



DEPARTMENT OF THE ARMY  
MOBILE DISTRICT, CORPS OF ENGINEERS  
BIRMINGHAM FIELD OFFICE  
218 SUMMIT PARKWAY, SUITE 222  
HOMEWOOD, ALABAMA 35209

CESAM-RD-N  
PUBLIC NOTICE NO. SAM-2015-00266-CMS

March 18, 2016

JOINT PUBLIC NOTICE  
U.S. ARMY CORPS OF ENGINEERS AND  
STATE OF ALABAMA  
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

**PROPOSED DISCHARGE OF FILL MATERIAL INTO WATERS OF THE UNITED STATES ASSOCIATED WITH A PROPOSED COMMUNITY COLLEGE EXPANSION BIRMINGHAM, JEFFERSON COUNTY, ALABAMA**

TO WHOM IT MAY CONCERN: This District has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 USC 1344). This public notice is being distributed to all known interested persons to assist in developing facts on which a decision by the U.S. Army Corps of Engineers (USACE) can be based. Please communicate this information to interested parties.

**APPLICANT:** Lawson State Community College  
Mr. J. Chad Yancy, Director of Facilities  
360 Wilson Road SW  
Birmingham, Alabama 35221

**AGENT:** Cahaba Consulting, LLC  
Mr. Carl R. Hubbert, Jr.  
2645 Buckboard Road  
Birmingham, Alabama 35244

**LOCATION:** The proposed project is located on 7 acres on the Lawson State Community College Campus in Birmingham, Jefferson County, Alabama (33.4509, -86.8870) within Section 19, Township 18 South, Range 3 West. The project is located within the Upper Black Warrior 8-digit HUC (HUC 03160112).

**WORK:** The applicant is seeking authorization for the discharge of fill material into waters of the United States for the purpose of constructing a Student Academic Success building on the Lawson State campus. This activity would impact 704 linear feet of low quality ephemeral stream and 335 linear feet of low quality intermittent stream. The types of impacts include stream piping, fill, and stream re-location.

**AVOIDANCE & MINIMIZATION:** The applicant considered several alternatives during the project planning stages. According to the applicant, the final proposed plan resulted in an approximate 17% reduction in stream impacts from the original design. The USACE has not verified the adequacy of the applicant's avoidance and minimization at this time.

**MITIGATION:** The streams were assessed using the 2012 Mobile District Compensatory Stream Mitigation Standard Operating Procedures and Guidelines to calculate compensatory mitigation requirements. The applicant proposes to mitigate for the unavoidable loss of stream through the purchase of stream credits an approved mitigation bank.

**WATER QUALITY:** The applicant will apply for certification from the State of Alabama in accordance with Section 401(a)(1) of the Clean Water Act, and upon completion of the required advertising, a determination relative to certification will be made.

This public notice is being distributed to all known interested persons in order to assist in developing facts on which a decision by the USACE can be based. For accuracy and completeness of the record, all data in support of or in opposition to the proposed work should be submitted in writing setting forth sufficient detail to furnish a clear understanding of the reasons for support or opposition. The decision whether to issue a permit will be based on an evaluation of the probable impact, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and use of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production, and in general, the needs and welfare of the people.

The USACE is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the USACE to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state with particularity, the reasons for holding a public hearing.

Evaluation of the probable impacts involving deposits of dredged or fill material into waters of the United States will include the application of guidelines established by the Administrator of the U.S. Environmental Protection Agency.

**HISTORIC AND CULTURAL RESOURCES:** In accordance with Section 106 of the National Historic Preservation Act and Appendix C of 33 CFR 325, the undertaking defined in this notice is being considered for the potential to affect cultural and historic properties within the permit area. A Cultural Resource Survey has been performed at the site. Copies of this public notice are being sent to the State Historic Preservation Officer, Federally recognized American Indian tribes, and the U.S. Department of the Interior, National Park Service, Division of Archaeological Services for review.

**ENDANGERED/THREATENED SPECIES:** A preliminary review of this application and the U.S. Department of the Interior List of Endangered and Threatened Wildlife and Plants indicates that the proposed activity will not affect listed species or their critical habitat. Copies of this public notice are being sent to the USFWS for review and comment.

Correspondence concerning this Public Notice should refer to Public Notice Number SAM-2015-00266-CMS and should be directed to:

U.S. Army Corps of Engineers Mobile District  
Birmingham Field Office  
Attention: Ms. Courtney Shea  
218 Summit Parkway, Suite 222  
Homewood, Alabama 35209

with a copy to the:

Alabama Department of Environmental Management  
Post Office Box 301463  
Montgomery, Alabama 36130-1463

Comments should be received no later than **30 days** from the date of this Public notice.

