WATER SYSTEM IMPROVEMENTS

TO SERVE

FORT VALLEY STATE UNIVERSITY CONTRACT C: WATER MAIN EXTENSIONS

FOR THE

FORT VALLEY UTILITY COMMISSION

PEACH COUNTY, GEORGIA JUNE 2018

COMMISSION OFFICIALS

CRAIG MIMS GENERAL MANAGER/CEO

DOLLIE HORTON CHAIRMAN **BOB HUNNICUTT** VICE CHAIRMAN LINDA JOHNSON COMMISSIONER **AL HORTON** COMMISSIONER

BARBARA WILLIAMS MAYOR, CITY OF FORT VALLEY

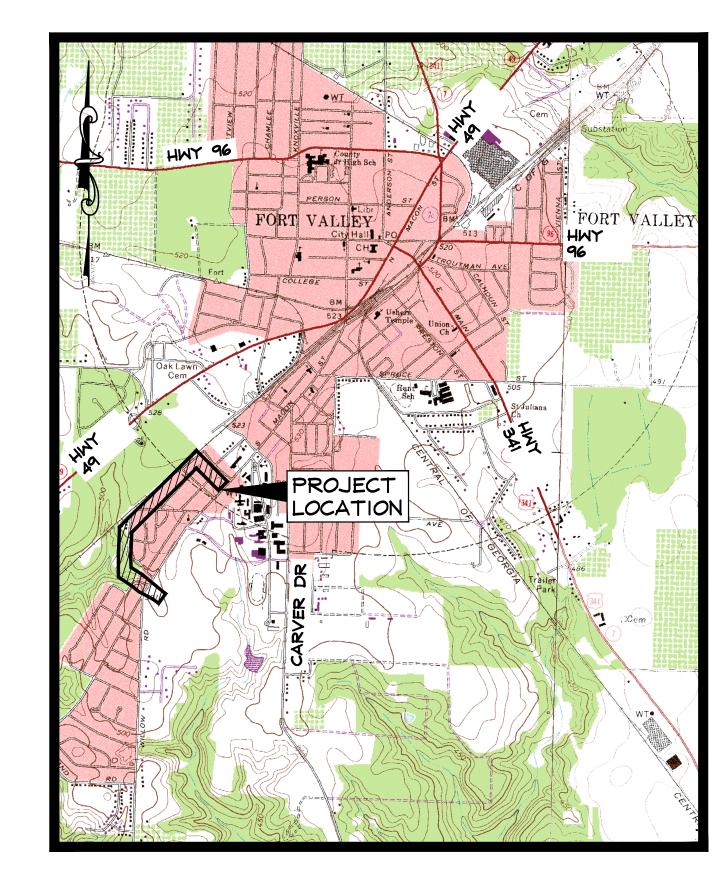
DIRECTOR OF OPERATIONS

CATHY JOHNSON FINANCE MANAGER

GARY MONCRIEF WATER SUPT.







LOCATION MAP



6310 PEAKE ROAD . MACON, GA 31210 . 478.477.3923 TEL . 478.477.4691 FAX

MACON • MOULTRIE • ATHENS • CANTON

INDEX TO DRAWINGS

SHEET NO.

TITLE

-	TITLE SHEET
1	GENERAL LAYOUT

2-3 IRA HICKS WATER MAIN EXTENSIONS 4-5 RAW/POTABLE WATER TO JONES PLANT

MISCELLANEOUS DETAILS ER1-ER3 **EROSION CONTROL**



CONSULTANT CONTACT CHARLIE BRIDGES 6310 PEAKE ROAD MACON, GA 31210 (478) 477-3923

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SENT, SHOWN OR USED FOR ANY OTHER PURPOSE THAN TO DISCLOSE TO THE RECIPIENT A DESIGN CONCEPT, AND THIS DRAWING IS TO BE RETURNED TO CARTER & SLOOPE, INC., UPON DEMAND.

REVISION NO.	DESCRIPTION	DATE
A	USDA APPROVAL SET	7-11-2014
В	RELEASED FOR BID	1-8-2018
С	REVISED SET FOR BID	5-24-2018

C&S PROJECT NO.: F7500.042



ANGIE LUNA

Utilities

PROTECTION CENTER

1-800-282-7411

GRAPHIC SCALE IN FEET: 1" = 400'

DIG SAFELY

Ds1 TO BE PLACED ON ALL DISTURBED AREAS TO MATCH EXISTING

Ds3 CONDITIONS

REVISIONS: INITIAL PLA

INITIAL PLAN DATE: MAY 15, 2013

/ATER SYSTEM IMPROVEMENTS

TO SERVE
ORT VALLEY STATE UNIVERSITY
RACT C - WATER MAIN EXTENSIONS

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arter & Sloope

	DSGN:	С	& S				
	DRWN:	C.,	A.D.D.				
	SCALE:	1"=	:400¹				
	ISSUE DATE: JANUARY 8, 2018						
rinkinnaaa	PROJ. NO.:	F7	7500.042 (C)				
1,,,1	DATE:		SHEET NO.:				
	JANUARY 201	JANUARY 2018					

MATCHLINE B - SEE SHEET 4 ±80 L.F. GRAVEL DRIVE REMOVAL & REPLACEMENT ±343 L.F. 12" C-900 PVC RAW WATER MAIN— Ds2Ds3 /-±345 L.F. 12" C-900 PVC WATER MAIN ELEVATED TANK (CONTRACT B) 101 Ds1 Ds2Ds3 /-12" M.J. 45° BEND /-±80 L.F. 12" C-900/ PVC WATER MAIN CONNECT TO WATER
MAIN INSTALLED
UNDER CONTRACT A ±135 L.F. 12" C-900 PVC RAW WATER MAIN WELL & CHEMICAL FEED BUILDING (CONTRACT A) SdI-A Ds1 Ds2|Ds3 42" M.J. TEE 3-12" GATE VALVE W/ BOX 12" M.J. PLUG Ds1 Ds2Ds3 L±527 L.F. 12" C900 PVC WATER MAIN Ds1 Ds2 Ds3 Ds1 Ds2 Ds3 ±40 L.F. 12" D.I. WATER MAIN GdI-A `_±275 L.F. 12" C900 PVC WATER MAIN Sd1-A ±24 S.Y. ASPHALT REMOVAL & REPLACEMENT 3-WAY FIRE HYDRANT 6" GATE VALVE W/ BOX 12"x6" M.J. TEE 12" GATE VALVE W/ BOX ±5 L.F. 6" D.I. HYDRANT LEAD—

FORT VALLEY STATE UNIVERSITY
CONTRACT C - WATER MAIN EXTENSION
FOR THE
FORT VALLEY UTILITY COMMISION

REVISIONS:

INITIAL PLAN DATE: MAY 15, 2013

ONSULTING ENGINEER:

MACON
MOULTRIE
ATHENS
CANTON

DSGN: C & S

DRWN: C.A.D.D.

SCALE: 1"=50'

ISSUE DATE: JANUARY 8, 2018

PROJ. NO.: F7500.042 (C)

DATE: SHEET NO.:

JANUARY 2018

Utilities
PROTECTION CENTER
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1-800-282-7411

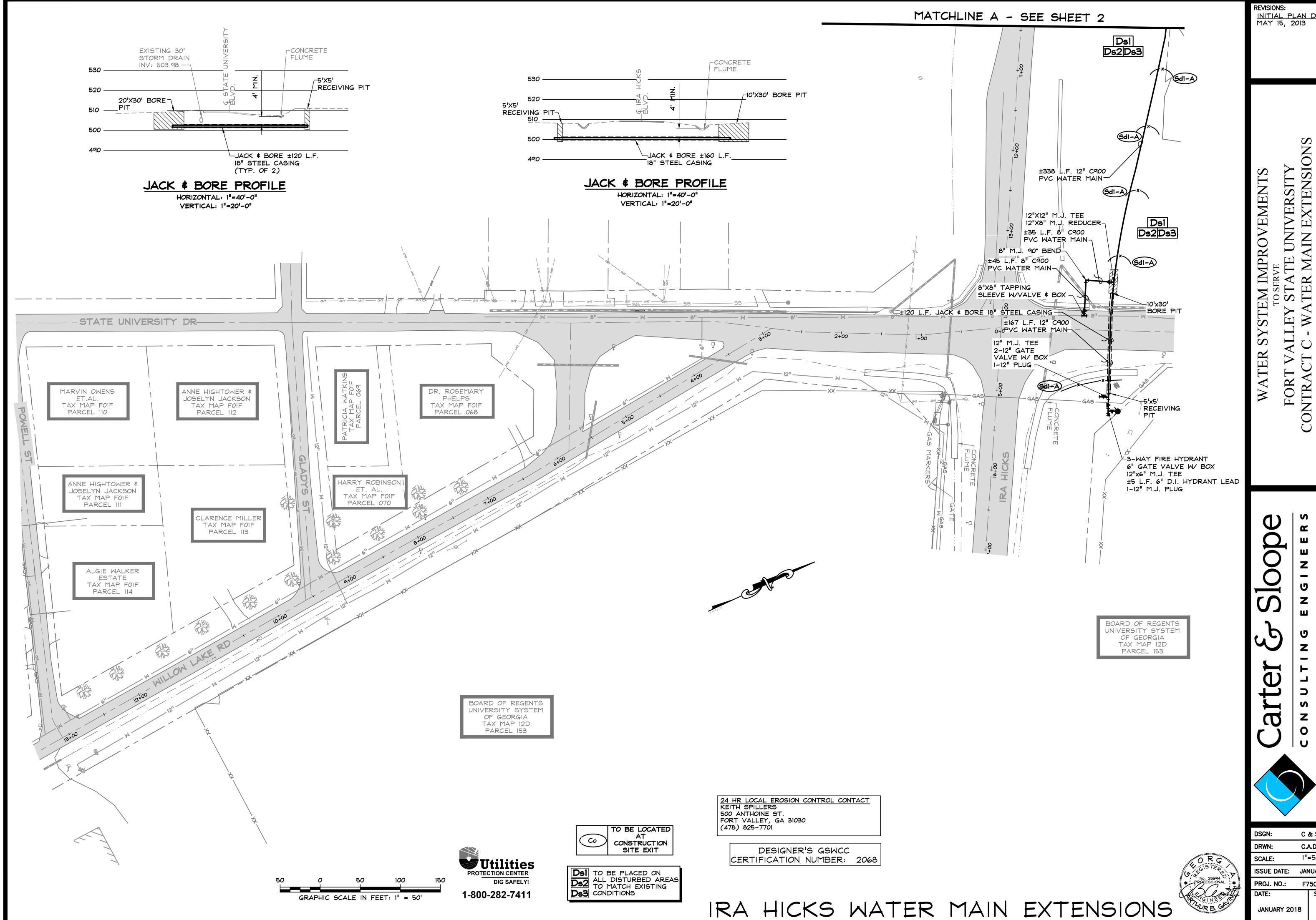
24 HR LOCAL EROSION CONTROL CONTACT KEITH SPILLERS 500 ANTHOINE ST. FORT VALLEY, GA 31030 (478) 825-7701

