TRINITY COURT
CONDITIONAL ZONING PERMIT

CHAPEL HILL - TRINITY COURT
751 TRINITY CT, CHAPEL HILL, NC 27516

C - SERIES DRAWING ABBREVIATIONS:

ADV - ADVANCE
AFG - ABOVE FINISHED GRADE
APPR LOC - APPROXIMATE LOCATION
ASSY - ASSEMBLY
B/C - BACK OF CURB
B/L - BASE LINE
B/S - BOTTOM OF STAIR
B/W - BOTTOM OF WALL
CB - CATCH BASIN
CBR - CALIFORNIA BEARING RATIO
CG - CURB AND GUTTER
CI - CURB INLET
C/L - CENTERLINE
CL - CLASS
CM - CONCRETE MONUMENT
CMP - CORRUGATED METAL PIPE
CO - CLEAN OUT
CONC - CONCRETE
CONN - CONNECTION
CP - CORRUGATED PLASTIC
CY - CUBIC YARD
DB - DEED BOOK
DI - DROP INLET
DIP - DUCTILE IRON PIPE
D.M.P - DOUBLE MERIDIAN DISTANCES
DR - DRIVE
DS - DOWNSPOUT
E - ELECTRIC
EA - EACH
E BOX - ELECTRICAL BOX
ELEC - ELECTRIC
EP - EDGE OF PAVEMENT
E/S - EDGE OF SHOULDER
EX - EXISTING
F/C - FACE OF CURB
FDC - FIRE DEPARTMENT CONNECTION
FF - FINISHED FLOOR
FHY - FIRE HYDRANT
F/L - FLOW LINE
FL - FIRE LANE
G - GAS
MG - GAS METER
GI - GRATE INLET
GRND - GROUND
GTS - GAS TEST STATION
GV - GAS VALVE
HDPE - HIGH DENSITY POLYETHYLENE
HORIZ - HORIZONTAL
HVAC - HEATING, VENTILATION, & AIR CONDITIONING
INV - INVERT
IPF - IRON PIPE FOUND
IPS - IRON PIPE SET
IRF - IRON ROD FOUND
LSA - LANDSCAPED AREA
LF - LINEAR FEET
LP - LIGHT POLE
(M) - MEASURED METES & BOUNDS
MECH - MECHANICAL
MH - MANHOLE
MIN - MINIMUM
MIN S - MINIMUM SLOPE
MJ - MECHANICAL JOINT
NIC - NOT IN CONTRACT
NTS - NOT TO SCALE
OHE - OVERHEAD ELECTRIC
OHP - OVERHEAD POWER
OHT - OVERHEAD TELEPHONE
PB - PLAT BOOK
PC - POINT OF CURVATURE
PED - PEDESTAL
PG - PAGE
PH - PHASE
PI - POINT OF INTERSECTION
PKG - PARKING
P/L - PROPERTY LINE
PT - POINT OF TANGENT
PP - POWER POLE
PVC - POLYVINYL CHLORIDE
PVMT - PAVEMENT
PWR - POWER
(R) - RECORDED METES & BOUNDS
RD - ROOF DRAIN
RJ - RESTRAINED JOINT
R/W - RIGHT-OF-WAY
REQ'D - REQUIRED
RCP - REINFORCED CONCRETE PIPE
S - SLOPE
SAN - SANITARY SEWER
SDWK - SIDEWALK
SF - SILT FENCE
SPT - SPOT GRADE
SS - SANITARY SEWER CONNECTION
STA - STATION
STD - STANDARD
STM - STORM
STMH - STORM SEWER MANHOLE
T - TELEPHONE
TBC - TOP BACK OF CURB
TCM - TELECOMMUNICATIONS MANHOLE
T/C - TOP OF CURB
TEL - TELEPHONE
T/S - TOP OF STAIR
T/W - TOP OF WALL
UGE - UNDERGROUND ELECTRIC
UNK - UNKNOWN
UP - UTILITY POLE
VAR - VARIABLE
VCP - VITRIFIED CLAY PIPE
VERT - VERTICAL
W/ - WITH
W/L - WATER LINE
W - WATER
WUS - WATERS OF THE US
X-ING - CROSSING
YI - YARD INLET
Ø - DIAMETER

VICINITY MAP
NOT TO SCALE

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C2.1	PHASE II EROSION & SEDIMENT CONTROL PLAN
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C3.1	UTILITY PLAN
C3.2	WATER LINE PROFILES
C3.3	SOLID WASTE MANAGEMENT PLAN
C4.0	GRADING AND DRAINAGE PLAN
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L1.0	LANDSCAPE PROTECTION PLAN
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LEGEND

SEWER
- EXISTING SANITARY SEWER
- SANITARY SEWER
- SANITARY MANHOLE NUMBER W/ COORDINATE LOCATION (N 7605.80, E 9378.25)
- EX SANITARY MANHOLE
- SANITARY MANHOLE
- EXISTING CLEAN OUT
- CLEAN OUT

WATER
- EXISTING WATER LINE
- WATER LINE
- EXISTING WATER VALVE
- WATER VALVE
- POST INDICATOR VALVE
- EXISTING WATER METER
- WATER METER
- EXISTING FIRE HYDRANT
- FIRE HYDRANT
- WATER LINE REDUCER
- EX WATER LINE PLUG
- WATER LINE PLUG
- WATER LINE CROSS
- WATER LINE TEE
- FIRE DEPT CONNECTION
- WATER SPIGOT
- EXISTING WELL CASING

NATURAL GAS
- EXISTING GAS METER
- EXISTING GAS VALVE
- EXISTING GAS LINE
- GAS LINE

MISCELLANEOUS UTILITIES
- EXISTING LIGHT POLE
- EXISTING YARD LIGHT
- EXISTING GROUND LIGHT
- LIGHT POLES
- EXISTING UTILITY POLE
- UTILITY POLE
- EXISTING GUY WIRE
- EXISTING ELECTRIC METER
- EXISTING OVERHEAD ELECTRIC
- OHP — OVERHEAD ELECTRIC
- EX UNDERGROUND ELECT LINE
- UGP — UNDERGROUND ELECTRIC LINE
- EXISTING TELEPHONE PEDESTAL
- EXISTING TELEPHONE MANHOLE
- EX OVERHEAD TELEPHONE LINE
- OHT — OVERHEAD TELEPHONE LINE
- EX UNDERGROUND TELEPHONE LINE
- UGT — UNDERGROUND TELEPHONE LINE
- EX OVERHEAD FIBER OPTIC LINE
- OFO — OVERHEAD FIBER OPTIC LINE
- EX UNDERGROUND FIBER OPTIC LINE
- UFO — UNDERGROUND FIBER OPTIC LINE
- EX CABLE TV PEDESTAL
- EX OVERHEAD CABLE TV LINE
- OCATV — OVERHEAD CABLE TV LINE
- EX UNDERGROUND CABLE TV
- UCATV — UNDERGROUND CABLE TV LINE
- UG P/C — COMBINED POWER/CATV
- COMBINED POWER, TELE, CATV
- COMBINED POWER, TELEPHONE
- COMBINED TELEPHONE, CATV

SITE
- EXISTING STORM SEWER
- STORM SEWER
- EX DROP INLET
- DROP INLET & STRUCTURE NUMBER
- EXISTING STORM SEWER MANHOLE
- STORM SEWER MANHOLE
- EXISTING ROOF DRAIN DOWNSPOUT
- ROOF DRAIN DOWNSPOUT
- EXISTING CURB
- CURB
- EXISTING CURB & GUTTER
- CURB & CUTTER
- PROPERTY LINE
- DESCRIPTION / ELEVATION — BENCH MARK
- B-1 — APPROX BORING LOCATION
- EXISTING TREE LINE
- CLEARING LIMITS
- EXISTING SHRUB
- EXISTING TREE
- EXISTING FENCE
- FENCE
- 200 — EXISTING CONTOUR
- T/C 95.32, E/P 95.32, SWL 95.32 — SPOT ELEVATION
- C/L SWALE
- EXISTING SIGN
- SIGN
- BOLLARD
- FLAG POLE
- PROPERTY MARKER FOUND / ROD FOUND
- PIPE FOUND
- MONUMENT FOUND

OWNER
TRINITY COURT REDEVELOPMENT, LLC
4915 RADFORD AVE, SUITE 300
RICHMOND, VA 23230
CONTACT: SAMANTHA BROWN
PHONE: (804) 614-2682
FACSIMILE: N/A

ARCHITECT
MOSELEY ARCHITECTS
1414 KEY HIGHWAY,
BALTIMORE, MD 21230
CONTACT: TOM LIEBEL
PHONE: (410) 539-4300
FACSIMILE: (410) 539-0660

SITE DEVELOPMENT
TIMMONS GROUP
5410 TRINITY ROAD, SUITE 102
RALEIGH, NORTH CAROLINA 27607
CONTACT: MR. WILL ALTMAN
PHONE: (919) 866-4938
FACSIMILE: (919) 859-5663

SITE DATA TABLE	
PROJECT NAME:	TRINITY COURT
PROJECT ADDRESS:	751 TRINITY COURT CHAPEL HILL, NC
TOTAL ACREAGE:	3.5 ACRES
PIN NUMBER:	9788194511
ZONING:	R-4
USE:	AFFORDABLE HOUSING; MEDIUM DENSITY RESIDENTIAL
ONSITE IMPERVIOUS AREA EXISTING:	1.33 ± ACRES (58,037 SF)
ONSITE IMPERVIOUS PROPOSED:	1.33 ± ACRES (58,037 SF)
TOTAL DISTURBED AREA:	2.07 ± ACRES (90,419 SF)
REQUIRED PARKING:	REQUIRED PARKING: 1 SPACE PER (1) BEDROOM DWELLING UNIT 1.25 SPACE PER (2) BEDROOM DWELLING UNIT 1.5 SPACE PER (3) BEDROOM DWELLING UNIT 1 PARKING SPACE X 14 (1) BEDROOM DWELLING UNITS + 1.25 PARKING SPACE X 20 (2) BEDROOM DWELLING UNITS + 1.5 PARKING SPACE X 20 (3) BEDROOM DWELLING UNITS = **MINIMUM 64 PARKING SPACES** REQUIRED ACCESSIBLE PARKING: **MINIMUM OF 3 ACCESSIBLE PARKING SPACES** FOR LOTS WITH BETWEEN 51 AND 75 PARKING SPACES
PROVIDED PARKING:	64 PARKING SPACES PROVIDED; 9 ACCESSIBLE SPACES PROVIDED

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045862 12/08/21
NOT FOR CONSTRUCTION

TIMMONS GROUP

TRINITY COURT
TRINITY COURT REDEVELOPMENT, LLC
751 TRINITY CT, CHAPEL HILL, NC 27516

PROJECT NO: 4803.0	DATE: DECEMBER 8, 2021
REVISIONS	
DATE	DESCRIPTION
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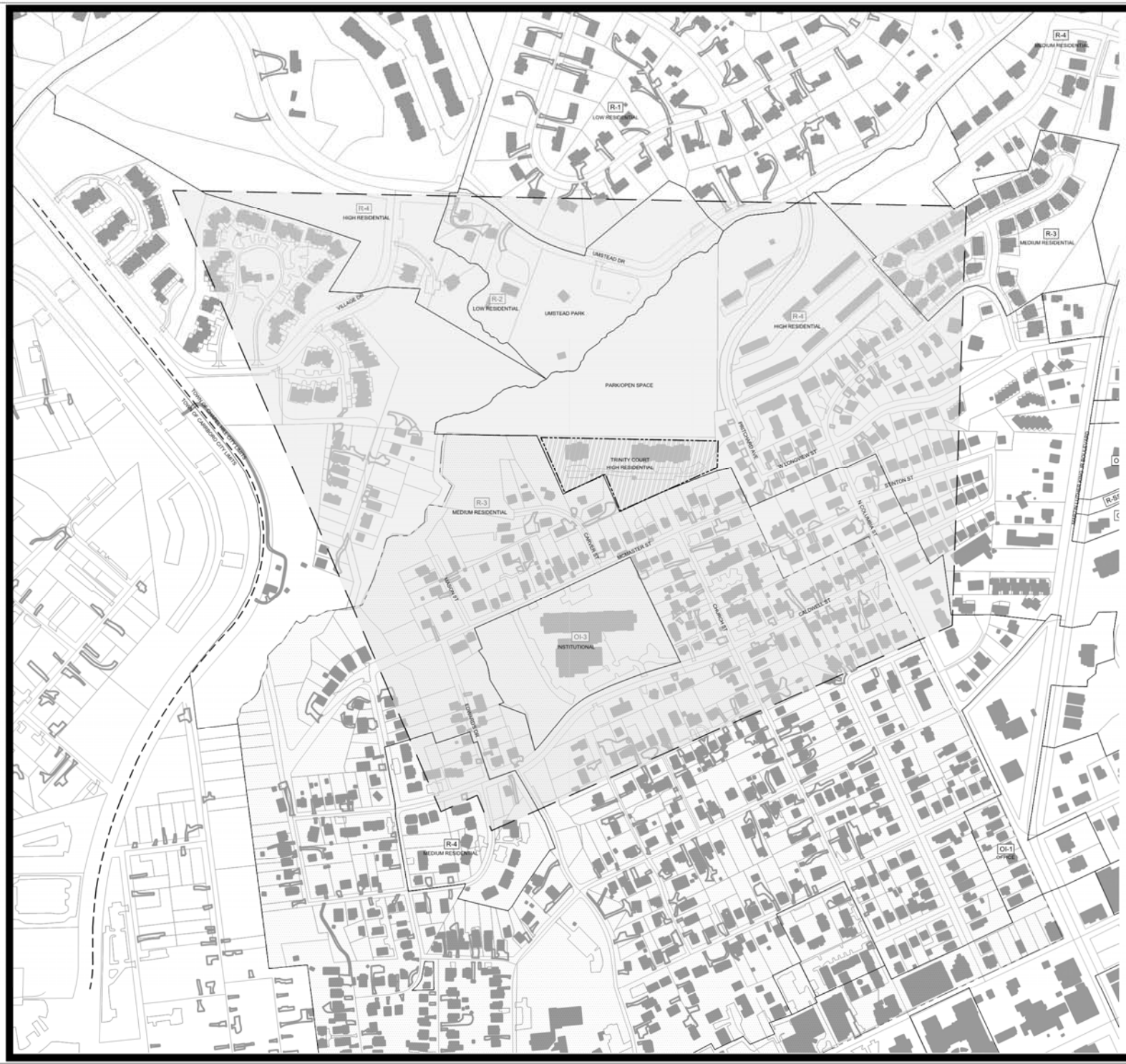
COVER SHEET

C0.0



LOCATION MAP

NOT TO SCALE

PARCEL IDENTIFICATION NUMBER (PIN): 9788194511

ADDRESS: 751 TRINITY CT, CHAPEL HILL, NC 27516

LEGEND

- PROPOSED SITE PROPERTY LINE
- ZONING BOUNDARY
- CHAPEL HILL TOWN LIMITS
- NORTHSIDE OVERLAY ZONING DISTRICT
- 1000' NOTIFICATION AREA
- PROPOSED SITE

NOTES:
1. ENTIRETY OF SITE AREA IS LOCATED WITHIN CHAPEL HILL'S TOWN LIMIT.

NAD 83

SCALE 1"=150'

0 150' 300'

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RALEIGH OFFICE

TRINITY COURT

TRINITY COURT REDEVELOPMENT, LLC
751 TRINITY CT, CHAPEL HILL, NC 27516

PROJECT NO: 45833	DATE: DECEMBER 8, 2021
REVISIONS	
DATE	DESCRIPTION
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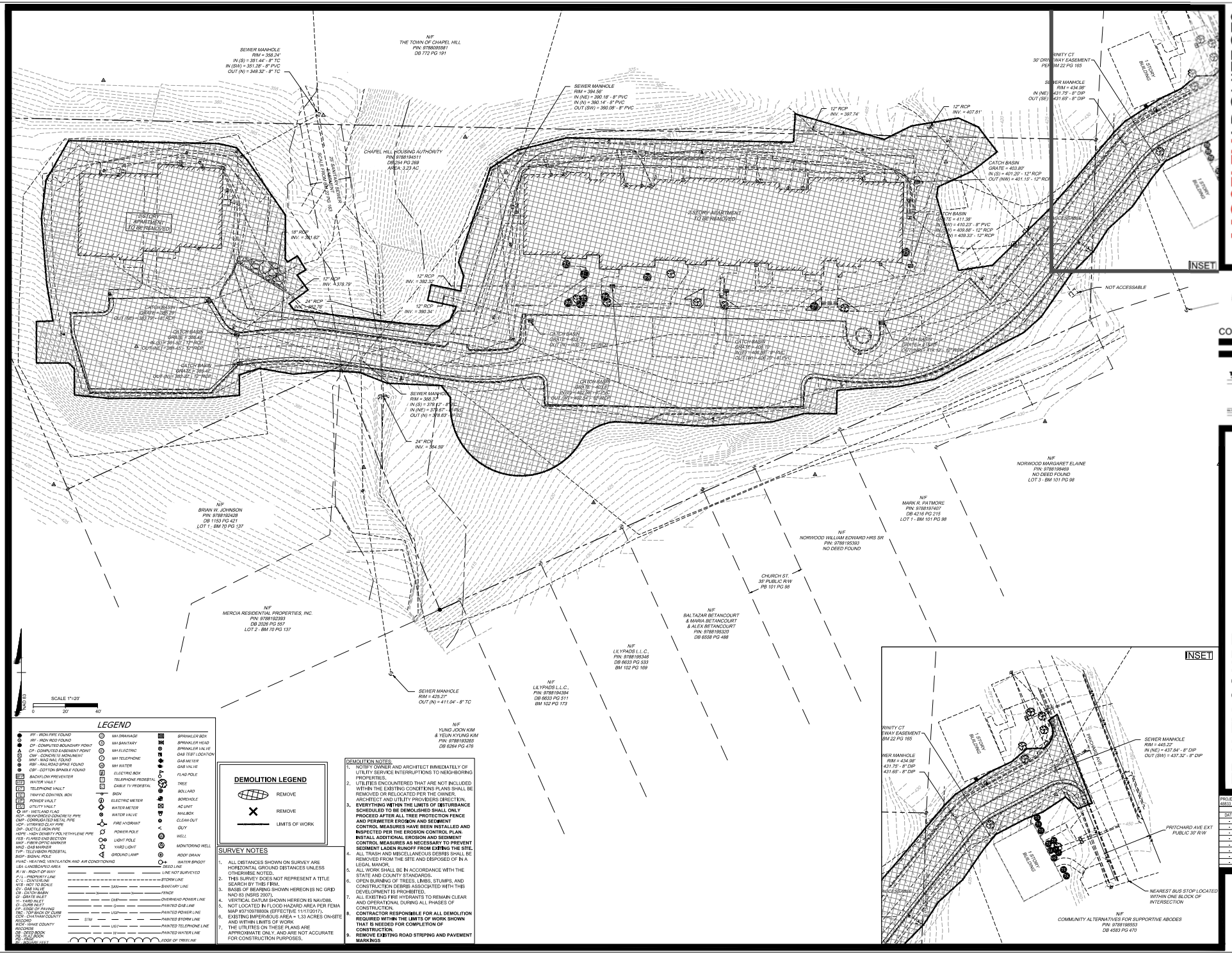
AREA MAP

C0.1



LEGEND

- IPF - IRON PIPE FOUND
- IRF - IRON ROD FOUND
- CP - COMPUTED BOUNDARY POINT
- CP - COMPUTED EASEMENT POINT
- CMF - CONCRETE MONUMENT
- MNF - MAG NAIL FOUND
- RBF - RAILROAD SPIKE FOUND
- CBF - COTTON SPINDLE FOUND
- BFP - BACKFLOW PREVENTER
- WV - WATER VAULT
- TV - TELEPHONE VAULT
- TCB - TRAFFIC CONTROL BOX
- PV - POWER VAULT
- UV - UTILITY VAULT
- HT - HETLAND FLAG
- RCP - REINFORCED CONCRETE PIPE
- CMP - CORRUGATED METAL PIPE
- VCP - VITRIFIED CLAY PIPE
- DIP - DUCTILE IRON PIPE
- HDPE - HIGH DENSITY POLYETHYLENE PIPE
- FES - FLARED END SECTION
- MKF - FIBER OPTIC MARKER
- MKD - DAB MARKER
- TVP - TELEVISION PEDESTAL
- SIGP - SIGNAL POLE
- HVAC - HEATING, VENTILATION AND AIR CONDITIONING
- LBA - LANDSCAPED AREA
- R / W - RIGHT-OF-WAY
- P / L - PROPERTY LINE
- C / L - CENTERLINE
- NTS - NOT TO SCALE
- GV - GAS VALVE
- CB - CATCH BASIN
- GI - GRATE INLET
- YI - YARD INLET
- FF - FINISH FLOOR
- CP - EDGE OF PAVING
- TBC - TOP BACK OF CURB
- COH - CHATHAM COUNTY RECORD
- WCR - WAKE COUNTY RECORDS
- DB - DEED BOOK
- PB - PLAT BOOK
- PG - PAGE
- SF - SQUARE FEET
- MH DRAINAGE
- MH SANITARY
- MH ELECTRIC
- MH TELEPHONE
- MH WATER
- ELECTRIC BOX
- TELEPHONE PEDESTAL
- CABLE TV PEDESTAL
- SIGN
- ELECTRIC METER
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- POWER POLE
- LIGHT POLE
- YARD LIGHT
- GROUND LAMP
- SPRINKLER BOX
- SPRINKLER HEAD
- SPRINKLER VALVE
- GAS TEST LOCATION
- GAS METER
- GAS VALVE
- FLAG POLE
- TREE
- BOLLARD
- BOREHOLE
- AC UNIT
- MAIL BOX
- CLEAN OUT
- GUY
- WELL
- MONITORING WELL
- ROOF DRAIN
- WATER SPIGOT
- DEED LINE
- LINE NOT SURVEYED
- STORM LINE
- SANITARY LINE
- FENCE
- OVERHEAD POWER LINE
- PAINTED GAS LINE
- PAINTED POWER LINE
- PAINTED STORM LINE
- PAINTED TELEPHONE LINE
- PAINTED WATER LINE
- EDGE OF TREELINE

DEMOLITION LEGEND

- REMOVE
- REMOVE
- LIMITS OF WORK

SURVEY NOTES

1. ALL DISTANCES SHOWN ON SURVEY ARE HORIZONTAL GROUND DISTANCES UNLESS OTHERWISE NOTED.
2. THIS SURVEY DOES NOT REPRESENT A TITLE SEARCH BY THIS FIRM.
3. BASIS OF BEARING SHOWN HEREON IS NC GRID NAD 83 (NSRS 2007).
4. VERTICAL DATUM SHOWN HEREON IS NAVD88.
5. NOT LOCATED IN FLOOD HAZARD AREA PER FEMA MAP #37109788D9 (EFFECTIVE 11/17/2017).
6. EXISTING IMPERVIOUS AREA = 1.33 ACRES ON-SITE AND WITHIN LIMITS OF WORK
7. THE UTILITIES ON THESE PLANS ARE APPROXIMATE ONLY, AND ARE NOT ACCURATE FOR CONSTRUCTION PURPOSES.

