

# Sitework Plans for a new



US Hwy 421 at NC Hwy 16  
Wilkesboro, NC  
Wilkes County

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DRAWN BY: MDS  
PROJECT #: 22013  
ORIGINAL ISSUE DATE: 09/16/2022  
REVISIONS:  
A 11/17/2022 REVISIONS PER NCDOT AND DEC  
A 11/18/2022 REVISIONS PER DEC  
A 12/09/2022 REVISIONS PER NCDOT  
A 12/09/2022 REVISIONS PER NCDOT



Blue Ridge Engineering PLLC  
924 Main Street - Suite 200  
North Wilkesboro, NC 28659  
336-838-2500  
www.ridge.blue  
Firm #P-0205

## Project Narrative

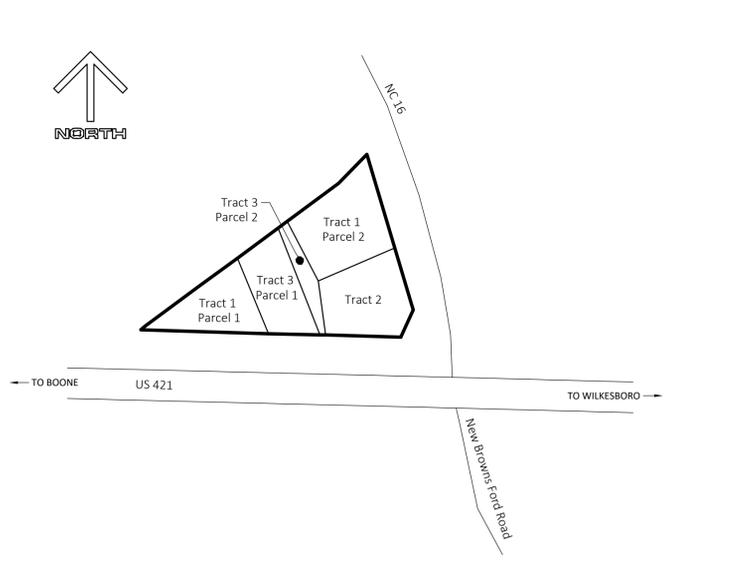
This project consists of development of 2.15± acres (includes 5 existing parcels) located at the intersection of US Hwy 421 and NC Hwy 16 North in Wilkesboro, NC. The existing parcels contain residential structures, driveways, etc. which are to be demolished. The proposed development includes a new Sheetz convenience store with fuel canopy, associated drives, stormwater pipe system, utility connections, and landscape. Access will be provided via a new right-in/right-out driveway on US Hwy 421 and a new full access driveway on NC 16 Hwy. Sanitary sewer and water are provided by the Town of Wilkesboro.

## Project Contacts

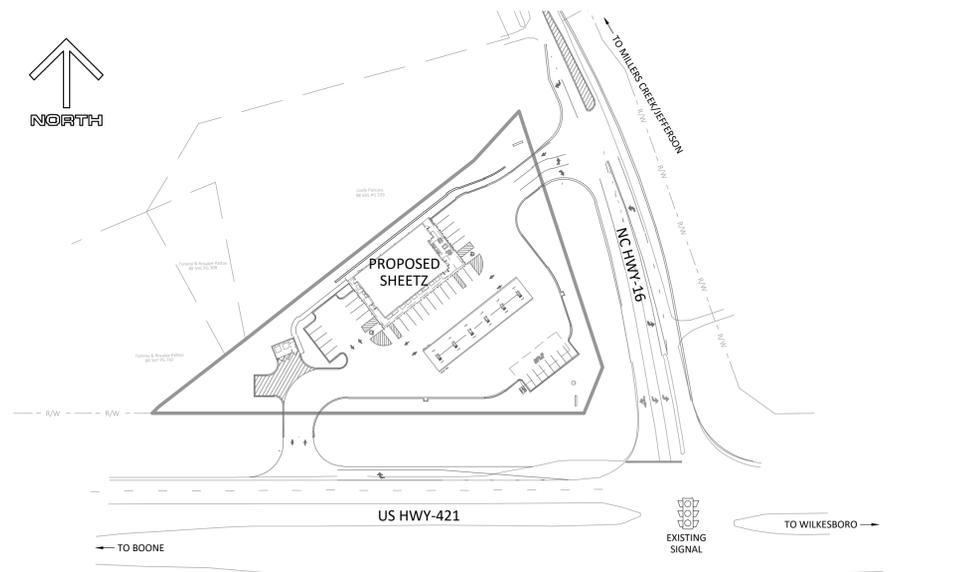
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|--|--|---|--|--|--|
| <b>CIVIL ENGINEER</b><br>Blue Ridge Engineering PLLC<br>M. Devin Staley, PE<br>924 Main Street, Suite 200<br>North Wilkesboro, NC 28659<br>336-838-2500<br><br><b>SURVEYOR</b><br>SurveyPros PLLC<br>C. Neil Shepherd, PE, PLS<br>924 Main Street, Suite 300<br>North Wilkesboro, NC 28659<br>336-667-5533 | <b>ZONING</b><br>Town of Wilkesboro<br>Andrew Carlton<br>203 W. Main Street<br>Wilkesboro, NC 28697<br>336-838-3951<br><br><b>ELECTRIC COMPANY</b><br>Duke Energy<br>Matt Holbrook<br>111 2nd Street<br>North Wilkesboro, NC 28659<br>336-865-2901 | <b>BUILDING INSPECTIONS</b><br>Wilkes County Building Inspections<br>Jacob Patrick<br>110 North Street, Room 311<br>Wilkesboro, NC 28697<br>336-651-7303<br><br><b>TELEPHONE/CABLE</b><br>Wilkes Communications<br>Blake Whitney<br>1400 River Street<br>Wilkesboro, NC 28697<br>336-973-3103 | <b>WATER/SEWER</b><br>Town of Wilkesboro<br>Brian Severt<br>1302 North Collegiate Drive<br>Wilkesboro, NC 28697<br>336-838-0188<br><br><b>HIGHWAYS</b><br>NCDOT<br>David Wayne, PE<br>PO Box 250<br>North Wilkesboro, NC 28659<br>336-903-9218 | <b>EROSION CONTROL</b><br>NCDEQ<br>Tamera Eplin<br>450 West Hanes Mill Road, Suite 300<br>Winston-Salem, NC 27105<br>336-776-9654<br><br><b>FIRE</b><br>Wilkesboro Fire Department<br>Jason Smithey<br>400 South Cherry Street<br>Wilkesboro, NC 28645<br>336-921-7533 | <b>GAS</b><br>Frontier Energy<br>Kim Carter<br>110 PGW Drive<br>Elkin, NC 28621<br>336-526-2690<br><br><b>HEALTH DEPT</b><br>Wilkes County Health Department<br>Rachel Willard<br>306 College Street<br>Wilkesboro, NC 28697<br>336-651-7464 |
|--|--|---|--|--|--|



## Vicinity Map



## Site Map



## Drawing Index

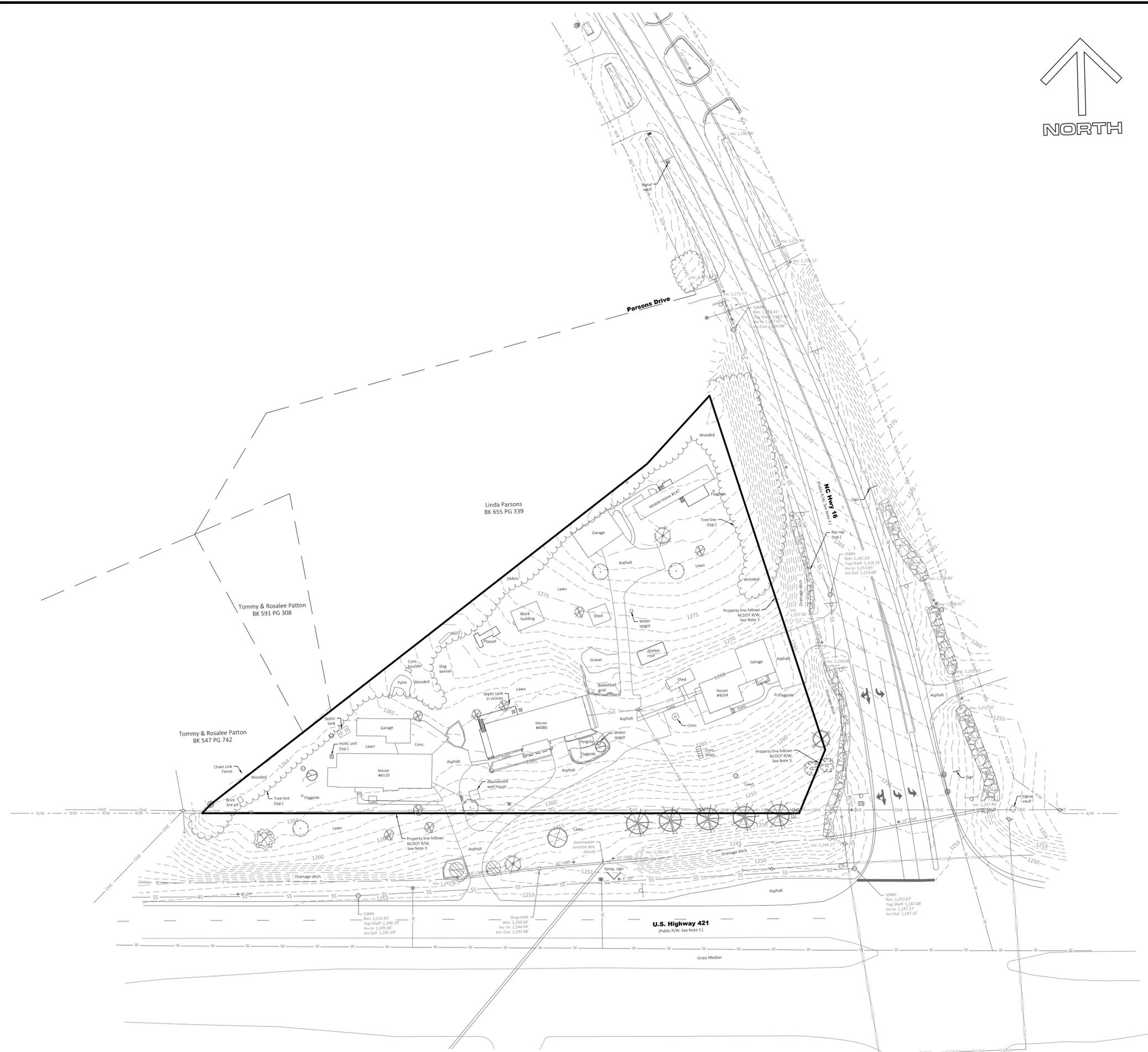
| #    | Sheet Title                                     |
|------|---|
| C-1  | Cover Sheet                                     |
| C-2  | Existing Conditions                             |
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Cover Sheet  
Proposed Sheetz  
US 421 Hwy at NC 16  
Wilkesboro, NC

SHEET

# C-1

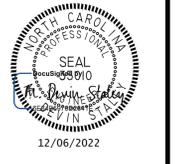
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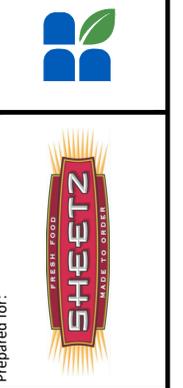
**SITE NOTES**

1. THIS IS NOT A SURVEY. INFORMATION SHOWN TAKEN FROM SURVEY PREPARED BY SURVEYPROS DATED 04/25/2022. SEE SURVEY FOR ADDITIONAL INFORMATION.
2. THIS PLAN IS TO BE USED FOR SITE DEVELOPMENT CONSTRUCTION REFERENCE ONLY. CONTRACTOR SHALL IMMEDIATELY NOTIFY BLUE RIDGE ENGINEERING IF CONDITIONS ARE ENCOUNTERED THAT ARE NOT AS SHOWN.
3. LOCATIONS OF UTILITIES SHOWN ARE BASED ON EVIDENCE OBSERVED AT THE TIME OF SURVEY. OTHER UTILITIES MAY EXIST THAT ARE NOT SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXISTENCE AND ACTUAL LOCATION OF ALL EXISTING UTILITY LINES, AND TO PROTECT THESE LINES DURING CONSTRUCTION.
4. FLOOD HAZARD STATEMENT: THE PROPERTY LIES WITHIN "ZONE X" OTHER AREAS, AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN. INFORMATION OBTAINED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), NATIONAL FLOOD INSURANCE PROGRAM (NFIP), FLOOD INSURANCE RATE MAP (FIRM), PANEL NUMBER 3848, MAP NUMBER 3710-3848-00J, HAVING AN EFFECTIVE DATE OF MARCH 2, 2009.

