Tyrone Planning Commission Agenda
January 22, 2018
7:00 PM

I. Call to Order

II. Approval of Agenda

III. Approval of Minutes from December 14, 2017

IV. Public Hearing

V. New Business

1. Appointment of Chairman and Vice-Chairman Planning Commission seats. ***Planning Commission***

2. Consideration of Civil Engineering Plans for Bethel Church Atlanta Site. ***Phillip Trocquet, Planning & Development Coordinator.***

VI. Staff Comments

1. Workshop meeting topics & trainings. ***Phillip Trocquet, Planning & Development Coordinator.***

VII. Commission Comments

VIII. Adjournment

Tyrone Planning Commission

Jeff Duncan
Vice-Chairman

Scott Bousquet
Commissioner

Dia Hunter
Commissioner

David Nebergall
Commissioner

Carl Schouw
Commissioner

Staff

Patrick Stough
Town Attorney

Phillip Trocquet
Planning & Development Coordinator

Meeting Information

2nd & 4th Thursday of each month

881 Senoia Road
Tyrone, Ga 30290
770-487-4038
www.tyrone.org

Town of Tyrone
Planning Commission Meeting Minutes
Thursday December 14th, 2017
7:00 PM

Present:
Chairman, Wil James
Vice-Chairman, Jeff Duncan
Commission Member, David Nebergall
Commission Member Marlon Davis

Absent:
Commission Member Carl Schouw

Planning Commission Chairman Wil James called the meeting to order at 7:00 pm.

Approval of Agenda

Commissioner Duncan made a motion to approve the agenda.
Commissioner Davis seconded the motion. Motion was approved 4-0.

Approval of Minutes for October 26, 2017

Commissioner Davis made a motion to approve the minutes from October 26, 2017. Commissioner Duncan seconded the motion.

Motion was approved 3-0.

Public Hearing:

1. *Consideration to recommend approval of a Development Plan Revision for Founders Studio from applicant Nathan Dockery requesting an additional 15-acre addition to the parcel on the corner of SR-74 and Jenkins Road to assume M-1 Zoning with a PIP (Planned Industrial Park) Overlay.* ***Phillip Trocquet, Planning & Development Coordinator****.*

Mr. Trocquet presented the item. Mr. Trocquet stated that the revision would incorporate the addition of 15 acres previously owned by Hopewell United Methodist Church as well as a 50' multipurpose/greenbelt easement along the rear of the property. He stated that the development plan update also incorporated a proposed access drive from the existing curb cut along 74 towards potential development to the north. Mr. Trocquet stated that since the parcel was zoned with a PIP (Planned Industrial Park) Zoning, this revision will incorporate a rezoning as well as a final plat revision. In regards to the 15 acres being added, Mr. Trocquet stated that it was zoned E-I (Educational Institutional) and that the land use was undeveloped. He stated that the surrounding zoning was O-I (Office-Institutional) to the north, E-I to the south, AR (Agricultural Residential) to the west, and M-1 with a PIP overlay to the east. Mr. Trocquet

stated that this rezoning and development plan update was consistent with the zoning ordinance and future land use plan. He also stated that the rezoning and development plan revision was consistent with the Town's Comprehensive Plan and Future Development Map; the property landed within the Town's Community Gateway Character area which sets standards for higher architectural, urban planning, and landscaping requirements, both of which are incorporated within the Founders Studio development plan. Mr. Trocquet stated that staff recommended approval.

Chairman James closed the public hearing for any in favor of the proposed rezoning. No one spoke.

Chairman James closed the public hearing for those in favor of the proposed rezoning.

Chairman James opened the public hearing for any in opposition to the proposed rezoning. No one spoke.

Chairman James closed the public hearing for those in opposition to the proposed rezoning.

Chairman James called for commission comments. Commissioner Duncan addressed Mr. Trocquet and asked if Mr. Dockery was requesting an additional curb cut along SR-74. Mr. Trocquet stated that this development plan revision did not incorporate an additional curb cut; he stated that the proposed access drive in the development plan revision was being connected to the existing SR-74 curb cut in the middle of the property. Commissioner Duncan wanted it to be known that he was not in support of additional curb cuts for the Founders Studio project.

Commissioner Nebergall made a motion to approve the requested rezoning and development plan revision. Commissioner Davis seconded the motion.

Motion carried 3-0.

Old Business:

New Business:

2. *Consideration of a preliminary plat submission for The Cottages at Windsong subdivision off of Ashland Trail from Applicant Rod Wright.* ***Phillip Trocquet, Planning & Development Coordinator.***

Mr. Trocquet presented the item. He stated that the proposed 45 acre subdivision will include 33 lots off of Ashland Trail and is surrounded by the existing Lake Windsong Subdivision. Mr. Trocquet stated that the plat received TRC (Technical Review Committee) approval as well as requested certification from Intercontinental Gas as their easement runs through the property. Mr. Trocquet stated that the existing zoning was R-18 (Residential 1800sqft minimum) which was to remain on the property and that the property was undeveloped outside of the gas line cutting the property in half. Mr. Trocquet stated that the surrounding zoning was R-18 to the north, south, and east and that the property bordered Coweta County to the west. Mr. Trocquet went on to state that the proposed subdivision was compatible with the Town's zoning ordinance and comprehensive plan. Staff recommendation was for approval.

Chairman James asked Mr. Trocquet if the development in question was an addition to the Lake Windsong subdivision. Mr. Trocquet stated that it is technically not a next phase of the Lake Windsong subdivision as it is a separate developer, but that it would essentially be an addition to the Windsong area neighborhood. He also stated that the developer and the president of the Lake Windsong HOA were in communication regarding the addition of the Cottages at Lake Windsong to the Lake Windsong HOA. Chairman James then asked if there was to be an additional connection from the Lake Windsong Neighborhood to the proposed subdivision. Mr. Trocquet stated that the only

access point was off of Ashland Trail. Mr. Trocquet directed Planning Commission to the plat for clarification. Mr. Trocquet referenced the ordinance which requires only one access point for subdivisions under 100 homes.

Commissioner Nebergall asked what kind of issues could arise from the gas easement. Mr. Trocquet stated that there should be no issues as the developer had been granted certification to operate within the easement. He went on to say since it was an easement, homeowners would technically own the land, but that they would not be permitted to build within the easement area. Mr. Trocquet stated that the Briar Hill subdivision on the eastern border of the town had the same easement running through it. Commissioner Nebergall asked if there were any potential issues for the homeowners. Mr. Trocquet responded that issues were rare.

Chairman James inquired as to the reception of the surrounding subdivisions to the proposed addition. Mr. Trocquet stated that the Lake Windsong HOA President was in support of the subdivision based on his initial conversation with him. He also stated that Mr. Wright (the developer) had a separate conversation with the Lake Windsong HOA President. Chairman James asked Mr. Wright to approach the podium. Mr. Wright stated that the HOA President was willing to allow the future homeowners of new development to pay HOA dues for the use of Lake Windsong amenities. Chairman James asked what the average size of the homes would be. Mr. Wright stated that they would be roughly 3,000 to 3,800 sq.ft. each. Chairman James asked how far homes could be built from the gas line. Mr. Wright responded that the gas company required a 200-foot setback for all structures.

Vice-Chairman Duncan made a motion to approve the preliminary plat. Commissioner Davis seconded the motion.

Motion passed 3-0.

3. *Consideration of a final plat revision for Stonecrest Preserve Subdivision on the corner of Dogwood Trail and Farr Road from applicant Trent Foster.* ***Phillip Trocquet, Planning & Development Coordinator.***

Mr. Trocquet presented the item. He stated that the original plat needed storm water easement revisions on multiple lots and a ROW (Right-of-Way) revision around the proposed mail kiosk. This final plat revision rectified these items. Staff recommendation is for approval.

Commissioner Davis made a motion to approve the final plat revision. Commissioner Duncan seconded the motion.

Motion passed 3-0.

4. *Consideration of a final plat from applicant Jill Rhodes to combine two lots at the end of Caboose Lane.* ***Phillip Trocquet, Planning & Development Coordinator.***

Mr. Trocquet presented the item. He stated that the location of this lot combination was directly behind Circa Antiques and that the proposed use of the property was a multi-purpose commercial building to be divided into suites. He stated that any future buildings would need to conform to the Town Center Overlay district requirements. Surrounding zoning districts are C-1 (Downtown Commercial) to the north, south, and west and R-18 to the east across the rail road tracks. Mr. Trocquet stated that combined size of the two lots would be 2 acres and that the final plat was compatible with both the zoning ordinance and comprehensive plan. Staff recommended approval.

Chairman James asked if Mr. Trocquet knew what Ms. Rhodes planned to put on the new lot. Mr. Trocquet stated that based on his conversations, the proposed building was simply a multi-tenant commercial building. He stated that she had a preliminary conversation which included bays with roll-up doors for storage.

Commissioner Nebergall made a motion to approve the final plat. Vice-Chairman Duncan seconded the motion. Motion passed 3-0.

5. *Consideration of a final plat revision for River Crest Subdivision Phase IIB from applicant Tim Poff.* ***Phillip Trocquet, Planning & Development Coordinator.***

Mr. Trocquet presented the item. He stated that the original plat needed a flood plain revision for multiple lots. This final plat revision rectified these items. Staff recommended approval.

Chairman James asked where the flood plain was located. Mr. Trocquet pointed out where the flood plain revisions were located. He stated that the revisions would not affect the buildability of any of the lots. Chairman James asked if the lots were 1 acre; Mr. Trocquet stated that since the River Crest subdivision was on sewer, the lots fluctuated between ½ and 2/3 acre.

Commissioner Davis made a motion to approve the final plat revision. Commissioner Nebergall seconded the motion.

Motion passed 3-0.

Public Comments:

Staff Comments:

Mr. Trocquet stated that he wanted to update Planning Commission on the status of the Bethel Church Development off of Handley Road and Tyrone Road. Mr. Trocquet stated that the property was located directly behind the O'Reilly Auto parts. Originally, Bethel Church was looking to obtain a curb cut off of SR-74, but based off of Town and DOT requirements, they were looking to gain access from Tyrone Road via undeveloped Handley Road ROW. Mr. Trocquet stated that this Handley Road ROW crosses Tyrone Road and ends up running approximately 1,800' before terminating into SR-74.

Chairman James requested further clarification on the proposed access from Handley Road. Mr. Trocquet pointed to the property. Mr. Trocquet stated that staff would be meeting with the developers and the Town Engineer soon to discuss Handley Road access.

Commission Comments:

Chairman James announced that he would not be seeking re-appointment at the end of his term for Planning Commission. He stated that it was an honor to serve on the Planning Commission as Chairman and that he would likely be seeking a Council position in 2018

Commissioner Davis echoed Chairman James and announced that he would also not seek re-appointment at the end of his term for Planning Commission. Commissioner Davis stated that a recent promotion at Delta included more duties as well as extra travelling. He stated that he loved serving aboard Planning Commission, but that he did not wish to compromise Planning Commission's effectiveness with his extra duties. He stated

Adjournment:

Commissioner Davis made a motion to adjourn. The meeting adjourned at 7:28 pm.

_____
Wil James, Planning Commission Chairman

_____
Phillip Trocquet, Planning & Development Coordinator.

Staff Report
Date:January 25, 2018

Town of Tyrone, Department of Planning & Zoning | 881 Senoia Road, Tyrone GA 30290

Phillip Trocquet, Planning & Zoning Coordinator
ptrocquet @tyrone.org (770) 487-4038 ex. 108

DOCKET/CASE/APPLICATION NUMBER	APPLICANT/PROPERTY OWNER
PC 01252018	Tom Daniel

PLANNING COMMISSION MEETING DATE	TOWN COUNCIL MEETING DATE	ADDRESS/LOCATION
January 25, 2018	N/A	Handley Road, Tyrone Road, & SR-74

Summary

Applicant is submitting civil engineering plans and site plan for a proposed church on a 56 acre property directly south of Tyrone Road. Upon final TRC approval, access will be granted via existing Handley Road ROW. This ROW will need to be expanded to meet with current Town standards and will ultimately require a re-plat of the lot showing the new dedicated ROW.

All TRC members have approved except for the Town Engineer and Town Planner regarding the ROW.

Staff recommends conditional approval of these plans pending certification from both the Town Planner and Engineer. So that Bethel Church may obtain an LDP to grade and clear land for the main church site.

MAP SOURCE

EXISTING ZONING	EXISTING LAND USE	SURROUNDING ZONING & LAND USE	SITE IMPROVEMENTS	SIZE OF PROPERTY
R-20	Residential/Undeveloped	North: O-I & E-I South: R-18 East: C-1 West: R-20	Water	56.26

COMPATIBILITY WITH FUTURE LAND USE & ZONING ORDINANCE

These Construction plans are compatible with the future land use.

Once the ROW improvement plans have been certified by staff, the plans will be fully compatible with the zoning ordinance.

PROPERTY HISTORY

N/A

COMPATABILITY WITH COMPREHENSIVE PLAN AND FUTURE DEVELOPMENT MAP

This revision is compatible with both the Comp Plan and the Future Development Map. This property lies within both the community gateway character area and Quality Growth Overlay district. The project will be subject to the architectural and landscape requirements outlined in the ordinance for this district.

STAFF RECOMMENDATION

APPROVE | **APPROVE WITH CONDITIONS** | **DENY**

Legend

- R-18 Residential (1800 sq.ft. min.)
- C-1 Downtown Commercial
- AR Agricultural Residential
- OI Office-Institutional
- DR Duplex Residential
- Parcels
- Tyrone Roads
- CSX Rail

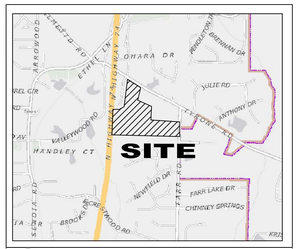
Palmetto Rd
Seneca Rd
CSX Rail
State Rte 74
State Rte 74
Lloyd Ave
Ohara Dr
Tyrone Rd
Handley Rd
Valleywood Rd
Joel Cowan Pkwy
Joel Cowan Pkwy

0 500 1000 ft

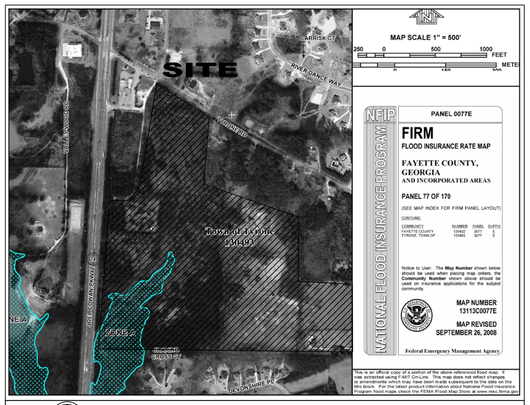
CIVIL ENGINEERING PLANS
FOR

BETHEL ATLANTA CHURCH

362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT



VICINITY MAP
NOT TO SCALE



FEMA MAP
NOT TO SCALE

24 HOUR CONTACT
JOHN PETIT (678)-898-1656

PROJECT DESCRIPTION:

THE PROJECT WILL CONSIST OF TWO STORY MULTI-PURPOSE CHURCH BUILDING WITH ITS ASSOCIATED PARKING. THE STAGES WILL INCLUDE: GRADING, BUILDING, INSTALLATION OF UTILITIES, INSTALLING AND MAINTAINING EROSION CONTROL MEASURES, ETC.

CONSTRUCTION SCHEDULE 2018

	ITEM	BMP INSTALLATION	JAN				FEB				MARCH				APRIL			
			WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 1	WEEK 2	WEEK 3	WEEK 4
PHASE I	INSTALL EROSION CONTROL	INSTALL/MAINTAIN Co, Sd1-C, Fr, Du, Ds1, Ds2, Cd-Hb																
PHASE II	DEMOLITION/ ROUGH GRADING BUILDING PAD	INSTALL/MAINTAIN Co,Sd1-C, Fr, Du, Ds1, Ds2, Cd-Hb St, Sd2-P, Rt, Ds3, Mb, Su																
PHASE II	CONSTRUCT BUILDING & HARDSCAPES	INSTALL/MAINTAIN Co,Sd1-C, Fr, Du, Ds1, Ds2, Cd-Hb St, Sd2-P, Rt, Ds3, Mb, Su																
PHASE II	SIDEWALKS & OTHER HARDSCAPES	INSTALL/MAINTAIN Co,Sd1-C, Fr, Du, Ds1, Ds2, Cd-Hb St, Sd2-P, Rt, Ds3, Mb, Su																
PHASE II	PAVING/UTILITIES	MAINTAIN Co,Sd1-C, Fr, Du, Ds1, Ds2, Cd-Hb St, Sd2-P, Rt, Ds3, Mb, Su																
PHASE III	FINE GRADING	INSTALL/MAINTAIN Du, Ds3																
PHASE III	INSTALL PERMANENT LANDSCAPE	MAINTAIN Du, Ds3, Co, Sd1-C, Sd2-P, Rt, Fr, Cd-Hb																
ALL PHASES	MAINTAIN ALL BMP'S																	
AFTER PHASE III	REMOVE ALL BMP'S	Co, Sd1-C, Sd2-P, Rt, Fr, Cd-Hb																

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Jacksonville Washington D.C.
401 Westpark Court, Suite 200
Peachtree City, GA 30269

811 *Know what's below Call before you dig. Dial 811 Or Call 800- 245 -4848*

PROJECT INFORMATION

OWNER/DEVELOPER

Bethel Atlanta Church, Client
c/o Mr. John Petitit, Project Manager
1015 Tyrone Road, Suite 810
Tyrone, GA 30290

ENGINEER / CONSULTANT

OMNI CONSULTING SERVICES
401 Westpark Court, Suite 200
Peachtree City, GA 30269
(850) 294-2501 - TOM DANIEL

PARCEL DATA

RECORD OWNER:	*BETHEL CHURCH OF ATLANTA, INC.*
PROPERTY ADDRESS:	*2020 TYRONE ROAD*
DEED REFERENCE:	*REFER TO SURVEY*
PARCEL ID. NUMBER:	*0727 013*
LOT AREA:	*TRACT A = 56.26 AC*
WATER:	*PUBLIC*
SANITARY SEWER:	*PUBLIC*
ZONING:	*A-R AGRICULTURAL RESIDENTIAL*

ZONING: A-R AGRICULTURAL RESIDENTIAL
BUILDING SETBACK: F : 100'
S: 50'
R: 50'
MIN. LOT WIDTH = 250'
MAXIMUM BUILDING HEIGHT = 35'
MAXIMUM BLDG. LOT COVERAGE: 80%

PARKING STANDARDS:
REQUIRED SIZE: 9' x 18'- Article XI- Sectionil-2d
PROPOSED SIZE: 9' x 18'
REQUIRED: 1 PER 3 SEATS (350/3 = 117 SPACES REQUIRED)

PROPOSED: = 154 SPACES ONSITE MEETS ARTICLE REQUIREMENTS

SHEET INDEX

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C 2.0	SITE SURVEY
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C 3.1.1	NORTHERN ENTRANCE SITE PLAN & ALIGNMENT
C 3.1.2	TYPICAL ROAD SECTIONS
C 3.2	SITE PLAN ENLARGEMENT
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C 4.2	MID AREA GRADING PLAN
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C 5.1.1	SEDIMENT BASIN CALCULATIONS
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C 5.5	EROSION & SEDIMENT CONTROL DETAILS
C 6.0	OVERALL UTILITY & WATER LINE PLAN
C 6.1	SEPTIC PLAN
C 7.0	CONSTRUCTION DETAILS
C 7.1	CONSTRUCTION DETAILS
C 7.2	CONSTRUCTION DETAILS
C 7.3	CONSTRUCTION DETAILS
C 7.4	FAYETTE COUNTY WATER CONSTRUCTION NOTES

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Atlanta Tallahassee
Jacksonville Washington D.C.
401 Westpark Court, Suite 200
Peachtree City, GA 30269
ph: 770.302.1701
fax: 770.818.5663

DESIGN OFFICE:

Construction Documents
PREPARED FOR:

JOHN PETTIT
25 PEACHTREE LAKE DRIVE
SHARPBURG, GA 30277

CLIENT

#	DATE
1	REV. PER COMMENTS 12.30.2017

BETHEL ATLANTA CHURCH
Master Plan
362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

PROJECT

GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. PE14659
CLEVE E DRYDEN

SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

COVER SHEET
C 1.0
SHEET

GENERAL NOTES

1. TOPOGRAPHIC BOUNDARY SURVEY, INCLUDING PROPERTY LINES, LEGAL DESCRIPTION, EXISTING UTILITIES, SITE TOPOGRAPHY WITH SPOT ELEVATIONS, OUTSTANDING PHYSICAL FEATURES AND EXISTING STRUCTURE LOCATIONS WAS PROVIDED BY THE OWNER.

2. THE DESIGN ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF THE SURVEY OR FOR DESIGN ERRORS OR OMISSIONS RESULTING FROM SURVEY INACCURACIES.

3. ALL PHASES OF SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE G.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

4. THE GENERAL CONTRACTOR SHALL BE HELD SOLELY RESPONSIBLE FOR AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT.

5. WARRANTY / DISCLAIMER
   THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS. NEITHER THE ENGINEER NOR ITS PERSONNEL CAN OR DO WARRANT THESE DESIGNS OR PLANS AS CONSTRUCTED EXCEPT IN THE SPECIFIC CASES WHERE THE ENGINEER INSPECTS AND CONTROLS THE PHYSICAL CONSTRUCTION AT THE SITE.

6. SAFETY NOTICE TO THE CONTRACTOR
   IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. ANY CONSTRUCTION OBSERVATION BY THE ENGINEER OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON, OR NEAR THE CONSTRUCTION SITE.

7. NO WORK SHALL EXTEND ONTO THE ADJACENT RIGHT OF WAY WITHOUT WRITTEN PERMISSION FROM THE GDOT, FAYETTE COUNTY OR THE CITY OF TYRONE BEYOND THAT DESCRIBED WITHIN THESE PLANS.

8. CONTRACTOR SHALL FURNISH SHOP DRAWINGS TO THE ENGINEER INDICATING MATERIALS AND MANNER OF INSTALLATION FOR ALL COMPONENTS OF THE PROJECT PRIOR TO PURCHASE OF MATERIALS AND CONSTRUCTION.

9. THESE ENGINEERING DRAWINGS MAY NOT SHOW ALL OF THE COUNTY/STATE STANDARD DETAILS REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY THAT THE CONSTRUCTION BE IN ACCORDANCE WITH ALL CURRENT G.D.O.T. STANDARD DETAILS AND SPECIFICATIONS WHEN REQUIRED. THE CONTRACTOR SHALL OBTAIN A COPY OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD DETAILS AND SPECIFICATIONS FROM THE DEPARTMENT PRIOR TO BEGINNING CONSTRUCTION.

10. ALL CONTRACTORS SHALL FURNISH "AS-BUILTS" AS REQUIRED BY THE PERMITTING JURISDICTION. THE COST OF AS-BUILT SERVICES SHALL BE INCLUDED AS PART OF THE CONSTRUCTION COSTS. THE CONTRACTOR SHALL COORDINATE THE PROCESSING OF "AS-BUILT" DRAWINGS WITH THE ENGINEER AND THE PERMITTING JURISDICTION. "AS BUILTS" SHALL BE PREPARED BY A LICENSED LAND SURVEYOR IN THE STATE OF GEORGIA. ALL "AS-BUILTS" SHALL BEAR THE REGISTERED LAND SURVEYOR'S SEAL TO BE ACCEPTED.

TERMS AND CONDITIONS OF WORK

THE CONTRACTOR AND TRADE CONTRACTORS AGREE TO THE FOLLOWING TERMS AND CONDITIONS OF WORK AS NOTED HEREIN:

1. THE CONTRACTOR IS ADVISED THAT NO WORK SHALL PROCEED UNTIL THE APPROPRIATE CONSTRUCTION PERMITS HAVE BEEN ISSUED BY THE LOCAL AUTHORITY. THE CONTRACTOR SHALL REVIEW AND UNDERSTAND ALL REQUIREMENTS AND CONDITIONS OF SAID PERMITS. THE CONTRACTOR SHALL BRING ANY CONFLICTS BETWEEN THE CONSTRUCTION PLANS/SPECIFICATIONS AND THE PERMIT REQUIREMENTS/CONDITIONS TO THE IMMEDIATE ATTENTION OF THE OWNER/DEVELOPER AND THE ENGINEER FOR CLARIFICATION.

2. ALL PERMITS SHALL BE POSTED AT THE JOB SITE BY THE CONTRACTOR AND MADE READILY ACCESSIBLE THROUGHOUT THE DURATION OF THE PROJECT.

3. DO NOT CONSTRUE THESE PLANS TO BE COMPLETE AND WHOLE UNTIL ALL APPLICABLE AGENCIES HAVE PERMITTED THESE PLANS.

4. THE ORDER OF IMPORTANCE OF CONFLICTING ELEMENTS WITHIN THE CONSTRUCTION DOCUMENTS, OR GOVERNING ORDER OF DOCUMENTS SHALL BE AS SET FORTH BELOW WITH NO.1 CARRYING THE GREATEST WEIGHT OF IMPORTANCE THROUGH NO.6 (C) CARRYING THE LEAST WEIGHT OF IMPORTANCE.
   1. SPECIAL PROVISIONS
   2. SUPPLEMENTAL SPECIFICATIONS, ADDENDUM AND MODIFICATION DOCUMENTS
   3. TECHNICAL SPECIFICATIONS AND PROVISIONS
   4. GDOT ROADWAY DESIGN, STRUCTURES AND TRAFFIC STANDARDS
   5. THE PLAN NOTES
   6. THE PLANS
      A) PLAN TEXT
      B) PLAN ILLUSTRATIONS OR THE DRAWINGS
      C) PLAN SCALE

5. CONTRACTOR IS ADVISED THAT CONSTRUCTION PLANS ARE PROVIDED AS A SINGLE DOCUMENT. SEPARATION OF PLANS FOR PRICING OR OTHER PURPOSES DOES NOT RELIEVE THE CONTRACTOR FROM "ALL" PROVISIONS OF THE PLANS SPECIFICATIONS.

GEOMETRY NOTES

1. ALL SURVEY DATA USED AND CONDITIONS PRESENTED TO BE PRESENT PREPARATION OF THESE PLANS WAS PROVIDED BY THE OWNER.

2. THE CONTRACTOR SHALL VERIFY AND LOCATE ALL VERTICAL AND HORIZONTAL CONTROL POINTS PRIOR TO CONSTRUCTION. IF ANY DISCREPANCIES SHOULD BE FOUND, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND SURVEYOR OF THE CONDITION IN WRITING PRIOR TO COMMENCING HIS CONSTRUCTION ACTIVITIES.

3. ALL PAVEMENT OFFSETS, RADII AND DIMENSIONS SHOWN ARE TO PROPOSED FACE OF CURB, UNLESS OTHERWISE NOTED.

4. THE CONTRACTOR SHALL STAKE ALL IMPROVEMENTS USING THE GEOMETRIC DATA PROVIDED. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO COMPLETELY STAKE AND CHECK ALL IMPROVEMENTS TO ENSURE ADEQUATE POSITIONING, BOTH HORIZONTAL AND VERTICAL, PRIOR TO THE INSTALLATION OF ANY IMPROVEMENTS. ANY PROBLEMS OR QUESTIONS WITH THE GEOMETRY GIVEN THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR CLARIFICATION.

PAVING AND GRADING NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, AND THE LATEST EDITION OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND CITY, UNLESS STATED OTHERWISE IN THE SPECIFICATIONS OR ON THE PLANS.

2. THE CONTRACTOR SHALL STAKE ALL IMPROVEMENTS USING THE GEOMETRIC DATA PROVIDED . IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COMPLETELY STAKE AND CHECK ALL IMPROVEMENTS TO ENSURE ADEQUATE POSITIONING, BOTH HORIZONTAL AND VERTICAL, PRIOR TO THE INSTALLATION OF ANY IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IN WRITING IF ANY APPARENT DISCREPANCIES ARE FOUND.

3. ALL EARTHWORK OPERATIONS SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

4. ALL SODDED AREAS WHICH ARE DISTURBED DURING CONSTRUCTION SHALL BE RESODDED. SLOPES STEEPER THAN 3:1 SHALL BE SODDED. ALL OTHER DISTURBED AREAS ARE TO BE FERTILIZED, SEEDED AND MULCHED UNLESS OTHERWISE NOTED. THESE AREAS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL A SATISFACTORY STAND OF GRASS IS ESTABLISHED.

5. ALL FILL SHALL BE COMPACTED TO 98% OF MAXIMUM DENSITY (AASHTO T-180), UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.

6. THE CONCRETE COMPRESSIVE STRENGTH FOR CURB AND GUTTER SHALL BE 3,000 PSI AT

7. THE CONTRACTOR SHALL REFERENCE AND RESTORE PROPERTY CORNERS AND LAND MARKERS DISTURBED DURING CONSTRUCTION (UNDER THE DIRECTION OF A GEORGIA REGISTERED LAND SURVEYOR).

8. THE CONTRACTOR SHALL ENSURE THAT ALL PERMITS FOR CONSTRUCTION ARE OBTAINED PRIOR TO STARTING WORK.

9. ALL PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTED UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SUCH RESTORATION SHALL BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.

10. ROADWAY MARKINGS AND STRIPING TO BE INSTALLED IN ACCORDANCE WITH GDOT STANDARDS. STRIPING SHALL BE COORDINATED WITH THE INSPECTORS AND THE PROJECT ENGINEER.

11. THE CONTRACTOR SHALL PROVIDE FLAGMAN AND OTHER TRAFFIC MEASURES NECESSARY TO PROTECT AND FACILITATE TRAFFIC MOVEMENT DURING CONSTRUCTION.

DRAINAGE NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO, AND SHALL BE INSTALLED AND CLEARED FOR SERVICE IN ACCORDANCE WITH THE GDOT AND PERMITTING JURISDICTION UNLESS STATED OTHERWISE IN THE SPECIFICATIONS, OR ON THE PLANS,

2. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL VERIFY VERTICAL AND HORIZONTAL LOCATION OF EXISTING UTILITIES AT PROPOSED CROSSINGS AND POINTS OF CONNECTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, IN WRITING, OF ANY UTILITY CONFLICTS OR DISCREPANCIES.

3. ALL EARTHWORK OPERATIONS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS, PLANS AND RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER (AS APPLICABLE).

4. ALL DISTURBED AREAS AND SWALES ARE TO BE SODDED.

5. WHEN TRENCH EXCAVATION EXCEEDS (5) FIVE IN DEPTH:
   A. CONTRACTOR SHALL CONFORM TO OSHA STD. 29CFR. SECTION 1926.650
   B. THE CONTRACTOR SHALL PROVIDE WRITTEN ASSURANCE OF COMPLIANCE WITH THIS LAW.
   C. TRENCH SAFETY SYSTEM SHALL BE DESIGNED BY THE CONTRACTOR.

6. ALL DRAINAGE PIPING SHALL HAVE A MINIMUM OF 3 FEET OF COVER UNLESS OTHERWISE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

7. ALL DRAINAGE PIPES ARE REINFORCED CONCRETE PIPE, CLASS III, UNLESS OTHERWISE NOTED.

8. DRAINAGE STRUCTURE TOP ELEVATION REFERS TO TOP OF FINISHED STRUCTURE.

9. THE CONTRACTOR SHALL ENSURE THAT PERMITS FOR CONSTRUCTION ARE OBTAINED PRIOR TO STARTING WORK.

10. ALL DISTURBED AREAS SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING WITH SOD AND/OR SEED AND MULCH.

SOIL EROSION & SEDIMENTATION CONTROL NOTES

1. ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO STANDARDS OF FAYETTE COUNTY, G.D.O.T., CITY OF TYRONE, AND THE STATE OF GEORGIA E.P.D.

2. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN, CONSTRUCTION. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE.

3. SUCH MATERIALS, FROM WORK ON THIS PROJECT SHALL BE CONTAINED, AND NOT ALLOWED TO COLLECT ON ANY OFF-PERIMETER AREAS OR IN WATERWAYS. THESE INCLUDE BOTH NATURAL AND MAN-MADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES AND PONDS.

4. DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE EFFECTIVENESS OF THESE EFFORTS. ANY NECESSARY REMEDIES SHALL BE PERFORMED WITHOUT DELAY.

5. ALL MUD, DIRT OR OTHER MATERIALS TRACKED OR SPILLED ONTO EXISTING STATE-COUNTY-CITY OR PRIVATE ROADS AND FACILITIES FROM THIS SITE, DUE TO CONSTRUCTION SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.

6. PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES OR ANY DISTURBED LAND AREAS SHALL BE COMPLETED WITHIN (15) FIFTEEN CALENDAR DAYS AFTER FINAL GRADING. WHEN IT IS NOT POSSIBLE TO PERMANENTLY PROTECT A DISTURBED AREA IMMEDIATELY AFTER GRADING OPERATIONS, TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED. ALL TEMPORARY PROTECTION SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED. A CERTIFICATE OF COMPLIANCE WILL NOT BE ISSUED UNTIL THE ABOVE REQUIREMENTS HAVE BEEN MET.

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ph; 770.302.1701
fax: 770.818.5663

DESIGN OFFICE:

Construction Documents
PREPARED FOR:

JOHN PETTIT
25 PEACHTREE LAKE DRIVE
SHARPBURG, GA 30277

CLIENT

#	DATE & BY
1	REV. PER COMMENTS 12.30.2017

BETHEL ATLANTA CHURCH
Master Plan

362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

PROJECT

GEORGIA REGISTERED No. PE14858 PROFESSIONAL ENGINEER CLEVE E DRYDEN

SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

NOTES
C 1.1

SHEET

CLOSURE STATEMENT

The field data upon which this plat is based has a closure of 1 foot in 18,931 feet, an angular error of 03 seconds per angle point and was adjusted using the Least Squares Method. This plat has been calculated for closure and found to be accurate to 1 foot in 554,144 feet.
An electronic total station and a 100' chain were used to gather the information used in the preparation of this plat.
No State Plane Coordinate Monument found within 500' of this property.

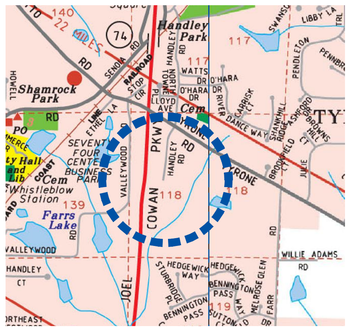
LEGEND

These standard symbols will be found in the drawing.

- TRAVERSE POINT
- 1/2" REBAR SET
- IRON PIN FOUND
- CATCH BASIN
- DRAIN
- FIRE HYDRANT
- GUY WIRE
- LIGHT POLE
- MANHOLE
- WELL
- GAS TANK
- TELEPHONE PEDISTOL
- POWER POLE
- SEWER
- ELECTRIC
- FENCE
- UNDERGROUND PIPELINE

MAGNETIC NORTH

VICINITY MAP



AREA

2450931.159 SQ. FT.
56.266 ACRES

LEGAL DESCRIPTION

All that tract or parcel of land Lying in Land Lot 118 of the 7th District of Fayette County, Georgia, being more particularly described as follows:

to find the True Point of Beginning commence at the common Land Lot corners of Land Lots 138, 139, 119 and 118; thence leaving said common Land Lot corners in a easterly direction along the common Land Lot Lines of the northern line of Land Lot 119 and southern line of Land Lot 118, a distance of 394.88' to a Concrete Right of Way Monument found at the intersection of the Eastern Right of Way of State Route 74 (variable Right of Way); which is the TRUE POINT OF BEGINNING; thence leaving said common Land Lot Lines along the eastern Right of Way line of State Route 74 N 05°25'59" E a distance of 958.59' to a Concrete Right of Way Monument; thence along said Right of Way N 14°15'07" E a distance of 219.40' to a 1/2" Rebar Set; thence along said Right of Way N 08°46'54" E a distance of 328.63' to a Concrete Right of Way Monument found at the southern Right of Way of Handley Road (having a 30' Right of Way); thence leaving said eastern Right of Way of State route 74, and moving S 84°44'45" E a distance of 108.90' along the southern Right of Way of Handley Road to a 1/4" Rebar Found; thence continuing along said Right of Way S 85°57'36" E a distance of 99.69' to a 1/2" Rebar Found; thence continuing along said Right of Way with a curve turning to the left with an arc length of 101.25', with a radius of 96.86', with a chord bearing of N 41°55'59" E, with a chord length of 96.73', to a point; thence continuing along said Right of Way N 11°58'50" E a distance of 798.22' to a point; thence continuing along said Right of Way with a curve turning to the right with an arc length of 170.30', with a radius of 380.55', with a chord bearing of N 22°33'46" E, with a chord length of 168.86', to a point; thence continuing along said Right of Way N 35°53'39" E a distance of 106.48' to a 5/8" Rebar Found at the southern Right of Way of Tyrone Road (having an apparent 60' Right of Way); thence leaving said Right of Way line of Handley Road and continuing along said southern Right of Way line of Tyrone Road S 82°38'37" E a distance of 610.59' to a 1" Open Top Pipe Found; thence leaving said southern Right of Way of Tyrone Road S 07°57'57" W a distance of 309.05' to a Angle Iron; thence S 82°08'02" E a distance of 204.57' to a 1/2" Rebar Found; thence S 08°00'01" W a distance of 199.55' to a 1/2" Rebar Found; thence S 07°13'58" W a distance of 1693.94' to a Blade found at the common Land Lot Lines of the northern Land Lot Line of 119 and the southern Land Lot Line of 118; thence continuing along said common Land Lot Lines N 84°07'33" W a distance of 1136.49' to a Concrete Right of Way Monument found at the eastern Right of way line of State Route 74 (Right of Way varies); which is the TRUE POINT OF BEGINNING, having an area of 2450931.159 square feet, 56.266 acres

CURVE TABLE

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
C1	96.86'	101.25'	96.73'	N 41°55'59" E	59°54'35"
C2	380.55'	170.30'	168.86'	N 35°29'46" E	25°38'31"

0' 100' 200' 300'

JOB # 187816 | DRAWING # F-2210

GEORGIA REGISTERED No. 1751 PROFESSIONAL LAND SURVEYOR JOSH L. LEWIS III

PLAT PREPARED FOR : TYRONE ROAD
DAVID H. GAMBRELL

DATE 10/18/07
SCALE 1" = 100'

LAND LOT 118 7TH DISTRICT SECTION FAYETTE COUNTY, GEORGIA
LOT BLOCK UNIT
SUBDIVISION

REVISION	BY:	DATE:

SURVEYED: DRAFTED:
PLOTTED: DISC #:
PARTY CHIEF: D.R.
SHEET 1 OF 1

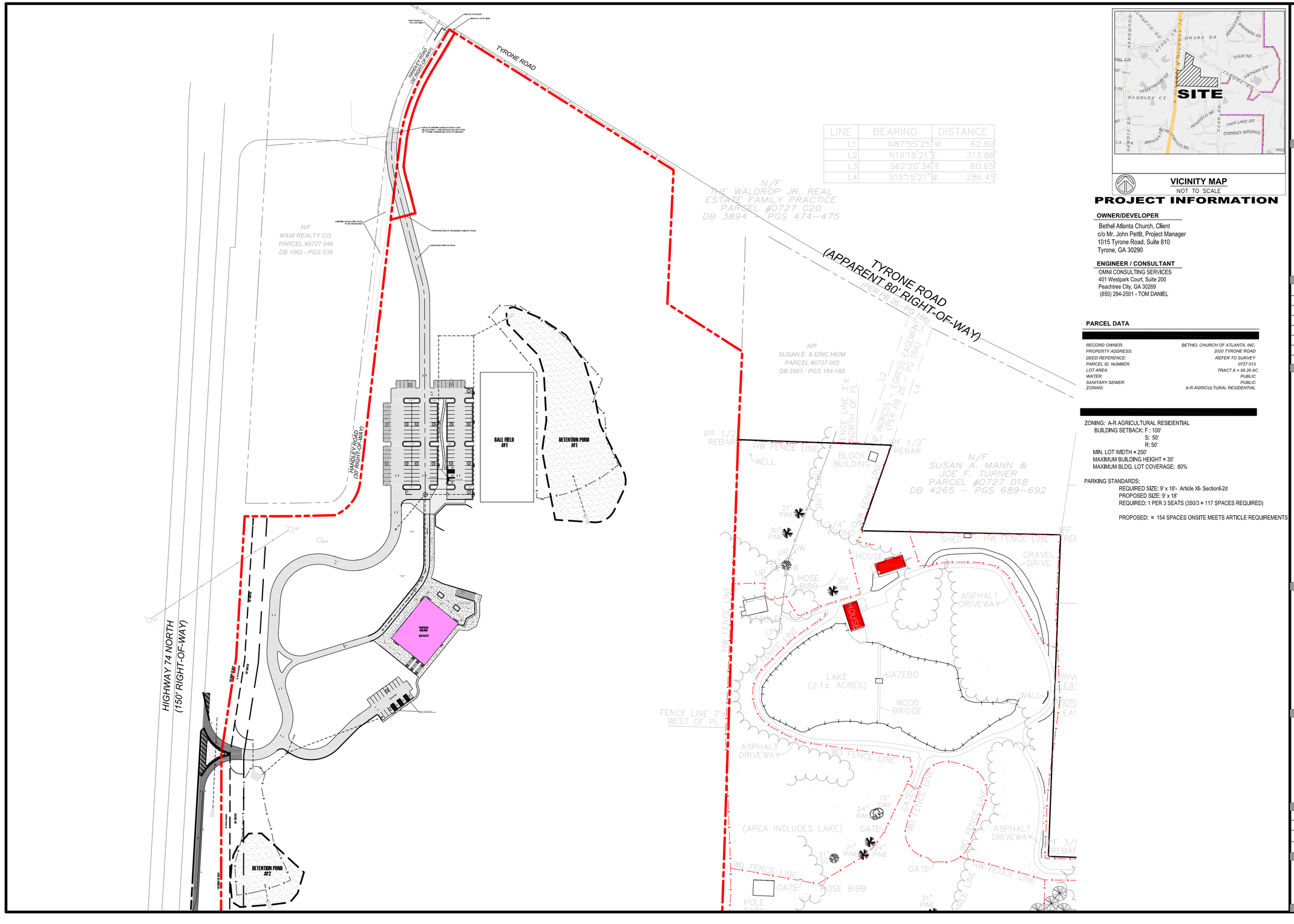
PLAT BOOK ____ PAGE ____
DEED BOOK ____ PAGE ____

GA. LAND SURVEYING CO., INC.
155 CLIFTWOOD DRIVE
ATLANTA GEORGIA 30328
TELEPHONE (404) 255-4671, FAX (404) 255-6607

FLOOD STATEMENT

I HAVE THIS DATE, EXAMINED THE "FIRM OFFICIAL FLOOD HAZARD MAP" AND FOUND IN MY OPINION REFERENCED PARCEL (IS) [redacted] IN AN AREA HAVING SPECIAL FLOOD HAZARDS, WITHOUT AN ELEVATION CERTIFICATION SURVEYOR IS NOT RESPONSIBLE FOR ANY DAMAGE DUE ITS OPINION FOR SAID PARCEL.

MAP ID 130493 0005 A EFFECTIVE DATE : MARCH 1, 1984



LINE	BEARING	DISTANCE
L1	N87°55'25"W	62.80'
L2	N19°15'21"E	313.86'
L3	S62°20'34"E	60.65'
L4	S19°15'21"W	286.45'

VICINITY MAP
NOT TO SCALE

PROJECT INFORMATION

OWNER/DEVELOPER

Bethel Atlanta Church, Client
c/o Mr. John Pettit, Project Manager
1015 Tyrone Road, Suite 810
Tyrone, GA 30290

ENGINEER / CONSULTANT

OMNI CONSULTING SERVICES
401 Westpark Court, Suite 200
Peachtree City, GA 30269
(850) 294-2501 - TOM DANIEL

PARCEL DATA

RECORD OWNER:	BETHEL CHURCH OF ATLANTA, INC.
PROPERTY ADDRESS:	2020 TYRONE ROAD
DEED REFERENCE:	REFER TO SURVEY
PARCEL ID. NUMBER:	0727 013
LOT AREA:	TRACT A = 56.26 AC
WATER:	PUBLIC
SANITARY SEWER:	PUBLIC
ZONING:	A-R AGRICULTURAL RESIDENTIAL

ZONING: A-R AGRICULTURAL RESIDENTIAL
BUILDING SETBACK: F : 100'
S: 50'
R: 50'
MIN. LOT WIDTH = 250'
MAXIMUM BUILDING HEIGHT = 35'
MAXIMUM BLDG. LOT COVERAGE: 80%

PARKING STANDARDS:
REQUIRED SIZE: 9' x 18'- Article XI- Section-I-2d
PROPOSED SIZE: 9' x 18'
REQUIRED: 1 PER 3 SEATS (350/3 = 117 SPACES REQUIRED)

PROPOSED: = 154 SPACES ONSITE MEETS ARTICLE REQUIREMENTS

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DESIGN OFFICE:

Construction Documents
PREPARED FOR:

JOHN PETTIT
25 PEACHTREE LAKE DRIVE
SHARPBURG, GA 30277

CLIENT

#	DATE & BY
1	REV. PER COMMENTS 12.30.2017

BETHEL ATLANTA CHURCH
Master Plan

2020 TYRONE ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

PROJECT

NORTH

GRAPHIC SCALE
0 80 160
1 INCH = 80 FT.

