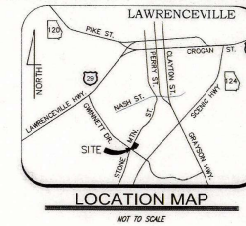


NOTE:

BOUNDARY REFERENCE WAS TAKEN FROM OTHERS. HORIZONTAL DATUM IS NADES SCALAR 850 WEST ZONE. VERTICAL DATUM IS NAVD83. ALL STATE PLANE DATUM WAS ESTABLISHED USING A TOPCON HIPER GPS RECEIVER AND THE APPS NETWORK. EXCEPT AS SPECIFICALLY STATED OR SHOWN ON THIS PLAN, THIS SURVEY DOES NOT PURPORT TO REFLECT ANY OF THE FOLLOWING WHICH MAY BE APPLICABLE TO THE SUBJECT PARCELS: EASEMENTS, BUILDING SETBACK LINES, RESTRICTIVE COVENANTS, SUBORDINATION RESTRICTIONS, ZONING OR OTHER LAND-USE REGULATIONS AND ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY REVEAL. INFORMATION REGARDING THE PRESENCE, SIZE AND LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON HAS BEEN SHOWN BASED ON THE LOCATION OF THE ABOVE-GROUND APPURTENANCES, AVAILABLE SECTION PLANS AND PLACES AND TRACT PLATS BY THE COLOR PROVISIONS SERVICE. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR TRUTHFULNESS OF THE INFORMATION CONCERNING UNDERGROUND UTILITIES AND STRUCTURES SHOWN HEREON. FOR GEORGIA LAW, THE UNDERGROUND UTILITIES PROTECTION SERVICE MUST BE CALLED PRIOR TO THE COMMENCEMENT OF ANY AND ALL EARTH DISTURBING ACTIVITIES. THIS TRACT OF LAND LIES WITHIN ZONE II (AREA OF MINIMAL FLOOD HAZARD) ACCORDING TO FEMA FLOOD INSURANCE RATE MAP PANEL NO. 1210000000E EFFECTIVE SEPTEMBER 29, 2006. THIS SURVEY HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF THE PERSON, PERSONS OR ENTITIES NAMED HEREON. NO EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE INFORMATION SHOWN HEREON IS TO BE EXTENDED TO ANY OTHER PERSON, PERSONS OR ENTITIES WITHOUT AN EXPRESS RECISTRATION BY THE SIGNATOR OF RECORD. DISTANCES SHOWN ARE GROUND DISTANCES. NOT ALL IMPROVEMENTS ARE SHOWN.

AREA 1.161 ACRES 50,575 SQ. FT.



SITE DATA

CLIENT: CITY OF LAWRENCEVILLE P.O. BOX 2200 LAWRENCEVILLE, GEORGIA 30046 770.963.2414
SURVEYOR: HAYES JAMES & ASSOCIATES 4145 SHACKLEFORD ROAD SUITE 300 NORCROSS, GEORGIA 30093 www.hayesjames.com
SITE ADDRESS: 174 GWINNETT DRIVE LAWRENCEVILLE, GEORGIA 30046
PROPERTY ID: E5142.10

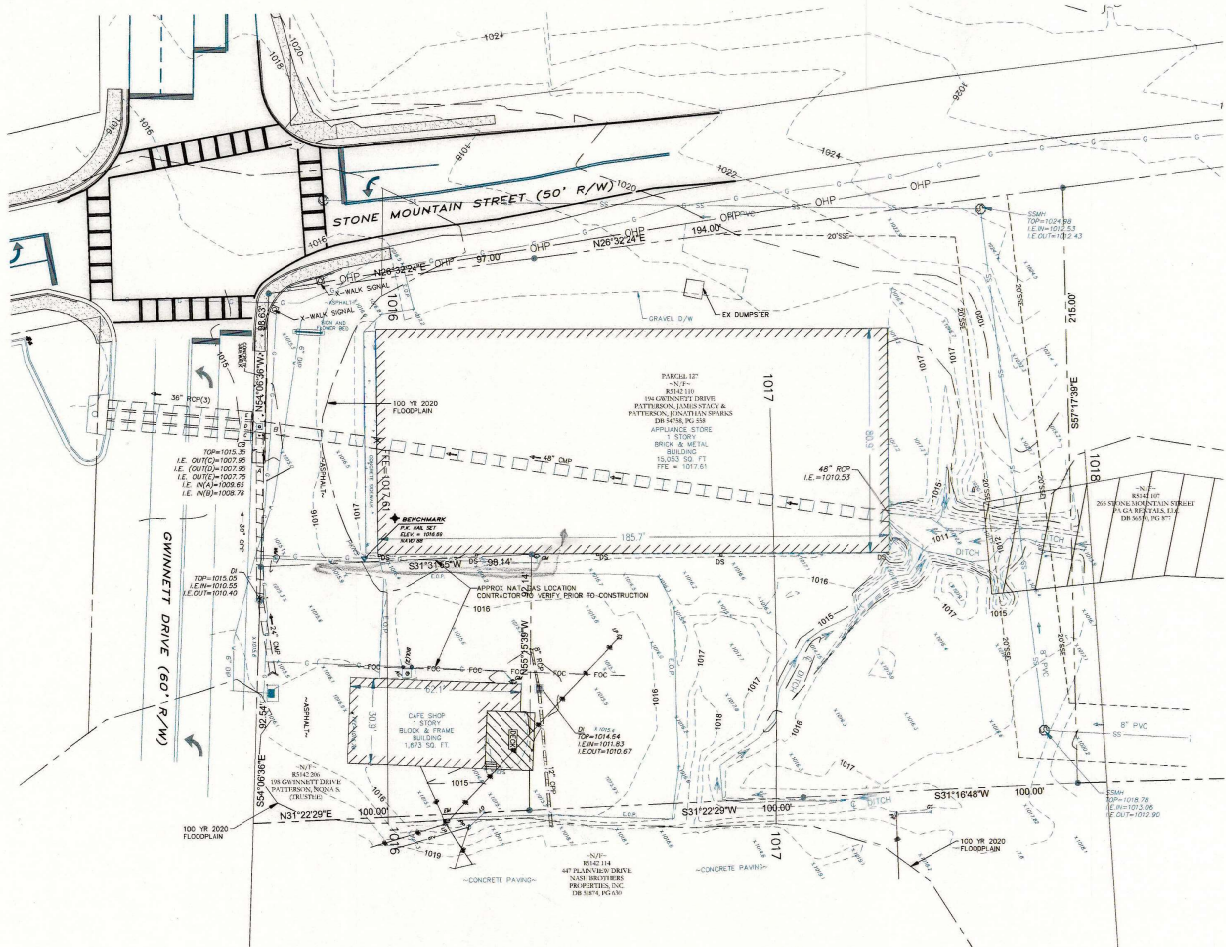
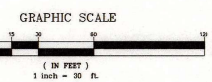
Hayes James ENGINEERS, PLANNERS & SURVEYORS 4145 SHACKLEFORD ROAD SUITE 300 NORCROSS, GEORGIA 30093 TEL: (770) 923-1600 FAX: (770) 923-4202
CITY OF LAWRENCEVILLE P.O. BOX 2200 LAWRENCEVILLE, GA 30046 Phone: (770) 963-2414
DENNIS BILLEW (770) 963-2414

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Table with columns: No., Date, By, App., Description, REVISION. The table is mostly empty with some rows containing dots.

LEGEND

LEGEND containing LINE TYPES and SYMBOLS. LINE TYPES include adjacent property line, building setback line, creek line, curb and gutter, etc. SYMBOLS include pipe direction, down spout, double wing catch basin, fiber optic cable box, etc.



RZC2024-00054 RECEIVED: APRIL 1, 2024 PLANNING AND DEVELOPMENT DEPARTMENT

FOR REVIEW ONLY NOT TO BE RELEASED FOR CONSTRUCTION

Project Title: FIVE FORKS TRICKUM SIDEWALK IMPROVEMENTS
Project Location: City, State Zip LAWRENCEVILLE, GA 30046
Address:
Land Lot: 84, 109, 115, 116, 142, 147
District-Section 5
County: GWINNETT
Project No.: 16-023
Drawn By: RHNR
Checked By: MOB
Initial Issue Date: 10-01-2019
Sheet Title:

