

SITE GRADING 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, THE APPLICABLE SECTIONS OF THE WVDOT STANDARD SPECIFICATIONS FOR ROADWAY CONSTRUCTION, PERTINENT FEDERAL AND STATE LAWS, AND THE CONTRACT SPECIFICATIONS.
2. 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 94-54), FEDERAL REGISTER, CHAPTER XVI, 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. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
5. ALL EXISTING TREES, VEGETATION, PAVEMENTS, CONCRETE FOUNDATIONS, STRUCTURES AND ORGANIC TOPSOIL SHALL BE STRIPPED AND REMOVED FROM NEW CONSTRUCTION AREAS UNLESS NOTED OTHERWISE.

6. ALL SLOPES SHALL BE 2H (HORIZONTAL:VERTICAL) MAXIMUM UNLESS NOTED OTHERWISE.
7. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL BE SEEDED. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3:1H OR STEEPER. CONTRACTOR SHALL SEED & MULCH DISTURBED AREAS UNTIL A HEALTHY STAND OF GRASS IS OBTAINED UNLESS OTHERWISE NOTED IN THE CONSTRUCTION DRAWINGS OR INSTRUCTED BY THE OWNER.
8. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
9. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
10. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
11. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL NOTES, PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
12. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
13. TOPOGRAPHIC INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY BY ROBERT MURPHY, P.L.L.C. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW.
14. ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.
15. ALL PROPOSED DRAINAGE STRUCTURES ARE SHOWN FOR REFERENCE PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR ACCURATE LOCATION OF THE STRUCTURES SUCH THAT THE APPLICABLE CASTING IS CORRECTLY ALIGNED WITH SURFACE FEATURES AS DESIGNED.
16. STORM PIPE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
 TYPE 1: REINFORCED CONCRETE PIPE (RCP) CLASS II, WALL B PER ASTM C-76, WITH FLEXIBLE PLASTIC BITUMEN GASKETS AT JOINTS PER ASTM C443 OR "TONGUE & GROOVE" TYPE FILLED WITH CEMENT MORTAR.
 TYPE 2: HIGH DENSITY POLYETHYLENE PIPE (HDPE) SMOOTH INTERIOR/ANNULAR EXTERIOR PER AASHTO M252 TYPE S, M24 TYPE 2 & M71-97 TYPE S WITH PIPE JOINTS & FITTINGS PER AASHTO M252 & M234.

NOTE: WVDOT WORK SHALL BE PERFORMED TO THE 2010 ISSUE OF THE STANDARD SPECIFICATIONS AND THE 2012 SUPPLEMENTAL SPECIFICATIONS.

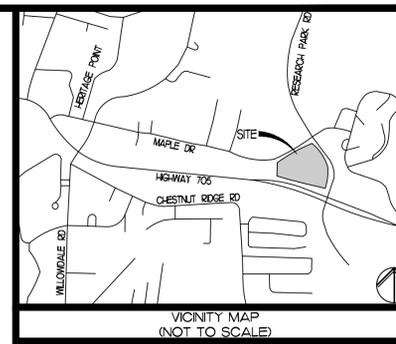
NOTE: WVDOT WORK SHALL BE CONTROLLED BY THE MARCH 1, 2003 ISSUE OF THE EROSION & SEDIMENT CONTROL MANUAL, INCLUDING ADDENDUM I, DATED SEPTEMBER 1, 2004.