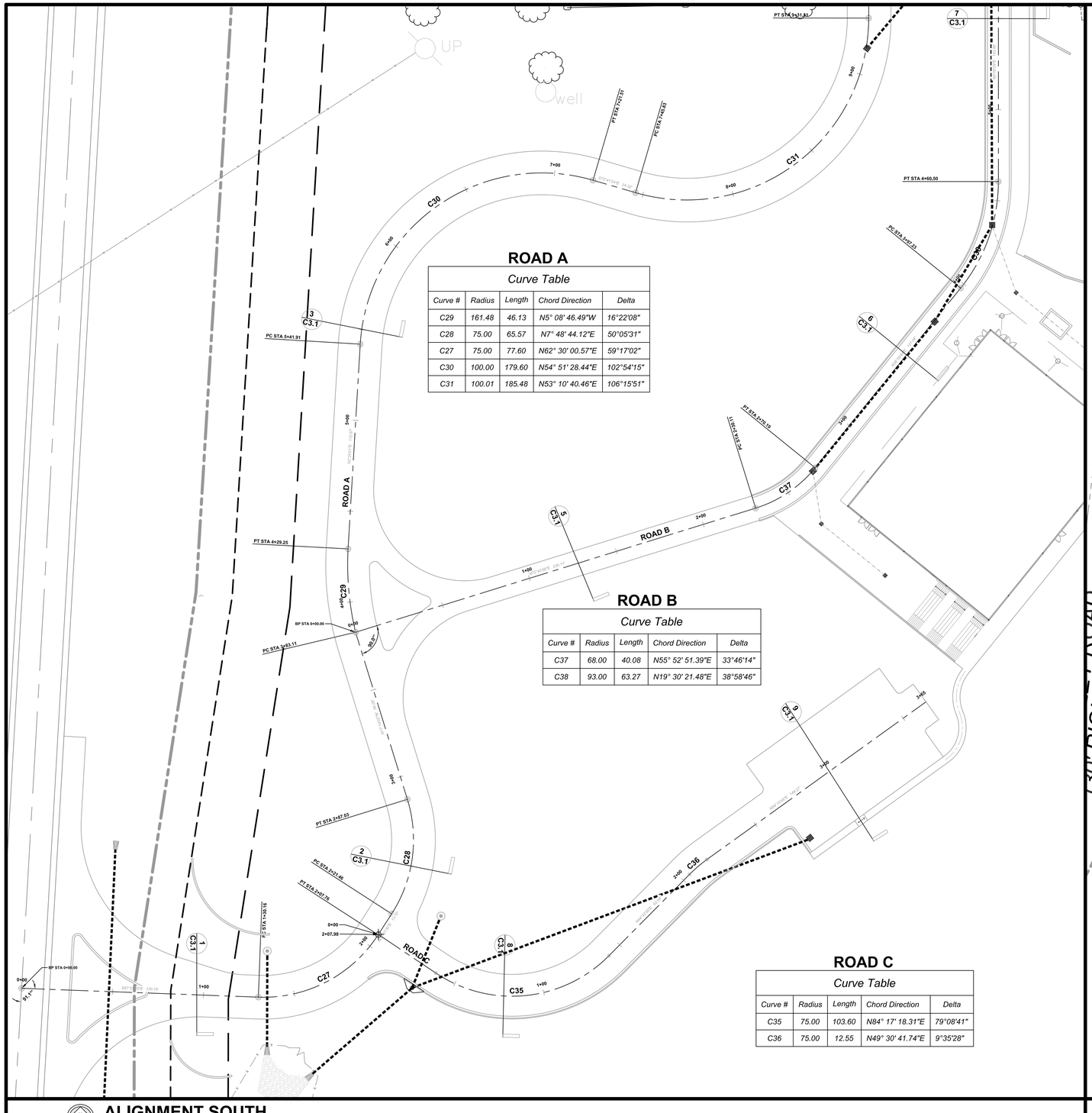
GEORGIA REGISTERED No. PE14659 PROFESSIONAL ENGINEER CLEVE E DRYDEN

SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

OVERALL SITE PLAN
C 3.0

SHEET



ROAD A

Curve Table

Curve #	Radius	Length	Chord Direction	Delta
C29	161.48	46.13	N5° 08' 46.49"W	16°22'08"
C28	75.00	65.57	N7° 48' 44.12"E	50°05'31"
C27	75.00	77.60	N62° 30' 00.57"E	59°17'02"
C30	100.00	179.60	N54° 51' 28.44"E	102°54'15"
C31	100.01	185.48	N53° 10' 40.46"E	106°15'51"

ROAD B

Curve Table

Curve #	Radius	Length	Chord Direction	Delta
C37	68.00	40.08	N55° 52' 51.39"E	33°46'14"
C38	93.00	63.27	N19° 30' 21.48"E	38°58'46"

ROAD C

Curve Table

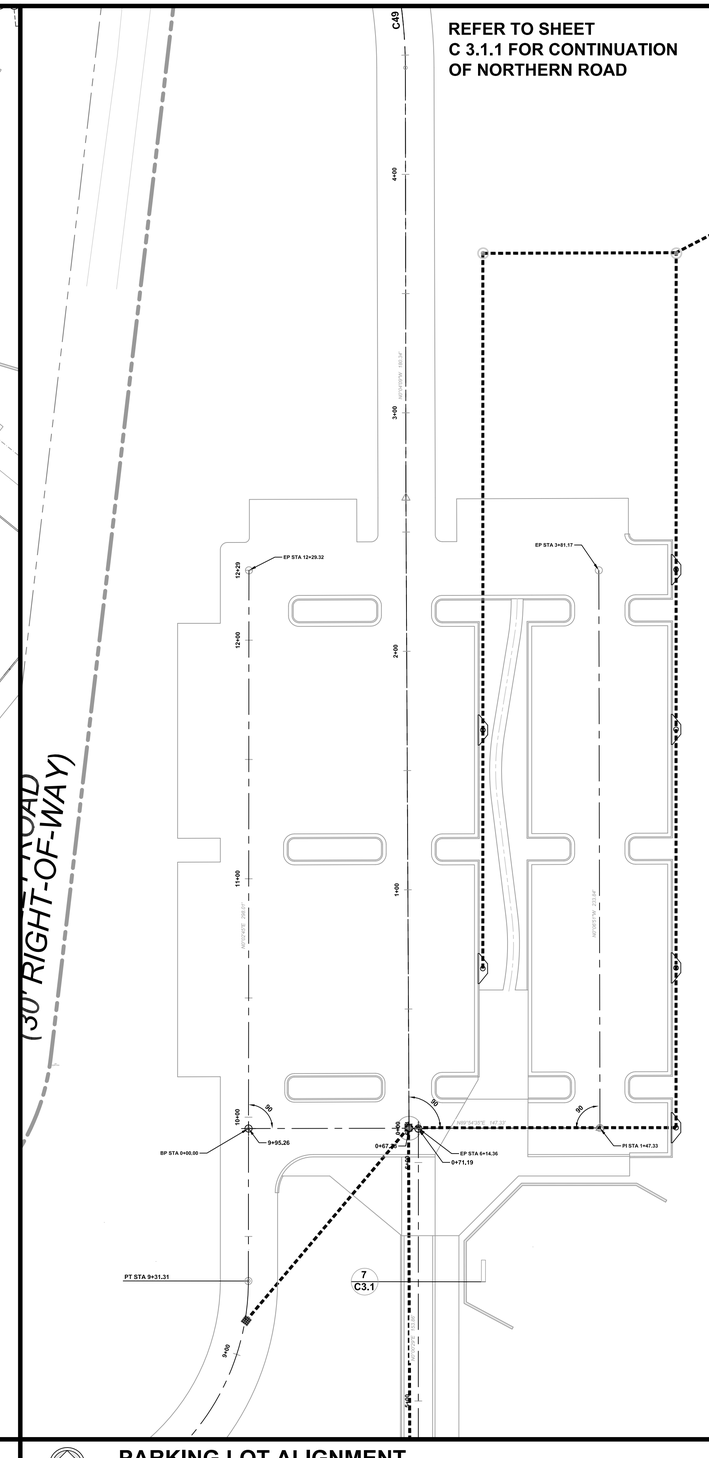
Curve #	Radius	Length	Chord Direction	Delta
C35	75.00	103.60	N84° 17' 18.31"E	79°08'41"
C36	75.00	12.55	N49° 30' 41.74"E	9°35'28"

NORTH

ALIGNMENT SOUTH

SCALE: 1" = 30'-0"

REFER TO SHEET C 3.1.1 FOR CONTINUATION OF NORTHERN ROAD



NORTH

PARKING LOT ALIGNMENT

SCALE: 1" = 30'-0"

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fax: 770.818.5663

DESIGN OFFICE:

Construction Documents
PREPARED FOR:

JOHN PETTIT
25 PEACHTREE LAKE DRIVE
SHARPBURG, GA 30277

CLIENT

#	DATE & BY
1	REV. PER COMMENTS 12.30.2017

BETHEL ATLANTA CHURCH
Master Plan

362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

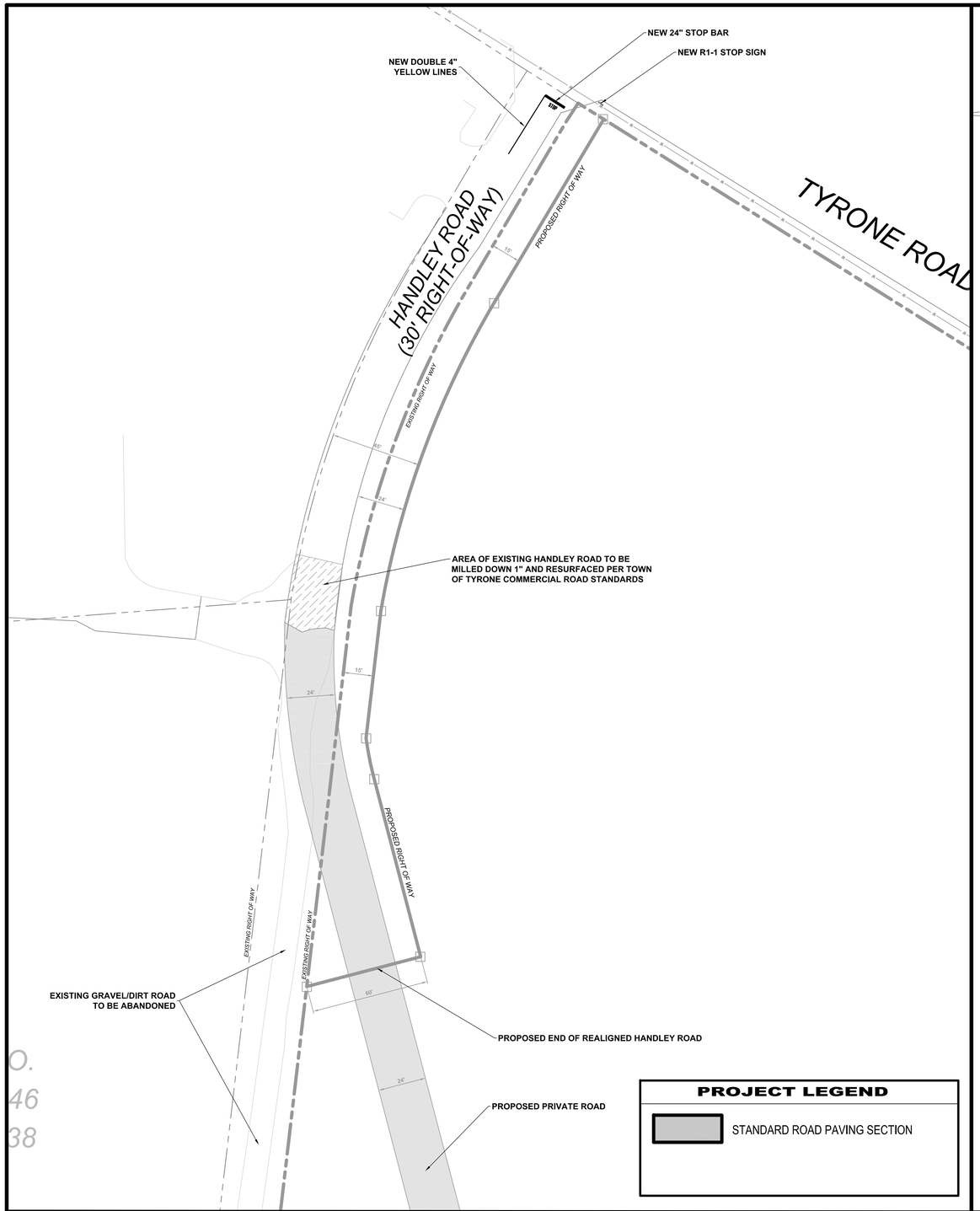
PROJECT

GEORGIA REGISTERED No. PE14638 PROFESSIONAL ENGINEER CLEVE E DRYDEN

SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

ROAD & PARKING ALIGNMENT
C 3.1
SHEET



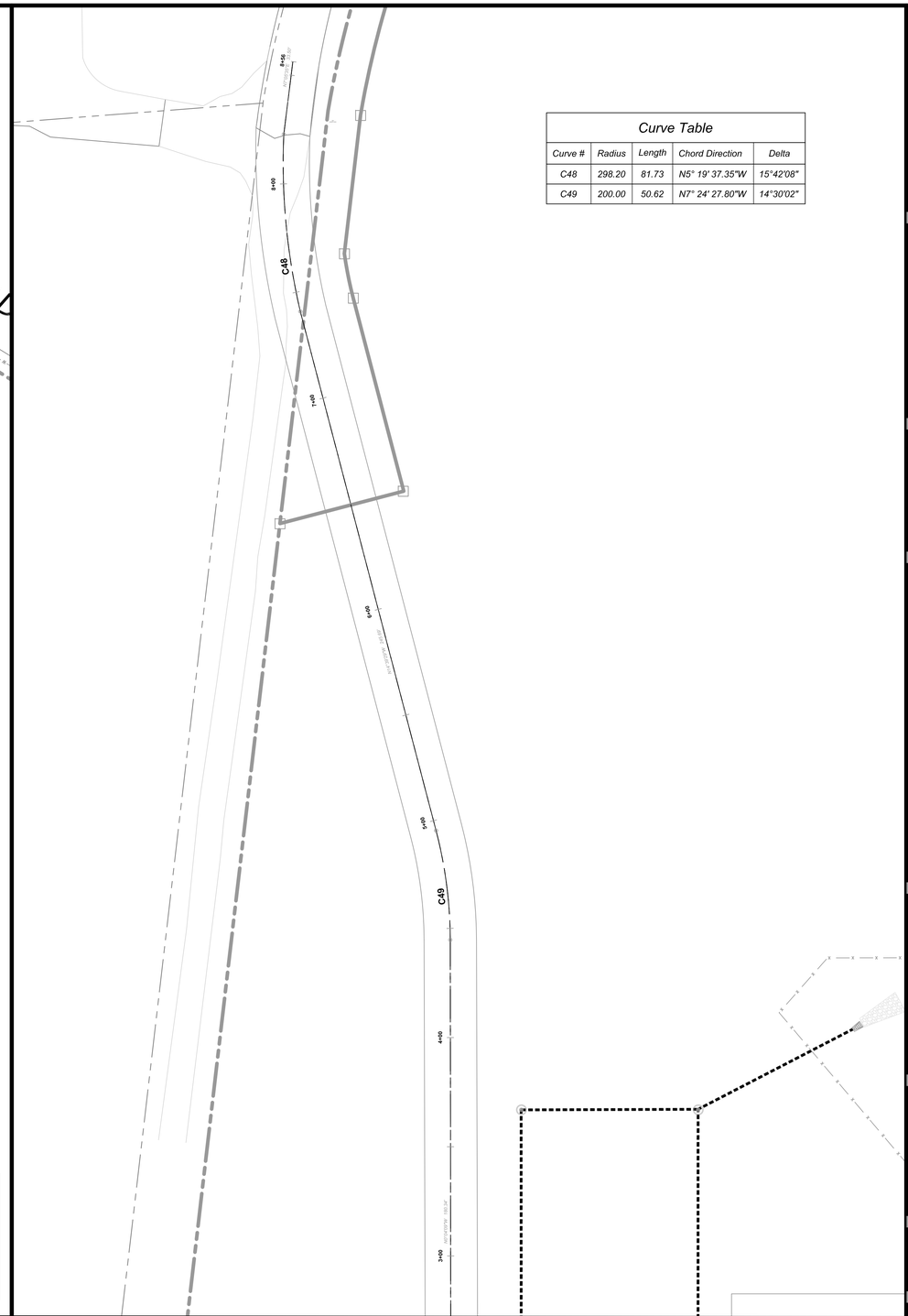
PROJECT LEGEND

STANDARD ROAD PAVING SECTION

NORTH

NORTHERN ENTRANCE SITE PLAN

SCALE: 1" = 30'-0"



Curve Table				
Curve #	Radius	Length	Chord Direction	Delta
C48	298.20	81.73	N5° 19' 37.35"W	15°42'08"
C49	200.00	50.62	N7° 24' 27.80"W	14°30'02"

NORTH

ALIGNMENT NORTH

SCALE: 1" = 30'-0"

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DESIGN OFFICE:

Construction Documents
PREPARED FOR:

JOHN PETTIT
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SHARPBURG, GA 30277

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#	DATE & BY
1	REV. PER COMMENTS 12.30.2017

BETHEL ATLANTA CHURCH
Master Plan

362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

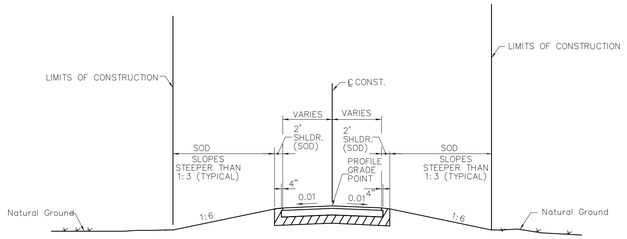
PROJECT

GEORGIA REGISTERED No. PE14656 PROFESSIONAL ENGINEER STEVE E DRYDEN

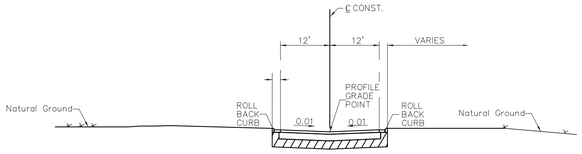
SEAL

DATE: 10.15.2017
PROJECT NO. 16.12000.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

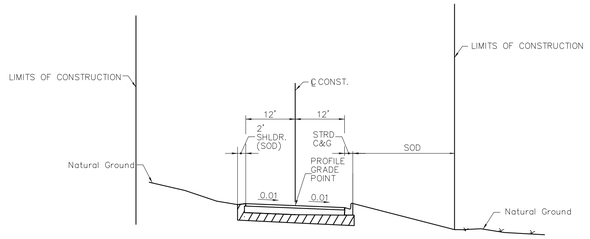
NORTHERN ENTRANCE PLAN & ALIGNMENT
C 3.1.1
SHEET



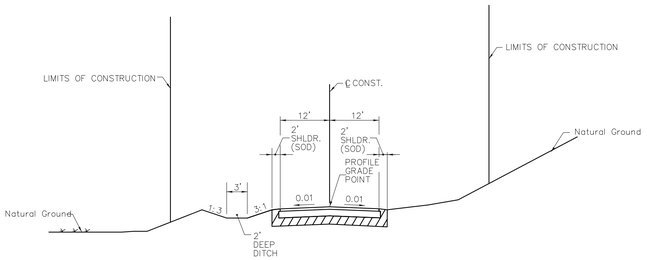
1 C3.1 STA. 1+00.00



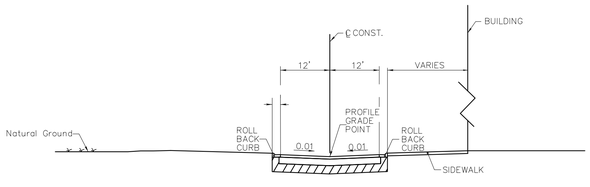
5 C3.1 STA. 1+25.00



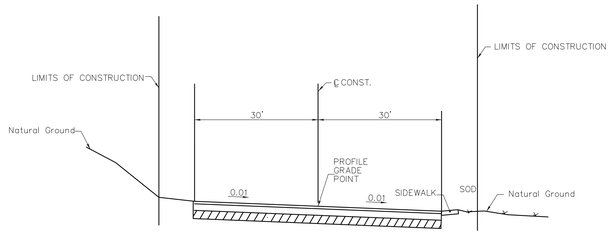
8 C3.1 STA. 0+70.00



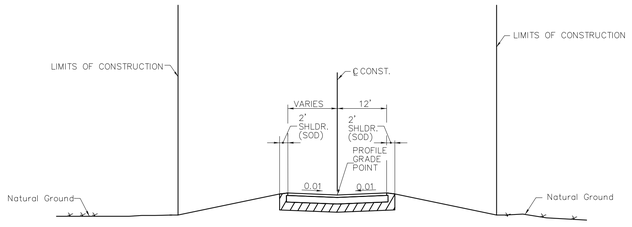
2 C3.1 STA. 2+50.00



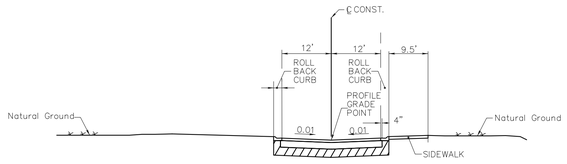
6 C3.1 STA. 3+50.00



9 C3.1 STA. 3+00.00



3 C3.1 STA. 8+50.00



7 C3.1 STA. 5+50.00

ROAD "A' TYPICAL SECTIONS

N.T.S.

ROAD "B" TYPICAL SECTIONS

N.T.S.

ROAD "C" TYPICAL SECTIONS

N.T.S.

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BETHEL ATLANTA CHURCH
Master Plan

362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

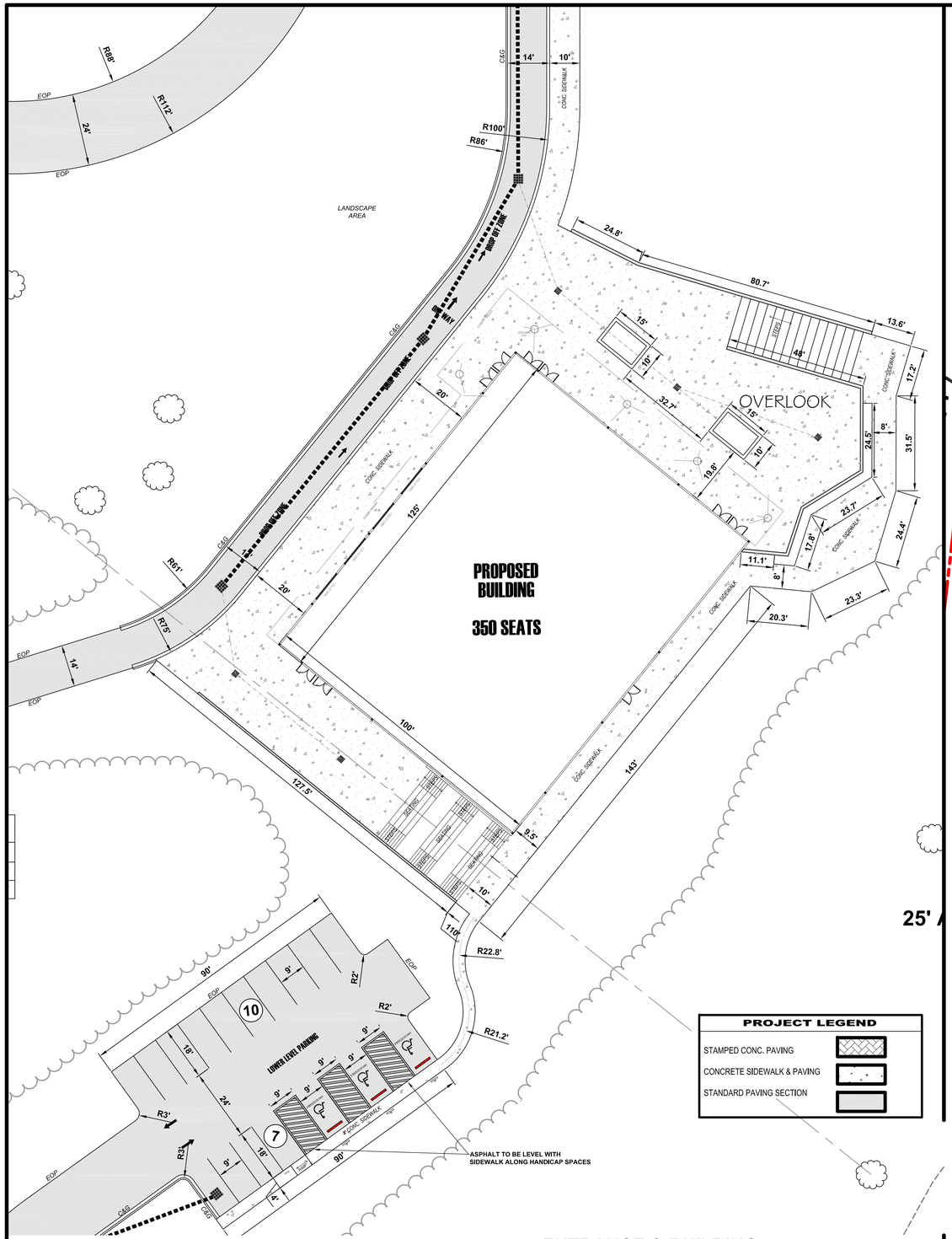
PROJECT

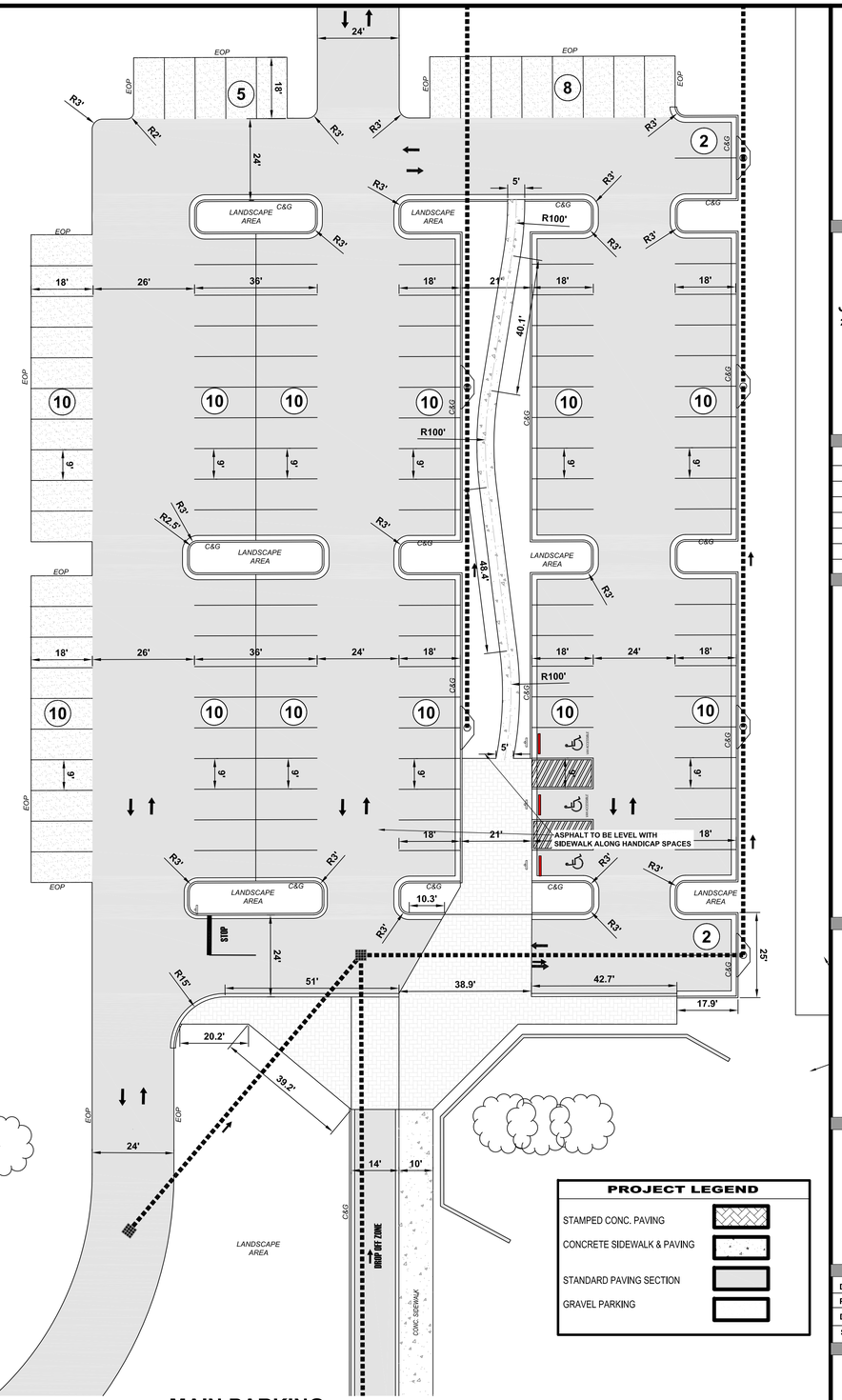
GEORGIA REGISTERED No. PE14059 PROFESSIONAL ENGINEER CLEVE E DRYDEN

SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

TYPICAL SECTIONS
C 3.1.2
SHEET





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DESIGN OFFICE:

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PREPARED FOR:

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BETHEL ATLANTA CHURCH
Master Plan

362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

PROJECT

NORTH

GEORGIA REGISTERED No. PE14656 PROFESSIONAL ENGINEER STEVE E DRYDEN

SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

SITE PLAN ENLARGEMENT
C 3.2

SHEET

PROJECT LEGEND

- GDOT CONC. PAVING
- GDOT STANDARD PAVING SECTION
- STANDARD PAVING SECTION

POSTED SPEED LIMIT 55 MPH

HIGHWAY 74 NORTH (150' RIGHT-OF-WAY)

100'
275'
±500' OF SIGHT DISTANCE
150'
5" WHITE EDGE LINE
TYPE 2 TURN ARROW (TYP.) SPACED EVERY 100'
R8-3A "NO PARKING" SIGN
R3-7
R8-3A "NO PARKING" SIGN
GDOT 1122 FES
10" WHITE EDGE LINES
R1-2 "YEILD" SIGN
12" WHITE LINES
10" WHITE EDGE LINES
EXI RIGHT OF WAY
20' WATER EASEMENT
50' BUFFER
6" CONCRETE CURB ISLAND PER GDOT STDS
GDOT 1122 FES
24'
GDOT 1122 FES
EXI RIGHT OF WAY
20' WATER EASEMENT
50' BUFFER
50' BUFFER
DETENTION POND #1

GDOT ENTRANCE PLAN

SCALE: 1" = 30'

NORTH

STORM LINE A

1A **NEW GDOT FES**
Inv. = 938.00

2A **NEW GDOT FES**
Inv. = 940.00

HIGHWAY 7
(150' RIGHT

936
938
940
942
944
946
948
950
952
200 LF OF 24" RCP
48 LF OF 18" RCP
EXI RIGHT OF WAY
20' WATER EASEMENT
50' BUFFER
DETE
EXI RIGHT OF WAY
20' WATER EASEMENT
50' BUFFER

GDOT GRADING PLAN

SCALE: 1" = 30'

NORTH

Omni
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Atlanta Tallahassee
Jacksonville Washington D.C.
401 Westpark Court, Suite 200
Peachtree City, GA 30269
ph: 770.302.1701
fax: 770.818.5663

DESIGN OFFICE:

Construction Documents
PREPARED FOR:

JOHN PETTIT
25 PEACHTREE LAKE DRIVE
SHARPBURG, GA 30277

CLIENT

#	DATE & BY
1	REV. PER COMMENTS 12.30.2017

BETHEL ATLANTA CHURCH
Master Plan

362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

PROJECT

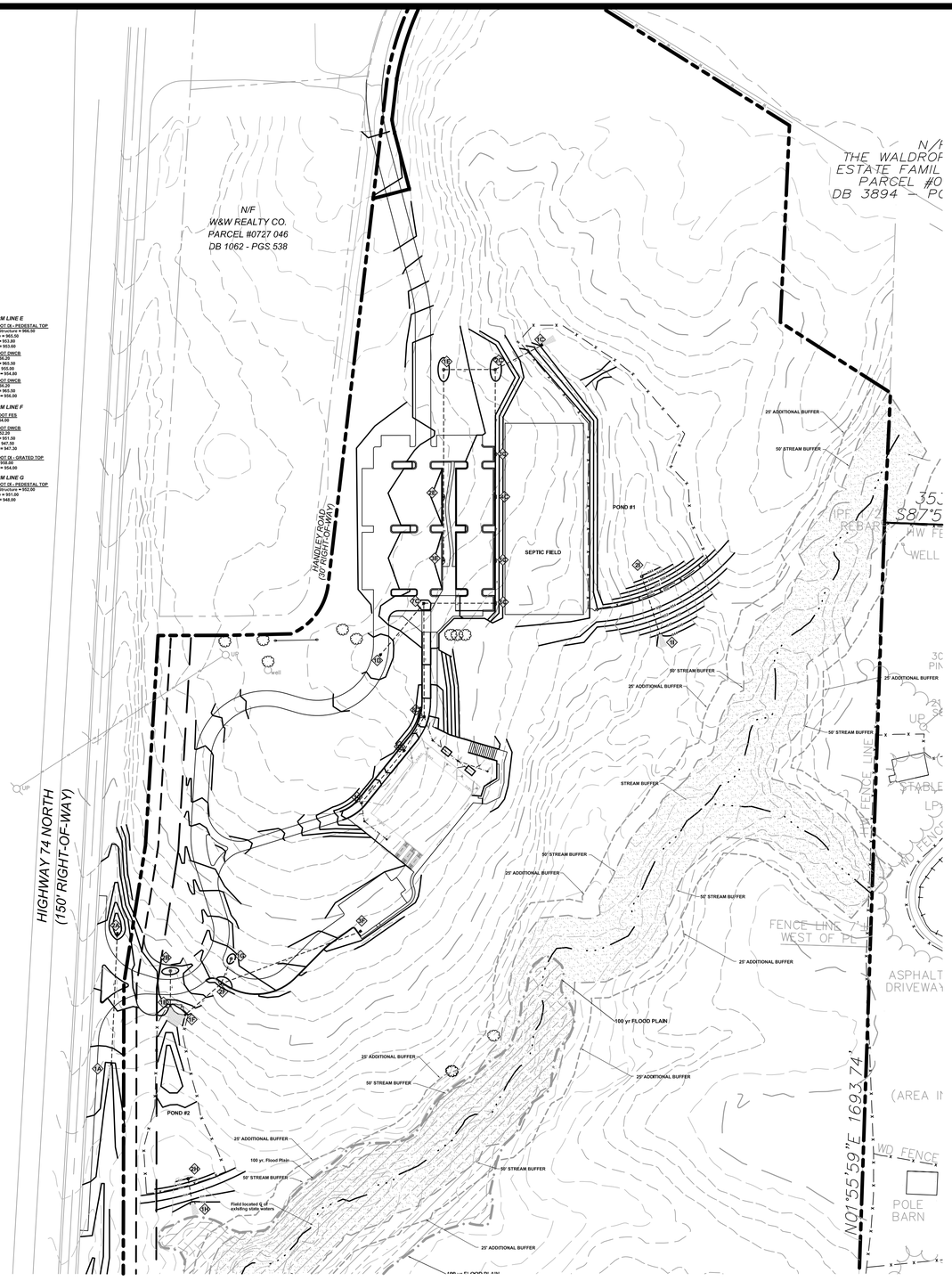
GEORGIA REGISTERED No. PE14656 PROFESSIONAL ENGINEER STEVE E DRYDEN

SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

SITE PLAN ENLARGEMENT
C 3.3

SHEET



STORM LINE A

12 NEW GDOT FES
Inv. = 939.00

24 NEW GDOT FES
Inv. = 940.00

STORM LINE B

18 NEW GDOT FES
Inv. = 944.00

20 New GDOT DI - PEDESTAL TOP
Top of Structure = 948.00
Flow Inv = 947.00
Inv. out = 946.48

STORM LINE C

13 NEW GDOT FES
Inv. = 952.00

14 New GDOT DI - PEDESTAL TOP
Top of Structure = 964.50
Flow Inv = 963.50
Inv. In & out = 952.80

15 New GDOT DWCB
Top = 964.20
Throat = 964.00
Inv. In = 954.45
Inv. out = 954.35

16 New GDOT DWCB
Top = 964.50
Throat = 964.60
Inv. In = 955.35
Inv. out = 955.18

17 New GDOT DWCB
Top = 964.50
Throat = 964.60
Inv. In = 956.50
Inv. out = 956.38

22 New GDOT DWCB
Top = 964.50
Throat = 964.00
Inv. In = 957.45
Inv. out = 957.28

23 New GDOT DI - GRATED TOP
Grate = 965.70
Inv. In = 961.50
Inv. out = 961.08

21 New GDOT DI - GRATED TOP
Grate = 971.50
Inv. In = 966.70
Inv. out = 966.50

25 New GDOT DI - GRATED TOP
Grate = 971.50
Inv. In = 967.50
Inv. out = 967.38

19 New GDOT DI - GRATED TOP
Grate = 971.50
Inv. out = 968.50

STORM LINE D

11 New GDOT DI - GRATED TOP
Grate = 967.00
Inv. out = 963.00

STORM LINE E

10 New GDOT DI - PEDESTAL TOP
Top of Structure = 956.50
Flow Inv = 955.50
Inv. In = 953.80
Inv out = 953.65

9 New GDOT DWCB
Top = 956.20
Throat = 956.00
Inv. In = 955.00
Inv. out = 954.80

8 New GDOT DWCB
Top = 956.20
Throat = 955.50
Inv. out = 956.00

STORM LINE F

7 NEW GDOT FES
Inv. = 944.00

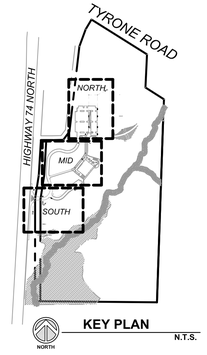
6 New GDOT DWCB
Top = 952.20
Throat = 952.00
Inv. In = 947.00
Inv. out = 947.30

5 New GDOT DI - GRATED TOP
Grate = 958.00
Inv. out = 954.08

STORM LINE G

4 New GDOT DI - PEDESTAL TOP
Top of Structure = 952.00
Flow Inv = 951.00
Inv out = 948.00

***** ALL ONSITE WETLANDS ARE CONTAINED WITHIN EITHER THE STREAM BUFFER OR WITHIN THE 100 YEAR FLOOD PLAIN PER THE NATIONAL WETLANDS INVENTORY MAP. BOTH RIVERINE & FRESHWATER FORESTED EXIST ONSITE. NONE OF THESE AREAS ARE BEING DISTURBED AS PART OF THIS DEVELOPMENT.**



KEY PLAN
N.T.S.

NORTH

OVERALL GRADING PLAN

SCALE: 1" = 80'

Omni
Consulting Services
Atlanta Tallahassee
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401 Westpark Court, Suite 200
Peachtree City, GA 30269
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DESIGN OFFICE:

Construction Documents
PREPARED FOR:

JOHN PETTIT
25 PEACHTREE LAKE DRIVE
SHARPBURG, GA 30277

CLIENT

#	DATE & BY
1	REV. PER COMMENTS 12.30.2017

BETHEL ATLANTA CHURCH
Master Plan

362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

PROJECT

GEORGIA
REGISTERED
No. PE14656
PROFESSIONAL
ENGINEER
STEVE E DRYDEN

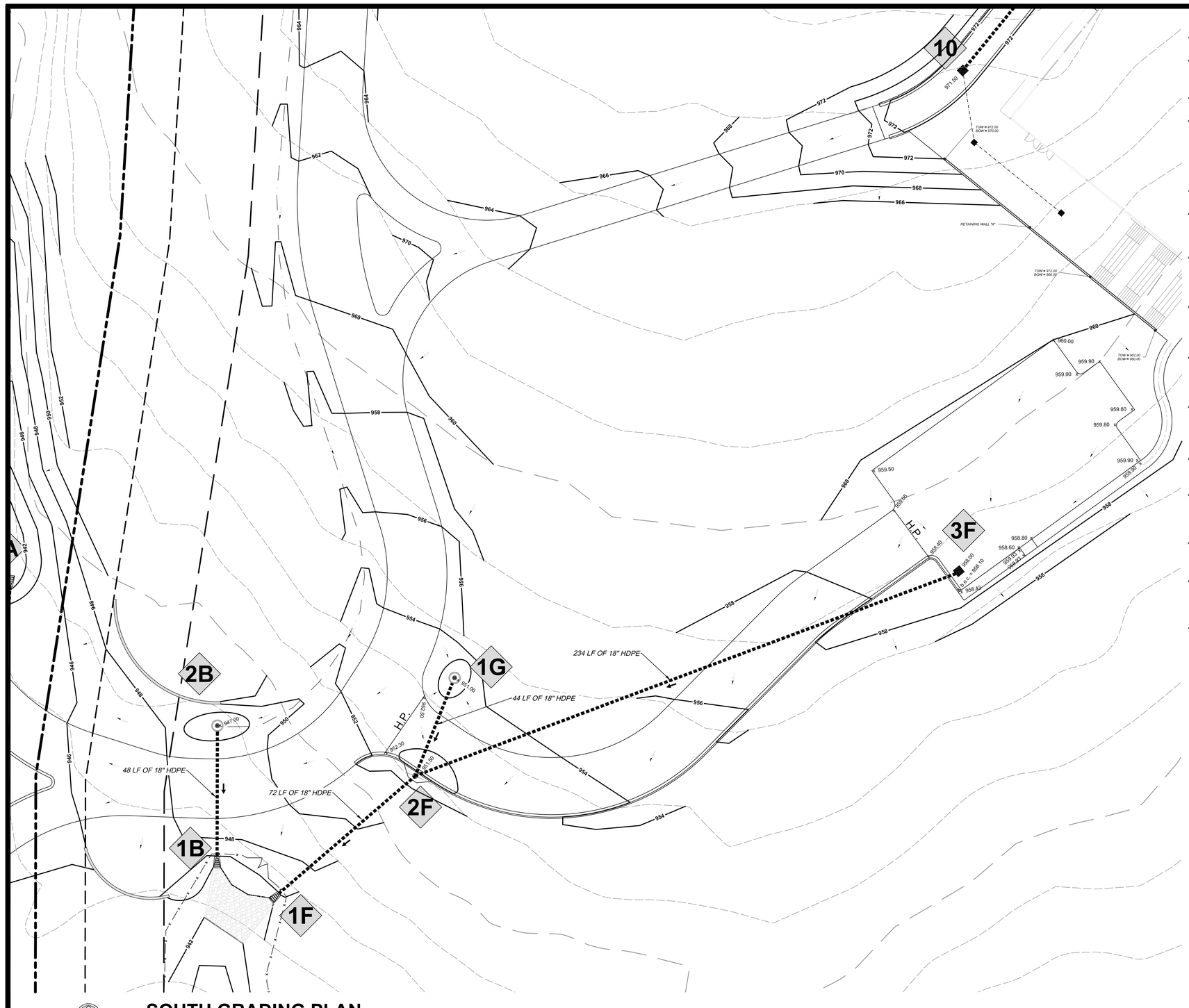
SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

OVERALL GRADING PLAN

C 4.0

SHEET



SOUTH GRADING PLAN

SCALE: 1" = 20'

NORTH

STORM LINE A

1A NEW GDOT FES
Inv. = 938.00

2A NEW GDOT FES
Inv. = 940.00

STORM LINE B

1B NEW GDOT FES
Inv. = 944.00

2B New GDOT DI - PEDESTAL TOP
Top of Structure = 948.00
Flow Inv = 947.00
Inv. out = 944.48

STORM LINE C

1C NEW GDOT FES
Inv. = 952.00

2C New GDOT DI - PEDESTAL TOP
Top of Structure = 964.50
Flow Inv = 963.50
Inv. in & out = 952.80

3C New GDOT DWCB
Top = 964.50
Throat = 964.00
Inv. in = 954.40
Inv. out = 954.20

4C New GDOT DWCB
Top = 964.50
Throat = 964.00
Inv. in = 955.30
Inv. out = 955.10

5C New GDOT DWCB
Top = 964.50
Throat = 964.00
Inv. in = 956.50
Inv. out = 956.30

6C New GDOT DWCB
Top = 964.50
Throat = 964.00
Inv. in = 957.40
Inv. out = 957.20

7C New GDOT DI - GRATED TOP
Grate = 965.50
Inv. in = 961.70
Inv. out = 961.50

8C New GDOT DI - GRATED TOP
Grate = 971.50
Inv. in = 966.70
Inv. out = 966.50

9C New GDOT DI - GRATED TOP
Grate = 971.50
Inv. in = 967.50
Inv. out = 967.30

10C New GDOT DI - GRATED TOP
Grate = 971.50
Inv. out = 968.50

STORM LINE D

1D New GDOT DI - GRATED TOP
Grate = 967.00
Inv. out = 963.00

STORM LINE E

1E New GDOT DI - PEDESTAL TOP
Top of Structure = 966.50
Flow Inv = 965.50
Inv. in = 953.80
Inv out = 953.60

2E New GDOT DWCB
Top = 966.20
Throat = 965.50
Inv. in = 955.00
Inv. out = 954.80

3E New GDOT DWCB
Top = 966.20
Throat = 965.50
Inv. out = 956.00

STORM LINE F

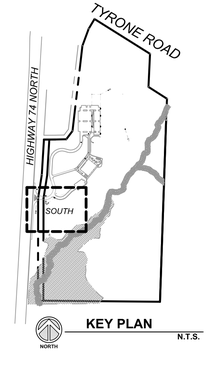
1F NEW GDOT FES
Inv. = 944.00

2F New GDOT DWCB
Top = 952.20
Throat = 951.50
Inv. in = 947.50
Inv. out = 947.30

3F New GDOT DI - GRATED TOP
Grate = 958.00
Inv. out = 954.00

STORM LINE G

1G New GDOT DI - PEDESTAL TOP
Top of Structure = 952.00
Flow Inv = 951.00
Inv out = 948.00



KEY PLAN
N.T.S.