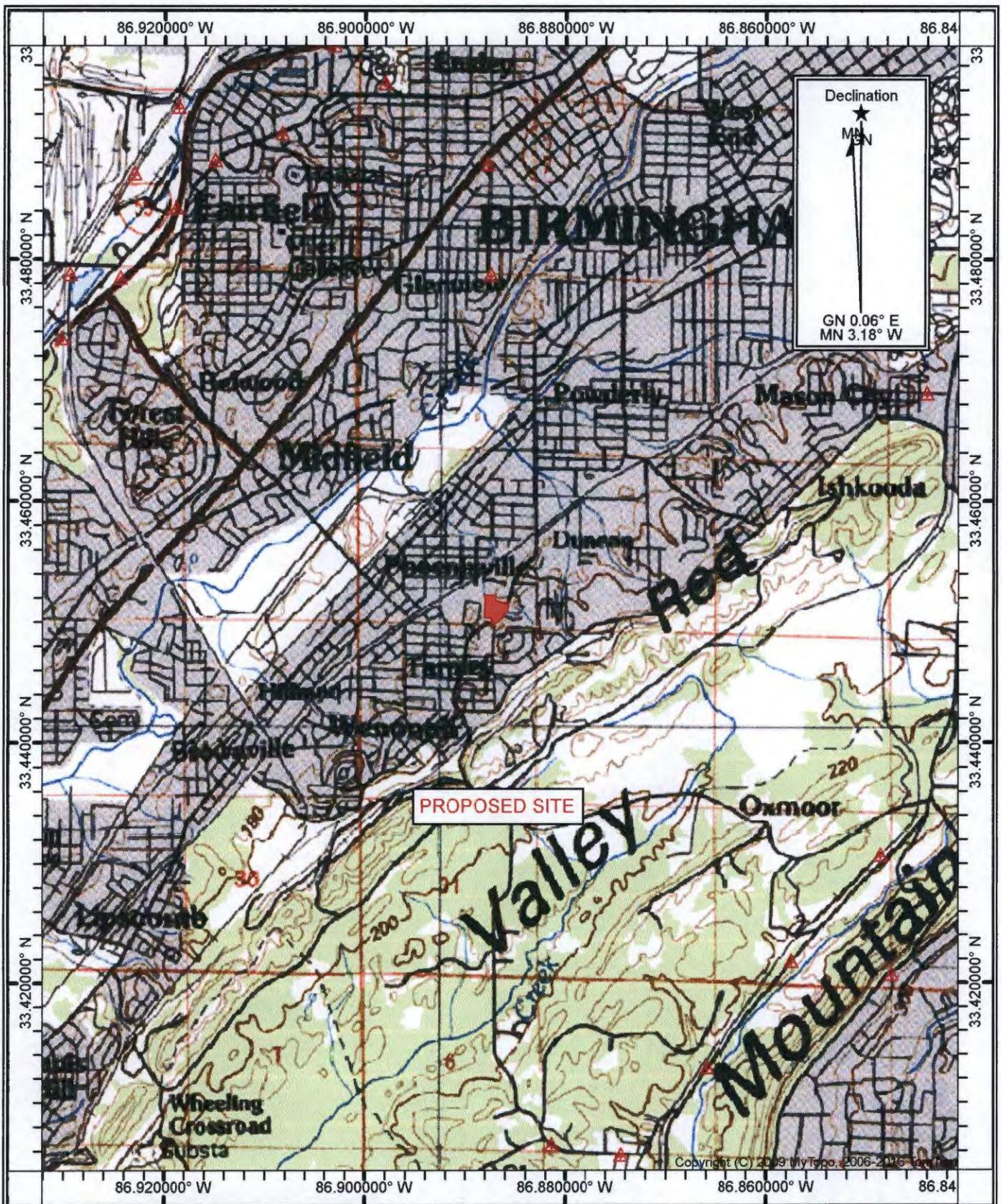
If you have any questions concerning this publication, you may contact the project manager, Ms. Courtney Shea, via e-mail at **Courtney.M.Shea@usace.army.mil** or telephone number **(205) 290-9096**. Please refer to the above Public Notice number.