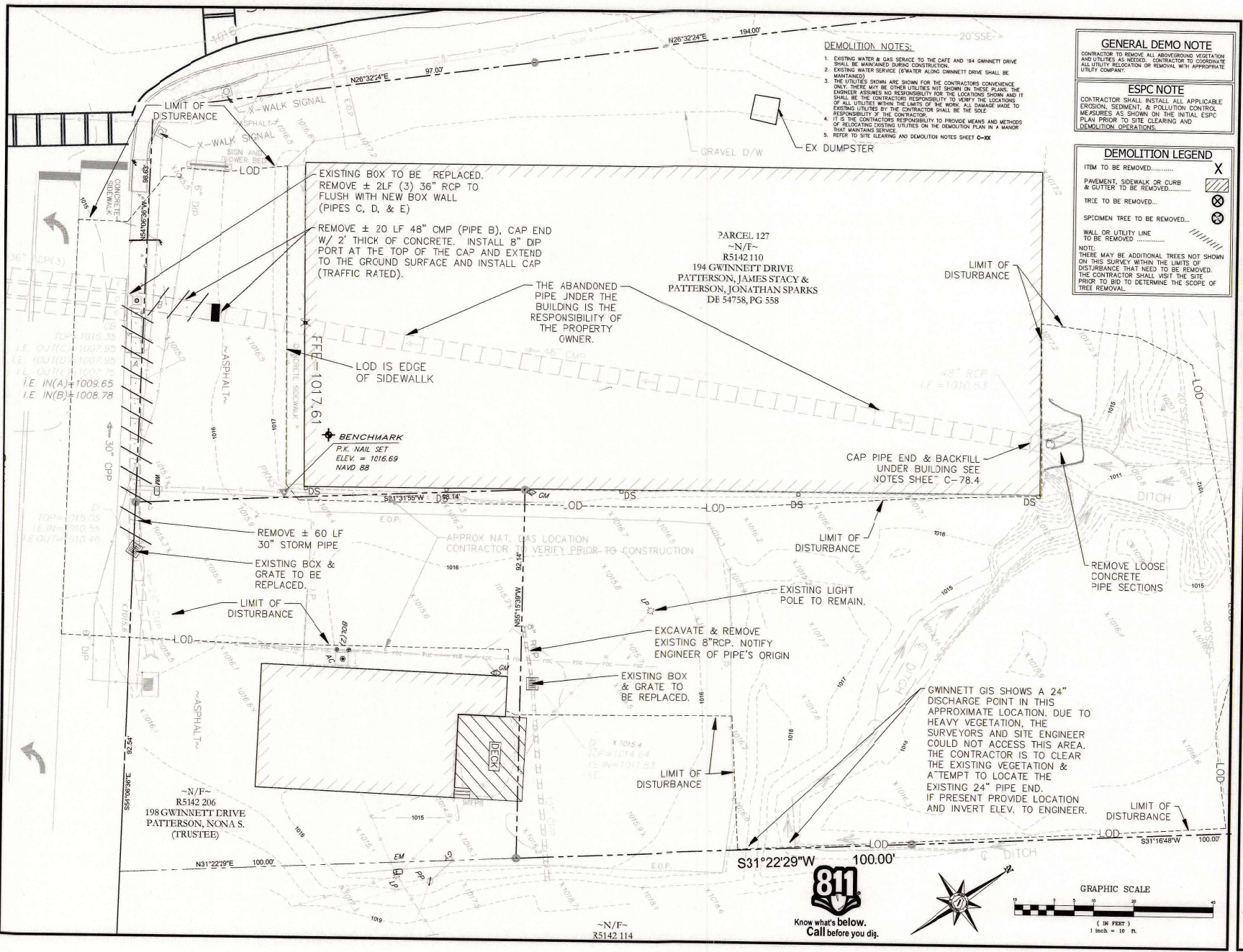
EXISTING CONDITIONS
Sheet Number: C-78.1

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- DEMOLITION NOTES:**
- EXISTING WATER & GAS SERVICE TO THE CAPE AND 194 GWINNETT DRIVE SHALL BE MAINTAINED DURING CONSTRUCTION.
 - EXISTING WATER SERVICE (WATER ALONG GWINNETT DRIVE) SHALL BE MAINTAINED.
 - THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTORS CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS EXISTING UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO RESPONSIBILITY OF THE CONTRACTOR.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE MEANS AND METHODS OF SELOCATING EXISTING UTILITIES ON THE DEMOLITION PLAN IN A MANNER THAT MAINTAINS SERVICE.
 - REFER TO SITE CLEARING AND DEMOLITION NOTES SHEET C-00.

GENERAL DEMO NOTE
CONTRACTOR TO REMOVE ALL ABOVEGROUND VEGETATION AND UTILITIES AS NEEDED. CONTRACTOR TO COORDINATE ALL UTILITY RELOCATION OR REMOVAL WITH APPROPRIATE UTILITY COMPANY.

ESPC NOTE
CONTRACTOR SHALL INSTALL ALL APPLICABLE EROSION, SEDIMENT, & POLLUTION CONTROL MEASURES AS SHOWN ON THE INITIAL ESPC PLAN PRIOR TO SITE CLEARING AND DEMOLITION OPERATIONS.

DEMOLITION LEGEND

ITEM TO BE REMOVED.....	X
PAVEMENT, SIDEWALK OR CURB & CUTTER TO BE REMOVED.....	▨
TREE TO BE REMOVED.....	⊗
SPECIMEN TREE TO BE REMOVED.....	⊙
WALL OR UTILITY LINE TO BE REMOVED.....	---

NOTE:
THERE MAY BE ADDITIONAL TREES NOT SHOWN ON THIS SURVEY WITHIN THE LIMITS OF DISTURBANCE THAT NEED TO BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID TO DETERMINE THE SCOPE OF TREE REMOVAL.

Hayes James
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No.	Description	By	Date

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Project Title
FIVE FORKS TRICKUM SIDEWALK IMPROVEMENTS

Project Location
Address
City, State Zip LAWRENCEVILLE, GA 30046
Lot Lot 84, 109, 115, 116, 142, 147
Section-Section 2
County GWINNETT

Project No. 16-023
Drawn By: RHR/R
Checked By: MDB
Initial Issue Date: 10-01-2019

Sheet Title

**PARCEL 127
DEMOLITION PLAN**

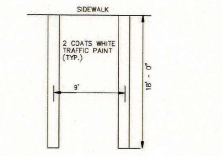
Sheet Number
C-78.2

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PLANNING AND DEVELOPMENT DEPARTMENT


NOTE CONTRACTOR SHALL MATCH ALL NEW PAVEMENT, SIDEWALK, AND/OR CURB & GUTTER WITH EXISTING AT ALL CONNECTION POINTS. PROVIDE SEALANT AT ALL JOINTS BETWEEN EX. AND PROPOSED ASPHALT PAVEMENTS TO PROVIDE A SMOOTH & SEAMLESS TRANSITION.

PAVEMENT LEGEND

- [Hatched Pattern] COMMERCIAL DRIVEWAY PAVEMENT SEE C-05 FOR PAVING SECTION
- [Grid Pattern] MAINLINE PAVEMENT SEE C-05 FOR PAVING SECTION
- [Stippled Pattern] 4" COMPACTED GAB



PAVEMENT STRIPING DETAIL
T15



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(770) 963-2414

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No.	REVISION	Date
	By:	
	App:	
	Description	

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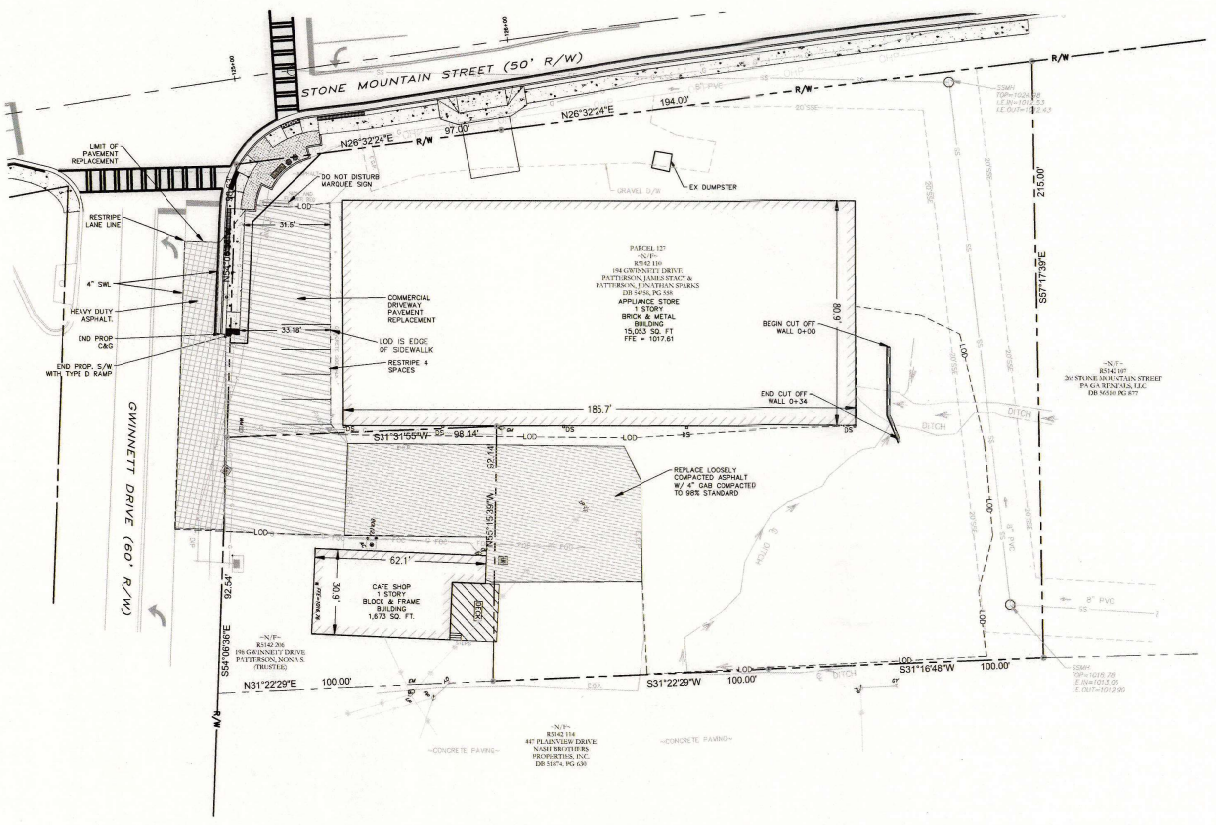
Project Title
FIVE FORKS TRICKUM SIDEWALK IMPROVEMENTS