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DESIGN OFFICE:

Construction Documents
PREPARED FOR:

JOHN PETTIT
25 PEACHTREE LAKE DRIVE
SHARPBURG, GA 30277

CLIENT

#	DATE & BY
1	REV. PER COMMENTS 12.30.2017

BETHEL ATLANTA CHURCH
Master Plan

362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

PROJECT

GEORGIA REGISTERED No. PE14856 PROFESSIONAL ENGINEER STEVE E DRYDEN

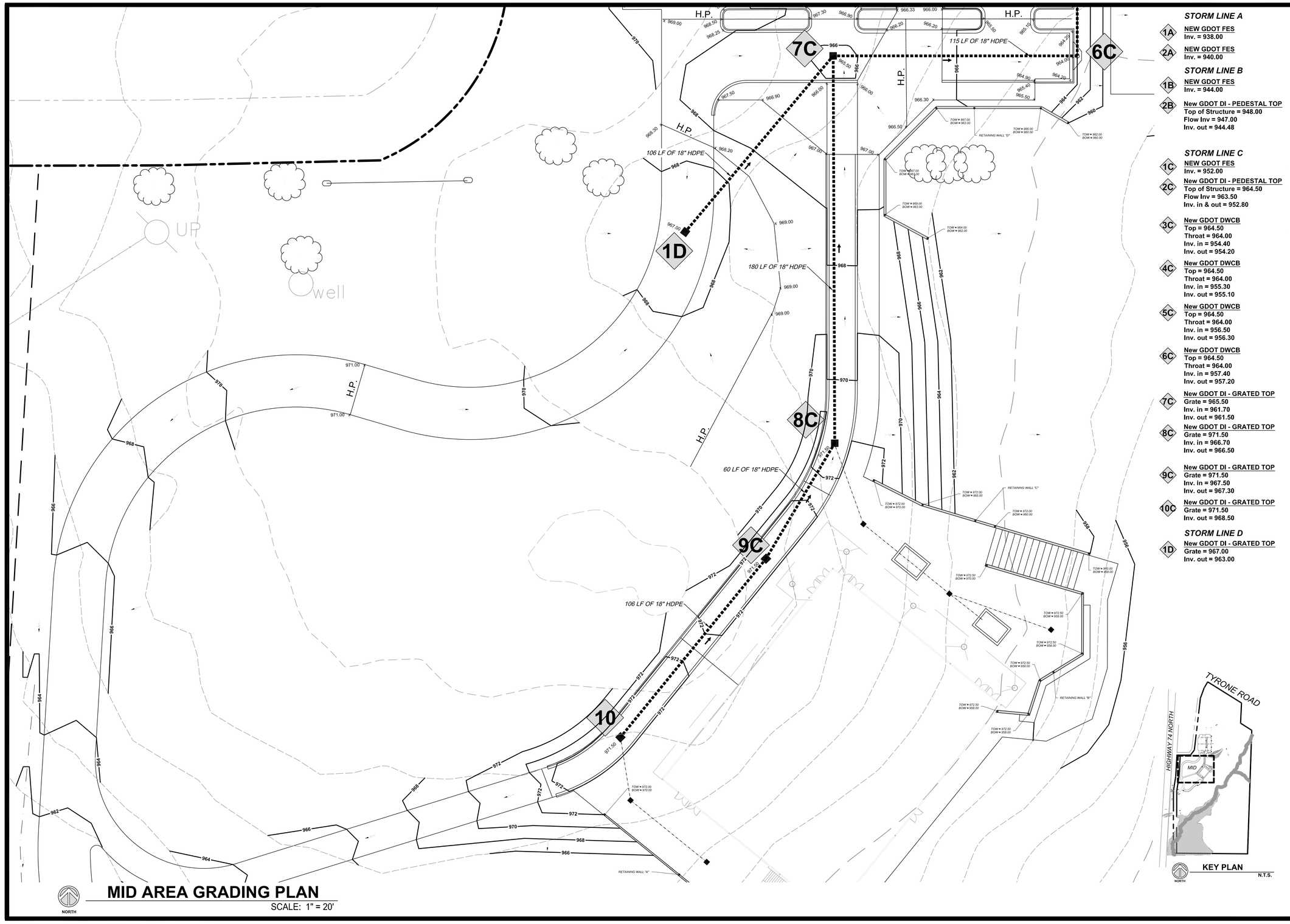
SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

SOUTH AREA GRADING PLAN

C 4.1

SHEET



STORM LINE A

1A NEW GDOT FES
Inv. = 938.00

2A NEW GDOT FES
Inv. = 940.00

STORM LINE B

1B NEW GDOT FES
Inv. = 944.00

2B New GDOT DI - PEDESTAL TOP
Top of Structure = 948.00
Flow Inv = 947.00
Inv. out = 944.48

STORM LINE C

1C NEW GDOT FES
Inv. = 952.00

2C New GDOT DI - PEDESTAL TOP
Top of Structure = 964.50
Flow Inv = 963.50
Inv. in & out = 952.80

3C New GDOT DWCB
Top = 964.50
Throat = 964.00
Inv. in = 954.40
Inv. out = 954.20

4C New GDOT DWCB
Top = 964.50
Throat = 964.00
Inv. in = 955.30
Inv. out = 955.10

5C New GDOT DWCB
Top = 964.50
Throat = 964.00
Inv. in = 956.50
Inv. out = 956.30

6C New GDOT DWCB
Top = 964.50
Throat = 964.00
Inv. in = 957.40
Inv. out = 957.20

7C New GDOT DI - GRATED TOP
Grate = 965.50
Inv. in = 961.70
Inv. out = 961.50

8C New GDOT DI - GRATED TOP
Grate = 971.50
Inv. in = 966.70
Inv. out = 966.50

9C New GDOT DI - GRATED TOP
Grate = 971.50
Inv. in = 967.50
Inv. out = 967.30

10C New GDOT DI - GRATED TOP
Grate = 971.50
Inv. out = 968.50

STORM LINE D

1D New GDOT DI - GRATED TOP
Grate = 967.00
Inv. out = 963.00

KEY PLAN
N.T.S.

MID AREA GRADING PLAN

SCALE: 1" = 20'

NORTH

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Peachtree City, GA 30269
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DESIGN OFFICE:

Construction Documents
PREPARED FOR:

JOHN PETTIT
25 PEACHTREE LAKE DRIVE
SHARPBURG, GA 30277

CLIENT

#	DATE & BY
1	REV. PER COMMENTS 12.30.2017

BETHEL ATLANTA CHURCH
Master Plan
362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

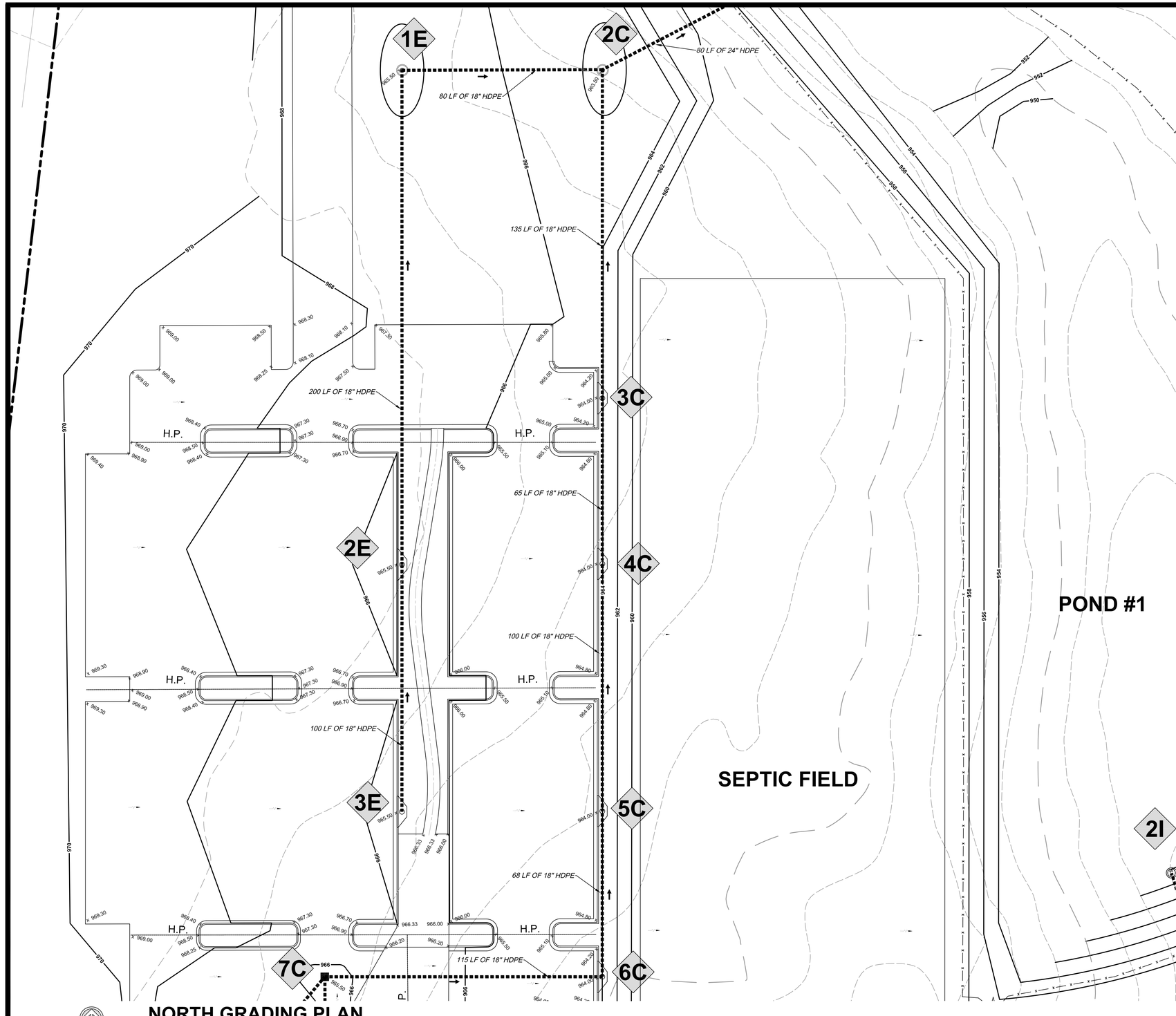
PROJECT

GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. PE14656
STEVE E DRYDEN

SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

MID AREA GRADING PLAN
C 4.2
SHEET



NORTH GRADING PLAN

SCALE: 1" = 20'

STORM LINE A

1A NEW GDOT FES
Inv. = 938.00

2A NEW GDOT FES
Inv. = 940.00

STORM LINE B

1B NEW GDOT FES
Inv. = 944.00

2B New GDOT DI - PEDESTAL TOP
Top of Structure = 948.00
Flow Inv = 947.00
Inv. out = 944.48

STORM LINE C

1C NEW GDOT FES
Inv. = 952.00

2C New GDOT DI - PEDESTAL TOP
Top of Structure = 964.50
Flow Inv = 963.50
Inv. in & out = 952.80

3C New GDOT DWCB
Top = 964.50
Throat = 964.00
Inv. in = 954.40
Inv. out = 954.20

4C New GDOT DWCB
Top = 964.50
Throat = 964.00
Inv. in = 955.30
Inv. out = 955.10

5C New GDOT DWCB
Top = 964.50
Throat = 964.00
Inv. in = 956.50
Inv. out = 956.30

6C New GDOT DWCB
Top = 964.50
Throat = 964.00
Inv. in = 957.40
Inv. out = 957.20

7C New GDOT DI - GRATED TOP
Grate = 965.50
Inv. in = 961.70
Inv. out = 961.50

8C New GDOT DI - GRATED TOP
Grate = 971.50
Inv. in = 966.70
Inv. out = 966.50

9C New GDOT DI - GRATED TOP
Grate = 971.50
Inv. in = 967.50
Inv. out = 967.30

10C New GDOT DI - GRATED TOP
Grate = 971.50
Inv. out = 968.50

STORM LINE D

1D New GDOT DI - GRATED TOP
Grate = 967.00
Inv. out = 963.00

STORM LINE E

1E New GDOT DI - PEDESTAL TOP
Top of Structure = 966.50
Flow Inv = 965.50
Inv. in = 953.80
Inv out = 953.60

2E New GDOT DWCB
Top = 966.20
Throat = 965.50
Inv. in = 955.00
Inv. out = 954.80

3E New GDOT DWCB
Top = 966.20
Throat = 965.50
Inv. out = 956.00

STORM LINE F

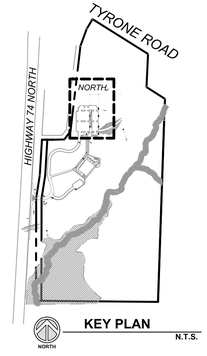
1F NEW GDOT FES
Inv. = 944.00

2F New GDOT DWCB
Top = 952.20
Throat = 951.50
Inv. in = 947.50
Inv. out = 947.30

3F New GDOT DI - GRATED TOP
Grate = 958.00
Inv. out = 954.00

STORM LINE G

1G New GDOT DI - PEDESTAL TOP
Top of Structure = 952.00
Flow Inv = 951.00
Inv out = 948.00



KEY PLAN N.T.S.

Omni
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DESIGN OFFICE:

Construction Documents
PREPARED FOR:

JOHN PETTIT
25 PEACHTREE LAKE DRIVE
SHARPBURG, GA 30277

CLIENT

#	DATE & BY
1	REV. PER COMMENTS 12.30.2017

BETHEL ATLANTA CHURCH
Master Plan

362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

PROJECT

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE14999 CLEVE E DRYDEN

SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

NORTH AREA GRADING PLAN
C 4.3
SHEET

MATCH EXISTING ASPHALT GRADE
AT TERMINATION OF MILLING AREA.

N/F
REALTY CO.
EL #0727 046
62 - PGS 538

980
978
976
974
972
970
968
966
964
962
960
958
956
954
952
950

1C
1E
2C

80 LF OF 24" HDPE
80 LF OF 18" HDPE
135 LF OF 18" HDPE

NORTH ENTRANCE GRADING PLAN

SCALE: 1" = 30'

NORTH

STORM LINE A

1A NEW GDOT FES
Inv. = 938.00

2A NEW GDOT FES
Inv. = 940.00

STORM LINE B

1B NEW GDOT FES
Inv. = 944.00

2B New GDOT DI - PEDESTAL TOP
Top of Structure = 948.00
Flow Inv = 947.00
Inv. out = 944.48

STORM LINE C

1C NEW GDOT FES
Inv. = 952.00

2C New GDOT DI - PEDESTAL TOP
Top of Structure = 964.50
Flow Inv = 963.50
Inv. in & out = 952.80

3C New GDOT DWCB
Top = 964.50
Throat = 964.00
Inv. in = 954.40
Inv. out = 954.20

4C New GDOT DWCB
Top = 964.50
Throat = 964.00
Inv. in = 955.30
Inv. out = 955.10

5C New GDOT DWCB
Top = 964.50
Throat = 964.00
Inv. in = 956.50
Inv. out = 956.30

6C New GDOT DWCB
Top = 964.50
Throat = 964.00
Inv. in = 957.40
Inv. out = 957.20

7C New GDOT DI - GRATED TOP
Grate = 965.50
Inv. in = 961.70
Inv. out = 961.50

8C New GDOT DI - GRATED TOP
Grate = 971.50
Inv. in = 966.70
Inv. out = 966.50

9C New GDOT DI - GRATED TOP
Grate = 971.50
Inv. in = 967.50
Inv. out = 967.30

10C New GDOT DI - GRATED TOP
Grate = 971.50
Inv. out = 968.50

STORM LINE D

1D New GDOT DI - GRATED TOP
Grate = 967.00
Inv. out = 963.00

STORM LINE E

1E New GDOT DI - PEDESTAL TOP
Top of Structure = 966.50
Flow Inv = 965.50
Inv. in = 953.80
Inv out = 953.60

2E New GDOT DWCB
Top = 966.20
Throat = 965.50
Inv. in = 955.00
Inv. out = 954.80

3E New GDOT DWCB
Top = 966.20
Throat = 965.50
Inv. out = 956.00

STORM LINE F

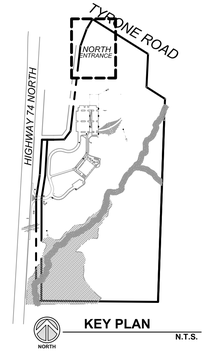
1F NEW GDOT FES
Inv. = 944.00

2F New GDOT DWCB
Top = 952.20
Throat = 951.50
Inv. in = 947.50
Inv. out = 947.30

3F New GDOT DI - GRATED TOP
Grate = 958.00
Inv. out = 954.00

STORM LINE G

1G New GDOT DI - PEDESTAL TOP
Top of Structure = 952.00
Flow Inv = 951.00
Inv out = 948.00



NORTH KEY PLAN N.T.S.

Omni
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CLIENT

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BETHEL ATLANTA CHURCH
Master Plan

362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

PROJECT

GEORGIA REGISTERED No. PE14656 PROFESSIONAL ENGINEER STEVE E DRYDEN

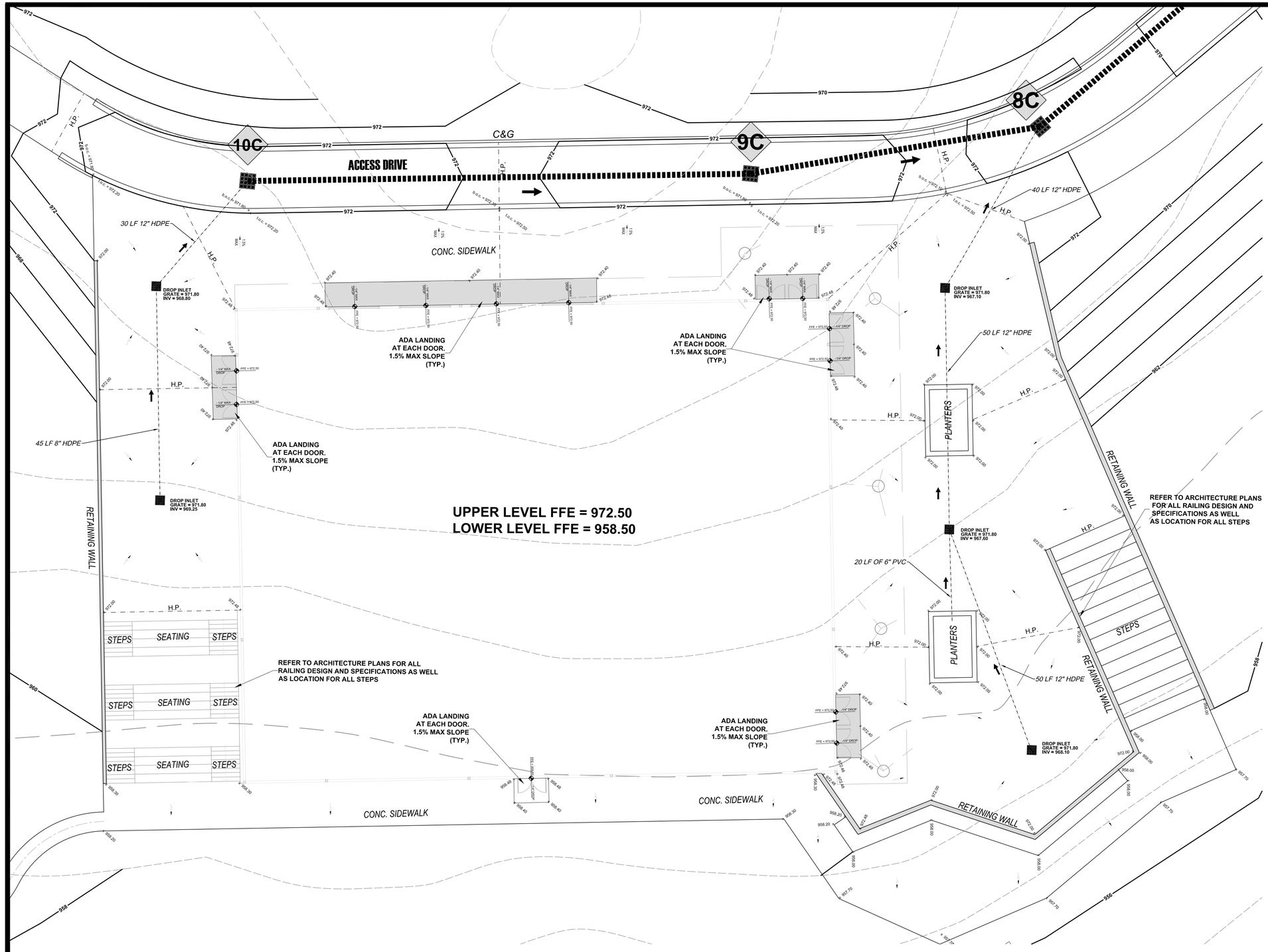
SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

NORTH ENTRANCE GRADING PLAN

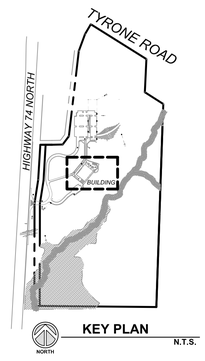
C 4.3.1

SHEET



BUILDING GRADING PLAN

SCALE: 1" = 10'



KEY PLAN N.T.S.

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SEAL

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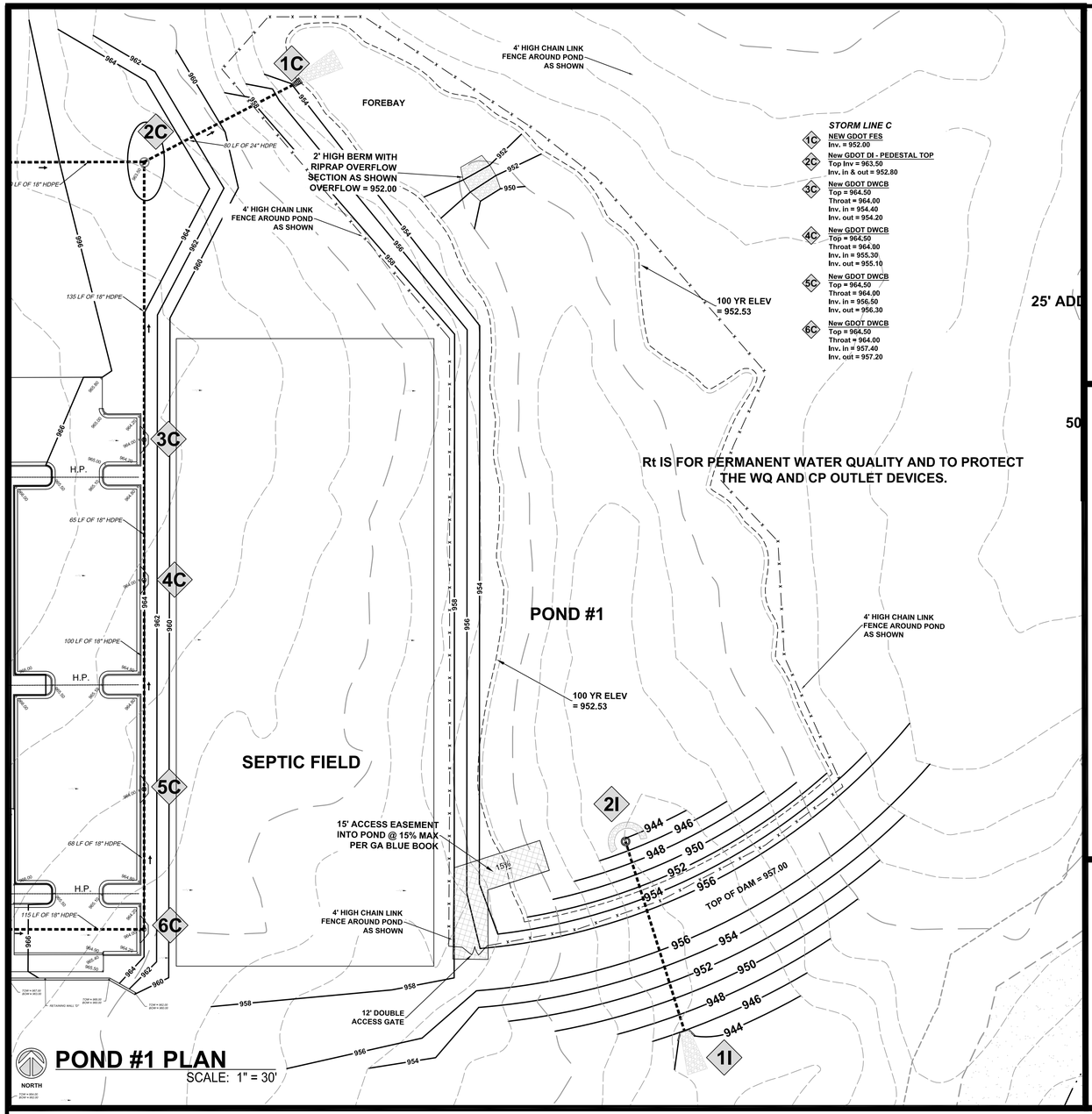
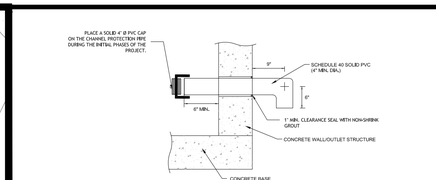
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

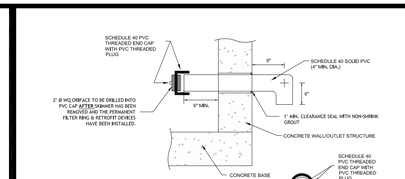
BUILDING AREA GRADING PLAN
C 4.4
SHEET



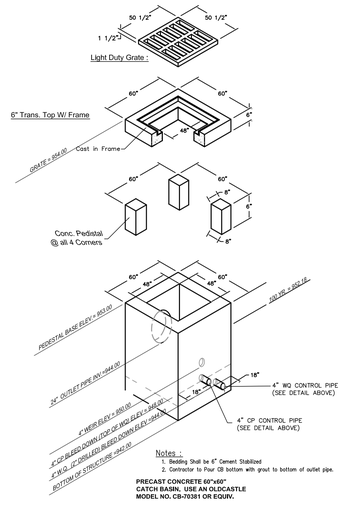
POND #1 PLAN
SCALE: 1" = 30'



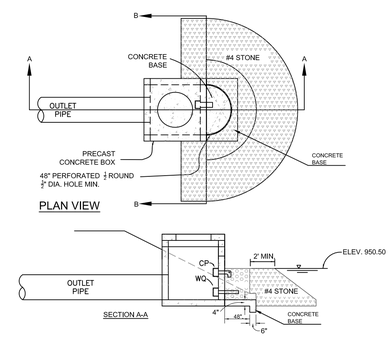
INITIAL WQ/CP ORIFACE INSTALLATION



PERMANENT WQ/CP ORIFACE INSTALLATION



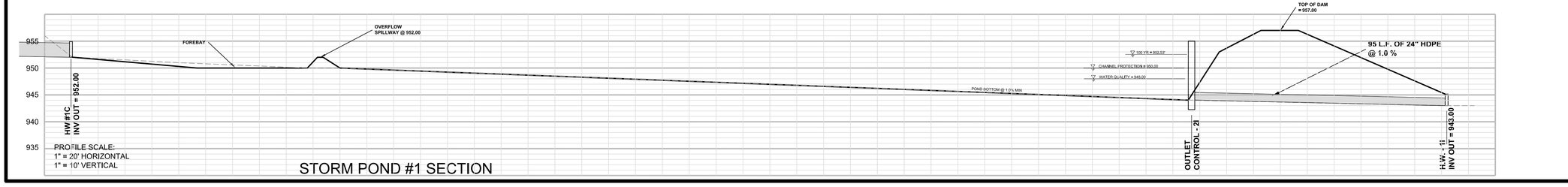
DETENTION POND OUTLET DETAIL
N.T.S.



PERMANENT OUTLET PROTECTION DETAIL
N.T.S.

STORMWATER FACILITY NOTES

1. DETENTION POND, INCLUDING OUTLET STRUCTURE AND TEMPORARY SEDIMENT BASIN FEATURES, IS TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY GRADING OR OTHER CONSTRUCTION.
2. DEVELOPER IS TO CLEAN OUT ACCUMULATED SILT IN DETENTION POND AT END OF CONSTRUCTION WHEN DISTURBED AREAS HAVE BEEN STABILIZED.
3. PROVIDE DETENTION POND POST-CONSTRUCTION (RECORD) DRAWINGS ONE WEEK PRIOR TO REQUESTING A CERTIFICATE OF OCCUPANCY SO THAT THE POST CONSTRUCTION CONDITIONS CAN BE VERIFIED AND APPROVED. CERTIFIED RECORD DRAWINGS SHALL INCLUDE TOPO OF POND AND OUTLET STRUCTURE DETAIL BOTH BASED ON SURVEY CONDUCTED WHEN CONSTRUCTION HAS BEEN COMPLETED. PROVIDE A CERTIFIED HYDROLOGY REPORT BASED ON THE RECORD DRAWINGS THAT VERIFIES ALL REQUIRED POND VOLUMES AND PEAK OUTFLOWS FOR REGULATED STORM EVENTS WILL BE ACHIEVED.
4. MAXIMUM CUT OR FILL SLOPES IS 2H:1V



STORM POND #1 SECTION

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Peachtree City, GA 30269
ph: 770.302.1701
fax: 770.818.5663

DESIGN OFFICE:

Construction Documents
PREPARED FOR:

JOHN PETTIT
25 PEACHTREE LAKE DRIVE
SHARPBURG, GA 30277

CLIENT

#	DATE & BY
1	REV. PER COMMENTS 12.30.2017

BETHEL ATLANTA CHURCH
Master Plan

362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

PROJECT

Know what's below
Call before you dig.
Dial 811
Or Call 800-245-4848

GEORGIA REGISTERED No. PE14858 PROFESSIONAL ENGINEER STEVE E DRYDEN

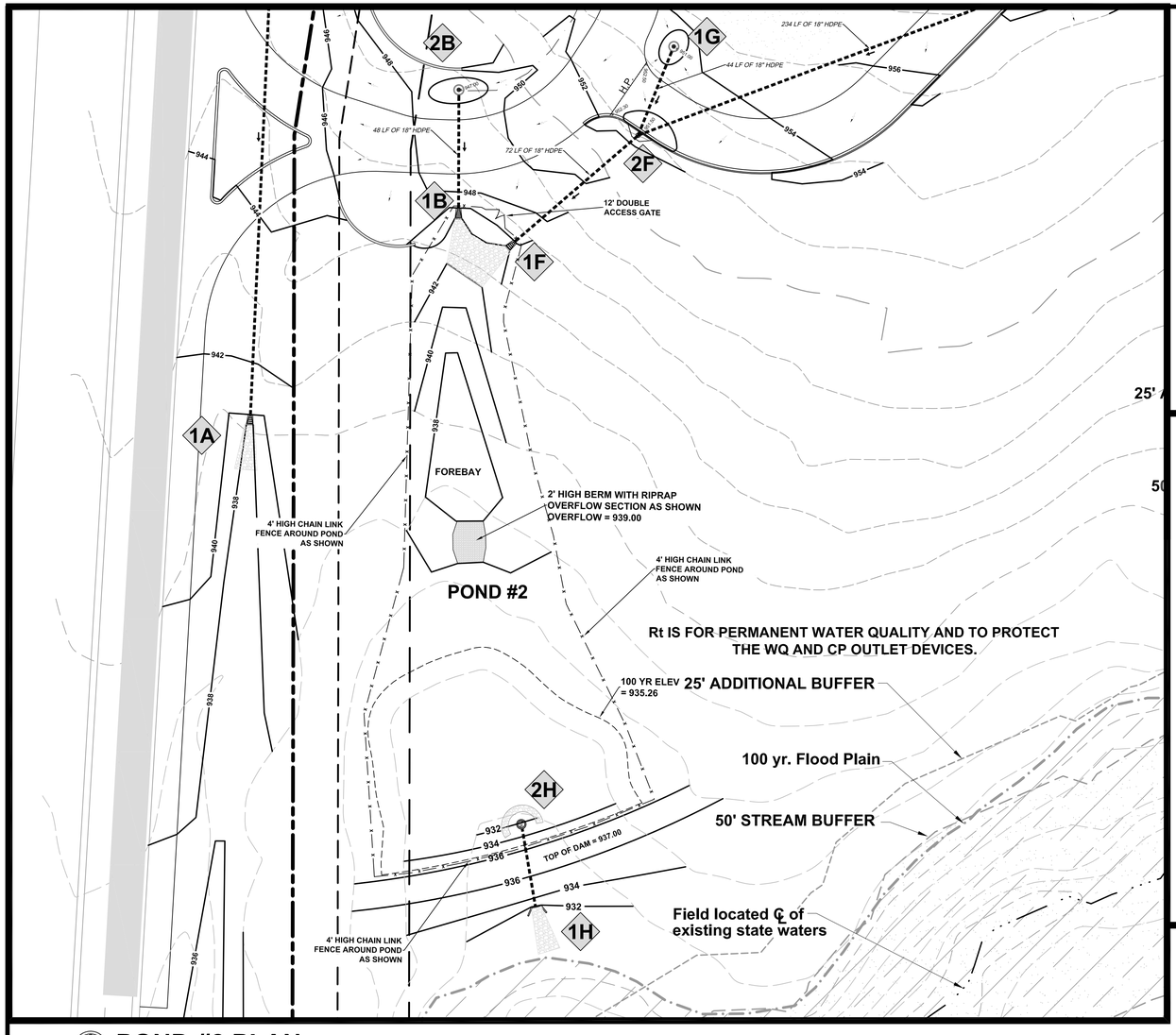
SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

STORMWATER POND #1 PLAN

C 4.5

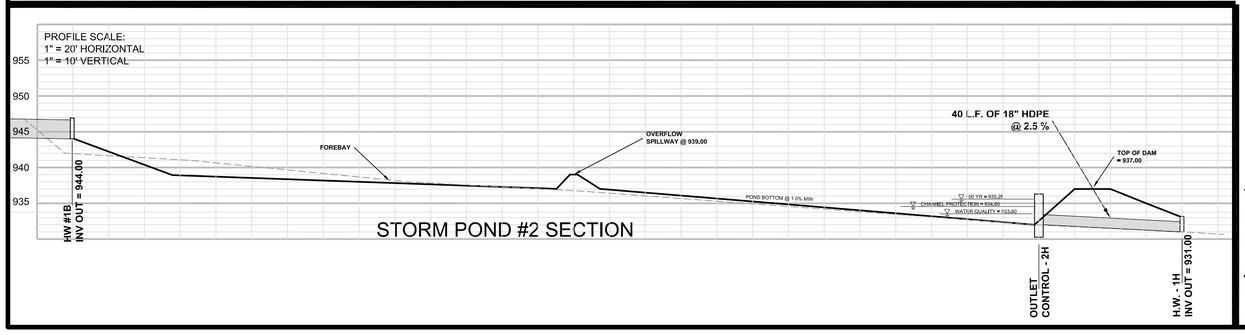
SHEET

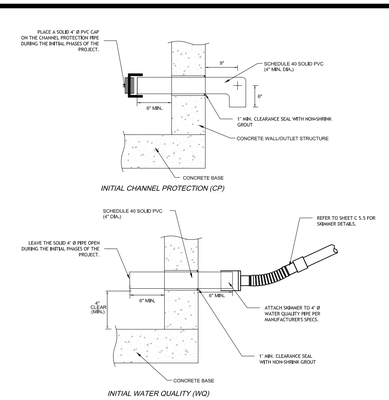


NORTH

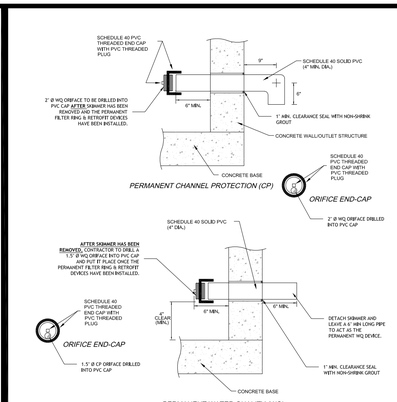
POND #2 PLAN

SCALE: 1" = 30'

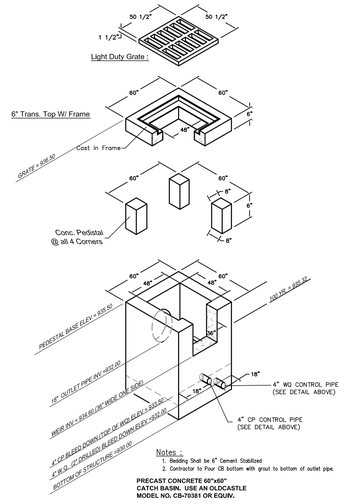




INITIAL WQ/CP ORIFACE INSTALLATION

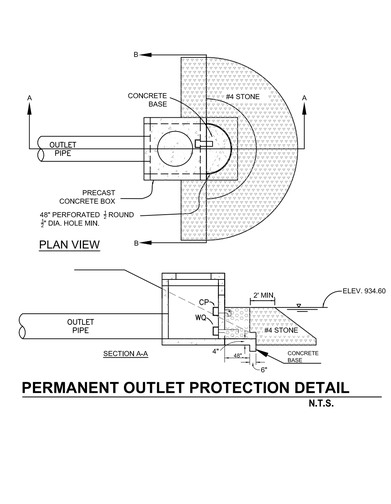


PERMANENT WQ/CP ORIFACE INSTALLATION



DETENTION POND OUTLET DETAIL

N.T.S.



PERMANENT OUTLET PROTECTION DETAIL

N.T.S.

Stormwater Maintenance

Operation

The operation of the storm water facilities is fundamentally automatic. Nonetheless, the Owner shall make routine inspections of th e facilities, at a minimum, on a monthly basis. All conveyances to and from the storm water facilities (pipes, ditch, swales, inlets, filters, et c.) shall be checked for blockage and accumulation of sediments and debris. Any foreign matter shall be immediately removed.

Maintenance

Monthly Inspection:

General- Inspect monthly for debris and remove any vegetation that interferes with inflow to the pond. Repair eroded areas outside the limits of the micro pool. Then stabilize the repair with vegetation in accordance with the re-vegetation section of this document. Remove trash and debris from SWMF#1.

Inlets, Pipes and Other Structures - Check for obstructions in the outfall weir, pipes, inlets and inlet grates, etc. Remove all obstructions found. Check for structural failures of the structures, and repair as needed. Check all pipe joints and connections to structures for evidence of leakage. Seal all leaks with appropriate grout, sealer or gaskets. Leaking pipe joints may be repaired in place by wrapping defective joint with a suitable filter fabric geotextile. Pipe joints shall be at least soil tight, whereas connections to structures shall be watertight.

Weed and Brush Control - Mow slopes and, if needed, pond bottom bi-monthly from April through October or more often as needed to control the growth of weeds and unwanted bushes and trees. On areas inaccessible to power mowing equipment, control of large growing shrubs, trees and undesirable vegetation can be done by hand or chemicals. When using chemicals, care should be taken to follow all manufacturers' directions for use and safety precautions. All grass and weed clippings shall be properly disposed. Clippings are not to be dumped in waterways, storm sewers and inlets, etc.

Liming and Fertilization for Grassing - In the spring of each year 500 pounds per acre of 8-8-8 or equivalent fertilizer should be applied or as need is determined by soil test.
Use a granular form with high organic content and spread evenly. Apply agricultural lime at the rate of one (1) ton per acre every five (5) years or as determined by a soil test. Lime and fertilizer shall not be applied to the pond bottom.