For additional information about our Regulatory Program, please visit our web site at <http://www.sam.usace.army.mil/Missions/Regulatory.aspx>, and please take a moment to

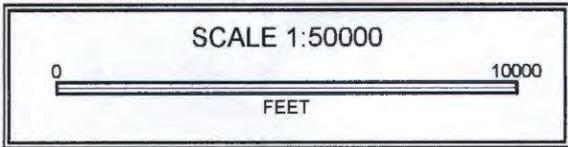
complete our customer satisfaction survey while you are there. Your responses are appreciated and will allow us to improve our services.

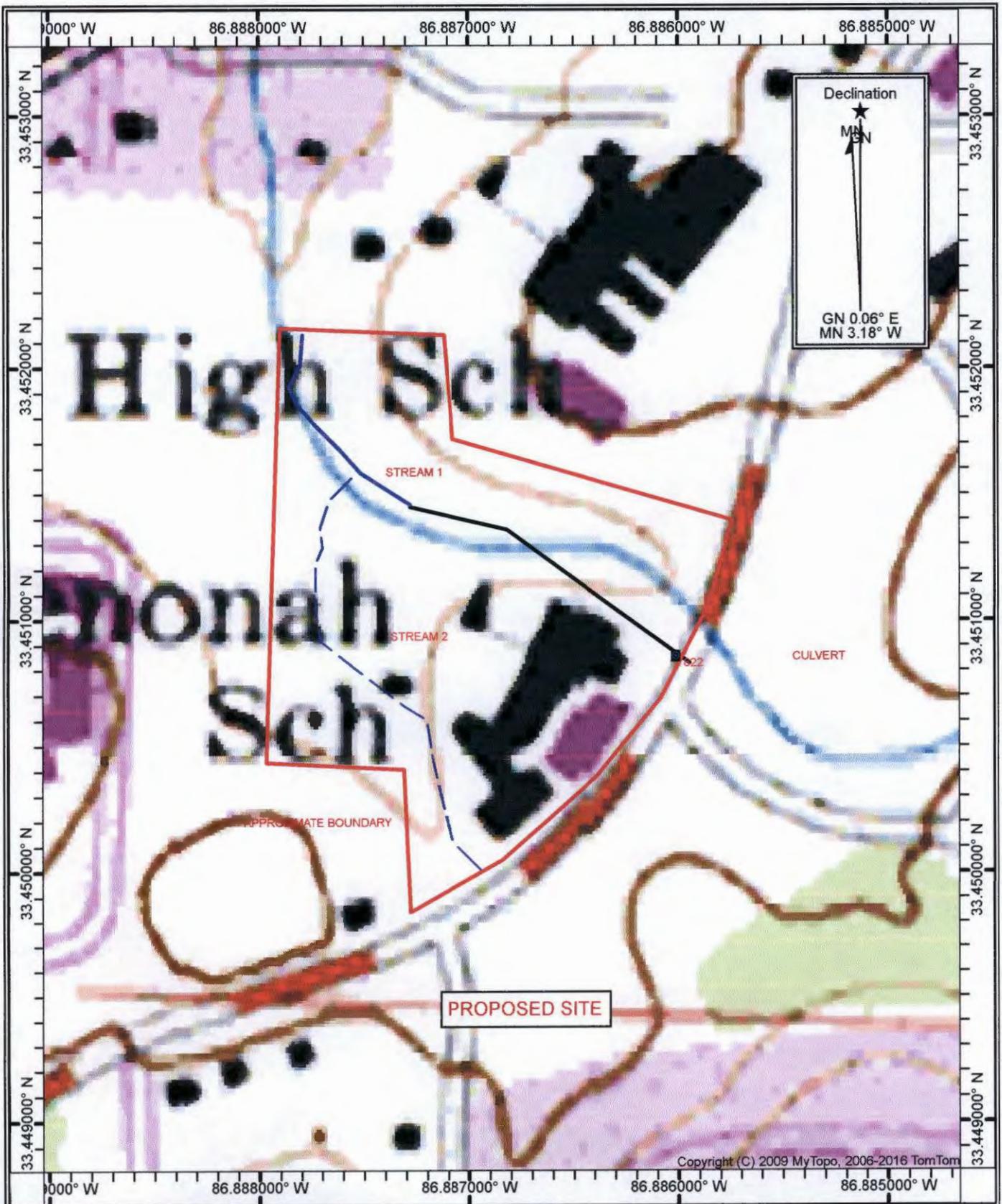
MOBILE DISTRICT  
U.S. Army Corps of Engineers

