Pine
7	36"	Oak	32	18"	Pine
8	30"	Oak	33	36"	Twin Oak
9	30"	Oak	34	24"	Pine
10	38"	Oak	35	24"	Twin Oak
11	16"	Cedar	36	24"	Pine
12	22"	Cedar	37	30"	Pine
13	18"	Hickory	38	18"	Poplar
14	18"	Hickory	39	12"	Hickory
15	30"	Pine	40	36"	Pine
16	18"	Pine	41	18"	Maple
17	32"	Hickory	42	12"	Pine
18	16"	Maple	43	14"	Pine
19	24"	Triple Hackberry	44	10"	Pine
20	36"	Pine	45	10"	Hickory
21	36"	Pine	46	14"	Pine
22	48"	Bald Cypress	47	12"	Pine
23	18"	Pine	48	12"	Pine
24	30"	Pine	49	8"	Twin Cherry
25	22"	Pine	50	16"	Pine

ALL EXISTING IMPROVEMENTS WITHIN LIMITS OF DISTURBANCE TO BE REMOVED AS NECESSARY TO CONSTRUCT THOSE PROPOSED IMPROVEMENTS ASSOCIATED WITH THESE PLANS



2/SD-1.0
EXISTING CONDITIONS / DEMOLITION NOTES

- NTS
- ENSURE ALL EROSION CONTROL MEASURES ARE IN PLACE AND IN WORKING ORDER PRIOR TO THE START OF ANY DEMOLITION AND CONSTRUCTION.
 - SEE SITE LAYOUT SHEET SD-2.0 FOR LAYOUT DIMENSIONS OF EXTENT OF DEMOLISHED AREAS. PAVED AREAS NOT INDICATED TO BE DEMOLISHED, ARE TO REMAIN. ALL CONCRETE SAW CUTS ARE TO BE CLEAN, STRAIGHT AND NEAT.
 - UTILITIES: SEE UTILITY PLAN SD-5.0. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES FOR LOCATION, REMOVAL AND RELOCATION OF ANY UTILITIES. CONTRACTOR RESPONSIBLE FOR DETERMINING EXTENT AND LOCATION OF UTILITIES. THIS MAY INCLUDE CONTACTING "NO-CUTS" TO HELP LOCATE SOME UTILITIES.
 - CONTRACTOR TO ADJUST ALL MANHOLES, VALVES, JUNCTION BOXES, CATCH BASINS, CLEAN-OUTS, ETC., AS NECESSARY TO ACCOMMODATE NEW LAYOUT AND GRADES.
 - CONTRACTOR RESPONSIBLE FOR OBTAINING ANY PERMITS FOR WORK IN THE TOWN OF CHAPEL HILL RIGHT OF WAY. ANY DAMAGED INFRASTRUCTURE IN THE RIGHT OF WAY CAUSED BY CONSTRUCTION ACTIVITIES MUST BE REPAIRED TO TOWN OF CHAPEL HILL STANDARDS. THIS INCLUDES, BUT IS NOT LIMITED TO UTILITIES, SIDEWALKS, CURB AND GUTTER, ASPHALT.
 - CONTRACTOR RESPONSIBLE FOR REMOVING EVERYTHING WITHIN THE CLEARING LIMITS AND OFF-SITE WORK ZONE INCLUDING TREES, STUMPS, TRASH, FENCING, OR BUILDING MATERIALS.
 - CONTRACTOR TO USE CAUTION WORKING AROUND AND NEAR EXISTING STORM, WATER AND SEWER. CONTRACTOR RESPONSIBLE FOR DAMAGE TO EXISTING UTILITIES.
 - ALL PAVEMENT PATCHING SHALL BE PERFORMED PER TOWN OF CHAPEL HILL SPECIFICATIONS AND STANDARDS.
 - BY ORANGE COUNTY ORDINANCE, CLEAN WOOD WASTE, SCRAP METAL AND CORRUGATED CARDBOARD, ALL PRESENT IN CONSTRUCTION WASTE, MUST BE RECYCLED.
 - BY ORANGE COUNTY ORDINANCE, ALL HAULERS OF CONSTRUCTION WASTE MUST BE PROPERLY LICENSED.
 - PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITY ON THE SITE THE APPLICANT WILL HOLD A PRE-DEMOLITION/PRE-CONSTRUCTION CONFERENCE WITH THE COUNTY'S SOLID WASTE STAFF. THIS MAY BE THE SAME MEETING HELD WITH OTHER DEVELOPMENT OFFICIALS.
 - THE PRESENCE OF ANY ASBESTOS CONTAINING MATERIAL ("ACM") OR OTHER HAZARDOUS MATERIALS IN CONSTRUCTION AND DEMOLITION WASTE SHALL BE HANDLED IN ACCORDANCE WITH ANY AND ALL LOCAL, STATE, AND FEDERAL REGULATIONS AND GUIDELINES.
 - TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY ON THE SITE.

3/SD-1.0
LEDGEND

- NTS
- ITEM TO BE DEMOLISHED/REMOVED OR RELOCATED

4/SD-1.0
DESCRIPTION OF EXISTING SITE FEATURES

NTS

TOPOGRAPHY/SLOPE:
THE SITE SLOPES FROM A HIGH POINT IN THE NORTHWEST CORNER TOWARDS THE SOUTHEAST CORNER OF THE PROPERTY. THERE IS APPROXIMATELY 20' OF ELEVATION DROP ACROSS THE SITE. THE SITE HAS SLOPES OF 3% TO OVER 17%. THE MAJORITY OF THE SITE HAS SLOPES LESS THAN 10%.

THERE ARE NO EXISTING STEEP SLOPES IN EXCESS OF 25% ON THIS PROJECT SITE PER LUMO SEC. 5.3.2 STEEP SLOPES.

HYDROLOGIC FEATURES/DRAINAGE:
THE SITE DRAINS FROM THE NORTHWEST CORNER TOWARDS THE SOUTHEAST CORNER OF THE PROPERTY.

SOIL TYPES:
THE USDA NRCS WEB SOIL SURVEY CLASSIFIES TWO POSSIBLE SOIL TYPES WITHIN THE SITE.
A5B APPLING SANDY LOAM - 2-6 PERCENT SLOPES
A6C APPLING SANDY LOAM - 6-10 PERCENT SLOPES.

SUN/SHADE PATTERNS:
THE SUN WILL PASS AROUND THE SOUTH SIDE OF THE BUILDINGS DURING THE COURSE OF THE DAY. EFFORT WILL BE GIVEN TO RETAIN AS MANY EXISTING TREES AS POSSIBLE SOUTH OF THE BUILDINGS TO PROVIDE SHADE.

WHERE TREES ARE REMOVED FROM THE SOUTHERN LANDSCAPE BUFFER FOR GRADING PURPOSES NEW TREES WILL BE PLANTED. TREES WILL ALSO BE ADDED TO THE NEW PARKING AREAS TO PROVIDE SHADE AND MEET MINIMUM REQUIREMENTS.

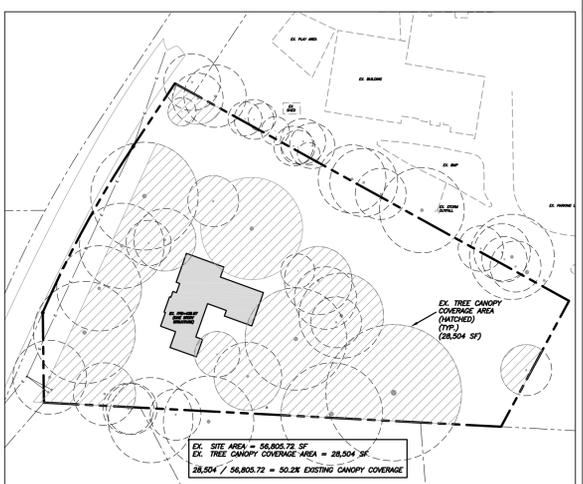
FEMA FLOODPLAIN INFORMATION:
THERE IS NO MAPPED FLOODPLAIN AS PER FEMA MAP NUMBER 3710978B00J (EFFECTIVE FEBRUARY 2, 2007)

SPECIAL FEATURES:
THIS PROPERTY HAS FRONTAGE ON PUREFOY ROAD.

VEGETATION:
THE SITE CONTAINS BOTH EXISTING HARDWOOD AND PINE TREES.

TRANSIT FACILITIES:
THE NEAREST BUS STOP IS LOCATED NORTH OF THE SITE ON JACKSON CIRCLE.

5/SD-1.0
EXISTING TREE CANOPY COVERAGE



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EXISTING
CONDITIONS /
DEMOLITION
PLAN

Sheet Number

SD-1.0

1/SD-1.0
EXISTING CONDITIONS / DEMOLITION PLAN
SCALE: 1" = 20'

Scale 1" = 20'

7/SD-2.0
TRAFFIC CONTROL PLAN NOTES
SCALE: NTS

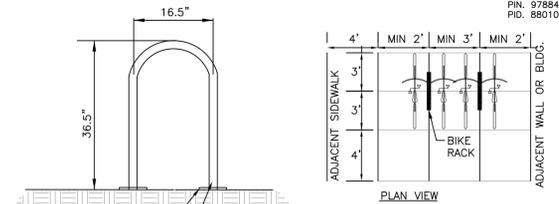
- CONSTRUCTION ASSOCIATED WITH THE PUREFOY ROAD APARTMENT PROJECT WILL OCCUR WITHIN THE PUREFOY ROAD RIGHT-OF-WAY. A TEMPORARY LANE CLOSURE MAY BE NEEDED FOR CONSTRUCTION AT DIFFERENT TIMES.
- AT ALL TIMES DURING THE PROJECT, REQUIRED WORK ZONE SIGNAGE SHALL BE IN PLACE PER CURRENT NCDOT AND TOWN OF CHAPEL HILL STANDARDS.
- DURING TEMPORARY LANE CLOSURES, ADDITIONAL SIGNAGE SHALL BE PLACED PER CURRENT NCDOT AND TOWN OF CHAPEL HILL STANDARDS.
- ALL SIGNAGE SHALL COMPLY WITH THE LATEST MUTCO REQUIREMENTS AND NCDOT AND TOWN OF CHAPEL HILL.
- TEMPORARY LANE CLOSURES REQUIRE A PERMIT FROM THE TOWN OF CHAPEL HILL, AND ARE ALLOWED ONLY DURING DAYLIGHT HOURS. CONTACT THE TOWN ENGINEERING DEPARTMENT AT 919-969-5096 FOR EACH PERMIT AT LEAST 5 DAYS IN ADVANCE. A 72-HOUR NOTICE IS REQUIRED (SAME DEPARTMENT) PRIOR TO ACTUAL CLOSURE.
- CONTRACTOR TO MAINTAIN TWO WAY TRAFFIC AND ENSURE ONE OPEN LANE AT ALL TIMES.

8/SD-2.0
FRONT YARD PARKING CALCULATIONS
SCALE: NTS

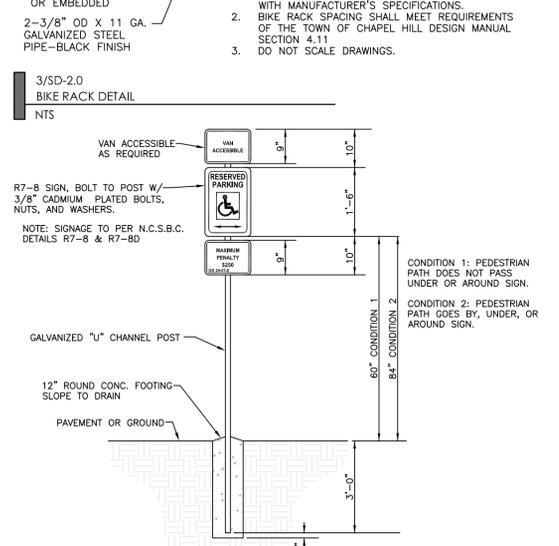
FRONT YARD PARKING CALCULATIONS
PER LUMO SEC. 5.9.9.C. PARKING AND DRIVE AREAS SHALL BE LIMITED TO 40 PERCENT OF THE FRONT YARD AREA OF ANY ZONING LOT.
AND PER APPENDIX B. - NEIGHBORHOOD CONSERVATION DISTRICTS, DIVISION 5. - MASON FARM / WHITEHEAD CIRCLE NCD. SEC. 5.3 MAXIMUM PERCENT OF FRONT YARD USED FOR PARKING SHALL BE 25%.
TOTAL FRONT YARD AREA MEASURED BETWEEN THE STREET AND A LINE DRAWN PARALLEL TO THE STREET FROM THE POINT OF THE STRUCTURE THAT IS CLOSEST TO THE STREET = 15,551 SF
TOTAL DRIVEWAY AND PARKING AREA WITHIN FRONT YARD = 2,276 SF
2,276 SF / 15,551 SF = 14.64% PARKING AND DRIVEWAY WITHIN FRONT YARD

2/SD-2.0
SITE LAYOUT PLAN NOTES

- ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.
- DIMENSIONS TO BUILDING WALL ARE TO FACE OF WALL AT FINISH GRADE. DIMENSIONS TO CURB ARE TO FACE OF CURB.
- LAYOUT IMPROVEMENTS FOR THE CIVIL ENGINEER'S OR LANDSCAPE ARCHITECT'S REVIEW PRIOR TO BEGINNING CONSTRUCTION.
- REFERENCE ARCHITECTURAL DRAWINGS FOR BUILDING LAYOUT INFORMATION.
- ADA PARKING SPACES SHALL BE SIGNED WITH TYPE R7-8 OR R7-8A RESERVED PARKING SIGN AND R7-80 MAXIMUM FINE SIGN PER GS 20-37.6 OF THE NORTH CAROLINA HANDICAP CODE. ADA RAMP SHALL HAVE RAMP SURFACES COVERED WITH DETECTABLE WARNING PATTERN PER ADA STANDARDS.
- REFERENCE DEMOLITION PLAN SHEET SD-1.0 FOR EXTENT OF DEMOLITION AND REMOVAL OF CURB AND GUTTER, DRIVEWAYS, PAVEMENT, BOLLARDS, WALKWAYS, UTILITIES, AND VEGETATION.
- APPROVED BUILDING ADDRESS NUMBERS, PLACED IN ACCEPTABLE POSITION TO THE FIRE CODE OFFICIAL, SHALL BE REQUIRED ON ALL NEW BUILDINGS. NC FPC 2012, 505.1 (FIRE). ADDRESS NUMBERS MUST BE A MINIMUM OF 4 INCHES HIGH AND OF CONTRASTING COLOR TO THEIR BACKGROUND. REFLECTIVE NUMBERS ARE PREFERRED. WHEN THE DISTANCE FROM THE STREET OR FIRE DEPARTMENT ACCESS LANE TO THE FRONT OR ADDRESS SIDE OF THE BUILDING EXCEEDS 25 FEET, LARGER NUMBERS ARE REQUIRED. 26 FEET TO 50 FEET SHALL HAVE 8 INCH NUMBERS, 51-75 FEET SHALL HAVE 12 INCH NUMBERS AND OVER 75 FEET SHALL HAVE 18 INCH NUMBERS. WHERE ACCESS IS BY PRIVATE MEANS OF A PRIVATE ROAD AND THE BUILDING CANNOT BE VIEWED FROM THE PUBLIC WAY, A MONUMENT, POLE OR OTHER SIGN OR MEANS SHALL BE USED TO IDENTIFY THE STRUCTURE.
- CONTRACTOR SHALL INSTALL CONTINUOUS FENCING AT THE LIMITS OF DISTURBANCE PRIOR TO ANY DEMOLITION OR SITE WORK.
- DURING CONSTRUCTION AND DEMOLITION WHERE HOT WORK, MATERIALS SUBJECT TO SPONTANEOUS COMBUSTION, OR OTHER HAZARDOUS CONSTRUCTION OR DEMOLITION IS OCCURRING, THE OWNER OR THEIR DESIGNEE SHALL BE RESPONSIBLE FOR MAINTAINING A FIRE WATCH. THE FIRE WATCH SHALL CONSIST OF AT LEAST ONE PERSON WITH A MEANS OF COMMUNICATING AN ALARM TO 911, SHALL HAVE A WRITTEN ADDRESS POSTED IN A CONSPICUOUS LOCATION AND SHALL MAINTAIN CONSTANT PATROLS. NC FPC 2012 SECTION 1404.
- ALL CONSTRUCTION AND DEMOLITION CONDUCTED SHALL BE IN COMPLIANCE OF THE CURRENT EDITION OF CHAPTER 14 OF THE NC FPC.
- WHERE REQUIRED BY THE FIRE CODE OFFICIAL, A SECURE KEY BOX, MOUNTED ON THE ADDRESS SIDE OF THE BUILDING, NEAR THE MAIN ENTRANCE, SHALL BE PROVIDED TO ENSURE ADEQUATE ACCESS TO THE BUILDING BASED ON LIFE SAFETY AND/OR FIRE PROTECTION NEEDS. NC FPC 2012, 506 (FIRE).
- PRIOR TO BEGINNING WORK IN THE PUBLIC RIGHT-OF-WAY THE APPLICANT MUST CONTACT THE ENGINEERING DIVISION TO APPLY FOR AN ENGINEERING CONSTRUCTION PERMIT AND TO SCHEDULE A PRECONSTRUCTION CONFERENCE.



3/SD-2.0
BIKE RACK DETAIL
NTS



- GENERAL NOTES:
- REGARDLESS OF AGE, ALL ACCESSIBLE SPACES SHALL BE IDENTIFIED BY ABOVE-GROUND SIGNS ONLY.
 - NEW SPACES SHALL NOT USE GROUND-PAINTED SYMBOLS.
 - ACCESSIBLE SPACES ARE REQUIRED TO BE STRIPED OFF ONLY; BLUE COLORING IS NOT NECESSARY NOR REQUIRED.
 - STRIPING IS WHITE ON DARK PAVEMENT; BLACK ON LIGHT PAVEMENT. (N.C.D.O.T.)

4/SD-2.0
ADA SIGNAGE
NTS

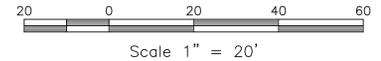
- COMPLIANCE WITH THE TOWN NOISE ORDINANCE IS REQUIRED DURING CONSTRUCTION OF THIS PROJECT.
- AN ENGINEERING CONSTRUCTION PERMIT IS REQUIRED PRIOR TO THE START OF ANY WORK IN THE PUBLIC RIGHT-OF-WAY. CONTACT LARRY TUCKER (TOWN ENGINEERING AND DESIGN SERVICES DIVISION, (919)-969-5084) TO APPLY FOR THE PERMIT.
- THERE WILL BE NO CONSTRUCTION TRAILER ON SITE.
- CONSTRUCTION PERSONNEL AND CONSTRUCTION EQUIPMENT PARKING WILL BE WITHIN THE PROPERTY LIMITS. PERSONNEL PARKING SHALL BE FIRST LOCATED WEST OF PROPOSED BLDG. #2 WITHIN EXISTING GRAVEL DRIVEWAY. AS CONSTRUCTION PROGRESSES PERSONNEL PARKING SHALL SHIFT TO REAR PARKING AREA WHILE THE FRONT PARKING AREA, DRIVEWAY CONNECTION AND NEW SIDEWALK ARE BEING CONSTRUCTED. ADDITIONAL ON-SITE PARKING ARRANGEMENTS SHALL BE COORDINATED WITH THE TOWN IF DETERMINED TO BE NEEDED DURING CONSTRUCTION.
- STAGING FOR CONSTRUCTION MATERIALS SHALL BE FIRST LOCATED WEST OF PROPOSED BLDG. #2 WITHIN THE EXISTING GRAVEL DRIVEWAY AREA. AS CONSTRUCTION PROGRESSES STAGING FOR CONSTRUCTION MATERIALS SHALL SHIFT TO REAR PARKING AREA WHILE THE FRONT PARKING AREA, DRIVEWAY CONNECTION AND NEW SIDEWALK ARE BEING CONSTRUCTED.
- EMERGENCY VEHICLE ACCESS WILL BE FROM ADJACENT ROW (PUREFOY ROAD). CONTRACTOR SHALL ENSURE ACCEPTABLE EMERGENCY VEHICLE ACCESS AT ALL TIMES DURING CONSTRUCTION.
- DELIVERY TRUCKS SHALL DELIVER FROM ADJACENT ROW (PUREFOY ROAD).
- CONTRACTOR TO PROVIDE CONSTRUCTION SIGNAGE AS NECESSARY ALONG PUREFOY ROAD PER LATEST NCDOT STANDARDS.
- FOR TEMPORARY LANE CLOSURES REFERENCE NOTES 5&6, 7/SD-2.0 TRAFFIC CONTROL PLAN NOTES.
- DURING DEMOLITION AND/OR CONSTRUCTION, ALL ASPECTS OF CHAPTER 14 OF THE NC FIRE PREVENTION SHALL BE FOLLOWED. THE OWNER/DEVELOPER SHALL DESIGNATE ONE PERSON TO BE THE FIRE PREVENTION PROGRAM SUPERINTENDENT WHO SHALL BE RESPONSIBLE FOR ENFORCING CHAPTER 14 OF THE NCFPC AND THE ON-SITE FIRE PREVENTION PROGRAM AND ENSURE THAT IT IS CARRIED OUT THROUGH COMPLETION OF THE PROJECT.
- FIRE WATCH; DURING CONSTRUCTION AND DEMOLITION WHERE HOT WORK, MATERIALS SUBJECT TO SPONTANEOUS COMBUSTION, OR OTHER HAZARDOUS CONSTRUCTION OR DEMOLITION IS OCCURRING, THE OWNER OR THEIR DESIGNEE SHALL BE RESPONSIBLE FOR MAINTAINING A FIRE WATCH. THE FIRE WATCH SHALL CONSIST OF AT LEAST ONE PERSON WITH A MEANS OF COMMUNICATING AN ALARM TO 911, SHALL PROVIDE A WRITTEN ADDRESS POSTED IN A CONSPICUOUS LOCATION AND SHALL MAINTAIN CONSTANT PATROLS. NC FPC 2012 SECTION 1404.