STORMWATER FACILITY NOTES

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DESIGN OFFICE:

Construction Documents
PREPARED FOR:

JOHN PETTIT
25 PEACHTREE LAKE DRIVE
SHARPBURG, GA 30277

CLIENT

#	DATE & BY
1	REV. PER COMMENTS 12.30.2017

BETHEL ATLANTA CHURCH
Master Plan

362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

PROJECT

GEORGIA REGISTERED No. PE14656 PROFESSIONAL ENGINEER STEVE E DRYDEN

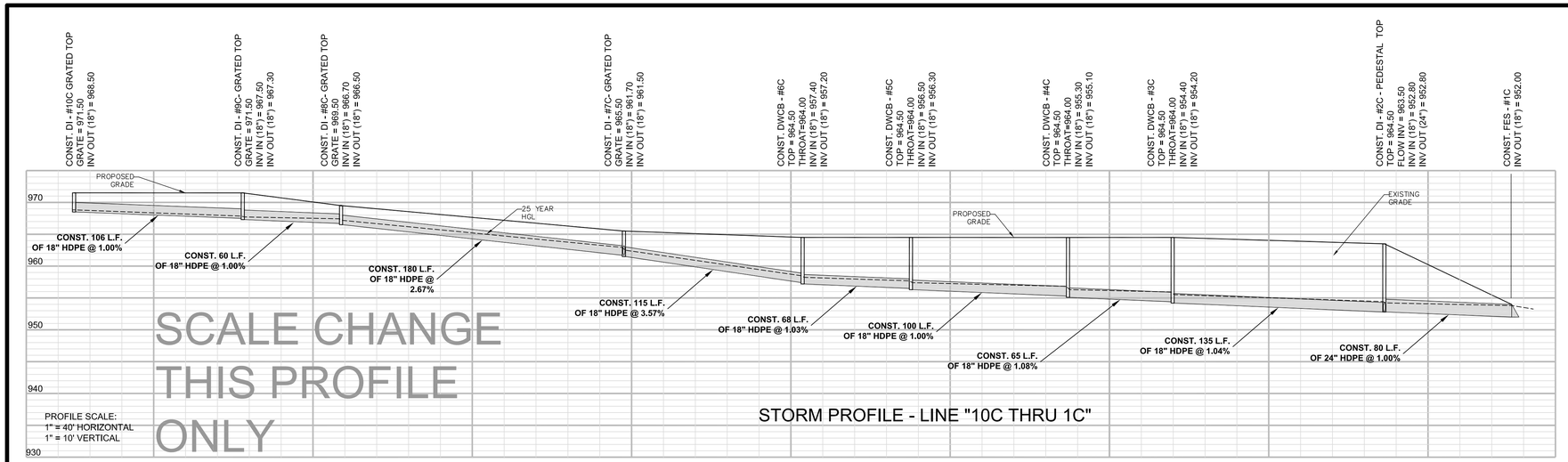
SEAL

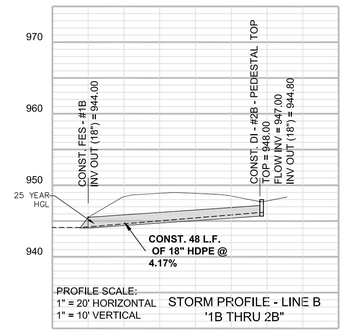
DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

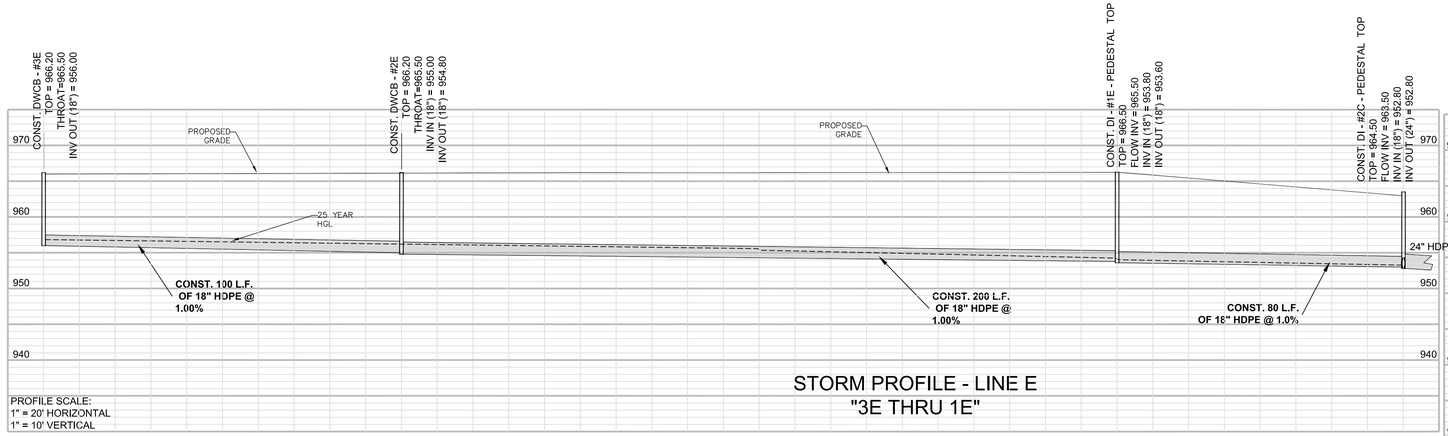
STORMWATER POND #2 PLAN

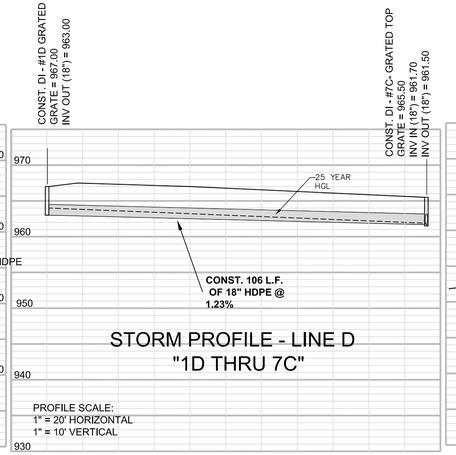
C 4.6

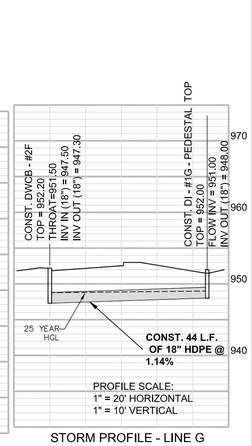
SHEET

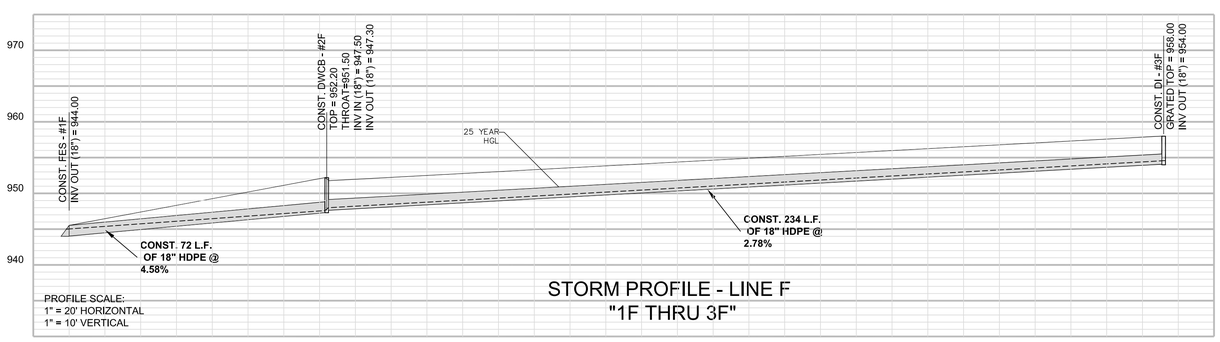


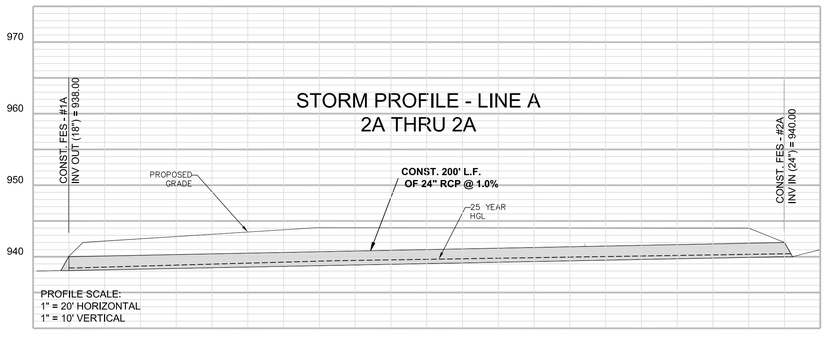












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BETHEL ATLANTA CHURCH
Master Plan

362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

PROJECT

GEORGIA REGISTERED PROFESSIONAL ENGINEER STEVE E DRYDEN
No. PE14606

SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

STORMWATER PIPE PROFILES

C 4.7

SHEET

Storm Sewer Tabulation — LINE C, LINE D AND LINE E (25 YR)

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line		Incr	Total		Incr	Total	Inlet	Syst					Size	Slope	Dn	Up	Dn	Up	Dn	Up	
		(ft)	(ac)	(ac)	(C)			(min)	(min)	(in/hr)	(cfs)	(cfs)	(ft/s)	(in)	(%)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	
1	End	80	0.47	4.02	0.35	0.16	2.51	10.0	13.6	6.4	16.12	22.62	6.08	24	1.00	952.00	952.80	953.80	954.22	0.00	0.00	1C TO 2C
2	1	80	0.23	1.11	0.30	0.07	0.82	10.0	11.0	7.0	5.74	10.50	3.60	18	1.00	952.80	953.60	954.57	954.75	0.00	0.00	1E TO 2C
3	1	135	0.11	2.44	0.95	0.10	1.53	10.0	13.2	6.5	9.94	10.69	5.85	18	1.04	952.80	954.20	954.44	955.51	0.00	0.00	2C TO 3C
4	3	65	0.19	2.33	0.85	0.16	1.43	10.0	13.1	6.5	9.32	10.90	5.69	18	1.08	954.40	955.10	955.94	956.31	0.00	0.00	3C TO 4C
5	4	100	0.18	2.14	0.85	0.15	1.26	10.0	12.7	6.6	8.35	10.50	5.36	18	1.00	955.30	956.30	956.83	957.40	0.00	0.00	4C TO 5C
6	5	68	0.08	1.96	0.90	0.07	1.11	10.0	12.5	6.7	7.39	10.65	5.29	18	1.03	956.50	957.20	957.69	958.24	0.00	0.00	5C TO 6C
7	6	115	0.41	1.88	0.60	0.25	1.04	10.0	12.2	6.7	7.00	19.83	5.30	18	3.57	957.40	961.50	958.49	962.51	0.00	0.00	6C TO 7C
8	7	106	0.62	0.62	0.55	0.34	0.34	10.0	10.0	7.3	2.49	11.63	2.66	18	1.23	961.70	963.00	962.95	963.60	0.00	0.00	7C TO 1D
9	7	180	0.51	0.85	0.55	0.28	0.45	10.0	11.2	7.0	3.15	17.15	3.04	18	2.67	961.70	966.50	962.94	967.18	0.00	0.00	7C TO 8C
10	9	60	0.12	0.34	0.60	0.07	0.17	10.0	10.7	7.1	1.21	10.50	2.21	18	1.00	966.70	967.30	967.43	967.72	0.00	0.00	8C TO 9C
11	10	106	0.22	0.22	0.45	0.10	0.10	10.0	10.0	7.3	0.72	10.20	2.40	18	0.94	967.50	968.50	967.86	968.82	0.00	0.00	9C TO 10C
12	2	100	0.49	0.88	0.85	0.42	0.75	10.0	10.6	7.1	5.33	10.50	4.01	18	1.00	953.80	954.80	955.21	955.68	0.00	0.00	1E TO 2E
13	12	100	0.39	0.39	0.85	0.33	0.33	10.0	10.0	7.3	2.42	10.50	2.79	18	1.00	955.00	956.00	956.03	956.59	0.00	0.00	2E TO 3E

Project File: Hydraflow 9-14-2017 Burton Mainline.stm | Number of lines: 13 | Run Date: 10-24-2017

NOTES: Intensity = 73.78 / (Inlet time + 10.20) ^ 0.77; Return period = 25 Yrs. ; c = cir e = ellip b = box

Hydraflow Storm Sewers 2008 v12.01

Storm Sewer Tabulation — LINE B (25 YR)

Page 1

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line		Incr	Total		Incr	Total	Inlet	Syst					Size	Slope	Dn	Up	Dn	Up	Dn	Up	
		(ft)	(ac)	(ac)	(C)			(min)	(min)	(in/hr)	(cfs)	(cfs)	(ft/s)	(in)	(%)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	
1	End	48	0.22	0.22	0.65	0.14	0.14	10.0	10.0	7.3	1.04	25.33	1.72	18	4.17	944.00	946.00	945.50	946.39	946.00	949.00	Pipe B (Bethel Dri

Pipe B Bethel Cross Drain | Number of lines: 1 | Run Date: 01-04-2018

NOTES: Intensity = 73.78 / (Inlet time + 10.20) ^ 0.77; Return period = 25 Yrs. ; c = cir e = ellip b = box

Hydraflow Storm Sewers 2008 v12.01

Storm Sewer Tabulation — LINE F AND LINE G (25 YR)

1

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line		Incr	Total		Incr	Total	Inlet	Syst					Size	Slope	Dn	Up	Dn	Up	Dn	Up	
		(ft)	(ac)	(ac)	(C)			(min)	(min)	(in/hr)	(cfs)	(cfs)	(ft/s)	(in)	(%)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	
1	End	72	0.15	2.00	0.95	0.14	1.16	10.0	11.4	6.9	8.04	22.48	5.22	18	4.58	944.00	947.30	945.50	948.38	944.00	951.50	1F TO 2F
2	1	232	0.72	0.72	0.55	0.40	0.40	10.0	10.0	7.3	2.89	17.58	2.82	18	2.80	947.50	954.00	948.88	954.65	951.50	958.00	2F TO 3F
3	1	40	1.13	1.13	0.55	0.62	0.62	10.0	10.0	7.3	4.53	11.74	3.69	18	1.25	947.50	948.00	948.82	948.81	951.50	951.50	2F TO 1G

Project File: Hydraflow 9-14-2017 Burton Not Mainline.stm | Number of lines: 3 | Run Date: 10-24-2017

NOTES: Intensity = 73.78 / (Inlet time + 10.20) ^ 0.77; Return period = 25 Yrs. ; c = cir e = ellip b = box

Hydraflow Storm Sewers 2008 v12.01

Storm Sewer Tabulation — LINE A (25 YR)

Page 1

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line		Incr	Total		Incr	Total	Inlet	Syst					Size	Slope	Dn	Up	Dn	Up	Dn	Up	
		(ft)	(ac)	(ac)	(C)			(min)	(min)	(in/hr)	(cfs)	(cfs)	(ft/s)	(in)	(%)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	
1	End	200	13.02	13.02	0.00	0.00	0.00	28.9	28.9	0.0	35.45	26.73	11.35	24	1.00	938.00	940.00	939.93	943.27	942.00	946.00	Pipe A (GDOT)

Pipe A GDOT Cross Drain | Number of lines: 1 | Run Date: 01-04-2018

NOTES: Intensity = 73.78 / (Inlet time + 10.20) ^ 0.77; Return period = 25 Yrs. ; c = cir e = ellip b = box

Hydraflow Storm Sewers 2008 v12.01

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25 PEACHTREE LAKE DRIVE
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CLIENT

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1	REV. PER COMMENTS 12.30.2017

BETHEL ATLANTA CHURCH
Master Plan

362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

PROJECT

GEORGIA REGISTERED No. PE14656 PROFESSIONAL ENGINEER CLEVE E DRYDEN

SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

STORMWATER PIPE CHARTS

C 4.8

SHEET

(CHECKLIST #30)

d. Sampling Frequency.

(1). The primary permittee must sample in accordance with the Plan at least once for each rainfall event described below. For a qualifying event, the permittee shall sample at the beginning of any storm water discharge to a monitored receiving water and/or from a monitored outfall location within in forty–five (45) minutes or as soon as possible.

(2). However, where manual and automatic sampling are impossible (as defined in this permit), or are beyond the permittee's control, the permittee shall take samples as soon as possible, but in no case more than twelve (12) hours after the beginning of the st+orm water discharge.

(3). Sampling by the permittee shall occur for the following qualifying events:

(a). For each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a storm water discharge that occurs during normal business hours as defined in this permit after all clearing and grubbing operations have been completed, but prior to completion of mass grading operations, in the drainage area of the location selected as the sampling location;

(b). In addition to (a) above, for each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a storm water discharge that occurs during normal business hours as defined in this permit either 90 days after the first sampling event or after all mass grading operations have been completed, but prior to submittal of a NOT, in the drainage area of the location selected as the sampling location, whichever comes first;

(c). At the time of sampling performed pursuant to (a) and (b) above, if BMPs in any area of the site that discharges to a receiving water or from an outfall are not properly designed, installed and maintained, corrective action shall be defined and implemented within two (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 until post–storm event inspections determine that BMPs are properly designed, installed and maintained;

(d). Where sampling pursuant to (a), (b) or (c) above is required but not possible (or not required because there was no discharge), the permittee, in accordance with Part IV.D.4.a.(6), must include a written justification in the inspection report of why sampling was not performed. Providing this justification does not relieve the permittee of any subsequent sampling obligations under (a), (b) or (c) above; and

(e). Existing construction activities, i.e., those that are occurring on or before the effective date of this permit, that have met the sampling required by (a) above shall sample in accordance with (b). Those existing construction activities that have met the sampling required by (b) above shall not be required to conduct additional sampling other than as required by (c) above.

*Note that the permittee may choose to meet the requirements of (a) and (b) above by collecting turbidity samples from any rain event that reaches or exceeds 0.5 inch and allows for sampling at any time of the day or week.

7. Non-storm water discharges. Except for flows from fire fighting activities, sources of non-storm water listed in Part III.A.2. of this permit that are combined with storm water discharges associated with construction activity must be identified in the Plan. The Plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge.

E. Reporting.

1. The applicable permittees are required to submit the sampling results to the EPD at the address shown in Part II.C. by the fifteenth day of the month following the reporting period. Reporting periods are months during which samples are taken in accordance with this permit. Sampling results shall be in a clearly legible format. Upon written notification, EPD may require the applicable permittee to submit the sampling results on a more frequent basis. Sampling and analysis of any storm water discharge(s) or the receiving water(s) beyond the minimum frequency stated in this permit must be reported in a similar manner to the EPD. The sampling reports must be signed in accordance with Part V.G.2. Sampling reports must be submitted to EPD until such time as a NOT is submitted in accordance with Part VI.

2. All sampling reports shall include the following information:

a. The rainfall amount, date, exact place and time of sampling or measurements;
b. The name(s) of the certified personnel who performed the sampling and measurements;
c. The date(s) analyses were performed;
d. The time(s) analyses were initiated;
e. The name(s) of the certified personnel who performed the analyses;
f. References and written procedures, when available, for the analytical techniques or methods used;
g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results;
h. Results which exceed 1000 NTU shall be reported as "exceeds 1000 NTU;" and
i. Certification statement that sampling was conducted as per the Plan.

3. All written correspondence required by this permit shall be submitted by return receipt certified mail (or similar service) to the appropriate District Office of the EPD according to the schedule in Appendix A of this permit. The permittee shall retain a copy of the proof of submittal at the construction site or the proof of submittal shall be readily available at a designated location from commencement of construction until such time as a NOT is submitted in accordance with Part VI. If an electronic submittal is provided by EPD then the written correspondence may be submitted electronically; if required, a paper copy must also be submitted by return receipt certified mail or similar service.

(CHECKLIST #26)

MEASURES INSTALLED DURING CONSTRUCTION TO CONTROL POLLUTANTS IN STORM WATER THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED ARE THE FOLLOWING: INSTALLATION OF PERMANENT VEGETATION TO PREVENT EROSION, APPROPRIATE STORM DRAIN OUTLET PROTECTION FOR ENERGY DISSIPATION AT THE STORM DRAIN DISCHARGE LOCATIONS, AND INSTALLATIONS OF A CONTECH CDS HYDRODYNAMIC SEPARATOR TO FILTER STORMWATER FROM IMPERVIOUS AREAS.

(CHECKLIST #29)

a. Primary Permittee.

{1). Each day when any type of construction activity has taken place at a primary permittee's site, certified personnel provided by the primary permittee shall inspect: (a) all areas at the primary permittee's site where petroleum products are stored, used, or handled for spills and leaks from vehicles and equipment and (b) all locations at the primary permittee's site where vehicles enter or exit the site for evidence of off-site sediment tracking. These inspections must be conducted until a Notice of Termination is submitted.

(2). Measure rainfall once every 24 hours except any non-working Saturday, non-working Sunday and non-working Federal holiday until a Notice of Termination is submitted. Measurement of rainfall may be suspended if all areas of the site have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region.

Certified personnel for primary permittes shall conduct inspections at least twice every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater (unless such storm ends after 5:00 PM on any Friday or on any non-working Saturday, non-working Sunday or any non-working Federal holiday in which case the inspection shall be completed by the end of the next business day and/or working day, whichever occurs first): (a) disturbed areas of the primary permittee's construction site ; (b) areas used by the primary permittee for storage of materials that are exposed to precipitation ; and (c) structural control measures. Erosion and sediment control measures identified in the Plan applicable to the primary permittee's site shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s). For areas of a site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region, the permittee must comply with Part IV.D.4.a.(4).. These inspections must be conducted until a Notice of Termination is submitted.

(4). Certified personnel (provided by the primary permittee) shall inspect at least once per month during the term of this permit (i.e., until a Notice of Termination is submitted to EPD) the areas of the site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region. These areas shall be inspected for evidence of, or the potential for, pollutants entering the drainage system and the receiving water(s). Erosion and sediment control measures identified in the Plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s).

(5). Based on the results of each inspection, the site description and the pollution prevention and control measures identified in the Erosion, Sedimentation and Pollution Control Plan, the Plan shall be revised as appropriate not later than seven (7) calendar days following each inspection. Implementation of such changes shall be made as soon as practical but in no case later than seven (7) calendar days following each inspection. The primary permittee must amend the Plan in accordance with Part IV.D.4.b.(5). when a secondary permittee notifies the primary permittee of any Plan deficiencies.

(6). A report of each inspection that includes the name(s) of certified personnel making each inspection, the date(s) of each inspection, construction phase (i.e., initial, intermediate or final), major observations relating to the implementation of the Erosion, Sedimentation and Pollution Control Plan, and actions taken in accordance with Part IV.D.4.a.(5).. of the permit shall be made and retained at the site or be readily available at a designated alternate location until the entire site or that portion of a construction project that has been phased has undergone final stabilization and a Notice of Termination is submitted to EPD. Such reports shall be readily available by end of the second business day and/or working day and shall identify all incidents of best management practices that have not been properly installed and/or maintained as described in the Plan. Where the report does not identify an incident, the inspection report shall contain a statement that the best management practices are in compliance with the Erosion, Sedimentation and Pollution Control Plan. The report shall be signed in accordance with Part V.G.2. of this permit.

(CHECKLIST #31)

Retention of Records.

1. 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 NOT is submitted in accordance with Part VI:

a. A copy of all Notices of Intent submitted to EPD;
b. A copy of the Erosion, Sedimentation and Pollution Control Plan required by this permit;
c. The design professional's report of the results of the inspection conducted in accordance with Part IV.A.5. of this permit;
d. A copy of all sampling information, results, and reports required by this permit;
e. A copy of all inspection reports generated in accordance with Part IV.D.4.a. of this permit;
f. A copy of all violation summaries and violation summary reports generated in accordance with Part III.D.2. of this permit; and
g. Daily rainfall information collected in accordance with Part IV.D.4.a.(2). of this permit.

2. Copies of all Notices of Intent, Notices of Termination, inspection reports, sampling reports (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) or other reports requested by the EPD, Erosion, Sedimentation and Pollution Control Plans, records of all data used to complete the Notice of Intent to be covered by this permit and all other records required by this permit shall be retained by the permittee who either produced or used it for a period of at least three years from the date that the NOT is submitted in accordance with Part VI of this permit. These records must 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. This period may be extended by request of the EPD at any time upon written notification to the permittee.

(CHECKLIST #32) - Refer to Sheets C5.2 & C5.3 for location

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 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.
(1). SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.
(2). SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
(3). LARGE MOUTH, CLEAN AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.
(4). MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT 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 USING A DIRECT READING, PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.
(5). SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E.

(1). FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORM WATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES:
(A). THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.
(B). THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.
(C). IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNEL(S).
(D). CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL.
(E). THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.
(F). THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.
(G). PERMITTEES DO NOT HAVE TO SAMPLE SHEETFLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS THE USE OF RIP RAP, GABIONS, PERMANENT MULCHES OR GEOTEXTILES) HAVE BEEN USED. PERMANENT VEGETATION SHALL CONSIST OF: PLANTED TREES, SHRUBS, PERENNIAL VINES; A CROP OF PERENNIAL VEGETATION APPROPRIATE FOR THE TIME OF YEAR AND REGION; OR A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION. FINAL STABILIZATION APPLIES TO EACH PHASE OF CONSTRUCTION.
(H). ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORM WATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3. OR III.D.4., WHICHEVER IS APPLICABLE.

(CHECKLIST #27)

POLLUTION PREVENTION NOTES

1. STAGING AREAS AND MATERIAL STORAGE SHALL BE LOCATED WITHIN THE CLEARING LIMITS.
2. ALL TRASH, CONSTRUCTION DEBRIS, AND OTHER SOLID WASTE SHALL BE COLLECTED AND STORED IN A METAL DUMPSTER. THE DUMPSTER SHALL BE REMOVED FROM THE SITE WHEN FULL. NO WASTE MATERIALS SHALL BE BURIED ON SITE.
3. NO CONCRETE DRUM WASHOUT SHALL BE PERFORMED WITHIN THE CLEARING LIMITS.
4. NO FUELING OPERATIONS SHALL BE CONDUCTED ONSITE EXCEPT AS ALLOWED BY AN APPROVED SPCC PLAN.
5. PAINTS, CHEMICALS AND OTHER HAZARDOUS MATERIALS SHALL BE STORED, HANDLED, AND DISPOSED OF IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND ALL APPLICABLE LOCAL,STATE, AND FEDERAL REGULATIONS.

ES&PC PLAN COMPLIANCE WITH WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS:
HAZARDOUS WASTES: ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ESPCP FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.

THE CONTRACTOR WILL IMPLEMENT A SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORM WATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORMWATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORMWATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

SANITARY WASTES:
ALL PERMITTEES SHALL ENSURE AND DEMONSTRATE THAT THEIR PLAN IS IN COMPLIANCE WITH APPLICABLE STATE AND LOCAL WASTE WATER DISPOSAL, SANITARY SEWER, OR SEPTIC SYSTEM REGULATIONS.

A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLIANCE WITH LOCAL AND STATE REGULATIONS.

ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORMWATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE, SHEET NO'S. EC3 & EC4, BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED. SANITARY SEWER WILL BE PROVIDED BY MUNICIPAL AUTHORITY AT THE COMPLETION OF THIS PROJECT.

(CHECKLIST #25)

BMP'S FOR THE REMEDIATION OF ALL PETROLEUM SPILLS AND LEAKS:
SPILL CLEANUP AND CONTROL PRACTICES:
-LOCAL, STATE, AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO ALL ON SITE PERSONNEL.
-MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDE, BUT IS NOT LIMITED TO: BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST, AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
-SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
-ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED.
-FOR SPILLS THAT IMPACT SURFACE WATER (I.E. LEAVE A SHEEN ON SURFACE WATER),THE STATE OF GEORGIA EPA EMERGENCY OPERATIONS CENTER @ 800-241-4113, WILL BE CONTACTED WITHIN 24 HOURS.
-FOR SPILLS OF AN UNKNOWN AMOUNT, THE STATE OF GEORGIA EPA EMERGENCY OPERATIONS CENTER @ 800-241-4113, WILL BE CONTACTED WITHIN 24 HOURS.
-FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE STATE OF GEORGIA EPA EMERGENCY OPERATIONS CENTER @ 800-241-4113, WILL BE CONTACTED WITHIN 24 HOURS.
-FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.
THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1,320 GALLONS OF PETROLEUM IS STORED ON SITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. IN SUCH A CASE, THE CONTRACTOR WILL PROVIDE A SPILL PREVENTION, CONTAINMENT, AND COUNTERMEASURES PLAN PREPARED BY A LICENSED PROFESSIONAL.

PRODUCT SPECIFIC PRACTICES:
PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS, AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPERTY DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

PAINTS/FINISHES/SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS, AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

(CHECKLIST #24)

CONCRETE TRUCK WASHING - ALL CONCRETE WASHOUT OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS, THE REAR OF THE VEHICLES AT THE CONSTRUCTION SITE SHALL BE CONTAINED WITHIN THE AREA IDENTIFIED IN THE PHASE III EROSION CONTROL PLANS. WASHOUT OF THE DRUM IS PROHIBITED.
FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.
BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON SITE. ALL SUCH MATERIALS WILL BE DISPOSED OF IN ACCORDANCE WITH PROPER WASTE DISPOSAL PROCEDURES.

(CHECKLIST #17)

ANY AMENDMENT TO THE EROSION CONTROL PLANS WHICH HAVE A SIGNIFICANT EFFECT ON BMPS WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

(CHECKLIST #46)

SOILS: ***PLEASE SEE SHEET C-5.1 FOR SOIL MAP AND INFORMATION.***

(CHECKLIST #11)

THE PROJECT RECEIVING WATERS FOR THIS SITE IS TO A PRIVATE DETENTION POND, THAT DISCHARGES INTO AN UNNAMED TRIBUTARY OF CHANNINGS LAKE AND THEREFORE THE YELLOW RIVER. THESE WATER BODIES ARE NOT LOCATED WITHIN 200 FEET OF THE PROJECT SITE. NO WATER BODY SHALL BE ADVERSELY IMPACTED BY THE CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT.

(CHECKLIST #15)

NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50 FOOT UNDISTURBED STREAM BUFFERS AS MEASURES FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

(CHECKLIST #18)

NO WASTE WILL BE DISPOSED OF INTO STORM WATER INLETS OR WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
WASTE MATERIALS: 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 DISPOSED OF 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 ON SITE. 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.

TEMPORARY BMP REMOVAL:
ALL TEMPORARY BMP'S TO BE REMOVED UPON PROJECT COMPLETION. SILT FENCE TO BE REMOVED IN REVERSE ORDER FROM MANUFACTURER'S INSTRUCTIONS, PERMANENT GRASSING TO BE APPLIED, INLET PROTECTION TO BE REMOVED IN REVERSE ORDER FROM MANUFACTURER'S INSTRUCTIONS, CONSTRUCTION EXIT TO BE REMOVED.

Erosion, Sedimentation And Pollution Control Plan (ESPCP) CERTIFICATIONS:

(CHECKLIST #13)

DESIGN PROFESSIONAL'S ESPCP CERTIFICATION STATEMENT:

"I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN (ESPCP) 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 1 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 CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001." (GAR 100001 - PART IV, 2ND PARAGRAPH)

SIGNATURE: ______________ DATE: 12.30.17

(CHECKLIST #12)

EROSION & SEDIMENT CONTROL SITE VISIT CERTIFICATION:

"I CERTIFY UNDER PENALTY OF LAW THAT THIS ESPCP WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY DIRECT SUPERVISION." (GAR 100001 - PART IV, 3RD PARAGRAPH, SEE ALSO 391-3-7.10)

SIGNATURE: ______________ DATE: 12.30.17

(CHECKLIST #22)

I CERTIFY THAT THE GEORGIA'S 2008 OR SUBSEQUENT 305(b)/303(d) LIST DOCUMENTS HAVE BEEN CONSULTED AND DETERMINED THAT THE PROJECT DOES / **DOES NOT** DISCHARGE INTO AN IMPAIRED STREAM SEGMENT OR LIE WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT.

NAME: CLEVE E. DRYDEN., P.E. TITLE: EROSION CONTROL ENGINEER

LEVEL II CERTIFICATION NUMBER: 0000075341 EXP. 10/23/2018

SIGNATURE: ______________ DATE: 12.30.17

(CHECKLIST #14)

PROFESSIONAL 7-DAY VISIT CERTIFICATION:

WITHIN 7 DAYS AFTER INSTALLATION, THE DESIGN PROFESSIONAL, AN AUTHORIZED AGENT DESIGNATED BY THE DESIGN PROFESSIONAL, OR AN ALTERNATE DESIGN PROFESSIONAL (ONLY AFTER PRIMARY PERMITTEE HAS REQUESTED SUCH IN WRITING AND EPD HAS AGREED) WILL PERFORM AN INSPECTION OF THE INITIAL SEDIMENT STORAGE AND PERIMETER CONTROL BMP'S THAT HAVE BEEN INSTALLED AND WILL SUBMIT A SIGNED COPY OF THE REPORT OF THEIR FINDINGS TO THE PRIMARY PERMITTEE. THE PRIMARY PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE SUBMITTED REPORT FROM THE DESIGN PROFESSIONAL UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED. THE REPORT SHALL BE KEPT ON FILE WITH THE NOTICE OF INTENT (NOI) AND ALL OTHER REQUIRED PAPERWORK.

DATE OF INSPECTION:______________
"I CERTIFY THIS SITE WAS IN COMPLIANCE WITH THE ES&PC PLANS ON THE DATE OF INSPECTION.

____
GSWCC LEVEL II DESIGN PROFESSIONAL GSWCC CERTIFICATION NUMBER EXPIRATION DATE

INSPECTION REVEALED THE FOLLOWING DISCREPANCIES FROM THE ESPCP PLAN:______________

____

THESE DISCREPANCIES MUST BE ADDRESSED AND A RE-INSPECTION SCHEDULED. WORK SHALL NOT PROCEED ON THE SITE UNTIL DESIGN PROFESSIONAL CERTIFICATION IS OBTAINED.

(CHECKLIST #30) (CONT)

AIR QUALITY CONTROL:

RULES FOR AIR QUALITY CONTROL - CHAPTER 391-3-1 EFFECTIVE: APRIL 19, 2006
(N) FUGITIVE DUST

1. ALL PERSONS RESPONSIBLE FOR ANY OPERATION, PROCESS, HANDLING, TRANSPORTATION OR STORAGE FACILITY, WHICH MAY RESULT IN FUGITIVE DUST, SHALL TAKE ALL REAM
M
SONABLE PRECAUTIONS TO PREVENT SUCH DUST FROM BECOMING AIRBORNE. SOME REASONABLE PRECAUTIONS, WHICH COULD BE TAKEN TO PREVENT DUST FROM BECOMING AIRBORNE INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

(I) USE, WHERE POSSIBLE, OF WATER OR CHEMICALS FOR CONTROL OF DUST IN THE DEMOLITION OF EXISTING BUILDINGS OR STRUCTURES, CONSTRUCTION OPERATIONS, THE GRADING OF ROADS, OR THE CLEARING OF LAND;

(II) APPLICATION OF THE ASPHALT, WATER OR SUITABLE CHEMICALS ON DIRT ROADS, MATERIALS, STOCKPILES AND OTHER SURFACES WHICH CAN GIVE RISE TO AIRBORNE DUST;

(III) INSTALLATION AND USE OF HOODS, FANS, AND FABRIC FILTERS TO ENCLOSE AND VENT THE HANDLING OF DUSTY MATERIALS. ADEQUATE CONTAINMENT METHODS CAN BE EMPLOYED DURING SANDBLASTING OR OTHER SIMILAR OPERATIONS;

(IV) COVERING, AT ALL TIMES WHEN IN MOTION, OPEN BODIED TRUCKS, TRANSPORTING MATERIALS LIKELY TO GIVE RISE TO AIRBORNE DUST;

(V) THE PROMPT REMOVAL EARTH OR OTHER MATERIAL FROM PAVED STREETS ONTO WHICH EARTH OR OTHER MATERIAL HAS BEEN DEPOSITED.

2. THE PERCENT OPACITY FROM ANY FUGITIVE DUST SOURCE LISTED IN PARAGRAPH (2) (N) 1. ABOVE SHALL NOT EQUAL OR EXCEED 20 PERCENT.

(CHECKLIST #38)

USE OF ALTERNATIVE BMP'S ARE ALLOWED WHOSE PERFORMANCE HAS BEEN DOCUMENTED TO BE EQUIVALENT TO OR SUPERIOR TO CONVENTIONAL BMP'S 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.

Omni Consulting Services
Atlanta Tallahassee
Jacksonville Washington D.C.
401 Westpark Court, Suite 200
Peachtree City, GA 30269
ph: 770.302.1701
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DESIGN OFFICE:

Construction Documents
PREPARED FOR:

JOHN PETTIT
25 PEACHTREE LAKE DRIVE
SHARPBURG, GA 30277

CLIENT

#	DATE & BY
1	REV. PER COMMENTS 12.30.2017

BETHEL ATLANTA CHURCH
Master Plan

362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

PROJECT

GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION

GEORGIA REGISTERED No. PE14656 PROFESSIONAL ENGINEER CLEVE E DRYDEN

CLEVE E. DRYDEN, P.E.
CERT NO.: 0000075341
EXPIRATION DATE: 10/23/2018

GEORGIA REGISTERED No. PE14656 PROFESSIONAL ENGINEER CLEVE E DRYDEN

SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

EROSION CONTROL NOTES
C 5.0
SHEET

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS
SWCD:GWINNETT COUNTY WCD

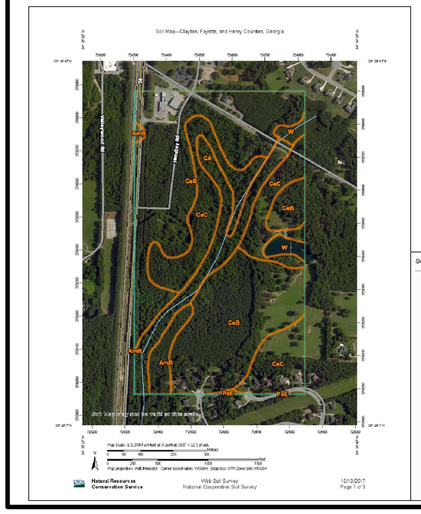
Project Name: Bethel Church Site **Address: 2020 Tyrone Road, Tyrone, GA.**
City/County: Tyrone/Fayette **Date on Plans:Original: 6/23/2017-Revised 10/4/2017 Revised 12/30/2017**

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
C5.1	Y	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)
ALL	Y	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 Plan will not be reviewed)
ALL	Y	3 Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the EPD District Office. If EPD approves the request to disturb 50 acres or more at any one time, the plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist.* (A copy of the written approval by EPD must be attached to the plan for the plan to be reviewed.)
ALL	Y	4 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls
ALL	Y	5 Provide the name, address and phone number of primary permittee.
ALL	Y	6 Note total and disturbed acreage of the project or phase under construction.
2 & ER	Y	7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
ALL	Y	8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
ALL	Y	9 Description of the nature of construction activity.
C 1.0	Y	10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
C 5.0	Y	11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
C 5.0	Y	12 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.
C 5.0	Y	13 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 15 of the permit.*
C 5.0	Y	14 Clearly note the statement 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."*
C 5.0	Y	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
C 5.0		16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
C 5.0	Y	17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional."*
C 5.0	Y	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit."*
ALL	Y	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
ALL	Y	20 Clearly note statement that "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."
ALL	Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
C5.0	N	22 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	N	23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 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."
C 5.0	Y	24 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."
C 5.0	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
ALL	Y	26 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."
ALL	Y	27 Description of the practices that will be used to reduce the pollutants in storm water discharges."
ALL	Y	28 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).
C 5.0	Y	29 Provide complete requirements of inspections and record keeping by the primary permittee."
C 5.0	Y	30 Provide complete requirements of sampling frequency and reporting of sampling results."
C 5.0	Y	31 Provide complete details for retention of records as per Part IV.F. of the permit."
C 5.0	Y	32 Description of analytical methods to be used to collect and analyze the samples from each location."
C 5.1	Y	33 Appendix B rationale for NTU values at all outfall sampling points where applicable."
C5.2	Y	34 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged."
ALL	Y	35 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. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combine all of the BMPs into a single phase."
ALL	Y	36 Graphic scale and North arrow.
ALL	Y	37 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

Map Scale	Ground Slope	Contour Intervals, ft.
1 inch = 100ft or larger scale	Flat 0 - 2%	0.5 or 1
	Rolling 2 - 8%	1 or 2
	Steep 8% +	2.5 or 10

N/A	N	38 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.
N/A	N	39 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition."
N/A	N	40 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.
N/A	N	41 Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
C 5.2	Y	42 Delineation and acreage of contributing drainage basins on the project site.
C5.2	Y	43 Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions."
C5.4	Y	44 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
C5.3	Y	45 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
C 5.1	Y	46 Soil series for the project site and their delineation.
ALL	Y	47 The limits of disturbance for each phase of construction.
C5.1&2	Y	48 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 justification 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. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the plan.
ALL	Y	49 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.
C5.5	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.
ALL	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 the year that seeding will take place and for the appropriate geographic region of Georgia.

*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 ? **Effective January 1, 2017**



Soil Map—Clayton, Fayette, and Henry Counties, Georgia

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AmB	Appling sandy loam, 2 to 6 percent slopes	4.0	3.4%
CA	Cartecay loam, 0 to 2 percent slopes, frequently flooded	12.6	10.7%
CeB	Cecil sandy loam, 2 to 6 percent slopes	69.2	59.0%
CeC	Cecil sandy loam, 6 to 10 percent slopes	28.7	24.5%
PaE	Pacolet sandy loam, 10 to 25 percent slopes	0.2	0.2%
W	Water	2.6	2.2%
Totals for Area of Interest		**117.4**	**100.0%**

INITIAL PHASE (PHASE II) SEDIMENTATION NOTES:

1. THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO OR CONCURRENT WITH LAND DISTURBANING ACTIVITIES.
2. SEDIMENT STORAGE MAINTENANCE INDICATORS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, INDICATING THE 1/3 FULL VOLUME.
3. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE PROPERTY OWNER.
4. THE SOIL EROSION AND SEDIMENT CONTROL ORDINANCE REQUIRIES THAT A 25' BUFFER ADJACENT TO ALL STATE WATERS BE MAINTAINED (ARTICLE 4 SECTION 4.3 PARAGRAPH 15). AN EXCEPTION IS GRANTED TO HOME OWNERS WHO PERFORM MINOR LAND DISTURBING ACTIVITIES SUCH AS HOME LANDSCAPING, HOME GARDENS, REPAIRS AND MAINTENANCE WORK, (ARTICLE 3, SECTION 3.1, PARAGRAPH 3)
5. 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.
6. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF IN THE OPINION OF THE CITY OF LAWRENCEVILLE INSPECTOR FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION & SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON SITE INSPECTOR OR THE DESIGN PROFESSIONAL.
7. FULL COORDINATION SHALL BE MAINTAINED BETWEEN THE CONTRACTOR, DESIGN PROFESSIONAL, AND THE REGULATORY INSPECTOR REGARDING PROJECT SEQUENCE.
8. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES AND THEREFORE LIMITED DURATIONS, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED.
9. EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTORS RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.
10. SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS.
11. TYPE "S" SILT FENCE SHOULD BE INSTALLED AT THE TOE OF ALL FILL SLOPES. THE SILT FENCE SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED ON THE SLOPE. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES HALF OF THE HEIGHT OF THE BARRIER. ADDITIONALLY, DIVERSION DIKES SHALL BE CONSTRUCTED ALONG THE TOP OF ALL SAID FILL SLOPES DIRECTED TOWARD THE EXCAVATED SEDIMENT TRAPS TO CONTROL SEDIMENT TRANSPORT.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE AS SHOWN IN THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AS THEY ARE RELOCATED, ANY DEFECTIVE MATERIALS IN THE BARRIER SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE REMOVED.
13. ALL SLOPES STEEPER THAN 3:1 AND WITH A HEIGHT OF 10 FEET OR GREATER, AND CUTS AND FILLS WITH STREAM BUFFERS, SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL MATTING OR BLANKETS.
14. TYPE "S" SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCK PILE AREAS.
15. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AFTER THEY ARE CONSTRUCTED.
16. STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED.
17. MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS NOT UNDER ACTIVE CONSTRUCTION WITHIN 14 DAYS OF LAND DISTURBANCE.
18. ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.
19. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE EXCAVATED INLET TRAPS WHEN IT REACHES THE CLEAN-OUT ELEVATION SHOWN ON THE PLANS.
20. SEDIMENT AND EROSION CONTROL MEASURES MUST BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF OF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.
21. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO POST ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" 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 A VEHICLE OR FROM THE SITE ONTO POST ROADWAY OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
22. CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
23. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS, I.E., MANDATORY STOP WORK ORDER!

INTERMEDIATE PHASE NOTES:

1, 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.

2. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION & SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON SITE INSPECTOR OR THE DESIGN PROFESSIONAL.

3, FULL COORDINATION SHALL BE MAINTAINED BETWEEN THE CONTRACTOR, DESIGN PROFESSIONAL, AND THE REGULATORY INSPECTOR REGARDING PROJECT SEQUENCE.

4, DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES AND THEREFORE LIMITED DURATIONS, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED.

5. EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTORS RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.

6. SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS.

7. TYPE "C" SILT FENCE SHOULD BE INSTALLED AT THE TOE OF ALL FILL SLOPES. THE SILT FENCE SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED ON THE SLOPE. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES HALF OF THE HEIGHT OF THE BARRIER. ADDITIONALLY, DIVERSION DIKES SHALL BE CONSTRUCTED ALONG THE TOP OF ALL SAID FILL SLOPES DIRECTED TOWARD THE EXCAVATED SEDIMENT TRAPS TO CONTROL SEDIMENT TRANSPORT.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE AS SHOWN IN THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AS THEY ARE RELOCATED, ANY DEFECTIVE MATERIALS IN THE BARRIER SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE REMOVED.

9. ALL SLOPES STEEPER THAN 3:1 AND WITH A HEIGHT OF 10 FEET OR GREATER, AND CUTS AND FILLS WITH STREAM BUFFERS, SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL MATTING OR BLANKETS.

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11, INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AFTER THEY ARE CONSTRUCTED.

12, STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED.

13, MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS NOT UNDER ACTIVE CONSTRUCTION WITHIN 14 DAYS OF LAND DISTURBANCE.

14. ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

15, THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE EXCAVATED INLET TRAPS WHEN IT REACHES THE CLEAN-OUT ELEVATION SHOWN ON THE PLANS.