Enclosures

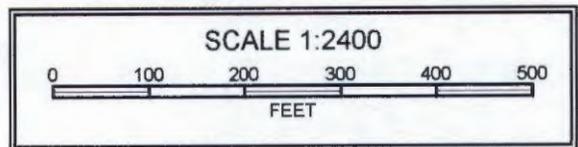


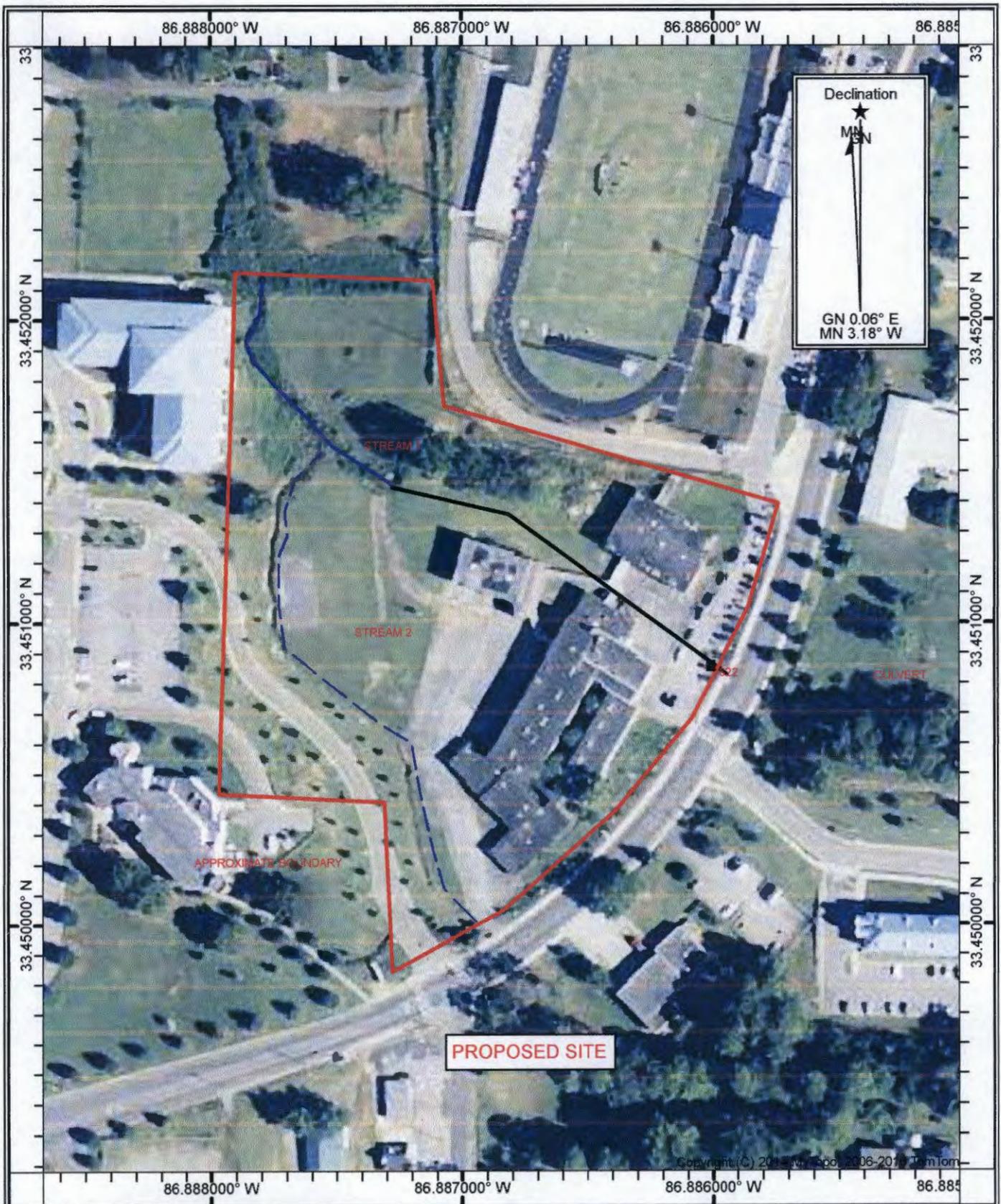
LAWSON STATE COMMUNITY COLLEGE  
 SAM-2015-00266-CMS  
 Academic Success Center  
 Joint Application  
 Map 1 - Vicinity 03/01/2016