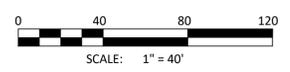
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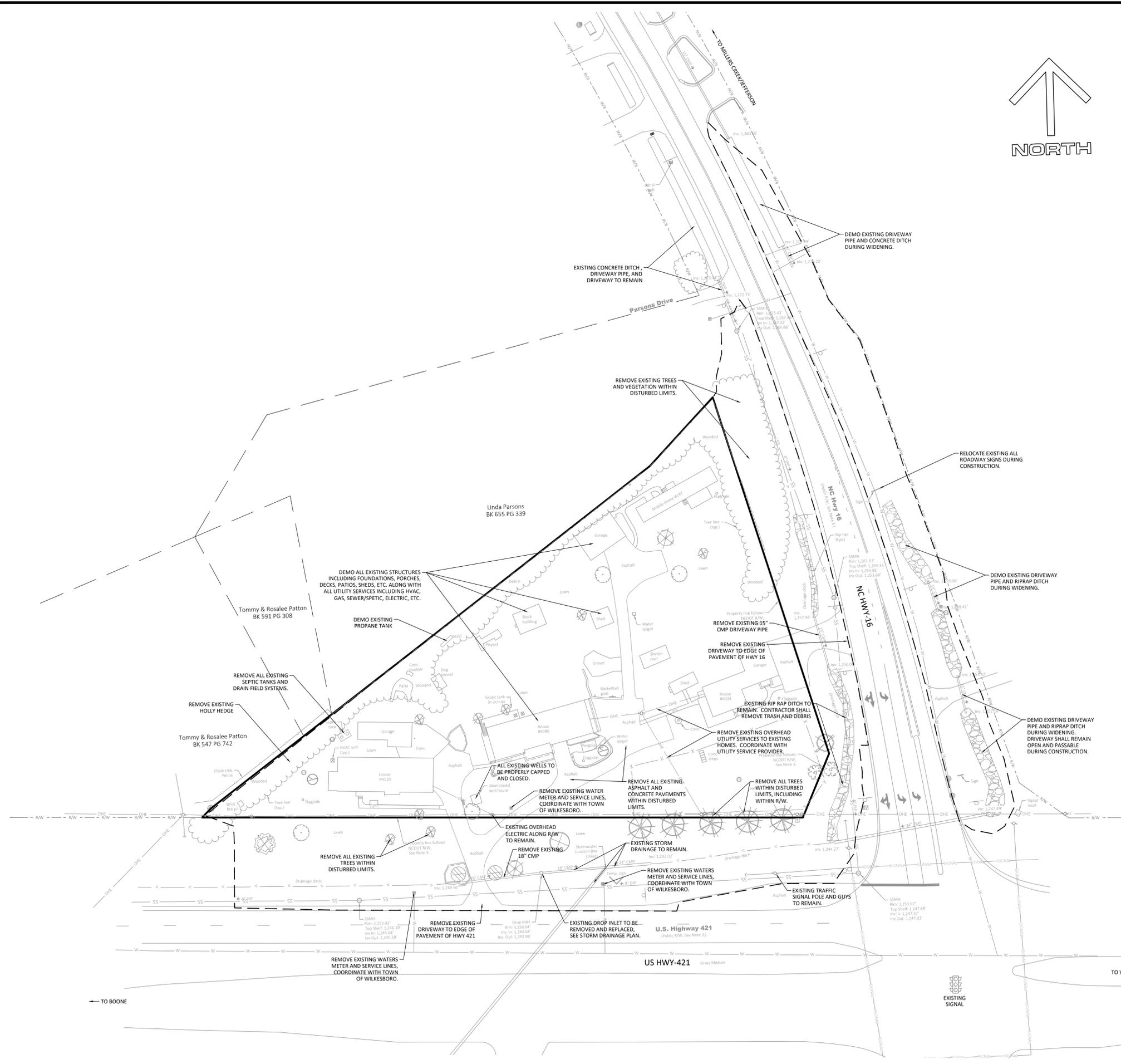


Prepared for:  
**Existing Conditions Plan**  
**Proposed Sheetz**  
 US 421 Hwy at NC 16  
 Wilkesboro, NC



SHEET  
**C-2**

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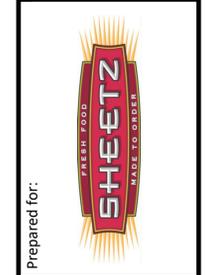
### CLEARING AND GRADING NOTES

- GRADING SHALL NOT PROCEED UNTIL APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED.
- LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING OR VERIFYING THAT ALL ASSOCIATED PERMITS AND APPROVALS HAVE BEEN OBTAINED FOR THIS WORK. NO WORK SHALL BE PERFORMED OUTSIDE THE DISTURBED LIMITS SHOWN ON THIS PLAN. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL ORDINANCES. CONTRACTOR IS RESPONSIBLE FOR ALL NESHAP NOTIFICATIONS REQUIRED. ALL SUCH NOTIFICATIONS SHALL BE MADE AT LEAST TWO WEEKS PRIOR TO ANY DEMOLITION WORK.
- ALL ASPHALT, TREES, STUMPS, BRUSH, ROOTS, STRUCTURES, WALLS, FOUNDATIONS, CURBS, TANKS, BARRELS, FLOOR SLABS, CONCRETE, METAL, SEPTIC TANKS, FENCING, SIGNS, POLES, TRASH, OTHER DEBRIS, AND UNSUITABLE FILL MATERIAL SHALL BE PROPERLY DISPOSED OF OFF-SITE. ALL PAVEMENT AND CONCRETE EDGES SHALL BE SAWCUT. ALL CONCRETE SHALL BE REMOVED/REPLACED TO THE NEAREST JOINT. STORM DRAINAGE BOXES, GRATES AND PIPE TO BE REMOVED MAY BE REUSED IF FOUND TO BE SUITABLE BY THE ENGINEER, UNLESS OTHERWISE NOTED.
- CERTAIN TREES WITHIN 10 FEET OF THE TOP OF ANY CUT SLOPE MAY BE REQUIRED TO BE REMOVED AT THE DISCRETION OF THE ENGINEER. CERTAIN TREES WITHIN 5 FEET OF THE CLEARING LIMITS SHOWN ON THE DRAWINGS MAY BE REQUIRED TO BE REMOVED AT THE DISCRETION OF THE ENGINEER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY, METHODS, MEANS, PROCEDURES AND SEQUENCES OF ITS OPERATIONS. CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL FOR ITS OPERATIONS. CONTRACTOR SHALL INSTALL ABUNDANT ORANGE SAFETY FENCING ON THE PROJECT TO PREVENT OTHERS FROM ENTERING THE WORK AREA. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SAFETY FENCING AS NECESSARY FOR THE DURATION OF THE PROJECT.
- THE LOCATION OF UTILITIES SHOWN ON THE PLANS SHALL BE CONSIDERED APPROXIMATE. ALL UTILITIES MAY NOT BE SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXISTENCE AND ACTUAL LOCATION OF ALL EXISTING UTILITY LINES WHETHER SHOWN ON THE PLANS OR NOT. CONTRACTOR SHALL CONTACT ULOCO. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR WITHIN RIGHT-OF-WAY PRIOR TO EXCAVATION. UTILITY ADJUSTMENTS AND/OR REMOVAL/RELOCATION IS INCLUDED IN THE SCOPE OF WORK. CONTRACTOR IS RESPONSIBLE FOR WORK ASSOCIATED WITH MAINTAINING/REPAIRING UTILITY SERVICES AS NECESSARY.
- ALL FILL PLACED SHALL PASS A PROOF-ROLL TEST BEFORE AND AFTER INSTALLATION OF STONE BASE, SLABS OR PAVEMENTS. SUBGRADE SHALL BE INSPECTED AND ACCEPTED BY THE ENGINEER PRIOR TO PLACEMENT OF STONE BASE. STONE BASE SHALL BE INSPECTED AND ACCEPTED BY THE ENGINEER PRIOR TO PLACEMENT OF ASPHALT. CONTRACTOR SHALL PROVIDE A LOADED TRUCK FOR ALL PROOF-ROLLS REQUIRED.
- ALL WORK IS SUBJECT TO INSPECTION OF THE OWNER, ENGINEER AND AUTHORITIES HAVING JURISDICTION. THE OWNER SHALL PAY FOR ALL QUALITY ASSURANCE TESTING REQUIRED. CONTRACTOR SHALL PROVIDE BLUE RIDGE ENGINEERING 48 HOURS NOTICE FOR ANY TESTING NECESSARY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY APPROVALS, PERMITS, ETC. AND FOR PROPER DISPOSAL OF ANY MATERIAL REMOVED FROM THE SITE.
- EXISTING DRAINAGE PATTERNS SHALL BE MAINTAINED UNLESS OTHERWISE SHOWN ON THE PLANS. ALL AREAS OF THE SITE SHALL BE SHAPED TO DRAIN TO EROSION CONTROL DEVICES.
- THE CONTRACTOR SHALL KEEP ALL STREETS AND ROADWAYS CLEAN. THIS SHALL BE ACCOMPLISHED BY STREET SWEEPING AND WASHING AS NECESSARY ON A DAILY BASIS.
- ALL FILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT. DRYING OR WETTING OF FILL MATERIAL MAY BE REQUIRED TO COMPLY WITH MOISTURE LIMITS SPECIFIED. IF NO GEOTECHNICAL STUDY HAS BEEN PERFORMED, ALL EARTHWORK PLACED SHALL BE WITHIN 5% OF OPTIMUM MOISTURE AND COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR.
- THE CONTRACTOR SHALL SMOOTH AND BLEND IN ALL GRADE TRANSITIONS AND PROVIDE POSITIVE DRAINAGE AROUND ALL BUILDINGS. THE TOP OF SLOPE FOR ALL CUT SLOPES SHALL BE ROUNDED. THE FINAL GRADE OF ALL CUT SLOPES SHALL BE SCARIFIED AND TRACKED AS NECESSARY FOR ESTABLISHMENT OF GROUND COVER. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY CLARIFICATION IS NEEDED CONCERNING THE INTENT OF THE DRAWINGS, INCLUDING SPOT GRADES, CONTOUR LINES, BREAK POINTS, DRAINAGE PATTERNS, ETC. THE CONTRACTOR SHALL DRAG AND RAKE THE ENTIRE SITE AND LEAVE THE ENTIRE SITE IN A CLEAN, NEAT, SMOOTH CONDITIONS SUITABLE FOR MOWING.
- SLOPES IN HANDICAP PARKING SPACES AND ACCESS AISLE AREAS SHALL NOT EXCEED 2% IN ANY DIRECTION INCLUDING THE DIAGONAL.
- THIS PROJECT MAY INCLUDE MATERIAL TO BE IMPORTED/EXPORTED TO/FROM THIS SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITTING AND APPROVALS REQUIRED FOR ANY OFF-SITE BORROW AREAS OR WASTE AREAS.
- CONTRACTOR SHALL MAINTAIN A STAMPED APPROVED SET OF PLANS ON THE JOB SITE AT ALL TIMES.