16. SEDIMENT AND EROSION CONTROL MEASURES MUST BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF OF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

17. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO POST ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" 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 A VEHICLE OR FROM THE SITE ONTO POST ROADWAY OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

18. CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

19. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS, I.E., MANDATORY STOP WORK ORDER!

FINAL PHASE NOTES:

1. 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.

2. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION & SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON SITE INSPECTOR OR THE DESIGN PROFESSIONAL.

3, FULL COORDINATION SHALL BE MAINTAINED BETWEEN THE CONTRACTOR, DESIGN PROFESSIONAL, AND THE REGULATORY INSPECTOR REGARDING PROJECT SEQUENCE.

4, SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS.

5, MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS NOT UNDER ACTIVE CONSTRUCTION WITHIN 14 DAYS OF LAND DISTURBANCE.

6. ALL FINALIZED DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH PERMANENT GRASSING.

7. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE EXCAVATED INLET TRAPS WHEN IT REACHES THE CLEAN-OUT ELEVATION SHOWN ON THE PLANS.

8. AFTER CURBING, GRADED AGGREGATE BASE, AND PAVEMENT HAS BEEN INSTALLED, ALL INLET SEDIMENT TRAPS ON SINGLE AND DOUBLE WING CATCH BASINS ALONG WITH ANY CURB INLETS SHALL BE REMOVED AND REPLACED WITH CURB FILTER INLET PROTECTION.

9. ALL ROADWAY AND PARKING SHOULDERS SHOULD BE GRASSED AS SOON AS FINAL GRADE IS ACHIEVED BEHIND CURBS.

10. SEDIMENT AND EROSION CONTROL MEASURES MUST BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF OF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

Omni
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DESIGN OFFICE:

Construction Documents
PREPARED FOR:

JOHN PETTIT
25 PEACHTREE LAKE DRIVE
SHARPBURG, GA 30277

CLIENT

#	DATE & BY
1	REV. PER COMMENTS 12.30.2017

BETHEL ATLANTA CHURCH
Master Plan

362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

PROJECT

GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION

GEORGIA REGISTERED No. PE14656 PROFESSIONAL ENGINEER CLEVE E DRYDEN

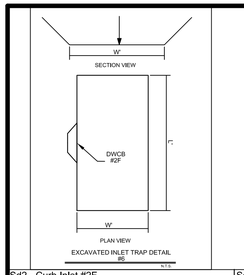
CLEVE E. DRYDEN, P.E.
CERT NO.: 0000075341
EXPIRATION DATE: 10/23/2018

GEORGIA REGISTERED No. PE14656 PROFESSIONAL ENGINEER CLEVE E DRYDEN

SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

EROSION CONTROL CHECKLIST & SOILS MAP
C 5.1
SHEET

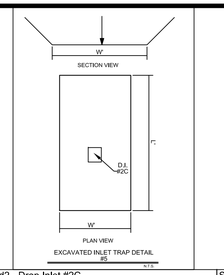


EXCAVATED INLET TRAP DETAIL
#5 N.T.S.

Sd2 - Curb Inlet #2F

1. DRAINAGE AREA = 0.15 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.15 AC
   REQUIRED SEDIMENT STORAGE = 10.05 CY = 271.35 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 271.35 CF/2.0FT
   SAmin = 135.68 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 17 FT W = 8.5 FT
   STORAGE PROVIDED = 17' x 8.5' x 2' = 289 CF

SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS

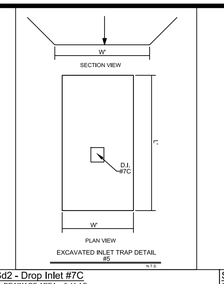


EXCAVATED INLET TRAP DETAIL
#5 N.T.S.

Sd2 - Drop Inlet #2C

1. DRAINAGE AREA = 0.47 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.47 AC
   REQUIRED SEDIMENT STORAGE = 31.49 CY = 850.23 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 850.23 CF/2.0FT
   SAmin = 425.12 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 29 FT W = 15 FT
   STORAGE PROVIDED = 29' x 15' x 2' = 870 CF

SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS

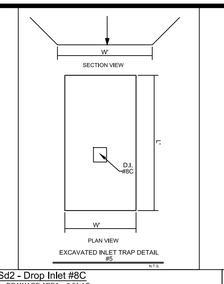


EXCAVATED INLET TRAP DETAIL
#5 N.T.S.

Sd2 - Drop Inlet #7C

1. DRAINAGE AREA = 0.41 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.41 AC
   REQUIRED SEDIMENT STORAGE = 27.47 CY = 741.69 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 741.69 CF/2.0FT
   SAmin = 370.85 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 25 FT W = 15 FT
   STORAGE PROVIDED = 25' x 15' x 2' = 750 CF

SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS

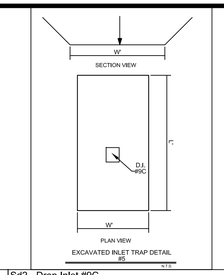


EXCAVATED INLET TRAP DETAIL
#5 N.T.S.

Sd2 - Drop Inlet #8C

1. DRAINAGE AREA = 0.51 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.51 AC
   REQUIRED SEDIMENT STORAGE = 34.17 CY = 922.59 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 922.59 CF/2.0FT
   SAmin = 461.30 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 31 FT W = 15.5 FT
   STORAGE PROVIDED = 31' x 15.5' x 2' = 961 CF

SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS

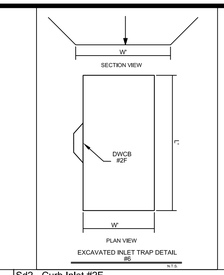


EXCAVATED INLET TRAP DETAIL
#5 N.T.S.

Sd2 - Drop Inlet #9C

1. DRAINAGE AREA = 0.12 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.12 AC
   REQUIRED SEDIMENT STORAGE = 8.04 CY = 217.08 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 217.08 CF/2.0FT
   SAmin = 108.54 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 15 FT W = 7.5 FT
   STORAGE PROVIDED = 15' x 7.5' x 2' = 225 CF

SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS



EXCAVATED INLET TRAP DETAIL
#5 N.T.S.

Sd2 - Drop Inlet #10C

1. DRAINAGE AREA = 0.22 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.22 AC
   REQUIRED SEDIMENT STORAGE = 14.74 CY = 397.96 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 397.96 CF/2.0FT
   SAmin = 198.99 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 20 FT W = 10 FT
   STORAGE PROVIDED = 20' x 10' x 2' = 400 CF

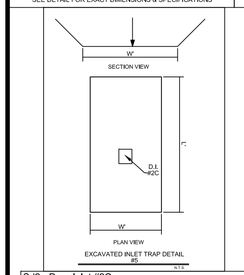
SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS

EXCAVATED INLET TRAP DETAIL
#5 N.T.S.

Sd2 - Curb Inlet #2F

1. DRAINAGE AREA = 0.15 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.15 AC
   REQUIRED SEDIMENT STORAGE = 10.05 CY = 271.35 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 271.35 CF/2.0FT
   SAmin = 135.68 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 17 FT W = 8.5 FT
   STORAGE PROVIDED = 17' x 8.5' x 2' = 289 CF

SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS

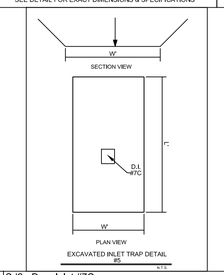


EXCAVATED INLET TRAP DETAIL
#5 N.T.S.

Sd2 - Drop Inlet #2C

1. DRAINAGE AREA = 0.47 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.47 AC
   REQUIRED SEDIMENT STORAGE = 31.49 CY = 850.23 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 850.23 CF/2.0FT
   SAmin = 425.12 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 29 FT W = 15 FT
   STORAGE PROVIDED = 29' x 15' x 2' = 870 CF

SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS

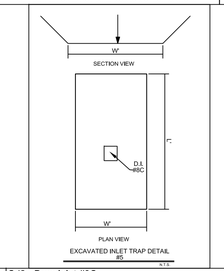


EXCAVATED INLET TRAP DETAIL
#5 N.T.S.

Sd2 - Drop Inlet #7C

1. DRAINAGE AREA = 0.41 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.41 AC
   REQUIRED SEDIMENT STORAGE = 27.47 CY = 741.69 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 741.69 CF/2.0FT
   SAmin = 370.85 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 25 FT W = 15 FT
   STORAGE PROVIDED = 25' x 15' x 2' = 750 CF

SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS

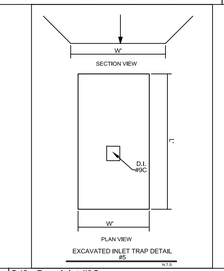


EXCAVATED INLET TRAP DETAIL
#5 N.T.S.

Sd2 - Drop Inlet #8C

1. DRAINAGE AREA = 0.51 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.51 AC
   REQUIRED SEDIMENT STORAGE = 34.17 CY = 922.59 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 922.59 CF/2.0FT
   SAmin = 461.30 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 31 FT W = 15.5 FT
   STORAGE PROVIDED = 31' x 15.5' x 2' = 961 CF

SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS

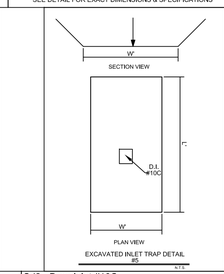


EXCAVATED INLET TRAP DETAIL
#5 N.T.S.

Sd2 - Drop Inlet #9C

1. DRAINAGE AREA = 0.12 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.12 AC
   REQUIRED SEDIMENT STORAGE = 8.04 CY = 217.08 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 217.08 CF/2.0FT
   SAmin = 108.54 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 15 FT W = 7.5 FT
   STORAGE PROVIDED = 15' x 7.5' x 2' = 225 CF

SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS

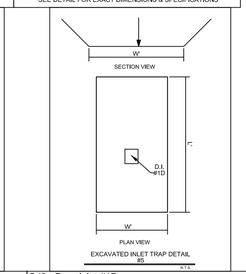


EXCAVATED INLET TRAP DETAIL
#5 N.T.S.

Sd2 - Drop Inlet #10C

1. DRAINAGE AREA = 0.22 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.22 AC
   REQUIRED SEDIMENT STORAGE = 14.74 CY = 397.96 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 397.96 CF/2.0FT
   SAmin = 198.99 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 20 FT W = 10 FT
   STORAGE PROVIDED = 20' x 10' x 2' = 400 CF

SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS

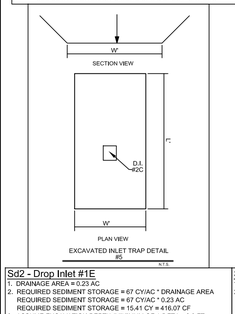


EXCAVATED INLET TRAP DETAIL
#5 N.T.S.

Sd2 - Drop Inlet #1D

1. DRAINAGE AREA = 0.62 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.62 AC
   REQUIRED SEDIMENT STORAGE = 41.54 CY = 1121.58 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 1121.58 CF/2.0FT
   SAmin = 560.79 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 34 FT W = 17 FT
   STORAGE PROVIDED = 34' x 17' x 2' = 1156 CF

SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS

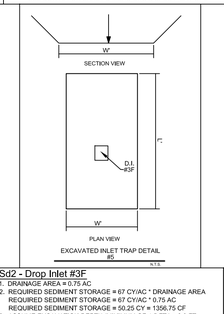


EXCAVATED INLET TRAP DETAIL
#5 N.T.S.

Sd2 - Drop Inlet #1E

1. DRAINAGE AREA = 0.23 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.23 AC
   REQUIRED SEDIMENT STORAGE = 15.41 CY = 416.07 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 416.07 CF/2.0FT
   SAmin = 208.04 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 20 FT W = 10.5 FT
   STORAGE PROVIDED = 20' x 10.5' x 2' = 420 CF

SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS

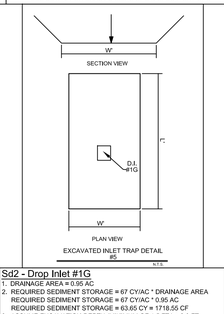


EXCAVATED INLET TRAP DETAIL
#5 N.T.S.

Sd2 - Drop Inlet #3F

1. DRAINAGE AREA = 0.75 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.75 AC
   REQUIRED SEDIMENT STORAGE = 50.25 CY = 1356.75 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 1356.75 CF/2.0FT
   SAmin = 678.38 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 37 FT W = 18.5 FT
   STORAGE PROVIDED = 37' x 18.5' x 2' = 1369 CF

SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS

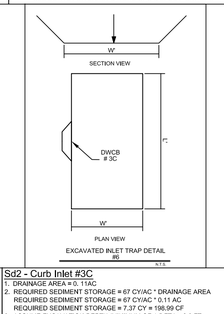


EXCAVATED INLET TRAP DETAIL
#5 N.T.S.

Sd2 - Drop Inlet #1G

1. DRAINAGE AREA = 0.95 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.95 AC
   REQUIRED SEDIMENT STORAGE = 63.65 CY = 1718.55 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 1718.55 CF/2.0FT
   SAmin = 859.28 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 42 FT W = 21 FT
   STORAGE PROVIDED = 42' x 21' x 2' = 1764 CF

SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS

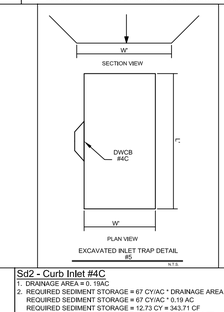


EXCAVATED INLET TRAP DETAIL
#5 N.T.S.

Sd2 - Curb Inlet #3C

1. DRAINAGE AREA = 0. 11AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.11 AC
   REQUIRED SEDIMENT STORAGE = 7.37 CY = 198.99 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 198.99 CF/2.0FT
   SAmin = 99.50 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 15 FT W = 7 FT
   STORAGE PROVIDED = 15' x 7' x 2' = 210 CF

SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS

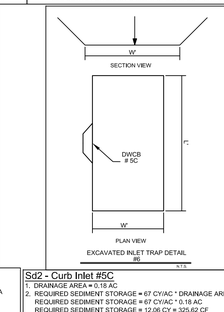


EXCAVATED INLET TRAP DETAIL
#5 N.T.S.

Sd2 - Curb Inlet #4C

1. DRAINAGE AREA = 0. 19AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.19 AC
   REQUIRED SEDIMENT STORAGE = 12.73 CY = 343.71 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 343.71 CF/2.0FT
   SAmin = 171.86 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 18 FT W = 9.5 FT
   STORAGE PROVIDED = 18' x 9.5' x 2' = 344 CF

SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS

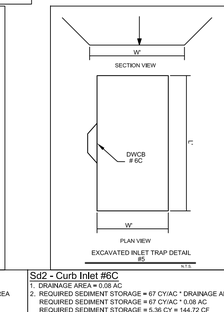


EXCAVATED INLET TRAP DETAIL
#6 N.T.S.

Sd2 - Curb Inlet #5C

1. DRAINAGE AREA = 0.18 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.18 AC
   REQUIRED SEDIMENT STORAGE = 12.06 CY = 325.62 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 325.62 CF/2.0FT
   SAmin = 162.81 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 18 FT W = 9.5 FT
   STORAGE PROVIDED = 18' x 9.5' x 2' = 342 CF

SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS

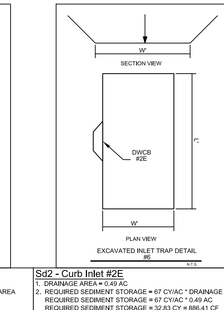


EXCAVATED INLET TRAP DETAIL
#5 N.T.S.

Sd2 - Curb Inlet #6C

1. DRAINAGE AREA = 0.08 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.08 AC
   REQUIRED SEDIMENT STORAGE = 5.36 CY = 144.72 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 144.72 CF/2.0FT
   SAmin = 72.36 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 12 FT W = 6.5 FT
   STORAGE PROVIDED = 12' x 6.5' x 2' = 156 CF

SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS

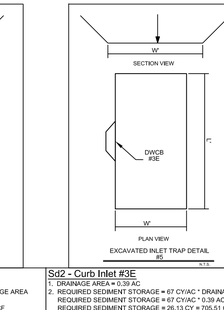


EXCAVATED INLET TRAP DETAIL
#5 N.T.S.

Sd2 - Curb Inlet #2E

1. DRAINAGE AREA = 0.49 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.49 AC
   REQUIRED SEDIMENT STORAGE = 32.83 CY = 886.41 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 886.41 CF/2.0FT
   SAmin = 443.21 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 30 FT W = 15 FT
   STORAGE PROVIDED = 30' x 15' x 2' = 900 CF

SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS



EXCAVATED INLET TRAP DETAIL
#5 N.T.S.

Sd2 - Curb Inlet #3E

1. DRAINAGE AREA = 0.39 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.39 AC
   REQUIRED SEDIMENT STORAGE = 26.13 CY = 705.51 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT.) = 2.0 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
   SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATION DEPTH
   SAmin = 705.51 CF/2.0FT
   SAmin = 352.76 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
   SHAPE: RECTANGULAR
   DIMENSIONS: L = 27 FT W = 13.5 FT
   STORAGE PROVIDED = 27' x 13.5 x 2' = 729 CF

SEE DETAIL FOR EXACT DIMENSIONS & SPECIFICATIONS

GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION

GEORGIA REGISTERED No. PE14656 PROFESSIONAL ENGINEER CLEVE E DRYDEN

CLEVE E. DRYDEN, P.E.
CERT NO.: 0000075341
EXPIRATION DATE: 10/23/2018

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401 Westpark Court, Suite 200
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DESIGN OFFICE:

Construction Documents
PREPARED FOR:

JOHN PETTIT
25 PEACHTREE LAKE DRIVE
SHARPBURG, GA 30277

CLIENT

#	DATE & BY
1	REV. PER COMMENTS 12.30.2017

BETHEL ATLANTA CHURCH
Master Plan

362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

PROJECT

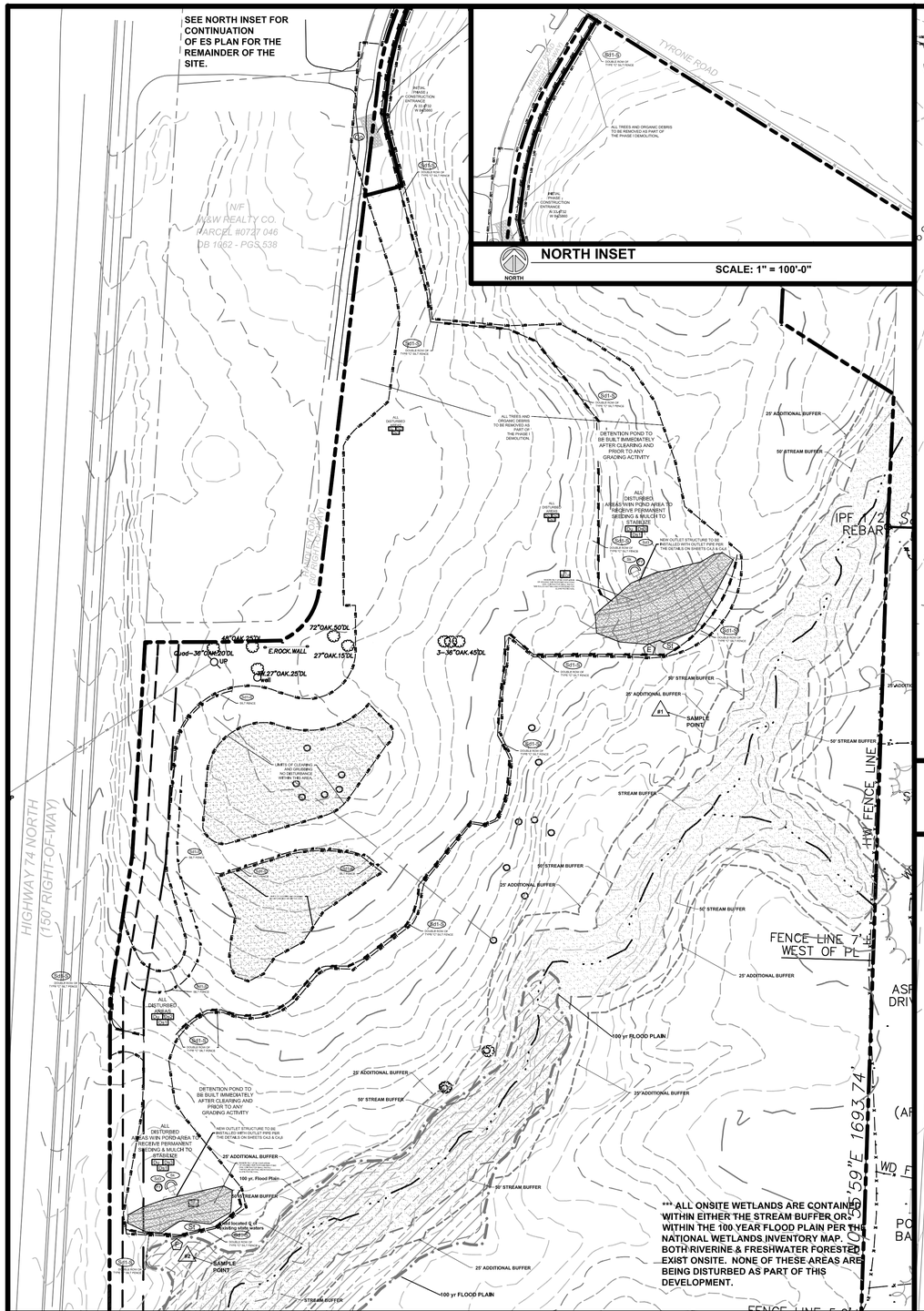
GEORGIA REGISTERED No. PE14656 PROFESSIONAL ENGINEER CLEVE E DRYDEN

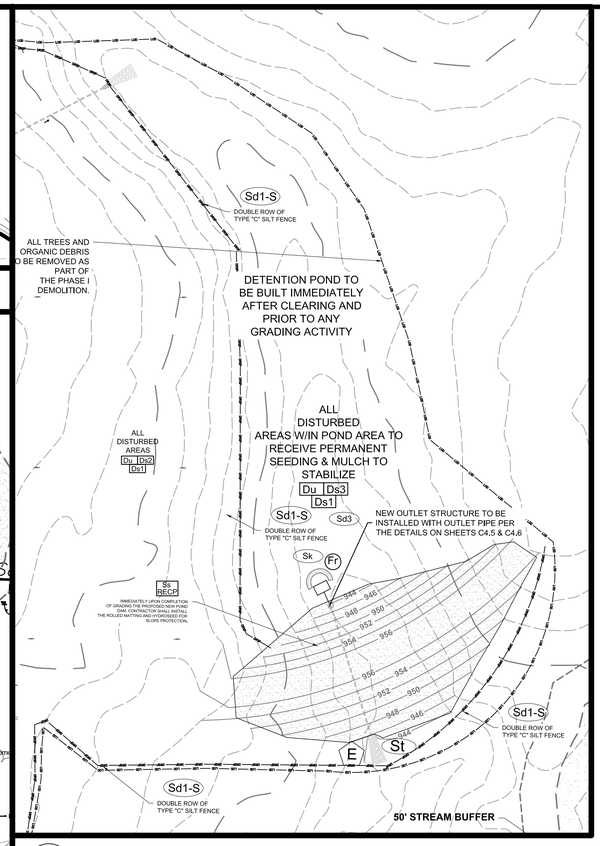
SEAL

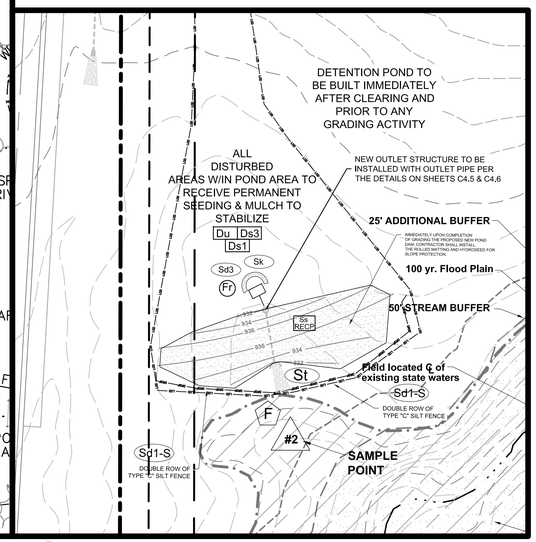
DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

EROSION CONTROL SEDIMENT TRAP DETAILS
C 5.1.1

SHEET







(CHECKLIST #19)
THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

(CHECKLIST #20)
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.

(CHECKLIST #21)
ANY DISTURBED AREA NOT UNDER ACTIVE CONSTRUCTION LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

CHECKLIST #45 — STORM PIPE, WIER VELOCITIES AND RIPRAP APRON SUMMARY (FROM FIG, 6-34.1 FROM SWDM)

STRUCTURE	PIPE DIA./ FLUME	Q-25 (cfs)	VELOCITY ft/sec	TAILWATER CONDITION	MIN. APRON LENGTH	WIDTH @ H.W.	DOWN-STREAM WIDTH	MAX STONE SIZE	STONE DEPTH
POND #1 H.W.	24"	1.42	0.45	MIN	10'	6.0'	12.0'	12"	18"
POND #2 H.W.	24"	7.51	2.39	MIN	10'	6.0'	12.0'	12"	18"

SKIMMER CALCS FOR POND #1 & #2

TO BE SHOWN ON THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN

When a FLOATING SURFACE SKIMMER is used, show the following information along with each sediment pond, trap or basin being used on the site:

1. Pond, trap or basin size, length* (top and bottom) width* (top and bottom) and depth = TOP 175' x 25', BOTTOM 78' x 8', DEPTH 4.5' / 5,445 cf Req'd / 5,971.8 cf provided.
2. Time to Drain (hrs) = 72 hours
3. Skimmer Dimensions (orifice and head size)** 1.5" orifice / 3" x 3' Head
4. Manufacturer's name Fairdoth Skimmers

*feet, ** inches

(Checklist Item #33) Appendix B rationale for outfall sampling points where applicable

SAMPLE POINT AREAS AND NTU VALUE				
SAMPLE POINT	SURFACE DRAINAGE AREA	SITE AREA	DRAINAGE AREA**	N.T.U.
#1	<10.25 SQ MI	56.26 AC	7.34 AC	50
#1	<4.99 SQ MI	56.26 AC	4.40 AC	50

(CHECKLIST #41)
STATE WATERS AND WETLANDS EXIST ON OR WITHIN 200' OF THE PROJECT LIMITS

CONCRETE TRUCK WASHING
ALL CONCRETE WASHOUT OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS, THE REAR OF THE VEHICLES AT THE CONSTRUCTION SITE SHALL BE CONTAINED.
NO DRUMS SHALL BE WASHED OUT ONSITE.

ALL PERSONS INVOLVED IN LAND DISTURBANCE ACTIVITIES MUST BE CERTIFIED IN EROSION AND SEDIMENT CONTROL BY THE GASWCC OR SUPERVISED BY SOMEONE WHO IS.

SEE SHEET C-5.1 FOR SOIL DATA

SEE SHEET C-5.6 FOR EROSION CONTROL BEST MANAGEMENT PRACTICES LEGEND OF SYMBOLS

ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED PER THE GEORGIA EROSION AND SEDIMENTATION CONTROL MANUAL (GREEN BOOK) STANDARDS AND SPECIFICATIONS

E & S LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- LOD — LIMITS OF DISTURBANCE
- SOIL BOUNDARY
- DRSF — DOUBLE ROW OF TYPE C SILT FENCING
- SILT FENCING (Sd1-S) (TYPE C)
- STANDARD INLET PROTECTION – TYPE P & F (Sd2)
- Co — STANDARD CONSTRUCTION ENTRANCE (Co)
- Fr — FILTER RING
- Rt — RETROFIT
- St — OUTLET PROTECTION
- Ds1 Ds2 Ds3 — VEGETATIVE STABILIZATION
- Du — DUST CONTROL
- Sk — SKIMMER DEVICE
- Cd-S — CHECK DAM
- Re — RETAINING WALL
- Su — SURFACE ROUGHING
- Sd3 — TEMP. SEDIMENT BASIN
- DI — DIVERSION
- Dn1 — TEMPORARY DOWN DRAIN

24-HOUR LOCAL EROSION, SEDIMENTATION & POLLUTION CONTROL (ESPC) CONTACT:

JOHN PETIT
PHONE NO.: (678) 898-1656

OWNER/DEVELOPER
BETHEL CHURCH OF ATLANTA, INC
1015 TYRONE ROAD
SUITE 810
TYRONE, GA 30290

PRIMARY PERMITTEE OPERATOR:
BETHEL CHURCH OF ATLANTA, INC
1015 TYRONE ROAD
SUITE 810
TYRONE, GA 30290

TOTAL TRACT AREA = 56.26

DISTURBED ACREAGE:
OVERALL DISTURBED AREA = 11.56 ACRES

GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION
GEORGIA REGISTERED No, PE14656 PROFESSIONAL ENGINEER CLEVE E DRYDEN
CLEVE E. DRYDEN, P.E.
CERT NO.: 0000075341
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Construction Documents
PREPARED FOR:

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25 PEACHTREE LAKE DRIVE
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CLIENT

#	DATE & BY
1	REV. PER COMMENTS 12.30.2017

BETHEL ATLANTA CHURCH
Master Plan

362 FARR ROAD
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FAYETTE COUNTY, GEORGIA
LAND LOT 118
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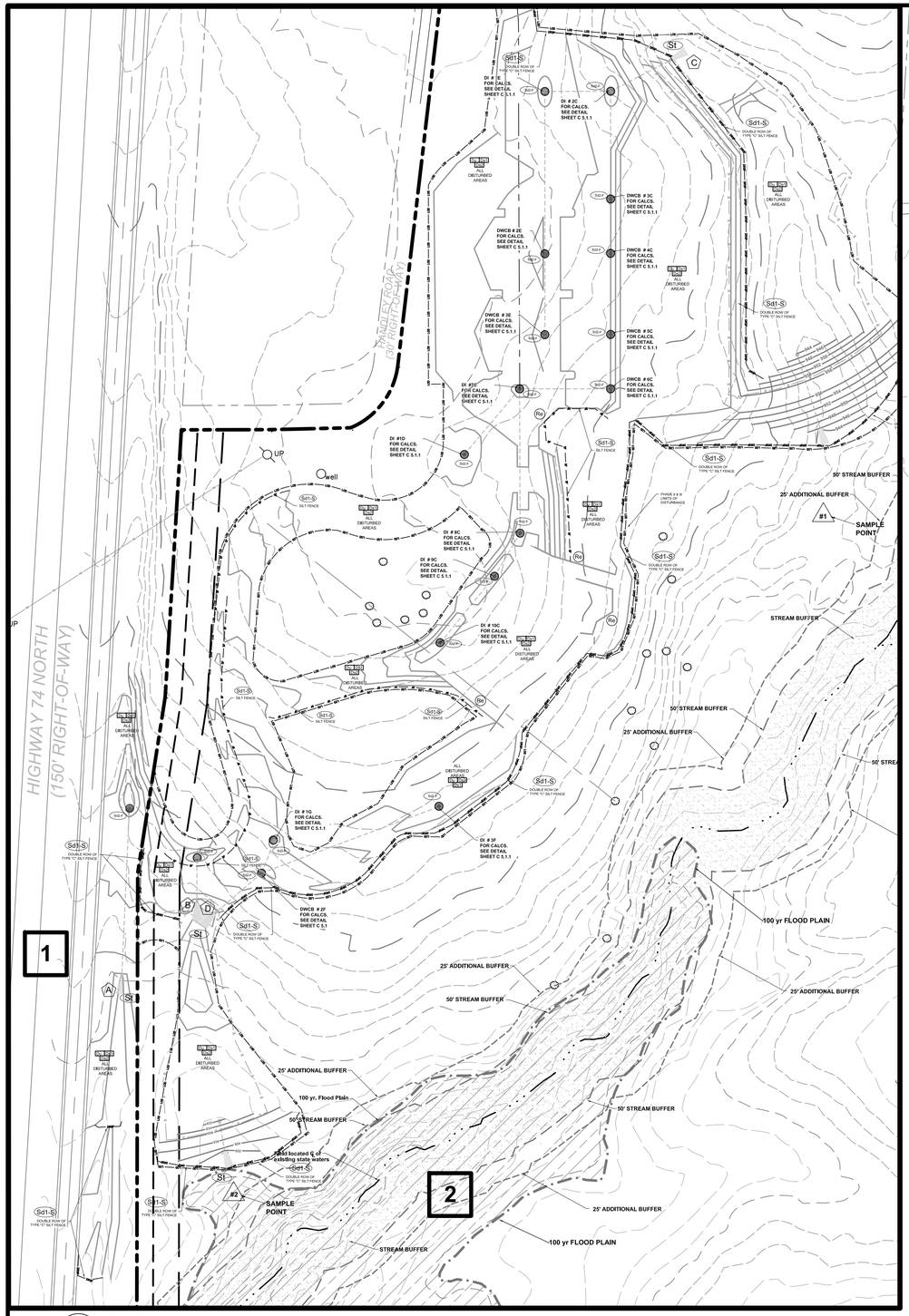
PROJECT

GEORGIA REGISTERED No, PE14656 PROFESSIONAL ENGINEER CLEVE E DRYDEN

SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

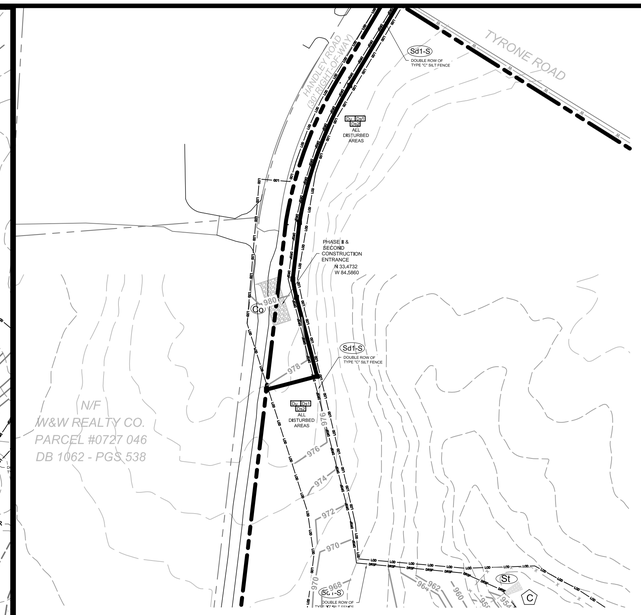
CLEARING & PH I EROSION CONTROL PLAN
C 5.2
SHEET



OVERALL PLAN

SCALE: 1" = 80'-0"

NORTH



NORTHERN INSET

SCALE: 1" = 80'-0"

NORTH

GENERAL EROSION NOTES:

1. ALL WORK SHOWN WITHIN THE GDOT RIGHT OF WAY CANNOT COMMENCE UNTIL A GEORGIA DEPARTMENT OF TRANSPORTATION PERMIT HAS BEEN ISSUED FOR THE PROPOSED DRIVEWAY.

2. *** ALL ONSITE WETLANDS ARE CONTAINED WITHIN EITHER THE STREAM BUFFER OR WITHIN THE 100 YEAR FLOOD PLAIN PER THE NATIONAL WETLANDS INVENTORY MAP. BOTH RIVERINE & FRESHWATER FORESTED EXIST ONSITE. NONE OF THESE AREAS ARE BEING DISTURBED AS PART OF THIS DEVELOPMENT.

FOR ALL PROPOSED CATCH BASINS SD2-F SEDIMENT TRAPS ARE TO BE INSTALLED AROUND THE STRUCTURES UNTIL THE CURB AND GUTTER HAS BEEN POURED, AT WHICH TIME THE SD2-F IS TO BE REPLACED BY A SD2-P SEDIMENT TRAP (I.E., CURB INLET PROTECTION).

CHECKLIST #45 STORM PIPE, WIER VELOCITIES AND RIPRAP APRON SUMMARY (FROM FIG. 6-34.1 FROM SWDM)

STRUCTURE	SYM.	PIPE DIA./ FLUME	Q-25 (cfs)	VELOCITY ft/sec	TAILWATER CONDITION	MIN. APRON LENGTH	WIDTH @ H.W.	DOWN-STREAM WIDTH	MAX STONE SIZE	STONE DEPTH
F,E,S, # 1A	(A)	24"	16,14	6,09	MIN	20'	6,0'	22,0'	12"	18"
F,E,S, # 1B	(B)	18"	0,44	5,46	MIN	10'	4,5'	11,5'	12"	16"
F,E,S, # 1C	(C)	24"	16.14	6,09	MIN	20'	6,0'	22,0'	12"	18"
F,E,S, # 1F	(D)	18"	6,55	5,02	MIN	10'	4,5'	11,5'	12"	18"
POND #1 H.W.	(E)	24"	1,42	0,45	MIN	10'	6.0'	12.0'	12"	18"
POND #2 H.W.	(F)	18"	7,51	2,39	MIN	10'	6,0'	12.0'	12"	18"

(CHECKLIST #19)
THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

(CHECKLIST #20)
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STATE WATERS AND WETLANDS EXIST ON OR WITHIN 200' OF THE PROJECT LIMITS

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ALL CONCRETE WASHOUT OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS, THE REAR OF THE VEHICLES AT THE CONSTRUCTION SITE SHALL BE CONTAINED.
NO DRUMS SHALL BE WASHED OUT ONSITE.

SEE SHEET C-5.1 FOR SOIL DATA

SEE SHEET C-5.6 FOR EROSION CONTROL BEST MANAGEMENT PRACTICES LEGEND OF SYMBOLS

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PRIMARY PERMITTEE OPERATOR:

TOTAL TRACT AREA = 56.26

DISTURBED ACREAGE:
OVERALL DISTURBED AREA = 11.56 ACRES

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- SILT FENCING (Sd1–S) (TYPE C)
- STANDARD INLET PROTECTION – TYPE P & F (Sd2)
- Co — STANDARD CONSTRUCTION ENTRANCE (Co)
- Fr — FILTER RING
- Rt — RETROFIT
- St — OUTLET PROTECTION
- Ds1 Ds2 Ds3 — VEGETATIVE STABILIZATION
- Du — DUST CONTROL
- Sk — SKIMMER DEVICE
- Cd-S — CHECK DAM
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- Di — DIVERSION
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DESIGN OFFICE:

Construction Documents
PREPARED FOR:

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1	REV. PER COMMENTS 12.30.2017

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Master Plan

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LAND LOT 118
7th DISTRICT

PROJECT

GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION

GEORGIA REGISTERED No. PE14655 PROFESSIONAL ENGINEER CLEVE E DRYDEN

CLEVE E. DRYDEN, P.E.
CERT NO.: 0000075341
EXPIRATION DATE: 10/23/2018

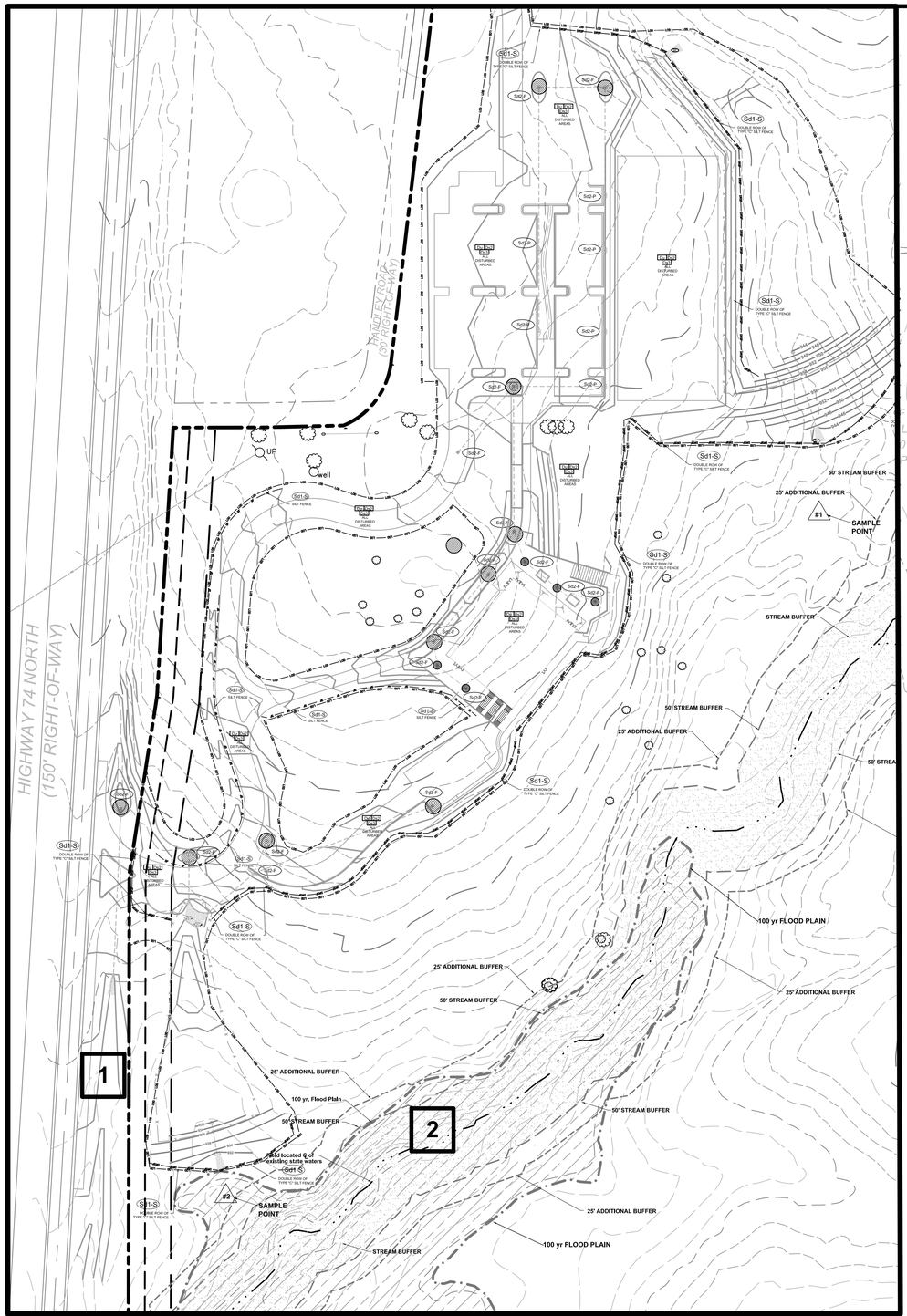
GEORGIA REGISTERED No. PE14655 PROFESSIONAL ENGINEER CLEVE E DRYDEN

SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.1200 Church Master CP.dwg
SCALE: AS SHOWN

PHASE II EROSION CONTROL PLAN
C 5.3

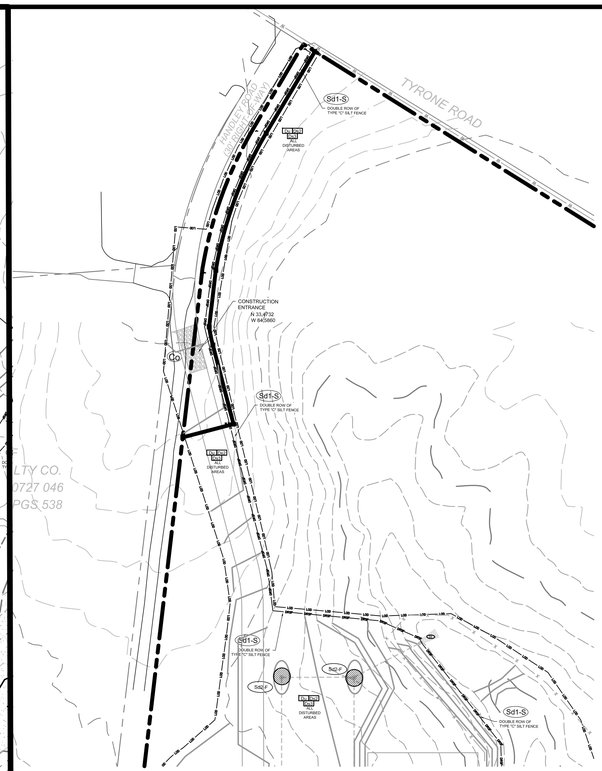
SHEET



OVERALL PLAN

SCALE: 1" = 80'-0"

NORTH



NORTHERN INSET

SCALE: 1" = 80'-0"

NORTH

GENERAL EROSION NOTES:

1. ALL WORK SHOWN WITHIN THE GDOT RIGHT OF WAY CANNOT COMMENCE UNTIL A GEORGIA DEPARTMENT OF TRANSPORTATION PERMIT HAS BEEN ISSUED FOR THE PROPOSED DRIVEWAY.