GRAPHIC SCALE IN FEET: 1" = 50'

DESIGNER'S GSWCC CERTIFICATION NUMBER: 2068



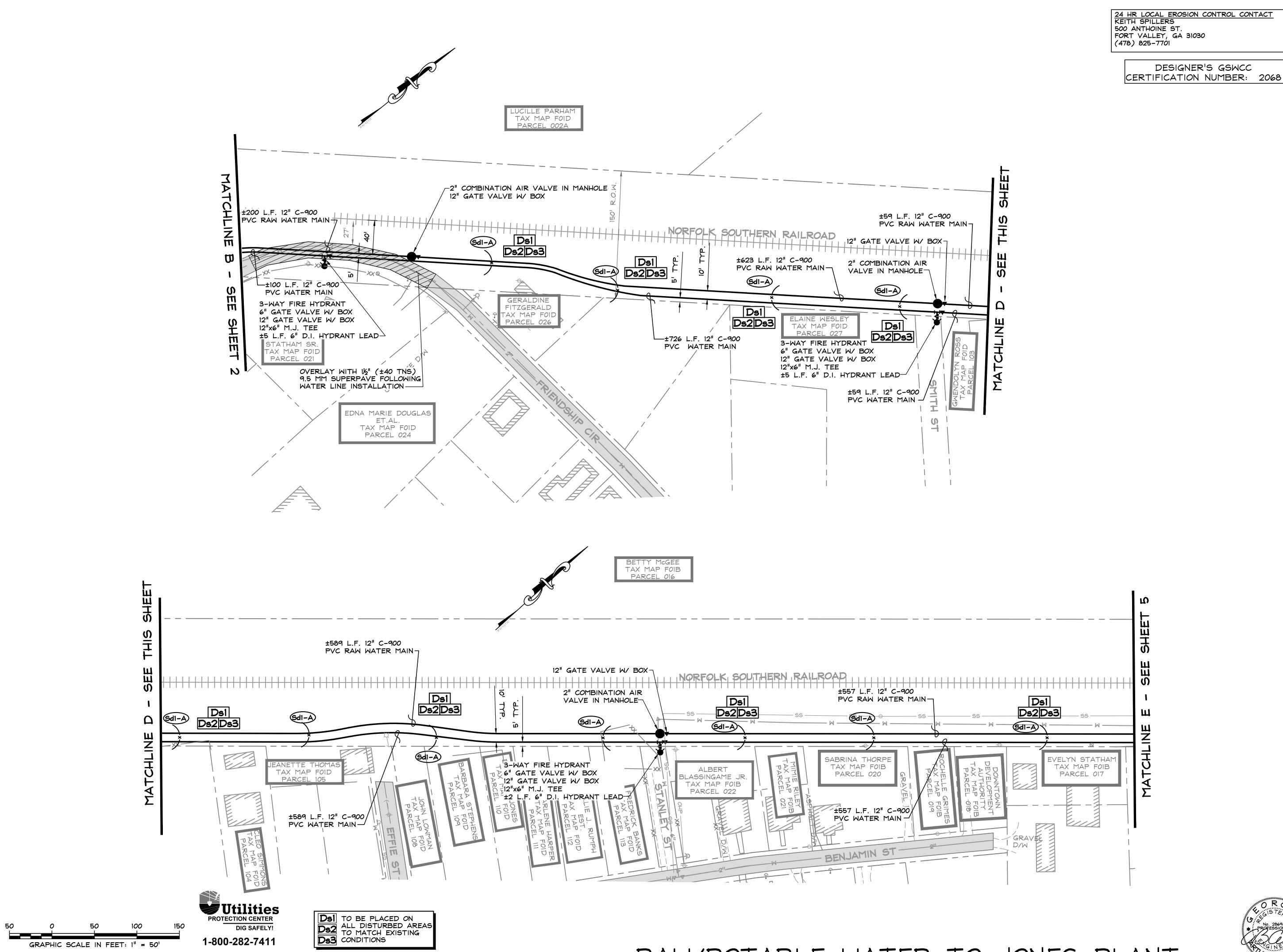
IRA HICKS WATER MAIN EXTENSIONS



INITIAL PLAN DATE: MAY 15, 2013

OMMISION

C & S C.A.D.D. 1"=50' JANUARY 8, 2018 F7500.042 (C) SHEET NO.:



REVISIONS:

INITIAL PLAN DATE:

MAY 15, 2013

TO SERVE

TO SERVE

ALLEY STATE UNIVERSITY

FOR THE

ALLEY UTILITY COMMISION

Carter & Sloope

DSGN: C & S

DRWN: C.A.D.D.

SCALE: 1"=50'

ISSUE DATE: JANUARY 8, 2018

PROJ. NO.: F7500.042 (C)

JANUARY 2018

SHEET NO.:

RAW/POTABLE WATER TO JONES PLANT

DESIGNER'S GSWCC CERTIFICATION NUMBER: 2068

COMMISION

REVISIONS: INITIAL PLAN DATE: MAY 15, 2013

C & S C.A.D.D. 1"=50' JANUARY 8, 2018 PROJ. NO.: F7500.042 (C) SHEET NO.:

JANUARY 2018

JERRY JACKSON TAX MAP F04A PARCEL 024 12"x12" TAPPING SLEEVE W/ VALVE & BOX— Ds1 Ds2 Ds3 12" M.J. 90° BEND-WILLIAM # ANGEOLA ARNOLD CITY OF FORT VALLEY
JONES WATER PLANT
TAX MAP FO4A TAX MAP F04A PARCEL 025 ±565 L.F. 12" C-900 PVC RAW WATER MAIN— PARCEL 035 ±30 L.F. 12" C-900 PVC RAW WATER MAIN 150' R.O.W. +34 S.Y. ASPHALT REMOVAL & REPLACEMENT VERNELL HOLLINGSHED ET.AL. TAX MAP F04A PARCEL 026 Ds1
Ds2Ds3
Sd1-A
x GRAVEL ±80 L.F. 12" C-900" PVC RAW WATER MAIN -53 12" M.J. 90° BEND-Ds1 Ds2Ds3 Ds1 Ds2Ds3 ±59 L.F. 12" C-900 PVC RAW WATER MAIN * 12" M.J. 90° BEND -±55 L.F. 12" C-900 PVC L WATER MAIN WILLIAM \$ ANGEOLA ARNOLD 12"x12" TAPPING SLEEVE W/ VALVE \$ BOX SHELDON \$ ADRIAN HOLLINGSHED TAX MAP FO4C PARCEL 009 TAX MAP F04A PARCEL 029 MATCHLINE E - SEE SHEET 4 VERNON SMITH TAX MAP FO4A PARCEL 031 ±365 L.F. 12" C-900 PVC WATER MAIN

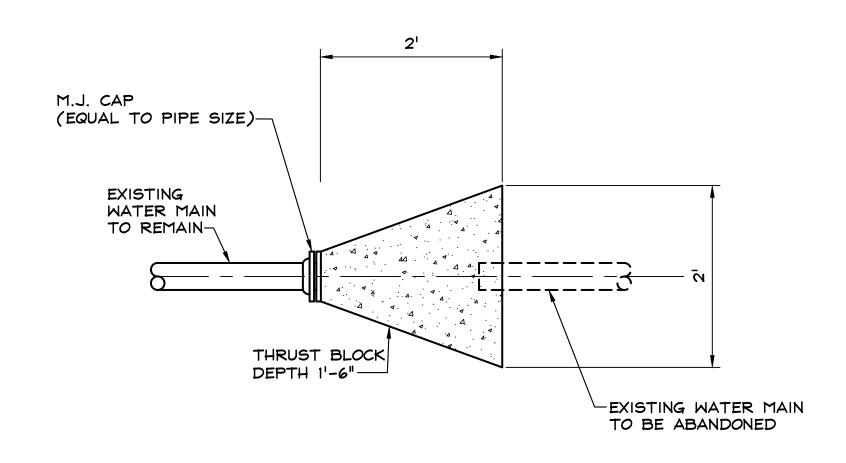


GRAPHIC SCALE IN FEET: 1" = 50'

