



VICINITY MAP 1"=500'

PROJECT NARRATIVE:

THIS PROJECT IS A 11,400 SF. FIRE DEPARTMENT BUILDING AND ASSOCIATED ACCESS, PARKING, AND UTILITIES. THE PROJECT IS LOCATED ON HWY-401, HARNETT COUNTY, NORTH CAROLINA. THE CURRENT PARCEL IS 4.67 ACRES.

THE MAJORITY OF THE PROPERTY IS AGRICULTURAL FIELD. THERE IS NO 100 YEAR FLOODPLAIN. NO JURISDICTIONAL STREAM OR BUFFER IS SHOWN ON CURRENT HARNETT COUNTY GIS WITHIN THE PROPERTY. THERE IS NO SIGN OF ANY WETLAND WITHIN THE PROPOSED LIMIT OF DISTURBANCE. THE PROPERTY LIES IN CAPE FEAR RIVER BASIN.

PROPOSED AREAS WILL BE DELINEATED WITH SILT FENCES. TOTAL PROPOSED % IMPERVIOUS WILL BE 20.4% WHICH IS UNDER 24% (MAX. ALLOWED ON WATER SUPPLY WATERSHED DISTRICT WS-N-PA). THE PROJECT WILL BE CONSTRUCTED AS PER LOW DENSITY STANDARDS. RUNOFF FROM THE AREA WILL BE DIRECTED TO ITS NATURAL PATH AS ALLOWED BY SITE CONDITION.

ONSITE SANITATION FACILITY IS PROPOSED AS PART OF THE PROJECT.

THERE ARE NO SPECIAL OR EXPERIMENTAL EROSION CONTROL DEVICES AND THE CONSTRUCTION SEQUENCE IS HARNETT COUNTY STANDARD.

NOTES

1. BASE INFORMATION BY MAULDIN - WATKINS SURVEYING, P.A. OF P.O. BOX 444 / 139 N. MAIN ST., (919) 552-9326. OFF-SITE INFORMATION FROM HARNETT COUNTY GIS.
2. PLAN IS SUBJECT TO REVISIONS DURING CONSTRUCTION DRAWING APPROVAL PROCESS
3. CONSTRUCTION DRAWING APPROVAL IS REQUIRED BEFORE CONSTRUCTION ON THIS PROJECT MAY BEGIN. DEVELOPMENT FEES ARE DUE BEFORE CONSTRUCTION DRAWING APPROVAL.
4. CERTIFICATION OF OWNERSHIP, DEDICATION, AND JURISDICTION IS REQUIRED AS PART OF THE SITE PLAN SUBMITTAL
5. THE PROJECT REQUIRES SITE PLAN CERTIFICATION FROM PROFESSIONAL NORTH CAROLINA LAND SURVEYOR OR ENGINEER.
6. THERE IS NO GREASE TRAP USED FOR THIS PROJECT
7. ALL CONSTRUCTION SHALL CONFORM TO HARNETT COUNTY STANDARD SPECS.

PROJECT LOCATION:

THIS PROJECT IS LOCATED IN THE HECTOR CREEK TOWNSHIP, HARNETT COUNTY, NORTH CAROLINA ON HWY-401 APPROX. ONE THIRD MILES FROM RAILROAD CROSSING NEAR LAFAYETTE ELEMENTARY SCHOOL.

SITE DATA

OWNER/DEVELOPER: NORTHWEST HARNETT VOLUNTEER FIRE DEPT INC
 ADDRESS: 6015 CHRISTIAN LIGHT RD
 CITY: FUQUAY-VARINA, NC 27526

DESIGNER: BOBBITT DESIGN-BUILD, INC.
 ATTN: BLAIR PITTMAN, PE (24438) (ENGINEER)
 600 GERMANTOWN ROAD
 CITY: RALEIGH, NC 27607
 PHONE: 919.851.1980
 EMAIL ADDRESS: BPITTMAN@BOBBITT.COM

ARCHITECT: BRIAN GRIFFITH
 STREET: 600 GERMANTOWN ROAD
 CITY: RALEIGH, NC 27607
 PHONE: 919.851.1980

LANDSCAPE ARCHITECT: TALMAGE "MARK" HALL
 STREET: 100 DOVE CT
 CITY, STATE: CLAYTON, NC 27520
 PHONE: 919.810.8408

SITE ADDRESS: US-401, FUQUAY-VARINA
 TOWNSHIP: HECTORS CREEK
 COUNTY: HARNETT
 STATE: NORTH CAROLINA
 TAX MAP OR PIN NUMBER: 0643-68-0029
 DEED BOOK & PAGE: 4046 & 0223
 ZONED: RA-30
 JURISDICTION: HARNETT COUNTY
 WATERSHED DISTRICT: WS-IV-P
 WATERSHED: CAPE FEAR RIVER
 LAND USE CLASSIFICATION: EMPLOYMENT MIXED USE
 TOTAL ACREAGE: ±4.67AC
 WATERSHED: CAPE FEAR RIVER
 DRAINAGE AREA TO SCM: NA

BUILDING SIZE:	±11,400 SF
BUILDING SETBACKS:	
FRONT	35'
SIDE	10'
REAR	25'
LANDSCAPE BUFFERS:	
STREET	10' TYPE A
SIDE	15' TYPE C
REAR	15' TYPE C
IMPERVIOUS AREA	
BUILDING AREA:	11,400 SF
VEHICLE PVMT AREA:	27,600 SF
NON-VEHICLE PVMT. AREA:	2,400 SF
TOTAL IMPERVIOUS	41,400 SF / 20.4%
DISTURBED/DENUDED AREA	1.95 ACRES
PARKING REQUIREMENTS	
EMERGENCY SERVICES- (1 SPACE PER 350 SF)	±6,800 SF 20 TBD
BAYS AREA - (BAYS AREA EXCLUDED)	±4,600 SF 0
TOTAL REQUIRED:	20 TBD
PROPOSED PARKING:	20 (100% OF REQUIRED)
HANDICAP SPACES REQUIRED/PROVIDED:	1/1

INDEX OF SHEETS

SHEET NUMBER	DESCRIPTION
C0.0	COVER SHEET
C0.1	EXISTING CONDITIONS
C1.0	STAKING PLAN
C2.0	SEDIMENT AND EROSION CONTROL PLAN (PHASE I)
C2.1	SEDIMENT AND EROSION CONTROL PLAN (PHASE II)
C2.2	NPDES STABILIZATION PLAN
C3.0	GRADING PLAN
C4.0	UTILITY PLAN
C5.0	LANDSCAPE PLAN
C6.0	LIGHTING PLAN
C7.0	DETAILS
C7.1	DETAILS
C7.2	DETAILS

FLOODPLAIN INFORMATION

THIS SITE IS IN ZONE X, AREA OF MINIMAL FLOOD HAZARD (NOT IN ANY SPECIAL FLOOD HAZARD AREAS OR FUTURE CONDITIONS FLOOD HAZARD AREAS), AS SHOWN ON FIRM PANEL 3720064200A, DATED OCTOBER 3, 2006.

WETLAND INFORMATION

NEITHER THE FIELD CONDITION NOR HARNETT COUNTY GIS SUGGEST THE EXISTENCE OF WETLAND WITHIN THE PROPOSED DEVELOPMENT.

CERTIFICATION OF OWNERSHIP, DEDICATION, & JURISDICTION

I (WE) HEREBY CERTIFY THAT I AM (WE ARE) THE OWNER(S) OR AGENT OF THE PROPERTY SHOWN AND DESCRIBED HEREON AND THAT I (WE) HEREBY ADOPT THIS PLAN OF SUBDIVISION WITH MY (OUR) FREE CONSENT. ESTABLISH MINIMUM BUILDING SETBACK LINES, AND DEDICATE ALL STREETS, ALLEYS, WALKS, PARKS, AND OTHER SITES AND EASEMENTS TO PUBLIC OR PRIVATE USE AS NOTED, AND ALL OF THE LAND SHOWN HEREON IS WITHIN THE SUBDIVISION REGULATION JURISDICTION OF HARNETT COUNTY EXCEPT:

DATE: 8 FEBRUARY 2022

TAX PARCEL ID NUMBER: 0643-68-0029

OWNER: NW HARNETT VOLUNTEER FIRE DEPARTMENT

ENGINEER CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, AND DRAWING WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NORTH CAROLINA.

SIGNATURE: [Signature]

NAME: BLAIR PITTMAN
 DATE: 02/08/2022 NC STATE PE LICENCE NUMBER: 24438



CALL BEFORE YOU DIG!
 NORTH CAROLINA LAW REQUIRES NOTIFICATION OF THE UNDERGROUND FACILITY OWNER NOT LESS THAN TWO (2) BUT NO MORE THAN TEN (10) WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION

NORTH CAROLINA 811 www.nc811.org
 1-800-632-4949

North Carolina One-Call Center, Inc.

REVISIONS

No.	DATE	DESCRIPTION	REV. BY
△			
△			
△			
△			
△			

NW HARNETT FIRE STATION 3
SITE DEVELOPMENT PLANS

APPROVED FOR PERMITTING
 NOT FOR CONSTRUCTION

NW HARNETT FIRE STATION 3
 US HWY 401 N
 FUQUAY-VARINA, NC 27526

24 X 36
 8 FEBRUARY 2022
 21-0337
 COVER
C0.0



COORDINATOR:
Blair Pittman

DRAWN BY:
Narayan Nyaupane

CHK BY: BPP

BASE INFORMATION BY MAULDIN - WATKINS SURVEYING, P.A.
OF P.O. BOX 444 / 139 N. MAIN ST.. (919) 552-9326.
OFF-SITE INFORMATION FROM HARNETT COUNTY GIS.

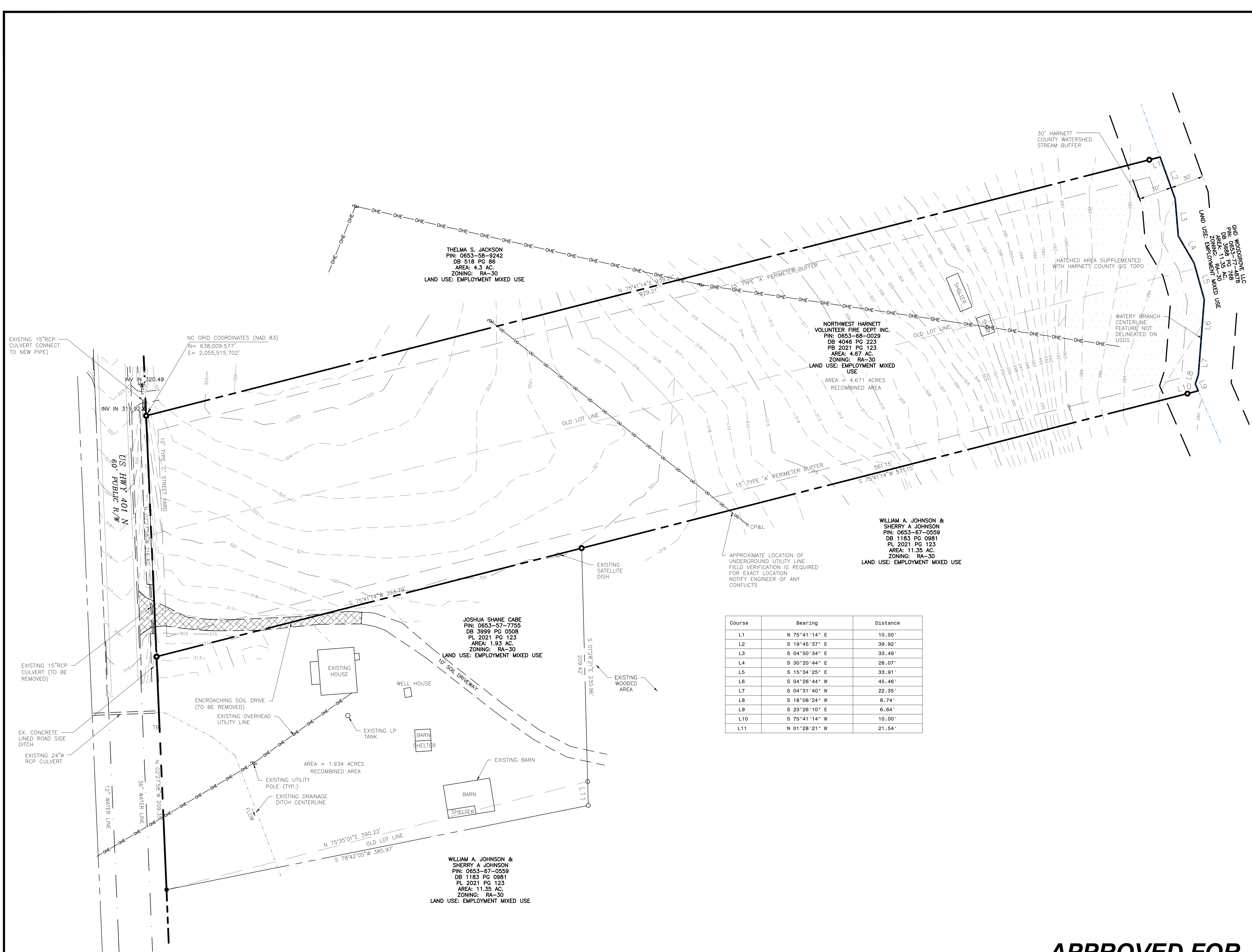
SYMBOL LEGEND

	EXISTING	PROPOSED
WATER METER	⊕	⊕
SANITARY SEWER MANHOLE	⊙	⊙
CLEAN OUT	○	○
POWER POLE	⊕	⊕
LIGHT POLE	⊕	⊕
FIRE HYDRANT	⊕	⊕
WATER VALVE	⊕	⊕
RECLAIMED WATER VALVE	⊕	⊕
BLOWOFF ASSEMBLY	⊕	⊕
TEMPORARY BENCHMARK	⊕	⊕
EXISTING OVERHEAD ELECTRIC	—OHE—	—OHE—
EX. SANITARY SEWER	—	—
EX. WATER LINE	—	—
SILT FENCE	—	—
TREE PROTECTION FENCE	—	—

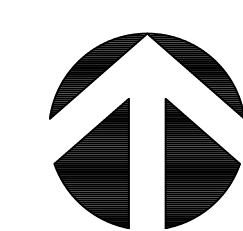
LINE TYPE LEGEND

—	PROPERTY LINE - LINE SURVEYED
- - -	RIGHT-OF-WAY
- · - · -	ADJOINING LINE - LINE NOT SURVEYED
- · - · -	EASEMENT
- · - · -	STREAM BUFFER

LEGEND:
EIP - EXISTING IRON PIPE
EPK - EXISTING PK NAIL
NIP - NEW IRON PIPE SET
R/W - RIGHT OF WAY
CATV - CABLE TV BOX
EB - ELECTRIC BOX
TEL - TELEPHONE PEDESTAL
PP - POWER POLE
OHL - OVERHEAD LINE
LP - LIGHT POLE
WM - WATER METER
WV - WATER VALVE
CO - SEWER CLEAN-OUT



APPROVED FOR PERMITTING
NOT FOR CONSTRUCTION



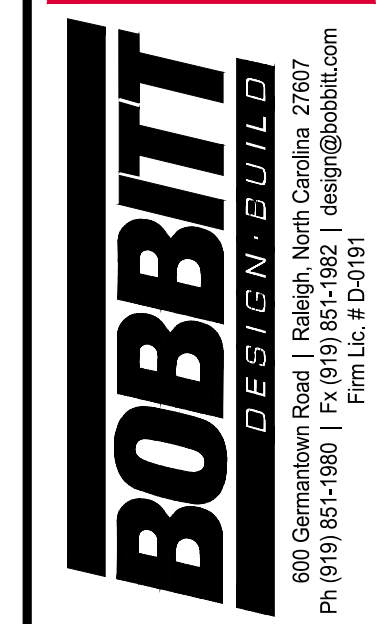
REVISIONS

No.	DATE	DESCRIPTION	REV. BY
△			
△			
△			
△			

CALL BEFORE YOU DIG!
NORTH CAROLINA LAW REQUIRES NOTIFICATION OF THE UNDERGROUND FACILITY OWNER NOT LESS THAN TWO (2) BUT NO MORE THAN TEN (10) WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION

NORTH CAROLINA 811 www.nc811.org
1-800-632-4949

North Carolina One-Call Center, Inc.



COORDINATOR:
Blair Pittman

DRAWN BY:
Narayan Nyaupane

CHK BY: BPP

NW HARNETT FIRE STATION 3
US HWY 401 N
FUQUAY-VARINA, NC 27526

24 X 36
1" = 40'

8 FEBRUARY 2022

21-0337

STAKING
PLAN

C1.0

COPYRIGHT © 2022 BOBBITT DESIGN-BUILD, INC. ALL RIGHTS RESERVED.