2. *** ALL ONSITE WETLANDS ARE CONTAINED WITHIN EITHER THE STREAM BUFFER OR WITHIN THE 100 YEAR FLOOD PLAIN PER THE NATIONAL WETLANDS INVENTORY MAP. BOTH RIVERINE & FRESHWATER FORESTED EXIST ONSITE. NONE OF THESE AREAS ARE BEING DISTURBED AS PART OF THIS DEVELOPMENT.

CONCRETE TRUCK WASHING
AT THE CONSTRUCTION SITE, ALL CONCRETE WASHOUT OF TOOLS, CHUTES, HOPPERS, AND REAR OF VEHICLES SHALL BE CONTAINED ONSITE AT THE LOCATION IDENTIFIED IN THE PLANS. THE MIXER DRUM SHALL NOT BE WASHED OUT ONSITE.

(CHECKLIST #19)
THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

(CHECKLIST #20)
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.

(CHECKLIST #21)
ANY DISTURBED AREA NOT UNDER ACTIVE CONSTRUCTION LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

(CHECKLIST #41)
STATE WATERS AND WETLANDS EXIST ON OR WITHIN 200' OF THE PROJECT LIMITS

CONCRETE TRUCK WASHING
ALL CONCRETE WASHOUT OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS, THE REAR OF THE VEHICLES AT THE CONSTRUCTION SITE SHALL BE CONTAINED.
NO DRUMS SHALL BE WASHED OUT ONSITE.

ALL PERSONS INVOLVED IN LAND DISTURBANCE ACTIVITIES MUST BE CERTIFIED IN EROSION AND SEDIMENT CONTROL BY THE GASWCC OR SUPERVISED BY SOMEONE WHO IS.

SEE SHEET C-5.1 FOR SOIL DATA

SEE SHEET C-5.6 FOR EROSION CONTROL BEST MANAGEMENT PRACTICES LEGEND OF SYMBOLS

ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED PER THE GEORGIA EROSION AND SEDIMENTATION CONTROL MANUAL (GREEN BOOK) STANDARDS AND SPECIFICATIONS

FOR ALL PROPOSED CATCH BASINS SD2-F SEDIMENT TRAPS ARE TO BE INSTALLED AROUND THE STRUCTURES UNTIL THE CURB AND GUTTER HAS BEEN POURED, AT WHICH TIME THE SD2-F IS TO BE REPLACED BY A SD2-P SEDIMENT TRAP (I.E., CURB INLET PROTECTION).

24-HOUR LOCAL EROSION, SEDIMENTATION & POLLUTION CONTROL (ESPC) CONTACT:

JOHN PETIT
PHONE NO.: (678) 898-1656

OWNER/DEVELOPER
BETHEL CHURCH OF ATLANTA, INC
1015 TYRONE ROAD
SUITE 810
TYRONE, GA 30290

PRIMARY PERMITTEE OPERATOR:

TOTAL TRACT AREA = 56.26

DISTURBED ACREAGE:
OVERALL DISTURBED AREA = 11.56 ACRES

E & S LEGEND

- *EXISTING CONTOUR*
- *PROPOSED CONTOUR*
- LOD — *LIMITS OF DISTURBANCE*
- *SOIL BOUNDARY*
- DRSF — *DOUBLE ROW OF TYPE C SILT FENCING*
- *SILT FENCING (Sd1–S) (TYPE C)*
- *STANDARD INLET PROTECTION – TYPE P & F (Sd2)*
- Co — *STANDARD CONSTRUCTION ENTRANCE (Co)*
- Fr — *FILTER RING*
- Rt — *RETROFIT*
- St — *OUTLET PROTECTION*
- Ds1 Ds2 Ds3 — *VEGETATIVE STABILIZATION*
- Du — *DUST CONTROL*
- Sk — *SKIMMER DEVICE*
- Cd-S — *CHECK DAM*
- Re — *RETAINING WALL*
- Su — *SURFACE ROUGHING*
- Sd3 — *TEMP. SEDIMENT BASIN*
- Di — *DIVERSION*
- Dn1 — *TEMPORARY DOWN DRAIN*

Omni
Consulting Services
Atlanta Tallahassee
Jacksonville Washington D.C.
401 Westpark Court, Suite 200
Peachtree City, GA 30269
ph: 770.302.1701
fax: 770.818.5663
DESIGN OFFICE:

Construction Documents
PREPARED FOR:

JOHN PETTIT
25 PEACHTREE LAKE DRIVE
SHARPBURG, GA 30277

CLIENT

#	DATE & BY
1	REV. PER COMMENTS 12.30.2017

BETHEL ATLANTA CHURCH
Master Plan

362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

PROJECT

GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION

GEORGIA REGISTERED No. PE14656 PROFESSIONAL ENGINEER CLEVE E DRYDEN

CLEVE E. DRYDEN, P.E.
CERT NO.: 0000075341
EXPIRATION DATE: 10/23/2018

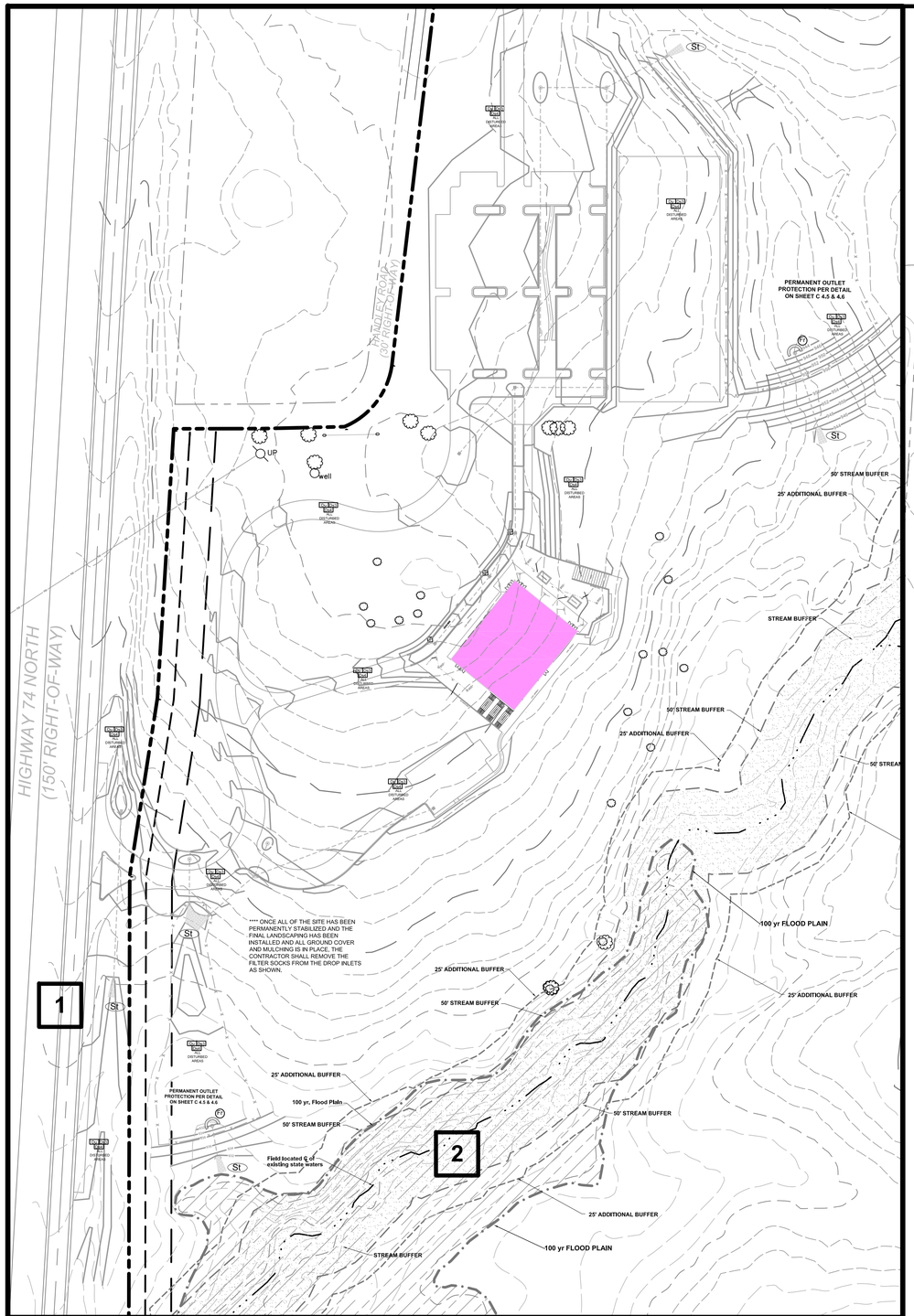
GEORGIA REGISTERED No. PE14656 PROFESSIONAL ENGINEER CLEVE E DRYDEN

SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

PHASE III EROSION CONTROL PLAN
C 5.4

SHEET



OVERALL PLAN

SCALE: 1" = 80'-0"

NORTH

NORTHERN INSET

SCALE: 1" = 80'-0"

NORTH

GENERAL EROSION NOTES:

1. ALL WORK SHOWN WITHIN THE GDOT RIGHT OF WAY CANNOT COMMENCE UNTIL A GEORGIA DEPARTMENT OF TRANSPORTATION PERMIT HAS BEEN ISSUED FOR THE PROPOSED DRIVEWAY.

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- LOD — LIMITS OF DISTURBANCE
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- DRSF — DOUBLE ROW OF TYPE C SILT FENCING
- SILT FENCING (Sd1–S) (TYPE C)
- STANDARD INLET PROTECTION – TYPE P & F (Sd2)
- Co — STANDARD CONSTRUCTION ENTRANCE (Co)
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Master Plan

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FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

PROJECT

GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION

GEORGIA REGISTERED No. PE14650 PROFESSIONAL ENGINEER CLEVE E DRYDEN

CLEVE E. DRYDEN, P.E.
CERT NO.: 0000075341
EXPIRATION DATE: 10/23/2018

GEORGIA REGISTERED No. PE14650 PROFESSIONAL ENGINEER CLEVE E DRYDEN

SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

PHASE IV - FINAL EROSION CONTROL PLAN
C 5.5
SHEET

FERTILIZER SCHEDULE

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
COOL SEASON GRASSES	FIRST SECOND MAIN.	6-12-12 6-12-12 10-10-10	1500 LBS/AC 1000 LBS/AC 400 LBS/AC	50-100 LBS/AC
COOL SEASON LEGUMES	FIRST SECOND MAIN.	6-12-12 0-10-10 0-10-10	1500 LBS/AC 1000 LBS/AC 400 LBS/AC	0-50 LBS/AC
GROUND COVERS	FIRST SECOND MAIN	10-10-10 10-10-10 10-10-10	1300 LBS/AC 1300 LBS/AC 1100 LBS/AC	
PINE SEEDLINGS	FIRST	20-10-5	ONE 21-GRAM PELLET PER HOLE	
SHRUB LESPEDEZA	FIRST MAIN	0-10-10 0-10-10	700 LBS/AC 700 LBS/AC	
TEMP. COVER CROPS SEEDED ALONE	FIRST	10-10-10	500 LBS/AC	30 LBS/AC
WARM SEASON GRASSES	FIRST SECOND MAIN	6-12-12 6-12-12 10-10-10	1500 LBS/AC 1000 LBS/AC 400 LBS/AC	50-100 LBS/AC 50-100 LBS/AC 30 LBS/AC
WARM SEASON LEGUMES	FIRST SECOND MAIN.	6-12-12 0-10-10 0-10-10	1500 LBS/AC 1000 LBS/AC 400 LBS/AC	0-50 LBS/AC

Ds2 — TEMPORARY SEEDING

PLANTS, PLANTING RATES, AND PLANTING DATES FOR TEMPORARY COVER OR COMPANION CROPS

SPECIES	BROADCAST Rates per Acre	PLS per 1000 SF	RESOURCE (Darker shades indicate optimum dates, and lighter shades indicate permissible but marginal dates.)	REMARKS
MILLET, BROWNTOP (Panicum fasciculatum) ALONE .... IN MIXTURES	 40 lbs. 10 lbs.	 0.9 lb. 0.2 lb.	MOUNTAINS / SOUTHERN PIEDMONT / SOUTHERN COASTAL PLAIN (J F M A M J J A S O N D chart)	137,000 SEED PER POUND QUICK DENSE COVER WILL PROVIDE TOO MUCH COMPETITION IN MIXTURES IF SEEDED AT HIGH RATES
RYE (Secale cereale) ALONE .... IN MIXTURES	 3 bu. (168 lbs.) 1/2 bu. (28 lbs.)	 3.9 lb. 0.6 lb.	MOUNTAINS / SOUTHERN PIEDMONT / SOUTHERN COASTAL PLAIN (J F M A M J J A S O N D chart)	18,000 SEED PER POUND DENSE COVER DROUGHT TOLERANT AND WINTER-HARDY
RYEGRASS, ANNUAL (Lolium temulentum) ALONE	 40 lbs.	 0.9 lb.	MOUNTAINS / SOUTHERN PIEDMONT / SOUTHERN COASTAL PLAIN (J F M A M J J A S O N D chart)	227,000 SEED PER POUND DENSE COVER VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES

Ds3 — PERMANENT SEEDING/SODDING

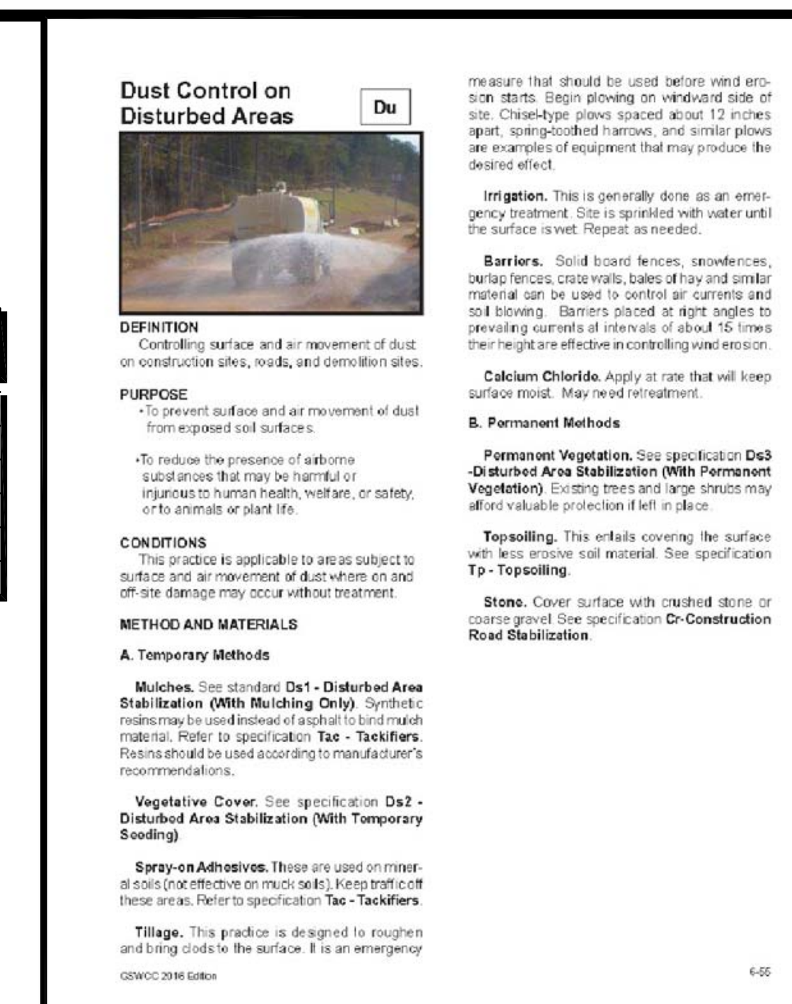
PLANTS, PLANTING RATES, AND PLANTING DATES FOR TEMPORARY COVER OR COMPANION CROPS

SPECIES	BROADCAST Rates per Acre	PLS per 1000 SF	RESOURCE (Darker shades indicate optimum dates, and lighter shades indicate permissible but marginal dates.)	REMARKS
BERMUDA, COMMON (Cynodon dactylon) Hulled Seed ALONE .... WITH OTHER PERENNIALS..........	 10 lbs. 6 lbs.	 0.2 lb. 0.1 lb.	SOUTHERN PIEDMONT / SOUTHERN COASTAL PLAIN (J F M A M J J A S O N D chart)	1,787,000 SEED PER POUND QUICK COVER LOW GROWING AND SOD FORMING FULL SUN GOOD FOR ATHLETIC FIELDS
BERMUDA, COMMON (Cynodon dactylon) Unhulled Seed WITH TEMPORARY COVER.......... WITH OTHER PERENNIALS..........	 10 lbs. 6 lbs.	 0.2 lb. 0.1 lb.	SOUTHERN PIEDMONT / SOUTHERN COASTAL PLAIN (J F M A M J J A S O N D chart)	PLANT WITH WINTER ANNUALS PLANT WITH TALL FESCUE

Ds1 — TEMPORARY MULCHING AND Ds1a — PERMANENT MULCHING

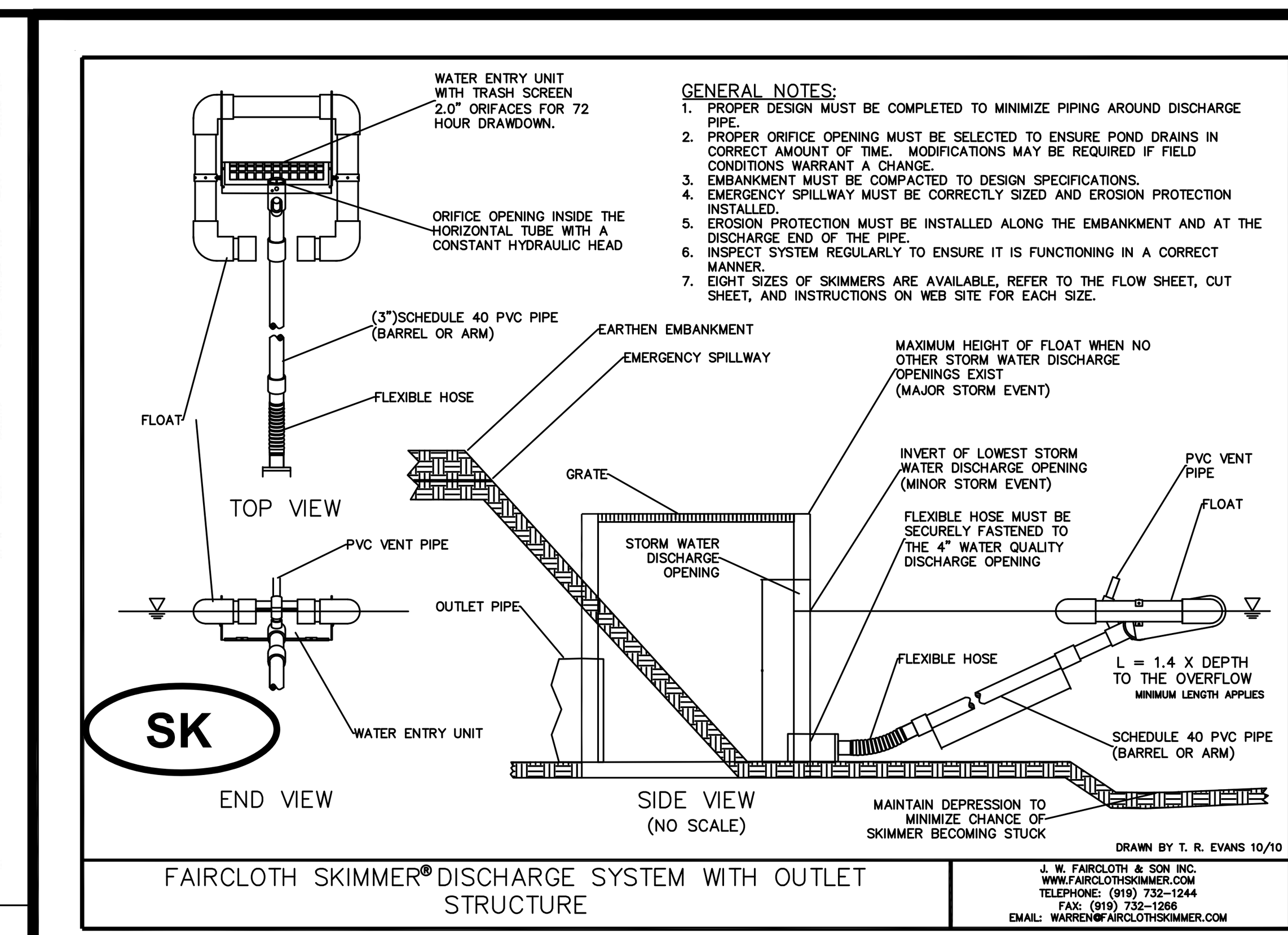
MULCHING APPLICATION REQUIREMENTS

MATERIAL	RATE	DEPTH
Straw or hay	2 1/2Ton/Acre	6" TO 10"
Wood waste, chips, sawdust, bark	6 to 9 Ton/Acre	2" TO 3"
Cutback asphalt	1200 gal./acre or 1/4 gal./sq.yd.	
Polyethylene film	Secure with soil, anchors, weights	
Cutback asphalt	See manufacturer's recommendations	
Geotextiles, jute matting, netting, etc.		



GSWCC 2016 Edition 6-55

15. **DUST CONTROL (DU) NOTES**:
*SPRAY ON ADHESIVES: THESE ARE USED ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS.
*TILLAGE: THIS PRACTICE IS DESIGNED TO ROUGHED AND BRING CLODS TO THE SURFACE. IT IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE WIND EROSION STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL TYPE PLOWS SPACED ABOUT 12 INCHES APART, SPRING TOOTHED HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
*IRRIGATION: THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED.
*BARRIERS: SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLE TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 15 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING WIND EROSION.
*CALCIUM CHLORIDE: APPLY AT A RATE THAT WILL KEEP SURFACE MOIST. MAY NEED PRETREATMENT. FOR USE ON ROADWAY AREAS ONLY.



SK

FAIRCLOTH SKIMMER® DISCHARGE SYSTEM WITH OUTLET STRUCTURE

J. W. FAIRCLOTH & SON INC.
WWW.FAIRCLOTHSKIMMER.COM
TELEPHONE: (919) 732-1244
FAX: (919) 732-1266
EMAIL: WARREN@FAIRCLOTHSKIMMER.COM

DRAWN BY T. R. EVANS 10/10

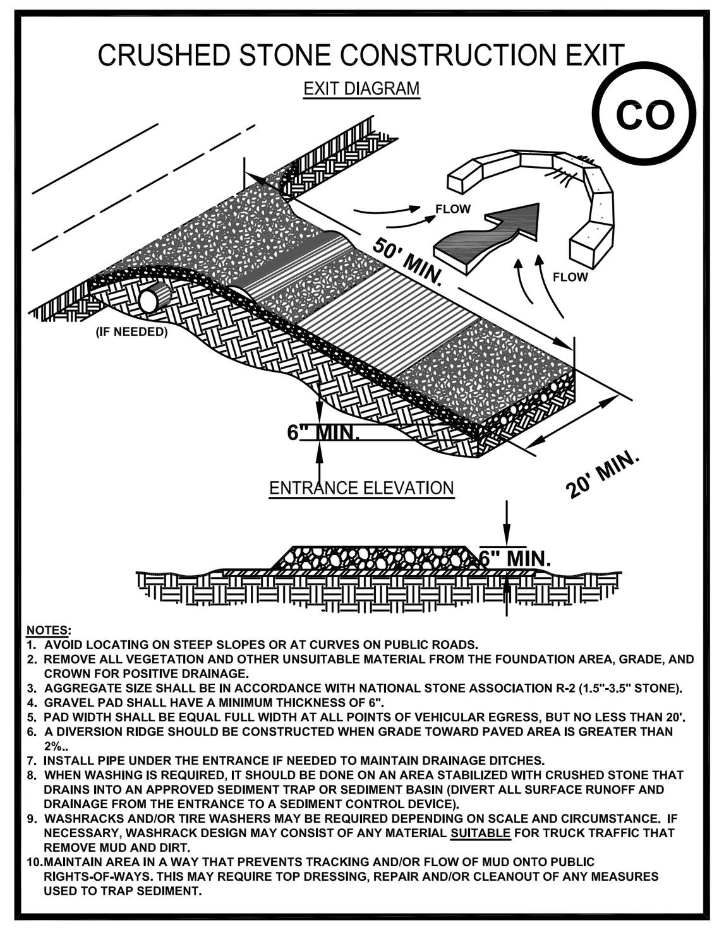
TO BE SHOWN ON THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN

When a FLOATING SURFACE SKIMMER is used, show the following information along with each sediment pond, trap or basin being used on the site:

1. Pond, trap or basin size, length* (top and bottom) width* (top and bottom) and depth = TOP 175' x 25', BOTTOM 78' x 6', DEPTH 4.5' / 5,445 cf Req'd / 5,971.8 cf provided.
2. Time to Drain (hrs) = 72 hours
3. Skimmer Dimensions (orifice and head size)** 1.5" oriface / 3' x 3' Head
4. Manufacturer's name Faircloth Skimmers

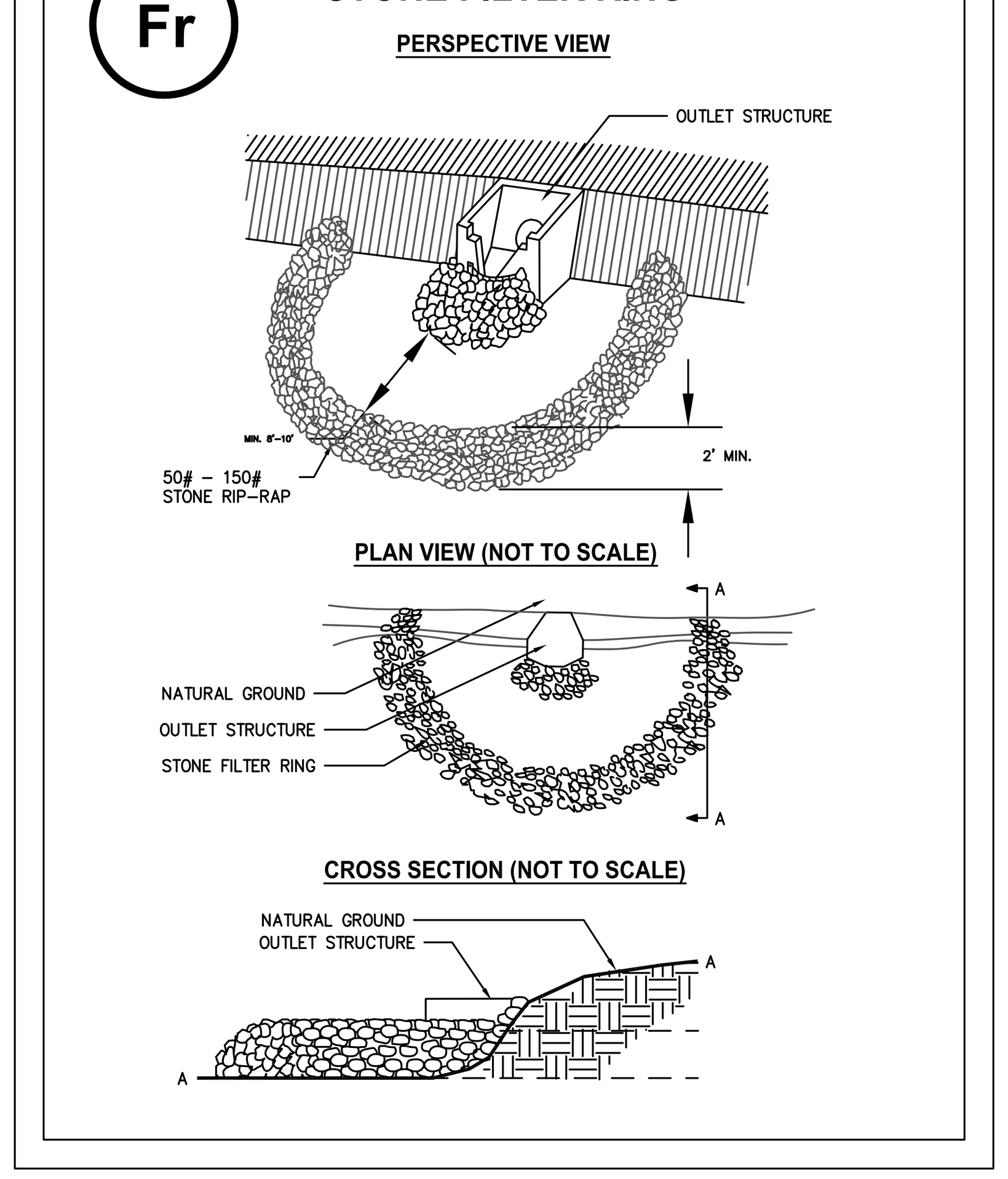
*feet, ** inches

CRUSHED STONE CONSTRUCTION EXIT



CO

STONE FILTER RING



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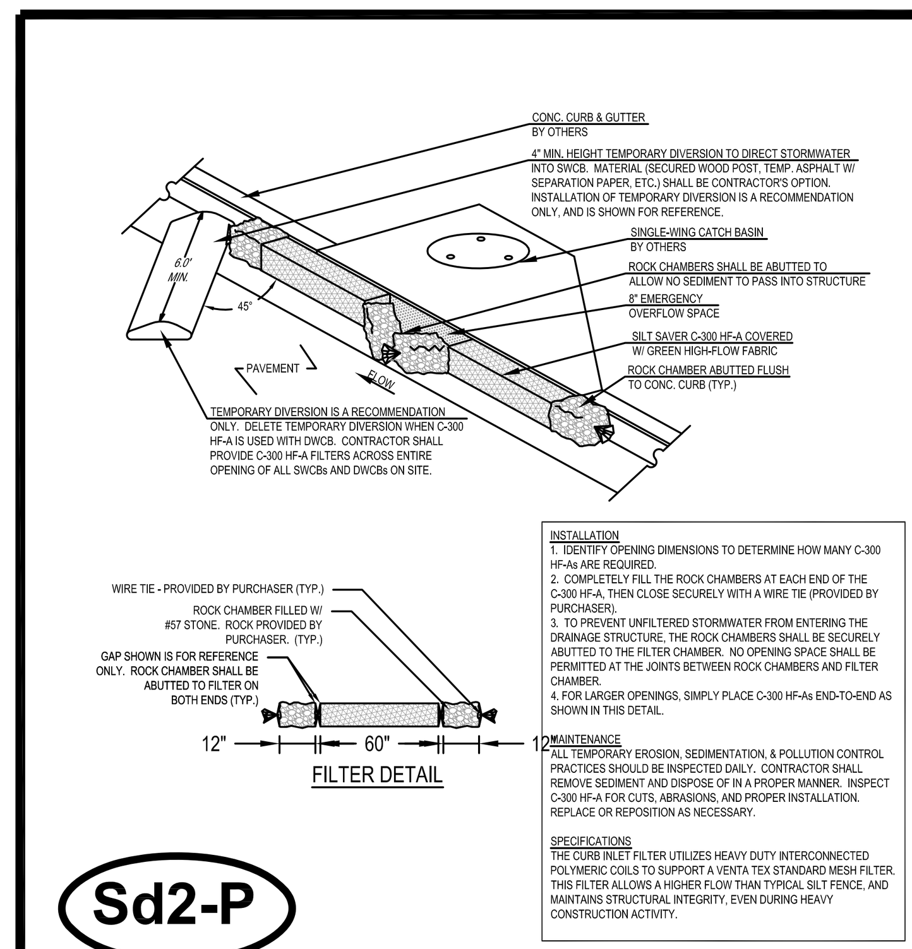
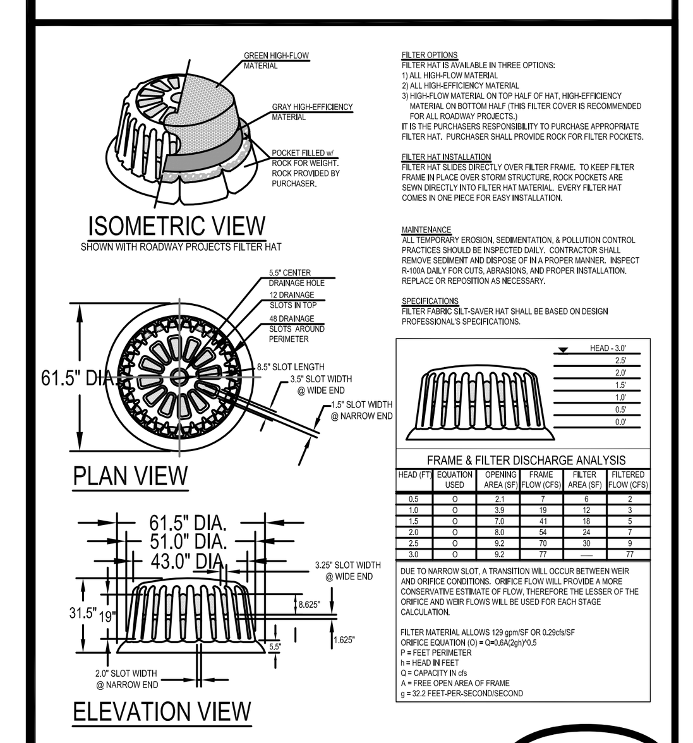
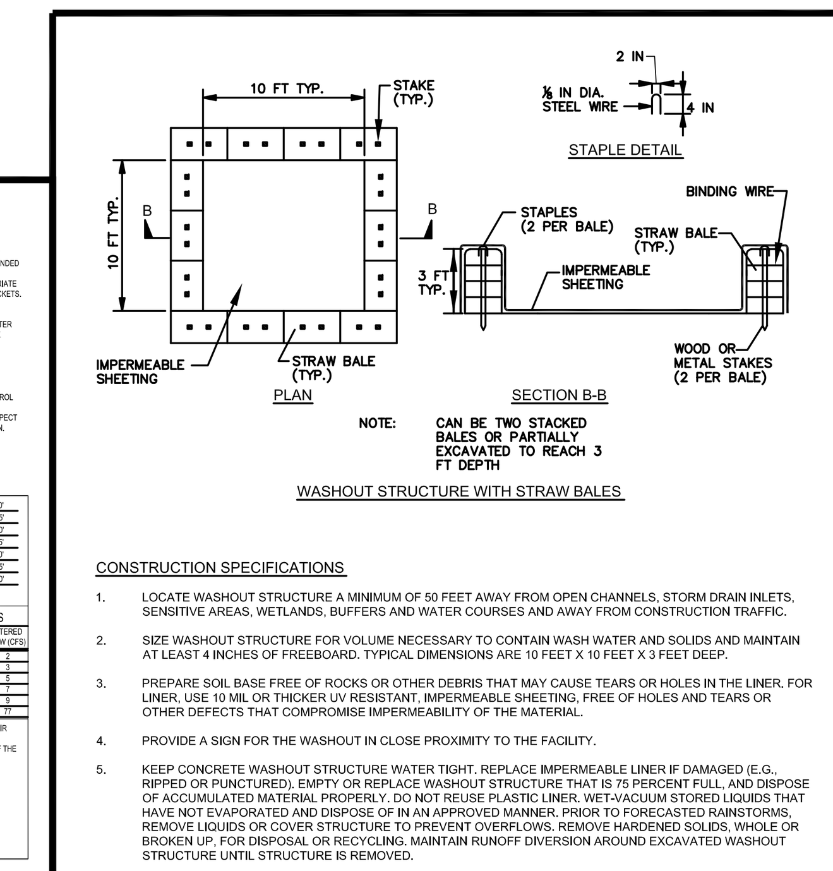


Sd2-P

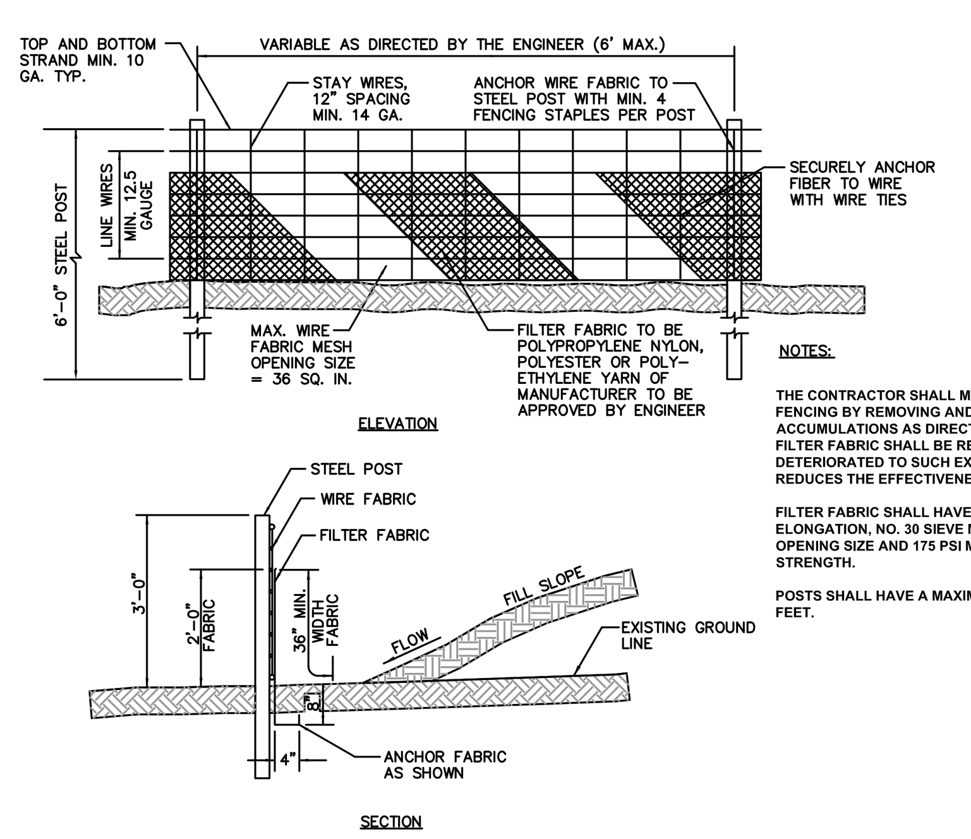
CURB INLET FILTER "PIGS IN BLANKET" N.T.S



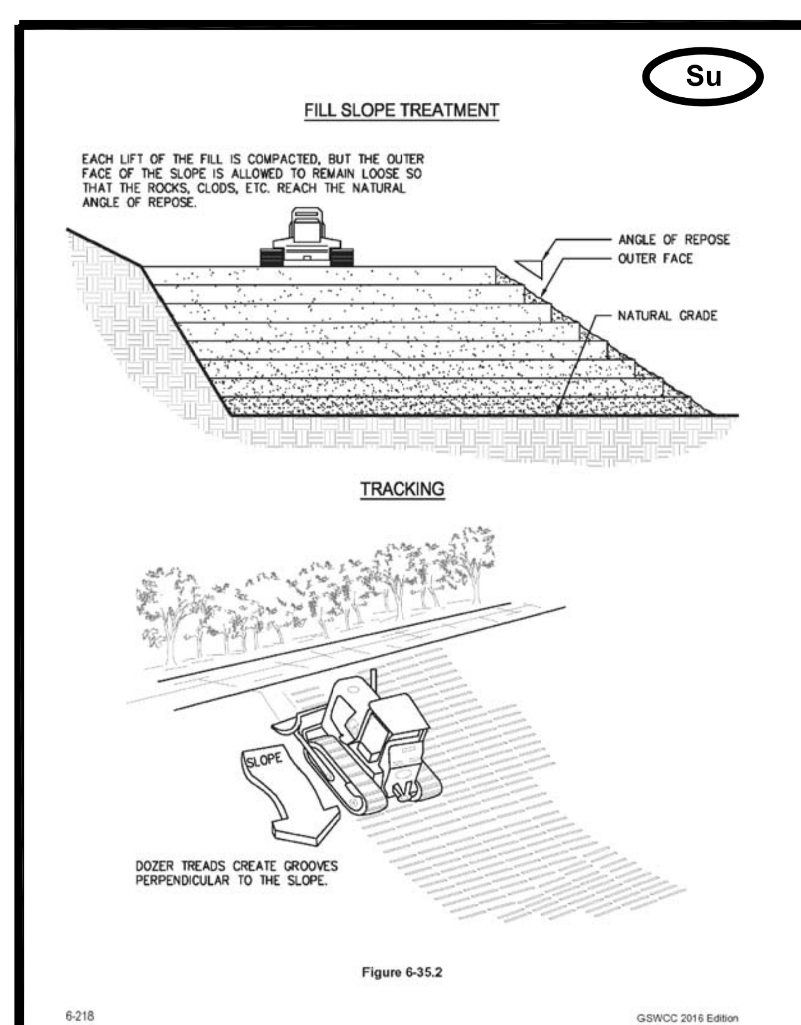
TYPE "A" INLET PROTECTION N.T.S Sd2-F



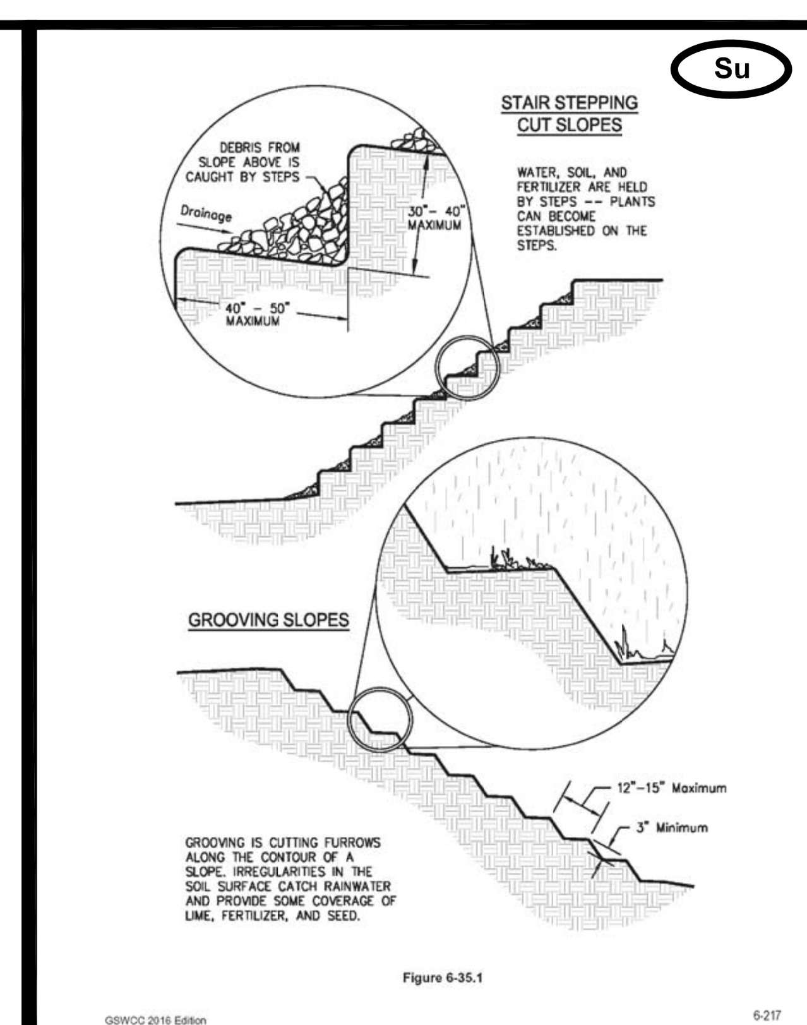
CONCRETE WASHOUT N.T.S.