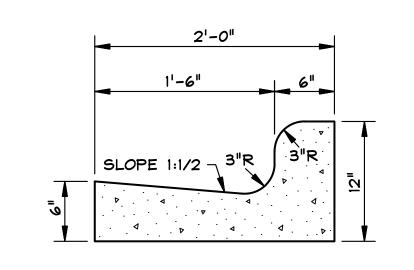




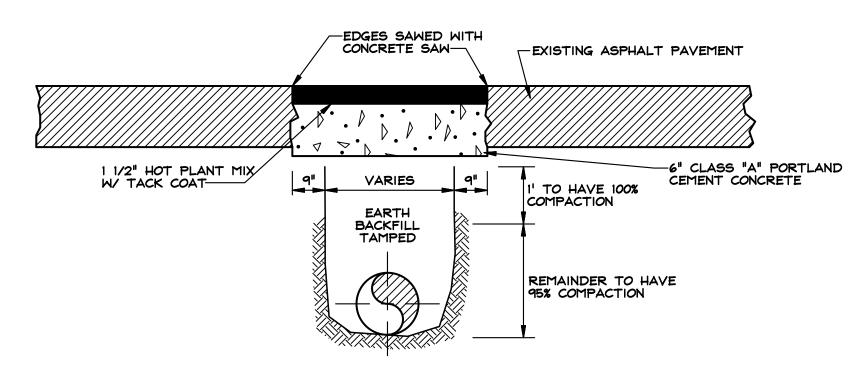
C & S C.A.D.D. N.T.S. **JANUARY 8, 2018** ISSUE DATE: F7500.042 (C) PROJ. NO.: SHEET NO.:



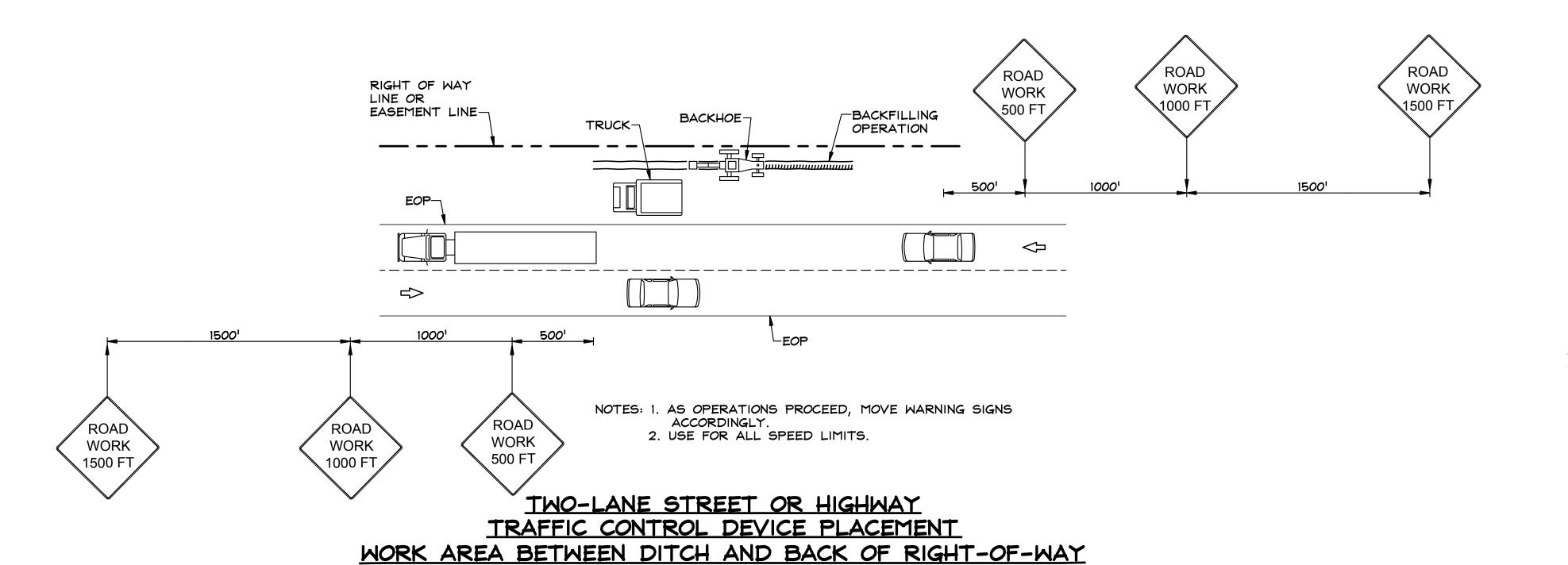
CUT & CAP EXISTING WATER MAIN DETAIL



DETAIL - 24" CURB & GUTTER



ASPHALT REMOVAL & REPLACEMENT



10'- 0"

D = DEPTH

X A B C D

30" 2'-0" 11'-6" 15'-3" 6'-0"
24" 2'-0" 7'-9" 10'-9" 5'-6"
20" 1'-9" 6'-0" 8'-6" 5'-0"
16" 1'-3" 4'-0" 6'-0" 4'-6"
12" 10" 2'-9" 4'-0" 4'-0"
10" 10" 2'-6" 3'-9" 3'-0"

.....

D = DEPTH

 10"
 10"
 2'-0"
 3'-3"
 2'-6"

 8"
 8"
 1'-9"
 2'-6"
 2'-0"

 6"
 6"
 1'-3"
 2'-0"
 1'-6"

NOTE: 200 P.S.I. TEST PRESSURE SOIL BEARING OF 2500 P.S.F.

PIPE LESS THAN 4" IN DIAMETER

SHALL HAVE THE SAME REQUIREMENTS

3000 P.S.I. CONCRETE

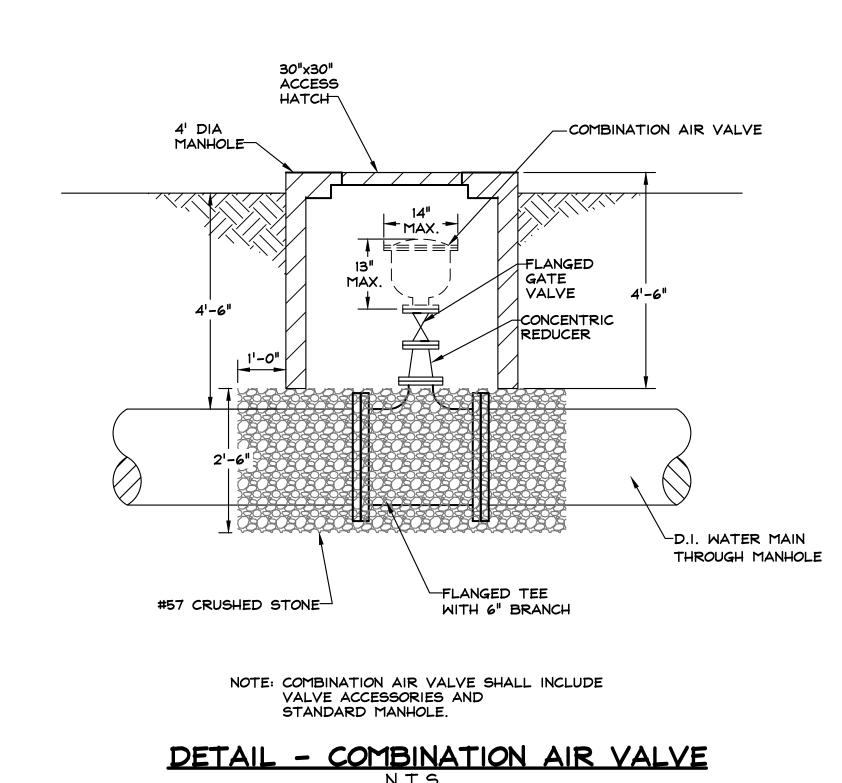
AS 4" DIAMETER PIPE

- 8" DIA. STD. STL. PIPE PIPES LARGER THAN 16" 4" DIA. STD. STL. PIPES

PIPES SMALLER THAN 16"

BLOCKING DIMENSIONS

DETAIL - THRUST BLOCK



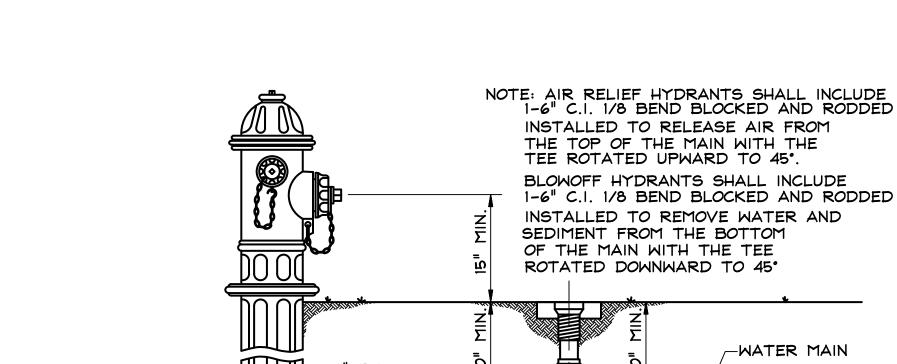
ADJUSTABLE VALVE BOX

VALVE SETTING & BOX DETAIL

NOTE: ALL VALVES & FITTINGS SHALL BE

INSTALLED WITH 4" CONCRETE CAP BLOCKS.