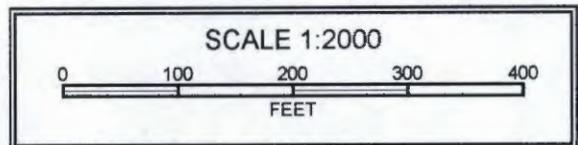


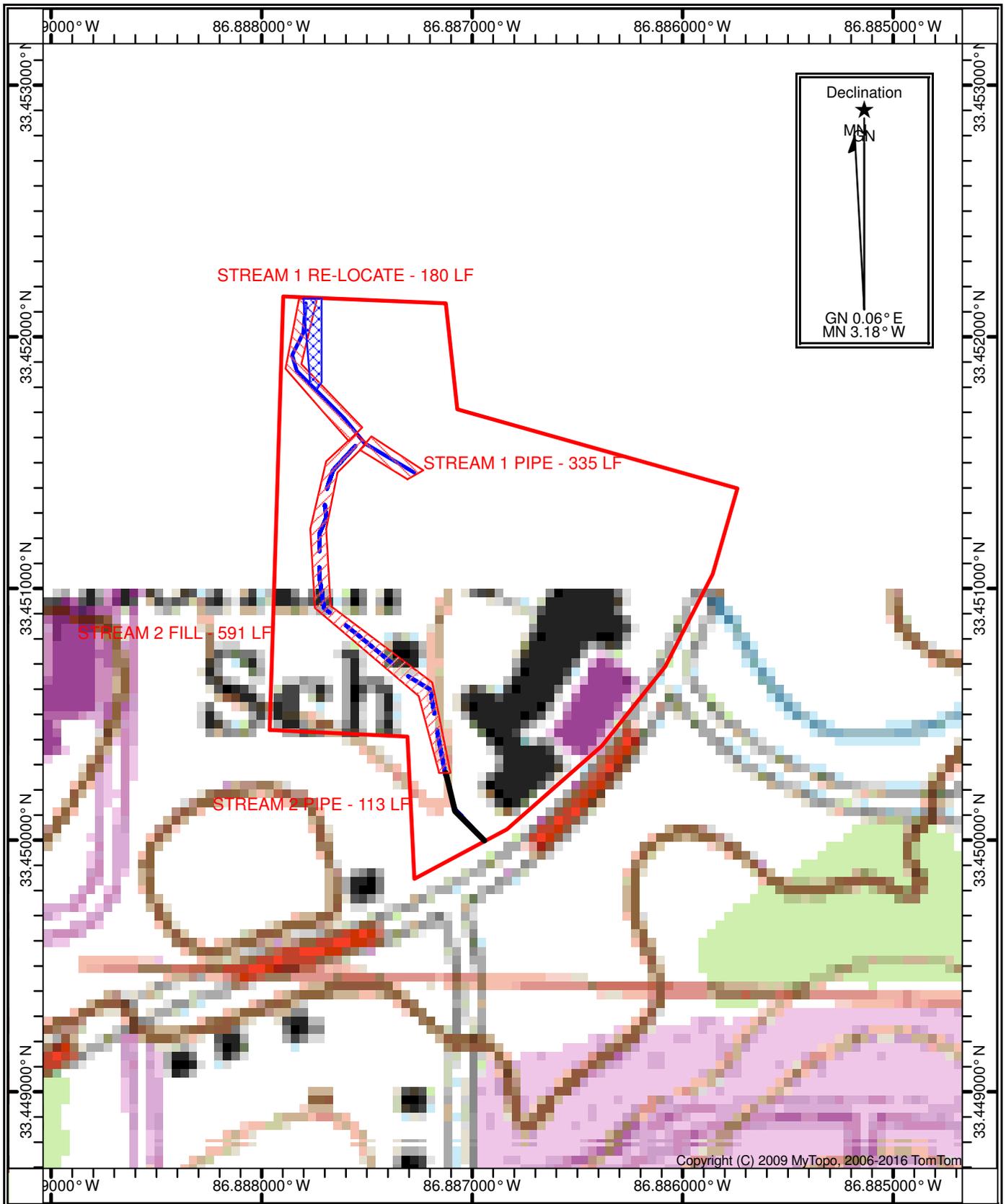
LAWSON STATE COMMUNITY COLLEGE  
 SAM-2015-00266-CMS  
 Academic Success Center  
 Joint Application  
 Map 2 - Topographic 03/01/2016



