

SITE UTILITY NOTES

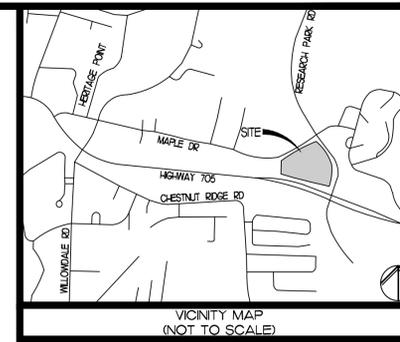
- ALL SITE WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS PREPARED BY FREELAND & KAUFFMAN, INC. THE CURRENT REQUIREMENTS OF MORGANTOWN UTILITY BOARD, CITY OF MORGANTOWN AND ALL OTHER PERTINENT FEDERAL AND STATE LAWS.
- THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS, AND POLICES GOVERNING SAFETY AND HEALTH, INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-554), FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF A BID. SUBMISSION OF A BID SHALL BE CONSIDERED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH CONDITIONS AND CONSTRAINTS OF THE SITE.
- BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" AT 811 AND MORGANTOWN UTILITY BOARD. THE LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BID AND PERFORM ALL UTILITY WORK IN COMPLIANCE TO ALL APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH THE INSTALLATION, INSPECTING, TESTING AND FINAL ACCEPTANCE OF ALL PROPOSED UTILITIES CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE UTILITY COMPANY ON THE ADDITION, REMOVAL AND/OR RELOCATION OF UTILITIES AND UTILITY POLES AND THE EXTENSION OF ALL PROPOSED UTILITIES TO OWNER STORE.
- ALL UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE RESPECTIVE UTILITY COMPANY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL UTILITIES ARE INSTALLED CORRECTLY TO MEET PROJECT REQUIREMENTS WHETHER PERFORMED BY THE CONTRACTOR OR NOT.
- AN AS-BUILT DRAWINGS OF NEW UTILITY SERVICES SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER UPON COMPLETION OF THE PROJECT.
- UTILITY COMPANIES AND CONTACTS ARE LISTED ON COVER SHEET.
- CONDUIT LOCATIONS TO Pylon SIGNS AND SITE LIGHT POLES TO BE COORDINATED WITH OWNER.
- CONTRACTOR SHALL COORDINATE WITH OWNER ON TYPE AND SIZE OF THE GREASE TRAP. ALL SANITARY SEWER PIPE SPECIFICATION PROVIDED ELSEWHERE.
- CONTRACTOR SHALL COORDINATE WITH OWNER ON CONDUIT ROUTE TO STORE FROM THE TRANSFORMER AND/OR SERVICE UTILITY POLE FOR TELEPHONE AND ELECTRICAL SERVICES.

- CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.
- ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE. UTILITY COMPANIES AND CONTACTS ARE LISTED ON THE COVER SHEET.
- SANITARY SEWER PIPE SHALL BE AS FOLLOWS:
 6" PVC SDR26 PER ASTM D 3034, FOR PIPES LESS THAN 12' DEEP
 8" PVC SDR26 PER ASTM D 3034, FOR PIPES MORE THAN 12' DEEP
 8" DUCTILE IRON PIPE PER AWWA C90, FOR PIPES MORE THAN 18' DEEP
 4" & 6" PVC SDR35
- WATER LINES SHALL BE AS FOLLOWS:
 3" AND LARGER - C900 PVC OR DP C90
 SMALLER THAN 3" - PE OR HDPE
- MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
- ALL WATER JOINTS ARE TO BE MECHANICAL JOINTS WITH THRUST BLOCKING AS CALLED OUT IN SPECIFICATIONS.
- WATER AND SEWER LINES SHOULD BE KEPT TEN (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).
- CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3'-0" COVER ON ALL WATERLINES.
- IN THE EVENT OF A VERTICAL CROSSING LESS THAN 18" BETWEEN WATERLINES AND SANITARY LINES (EXISTING AND PROPOSED), THE SANITARY LINE SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINTS AT LEAST 10 FEET ON BOTH SIDES OF CROSSING. THE WATERLINE SHALL HAVE MECHANICAL JOINTS WITH APPROPRIATE THRUST BLOCKING AS REQUIRED. MEETING REQUIREMENTS OF ANSI A21.0 OR ANSI 211 (AWWA C-90) (CLASS 50).
- LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
- TOPS OF EXISTING MANHOLES SHALL BE ADJUSTED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS, AND TO BE ONE FOOT ABOVE FINISHED GROUND ELEVATIONS WITH WATER TIGHT LIDS.
- ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH AT 3000 P.S.I.
- REFER TO INTERIOR PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.