5/SD-2.0
CONSTRUCTION MANAGEMENT PLAN NOTES

- ALL EXISTING STRUCTURES 500 SQUARE FEET AND LARGER IN SIZE SHALL BE ASSESSED PRIOR TO DEMOLITION TO ENSURE COMPLIANCE WITH THE COUNTY'S REGULATED RECYCLABLE MATERIALS ORDINANCE (RRMO) AND TO ASSESS THE POTENTIAL FOR DE-CONSTRUCTION AND/OR THE RE-USE OF SALVAGEABLE MATERIALS.
- BY ORANGE COUNTY ORDINANCE, CLEAN WOOD WASTE, SCRAP METAL, AND CORRUGATED CARDBOARD PRESENT IN CONSTRUCTION OR DEMOLITION WASTE MUST BE RECYCLED.
- BY ORANGE COUNTY ORDINANCE, ALL HAULERS OF MIXED CONSTRUCTION AND DEMOLITION WASTE THAT INCLUDES ANY REGULATED RECYCLABLE MATERIALS SHALL BE LICENSED BY ORANGE COUNTY.
- PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITY ON THE SITE THE APPLICANT SHALL HOLD A PRE-DEMOLITION / PRE-CONSTRUCTION CONFERENCE WITH THE SOLID WASTE STAFF. THIS MAY BE THE SAME PRE-CONSTRUCTION MEETING HELD WITH OTHER DEVELOPMENT / ENFORCEMENT OFFICIALS.
- THE PRESENCE OF ASBESTOS CONTAINING MATERIALS (ACM) AND/OR OTHER HAZARDOUS MATERIALS IN CONSTRUCTION AND DEMOLITION WASTE SHALL BE HANDLED IN ACCORDANCE WITH ANY AND ALL LOCAL, STATE, AND FEDERAL REGULATIONS AND GUIDELINES.

6/SD-2.0
CONSTRUCTION WASTE NOTES

1/SD-2.0
SITE LAYOUT PLAN
SCALE: 1" = 20'



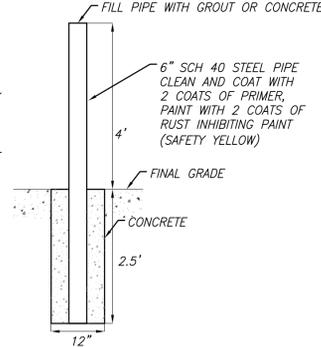
N/C Grid North MD83-2011
(OMSA Meritblue Info)

N/F NEAR CAMPUS HOUSING, INC.
DB 5889 PG. 458
LOT 6 PB 4 PG. 77
PIN 9788-41-7593

N/F RICHARD & SUSAN MOODY
DB 251 PG. 445
LOT 4 PB 4 PG. 77
PIN 9788-41-9561

N/F PETER & ALISON GAYEK
DB 1102 PG. 434
LOT 3
PB 4 PG. 77 PIN
9788-51-0592

CONTRACTOR TO PLACE 2 INCHES OF CLEAN WASHED #57 STONE ON TOP OF FABRIC IN UNDER ALL WOOD DECKS AND STAIRS TO STABILIZE SOILS



7/SD-2.0
6" BOLLARD
NTS

REFERENCE SD-0.0 COVER SHEET FOR ON-SITE AND OFF-SITE LAND DISTURBANCE CALCULATIONS.



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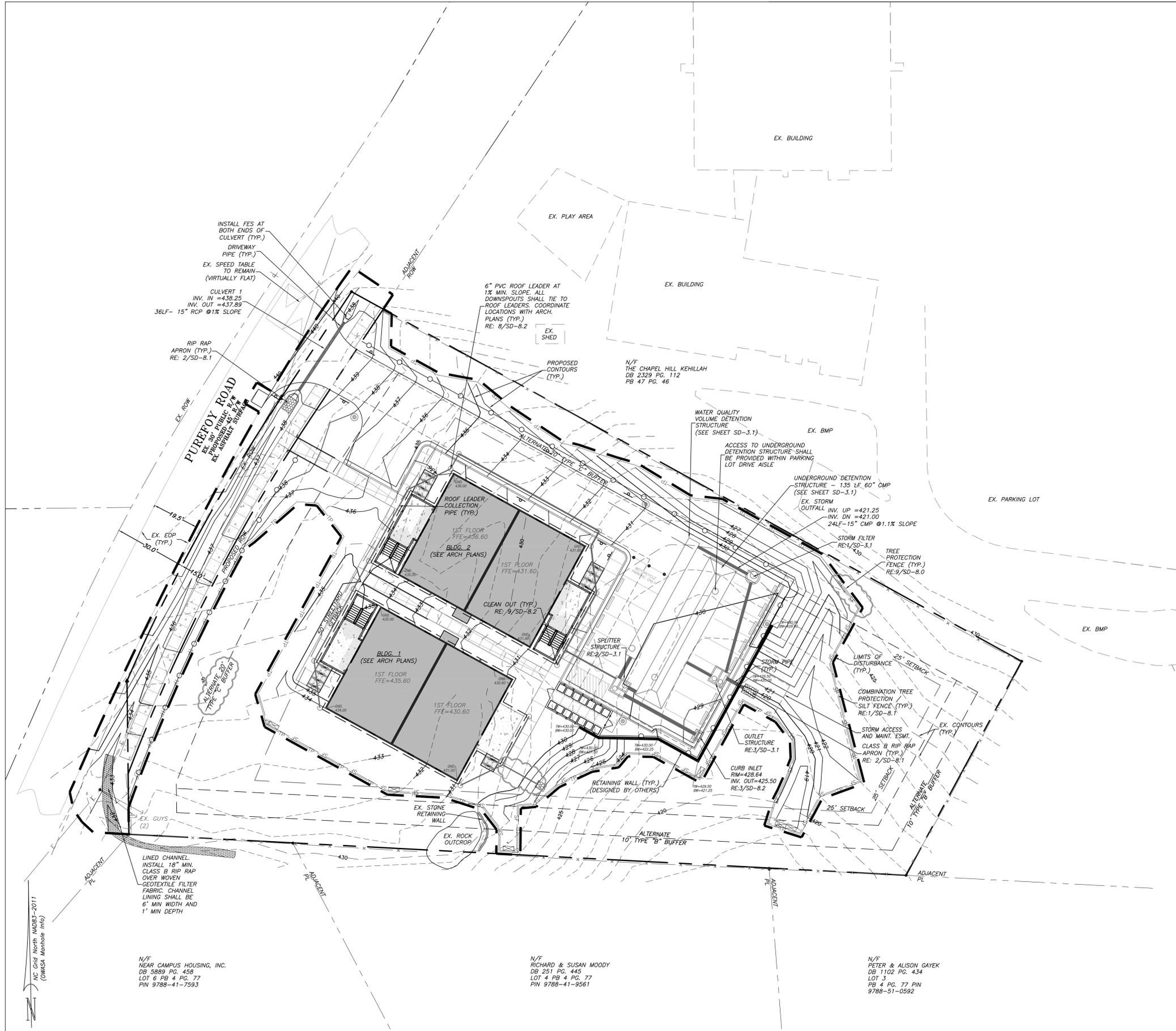
Drawn MTC, ED
Checked PBR, AJP
Date 10/10/2016
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2. 2/9/2018
3. 4/18/2018

SITE PLANS NOT ISSUED FOR CONSTRUCTION

Sheet Title
SITE LAYOUT PLAN

Sheet Number

SD-2.0



2/SD-3.0
GRADING AND STORMWATER PLAN NOTES

PIN: 9788419609
PID: 8801003

- GRADING NOTES:**
1. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
 2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH TOWN OF CHAPEL HILL STANDARDS AND SPECIFICATIONS.
 3. CONTRACTOR SHALL NOTIFY "NORTH CAROLINA ONE CALL" (1-800-632-4949) AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR TO CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NORTH CAROLINA ONE CALL".
 4. CONSTRUCTION, MAINTENANCE AND REMOVAL OF ALL EROSION CONTROL DEVICES ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
 5. EXISTING UTILITIES AND STRUCTURES SHOWN, BOTH UNDERGROUND AND ABOVE GROUND, ARE BASED ON A FIELD SURVEY AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.
 6. SOIL UNDER BUILDING PAD, PAVED AREAS AND WITHIN SLOPES GREATER THAN 3:1 (H:V) SHALL BE APPROVED, PLACED AND COMPACTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER. THESE SOILS SHALL BE COMPACTED AS SPECIFIED UNLESS OTHERWISE RECOMMENDED BY THE GEOTECHNICAL ENGINEER. ANY UNDERCUT SOILS SHALL ALSO BE QUANTIFIED BY THE GEOTECHNICAL ENGINEER.
 7. ALL GRADING MUST PRODUCE SURFACE DRAINAGE ADEQUATE TO PREVENT STANDING WATER OR WET LAWN AREAS, AND TO ENSURE THAT ALL STORM WATER FLOWS TO INLETS OR OTHER POINTS OF DISCHARGE.
 8. ALL SIDEWALKS SHALL BE CONSTRUCTED WITH A MAXIMUM 1.8% CROSS SLOPE IN THE DIRECTION SHOWN ON THE PLAN.
 9. CONSTRUCTION DETAILS FOR PROPOSED RETAINING WALL DESIGN SHALL BE PROVIDED WITH FINAL PLANS APPLICATION.
 10. IN-SITU SOIL TEST RESULTS FOR THE PROPOSED UNDERGROUND DETENTION, WATER AND STORM FILTER UNIT LOCATIONS SHALL BE SUBMITTED WITH FINAL PLANS APPLICATION.

- STORM DRAINAGE NOTES:**
1. ALL STORM DRAINAGE PIPES SHOWN ARE TO BE CLASS III REINFORCED CONCRETE (RCP) UNLESS NOTED OTHERWISE.
 2. ALL STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL STANDARDS.
 3. ALL CONCRETE SHALL MEET A MINIMUM 3000 PSI COMPRESSIVE STRENGTH.
 4. ALL PIPE IN STORM DRAIN STRUCTURES SHALL BE STRUCK EVEN WITH INSIDE WALL.
 5. ALL PIPE JOINTS SHALL BE MADE WITH PREFORMED JOINT SEALER, WHICH CONFORMS TO AASHTO SPECIFICATION M-198 FOR TYPE B FLEXIBLE PLASTIC GASKETS UNLESS OTHERWISE NOTED.
 6. THE INTERIOR SURFACES OF ALL STORM DRAINAGE STRUCTURES SHALL BE POINTED AND SMOOTHED TO AN ACCEPTABLE STANDARD USING MORTAR MIXED TO MANUFACTURER'S SPECIFICATIONS.
 7. ALL BACKFILL SHALL BE NON-PLASTIC IN NATURE, FREE FROM ROOTS, VEGETATION MATTER, WASTE CONSTRUCTION MATERIAL OR OTHER OBJECTIONABLE MATERIAL. SAND MATERIAL SHALL BE CAPABLE OF BEING COMPACTED BY MECHANICAL MEANS AND SHALL HAVE NO TENDENCY TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER THE TAMPING BLOWS OR PROOF ROLLING.
 8. MATERIALS DEEMED BY THE OWNER'S REPRESENTATIVE AS UNSUITABLE FOR BACKFILL PURPOSES SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
 9. BACKFILLING OF TRENCHES SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PIPE IS LAID. THE FILL AROUND THE PIPE SHALL BE THOROUGHLY COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY OBTAINABLE WITH THE STANDARD PROCTOR TEST. THE TOP EIGHT (8) INCHES SHALL BE COMPACTED TO 100% STANDARD PROCTOR.
 10. UNDER NO CIRCUMSTANCES SHALL WATER BE ALLOWED TO RISE IN UNBACKFILLED TRENCHES AFTER PIPE HAS BEEN PLACED.
 11. ALL ROOF DRAINS FOR PROPOSED NEW BUILDING 2, THE NORTHWESTERN HALF FOR PROPOSED NEW BUILDING 1, AND ADDITIONAL NON-ROOF IMPERVIOUS AREA DISCHARGE INTO THE STORMWATER TREATMENT FACILITY.
 12. THE CURB INLET HOOD AND COVER SHALL BE PRE-CAST CURB INLET HOODS AND COVERS STATING "DUMP NO WASTE DRAINS TO JORDAN LAKE", IN ACCORDANCE WITH THE SPECIFICATIONS OF THE TOWN STANDARDS DETAIL SD-5A, FOR ALL NEW CURB INLETS FOR PRIVATE, TOWN AND STATE RIGHT-OF-WAY.
 13. CONTRACTOR SHALL CONTACT TOWN OF CHAPEL HILL STORMWATER MANAGEMENT DIVISION TO SCHEDULE PRECONSTRUCTION MEETING PRIOR TO LAND DISTURBANCE ON THE SITE.
 14. HVAC CONDENSATE AND FLOOR DRAINS UNDER A ROOF SHALL NOT BE DISCHARGED INTO STORM SEWER PIPE.
 15. ALL ROOF DRAIN PLUMBING INTENDED TO DISCHARGE TO STORM SEWER PIPE NOT SHOWN ON APPROVED PLAN SHEET ARE NOT APPROVED. ANY DISCHARGE TO STORM SEWER PIPE NOT APPROVED WILL NEED A REVIEW AND APPROVAL FROM THE STORMWATER MANAGEMENT DIVISION.

3/SD-3.0
ADA ROUTE NOTES APPLIES TO ALL SHEETS

- FOR ALL SIDEWALKS THE FOLLOWING APPLIES:**
1. SIDEWALK SLOPES TO BE A MAXIMUM 4.8%.
 2. SIDEWALK CROSS SLOPES TO BE A MAXIMUM 1.8%.
 3. MINIMUM 1" SHOULDER AT MAXIMUM 2% SLOPE ADJACENT TO ADA PAVED ROUTES UNLESS A HANDRAIL IS CALLED OUT.
 4. ADA PARKING TO BE A MAXIMUM 1.8% SLOPE IN ANY DIRECTION FOR ENTIRE AREA - PARKING SPACES AND AISLES.
 5. ALL ADA ACCESSIBLE DOORS EXITING THE BUILDING REQUIRE AN ACCESSIBLE COMPLIANT ROUTE TO A PUBLIC WAY.
 6. ALL DECKS AND WOODEN RAMPS SHALL COMPLY WITH ALL SLOPE REQUIREMENTS LISTED ABOVE. SEE ARCHITECTURAL PLANS FOR DETAILS.

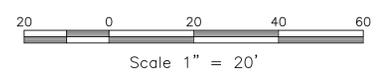
AC Grid North MD03-2011
(OMSA, Maricopa Info)

N/F NEAR CAMPUS HOUSING, INC.
DB 5889 PG. 458
LOT 6 PB 4 PG. 77
PIN 9788-41-7593

N/F RICHARD & SUSAN MOODY
DB 251 PG. 445
LOT 4 PB 4 PG. 77
PIN 9788-41-9561

N/F PETER & ALISON GAYEK
DB 1102 PG. 434
LOT 3
PB 4 PG. 77 PIN
9788-51-0592

1/SD-3.0
GRADING AND STORMWATER DRAINAGE PLAN
SCALE: 1" = 20'



REFERENCE SD-3.1 FOR ADDITIONAL PIPE LENGTHS, MATERIALS, INVERTS, AND SLOPES.

REFERENCE SD-0.0 COVER SHEET FOR ON-SITE AND OFF-SITE LAND DISTURBANCE CALCULATIONS.



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NC BOARD OF LANDSCAPE ARCHITECTS LIC # C-104