HARNETT COUNTY NOTES

- HIGHWAY 401 IS ON THE HARNETT COUNTY THOROUGHFARE PLAN
- HIGHWAY 401 IS ON THE HARNETT COUNTY COMPREHENSIVE TRANSPORTATION PLAN
- INSTALL DIRECTIONAL ARROWS, LANE MARKINGS, "STOP" MESSAGES, ETC. AS SHOWN ON THE PLANS WITH TRAFFIC MARKING PAINT ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. USE WHITE PAINT.
- NO HAZARDOUS MATERIALS WILL BE STORED ON THE PROPOSED DEVELOPMENT.
- PROPERTY OWNER WILL BE RESPONSIBLE FOR MAINTENANCE OF THE PARKING AREAS, DRIVE AISLES, LANDSCAPE BUFFERING.
- ALL CONSTRUCTION SHALL CONFORM TO HARNETT COUNTY ENGINEERING DESIGN AND CONSTRUCTION STANDARDS.
- SITE PLAN REVIEW AND APPROVAL IS REQUIRED BEFORE CONSTRUCTION ON THIS PROJECT MAY BEGIN. REVIEW FEES ARE DUE BEFORE SITE PLAN SUBMITTAL.
- NO SIGNAGE IS PROPOSED WITH THESE PLANS. ANY FUTURE GROUND SIGN WILL BE PERMITTED SEPARATELY.
- ALL MECHANICAL AREAS LOCATED ON, BESIDE, OR ADJACENT TO ANY BUILDING OR DEVELOPMENTS SHALL BE SCREENED FROM THE VIEWS OF STREETS AND ADJACENT PROPERTIES.
- ALL TRASH CONTAINMENT DEVICES, INCLUDING COMPACTORS, DUMPSTERS AND ROLL OUT CARTS, SHALL BE LOCATED AND DESIGNED SO AS NOT TO BE VISIBLE FROM THE VIEW OF ADJACENT RIGHT(S)-OF-WAY AND PROPERTIES.
- SEE COVER SHEET (SHEET C.O.0 FOR ALL BUFFER REQUIREMENTS)
- LIGHTING SHALL BE LOCATED IN SUCH A MANNER TO PREVENT OFFSITE GLARE
- HOURS OF OPERATION: 24HOURS, 7 DAYS A WEEK(EMERGENCY SERVICE)

GENERAL NOTES: STAKING PLAN

- BASE INFORMATION BY MAULDIN - WATKINS SURVEYING, P.A. OF P.O. BOX 444 / 139 N. MAIN ST., (919) 552-9326. OFF-SITE INFORMATION FROM HARNETT COUNTY GIS.
- NO FREE STANDING SIGNS ARE PROPOSED AS PART OF THE DESIGN. IF NEW FREE STANDING SIGNS ARE REQUIRED IN THE FUTURE, IT WILL BE PERMITTED SEPARATELY.
- ALL DEMISED AREAS NOT COVERED WITH IMPERVIOUS SURFACE OR NOTED LANDSCAPING TO BE PERMANENTLY SEEDED.
- CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR CONSTRUCTION SHOWN ON THESE PLANS.
- ALL DIMENSIONS AND STAKING POINT LOCATIONS ARE TO BACK OF CURB/EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- ANY WORK SHOWN ON THESE PLANS THAT IS FOUND TO BE IN CONFLICT WITH LOCAL ZONING SETBACK REQUIREMENTS SHALL BE IMMEDIATELY REPORTED TO THE CIVIL ENGINEER FOR ADJUSTMENT.
- LOCATIONS FOR EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. CONTRACTOR SHALL CALL UTILITY LOCATOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES.
- CONTRACTOR SHALL AT ALL TIMES MAINTAIN ADEQUATE SAFETY MEASURES, ACTIVITIES, AND BARRICADES FOR THE PROTECTION OF ALL PERSONS ON OR ABOUT THE LOCATION OF THE SITE.
- CONTRACTOR SHALL INSTALL SIGNS, AND CONSTRUCT NECESSARY RAMPS, AS PER THE NORTH CAROLINA STATE BUILDING CODE, FOR ALL HANDICAP PARKING SPACES NOTED ON THE PLANS.
- FOR ALL HANDICAPPED PARKING SPACES, AS PER ADA CODE: 1)REGARDLESS OF AGE, ALL ACCESSIBLE SPACES SHALL BE IDENTIFIED BY ABOVE GROUND SIGNS ONLY; 2) NEW SPACES SHALL NOT USE GROUND-PAINTED SYMBOLS; 3) ACCESSIBLE SPACES ARE REQUIRED TO BE STRIPED OFF ONLY. 4) STRIPING IS WHITE ON DARK PAVEMENT; BLACK ON LIGHT PAVEMENT.
- INSTALL DIRECTIONAL ARROWS, LANE MARKINGS, "STOP" MESSAGES, ETC. AS SHOWN ON THE PLANS WITH TRAFFIC MARKING PAINT ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. USE WHITE PAINT.

LINE TYPE LEGEND

	PROPERTY LINE - LINE SURVEYED
	RIGHT-OF-WAY
	ADJOINING LINE - LINE NOT SURVEYED
	EASEMENT
	STREAM BUFFER

SYMBOL LEGEND

	EXISTING	PROPOSED
WATER METER		
SANITARY SEWER MANHOLE		
CLEAN OUT		
POWER POLE		
LIGHT POLE		
FIRE HYDRANT		
WATER VALVE		
RECLAIMED WATER VALVE		
BLOWOFF ASSEMBLY		
TEMPORARY BENCHMARK		
EXISTING OVERHEAD ELECTRIC		
EX. SANITARY SEWER		
EX. WATER LINE		
SILT FENCE		
TREE PROTECTION FENCE		

PARKING CALCULATIONS

EMERGENCY SERVICES- ±6,800 SF (1 SPACE PER 350 SF)	20 TBD
BAYS AREA - ±4,600 SF (BAYS AREA EXCLUDED)	0
TOTAL REQUIRED:	20 TBD
PROPOSED PARKING:	20 (100% OF REQUIRED)
HANDICAP SPACES REQUIRED/PROVIDED:	1/1

CALL BEFORE YOU DIG!
NORTH CAROLINA LAW REQUIRES NOTIFICATION OF THE UNDERGROUND FACILITY OWNER NOT LESS THAN TWO (2) BUT NO MORE THAN TEN (10) WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION

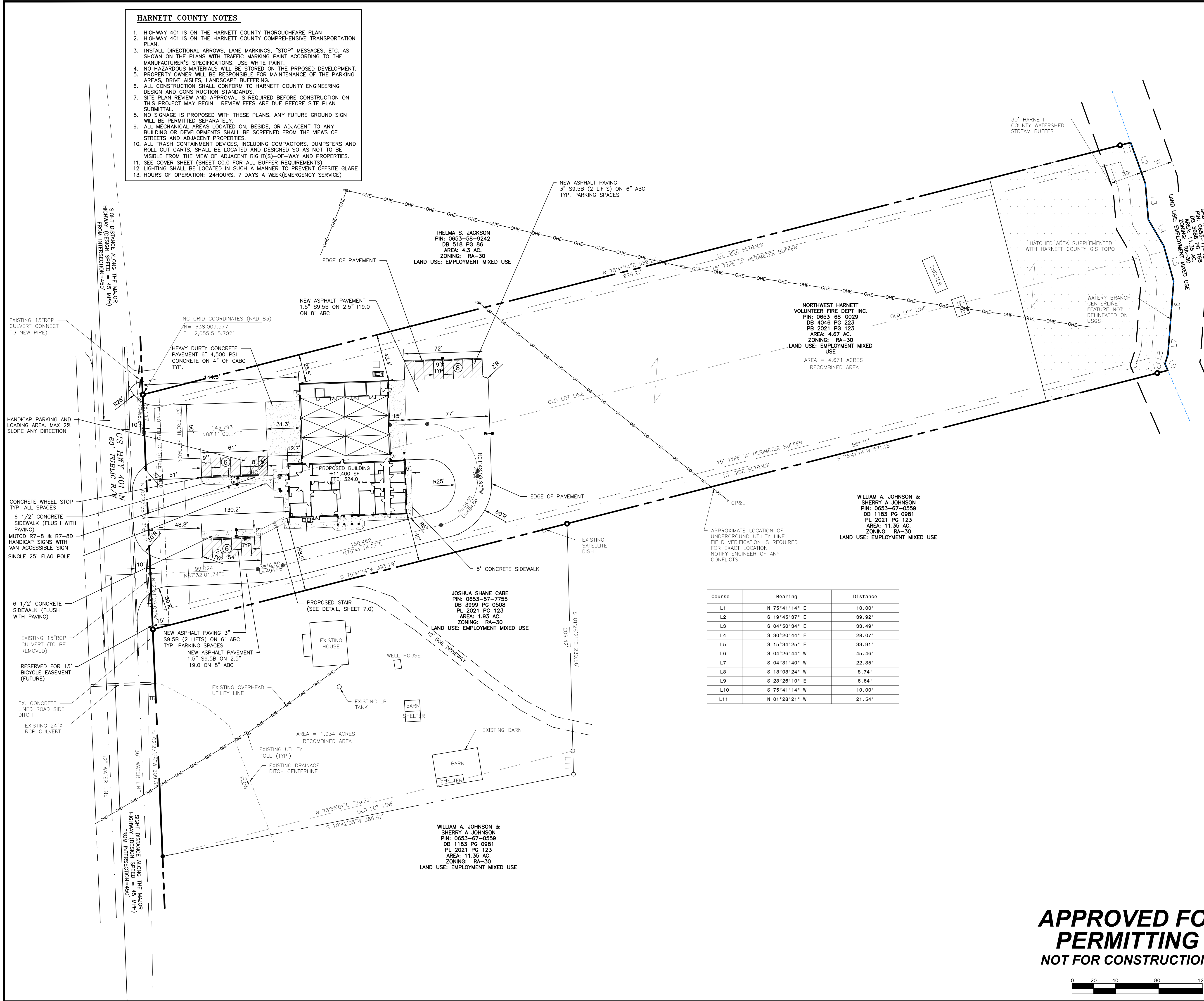
NORTH CAROLINA 811
www.nc811.org
1-800-632-4949
North Carolina One-Call Center, Inc.

Course	Bearing	Distance
L1	N 75°41'14" E	10.00'
L2	S 19°45'37" E	39.92'
L3	S 04°50'34" E	33.49'
L4	S 30°20'44" E	28.07'
L5	S 15°34'25" E	33.91'
L6	S 04°26'44" W	45.46'
L7	S 04°31'40" W	22.35'
L8	S 18°08'24" W	8.74'
L9	S 23°26'10" E	6.64'
L10	S 75°41'14" W	10.00'
L11	N 01°28'21" W	21.54'

APPROVED FOR PERMITTING
NOT FOR CONSTRUCTION

REVISIONS

No.	DATE	DESCRIPTION	REV. BY
△			
△			
△			
△			



- CONSTRUCTION SEQUENCE:**
1. ALL EROSION CONTROL MEASURES SHALL BE IN STRICT COMPLIANCE WITH THE STATE OF NC DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES STANDARDS. DEVIATIONS FROM THE APPROVED PLAN MUST BE APPROVED BY THE INSPECTOR AND IMMEDIATELY NOTED TO THE ENGINEER.
 2. OBTAIN GRADING PERMIT.
 3. EROSION AND SEDIMENT CONTROL (E&SC) PERMIT AND A CERTIFICATE OF COVERAGE (COC) MUST BE OBTAINED BEFORE ANY LAND DISTURBANCE ACTIVITIES OCCUR. COC IS OBTAINED BY FILING OUT NOTICE OF INTENT FORM FOR NCG01 PERMIT. COPY OF E&SC PERMIT COC AND HARD COPY OF PLANS MUST BE KEPT ON SITE AND ACCESSIBLE DURING INSPECTION.
 4. 48 HR PRIOR TO ANY LAND DISTURBING ACTIVITIES, CONTACT DEMLR FAYETTEVILLE OFFICE (910)433-3300 TO COORDINATE A PRE-CONSTRUCTION CONFERENCE AND TO DISCUSS EROSION CONTROL MEASURES. FAILURE TO DO SO WILL RESULT IN A NOTICE OF VIOLATION AND SUBJECT THE FINANCIALLY RESPONSIBLE OWNER TO FINES.
 5. COORDINATE UTILITY LOCATIONS AND RELOCATIONS WITH SERVICE PROVIDERS.
 6. INSTALL THE TREE PROTECTION AND SILT FENCE AS SHOWN ON PLANS PRIOR TO ANY SITE WORK. CLEARING TO BE LIMITED TO AREA NECESSARY FOR INSTALLATION, THEN IMMEDIATELY STABILIZED. (NO OTHER CLEARING, GRUBBING, GRADING, OR EXCAVATION IS AUTHORIZED).
 7. AFTER THE INSPECTOR HAS APPROVED THE FENCE INSTALLATION, INSTALL CONSTRUCTION ENTRANCE WITH PERMANENT ROAD PIPE, EROSION CONTROL SHOWN IN R/W. INSTALL SEDIMENT TRAP AND DIVERSION DITCHES. CLEARING TO BE LIMITED TO AREA NECESSARY FOR INSTALLATION, THEN IMMEDIATELY STABILIZED. (NO OTHER CLEARING, GRUBBING, GRADING, OR EXCAVATION IS AUTHORIZED). BEGIN GRADING OPERATIONS, INCLUDING GRUBBING AND HAUL-OFF OF OFF-SITE SOILS.
 8. AS PROJECT IS BROUGHT TO GRADE, MOVE TO PHASE TWO EROSION CONTROL.
 9. PER NPDES REQUIREMENTS, A RAIN GAUGE, SELF-INSPECTIONS RECORDS, PERMIT, CERTIFICATE OF COVERAGE, AND S&E PLAN ARE REQUIRED TO BE MAINTAINED ON SITE AND ACCESSIBLE DURING INSPECTION. IT IS RECOMMENDED THAT THESE ITEMS BE PLACED IN A PERMITS BOX AT THE BEGINNING OR ENTRANCE OF PROJECT. SELF-INSPECTIONS FOR EROSION AND SEDIMENTATION CONTROL MEASURES ARE TO BE PERFORMED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF EVERY RAIN EVENT OF GREATER THAN 1/8". ANY NEEDED REPAIRS SHALL BE MADE IMMEDIATELY TO MAINTAIN MEASURES AS DESIGNED. ALL E&SC MEASURES SHALL BE MAINTAINED AS SPECIFIED IN THE CONSTRUCTION DETAILS ON THIS PLAN. A RAIN GAUGE SHALL BE INSTALLED AT THE PROJECT SITE FOR MONITORING.

NOTE: EXISTING SOIL TYPES ON-SITE WITHIN LIMIT OF DISTURBANCE
DoB - DOTHAN LOAMY SAND (HSG-B)
DoB - FUQUAY LOAMY SAND (HSG-B)

GRADING CONTRACTOR:
ALL HAUL-ON FILL MATERIAL MUST BE FROM AN EXISTING PERMITTED BORROW SITE OR BORROW SITE MUST BE PERMITTED

SYMBOL LEGEND

	EXISTING	PROPOSED
WATER METER	□	■
SANITARY SEWER MANHOLE	⊙	●
CLEAN OUT	○	●
POWER POLE	⊕	⊕
LIGHT POLE	⊕	⊕
FIRE HYDRANT	⊕	⊕
WATER VALVE	⊕	⊕
RECLAIMED WATER VALVE	⊕	⊕
BLOWOFF ASSEMBLY	⊕	⊕
TEMPORARY BENCHMARK	⊕	⊕
EXISTING OVERHEAD ELECTRIC	—OHE—	—OHE—
EX. SANITARY SEWER	—	—
EX. WATER LINE	—	—
SILT FENCE	—○—	—○—
TREE PROTECTION FENCE	—□—	—□—

SEEDING SCHEDULE (TEMPORARY SEEDING)

DATE	TYPE	PLANTING RATE
JAN 1 - MAY 1	RYE GRAIN (SECALE CEREALE)	120 LBS/ACRE
MAY 1 - AUG 15	GERMAN MILLET (SETARIA ITALICA), OR BROWNTOP MILLET (UROCHLOA RAMOSA), OR WEEPING LOVEGRASS	45 LBS/ACRE
AUG 15 - DEC 30	RYE GRAIN (SECALE CEREALE)	120 LBS/ACRE
AUG 15 - NOV 30	ANNUAL RYE GRASS	40 LBS/ACRE

NOTES:
1. FOR OPTIMUM RESULTS, A SOIL ANALYSIS SHOULD BE PERFORMED TO DETERMINE NUTRIENT AND LIME NEEDS FOR THE SITE.
2. CONSULT CONSERVATION OR ENVIRONMENTAL ENGINEER FOR A SOIL ANALYSIS AND FOR RECOMMENDATIONS AND INFORMATION CONCERNING SEEDING, FERTILIZING, AND ALTERNATIVES FOR VEGETATION.
3. THE ABOVE VEGETATION RATES ARE THOSE THAT DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE.
4. TEMPORARY ANNUAL SEEDING SHALL BE BASED ON THE SEASON. DURING OVERLAPPING SEASONS, A MIXTURE OF TEMPORARY SPECIES IS ACCEPTABLE PROVIDED APPLICATION RATES ARE NOT IN EXCESS OF THE TOTAL RECOMMENDED RATE PER ACRE.
5. APPLY SOIL NUTRIENTS AND AMENDMENTS PER SOIL ANALYSIS, OTHERWISE 750-1000 LBS OF 10-10-10 FERTILIZER AND UP TO 2 TONS OF DOLOMITIC LIME PER ACRE. MULCH AFTER SEEDING WITH 1.5 TONS OF GRASS STRAW PER ACRE AND SECURE IN PLACE WITH CRIMPING, TACKING (400 GAL/ACRE) AND/OR NETTING TO PROTECT SEEDBED AND ENCOURAGE GROWTH.
6. DO NOT ALLOW TEMPORARY COVER TO GROW MORE THAN 12" IN HEIGHT BEFORE MOWING, AS OTHER ESTABLISHMENTS MAY BE SHADED OUT.

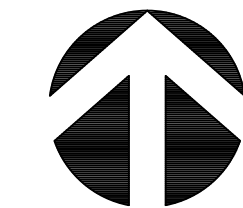
CALL BEFORE YOU DIG!
NORTH CAROLINA LAW REQUIRES NOTIFICATION OF THE UNDERGROUND FACILITY OWNER NOT LESS THAN TWO (2) BUT NO MORE THAN TEN (10) WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION

NORTH CAROLINA 811
www.nc811.org
1-800-632-4949
North Carolina One-Call Center, Inc.