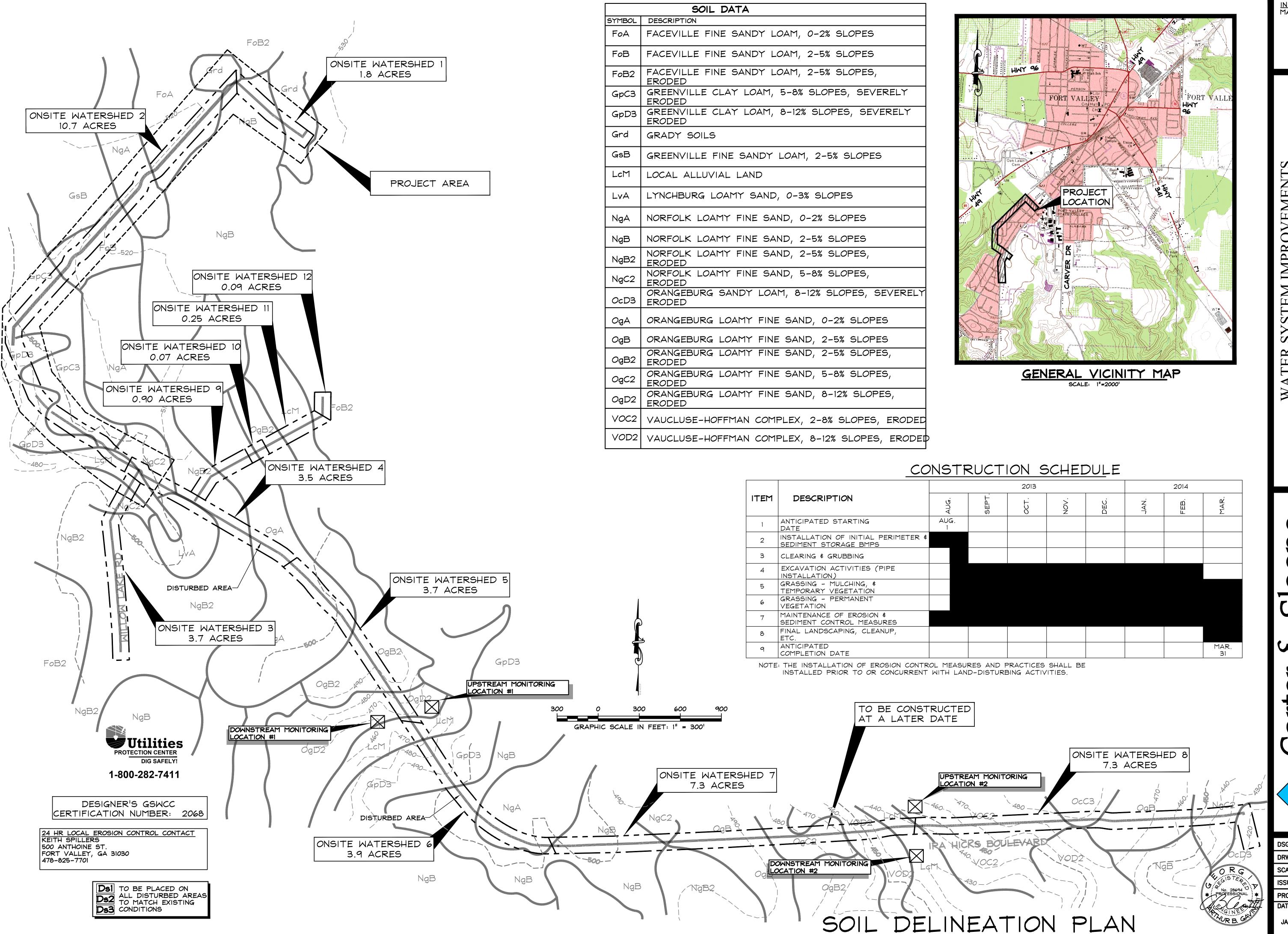
-CROSS OR TEE



-WATER MAIN CRUSHED GRAVEL ALL AROUND FIRE HYDRAN

(FIRE HYDRANT TO BE EQUIPPED WITH RETAINING GLANDS FOR DUCTILE IRON PIPE.) LEADS OVER 15' LONG RODDED AND RETAINER GLANDS DETAIL - TYPICAL FIRE HYDRANT SETTING

-6" GATE VALVE W/BOX



REVISIONS:

INITIAL PLAN DATE:
MAY 15, 2013

WATER SYSTEM IMPROVEMENTS
TO SERVE
FORT VALLEY STATE UNIVERSITY
CONTRACT C - WATER MAIN EXTENSIO
FOR THE

Carter & Sloope

DSGN:	C & S					
DRWN:	C.A.D.D.					
SCALE:	1"=300"					
ISSUE DATE:	JANUARY 8, 2018					
PROJ. NO.:	F7500.042 (C)					
DATE:	SHEET NO.:					
JANUARY 201	* ER1					

WORK ON THIS PROJECT WILL DISTURB I OR MORE ACRES. DO NOT START WORK WITHOUT OBTAINING A "NATIONAL POLLUTION ISCHARGE ELIMINATION SYSTEM" (NPDES) PERMIT GOVERNING DISCHARGE OF STORM WATER FROM PROJECT FOR DURATION OF ONTRACT. REFER TO DEPARTMENT OF NATURAL RESOURCES GENERAL PERMIT NO. GAR100002 FOR COMPLETE DESCRIPTION OF ESPONSIBILITIES AND REQUIREMENTS.

EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE, THE CONTRACTOR SHALL PROVIDE QUALIFIED PERSONNEL TO INSPECT (A) ALL AREAS WHERE PETROLEUM PRODUCTS ARE STORED, USED OR HANDLED AND (B) ALL OCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE. (C) MEASURE RAINFALL ONCE EACH 24 HR. PERIOD AT THE SITE.

(A) THE CONTRACTOR SHALL PROVIDE A SITE INSPECTION TO BE CONDUCTED WITHIN 24 HOURS OF THE END OF ANY RAINFALL VENT THAT IS GREATER THAN OR EQUAL TO 0.5-IN. PER 24 HR, AND AT LEAST, EVERY 14 DAYS. (B) QUALIFIED PERSONNEL SHALI ISPECT AT LEAST ONCE PER MONTH AREAS THAT HAVE UNDERGONE FINAL STABILIZATION

ANY DEFICIENCIES IDENTIFIED DURING THE INSPECTION OF BMP'S SHALL BE CORRECTED BY THE CONTRACTOR WITHIN SEVEN) DAYS OF THE INSPECTION.

THE CONTRACTOR SHALL PROVIDE THE FOLLOWING SAMPLING/MONITORING DURING THE PROJECT:

(A) SAMPLE THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAI BUSINESS HOURS* (MONDAY THRU FRIDAY, 8:00 AM TO 5:00 PM WHEN CONSTRUCTION ACTIVITY IS BEING CONDUCTED BY THE PRIMARY PERMITTEE) THAT OCCURS AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE REPRESENTATIVE SAMPLING LOCATION

(B) SAMPLE THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS* THAT OCCURS EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE REPRESENTATIVE SAMPLING

(C) IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN 2 BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP 'S WITHIN 7 DAYS AFTER INSTALLATION. UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED.

THE CONTRACTOR SHALL PROVIDE STORM WATER MANAGEMENT IN ACCORDANCE WITH NPDES PERMIT AND SHALL BE ESPONSIBLE FOR ANY ENFORCEMENT ACTION TAKEN OR IMPOSED BY FEDERAL OR STATE AGENCIES, INCLUDING COST OF NES, CONSTRUCTION DELAYS AND REMEDIAL ACTIONS RESULTING FROM FAILURE TO COMPLY WITH ALL PROVISIONS OF NPDES

IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES AND EXITS, ALL PERIMETER EROSION CONTROL EVICES AND STORM WATER MANAGEMENT DEVICES. SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION. THE LOCATION CERTAIN EROSION CONTROL DEVICES MAY REQUIRE ALTERING FROM THE LOCATIONS SHOWN ON THE DRAWING IF DRAINAGE ATTERNS DURING CONSTRUCTION DIFFER FROM THE FINAL GRADING PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CCOMPLISH EROSION CONTROL FOR DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. AT ALL TIMES, $^{\prime}$ CUBIC YARDS OF SEDIMENT STORAGE MUST BE AVAILABLE FOR EACH ACRE OF DISTURBED LAND.

