GRADING & UTILITY NOTES LOCATIONS OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF KARKENNY, SHABO & SANAA ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICE D.B. #201314162 CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN FIELD PARCEL ID: 050.05-01-18.00-0000 PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO THE ENGINEER. CONSTRUCTION SHALL COMMENCE BEGINNING AT ZONED: R−1 THE LOWEST INVERT (POINT OF CONNECTION) AND PROGRESS UP GRADIENT. ALL PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION. TO MEET EXISTING GRADE ALL UTILITIES AND SERVICES INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF SEE REFUSE ENCLOSURE — **EASEMENT** EX. 20' LANDSCAPE \ SETBACK DISTURBANCE SHALL BE VERTICALLY AND HORIZONTALLY LOCATED. THE CONTRACTOR SHALL GRADING DETAIL THIS SHEET USE AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING UTILITIES DURING CONSTRUCTION AT NO COST TO THE OWNER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY SCALE: 1" = 20' TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE 5200 Buffington Rd SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL Atlanta Georgia, EX. FIRE HYDRANT 30349-2998 DEFINE AND LOCATE VERTICALLY AND HORIZONTALLY ALL ACTIVE UTILITY AND/OR SERVICE SYSTEMS THAT ARE TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND PROP. VALVE - PROP. HEADWAI EX. VALVE MAINTAIN ALL ACTIVE SYSTEMS THAT ARE NOT BEING REMOVED/RELOCATED DURING SITE PROP. MANHOLE THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE APPLICABLE UTILITY SERVICE PROVIDER REQUIREMENTS AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY EX. STORM MANHOLE DEMOLITION AS IDENTIFIED OR REQUIRED FOR PROJECT. THE CONTRACTOR SHALL PROVIDE THE EX. SANITARY MANHOLE OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN PROP. INSERT-A-TEE CONNECTION -TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTION AND UTILITY COMPANY PROP. 10' PRIVATE WATER LINE EASEMENT EX. CURB INLET CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF SITE PLAN DOCUMENTS AND ARCHITECTURAL DESIGN FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS, GREASE TRAP REQUIREMENTS/DETAILS, DOOR ACCESS, AND EXTERIOR GRADING. THE UTILITY SERVICE SIZES ARE TO BE DETERMINED BY THE ARCHITECT. THE CONTRACTOR SHALL COORDINATE PROP. DUMPSTER ENCLOSURE & GRADING EASEMENT EX. POWER POLE INSTALLATION OF UTILITIES/SERVICES WITH THE INDIVIDUAL COMPANIES, TO AVOID CONFLICTS EX. LIGHT POLE AND ENSURE PROPER DEPTHS ARE ACHIEVED. THE JURISDICTION UTILITY REQUIREMENTS SHALL - EX. CONC. -ALSO BE MET, AS WELL AS COORDINATING THE UTILITY TIE-INS/CONNECTIONS PRIOR TO PAVEMENT EX. GRADE CONNECTING TO THE EXISTING UTILITY/SERVICE. WHERE CONFLICTS EXIST WITH THESE SITE PLANS, ENGINEER IS TO BE NOTIFIED PRIOR TO CONSTRUCTION TO RESOLVE SAME. PROP. TOP OF CURB ELEV. PROP. BOTTOM OF CURB ELEV WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER REQUIREMENTS SHALL BE SPECIFIED BY THE LOCAL UTILITY COMPANY. CONTRACTOR'S PRICE FOR WATER SERVICE SHALL INCLUDE PROP. FINISHED ELEVATION ALL FEES AND APPURTENANCES REQUIRED BY THE UTILITY TO PROVIDE A COMPLETE WORKING EX. BOLLARD — SPILLING SECTION DETENTION SYSTEM 8. ALL NEW UTILITIES/SERVICES, INCLUDING ELECTRIC, TELEPHONE, CABLE TV, ETC. ARE TO BE CATCHING SECTION INSTALLED UNDERGROUND. ALL NEW UTILITIES/SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE UTILITY/SERVICE PROVIDER INSTALLATION SPECIFICATIONS AND STANDARDS. S08 N-144 **-----**POSITIVE DRAINAGE TWISTED SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS - - - ST - - - - ST - -EX. STORM SEWER REVERSE AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT, THE CONTRACTOR PROP. STORM SEWER SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING WITH SUITABLE MATERIALS AS F/F 1037.00 SPECIFIED IN THE GEOTECHNICAL REPORT. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED AS OUTLINED IN THE GEOTECHNICAL REPORT. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL BE SUBMITTED IN COMPACTION REPORT PREPARED BY A QUALIFIED EALTH GEOTECHNICAL ENGINEER, REGISTERED WITH THE STATE WHERE THE WORK IS PERFORMED, verifying that all filled areas and subgrade areas within the building pad area AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT. PROP. CONTOURS SUBBASE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT SHALL BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE BY OWNER OR EX. CONTOURS OWNER'S REPRESENTATIVE, SUBBASE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL COMPACTED AS DIRECTED BY THE GEOTECHNICAL REPORT. ALL FILL, COMPACTION, AND BACKFILL MATERIALS REQUIRED FOR UTILITY INSTALLATION SHALL BE AS PER THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT AND SHALL BE COORDINATED WITH THE APPLICABLE UTILITY COMPANY SPECIFICATIONS. PROP. LIMITS OF GEOGRID GRADING DETAIL THIS SHEET REINFORCEMENT LANDSCAPE_ THE CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST OSHA STANDARDS SETBACK SEE STORM SEWER PROFILES -PROP. ROW AND REGULATIONS, OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS ON SHEET C-3.9 PROP. PERMEABLE PAVER PAVEMENT -AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS USE FERNCO COUPLER -WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING EX. BUILDING FOR RIGHT-OF-WAY PROP. OBSERVATION WEL PAVEMENT SHALL BE SAW CUT IN STRAIGHT LINES TO THE FULL DEPTH OF THE EXISTING PAVEMENT. ALL DEBRIS FROM REMOVAL OPERATIONS SHALL BE REMOVED FROM THE SITE AT IMPROVEMENTS, SEE 'EX._CONG._ WALK "CHICK-FIL-A VDOT RIGHT OF THE TIME OF EXCAVATION. STOCKPILING OF DEBRIS WILL NOT BE PERMITTED. WAY IMPROVEMENTS" PLANS FILTER DEVICE 13. THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY CLEANOUT TOPS SHALL BE ADJUSTED, IF REQUIRED, TO MATCH PROPOSED GRADES IN ACCORDANCE WITH ALL -- EX. CONC. -PREPARED BY MATTERN AND -- PAVEMENT / CRAIG 14. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO ENSURE 0.75% MINIMUM SLOPE ALONG ALL ISLANDS, GUTTERS, AND CURBS; 1.0% ON ALL CONCRETE SURFACES; AND 1.5% MINIMUM ON ASPHALT, TO PREVENT PONDING. CONTRACTOR RESPONSIBLE TO FIELD VERIFY ANY DISCREPANCIES THAT MAY AFFECT THE PUBLIC SAFETY OR PROJECT COST MUST BE LOCATIONS AND ELEVATIONS OF EXISTING IDENTIFIED TO THE ENGINEER IN WRITING IMMEDIATELY. PROCEEDING WITH CONSTRUCTION UTILITY TIE-INS AS SHOWN ON SITE PLANS WITHOUT NOTIFICATION IS DONE SO AT THE CONTRACTOR'S OWN RISK. (SANITARY, STORM, WATER, GAS, ELECTRIC, 15. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6" ABOVE EXISTING LOCAL ASPHALT GRADE UNLESS OTHERWISE NOTED. FIELD ADJUST TO CREATE A MINIMUM OF 0.75% GUTTER OUTFLOW FROM EXISTING POND DURING PHONE, ETC.) PRIOR TO THE START OF EARTHWORK AND GRADING ACTIVITIES GRADE ALONG CURB FACE. ENGINEER TO APPROVE FINAL CURBING CUT SHEETS PRIOR TO CONSTRUCTION. CONTACT ALLAN WILEY AT PROP. 10' EMERGENCY M GBC DESIGN, INC., 330-836-0228, WITH SPILLWAY 16. IN CASE OF DISCREPANCIES BETWEEN PLANS OR RELATIVE TO OTHER PLANS, THE SITE PLAN WILL TAKE PRECEDENCE. IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY CONFLICTS. ANY CONCERNS PRIOR TO THE START OF SITE BENCH MARK . CONSTRUCTION. - EX. SIGNAL POLE ARM LARGE NAIL IN POWER POLE 17. CONTRACTOR SHALL BE REQUIRED TO SECURE ALL NECESSARY PERMITS AND APPROVALS FOR ALL OFF-SITE MATERIAL SOURCES AND DISPOSAL FACILITIES. CONTRACTOR SHALL SUPPLY A COPY OF APPROVALS TO ENGINEER AND OWNER PRIOR TO INITIATING WORK. SITE BENCH MARK 2 TOP OF FIRE HYDRANT ELEVATION = 1026.55STORM SEWER STRUCTURE SCHEDULE STORE #3375 Challenger Avenue EX. 10' LANDSCAPE -STRUCTURE TOP INVERT SIZE - EX. POWER POLIS SETBACK PROP. 24' SANITARY -— PŔOP. STM. M.H. ___OHW--1026-_-**ELEVATION** = 1029.83 S08 N-144-R Twisted SEWER EASEMENT 1035.10 | 1032.10 | 12" | NW | PROP. CURB INLET*1 SEE ORDER STATION GRADING -EXISTING STORM SEWER Purchase Parcel STRUCTURE SCHEDULE PROP. CURB INLET*1 1031.59 | 12" | W PROP. SIGNAL POLE -3. EX. END OF PIPE 1031.24 | 12" | E | PROP. CURB INLET*1 3814 Challenger 1036.20 INV. 1047.48, 15" NW EX. 'NO PARKING' SIGN : -EX. SIGNAL CONTROL BOX -Avenue NE 4. EX. END OF PIPE CHALLENGER AVENUE - U.S. ROUTE 460 1030.76 | 12" | NE | PROP. 12" STUB - USE FERNCO COUPLER INV. 1049.02, 15" SE Roanoke, VA 24012 1034.40 | 1026.25 | 15" | PROP. CATCH BASIN TYPE 1*1 (VARIABLE WIDTH PUBLIC R/W) 5. EX. END OF PIPE SHEET TITLE 1034.40 1026.25 15" NW PROP. CATCH BASIN TYPE 1*1 INV. 1023.29, 18" NE GRADING 1035.00 | SEE DETAIL C-3.12 | PROP. OUTLET CONTROL STRUCTURE 1 6. EX. END OF PIPE INV. 1022.59, 18" SW 1024.47 24" S 1035.75 | 1024.47 | 18" | NW | PROP. STM. M.H. 1 1024.37 | 24" | NE CONTRACTOR TO GRADE -CONTRACTOR TO OMIT ONE TO MEET EXISTING GRADE 1027.00 | 1024.75 | 24" | N | PROP. OUTLET CONTROL STRUCTURE 1 BLOCK WIDTH AT FLOOR LEVEL AT CENTER FOR 1036.19 | 1034.69 | 6" | NE | PROP. YARD DRAIN DRAINAGE TO OUTSIDE OF DUMPSTER AREA DWG EDITION V8.5 1036.19 1034.42 6" NE REVISION 1-2014 PROP. YARD DRAIN STORM SEWER PIPE SCHEDULE 1036.00 1033.74 PROP. CLEANOUT LENGTH, | PIPE SLOPE : 46189D STRUCTURE STRUCTURE SIZE, IN. 1032.09 | 1031.25 | 6" | NW | PROP. 6" STUB - USE FERNCO COUPLER 23 : 3375 Store 11 12 12 81.6 0.50% Corrugated HDPE N-12 Pipe PROP. ACCESS LOCATION 24 1034.68 | 1027.25 : 8/25/14 12 12 Corrugated HDPE N-12 Pipe 0.51% 1035.00 | 1027.25 PROP. ACCESS LOCATION 13 1034.70 | 1027.25 12 PROP. ACCESS LOCATION 94.4 0.51% Corrugated HDPE N-12 Pipe Drawn By : B.A.W. 1035.00 | 1027.25 PROP. ACCESS LOCATION 17 18 18 33.6 5.30% Reinforced Concrete Pipe Checked By: A.S.W. 1034.87 1027.25 PROP. ACCESS LOCATION 28 18 30 Reinforced Concrete Pipe 24 146.4 0.59% 1035.00 | 1027.25 PROP. ACCESS LOCATION Sheet 19 18 24 47.6 0.59% Reinforced Concrete Pipe 1023.51 24" SW PROP. STM. M.H.¹ 1026.07 Corrugated HDPE N-12 Pipe 21 26.3 1.03% 1023.41 24" E 21 22 47.8 Corrugated HDPE N-12 Pipe 1.00% 1023.37 | 24" | W | PROP. HEADWALL (101.01) し一つ、 ORDER STATION GRADING DETAIL ADA AREA GRADING DETAIL 22 23 34,2 7.28% Corrugated HDPE N-12 Pipe * - WITH GRATE INLET SKIMMER FOR WATER QUALITY. REFUSE ENCLOSURE GRADING DETAIL SCALE: 1' = 10' 1 - SHALL HAVE INLET SHAPING PER VDOT IS-1. SEE SHEET C-3.7 30 HW1 24 0.59% | Corrugated HDPE N-12 Pipe

6.8