REVISIONS

No.	DATE	DESCRIPTION	REV. BY
△			
△			
△			
△			
△			

APPROVED FOR PERMITTING
NOT FOR CONSTRUCTION

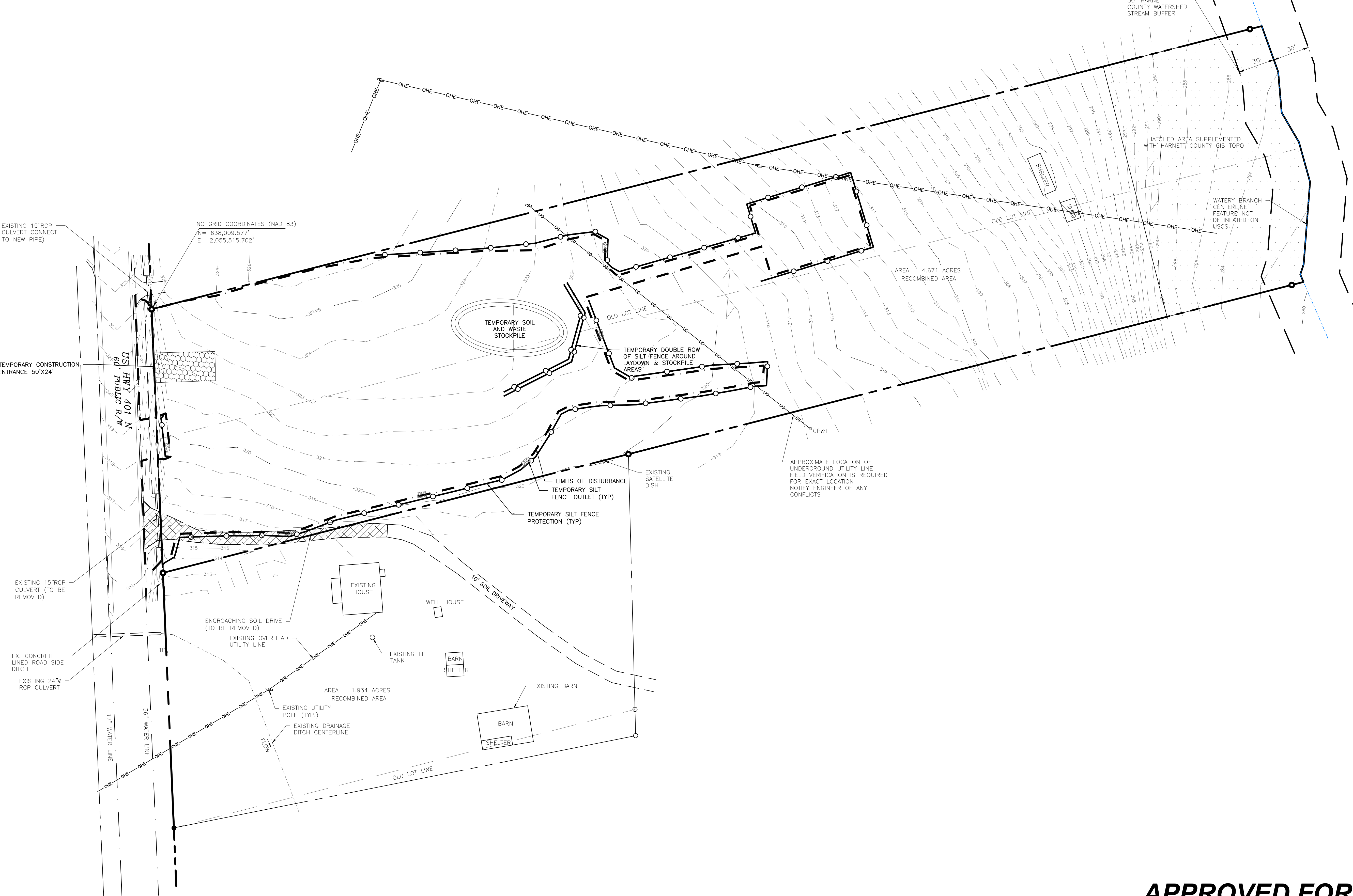


EROSION CONTROL LEGEND

- TEMPORARY GRAVEL CONSTR. ENTRANCE
- TEMPORARY SILT FENCE
- TEMPORARY TREE PROTECTION FENCE
- TEMPORARY DIVERSION DITCH
- LIMITS OF DISTURBANCE
- TEMPORARY SILT FENCE OUTLET
- TEMPORARY BLOCK AND GRAVEL INLET PROTECTION

LINE TYPE LEGEND

- PROPERTY LINE - LINE SURVEYED
- RIGHT-OF-WAY ADJOINING LINE - LINE NOT SURVEYED
- EASEMENT
- STREAM BUFFER



NC GRID COORDINATES (NAD 83)
N = 638,009.577'
E = 2,055,515.702'

EXISTING 15" RCP CULVERT CONNECT TO NEW PIPE)

TEMPORARY CONSTRUCTION ENTRANCE 50'X24'

US HWY 401 N
60' PUBLIC R/W

EXISTING 15" RCP CULVERT (TO BE REMOVED)

EX. CONCRETE LINED ROAD SIDE DITCH

EXISTING 24" RCP CULVERT

12" WATER LINE

3.6" WATER LINE

10" SOIL DRIVEWAY

EXISTING HOUSE

WELL HOUSE

EXISTING LP TANK

BARN SHELTER

EXISTING BARN

EXISTING UTILITY POLE (TYP.)

EXISTING DRAINAGE DITCH CENTERLINE

ENCROACHING SOIL DRIVE (TO BE REMOVED)

EXISTING OVERHEAD UTILITY LINE

AREA = 1.934 ACRES RECOMBINED AREA

AREA = 4.671 ACRES RECOMBINED AREA

OLD LOT LINE

APPROXIMATE LOCATION OF UNDERGROUND UTILITY LINE. FIELD VERIFICATION IS REQUIRED FOR EXACT LOCATION. NOTIFY ENGINEER OF ANY CONFLICTS.

EXISTING SATELLITE DISH

CP&L

COPYRIGHT © 2022 BOBBITT DESIGN BUILD, INC. ALL RIGHTS RESERVED.



COORDINATOR:
Blair Pittman

DRAWN BY:
Narayan Nyaupane

CHK BY: BPP

NW HARNETT FIRE STATION 3
US HWY 401 N
FUQUAY-VARINA, NC 27526

24 X 36
1" = 40'

8 FEBRUARY 2022

21-0337

PHASE II
EROSION CONTROL

C2.1

CONSTRUCTION SEQUENCE:

12. AS SITE IS BROUGHT TO GRADE, INSTALL JUTE MATTING AS SHOWN ON PLANS IN FINAL DIVERSION DITCH LOCATIONS
13. COMPLETE THE INSTALLATION OF THE STORM CONVEYANCE STRUCTURES WITH ROCK PIPE INLET PROTECTION AS AREAS ARE BROUGHT TO ROUGH GRADE.
14. VISUALLY INSPECT ALL PIPES FOR SEDIMENTATION IN STORMWATER COLLECTION SYSTEM AFTER EACH RAINFALL EVENT, CLEANING AND MAINTAINING AS REQUIRED.
15. STABILIZE DENUDED AREAS AS THEY ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, PAVING, ETC. DENUDED AREAS TO BE STABILIZED WITH TEMPORARY SEEDING WITHIN 21 CALENDAR DAYS OF SUSPENSION OF ANY PHASE OF ACTIVE GRADING. PERMANENT GROUND COVER TO BE INSTALLED WITHIN 15 DAYS OR 30 CALENDAR DAYS OF COMPLETION OF CONSTRUCTION (WHICH EVER IS SHORTER). PERMANENT GROUND COVER ON SLOPES TO BE INSTALLED WITHIN 21 CALENDAR DAYS.
16. INSPECT ALL EROSION CONTROL DEVICES WEEKLY AND AFTER EVERY RAINFALL EXCEEDING 1" FOR PROPER OPERATION. ANY ACCUMULATED SEDIMENT SHALL BE REMOVED AND PLACED IN A DESIGNATED SPOIL DISPOSAL AREA APPROVED BY THE INSPECTOR. MAKE REPAIRS OR MODIFICATIONS NECESSARY TO ASSURE CONTINUED EFFECTIVE OPERATION OF EACH DEVICE.
17. COMPLETE ALL SITE IMPROVEMENTS.
18. ONCE SITE IMPROVEMENTS ARE COMPLETE, AND SITE IS COMPLETELY STABILIZED, CONTACT THE NCDEHNR FAYETTEVILLE OFFICE (910) 433-3300 FOR AN INSPECTION. IF APPROVED, BEGIN REMOVAL OF TEMPORARY SEDIMENT BASIN AND BEGIN CONSTRUCTION PERMANENT BIORETENTION BASIN
19. REMOVE ALL SPOILS FROM SEDIMENT BASIN AND WASTE OFF-SITE, (OR SPREAD ON-SITE WITH EXPRESS GENERAL CONTRACTOR APPROVAL), CONTINUE CONSTRUCTION OF DETENTION POND
20. AFTER COMPLETION OF BIO-RETENTION BASIN IS COMPLETE AND STABILIZED, REPAIR ALL DISTURBED AREAS TO FINAL GRADES
21. CONTACT THE NCDEHNR FAYETTEVILLE OFFICE (910) 433-3300 FOR AN INSPECTION. IF APPROVED, REMOVE ALL EROSION CONTROL DEVICES AND STABILIZE THESE AND ANY RESULTING BARE AREAS.
22. PERIMETER MEASURES MUST BE LEFT IN PLACE UNTIL ALL UPLAND AREAS ARE PERMANENTLY STABILIZED. AFTER SITE IS PERMANENTLY STABILIZED, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND PROVIDE PERMANENT SEEDING WHERE TEMPORARY MEASURES HAVE BEEN REMOVED AND GROUND COVER IS NOT ADEQUATE. SEDIMENT BASINS MAY NOT BE REMOVED OR CONVERTED TO PERMANENT SOMS UNTIL ALL UPLAND AREAS ARE PERMANENTLY STABILIZED
23. ONCE ALL CONSTRUCTION IS COMPLETE AND VEGETATION HAS BECOME ESTABLISHED, CONTACT THE NCDEHNR FAYETTEVILLE OFFICE (910) 433-3300 FOR A FINAL SITE INSPECTION
24. WHEN THE PROJECT IS COMPLETE, THE PERMITEE SHALL CONTACT DEMLR TO CLOSE OUT THE E&SC PLAN. AFTER NOTIFICATION OF PROJECT CLOSE-OUT, PERMITEE SHALL SUBMIT NOTICE OF TERMINATION OF NCG01 PERMIT

NOTE: EXISTING SOIL TYPES ON-SITE WITHIN LIMIT OF DISTURBANCE
Dsb - DOTMAN LOAMY SAND (HS6-B)
Fsb - FUQUAY LOAMY SAND (HS6-B)

NOTE:
AT COMPLETION OF PROJECT, GRADING CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ANY ACCUMULATED SEDIMENT IN THE STORMWATER POND. ANY DAMAGE OR REMOVAL OF TURF IS TO BE REPLACED

NPDES GROUND STABILIZATION NOTES:

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)

**STANDARD LANGUAGE FOR NPDES-SPECIFIC PLAN SHEETS
(FOR COMPLIANCE WITH NCG010000)**

1. THIS PAGE IS SUBMITTED TO COMPLY WITH NPDES GENERAL STORMWATER PERMIT NCG010000;
2. THIS PAGE CAN BE APPROVED BY THE COUNTY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NCG010000 ONLY;
3. THIS PAGE OF THE APPROVED PLANS IS ENFORCEABLE EXCLUSIVELY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NCG010000;
4. THE COUNTY IS NOT AUTHORIZED TO ENFORCE THIS PAGE OF THE PLANS AND IT IS NOT A PART OF THE APPROVED PLANS FOR PURPOSES OF ENFORCEMENT ACTION UNDER THE COUNTY CODE.

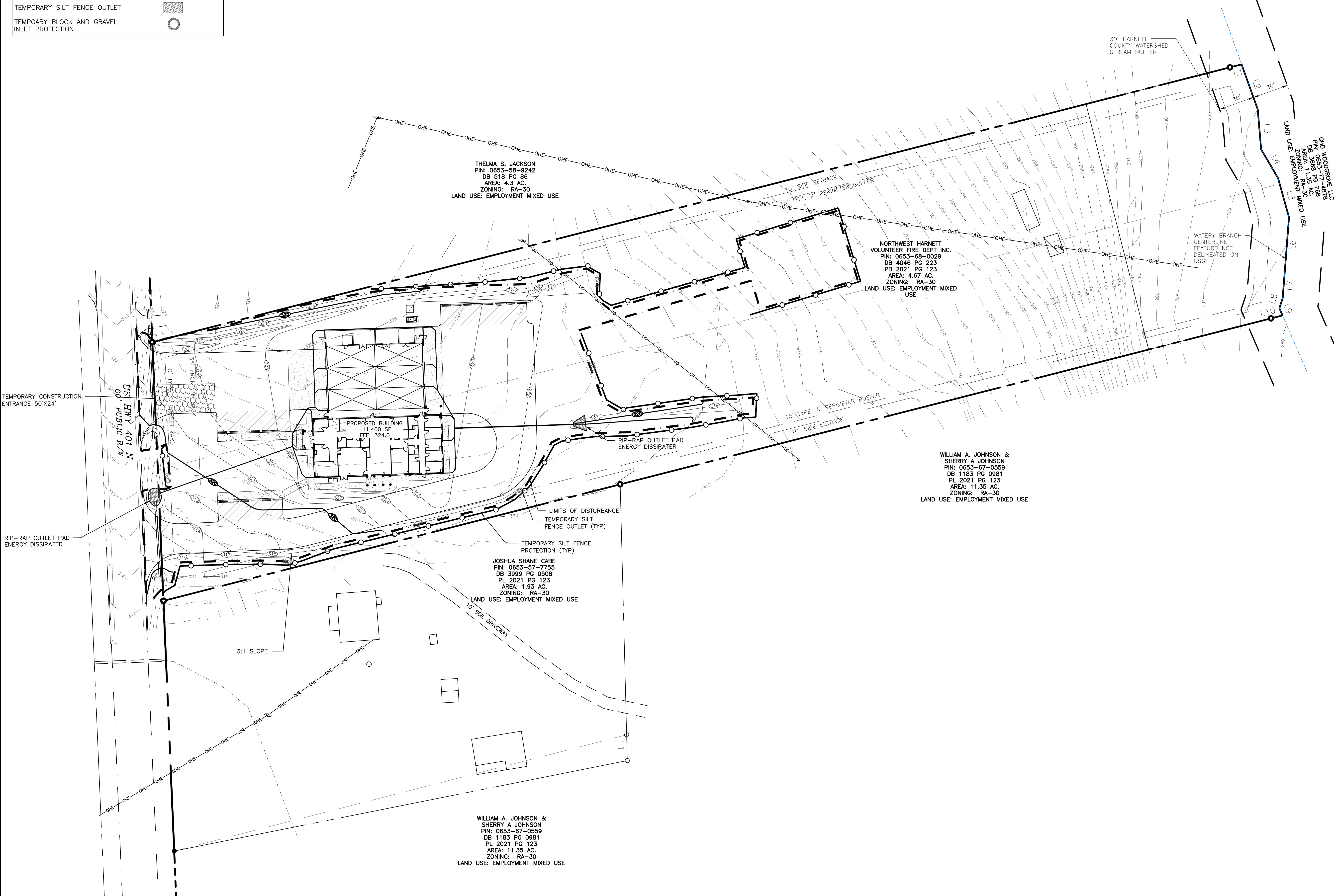
REVISIONS			
No.	DATE	DESCRIPTION	REV. BY
△			
△			
△			
△			

EROSION CONTROL LEGEND

- TEMPORARY GRAVEL CONSTR. ENTRANCE
- TEMPORARY SILT FENCE
- TEMPORARY TREE PROTECTION FENCE
- TEMPORARY DIVERSION DITCH
- LIMITS OF DISTURBANCE
- TEMPORARY SILT FENCE OUTLET
- TEMPORARY BLOCK AND GRAVEL INLET PROTECTION

LINE TYPE LEGEND

- PROPERTY LINE - LINE SURVEYED
- RIGHT-OF-WAY
- ADJOINING LINE - LINE NOT SURVEYED
- EASEMENT
- STREAM BUFFER



THELMA S. JACKSON
PIN: 0653-58-9242
DB 518 PG 86
AREA: 4.3 AC.
ZONING: RA-30
LAND USE: EMPLOYMENT MIXED USE

NORTHWEST HARNETT
VOLUNTEER FIRE DEPT INC.
PIN: 0653-68-0029
DB 4045 PG 223
PB 2021 PG 123
AREA: 4.67 AC.
ZONING: RA-30
LAND USE: EMPLOYMENT MIXED USE

WILLIAM A. JOHNSON &
SHERRY A. JOHNSON
PIN: 0653-67-0559
DB 1183 PG 0981
PL 2021 PG 123
AREA: 11.35 AC.
ZONING: RA-30
LAND USE: EMPLOYMENT MIXED USE

JOSHUA SHANE CABE
PIN: 0653-57-7755
DB 3999 PG 0508
PL 2021 PG 123
AREA: 1.93 AC.
ZONING: RA-30
LAND USE: EMPLOYMENT MIXED USE

WILLIAM A. JOHNSON &
SHERRY A. JOHNSON
PIN: 0653-67-0559
DB 1183 PG 0981
PL 2021 PG 123
AREA: 11.35 AC.
ZONING: RA-30
LAND USE: EMPLOYMENT MIXED USE

CALL BEFORE YOU DIG!
NORTH CAROLINA LAW REQUIRES NOTIFICATION OF THE UNDERGROUND FACILITY OWNER NOT LESS THAN TWO (2) BUT NO MORE THAN TEN (10) WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION

NORTH CAROLINA 811
www.nc811.org
1-800-632-4949
North Carolina One-Call Center, Inc.

**APPROVED FOR PERMITTING
NOT FOR CONSTRUCTION**

NPDES GROUND STABILIZATION NOTES:

GROUND STABILIZATION* SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) 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 HOW ZONES)

* EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY
BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE
COMPLIANCE IMPRACTICABLE. (SECTION II.B(2)(B))

- STANDARD LANGUAGE FOR NPDES-SPECIFIC PLAN SHEETS
(FOR COMPLIANCE WITH NCGO10000)**
- THIS PAGE IS SUBMITTED TO COMPLY WITH NPDES GENERAL STORMWATER PERMIT NCGO10000.
 - THIS PAGE CAN BE APPROVED BY THE CITY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NCGO10000 ONLY.
 - THIS PAGE OF THE APPROVED PLANS IS ENFORCEABLE EXCLUSIVELY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NCGO10000.
 - THE CITY IS NOT AUTHORIZED TO ENFORCE THIS PAGE OF THE PLANS AND IT IS NOT A PART OF THE APPROVED PLANS FOR PURPOSES OF ENFORCEMENT ACTION UNDER THE CITY CODE.