Project
PUREFOY ROAD APARTMENTS
111 PUREFOY ROAD
CHAPEL HILL NC, 27514
ORANGE COUNTY NC

PIN: 9788419609
PID: 8801003

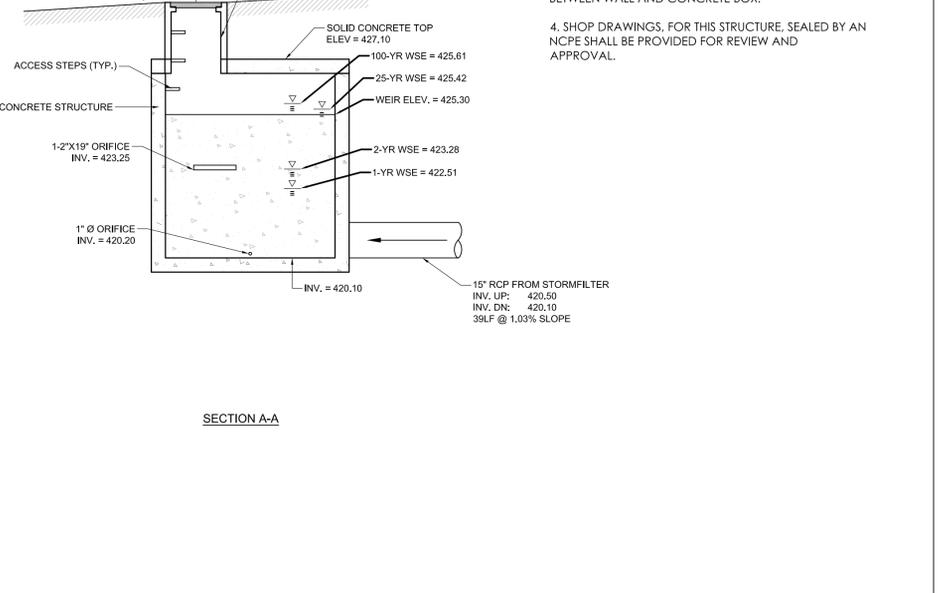
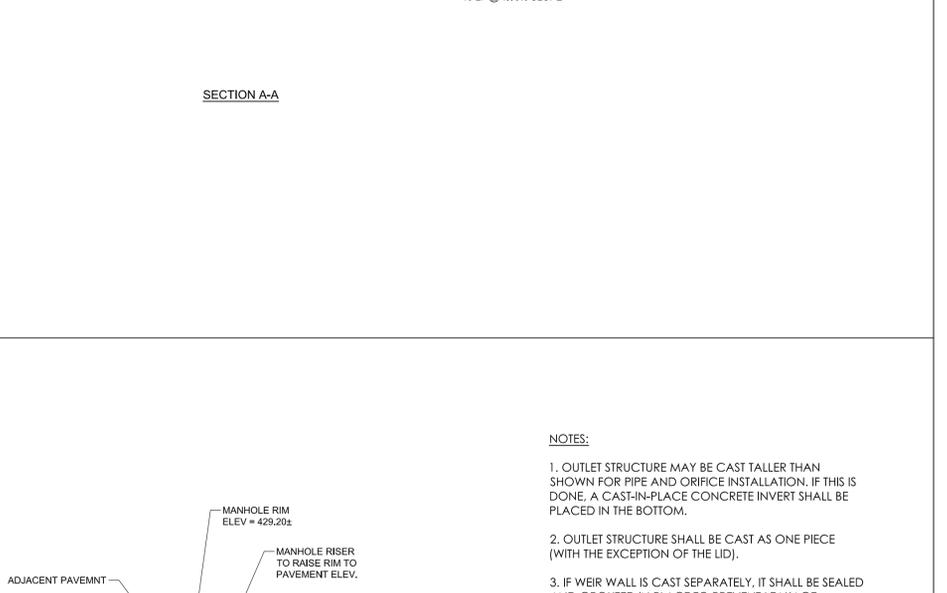
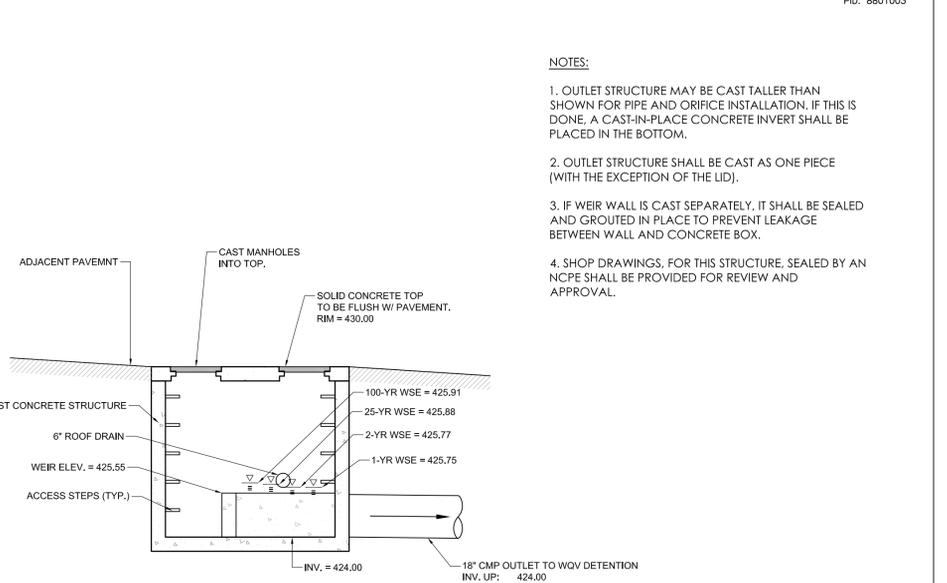
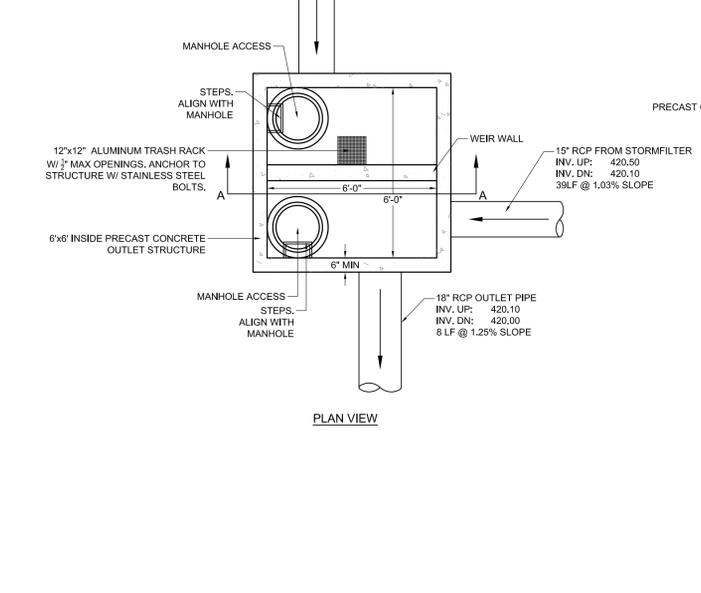
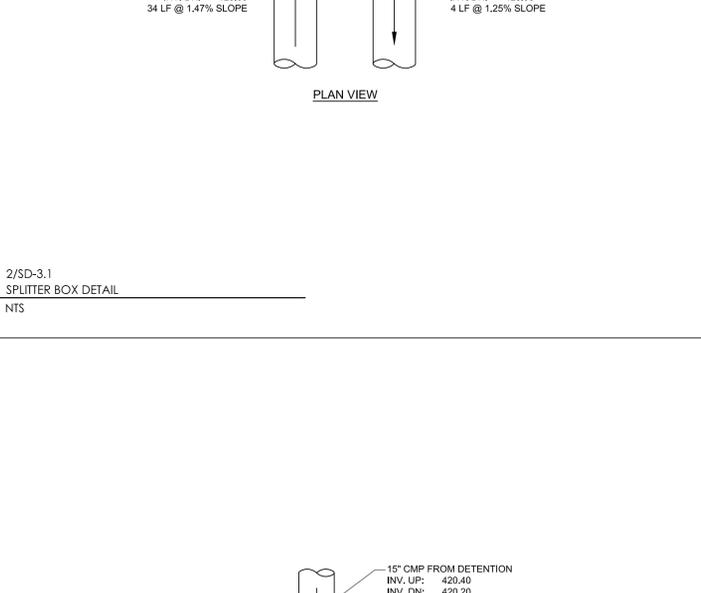
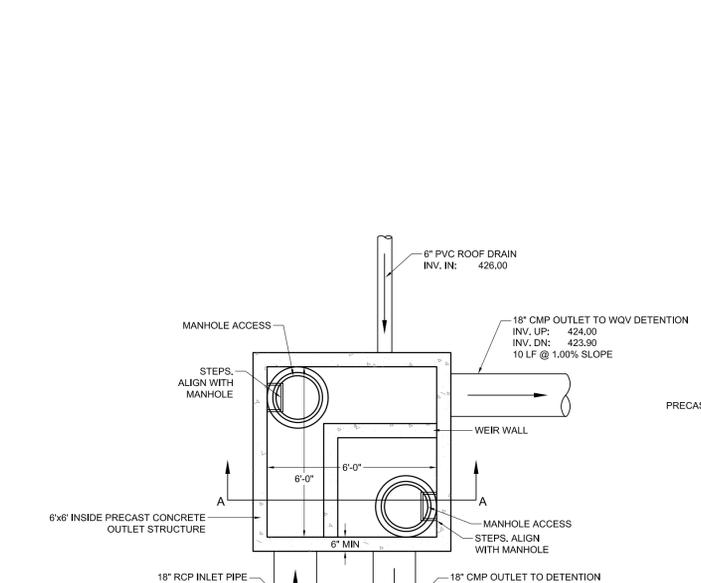
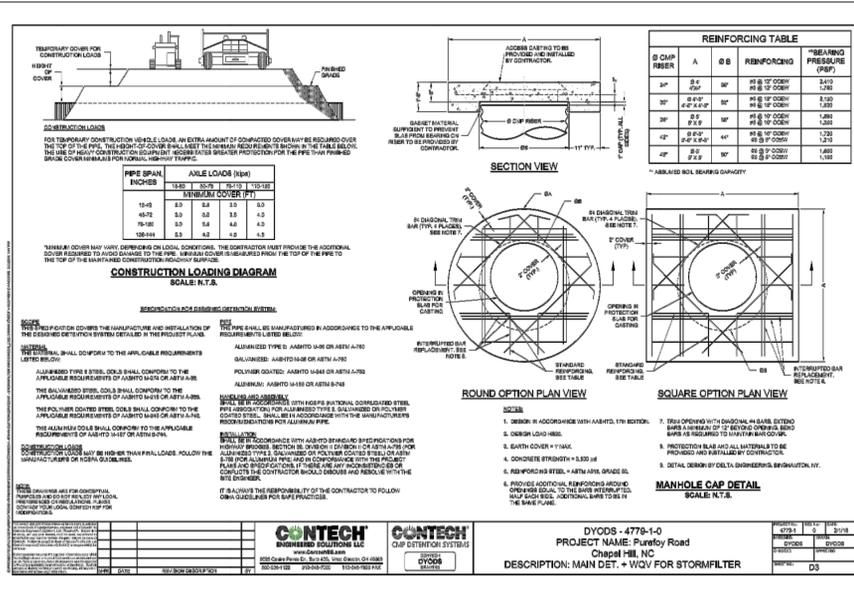
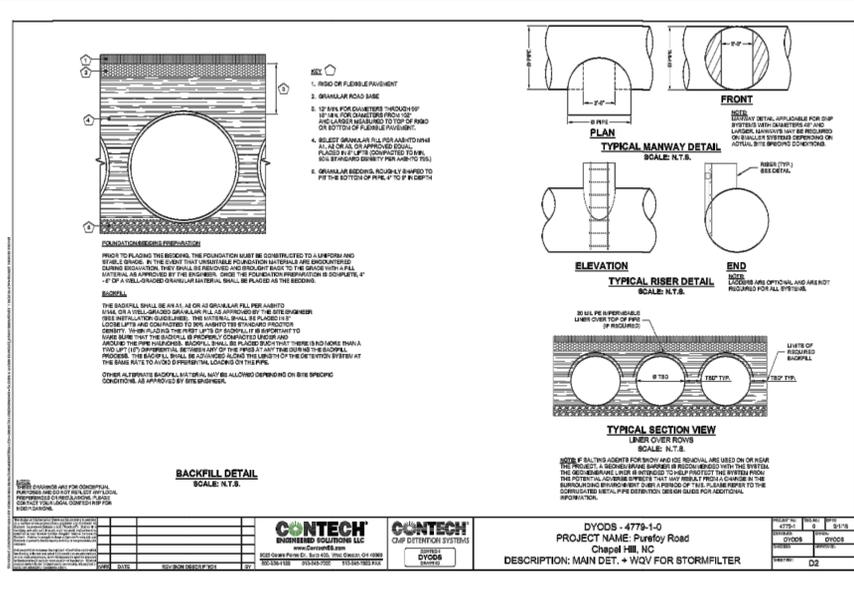
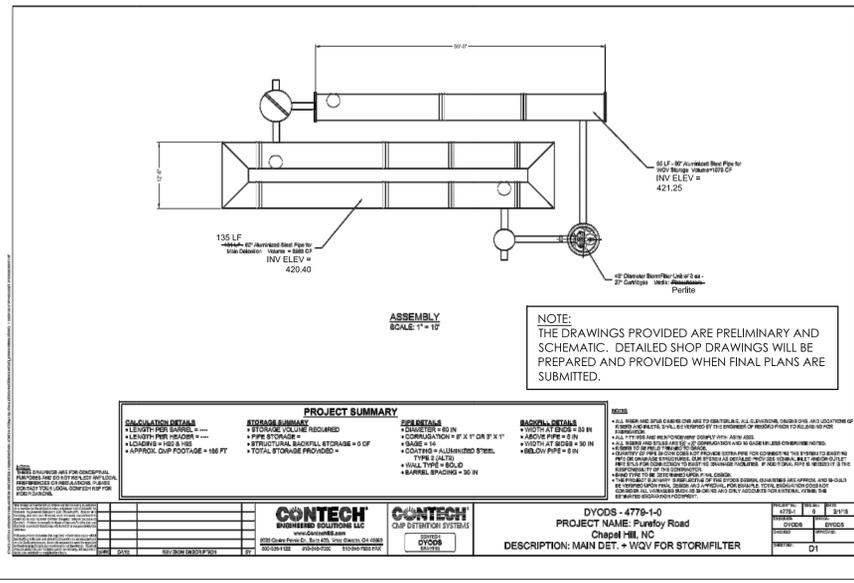
Job Number 1642

Drawn	MTC, ED
Checked	PBR, AJP
Date	10/10/2016
Revisions	1. 5/25/2017
	2. 2/9/2018
	3. 4/18/2018

SITE PLANS NOT ISSUED FOR CONSTRUCTION

Sheet Title
GRADING AND STORMWATER DRAINAGE PLAN

Sheet Number
SD-3.0



PN: 9788419609
PID: 8801003

- NOTES:**
1. OUTLET STRUCTURE MAY BE CAST TALLER THAN SHOWN FOR PIPE AND ORIFICE INSTALLATION. IF THIS IS DONE, A CAST-IN-PLACE CONCRETE INVERT SHALL BE PLACED IN THE BOTTOM.
 2. OUTLET STRUCTURE SHALL BE CAST AS ONE PIECE (WITH THE EXCEPTION OF THE LID).
 3. IF WEIR WALL IS CAST SEPARATELY, IT SHALL BE SEALED AND GROUTED IN PLACE TO PREVENT LEAKAGE BETWEEN WALL AND CONCRETE BOX.
 4. SHOP DRAWINGS, FOR THIS STRUCTURE, SEALED BY AN NCPE SHALL BE PROVIDED FOR REVIEW AND APPROVAL.



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Project
PUREFOY ROAD APARTMENTS
111 PUREFOY ROAD
CHAPEL HILL, NC, 27514
ORANGE COUNTY NC

PN: 9788419609
PID: 8801003

Job Number 1642
Drawn MTC, ED
Checked PBR, AJP
Date 10/10/2016
Revisions 1. 5/25/2017
2. 2/9/2018
3. 4/18/2018

SITE PLANS NOT ISSUED FOR CONSTRUCTION

STORMWATER DETAILS

Sheet Title
SD-3.1

1/SD-3.1
STORMFILTER AND UNDERGROUND DETENTION SYSTEM
NTS

NOTE:
UNDERGROUND DETENTION DETAILS ARE SCHEMATIC. SHOP DRAWINGS WILL BE PREPARED FOLLOWING PLAN APPROVAL.

3/SD-3.1
OUTLET STRUCTURE
NTS



2/SD-4.0
EROSION CONTROL PLAN NOTES

- EROSION CONTROL NOTES:**
1. EROSION CONTROL BOND: IF ONE (1) ACRE OR MORE IS UNCOVERED BY LAND-DISTURBING ACTIVITIES FOR THIS PROJECT, THEN A PERFORMANCE GUARANTEE IN ACCORDANCE WITH SECTION 5-97.1 BONDS OF THE TOWN CODE OF ORDINANCES SHALL BE REQUIRED PRIOR TO FINAL AUTHORIZATION TO BEGIN LAND-DISTURBING ACTIVITIES. THIS FINANCIAL GUARANTEE IS INTENDED TO COVER THE COSTS OF RESTORATION OF FAILED OR FAILING SOIL EROSION AND SEDIMENTATION CONTROLS, AND/OR TO REMEDY DAMAGES RESULTING FROM LAND-DISTURBING ACTIVITIES, SHOULD THE RESPONSIBLE PARTY OR PARTIES FAIL TO PROVIDE PROMPT AND EFFECTIVE REMEDIES ACCEPTABLE TO THE TOWN.
 2. THE APPLICANT SHALL PROVIDE A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PERMIT FROM ORANGE COUNTY EROSION CONTROL DIVISION PRIOR TO RECEIVING A ZONING COMPLIANCE PERMIT. DURING THE CONSTRUCTION PHASE, ADDITIONAL EROSION AND SEDIMENT CONTROLS MAY BE REQUIRED IF THE PROPOSED MEASURES DO NOT CONTAIN THE SEDIMENT, SEDIMENTATION LEAVING THE PROPERTY IS A VIOLATION OF THE TOWN'S EROSION AND SEDIMENT CONTROL ORDINANCE.
 3. THE CONTRACTOR SHALL TAKE THE APPROPRIATE MEASURES TO PREVENT AND REMOVE THE DEPOSIT OF WET OR DRY SILT ON ADJACENT PAVED ROADWAYS.
 4. EROSION CONTROL INSPECTIONS: IN ADDITION TO THE REQUIREMENT DURING CONSTRUCTION FOR INSPECTION AFTER EVERY RAINFALL, THE APPLICANT SHALL INSPECT THE EROSION AND SEDIMENT CONTROL DEVICES WEEKLY, MAKE ANY NECESSARY REPAIRS OR ADJUSTMENTS TO THE DEVICES, AND MAINTAIN INSPECTION LOGS DOCUMENTING THE DAILY INSPECTIONS AND ANY NECESSARY REPAIRS.

3/SD-4.0
CONSTRUCTION SEQUENCE

- ENFORCEMENT NOTE 1:** FAILURE TO FOLLOW THIS CONSTRUCTION SEQUENCE MAY RESULT IN LOCAL ENFORCEMENT ACTIONS, INCLUDING BUT NOT LIMITED TO CIVIL PENALTIES, INJUNCTIVE RELIEF, CRIMINAL PENALTIES, AND PERMIT REVOCATION. ADDITIONALLY, OFF-SITE SEDIMENTATION MAY RESULT IN RESTORATION REQUIREMENTS.
- ENFORCEMENT NOTE 2:** IF THE ORANGE COUNTY S&E STAFF DETERMINES THAT EXCESSIVE SEDIMENT IS LEAVING THE SITE, A REVISED SEDIMENTATION AND EROSION CONTROL PLAN MAY BE REQUIRED, WITH ASSOCIATED REQUIREMENTS FOR ADDITIONAL S&E MEASURES.
- NOTE:** IF AN OFFSITE SOIL SPOIL OR BORROW SITE IS UTILIZED, THEN THE DISTURBED AREA FOR THE SPOIL/BORROW SITE MUST BE INCLUDED IN THE LAND-DISTURBANCE PLAN AND PERMIT UNLESS THE SPOIL/BORROW SITE ALREADY HAS A LAND-DISTURBANCE PERMIT.
- CONSTRUCTION SEQUENCE:**
1. THE OWNER SHALL POST A CONSTRUCTION SIGN AT THE DEVELOPMENT SITE THAT LISTS THE PROPERTY OWNER'S REPRESENTATIVE AND PHONE NUMBER, THE CONTRACTOR'S REPRESENTATIVE AND PHONE NUMBER, AND A TELEPHONE NUMBER FOR REGULATORY INFORMATION AT THE TIME OF ISSUANCE OF A BUILDING PERMIT. PRIOR TO THE COMMENCEMENT OF ANY LAND DISTURBING ACTIVITIES, THE CONSTRUCTION SIGN MAY HAVE A MAXIMUM OF 32 SF OF DISPLAY AREA AND MAXIMUM HEIGHT OF 8 FEET (5.14.3(h) OF LUMO) THE SIGN SHALL BE NON-ILLUMINATED, AND SHALL CONSIST OF LIGHT LETTERS ON A DARK BACKGROUND.
 2. INSTALL COMBINATION TREE PROTECTION/SILT FENCING IN ACCORDANCE WITH THE APPROVED SITE PLAN.
 3. CALL ORANGE COUNTY S&E OFFICE FOR INSPECTION OF TREE FENCE INSTALLATION (919)245-2586.
 4. OBTAIN ALL PERMITS AND APPROVALS NECESSARY TO BEGIN AND COMPLETE THE PROJECT. OBTAIN ALL PERMITS PRIOR TO BEGINNING ANY DISTURBANCE OF THE SITE SO WORK WILL NOT BE INTERRUPTED.
 5. SCHEDULE AND HOLD A PRE-CONSTRUCTION CONFERENCE PRIOR TO BEGINNING ANY LAND-DISTURBING ACTIVITIES. THIS CONFERENCE SHOULD BE ATTENDED BY A REPRESENTATIVE OF THE FINANCIALLY RESPONSIBLE PARTY AND/OR THE GENERAL CONTRACTOR, GRADING SUB-CONTRACTOR, EROSION CONTROL SUB-CONTRACTOR AND THE ORANGE COUNTY S&E OFFICE.
 6. OBTAIN LAND DISTURBING PERMIT AND PLACARD, AND POST THE PLACARD ON SITE.
 7. OBTAIN AN APPROVED (STAMPED) S&E CONTROL PLAN AND KEEP IT ON SITE, EITHER IN THE INSPECTION BOX, CONSTRUCTION OFFICE OR WITH THE CONTRACTOR.
 8. ONLY CLEAR THE AREA NECESSARY TO INSTALL GRAVEL CONSTRUCTION ENTRANCE, SILT FENCES, AND OTHER INITIAL EROSION CONTROL MEASURES.
 9. NOTIFY THE ORANGE COUNTY S&E SITE INSPECTOR AFTER MEASURES HAVE BEEN INSTALLED AND PROJECT HAS STARTED.
 10. BEGIN CLEARING, GRUBBING, AND GRADING OF SITE IN ACCORDANCE WITH APPROVED S&E CONTROL PLAN.
 11. PROVIDE ALL DISTURBED AREAS WITH GROUND COVER AFTER COMPLETION OF ANY PHASE OF CLEARING, GRUBBING OR GRADING. THE SEEDING, SEEDBED PREPARATION, MULCH AND/OR ROLLED EROSION CONTROL PRODUCT INSTALLATION MUST BE IN ACCORDANCE WITH THE SEEDING SCHEDULE PROVIDED IN THIS S&E PLAN.
 12. INSPECT AND MAINTAIN THE SEDIMENT CONTROL DEVICES SO THEY CONTINUE TO FUNCTION PROPERLY. THE PERSON RESPONSIBLE FOR EROSION CONTROL WILL OVERSEE THE INSPECTING AND MAINTENANCE OF THESE DEVICES. MEASURES SHOULD BE INSPECTED WEEKLY AND AFTER A RAINFALL OF MORE THAN 0.5 INCHES. EROSION CONTROL DEVICES SHALL BE REPLACED WHEN DAMAGED OR DO NOT APPEAR TO WORKING PROPERLY.
 13. IF IT IS DETERMINED DURING THE COURSE OF CONSTRUCTION THAT SIGNIFICANT SEDIMENT IS LEAVING THE PROJECT SITE DESPITE PROPER IMPLEMENTATION AND MAINTENANCE OF THE EROSION CONTROL PLAN, THE PERSON RESPONSIBLE FOR THE LAND DISTURBING ACTIVITY IS OBLIGATED TO TAKE ADDITIONAL PROTECTIVE ACTION.
 14. KEEP MUD AND DEBRIS OFF THE PUBLIC STREET AT ALL TIMES. IF MUD OR DEBRIS IS TRACKED FROM THE SITE, USE A SHOVEL AND BROOM TO REMOVE IT IMMEDIATELY. IF MUD AND DEBRIS ARE NOT KEPT OFF THE STREET, ENFORCEMENT ACTION (REVOKING THE GRADING PERMIT AND/OR A STOP WORK ORDER) MAY BE TAKEN.
 15. SEEDING AND RESTABILIZATION OF DISTURBED AREAS MUST BE ACCOMPLISHED PER THE PLANS AND SPECIFICATIONS WITHIN THE TIMEFRAMES GIVEN IN THE STABILIZATION TIME TABLE PROVIDED IN THIS S&E PLAN. SCHEDULE (6/00-8.1). CONTRACTOR IS RESPONSIBLE FOR TEMPORARY SEEDING THAT IS REQUIRED DURING THE PROJECT AT NO ADDITIONAL COST TO THE OWNER.
 16. AT THE CONCLUSION OF BUILDING OR IF LAND-DISTURBING ACTIVITY IS STOPPED, TEMPORARY OR PERMANENT VEGETATION COVER SHALL BE INSTALLED.
 17. WHEN CONSTRUCTION IS COMPLETE AND STABILIZED, CONTACT EROSION CONTROL PERSONNEL FOR AN INSPECTION.
 18. WHEN CONSTRUCTION IS COMPLETE AND ALL DISTURBED AREAS HAVE BEEN PERMANENTLY RESTABILIZED AND APPROVAL HAS BEEN GRANTED BY EROSION CONTROL PERSONNEL, REMOVE ALL TEMPORARY SEDIMENT CONTROL DEVICES. REMOVE AND PROPERLY DISPOSE OF ACCUMULATED SEDIMENT AND DEBRIS FROM THE DEVICES AND RESTABILIZE AREAS DISTURBED BY THEIR REMOVAL.