ALL DOWNSPOUT COLLECTOR PIPE TO BE PVC SCH 40

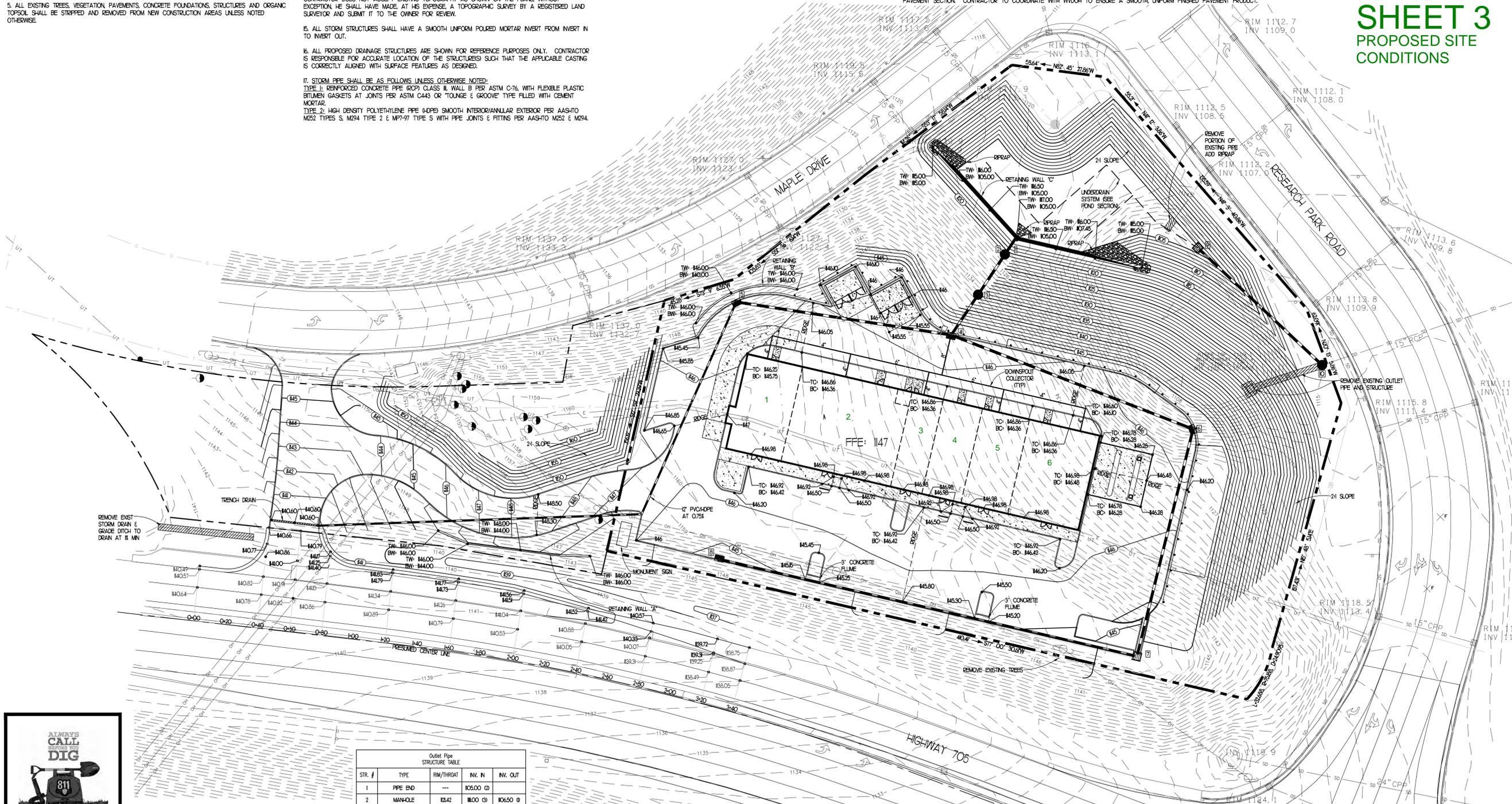
EXCESSIVELY HEAVY GRADING EQUIPMENT THAT COULD IMPOSE TEMPORARY EXCESSIVE PRESSURES OR LONG-TERM EXCESSIVE PRESSURES AGAINST THE CONSTRUCTED WALLS SHOULD NOT BE ALLOWED WITHIN 5 FEET OF THE WALLS.