NPDES GROUND STABILIZATION LEGEND

SLOPES STEEPER THAN 3:1, DITCHES, AND DAMS	
--	--

NOTE: OTHER SLOPES WITHIN THE LIMITS OF DISTURBANCE ARE 3:1 OR FLATTER

SYMBOL LEGEND

	EXISTING	PROPOSED
WATER METER		
SANITARY SEWER MANHOLE		
CLEAN OUT		
POWER POLE		
LIGHT POLE		
FIRE HYDRANT		
WATER VALVE		
RECLAIMED WATER VALVE		
BLOWOFF ASSEMBLY		
TEMPORARY BENCHMARK		
EXISTING OVERHEAD ELECTRIC		
EX. SANITARY SEWER		
EX. WATER LINE		
SILT FENCE		
TREE PROTECTION FENCE		

CALL BEFORE YOU DIG!
NORTH CAROLINA LAW REQUIRES NOTIFICATION OF THE UNDERGROUND FACILITY OWNER NOT LESS THAN TWO (2) BUT NO MORE THAN TEN (10) WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION

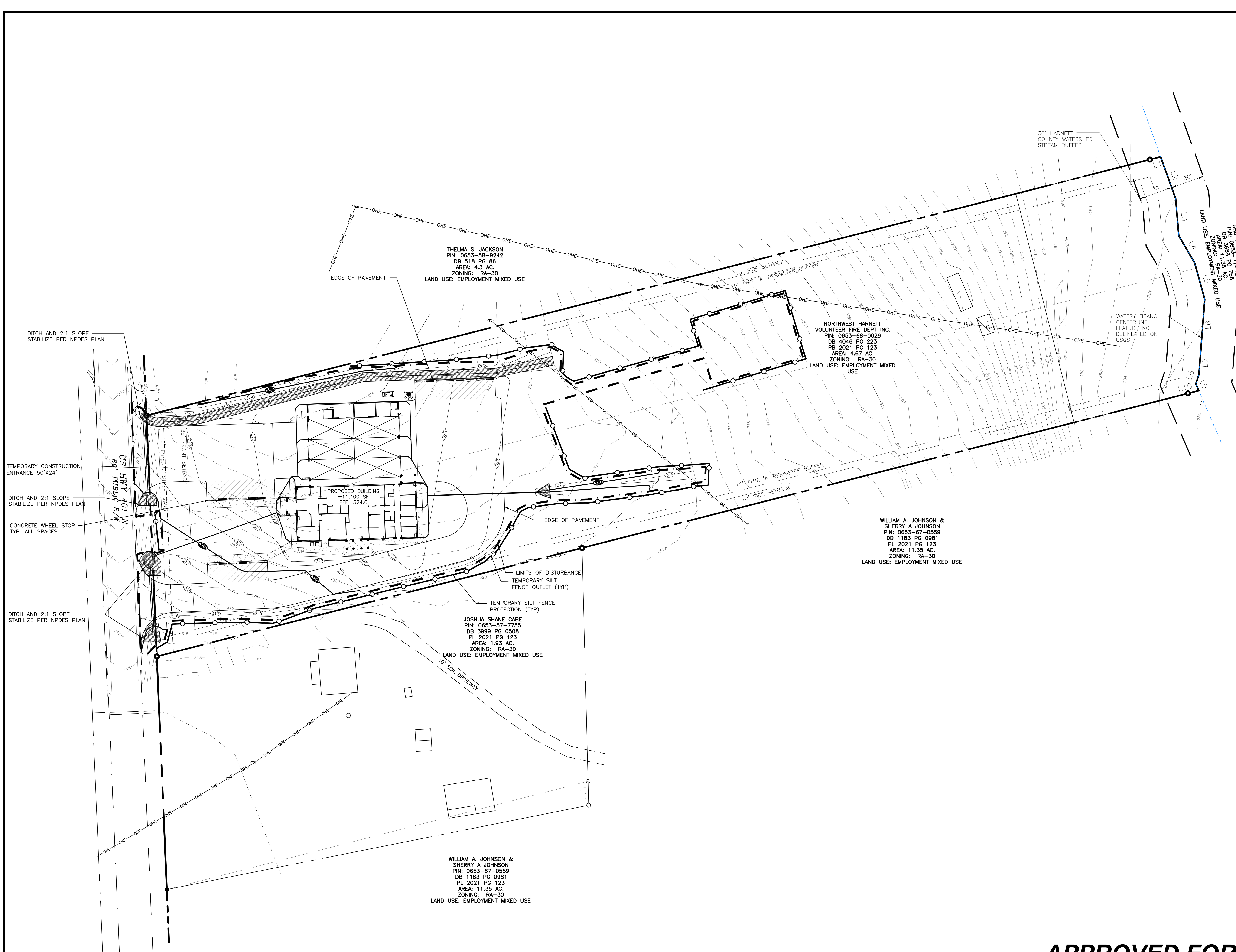
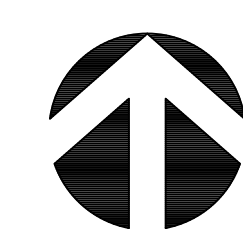
NORTH CAROLINA 811 www.nc811.org
1-800-632-4949

North Carolina One-Call Center, Inc.

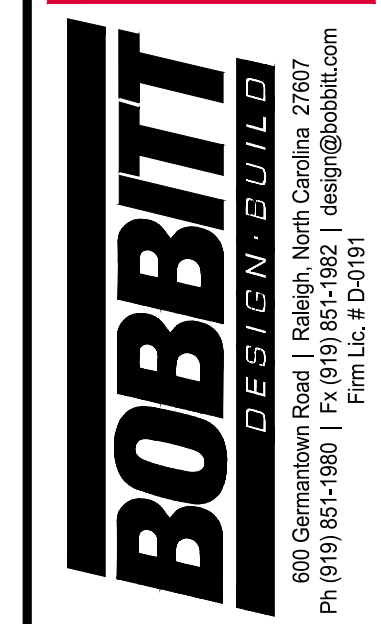
REVISIONS

No.	DATE	DESCRIPTION	REV. BY
△			
△			
△			
△			

**APPROVED FOR PERMITTING
NOT FOR CONSTRUCTION**



COPYRIGHT © 2022 BOBBITT DESIGN BUILD, INC. ALL RIGHTS RESERVED.



COORDINATOR: Blair Pittman

DRAWN BY: Narayan Nyaupane

CHK BY: BPP

NW HARNETT FIRE STATION 3

US HWY 401 N
FUQUAY-VARINA, NC 27526

24 X 36
1" = 40'

8 FEBRUARY 2022

21-0337

GRADING PLAN

C3.0

LINE TYPE LEGEND

---	PROPERTY LINE - LINE SURVEYED
---	RIGHT-OF-WAY
---	ADJOINING LINE - LINE NOT SURVEYED
---	EASEMENT
---	STREAM BUFFER

SYMBOL LEGEND

	EXISTING	PROPOSED
WATER METER	○	●
SANITARY SEWER MANHOLE	○	●
CLEAN OUT	○	●
POWER POLE	○	●
LIGHT POLE	○	●
FIRE HYDRANT	○	●
WATER VALVE	○	●
RECLAIMED WATER VALVE	○	●
BLOWOFF ASSEMBLY	○	●
TEMPORARY BENCHMARK	○	●
EXISTING OVERHEAD ELECTRIC	---	---
EX. SANITARY SEWER	---	---
EX. WATER LINE	---	---
SILT FENCE	---	---
TREE PROTECTION FENCE	---	---

- GENERAL NOTES: GRADING PLAN
- BASE INFORMATION BY MAULDIN - WATKINS SURVEYING, P.A. OF P.O. BOX 444 / 139 N. MAIN ST., (919) 452-9328. OFF-SITE INFORMATION FROM HARNETT COUNTY GIS.
 - TOTAL PROPOSED % IMPERVIOUS WILL BE 20.4% WHICH IS UNDER 24% ALLOWED ON WATER SUPPLY WATERSHED DISTRICT WS-IV-PA. THE PROJECT WILL BE CONSTRUCTED AS PER LOW DENSITY STANDARDS AND NO STORMWATER MANAGEMENT IS PROPOSED.
 - CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR CONSTRUCTION SHOWN ON THESE PLANS.
 - CONTRACTOR SHALL AT ALL TIMES MAINTAIN ADEQUATE SAFETY MEASURES, ACTIVITIES, AND BARRICADES FOR THE PROTECTION OF ALL PERSONS ON OR ABOUT THE LOCATION OF THE SITE.
 - CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
 - GRADING BEYOND THE DENUDED LIMITS INDICATED ON CONSTRUCTION DOCUMENTS IS A VIOLATION AND IS SUBJECT TO A FINE.
 - ALL EXISTING UTILITIES AND STORM STRUCTURES ARE SHOWN PER SURVEY DATA AND ARE APPROXIMATE. CONTRACTOR IS FULLY RESPONSIBLE TO FIELD VERIFY ACTUAL LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION AND SHALL CALL UTILITY LOCATOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES.
 - ALL SIDEWALKS, STOOPS, TERRACES AND OTHER PAVED AREAS SHALL SLOPE AWAY FROM BUILDING(S) AT 2% (MIN).
 - THE CONTRACTOR SHALL MAINTAIN EACH DITCH IN AN UNOBSTRUCTED CONDITION AND SHALL REMOVE FROM THESE AREAS ALL DEBRIS, LOGS, TIMBER, TRASH, JUNK AND OTHER ACCUMULATIONS.
 - TOPSOIL STRIPPED FROM THE SITE IS TO BE STOCKPILED AND USED FOR BACKFILLING ALL LANDSCAPE ISLANDS, BEDS AND LAWN AREAS. TOPSOIL IS TO BE SPREAD TO A DEPTH OF AT LEAST 6" AS SOIL IS AVAILABLE.
 - ALL AREAS NOT COVERED WITH PAVING, GRAVEL, BUILDING OR PLANTING BEDS SHALL BE SEEDDED AS SHOWN IN THE SEEDBED PREP. AND SEEDING SCHEDULE NOTES. (SEE THE LANDSCAPE PLAN FOR SPECIFIC LAWN AREAS)

CALL BEFORE YOU DIG!
NORTH CAROLINA LAW REQUIRES NOTIFICATION OF THE UNDERGROUND FACILITY OWNER NOT LESS THAN TWO (2) BUT NO MORE THAN TEN (10) WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION

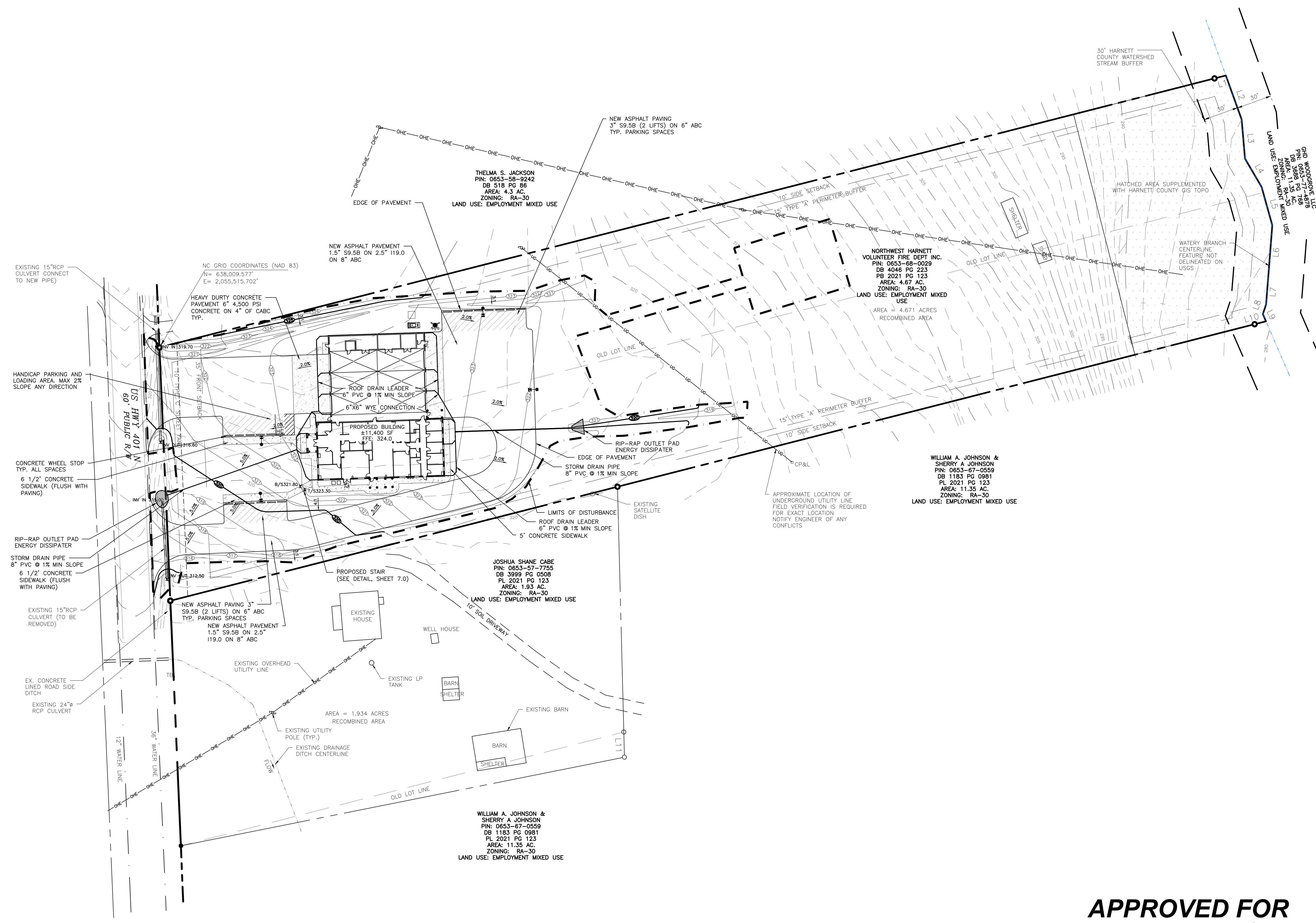
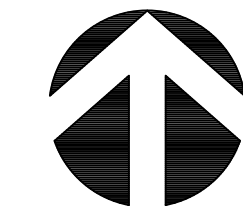
811 www.nc811.org
1-800-632-4949

North Carolina One-Call Center, Inc.

REVISIONS

No.	DATE	DESCRIPTION	REV. BY
▲			
▲			
▲			
▲			

APPROVED FOR PERMITTING
NOT FOR CONSTRUCTION



THELMA S. JACKSON
PIN: 0653-58-9242
DB 518 PG 86
AREA: 4.3 AC.
ZONING: RA-30
LAND USE: EMPLOYMENT MIXED USE

NORTHWEST HARNETT
VOLUNTEER FIRE DEPT INC.
PIN: 0653-68-0029
DB 4046 PG 223
PB 2021 PG 123
AREA: 4.67 AC.
ZONING: RA-30
LAND USE: EMPLOYMENT MIXED USE

WILLIAM A. JOHNSON &
SHERRY A JOHNSON
PIN: 0653-67-0559
DB 1183 PG 0981
PL 2021 PG 123
AREA: 11.35 AC.
ZONING: RA-30
LAND USE: EMPLOYMENT MIXED USE

JOSHUA SHANE CABE
PIN: 0653-57-7755
DB 3989 PG 0508
PL 2021 PG 123
AREA: 1.93 AC.
ZONING: RA-30
LAND USE: EMPLOYMENT MIXED USE

WILLIAM A. JOHNSON &
SHERRY A JOHNSON
PIN: 0653-67-0559
DB 1183 PG 0981
PL 2021 PG 123
AREA: 11.35 AC.
ZONING: RA-30
LAND USE: EMPLOYMENT MIXED USE

COPYRIGHT © 2022 BOBBITT DESIGN BUILD, INC. ALL RIGHTS RESERVED.



COORDINATOR:
Blair Pittman

DRAWN BY:
Narayan Nyaupane

CHK BY: BPP

NW HARNETT FIRE STATION 3

US HWY 401 N
FUQUAY-VARINA, NC 27526

24 X 36
1" = 40'

8 FEBRUARY 2022

21-0337
UTILITY PLAN

C4.0

SYMBOL LEGEND

	EXISTING	PROPOSED
WATER METER		
SANITARY SEWER MANHOLE		
CLEAN OUT		
POWER POLE		
LIGHT POLE		
FIRE HYDRANT		
WATER VALVE		
RECLAIMED WATER VALVE		
BLOWOFF ASSEMBLY		
TEMPORARY BENCHMARK		
EXISTING OVERHEAD ELECTRIC		
EX. SANITARY SEWER		
EX. WATER LINE		
SILT FENCE		
TREE PROTECTION FENCE		

- GENERAL NOTES: UTILITY PLAN**
1. BASE INFORMATION BY MAULDIN - WATKINS SURVEYING, P.A. OF P.O. BOX 444 / 139 N. MAIN ST., (919) 552-9326. OFF-SITE INFORMATION FROM HARNETT COUNTY GIS.
 2. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HARNETT COUNTY AND THE STATE OF NORTH CAROLINA STANDARDS AND SPECIFICATIONS.
 3. CONTRACTOR SHALL HAVE NORTH CAROLINA ONE CALL (1-800-632-4949) LOCATE ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
 4. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO BEGINNING CONSTRUCTION.
 5. CONTRACTOR SHALL COORDINATE THE LOCATION OF THE ELECTRIC, GAS, AND TELEPHONE SERVICE WITH THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL PROVIDE CONDUITS AS REQUIRED FOR THESE UTILITIES UNDER PAVED AREAS.
 6. CONTRACTOR SHALL COORDINATE THE LOCATION OF THE CONDUITS NECESSARY FOR THE IRRIGATION SYSTEM, SITE LIGHTING, AND SIGNAGE PRIOR TO BEGINNING CONSTRUCTION.
 7. THIS PLAN IS DIAGRAMMATIC AND REPRESENTS THE APPROXIMATE LOCATION OF UTILITIES UNLESS SPECIFICALLY DIMENSIONED. THE CONTRACTOR SHALL COORDINATE THE ACTUAL AND PROPOSED LOCATION OF UTILITIES TO AVOID CONFLICTS.
 8. REFER TO SHEET, NO. C6.0 FOR SITE LIGHTING PLAN (BY DUKE ENERGY)
 9. REFER TO SHEET, NO. C7.0 THRU C7.2 FOR SITE CONSTRUCTION DETAILS.
 10. CONTRACTOR SHALL COORDINATE THE LOCATION OF THE WATER AND SEWER SERVICE TO THE BUILDING WITH THE BUILDING PLUMBING CONTRACTOR AND THE BUILDING PLANS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
 12. ALL NEW UTILITY LINES (POWER, CABLE, ETC.) MUST BE UNDERGROUND.

CALL BEFORE YOU DIG!
NORTH CAROLINA LAW REQUIRES NOTIFICATION OF THE UNDERGROUND FACILITY OWNER NOT LESS THAN TWO (2) BUT NO MORE THAN TEN (10) WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION

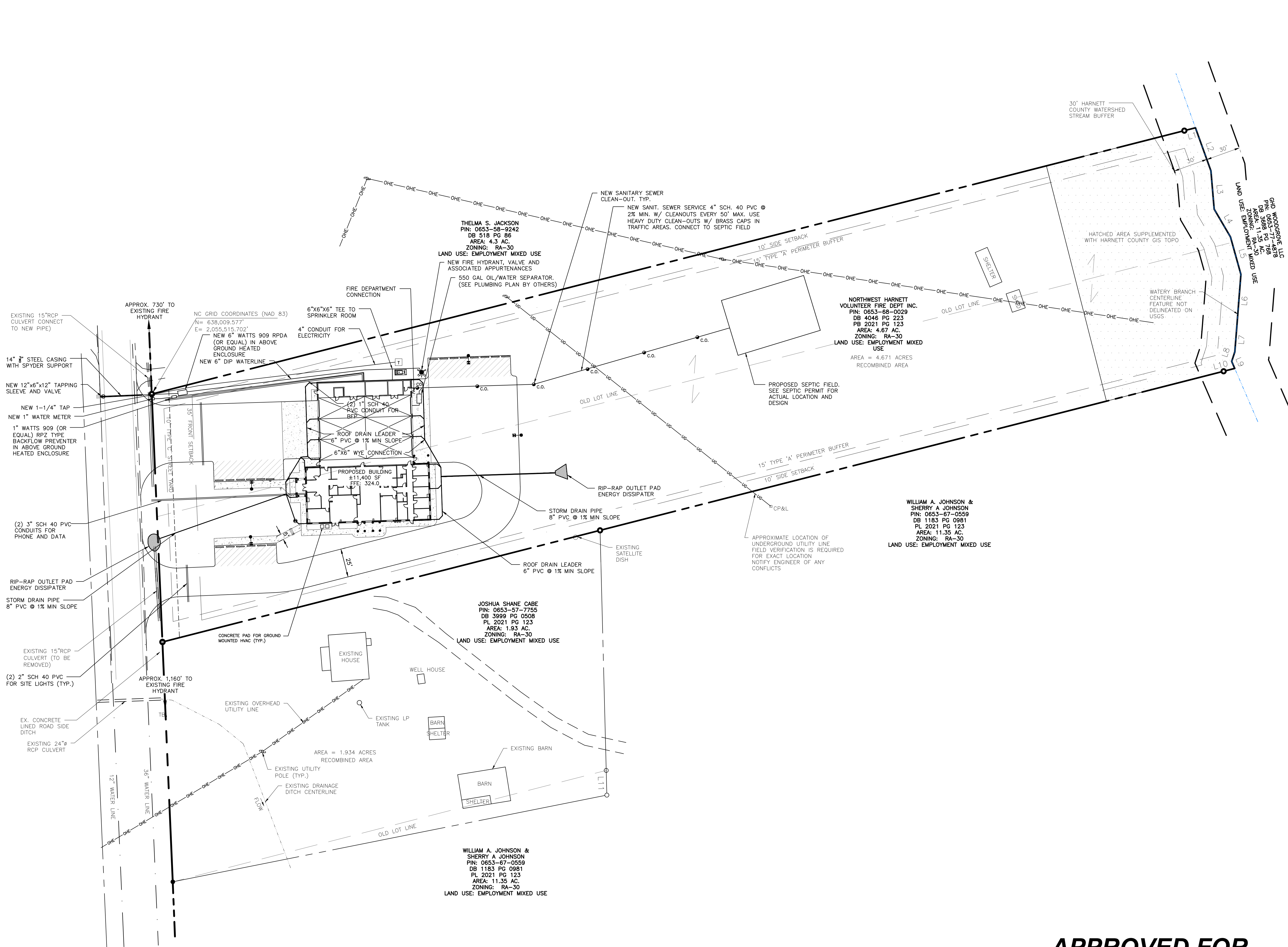
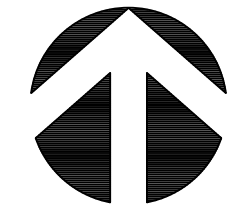
811 www.nc811.org
1-800-632-4949

North Carolina One-Call Center, Inc.