4/SD-4.0
AREA OF DISTURBANCE NOTES

ON-SITE DISTURBED AREA = 36,367 SF / 0.83 AC (PRE ROW DEDICATION)
 ROW DISTURBED AREA = 1,731 SF / 0.04 AC (PRE ROW DEDICATION)
 OFF-SITE ROW DISTURBED AREA = 167 SF / 0.004 AC (PRE ROW DEDICATION)
 ON-SITE DISTURBED AREA = 33,318 SF / 0.76 AC (POST ROW DEDICATION)
 ROW DISTURBED AREA = 4,780 SF / 0.11 AC (POST ROW DEDICATION)
 OFF-SITE ROW DISTURBED AREA = 167 SF / 0.004 AC (POST ROW DEDICATION)

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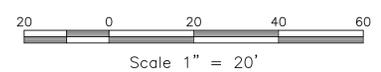
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**SITE PLANS
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FOR CONSTRUCTION**

Sheet Title
**EROSION
CONTROL
PLAN**

Sheet Number
SD-4.0

1/SD-4.0
EROSION CONTROL PLAN
SCALE: 1" = 20'

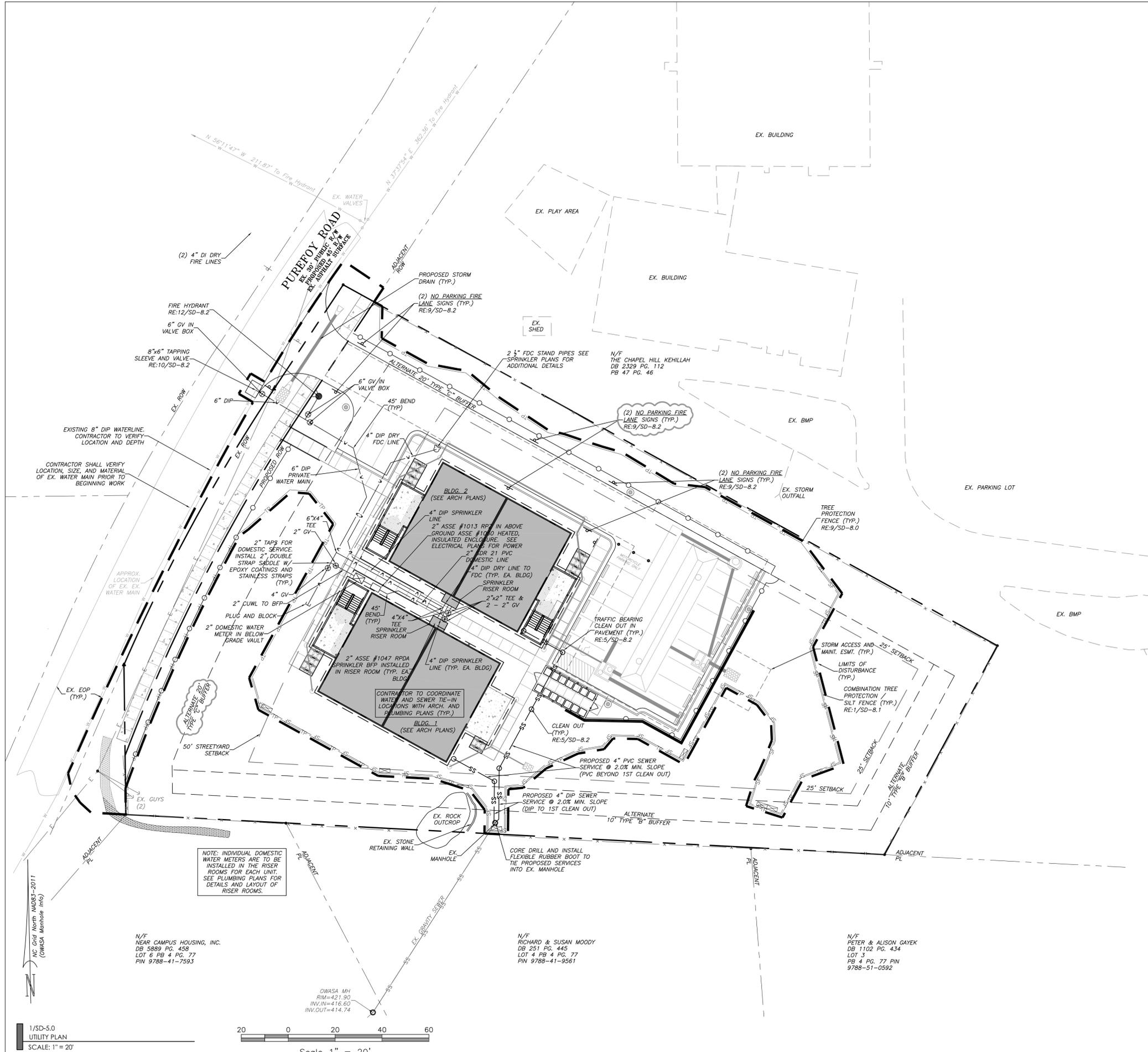


NC Grid North MDB3-2011
(OMSA, Maricopa Info)

N/F
NEAR CAMPUS HOUSING, INC.
DB 5889 PG. 458
LOT 6 RB 4 PG. 77
PIN 9788-41-7593

N/F
RICHARD & SUSAN MOODY
DB 251 PG. 445
LOT 4 RB 4 PG. 77
PIN 9788-41-9561

N/F
PETER & ALISON GAYEK
DB 1102 PG. 434
LOT 3
PB 4 PG. 77 PIN
9788-51-0592



2/SD-5.0
UTILITY PLAN NOTES

- GENERAL NOTES:
- CONTRACTOR SHALL NOTIFY "NORTH CAROLINA ONE CALL" (1-800-632-4949) AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR TO CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICE INDEPENDENT OF "NORTH CAROLINA ONE CALL".
 - ALL WATER AND SEWER MAINS WITHIN PUBLIC EASEMENTS AND RIGHT-OF-WAYS TO BE OWNED, OPERATED AND MAINTAINED BY THE TOWN OF CHAPEL HILL AND/OR OWASA.
 - ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL AND OWASA STANDARDS AND SPECIFICATIONS.
 - ALL EXISTING UNDERGROUND UTILITIES ARE APPROXIMATELY LOCATED. ACTUAL LOCATION AND DEPTH SHALL BE CONFIRMED IN THE FIELD PRIOR TO CONSTRUCTION.
 - BEFORE STARTING ANY CONSTRUCTION OF IMPROVEMENTS WITHIN ANY TOWN OR N.C.D.O.T. STREET OR HIGHWAY RIGHT-OF-WAY THE FOLLOWING PROCEDURES SHOULD BE UNDERTAKEN; TOWN RIGHT-OF-WAY: CONTACT LOCAL AUTHORITIES' TRAFFIC ENGINEERING DEPT. FOR INFORMATION ON DETOURS, OPEN CUTTING OF STREETS OR FOR ANY CONSTRUCTION WITHIN RIGHT-OF-WAY. N.C.D.O.T. RIGHT-OF-WAY: CONTACT PROJECT ENGINEERS AND OBTAIN ALL PERMITS AND ENCROACHMENTS (KEEP COPIES ON CONSTRUCTION SITE, ALSO CONTACT N.C.D.O.T. DISTRICT OFFICE 24 HOURS IN ADVANCE BEFORE PLACING CURB AND GUTTER).
 - ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADING CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
 - POWER, TELEPHONE, CABLE AND GAS SERVICES TO BUILDINGS SHALL BE UNDERGROUND. ACCESS AND SERVICE ROUTES TO BE COORDINATED WITH THE PUBLIC UTILITIES, CONTRACTOR AND THE OWNER.
 - RESURFACING OF STREET DUE TO UTILITY CUTS SHALL BE REQUIRED AT THE DIRECTION OF ENGINEERING. (MINIMUM 50' TO EITHER SIDE OF UTILITY CUTS).
 - A SINGLE ELECTRICAL SERVICE SHALL BE PROVIDED TO SERVE EACH STRUCTURE. ARTICLE 230.2 (A) 2014 EDITION OF NORTH CAROLINA ELECTRIC CODE.

- SANITARY SEWER:
- BACKFLOW PREVENTERS SHALL BE PROVIDED FOR ALL UNITS WITH FINAL FLOOR ELEVATIONS OF BUILDINGS LESS THAN 1'-0" ABOVE UPSTREAM MANHOLE.
 - MINIMUM COVER OF 5 FEET IN TRAFFIC AREAS TO BE PROVIDED FOR ALL COLLECTOR LINES 4 INCHES AND LARGER. IF LESS THAN 5 FEET, DUCTILE IRON PIPE SHALL BE REQUIRED.
 - MINIMUM SLOPE FOR 4 INCH SANITARY SEWER COLLECTION LINES SHALL BE NO LESS THAN 2.0% WITH CLEANOUTS EVERY 75 LINEAL FEET.
 - MINIMUM SLOPE FOR 6 INCH SANITARY SEWER COLLECTION LINES SHALL BE NO LESS THAN 1.0% WITH CLEANOUTS EVERY 75 LINEAL FEET.

- WATER:
- WATERLINES WILL BE 3' OFF CURB AND GUTTER UNLESS SHOWN OTHERWISE.
 - LAY WATER MAINS AT LEAST 10 FEET LATERALLY FROM EXISTING OR PROPOSED SANITARY SEWERS. IF LOCAL CONDITIONS OR BARRIERS PREVENT A 10 FOOT SEPARATION, LAY THE WATER MAIN WITH AT LEAST 18" VERTICAL SEPARATION ABOVE THE TOP OF THE SANITARY SEWER PIPE EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON A BENCH OF UNDISTURBED EARTH.
 - WHEN A PROPOSED WATER MAIN CROSSES OVER A PROPOSED OR EXISTING SANITARY SEWER, LAY THE WATER MAIN WITH AT LEAST 18" VERTICAL SEPARATION ABOVE THE TOP OF THE SANITARY SEWER. IF LOCAL CONDITIONS PREVENT AN 18" VERTICAL SEPARATION, CONSTRUCT BOTH THE WATER MAIN AND THE SANITARY SEWER FOR A DISTANCE OF 10 FEET ON EACH SIDE TO THE POINT OF CROSSING WITH FERROUS PIPE HAVING WATER MAIN QUALITY JOINTS.
 - WHEN A PROPOSED WATER MAIN CROSSES UNDER A PROPOSED OR EXISTING SANITARY SEWER, CONSTRUCT BOTH THE WATER MAIN AND THE SANITARY SEWER OF FERROUS MATERIALS WITH JOINTS THAT ARE EQUIVALENT TO WATER MAIN STANDARDS FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE POINT OF CROSSING. CENTER THE SECTION OF WATER PIPE AT THE POINT OF CROSSING.
 - MAINTAIN A MINIMUM COVER OF 42" BELOW FINISHED GRADE OVER ALL PIPES UNLESS OTHERWISE DIRECTED OR SHOWN ON THE PLANS. DUE TO THE HEIGHTS OF VALVES, INCREASE THE COVER DEPTHS ADJACENT TO THE VALVES OR VARIED AT POINTS OF TIE-IN TO EXISTING LINES.
 - ALL HYDRANT(S) TO BE PROVIDED WITH 5 INCH DIAMETER STORZ CONNECTIONS.
 - CONTRACTOR SHALL SUPPLY ALL FITTINGS NECESSARY TO CONNECT WATER FEATURES TO EXISTING AND PROPOSED LINES IN ACCORDANCE WITH OWASA STANDARDS AND SPECIFICATIONS.
 - ALL FDC'S SHALL MEET THE DESIGN REQUIREMENTS FOR THE CURRENT, APPROVED EDITION OF NFPA 13, 13D, 13R, 0214 OF THE NFPA 2012 AND TOWN ORDINANCES; 7-38 FOR LOCATION.
 - AN AUTOMATIC SPRINKLER SYSTEM MEETING THE REQUIREMENTS OF NFPA STANDARD #13 SHALL BE INSTALLED IN EACH BUILDING. ACTIVATION OF THE SPRINKLER SYSTEM SHALL ACTIVATE BOTH A LOCAL BUILDING ALARM AND A SUPERVISORY ALARM AT A 24-HOUR CERTIFIED AND LICENSED ALARM MONITORING SERVICE.

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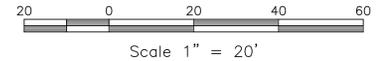
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**SITE PLANS
NOT ISSUED
FOR CONSTRUCTION**

Sheet Title
**UTILITY
PLAN**

Sheet Number
SD-5.0

1/SD-5.0
UTILITY PLAN
SCALE: 1" = 20'



NOTE: INDIVIDUAL DOMESTIC WATER METERS ARE TO BE INSTALLED IN THE RISER ROOMS FOR EACH UNIT. SEE PLUMBING PLANS FOR DETAILS AND LAYOUT OF RISER ROOMS.

N/F
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DB 5889 PG. 458
LOT 6 RB 4 PG. 77
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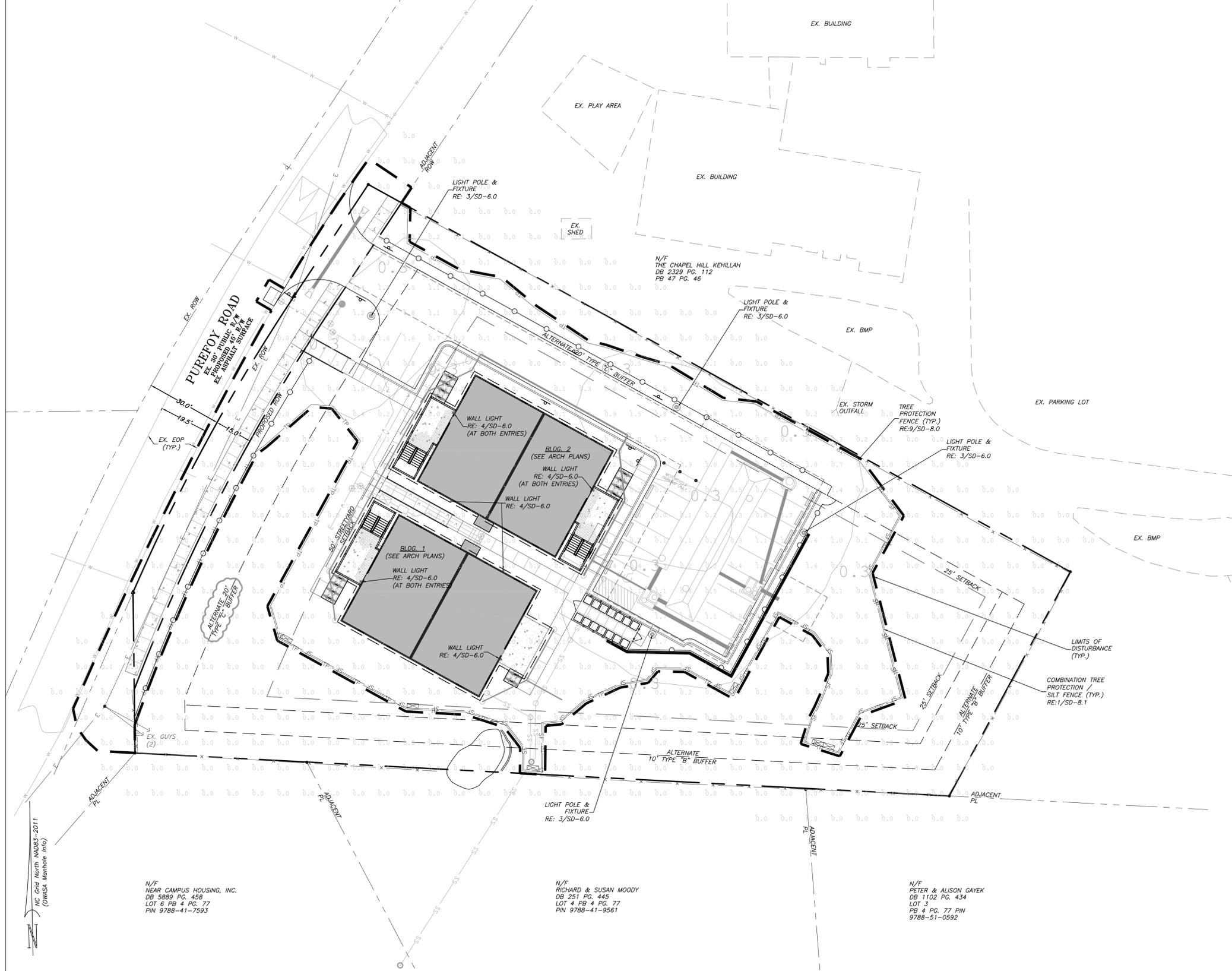
N/F
RICHARD & SUSAN MOODY
DB 251 PG. 445
LOT 4 RB 4 PG. 77
PIN 9788-41-9561

N/F
PETER & ALISON GAYEK
DB 1102 PG. 434
LOT 3
PB 4 PG. 77 PIN
9788-51-0592

OWASA MH
RIM=421.90
INV.IN=416.60
INV.OUT=414.74

NC Grid North MDBS-2011
(OWASA Manhole Info)

1. MEASURES SHALL BE PROVIDED TO PREVENT LIGHT SPILLOVER ONTO ADJACENT PROPERTIES AND GLARE TOWARD MOTOR VEHICLE OPERATORS. EXTERIOR LIGHTS SHALL BE SHIELDED SO THEY DO NOT CAST DIRECT LIGHT BEYOND THE PROPERTY LINE.
2. CONTRACTOR TO PROVIDE 2" SCH 40 PVC GRAY ELECTRICAL CONDUIT UNDER PAVEMENT, UNDER HEAVILY LANDSCAPED AREAS AND AS NECESSARY TO PROVIDE ACCESS TO ALL LIGHT FIXTURES AND CONNECT BACK TO ELECTRICAL TIE IN LOCATIONS.
3. CONTRACTOR TO COORDINATE LIGHT POLE AND CONDUIT LOCATIONS PRIOR TO PAVING.
4. ALL ELECTRICAL CONDUIT, LIGHT POLES AND FIXTURES SHALL BE FURNISHED BY THE CONTRACTOR.
5. ALL CONDUIT ENDS ARE TO BE CAPPED TO PREVENT ENTRY OF DEBRIS.
6. ALL CONDUITS MORE THAN 30' IN LENGTH SHALL HAVE A POLY STRING INSTALLED.
7. ALL JOINTS ARE TO BE SOLVENT WELDED.



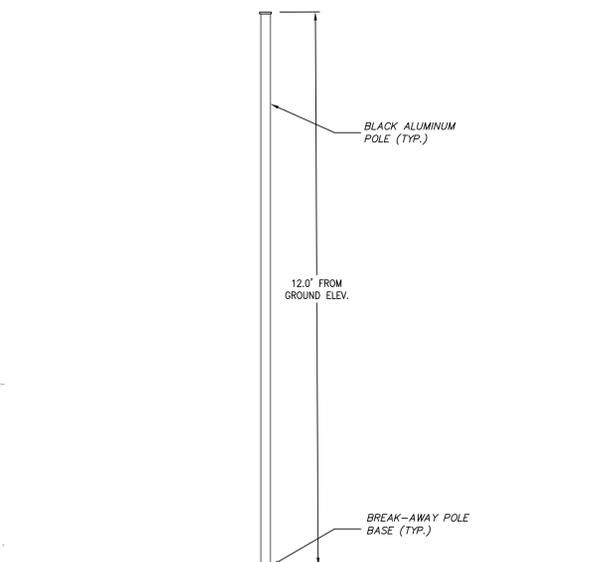
Outdoor Lighting
Enterprise LED

Illuminates streetscapes and pedestrian areas with the Enterprise LED. This sleek, energy-efficient fixture will add modern appeal to any neighborhood or park.

70	4K	AS	G3	B	S
LED (Light Emitting Diode)		50 watts			
Mounting heights		12', 13', 15'			
Color		Black			
Poles		Smooth round concrete Fluted concrete Fiberglass Decorative aluminum			

LIGHT FIXTURE NOTES:

1. ENTERPRISE LED LIGHT FIXTURE SHALL BE MOUNTED ON A 12' TALL POLL.
2. CONTRACTOR SHALL USE DUKE ENERGY POLE "SMOOTH ROUND CONCRETE".
3. LIGHT POLE AND FIXTURE SHALL BE BLACK.
4. CONTRACTOR SHALL COORDINATE LIGHT INSTALLATION W/ DUKE ENERGY.



LIGHT POLE NOTES:

1. LIGHT POLE SHALL BE DUKE ENERGY "SMOOTH ROUND CONCRETE" POLE.
2. LIGHT POLE SHALL HAVE DUKE ENERGY BLACK FINISH.
3. CONTRACTOR SHALL COORDINATED LIGHT POLE INSTALLATION WITH DUKE ENERGY.

**3/SD-6.0
LIGHT POLE & FIXTURE DETAIL
NTS**

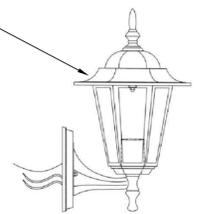
PORTFOLIO OUTDOOR WALL LANTERN
MODEL# FS13025-B
OR OWNER APPROVED ALTERNATE

BLACK DIE-CAST ALUMINUM
FIXTURE

60 WATT MEDIUM BASE
INCANDESCENT

HARD WIRED PER MANUFACTURER
RECOMMENDATIONS AND ALL
APPLICABLE BUILDING CODES.