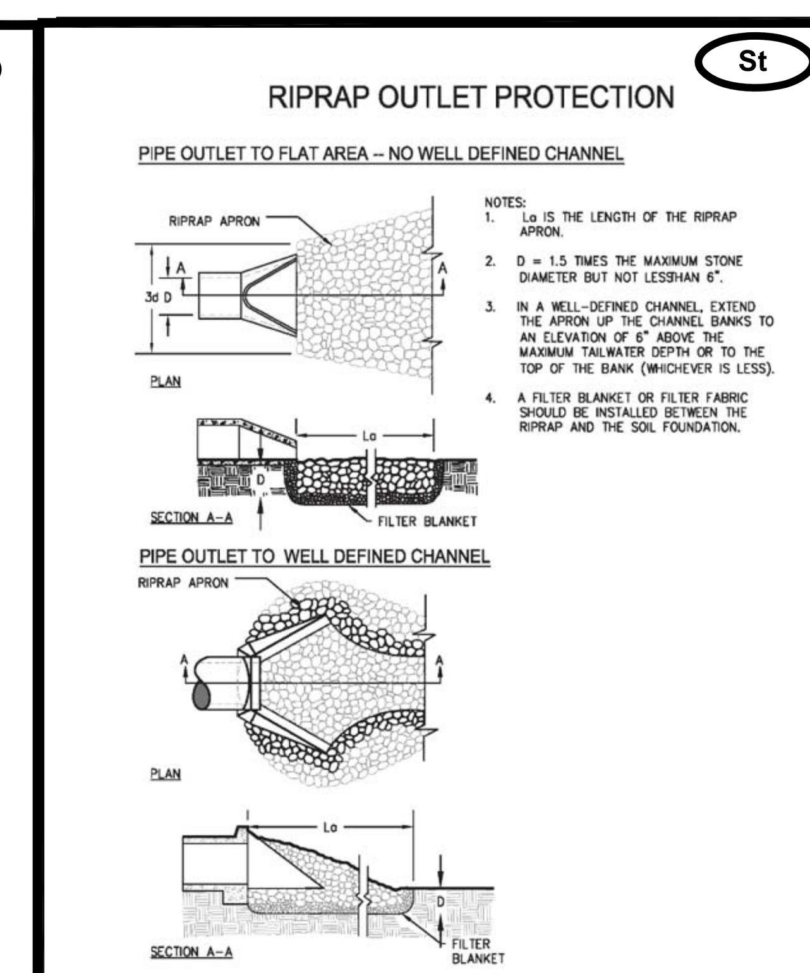
SEDIMENT BARRIER Sd1-S
SENSITIVE AREA N.T.S.



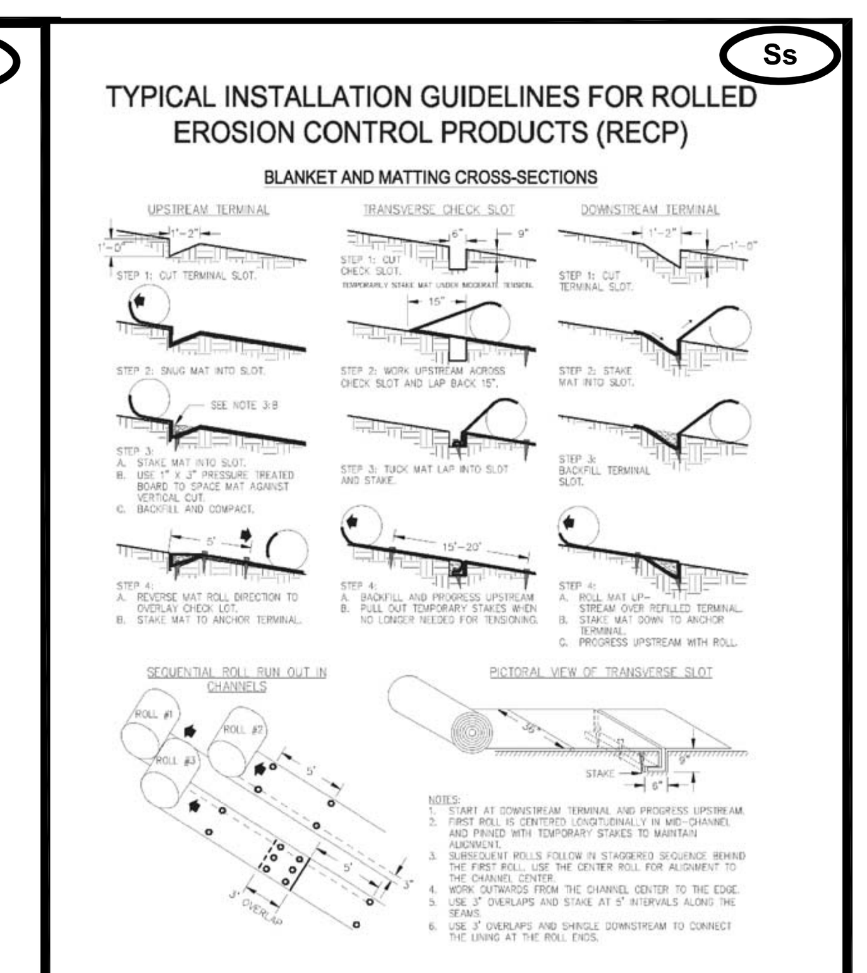
Su — Figure 6-35.2



Su — Figure 6-35.1



St — RIPRAP OUTLET PROTECTION
Figure 6-24.3 - Riprap Outlet Protection (Modified From Va SWCC)



Ss — TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP)
Figure 6-10.1 - Typical Installation Guidelines for Matting and Blankets

Omni Consulting Services
Atlanta Tallahassee
Jacksonville Washington D.C.
401 Westpark Court, Suite 200
Peachtree City, GA 30269
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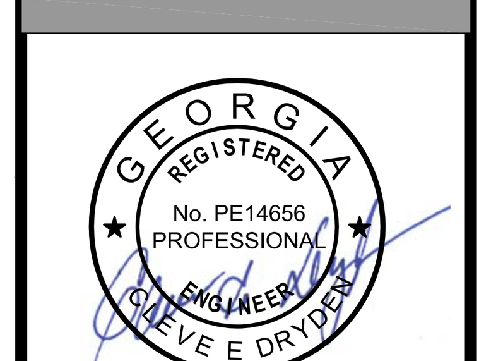
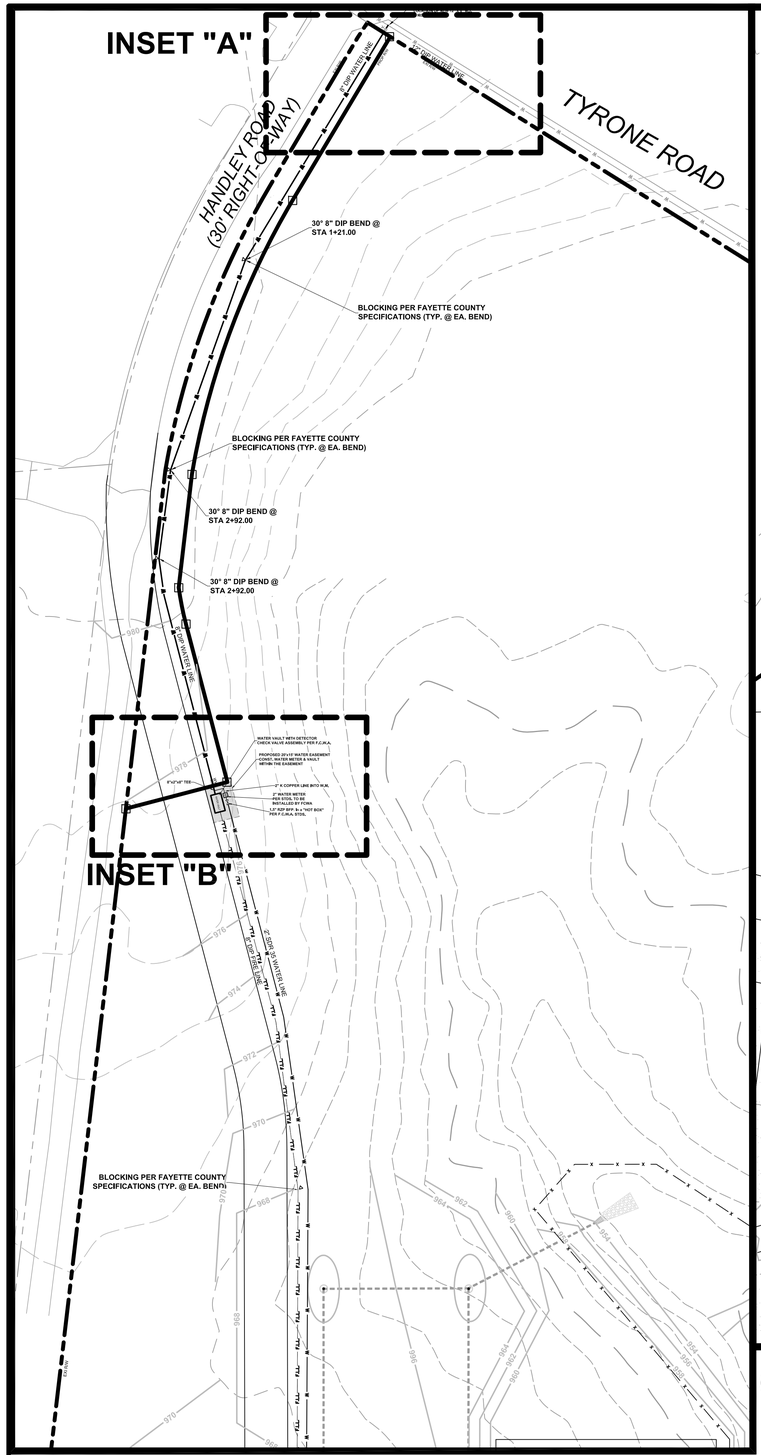


SEAL

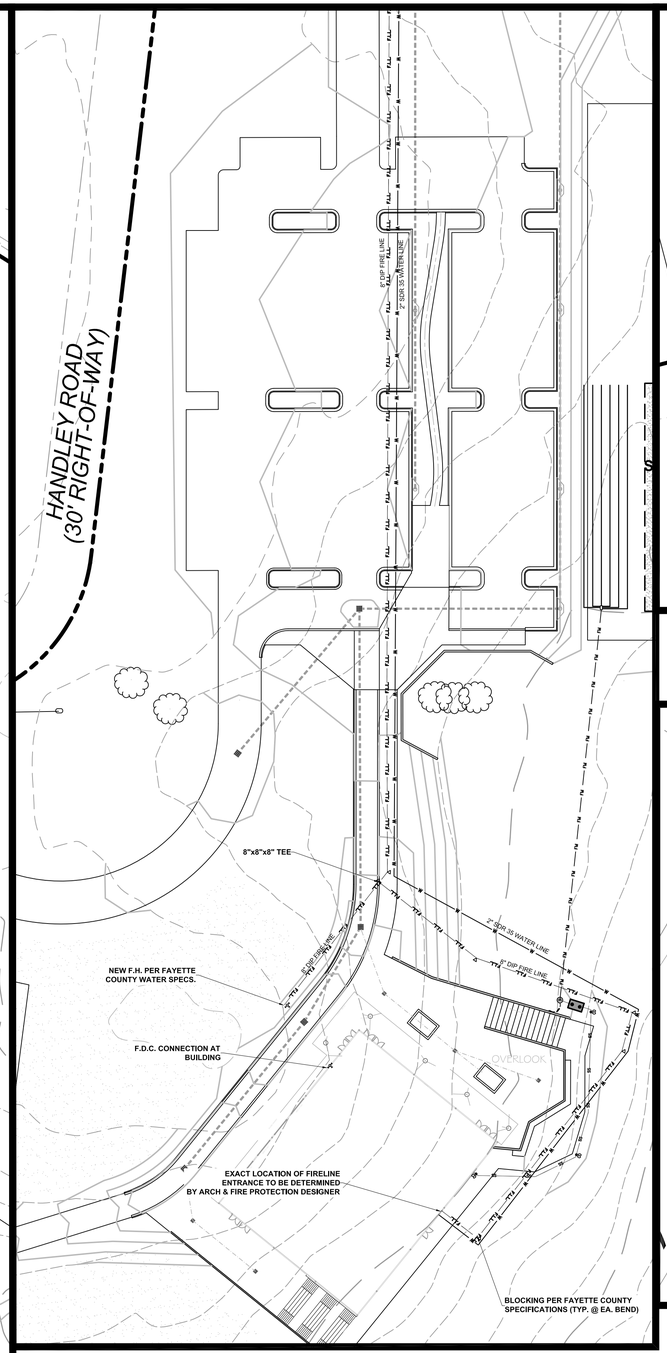
DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

EROSION CONTROL DETAILS
C 5.6
SHEET



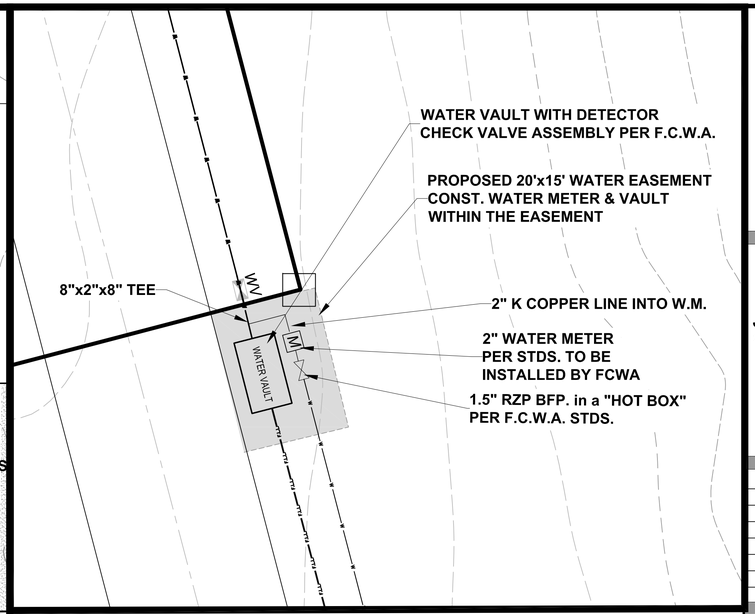
OFFSITE WATERLINE PLAN

SCALE: 1" = 40'



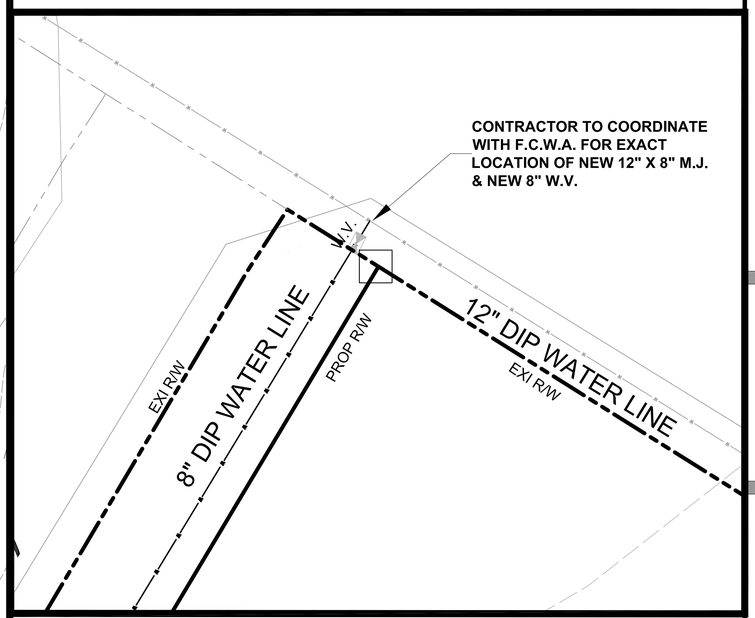
ONSITE FIRE AND WATERLINE PLAN

SCALE: 1" = 40'



INSET "B"

SCALE: 1" = 10'



INSET "A"

SCALE: 1" = 10'

Omni
Consulting Services
Atlanta Tallahassee
Jacksonville Washington D.C.
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PROJECT

NORTH

GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. PE14668
CLEVE E DRYDEN

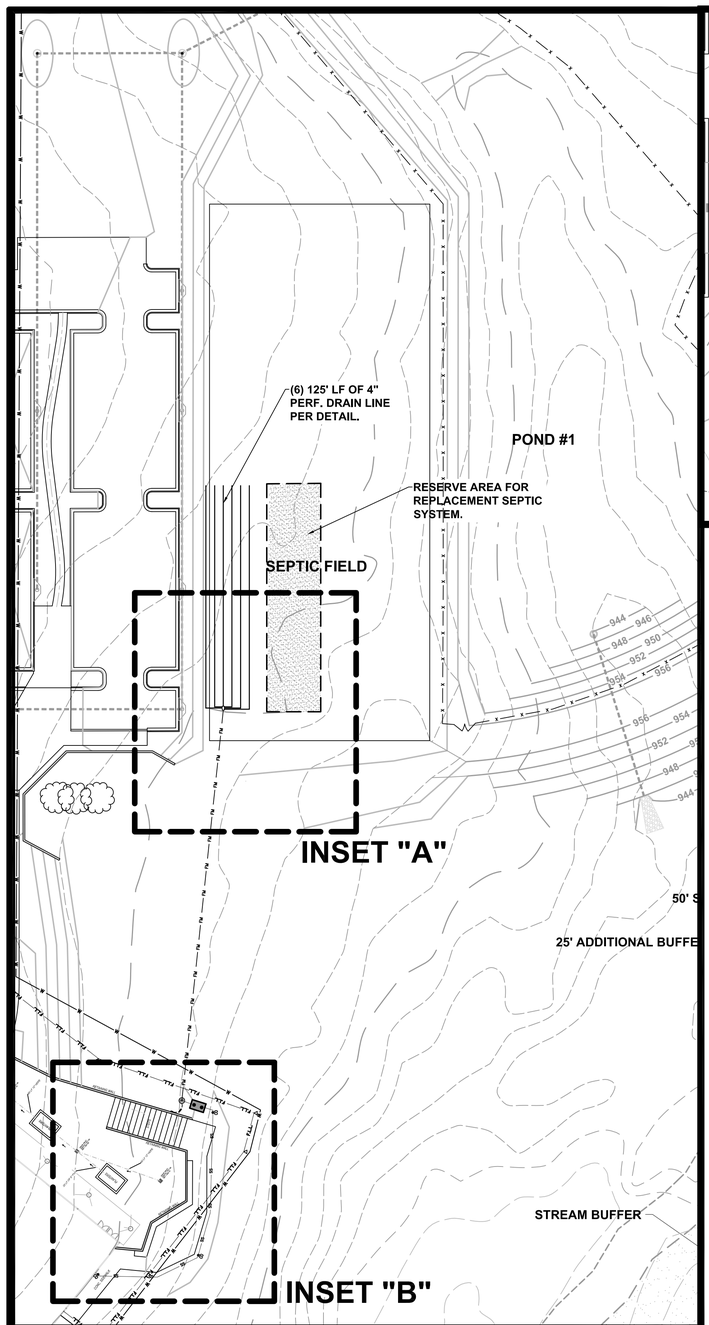
SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

WATER SERVICE & FIRE LINE PLAN

C 6.0

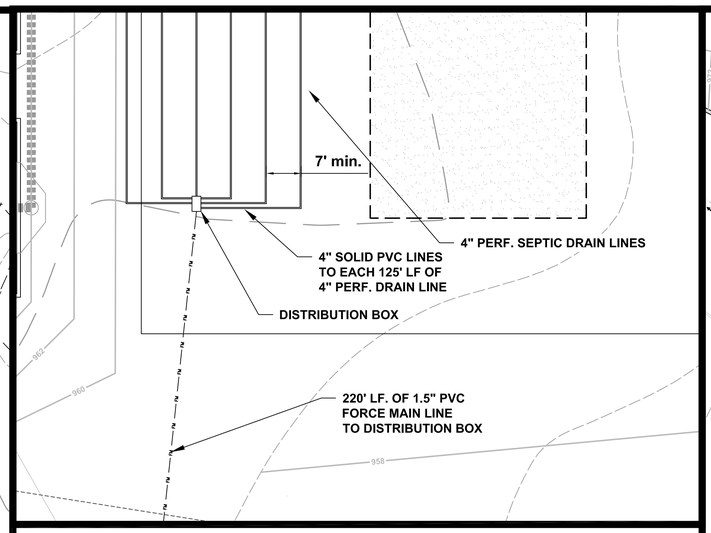
SHEET



NORTH

OFFSITE WATERLINE PLAN

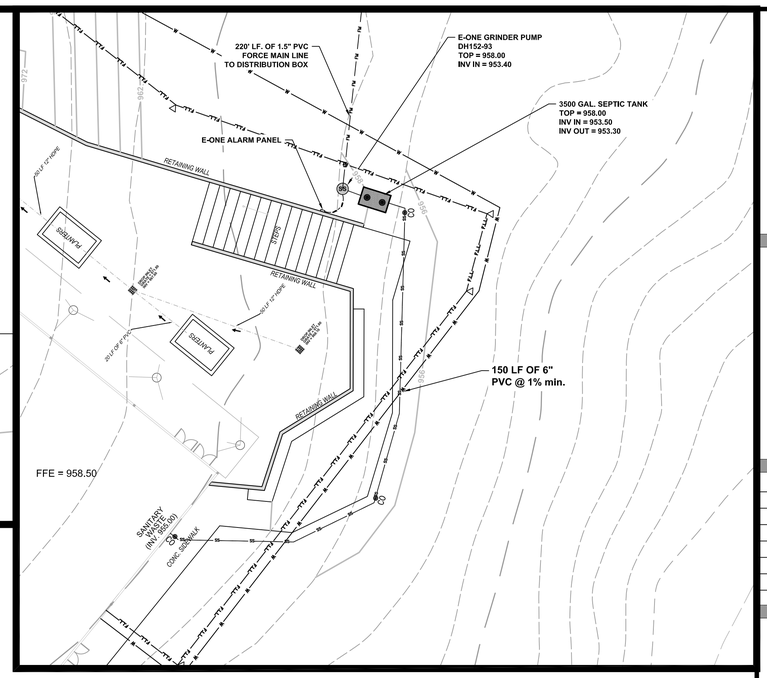
SCALE: 1" = 40'



NORTH

INSET "A"

SCALE: 1" = 10'



NORTH

INSET "B"

SCALE: 1" = 20'

SOIL INTERPRETIVE DATA

Soil Units	Depth to Bedrock (in)	Depth to Seasonal High Water Table Indicators (in)	Slope Gradient (percent)	Recommended Trench Depth (in)	Estimated Perc Rate (min/in)	Recommended Hydraulic Loading Rate (gal/day/sq.ft.)	Soil Suit. Code
Cecil	>72	>72	2-10	36-48	60	----	A1
Hard Labor	>72	30-36	6-10	12-18	75	0.12	C2
Helena	>72	18-24	6-10	----	----	----	F2

SOIL SUITABILITY CODE LEGEND

A1	Soils are typically suitable for conventional absorption field with proper design, installation and maintenance.
C2	Soils are unsuitable for conventional absorption fields due to seasonal high water table conditions. Soils are generally suitable for alternative absorption fields with treatment system producing Class 1 effluent.
F2	Soils are unsuitable for on-site wastewater disposal due to seasonal high water table.

ABSORBTION FIELD CALCULATIONS:

5 GAL/SEAT - DAY (GPD-P) (350 SEATS) W/O KITCHEN - 7 GAL/SEAT W/KITCHEN

60 MIN PERC RATE (MIN) BASED ON LEVEL 3 SOIL SURVEY BY AES

350 SEATS * 7 GALS = 2450 GPD

PERC COEFFICIENT

SEWAGE FLOW = 2450 * 2.5 = 6125 GALLONS (GPD-D)
7.85 GAL/LF OF STD. TRENCH
6125/7.85 = 780 LF. REQUIRED

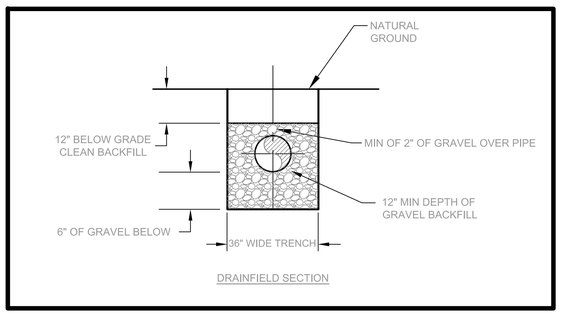
125 LF MAX RUN

UTILITY LEGEND

SS	EXISTING SEWER SERVICE
W	EXISTING WATER SERVICE
SS	SANITARY SEWER
CO	NEW CLEANOUT IN LANDSCAPE AREA
CO	NEW CLEANOUT IN PAVED AREA
W	NEW WATER SERVICE
FM	NEW FORCE MAIN SEWER LINE
POWER	NEW UNDERGROUND ELECTRIC SERVICE
P&T	NEW PHONE AND INTERNET SERVICE
F.L.	NEW FIRE LINE
S	EXISTING S.S.M.H.
W	EXISTING W.M.
	EXISTING W.V.
	EXISTING F.H.
	NEW F.H.
	EXISTING POWER/UTILITY POLE
	EXISTING TRAFFIC POLE
	NEW POWER POLE
	NEW SITE LIGHT
SS	NEW S.S.M.H.
W	NEW W.M.

NOTES:

1. *CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL UTILITY SERVICES AND LOCATIONS WITH EACH UTILITY SERVICE PRIOR TO COMMENCING CONSTRUCTION*
2. *CONTRACTOR TO BE RESPONSIBLE FOR STREET BORE, IF REQUIRED BY LOCAL AUTHORITY.*



DRAINFIELD SECTION

Omni
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Atlanta Tallahassee
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Peachtree City, GA 30269
ph: 770.302.1701
fax: 770.818.5663

DESIGN OFFICE:

Construction Documents
PREPARED FOR:

JOHN PETTIT
25 PEACHTREE LAKE DRIVE
SHARPBURG, GA 30277

CLIENT

#	DATE & BY
1	REV. PER COMMENTS 12.30.2017

BETHEL ATLANTA CHURCH
Master Plan

362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

PROJECT

GEORGIA REGISTERED No. PE14656 PROFESSIONAL ENGINEER STEVE E DRYDEN

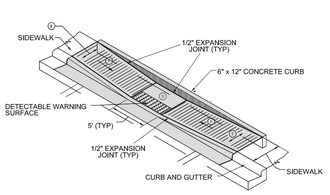
SEAL

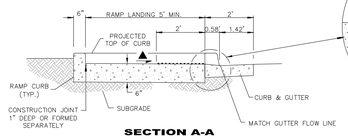
DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

SEPTIC FIELD LAYOUT PLAN

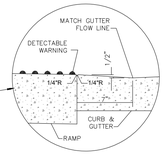
C 6.1

SHEET





SECTION A-A



DETAIL 1

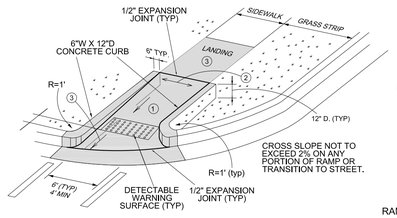
NOTES:
1. ALL CONCRETE TO BE 3000 PSI.
2. ALL RAMPS AND DETECTABLE WARNING SHALL BE ALIGNED PERPENDICULAR TO THE CURB. CROSSWALKS SHALL BE ALIGNED PERPENDICULAR TO THE STREET CENTERLINE AS MUCH AS POSSIBLE.
3. SEE PLANS FOR LOCATION OF SIDEWALK RAMP CENTERLINE.

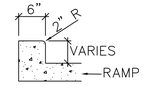
CONCRETE DEPTH	
RAMP / FLARE	6"
LANDING	4"

1. 8.33% (12:1) MAX RAMP SLOPE
2. CROSS SLOPE: 2.00%
3. CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00%, WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

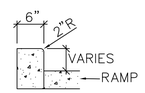
HANDICAP RAMP DETAIL - GADOT TYPE B
N.T.S.

1. 8.33% (12:1) MAX RAMP SLOPE
2. CROSS SLOPE: 2.00%
3. CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.





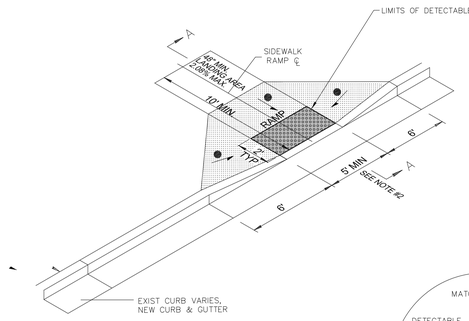
RAMP W/INTEGRAL CAST CURB



RAMP W/SEPARATELY CAST CURB

RAMP CURB OPTIONS

HANDICAP RAMP DETAIL - RETURN CURB TYPE
N.T.S.



NOTES:
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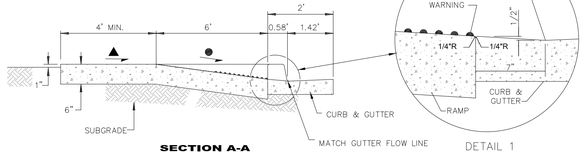
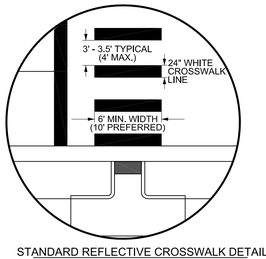
2. ALL RAMPS AND DETECTABLE WARNING SHALL BE ALIGNED PERPENDICULAR TO THE CURB. CROSSWALKS SHALL BE ALIGNED PERPENDICULAR TO THE STREET CENTERLINE AS MUCH AS POSSIBLE.
3. SEE PLANS FOR LOCATION OF SIDEWALK RAMP CENTERLINE.

LEGEND
- 12:1 MAXIMUM SLOPE, 15:1 DESIRED SLOPE
- 2% MAXIMUM SLOPE, 1.5% MINIMUM SLOPE
- 6" THICK CONCRETE PAYMENT LIMITS

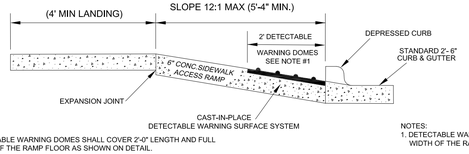


SECTION A-A

HANDICAP RAMP DETAIL - GDOT TYPE "D"
N.T.S.

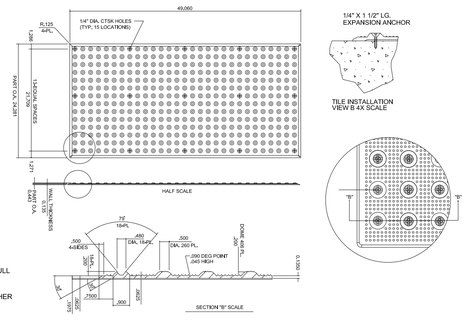


STANDARD REFLECTIVE CROSSWALK DETAIL
N.T.S.



NOTES:
1. DETECTABLE WARNING DOMES SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON DETAIL.
2. OBTAIN 70% CONTRAST VISIBILITY WITH ADJOINING SURFACE, EITHER LIGHT ON DARK, OR DARK ON LIGHT SEQUENCE COVERING THE DETECTABLE WARNING AREA.

CAST IN PLACE WARNING SURFACE DETAIL
N.T.S.



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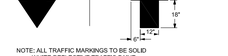
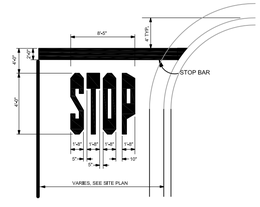
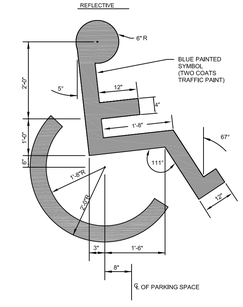
SURFACE MOUNTED WARNING SURFACE DETAIL
N.T.S.



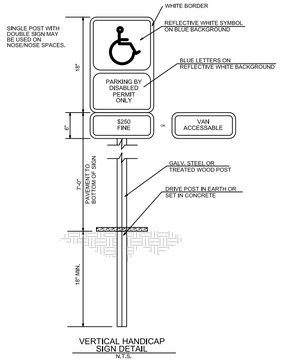
NOTE: ALL TRAFFIC MARKINGS TO BE SOLID WHITE REFLECTIVE TRAFFIC PAINT AS PER DIMENSIONS



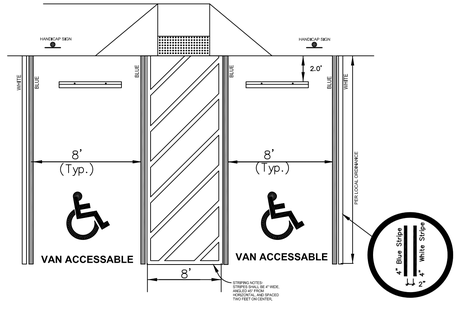
TYPICAL PAVEMENT MARKINGS
N.T.S.



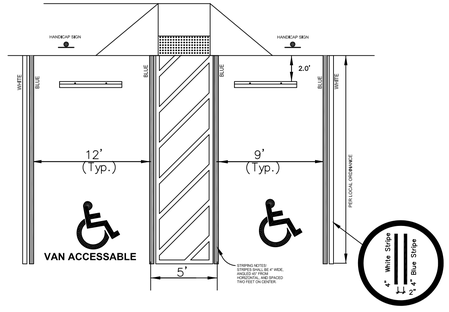
HANDICAP PAVEMENT MARKING DETAIL
N.T.S.



VERTICAL HANDICAP SIGN DETAIL
N.T.S.



ALTERNATE VAN ACCESSABLE HANDICAP STRIPING DETAIL
N.T.S.



TYPICAL HANDICAP STRIPING DETAIL
N.T.S.

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BETHEL ATLANTA CHURCH
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362 FARR ROAD
CITY OF TYRONE
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LAND LOT 118
7th DISTRICT

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GEORGIA REGISTERED No. PE14655 PROFESSIONAL ENGINEER STEVE E DRYDEN

SEAL

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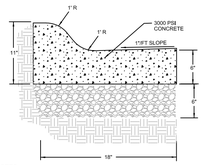
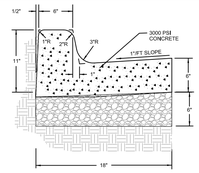
CONSTRUCTION DETAILS
C 7.0
SHEET



NOTES:
1. ½" PREFORMED EXPANSION JOINTS REQUIRED AT ALL STRUCTURES & CURB RETURNS.
2. MAXIMUM DISTANCE BETWEEN EXPANSION JOINTS = 40.0'.
3. DISTANCE BETWEEN DUMMY JOINTS = 20'.
4. CONCRETE STRENGTH = 3000 PSI, SLUMP = 2". FINISH SHALL BE SMOOTHED & EVENED WITH A WOODEN FLOAT.
5. OTHER CURB & GUTTER SECTIONS WILL BE EVALUATED AS APPROPRIATE BY THE ENGINEER.

SITE ONLY
ROLL BACK CURB & GUTTER DETAIL
N.T.S.



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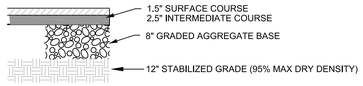
5. OTHER CURB & GUTTER SECTIONS WILL BE EVALUATED AS APPROPRIATE BY THE ENGINEER.

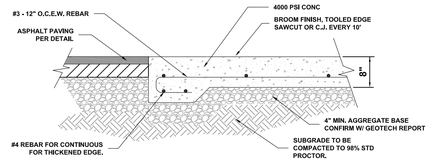
SITE ONLY
STANDARD CURB & GUTTER DETAIL
N.T.S.



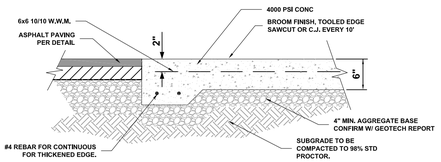
CLEAN THE SURFACE TO BE PRIMED AND ENSURE THAT THE MOISTURE OF THE BASE DOES NOT EXCEED 90% OF THE OPTIMUM MOISTURE. ENSURE THAT THE TEMPERATURE OF THE PRIME COAT IS AT 150°. APPLY THE PRIME COAT WITH A PRESSURE DISTRIBUTOR. THE PROPER APPLICATION SPREAD RATE WILL BE AT 1% WHICH IS SUFFICIENT TO COAT THE BASE MATERIAL UNIFORMLY WITH NO EXCESS.

CONTRACTOR TO VERIFY ALL PAVEMENT AND SUBGRADE RECOMMENDATIONS WITH THE GEOTECHNICAL REPORT BY OTHERS.

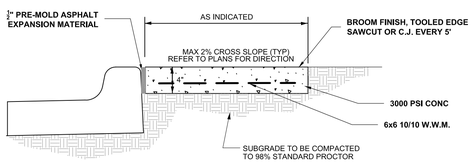
ASPHALT PAVEMENT SECTION
N.T.S.



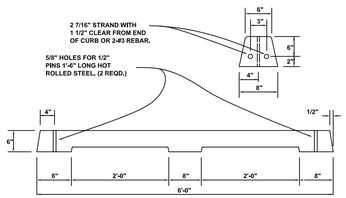
CONCRETE APRON @ TRASH ENCLOSURE
N.T.S.



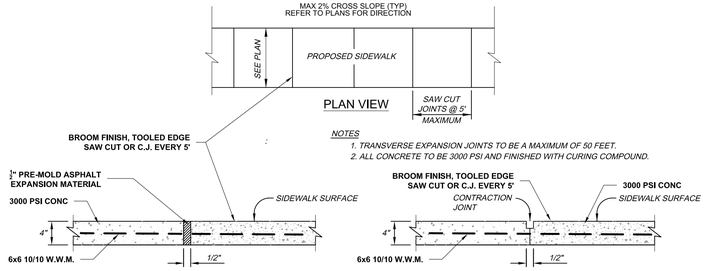
CONCRETE PAVING FOR HANDICAP CROSSING
N.T.S.



SIDEWALK DETAIL AT CURBING
N.T.S.

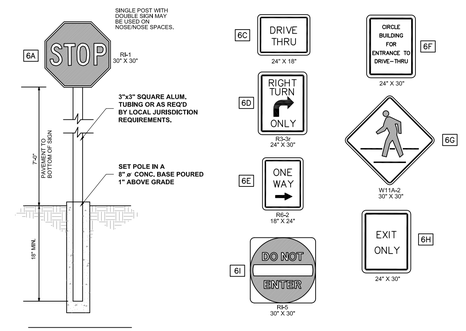


STANDARD CONCRETE BUMPER DETAIL
N.T.S.

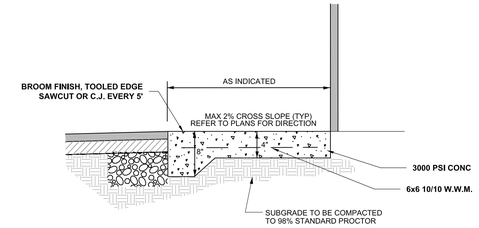


NOTES
1. TRANSVERSE EXPANSION JOINTS TO BE A MAXIMUM OF 50 FEET.
2. ALL CONCRETE TO BE 3000 PSI AND FINISHED WITH CURING COMPOUND.

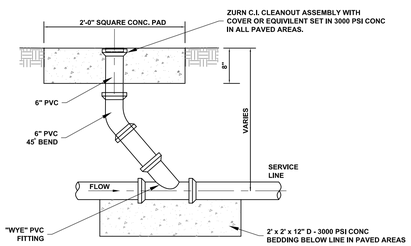
STANDARD CONCRETE SIDEWALK DETAIL
N.T.S.



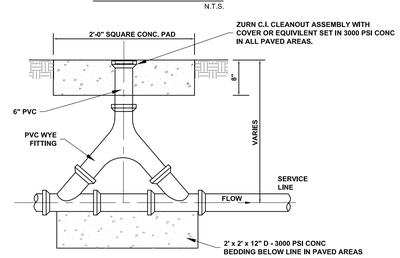
DIRECTIONAL SIGNAGE (REFER TO SIGN PACKAGE)
N.T.S.



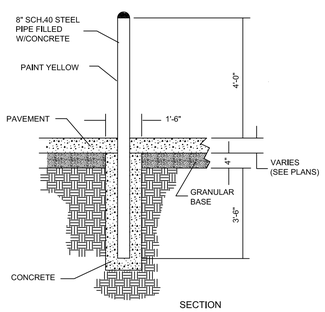
MONOLITHIC SIDEWALK DETAIL AT ASPHALT
N.T.S.



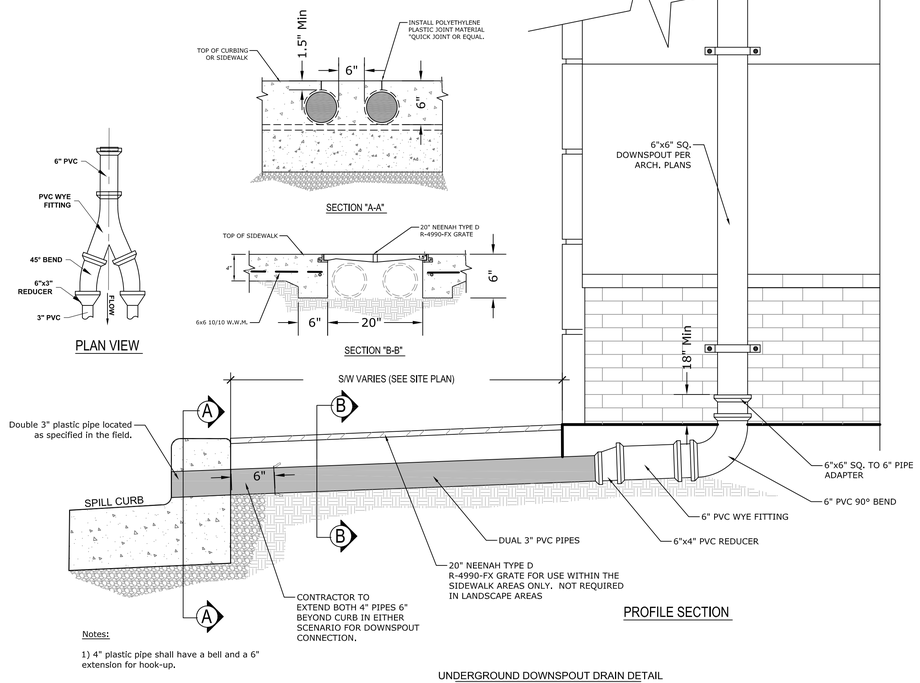
CLEAN-OUT DETAIL
N.T.S.



TWO WAY CLEAN-OUT DETAIL
N.T.S.



GUARD POST DETAIL
N.T.S.



Notes:
1) 4" plastic pipe shall have a bell and a 6" extension for hook-up.

UNDERGROUND DOWNSPOUT DRAIN DETAIL
N.T.S.