DEMOLITION NOTES:

1. NOTIFY OWNER AND ARCHITECT IMMEDIATELY OF UTILITY SERVICE INTERRUPTIONS TO NEIGHBORING PROPERTIES.
2. UTILITIES ENCOUNTERED THAT ARE NOT INCLUDED WITHIN THE EXISTING CONDITIONS PLANS SHALL BE REMOVED OR RELOCATED PER THE OWNER, ARCHITECT AND UTILITY PROVIDERS DIRECTION.
3. **EVERYTHING WITHIN THE LIMITS OF DISTURBANCE SCHEDULED TO BE DEMOLISHED SHALL ONLY PROCEED AFTER ALL TREE PROTECTION FENCE AND PERIMETER EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND INSPECTED PER THE EROSION CONTROL PLAN. INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY TO PREVENT SEDIMENT LADEN RUNOFF FROM EXITING THE SITE.**
4. ALL TRASH AND MISCELLANEOUS DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANOR.
5. ALL WORK SHALL BE IN ACCORDANCE WITH THE STATE AND COUNTY STANDARDS.
6. OPEN BURNING OF TREES, LIMBS, STUMPS, AND CONSTRUCTION DEBRIS ASSOCIATED WITH THIS DEVELOPMENT IS PROHIBITED.
7. ALL EXISTING FIRE HYDRANTS TO REMAIN CLEAR AND OPERATIONAL DURING ALL PHASES OF CONSTRUCTION.
8. **CONTRACTOR RESPONSIBLE FOR ALL DEMOLITION REQUIRED WITHIN THE LIMITS OF WORK SHOWN THAT IS NEEDED FOR COMPLETION OF CONSTRUCTION.**
9. **REMOVE EXISTING ROAD STRIPING AND PAVEMENT MARKINGS**

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NOT FOR CONSTRUCTION

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TRINITY COURT

TRINITY COURT REDEVELOPMENT, LLC
751 TRINITY CT, CHAPEL HILL, NC 27516

PROJECT NO.	DATE
4883	DECEMBER 08, 2021

REVISIONS

DATE	DESCRIPTION
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-	-
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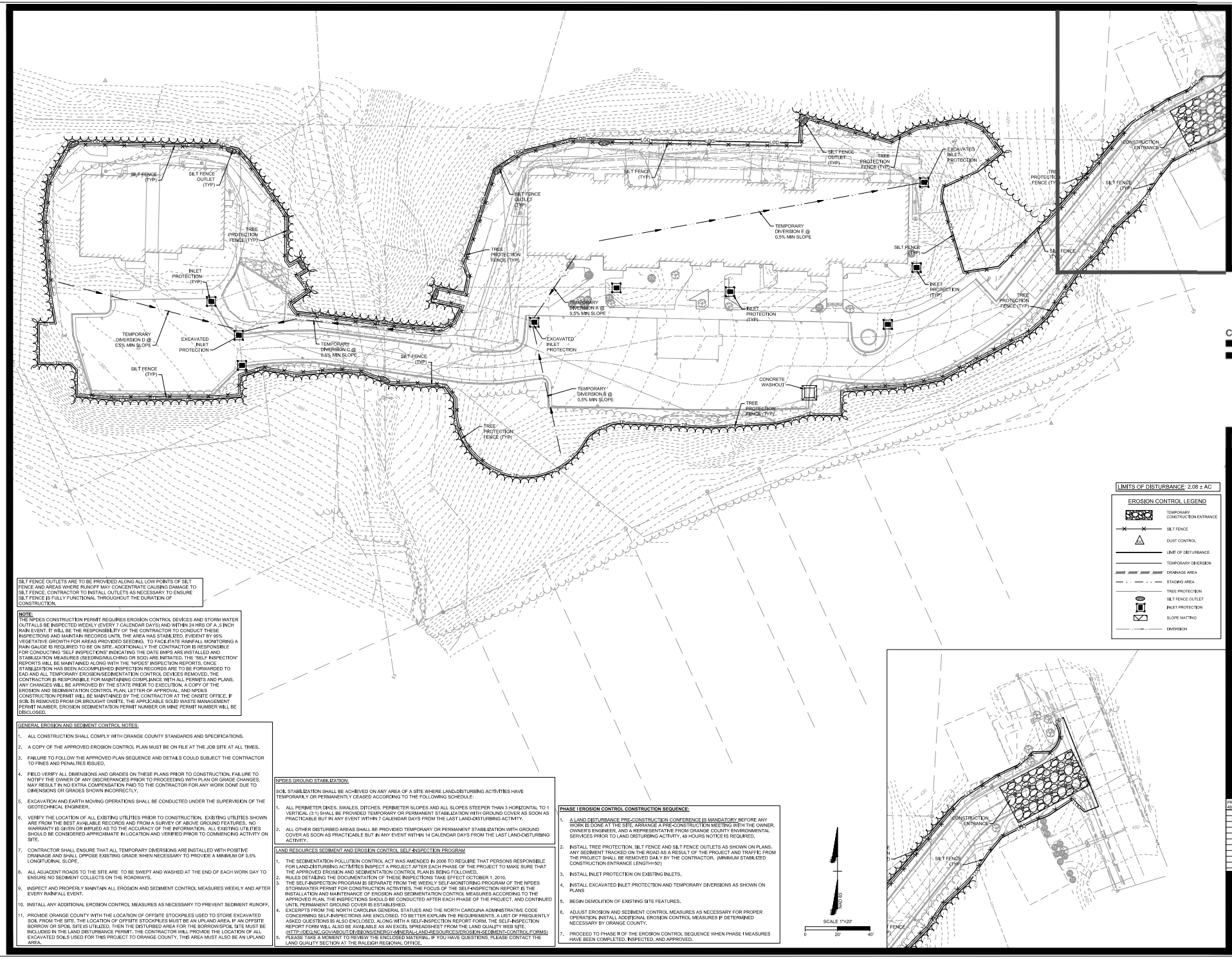
EXISTING CONDITIONS & DEMOLITION

C1.0



LIMITS OF DISTURBANCE: 2.08 ± AC

EROSION CONTROL LEGEND

- TEMPORARY CONSTRUCTION ENTRANCE
- SILT FENCE
- DUST CONTROL
- LIMIT OF DISTURBANCE
- TEMPORARY DIVERSION
- DRAINAGE AREA
- STAGING AREA
- TREE PROTECTION
- SILT FENCE OUTLET
- INLET PROTECTION
- SLOPE MATTING
- DIVERSION

SILT FENCE OUTLETS ARE TO BE PROVIDED ALONG ALL LOW POINTS OF SILT FENCE AND AREAS WHERE RUNOFF MAY CONCENTRATE CAUSING DAMAGE TO SILT FENCE. CONTRACTOR TO INSTALL OUTLETS AS NECESSARY TO ENSURE SILT FENCE IS FULLY FUNCTIONAL THROUGHOUT THE DURATION OF CONSTRUCTION.

NOTE:
THE NPDES CONSTRUCTION PERMIT REQUIRES EROSION CONTROL DEVICES AND STORM WATER OUTFALLS BE INSPECTED WEEKLY (EVERY 7 CALENDAR DAYS) AND WITHIN 24 HRS OF A .5 INCH RAIN EVENT. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT THESE INSPECTIONS AND MAINTAIN RECORDS UNTIL THE AREA HAS STABILIZED, EVIDENT BY 85% VEGETATIVE GROWTH FOR AREAS PROVIDED SEEDING. TO FACILITATE RAINFALL MONITORING A RAIN GAUGE IS REQUIRED TO BE ON SITE. ADDITIONALLY THE CONTRACTOR IS RESPONSIBLE FOR CONDUCTING "SELF INSPECTIONS" INDICATING THE DATE BMPS ARE INSTALLED AND STABILIZATION MEASURES (SEEDING/MULCHING OR SOD) ARE INITIATED. THE "SELF INSPECTION" REPORTS WILL BE MAINTAINED ALONG WITH THE "NPDES" INSPECTION REPORTS. ONCE STABILIZATION HAS BEEN ACCOMPLISHED INSPECTION RECORDS ARE TO BE FORWARDED TO EAD AND ALL TEMPORARY EROSION/SEDIMENTATION CONTROL DEVICES REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING COMPLIANCE WITH ALL PERMITS AND PLANS. ANY CHANGES WILL BE APPROVED BY THE STATE PRIOR TO EXECUTION. A COPY OF THE EROSION AND SEDIMENTATION CONTROL PLAN, LETTER OF APPROVAL, AND NPDES CONSTRUCTION PERMIT WILL BE MAINTAINED BY THE CONTRACTOR AT THE ONSITE OFFICE. IF SOIL IS REMOVED FROM OR BROUGHT ONSITE, THE APPLICABLE SOLID WASTE MANAGEMENT PERMIT NUMBER, EROSION SEDIMENTATION PERMIT NUMBER OR MINE PERMIT NUMBER WILL BE DISCLOSED.

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

1. ALL CONSTRUCTION SHALL COMPLY WITH ORANGE COUNTY STANDARDS AND SPECIFICATIONS.
2. A COPY OF THE APPROVED EROSION CONTROL PLAN MUST BE ON FILE AT THE JOB SITE AT ALL TIMES.
3. FAILURE TO FOLLOW THE APPROVED PLAN SEQUENCE AND DETAILS COULD SUBJECT THE CONTRACTOR TO FINES AND PENALTIES ISSUED.
4. FIELD VERIFY ALL DIMENSIONS AND GRADES ON THESE PLANS PRIOR TO CONSTRUCTION. FAILURE TO NOTIFY THE OWNER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH PLAN OR GRADE CHANGES, MAY RESULT IN NO EXTRA COMPENSATION PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY.
5. EXCAVATION AND EARTH MOVING OPERATIONS SHALL BE CONDUCTED UNDER THE SUPERVISION OF THE GEOTECHNICAL ENGINEER.
6. VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. EXISTING UTILITIES SHOWN ARE FROM THE BEST AVAILABLE RECORDS AND FROM A SURVEY OF ABOVE GROUND FEATURES. NO WARRANTY IS GIVEN OR IMPLIED AS TO THE ACCURACY OF THE INFORMATION. ALL EXISTING UTILITIES SHOULD BE CONSIDERED APPROXIMATE IN LOCATION AND VERIFIED PRIOR TO COMMENCING ACTIVITY ON SITE.
7. CONTRACTOR SHALL ENSURE THAT ALL TEMPORARY DIVERSIONS ARE INSTALLED WITH POSITIVE DRAINAGE AND SHALL OPPOSE EXISTING GRADE WHEN NECESSARY TO PROVIDE A MINIMUM OF 0.5% LONGITUDINAL SLOPE.
8. ALL ADJACENT ROADS TO THE SITE ARE TO BE SWEPT AND WASHED AT THE END OF EACH WORK DAY TO ENSURE NO SEDIMENT COLLECTS ON THE ROADWAYS.
9. INSPECT AND PROPERLY MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EVERY RAINFALL EVENT.
10. INSTALL ANY ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY TO PREVENT SEDIMENT RUNOFF.
11. PROVIDE ORANGE COUNTY WITH THE LOCATION OF OFFSITE STOCKPILES USED TO STORE EXCAVATED SOIL FROM THE SITE. THE LOCATION OF OFFSITE STOCKPILES MUST BE AN UPLAND AREA. IF AN OFFSITE BORROW OR SPOIL SITE IS UTILIZED, THEN THE DISTURBED AREA FOR THE BORROW/SPOIL SITE MUST BE INCLUDED IN THE LAND DISTURBANCE PERMIT. THE CONTRACTOR WILL PROVIDE THE LOCATION OF ALL EXCAVATED SOILS USED FOR THIS PROJECT TO ORANGE COUNTY. THIS AREA MUST ALSO BE AN UPLAND AREA.

NPDES GROUND STABILIZATION:

SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF A SITE WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:

1. ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
2. ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.

LAND RESOURCES SEDIMENT AND EROSION CONTROL SELF-INSPECTION PROGRAM

1. THE SEDIMENTATION POLLUTION CONTROL ACT WAS AMENDED IN 2006 TO REQUIRE THAT PERSONS RESPONSIBLE FOR LAND-DISTURBING ACTIVITIES INSPECT A PROJECT AFTER EACH PHASE OF THE PROJECT TO MAKE SURE THAT THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS BEING FOLLOWED.
2. RULES DETAILING THE DOCUMENTATION OF THESE INSPECTIONS TAKE EFFECT OCTOBER 1, 2010.
3. THE SELF-INSPECTION PROGRAM IS SEPARATE FROM THE WEEKLY SELF-MONITORING PROGRAM OF THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES. THE FOCUS OF THE SELF-INSPECTION REPORT IS THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES ACCORDING TO THE APPROVED PLAN. THE INSPECTIONS SHOULD BE CONDUCTED AFTER EACH PHASE OF THE PROJECT, AND CONTINUED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
4. EXCERPTS FROM THE NORTH CAROLINA GENERAL STATUES AND THE NORTH CAROLINA ADMINISTRATIVE CODE CONCERNING SELF-INSPECTIONS ARE ENCLOSED. TO BETTER EXPLAIN THE REQUIREMENTS, A LIST OF FREQUENTLY ASKED QUESTIONS IS ALSO ENCLOSED, ALONG WITH A SELF-INSPECTION REPORT FORM. THE SELF-INSPECTION REPORT FORM WILL ALSO BE AVAILABLE AS AN EXCEL SPREADSHEET FROM THE LAND QUALITY WEB SITE. (HTTP://DEQ.NC.GOV/ABOUT/DIVISIONS/ENERGY-MINERAL-LAND-RESOURCES/EROSION-SEDIMENT-CONTROL/FORMS)
5. PLEASE TAKE A MOMENT TO REVIEW THE ENCLOSED MATERIAL. IF YOU HAVE QUESTIONS, PLEASE CONTACT THE LAND QUALITY SECTION AT THE RALEIGH REGIONAL OFFICE.

PHASE I EROSION CONTROL CONSTRUCTION SEQUENCE:

1. A LAND DISTURBANCE PRE-CONSTRUCTION CONFERENCE IS MANDATORY BEFORE ANY WORK IS DONE AT THE SITE. ARRANGE A PRE-CONSTRUCTION MEETING WITH THE OWNER, OWNER'S ENGINEER, AND A REPRESENTATIVE FROM ORANGE COUNTY ENVIRONMENTAL SERVICES PRIOR TO LAND DISTURBING ACTIVITY, 48 HOURS NOTICE IS REQUIRED.
2. INSTALL TREE PROTECTION, SILT FENCE AND SILT FENCE OUTLETS AS SHOWN ON PLANS. ANY SEDIMENT TRACKED ON THE ROAD AS A RESULT OF THE PROJECT AND TRAFFIC FROM THE PROJECT SHALL BE REMOVED DAILY BY THE CONTRACTOR. (MINIMUM STABILIZED CONSTRUCTION ENTRANCE LENGTH=50')
3. INSTALL INLET PROTECTION ON EXISTING INLETS.
4. INSTALL EXCAVATED INLET PROTECTION AND TEMPORARY DIVERSIONS AS SHOWN ON PLANS
5. BEGIN DEMOLITION OF EXISTING SITE FEATURES.
6. ADJUST EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY FOR PROPER OPERATION. INSTALL ADDITIONAL EROSION CONTROL MEASURES IF DETERMINED NECESSARY BY ORANGE COUNTY.
7. PROCEED TO PHASE II OF THE EROSION CONTROL SEQUENCE WHEN PHASE I MEASURES HAVE BEEN COMPLETED, INSPECTED, AND APPROVED.

SCALE 1"=20'
0 20' 40'

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NOT FOR CONSTRUCTION

TIMMONS GROUP

TRINITY COURT

TRINITY COURT REDEVELOPMENT, LLC
751 TRINITY CT, CHAPEL HILL, NC 27516

PROJECT NO.	DATE
4883.0	DECEMBER 08, 2021

REVISIONS

DATE	DESCRIPTION
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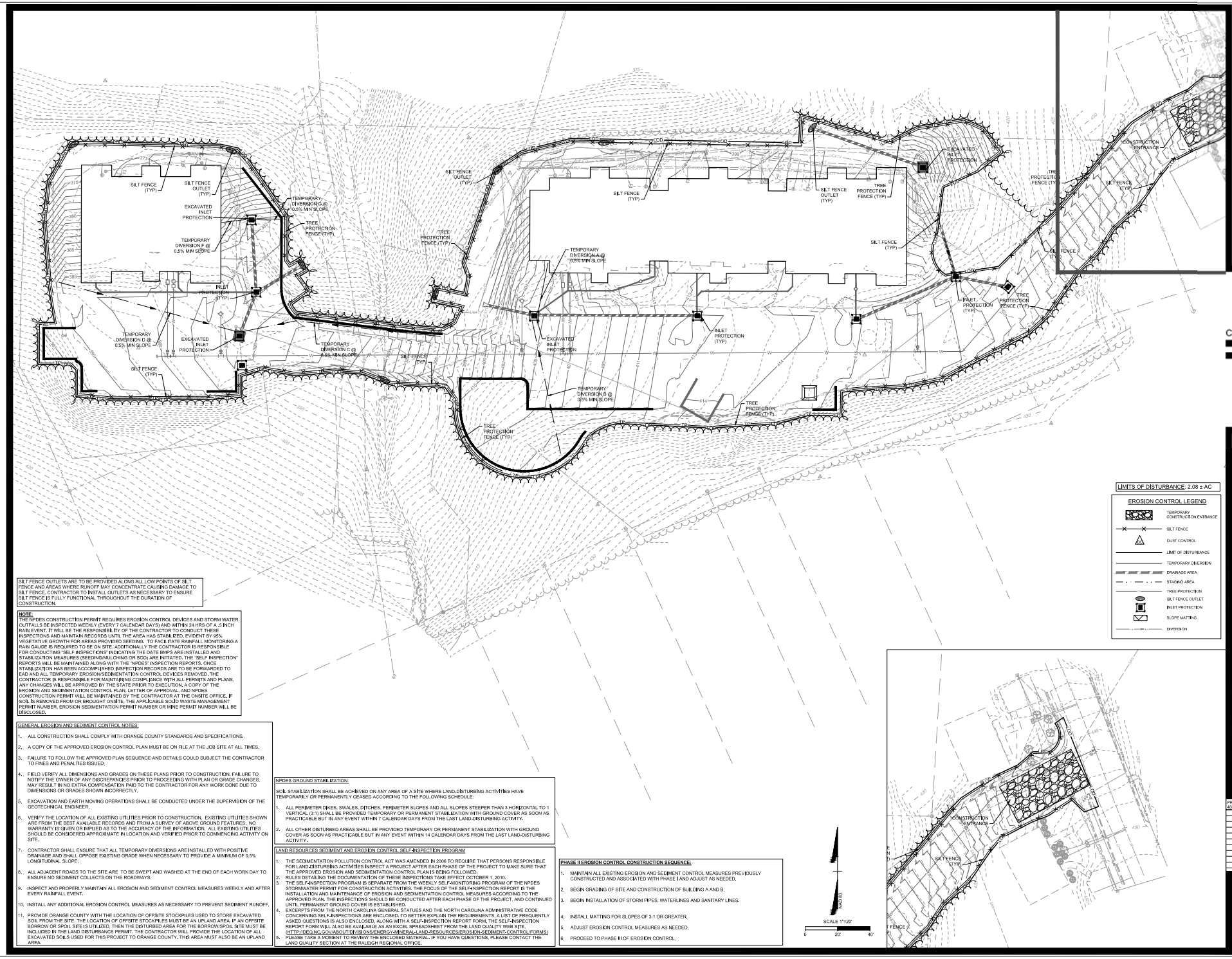
PHASE I EROSION & SEDIMENT CONTROL PLAN

C2.0



SILT FENCE OUTLETS ARE TO BE PROVIDED ALONG ALL LOW POINTS OF SILT FENCE AND AREAS WHERE RUNOFF MAY CONCENTRATE CAUSING DAMAGE TO SILT FENCE. CONTRACTOR TO INSTALL OUTLETS AS NECESSARY TO ENSURE SILT FENCE IS FULLY FUNCTIONAL THROUGHOUT THE DURATION OF CONSTRUCTION.