***DIVERSION DITCHES, BERMS AND TEMPORARY DOWN DRAINS SHALL BE USED DURING GRADING OPERATIONS TO PROVIDE SEDIMENT CONTROL FOR DISTURBED AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF THESE MEASURES DURING THE VARIOUS PHASES OF GRADING. THESE MEASURES MAY OR MAY NOT BE INDICATED ON THE DRAWINGS. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONTINUOUSLY MAINTAINED BY THE CONTRACTOR DURING THE CONSTRUCTION PHASE OF THIS PROJECT.

), the escape of sediment from the site shall be prevented by installation of erosion and sediment control ieasures and practices prior to, or concurrent with, land disturbing activities.

11. Erosion control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source.

EACH DAY THERE IS A FAILURE TO PROPERLY INSTALL AND MAINTAIN ES\$PC BMP'S CONSTITUTES A VIOLATION OF THE IPDES PERMIT. A VIOLATION OF THE TURBIDTY LIMITS FOR RECEIVING STREAMS DEFINED BY THE NPDES PERMIT SHALL CONSTITUTE A SECOND VIOLATION OF THE PERMIT.

SEDIMENT BARRIERS SHALL MEET D.O.T. STANDARDS AND SPECIFICATIONS AND SHALL BE INSTALLED AS DETAILED ON THE DRAWINGS OR AS NECESSARY

4. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE INSTALLED BY CONTRACTOR IF DEEMED NECESSARY BY ON-SITE INSPECTION.

. CONSTRUCT CONSTRUCTION EXITS AT ALL EXITS FROM CONSTRUCTION SITE TO PUBLIC ROAD. EXIT SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE FOLLOWING:

AGGREGATE SIZE: WILL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION ASTM D448 SIZE #1 (1.5 TO 3.5 INCH STONE). STONE SHALL BE UNDERLAYED WITH GEOTEXTILE FABRIC.

PAD THICKNESS: 6-INCH MINIMUM.

PAD WIDTH: AT MINIMUM, SHOULD EQUAL FULL WIDTH OF ALL POINTS OF VEHICULAR EGRESS, BUT NOT LESS THAN 20 FEET WIDE. AND 50 FEET LONG.

WASHING: WHEELS MUST BE CLEANED TO REMOVE MUD PRIOR. TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

MAINTENANCE: THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1.5-3.5 INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED

6. ESTABLISHMENT OF TEMPORARY AND PERMANENT VEGETATION FOR THIS PROJECT SHALL CONSIST OF THE FOLLOWING: THE GROUND PREPARATION, SEEDING, MULCHING AND HYDROSEEDING OF ALL DISTURBED AREAS IN THE PROJECT AREA IN ACCORDANCE WITH THE FOLLOWING SCHEDULE. GROUND PREPARATION SEEDING, MULCHING AND HYDROSEEDING METHODS SHALL CONFORM TO THE SPECIFICATIONS.

REFER TO COASTAL PLAIN VEGETATIVE COVERS TABLE FOR PLANTING DATES AND MIXTURES. (SEE SHEET 2 FOR TABLE.) MULCH, TEMPORARY VEGETATION, OR PERMANENT (PERENNIAL) VEGETATION SHALL BE COMPLETED ON ALL EXPOSED AREAS BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE. IF THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 21 DAYS, THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY

<u>MULCHING ALONE:</u> MULCHING ALONE CAN BE USED ON ROUGH GRADED AREAS FOR UP TO SIX MONTHS. IT SHALL BE APPLIED AT THE APPROPRIATE DEPTH, ANCHORED, AND MAINTAIN A CONTINUOUS 90% COVER OR GREATER OF THE SOIL SURFACE. SEE MULCHING TABLE (SHEET C12).

TEMPORARY SEEDING: SHALL BE USED ON AREAS THAT WILL BE UNDISTURBED FOR LESS THAN SIX MONTHS. SEE

PERMANENT VEGETATION: SHALL BE USED ON AREAS THAT ARE AT FINAL GRADE OR ON AREAS THAT WILL BE UNDISTURBED FOR MORE THAN SIX MONTHS. SEE GRASSING TABLE AND MULCHING SCHEDULE.

7. EROSION CONTROL BLANKETS OR SODDING SHALL BE USED ON (1) ALL SLOPES STEEPER THAN 2 1/2:1 AND GREATER THAN OR EQUAL TO 10 FEET IN HEIGHT, (2) ALL CONCENTRATED FLOW AREAS, AND (3) CUTS AND FILLS ADJACENT TO STATE WATERS. REFER TO DRAWINGS FOR AREAS REQUIRING THESE MEASURES.

8. DUST RAISED FROM VEHICULAR TRAFFIC MUST BE CONTROLLED BY WETTING DOWN WITH WATER AS NECESSARY. WHEN THE RELATIVE HUMIDITY IS OVER 30%, DUST CONTROL MAY BE ACCOMPLISHED BY CALCIUM CHLORIDE, ANIONIC ASPHALT EMULSION, LATEX EMULSION, RESIN-IN-WATER EMULSION, OR OTHER APPROVED BY THE GEORGIA DEPARTMENT OF TRANSPORTATION. CHEMICALS SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

9. TEMPORARY MEASURES SUCH AS SILT FENCING SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR ONCE THE AREA DRAINING TO THE BMP HAS REACHED FINAL STABILIZATION. FINAL STABILIZATION MEANS THAT ALL LAND-DISTURBING ACTIVITIES HAVE BEEN COMPLETED AND THAT FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES, AT LEAST 70% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION OR EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS RIP RAP, GABIONS, PERMANENT MULCHES, OR GEOTEXTILES) HAVE BEEN EMPLOYED.

20. FAILURE TO PROPERLY INSTALL AND MAINTAIN EROSION CONTROL PRACTICES SHALL RESULT IN CONSTRUCTION BEING HALTED. 21. THERE IS ONE WETLAND IMPACT FOR THIS PROJECT ON IRA HICKS BLVD. THIS CROSSING HAS BEEN PERMITTED THROUGH THE

22. A COPY OF THE LDA PERMIT, APPROVED ES\$PC PLAN, AND ALL REQUIRED NPDES DOCUMENTATION SHALL BE PRESENT ON THE SITE UNTIL A NOTICE OF TERMINATION IS FILED.

23. PROPOSED WORK IS THE INSTALLATION OF RAW AND POTABLE WATER MAINS.

24. DISTURBED AREA IS ±6.7 ACRES.

25. THE PROJECT WILL BE CONSTRUCTED WITHIN LAND LOT 234 IN THE 9th LAND DISTRICT

26. A TRIBUTARY OF BIG INDIAN CREEK IS THE RECEIVING WATER FOR THIS PROJECT. NO WORK WILL TAKE PLACE WITHIN THE WATERS OF THIS TRIBUTARY OR BIG INDIAN CREEK.

27. THE CITY OF FORT VALLEY DOES NOT PAY AD VALOREM ON PUBLIC RIGHT-OF-WAY AND EASEMENTS

28. IN CASE OF EMERGENCY, 24 HOUR CONTACT: KEITH SPILLERS

> 500 ANTHOINE ST FORT VALLEY, GA 31030 (478) 825-7701

29. TOTAL PROJECT AREA IS ±6.7 ACRES.

ARMY CORPS OF ENGINEERS.

30. THERE IS ONE STATE WATER LOCATED IN THE PROJECT AREA. THE WATER WILL BE PROTECTED A DOUBLE ROW OF TYPE C BILT FENCE. THE CROSSING (INTERMITTENT STREAM) HAS BEEN PERMITTED THROUGH THE ARMY CORPS OF ENGINEERS.

31. UTILITIES ARE OWNED AND OPERATED BY THE CITY OF FORT VALLEY

KEITH SPILLERS 500 ANTHOINE ST FORT VALLEY, GA 31030 (478) 825-7701

32. NO UTILITY CONTRACTOR HAS BEEN SELECTED TO COMPLETE THE WORK, SO THE PRIMARY PERMITEE IS UNKNOWN AT THIS TIME. FOLLOWING THE BID, THIS INFORMATION WILL BE ADDED TO THE EROSION CONTROL PLAN IN THE BOX PROVIDED TO THE RIGHT.

33. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY

34. Any amendment to the erosion control plans which have a significant effect on emps with a hydraulic component

35. No waste materials will be disposed of into storm water inlets or waters of the state unless authorized by A SECTION 404 PERMIT. ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE WILL BE BURIED ONSITE. ALL PERSONNEL will be instructed on proper procedures for waste disposal. A notice stating these practices will be posted at the JOBSITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

36. WASH DOWN OF CONCRETE DRUM IS PROHIBITED AT JOB SITE. CONCRETE RESIDUE PRODUCED FROM WASHING TOOLS, MIXER CHUTES, HOPPERS, & THE REAR OF VEHICLES MUST BE REMOVED FROM THE SITE & PROPERTY DISPOSED OF BY CONTRACTOR.

37. CLEAN UP ANY PETROLEUM SPILLS OR LEAKS IMMEDIATELY BY ELIMINATING THE SOURCE, PREVENTING THE SPILL FROM SPREADING # REMOVING ANY CONTAMINATED MATERIAL. KEEP SPILL SORBENTS AND A SPILL KIT ON HAND TO HANDLE ANY PETROLEUM LEAKS OF SPILL. SHOVEL OR SWEEP USED SORBENTS FROM THE CONTAMINATION SITE AND DISPOSE OF IN A PROPER CONTAINER.