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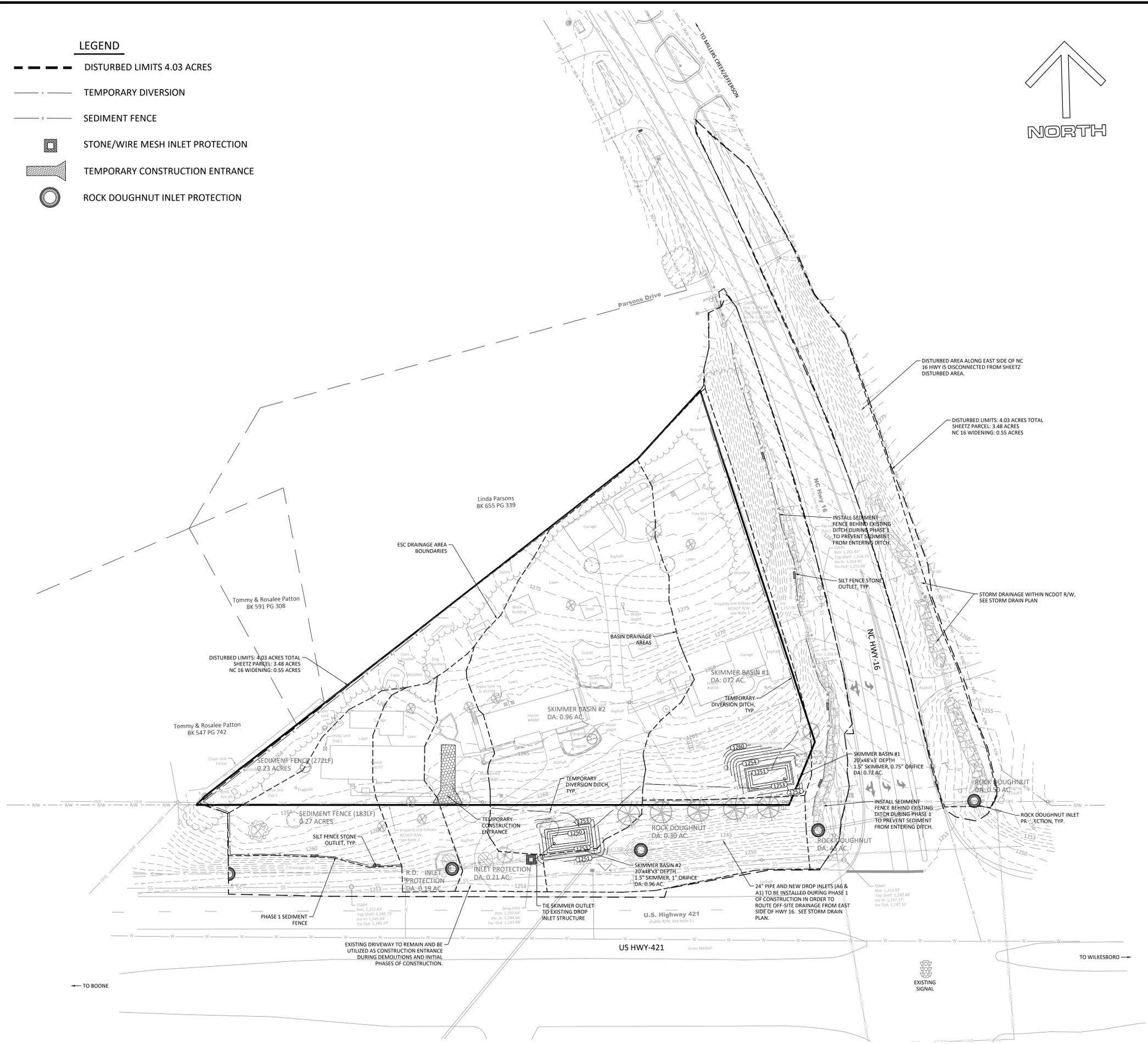
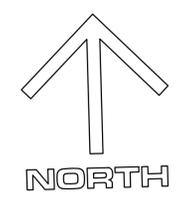


Prepared for:  
 Demolition Plan  
 Proposed Sheetz  
 US 421 Hwy at NC 16  
 Wilkesboro, NC  
 SHEET  
**C-3**

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LEGEND

- DISTURBED LIMITS 4.03 ACRES
- TEMPORARY DIVERSION
- SEDIMENT FENCE
- STONE/WIRE MESH INLET PROTECTION
- TEMPORARY CONSTRUCTION ENTRANCE
- ROCK DOUGHNUT INLET PROTECTION



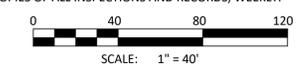
EROSION CONTROL NOTES

1. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING OR VERIFYING THAT ALL ASSOCIATED PERMITS AND APPROVALS HAVE BEEN OBTAINED FOR THIS WORK. NO WORK SHALL BE PERFORMED OUTSIDE THE DISTURBED LIMITS SHOWN ON THIS PLAN. CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
2. ALL EXPOSED AREAS SHALL BE SEEDED AS SPECIFIED WITHIN 7 DAYS OF ESTABLISHING FINAL GRADE OR IF CONSTRUCTION ACTIVITY CEASES FOR LONGER THAN 7 DAYS. CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.
3. CONTRACTOR IS RESPONSIBLE FOR ALL NCDENR INSPECTION REPORTS AND RECORD KEEPING AS REQUIRED. CONTRACTOR SHALL SUPPLY AND INSTALL A RAIN GAUGE ON SITE.
4. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED AT LEAST EVERY SEVEN (7) DAYS AND WITHIN 24 HOURS OF A RAINFALL EXCEEDING 0.5 INCHES DURING A 24-HOUR PERIOD OR MORE FREQUENTLY IF REQUIRED BY GOVERNING NPDES GENERAL PERMIT. ANY REPAIRS OR MAINTENANCE DETERMINED NECESSARY SHALL COMMENCE WITHIN 24 HOURS AND BE COMPLETED WITHIN 48 HOURS OF INSPECTION AND REPORT.
5. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE. CONTRACTOR SHALL TAKE WHATEVER MEANS NECESSARY TO PREVENT SEDIMENT FROM REACHING ANY EXISTING WATER BODIES OR WETLANDS. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING GROUND COVER ON ALL DISTURBED AREAS, INCLUDING ALL SLOPES. ALL SLOPES SHALL BE HYDRO-SEEDED WITH TACKIFIER ADDED. EROSION CONTROL MATTING SHALL ALSO BE PROVIDED ON ALL SLOPES STEEPER THAN 2:1 AND ON ANY OTHER AREAS AS NECESSARY TO PREVENT EROSION AND ESTABLISH GROUND COVER. ANY AREA THAT SHOWS DISTRESS SHALL BE MATTED.
7. EXISTING DRAINAGE PATTERNS SHALL BE MAINTAINED UNLESS OTHERWISE SHOWN ON THE PLANS. ALL AREAS OF THE SITE SHALL BE SHAPED TO DRAIN TO EROSION CONTROL DEVICES. IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
8. SILT FENCE STONE OUTLETS SHALL BE INSTALLED IF NECESSARY EVERY 100LF AND AT LOW POINTS ALONG THE SILT FENCE. SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT TRAP(S) OR BASIN(S) BEFORE REACHING 25% FULL AND FROM SILT FENCE BEFORE IT IS 33% FULL.
9. THE CONTRACTOR IS RESPONSIBLE FOR ALL SAFETY, METHODS, PROCEDURES, AND SEQUENCES OF ITS OPERATIONS. CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL FOR ITS OPERATIONS.
10. LOCATIONS OF UTILITIES SHOWN ARE BASED ON EVIDENCE OBSERVED AT THE TIME OF SURVEY. OTHER UTILITIES MAY EXIST THAT ARE NOT SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXISTENCE AND ACTUAL LOCATION OF ALL EXISTING UTILITY LINES, AND TO PROTECT THESE LINES DURING CONSTRUCTION.
11. THE CONTRACTOR SHALL KEEP ALL STREETS AND ROADWAYS CLEAN AT ALL TIMES. THIS SHALL BE ACCOMPLISHED BY STREET SWEEPING AND WASHING AS NECESSARY ON A DAILY BASIS.
12. CONTRACTOR SHALL MAINTAIN AN APPROVED SET OF PLANS ON THE JOB SITE AT ALL TIMES.
13. CONTRACTOR SHALL CONTACT EROSION CONTROL DEPARTMENT PRIOR TO REMOVAL OF ANY SEDIMENT CONTROL MEASURES.

EROSION CONTROL SEQUENCE

INITIAL PHASE

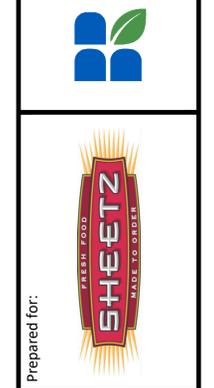
1. PRIOR TO LAND DISTURBING ACTIVITIES A PRE-CONSTRUCTION MEETING SHALL BE HELD ON-SITE WITH THE CONTRACTOR AND SUBCONTRACTOR(S) PERFORMING THE WORK. CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER OF MEETING DATE AND TIME AT LEAST 48 HOURS PRIOR.
2. BEGIN DEMOLITION OF EXISTING STRUCTURES. EXISTING DRIVEWAYS SHALL REMAIN AND BE UTILIZED TO HAUL-OFF DEBRIS DURING INITIAL DEMOLITION. NO LAND DISTURBANCE SHALL OCCUR UNTIL SKIMMER BASINS HAVE BEEN INSTALLED.
3. CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE PRIOR TO LAND DISTURBANCE AND REMOVAL OF FOUNDATIONS/SLABS/DRIVEWAYS.
4. INSTALL PERIMETER SEDIMENT FENCE AS SHOWN. INSTALL INLET PROTECTION AND ROCK DOUGHNUTS AS SHOWN AT EXISTING INLETS.
5. CONSTRUCT SKIMMER BASINS #1 AND #2. INSTALL BAFFLES IN BASINS.
6. INSTALL 24" STORM DRAINAGE PIPE FROM A6 TO A1 AND INLET PROTECTION MEASURES AT A6 AND A1.
7. MAINTAIN EXISTING DRAINAGE PATTERNS, ALLOWING SITE TO DRAIN TO SKIMMER BASINS. CONTRACTOR SHALL KEEP SITE SHAPED TO DRAIN TO SKIMMER BASINS TO THE MAXIMUM EXTENT POSSIBLE.
8. COMMENCE CLEARING, STRIPPING, GRUBBING AND DEMOLITION OPERATIONS. THIS WORK SHALL BE PERFORMED ONLY IN AREAS WHERE EARTHWORK WILL COMMENCE WITHIN 7 DAYS.
9. INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY. ALL STORMWATER SHALL DRAIN TO AN APPROVED SEDIMENT CONTROL DEVICE.
10. IMPLEMENT TEMPORARY OR PERMANENT STABILIZATION FOR ALL AREAS OF THE SITE WHERE ACTIVITY HAS CEASED FOR MORE THAN 7 DAYS.
11. PROVIDE OWNER WITH COPIES OF ALL INSPECTIONS AND RECORDS, WEEKLY.