Project Location
Address
City, State Zip LAWRENCEVILLE, GA 30046
Land Lot 84, 101, 115, 116, 142, 147
District-Section 5
County GWINNETT

Project No. 16-023
Drawn By: RHRR
Checked By: MOB
Initial Issue Date: 10-01-2019

Sheet Title
PARCEL 127 SITE PLAN

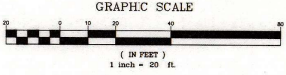
Sheet Number
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PROPERTY AND EXISTING R/W LINE		BEGIN LIMIT OF ACCESS		BLA	
REQUIRED R/W LINE		END LIMIT OF ACCESS		ELA	
CONSTRUCTION LIMITS					
EASEMENT FOR UTILITIES & DRAINAGE					
EASEMENT FOR CONSTR OF SLOPES		CONCRETE			
EASEMENT FOR CONSTR OF DRIVES		ASPHALT			

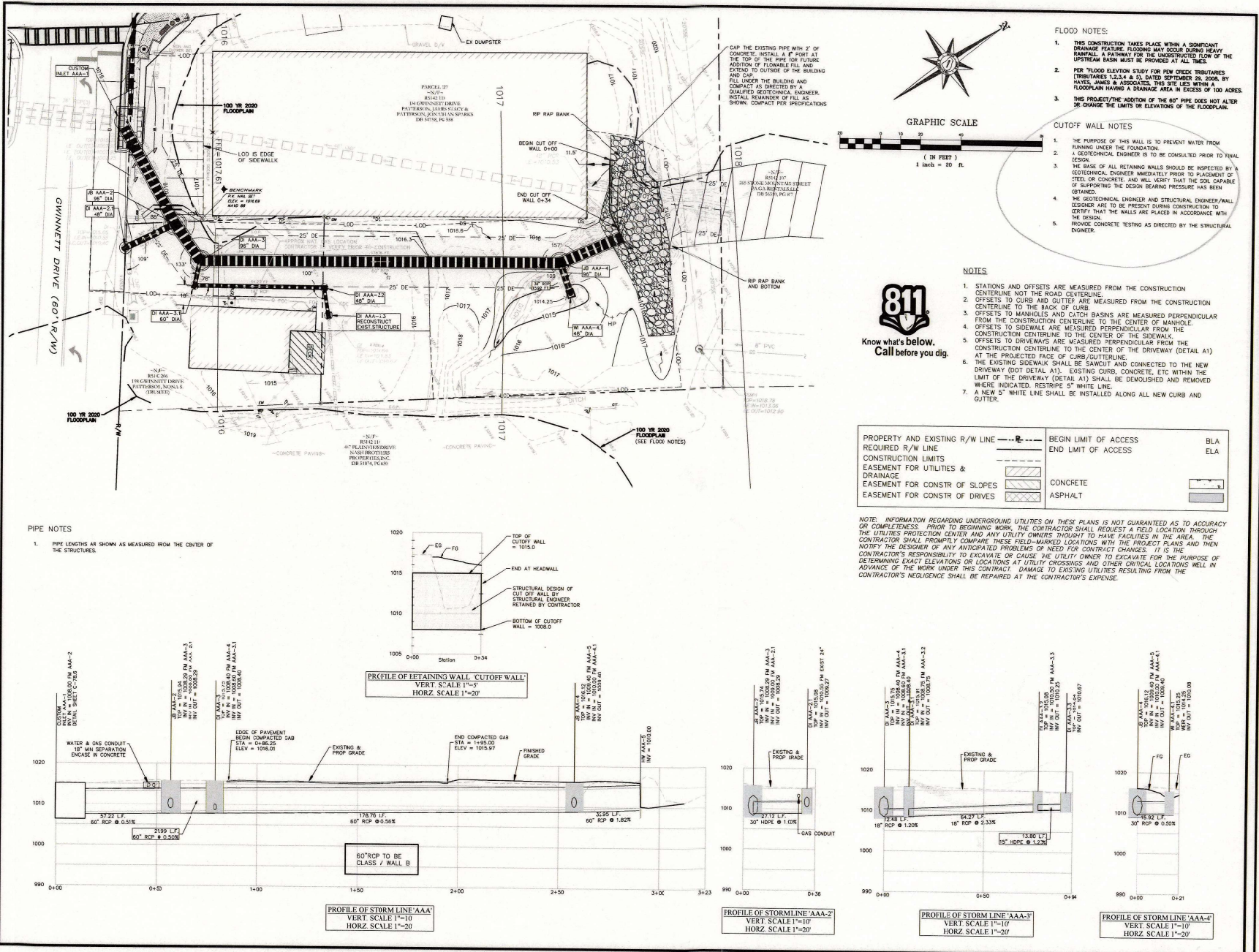
- NOTES**
1. STATIONS AND OFFSETS ARE MEASURED FROM THE CONSTRUCTION CENTERLINE NOT THE ROAD CENTERLINE.
 2. OFFSETS TO CURB AND GUTTER ARE MEASURED FROM THE CONSTRUCTION CENTERLINE TO THE BACK OF CURB.
 3. OFFSETS TO MANHOLES AND CATCH BASINS ARE MEASURED PERPENDICULAR FROM THE CONSTRUCTION CENTERLINE TO THE CENTER OF MANHOLE.
 4. OFFSETS TO SIDEWALK ARE MEASURED PERPENDICULAR FROM THE CONSTRUCTION CENTERLINE TO THE CENTER OF THE SIDEWALK.
 5. OFFSETS TO DRIVEWAYS ARE MEASURED PERPENDICULAR FROM THE CONSTRUCTION CENTERLINE TO THE CENTER OF THE DRIVEWAY (DETAIL A1) AT THE PROJECTED FACE OF CURB/GUTTERLINE.
 6. THE EXISTING SIDEWALK SHALL BE SAWCUT AND CONNECTED TO THE NEW DRIVEWAY (DOT DETAIL A1). EXISTING CURB, CONCRETE ETC WITHIN THE LIMIT OF THE DRIVEWAY (DETAIL A1) SHALL BE DEMOLISHED AND REMOVED WHERE INDICATED. RESTRIPE 5" WHITE LINE.
 7. A NEW 5" WHITE LINE SHALL BE INSTALLED ALONG ALL NEW CURB AND GUTTER.

NOTE: INFORMATION REGARDING UNDERGROUND UTILITIES ON THESE PLANS IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL REQUEST A FIELD LOCATION THROUGH THE UTILITIES PROTECTION CENTER AND ANY UTILITY OWNERS THOUGHT TO HAVE FACILITIES IN THE AREA. THE CONTRACTOR SHALL PROMPTLY COMPARE THESE FIELD-MARKED LOCATIONS WITH THE PROJECT PLANS AND THEN NOTIFY THE DESIGNER OF ANY ANTICIPATED PROBLEMS OR NEED FOR CONTRACT CHANGES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXCAVATE OR CAUSE THE UTILITY OWNER TO EXCAVATE FOR THE PURPOSE OF DETERMINING EXACT ELEVATIONS OR LOCATIONS AT UTILITY CROSSINGS AND OTHER CRITICAL LOCATIONS WELL IN ADVANCE OF THE WORK UNDER THIS CONTRACT. DAMAGE TO EXISTING UTILITIES RESULTING FROM THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

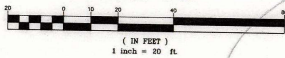


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PLANNING AND DEVELOPMENT DEPARTMENT



- FLOOD NOTES:**
1. THIS CONSTRUCTION TAKES PLACE WITHIN A SIGNIFICANT DRAINAGE FEATURE. FLOODING MAY OCCUR DURING HEAVY RAINFALL. A PATHWAY FOR THE UNEXPECTED FLOW OF THE UPSTREAM BASIN MUST BE PROVIDED AT ALL TIMES.
 2. PER "FLOOD ELEVATION STUDY FOR NEW CREEK TRIBUTARIES (TRIBUTARIES 1,2,3,4 & 5), DATED SEPTEMBER 26, 2008, BY HAYES JAMES & ASSOCIATES, THE SITE LIES WITHIN A FLOODPLAIN HAVING A DRAINAGE AREA IN EXCESS OF 100 ACRES.
 3. THIS PROJECT/THE ADDITION OF THE 60" PIPE DOES NOT ALTER OR CHANGE THE LIMITS OR ELEVATIONS OF THE FLOODPLAIN.
- CUTOFF WALL NOTES**
1. THE PURPOSE OF THIS WALL IS TO PREVENT WATER FROM RUNNING UNDER THE FOUNDATION.
 2. A GEOTECHNICAL ENGINEER IS TO BE CONSULTED PRIOR TO FINAL DESIGN.
 3. THE BASE OF ALL RETAINING WALLS SHOULD BE INSPECTED BY A GEOTECHNICAL ENGINEER IMMEDIATELY PRIOR TO PLACEMENT OF STEEL OR CONCRETE, AND WILL VERIFY THAT THE SOIL CAPABLE OF SUPPORTING THE DESIGN BEARING PRESSURE HAS BEEN OBTAINED.
 4. THE GEOTECHNICAL ENGINEER AND STRUCTURAL ENGINEER/WALL DESIGNER ARE TO BE PRESENT DURING CONSTRUCTION TO CERTIFY THAT THE WALLS ARE PLACED IN ACCORDANCE WITH THE DESIGN.
 5. PROVE CONCRETE TESTING AS DIRECTED BY THE STRUCTURAL ENGINEER.