UTILITY LEGEND

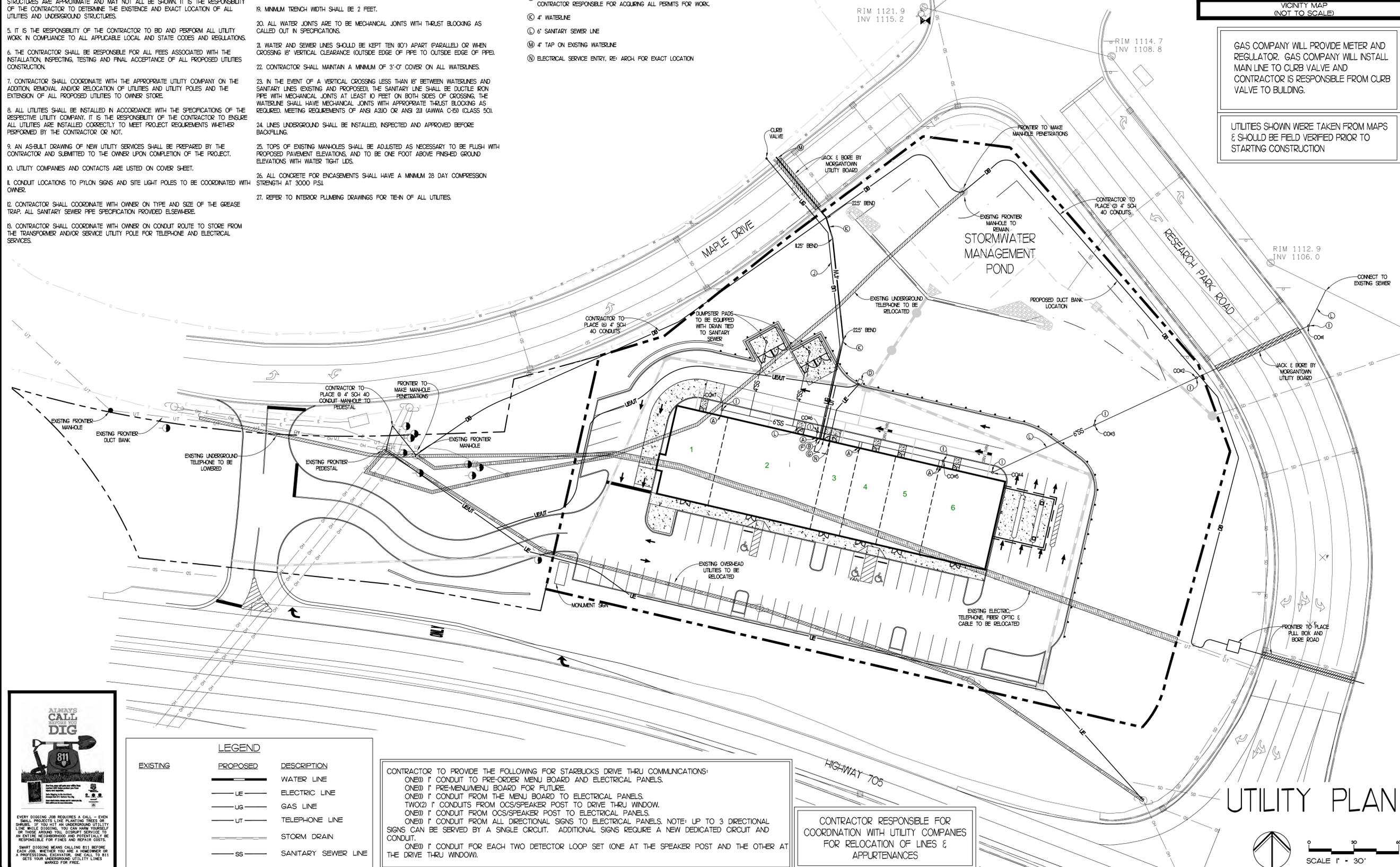
- (A) 6" SANITARY SEWER EXT, RE: ARCH FOR EXACT LOCATION
- (B) 4" WATERLINE ENTRY, RE: ARCH FOR EXACT LOCATION
- (C) 4" DOMESTIC WATER METER
- (D) PAD MOUNTED TRANSFORMER, PENDING MORGANTOWN UTILITY BOARD REVIEW
- (E) CT CABINET FOR ELECTRIC ENTRY, RE: ARCH FOR EXACT LOCATION
- (F) GAS ENTRY, RE: ARCH FOR EXACT LOCATION
- (G) TELEPHONE ENTRY, RE: ARCH FOR EXACT LOCATION
- (H) 4" WATER METER FOR IRRIGATION SYSTEM
- (I) SANITARY SEWER CLEAN-OUT, SEE DETAILS
- (J) NATURAL GAS LINE EXTENSION PENDING COORDINATION WITH DOMINION HOPE. CONTRACTOR RESPONSIBLE FOR ACQUIRING ALL PERMITS FOR WORK.
- (K) 4" WATERLINE
- (L) 6" SANITARY SEWER LINE
- (M) 4" TAP ON EXISTING WATERLINE
- (N) ELECTRICAL SERVICE ENTRY, RE: ARCH FOR EXACT LOCATION