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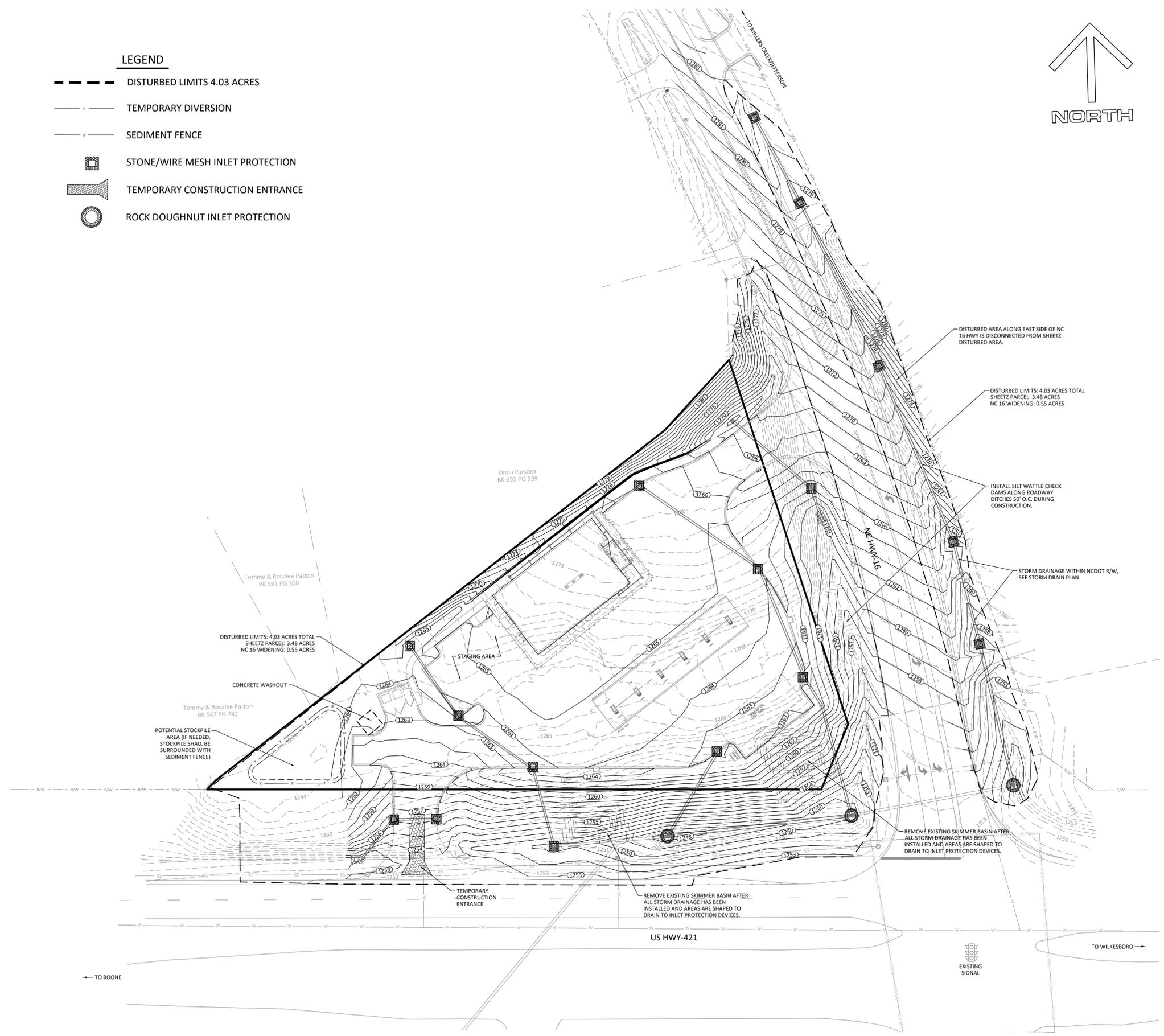
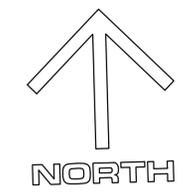
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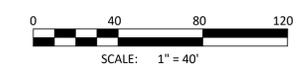
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4. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) DAYS AND WITHIN 24 HOURS OF A RAINFALL EXCEEDING 0.5 INCHES DURING A 24-HOUR PERIOD OR MORE FREQUENTLY IF REQUIRED BY GOVERNING NPDES GENERAL PERMIT. ANY REPAIRS OR MAINTENANCE DETERMINED NECESSARY SHALL COMMENCE WITHIN 24 HOURS AND BE COMPLETED WITHIN 48 HOURS OF INSPECTION AND REPORT.
5. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE. CONTRACTOR SHALL TAKE WHATEVER MEANS NECESSARY TO PREVENT SEDIMENT FROM REACHING ANY EXISTING WATER BODIES OR WETLANDS. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING GROUND COVER ON ALL DISTURBED AREAS, INCLUDING ALL SLOPES. ALL SLOPES SHALL BE HYDRO-SEEDED WITH TACKIFIER ADDED. EROSION CONTROL MATTING SHALL ALSO BE PROVIDED ON ALL SLOPES STEEPER THAN 2:1 AND ON ANY OTHER AREAS AS NECESSARY TO PREVENT EROSION AND ESTABLISH GROUND COVER. ANY AREA THAT SHOWS DISTRESS SHALL BE MATTED.
7. EXISTING DRAINAGE PATTERNS SHALL BE MAINTAINED UNLESS OTHERWISE SHOWN ON THE PLANS. ALL AREAS OF THE SITE SHALL BE SHAPED TO DRAIN TO EROSION CONTROL DEVICES. IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
8. SILT FENCE STONE OUTLETS SHALL BE INSTALLED IF NECESSARY EVERY 100LF AND AT LOW POINTS ALONG THE SILT FENCE. SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT TRAP(S) OR BASIN(S) BEFORE REACHING 25% FULL AND FROM SILT FENCE BEFORE IT IS 33% FULL.
9. THE CONTRACTOR IS RESPONSIBLE FOR ALL SAFETY, METHODS, PROCEDURES, AND SEQUENCES OF ITS OPERATIONS. CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL FOR ITS OPERATIONS.
10. LOCATIONS OF UTILITIES SHOWN ARE BASED ON EVIDENCE OBSERVED AT THE TIME OF SURVEY. OTHER UTILITIES MAY EXIST THAT ARE NOT SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXISTENCE AND ACTUAL LOCATION OF ALL EXISTING UTILITY LINES, AND TO PROTECT THESE LINES DURING CONSTRUCTION.
11. THE CONTRACTOR SHALL KEEP ALL STREETS AND ROADWAYS CLEAN AT ALL TIMES. THIS SHALL BE ACCOMPLISHED BY STREET SWEEPING AND WASHING AS NECESSARY ON A DAILY BASIS.
12. CONTRACTOR SHALL MAINTAIN AN APPROVED SET OF PLANS ON THE JOB SITE AT ALL TIMES.
13. CONTRACTOR SHALL CONTACT EROSION CONTROL DEPARTMENT PRIOR TO REMOVAL OF ANY SEDIMENT CONTROL MEASURES.

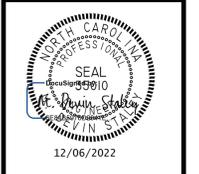
EROSION CONTROL SEQUENCE

FINAL PHASE

1. COMMENCE SITE GRADING.
2. INSTALL ADDITIONAL STORM DRAINAGE AS GRADING PROGRESSES, ALONG WITH INLET PROTECTION.
3. MAINTAIN PERIMETER PROTECTION MEASURES, INLET PROTECTION, SKIMMER SEDIMENT BASINS, AND SHAPE AREAS TO DRAIN TO SEDIMENT CONTROL DEVICES.
4. REMOVE SKIMMER BASINS ONLY AFTER CONTRIBUTING DRAINAGE AREA IS PERMANENTLY STABILIZED. INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE PHASED TO ALLOW FOR DRAINAGE TO BE ROUTED TO THE BASINS.
5. INSTALL ADDITIONAL EROSION & SEDIMENT CONTROL MEASURES AS NECESSARY.
6. PROVIDE OWNER WITH COPIES OF ALL INSPECTIONS AND RECORDS, WEEKLY.
7. IMPLEMENT TEMPORARY OR PERMANENT STABILIZATION FOR ALL AREAS OF THE SITE WHERE GRADING ACTIVITY HAS CEASED FOR MORE THAN 7 DAYS.
8. FINALIZE PAVEMENT SUB-GRADE PREPARATION. MAINTAIN TEMPORARY CONSTRUCTION ENTRANCE UNTIL STONE BASE IS INSTALLED.
9. INSTALL CURB AND GUTTER. INLET PROTECTION MAY BE REMOVED TEMPORARILY FOR THIS CONSTRUCTION. REPLACE ANY REMOVED INLET PROTECTION AT THE END OF EACH DAY.
10. COMPLETE FINAL GRADING, BACKFILLING AND PERMANENT SEEDING, PLANTING AND MULCHING STABILIZATION. REPAIR ANY RUTTING OR WASHOUTS OF SLOPES AND OTHER AREAS UNTIL FINAL STABILIZATION IS ACHIEVED.
11. INSTALL STONE BASE MATERIAL AS REQUIRED FOR PAVEMENT. IF NECESSARY, REMOVE INLET PROTECTION AROUND INLETS AND MANHOLES IMMEDIATELY PRIOR TO PLACING STABILIZED BASE COURSE. INLET PROTECTION WITHIN PARKING AREAS MAY BE CONVERTED TO SILT SACK (DANDY SACK) INLET PROTECTION DURING STONE BASE INSTALLATION.
12. INSTALL PAVEMENT. INLET PROTECTION IS TO REMAIN AT ALL INLETS UNTIL CONTRIBUTING AREA ACHIEVES FINAL STABILIZATION AND/OR ALL POTENTIAL POLLUTANT SOURCES ARE ELIMINATED.
13. INSPECT AND CLEAN STORM DRAINAGE SYSTEM. BMP INSPECTIONS, MAINTENANCE, RECORD KEEPING AND SITE POSTING SHALL CONTINUE UNTIL FINAL STABILIZATION.
14. COORDINATE WITH OWNER AS NECESSARY TO "CLOSE OUT" OR "TURN OVER" MAINTENANCE RESPONSIBILITY ON THE PROJECT, AND FILE NOT.