- NOTES**
1. STATIONS AND OFFSETS ARE MEASURED FROM THE CONSTRUCTION CENTERLINE NOT THE ROAD CENTERLINE.
 2. OFFSETS TO CURB AND GUTTER ARE MEASURED FROM THE CONSTRUCTION CENTERLINE TO THE BACK OF CURB.
 3. OFFSETS TO MANHOLES AND CATCH BASINS ARE MEASURED PERPENDICULAR FROM THE CONSTRUCTION CENTERLINE TO THE CENTER OF MANHOLE.
 4. OFFSETS TO SIDEWALK ARE MEASURED PERPENDICULAR FROM THE CONSTRUCTION CENTERLINE TO THE CENTER OF THE SIDEWALK.
 5. CONSTRUCTION CENTERLINE TO THE CENTER OF THE DRIVEWAY (DETAIL A1) AT THE PROJECTED FACE OF CURB/GUTTERLINE.
 6. THE EXISTING SIDEWALK SHALL BE SAWCUT AND CONNECTED TO THE NEW DRIVEWAY (DOT DETAIL A1). EXISTING CURB, CONCRETE, ETC WITHIN THE LIMIT OF THE DRIVEWAY (DETAIL A1) SHALL BE DEMOLISHED AND REMOVED WHERE INDICATED. RESTORE 5" WHITE LINE.
 7. A NEW 5" WHITE LINE SHALL BE INSTALLED ALONG ALL NEW CURB AND GUTTER.

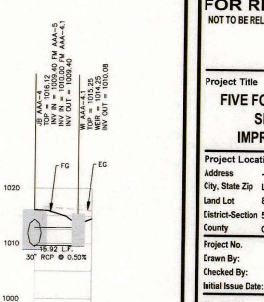
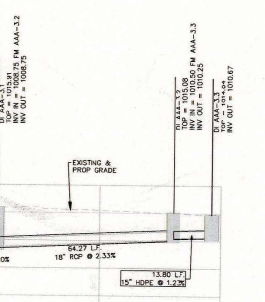
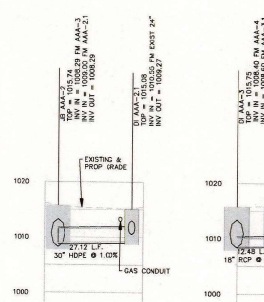
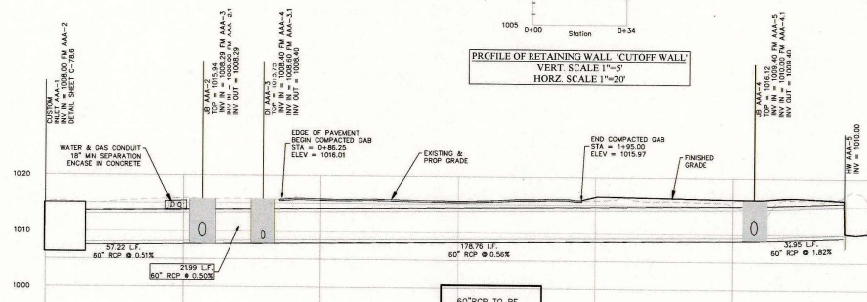
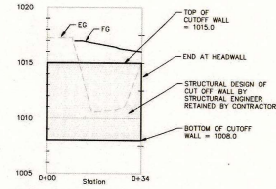


PROPERTY AND EXISTING R/W LINE	- - - - -	BEGIN LIMIT OF ACCESS	BLA
REQUIRED R/W LINE	_____	END LIMIT OF ACCESS	ELA
CONSTRUCTION LIMITS	_____		
EASEMENT FOR UTILITIES & DRAINAGE	_____	CONCRETE	2'
EASEMENT FOR CONSTR OF SLOPES	_____	ASPHALT	5'
EASEMENT FOR CONSTR OF DRIVES	_____		

NOTE: INFORMATION REGARDING UNDERGROUND UTILITIES ON THESE PLANS IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL REQUEST A FIELD LOCATION THROUGH THE UTILITIES PROTECTION CENTER AND ANY UTILITY OWNERS INJURED TO HAVE FACILITIES IN THE AREA. THE CONTRACTOR SHALL PROMPTLY COMPARE THESE FIELD-MARKED LOCATIONS WITH THE PROJECT PLANS, AND THEN NOTIFY THE DESIGNER OF ANY ANTICIPATED PROBLEMS OR NEED FOR CORRECTIONS. THE CONTRACTOR'S RESPONSIBILITY TO EXCAVATE OR CAUSE THE UTILITY OWNER TO EXCAVATE FOR THE PURPOSE OF DETERMINING EXACT ELEVATIONS OR LOCATIONS AT UTILITY CROSSINGS AND OTHER CRITICAL LOCATIONS WELL IN ADVANCE OF THE WORK UNDER THIS CONTRACT. DAMAGE TO EXISTING UTILITIES RESULTING FROM THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

PIPE NOTES

1. PIPE LENGTHS ARE SHOWN AS MEASURED FROM THE CENTER OF THE STRUCTURES.



h
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No.	Revision	Description	Date

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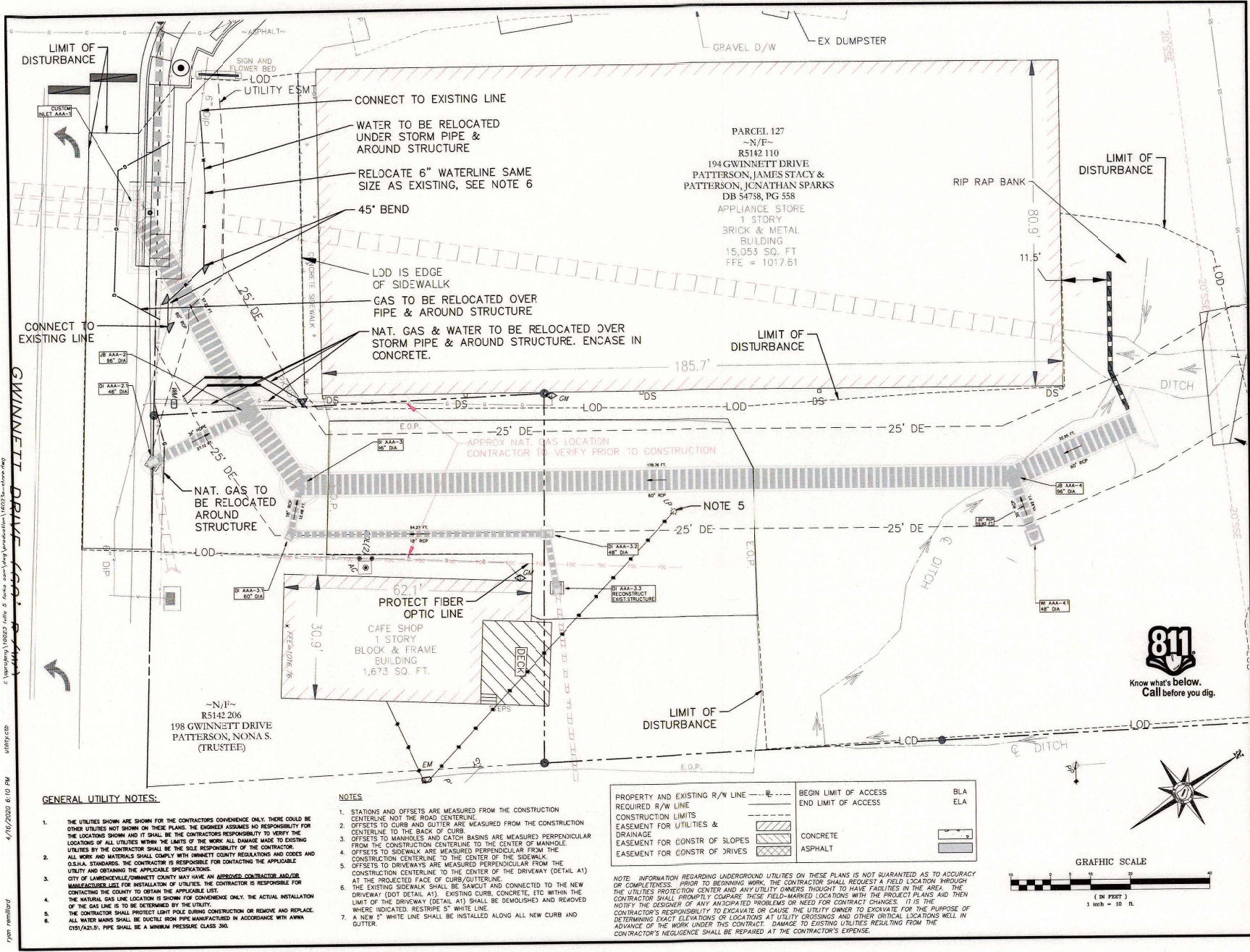
Project Title
FIVE FORKS TRICKUM SIDEWALK IMPROVEMENTS

Project Location
 Address: LAWRENCEVILLE, GA 30046
 City, State Zip
 Land Lot: 84, 109, 115, 116, 142, 147
 District-Section 5
 County: GWINNETT

Project No: 16-023
 Drawn By: RHRR
 Checked By: MDB
 Initial Issue Date: 10-01-2019
 Sheet Title

PARCEL 127 GRADING & DRAINAGE PLAN

Sheet Number
C-78.4



h
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Revision	Date	By	App.	Description