**SHEET 3
PROPOSED SITE
CONDITIONS**



GAS COMPANY WILL PROVIDE METER AND REGULATOR. GAS COMPANY WILL INSTALL MAIN LINE TO CURB VALVE AND CONTRACTOR IS RESPONSIBLE FROM CURB VALVE TO BUILDING.

UTILITIES SHOWN WERE TAKEN FROM MAPS & SHOULD BE FIELD VERIFIED PRIOR TO STARTING CONSTRUCTION



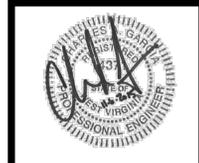
EXISTING	PROPOSED	DESCRIPTION
---	---	WATER LINE
---	---	ELECTRIC LINE
---	---	GAS LINE
---	---	TELEPHONE LINE
---	---	STORM DRAIN
---	---	SANITARY SEWER LINE

CONTRACTOR TO PROVIDE THE FOLLOWING FOR STARBUCKS DRIVE THRU COMMUNICATIONS:
 ONE(1) 1" CONDUIT TO PRE-ORDER MENU BOARD AND ELECTRICAL PANELS.
 ONE(1) 1" PRE-MENU/MENU BOARD FOR FUTURE.
 ONE(1) 1" CONDUIT FROM THE MENU BOARD TO ELECTRICAL PANELS.
 TWO(2) 1" CONDUITS FROM OCS/SPEAKER POST TO DRIVE THRU WINDOW.
 ONE(1) 1" CONDUIT FROM OCS/SPEAKER POST TO ELECTRICAL PANELS.
 ONE(1) 1" CONDUIT FROM ALL DIRECTIONAL SIGNS TO ELECTRICAL PANELS. NOTE: UP TO 3 DIRECTIONAL SIGNS CAN BE SERVED BY A SINGLE CIRCUIT. ADDITIONAL SIGNS REQUIRE A NEW DEDICATED CIRCUIT AND CONDUIT.
 ONE(1) 1" CONDUIT FOR EACH TWO DETECTOR LOOP SET (ONE AT THE SPEAKER POST AND THE OTHER AT THE DRIVE THRU WINDOW).

CONTRACTOR RESPONSIBLE FOR COORDINATION WITH UTILITY COMPANIES FOR RELOCATION OF LINES & APPURTENANCES

REVISIONS	BY

FREELAND and KAUFFMAN, INC.
 Engineers & Landscape Architects
 209 West Stone Avenue
 Greenville, South Carolina 29609
 864-233-5497
 fax 864-233-6916
 NC LICENSE NO. C-1532



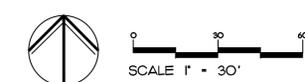
**PROPOSED RETAIL
MORGANTOWN, WV**
 FECH REALTY, LLC
 3280 UNIVERSITY AVENUE
 SUITE 1
 MORGANTOWN, WV 26505
 (304)-599-4929