REVISIONS

No.	DATE	DESCRIPTION	REV. BY
▲			
▲			
▲			
▲			

APPROVED FOR PERMITTING
NOT FOR CONSTRUCTION



COPYRIGHT © 2022 BOBBITT DESIGN-BUILD, INC. ALL RIGHTS RESERVED.

FOR REVIEW AND COMMENT ONLY

NOT RELEASED FOR CONSTRUCTION



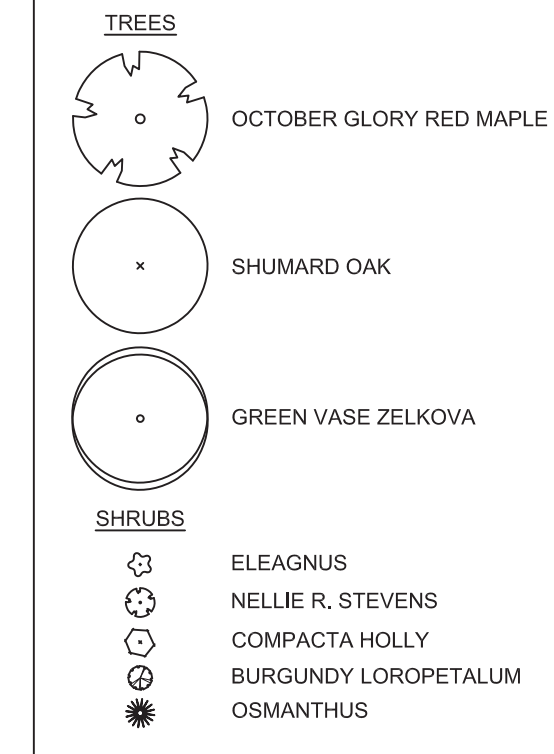
QUAN	KEY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
TREES					
26	ARO	Acer rubrum 'October Glory'	October Glory Red Maple	Min. 2" Cal.	Side Perimeter Buffer
10	QS	Quercus shumardii	Shumardii Oak	Min. 2" Cal.	Street Yard/Rear Perimeter Buffer
4	ZSG	Zelkova serrata 'Green Vase'	Green Vase Zelkova	Min. 2" Cal.	Parking Island
SHRUBS					
125	EP	Elaeagnus pungens	Elaeagnus	Min. 24" Ht.	Side Perimeter Buffer
13	ICC	Ilex crenata 'Compacta'	Compacta Holly	Min. 24" Ht.	Rear Parking Screening
7	INS	Ilex x 'Nellie R. Stevens'	Nellie Stevens Holly	Min. 6" Ht.	Transformer/Generator Screening
20	LRB	Loropetalum chinense rubrum 'Burgundy'	Burgundy Loropetalum	Min. 24" Ht.	Street Yard
26	OF	Osmanthus fragrans	Tea Olive	Min. 24" Ht.	Rear Perimeter Buffer

Note: All areas shown graded with no landscaping will be seeded. Refer to seeding the schedule on sheet C7.0
 Note: Plant material, and other landscape material as well as its installation will be to Harnett County Standards and Specifications

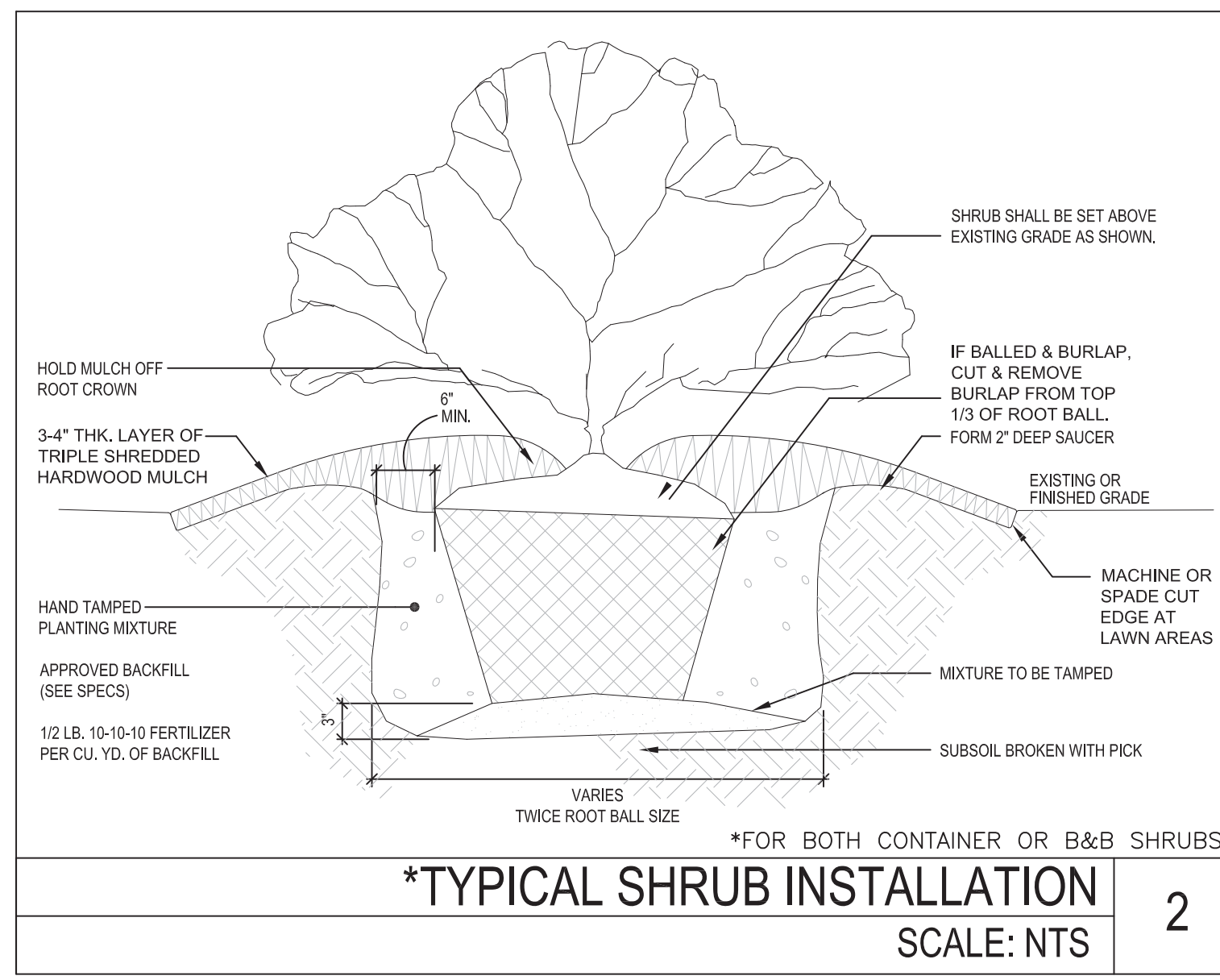
INTERIOR PARKING
 TOTAL PARKING SPACES = 20
 INTERIOR LANDSCAPE ISLANDS REQUIRED = 20/10 = 2
 INTERIOR LANDSCAPE ISLANDS PROVIDED = 4 (WITH 4 TREES)

PERIMETER BUFFER
 ALL BUFFER TYPES SHALL INCLUDE:
 1. A STAGGERED ROW OF LARGE MATURING TREES, SPACED NOT MORE THAN 30 FEET APART
 TYPE A BUFFER
 A ROW OF EVERGREEN SHRUBS PLACED NOT MORE THAN FOUR (4) TO SIX (6) FEET APART WHICH WILL GROW TO FORM A CONTINUOUS HEDGE OF AT LEAST SIX (6) FEET IN HEIGHT WITHIN TWO (2) YEARS OF PLANTING
 TYPE C BUFFER
 FIVE (5) LOW GROWING SHRUBS FOR EVERY REQUIRED LARGE MATURING TREE.

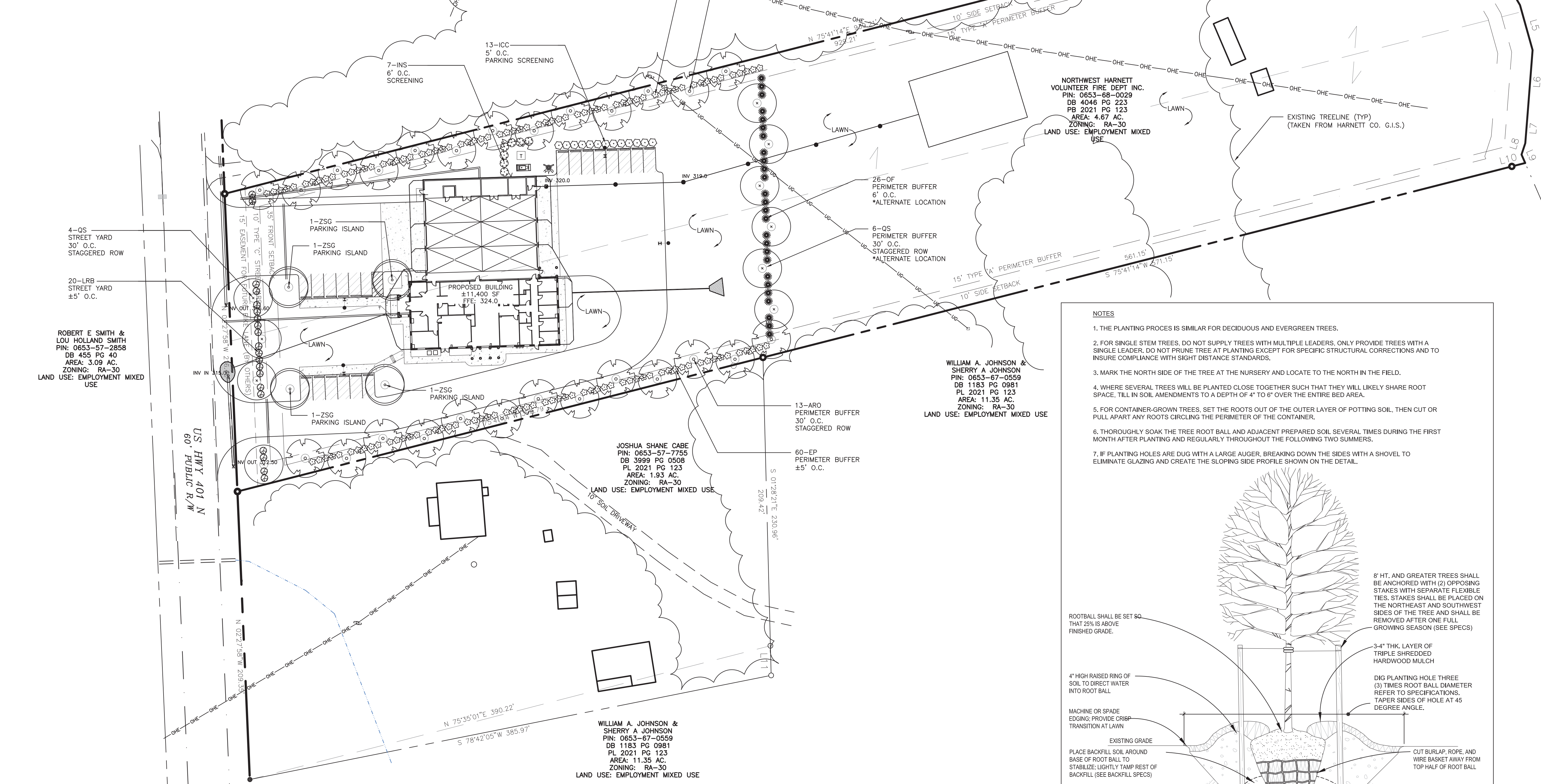
LANDSCAPE LEGEND



GHD WOODGROVE LLC
 PIN: 0653-77-4878
 DB 3688 PG 768
 AREA: 11.35 AC.
 ZONING: RA-30
 LAND USE: EMPLOYMENT MIXED USE



***TYPICAL SHRUB INSTALLATION**
 SCALE: NTS



THELMA S. JACKSON
 PIN: 0653-58-9242
 DB 518 PG 86
 AREA: 4.3 AC.
 ZONING: RA-30
 LAND USE: EMPLOYMENT MIXED USE

NORTHWEST HARNETT VOLUNTEER FIRE DEPT INC.
 PIN: 0653-68-0029
 DB 4046 PG 223
 PB 2021 PG 123
 AREA: 4.67 AC.
 ZONING: RA-30
 LAND USE: EMPLOYMENT MIXED USE

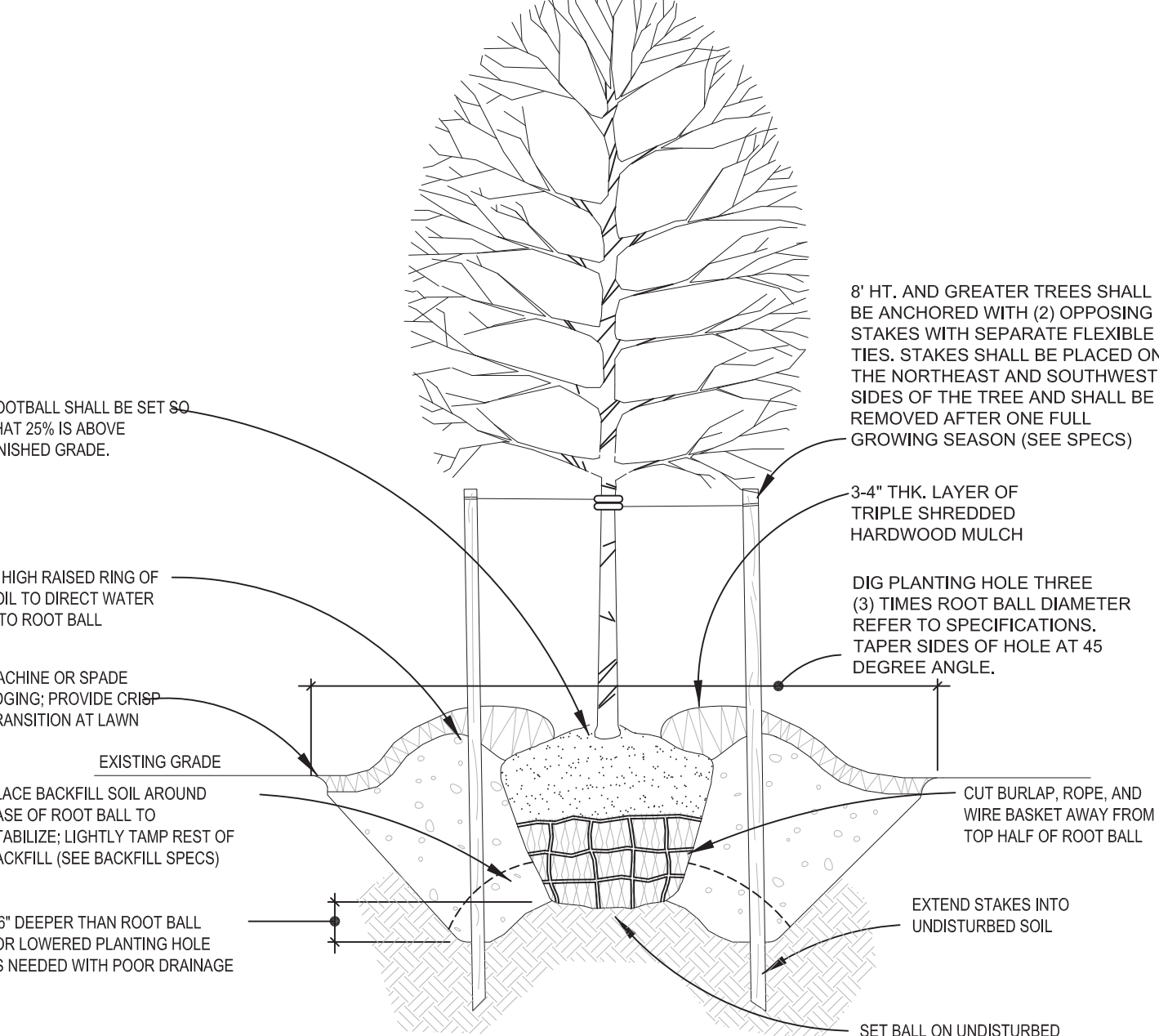
WILLIAM A. JOHNSON & SHERRY A. JOHNSON
 PIN: 0653-67-0559
 DB 1183 PG 0981
 PL 2021 PG 123
 AREA: 11.35 AC.
 ZONING: RA-30
 LAND USE: EMPLOYMENT MIXED USE

JOSHUA SHANE CABE
 PIN: 0653-57-7755
 DB 3999 PG 0908
 PL 2021 PG 123
 AREA: 1.93 AC.
 ZONING: RA-30
 LAND USE: EMPLOYMENT MIXED USE

WILLIAM A. JOHNSON & SHERRY A. JOHNSON
 PIN: 0653-67-0559
 DB 1183 PG 0981
 PL 2021 PG 123
 AREA: 11.35 AC.
 ZONING: RA-30
 LAND USE: EMPLOYMENT MIXED USE

NOTES

1. THE PLANTING PROCES IS SIMILAR FOR DECIDUOUS AND EVERGREEN TREES.
2. FOR SINGLE STEM TREES, DO NOT SUPPLY TREES WITH MULTIPLE LEADERS, ONLY PROVIDE TREES WITH A SINGLE LEADER, DO NOT PRUNE TREE AT PLANTING EXCEPT FOR SPECIFIC STRUCTURAL CORRECTIONS AND TO INSURE COMPLIANCE WITH SIGHT DISTANCE STANDARDS.
3. MARK THE NORTH SIDE OF THE TREE AT THE NURSERY AND LOCATE TO THE NORTH IN THE FIELD.
4. 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" TO 6" OVER THE ENTIRE BED AREA.
5. FOR CONTAINER-GROWN TREES, SET THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL, THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
6. THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
7. IF PLANTING HOLES ARE DUG WITH A LARGE AUGER, BREAKING DOWN THE SIDES WITH A SHOVEL TO ELIMINATE GLAZING AND CREATE THE SLOPING SIDE PROFILE SHOWN ON THE DETAIL.