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| PROJECT #: 22013   |
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| 2. 11/19/2022 REVISIONS PER DEQ  |
| 3. 12/03/2022 REVISIONS PER NCDOT  |
| 4. 12/06/2022 REVISIONS PER NCDOT  |



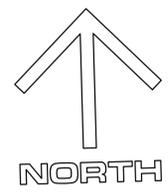
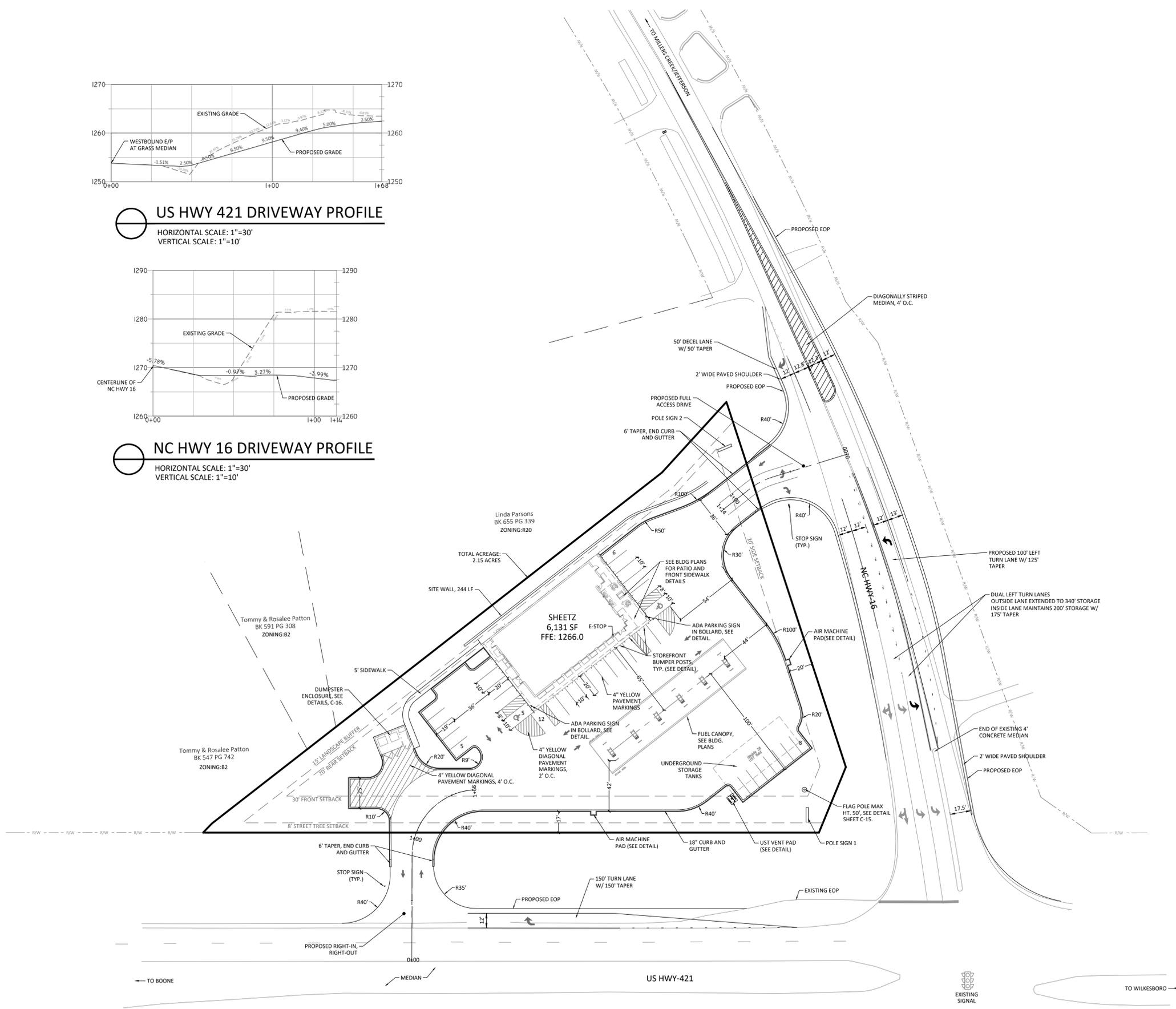
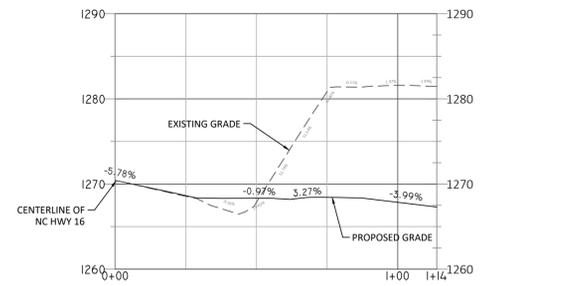
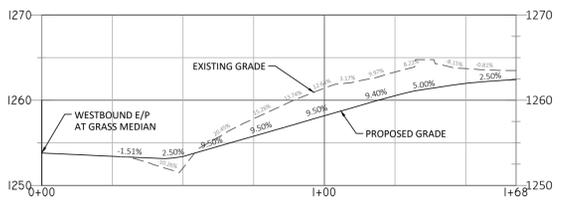
**Blue Ridge Engineering PLLC**  
 924 Main Street - Suite 200  
 North Wilkesboro, NC 28659  
 336.838.2500  
 www.ridge.blue  
 Firm #P-0205



Prepared for:  
**Erosion & Sediment Control Plan - Final Phase**  
**Proposed Sheetz**  
 US 421 Hwy at NC 16  
 Wilkesboro, NC

SHEET  
**C-5**

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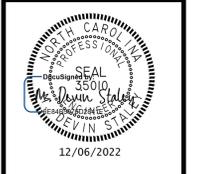


**SITE DATA**

|                        |                                      |
|------------------------|--------------------------------------|
| GENERAL                |                                      |
| LATITUDE               | 36.150° N                            |
| LONGITUDE              | 81.232° W                            |
| LOT 1                  | 2.15 AC.                             |
| ZONING                 | B-2                                  |
| PROPOSED USE           | CONVENIENCE STORE WITH FUEL SALES    |
| PROPOSED EOP           | 6,131 SF                             |
| PARKING: REQUIRED      | 31 SPACES (1 PER 200SF)              |
| PROVIDED               | 36 SPACES                            |
| SETBACKS               |                                      |
| FRONT                  | 30'                                  |
| SIDE                   | 20'                                  |
| REAR                   | 20'                                  |
| LANDSCAPING BUFFERS    |                                      |
| STREET                 | 8'                                   |
| ZONING (ADJ. TO R-20A) | 15'                                  |
| WATERSHED              | 70% MAXIMUM*                         |
| WS-TV, PROTECTED       | *SPECIAL DENSITY ALLOCATION REQUIRED |
| EXISTING IMPERVIOUS    | 26,977SF                             |
| PROPOSED IMPERVIOUS    |                                      |
| SHEETZ BUILDING        | 6,131 SF                             |
| PARKING/SIDEWALK       | 54,183 SF                            |
| TOTAL                  | 60,314 SF (64.4%)                    |

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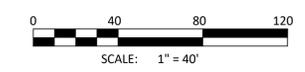


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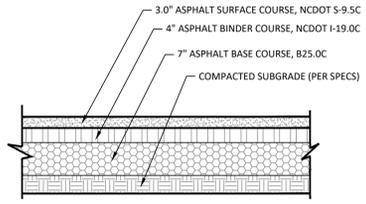


Prepared for:  
**Site Layout Plan**  
**Proposed Sheetz**  
 US 421 Hwy at NC 16  
 Wilkesboro, NC

SHEET  
**C-6**

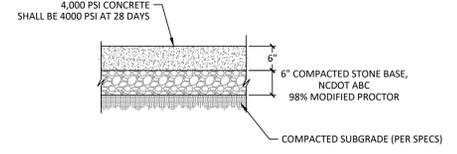


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**HEAVY DUTY ASPHALT PAVEMENT  
(WITHIN NCDOT R/W)**

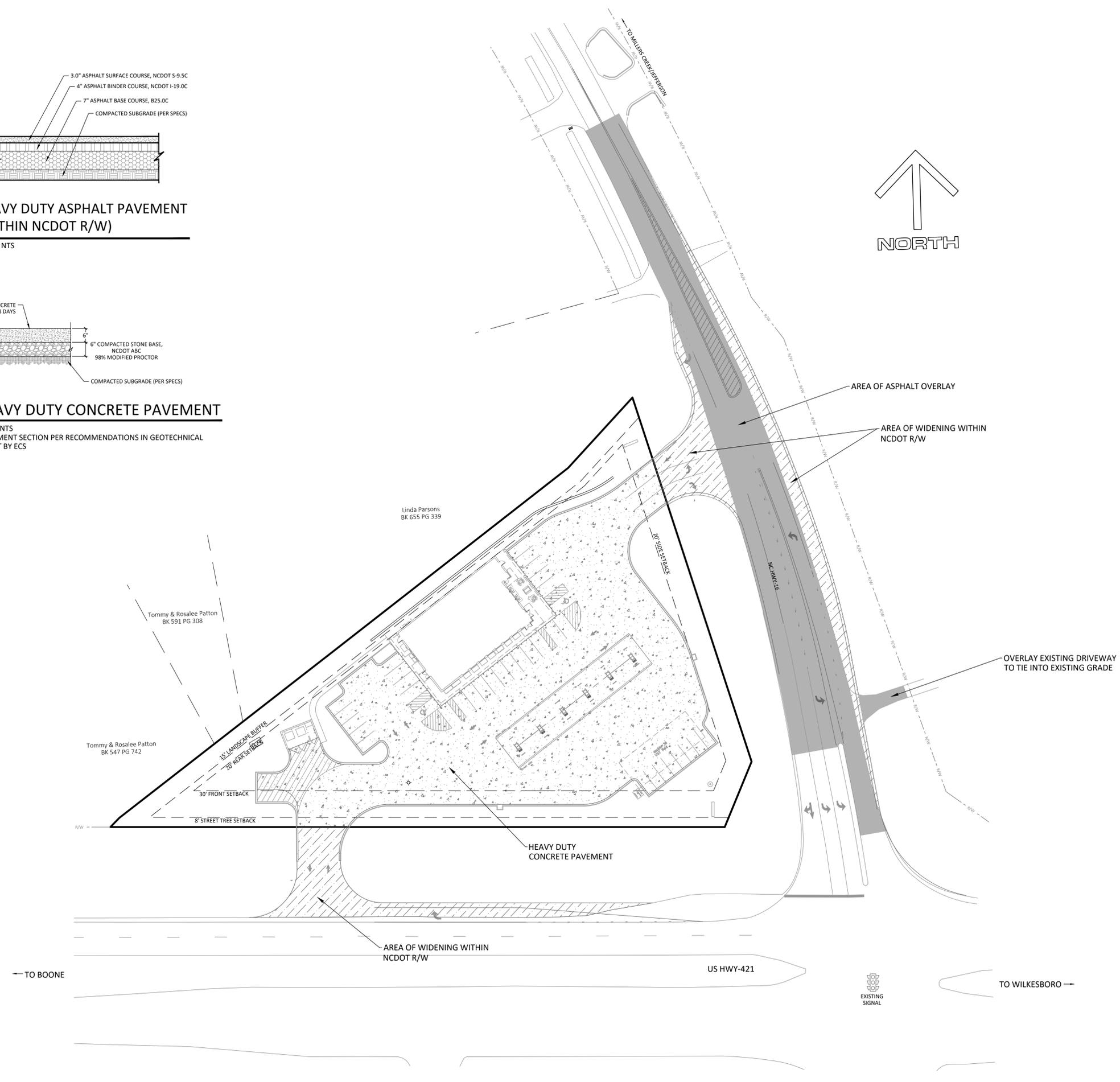
SCALE: NTS



**HEAVY DUTY CONCRETE PAVEMENT**

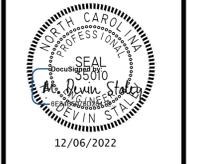
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\*PAVEMENT SECTION PER RECOMMENDATIONS IN GEOTECHNICAL REPORT BY ECS



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Prepared for:

**Pavement Plan**  
**Proposed Sheetz**  
 US 421 Hwy at NC 16  
 Wilkesboro, NC

SHEET  
**C-7**

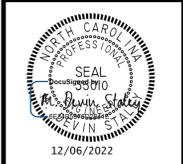
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CLEARING AND GRADING NOTES