**4/SD-6.0
WALL MOUNTED LIGHT
NTS**

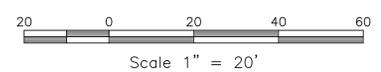


NC Grid North MDOB3-2011
(ONMSA, Maritime Info)

N/F
NEAR CAMPUS HOUSING, INC.
DB 5889 PG. 458
LOT 6 RB 4 PG. 77
PIN 9788-41-7593

N/F
RICHARD & SUSAN MOODY
DB 251 PG. 445
LOT 4 RB 4 PG. 77
PIN 9788-41-9561

N/F
PETER & ALISON GAYEK
DB 1102 PG. 434
LOT 3
PB 4 PG. 77 PIN
9788-51-0592



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LIC # C-1209
NC BOARD OF LANDSCAPE
ARCHITECTS LIC # C-104



Project
**PUREFOY
ROAD
APARTMENTS**

111 PUREFOY ROAD
CHAPEL HILL NC, 27514
ORANGE COUNTY NC

PIN: 9788419609
PID: 8801003

Job Number 1642

Drawn	MTC, ED
Checked	PBR, AJP
Date	10/10/2016
Revisions	1. 5/25/2017
	2. 2/9/2018
	3. 4/18/2018

**SITE PLANS
NOT ISSUED
FOR CONSTRUCTION**

Sheet Title

**SITE
LIGHTING
PLAN**

Sheet Number

SD-6.0

Tree Table :

1	10"	Magnolia	26	24"	Pine
2	18"	Oak	27	18"	Hickory
3	20"	Pine	28	16"	Oak
4	22"	Pine	29	20"	Pine
5	22"	Pine	30	16"	Pine
6	26"	Pine	31	30"	Twin Pine
7	36"	Oak	32	18"	Pine
8	30"	Oak	33	36"	Twin Pine
9	30"	Oak	34	24"	Pine
10	38"	Oak	35	24"	Twin Oak
11	16"	Cedar	36	24"	Pine
12	22"	Cedar	37	30"	Pine
13	18"	Hickory	38	18"	Paplar
14	18"	Hickory	39	12"	Hickory
15	30"	Pine	40	36"	Pine
16	18"	Pine	41	18"	Maple
17	32"	Hickory	42	12"	Pine
18	16"	Maple	43	14"	Pine
19	24"	Triple Hackberry	44	10"	Pine
20	36"	Pine	45	10"	Hickory
21	36"	Pine	46	14"	Pine
22	48"	Bald Cypress	47	12"	Pine
23	18"	Pine	48	12"	Pine
24	30"	Pine	49	8"	Twin Cherry
25	22"	Pine	50	16"	Pine

1/SD-7.0
PLANT SCHEDULE

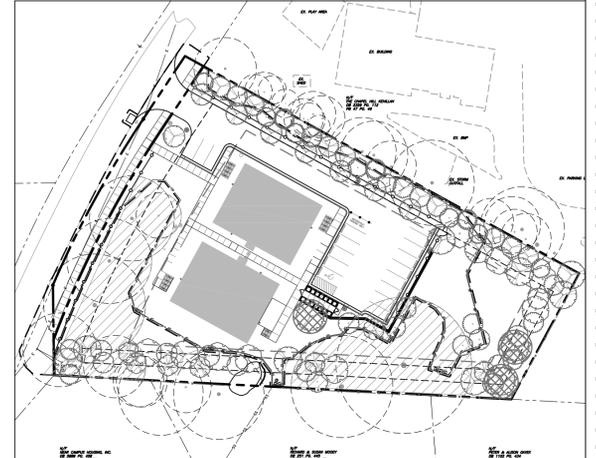
KEY	QTY.	BOTANICAL NAME	COMMON NAME	Cal*	HT*	ROOT	REMARKS
DECIDUOUS / EVERGREEN CANOPY TREES							
JV	3	Juniperus virginiana	Eastern Red Cedar	-	10-12'	B&B	Full, Match, Straight leader
QP	14	Quercus phellos	Willow Oak	2.5"	12-14'	B&B	Full, Match, Straight leader
QS	8	Quercus shumardii	Shumard Oak	2.5"	12-14'	B&B	Full, Match, Straight leader
DECIDUOUS UNDERSTORY TREES							
CC	13	Cercis canadensis 'Forest Pansy'	Forest Pansy Red Bud	1.5"	8-10'	B&B	Full, Match, Straight leader
CF	8	Cornus florida	Flowering Dogwood	1.5"	8-10'	B&B	Full, Match, Straight leader
IV	8	Ilex vomitoria	Yaupon Holly	1.5"	6-8'	B&B	Full, Match, Straight leader
LA	8	Lagerstroemia indica x fauriei 'Natchez'	Natchez Crape Myrtle	1.5"	6-8'	B&B	Single Straight Leader
MG	1	Magnolia grandiflora 'Little Gem'	Little Gem Magnolia	-	6-8'	B&B	Full, Match, Straight leader
MS	8	Magnolia stellata	Star Magnolia	-	6-8'	B&B	Full, Match, Multi leader
PC	12	Prunus caroliniana	Cherry Laurel	1.5"	6-8'	B&B	Full, Match, Straight leader
DECIDUOUS / EVERGREEN SHRUBS							
AE	52	Abelia 'Edward Goucher'	Edward Goucher Abellia	-	18"	3 GAL	Full, Match
FI	18	Forsythia x intermedia	Goldenbell	-	18"	3 GAL	Full, Match
IG	21	Ilex glabra	Inkberry Holly	-	18"	3 GAL	Full, Match
LC	41	Loropetalum chinensis var. rubrum Ilex glabra 'Crimson Fire'	Loropetalum	-	18"	3 GAL	Full, Match
MB	8	Mahonia bealei	Oregon Grape	-	18"	3 GAL	Full, Match
LC	19	Pieris japonica	Japanese Pieris	-	18"	3 GAL	Full, Match
RD	27	Rhododendron 'Delaware Valley White'	White Azalea	-	18"	3 GAL	Full, Match

*CAL. AND HT. REFERS TO SIZE OF PLANT MATERIAL AT TIME OF INSTALLATION.
ALL PLANT MATERIAL SPECIFIED MUST MEET OR EXCEED THE PLANT CAL. AND HT. AT TIME OF INSTALLATION.

2/SD-7.0
LANDSCAPE PLAN NOTES

- LANDSCAPING MUST BE IN PLACE PRIOR TO REQUEST FOR A CERTIFICATE OF OCCUPANCY OR CERTIFICATE OF COMPLIANCE.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, DEPTHS, QUANTITIES, DISTANCES, ANGLES AND SLOPES PRIOR TO ORDERING MATERIALS OR INSTALLING PROJECT.
- IN AREAS OF GROUND COVER, MAINTAIN A 12" MINIMUM DISTANCE BETWEEN PLANTS AND HARD IMPROVEMENTS.
- BED LINES SHALL CONFORM TO CONFIGURATION SHOWN ON THE PLANS. BED LINES SHALL MEET CURBS, WALKS, BUILDINGS, ETC. AT RIGHT ANGLES UNLESS SHOWN OTHERWISE.
- CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH ACTUAL CONDITIONS AND VERIFY EXISTING CONDITIONS IN THE FIELD. CONTRACTOR SHALL REPORT ALL DISCREPANCIES TO LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL ACCEPT ACTUAL CONDITIONS AT SITE AND PERFORM THE WORK SPECIFIED INCLUDING FINE GRADING AND INCORPORATION OF TOP SOIL INTO PLANTING AREAS, WITHOUT ADDITIONAL COMPENSATION FOR POSSIBLE VARIATION FROM GRADES AND CONDITIONS SHOWN, WHETHER SURFACE OR SUBSURFACE, EXCEPT AS PROVIDED FOR IN CONTRACT DOCUMENTS.
- IN LAWN AREAS, 2" TOPSOIL SHALL BE TILLED INTO THE TOP 5" OF GROUND PRIOR TO SEEDING.
- CONTRACTOR WILL OBTAIN WRITTEN APPROVAL FROM LANDSCAPE ARCHITECT FOR ANY PLANT SUBSTITUTIONS OF SPECIES, SIZE, OR TYPE OF CONTAINER.
- CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF THESE UTILITIES DURING INSTALLATION, AND SHALL PROMPTLY REPAIR AND RESTORE SERVICES AT NO ADDITIONAL COST TO THE OWNER IF DAMAGE OCCURS DURING INSTALLATION. CONTRACTOR SHALL BECOME THOROUGHLY FAMILIAR WITH THE FULL SET OF CONSTRUCTION DRAWINGS AND SPECIFICATIONS FOR COORDINATION WITH UTILITIES, ARCHITECTURAL FEATURES, ETC.
- CONTRACTOR WILL LEAVE DISTURBED AREAS LEVEL AND RAKED SMOOTH, REMOVING ALL ROCKS AND DEBRIS.
- MULCH TREE RINGS TO BE 3" LAYER OF TRIPLE SHREDDED HARDWOOD MULCH. MULCH IS TO BE KEPT AWAY FROM TREE TRUNKS. PINE STRAW MULCH TO EXTENTS OF ALL LANDSCAPE BUFFERS.
- ANY DAMAGE TO EXISTING CONDITIONS OUTSIDE THE CONTRACT LIMITS, INCLUDING CURBS, SIDEWALKS, TURF AREAS AND PAVING, SHALL BE RESTORED TO ORIGINAL CONDITION BY THE CONTRACTOR WITHOUT EXTRA COST TO THE OWNER.
- IN CASE OF DISCREPANCY BETWEEN THE QUANTITY OF PLANTS ON THE PLANS COMPARED TO THE PLANT LIST, THE CONTRACTOR SHALL SUPPLY QUANTITIES AS SHOWN ON THE PLANS.
- ALL UNPAVED SURFACES ARE TO BE COVERED IN PLANTS, MULCH, OR GRASS.

3/SD-7.0
PROPOSED TREE CANOPY COVERAGE
SCALE: 1" = 60'



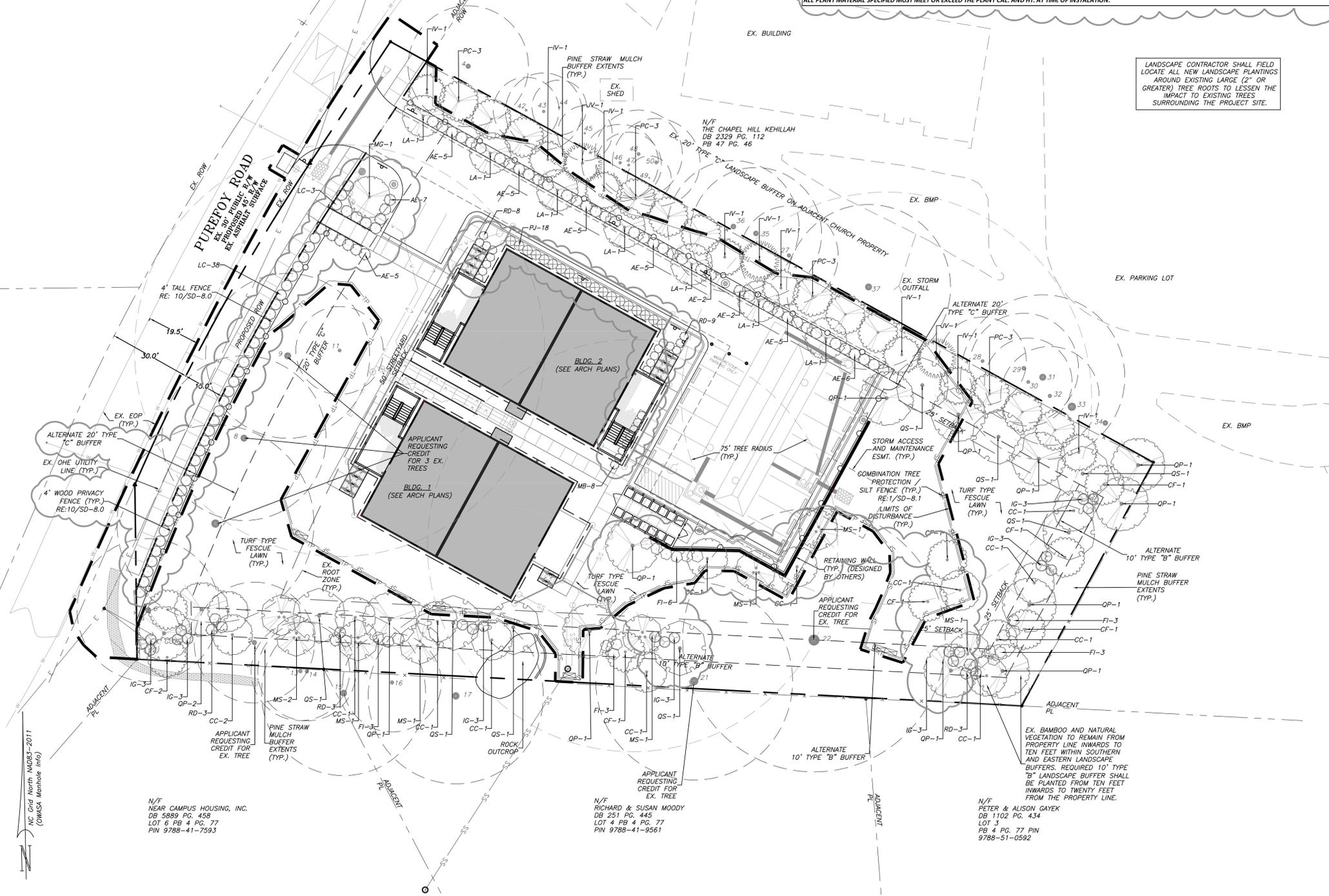
USE CLASSIFICATION - MULTI-FAMILY
NET LOT AREA = 53,756.70 SF
CREDITS
STORMWATER EASEMENT: - 7,323 SF
TOTAL CREDITS: - 7,323 SF
ADJUSTED NET LOT AREA = 46,433.70 SF
MINIMUM TREE CANOPY COVERAGE (MULTI-FAMILY USE) = 30%
46,433.70 SF x 0.3 = 13,930.11 SF REQUIRED
EXISTING TREE CANOPY PROTECTED = 12,431 SF
AREA TO BE REPLANTED IN TREES = 1,499.11 SF
1 - 2.5" CALIBER CANOPY TREE / 500 SF
1,499.11 / 500 = 3 REPLACEMENT CANOPY TREES REQUIRED
3 REPLACEMENT CANOPY TREES PROVIDED

4/SD-7.0
PARKING AREA PLANTING REQUIREMENTS

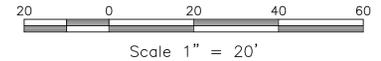
LESS THAN 20 PARKING SPACES ARE PROPOSED THUS INTERIOR ISLANDS ARE NOT REQUIRED.
NO PARKING SPACE SHALL BE FURTHER THAN SEVENTY-FIVE FEET FROM THE TRUNK OF A CANOPY TREE.
3 CANOPY TREES PROVIDED FOR PARKING LOT COVERAGE.

5/SD-7.0
LANDSCAPE BUFFER CALCULATIONS

PUREFOY RD. = 20' TYPE "C" (EXTERIOR) LANDSCAPE BUFFER REQUIREMENTS = 250 LF:
(5 LARGE TREES PER 100 LF) 217 X 0.05 = 11 LARGE TREES REQUIRED
(10 SMALL TREES PER 100 LF) 217 X 0.1 = 22 SMALL TREES REQUIRED
(36 SHRUBS PER 100 LF) 217 X 0.36 = 78 SHRUBS REQUIRED
*ALTERNATE 20' TYPE "C" (EXTERIOR) LANDSCAPE BUFFER PLANTINGS**
4 EXISTING TREES
1 LARGE TREE PROVIDED
6 SMALL TREES PROVIDED
59 SHRUBS PROVIDED
160 LF WOOD SCREEN FENCE
SOUTHERN = 10' TYPE "B" (INTERIOR) ALTERNATE LANDSCAPE BUFFER REQUIREMENTS = 324 LF:
(4 LARGE TREES PER 100 LF) 324 X 0.04 = 13 LARGE TREES REQUIRED (10 PROVIDED, 3 EXISTING)
(7 SMALL TREES PER 100 LF) 324 X 0.07 = 23 SMALL TREES REQUIRED (23 PROVIDED)
(12 SHRUBS PER 100 LF) 324 X 0.12 = 39 SHRUBS REQUIRED (39 PROVIDED)
EASTERN = 10' TYPE "B" (INTERIOR) ALTERNATE LANDSCAPE BUFFER = 101 LF:
(4 LARGE TREES PER 100 LF) 101 X 0.04 = 4 LARGE TREES REQUIRED (4 PROVIDED)
(7 SMALL TREES PER 100 LF) 101 X 0.07 = 7 SMALL TREES REQUIRED (7 PROVIDED)
(12 SHRUBS PER 100 LF) 101 X 0.12 = 12 SHRUBS REQUIRED (12 PROVIDED)
NORTHERN = 20' TYPE "C" (INTERIOR) LANDSCAPE BUFFER = 318 LF:
(5 LARGE TREES PER 100 LF) 318 X 0.05 = 16 LARGE TREES REQUIRED
(10 SMALL TREES PER 100 LF) 318 X 0.10 = 32 SMALL TREES REQUIRED
(36 SHRUBS PER 100 LF) 318 X 0.36 = 114 SHRUBS REQUIRED
*ALTERNATE 20' TYPE "C" (INTERIOR) LANDSCAPE BUFFER PLANTINGS**
10 LARGE TREES PROVIDED
28 SMALL TREES PROVIDED
40 SHRUBS PROVIDED
331 LF WOOD SCREEN FENCE



1/SD-7.0
LANDSCAPE PLAN
SCALE: 1" = 20'