38. NON EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN 25 OR 50 FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

39. THE DESIGN PROFESSIONAL WHO PREPARED THE ES \$ PS PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT

40. THIS EROSION CONTROL PLAN IS IN COMPLIANCE WITH WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS DURING AND AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED. PORTA POTTIES WILL BE UTILIZED BY EMPLOYEES DURING CONSTRUCTION. FOLLOWING CONSTRUCTION, THE PORTA POTTY FACILITIES WILL BE REMOVED FROM THE SITE AND THE WASTE WILL BE TREATED APPROPRIATELY.

41. THE DISCHARGE OF STORM WATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED, & MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDITION RESULTS IN THE TURBIDITY OF THE DISCHARGE 75 NTU. (WARM WATER STREAM/DRAINAGE AREA = 0 - 4.99 SM/SITE SIZE= 1.00 - 10 ACRES.

42. INSPECTIONS/RECORD KEEPING REQUIREMENTS

INSPECTIONS SHALL BE MADE BY CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE BASED ON THE FOLLOWING CRITERIA (CONTINUE ALL INSPECTIONS UNTIL A NOTICE OF TERMINATION IS FILED)

• EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, INSPECT: * ALL AREAS WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND

* ALL LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. * RAINFALL MEASUREMENT DEVICES TO RECORD RAINFALL FOR THE PREVIOUS 24 HOUR PERIOD

• AT LEAST ONCE EVERY FOURTEEN (14) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS THE STORM ENDS AFTER 5:00 P.M. ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY, OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTIONS SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST):

+ DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT UNDERGONE FINAL STABILIZATION. + AREAS USED FOR MATERIAL STORAGE THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT UNDERGONE FINAL

* STRUCTURAL CONTROL MEASURES.

STABILIZATION.

* EROSION AND SEDIMENT CONTROL MEASURES TO ENSURE THAT THEY ARE OPERATING PROPERLY

* DISCHARGE LOCATIONS OR POINTS, WHERE ACCESSIBLE.

· AT LEAST ONCE PER MONTH, INSPECT AREAS THAT HAVE UNDERGONE FINAL STABILIZATION FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). ALSO, INSPECT EROSION AND SEDIMENT CONTROL MEASURES FOR PROPER OPERATION AND DISCHARGE LOCATIONS OR POINTS, WHERE ACCESSIBLE. RECORDS SHALL BE MAINTAINED TO MEET THE FOLLOWING REQUIREMENTS:

• REVISE THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN BASED ON THE RESULTS OF EACH INSPECTION NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING ANY INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS POSSIBLE BUT NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING ANY INSPECTION.

• GENERATE A REPORT FROM EACH INSPECTION THAT INCLUDES THE NAME(S) OF PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN AS A RESULT OF THE INSPECTION. RETAIN REPORTS ONSITE OR AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION HAS BEEN FILED. REPORTS SHALL EITHER IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE OR CONTAIN A CERTIFICATION THAT THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND THE NPDES PERMIT

43. SAMPLING FREQUENCY SAMPLING SHALL BE PERFORMED BY THE PRIMARY PERMITTEE BASED ON THE FOLLOWING CRITERIA:

• AT LEAST ONCE FOR EACH QUALIFYING (AS DEFINED IN NOTE NUMBER 6) RAINFALL EVENT. SAMPLES MUST BE TAKEN WITHIN FORTY-FIVE (45) MINUTES OF:

+ THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL FOR THE QUALIFYING EVENT, IF THE STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER OR FROM A MONITORED OUTFALL HAS BEGUN AT OR PRIOR TO THE

* THE BEGINNING OF ANY STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER OR FROM A MONITORED OUTFALL IF THE DISCHARGE BEGINS AFTER THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL FOR THE QUALIFYING EVENT . WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE, OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTED SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM WATER DISCHARGE.

44. SAMPLING REPORTS . SUBMIT A SUMMARY OF THE MONITORING RESULTS TO EPD BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. SAMPLING REPORTS MUST BE SIGNED AND SUBMITTED TO EPD UNTIL A NOTICE OF

• SUBMIT ALL CORRESPONDENCE BY RETURN RECEIPT CERTIFIED MAIN TO THE APPROPRIATE EPD DISTRICT OFFICE. RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR AT A DESIGNATED LOCATION FROM THE COMMENCEMENT OF CONSTRUCTION UNTIL THE NOTICE OF TERMINATION IS FILED.

MONITORING REPORTS MUST INCLUDE THE FOLLOWING INFORMATION:

* DATE, EXACT PLACE, AND TIME OF SAMPLING OR MEASUREMENTS

+ NAME OF THE INDIVIDUAL(S) WHO PERFORMED THE SAMPLING AND MEASUREMENTS

* DATE ANALYSES WERE PERFORMED * TIME ANALYSES WERE INITIATED

* NAME OF THE INDIVIDUAL(S) WHO PERFORMED THE ANALYSES

+ REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED

* RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS, OR TAPES, ETC. USED TO DETERMINE THESE RESULTS

* RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU"

45. RETENTION OF RECORDS

• THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOTICE OF TERMINATION IS FILED.

* A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD

+ A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN + THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INITIAL INSPECTION OF EROSION CONTROL MEASURES.

+ A COPY OF ALL MONITORING INFORMATION, RESULTS, AND REPORTS

* A COPY OF ALL INSPECTION REPORTS GENERATED

* A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS

* DAILY RAINFALL INFORMATION COLLECTED

• THE PRIMARY PERMITTEE SHALL RETAIN COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, REPORTS, PLANS MONITORING REPORTS, MONITORING INFORMATION, INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT, AND ANY OTHER RECORDS PERTAINING TO THE NPDES PERMIT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOTICE OF TERMINATION IS SUBMITTED TO EPD. RECORDS SHALL BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE.

46. SAMPLE COLLECTION REQUIREMENTS: ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136. SAMPLES CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER. LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION. MANUAL, AUTOMATIC, OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED SHOULD BE ANALYZED IMMEDIATELY. BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.

PRIMARY PERMITTE

PHONE NUMBER

<u>DESCRIPTION OF EROSION CONTROL MEASURES:</u>

PRIOR TO ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR WILL BE REQUIRED TO INSTALL ALL PERIMETER BMPS, INCLUDING ALL SILT FENCE AND A CONSTRUCTION EXIT. ONLY AFTER THESE BMPS ARE IN PLACE WILL CONSTRUCTION ACTIVITIES BEGIN. SEDIMENT STORAGE WILL BE ACCOMPLISHED BEHIND SILT FENCE. SILT FENCE WILL BE CHECKED DAILY FOR DEFICIENCIES AND WILL BE CLEANED OUT WHEN SEDIMENT ACCUMULATES TO 18" HIGH AT THE SEDIMENT BARRIER. ANY DEFICIENCIES DISCOVERED IN THE DAILY INSPECTIONS WILL BE REPAIRED IMMEDIATELY. AS CONSTRUCTION ACTIVITIES PROGRESS, DISTURBED AREAS WILL BE MULCHED AND TEMPORARY GRASS WILL BE CULTIVATED BY THE CONTRACTOR. WHEN ALL LAND DISTURBING ACTIVITIES ARE COMPLETE, PERMANENT GRASSING WILL BE ESTABLISHED. WHEN PERMANENT GRASSING COVERS ALL DISTURBED AREAS CONTRACTOR WILL REMOVE AND DISPOSE OF ALL SILT FENCE. PERMANENT GRASSING WILL SERVE TO PERMANENTLY STABILIZE THE AREA AND PREVENT EROSION AFTER CONSTRUCTION ACTIVITIES ARE COMPLETE

STORM WATER POLLUTANT CONTROL AFTER CONSTRUCTION

KEITH SPILLERS

(478) 825-77*0*1

500 ANTHOINE ST

FORT VALLEY, GA 31030

SILT FENCE WILL REMAIN IN PLACE UNTIL THE SITE IS FULLY STABILIZED WITH PERMANENT VEGETATION. AFTER PERMANENT VEGETATION IS ESTABLISHED, SILT FENCE WILL BE REMOVED. NO POLLUTANTS SHOULD BE EXPECTED IN THE WATER AFTER FINAL SITE STABILIZATION.

DESIGNER'S GSWCC

CERTIFICATION NUMBER: 2068

<u>Sampling rationale - upstream</u> # DOWNSTREAM LOCATIONS

THE DIFFERENCE BETWEEN THE DOWNSTREAM MONITORING LOCATION AND THE UPSTREAM MONITORING LOCATION MUST BE NO GREATER THAN 25 NTU.

RUNOFF COEFFICIENT

WEIGHTED PRE CONSTRUCTION ON CURVE NUMBER: 70

WEIGHTED POST CONSTRUCTION ON CURVE NUMBER: 70

PROPOSED CONTOUR NOTE: THERE ARE NO PROPOSED CONTOURS FOR THIS PROJECT. ALL GRADES SHALL BE RETURNED TO EXISTING UPON COMPLETION OF WATER MAIN INSTALLATION.

LICENSED PROFESSIONAL CERTIFICATION:

(1) I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT UNDER MY DIRECT SUPERVISION.