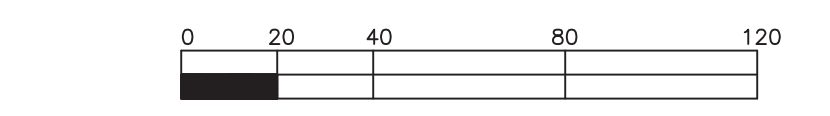
*** TYPICAL TREE INSTALLATION**
 SCALE: NTS

GENERAL LANDSCAPE NOTES

1. ALL PLANT MATERIALS AND PLANTING BEDS SHALL BE LOCATED BY SCALED DIMENSIONS FROM BUILDINGS, CURBS, PAVEMENTS, ETC. LOCATION OF ALL PLANTS SHALL BE REVIEWED IN THE FIELD BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE FOR REVIEW.
2. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION OR PLANTING AND SHALL BE RESPONSIBLE FOR THEIR REPAIR OR PAY FOR ALL DAMAGES MADE TO UNDERGROUND UTILITIES.
3. THE LANDSCAPE CONTRACTOR SHALL VERIFY ALL PLANT QUANTITIES.
4. THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED IN WRITING OF ANY PROPOSED PLANT SUBSTITUTIONS BY THE LANDSCAPE CONTRACTOR. NO SUBSTITUTIONS SHALL BE MADE UNDER ANY CIRCUMSTANCES WITHOUT PRIOR APPROVAL BY THE LANDSCAPE ARCHITECT.
5. ALL DISTURBED AREAS NOT IDENTIFIED TO EITHER BE SEEDED OR SOODED SHALL BE MULCHED IN ACCORDANCE WITH THE SPECIFICATIONS.
6. A PRE-EMERGENT HERBICIDE SHALL BE APPLIED TO ALL PLANTING BEDS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
7. ALL PLANTING BEDS, SAUCERS, AND AREAS DESIGNATED TO BE MULCHED SHALL BE MULCHED WITH A MINIMUM OF 3-INCHES OF TRIPLE SHREDDED HARDWOOD MULCH.
8. PLANTING BEDS AND SAUCERS SHALL BE EDGED TO PROVIDE A 2" TO 3" DEEP "V" CUT ALONG ITS BORDER WITH SOODED OR SEEDED AREAS.
9. ALL SAUCERS SHALL BE SOAKED WITH WATER AND MULCHED IMMEDIATELY FOLLOWING PLANTING.
10. GIVING SHALL BE REMOVED AFTER ONE FULL GROWING SEASON.
11. THE LANDSCAPE CONTRACTOR SHALL INSTALL ALL LANDSCAPING IN ACCORDANCE WITH THE DETAILS AND SPECIFICATIONS SHOWN AND ENUMERATED ON THIS SHEET UNLESS ALTERNATIVE METHODS OR PRACTICES ARE REVIEWED AND ACCEPTED BY THE LANDSCAPE ARCHITECT.
12. AT INSTALLATION AND CONTINUOUSLY DURING THE MAINTENANCE CONTRACT, ALL PROPOSED SHRUBS THAT ARE SQUARE IN SHAPE AND ARRANGED IN ROWS, SHOULD BE PRUNED INTO BOXED AND CLIPPED HEDGEROWS.
13. ALL LANDSCAPED AREAS SHALL BE MAINTAINED IN AN ATTRACTIVE AND HEALTHY CONDITION. DEAD OR DISEASED PLANTINGS SHALL BE REMOVED AND REPLACED IN A TIMELY FASHION

LANDSCAPE NOTES
 SCALE: NTS

CALL BEFORE YOU DIG!
 NORTH CAROLINA LAW REQUIRES NOTIFICATION OF THE UNDERGROUND FACILITY OWNER NOT LESS THAN TWO (2) BUT NO MORE THAN TEN (10) WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION
 NORTH CAROLINA 811 www.nc811.org
 1-800-632-4949
 North Carolina One-Call Center, Inc.



REVISIONS

No.	DATE	DESCRIPTION	REV. BY

think, design, build

TALMAGE MARK HALL, P.L.L.C.
 PROFESSIONAL LANDSCAPE ARCHITECT

BOBBITT
 DESIGN · BUILD
 6650 Cameron Hwy, Suite 103
 Fuquay-Varina, NC 27093
 PH: (919) 851-9980 | FX: (919) 851-9182 | E: bob@bobbittfirm.com

COORDINATOR: Blair Pittman

DRAWN BY: Talmage Mark Hall

CHK BY: BPP

NW HARNETT FIRE STATION 3
 US HWY 401 N
 FUQUAY-VARINA, NC

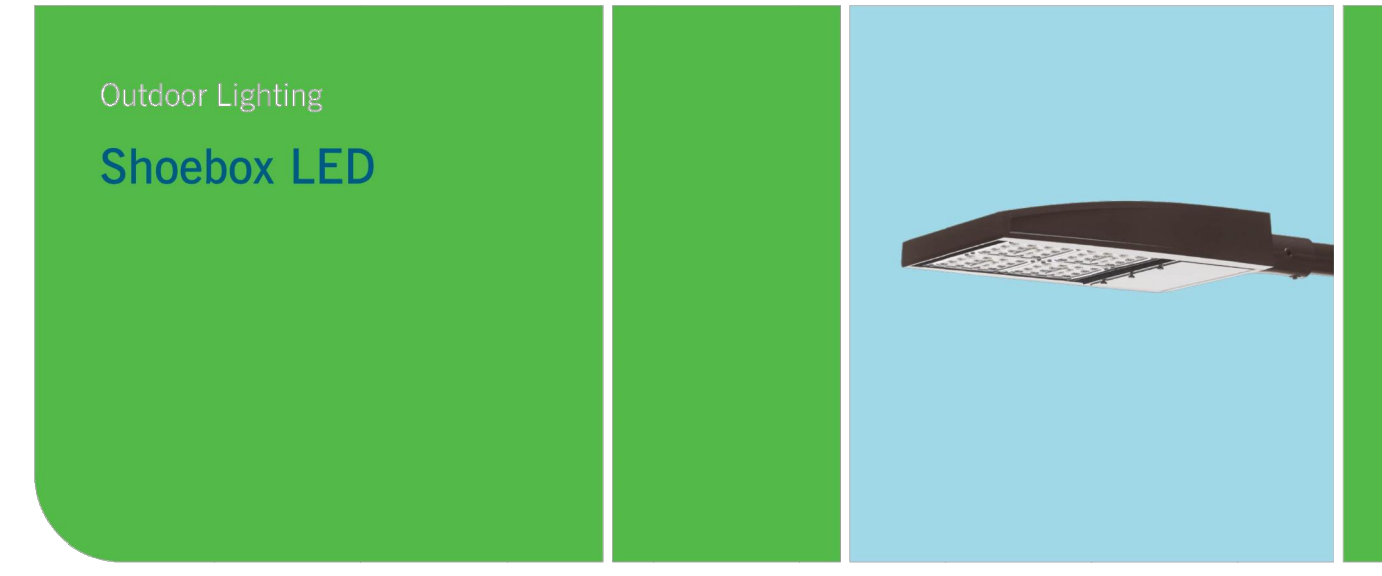
24 X 36
 1" = 40'

9 FEBRUARY 2022

21-0337

LANDSCAPE PLAN

C5.0



Outdoor Lighting Shoebos LED

The energy-efficient Shoebox LED combines a decorative, contemporary style with versatility and ample lighting effect that is perfect for streets, parking lots, commercial buildings and residential communities. The Shoebox LED provides excellent color rendition along with a controlled light pattern that reduces glare and keeps the light directed only where you want it. Available in black, dark bronze, gray or white with one to four fixtures per pole.

- LED (Light Emitting Diode) 150, 220, 420, 530 watts
- Mounting heights 25', 30', 35'
- Colors Black, Bronze, Gray, White
- Poles Fiberglass (1 or 2 fixtures per pole), Decorative tapered metal, Decorative square metal
- Note: 35' pole available in black or bronze only.

For additional information, visit us at duke-energy.com/OutdoorLighting or call us toll free at 866.759.6417.



Outdoor Lighting Shoebos LED

Light source: LED (white)
 Replacement for: LED Wattle 150 – 250-watt HPS and metal halide;
 LED Wattle 205 – up to 400-watt metal halide;
 LED Wattle 530 – 1,000-watt metal halide

Warm-up and restrike time: Instant on (no warm-up or restrike time)

Wattage	BUG Rating	Light Pattern	Lumens	Color Temp
LED 150	B5-U0-G3	IESNA Type V (circular)	19580	4,000K
LED 150	B3-U0-G4	IESNA Type IV (forward throw)	18459	
LED 150	B2-U0-G3	IESNA Type III (oval)	19006	
LED 220	B5-U0-G3	IESNA Type IV (circular)	25870	
LED 220	B3-U0-G4	IESNA Type IV (forward throw)	24390	
LED 220	B2-U0-G4	IESNA Type III (oval)	25114	
LED 420	B5-U0-G5	IESNA Type V (circular)	48514	
LED 420	B3-U0-G5	IESNA Type IV (forward throw)	43765	
LED 530	B5-U0-G5	IESNA Type V (circular)	60296	
LED 530	B3-U0-G5	IESNA Type IV (forward throw)	54395	

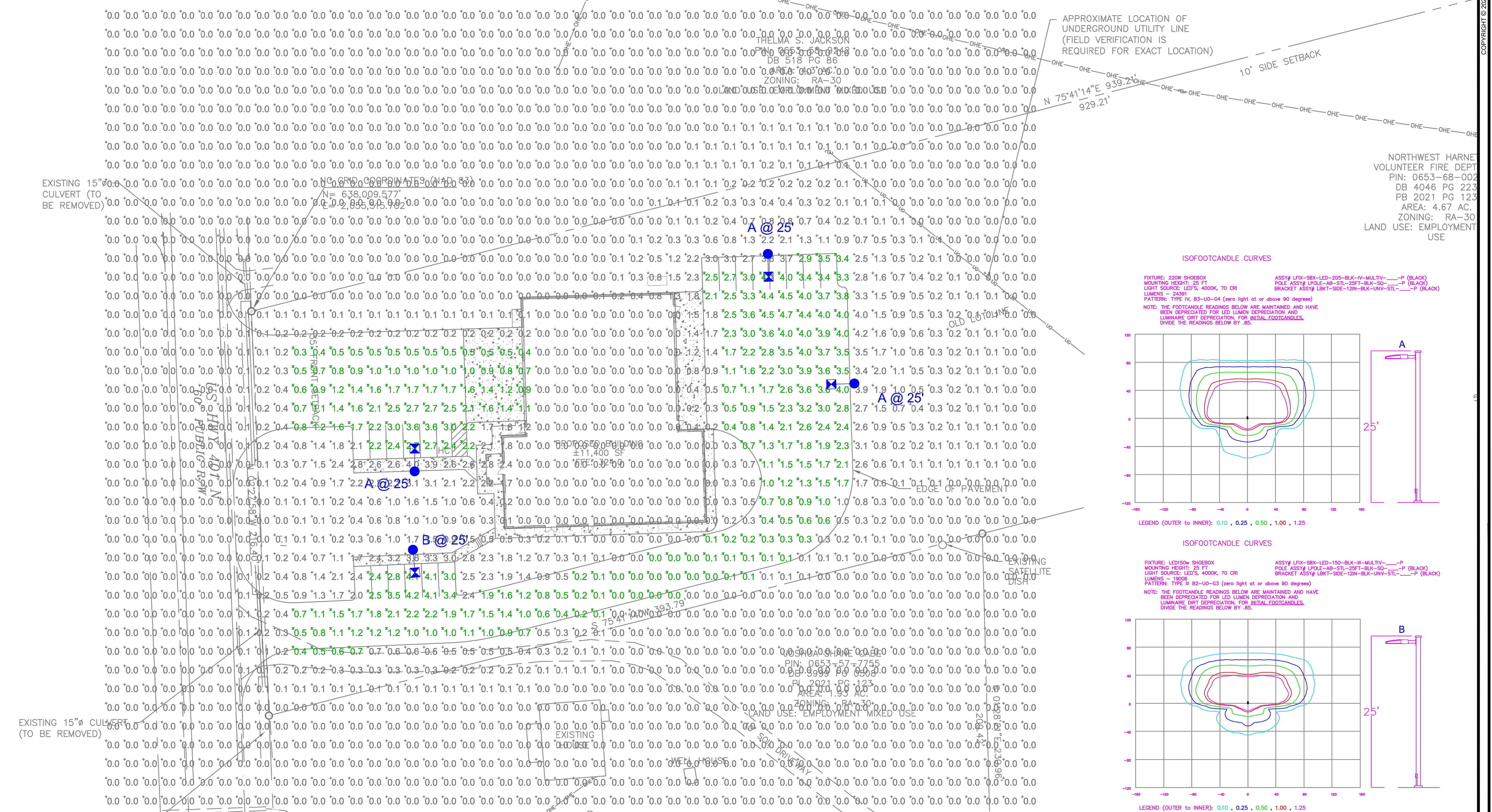
* These are approximate replacement suggestions; actual conditions could be different.

Poles available:

Name	Mounting height	Color
Round tapered decorative metal*	35'	Black, Bronze
Decorative square metal*	25' and 30'	Black, Bronze, Gray, White
Fiberglass	30'	Black (1 or 2 fixtures per pole), Gray (1 or 2 fixtures per pole)

Features	Benefits
Little or no installation cost	Frees up capital for other projects
Design services by lighting professionals included	Meets industry standards and lighting ordinances
Maintenance included	Eliminates high and unexpected repair bills
Electricity included	Less expensive than metered service
Warranty included	Worry-free
One low monthly cost on your electric bill	Convenience and savings for you
Turnkey operation	Provides hassle-free installation and service
Backed by over 40 years of experience	A name you can trust today ... and tomorrow

*2" raised foundation available when required on metal poles only.

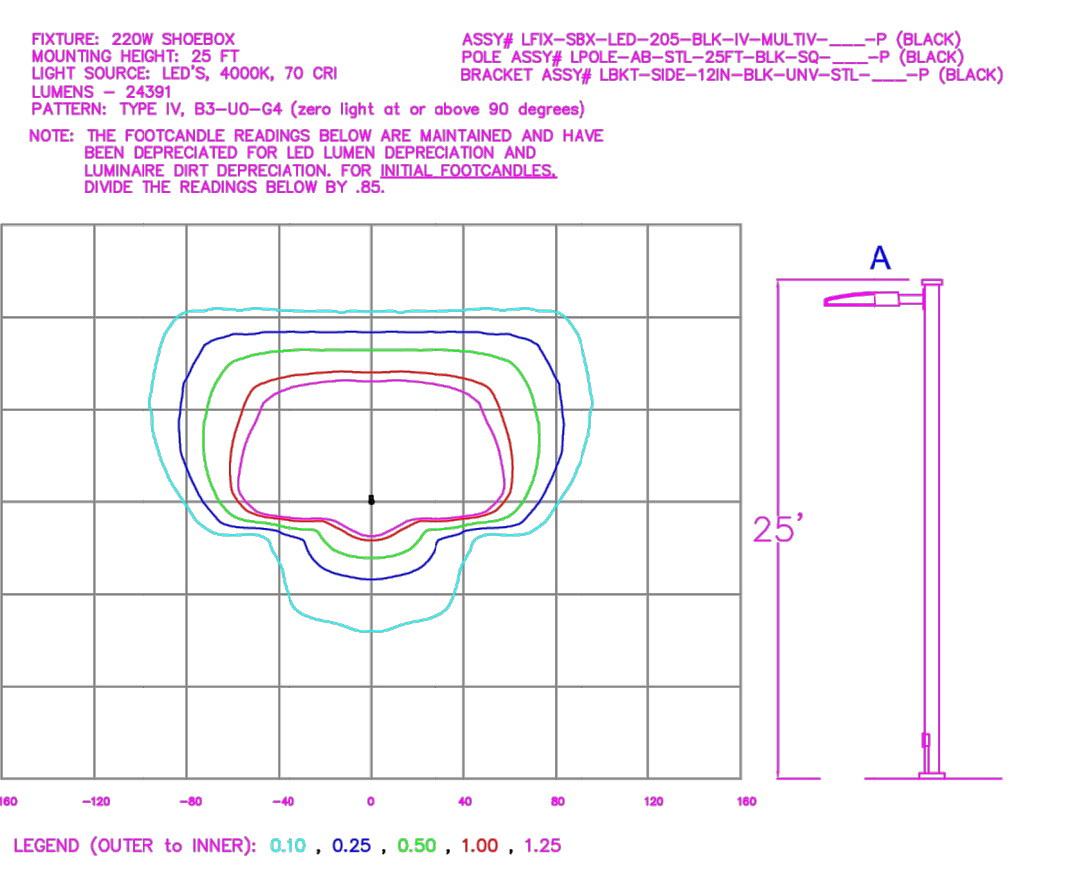


EXISTING 15" Ø CULVERT (TO BE REMOVED)