ROADWAY GRADING NOTES:

1. CONTRACTOR TO ENSURE ALL ROADWAY WIDENING TENS HAVE A NEAT, SMOOTH & UNIFORM LINE BOTH HORIZONTALLY & VERTICALLY.
2. FOR CLARITY PURPOSES, PROPOSED CONTOURS DO NOT REFLECT ANY PROPOSED ASPHALT ON EXISTING TRAVEL WAYS WHERE THE SCOPE OF WORK DOES NOT INVOLVE REALIGNMENT OF EXISTING ROADWAYS.
3. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH WVDOT STANDARDS & SPECIFICATIONS.
4. GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN ADJACENT RIGHT-OF-WAYS PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY EXCAVATING COMPANY AND LOCATE ALL UTILITIES PRIOR TO GRADING START.
5. ALL STORM DRAIN PIPES WITHIN WVDOT RIGHT-OF-WAYS SHALL BE REINFORCED CONCRETE PIPE (RCP) CLASS IV PER ASTM 76 WITH BUTYL MASTIC SEALANT PER ASTM C990-04 OR AASHTO M98.
6. ALL EXISTING VALVES, MANHOLE RINGS AND THE LIKE TO REMAIN ARE TO BE ADJUSTED TO MATCH PROPOSED GRADES IN ACCORDANCE TO WVDOT STANDARDS & SPECIFICATIONS TO THE SATISFACTION OF WVDOT.
7. CONTRACTOR IS REQUIRED TO RELOCATE ALL UTILITIES IN CONFLICT WITH PROPOSED IMPROVEMENTS TO THE SATISFACTION OF WVDOT AND THE UTILITY OWNER.
8. ALL PROPOSED DRAINAGE STRUCTURES ARE SHOWN FOR REFERENCE PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR ACCURATE LOCATION OF THE STRUCTURE SUCH THAT THE APPLICABLE CASTING IS CORRECTLY ALIGNED WITH SURFACE FEATURES AS DESIGNED.
9. MILLING OF EXISTING ASPHALT AND APPLICATIONS OF ASPHALT LEVELING COURSES MAY BE REQUIRED TO ACHIEVE A UNIFORM PAVEMENT SECTION. CONTRACTOR TO COORDINATE WITH WVDOT TO ENSURE A SMOOTH, UNIFORM FINISHED PAVEMENT PRODUCT.

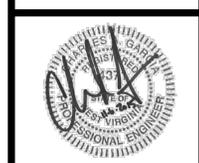


**SHEET 3
PROPOSED SITE
CONDITIONS**



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



LEGEND

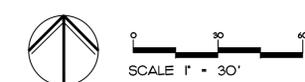
EXISTING	PROPOSED	DESCRIPTION
925.00x	925.00	CONTOUR LINE
925.00	925.00	SPOT ELEVATION
—	—	STORM DRAIN INLET
—	—	STORM DRAIN PIPE

Outlet Pipe Structure Table

STR. #	TYPE	RIM/THROAT	INV. IN	INV. OUT
1	PIPE END	---	105.00 (2)	106.50 (8)
2	MAN-HOLE	124.2	110.00 (3)	106.50 (2)
3	MAN-HOLE	130.0	122.50 (4)	115.50 (2)
4	COMBINATION INLET	145.5	133.72 (3) 133.72 (3)	127.00 (3)
5	COMBINATION INLET	145.00	135.55 (4)	135.55 (4)
6	COMBINATION INLET	145.5	136.78 (7)	135.33 (4)
7	COMBINATION INLET	144.25	138.33 (3)	138.23 (3)
8	COMBINATION INLET	144.60	141.00 (7)	141.00 (7)
9	OUTLET STRUCTURE	109.00	103.00 (3)	103.00 (3)
10	MAN-HOLE	149.0	102.47 (9)	102.47 (9)

TRENCH DRAIN TO BE 12" HEAVY DUTY RATED & BOLTED DOWN.

GRADING PLAN



DRAWN	
LRG	
CHECKED	
BTS	
DATE	
11/6/2015	
SCALE	
DRAWING	
14	