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Project Title
 FIVE FORKS TRICKUM
 SIDEWALK
 IMPROVEMENTS

Project Location
 Address: LAWRENCEVILLE, GA 30046
 City, State Zip: LAWRENCEVILLE, GA 30046
 Land Lot: 84, 108, 115, 116, 142, 147
 District/Section: 5
 County: GWINNETT

Project No. 16-023
Drawn By: RH/RB
Checked By: MDB
Initial Issue Date: 11-01-2019

Sheet Title

PARCEL 127 UTILITY PLAN

Sheet Number
C-78.5

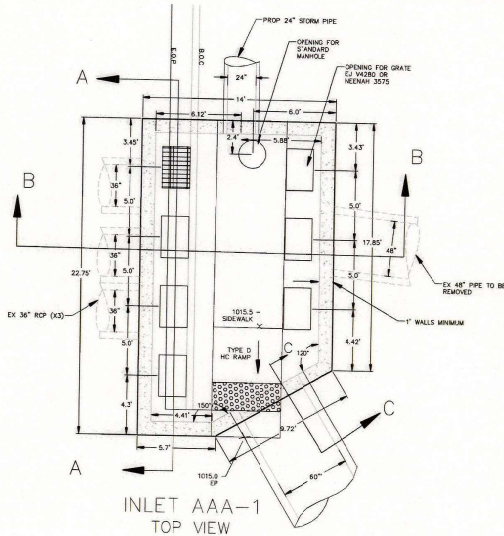
RZC2024-00054
 RECEIVED: APRIL 1, 2024
 PLANNING AND DEVELOPMENT DEPARTMENT

QUANTITY TAKE-OFF - PARCEL 127
PLAN SHEETS C-78.1 - C-78.9

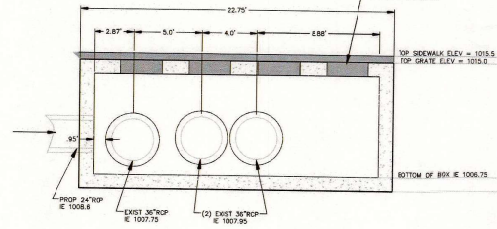
ITEM No.	GOOD No.	ITEM	UNIT	QUANTITY
5	001-0001	WARRANTIES & BONDS	L/S	1.00
10	001-0001	MOBILIZATION	L/S	1.00
15	150-1000	TRAFFIC CONTROL	L/S	1.00
SITE WORK				
50	201-1500	CLEARING AND GRUBBING	L/S	1.00
55	099-0100	DEMOLITION - INCL. REMOVAL & HAUL OFF; INSTALL; BLK. HEADS	L/S	1.00
60	210-0100	SITE GRADING COMPLETE	L/S	1.00
61	999-0200	CUTOFF WALL (DESIGN & INSTALL)	SF	306.00
ASPHALT PAVING				
70	312-1500	GR. AGGR. BASE CR5, 10 INCH, INCL. MATL. (UNDER ASPHALT)	SY	176.00
71	312-5080	GR. AGGR. BASE CR5, 8 INCH, INCL. MATL. (UNDER ASPHALT)	SY	495.00
80	400-3100	RECYCLED ASPH. CONC. 9.5 MM SUPERPAVE, TYPE 1, QP1 OR BLEND 1, INCL. BITUM. MATL. & H. LIME, & TACK COAT	TN	57.00
81	400-3190	RECYCLED ASPH. CONC. 19 MM SUPERPAVE, TYPE 1, QP1 OR BLEND 1, INCL. BITUM. MATL. & H. LIME, & TACK COAT	TN	95.80
82	310-1100	GR. AGGR. BASE CR5, ADDL FOR OVERFLOW/PARKING 1 INCH	SY	495.00
PAVEMENT STRIPING				
164	999-0250	PARKING LOT STRIPING, TRAF. PAINT, 4 IN. WHITE	LF	90
165	653-1501	THERMOPLASTIC SOLID TRAF. STRIPE, 5 IN. WHITE	LF	165.00
STORM DRAIN STRUCTURES				
250	999-0205	STRUCTURE AAA-1 SPECIALTY STRUCTURE	EA	1.00
251	999-0210	STRUCTURE AAA-2.1	EA	1.00
252	999-0215	STRUCTURE AAA-3.1	EA	1.00
253	999-0220	STRUCTURE AAA-3.2	EA	1.00
254	999-0225	STRUCTURE AAA-3.3	EA	1.00
255	999-0230	STRUCTURE AAA-4.1	EA	1.00
256	999-0235	STRUCTURE AAA-2	EA	1.00
257	999-0240	STRUCTURE AAA-3	EA	1.00
258	999-0245	STRUCTURE AAA-4	EA	1.00
259	441-0600	CONC. HEADWALL	CY	5.00
STORM DRAIN PIPING				
130	550-1150	STORM PIPE, 3/8 IN. R.C.P., H 1-10 W/ EXCAVATION, BEDDING & COMPACTION	LF	14.00
135	550-1180	STORM PIPE, 20 IN. R.C.P., H 1-10 W/ EXCAVATION, BEDDING & COMPACTION	LF	77.00
140	550-1300	STORM PIPE, 30 IN. R.C.P., H 1-10 W/ EXCAVATION, BEDDING & COMPACTION	LF	16.00
143	550-1300	STORM PIPE, 30 IN. H.D.P.E., H 1-10 W/ EXCAVATION, BEDDING & COMPACTION	LF	27.00
144	550-1600	STORM PIPE, 60 IN. R.C.P., H 1-10 W/ EXCAVATION, BEDDING & COMPACTION	LF	291.00
192	999-0235	EXTRA BEDDING	TN	1150.00
GAS PIPING RELOCATION				
215	688-2300	GAS RELOCATION INCLUDING MAINTENANCE OF FLOW	EA	80.30
WATER PIPING RELOCATION				
220	670-1080	8 IN. D.I.P. INCLUDING MAINTENANCE OF FLOW	LF	
UTILITIES ADJUSTMENT				
235	631-8140	ADJUST WATER VALVE BOX TO GRADE	EA	0.00
225	670-9790	RELOCATE EXISTING WATER METER, INCLUDING BOX	EA	0.00
230	670-5600	RELOCATE EXISTING 3/4 IN. WATER SERVICE LINE W/ S/C CONDUIT RELOCATE EXISTING GAS SERVICE LINE REMOVE & REPLACE LIGHT POLE	LF EA EA	200.00 1.00 1.00
EROSION CONTROL PHASE I				
34	163-0310	CONSTRUCTION EXIT & CONCRETE WASHOUT	EA	1.00
37	163-0541	CONSTRUCT AND REMOVE ROCK FILTER DRAIN (RF)	EA	1.00
30	163-0550	CONSTRUCT & REMOVE INLET SEDIMENT TRAP CURB INLET (S&Z-P)	EA	1.00
36	163-0550	CONSTRUCT & REMOVE INLET SEDIMENT TRAP BLOCK & GRAVEL (S&Z-R)	EA	1.00
35	165-0030	MAINTENANCE OF TEMPORARY SILT FENCE TYPE S	EA	33.00
40	165-0105	MAINTENANCE OF SEDIMENT TRAP	EA	2.00
45	171-0030	INSTALL TEMPORARY SILT FENCE TYPE S	LF	33.80
38	702-7501	TREE PROTECTION BARRIER (TP)	LF	245.90
EROSION CONTROL PHASE II				
20	163-0240	MULCH	AC	0.50
25	163-0242	TEMPORARY GRASSING	AC	0.25
37	163-0541	CONSTRUCT AND REMOVE ROCK FILTER DRAIN (RF)	EA	1.00
33	163-0541	CONSTRUCT AND REMOVE CHECK DAM STONE (C&S)	EA	6.00
30	163-0550	CONSTRUCT & REMOVE INLET SEDIMENT TRAP CURB INLET (S&Z-P)	EA	1.00
30	163-0550	CONSTRUCT & REMOVE INLET SEDIMENT TRAP FILTER FABRIC (S&Z-F)	EA	6.00
30	163-0550	CONSTRUCT & REMOVE INLET SEDIMENT TRAP CURB INLET (S&Z-P)	EA	1.00
35	165-0030	MAINTENANCE OF TEMPORARY SILT FENCE TYPE S	EA	33.80
40	165-0105	MAINTENANCE OF SEDIMENT TRAP	EA	8.00
45	171-0030	INSTALL TEMPORARY SILT FENCE TYPE S	LF	174.00
EROSION CONTROL PHASE III				
30	163-0550	CONSTRUCT & REMOVE INLET SEDIMENT TRAP CURB INLET (S&Z-P)	EA	5.00
29	163-0550	CONSTRUCT & REMOVE INLET SEDIMENT TRAP CURB INLET (S&Z-S)	EA	1.00
35	165-0030	MAINTENANCE OF TEMPORARY SILT FENCE TYPE S	EA	50.00
40	165-0105	MAINTENANCE OF SEDIMENT TRAP	EA	6.00
45	171-0030	INSTALL TEMPORARY SILT FENCE TYPE S	LF	50.00
210	700-3900	SOCD INCL. LANDSCAPING	SY	1122.00
211	700-6910	PERMANENT GRASSING	AC	0.25
212	603-2180	RIP RAP GOOD TYPE 3, 12 IN	SY	200.00