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LIC # C-1209
NC BOARD OF LANDSCAPE
ARCHITECTS LIC # C-104



Project
PUREFOY
ROAD
APARTMENTS
111 PUREFOY ROAD
CHAPEL HILL NC, 27514
ORANGE COUNTY NC

PIN: 9788419609
PID: 8801003

Job Number 1642

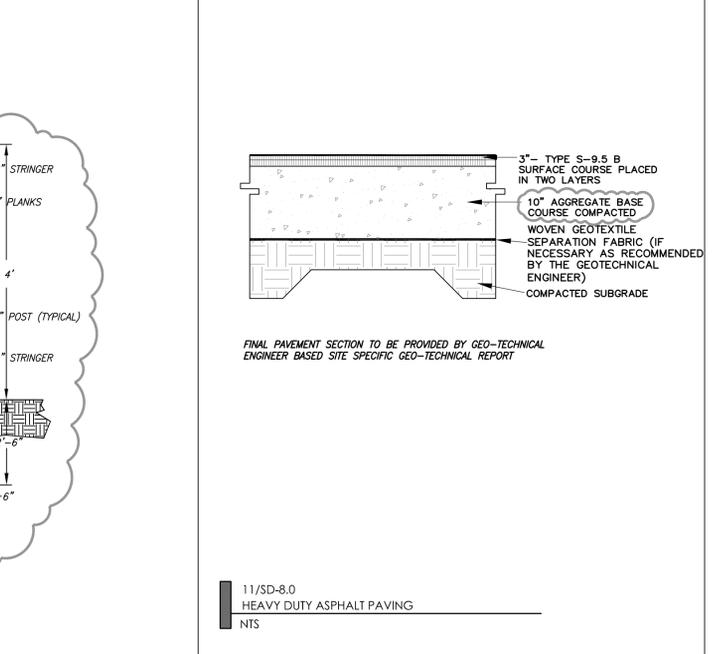
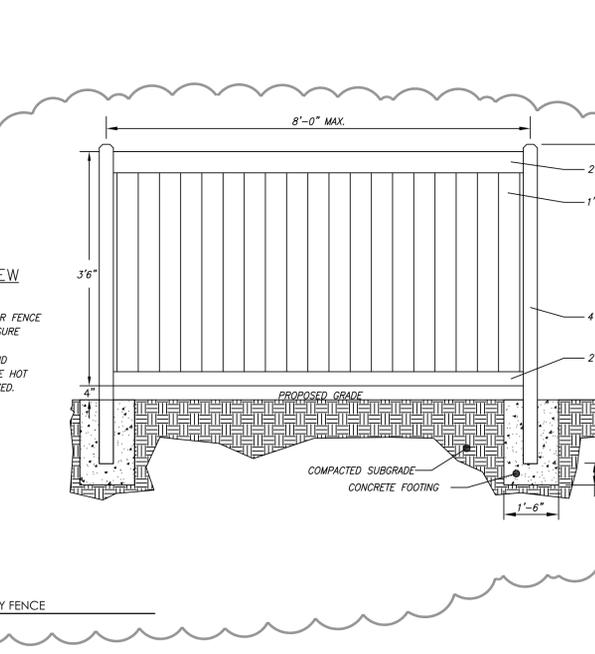
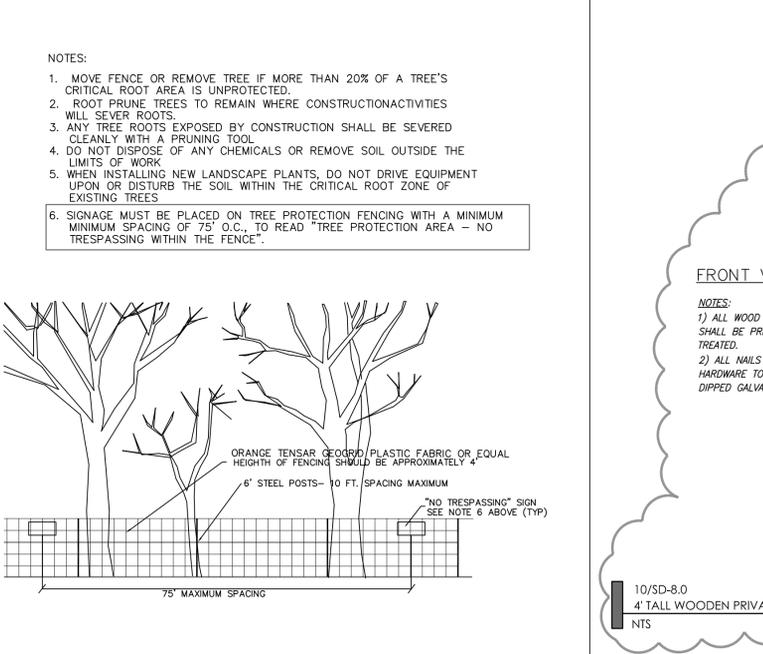
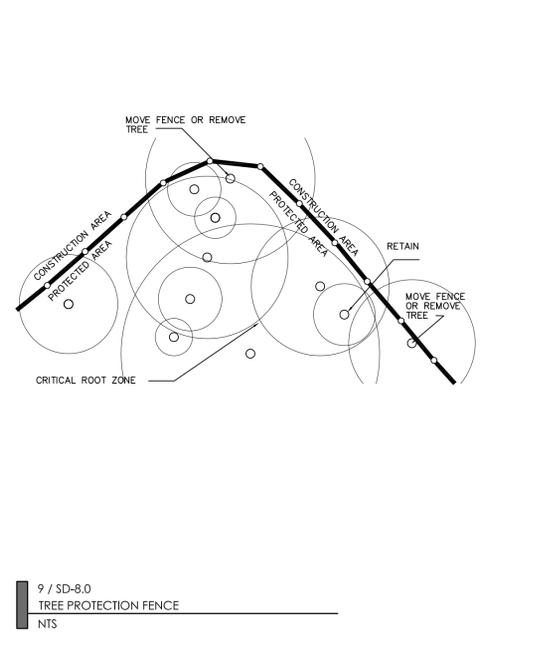
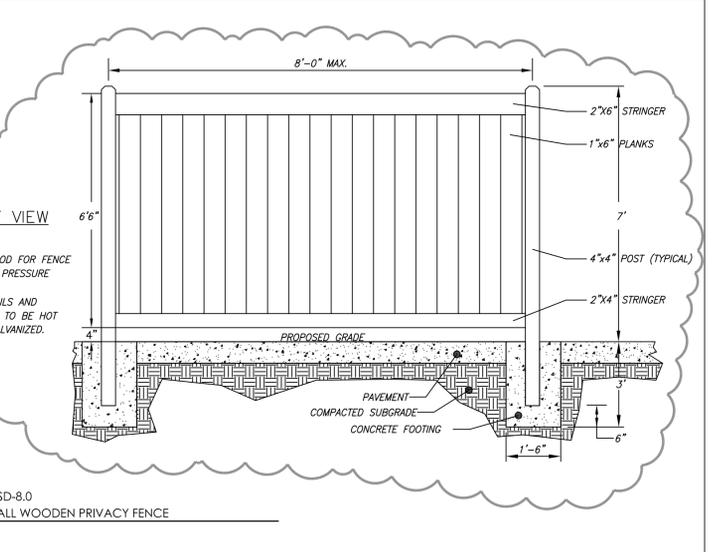
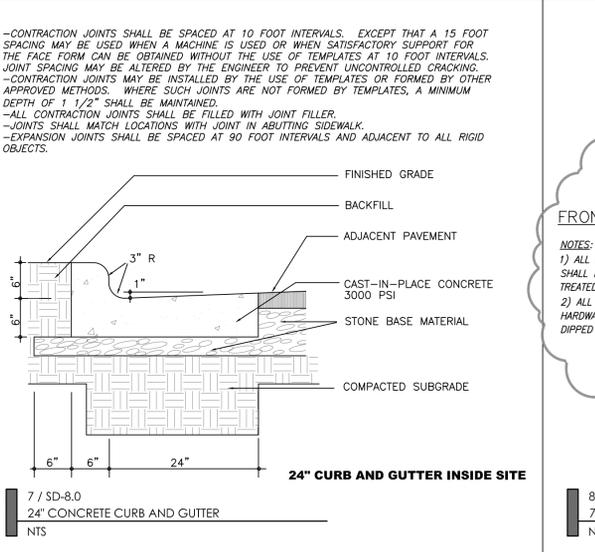
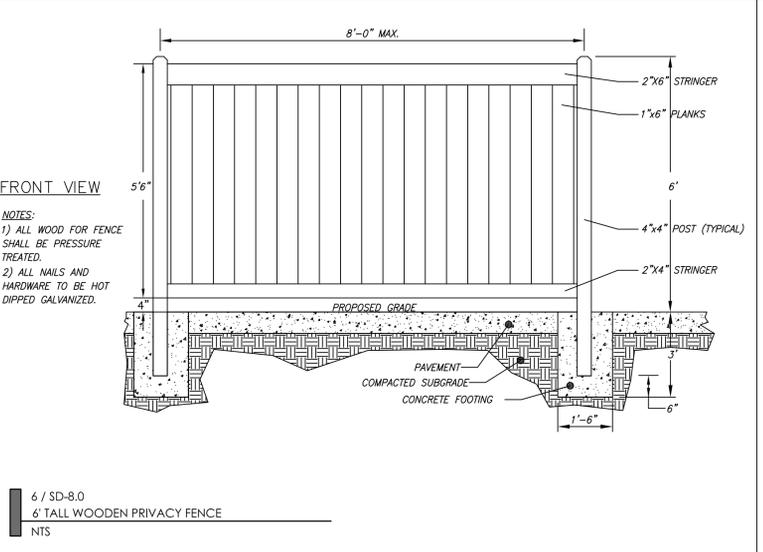
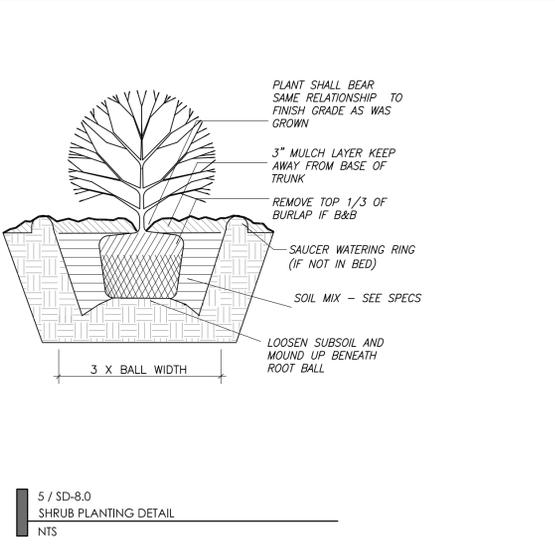
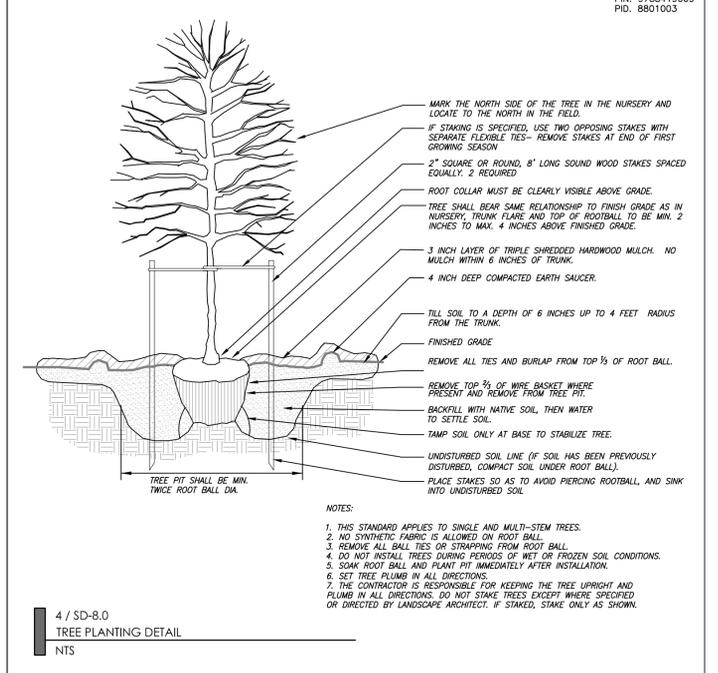
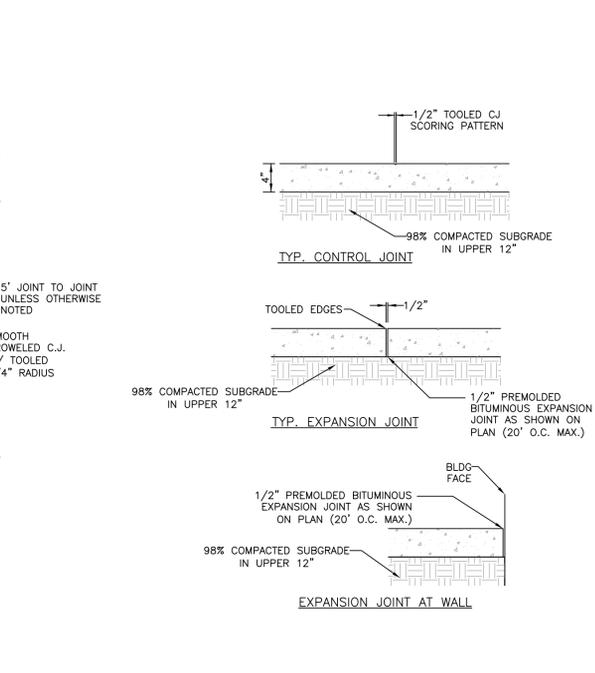
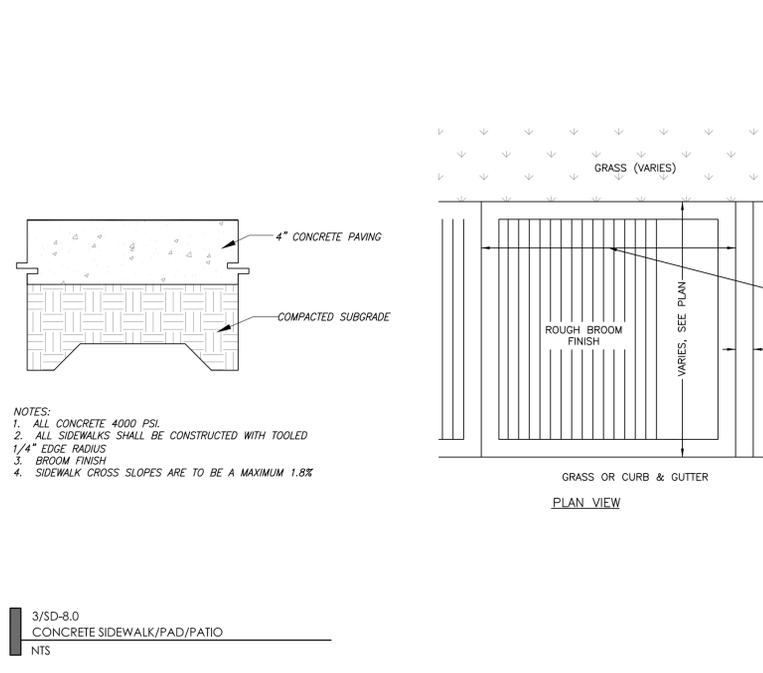
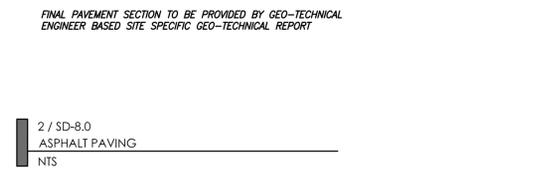
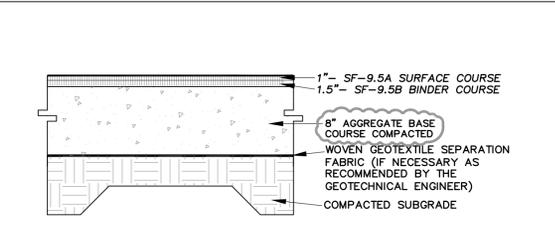
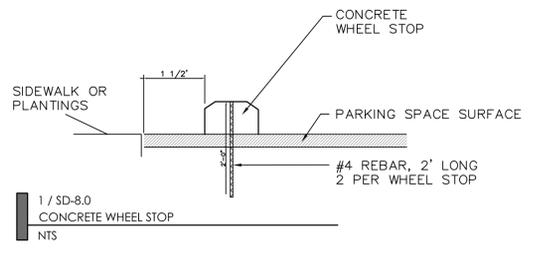
Drawn	MIC, ED
Checked	PBR, AJP
Date	10/10/2016
Revisions	1. 5/28/2017
	2. 2/9/2018
	3. 4/18/2018

SITE PLANS
NOT ISSUED
FOR CONSTRUCTION

Sheet Title
LANDSCAPE
PLAN

Sheet Number

SD-7.0



PIN: 9788419609
PID: 8801003

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NC BOARD OF LANDSCAPE ARCHITECTS LIC # C-104

Project: **PUREFOY ROAD APARTMENTS**

111 PUREFOY ROAD
CHAPEL HILL NC, 27514
ORANGE COUNTY NC

PIN: 9788419609
PID: 8801003

Job Number: 1642

Drawn	MTC, ED
Checked	PBR, AJP
Date	10/10/2016
Revisions	1. 5/25/2017
	2. 2/9/2018
	3. 4/18/2018

SITE PLANS
NOT ISSUED
FOR CONSTRUCTION

Sheet Title: **SITE DETAILS**

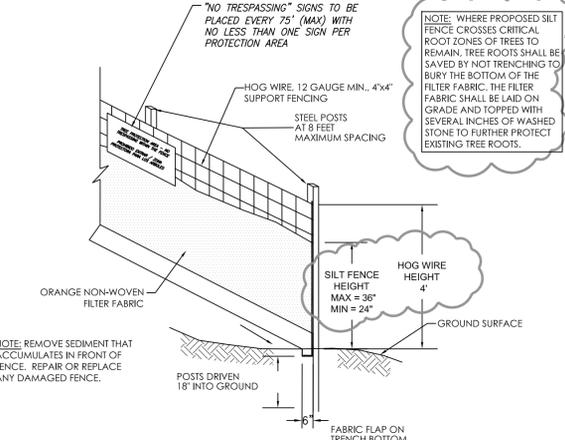
Sheet Number: **SD-8.0**



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**1 / SD-8.1
COMBINATION TREE PROTECTION FENCE SILT FENCE
NTS**

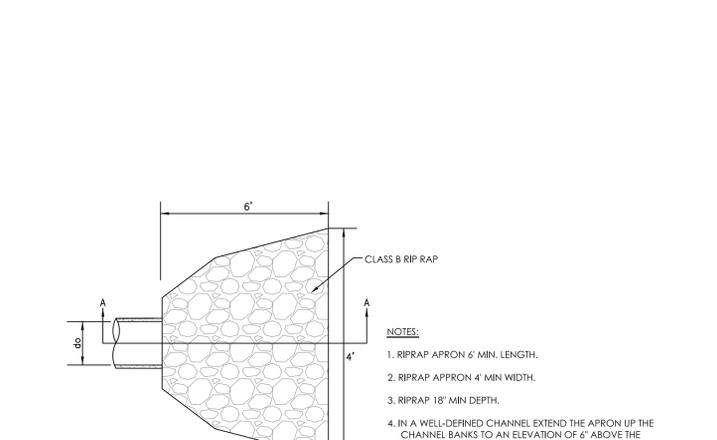
NOTE: REMOVE SEDIMENT THAT ACCUMULATES IN FRONT OF FENCE. REPAIR OR REPLACE ANY DAMAGED FENCE.

NOTE: WHERE PROPOSED SILT FENCE CROSSES CRITICAL ROOT ZONES OF TREES TO REMAIN, TREE ROOTS SHALL BE SAVED BY NOT TRENCHING TO BURY THE BOTTOM OF THE FILTER FABRIC. THE FILTER FABRIC SHALL BE LAID ON GRADE AND TOPPED WITH SEVERAL INCHES OF WASHED STONE TO FURTHER PROTECT EXISTING TREE ROOTS.

NOTE: REMOVE SEDIMENT THAT ACCUMULATES IN FRONT OF FENCE. REPAIR OR REPLACE ANY DAMAGED FENCE.

NOTES:

1. MOVE FENCE OR REMOVE TREE IF MORE THAN 20% OF A TREE'S ROOT PROTECTION ZONE AREA IS UNPROTECTED.
2. ROOT PRUNE THE TREES TO REMAIN WHERE CONSTRUCTION ACTIVITIES WILL SEVER ROOTS.
3. ANY TREE ROOTS EXPOSED BY CONSTRUCTION SHALL BE SEVERED CLEANLY WITH A PRUNING TOOL.
4. DO NOT DISPOSE OF ANY CHEMICALS OR REMOVE SOIL OUTSIDE THE LIMITS OF WORK.
5. WHEN INSTALLING NEW LANDSCAPE PLANTS, DO NOT DRIVE EQUIPMENT UPON OR DISTURB THE SOIL WITHIN THE ROOT ZONE PROTECTION AREA OF EXISTING TREES.
6. SIGNAGE IN BOTH ENGLISH AND SPANISH MUST BE PLACED ON TREE PROTECTION FENCING WITH A MINIMUM SPACING OF 75' O.C. SIGNAGE IS TO READ :
TREE PROTECTION AREA - NO TRESPASSING WITHIN THE FENCE
PROHIBIDO ENTRAR / ZONA PROTECTORA PARA LOS ARBOLES
7. INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
8. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
9. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.
10. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

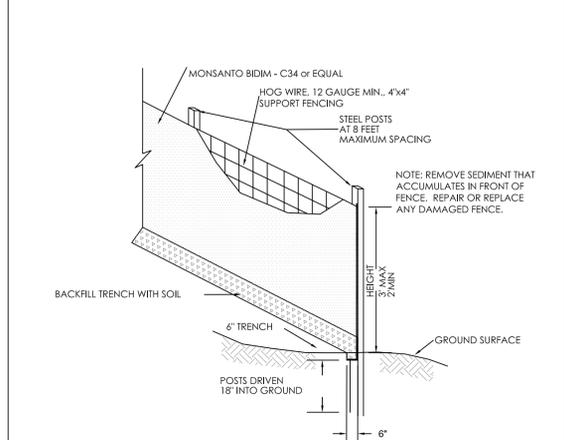


**2 / SD-8.1
RIP-RAP APRON
NTS**

NOTES:

1. RIPRAP APRON 6' MIN. LENGTH.
2. RIPRAP APRON 4' MIN. WIDTH.
3. RIPRAP 18" MIN. DEPTH.
4. IN A WELL-DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6' ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK WHICHEVER IS LESS.
5. A NON-WOVEN FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION. FILTER FABRIC SHALL CONFORM TO AASHTO M-288 STANDARDS.

MAINTENANCE
INSPECT RIPRAP OUTLET STRUCTURES WEEKLY AND AFTER SIGNIFICANT (5' OR GREATER) RAINFALL EVENTS TO SEE IF ANY EROSION AROUND OR BELOW THE RIPRAP HAS TAKEN PLACE. OR IF STONES HAVE BEEN DISLODGED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

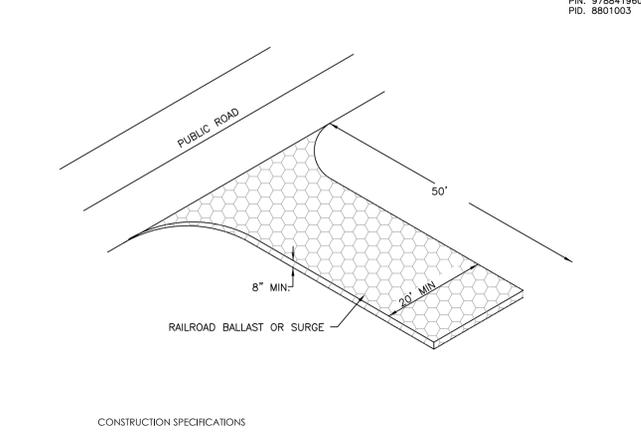


**3 / SD-8.1
SILT FENCE
NTS**

NOTES:

1. INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
2. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
3. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.
4. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

MAINTENANCE
INSPECT RIPRAP OUTLET STRUCTURES WEEKLY AND AFTER SIGNIFICANT (5' OR GREATER) RAINFALL EVENTS TO SEE IF ANY EROSION AROUND OR BELOW THE RIPRAP HAS TAKEN PLACE. OR IF STONES HAVE BEEN DISLODGED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

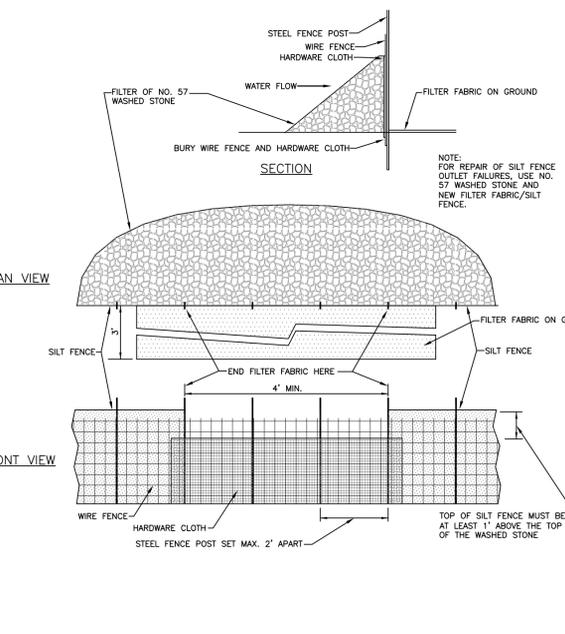


**4 / SD-8.1
GRAVEL CONSTRUCTION ENTRANCE
NTS**

CONSTRUCTION SPECIFICATIONS

1. AVOID CURVES IN PUBLIC ROADS AND STEEP SLOPES. REMOVE ALL VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM FOUNDATION AREA. GRADE AND CROWN FOUNDATION FOR POSITIVE DRAINAGE.
2. IF THE SLOPE TOWARD THE ROAD EXCEEDS 2%, CONSTRUCT A RIDGE, 6 TO 8 INCHES HIGH WITH 3:1 SIDE SLOPES, ACROSS THE FOUNDATION APPROXIMATELY 15 FT FROM THE ENTRANCE TO DIVERT RUNOFF AWAY FROM THE PUBLIC ROAD.
3. PLACE NON-WOVEN GEO-TEXTILE FABRIC ON GRADED FOUNDATION TO IMPROVE STABILITY, ESPECIALLY WHERE WET CONDITIONS ARE ANTICIPATED.
4. PLACE STONE TO DIMENSIONS AND GRADE SHOWN ON PLANS. LEAVE SURFACE SMOOTH AND SLOPED FOR DRAINAGE.
5. INSTALL PIPE UNDER PAD IF NEEDED TO MAINTAIN PROPER PUBLIC ROAD DRAINAGE.