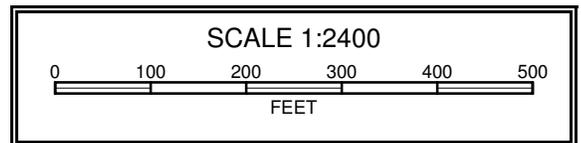


LAWSON STATE COMMUNITY COLLEGE  
 SAM-2015-00266-CMS  
 Academic Success Center  
 Joint Application  
 Map 3 - Aerial 03/01/2016



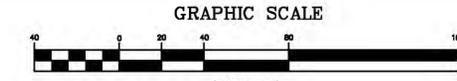


LAWSON STATE COMMUNITY COLLEGE  
 SAM-2015-00266-CMS  
 Academic Success Center  
 Alternative 6 - Preferred Project  
 March 2016



ALTERNATIVE 6 - PREFERRED PROJECT

STORM CHART



LINE ID	LINE LENGTH (ft)	Insp Area (sq ft)	Total Area (sq ft)	Runoff Coeff (C)	Total Runoff (cfs)	Total Flow (cfs)	Veloc (ft/s)	PIPE SIZE (in)	PIPE SLOPE (ft/ft)	D/S INV EL	U/S INV EL	D/S HGL	U/S HGL	U/S RM EL	D/S RM EL
P1	82.4700	0.0000	4.2300	0.0000	19.4600	182.6700	10.0100	96.0000	0.5000	566.2000	566.61	569.1300	569.9800	576.4000	575.2100
P2	291.3300	0.0000	1.9300	0.0000	8.3700	101.6700	11.2000	78.0000	1.5800	568.6100	573.2100	570.3400	576.8600	576.4000	493.0000
P3	53.8000	0.1800	1.4100	0.8800	7.4000	99.4000	8.2000	78.0000	1.5800	573.2100	574.0600	575.8000	576.7400	593.0000	584.9800
P4	148.1700	0.9300	1.2300	0.8000	6.4400	98.4400	8.0800	72.0000	1.6600	574.5400	577.0200	576.7400	579.6900	584.9800	586.2400
P5	52.7700	0.0000	0.8400	0.0000	4.1700	96.1700	7.9900	72.0000	0.5100	577.0200	577.2900	579.6900	579.9200	586.2400	588.1900
P6	128.6800	0.1500	0.7400	0.6500	3.7000	5.1000	3.4100	18.0000	0.8800	582.5500	583.6800	583.4300	584.5900	588.1900	588.8000
P7	30.5800	0.0000	0.5900	0.0000	2.9700	4.3700	4.7400	18.0000	1.0100	583.6800	583.9900	584.5900	584.8400	588.8000	590.0000
P8	88.8200	0.0000	0.9000	0.0000	3.0200	3.8200	4.5000	18.0000	1.0200	583.9900	584.8800	584.8400	585.6700	590.0000	590.0000
P9	19.2700	0.0000	0.5900	0.6500	3.0400	3.2400	4.9300	18.0000	0.9900	584.8800	585.0700	585.6700	585.8400	590.0000	588.8000
P10	64.5100	0.0000	0.8000	0.00	1.5600	1.7600	4.2000	12.0000	1.0100	585.7200	586.3700	586.2200	586.9300	588.8000	591.0000
P11	86.0700	0.0000	0.3000	0.0000	1.5900	1.5900	1.5900	12.0000	1.0200	586.3700	587.2300	586.9300	587.7700	591.0000	589.7500
P12	78.7700	0.5800	2.6400	0.9000	13.1500	83.0500	66.0000	0.5000	566.6100	567.0000	569.9800	569.5100	576.4000	575.4200	