STRUCTURE NOTES

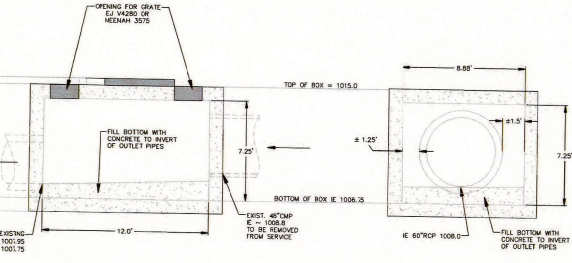
- 1. THIS DETAIL IS FOR ESTIMATION PURPOSES ONLY. THE BOX DESIGN SHALL BE DESIGN/BUILD BY A STRUCTURAL ENGINEER CAPABLE IN GEORGIA.
- 2. THE BOX SHALL BE DESIGNED FOR H-20 LOADING.
- 3. A GEOTECHNICAL ENGINEER IS TO BE CONSULTED PRIOR TO FINAL DESIGN.
- 4. THE BASE SHOULD BE INSPECTED BY A GEOTECHNICAL ENGINEER IMMEDIATELY PRIOR TO PLACEMENT OF STEEL OR CONCRETE AND WILL VERIFY THAT THE SOIL CAPABLE OF SUPPORTING THE DESIGN BEARING PRESSURE.
- 5. THE GEOTECHNICAL ENGINEER AND STRUCTURAL ENGINEER ARE TO BE PRESENT DURING CONSTRUCTION TO VERIFY THAT THE STRUCTURE IS PLACED IN ACCORDANCE WITH THE DESIGN.
- 6. A MINIMUM OF (3) CONCRETE TEST CYLINDERS MUST BE MADE PER POUR AND 98 DAY COMPRESSIVE STRENGTH MUST MEET OR EXCEED THE COMPRESSIVE STRENGTH SPECIFIED ON THE APPROVED STRUCTURAL DRAWINGS. RESULTS OF THE TEST MUST BE REVIEWED AND APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
- 7. A SEPARATE BUILDING PERMIT SHALL BE OBTAINED.
- 8. RETAIN & REPROFIT BY A THIRD PARTY IS REQUIRED AND SHALL BE PAID AS DESCRIBED IN THE CONTRACT.
- 9. CONCRETE TO BE 1000 PSI.



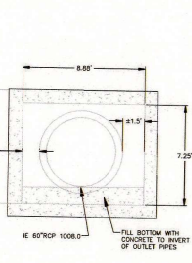
INLET AAA-1
TOP VIEW



INLET AAA-1
VIEW A-A
FRONT ELEVATION
VIEW FROM STREET



INLET AAA-1
VIEW B-B
SIDE ELEVATION



INLET AAA-1
VIEW C-C
SIDE ELEVATION

GRAPHIC SCALE



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No.	Date	Revision	Description

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Project Title
**FIVE FORKS TRICKUM
SIDEWALK
IMPROVEMENTS**

Project Location
Address -
City, State Zip LAWRENCEVILLE, GA 30046
Land Use 64, 119, 115, 116, 142, 147
District-Section 5
County GWINNETT

Project No. 16-023
Drawn By: RH/RH
Checked By: MOB
Initial Issue Date: 10-01-2019
Sheet Title

**PARCEL 127 SPECIAL BOX
INLET AAA-1 DETAIL**
Sheet Number
C-78.6

- 1. EROSION NOTES:
THE EXISTING LAND IS CURRENTLY A DEVELOPED LOT CONSISTING OF A STORE, ASPHALT PARKING LOT AND SOME WOODED AREAS. 1 EXISTING BUILDING IS WITHIN THE SITE.
THE PROPOSED USE OF THE LAND IS THE SAME AS THE EXISTING WITH THE EXCEPTION OF THE INSTALLATION OF A PIPE TO DIVERT LOW FLOWS AROUND THE BUILDING S&P PIPE BEING IN A DRAINAGE EASEMENT.
PROPERTY OWNER: JAMES & JOHNN PATTENSON
1956 NEW HOPK ROAD
PROJECT ACREAGE = 1.16 ACRES
DISTURBED AREA = 0.8 ACRES, PHASE 1 = .1 ACRE (PARCEL 127 ONLY)
THE PROPERTY IS ZONED R80, THE EAST ADJACENT PROPERTY IS ZONED R60.
THE NORTH ADJ PROPERTY IS ZONED R60S
THE RECEIVING WATER IS TRIBUTARY TO PEW CREEK
THIS SITE DOES DISCHARGE WITHIN 1 MILE OF AN IMPAIRED STREAM.
THERE ARE NO STREAM BUFFERS ON THE PROJECT.
MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE CONTRACTOR.
SEDIMENT STORAGE MAINTENANCE INDICATORS MUST BE INSTALLED IN STORAGE STRUCTURES, INDICATING THE 3/4 FULL VOLUME (DEAN OUT LEVELS).
DETENTION POND, DETENTION OUTLET STRUCTURES AND TEMPORARY SEDIMENT POND FEATURES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION GRADING.
ALL FILL SLOPES SHALL HAVE SILT FENCE PLACED AT THE SLOPE'S TOE.
CONCENTRATED FLOW AREAS AND ALL SLOPES GREATER THAN 3:1 WITH A HEIGHT OF 10 FEET OR GREATER SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATING OR BLANKET.
THERE ARE NO WETLANDS ON THE PROPOSED PROJECT.
THERE ARE NO STATE WATERS WITHIN 200 FEET OF THE PROPOSED PROJECT.
SOLID WASTE DISPOSAL TO BE OFF-SITE AS DESCRIBED IN THE SOLID WASTE MANAGEMENT APPROVAL NOT DISCHARGE TO WATERS OF THE STATE EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

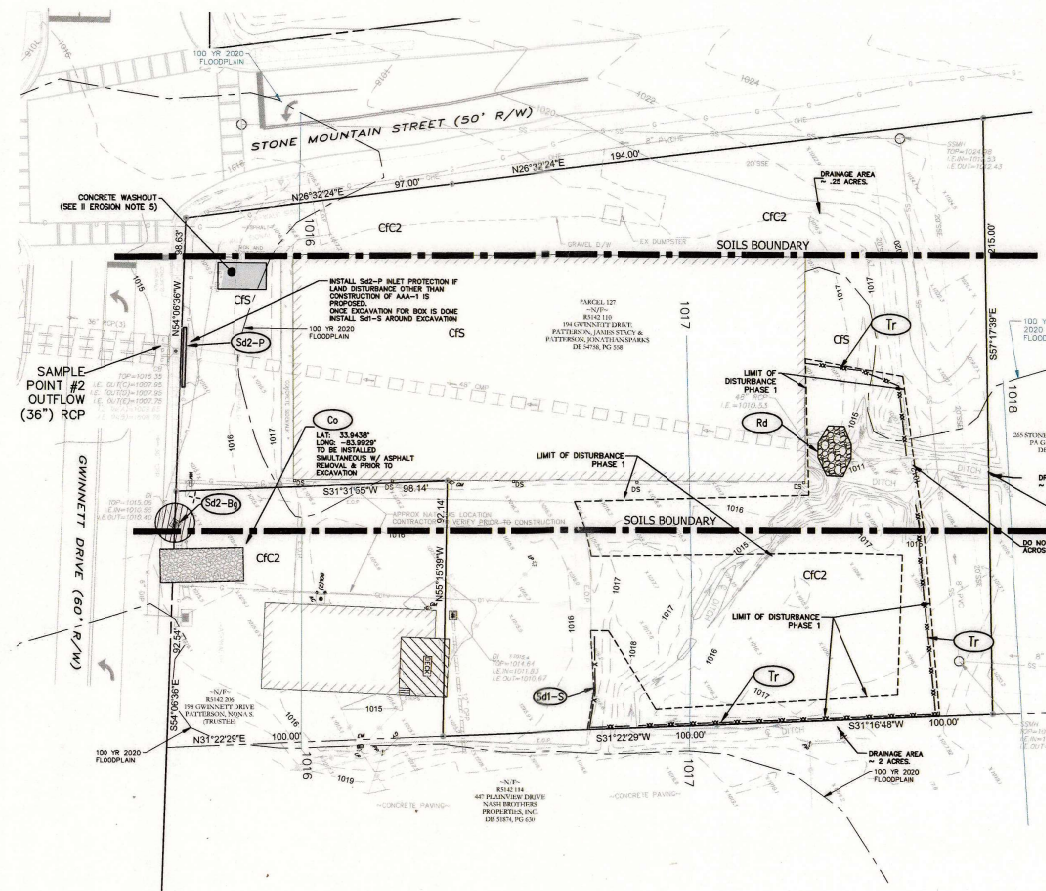
- 2. EROSION NOTES:
THE CONTRACTOR IS RESPONSIBLE FOR THE FILING BOTH A NOTICE OF INTENT AND A NOTICE OF TERMINATION (NOI/NOT) WITH THE GEORGIA E.P.D.
SEDIMENT AND EROSION CONTROL MEASURES AND PRACTICES TO BE INSPECTED DAILY.
DISTURBED AREAS ARE TO BE CROSSLAID AS SHOWN AS CONSTRUCTION PHASES PERMIT.
INSPECTIONS BY QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR 100002.
STORAGE LOCATION AND DISPOSAL PROCEDURES FOR CONCRETE TRUCK OR MIXER WASH OUTS:
CONCRETE TRUCK WASH OUT LOCATION SHALL BE IN A TEMPORARY STOCK WASH AREA LOCATED IN AN AREA DESIGNATED BY THE CONTRACTOR. WASH OUT SHALL BE CONTAINED WITHIN A PIT OR TRENCH WITH NO MATERIAL LEAVING THE SITE OR IMPACTING VEGETATED AREAS SHOW TO BE LAYED ON THE TREE SAVE PLAN. DISPOSAL OF MATERIAL SHALL BE EITHER THE BREAKING OF MATERIAL INTO ACCEPTABLE PIECES AND PLACEMENT WITHIN ACCEPTABLE FILL AREAS AS DETERMINED BY THE ON-SITE GEOTECHNICAL ENGINEER/WASHER OF THE SOILS AT THE SITE OF DEPOSITED MATERIAL.
PAINT AND/OR OTHER CHEMICALS SHALL BE STORED IN SECURED FACILITIES WITH RESTRICTED ACCESS TO EMPLOYEES OR JUDICIAL OFFICIALS. IN THE EVENT OF THE MATERIAL BEING ACCORDANCE WITH ALL RECORDED LOCAL AND FEDERAL REQUIREMENTS. ALL DISPOSAL SHALL BE APPROVED OFF-SITE WASTE FACILITIES CLASSIFIED TO ACCEPT THAT MATERIAL.
EMERGENCY PROCEDURES FOR SPILL OR REPORTABLE QUALITY OF PETROLEUM PRODUCTS: ALL PETROLEUM PRODUCTS SHALL BE STORED AND USED IN AREAS THAT PROVIDES A SECONDARY CONTAINMENT FEATURE. TYPICAL EXAMPLES OF AN EARLEIGH BERM CONSTRUCTION AROUND 3 SIDES OF THE STORAGE AREA. EMERGENCY PROCEDURES FOR SPILLS SHALL BE KEPT IN THE CONSTRUCTION TRAILER INCLUDING EMERGENCY CONTACT NUMBERS. THE CONTRACTOR SHALL LOCATED STORAGE FACILITIES IN AREAS WITH THE LEAST FORESEEABLE IMPACT OF A CONTINGENCY EMERGENCY SITUATION.
PORTALCHAINS SHALL BE LOCATED OUTSIDE AND USED DURING CONSTRUCTION.