NOTE:
THE NPDES CONSTRUCTION PERMIT REQUIRES EROSION CONTROL DEVICES AND STORM WATER OUTFALLS BE INSPECTED WEEKLY (EVERY 7 CALENDAR DAYS) AND WITHIN 24 HRS OF A .5 INCH RAIN EVENT. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT THESE INSPECTIONS AND MAINTAIN RECORDS UNTIL THE AREA HAS STABILIZED, EVIDENT BY 85% VEGETATIVE GROWTH FOR AREAS PROVIDED SEEDING. TO FACILITATE RAINFALL MONITORING A RAIN GAUGE IS REQUIRED TO BE ON SITE. ADDITIONALLY THE CONTRACTOR IS RESPONSIBLE FOR CONDUCTING "SELF INSPECTIONS" INDICATING THE DATE BMPS ARE INSTALLED AND STABILIZATION MEASURES (SEEDING/MULCHING OR SOD) ARE INITIATED. THE "SELF INSPECTION" REPORTS WILL BE MAINTAINED ALONG WITH THE "NPDES" INSPECTION REPORTS. ONCE STABILIZATION HAS BEEN ACCOMPLISHED INSPECTION RECORDS ARE TO BE FORWARDED TO EAD AND ALL TEMPORARY EROSION/SEDIMENTATION CONTROL DEVICES REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING COMPLIANCE WITH ALL PERMITS AND PLANS. ANY CHANGES WILL BE APPROVED BY THE STATE PRIOR TO EXECUTION. A COPY OF THE EROSION AND SEDIMENTATION CONTROL PLAN, LETTER OF APPROVAL, AND NPDES CONSTRUCTION PERMIT WILL BE MAINTAINED BY THE CONTRACTOR AT THE ONSITE OFFICE. IF SOIL IS REMOVED FROM OR BROUGHT ONSITE, THE APPLICABLE SOLID WASTE MANAGEMENT PERMIT NUMBER, EROSION SEDIMENTATION PERMIT NUMBER OR MINE PERMIT NUMBER WILL BE DISCLOSED.

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

1. ALL CONSTRUCTION SHALL COMPLY WITH ORANGE COUNTY STANDARDS AND SPECIFICATIONS.
2. A COPY OF THE APPROVED EROSION CONTROL PLAN MUST BE ON FILE AT THE JOB SITE AT ALL TIMES.
3. FAILURE TO FOLLOW THE APPROVED PLAN SEQUENCE AND DETAILS COULD SUBJECT THE CONTRACTOR TO FINES AND PENALTIES ISSUED.
4. FIELD VERIFY ALL DIMENSIONS AND GRADES ON THESE PLANS PRIOR TO CONSTRUCTION. FAILURE TO NOTIFY THE OWNER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH PLAN OR GRADE CHANGES, MAY RESULT IN NO EXTRA COMPENSATION PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY.
5. EXCAVATION AND EARTH MOVING OPERATIONS SHALL BE CONDUCTED UNDER THE SUPERVISION OF THE GEOTECHNICAL ENGINEER.
6. VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. EXISTING UTILITIES SHOWN ARE FROM THE BEST AVAILABLE RECORDS AND FROM A SURVEY OF ABOVE GROUND FEATURES. NO WARRANTY IS GIVEN OR IMPLIED AS TO THE ACCURACY OF THE INFORMATION. ALL EXISTING UTILITIES SHOULD BE CONSIDERED APPROXIMATE IN LOCATION AND VERIFIED PRIOR TO COMMENCING ACTIVITY ON SITE.
7. CONTRACTOR SHALL ENSURE THAT ALL TEMPORARY DIVERSIONS ARE INSTALLED WITH POSITIVE DRAINAGE AND SHALL OPPOSE EXISTING GRADE WHEN NECESSARY TO PROVIDE A MINIMUM OF 0.5% LONGITUDINAL SLOPE.
8. ALL ADJACENT ROADS TO THE SITE ARE TO BE SWEPT AND WASHED AT THE END OF EACH WORK DAY TO ENSURE NO SEDIMENT COLLECTS ON THE ROADWAYS.
9. INSPECT AND PROPERLY MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EVERY RAINFALL EVENT.
10. INSTALL ANY ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY TO PREVENT SEDIMENT RUNOFF.
11. PROVIDE ORANGE COUNTY WITH THE LOCATION OF OFFSITE STOCKPILES USED TO STORE EXCAVATED SOIL FROM THE SITE. THE LOCATION OF OFFSITE STOCKPILES MUST BE AN UPLAND AREA. IF AN OFFSITE BORROW OR SPOIL SITE IS UTILIZED, THEN THE DISTURBED AREA FOR THE BORROW/SPOIL SITE MUST BE INCLUDED IN THE LAND DISTURBANCE PERMIT. THE CONTRACTOR WILL PROVIDE THE LOCATION OF ALL EXCAVATED SOILS USED FOR THIS PROJECT TO ORANGE COUNTY. THIS AREA MUST ALSO BE AN UPLAND AREA.

NPDES GROUND STABILIZATION:

SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF A SITE WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:

1. ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
2. ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.

LAND RESOURCES SEDIMENT AND EROSION CONTROL SELF-INSPECTION PROGRAM

1. THE SEDIMENTATION POLLUTION CONTROL ACT WAS AMENDED IN 2006 TO REQUIRE THAT PERSONS RESPONSIBLE FOR LAND-DISTURBING ACTIVITIES INSPECT A PROJECT AFTER EACH PHASE OF THE PROJECT TO MAKE SURE THAT THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS BEING FOLLOWED.
2. RULES DETAILING THE DOCUMENTATION OF THESE INSPECTIONS TAKE EFFECT OCTOBER 1, 2010.
3. THE SELF-INSPECTION PROGRAM IS SEPARATE FROM THE WEEKLY SELF-MONITORING PROGRAM OF THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES. THE FOCUS OF THE SELF-INSPECTION REPORT IS THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES ACCORDING TO THE APPROVED PLAN. THE INSPECTIONS SHOULD BE CONDUCTED AFTER EACH PHASE OF THE PROJECT, AND CONTINUED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
4. EXCERPTS FROM THE NORTH CAROLINA GENERAL STATUES AND THE NORTH CAROLINA ADMINISTRATIVE CODE CONCERNING SELF-INSPECTIONS ARE ENCLOSED. TO BETTER EXPLAIN THE REQUIREMENTS, A LIST OF FREQUENTLY ASKED QUESTIONS IS ALSO ENCLOSED, ALONG WITH A SELF-INSPECTION REPORT FORM. THE SELF-INSPECTION REPORT FORM WILL ALSO BE AVAILABLE AS AN EXCEL SPREADSHEET FROM THE LAND QUALITY WEB SITE. (HTTP://DEQ.NC.GOV/ABOUT/DIVISIONS/ENERGY-MINERAL-LAND-RESOURCES/EROSION-SEDIMENT-CONTROL/FORMS)
5. PLEASE TAKE A MOMENT TO REVIEW THE ENCLOSED MATERIAL. IF YOU HAVE QUESTIONS, PLEASE CONTACT THE LAND QUALITY SECTION AT THE RALEIGH REGIONAL OFFICE.

PHASE II EROSION CONTROL CONSTRUCTION SEQUENCE:

1. MAINTAIN ALL EXISTING EROSION AND SEDIMENT CONTROL MEASURES PREVIOUSLY CONSTRUCTED AND ASSOCIATED WITH PHASE I AND ADJUST AS NEEDED.
2. BEGIN GRADING OF SITE AND CONSTRUCTION OF BUILDING A AND B.
3. BEGIN INSTALLATION OF STORM PIPES, WATERLINES AND SANITARY LINES.
4. INSTALL MATTING FOR SLOPES OF 3:1 OR GREATER.
5. ADJUST EROSION CONTROL MEASURES AS NEEDED.
6. PROCEED TO PHASE III OF EROSION CONTROL.

SCALE 1"=20'
0 20' 40'

LIMITS OF DISTURBANCE: 2.08 ± AC

EROSION CONTROL LEGEND

- TEMPORARY CONSTRUCTION ENTRANCE
- SILT FENCE
- DUST CONTROL
- LIMIT OF DISTURBANCE
- TEMPORARY DIVERSION
- DRAINAGE AREA
- STAGING AREA
- TREE PROTECTION
- SILT FENCE OUTLET
- INLET PROTECTION
- SLOPE MATTING
- DIVERSION

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NORTH CAROLINA PROFESSIONAL SEAL 045852 12/08/21 ENGINEER
NOT FOR CONSTRUCTION

TIMMONS GROUP

TRINITY COURT

TRINITY COURT REDEVELOPMENT, LLC
751 TRINITY CT, CHAPEL HILL, NC 27516

PROJECT NO.	DATE
49833	DECEMBER 08, 2021

REVISIONS

DATE	DESCRIPTION
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PHASE II EROSION & SEDIMENT CONTROL PLAN

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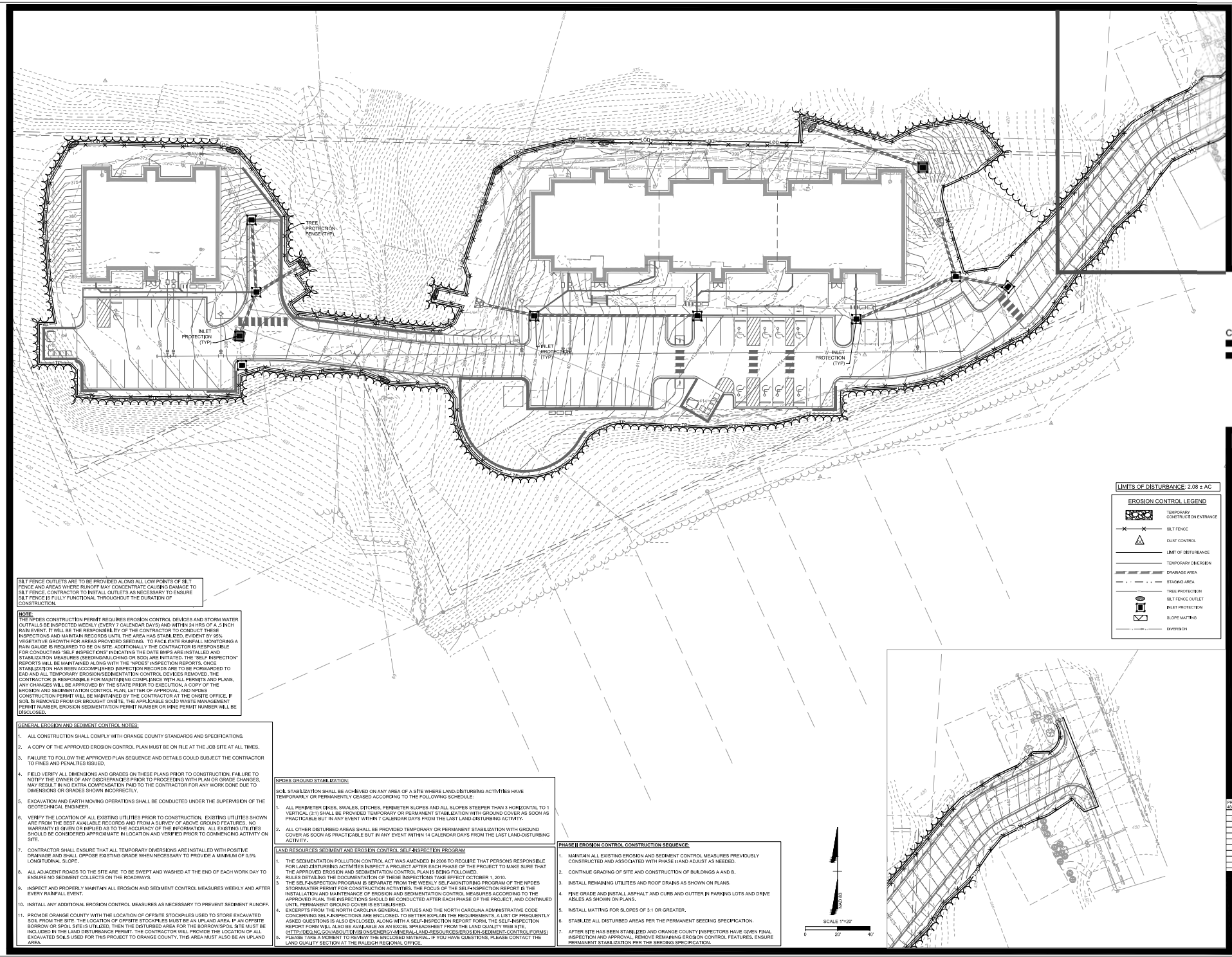

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PHASE II EROSION CONTROL CONSTRUCTION SEQUENCE:

1. MAINTAIN ALL EXISTING EROSION AND SEDIMENT CONTROL MEASURES PREVIOUSLY CONSTRUCTED AND ASSOCIATED WITH PHASE II AND ADJUST AS NEEDED.
2. CONTINUE GRADING OF SITE AND CONSTRUCTION OF BUILDINGS A AND B.
3. INSTALL REMAINING UTILITIES AND ROOF DRAINS AS SHOWN ON PLANS.
4. FINE GRADE AND INSTALL ASPHALT AND CURB AND GUTTER IN PARKING LOTS AND DRIVE AISLES AS SHOWN ON PLANS.
5. INSTALL MATTING FOR SLOPES OF 3:1 OR GREATER.
6. STABILIZE ALL DISTURBED AREAS PER THE PERMANENT SEEDING SPECIFICATION.
7. AFTER SITE HAS BEEN STABILIZED AND ORANGE COUNTY INSPECTORS HAVE GIVEN FINAL INSPECTION AND APPROVAL, REMOVE REMAINING EROSION CONTROL FEATURES, ENSURE PERMANENT STABILIZATION PER THE SEEDING SPECIFICATION.

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NORTH CAROLINA PROFESSIONAL SEAL 045852 12/08/21 ENGINEER
NOT FOR CONSTRUCTION

TIMMONS GROUP

TRINITY COURT

TRINITY COURT REDEVELOPMENT, LLC
751 TRINITY CT, CHAPEL HILL, NC 27516

PROJECT NO: 49833	DATE: DECEMBER 08, 2021
REVISIONS	
DATE	DESCRIPTION
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PHASE III EROSION & SEDIMENT CONTROL PLAN

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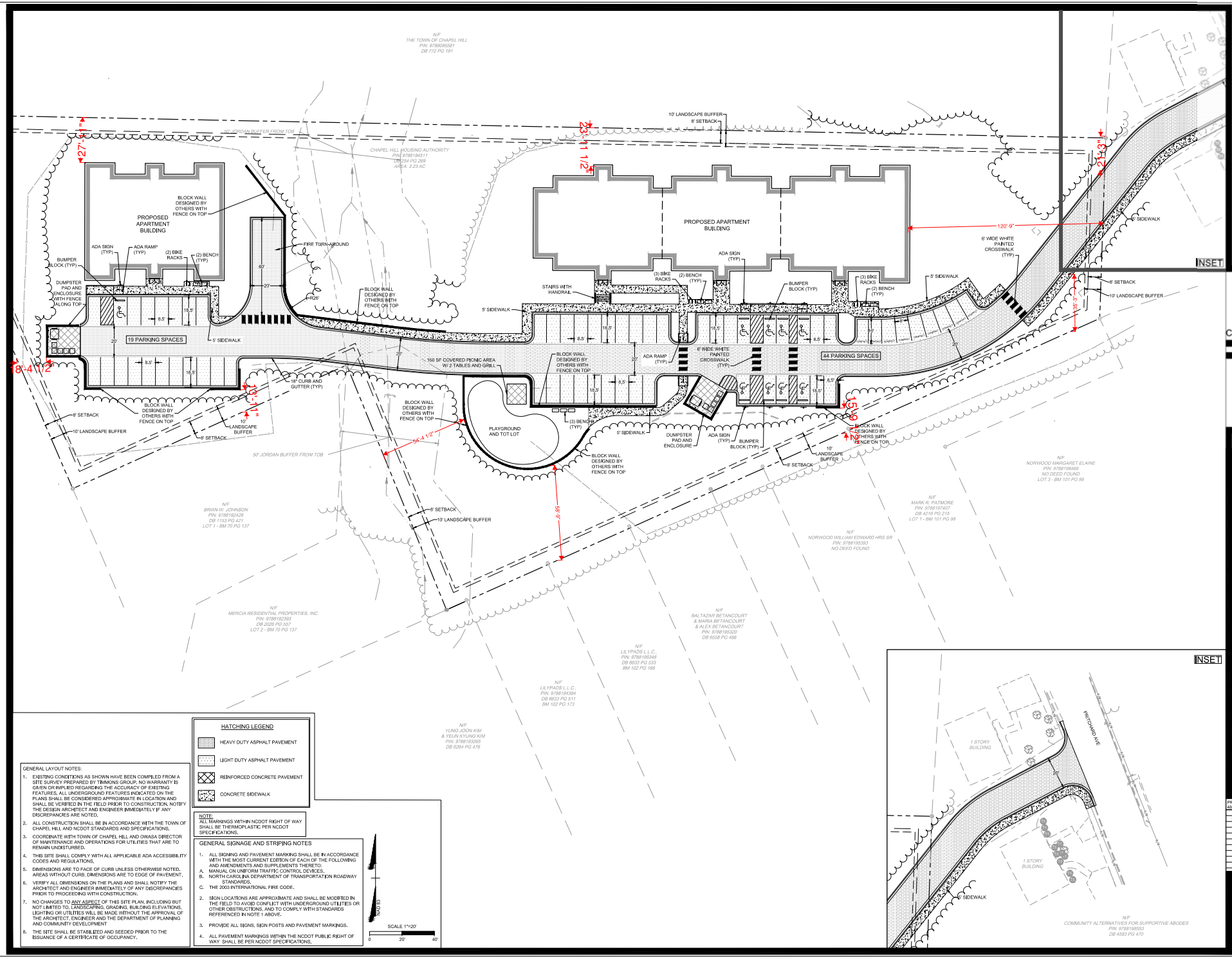

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TRINITY COURT

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751 TRINITY CT, CHAPEL HILL, NC 27516

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SITE PLAN

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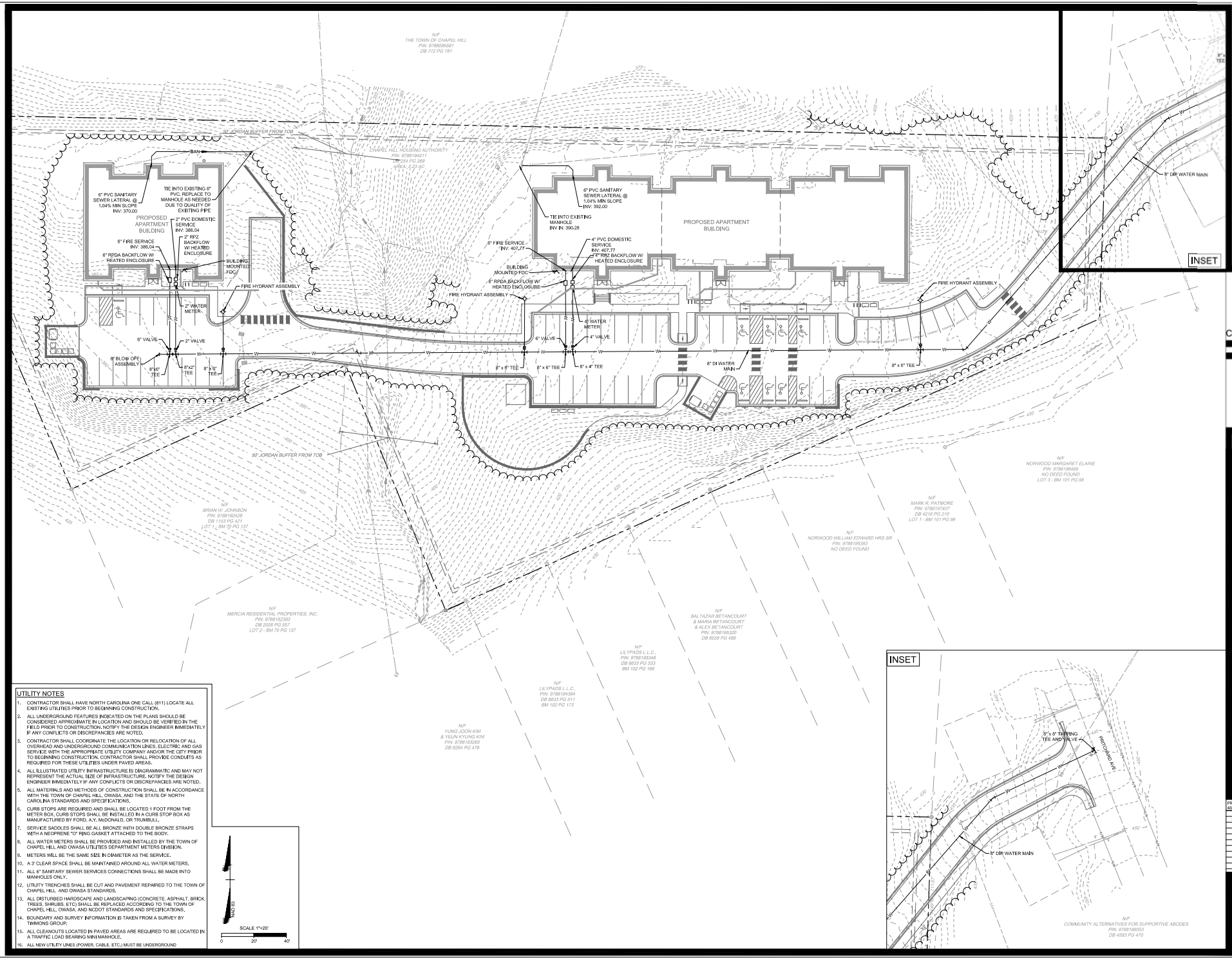