P13	65.5800	1.5600	2.0600	0.5000	9.2300	79.1300	7.6400	66.0000	0.9000	567.0000	567.3000	569.5100	569.7700	575.4200	574.8000
P14	31.8600	0.0000	0.5000	0.0000	3.1200	73.0200	8.6500	66.0000	0.7800	567.3000	567.8300	568.0800	569.7700	574.2000	575.0500
P15	142.8500	0.0000	0.5000	0.0000	3.2200	49.1200	9.7000	54.0000	1.9900	569.0800	571.9400	570.4200	573.9700	575.0500	583.5700
P16	70.4500	0.0000	0.5000	0.0000	3.2700	41.1700	8.0000	48.0000	0.7900	572.4400	574.0000	574.0000	574.9100	583.5700	585.4000
P17	29.2000	0.0000	0.1000	0.0000	0.6800	36.8300	3.6600	42.0000	1.9900	578.0000	578.6000	575.7100	576.9600	585.4000	585.4100
P18	90.6800	0.1000	0.1000	0.7500	0.6400	35.6400	6.9700	42.0000	1.7100	578.6000	580.1500	576.9600	580.5900	585.4100	589.3000
P19	112.8700	0.0000	0.0000	0.0000	36.0000	8.9000	36.0000	2.2500	580.6300	581.5900	581.5900	585.0400	589.3000	592.0000	
P20	46.4300	0.0000	0.4000	0.8000	2.7000	2.7000	4.5400	18.0000	0.8000	575.5000	576.8700	576.5100	576.5800	585.4000	578.0000
P21	46.8900	0.2000	0.2000	0.8000	1.3600	1.3600	2.3200	18.0000	1.0200	576.8700	576.8700	576.9200	576.9200	578.8000	579.8000
P22	93.6100	0.0000	0.0000	0.0000	1.9000	6.2200	18.0000	5.2800	576.5000	581.4400	576.8300	580.0300	585.4000	586.7800	
P23	66.3900	0.0000	0.0000	0.0000	13.0000	8.2400	24.0000	2.7600	571.5800	574.1000	573.3600	574.6500	575.0500	578.4600	
P24	65.0400	0.0000	0.0000	0.0000	12.0000	9.6000	24.0000	5.2000	571.5800	574.9600	572.2400	576.2000	575.0500	578.9400	
P25	32.5600	0.0800	0.1800	0.8000	1.2400	2.5400	5.9900	18.0000	3.0700	577.7100	578.7100	578.1500	579.3900	593.0000	582.9200
P26	47.8500	0.1000	0.1000	0.7500	0.6400	1.9400	4.0400	18.0000	0.7900	578.8100	579.9000	579.9000	582.9300	584.5000	584.5000
P27	51.1700	0.0000	0.0000	0.0000	1.3000	3.0800	18.0000	0.8000	579.1900	579.6000	579.7800	580.0800	584.5000	587.6100	
P28	31.8600	0.1000	0.7500	0.6400	1.2400	4.3600	12.0000	2.0000	584.5000	584.9800	585.4500	589.1300	588.6300	590.0000	
P29	30.0000	0.0000	0.0000	0.0000	0.6000	3.0600	12.0000	0.9700	585.4800	585.7800	585.7800	586.1000	588.5000	590.3400	