(2) I CERTIFY THAT THE PERMITTEES EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY I OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAIN ED IN THE GENERAL NPDES PERMIT NO. GAR 100002.

ARTHUR GAVIN

GA REGISTERED PROFESSIONAL ENGINEER NO. 28694 GSWCC LEVEL II CERTIFICATION NO 2068

DESIGN PROFESSIONAL 7 DAY VISIT CERTIFICATION:

CERTIFY THE SITE WAS IN COMPLIANCE WITH THE ES&PC PLAN ON THE DATE OF INSPECTION.

CERTIFIED BY:

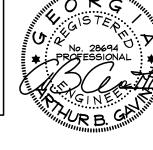
ARTHUR GAVIN

GA PROFESSIONAL ENGINEER NO. 28694 GSWCC LEVEL II CERTIFICATION NO 2068

OWNER'S CERTIFICATION:

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUEMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT CERTIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

NED WATSON, GENERAL MANAGER



24 HR LOCAL EROSION CONTROL CONTACT

REVISIONS: INITIAL PLAN DATE: MAY 15, 2013

> Ξ H

C & S C.A.D.D. NONE

ISSUE DATE: **JANUARY 8, 2018** PROJ. NO.: F7500.042 (C) SHEET NO.: JANUARY 2018

		FERTILIZER RA	1 2 5	
YPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT	RATE	N TOP DRESSING RATE
. COOL SEASON	FIRST	6-12-12	1500 LBS./AC.	50-100 LBS./AC 1/ 2/
GRASSES	SECOND	6-12-12	1000 LBS./AC.	
	MAINTENANCE	10-10-10	400 LBS./AC.	30
. COOL SEASON GRASSES AND	FIRST	6-12-12	1500 LBS./AC.	0-50 LBS./AC 1/
LEGUMES	SECOND	0-10-10	1000 LBS./AC.	
	MAINTENANCE	0-10-10	400 LBS./AC.	
. GROUND COVERS	FIRST	10-10-10	1300 LBS./AC. 3/	
	SECOND	10-10-10	1300 LBS./AC. 3/	
	MAINTENANCE	10-10-10	1100 LBS./AC	
. PINE SEEDLINGS	FIRST	20-10-15	ONE 21 GRAM PELLET PER SEEDLING PLACED IN THE CLOSING HOLE	
. SHRUB	FIRST	0-10-10	700 LBS./AC.	
LESPEDEZA	MAINTENANCE	0-10-10	700 LBS./AC. 4/	
. TEMPORARY COVER CROPS SEEDED ALONE	FIRST	10-10-10	500 LBS./AC.	30 LBS./AC. 5/
. WARM SEASON	FIRST	6-12-12	1500 LBS./AC.	50-100 LBS./AC 2/ 6/
GRASSES	SECOND	6-12-12	800 LBS./AC.	50-100 LBS./AC. 2/
	MAINTENANCE	10-10-10	400 LBS./AC	30 LBS./AC.
WARM SEASON	FIRST	6-12-12	1500 LBS./AC.	50-100 LBS./AC 6/
GRASSES AND LEGUMES	SECOND	0-10-10	1000 LBS./AC.	
	MAINTENANCE	0-10-10	400 LBS./AC	T

/ APPLY IN SPRING FOLLOWING SEEDING. :/ APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED. 5/ APPLY IN SPLIT APPLICATIONS. APPLY WHEN PLANTS ARE PRUNED. / APPLY TO GRASS SPECIES ONLY

5/ APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES.

SOUTHERN PIEDMONT VEGETATIVE COVERS						
MONTH	TEMPORARY SEED	TEMP RATE/ACRE	PERMANENT SEED LANDSCAPES/SHOULDERS	PERM. RATE/ACRE	PERMANENT SEED (SLOPES 2:1 AND STEEPER)	PERM. RATE/ACR
JANUARY	RYEGRASS	40 LB.	UNHULLED BERMUDA	20 LB.		
FEBRUARY	BROWN TOP MILLET	40 LB.	UNHULLED BERMUDA	20 LB.		
MARCH	ANNUAL LESPEDEZA WEEPING LOVEGRASS	40 LB. 3 4-6 LB.	HULLED BERMUDA	20 LB.	SERICEA LESPEDEZA \$ WEEPING LOVEGRASS	75 LB. 4 LB.
APRIL	BROWN TOP MILLET	40 LB.	HULLED BERMUDA	20 LB.	SERICEA LESPEDEZA # WEEPING LOVEGRASS	75 LB. 4 LB.
MAY	BROWN TOP MILLET	40 LB.	HULLED BERMUDA	20 LB.	SERICEA LESPEDEZA # WEEPING LOVEGRASS	75 LB. 4 LB.
JUNE	BROWN TOP MILLET	40 LB.	HULLED BERMUDA	20 LB.	SERICEA LESPEDEZA # WEEPING LOVEGRASS	75 LB. 4 LB.
JULY	BROWN TOP MILLET	40 LB.			SERICEA LESPEDEZA # WEEPING LOVEGRASS	75 LB. 4 LB.
AUGUST	BROWN TOP MILLET	40 LB.				
SEPTEMBER	WHEAT	2-3 BU.				
OCTOBER	WHEAT	2-3 BU.	UNHULLED BERMUDA	20 LB. 30-40 LB.		
NOVEMBER	WHEAT	2-3 BU.	UNHULLED BERMUDA	20 LB.		
DECEMBER	RYEGRASS		UNHULLED BERMUDA	20 LB.		
TEMPORAR	Y VEGETATION/ MU	JLCHING -	DS2			
LIME: APPLY AG	RICULTURAL LIME AT A RA	TE OF ONE TON	PER ACRE.			<u> </u>
FERTILIZER: API	PLY 10-10-10 FERTILIZER AT	A RATE OF 500	LBS PER ACRE.			
MULCHING RATES:						
1 - DRY STRAM: 2 TONS PER ACRE 2 - DRY HAY: 2.5 TONS PER ACRE 3 - MOOD CELULIOSE MUCH OF MOOD PULP FIBER: 500 LBS PER ACRE						
PERMANENT VEGETATION/ MULCHING - DS3						
LIME: APPLY AG	LIME, APPLY AGRICULTURAL LIME AT A RATE OF ONE TO TWO TONS PER ACRE AS RECOMMENDED BY SOIL TESTS.					
	FERTILIZER: APPLY 6-12-12 FERTILIZER AT A RATE OF 1200 LB6 PER ACRE.					
MULCHING RATES: 1 - DRY STRAM: 2 TONS PER ACRE 2 - DRY HAY: 2.5 TONS PER ACRE 3 - WOOD CELLULOSE MULCH OR WOOD PULP FIBER: 500 LBS PER ACRE						

24 HR LOCAL EROSION CONTROL CONTACT KEITH SPILLERS 500 ANTHOINE ST. FORT VALLEY, GA 31030 (478) 825-7701

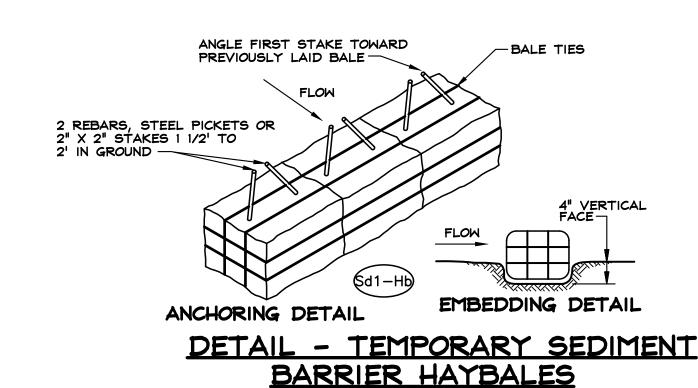
DESIGNER'S GSWCC CERTIFICATION NUMBER: 2068

CODE	PRACTICE	DETAIL	SYMBOL	DESCRIPTION
Cq	CHECKDAMS		(a) \	A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.
Co	CONSTRUCTION EXIT		(Label)	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires, thereby protecting public streets.
Cr	CONSTRUCTION ROAD STABILIZATION			A travelway to provide a fixed route for travel for construction traffic and reduce erosion and subsequent regrading of permanent roadbeds between time of initial grading and final stabilization.
Öi	DIVERSION			An earth channel or dike located above, below, or across a slope to divert runoff. This may be a temporary or permanent structure.
(Dn1)	TEMPORARY DOWNDRAIN STRUCTURE			A temporary flexible conduit of heavy—duty fabric or other material designed to safely conduct surface runoff down a slope. This is temporary and inexpensive.
(Dn2)	PERMANENT DOWNDRAIN STRUCTURE			A permanent paved chute, pipe, sectional conduit or similar material, designed to safely conduct surface runoff down a slope.
Dr1	DRAIN, SUBSURFACE	(SEE FRENCH DRAIN DETAIL)		Underground conduit to remove excess ground water.
Fr	FILTER RING		Fr (Label)	A temporary stone barrier constructed at storm drain inlets and pond outlets.
Rt	RETROFITTING		(Label)	A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.
(Sd1)	SEDIMENT BARRIER		TYPE (Indicate type)	A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a sediment fence. The barriers are usually temporary and inexpensive.
Sd2	SEDIMENT TRAP, TEMPORARY	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		A temporary sediment barrier placed around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
(Sd3)	SEDIMENT BASIN, TEMPORARY			A basin created by excavation or a dam across a waterway. The surface water run—off is temporarily stored allowing the bulk of the sediment to drop out. The basin is usually temporary but may be designed as a permanent pond or stormwater retention device.
St	STORM DRAIN INLET/OUTLET PROTECTION		St (Label)	A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
Тр	TOPSOILING	AVA STITUTE OF THE STATE OF THE	Тр	The practice of stripping off the more fertile topsoil, storing it, then spreading it over the disturbed area after the completion of construction activities.
Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE	EROSION BLANKET	Wt	Paved or vegetative water outlets for diversions, terraces, berms, dikes or similar structures.