UTILITY NOTES

1. CONTRACTOR SHALL HAVE NORTH CAROLINA ONE CALL (811) LOCATE ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
2. ALL UNDERGROUND FEATURES INDICATED ON THE PLANS SHOULD BE CONSIDERED APPROXIMATE IN LOCATION AND SHOULD BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE DESIGN ENGINEER IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES ARE NOTED.
3. CONTRACTOR SHALL COORDINATE THE LOCATION OR RELOCATION OF ALL OVERHEAD AND UNDERGROUND COMMUNICATION LINES, ELECTRIC AND GAS SERVICE WITH THE APPROPRIATE UTILITY COMPANY AND/OR THE CITY PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL PROVIDE CONDUITS AS REQUIRED FOR THESE UTILITIES UNDER PAVED AREAS.
4. ALL ILLUSTRATED UTILITY INFRASTRUCTURE IS DIAGRAMMATIC AND MAY NOT REPRESENT THE ACTUAL SIZE OF INFRASTRUCTURE. NOTIFY THE DESIGN ENGINEER IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES ARE NOTED.
5. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, OWASA, AND THE STATE OF NORTH CAROLINA STANDARDS AND SPECIFICATIONS.
6. CURB STOPS ARE REQUIRED AND SHALL BE LOCATED 1 FOOT FROM THE METER BOX. CURB STOPS SHALL BE INSTALLED IN A CURB STOP BOX AS MANUFACTURED BY FORD, A.Y. McDONALD, OR TRUMBULL.
7. SERVICE SADDLES SHALL BE ALL BRONZE WITH DOUBLE BRONZE STRAPS WITH A NEOPRENE "O" RING GASKET ATTACHED TO THE BODY.
8. ALL WATER METERS SHALL BE PROVIDED AND INSTALLED BY THE TOWN OF CHAPEL HILL AND OWASA UTILITIES DEPARTMENT METERS DIVISION.
9. METERS WILL BE THE SAME SIZE IN DIAMETER AS THE SERVICE.
10. A 3' CLEAR SPACE SHALL BE MAINTAINED AROUND ALL WATER METERS.
11. ALL 6" SANITARY SEWER SERVICES CONNECTIONS SHALL BE MADE INTO MANHOLES ONLY.
12. UTILITY TRENCHES SHALL BE CUT AND PAVEMENT REPAIRED TO THE TOWN OF CHAPEL HILL AND OWASA STANDARDS.
13. ALL DISTURBED HARDSCAPE AND LANDSCAPING (CONCRETE, ASPHALT, BRICK, TREES, SHRUBS, ETC) SHALL BE REPLACED ACCORDING TO THE TOWN OF CHAPEL HILL, OWASA, AND NCDOT STANDARDS AND SPECIFICATIONS.
14. BOUNDARY AND SURVEY INFORMATION IS TAKEN FROM A SURVEY BY TIMMONS GROUP.
15. ALL CLEANOUTS LOCATED IN PAVED AREAS ARE REQUIRED TO BE LOCATED IN A TRAFFIC LOAD BEARING MINI MANHOLE.
16. ALL NEW UTILITY LINES (POWER, CABLE, ETC.) MUST BE UNDERGROUND

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045862 12/08/21 REGISTERED

NOT FOR CONSTRUCTION

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH PEOPLE

TRINITY COURT

TRINITY COURT REDEVELOPMENT, LLC
751 TRINITY CT, CHAPEL HILL, NC 27516

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UTILITY PLAN

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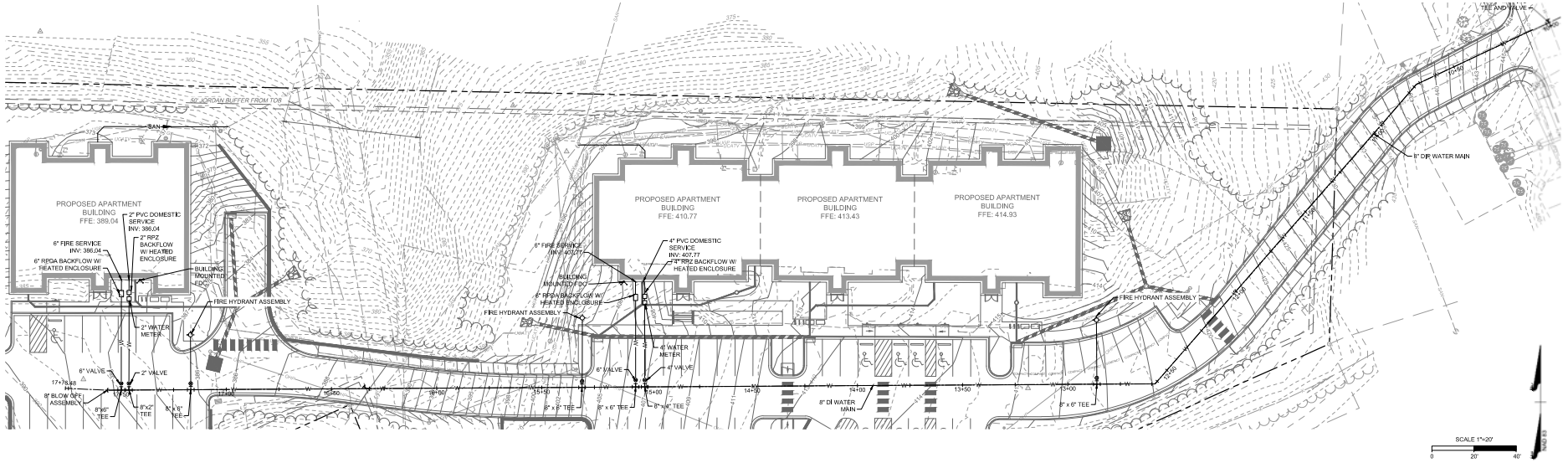

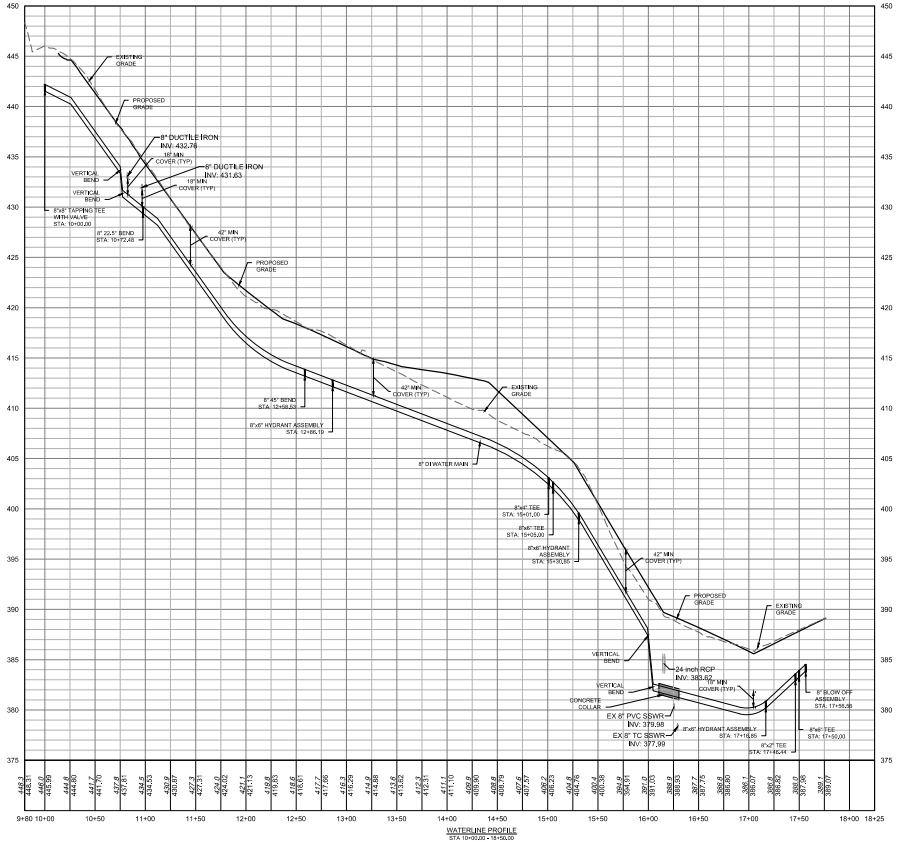

WATERLINE PROFILE
STA 10+00,00 - 18+56,00

VERTICAL GRAPHIC SCALE
(IN FEET)
1 inch = 5 ft.

SCALE 1"=50'
0
50'
100'

NOTES:
1. PIPE LENGTHS IN PROFILES ARE ACTUAL PIPE LENGTHS FROM CENTER TO CENTER OF STRUCTURE. PIPE LENGTHS IN DRAINAGE DESCRIPTIONS ARE PIPE LENGTHS AS MEASURED IN PLAN VIEW FROM CENTER TO CENTER OF STRUCTURE.
2. PROVIDE VERTICAL BENDS AT ALL WATERLINES THAT CROSS OTHER UTILITIES ON STORM PIPES WITH LESS THAN 18" OF COVER.

KEY
C/L EX. GRADE
C/L FINAL GRADE
FILL

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045802 12/08/21 REGISTERED

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TIMMONS GROUP
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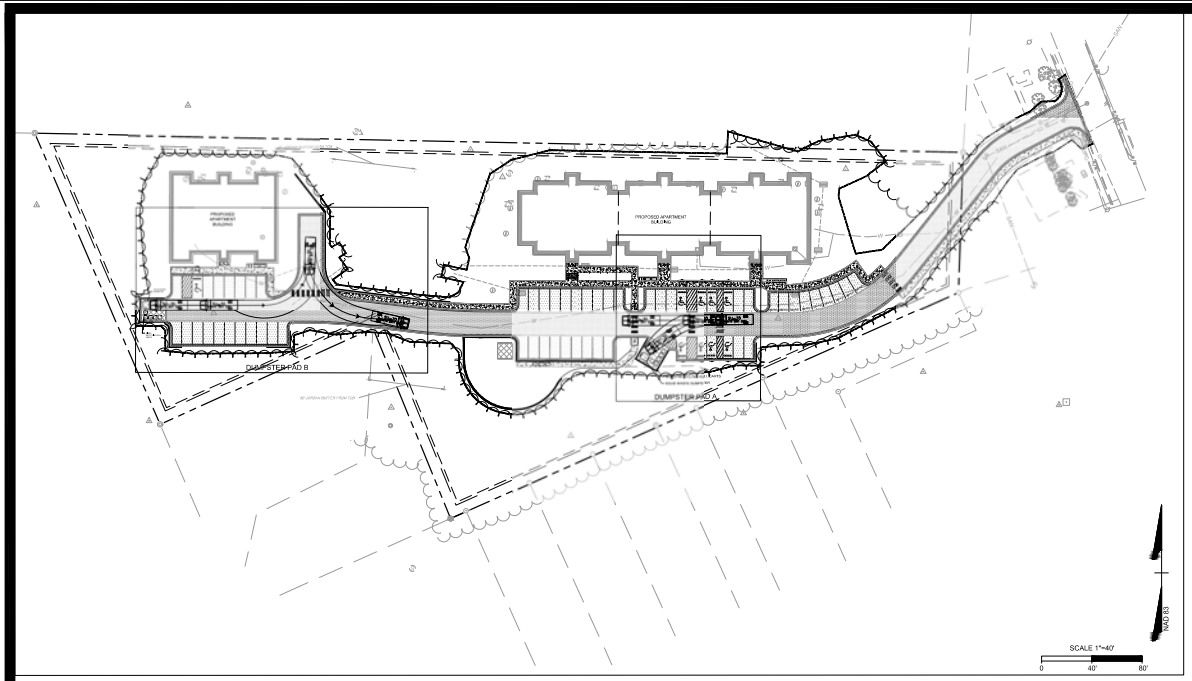
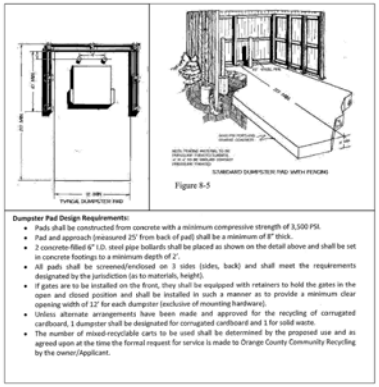
WATERLINE PROFILE

C3.2

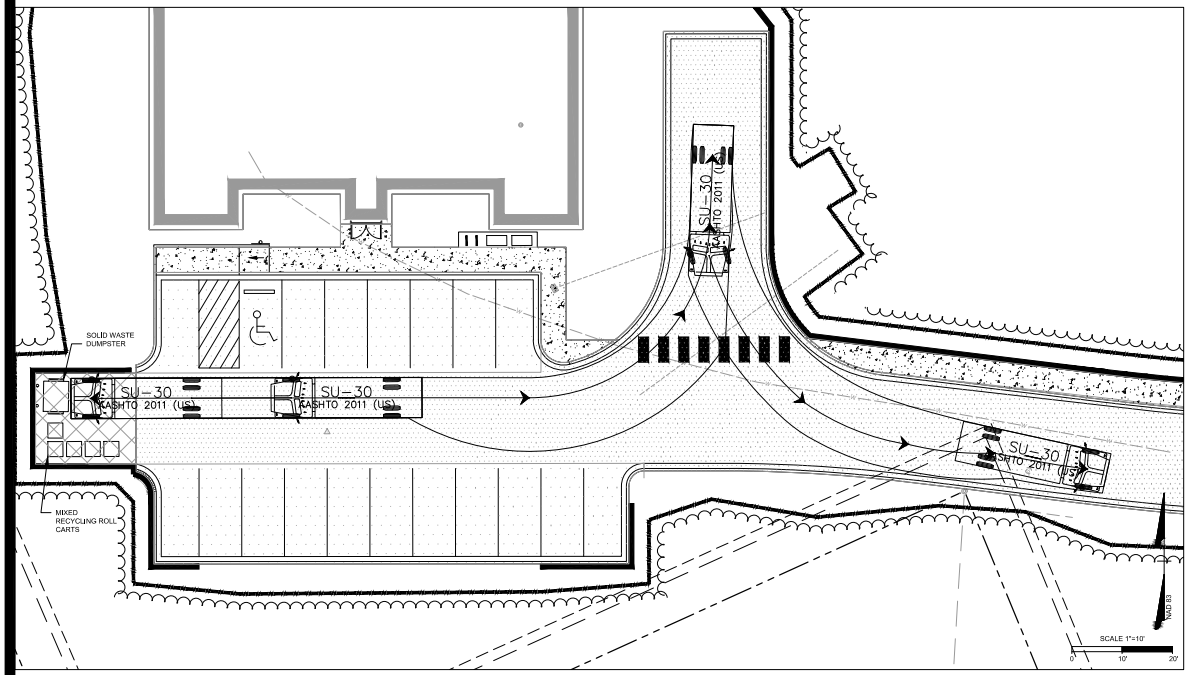


KEY PLAN

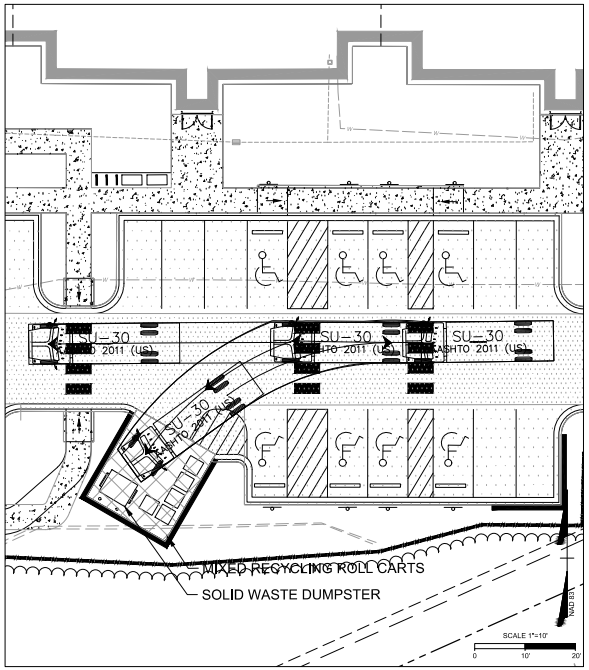


SOLID WASTE MANAGEMENT NOTES:

1. PRIOR TO ANY CONSTRUCTION ACTIVITY ON SITE A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH THE ORANGE COUNTY SOLID WASTE STAFF.
2. ALL GATES SHALL INCLUDE GATE RETAINERS
3. BY ORANGE COUNTY ORDINANCE, CLEAN WOOD WASTE, SCRAP METAL AND CORRUGATED CARDBOARD, ALL PRESENT IN CONSTRUCTION WASTE, MUST BE RECYCLED.
4. BY ORANGE COUNTY ORDINANCE, ALL HAULERS OF CONSTRUCTION WASTE SHALL BE PROPERLY LICENSED.
5. IF ANY VEHICLES ARE PARKED IN THE REFUSE OR RECYCLABLES COLLECTION VEHICLE ACCESS AREA, THE CONTAINERS WILL NOT RECEIVE SERVICE UNTIL THE NEXT SCHEDULED COLLECTION DAY.



DUMPSTER PAD B



DUMPSTER PAD A

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TIMMONS GROUP

TRINITY COURT

TRINITY COURT REDEVELOPMENT, LLC
751 TRINITY CT, CHAPEL HILL, NC 27516

PROJECT NO.	DATE
45833	DECEMBER 8, 2021

REVISIONS	
DATE	DESCRIPTION
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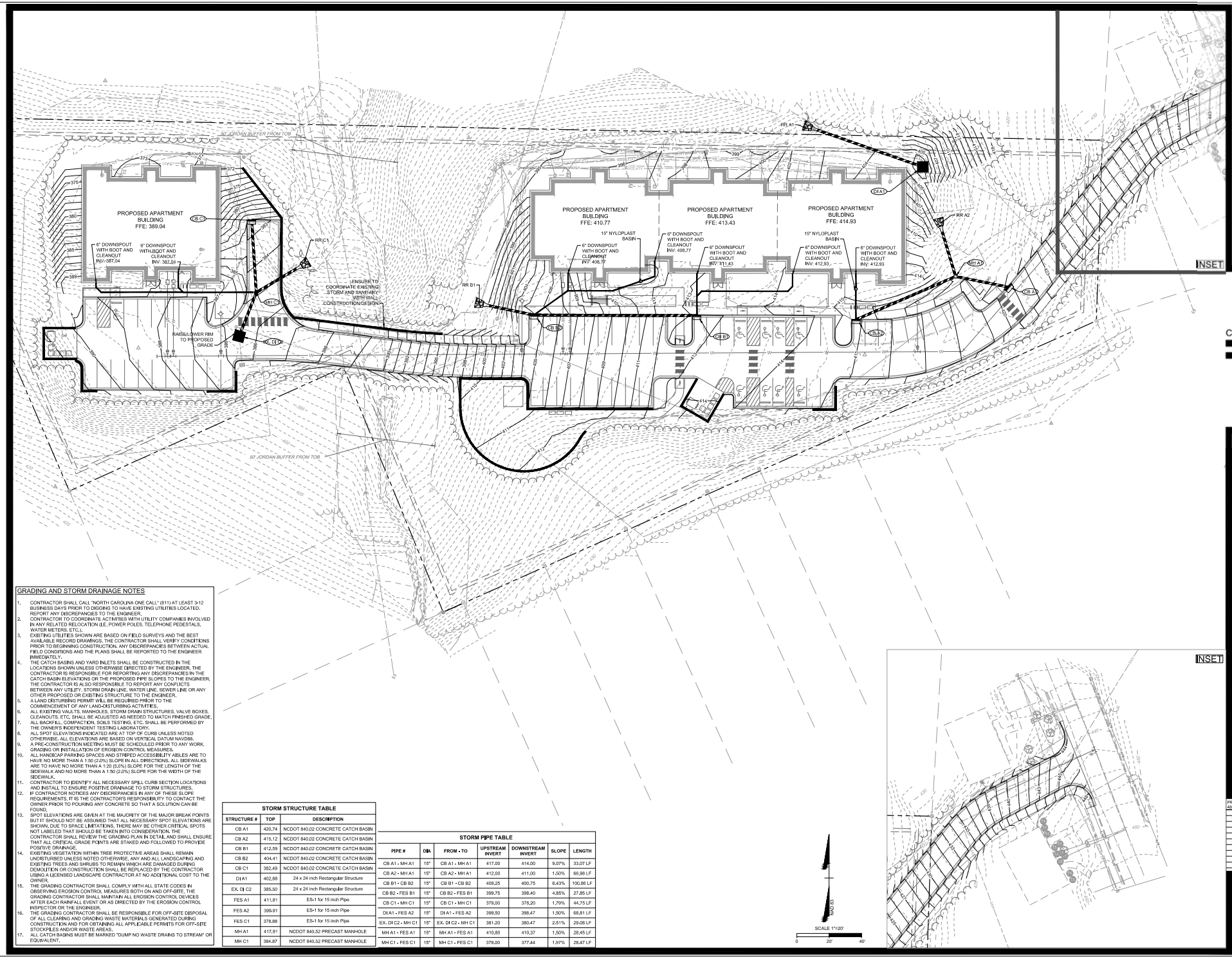
SOLID WASTE MANAGEMENT PLAN