DRAWN	LRS
CHECKED	BTS
DATE	11/6/2015
SCALE	SCALE
DRAWING	12



EVERY DIGGING JOB REQUIRES A CALL. EVEN SMALL PROJECTS. LINE PLACING, TRENCHING OR LINE WHILE DIGGING. YOU CAN HARM YOURSELF OR THE ARROUND YOU. DIGGING SERVICE TO AN ENTIRE NEIGHBORHOOD AND POTENTIALLY BE RESPONSIBLE FOR FINES AND REPAIR COSTS.
 SMART DIGGING MEANS CALLING 811 BEFORE EACH JOB. WHETHER YOU ARE A HOMEOWNER OR A PROFESSIONAL EXCAVATOR, ONE CALL TO 811 GETS YOUR UNDERGROUND UTILITY LINES MARKED FOR FREE.

UTILITY PLAN



SW.P.P. PLAN NOTES:

1. ALL SITE WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS PREPARED BY FREELAND & KAUFFMAN, INC., THE CURRENT REQUIREMENTS OF THE CITY OF MORGANTOWN AND ALL OTHER PERTINENT FEDERAL AND STATE LAWS.

2. THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS, AND POLICIES GOVERNING SAFETY AND HEALTH INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-54), FEDERAL REGISTER, CHAPTER XVII PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF A BID. SUBMISSION OF A BID SHALL BE CONSIDERED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH CONDITIONS AND CONSTRAINTS OF THE SITE.

4. BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" AT 811 THE LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES.

5. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.

6. EXCEPT AS NOTED BELOW, STABILIZATION SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN SEVEN DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS PERMANENTLY CEASED. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE SEVENTH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS CONDITIONS ALLOW. WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITY CEASED, (E.G., THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY HALTED IS LESS THAN 21 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH DAY AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED. AREAS WHERE THE SEED HAS FAILED TO GERMINATE ADEQUATELY UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% WITHIN 90 DAYS AFTER SEEDING AND MULCHING MUST BE RESEEDED IMMEDIATELY, OR AS SOON AS WEATHER CONDITIONS ALLOW. PERMANENT STABILIZATION FOR ALL DISTURBED AREAS IS TO BE COMPLETE WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER) FOLLOWING COMPLETION OF CONSTRUCTION. DIVERSIONS MUST BE STABILIZED PRIOR TO BECOMING FUNCTIONAL.

7. THE CONTRACTOR SHALL INSPECT, REPAIR AND ADD STONE TO THE STONE CONSTRUCTION ENTRANCE WHEN IT BECOMES SATURATED WITH MUD TO INSURE THAT IT WORKS AS INTENDED.

9. SILT REMOVED FROM INLET PROTECTION AND FROM BEHIND THE SILT FENCES SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH STATE AND FEDERAL STANDARDS.

10. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE CLEANED, INSPECTED AND REPAIRED AFTER EACH SIGNIFICANT RAINFALL (0.50" / 24 H) AND AT LEAST ONCE EVERY SEVEN CALENDAR DAYS.

11. TEMPORARY SEDIMENT CONTROL MEASURES (SLT FENCE, CONSTRUCTION ENTRANCE, ETC.) SHALL BE MAINTAINED UNTIL ALL CONTRIBUTING AREAS ARE GRADED AND STABILIZED.

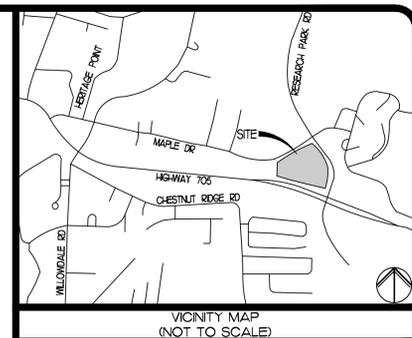
12. IF IT IS ANTICIPATED THAT DEWATERING WILL BE REQUIRED FOR UTILITY INSTALLATION AND POSSIBLY FOR FOOTING, CONTRACTOR IS RESPONSIBLE FOR INSTALLING A DEWATERING SYSTEM.