1. GRADING SHALL NOT PROCEED UNTIL APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED.
2. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING OR VERIFYING THAT ALL ASSOCIATED PERMITS AND APPROVALS HAVE BEEN OBTAINED FOR THIS WORK. NO WORK SHALL BE PERFORMED OUTSIDE THE DISTURBED LIMITS SHOWN ON THIS PLAN. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL ORDINANCES. CONTRACTOR IS RESPONSIBLE FOR ALL NESHAP NOTIFICATIONS REQUIRED. ALL SUCH NOTIFICATIONS SHALL BE MADE AT LEAST TWO WEEKS PRIOR TO ANY DEMOLITION WORK.
3. ALL ASPHALT, TREES, STUMPS, BRUSH, ROOTS, STRUCTURES, WALLS, FOUNDATIONS, CURBS, TANKS, BARRELS, FLOOR SLABS, CONCRETE, METAL, SEPTIC TANKS, FENCING, SIGNS, POLES, TRASH, OTHER DEBRIS, AND UNSUITABLE FILL MATERIAL SHALL BE PROPERLY DISPOSED OF OFF-SITE. ALL PAVEMENT AND CONCRETE EDGES SHALL BE SAWCUT. ALL CONCRETE SHALL BE REMOVED/REPLACED TO THE NEAREST JOINT. STORM DRAINAGE BOXES, GRATES AND PIPE TO BE REMOVED MAY BE REUSED IF FOUND TO BE SUITABLE BY THE ENGINEER, UNLESS OTHERWISE NOTED.
4. CERTAIN TREES WITHIN 10 FEET OF THE TOP OF ANY CUT SLOPE MAY BE REQUIRED TO BE REMOVED AT THE DISCRETION OF THE ENGINEER. CERTAIN TREES WITHIN 5 FEET OF THE CLEARING LIMITS SHOWN ON THE DRAWINGS MAY BE REQUIRED TO BE REMOVED AT THE DISCRETION OF THE ENGINEER.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY, METHODS, MEANS, PROCEDURES AND SEQUENCES OF ITS OPERATIONS. CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL FOR ITS OPERATIONS. CONTRACTOR SHALL INSTALL ABUNDANT ORANGE SAFETY FENCING ON THE PROJECT TO PREVENT OTHERS FROM ENTERING THE WORK AREA. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SAFETY FENCING AS NECESSARY FOR THE DURATION OF THE PROJECT.
6. THE LOCATION OF UTILITIES SHOWN ON THE PLANS SHALL BE CONSIDERED APPROXIMATE. ALL UTILITIES MAY NOT BE SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXISTENCE AND ACTUAL LOCATION OF ALL EXISTING UTILITY LINES WHETHER SHOWN ON THE PLANS OR NOT. CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR WITHIN RIGHT-OF-WAY PRIOR TO EXCAVATION. UTILITY ADJUSTMENTS AND/OR REMOVAL/RELOCATION IS INCLUDED IN THE SCOPE OF WORK. CONTRACTOR IS RESPONSIBLE FOR WORK ASSOCIATED WITH MAINTAINING/REPAIRING UTILITY SERVICES AS NECESSARY.
7. ALL FILL PLACED SHALL PASS A PROOF-ROLL TEST BEFORE AND AFTER INSTALLATION OF STONE BASE, SLABS OR PAVEMENTS. SUBGRADE SHALL BE ACCEPTED BY THE ENGINEER PRIOR TO PLACEMENT OF STONE BASE. STONE BASE SHALL BE INSPECTED AND ACCEPTED BY THE ENGINEER PRIOR TO PLACEMENT OF ASPHALT. CONTRACTOR SHALL PROVIDE A LOADED TRUCK FOR ALL PROOF-ROLLS REQUIRED.
8. ALL WORK IS SUBJECT TO INSPECTION OF THE OWNER, ENGINEER AND AUTHORITIES HAVING JURISDICTION. THE OWNER SHALL PAY FOR ALL QUALITY ASSURANCE TESTING REQUIRED.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY APPROVALS, PERMITS, ETC. AND FOR PROPER DISPOSAL OF ANY MATERIAL REMOVED FROM THE SITE.
10. EXISTING DRAINAGE PATTERNS SHALL BE MAINTAINED UNLESS OTHERWISE SHOWN ON THE PLANS. ALL AREAS OF THE SITE SHALL BE SHAPED TO DRAIN TO EROSION CONTROL DEVICES.
11. THE CONTRACTOR SHALL KEEP ALL STREETS AND ROADWAYS CLEAN. THIS SHALL BE ACCOMPLISHED BY STREET SWEEPING AND WASHING AS NECESSARY ON A DAILY BASIS.
12. ALL FILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT. DRYING OR WETTING OF FILL MATERIAL MAY BE REQUIRED TO COMPLY WITH MOISTURE LIMITS SPECIFIED. IF NO GEOTECHNICAL STUDY HAS BEEN PERFORMED, ALL EARTHWORK PLACED SHALL BE WITHIN 5% OF OPTIMUM MOISTURE AND COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR.
13. THE CONTRACTOR SHALL SMOOTH AND BLEND IN ALL GRADE TRANSITIONS AND PROVIDE POSITIVE DRAINAGE AROUND ALL BUILDINGS. THE TOP OF SLOPE FOR ALL CUT SLOPES SHALL BE ROUNDED. THE FINAL GRADE OF ALL CUT SLOPES SHALL BE SCARIFIED AND TRACKED AS NECESSARY FOR ESTABLISHMENT OF GROUND COVER. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY CLARIFICATION IS NEEDED CONCERNING THE INTENT OF THE DRAWINGS, INCLUDING SPOT GRADES, CONTOUR LINES, BREAK POINTS, DRAINAGE PATTERNS, ETC. THE CONTRACTOR SHALL DRAG AND RAKE THE ENTIRE SITE AND LEAVE THE ENTIRE SITE IN A CLEAN, NEAT, SMOOTH CONDITIONS SUITABLE FOR MOWING.
14. SLOPES IN ADA PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2% IN ANY DIRECTION INCLUDING THE DIAGONAL.
15. THIS PROJECT MAY INCLUDE MATERIAL TO BE IMPORTED/EXPORTED TO/FROM THIS SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITTING AND APPROVALS REQUIRED FOR ANY OFF-SITE BORROW AREAS OR WASTE AREAS.
16. CONTRACTOR SHALL MAINTAIN A STAMPED APPROVED SET OF PLANS ON THE JOB SITE AT ALL TIMES.

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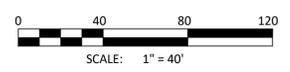
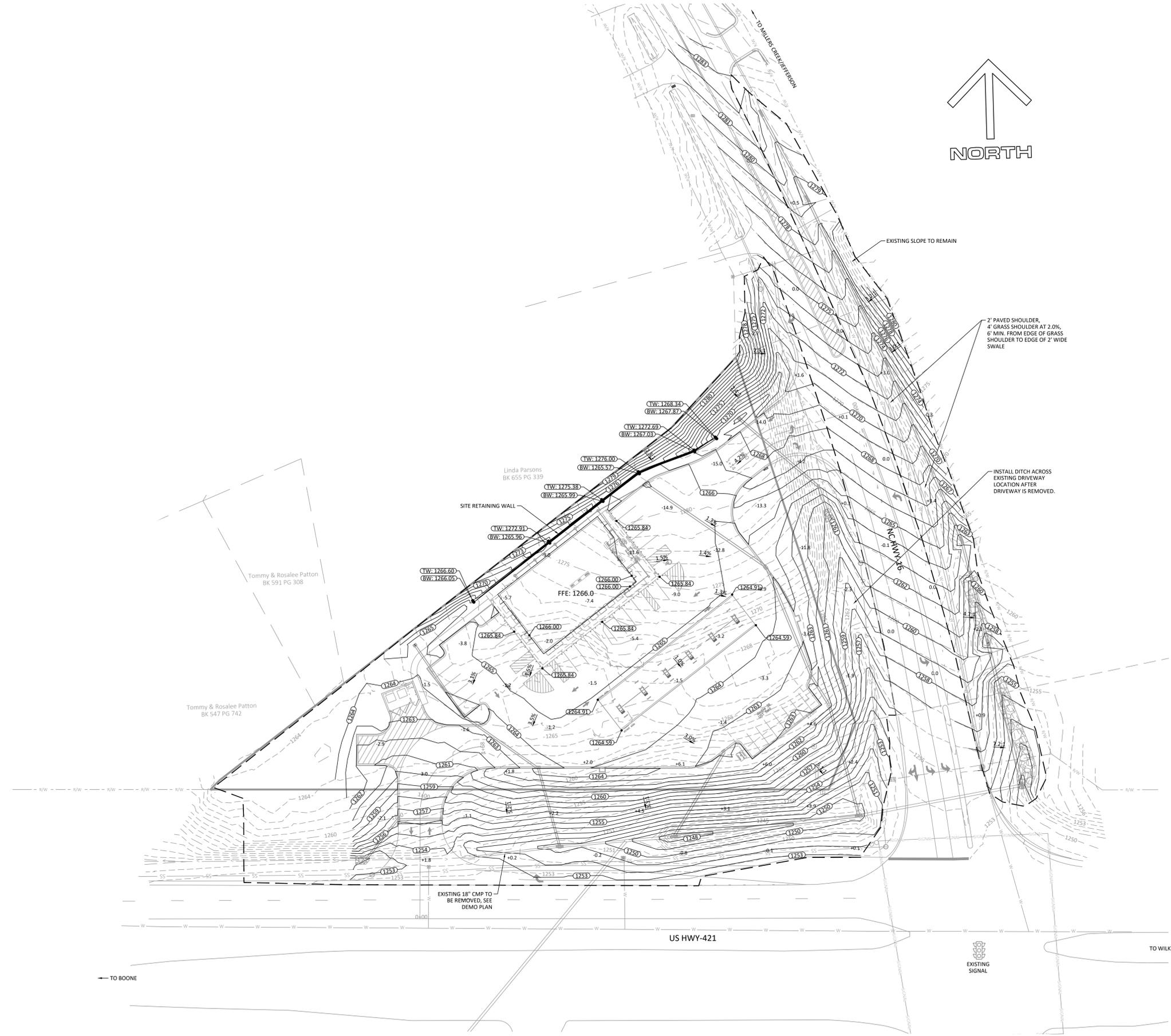


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 336.838.2500  
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 Firm #P-0205



Prepared for:  
**Grading Plan**  
**Proposed Sheetz**  
 US 421 Hwy at NC 16  
 Wilkesboro, NC