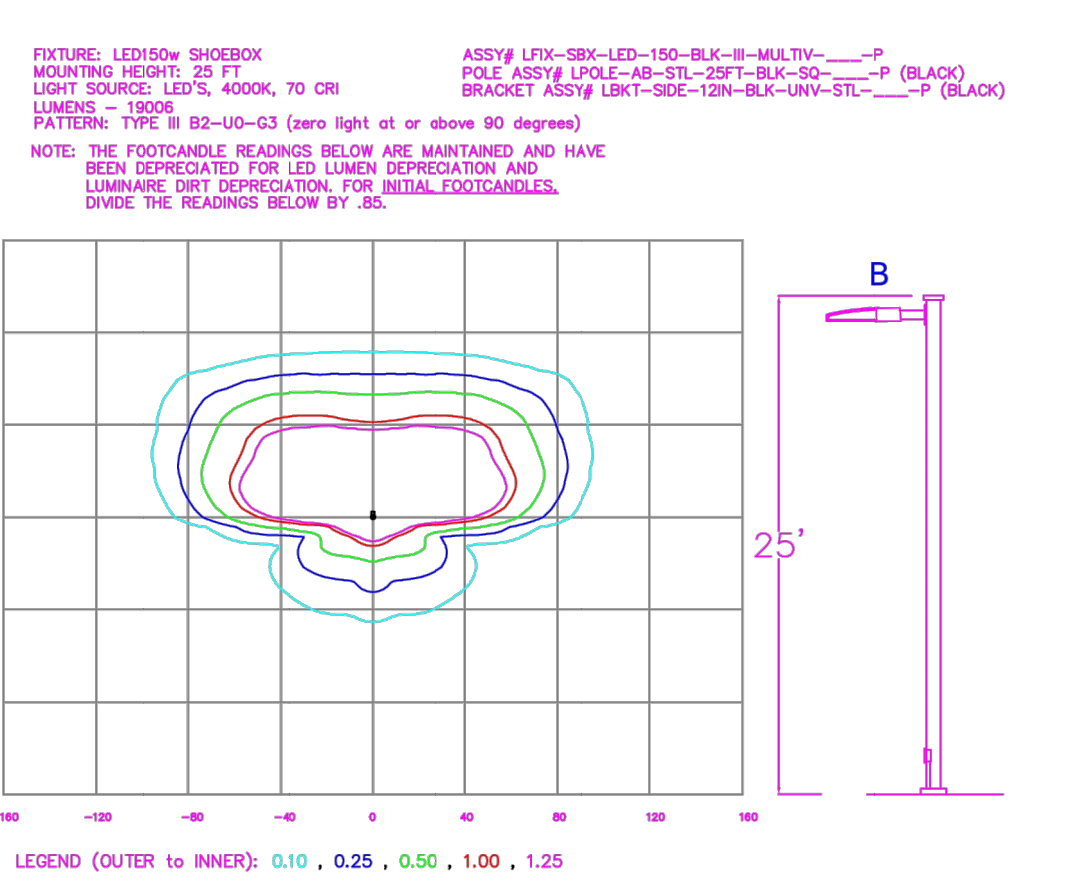
N= 638,009.577
E= 935,045.966

NORTHWEST HARNE VOLUNTEER FIRE DEPT
 PIN: 0653-68-002
 DB 4046 PG 223
 PB 2021 PG 123
 AREA: 4.67 AC.
 ZONING: RA-30
 LAND USE: EMPLOYMENT USE

ISOFOOTCANDLE CURVES



ISOFOOTCANDLE CURVES



Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking	✕	1.7 fc	4.7 fc	0.0 fc	N/A	N/A

Schedule

Symbol	Label	Quantity	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor
A	A	3	LED 220w Shoebos - Type IV - 4000K	64	381	0.85
B	B	1	LED 150w Shoebos - Type III - 4000K	48	396	0.85

APPROVED FOR PERMITTING NOT FOR CONSTRUCTION

LIGHTING DESIGN TOLERANCE

The calculated footcandle light levels in this lighting design are predicted values and are based on specific information that has been supplied to Duke Energy. Any inaccuracies in the supplied information, differences in luminaire installation, lighted area geometry including elevation differences, reflective properties of surrounding surfaces, obstructions (foliage or otherwise) in the lighted area, or lighting from sources other than listed in this design may produce different results from the predicted values. Normal tolerances of voltage, lamp output, and ballast and luminaire manufacture will also affect results.

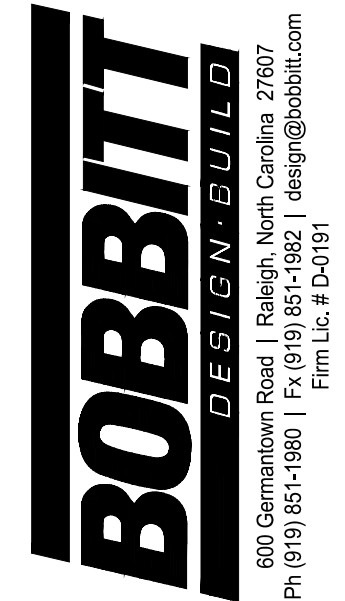
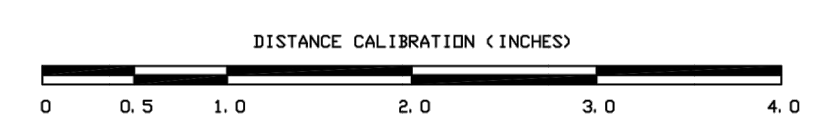


PROPRIETARY & CONFIDENTIAL

This document together with the concepts and designs presented herein, presented as an instrument of service, is the sole property of Duke Energy and is intended only for the specific purpose and prospective client as stated in the title block of this drawing. Any use, copying, reproduction or disclosure of the drawing, design or any information contained herein by the prospective customer or other entities, including without limitation, architects, engineers, or equipment manufacturers is hereby expressly prohibited and shall not be permitted absent prior written consent from, and payment of compensation to Duke Energy. Duke Energy disclaims any liability or responsibility for any unauthorized use of or reliance on this document.

NW HARNETT FIRE STATION
 Harnett County, NC
 SITE LIGHTING PLAN
 Designed by DEP LIGHTING SOLUTIONS
 Reviewed by I. Ferguson Scale: 1" = 30'
 Date 01/06/2022 Size "Arch D"
 Description LED 150w & 220w Shoebos
 Drawing No. 22-0004A Sht. 1 OF 1

REV#	DATE	REVISION	BY	Customer approval Date
Rev A	01/06/22	LED Shoebos - Black	NJ	



COORDINATOR: Blair Pittman
 DRAWN BY: Narayan Nyaupane
 CHK BY: BPP

NW HARNETT FIRE STATION 3
 US HWY 401 N
 FUQUAY-VARINA, NC 27526

24 X 36
 8 FEBRUARY 2022
 21-0337
 LIGHTING PLAN
 C6.0

SEEDING SCHEDULE SHOULDERS, SIDE DITCHES, SLOPES (MAX. 3:1)

Table with columns: DATE, TYPE, PLANTING RATE. Rows include TALL FESCUE, HULLED COMMON BERMU DAGGRASS, TALL FESCUE AND BROWNTOP MILLET, TALL FESCUE AND SORGHUM-SUDAN HYBRIDS.

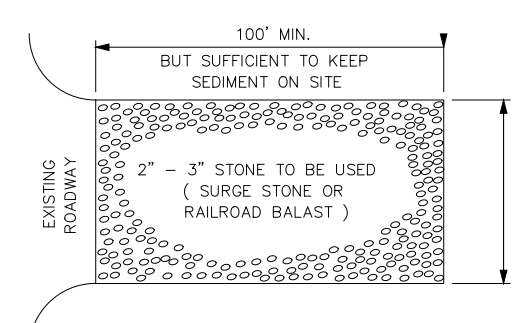
SLOPES (3:1 TO 2:1)

Table with columns: DATE, TYPE, PLANTING RATE. Rows include SERICIA LESPEDEZA (SCARIFIED), SERICIA LESPEDEZA (SCARIFIED) AND WEEPING LOVEGRASS, BROWNTOP MILLET, SERICIA LESPEDEZA (UNHULLED-UNSCARIFIED) AND TALL FESCUE, ADD ABRUZZI RYE.

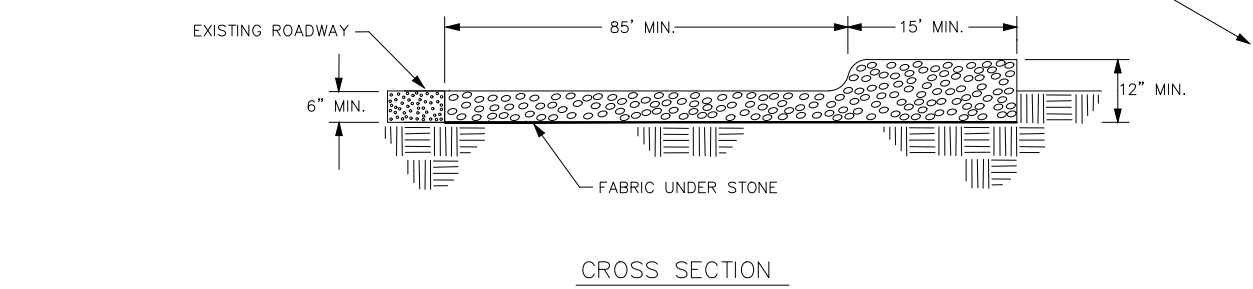
CONSULT CONSERVATION ENGINEER OR SOIL CONSERVATION SERVICE FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENUDED AREAS. THE ABOVE VEGETATION RATES ARE THOSE WHICH DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE...

SEEDBED PREPARATION

- 1. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE.
2. RIP THE ENTIRE AREA TO 6 INCHES DEEP.
3. REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
4. APPLY AGRICULTURAL LIME, FERTILIZER AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL (SEE BELOW).
5. CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLE UNIFORM SEEDBED IS PREPARED 4 TO 6 INCHES DEEP.
6. SEED ON A FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTRIPACK AFTER SEEDING.
7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
8. INSPECT ALL SEEDING AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE OVER 60% DAMAGE, REESTABLISH FOLLOWING ORIGINAL LIME, FERTILIZER AND SEEDING RATES.
9. CONSULT CONSERVATION INSPECTOR ON MAINTENANCE TREATMENT AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.
APPLY: AGRICULTURAL LIMESTONE - 2 TONS/ACRE (3 TONS/ACRE IN CLAY SOILS)
FERTILIZER - 1,000 LBS/ACRE - 10-10-10
SUPERPHOSPHATE - 500 LBS/ACRE - 20%
MULCH - 2 TONS/ACRE - SMALL GRAIN STRAW
ANCHOR - ASPHALT EMULSION @ 400 GAL./ACRE



- NOTES:
1. PUT SILT FENCE OR TREE PROTECTION FENCE UP TO ENSURE CONSTRUCTION ENTRANCE IS USED.
2. IF CONSTRUCTION ON THE SITE IS SUCH THAT THE MUD IS NOT REMOVED BY THE VEHICLE TRAVELING OVER THE STONE, THEN THE TIRES OF THE VEHICLE MUST BE WASHED BEFORE ENTERING THE PUBLIC ROAD.
3. IF A PROJECT CONTINUES TO PULL MUD AND DEBRIS ON TO THE PUBLIC ROAD, THE GOVERNING AUTHORITY WILL CLEAN THE AREA AND INVOKE THE FINANCIALLY RESPONSIBLE PERSON AS INDICATED ON THE FINANCIAL RESPONSIBILITY FORM.

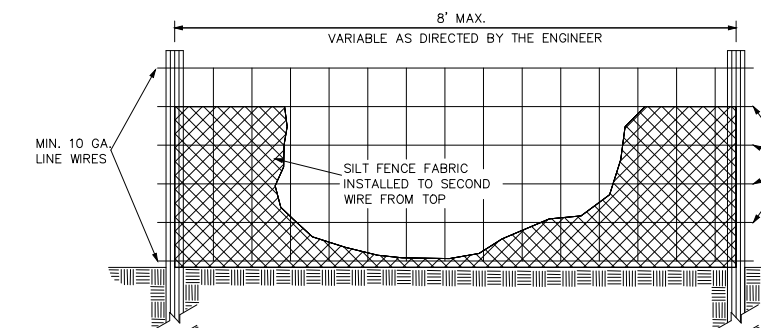


CONSTRUCTION ENTRANCE

N.T.S.

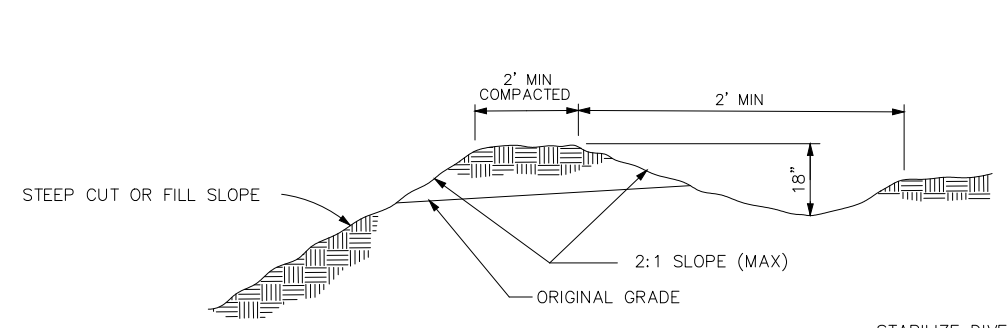
STANDARD TEMPORARY SILT FENCE

N.T.S.



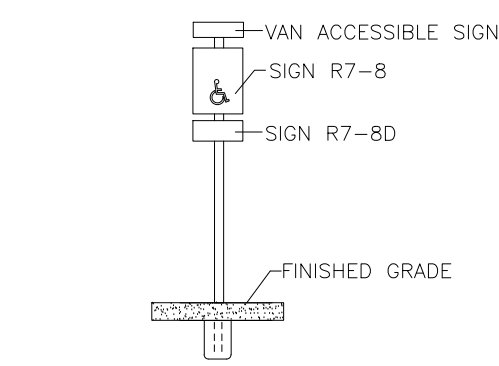
NOTES:

- END OF SILT FENCE SHOULD BE TYPED UPHILL.
SEE A.C. STATE LOW PRACTICE STANDARDS & SPECIFICATIONS FOR SILT FENCE FABRIC TO BE USED.
FABRIC MUST BE WASHED BEFORE ENTERING THE PUBLIC ROAD.
FOR REPAIR OF SILT FENCE, MIN. 1/2" WASHED STONE SHOULD BE USED.
FOR ANCHOR WHEN SILT FENCE IS PROTECTING ANOTHER PROJECT, THE STONE SHOULD BE AT A MINIMUM OF 12" EXTENSIVE TO THE SILT FENCE.
THE ANCHOR GRADE AT THE DIRECTION OF FLOW & BETWEEN 60 - 45 DEGREES.



DIVERSION DITCH

N.T.S.

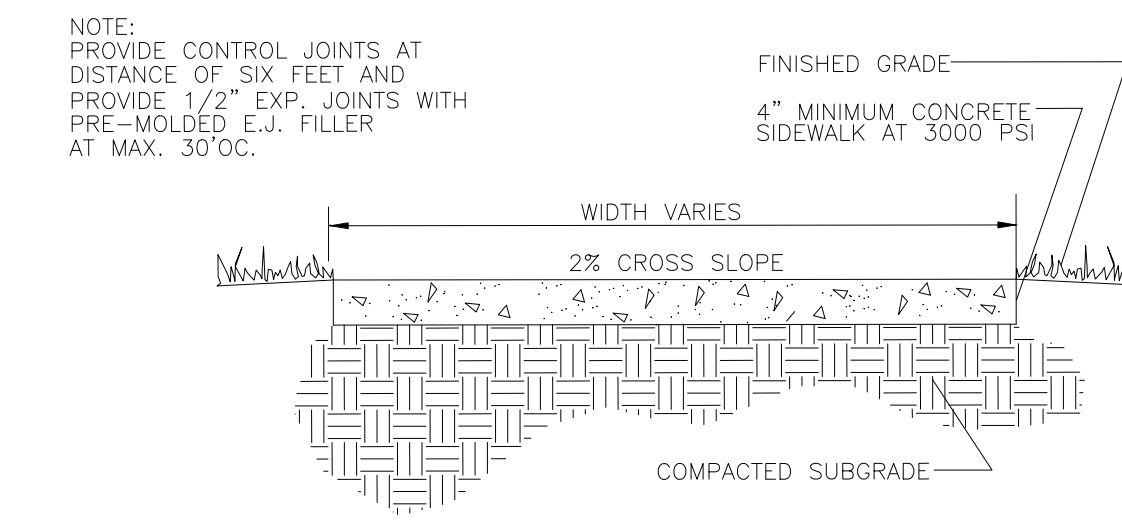


COLORS LEGEND AND BORDER-GREEN BACKGROUND WHITE. R7-8 SIGN. R7-8D SIGN. VAN ACCESSIBLE SIGN.

- 1. SIGN APPROVED FOR USE UNDER GENERAL STATUTE 20-37.8.
2. FOR THIS APPLICATION, THE SIGN MAY BE MOUNTED ON A POST, THE BUILDING FACE, A COLUMN OR ANY OTHER FIXED MOUNTING SURFACE.
NOTE: BEGINNING JAN. 1, 1999 ALL ACCESSIBLE PARKING SPACES (INCLUDING THOSE SPACES EXISTING PRIOR TO JULY 1993) SHALL BE REQUIRED BY GENERAL STATUTE TO BE IDENTIFIED BY AN R7-8 OR R7-8A SIGN.

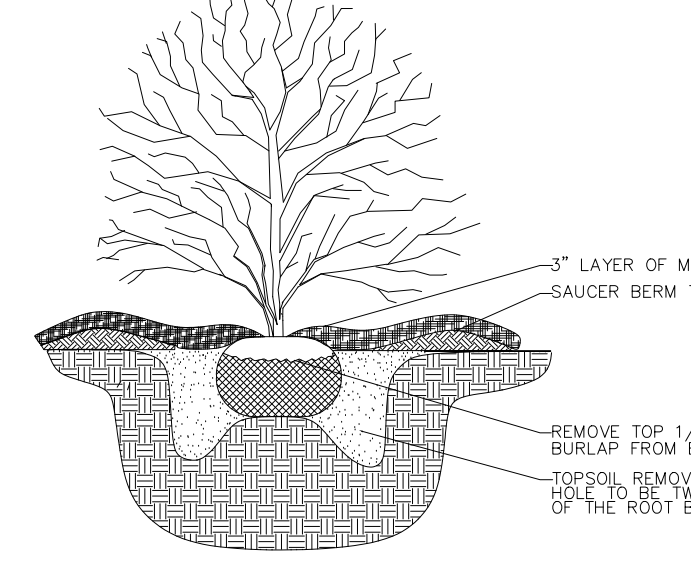
R7-8, R7-8D & VAN ACCESSIBLE SIGN

N.T.S.