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25 PEACHTREE LAKE DRIVE
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CLIENT

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BETHEL ATLANTA CHURCH
Master Plan

362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

PROJECT

GEORGIA REGISTERED PROFESSIONAL ENGINEER CLEVE E DRYDEN No. PE14658

SEAL

DATE: 10.15.2017
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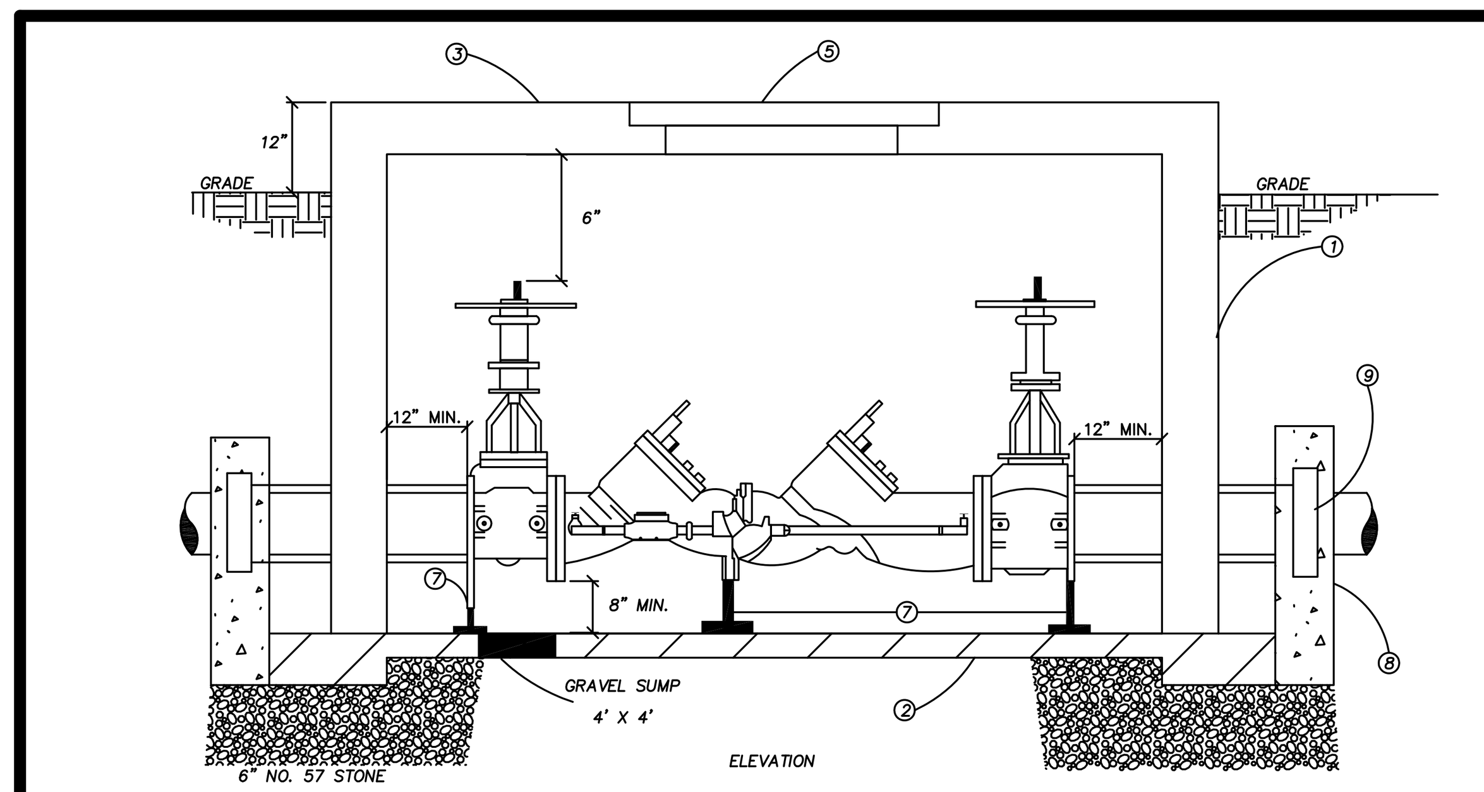
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

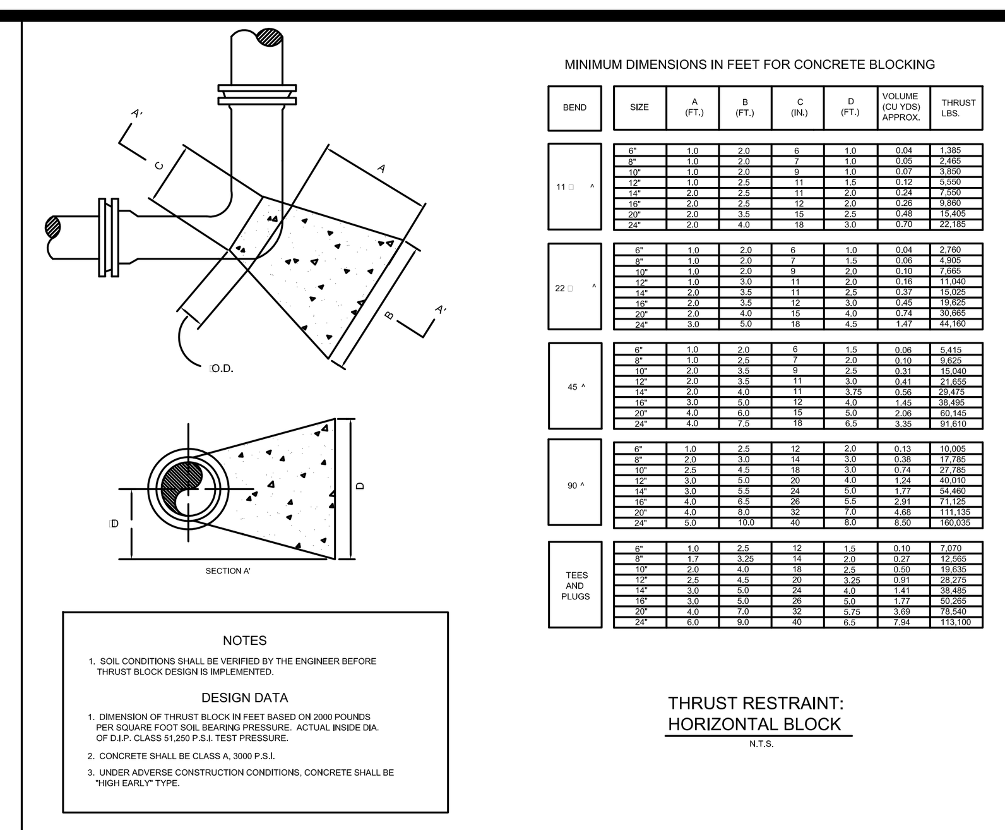
CONSTRUCTION DETAILS
C 7.1

SHEET

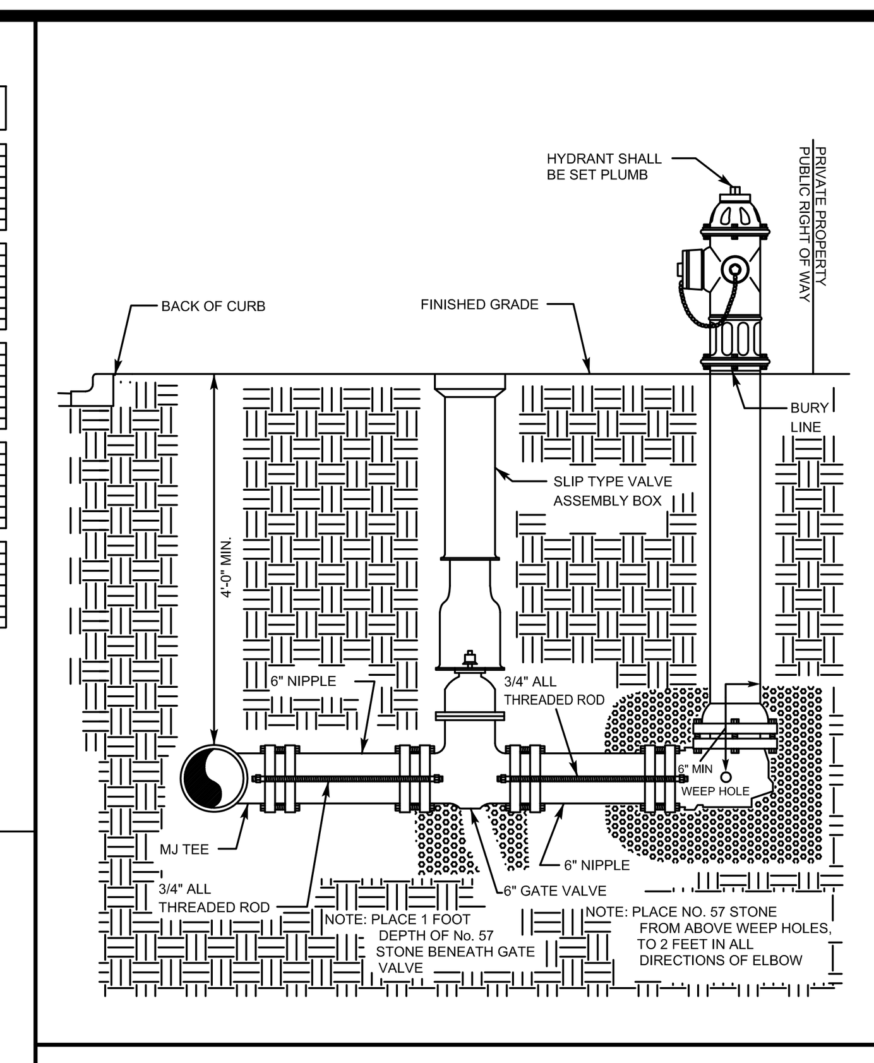


1. VAULT SHALL BE PRECASTED REINFORCED CONCRETE.
2. VAULT BOTTOM 4" POURED CONCRETE SLAB, SLOPED TO A 4' X 3' GRAVEL SUMP. SLAB TO BE POURED ON 6" OF NO. 57 COMPACTED STONE.
3. VAULT TOP SHALL BE REIN-FORCED CONCRETE WITH 36" X 36" ACCESS OPENING, OFFSET TO LADDER SIDE.
4. ACCESS LADDER DOWELED TO WALL AND CENTERED AT ACCESS OPENING.
5. HATCH COVER: BILCO-ALUMINUM SINGLE MODEL #J-4AL; OR EQUAL.
6. VAULT INLET/OUTLET PIPE OPENINGS TO BE SEALED WITH GROUT OR MORTAR, PIPE MUST NOT SUPPORT VAULT.
7. BFP ASSEMBLY TO BE SUP-PORTED AT THREE POINTS WITH PIPE STAND.
8. THRUST BLOCKING (AS REQUIRED) AND IN ACCORDANCE WITH CCW&S DWG. NO. BFP-0016.
9. THRUST TIE RODS SHALL BE BITUMASTIC COATED.
10. ALL PIPE AND PIPE FITTINGS SHALL BE DUCTILE IRON.
11. VAULT TO BE INSTALLED AS CLOSE AS PRACTICAL TOT HE PROPERTY LINE OF THE PREMISE AND A RIGHT OF ENTRY FORM LEGALLY EXECUTED AND FOWARDED TO THE BFP COORDINATOR.
12. THE CUSTOMER/OWNER SHALL FURNISH AND HAVE INSTALLED ALL MATERIALS.

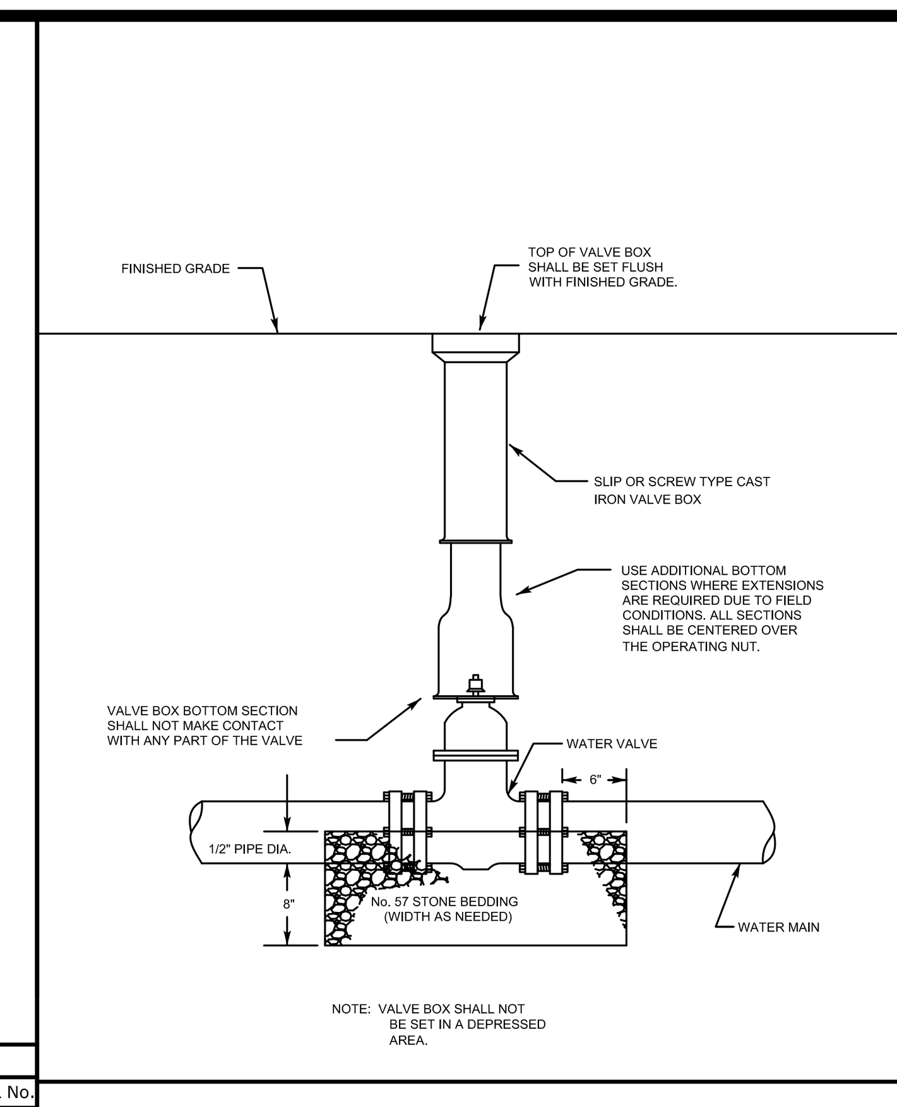
TYPICAL ELEVATION PLAN
FOR VAULT INSTALLATIONS
N.T.S.



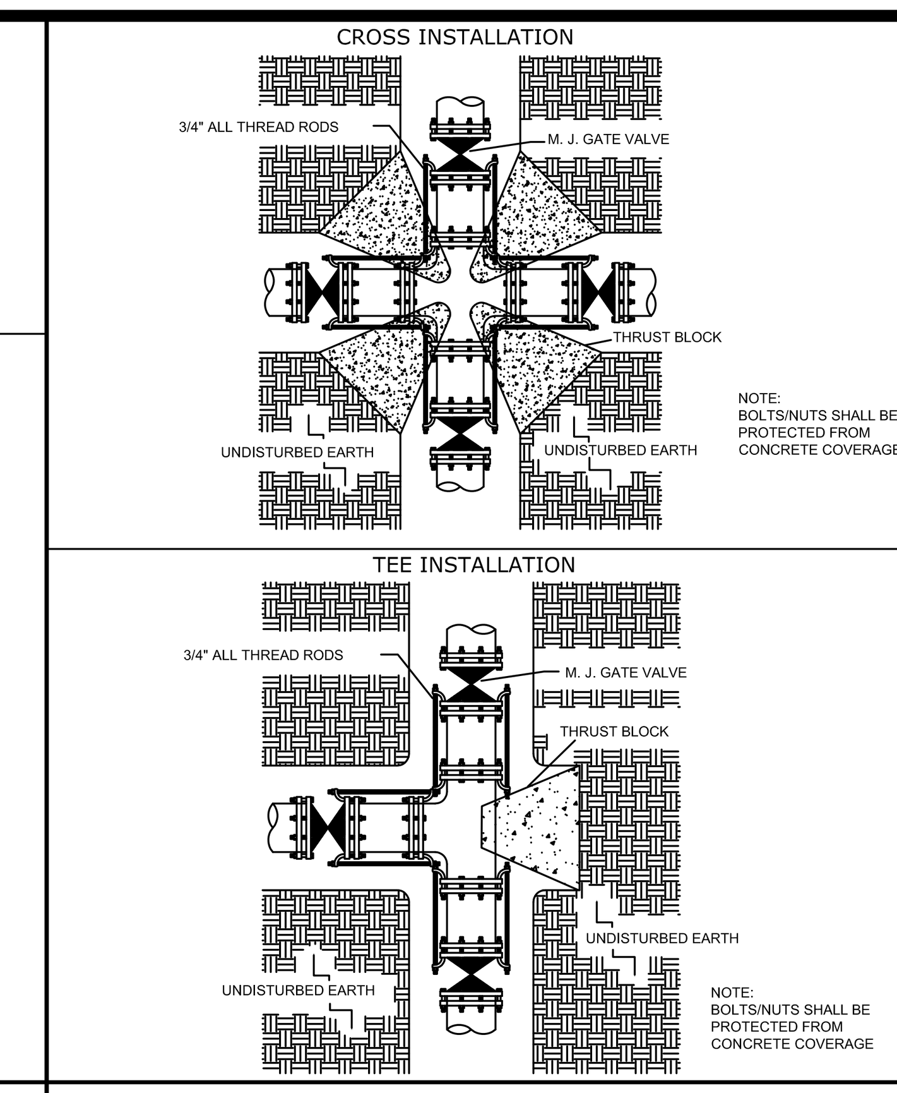
THRUST RESTRAINT:
HORIZONTAL BLOCK



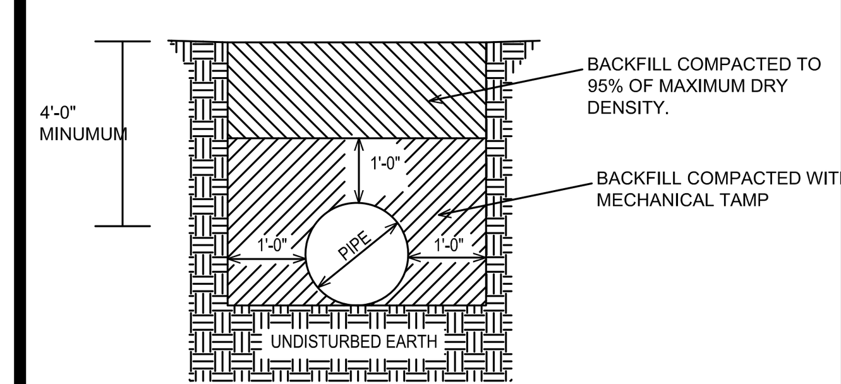
DATE:	12 FEBRUARY 2002	DETAIL TITLE:	DETAIL No.
SCALE:	N.T.S.	TYPICAL FIRE HYDRANT	3.1
DRAWN BY:	SRD		



DATE:	12 FEBRUARY 2002	DETAIL TITLE:	DETAIL NO.
SCALE:	N.T.S.	VALVE BOX	6.1
DRAWN BY:	SRD		



DATE:	12 FEBRUARY 2002	DETAIL TITLE:	DETAIL NO.
SCALE:	N.T.S.	THRUST RESTRAINT AT FITTING	10.1
DRAWN BY:	SRD		

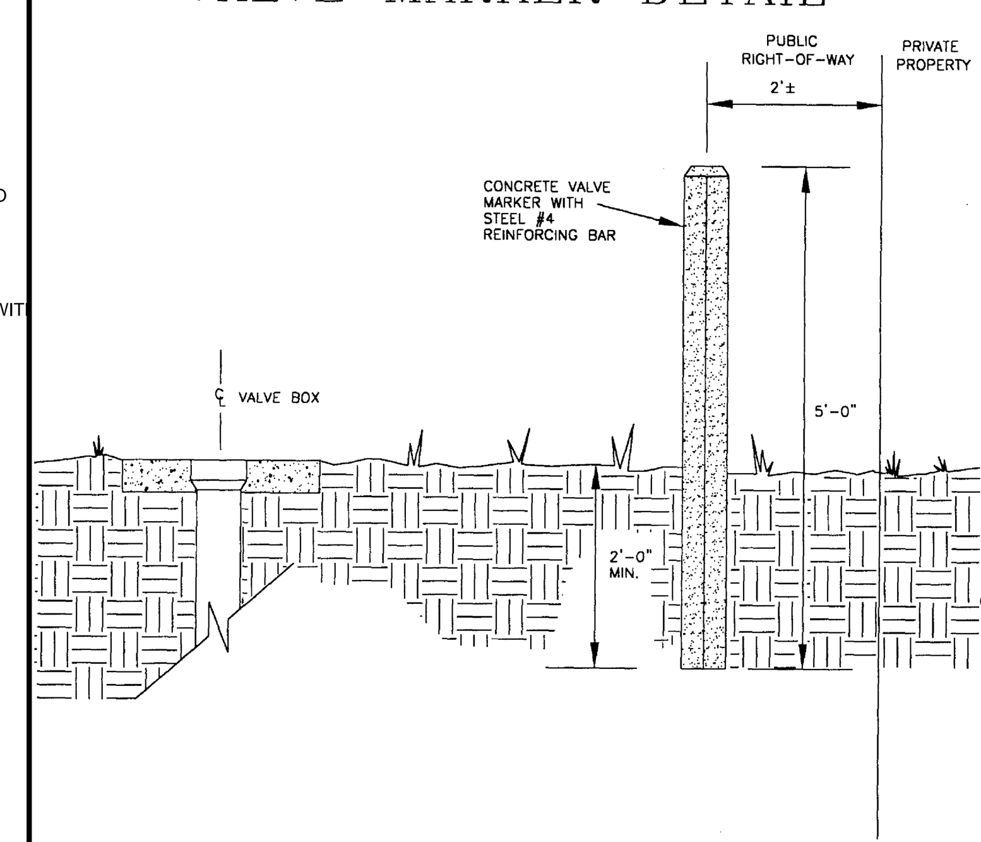


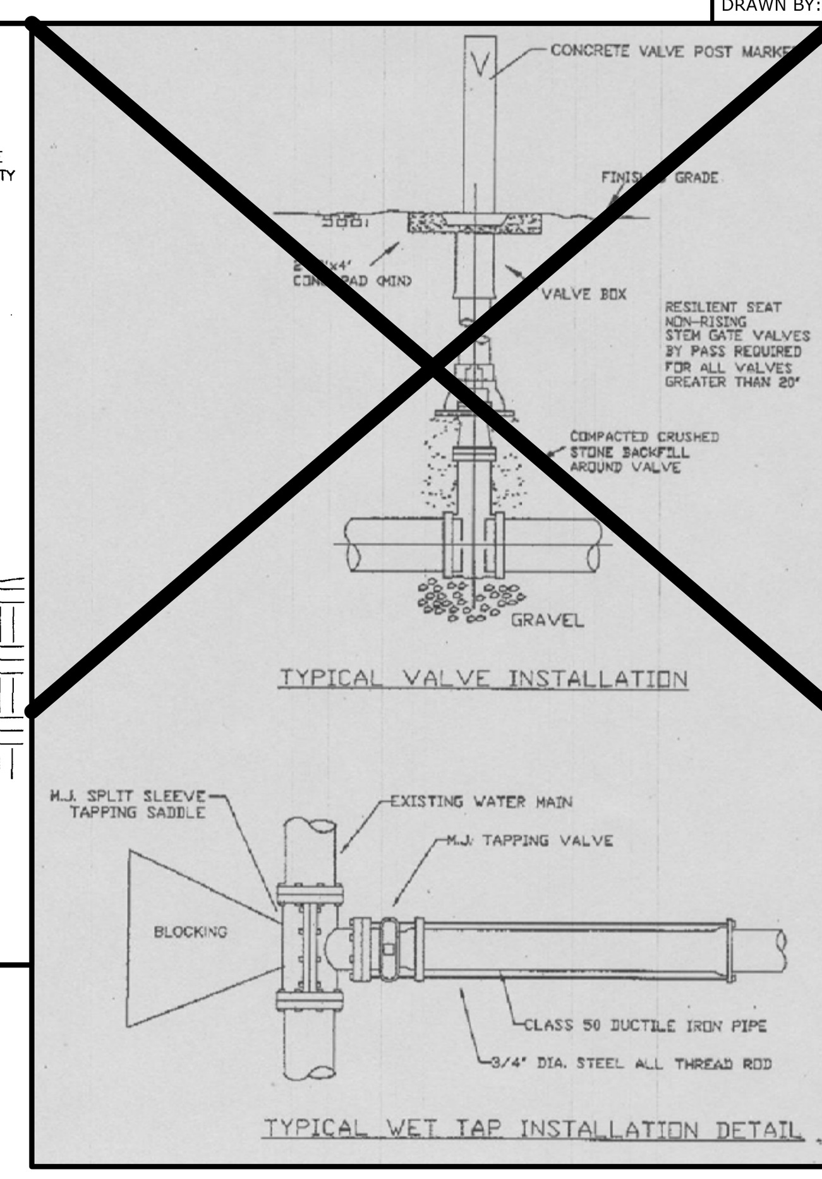
NOTES: UNSUITABLE SOILS ENCOUNTERED IN BOTTOM OF EXCAVATED TRENCH SHALL BE EXCAVATED & REPLACED WITH NO. 57 STONE.

ONLY SUITABLE SOIL SHALL BE USED AS BACKFILL.

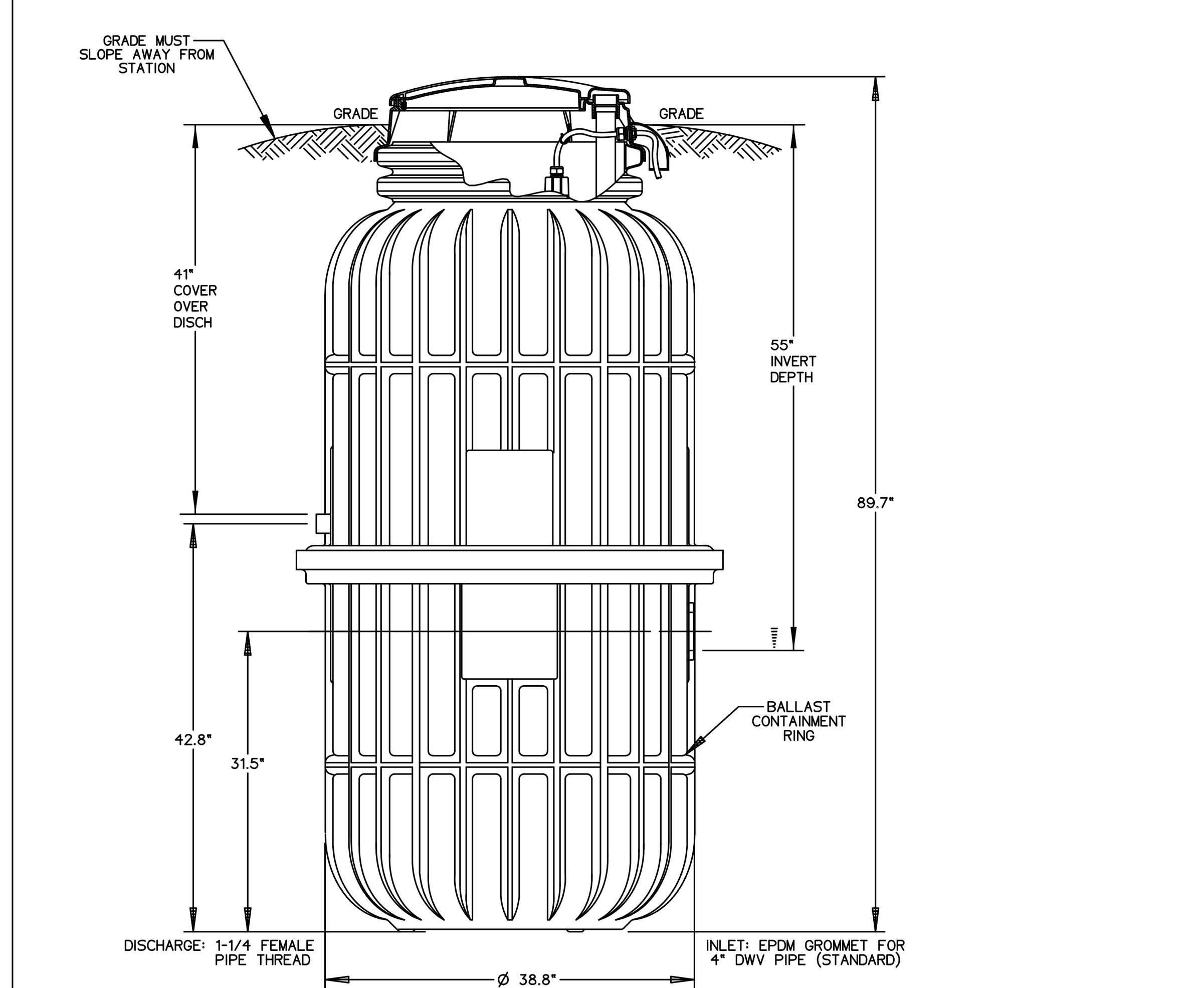
DATE:	12 FEBRUARY 2002	DETAIL TITLE:	DETAIL No.
SCALE:	N.T.S.	TYPICAL DUCTILE IRON PIPE BEDDING	8.1
DRAWN BY:	SRD		

VALVE MARKER DETAIL





OPTIONS: ☐ DH152-93 (HARD WIRED LEVEL CONTROLS)
☐ DR152-93 (WIRELESS LEVEL CONTROLS)



CONCRETE BALLAST MAY BE REQUIRED
SEE INSTALLATION INSTRUCTIONS
FOR DETAILS

NOTE: DIMENSIONS ARE FOR REF ONLY

AD	CAH	7/13/07	B	1/16
DR BY	CHK'D	DATE	ISSUE	SCALE

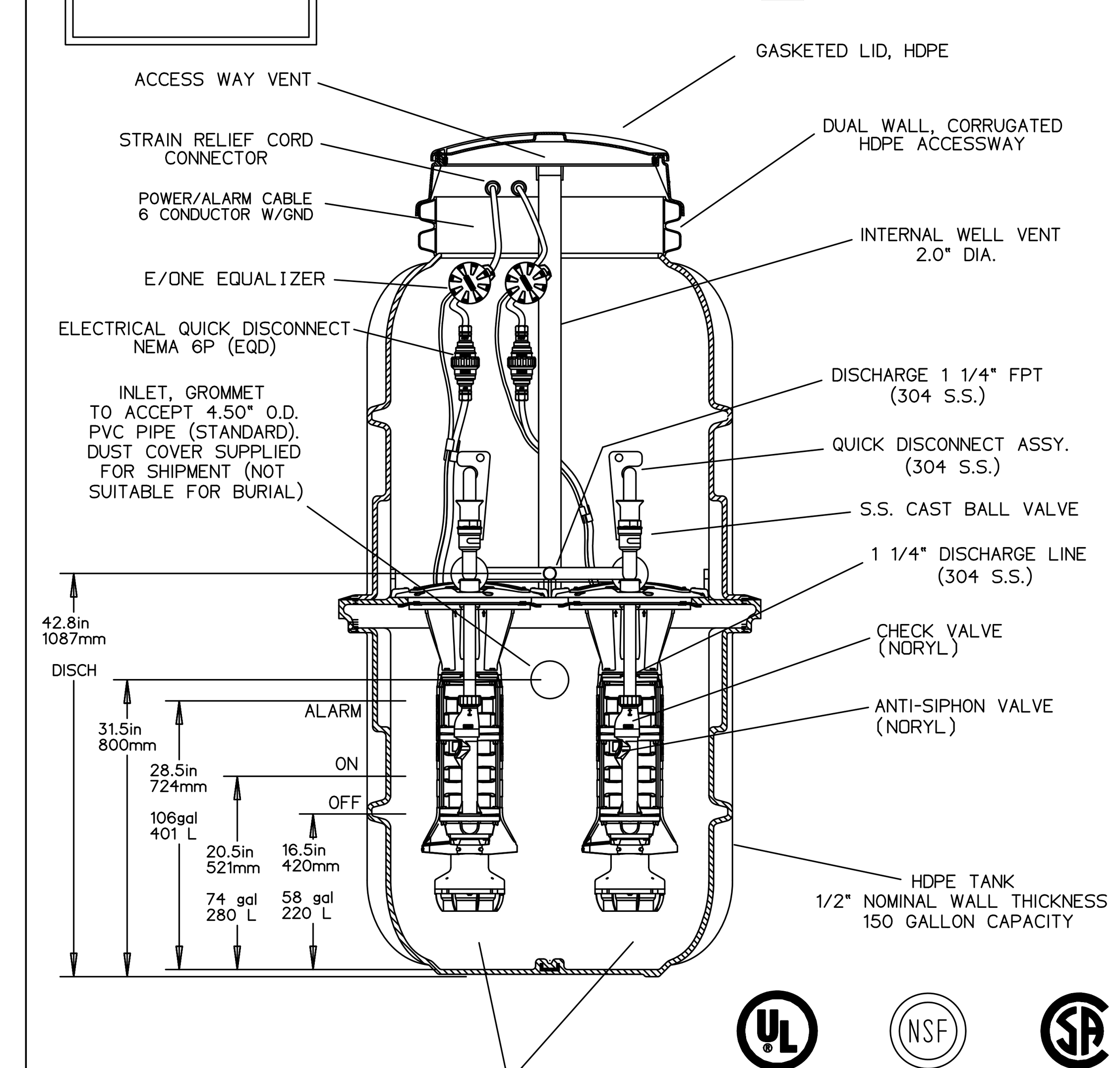
e|one
SEWER SYSTEMS

MODEL DH152-93 / DR152-93

NA0052P04

OPTIONS: ☐ DH152 (HARD WIRED LEVEL CONTROLS)
☐ DR152 (WIRELESS LEVEL CONTROLS)

FIELD JOINT REQUIRED FOR MODELS



SEMI-POSITIVE DISPLACEMENT TYPE PUMP
EACH DIRECTLY DRIVEN BY A 1 HP MOTOR

CONCRETE BALLAST MAY BE REQUIRED
SEE INSTALLATION INSTRUCTIONS
FOR DETAILS

NOTE: DIMENSIONS ARE FOR REF ONLY

AD	CH	10/20/10	D	
DR BY	CHK'D	DATE	ISSUE	SCALE

e|one
SEWER SYSTEMS

MODEL DH152 / DR152
DETAIL SHEET

NA0052P02

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fax: 770.818.5663

DESIGN OFFICE:

Construction Documents
PREPARED FOR:

JOHN PETTIT
25 PEACHTREE LAKE DRIVE
SHARPBURG, GA 30277

CLIENT

#	DATE & BY
1	REV. PER COMMENTS 12.30.2017

BETHEL ATLANTA CHURCH
Master Plan

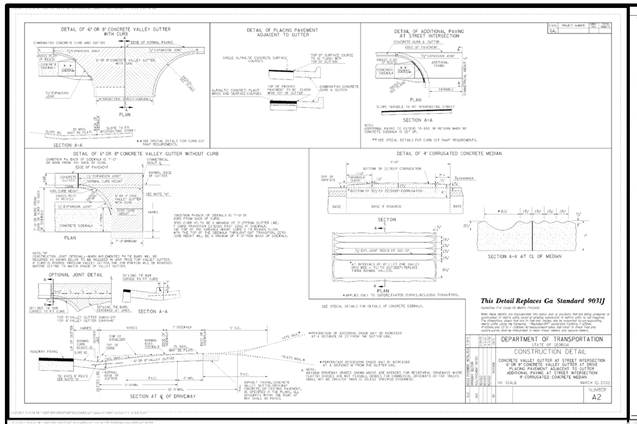
362 FARR ROAD
CITY OF TYRONE
FAYETTE COUNTY, GEORGIA
LAND LOT 118
7th DISTRICT

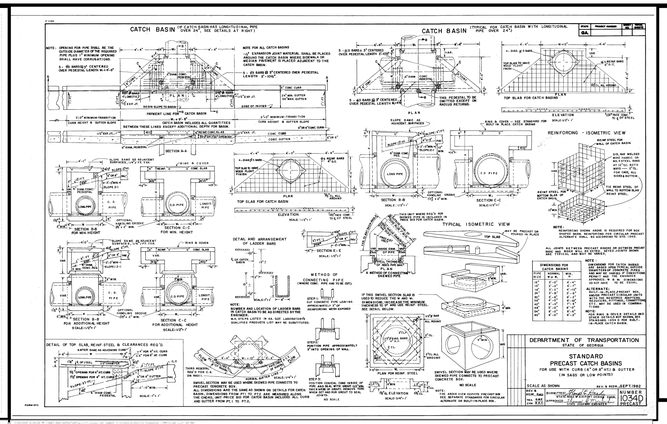
PROJECT

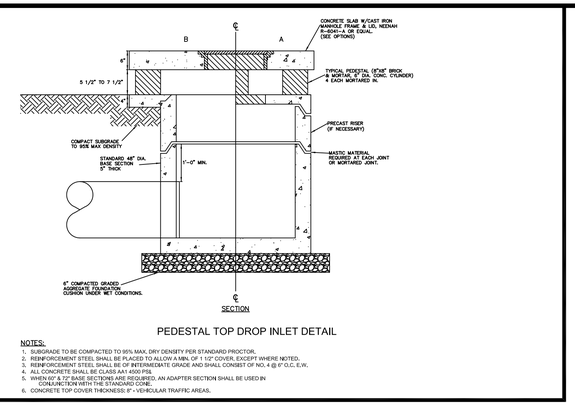
SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

CONSTRUCTION DETAILS
C 7.2
SHEET



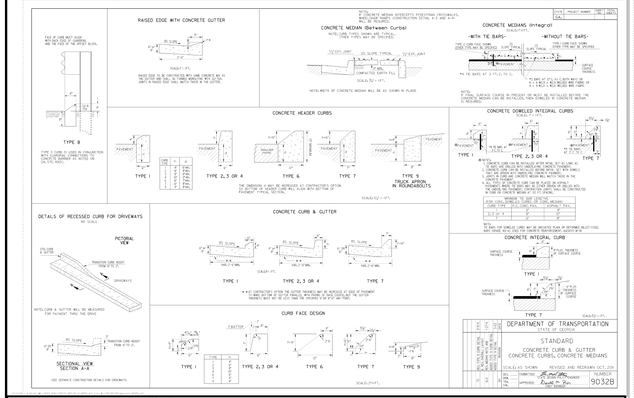


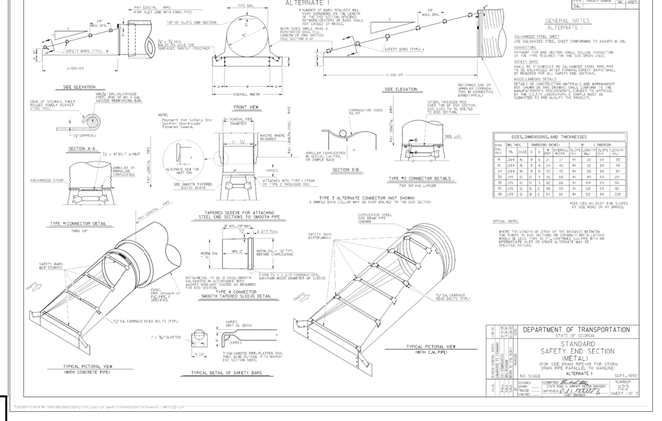


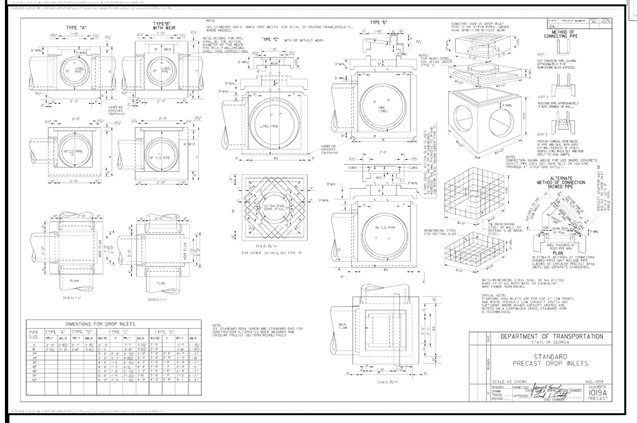
PEDESTAL TOP DROP INLET DETAIL

NOTES:

1. SUBGRADE TO BE COMPACTED TO 95% MAX. DRY DENSITY PER STANDARD PROCTOR.
2. REINFORCEMENT STEEL SHALL BE PLACED TO ALLOW A MIN. OF 1 1/2" COVER, EXCEPT WHERE NOTED.
3. REINFORCEMENT STEEL SHALL BE OF INTERMEDIATE GRADE AND SHALL CONSIST OF NO. 4 @ 6" O.C. E.W.
4. ALL CONCRETE SHALL BE CLASS AA1 4500 PSI.
5. WHEN 60" & 72" BASE SECTIONS ARE REQUIRED, AN ADAPTER SECTION SHALL BE USED IN CONJUNCTION WITH THE STANDARD CONE.
6. CONCRETE TOP COVER THICKNESS 9" - VEHICULAR TRAFFIC AREAS.







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362 FARR ROAD
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LAND LOT 118
7th DISTRICT

PROJECT

GEORGIA REGISTERED No. PE14626 PROFESSIONAL ENGINEER
STEVE E DRYDEN

SEAL

DATE: 10.15.2017
PROJECT NO. 16.1200.00
DWG FILE - 16.12000 Church Master CP.dwg
SCALE: AS SHOWN

CONSTRUCTION DETAILS
C 7.3
SHEET

Fayette County Water System Notes (Revised 1-2017)

1. Fayette County Water System specifications and details shall govern all water main construction.
2. All materials and installation shall be in accordance with Fayette County Water System and AWWA standards and specifications.
3. New Water Main to be installed after curb and gutter has been constructed and must be located 7' from the back of the curb. EOM should have hydrant or other flush point.
4. Ductile Iron Pipe (D.I.P.) shall be minimum pressure class 300 cement mortar lined, per ANSI C151/A21.51. All fittings shall be mechanical joint Ductile Iron per ANSI A21.10 or A21.53. All service piping shall be copper.
5. Provide Thrust Restraint (Thrust Blocks or Restrained Joints) at all bends, Tees, Crosses and End of Lines. (EOL) Side forms shall be used to prevent encasement of bolts. Service Taps shall not be located beneath pavement.
6. Maintain 24" minimum clearance between waterline and other structures.
7. Contractor shall maintain a minimum of 4' over all water lines.
8. Gate valves shall be utilized for all extensions. Inline valves shall be placed at all intersections and at every third hydrant for future isolation purposes.
9. Long side services shall be sleeved with PVC material or better to preserve the structural integrity of roads for future maintenance.
10. Contractor shall flag Water Line and Service locations to prevent damage by other Utility Contractors.
11. Proper compaction is required throughout the project. (95% pervious, 98% impervious)
12. Unsuitable soil materials shall be replaced with Suitable Materials.
13. New Water Line shall be pressure tested for 2 hours at 200 P.S.I. Unacceptable leakage shall be repaired and water line shall be retested prior to acceptance by Fayette County Water System. Main must be disinfected prior to being placed in service.
14. All Double Water Services shall be 1" Type "K" Copper and Single Services shall be ¾" Type "K" Copper.
15. Top of curbs shall be permanently marked and painted Blue at Main and Service Crossings, as well as, Valve and Meter Locations.
16. All Fire Hydrants shall be operational prior to allowing combustible construction. Fire Hydrant spacing not to exceed 600'. All hydrants/barrels shall be 5 ¼" in diameter.

Variance: Any variance for fire hydrant spacing must be approved by the Fire Chief or authorized designee. Such variances must be noted on appropriate site drawings. Ref. Fayette County Code of Ordinances Sec. 12-89, 12-90, 12-91, 12-92. All fire hydrants shall be painted silver and plumb. 6" minimum main size for hydrants required.

17. Meter Boxes shall be placed 9' from back of curb. Location of meters shall not be encased in asphalt or concrete. Alternate locations will be approved by F.C.W.S.
18. Set Meter Boxes .2' above top of Curb elevation. Mark Meter Boxes with a 4' long PVC pipe painted blue.
19. Water Sampling Stations shall be provided at locations deemed necessary by Fayette County Water System.
20. Waterline contractor shall provide traffic control, including signage and flagmen, while working within the Right of Way of any existing road.
21. Waterline contractor performing any work within an existing right of way must comply with the MUTCD 2003 Edition with Revisions Number 1 and 2 Incorporated, dated December 2007. Flaggers must possess a current certification card. Documentation shall be available upon request by any County Employee.
22. Water to be provided by Fayette County Water System.
23. All tie-ins shall be coordinated with Fayette County Water System. Existing valves shall be operated by County personnel only.
24. Contractor must notify Fayette County Water System 24 hours prior to beginning construction or requesting inspections. All work must be inspected prior to backfill and compaction. Any work covered prior to inspection is subject to rejection until it has been exposed and inspected by Fayette County Water Personnel.
25. No trenches or pits are to be left open overnight or through a weekend. If crew vacates job site during daytime hours, a properly constructed, highly visible barricade must be erected.
26. While the excavation is open, underground installations shall be protected, supported or removed as necessary to safeguard employees.
27. Means of egress from trench excavations. A stairway, ladder, ramp or other safe means of egress shall be located in trench excavations that are 4 feet or more in depth so as to require no more than 25 feet of lateral travel for employees.
28. Contact Matt Bergen at the Fayette County Water System to schedule a preconstruction meeting prior to beginning any work. Phone: 770-320-6020 Fax: 770-719-5576
29. All contractors must have a Certified Competent Person on site while work is being performed. Documentation shall be available upon request by any County Employee.
30. All contractors performing any Land Disturbing Activity shall have attended the GSWCC Sub Contractor Awareness Course when working in a common development where the primary permittee has obtained a Level 1A Certification. The primary permittee is required to have a Level 1A Certified representative on site at all times. Documentation shall be available upon request by any County Employee.
31. Any contractor performing any Land Disturbing Activity under contract for Fayette County Water System shall be considered the secondary permittee for each project. The contractor shall be required to have a GSWCC Level 1A Certified representative on site at all times. Documentation shall be available upon request by any County Employee.
32. Before release of the Water Lines, 2 Certified As - Builts (24 X 36) must be submitted along with 2 signed Final Plats or Final Site Plans. One electronic copy of each document should be sent to the inspector upon acceptance.
33. System shall have a minimum flow of 1,000 GPM at a minimum pressure of 20 p.s.i. with a minimum main size of 6".
34. All services shall be locked utilizing FCWS approved locks to prevent theft and water loss. Approved vendor list shall be obtained by from FCWS.

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WATER SYSTEM NOTES
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