SHEET  
**C-8**



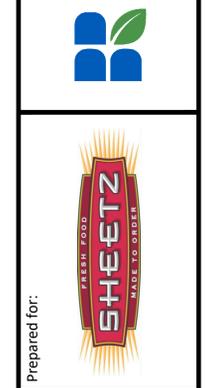
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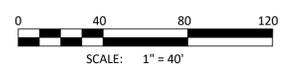
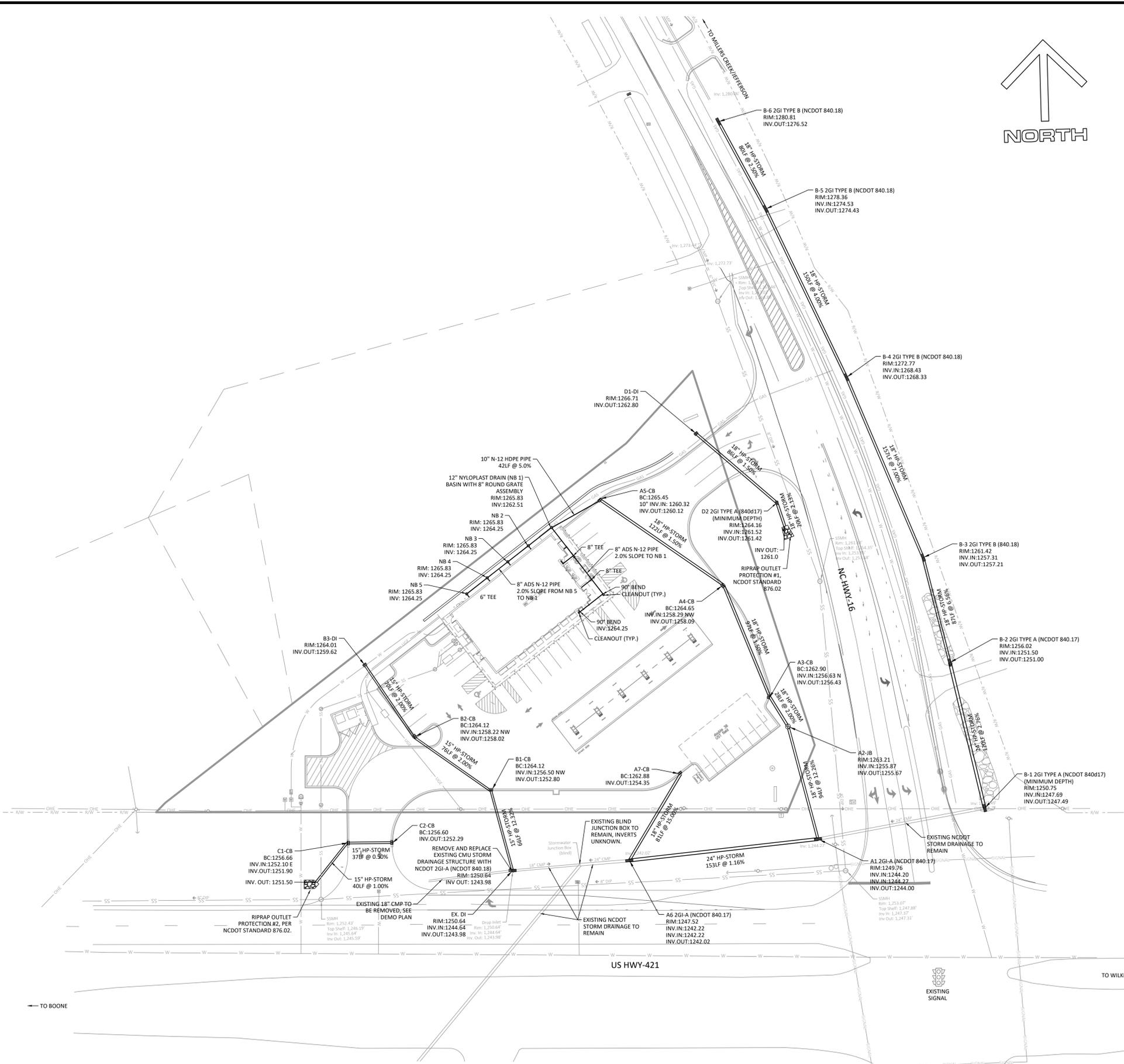
Prepared for:  
**Storm Drainage Plan**  
**Proposed Sheetz**  
US 421 Hwy at NC 16  
Wilkesboro, NC

SHEET  
**C-9**

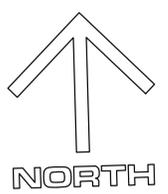
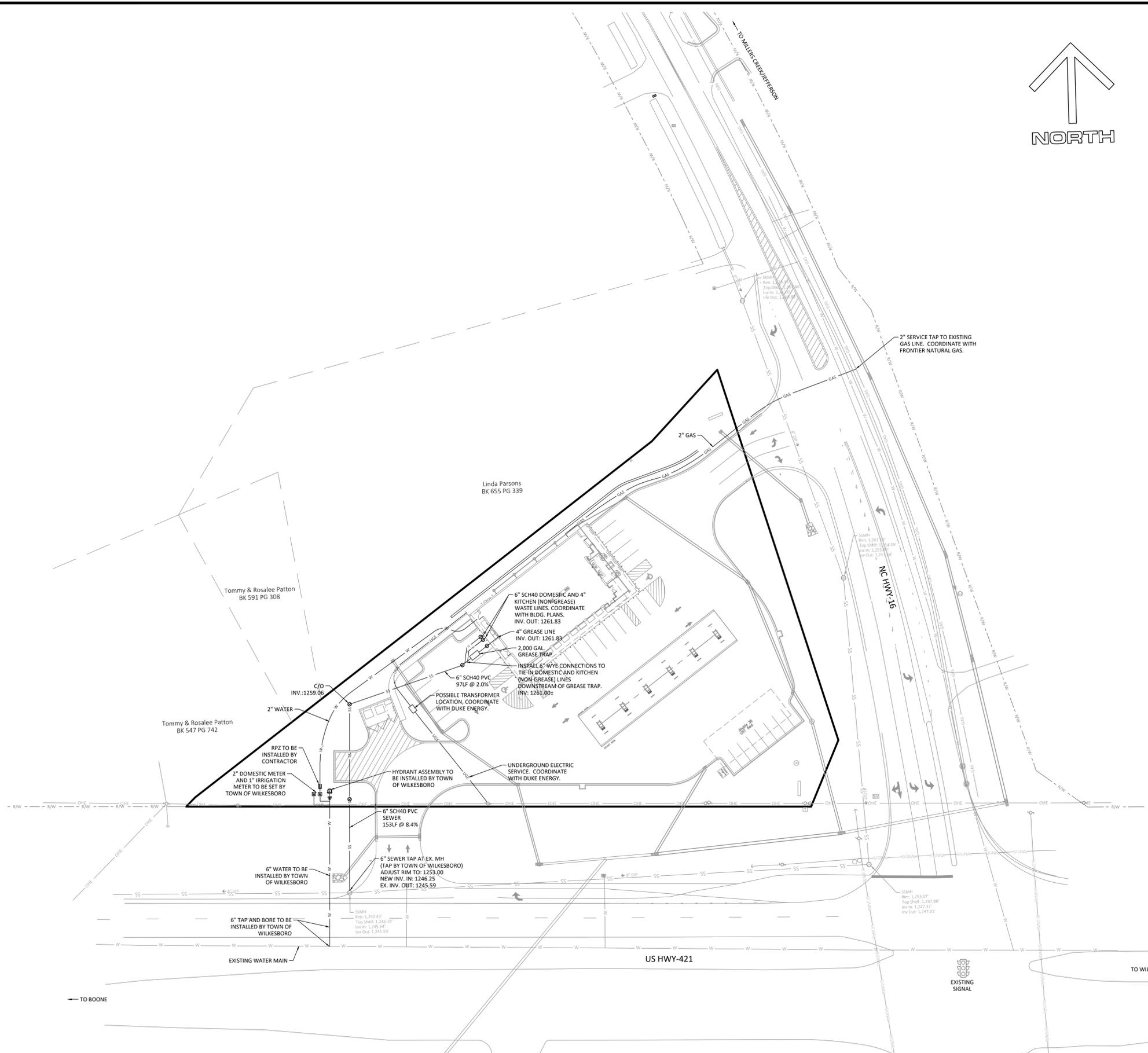


**STORM DRAINAGE NOTES**

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY, METHODS, MEANS, PROCEDURES AND SEQUENCES OF ITS OPERATIONS. CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL FOR ITS OPERATIONS.
2. THE LOCATION OF UTILITIES SHOWN ON THE PLANS SHALL BE CONSIDERED APPROXIMATE. ALL UTILITIES MAY NOT BE SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXISTENCE AND ACTUAL LOCATION OF ALL EXISTING UTILITY LINES WHETHER SHOWN ON THE PLANS OR NOT. CONTRACTOR SHALL CONTACT ULCO.
3. DURING STORM DRAIN PIPING INSTALLATION, PIPE ENDS SHALL BE PROTECTED OVERNIGHT WITH FILTER FABRIC, WASHED STONE, OR OTHER APPROPRIATE MEASURES TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAINAGE SYSTEM SHOULD A RAINFALL EVENT OCCUR.
4. ALL BACKFILL IN UTILITY TRENCHES SHALL BE TESTED. ALL BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. DRYING OR WETTING OF FILL MATERIAL MAY BE REQUIRED TO COMPLY WITH MOISTURE LIMITS SPECIFIED. IF NO GEOTECHNICAL STUDY HAS BEEN PERFORMED, ALL EARTHWORK PLACED SHALL BE WITHIN 5% OF OPTIMUM MOISTURE AND COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR.
5. ALL WORK IS SUBJECT TO INSPECTION OF THE OWNER, ENGINEER AND AUTHORITIES HAVING JURISDICTION. THE OWNER SHALL PAY FOR ALL QUALITY ASSURANCE TESTING REQUIRED.
6. ALL DRAINAGE STRUCTURES SHALL BE PRE-CAST AND SHALL CONFORM TO NCDOT STANDARD #840 UNLESS OTHERWISE APPROVED BY THE ENGINEER. ALL DRAINAGE STRUCTURES AND PIPING SHALL BE DESIGNED FOR HEAVY DUTY TRAFFIC LOADING.
7. ALL STORM DRAIN BOX INVERTS SHALL BE GROUTED OR FILLED WITH CONCRETE SO THAT THERE IS NO SUMP WITH STANDING WATER UPON COMPLETION.
8. WHERE PIPE CONNECTIONS ARE MADE AT BOXES, VOID SPACES SHALL BE GROUTED SOLID WITH MINIMUM 6" MASONRY/GROUT.
9. ALL STORM DRAINAGE PIPE SHALL BE ADS HP STORM GRAY POLYPROPYLENE (ADS HP STORM) PER ASTM F2881 WITH WATERTIGHT JOINTS. INSTALLATION AND FILL HEIGHTS SHALL CONFORM TO MANUFACTURER'S GUIDELINES AND ASTM D2321. SEE HP STORM INSTALLATION GUIDE STD 1301B. REINFORCED CONCRETE PIPE, CLASS III, MAY BE SUBSTITUTED WITH DESIGN ENGINEER'S APPROVAL. ANY OTHER SUBSTITUTIONS SHALL BE APPROVED BY THE DESIGN ENGINEER. STORM DRAINAGE BOXES AND GRATES MAY BE REUSED IF FOUND TO BE SUITABLE BY THE ENGINEER, UNLESS OTHERWISE NOTED.
10. CONCRETE ANCHOR FOOTINGS SHALL BE INSTALLED ON ALL STORM DRAINAGE PIPING EXCEEDING 20% SLOPE.
11. ALL CATCH BASIN FRAMES, GRATES, AND HOODS SHALL CONFORM TO NCDOT STANDARD #840.03, TYPE E, UNLESS OTHERWISE NOTED.