C3.3



GRADING AND STORM DRAINAGE NOTES

1. CONTRACTOR SHALL CALL "NORTH CAROLINA ONE CALL" (811) AT LEAST 3-12 BUSINESS DAYS PRIOR TO DIGGING TO HAVE EXISTING UTILITIES LOCATED. REPORT ANY DISCREPANCIES TO THE ENGINEER.
2. CONTRACTOR TO COORDINATE ACTIVITIES WITH UTILITY COMPANIES INVOLVED IN ANY RELATED RELOCATION (I.E. POWER POLES, TELEPHONE PEDESTALS, WATER METERS, ETC.).
3. EXISTING UTILITIES SHOWN ARE BASED ON FIELD SURVEYS AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE PLANS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
4. THE CATCH BASINS AND YARD INLETS SHALL BE CONSTRUCTED IN THE LOCATIONS SHOWN UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR REPORTING ANY DISCREPANCIES IN THE CATCH BASIN ELEVATIONS OR THE PROPOSED PIPE SLOPES TO THE ENGINEER. THE CONTRACTOR IS ALSO RESPONSIBLE TO REPORT ANY CONFLICTS BETWEEN ANY UTILITY, STORM DRAIN LINE, WATER LINE, SEWER LINE OR ANY OTHER PROPOSED OR EXISTING STRUCTURE TO THE ENGINEER.
5. A LAND DISTURBING PERMIT WILL BE REQUIRED PRIOR TO THE COMMENCEMENT OF ANY LAND-DISTURBING ACTIVITIES.
6. ALL EXISTING VAULTS, MANHOLES, STORM DRAIN STRUCTURES, VALVE BOXES, CLEANOUTS, ETC. SHALL BE ADJUSTED AS NEEDED TO MATCH FINISHED GRADE.
7. ALL BACKFILL, COMPACTION, SOILS TESTING, ETC. SHALL BE PERFORMED BY THE OWNER'S INDEPENDENT TESTING LABORATORY.
8. ALL SPOT ELEVATIONS INDICATED ARE AT TOP OF CURB UNLESS NOTED OTHERWISE. ALL ELEVATIONS ARE BASED ON VERTICAL DATUM NAVD88.
9. A PRE-CONSTRUCTION MEETING MUST BE SCHEDULED PRIOR TO ANY WORK, GRADING OR INSTALLATION OF EROSION CONTROL MEASURES.
10. ALL HANDICAP PARKING SPACES AND STRIPED ACCESSIBILITY AISLES ARE TO HAVE NO MORE THAN A 1:50 (2.0%) SLOPE IN ALL DIRECTIONS. ALL SIDEWALKS ARE TO HAVE NO MORE THAN A 1:20 (5.0%) SLOPE FOR THE LENGTH OF THE SIDEWALK AND NO MORE THAN A 1:50 (2.0%) SLOPE FOR THE WIDTH OF THE SIDEWALK.
11. CONTRACTOR TO IDENTIFY ALL NECESSARY SPILL CURB SECTION LOCATIONS AND INSTALL TO ENSURE POSITIVE DRAINAGE TO STORM STRUCTURES.
12. IF CONTRACTOR NOTICES ANY DISCREPANCIES IN ANY OF THESE SLOPE REQUIREMENTS, IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT THE OWNER PRIOR TO POURING ANY CONCRETE SO THAT A SOLUTION CAN BE FOUND.
13. SPOT ELEVATIONS ARE GIVEN AT THE MAJORITY OF THE MAJOR BREAK POINTS BUT IT SHOULD NOT BE ASSUMED THAT ALL NECESSARY SPOT ELEVATIONS ARE SHOWN, DUE TO SPACE LIMITATIONS, THERE MAY BE OTHER CRITICAL SPOTS NOT LABELED THAT SHOULD BE TAKEN INTO CONSIDERATION. THE CONTRACTOR SHALL REVIEW THE GRADING PLAN IN DETAIL AND SHALL ENSURE THAT ALL CRITICAL GRADE POINTS ARE STAKED AND FOLLOWED TO PROVIDE POSITIVE DRAINAGE.
14. EXISTING VEGETATION WITHIN TREE PROTECTIVE AREAS SHALL REMAIN UNDISTURBED UNLESS NOTED OTHERWISE. ANY AND ALL LANDSCAPING AND EXISTING TREES AND SHRUBS TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR USING A LICENSED LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
15. THE GRADING CONTRACTOR SHALL COMPLY WITH ALL STATE CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF-SITE. THE GRADING CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT OR AS DIRECTED BY THE EROSION CONTROL INSPECTOR OR THE ENGINEER.
16. THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR OFF-SITE DISPOSAL OF ALL CLEARING AND GRADING WASTE MATERIALS GENERATED DURING CONSTRUCTION AND FOR OBTAINING ALL APPLICABLE PERMITS FOR OFF-SITE STOCKPILES AND/OR WASTE AREAS.
17. ALL CATCH BASINS MUST BE MARKED "DUMP NO WASTE DRAINS TO STREAM" OR EQUIVALENT.

STORM STRUCTURE TABLE

STRUCTURE #	TOP	DESCRIPTION
CB A1	420,74	NCDOT 840,02 CONCRETE CATCH BASIN
CB A2	415,12	NCDOT 840,02 CONCRETE CATCH BASIN
CB B1	412,59	NCDOT 840,02 CONCRETE CATCH BASIN
CB B2	404,41	NCDOT 840,02 CONCRETE CATCH BASIN
CB C1	382,49	NCDOT 840,02 CONCRETE CATCH BASIN
DI A1	402,88	24 x 24 inch Rectangular Structure
EX. DI C2	385,50	24 x 24 inch Rectangular Structure
FES A1	411,81	ES-1 for 15 inch Pipe
FES A2	399,91	ES-1 for 15 inch Pipe
FES C1	378,88	ES-1 for 15 inch Pipe
MH A1	417,91	NCDOT 840,52 PRECAST MANHOLE
MH C1	384,87	NCDOT 840,52 PRECAST MANHOLE

STORM PIPE TABLE

PIPE #	DIA	FROM - TO	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE	LENGTH
CB A1 - MH A1	15"	CB A1 - MH A1	417,80	414,00	9,07%	33,07 LF
CB A2 - MH A1	15"	CB A2 - MH A1	412,00	411,00	1,50%	66,98 LF
CB B1 - CB B2	15"	CB B1 - CB B2	409,25	400,75	8,43%	100,86 LF
CB B2 - FES B1	15"	CB B2 - FES B1	399,75	398,40	4,85%	27,85 LF
CB C1 - MH C1	15"	CB C1 - MH C1	379,00	378,20	1,79%	44,75 LF
DI A1 - FES A2	15"	DI A1 - FES A2	399,50	398,47	1,50%	68,81 LF
EX. DI C2 - MH C1	15"	EX. DI C2 - MH C1	381,20	380,47	2,51%	29,08 LF
MH A1 - FES A1	15"	MH A1 - FES A1	410,80	410,37	1,50%	28,45 LF
MH C1 - FES C1	15"	MH C1 - FES C1	378,00	377,44	1,97%	28,47 LF

SCALE 1"=20'
0 20' 40'

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TIMMONS GROUP

TRINITY COURT

TRINITY COURT REDEVELOPMENT, LLC
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4883	DECEMBER 08, 2021

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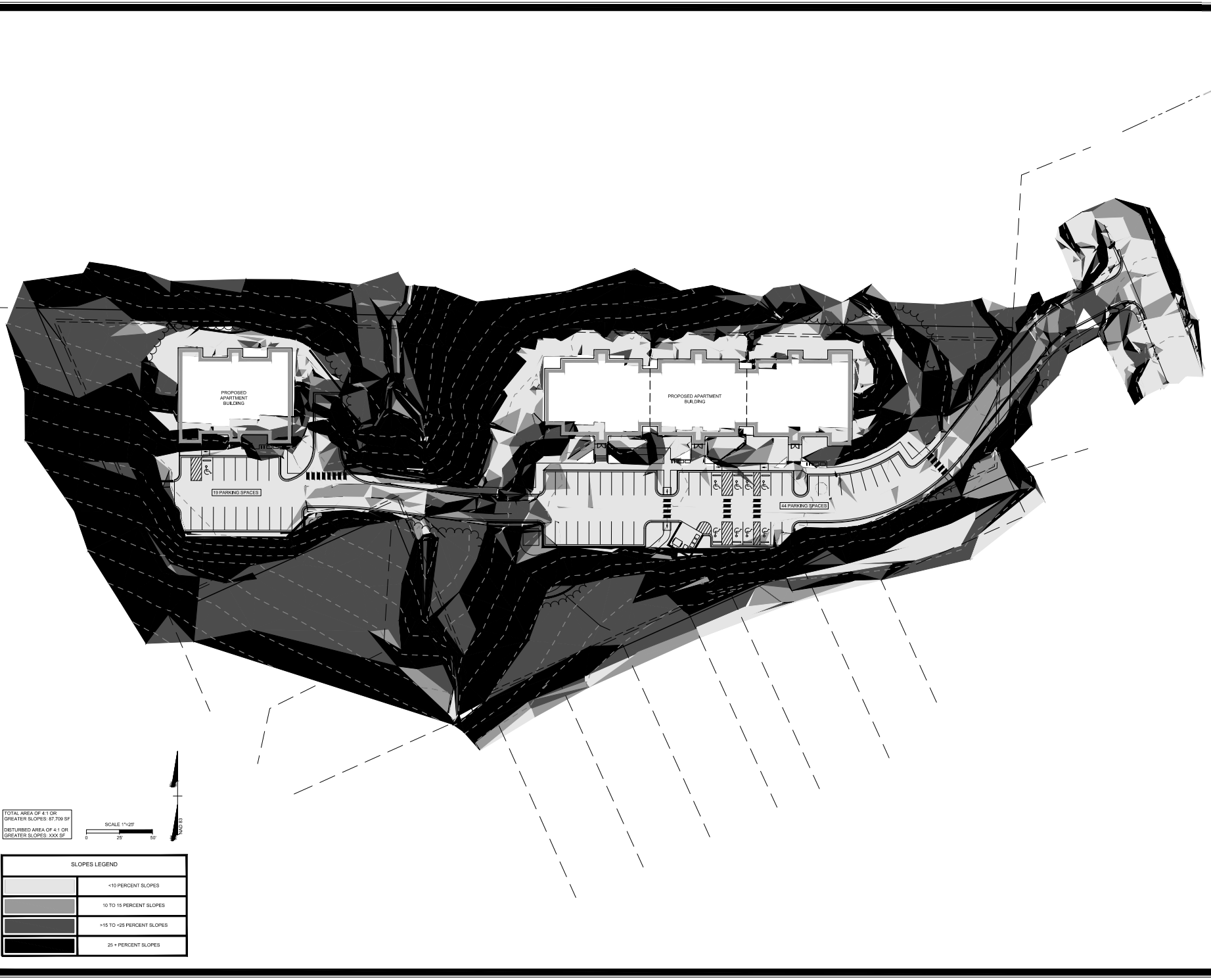
GRADING AND DRAINAGE PLAN

C4.0



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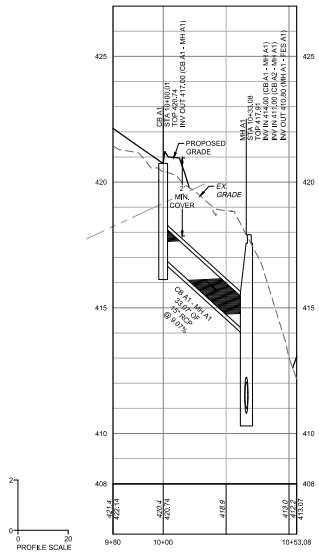
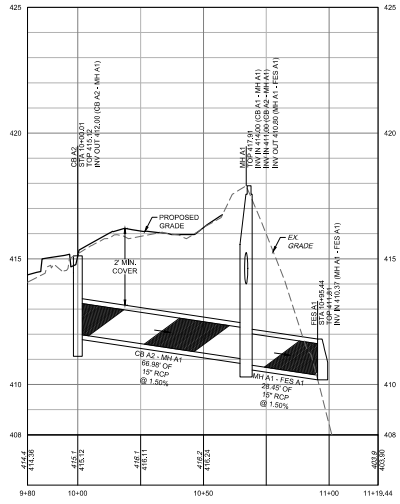
STEEP SLOPE PLAN

C4.1



STORM NETWORK A - PROFILE VIEW
STA. 9+80 - STA. 10+53.08



STORM NETWORK A - PROFILE VIEW
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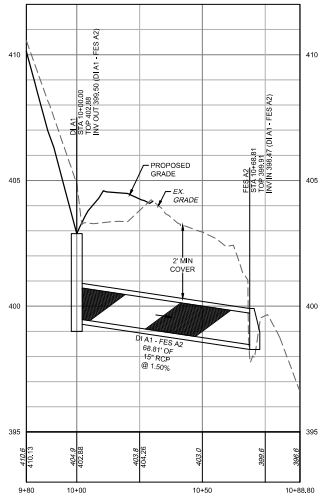
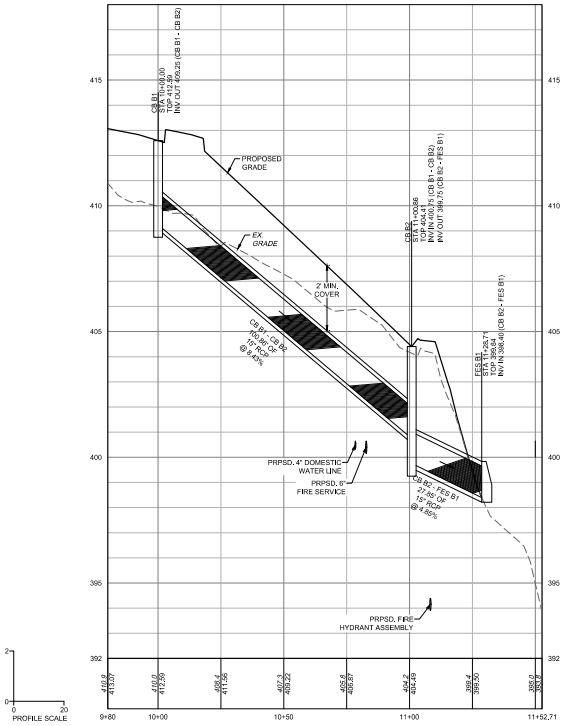
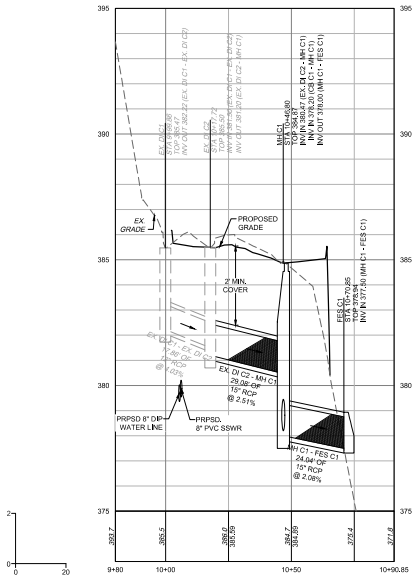


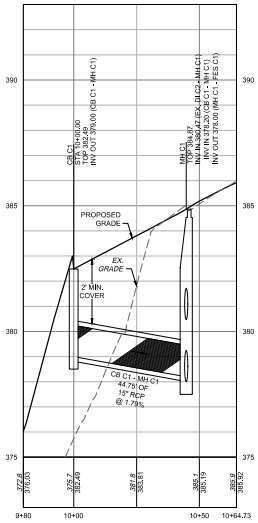
STORM NETWORK A - PROFILE VIEW
STA. 9+80 - STA. 10+88.80



STORM NETWORK B - PROFILE VIEW
STA. 9+80 - STA. 11+52.71



STORM NETWORK C - PROFILE VIEW
STA. 9+80 - STA. 10+90.85



STORM NETWORK C - PROFILE VIEW
STA. 9+80 - STA. 10+64.73

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TRINITY COURT

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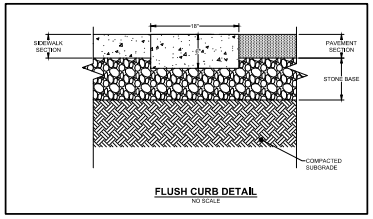
DATE	DESCRIPTION

STORM PROFILES

C4.2



FLUSH CURB DETAIL
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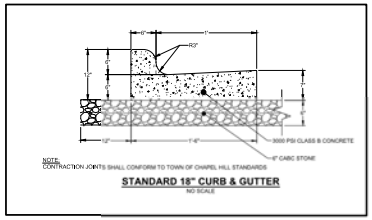

STANDARD 18" CURB & GUTTER
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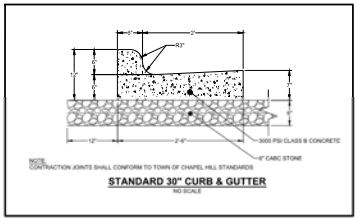

STANDARD 30" CURB & GUTTER
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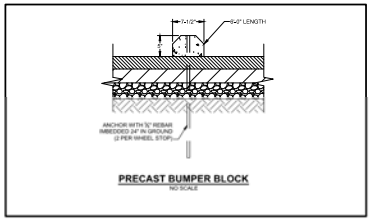

PRECAST BUMPER BLOCK
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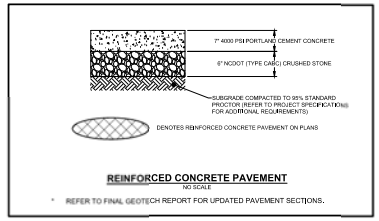
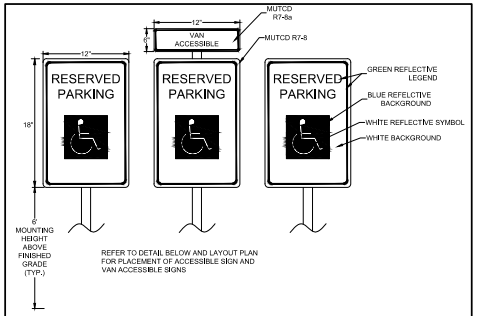
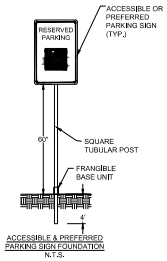


REINFORCED CONCRETE PAVEMENT
NO SCALE

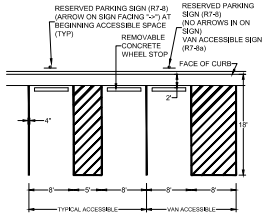
* REFER TO FINAL GEOTECH REPORT FOR UPDATED PAVEMENT SECTIONS.



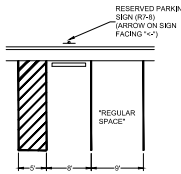
REFER TO DETAIL BELOW AND LAYOUT PLAN FOR PLACEMENT OF ACCESSIBLE SIGN AND VAN ACCESSIBLE SIGNS



ACCESSIBLE & PREFERRED PARKING SIGN FOUNDATION
N.T.S.



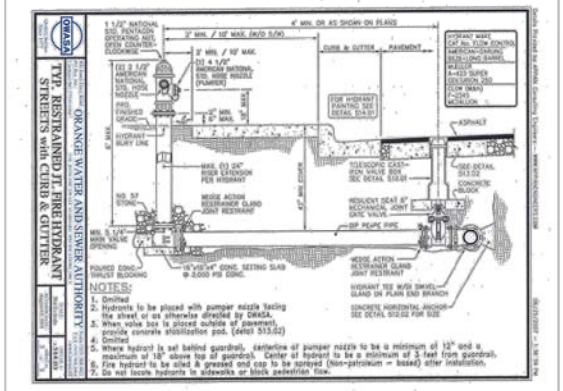
TYPICAL ACCESSIBLE SPACE LAYOUT

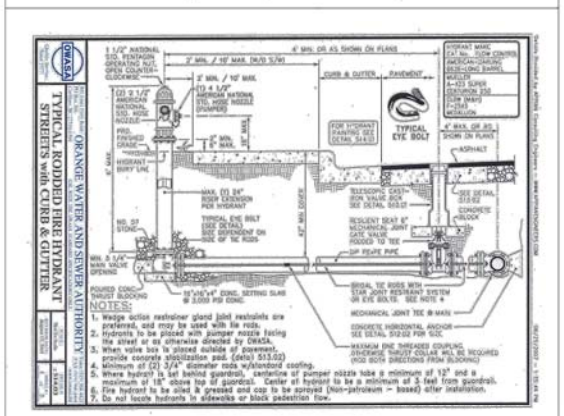


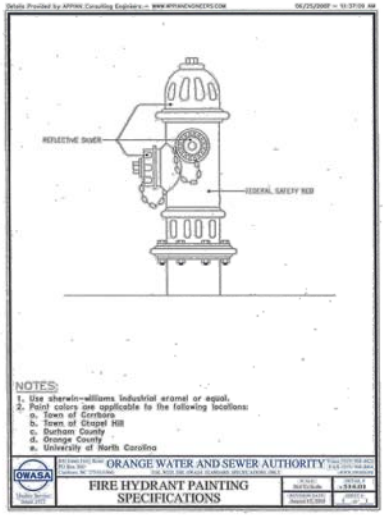
NOTE:

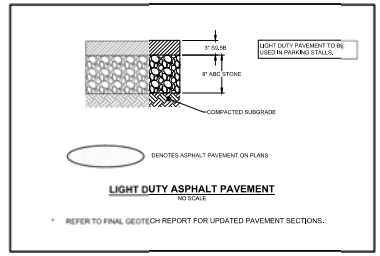
1. VERIFY WITH SITE PLANS FOR NON-TYPICAL ACCESSIBLE SPACES.
2. FOR SPACES LABELED 'VAN' PROVIDE MUTCD R7-8 SIGN AND ADDITIONAL R7-8a.