MAINTENANCE:
MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC REMOVAL AND REPLACEMENT OF STONE. AS NECESSARY, IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TRACKED ONTO PUBLIC ROADWAYS.



**5 / SD-8.1
SILT FENCE OUTLET
NTS**

NOTE: FOR REPAIR OF SILT FENCE OUTLET FAILURES, USE NO. 57 WASHED STONE AND NEW FILTER FABRIC/SILT FENCE.

MAINTENANCE
INSPECT SILT FENCE OUTLETS AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS AS NEEDED.

REMOVE SEDIMENT AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR SUBSEQUENT RAINS.

WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN ADEQUATELY STABILIZED, REMOVE ALL MATERIALS AND ANY UNSTABLE SOIL, AND EITHER SALVAGE OR DISPOSE OF IT PROPERLY.

BRING THE DISTURBED AREA TO PROPER GRADE, THEN SMOOTH AND COMPACT IT. STABILIZE AREAS AROUND THE OUTLET.

**6 / SD-8.1
SEEDING SCHEDULE
NTS**

FALL/WINTER/SPRING TEMPORARY COVER	AUGUST 15 - MAY 1
Lime	100 lbs/1000 sf
10-10-10 Fertilizer	25 lbs/1000 sf
Oat Seed	2 lbs/1000 sf
Rye Grain Seed	1 lbs/1000 sf
Straw Mulch *	100 lbs/1000 sf

SUMMER TEMPORARY COVER	MAY 1 - AUGUST 15
Lime	100 lbs/1000 sf
10-10-10 Fertilizer	15 lbs/1000 sf
Browntop Millet Seed	1 lbs/1000 sf
Straw Mulch *	100 lbs/1000 sf

SPRINGS/FALL PERMANENT COVER	MARCH 1 - APRIL 30
Lime	100 lbs/1000 sf
10-10-10 Fertilizer	25 lbs/1000 sf
Improved Turf Type Fine Fescue Seed	8 lbs/1000 sf
Straw Mulch *	100 lbs/1000 sf

SUMMER PERMANENT COVER	APRIL 1 - AUGUST 15			
GRASS	PLANTING DATE	SEEDS ²	SPRIGS ³	STOLONS
BERMUDAGRASS	APRIL-JULY	1-2	.75	3-5
BERMUDAGRASS(HYBRID)	APRIL-JULY	1	.75	3-5
CENTIPEDGEGRASS	MARCH-JULY	.25-.50	.75	-
ST.AUGUSTINEGRASS	APRIL-JULY	-	1.0	-
TALL FESCUE	SEPT.-OCT.15	6	-	-
ZOYSIAGRASS	MAY-JULY	.50-1.0	.25	3-5

1. OPTIMUM DATE OF PLANTING. SEEDING BEYOND THESE DATES INCREASES THE CHANCE OF FAILURE.
2. POUNDS PER 1000 SQ.FT.
3. BUSHELS PER 1000 SQ.FT.

Seeded Preparation: Remove rocks, stumps, roots, etc. Apply lime and fertilizer then rip the soil 4 to 6 inches to mix the nutrients into the soil and to loosen and roughen it to receive seed.

Seed Temporary cover to stabilize temporary sedimentation control measures and other accomplished. If planting season is not suitable for installation of permanent cover, Contractor shall install temporary cover suitable for that season and reseed with permanent grass at earliest possible date.

* Anchor straw mulch by applying an asphalt binder emulsion at a rate of 10 gallons per 1000 SF, or install jute, paper or twine netting or excelsior mats staked to ground according to the manufacturer's instructions.

STABILIZATION TIME TABLE

1. All permanent dikes, swales, ditches, perimeter slopes, and all slopes steeper than 3:1 shall be provided with temporary or permanent stabilization with groundcover as soon as practicable but within 7 calendar days from last land-disturbing activity.
2. All other disturbed areas shall be provided with temporary or permanent stabilization with groundcover as soon as practicable but in any event within 14 calendar days from last land-disturbing activity.

EXPOSED AREAS INCLUDE, BUT ARE NOT LIMITED TO:

- AREAS CLEARED FOR ROADWAY CONSTRUCTION.
- AREAS CLEARED ON RESIDENTIAL BUILDING LOTS.
- DRAINAGE EASEMENTS AND OPEN DRAINAGE CHANNELS.
- SEDIMENT AND EROSION CONTROL MEASURES (SEDIMENT TRAPS, DIVERSION DITCHES, ETC.) AND THE AREAS ADJACENT TO SUCH MEASURES.

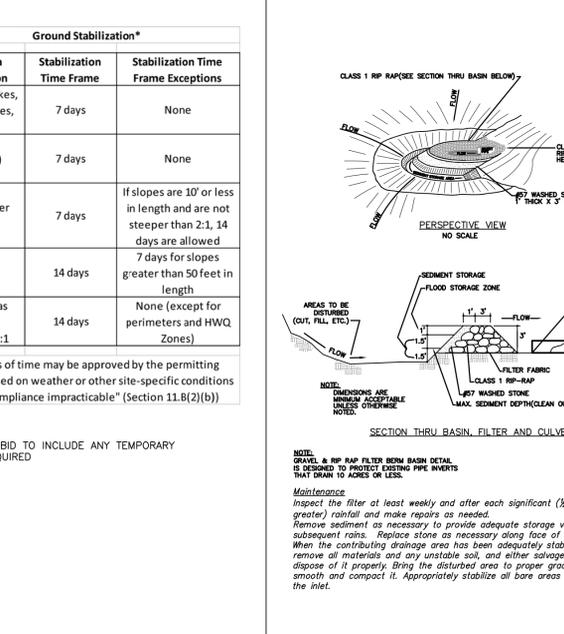
**7 / SD-8.1
ARCH FILTER
NTS**

NOTE: BASE BID TO INCLUDE ANY TEMPORARY SEEDING REQUIRED

Ground Stabilization*

Site Area Description	Stabilization Time Frame	Stabilization Time Frame Exceptions
Perimeter dikes, swales, ditches, and slopes	7 days	None
High Quality Water (HQW) Zones	7 days	None
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
Slopes 3:1 or flatter	14 days	7 days for slopes greater than 50 feet in length
All other areas with slopes flatter than 4:1	14 days	None (except for perimeters and HQW Zones)

* "Extensions of time may be approved by the permitting authority based on weather or other site-specific conditions (that make compliance impracticable)" (Section 11.B(2)(b))

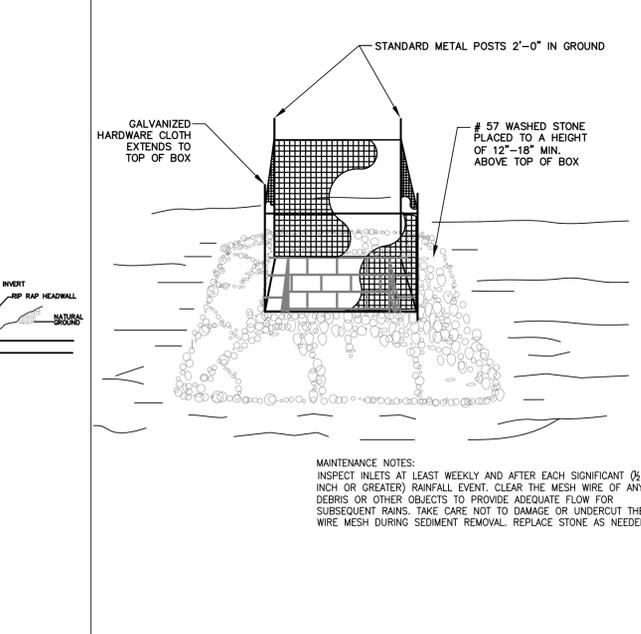


NOTE: DIMENSIONS ARE MINIMUM ACCEPTABLE UNLESS OTHERWISE NOTED.

MAINTENANCE:
Inspect the filter at least weekly and after each significant (1/8 inch or greater) rainfall and make repairs as needed. Remove sediment as necessary to provide adequate storage volume for subsequent rains. Replace stone as necessary along face of filter. When the contributing drainage area has been adequately stabilized, remove all materials and any unstable soil, and either salvage or dispose of it properly. Bring the disturbed area to proper grade, then smooth and compact it. Appropriately stabilize all bare areas around the inlet.

**10 / SD-8.1
TEMPORARY INLET PROTECTION
NTS**

MAINTENANCE NOTES:
INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/8 INCH OR GREATER) RAINFALL EVENT. CLEAR THE MESH WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED.

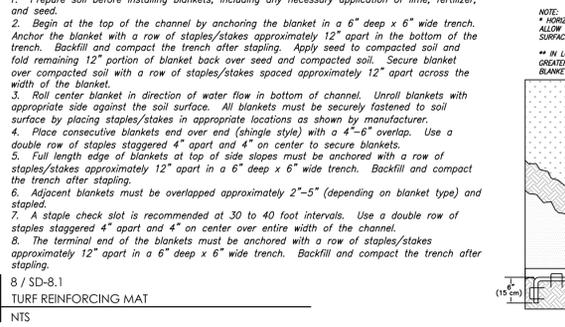


**8 / SD-8.1
TURF REINFORCING MAT
NTS**

1. Prepare soil before installing blankets, including any necessary application of lime, fertilizer, and seed.
2. Begin at the top of the channel by anchoring the blanket in a 6" deep x 6" wide trench. Anchor the blanket with a row of staples/stakes approximately 12" apart in the bottom of the trench. Backfill and compact the trench after stapling. Apply seed to compacted soil and fold remaining 12" portion of blanket back over seed and compacted soil. Secure blanket over compacted soil with a row of staples/stakes spaced approximately 12" apart across the width of the blanket.
3. Roll center blanket in direction of water flow in bottom of channel. Unroll blankets with appropriate side against the soil surface. All blankets must be securely fastened to soil surface by placing staples/stakes in appropriate locations as shown by manufacturer.
4. Place consecutive blankets end over end (shingle style) with a 4"-6" overlap. Use a double row of staples staggered 4" apart and 4" on center to secure blankets.
5. Full length edge of blankets at top of side slopes must be anchored with a row of staples/stakes approximately 12" apart in a 6" deep x 6" wide trench. Backfill and compact the trench after stapling.
6. Adjacent blankets must be overlapped approximately 2"-5" (depending on blanket type) and stapled.
7. Staple check slot is recommended at 30 to 40 foot intervals. Use a double row of staples staggered 4" apart and 4" on center over entire width of the channel.
8. The terminal end of the blankets must be anchored with a row of staples/stakes approximately 12" apart in a 6" deep x 6" wide trench. Backfill and compact the trench after stapling.

NOTE: HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE.

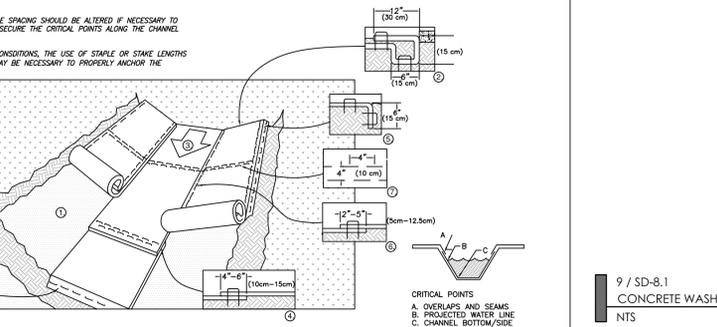
** IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY ANCHOR THE BLANKETS.



CRITICAL POINTS
A. OVERLAPS AND SEAMS
B. PROTECTED WATER LINE
C. CHANNEL BOTTOM/SIDE SLOPE VERTICES

**9 / SD-8.1
CONCRETE WASHOUT DETAIL
NTS**

NOTE: 1. ACTUAL LAYOUT TO BE DETERMINED IN FIELD.
2. THE "CONCRETE WASHOUT" SIGN SHALL BE INSTALLED WITHIN 20 FT OF THE REINFORCING CONCRETE WASHOUT FACILITY.
3. FIT CAPACITY IS MINIMUM OF 8 CU FT PER 10 CU YD OF CONCRETE.
4. CONTRACTOR TO COORDINATE WITH LEASING CONTRACTING OFFICER FOR THE PROPER DISPOSAL OF CONCRETE.



"CONCRETE WASHOUT" SIGN DETAIL OR EQUIVALENT

BLACK LETTERS 6" HEIGHT
1/2" X 1/2" SIGN BOARD
WOOD POST 3/4" DIA

Project
PUREFOY ROAD APARTMENTS
111 PUREFOY ROAD
CHAPEL HILL NC, 27514
ORANGE COUNTY NC

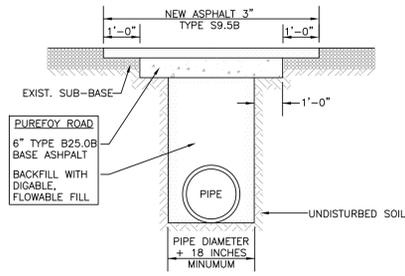
Job Number 1642

Drawn MTC, ED
Checked PBR, AJP
Date 10/10/2016
Revisions 1. 5/25/2017
2. 2/9/2018
3. 4/18/2018

SITE PLANS NOT ISSUED FOR CONSTRUCTION

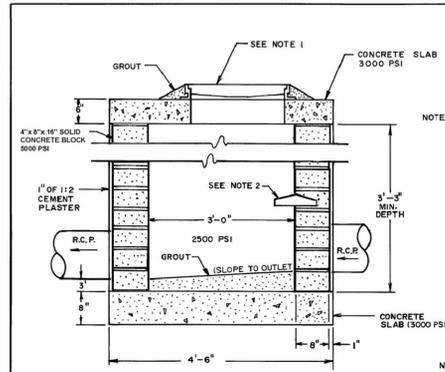
Sheet Title
EROSION CONTROL DETAILS

Sheet Number
SD-8.1



- NOTES:
1. SAW CUT EDGES MUST BE STRAIGHT AND CLEAN.
 2. PATCHES MUST BE REGULAR, SQUARE, OR RECTANGULAR (4 STRAIGHT EDGES).
 3. FINAL SURFACE COURSE MUST BE FLUSH WITH THE EDGE OF EXISTING PAVEMENT, VERTICALLY AND HORIZONTALLY, WITH NO SPILLOVER OF ASPHALT OR TACK COAT.
 4. CARE MUST BE TAKEN NOT TO DAMAGE INTEGRITY OR APPEARANCE OF SURROUNDING PAVEMENT. IF DAMAGED, THE ENTIRE SURFACE PATCH MUST BE EXPANDED TO COVER DAMAGES.
 5. ALL STRIPING IMPACTED BY REPAIRS MUST BE REPLACED.
 6. PROPER TRAFFIC CONTROL AND PLATING OF THE ROAD DURING CURE TIME FOR FLOWABLE FILL MUST BE CONDUCTED APPROPRIATELY.
 7. THE MAXIMUM TIME TO COMPLETE FULL REPAIR SHALL NOT EXCEED 10 WORKING DAYS.

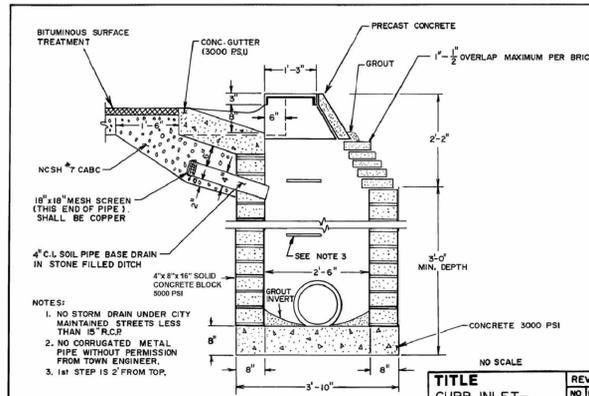
1 / SD-8.2
OPEN CUT AND REPAIR
NTS



- NOTES:
1. USE EAST JORDAN IRON WORKS MANHOLE RING & SOLID COVER IN SIDEWALKS & YARD AREAS. USE MANHOLE RING & SOLID COVER IN STREETS.
 2. MANHOLE STEPS @ 15" O.C., 1st STEP IS 2' FROM TOP.

NO SCALE
TITLE JUNCTION BOX
DETAIL
REVISIONS
NO DATE BY
DET. NO. SD-3

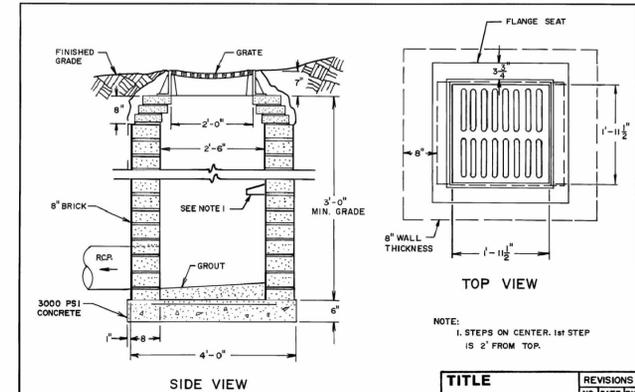
2 / SD-8.2
JUNCTION BOX DETAIL
NTS



- NOTES:
1. NO STORM DRAIN UNDER CITY MAINTAINED STREETS LESS THAN 15' R.C.P.
 2. NO CORRUGATED METAL PIPE WITHOUT PERMISSION FROM TOWN ENGINEER.
 3. 1st STEP IS 2' FROM TOP.

NO SCALE
TITLE CURB INLET-
SIDE VIEW
REVISIONS
NO DATE BY
DET. NO. SD-5

3 / SD-8.2
CURB INLET DETAIL
NTS

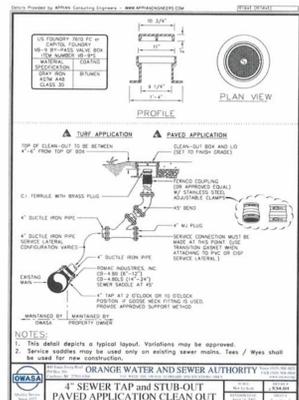


- NOTE:
1. STEPS ON CENTER, 1st STEP IS 2' FROM TOP.