CONVEYANCE CHANNEL

STRUCTURAL PRACTICES VEGETATIVE PRACTICES

Bf	BUFFER ZONE		Bf (Label)	An undisturbed natural "green belt" separating the land—disturbed site from surrounding property and bordering streams. It serves to reduce water velocity and remove some sediment. It is also at times a noise or "vision pollution" barrier.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporary protection for disturbed areas where seedings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)		Ds2	Establish a temporary vegetative cover with fast growing seedings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)		Ds3	Establishing permanent vegetative cover such as trees, shrubs, vines, grasses, sod or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (WITH SODDING)		Ds4	Establishing permanent vegetative cover with sod on highly erodible or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS	@ FACTOR	Du	Controlling surface and air movement of dust on construction sites, roadways and similar areas.
МЬ	EROSION CONTROL MATTING AND BLANKETS		МЬ	Establishing permanent vegetation on steep slope, channels, or shorelines.



EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD: OCMULGEE RIVER

Project Name: WATER SYSTEM IMPROVEMENTS FOR FVSU: CONT. C Address: 500 ANTHOINE STREET, FORT VALLEY, GA City/County: FORT VALLEY/PEACH

Date on Plans: MARCH 2013 Plan Included TO BE SHOWN ON ES&PC PLAN Page# Y/N ER 3 1. The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed) 2-ER3 2. Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC plan or the 3. The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls. 4. Provide name, address and phone number of primary permittee. SEE NOTE 32

5. Note total and disturbed acreage of the project or phase under construction. SEE NOTES 24 \$ 29
6. Provide land lot and district numbers for site location. Describe critical areas and any additional measures that will be utilized for these areas. SEE NOTE 25 7. Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary. 8. Graphic scale and north arrow. 9. Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: Existing Contours: USGS 1":2000' Topographical Sheets SEE PROPOSED CONTOUR NOTE, SHEET E2 Proposed Contours: 1": 400' Centerline Profile ER 1 Y 10. Delineation and acreage of contributing drainage basins on the project site. 11. Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site. 12. Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact. ER 1 13. Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is 14. Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points. ER 1 Y 15. Soil series for the project site and their delineation. ER 2 16. Identify the project receiving waters and describe all adjacent areas including streams, lakes, residential areas,

wetlands, etc. which may be affected. SEE NOTE 26

17. Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.* N/A 18. If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 18 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or

requirements included in the TMDL Implementation Plan.* 19. Delineate on-site drainage and off-site watersheds using USGS 1": 2000' topographical sheets. SEE ATTACHED Y 20. Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.

Y 21. The limits of disturbance for each phase of construction. Y 22. Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written rationale explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the plan for each common drainage location in which a sediment basin is not provided. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls.

N/A 23. Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org. 24. Best Management Practices to minimize off-site vehicle tracking of sediments and the generation of dust.

SEE NOTE 15

BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.* SEE NOTE 36

26. Provide BMPs for the remediation of all petroleum spills and leaks.*

SEE NOTE 37

27. Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.

REVISIONS:

MAY 15, 2013

INITIAL PLAN DATE:

TENSIO

[OISIMIM]

ER 2 Y 28. Description of the nature of construction activity. SEE NOTE 23

29. A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final

BMPS SEE DESCRIPTION OF EROSION CONTROL MEASURES ER 1 Y 30. Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility

activities, temporary and final stabilization). 31. Description of the practices that will be used to reduce the pollutants in storm water discharges.*

SEE DESCRIPTION OF EROSION CONTROL MEASURES

32. Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.*

ER 2 33. Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on page 15 of the permit. ER 2 Y 34. Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on page 14 of the permit.* ER 2 35. Certification statement and signature of the permittee or the duly authorized representative as stated in section V.G.2.d. of

the state general permit.* ER 2 36. An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are ER 2 Y 37. Indication that non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as

ER 2 38. Indication that the design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation.* ER 2 Y 39. Indication that amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic

measured from the point of wrested vegetation without first acquiring the necessary variances and permits.

SEE NOTE 34

40. Indication that waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit.*

ER 2 Y 41. Documentation that the ES&PC Plan is in compliance with waste disposal, sanitary sewer, or septic tank regulations during

and after construction activities have been completed.* Y 42. Provide complete requirements of inspections and record keeping by the primary permittee.*

43. Provide complete requirements of sampling frequency and reporting of sampling results.* 44. Provide complete details for retention of records as per Part IV.F. of the permit.*

SEE NOTE 45

Y 45. Description of analytical methods to be used to collect and analyze the samples from each location.*

SEE NOTE 46

Y 46. Appendix B rationale for outfall sampling points where applicable.*

SEE NOTE 41

A7. Cloudy note established diletters. "The assesse of sediment from the site shall be prevented by

47. Clearly note statement in bold letters- "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to, or concurrent with, land disturbing activities." SEE NOTE 10

ER 2 48. Clearly note maintenance statement in bold letters - "Erosion control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."

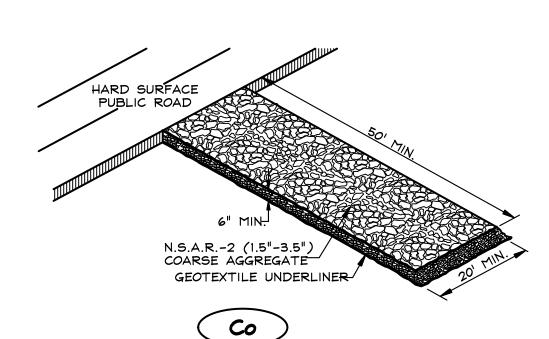
SEE NOTE 11

49. Clearly note the statement in bold letters - "Any disturbed area left exposed for a period greater than 14 days

shall be stabilized with mulch or temporary seeding." SEE NOTE 33 ER 3 Y 50. Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.

ER 3 Y 51. Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia. Effective January 1, 2012

*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items would be N/A.



CONSTRUCTION EXIT DETAIL

CONSTRUCT CONSTRUCTION EXITS AT LOCATIONS SHOWN ON THE EROSION CONTROL PLAN. EXIT SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE

AGGREGATE SIZE: WILL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION ASTM D448 SIZE #1 (1.5 TO 3.5 INCH STONE). STONE SHALL BE UNDERLAYED WITH GEOTEXTILE FABRIC.

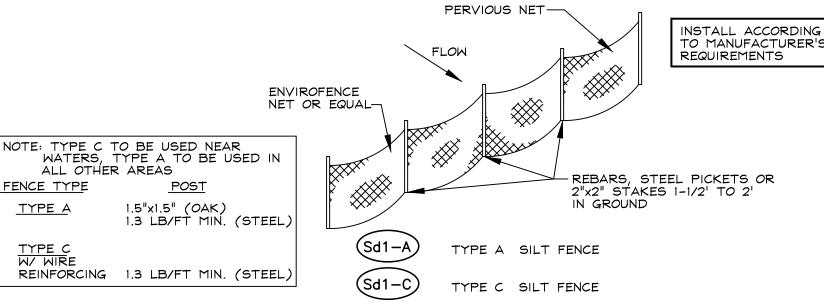
PAD THICKNESS: 6-INCH MINIMUM. PAD WIDTH:

WASHING:

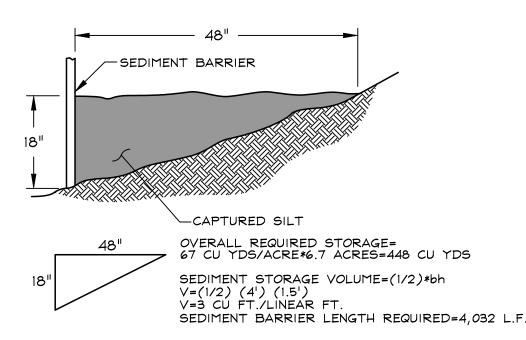
AT AT MINIMUM, SHOULD EQUAL FULL WIDTH OF ALL POINTS OF VEHICULAR EGRESS, BUT NOT LESS THAN 20 FEET WIDE AND 50 FEET LONG.

> WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WASHING SHALL BE PERFORMED ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING MAINTENANCE: WITH 1.5-3.5 INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.



TEMPORARY SEDIMENT BARRIER SILT FENCE



SEDIMENT BARRIER SILT STORAGE

SEDIMENT BARRIER LENGTH PROVIDED=4,200 L.F.



C & S C.A.D.D. NONE **JANUARY 8, 2018** ISSUE DATE: PROJ. NO.: F7500.042 (C) SHEET NO.:

SOIL EROSION CONTROL NOTES & DETAILS