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**UTILITY NOTES**

- CONSTRUCTION SHALL NOT COMMENCE UNTIL A NON-DISCHARGE PERMIT HAS BEEN ISSUED AND A PRECONSTRUCTION CONFERENCE HAS BEEN HELD WITH THE NCECO, CONTRACTOR, AND ENGINEER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY, METHODS, MEANS, PROCEDURES AND SEQUENCES OF ITS OPERATIONS. CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL FOR ITS OPERATIONS.
- THE LOCATION OF UTILITIES SHOWN ON THE PLANS SHALL BE CONSIDERED APPROXIMATE. ALL UTILITIES MAY NOT BE SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXISTENCE AND ACTUAL LOCATION OF ALL EXISTING UTILITY LINES WHETHER SHOWN ON THE PLANS OR NOT. CONTRACTOR SHALL CONTACT ULOCO.
- DURING PIPE LAYING, PIPE ENDS SHALL BE PROTECTED OVERNIGHT WITH APPROPRIATE MEASURES TO PREVENT WATER, DIRT OR OTHER DEBRIS FROM ENTERING THE SYSTEM.
- ALL BACKFILL IN UTILITY TRENCHES SHALL BE TESTED. ALL BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. DRYING OR WETTING OF FILL MATERIAL MAY BE REQUIRED TO COMPLY WITH MOISTURE LIMITS SPECIFIED. IF NO GEOTECHNICAL STUDY HAS BEEN PERFORMED, ALL EARTHWORK PLACED SHALL BE WITHIN 5% OF OPTIMUM MOISTURE AND COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR.
- ALL WORK IS SUBJECT TO INSPECTION OF THE OWNER, ENGINEER AND AUTHORITIES HAVING JURISDICTION. THE OWNER SHALL PAY FOR ALL QUALITY ASSURANCE TESTING REQUIRED.
- ALL MANHOLES SHALL CONFORM TO NCDOT STANDARD #1525 UNLESS OTHERWISE NOTED. ALL MANHOLE INVERTS SHALL BE GROUTED OR FILLED WITH CONCRETE SO THAT THERE IS NO SUMP WITH STANDING WATER UPON COMPLETION.
- ALL PIPE MATERIALS SHALL BE AS SPECIFIED ON THE PLANS. NO SUBSTITUTIONS SHALL BE ALLOWED. ALL FIRE LINES SHALL COMPLY WITH NFPA 24 AND STATE BUILDING CODE: FIRE CODE.
- ALL WATER LINE 6" AND LARGER SHALL HAVE RESTRAINED JOINTS, "MEGALUG" OR EQUAL.
- MINIMUM SLOPE FOR ANY SEWER LINE SHALL BE 1.0% UNLESS OTHERWISE SHOWN. CONCRETE ANCHOR FOOTINGS SHALL BE INSTALLED ON ALL SEWER LINES EXCEEDING 20% SLOPE.
- WATER/SEWER CROSSINGS: WHERE SEWER MAINS CROSS OVER WATER MAINS, OR WHERE LESS THAN 18" VERTICAL SEPARATION IS PROVIDED, BOTH WATER MAIN AND SEWER MAIN SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS, SUCH AS THE USE OF DUCTILE IRON PIPE OR C-900, A MINIMUM OF 10 FEET IN EACH DIRECTION.
- SEWER/STORM CROSSINGS: WHERE SEWER MAINS AND STORM DRAINS CROSS WITH LESS THAN 18" VERTICAL SEPARATION PROVIDED, SEWER MAINS SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS, SUCH AS THE USE OF DUCTILE IRON PIPE OR C-900, A MINIMUM OF 10 FEET IN EACH DIRECTION.
- WATER/STORM CROSSINGS: WHERE WATER MAINS AND STORM DRAINS CROSS WITH LESS THAN 12" VERTICAL SEPARATION PROVIDED, WATER MAINS SHALL BE DUCTILE IRON PIPE, A MINIMUM OF 10 FEET IN EACH DIRECTION.
- ALL SERVICE CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH STATE AND LOCAL CODES. CLEANOUTS SHALL BE INSTALLED ON ALL SEWER SERVICE LINES 6" AND SMALLER, AT MINIMUM 75' SPACING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL PROVIDE ALL APPARATUS NECESSARY FOR ALL PRESSURE TESTING, LEAKAGE TESTING, AND BIOLOGICAL TESTING. ALL TESTING SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER OR HIS REPRESENTATIVE.
- CONTRACTOR SHALL COORDINATE ALL WORK AS NECESSARY WITH: POWER COMPANY; TELEPHONE COMPANY; GAS COMPANY; ETC.

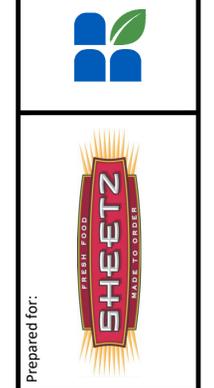
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|----------------------|--|
| DRAWN BY:            | MDS  |
| PROJECT #:           | 22013  |
| ORIGINAL ISSUE DATE: | 09/16/2022   |
| REVISIONS:           | <ul style="list-style-type: none"> <li>11/17/2022 REVISIONS PER NCDOT AND DEQ</li> <li>11/19/2022 REVISIONS PER DEQ</li> <li>12/02/2022 REVISIONS PER NCDOT</li> <li>12/06/2022 REVISIONS PER NCDOT</li> </ul> |

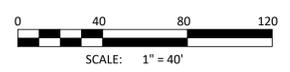


Prepared for:

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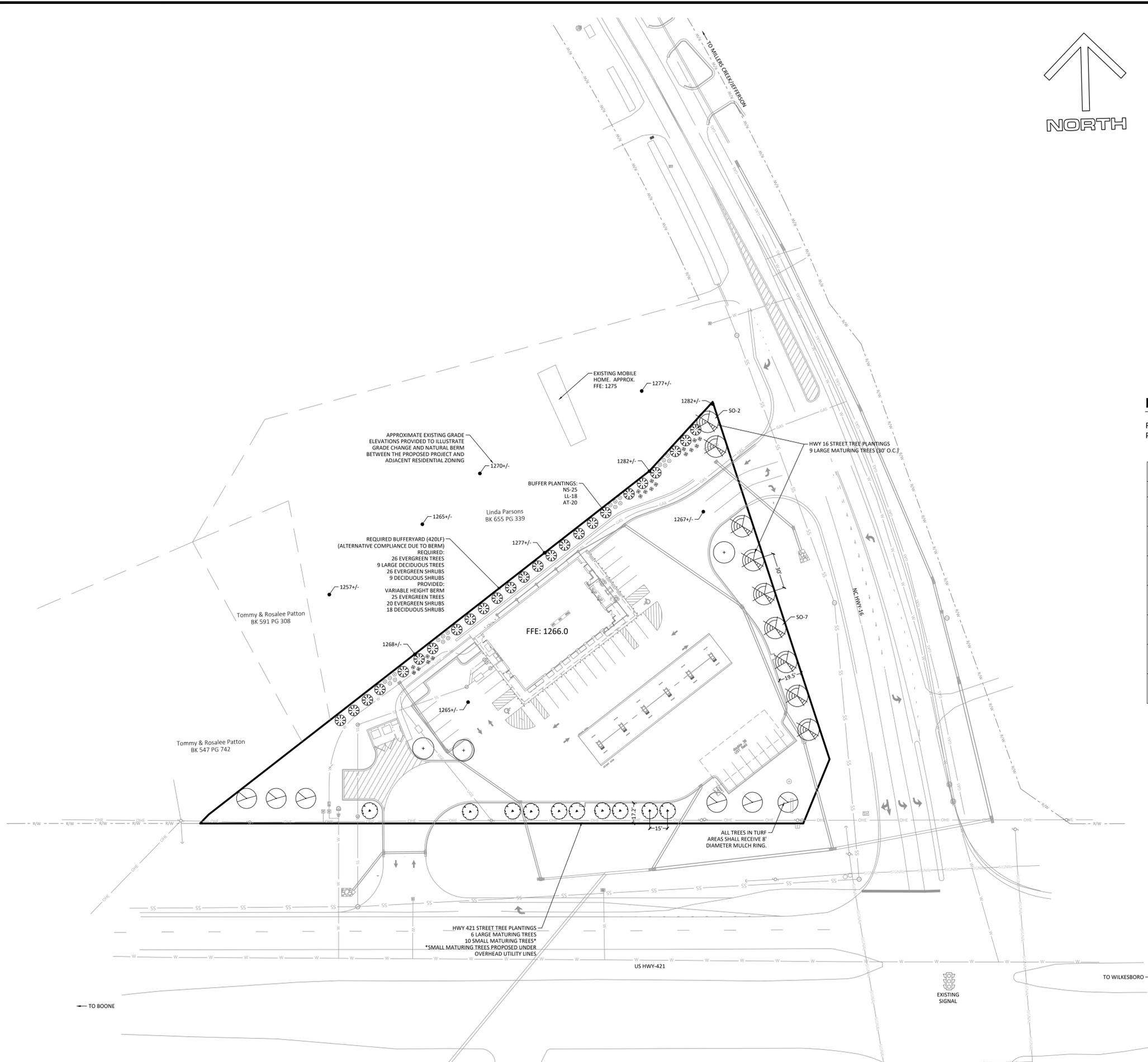
Utility Plan  
 Proposed Sheetz  
 US 421 Hwy at NC 16  
 Wilkesboro, NC



SHEET

**C-10**

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION



**LANDSCAPING NOTES**

- ALL TREES, SHRUBS, AND PLANTS SHALL CONFORM TO ACCEPTED STANDARDS ESTABLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
- ALL PLANTING BEDS SHALL RECEIVE 4" OF DOUBLE-GROUND HARDWOOD BARK MULCH. ALL AREAS OTHER THAN PLANT BEDS SHALL BE SODDED OR SEEDED AS SPECIFIED.
- ALL TREES IN LAWN AREAS SHALL RECEIVE 8' DIAMETER MULCH RING, 4" DEPTH.
- ALL ROOT BALLS REMOVED FROM CONTAINERS SHALL BE SCARIFIED PRIOR TO PLANTING AND BACKFILLING. ALL PLANTS SHALL BE SOAKED WITH WATER IMMEDIATELY AFTER PLANTING. AN 4" DIAMETER MULCH RING (MIN. 4" DEPTH) SHALL BE INSTALLED AROUND ALL TREES.
- LOCATIONS OF UTILITIES SHOWN ARE BASED ON EVIDENCE OBSERVED AT THE TIME OF SURVEY. OTHER UTILITIES MAY EXIST THAT ARE NOT SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXISTENCE AND ACTUAL LOCATION OF ALL EXISTING UTILITY LINES, AND TO PROTECT THESE LINES DURING CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN AND GUARANTEE ALL PLANTINGS FOR ONE YEAR AFTER INSTALLATION AND SHALL REPLACE PLANTINGS AS NECESSARY.
- TREES AND SHRUBS TO BE TRANSPLANTED SHALL BE TRANSPLANTED AS SOON AS POSSIBLE AFTER CONSTRUCTION BEGINS. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL, STORAGE, WATERING, PLANTING, AND MAINTENANCE OF EXISTING TREES AND SHRUBS TO BE TRANSPLANTED.

**PARKING LOT PLANTINGS**

REQUIRED PROVIDED 3 (1 PER 15 SPACES)  
3

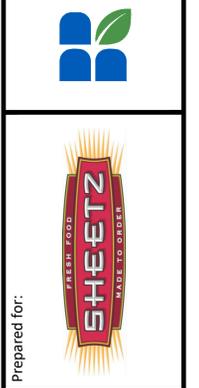
| PLANTING LIST |     |   |   |
|---------------|-----|---|---|
| SYM.          | QTY | NAME  | SIZE AT PLANTING  |
|               | 9   | SHUMARD OAK (SO)<br>Quercus shumardii                         | 8' MIN. HEIGHT<br>2" MIN. CALIPER AT<br>6" ABOVE GROUND |
|               | 6   | RED MAPLE 'OCTOBER GLORY' (RM)<br>Acer Rubrum 'october glory' | 8' MIN. HEIGHT<br>2" MIN. CALIPER AT<br>6" ABOVE GROUND |
|               | 3   | AMERICAN ELM (AE)<br>ulmus americana                          | 8' MIN. HEIGHT<br>2" MIN. CALIPER AT<br>6" ABOVE GROUND |
|               | 10  | KOUSA DOGWOOD (CD)<br>cornus kousa                            | 8' MIN. HEIGHT<br>2" MIN. CALIPER AT<br>6" ABOVE GROUND |
|               | 25  | NELLIE STEVENS HOLLY (NS)<br>Ilex x Nellie R. Stevens         | 4' MIN. HEIGHT<br>25 GAL.                               |
|               | 18  | LITTLE LIME HYDRANGEA (LL)<br>'hydrangea' paniculata 'Jane'   | 3 GALLON  |
|               | 20  | DYSTYLIIUM ATHENS TOWER (AT)<br>'athens tower' dystilium      | 3 GALLON  |

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