NO SCALE
TITLE CATCH BASIN-TOP
VIEW & SIDE VIEW
REVISIONS
NO DATE BY
DET. NO. SD-6

4 / SD-8.2
CATCH BASIN DETAIL
NTS

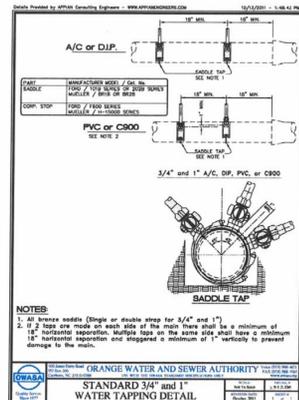
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5 / SD-8.2
CLEAN OUT
NTS

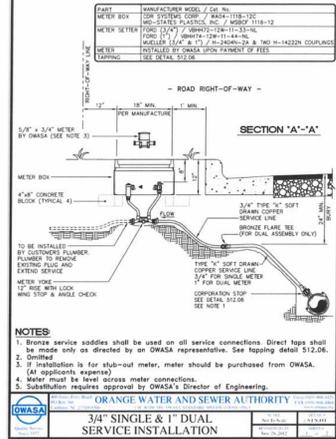
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6 / SD-8.2
WATER TAPPING DETAIL
NTS

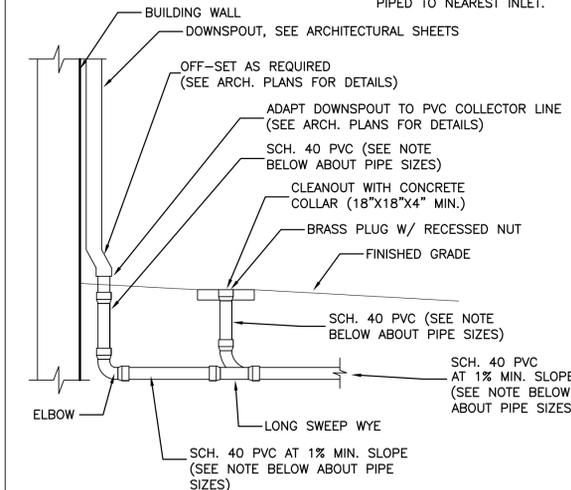
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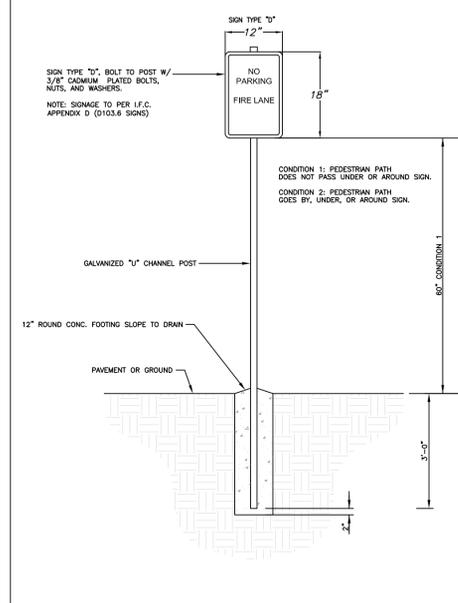
7 / SD-8.2
SERVICE INSTALLATION
NTS

- NOTE:
ALL ROOF LEADER CONNECTIONS SHALL BE MADE WITH 6" SCH. 40 PVC PIPE.
CONNECTING HEADER PIPE SIZES AND MATERIALS AS NOTED ON SD-3.0 GRADING AND DRAINAGE PLAN.

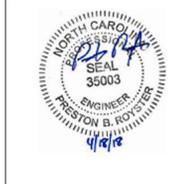


- NOTES:
1. A CLEAN OUT IS REQUIRED AT ALL DOWNSPOUT CONNECTIONS AND JUNCTIONS IN LINES.
 2. ALL JOINTS SHALL BE SOLVENT WELDED.
 3. ALL ROOF LEADERS AND DOWNSPOUTS ARE TO BE PIPED TO NEAREST INLET.

8 / SD-8.2
ROOF LEADER CONNECTION W/ CLEANOUT
NTS



9 / SD-8.2
FIRE LANE SIGN
NTS



Project
PUREFOY ROAD APARTMENTS
111 PUREFOY ROAD
CHAPEL HILL NC, 27514
ORANGE COUNTY NC

PIN: 9788419609
PID: 8801003

Job Number 1642

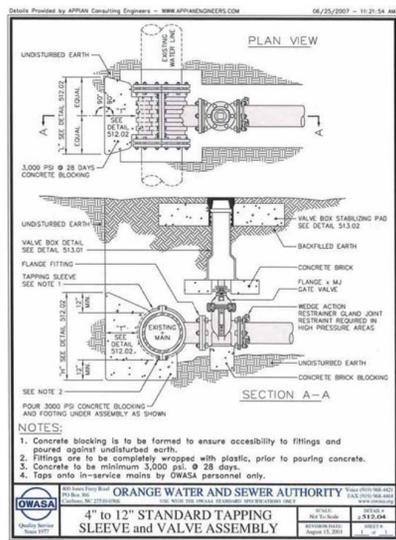
Drawn MTC, ED
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Revisions 1. 5/26/2017
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SITE PLANS
NOT ISSUED
FOR CONSTRUCTION

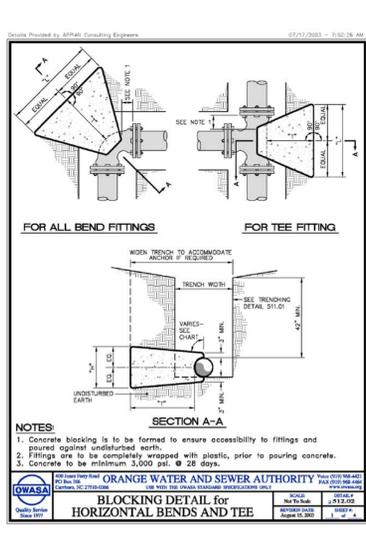
UTILITY
DETAILS

Sheet Number

SD-8.2



10 / SD-8.2
STANDARD TAPPING SLEEVE AND VALVE ASSEMBLY
NTS



11 / SD-8.2
BLOCKING DETAIL
NTS

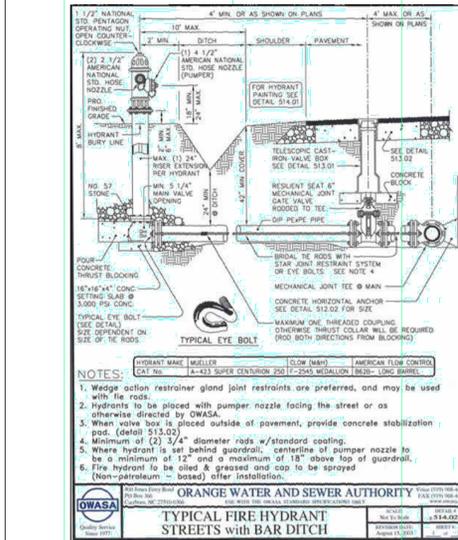
TEST PRESSURE - ISO P.S.I.

SIZE	TYPE	TIME	DIMENSIONS (O.D.)	VOLUME
INCHES	FITTING	MIN	"x"x"x"	CONCRETE
				CU. YD.
11 1/4"	90°	1:00	1.00 x 1.00 x 0.06	0.06
22 1/2"	90°	1:00	1.00 x 1.50 x 0.06	0.06
40"	90°	1:00	1.00 x 1.50 x 0.06	0.06
90°	1:00	1.00 x 1.50 x 0.09	0.09	
TEE / FLANGE	1:00	1.00 x 2.00 x 0.07	0.07	
11 1/4"	90°	1:00	1.00 x 2.00 x 0.09	0.09
22 1/2"	90°	1:00	1.00 x 2.00 x 0.15	0.15
40"	90°	1:00	1.00 x 2.00 x 0.15	0.15
TEE / FLANGE	1:00	2.00 x 2.00 x 0.12	0.12	
11 1/4"	90°	2:00	2.00 x 2.00 x 0.23	0.23
22 1/2"	90°	2:00	2.00 x 2.00 x 0.23	0.23
40"	90°	2:00	2.00 x 2.00 x 0.25	0.25
TEE / FLANGE	1:00	2.00 x 2.00 x 0.17	0.17	
90°	4:00	3.00 x 3.00 x 0.14	0.14	
TEE / FLANGE	1:00	3.00 x 3.00 x 0.14	0.14	
TEE / FLANGE	1:00	3.00 x 3.00 x 1.32	1.32	

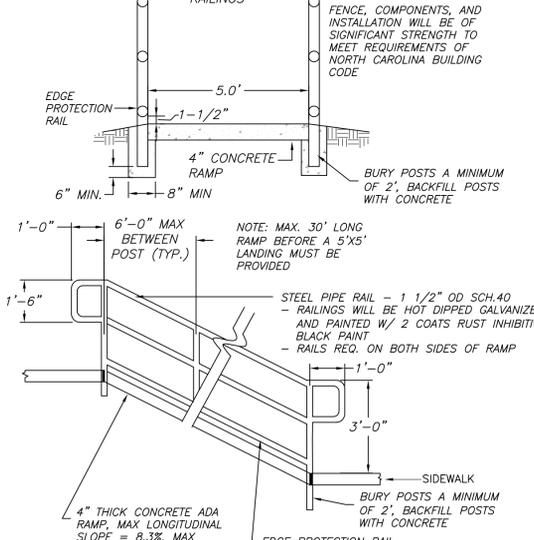
CHART NOTES:

1. If blocking excavation is in lightly compacted fill areas, or in areas where boulders or stumps have been removed, blocking size must be re-sized for the specific location/circumstances by a NC Licensed Professional Engineer.
2. Blocking sizes shown in this chart assume the following:
 - a. Blocking is constructed in residual soils as shown in detail.
 - b. Soil bearing pressure is 2000 psf.
 - c. Velocity of flow is 1.5 fps.
3. This detail not applicable to reducing bands.
4. Neither the weight of the concrete blocking nor friction between concrete blocking and soil was added into blocking size calculation. Therefore, blocking size is conservative.

12 / SD-8.2
BLOCKING DETAIL
NTS



13 / SD-8.2
HYDRANT DETAIL
NTS

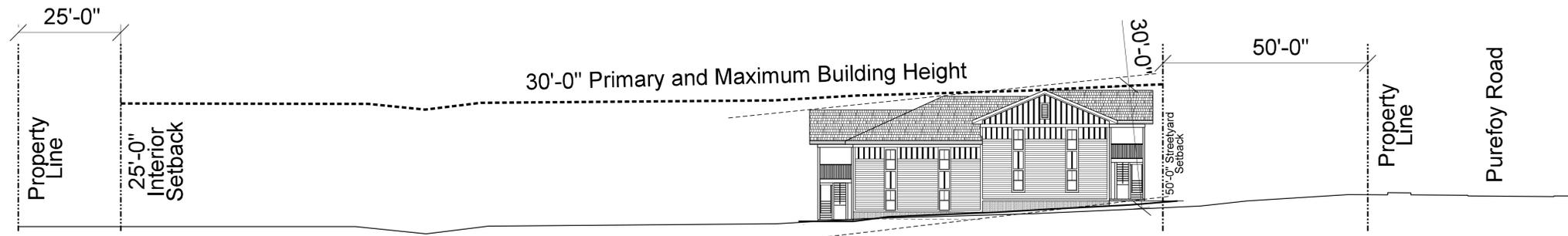


14 / SD-8.2
ADA RAMP W/ HANDRAIL
NTS

Purefoy Road Apartments

Chapel Hill, NC

- Job Number: 0000
- Date: 04.27.18
- Revisions:



SDATES \$FILES

16

North Elevation – OVERALL – “View from The Chapel Hill Kehillah”

Scale: 1/16" = 1'-0"



Building
Envelope
Sheet

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Purefoy Road Apartments

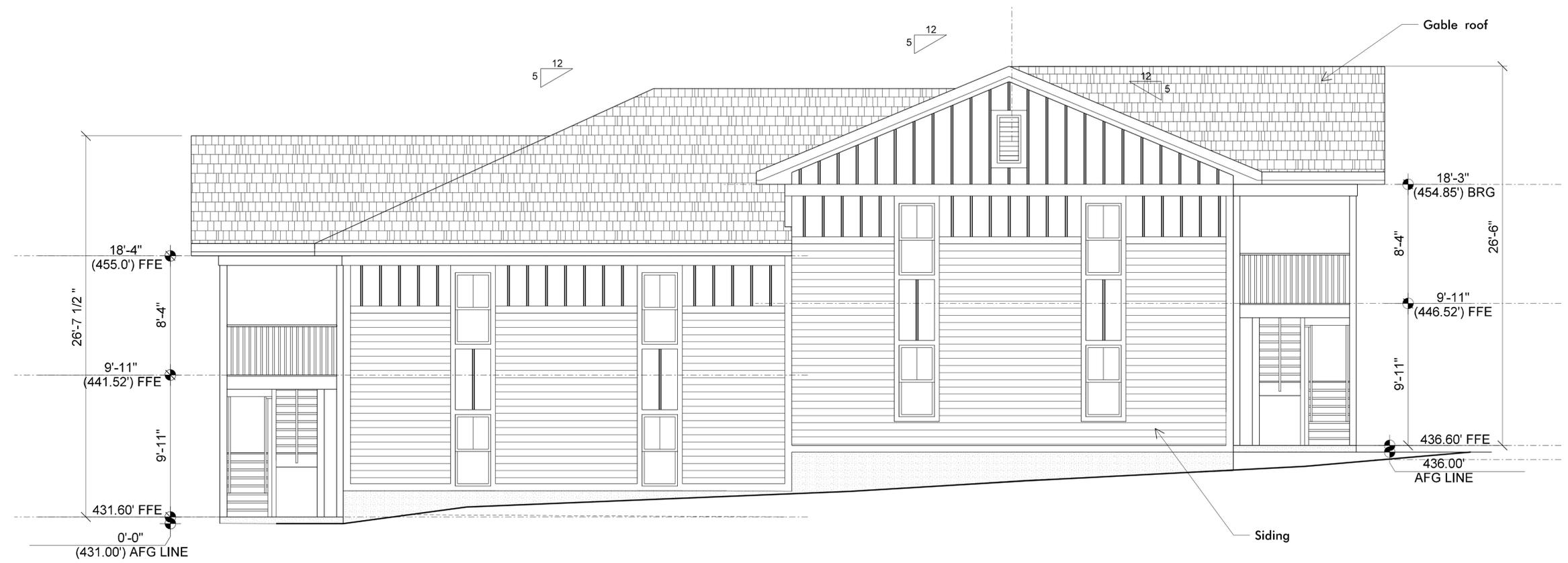
Chapel Hill, NC

- Job Number: 0000
- Date: 04.27.18
- Revisions:

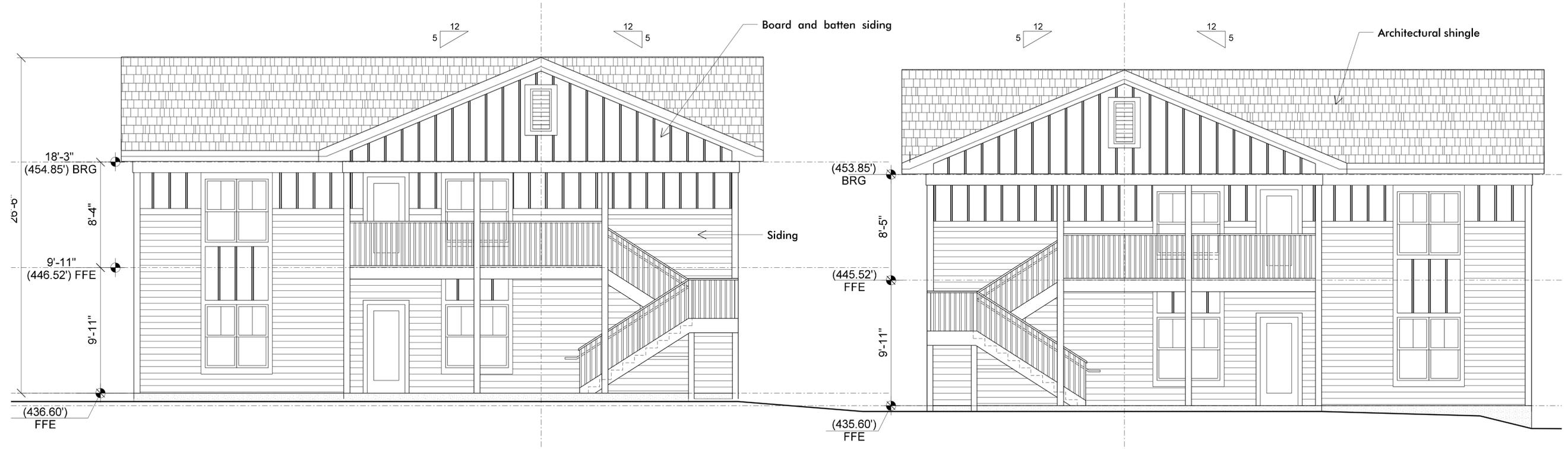


Exterior Elevations
Sheet

A3.1



North Elevation 2
Scale: 1/4" = 1'-0"



West Elevation 1
Scale: 1/4" = 1'-0"

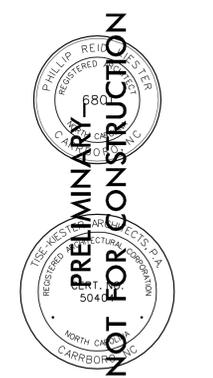
DATES \$FILES

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Purefoy Road Apartments

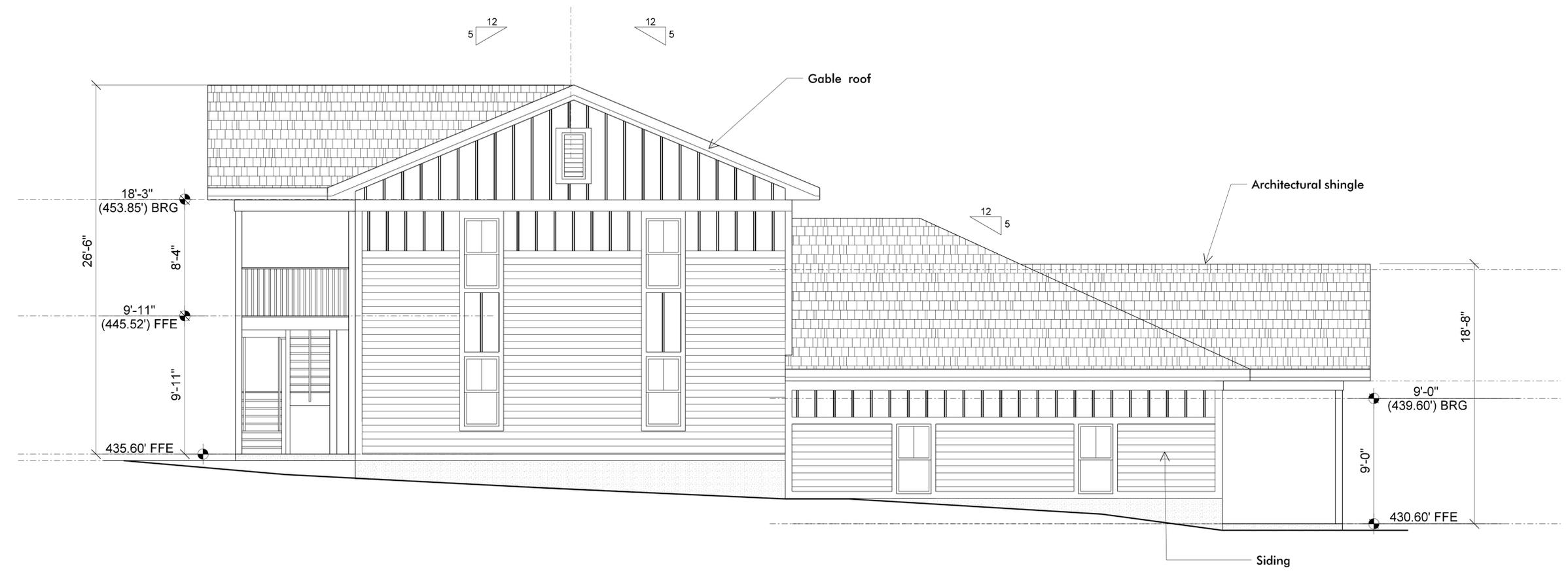
Chapel Hill, NC

- Job Number: 0000
- Date: 02.05.18
- Revisions:

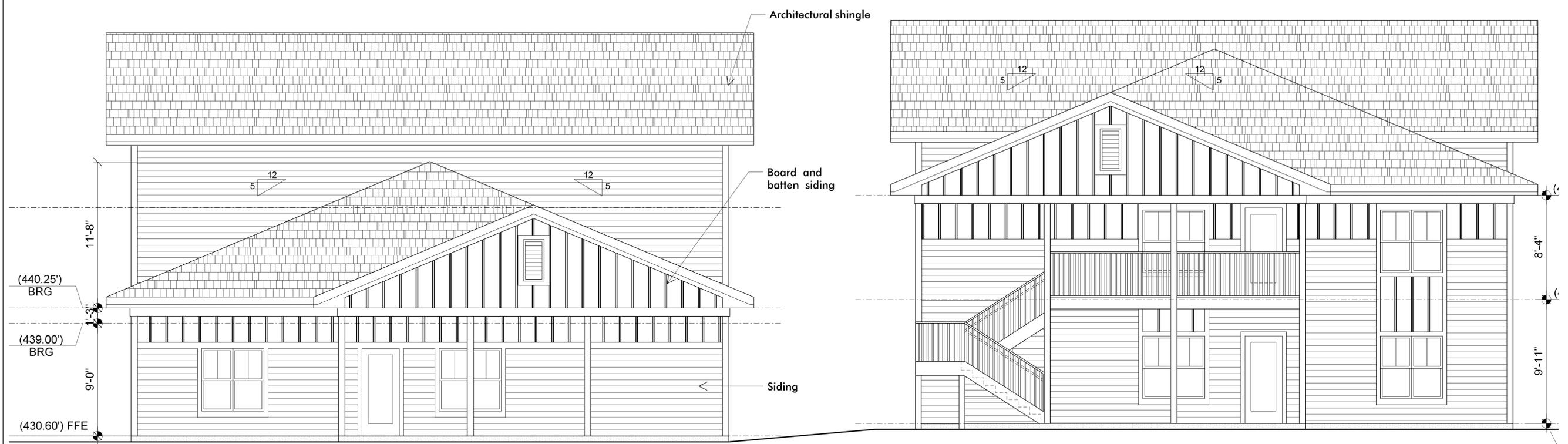


Exterior Elevations
Sheet

A3.2



South Elevation 2
Scale: 1/4" = 1'-0"



East Elevation 1
Scale: 1/4" = 1'-0"

SDATES \$FILES