ACREAGE SUMMARY (IN ACRES)	
TOTAL PROJECT AREA	2.66
ON-SITE DISTURBED AREA	2.66
OFF-SITE DISTURBED AREA	1.63
TOTAL DISTURBED AREA (GAST MATCH NO. 6)	4.36
IMPERVIOUS AREA AT COMPLETION (ON-SITE ONLY)	1.32
PERVIOUS/ SEEDED AREA AT COMPLETION (ON-SITE ONLY)	1.34

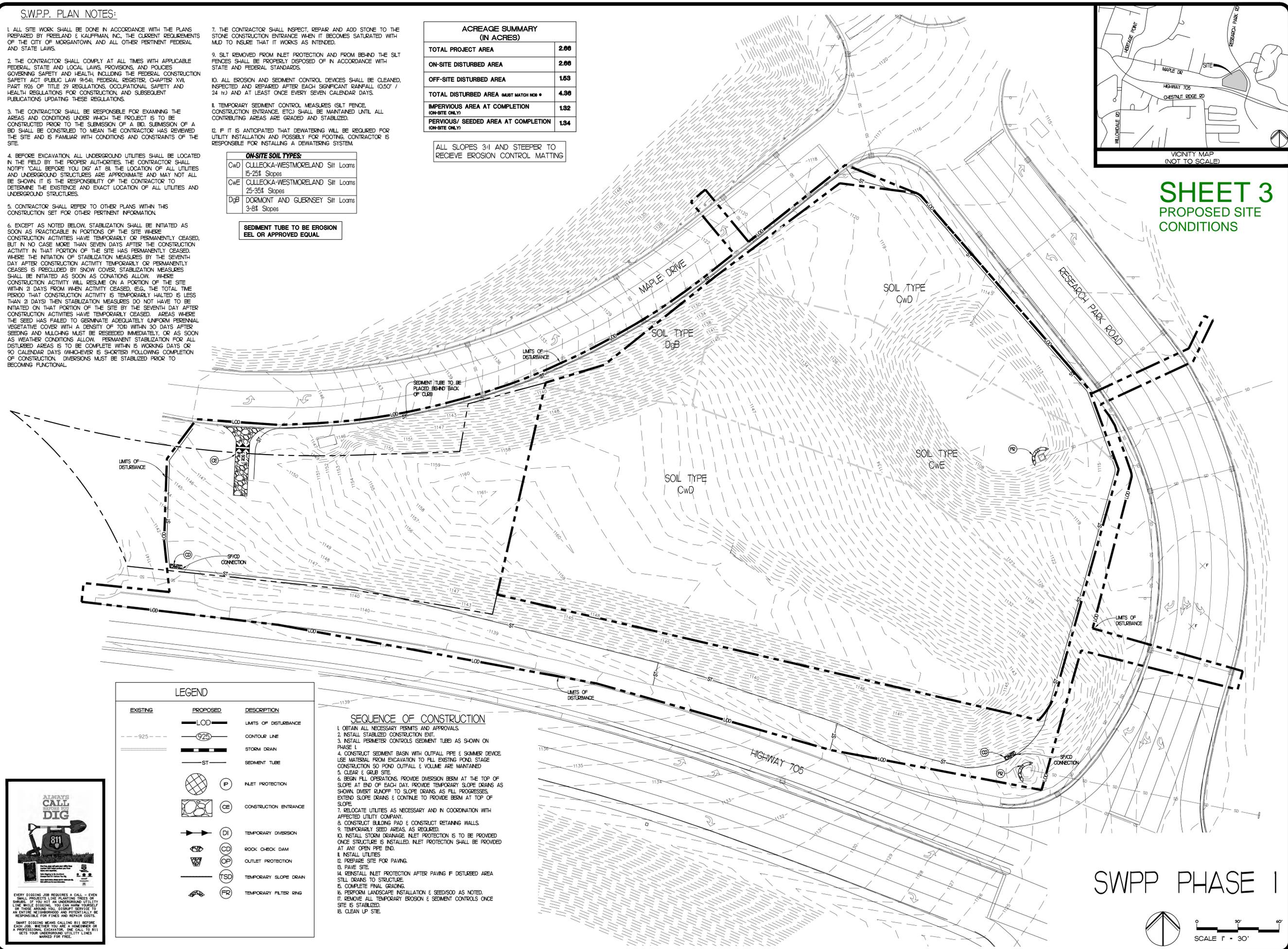
ALL SLOPES 3:1 AND STEEPER TO RECEIVE EROSION CONTROL MATTING

ON-SITE SOIL TYPES:	
CwD	CULLEOKA-WESTMORELAND Silt Loams 15-25% Slopes
CwE	CULLEOKA-WESTMORELAND Silt Loams 25-35% Slopes
DgB	DORMONT AND GUERNSEY Silt Loams 3-8% Slopes