ACCESSIBLE PARKING SPACE MARKINGS AND SIGNAGE
NO SCALE



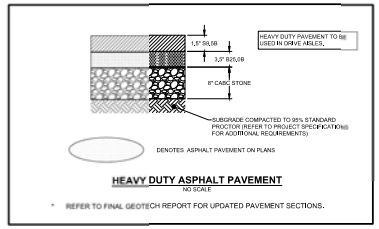






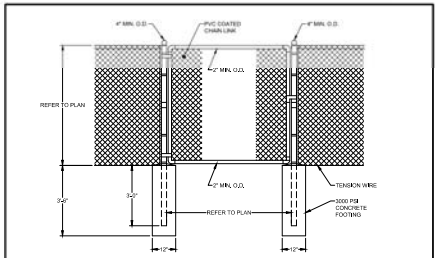
LIGHT DUTY ASPHALT PAVEMENT
NO SCALE

* REFER TO FINAL GEOTECH REPORT FOR UPDATED PAVEMENT SECTIONS.

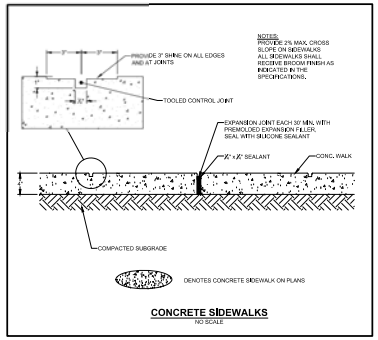


HEAVY DUTY ASPHALT PAVEMENT
NO SCALE

* REFER TO FINAL GEOTECH REPORT FOR UPDATED PAVEMENT SECTIONS.



BLACK PVC CLAD CHAIN LINK SINGLE SWING GATE
NO SCALE



CONCRETE SIDEWALKS
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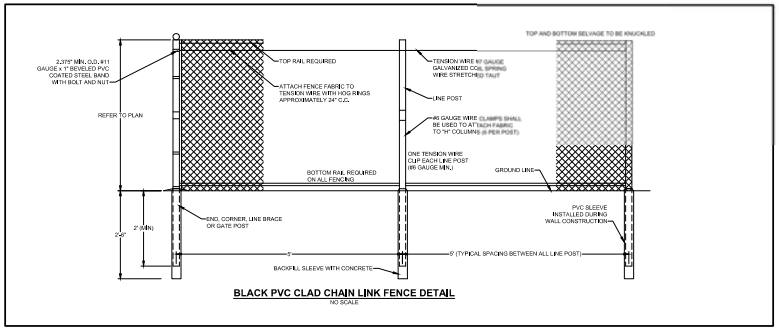

BLACK PVC CLAD CHAIN LINK FENCE DETAIL
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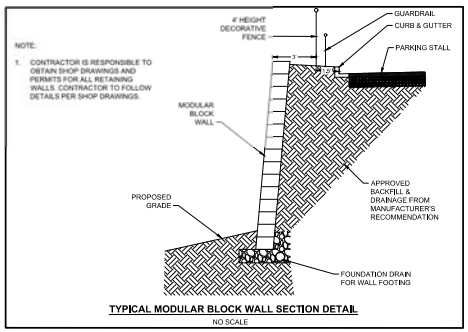

TYPICAL MODULAR BLOCK WALL SECTION DETAIL
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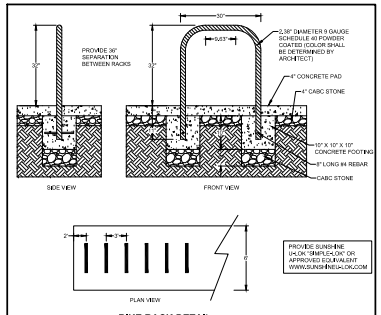

BIKE RACK DETAIL
NO SCALE

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TIMMONS GROUP

TRINITY COURT

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751 TRINITY CT, CHAPEL HILL, NC 27516

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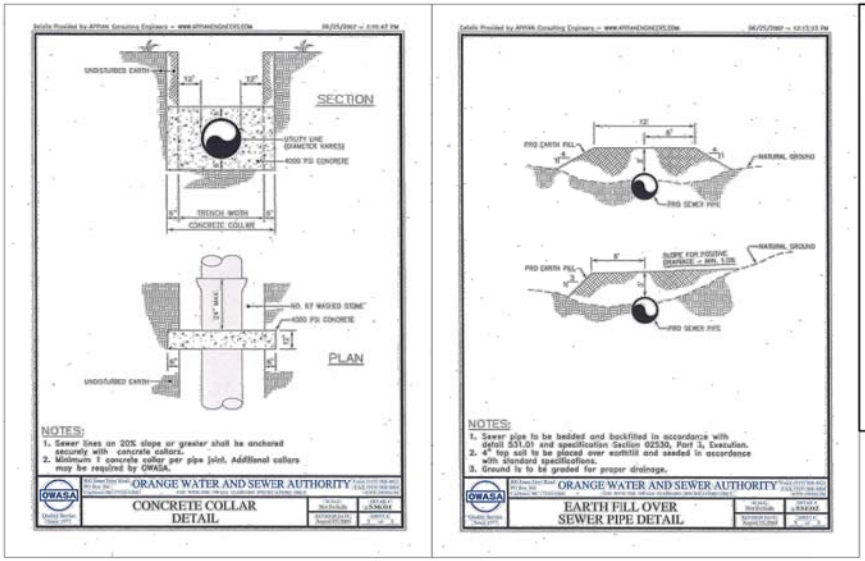
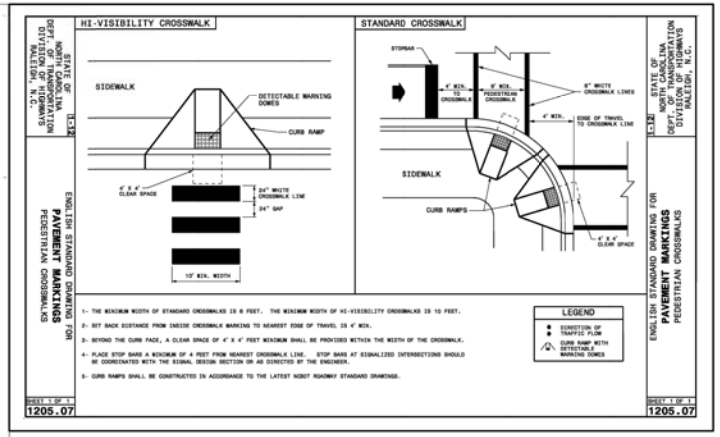
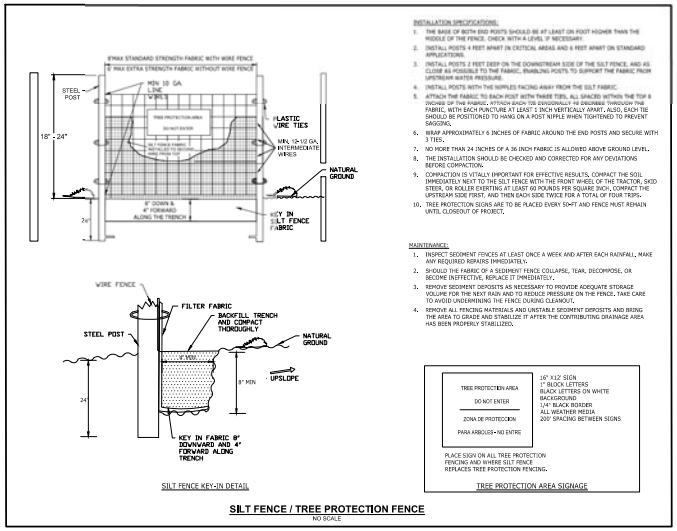
NOTES AND DETAILS

C5.0







SILT FENCE / TREE PROTECTION FENCE
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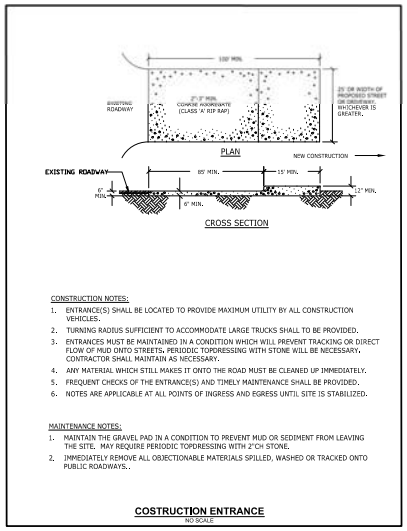
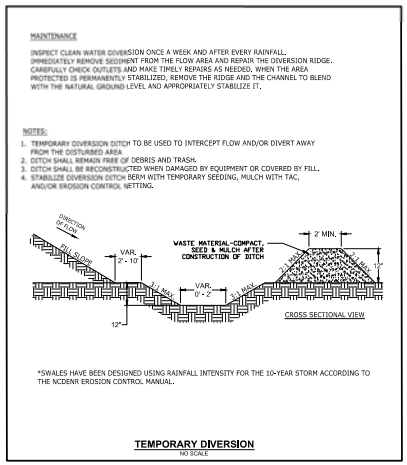
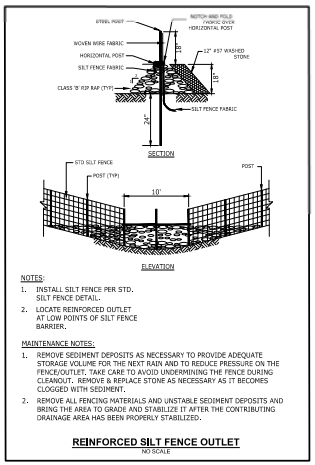


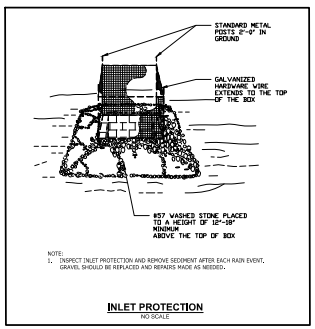
COSTRUCTION ENTRANCE
NO SCALE



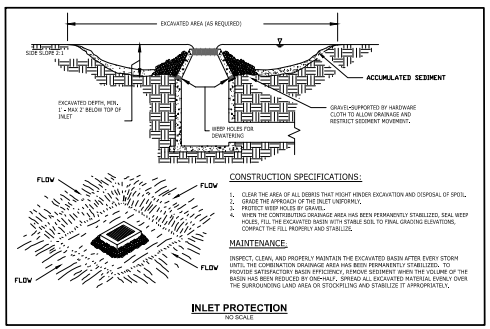
TEMPORARY DIVERSION
NO SCALE



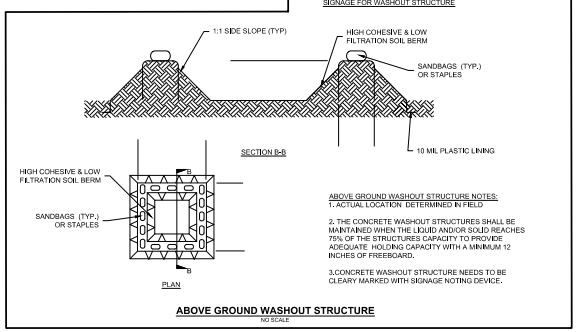
REINFORCED SILT FENCE OUTLET
NO SCALE

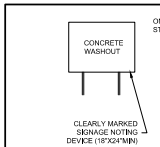


INLET PROTECTION
NO SCALE

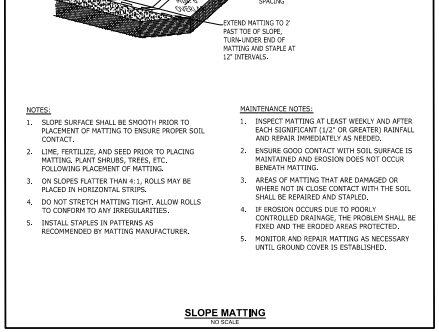


INLET PROTECTION
NO SCALE





ABOVE GROUND WASHOUT STRUCTURE
NO SCALE



SLOPE MATTING
NO SCALE

MOSELEYARCHITECTS
1414 KEY HIGHWAY, BALTIMORE, MD 21230
PHONE (410) 539-4300 FAX (410) 539-0660
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045892 12/08/21 WILLIAM E. MOSELEY
NOT FOR CONSTRUCTION

TIMMONS GROUP

TRINITY COURT

TRINITY COURT REDEVELOPMENT, LLC
751 TRINITY CT, CHAPEL HILL, NC 27516

PROJECT NO.	DATE: DECEMBER 8, 2021
REVISIONS	
DATE	DESCRIPTION
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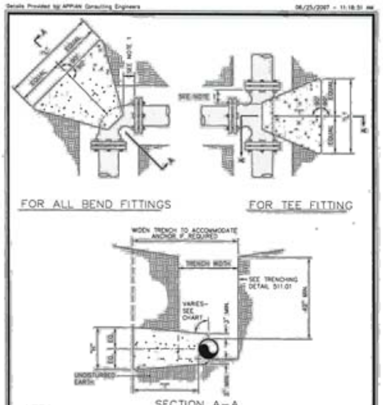
NOTES AND DETAILS

C5.1

Details Provided by APPIAN Consulting Engineers



NOTES:
1. Concrete blocking is to be formed to ensure accessibility to fittings and poured against undisturbed earth.
2. Fittings are to be completely wrapped with plastic, prior to pouring concrete.
3. Concrete to be minimum 3,000 psi. @ 28 days.

OWASA — ORANGE WATER AND SEWER AUTHORITY

BLOCKING DETAIL for HORIZONTAL BENDS AND TEE

Details Provided by APPIAN Consulting Engineers — WWW.APPIANENGINEERS.COM

TEST PRESSURE = 150 P.S.I.

PIPE SIZE	TYPE FITTING	DIMENSIONS (Ft.) "L"	"W"	"T"	VOLUME CONCRETE CU. YD.
<4 INCHES	11 1/4"	----	----	----	----
	22 1/2"	1.00	1.00	1.50	0.06
	45°	1.00	1.00	1.50	0.06
	90°	1.00	1.00	2.50	0.09
	TEE / PLUG	1.00	1.00	2.00	0.07
4 INCHES	11 1/4"	1.00	1.00	2.50	0.09
	22 1/2"	1.00	1.00	2.50	0.09
	45°	1.00	1.00	2.50	0.09
	90°	1.50	1.50	2.50	0.15
	TEE / PLUG	1.50	1.50	2.00	0.12
6 INCHES	11 1/4"	1.50	1.50	2.50	0.15
	22 1/2"	1.50	1.50	2.50	0.15
	45°	1.50	1.50	2.50	0.15
	90°	2.00	2.00	3.00	0.28
	TEE / PLUG	2.00	2.00	2.50	0.23
8 INCHES	11 1/4"	2.00	2.00	2.50	0.23
	22 1/2"	2.00	2.00	2.50	0.23
	45°	2.00	2.00	2.75	0.25
	90°	3.00	2.00	3.00	0.39
	TEE / PLUG	3.00	2.00	2.50	0.32
12 INCHES	11 1/4"	2.00	2.00	3.00	0.28
	22 1/2"	2.00	2.00	3.00	0.28
	45°	3.00	2.50	3.00	0.47
	90°	4.50	3.00	3.50	0.94
	TEE / PLUG	4.50	3.00	3.00	0.81
16 INCHES	11 1/4"	2.00	2.00	3.00	0.28
	22 1/2"	3.00	2.00	3.00	0.39
	45°	4.00	3.00	3.50	0.84
	90°	6.50	3.50	3.50	1.54
	TEE / PLUG	6.50	3.50	3.00	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/circumstance by a NC licensed Professional Engineer.
2. Blocking sizes shown in these tables assume the following:
   a. Blocking is constructed in residual soils as shown in detail
   b. Soil bearing pressure = 2000 psf
   c. Velocity of flow = 15 fps
3. This detail not applicable to reducing bends.
4. Neither the weight of the concrete blocking nor friction between concrete blocking and soil was added into blocking sizes computation. Therefore, blocking size is conservative.

OWASA — ORANGE WATER AND SEWER AUTHORITY

BLOCKING DETAIL for HORIZONTAL BENDS AND TEE

Details Provided by APPIAN Consulting Engineers — WWW.APPIANENGINEERS.COM

TEST PRESSURE = 200 P.S.I.

PIPE SIZE	TYPE FITTING	DIMENSIONS (Ft.) "L"	"W"	"T"	VOLUME CONCRETE CU. YD.
<4 INCHES	11 1/4"	1.00	1.00	1.00	0.04
	22 1/2"	1.00	1.00	1.50	0.06
	45°	1.00	1.00	1.50	0.06
	90°	1.50	1.50	2.50	0.15
	TEE / PLUG	1.50	1.50	2.00	0.12
4 INCHES	11 1/4"	1.00	1.00	2.50	0.09
	22 1/2"	1.00	1.00	2.50	0.09
	45°	1.50	1.50	2.50	0.15
	90°	1.50	1.50	2.50	0.15
	TEE / PLUG	1.50	1.50	2.00	0.12
6 INCHES	11 1/4"	1.50	1.50	2.50	0.15
	22 1/2"	1.50	1.50	2.50	0.15
	45°	1.50	1.50	2.50	0.15
	90°	2.50	2.00	3.00	0.33
	TEE / PLUG	2.50	2.00	2.50	0.28
8 INCHES	11 1/4"	2.00	2.00	2.50	0.23
	22 1/2"	2.00	2.00	2.50	0.23
	45°	2.00	2.00	2.50	0.23
	90°	4.00	2.00	3.00	0.50
	TEE / PLUG	4.00	2.00	2.50	0.42
12 INCHES	11 1/4"	2.00	2.00	3.00	0.28
	22 1/2"	3.00	2.00	3.00	0.39
	45°	4.00	2.50	3.00	0.61
	90°	5.50	3.00	3.50	1.13
	TEE / PLUG	5.50	3.00	3.00	0.97
16 INCHES	11 1/4"	2.00	2.00	3.00	0.28
	22 1/2"	4.00	2.00	3.00	0.50
	45°	5.50	3.00	3.50	1.13
	90°	7.50	4.00	3.50	2.01
	TEE / PLUG	7.50	4.00	3.00	1.72

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/circumstance by a NC licensed Professional Engineer.
2. Blocking sizes shown in these tables assume the following:
   a. Blocking is constructed in residual soils as shown in detail
   b. Soil bearing pressure = 2000 psf
   c. Velocity of flow = 15 fps
3. This detail not applicable to reducing bends.
4. Neither the weight of the concrete blocking nor friction between concrete blocking and soil was added into blocking sizes computation. Therefore, blocking size is conservative.

OWASA — ORANGE WATER AND SEWER AUTHORITY

BLOCKING DETAIL for HORIZONTAL BENDS AND TEE

Details Provided by APPIAN Consulting Engineers — WWW.APPIANENGINEERS.COM

TEST PRESSURE = 250 P.S.I.

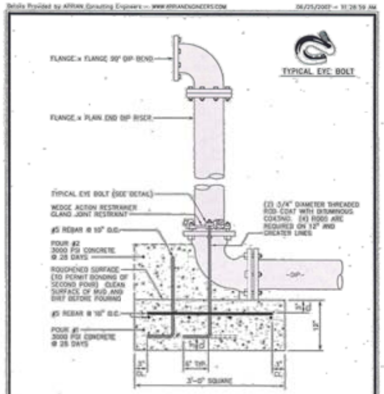
PIPE SIZE	TYPE FITTING	DIMENSIONS (Ft.) "L"	"W"	"T"	VOLUME CONCRETE CU. YD.
<4 INCHES	11 1/4"	1.00	1.00	1.00	0.04
	22 1/2"	1.00	1.00	1.50	0.06
	45°	1.00	1.00	1.50	0.06
	90°	1.50	1.50	2.50	0.15
	TEE / PLUG	1.50	1.50	2.00	0.12
4 INCHES	11 1/4"	1.00	1.00	2.50	0.09
	22 1/2"	1.00	1.00	2.50	0.09
	45°	1.50	1.50	2.50	0.15
	90°	2.00	2.00	2.50	0.23
	TEE / PLUG	2.00	2.00	2.00	0.19
6 INCHES	11 1/4"	1.50	1.50	2.50	0.15
	22 1/2"	1.50	1.50	2.50	0.15
	45°	2.00	1.50	2.50	0.19
	90°	3.00	2.00	3.00	0.39
	TEE / PLUG	3.00	2.00	2.50	0.32
8 INCHES	11 1/4"	2.00	2.00	2.50	0.23
	22 1/2"	2.00	2.00	2.50	0.23
	45°	2.50	2.00	2.50	0.28
	90°	4.00	2.50	3.00	0.61
	TEE / PLUG	4.00	2.50	2.50	0.51
12 INCHES	11 1/4"	2.00	2.00	3.00	0.28
	22 1/2"	3.50	2.00	3.00	0.44
	45°	4.50	2.75	3.00	0.74
	90°	6.00	3.50	3.50	1.43
	TEE / PLUG	6.00	3.50	3.00	1.22
16 INCHES	11 1/4"	2.50	2.00	3.00	0.33
	22 1/2"	4.00	2.50	3.00	0.61
	45°	6.00	3.50	3.50	1.43
	90°	8.00	4.50	4.00	2.74
	TEE / PLUG	8.00	4.50	3.50	2.40

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/circumstance by a NC licensed Professional Engineer.
2. Blocking sizes shown in these tables assume the following:
   a. Blocking is constructed in residual soils as shown in detail
   b. Soil bearing pressure = 2000 psf
   c. Velocity of flow = 15 fps
3. This detail not applicable to reducing bends.
4. Neither the weight of the concrete blocking nor friction between concrete blocking and soil was added into blocking sizes computation. Therefore, blocking size is conservative.

OWASA — ORANGE WATER AND SEWER AUTHORITY

BLOCKING DETAIL for HORIZONTAL BENDS AND TEE

Details Provided by APPIAN Consulting Engineers — WWW.APPIANENGINEERS.COM

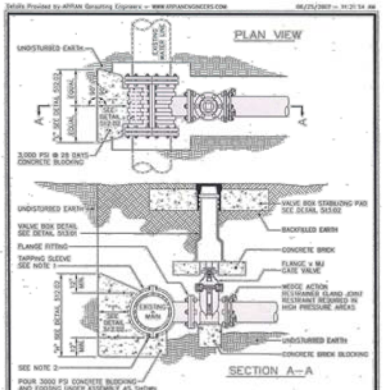


NOTES:
1. Excavate under elbow for footing, place steel & rods in footing & pour (pour #1)
2. Once concrete has set in footing pour horizontal blocking (pour #2)
3. Footing adequate for water mains up to 8". North Carolina licensed Professional Engineer to design footings for lines greater than 8" diameter.