- III. EROSION NOTES:
PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH ENTRY TO OR EXIT FROM THE SITE.
THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN-UP OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM THE VEHICLES ONTO PUBLIC ROADWAY OR INTO STREAM DRAIN MUST BE REMOVED.
PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, IRONS OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL OCCUR WITHIN THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES/EXITS, ALL PERMITTER EROSION CONTROL DEVICES AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
THE CONTRACTOR AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.
THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRIAGES WHILE ROADWAY GRADING IMPROVEMENTS ARE BEING MADE.
THE CONSTRUCTION OF THE SITE WILL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL MAINTAINED UNTIL ALL UPSTREAM GRADING WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN PAVED.
FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL THE EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO GEORGIA STANDARDS.
A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE THROUGHOUT LAND DISTURBANCE ACTIVITY IS IN PROGRESS.
THERE IS A STREAM SOUTH OF THE SITE ON THE ADJACENT SIDE OF GWINNETT DRIVE.
ON PVE = 85, ON POST = 86

- CRITICAL AREAS:
1. EXISTING ROADS
1.1. SILT FENCE SHALL BE INSTALLED AS NEEDED ALONG EXISTING EDGE OF PAVEMENT TO PREVENT SEDIMENT FROM ESCAPING
EXISTING INLETS SHALL BE PROTECTED W/ S&P AS SHOWN TO PREVENT CLOGGING OF EXISTING STORM PIPES. EXISTING PIPE SYSTEMS SHALL BE INSPECTED AND CLEANED AFTER EVERY RAINFALL.
2. THERE ARE SOME STEEP SLOPES WITHIN THE PROJECT AREA, THESE SLOPES WILL BE STABILIZED WITH THE APPROPRIATE MATING AND/OR S&P AS SHOWN.
3. THIS CONSTRUCTION TAKES PLACE WITHIN A SIGNIFICANT DRAINAGE FEATURE. FLOODING MAY OCCUR DURING HEAVY RAINFALL. A PATHWAY FOR THE UNCONSTRUCTED FLOW OF THE UPSTREAM BASIN MUST BE PROVIDED. ALL PATHS.
- DESCRIPTION OF MAJOR ACTIVITIES:
PHASE 1 EROSION CONTROL CONSISTS OF INITIAL PERIMETER CONTROLS AND INSTALLATION OF SEDIMENT STORAGE BIRPS.
PHASE 2 EROSION CONTROL CONSISTS OF MAINTENANCE OF THE PERIMETER CONTROLS AND SEDIMENT STORAGE BIRPS INSTALLED IN PHASE 1. PHASE 2 ALSO INCLUDES CLEARING GRADING AND EXCAVATION ACTIVITIES. STABILIZATION OF DISTURBED AREAS AND INSTALLATION OF BIRPS TO PREVENT ESCAPE OF POLLUTANTS INTRODUCED BY CLEARING AND GRADING ACTIVITIES.
PHASE 3 EROSION CONTROL CONSISTS OF MAINTENANCE OF BIRPS INSTALLED IN PHASE 1 & 2 AND FINAL STABILIZATION OF THE SITE AND REMOVAL OF ALL TEMPORARY EROSION CONTROL MEASURES ONCE THE SITE IS STABILIZED.

SOIL CLASSIFICATION TABLE

CIC2-Cecil clay loam, 6-10% slopes, ERODED
CIS - CHEVOLA silt loam, 0 to 2% slopes, FREQUENTLY FLOODED.



THIS SHEET IS FOR EROSION, SEDIMENT & POLLUTION CONTROL PURPOSES ONLY.

UPON NOTIFICATION AND AUTHORIZATION IF THE OWNER, THE DESIGN PROFESSIONAL WHO PREPARED THE ESRP PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERMITTER CONTROL BIRPS WITHIN 7 DAYS AFTER INSTALLATION. THE FAILURE TO OBTAIN THE INSPECTION IS A VIOLATION OF THE NOTICE FORTH.

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

AMENDMENTS/REVISES TO THE ESRP PLAN WHICH HAVE A SIGNIFICANT EFFECT ON THE SITE WITH A POTENTIAL COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBANCE ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PRODUCE EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

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

ADDITIONAL EROSION & SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEMAILED NECESSARY BY ON-SITE INSPECTION.

NOTE: CONTRACTOR SHALL REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR THE CONSTRUCTION, MAINTENANCE, AND DISPOSAL OF ALL EROSION AND SEDIMENT CONTROL MEASURES.

24 HOUR EMERGENCY CONTACT:
TEL: (XXX) XXX-XXXX

Hayes James
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CITY OF LAWRENCEVILLE
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Date	By	Appr	Description	REVISION

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Project Title
FIVE FORKS TRICKUM SIDEWALK IMPROVEMENTS

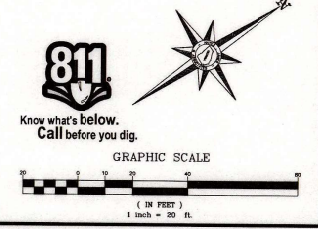
Project Location
Address
City, State Zip LAWRENCEVILLE, GA 30046
Land Lot 84, 109,115, 116, 142, 147
District-Section 5
County GWINNETT