SEDIMENT TUBE TO BE EROSION EEL OR APPROVED EQUAL



SHEET 3
PROPOSED SITE
CONDITIONS



LEGEND

EXISTING	PROPOSED	DESCRIPTION
--- 925 ---	— LOD —	LIMITS OF DISTURBANCE
---	— 925 —	CONTOUR LINE
---	— ST —	STORM DRAIN
---	— ST —	SEDIMENT TUBE
---	⊙ (P)	INLET PROTECTION
---	⊙ (CE)	CONSTRUCTION ENTRANCE
---	→ (DI)	TEMPORARY DIVERSION
---	⊙ (CD)	ROCK CHECK DAM
---	⊙ (OP)	OUTLET PROTECTION
---	— (TSD)	TEMPORARY SLOPE DRAIN
---	⊙ (FR)	TEMPORARY FILTER RING

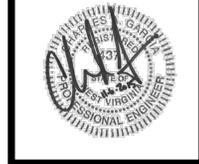
SEQUENCE OF CONSTRUCTION

- OBTAIN ALL NECESSARY PERMITS AND APPROVALS.
- INSTALL STABILIZED CONSTRUCTION EXIT.
- INSTALL PERIMETER CONTROLS (SEDIMENT TUBE) AS SHOWN ON PHASE 1.
- CONSTRUCT SEDIMENT BASIN WITH OUTFALL PIPE & SKIMMER DEVICE. USE MATERIAL FROM EXCAVATION TO FILL EXISTING POND. STAGE CONSTRUCTION SO POND OUTFALL & VOLUME ARE MAINTAINED.
- CLEAR & GRUB SITE.
- BEGIN FILL OPERATIONS. PROVIDE DIVERSION BERM AT THE TOP OF SLOPE AT END OF EACH DAY. PROVIDE TEMPORARY SLOPE DRAINS AS SHOWN. DIVERT RUNOFF TO SLOPE DRAINS AS FILL PROGRESSES. EXTEND SLOPE DRAINS & CONTINUE TO PROVIDE BERM AT TOP OF SLOPE.
- RELOCATE UTILITIES AS NECESSARY AND IN COORDINATION WITH AFFECTED UTILITY COMPANY.
- CONSTRUCT BUILDING PAD & CONSTRUCT RETAINING WALLS.
- TEMPORARILY SEED AREAS, AS REQUIRED.
- INSTALL STORM DRAINAGE INLET PROTECTION IS TO BE PROVIDED ONCE STRUCTURE IS INSTALLED. INLET PROTECTION SHALL BE PROVIDED AT ANY OPEN PIPE END.
- INSTALL UTILITIES.
- PREPARE SITE FOR PAVING.
- PAVE SITE.
- REINSTALL INLET PROTECTION AFTER PAVING IF DISTURBED AREA STILL DRAINS TO STRUCTURE.
- COMPLETE FINAL GRADING.
- PERFORM LANDSCAPE INSTALLATION & SEED/SOD AS NOTED.
- REMOVE ALL TEMPORARY EROSION & SEDIMENT CONTROLS ONCE SITE IS STABILIZED.
- CLEAN UP SITE.



REVISIONS	BY

FREELAND and KAUFFMAN, INC.
Engineers & Landscape Architects
209 West Stone Avenue
Greenville, South Carolina 29609
864-233-5497
fax 864-233-6916
NC LICENSE NO. C-1532



**PROPOSED RETAIL
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FECH REALTY, LLC
3280 UNIVERSITY AVENUE
SUITE 1
MORGANTOWN, WV 26505
(304)-599-4929

DRAWN
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SCALE

DRAWING
2

SWPP PHASE I
SCALE 1" = 30'