OWASA — ORANGE WATER AND SEWER AUTHORITY

THRUST FOOTING DETAIL

Details Provided by APPIAN Consulting Engineers — WWW.APPIANENGINEERS.COM

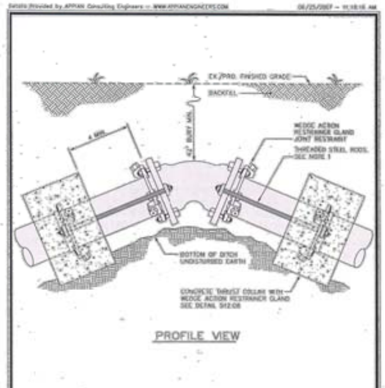


NOTES:
1. Concrete blocking is to be formed to ensure accesibility to fittings and poured against undisturbed earth.
2. Fittings are to be completely wrapped with plastic, prior to pouring concrete.
3. Concrete to be minimum 3,000 psi. @ 28 days.
4. Taps onto in-service mains by OWASA personnel only.

OWASA — ORANGE WATER AND SEWER AUTHORITY

4" to 12" STANDARD TAPPING SLEEVE and VALVE ASSEMBLY

Details Provided by APPIAN Consulting Engineers — WWW.APPIANENGINEERS.COM

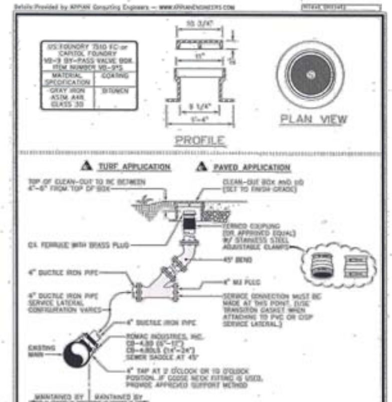


NOTES:
1. If 42" bury depth is not maintained or located in high pressure zone, a minimum of (2) 3/4" dia. rods to be used for pipe thru 24" dia. per joint – a minimum of (2) 1" dia. rods to be used for pipe 30" & 36" dia. per joint – a minimum of (2) 1 1/4" dia. rods to be used for pipe 42" & 48" dia. per joint. (See detail 512.09)

OWASA — ORANGE WATER AND SEWER AUTHORITY

STANDARD VERTICAL BEND DETAIL

Details Provided by APPIAN Consulting Engineers — WWW.APPIANENGINEERS.COM



NOTES:
1. This detail depicts a typical layout. Variations may be approved.
2. Service saddles may be used only on existing sewer mains. Tees / Wyes shall be used for new construction.

OWASA — ORANGE WATER AND SEWER AUTHORITY

4" SEWER TAP and STUB-OUT PAVED APPLICATION CLEAN OUT

MOSELEYARCHITECTS
1414 KEY HIGHWAY, BALTIMORE, MD 21230
PHONE (410) 539-4300 FAX (410) 539-0660
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045092
NOT FOR CONSTRUCTION

TIMMONS GROUP

TRINITY COURT

TRINITY COURT REDEVELOPMENT, LLC
751 TRINITY CT, CHAPEL HILL, NC 27516

PROJECT NO. | DATE: DECEMBER 8, 2021

REVISIONS

DATE	DESCRIPTION
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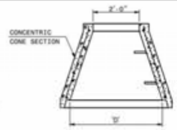
NOTES AND DETAILS

C5.2



ALTERNATE CONE SECTION

GENERAL NOTES

USE 4000 PSI MINIMUM COMPRESSIVE STRENGTH CONCRETE.

USE ASTM A615 GRADE 60 REINFORCING STEEL. USE ASTM A1064 WELDED WIRE FABRIC (WWF).

FABRICATE, ASSEMBLE AND DESIGN PRECAST MANHOLE COMPONENTS ACCORDANCE WITH AASHTO M199.

ASSEMBLE RISER AND GRADE RINGS WITH THE STEPS SPACED 12" FROM THE TOP TO THE BOTTOM OF THE MANHOLE.

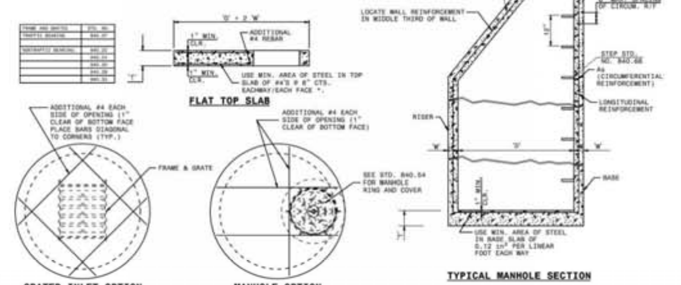
WHERE THE MANHOLE IS EXPOSED TO ROAD TRAFFIC, CONSTRUCT THE TOP OF THE MANHOLE FLUSH WITH THE GROUND AND A MINIMUM OF 8" ABOVE THE GROUND AT OTHER LOCATIONS.

LIMIT DEPTH OF FILL TO 30'-0" FROM FINISH GRADE TO TOP OF BOTTOM SLAB.

THE MIN. SLAB THICKNESS 'T' IS THE DIMENSION OF THE THINNEST PORTION OF THE TOP/BOTTOM SLAB.

* TOP MAT OF REINFORCEMENT MAY BE NEGLECTED IF TOP SLAB HAS A DISTINGUISHABLE TOP AND BOTTOM.

D	W	T	As
INTERNAL DIAMETER (FT.)	MIN. WALL THICKNESS (IN.)	MIN. TOP/BOTTOM SLAB THICKNESS (IN.)	MIN. CIRCUMFERENTIAL AREA OF STEEL PER VERTICAL FT. (SQ. IN.)
4	4	6	0.12
5	5	8	0.15
6	6	8	0.18



FLAT TOP SLAB

GRATED INLET OPTION

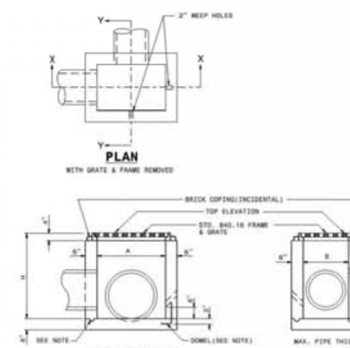
MANHOLE OPTION

TYPICAL MANHOLE SECTION

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
PRECAST MANHOLE 4',5' AND 6' DIAMETER
12" THRU 48" PIPE

SHEET 1 OF 1
840.52



PLAN
WITH GRATE & FRAME REMOVED

SECTION X-X

SECTION Y-Y

GENERAL NOTES:

USE CLASS "B" CONCRETE THROUGHOUT.

PROVIDE ALL DROP INLETS OVER 3'-6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840.66.

OPTIONAL CONSTRUCTION - MONOLITHIC POUR 2" KEYWAY OR #4 BAR DOWELS AT 12" CENTERS AS DIRECTED BY THE ENGINEER.

USE FORMS FOR THE CONSTRUCTION OF THE BOTTOM SLAB.

IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX, ADD TO SLAB AS SHOWN ON STD. NO. 840.00.

CONSTRUCT WITH PIPE CROWNS MATCHING.

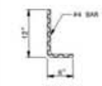
SEE STANDARD DRAWING 840.25 FOR ATTACHMENT OF FRAMES AND GRATES NOT SHOWN.

INSTALL 2" WEEPHOLES AS DIRECTED BY THE ENGINEER.

INSTALL STONE DRAINS, OF A MINIMUM OF 1 CUBIC FOOT OF NO. 78M STONE IN A POROUS FABRIC BAG OR WRAP, AT EACH WEEP HOLE OR AS DIRECTED BY THE ENGINEER.

CHAMFER ALL EXPOSED CORNERS 1".

DRAWING NOT TO SCALE.



DOWEL

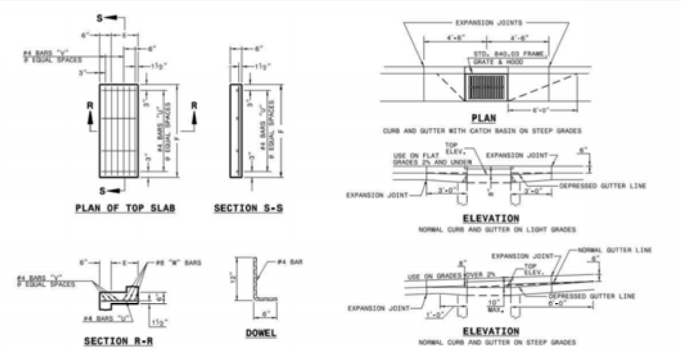
DIMENSIONS AND QUANTITIES FOR DROP INLET(BASED ON MIN. HEIGHT, H)

DIMENSIONS OF BOX & PIPE				CUBIC YARDS CONC. IN BOX			DEDUCTIONS FOR ONE PIPE	
PIPE	SPAN	WIDTH	MIN. HEIGHT					
D	A	B	H	BOTTOM SLAB	WALL PER FT. HT.	TOTAL CONCRETE FOR MINIMUM HEIGHT, H	C.M.	R.C.
12"	3'-0"	2'-0"	2'-0"	0.222	0.222	0.592	0.015	0.026
15"	↗	↗	2'-3"	↗	↗	0.648	0.023	0.036
18"			2'-6"			0.703	0.033	0.049
24"	↙	↙	3'-0"	↙	↙	0.814	0.059	0.085
30"	3'-0"	2'-0"	3'-6"	0.222	0.222	0.925	0.092	0.127

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
CONCRETE DROP INLET
12" THRU 30" PIPE

SHEET 1 OF 1
840.14



PLAN OF TOP SLAB

SECTION S-S

SECTION R-R

DOWEL

PLAN
CURB AND GUTTER WITH CATCH BASIN ON STEEP GRADES

ELEVATION
NORMAL CURB AND GUTTER ON LIGHT GRADES

ELEVATION
NORMAL CURB AND GUTTER ON STEEP GRADES

MINIMUM DIMENSIONS AND QUANTITIES FOR CONCRETE CATCH BASIN(BASED ON MIN. HEIGHT, H, WITH NO RISER) *

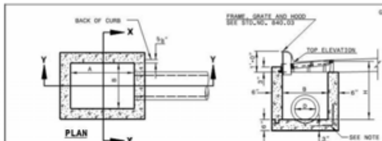
DIMENSIONS OF BOX AND PIPE						COVER DIMENSION									CU. YDS. CONC. IN BOX			DEDUCTIONS ONE PIPE	
PIPE	SPAN	WIDTH	WIDTH	SPAN	MIN. HEIGHT			BARS-U		BARS-V		BARS-W		TOTAL LBS.	TOP SLAB	BOTTOM SLAB	TOT. CONC. FOR MINIMUM HEIGHT, H		
D	A	B	C	G	H	E	F	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH					C.M.	R.C.
12"	3'-0"	2'-2"	--	--	2'-9"	--	--	--	--	--	--	--	--	--	--	0.235	0.772	0.015	0.026
15"	3'-0"	2'-2"			3'-0"											0.235	0.829	0.023	0.036
18"	3'-0"	2'-2"			3'-3"											0.235	0.887	0.033	0.049
24"	3'-0"	2'-2"			3'-9"											0.235	1.001	0.059	0.085
30"	3'-0"	2'-2"	3'-4"		4'-3"	1'-2"	4'-0"	4	1'-5"	2	3'-9"	3	3'-9"	39	0.123	0.321	1.433	0.092	0.127
36"	3'-0"	2'-2"	3'-10"		4'-9"	1'-8"	4'-0"	4	1'-11"	3	3'-9"	3	3'-9"	43	0.161	0.358	1.714	0.132	0.178
42"	3'-0"	2'-2"		4'-5"	5'-3"	1'-5"	3'-2"	4	1'-8"	2	2'-11"	3	2'-11"	32	0.112	0.318	1.738	0.180	0.243
48"	3'-0"	2'-2"		5'-0"	5'-9"	2'-0"	3'-2"	4	2'-3"	3	2'-11"	3	2'-11"	35	0.145	0.352	2.052	0.235	0.317
54"	3'-0"	2'-2"		5'-7"	6'-3"	2'-7"	3'-2"	4	2'-10"	5	2'-11"	3	2'-11"	41	0.180	0.386	2.387	0.297	0.401

* RISER HAS .228 CUBIC YARDS OF CONCRETE PER FOOT HEIGHT

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
CONCRETE CATCH BASIN
12" THRU 54" PIPE

SHEET 2 OF 2
840.02



PLAN

SECTION X-X

GENERAL NOTES:

USE CLASS "B" CONCRETE THROUGHOUT.

PROVIDE ALL CATCH BASINS OVER 3'-6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840.66.

OPTIONAL CONSTRUCTION - MONOLITHIC POUR, 2" KEYWAY, OR #4 BAR DOWELS AT 12" CENTERS AS DIRECTED BY THE ENGINEER.

USE FORMS FOR THE CONSTRUCTION OF THE BOTTOM SLAB.

IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX, ADD TO SLAB AS SHOWN ON STD. NO. 840.00.

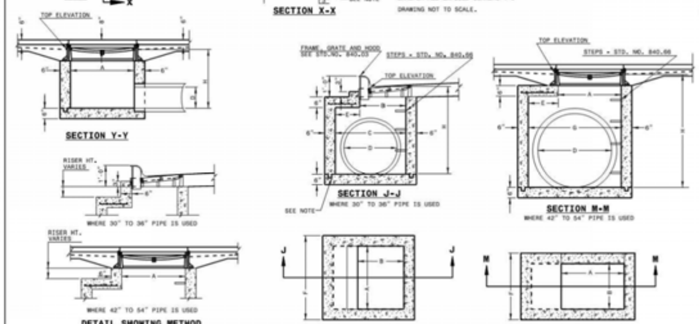
USE TYPE "E", "F" AND "G" GRATES UNLESS OTHERWISE INDICATED.

FOR 8'-0" IN HEIGHT OR LESS USE 6" WALLS AND BOTTOM SLAB. OVER 8'-0" TO 16'-0" IN HEIGHT USE 8" WALLS AND BOTTOM SLAB. ADJUST QUANTITIES ACCORDINGLY.

CONSTRUCT WITH PIPE CROWNS MATCHING.

CHAMFER ALL EXPOSED CORNERS 1".

DRAWING NOT TO SCALE.



SECTION Y-Y

WHERE 30" TO 36" PIPE IS USED

SECTION J-J
WHERE 30" TO 36" PIPE IS USED

SECTION M-M
WHERE 42" TO 54" PIPE IS USED

WHERE 42" TO 54" PIPE IS USED

DETAIL SHOWING METHOD OF RISER CONSTRUCTION

PLAN

PLAN

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
CONCRETE CATCH BASIN
12" THRU 54" PIPE

SHEET 1 OF 2
840.02

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NOT FOR CONSTRUCTION

TIMMONS GROUP

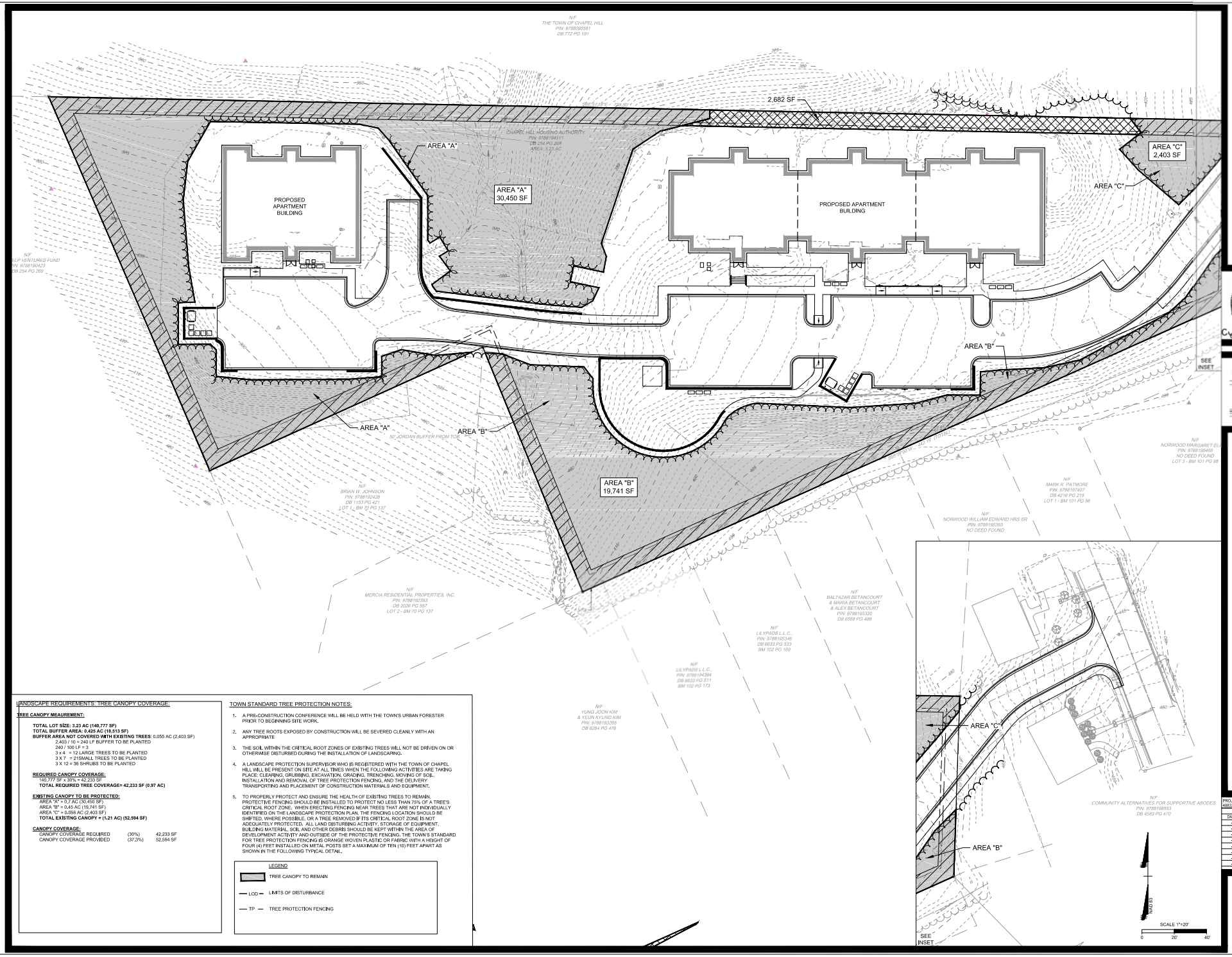
TRINITY COURT

TRINITY COURT REDEVELOPMENT, LLC
751 TRINITY CT, CHAPEL HILL, NC 27516

PROJECT NO.	DATE: DECEMBER 6, 2021
REVISIONS	
DATE	DESCRIPTION

NOTES AND DETAILS

C5.3



LANDSCAPE REQUIREMENTS: TREE CANOPY COVERAGE:

TREE CANOPY MEAUREMENT:

TOTAL LOT SIZE: 3.23 AC (140,777 SF)
TOTAL BUFFER AREA: 0.425 AC (18,513 SF)
BUFFER AREA NOT COVERED WITH EXISTING TREES: 0.055 AC (2,403 SF)
2,403 / 10 = 240 LF BUFFER TO BE PLANTED
240 / 100 LF = 3
3 x 4 = 12 LARGE TREES TO BE PLANTED
3 X 7 = 21SMALL TREES TO BE PLANTED
3 X 12 = 36 SHRUBS TO BE PLANTED

REQUIRED CANOPY COVERAGE:
140,777 SF x 30% = 42,233 SF
TOTAL REQUIRED TREE COVERAGE= 42,233 SF (0.97 AC)

EXISTING CANOPY TO BE PROTECTED:
AREA "A" = 0.7 AC (30,450 SF)
AREA "B" = 0.45 AC (19,741 SF)
AREA "C" = 0.056 AC (2,403 SF)
TOTAL EXISTING CANOPY = (1.21 AC) (52,594 SF)

CANOPY COVERAGE:

CANOPY COVERAGE REQUIRED	(30%)	42,233 SF
CANOPY COVERAGE PROVIDED	(37.3%)	52,594 SF

TOWN STANDARD TREE PROTECTION NOTES:

1. A PRE-CONSTRUCTION CONFERENCE WILL BE HELD WITH THE TOWN'S URBAN FORESTER PRIOR TO BEGINNING SITE WORK.
2. ANY TREE ROOTS EXPOSED BY CONSTRUCTION WILL BE SEVERED CLEANLY WITH AN APPROPRIATE
3. THE SOIL WITHIN THE CRITICAL ROOT ZONES OF EXISTING TREES WILL NOT BE DRIVEN ON OR OTHERWISE DISTURBED DURING THE INSTALLATION OF LANDSCAPING.
4. A LANDSCAPE PROTECTION SUPERVISOR WHO IS REGISTERED WITH THE TOWN OF CHAPEL HILL WILL BE PRESENT ON SITE AT ALL TIMES WHEN THE FOLLOWING ACTIVITIES ARE TAKING PLACE: CLEARING, GRUBBING, EXCAVATION, GRADING, TRENCHING, MOVING OF SOIL, INSTALLATION AND REMOVAL OF TREE PROTECTION FENCING, AND THE DELIVERY TRANSPORTING AND PLACEMENT OF CONSTRUCTION MATERIALS AND EQUIPMENT.
5. TO PROPERLY PROTECT AND ENSURE THE HEALTH OF EXISTING TREES TO REMAIN, PROTECTIVE FENCING SHOULD BE INSTALLED TO PROTECT NO LESS THAN 75% OF A TREE'S CRITICAL ROOT ZONE. WHEN ERECTING FENCING NEAR TREES THAT ARE NOT INDIVIDUALLY IDENTIFIED ON THE LANDSCAPE PROTECTION PLAN. THE FENCING LOCATION SHOULD BE SHIFTED, WHERE POSSIBLE, OR A TREE REMOVED IF ITS CRITICAL ROOT ZONE IS NOT ADEQUATELY PROTECTED. ALL LAND DISTURBING ACTIVITY, STORAGE OF EQUIPMENT, BUILDING MATERIAL, SOIL AND OTHER DEBRIS SHOULD BE KEPT WITHIN THE AREA OF DEVELOPMENT ACTIVITY AND OUTSIDE OF THE PROTECTIVE FENCING. THE TOWN'S STANDARD FOR TREE PROTECTION FENCING IS ORANGE WOVEN PLASTIC OR FABRIC WITH A HEIGHT OF FOUR (4) FEET INSTALLED ON METAL POSTS SET A MAXIMUM OF TEN (10) FEET APART AS SHOWN IN THE FOLLOWING TYPICAL DETAIL.