GRADING LEGEND

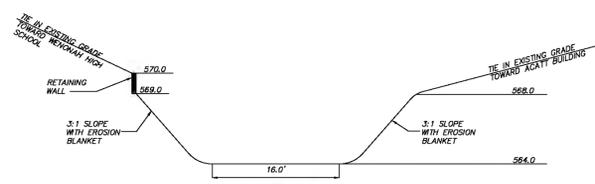
- AREA INLET
- GRADE ELEVATION
- STORM SEWER LINE
- HEADWALL
- 1' CONTOURS
- 5' CONTOURS

GRADING NOTES

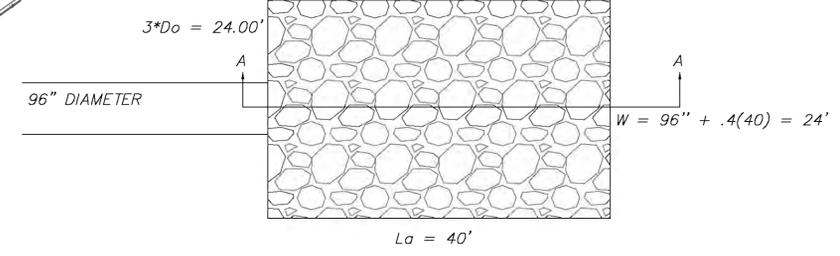
1. INFORMATION CONCERNING SITE SOIL CONDITIONS CAN BE FOUND IN THE GEOTECHNICAL REPORT BY BECC DATED AUGUST 7, 2015. THE GEOTECHNICAL REPORT IS A PART OF THE CONTRACT DOCUMENTS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL DEBRIS NOT ACCEPTABLE TO THE OWNER AND ENGINEER.
3. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THE CONTRACTOR SHALL MAKE A TOPOGRAPHIC SURVEY AT THEIR OWN EXPENSE AND SUBMIT IT TO THE OWNER FOR REVIEW.
4. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING ALL UTILITIES BEFORE CONSTRUCTION AND VERIFYING LOCATION OF ALL UTILITIES SHOWN OR NOT SHOWN.
5. NYLOPLAST PIPE SHALL BE N-12 HDPE. ALL PIPE AND CONNECTIONS AT MANHOLES SHALL BE WATER TIGHT.
6. CONTRACTOR SHALL PROVIDE DRAINAGE AWAY FROM THE BUILDINGS.
7. PRECAST STRUCTURES MAY BE USED AT THE CONTRACTOR'S OPTION.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND COST OF THE RELOCATION OF ALL UTILITIES ALONG THE RIGHT OF WAY AND ON THE SITE ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT, SUCH AS, BUT NOT LIMITED TO SIGNAL POLES, SIGNAL CONTROLS, DRAINAGE STRUCTURES, TRAFFIC SIGNS, UTILITY POLES, GUY WIRES, ETC.
9. THE EARTHWORK FOR ALL BUILDING FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH ARCHITECTURAL PLANS AND SPECIFICATIONS.
10. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURBS, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
11. ALL SLOPES AND DISTURBED AREAS NOT COVERED BY BUILDING OR PAVEMENT SHALL BE GRADED SMOOTH AND RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR TO PROVIDE TOPSOIL IF NOT AVAILABLE ON SITE. THE AREAS SHALL BE SEED, MULCHED, FERTILIZED AND WATERED TO PROVIDE A HEARTY, MOWABLE STAND OF GRASS. SMALL ROCKS MUST BE REMOVED. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
12. SPOIL FROM FOOTINGS IS THE SITE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR IS TO REMOVE IT FROM THE SITE.
13. EARTHWORK SHALL BE ON AN UNCLASSIFIED BASIS.
14. ANY FILL USED TO INCREASE THE ELEVATION OF THE FLOOR SLAB OR ANY FILL TO BE USED AS BACKFILL, SHALL BE CLEAN, GRANULAR MATERIAL PRIOR TO THE USE OF ANY GRANULAR FILL. GRADATION ANALYSIS SHALL BE PERFORMED ON REPRESENTATIVE SAMPLES OF THE FILL MATERIAL TO DETERMINE WHETHER THE MATERIAL IS SUITABLE AS FILL. CONTRACTOR SHALL MEET THE COMPACTION REQUIREMENTS STATED IN THE GEOTECHNICAL REPORT BY BECC DATED AUGUST 7, 2015.
15. ALL SPOT ELEVATIONS ARE TO THE BOTTOM OF THE FACE OF CURB UNLESS OTHERWISE NOTED.
16. ALL SYSTEM MANHOLES AND PIPES TO BE FLUSHED CLEAN PRIOR TO TURNING OVER TO THE OWNER.
17. ALL PIPE LENGTHS LISTED ARE BASED ON THE HORIZONTAL DISTANCE FROM CENTER OF STRUCTURE AND USED FOR DESIGN.
18. THE CONTRACTOR IS RESPONSIBLE FOR COMPARING THE STORM SEWER CHARTS WITH THE PROFILES FOR THE SANITARY SEWER LINES AND INFORMING THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.

ALL PIPE MATERIAL IS RCP EXCEPT FOR THE FOLLOWING SEGMENTS WHICH ARE N-12:  
 P6 - P11  
 P22  
 P25-29

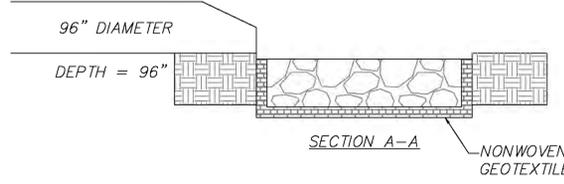
SECTION A



OUTLET PROTECTION



SECTION A-A



\*SEE DETAILS FOR CALCULATIONS AND REFERENCES

Revisions

No.	Date	Description

Review Documents

Project Title:  
**Academic Success Center**  
 3008 Wilson Road SW  
 Birmingham, Alabama 35221  
 Lawson State Community College

CHARLES WILLIAMS & ASSOCIATES ARCHITECTS  
 PH: 205-250-0700  
 FAX: 205-250-0515



SHEET TITLE:  
**STORM PLAN**  
 PROJECT NUMBER:  
 2014-04  
 DATE:  
 12.18.2015  
 DRAWN BY:  
 MCS  
 CHECKED BY:  
 MCS

SHEET NUMBER  
**C5.0**