CONCRETE SIDEWALK

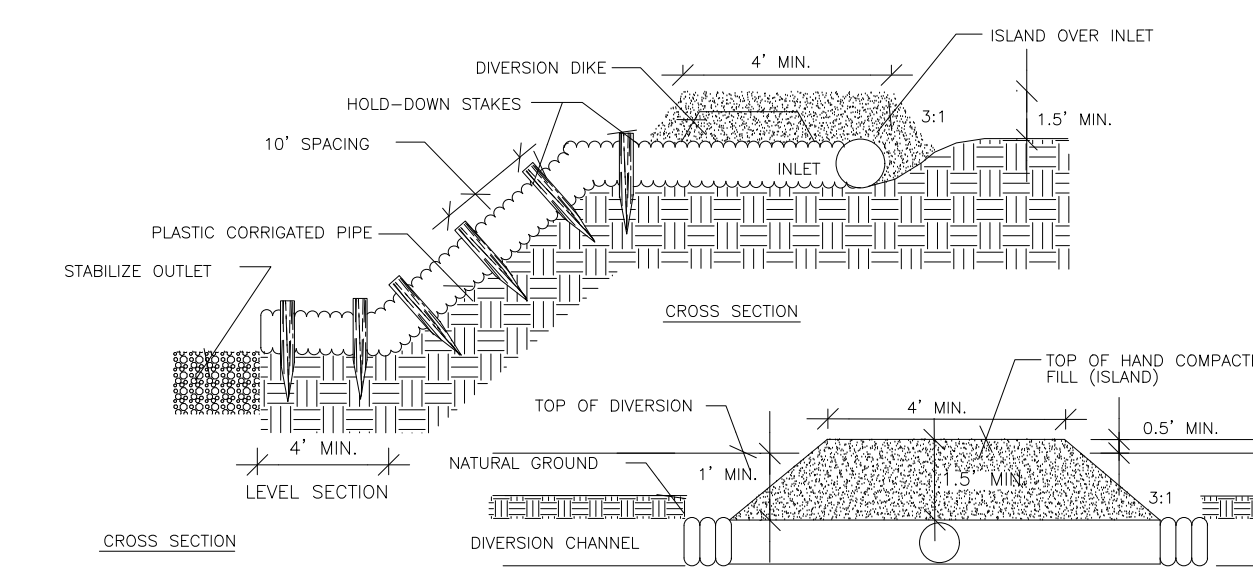
N.T.S.



- NOTES:
REMOVE ALL STRONG OR WIRE FROM BASE OF SHRUB.
SCAFFY THE ROOT BALL OF ALL CONTAINER GROWN PLANTS.

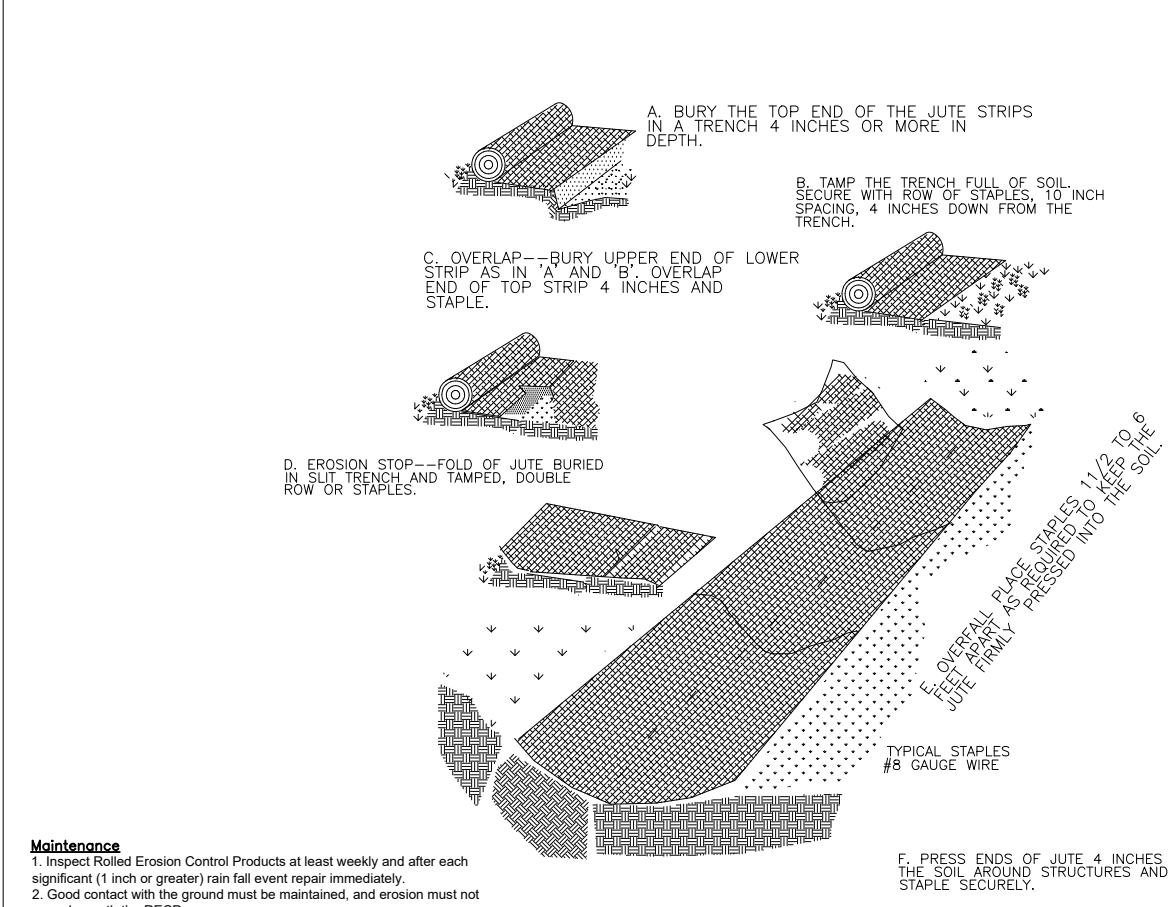
PLANTING - SHRUB BED PLANTING

N.T.S.



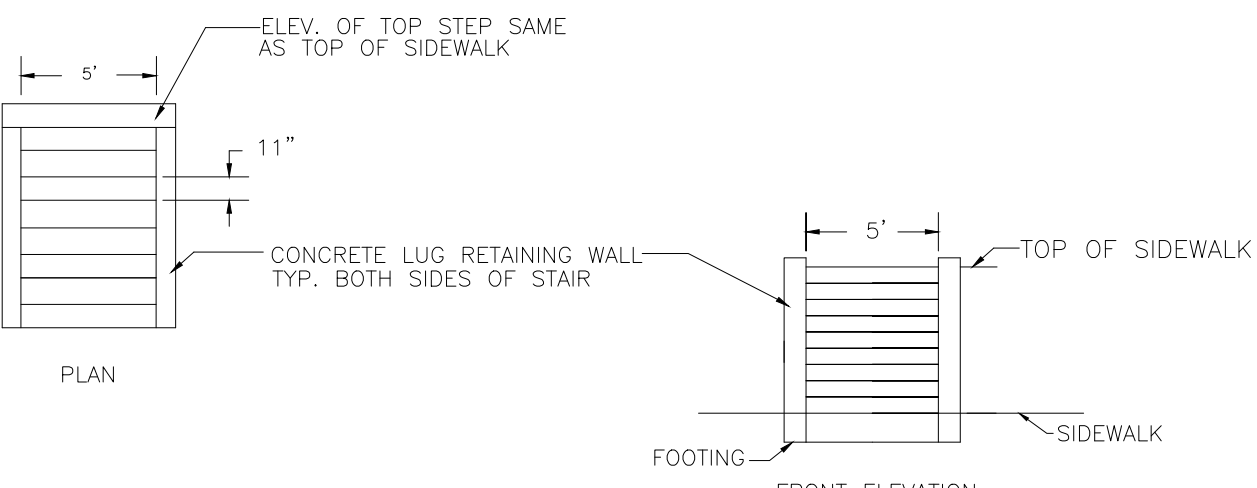
TEMPORARY SLOPE DRAIN

N.T.S.



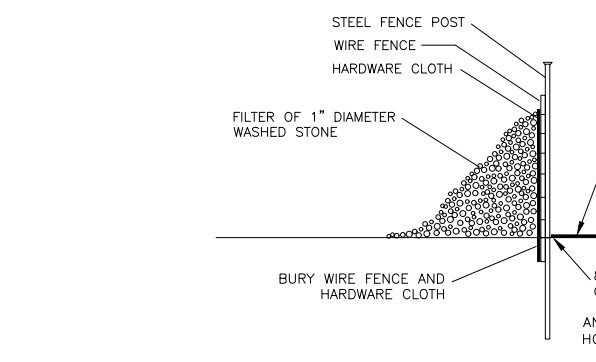
TYPICAL JUTE MAT DETAIL

N.T.S.



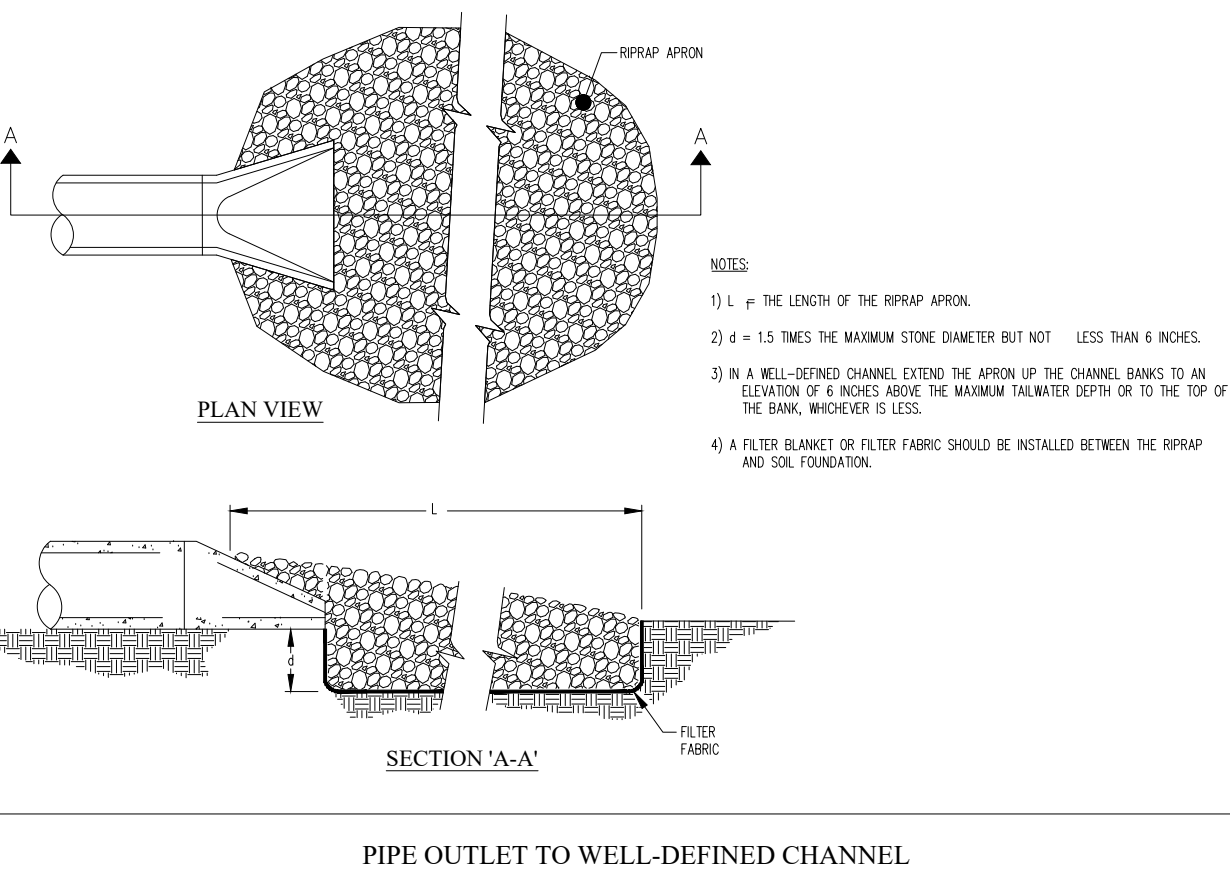
CONCRETE STAIR

N.T.S.



SILT FENCE OUTLET

N.T.S.



PIPE OUTLET TO WELL-DEFINED CHANNEL

N.T.S.

Table of EROSION CONTROL MAINTENANCE with columns for Maintenance Type and Description. Includes Temporary Silt Fence Maintenance, Temporary Construction Entrance Maintenance, Temporary Diversion Ditch Maintenance, Temporary Rock Check Dam Maintenance, Skimmer Sediment Basin Maintenance, Permanent Outlet Stabilization Maintenance, and Permanent Grassed Swale Maintenance.

EROSION CONTROL MAINTENANCE

CONTACT PERSON RESPONSIBLE FOR MAINTENANCE: BLAIR PITTMAN, PE (919) 851-1980. CALL BEFORE YOU DIG! NORTH CAROLINA LAW REQUIRES NOTIFICATION OF THE UNDERGROUND FACILITY OWNER NOT LESS THAN TWO (2) BUT NO MORE THAN TEN (10) WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION.

CALL BEFORE YOU DIG! NORTH CAROLINA LAW REQUIRES NOTIFICATION OF THE UNDERGROUND FACILITY OWNER NOT LESS THAN TWO (2) BUT NO MORE THAN TEN (10) WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION. www.nc811.org 1-800-632-4949

Table with columns: No., DATE, DESCRIPTION, REV. BY. Used for tracking design revisions.

APPROVED FOR PERMITTING
NOT FOR CONSTRUCTION

BOBBITT DESIGN-BUILD logo and contact information: 600 Germantown Road, Raleigh, North Carolina 27607. Phone: (919) 851-1980. Fax: (919) 851-1982. Email: design@bobbitt.com. Firm Lic. # D0191.

COORDINATOR: Blair Pittman

DRAWN BY: Narayan Nyaupane

CHK BY: BPP

NW HARNETT FIRE STATION 3
US HWY 401 N
FUQUAY-VARINA, NC 27526

24 X 36

8 FEBRUARY 2022

21-0337

DETAILS

C7.0

BOBBITT
DESIGN-BUILD

600 Germantown Road | Raleigh, North Carolina 27607
PH (919) 651-1800 | Fax (919) 651-8391 | Email: bob@bobbitt.com

COORDINATOR:
Blair Pittman

DRAWN BY:
Narayan Nyaupane

CHK BY: BPP

NW HARNETT FIRE STATION 3
US HWY 401 N
FUQUAY-VARINA, NC 27526

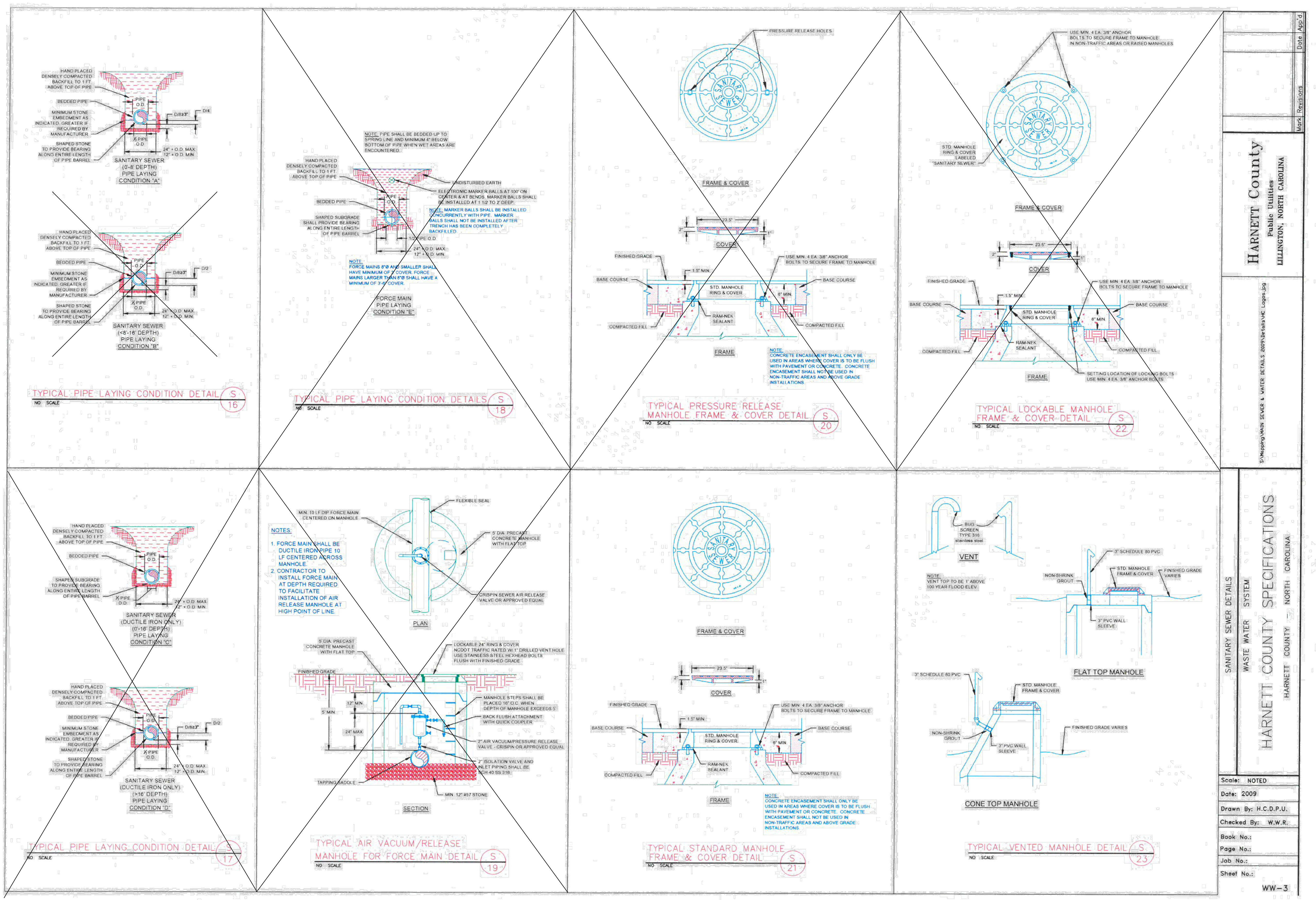
24 X 36

8 FEBRUARY 2022

21-0337

DETAILS

C7.2



HARNETT County Public Utilities LILLINGTON, NORTH CAROLINA		Date / App'd
S:\Projects\MAIN SEWER & WATER DETAILS\2020\JULY\H.C. Logos.jpg		Mark / Revisions
SANITARY SEWER SYSTEM		
HARNETT COUNTY SPECIFICATIONS		
HARNETT COUNTY NORTH CAROLINA		
Scale:	NOTED	
Date:	2009	
Drawn By:	H.C.D.P.U.	
Checked By:	W.W.R.	
Book No.:		
Page No.:		
Job No.:		
Sheet No.:	WW-3	

REVISIONS			
No.	DATE	DESCRIPTION	REV. BY

CALL BEFORE YOU DIG!
NORTH CAROLINA LAW REQUIRES NOTIFICATION OF THE UNDERGROUND FACILITY OWNER NOT LESS THAN TWO (2) BUT NO MORE THAN TEN (10) WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION

NORTH CAROLINA 811 www.nc811.org
1-800-632-4949
North Carolina One-Call Center, Inc.

APPROVED FOR PERMITTING
NOT FOR CONSTRUCTION