LEGEND

- TREE CANOPY TO REMAIN
- LOD — LIMITS OF DISTURBANCE
- TP — TREE PROTECTION FENCING

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TRINITY COURT

TRINITY COURT REDEVELOPMENT, LLC
751 TRINITY CT, CHAPEL HILL, NC 27516

PROJECT NO.	DATE:
49833	DECEMBER 8, 2021

REVISIONS

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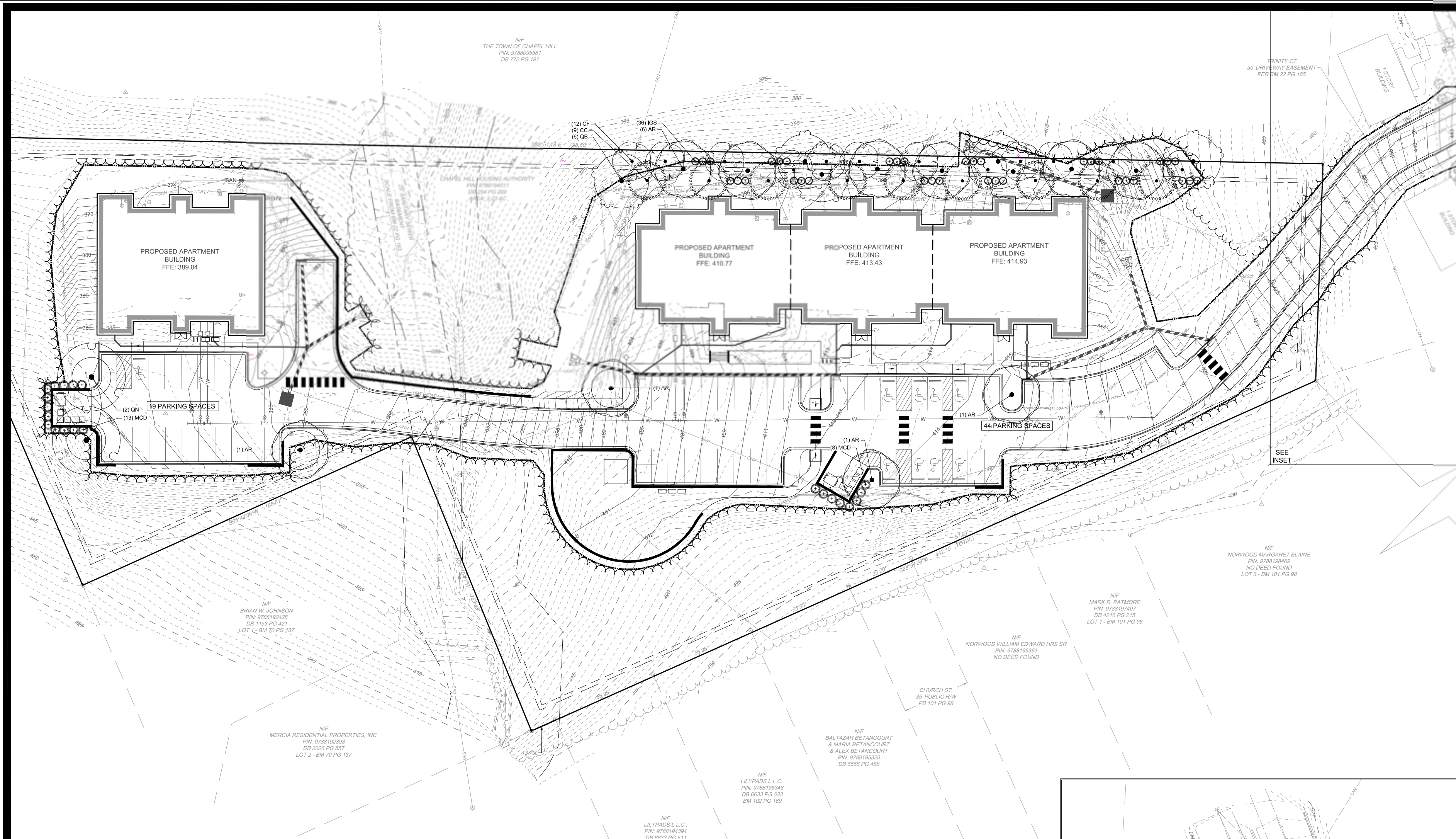
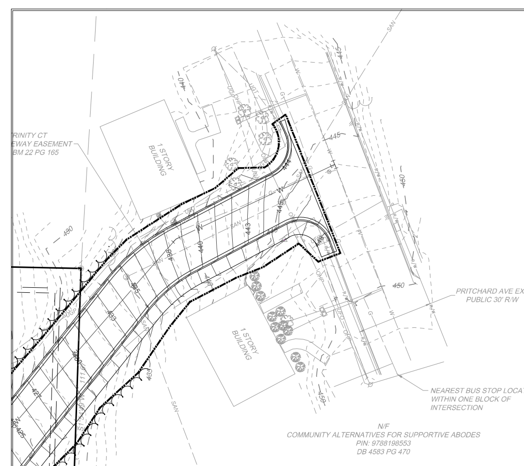
TREE PROTECTION PLAN

L1.0





PLANTING CALCULATIONS:
(DESIGN MANUAL SEC. 3)

PARKING LOTS

SHADING REQUIREMENTS :
- (1) LARGE TREE PER 2,000 SF OF PAVING
- TREES TO BE PLANTED WITHIN 10' OF PARKING LOT EDGE
- NO PARKING SPACE FURTHER THAN 50' FROM LARGE TREE TRUNK OR FARTHER THAN 75' FROM 2 LARGE TREES

LARGE TREE PLACEMENT-
- 3.5' FROM BACK OF CURB, EDGE STREET PAVEMENT, DRIVEWAYS, SIDEWALKS
- 10' FROM BUILDINGS
- 15' FROM STREET LIGHTS, UTILITY POLES
- 10' FROM UTILITY VAULTS

SMALL TREE PLACEMENT
- 3.5' FROM BACK OF CURB, EDGE STREET PAVEMENT, DRIVEWAYS, SIDEWALKS
- 2.5' FROM SIDEWALKS AND PAVED PEDESTRIAN SURFACES
- 5' FROM BUILDINGS
- 10' FROM STREET LIGHTS, UTILITY POLES
- 5' FROM UTILITY VAULTS AND UNDERGROUND UTILITIES

TOTAL PAVEMENT AREA (INCLUDES LOT AND DRIVE) = 26,318 SF
PARKING LOT PAVEMENT AREA = 10,045
10,045 SF / 2,000 SF = 6 TREES

REQUIRED = 6 LARGE TREES
PROVIDED = 6 LARGE TREES

*EXISTING TREES TO COUNT TOWARDS LANDSCAPE REQUIREMENTS AS FEASIBLE AT THE DIRECTION OF THE PLANNING DIRECTOR.

SCREENING REQUIREMENTS:
- EVERGREEN SCREENING MIN. HT. OR 2' AT PLANTING FOR 3' TALL SCREENING, 3' FOR 6' TALL SCREENING
- SCREEN UTILITY SERVICE FROM PUBLIC RIGHT-OF-WAY

BUFFER CALCULATIONS:

BUFFER TYPE "B"
TOTAL BUFFER AREA: 0.425 AC (18,513 SF)
PLANTABLE BUFFER AREA NOT COVERED WITH EXISTING TREES:
0.055 AC (2,403 SF, 240 LF)

REQUIREMENTS PER 100 LF INTERNAL,10' WIDE):
(4) LARGE TREES,
(7) SMALL TREES,
(12) SHRUBS

2,403 / 10 = 240 LF BUFFER TO BE PLANTED
240 / 100 LF = 3
3 x 4 = 12 LARGE TREES REQUIRED,
= 12 LARGE TREES PROVIDED

3 x 7 = 21 SMALL TREES REQUIRED
= 21 SMALL TREES PROVIDED

3 x12 = 36 SHRUBS REQUIRED
= 36 SHRUBS PROVIDED

NAD 83

SCALE 1"=20'
0 20' 40'

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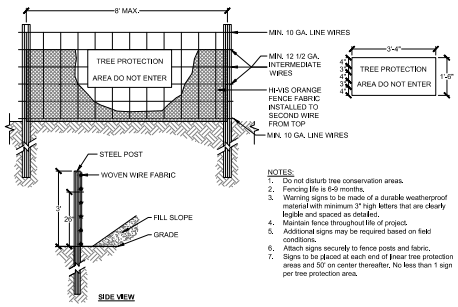
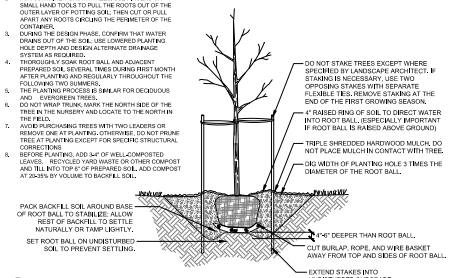
TREE PROTECTION PLAN

L1.1



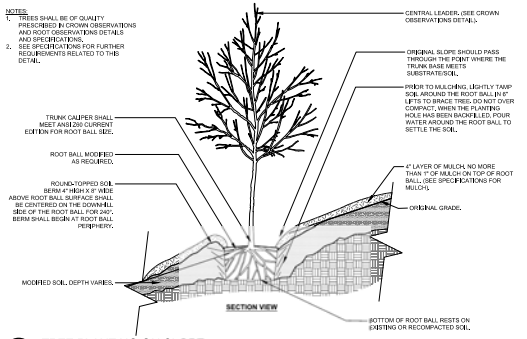
NOTES:
1. Do not disturb tree conservation areas.
2. Fencing life is 6-9 months.
3. Warning signs to be made of a durable weatherproof material with minimum 3" high letters that are clearly legible and spaced as detailed.
4. Maintain fence throughout life of project.
5. Additional signs may be required based on field conditions.
6. Attach signs securely to fence posts and fabric.
7. Signs to be placed at each end of linear tree protection areas and 50' on center thereafter. No less than 1 sign per tree protection area.

1 TREE PROTECTION FENCE
NTS



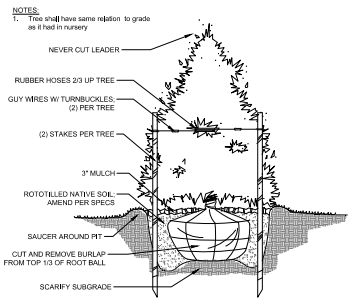
NOTES:
1. WHERE SEVERAL TREES WILL BE PLANTED CLOSE TOGETHER SUCH THAT THEY WILL LIKELY SHARE ROOT SPACE, TILL IN SOIL AMENDMENTS TO A DEPTH OF 4-6" (1/4-TRON) OVER THE ENTIRE AREA.
2. FOR CONTAINER-GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL. THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
3. DURING THE DESIGN PHASE, CONFIRM THAT WATER DRAINS OUT OF THE SOIL. USE LOWERED PLANTING HOLE DEPTH AND DESIGN ALTERNATE DRAINAGE SYSTEM AS REQUIRED.
4. THOROUGHLY SOAK ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
5. THE PLANTING PROCESS IS SIMILAR FOR DECIDUOUS AND EVERGREEN TREES.
6. DO NOT WRAP TRUNK. MARK THE NORTH SIDE OF THE TREE IN THE NURSERY AND LOCATE TO THE NORTH IN THE FIELD.
7. AVOID PURCHASING TREES WITH TWO LEADERS OR REMOVE ONE AT PLANTING. OTHERWISE, DO NOT PRUNE TREE AT PLANTING EXCEPT FOR SPECIFIC STRUCTURAL CORRECTIONS
8. BEFORE PLANTING, ADD 3-4" OF WELL-COMPOSTED LEAVES, RECYCLED YARD WASTE OR OTHER COMPOST AND TILL INTO TOP 6" OF PREPARED SOIL. ADD COMPOST AT 20-35% BY VOLUME TO BACKFILL SOIL.

2 TREE PLANTING
NTS



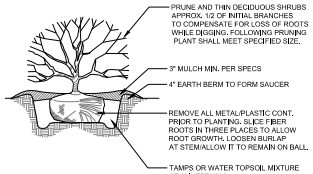
NOTES:
1. TREES SHALL BE OF QUALITY PRESCRIBED IN CROWN OBSERVATIONS AND ROOT OBSERVATIONS DETAILS AND SPECIFICATIONS.
2. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.

3 TREE PLANTING ON SLOPE
1/2" = 1'-0"



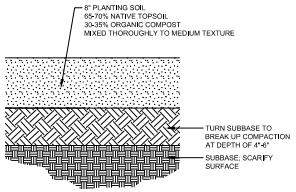
NOTES:
1. Tree shall have same relation to grade as it had in nursery

4 EVERGREEN PLANTING
NTS



NOTES:
1. Soil mix: 1/3 organic matter, 2/3 exist soil.
2. Width of plant pit: sandy soil, 24" wider than plant ball, clay soil, 12" wider than plant ball
3. For planting areas where soil has been over-packed by equip. contact LA prior to planting.
4. For camellias, rhodos, azaleas, and laurels: soil mix, 2/3 organic and 1/3 existing soil
5. Shrub shall bear same relationship to grade as it did prior to digging.

5 SHRUB PLANTING
NTS

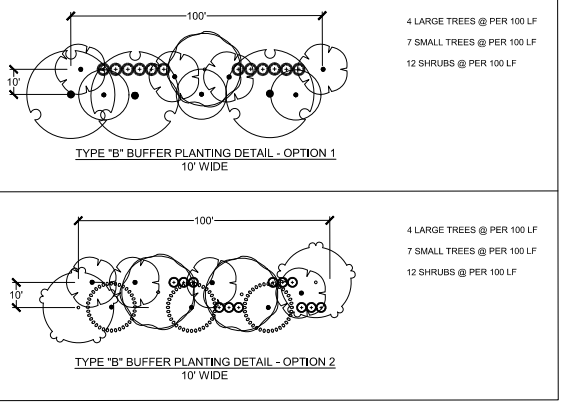


NOTES:
1. All material to be free of toxic substances, weed seed, stones, sticks or other material harmful to plant growth. Topsoil: ph range of 6.0 to 7.0, min. 6% organic matter.
2. Compost: well-composted, stable, weed-free organic matter, ph range of 5.5 to 8.
3. Submit soil sample for analysis ... provide amendments per recommendations.
4. Remove any debris, rocks, or clumps 2" or larger.
5. Do not spread if planting soil, topsoil or subgrade is frozen, muddy, or excessively wet.

6 PLANTING SOIL PROFILE
NTS

GENERAL PLANTING NOTES:

1. ALL PLANT MATERIALS TO COMPLY WITH AMERICAN STANDARD FOR NURSERY STOCK ANSLZ60. ALL TREES MUST BE INSPECTED BY URBAN FORESTRY STAFF PRIOR TO INSTALLATION.
2. PLANT LOCATIONS TO BE APPROVED IN FIELD PRIOR TO INSTALLATION. NO TREES MAY BE INSTALLED BETWEEN APRIL 30TH AND OCTOBER 1ST.
3. CONTRACTOR ENGAGED IN LANDSCAPE IMPLEMENTATION SHALL BE A LANDSCAPE CONTRACTOR REGISTERED IN THE STATE OF NORTH CAROLINA.
4. SUBSTITUTIONS OF PLANT MATERIALS SPECIFIED CAN ONLY OCCUR WITH PRIOR APPROVAL BY LANDSCAPE ARCHITECT.
5. ESTABLISH PLANT BED CONFIGURATIONS. LANDSCAPE ARCHITECT TO APPROVE BED LAYOUT IN FIELD.
6. PREPARE PLANT BEDS PER SPECIFICATIONS.
7. INSTALL PLANTS AND MULCH BEDS WITH 4" OF SHREDDED HARDWOOD MULCH.
8. ESTABLISH MULCH BEDS AROUND EXISTING TREES TO REMAIN.
9. LAWN AREAS TO BE SEEDED AND STRAWED.
10. LANDSCAPE CONTRACTOR TO GUARANTEE PLANT MATERIALS FOR THE PERIOD FOLLOWING SUBSTANTIAL COMPLETION AS NOTED IN THE SPECIFICATIONS.
11. AREAS DAMAGED FROM PLANT RELOCATION OR OTHER ACTIVITIES OF LANDSCAPE CONTRACTOR TO BE RESEEDED AND ESTABLISHED AT NO ADDITIONAL COST TO THE OWNER.
12. USE HERBICIDES, PESTICIDES, AND FERTILIZER IN A MANNER CONSISTENT WITH THE FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT AND IN ACCORDANCE WITH LABEL RESTRICTIONS.
13. CONTRACTOR IS RESPONSIBLE FOR IMPORTING, TESTING, AND PREPARING THE SOIL ON SITE PER THE SPECIFICATION.
14. PLANTS SHALL BE WATERED AT LEAST 2 TIMES PER WEEK UNLESS SOIL IS MOIST BASED ON CORE SAMPLE OR MOISTURE METER READING. WATER MORE FREQUENTLY DURING ESTABLISHMENT. ONCE PLANS GO DORMANT, REDUCE WATERING AMOUNTS UNTIL THE ACTIVE GROWING SEASON RECOVENES AT THE BEGINNING OF APRIL OR WHEN PLANTS BEGIN TO LEAF OUT, WHICHEVER COMES FIRST. WHEN WATERING PLANTS: WATER AT THE BASE OF THE PLANT WITH LOW FLOW HOSE END NOZZLE. WATER FOR A MINIMUM OF 5-10 MINUTES PER PLANT FOR DEEP AND SLOW SOAKING INTO THE ROOT ZONE OF EACH PLANT. DURING DROUGHT PERIODS ALL WATER RESTRICTIONS APPLY. IT MAY BE NECESSARY TO TRUCK IN NON-CITY WATER TO MEET THE NEEDS OF THE PLANT MATERIAL. THIS SHALL APPLY TO ALL PLANTED AREAS INCLUDING THE NCDMOW AREAS.
15. REMOVE (EITHER MANUALLY OR WITH PESTICIDE TREATMENT) ALL WEEDS IN MULCH AREAS, PLANT BEDS, TREE RINGS, AND HARDSCAPE AREAS. INCLUDING BUT NOT LIMITED TO NUTSEDGE, GRASSES, INVASIVE PLANTS, AND ANY NON-DESIRABLE PLANT MATERIAL. THIS TREATMENT SHALL OCCUR MONTHLY UNTIL THE END OF THE WARRANTY / MAINTENANCE PERIOD.
16. MULCH SHALL BE REPLENISHED AS NEEDED, ESPECIALLY AFTER HEAVY RAIN EVENTS.
17. ALL DISTURBED AREAS NOT UNDER PAVEMENT OR IN PLANT BED TO BE SEEDED.



PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	MIN. INSTALLED SIZE	ROOT	TYPE
AR	10	ACER RUBRUM	RED MAPLE	2" CAL., 8' HT. MIN.	B&B OR CONTAINER	SINGLE STRAIGHT LEADER; UNIFORM CANOPY
CC	9	CERCIS CANADENSIS	EASTERN REDBUD	1.5" CAL., 6' HT. MIN.	B&B OR CONTAINER	SINGLE STEM
CF	12	CORNUS FLORIDA	FLOWERING DOGWOOD	1.5" CAL., 6' HT. MIN.	B&B OR CONTAINER	MULTI-STEM
QB	6	QUERCUS BICOLOR	SWAMP WHITE OAK	2" CAL., 8' HT. MIN.	B&B OR CONTAINER	SINGLE STRAIGHT LEADER
QN	2	QUERCUS NUTTALLII	NUTTALL OAK	2" CAL., 8' HT. MIN.	B&B OR CONTAINER	SINGLE STRAIGHT LEADER
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	MIN. INSTALLED SIZE	ROOT	REMARKS
IGS	36	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY HOLLY	24" HT./SPRD.	CONTAINER	FULL AND DENSE
MCD	21	MYRICA CERIFERA 'DON'S DWARF'	DON'S DWARF WAX MYRTLE	24" HT./SPRD.	CONTAINER	FULL AND DENSE

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NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT
12/6/2021
NOT FOR CONSTRUCTION

TIMMONS GROUP

TRINITY COURT

TRINITY COURT REDEVELOPMENT, LLC
751 TRINITY CT, CHAPEL HILL, NC 27516

PROJECT NO:	DATE:
4883.0	DECEMBER 8, 2021

REVISIONS

DATE	DESCRIPTION
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PLANTING DETAILS

L1.2