Project No. 18-023
Drawn By: RH
Checked By: MDB
Initial Issue Date: 10-01-2019

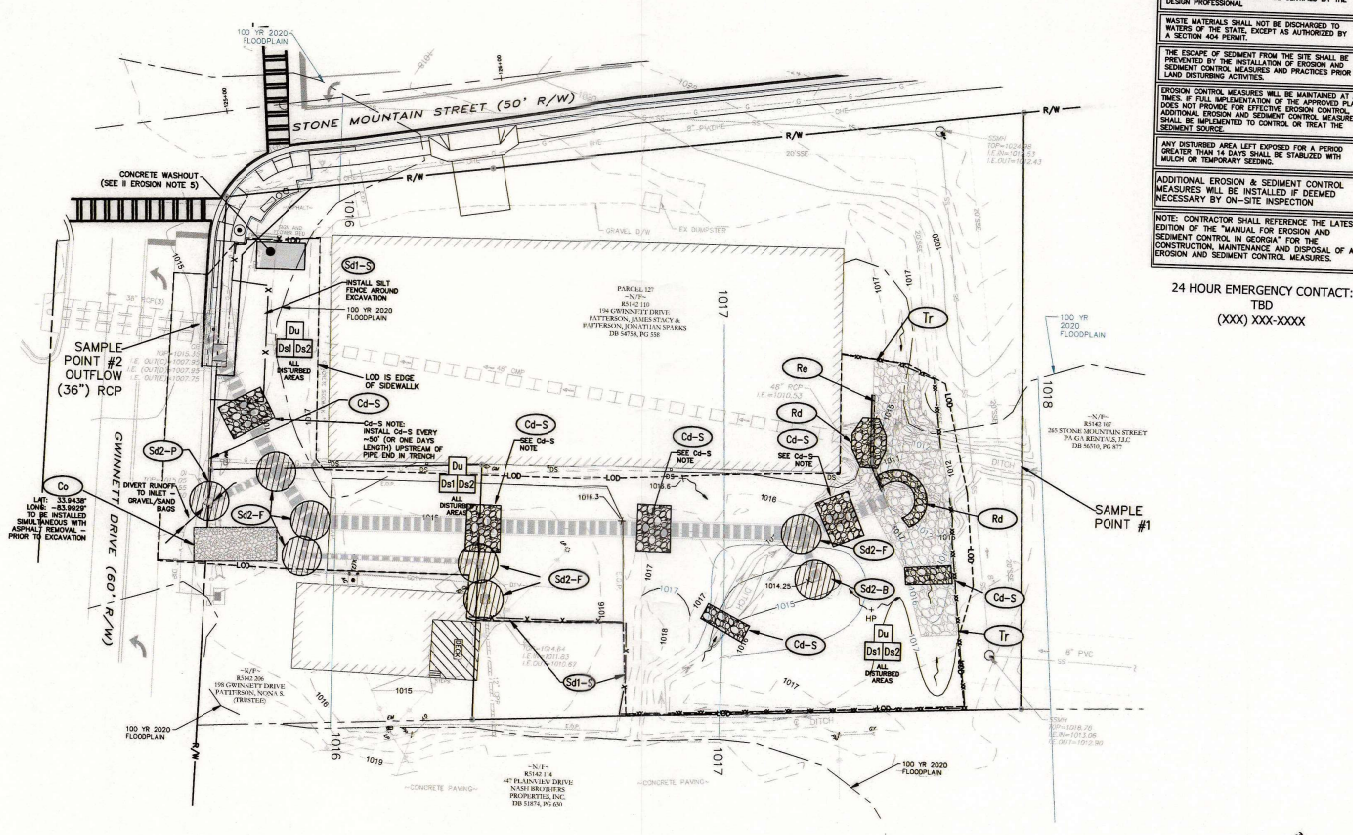
Sheet Title

PARCEL 127 ES & PC PHASE 1

Sheet Number
C-78.7



1. EROSION NOTES:
1. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE CONTRACTOR.
 2. SEDIMENT STORAGE MAINTENANCE INDICATORS MUST BE INSTALLED IN STORAGE STRUCTURES, INDICATING THE 80% FULL VOLUME (CLEAN OUT LEVEL).
 3. ALL FILL SLOPES SHALL HAVE SILT FENCE PLACED AT THE SLOPE'S TOE.
 4. CONCENTRATED FLOW AREAS AND ALL SLOPES GREATER THAN 2.5:1 WITH A HEIGHT OF 10 FEET OR GREATER SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BASKET OR RIP RAY.
 5. SEDIMENT AND EROSION CONTROL MEASURES AND PRACTICES TO BE INSPECTED DAILY.
 6. DISTURBED AREAS ARE TO BE GRASSED AS SOON AS CONSTRUCTION PHASES PERMIT.
 7. STORAGE LOCATION AND DISPOSAL PROCEDURES FOR CONCRETE TRUCK OR MOWER WASH OUT: CONCRETE TRUCK WASH OUT LOCATION SHALL BE IN A TEMPORARY TRUCK WASH AREA LOCATED IN AN AREA DESIGNATED BY THE CONTRACTOR. WASH OUT SHALL BE CONTAINED WITHIN A PIT OR TRENCH WITH THE MATERIAL LEAVING THE SITE OF IMPACTING VEGETATED AREAS SHOWN TO BE SAVED ON THE TREE SAVE PLAN. DISPOSAL OF MATERIAL SHALL BE UNDER THE BEARING OF MATERIAL WITH ACCEPTABLE PILES AND PLACEMENT WITHIN UNCLASSIFIED FILL AREAS AS DIRECTED BY THE ON-SITE GEOTECHNICAL ENGINEER.
 8. PAINT AND/OR OTHER CHEMICALS SHALL BE STORED IN SECURED FACILITIES WITH RESTRICTED ACCESS TO EMPLOYEES ONLY. CLEAN UP AND DISPOSAL OF THIS MATERIAL SHALL BE IN ACCORDANCE WITH ALL RECOGNIZED LOCAL AND FEDERAL REQUIREMENTS. ALL DISPOSAL SHALL BE APPROVED OFF-SITE WASH FACILITIES CLASSIFIED TO ACCEPT THAT MATERIAL.
 9. EMERGENCY PROCEDURES FOR SPILL OR REPORTABLE QUALITY OF PETROLEUM PRODUCTS: ALL PETROLEUM PRODUCTS SHALL BE STORED AND USED IN AN AREA THAT PROVIDES A SECONDARY CONTAINMENT FEATURE. TYPICALLY THIS WILL CONSIST OF AN EASEMENT BEING CONSTRUCTED AROUND 3' SPIES OF THE STORAGE AREA. EMERGENCY PROCEDURES FOR SPILLS SHALL BE KEPT IN THE CONSTRUCTION TRAILER INCLUDING EMERGENCY CONTACT NUMBERS. THE FORESEEABLE IMPACT OF A CATASTROPHIC EVENT SHOULD OCCUR.
 10. PORTACOMBS SHALL BE LOCATED ON-SITE AND USED DURING CONSTRUCTION.
 11. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 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 THE VEHICLES ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED.
 12. THE CONTRACTOR SHALL FINISH AND MAINTAIN ALL NECESSARY BARRIAGES WHILE ROADWAY IMPROVEMENTS ARE BEING MADE.
 13. THE CONSTRUCTION OF THE SITE WILL INTERFERE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL DRAINAGE GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN PAVED.
 14. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL THE EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO GEORGIA STANDARDS.
 15. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANCE ACTIVITY IS IN PROGRESS.



THIS SHEET IS FOR EROSION, SEDIMENT & POLLUTION CONTROL PURPOSES ONLY.

UPON NOTIFICATION AND AUTHORIZATION OF THE OWNER, THE DESIGN PROFESSIONAL, WHO PREPARED THE ESCARP, SEDIMENT STORAGE REQUIREMENTS AND PERMITTED CONTROL BASINS WITHIN 7 DAYS AFTER INSTALLATION, THE FAILURE TO OBTAIN THE INSPECTION IS A VIOLATION OF THE ABOVE PERMIT.

NON-IDENTITY ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDEVELOPED STREAM BUFFERS AS WITHIN 25-FEET OF THE POINT OF NESTED VEGETATION OR MEASURED FROM THE POINT OF THE CANAL, MANGROVE BUFFER AS WITHIN 10 FEET FROM THE ADDITIONAL DETERMINATION LINE PERMITS.

AMENDMENTS/REVISIONS TO THE ESCARP PLAN WHICH HAVE A SIGNIFICANT EFFECT ON RISES WITH A SIGNIFICANT COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

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.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL MAINTENANCE OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROVIDED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

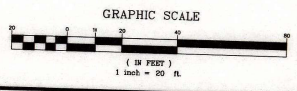
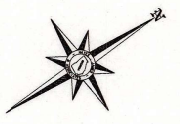
ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 4 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ADDITIONAL EROSION & SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.

NOTE: CONTRACTOR SHALL REFERENCE THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR THE CONSTRUCTION, MAINTENANCE AND DISPOSAL OF ALL EROSION AND SEDIMENT CONTROL MEASURES.

24 HOUR EMERGENCY CONTACT:
TBD
(XXX) XXX-XXXX

- CRITICAL AREAS:
1. EXISTING ROADS
 11. SILT FENCE OR HAYBALES SHALL BE INSTALLED, AS NEEDED, ALONG EXISTING EDGE OF PAVEMENT TO PREVENT SEDIMENT FROM ESCAPING INTO ROAD.
 12. EXISTING A PAVED DRIVEWAY SHALL BE PROTECTED 1/2" AS SHOWN TO PREVENT CLOSING OF STORM PIPE. EXISTING PIPE SYSTEMS SHALL BE INSPECTED AND CLEANED DURING CONSTRUCTION.
 13. DRAINAGE RUNOFF (FROM THE EAST) TO UPSTREAM DRAINAGE INLET TO REDUCE THE SURFACE RUNOFF TO 100% DURING CONSTRUCTION OF DRAIN.
 14. SEE EROSION NOTES #11 & 12.
 2. THERE ARE SOME STEEP SLOPES WITHIN THE PROJECT AREA. THESE SLOPES WILL BE STABILIZED WITH THE APPROPRIATE MATTING AND/OR RIP RAY AS SHOWN.
 3. THIS CONSTRUCTION TAKES PLACE WITHIN A SIGNIFICANT DRAINAGE FEATURING FLOODING MAY OCCUR DURING HEAVY RAINFALL. A PATHWAY FOR THE UNOBSTRUCTED FLOW OF THE UPSTREAM BASIN MUST BE PROVIDED AT ALL TIMES.



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H
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Date	By	App. / Description

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Project Title: **FIVE FORKS TRICKUM SIDEWALK IMPROVEMENTS**
Project Location:
Address: Lawrenceville, GA 30046
City, State Zip
Land Lot: 84, 108, 115, 142, 147
District-Section 5
County: GWINNETT
Project No.: 16-023
Drawn By: RH
Checked By: MDB
Initial Issue Date: 10-01-2019
Sheet: Title

PARCEL 127 ES & PC
PHASE 2

Sheet Number: **C-78.8**

C1-2a RIPRAP LINING

ROCK RIPRAP SHALL BE DESIGNED TO RESIST DISPLACEMENT WHEN THE CHANNEL IS FLOWING AT THE BANKFULL DISCHARGE OR 25-YEAR FREQUENCY DISCHARGE, WHICHEVER IS THE LESSER. ROCK RIPRAP LINING SHOULD BE USED WHEN CHANNEL VELOCITIES ARE BETWEEN 3 AND 10 FT/SEC. DUMPED AND MACHINE PLACED RIPRAP SHOULD NOT BE INSTALLED ON SLOPES STEEPER THAN 1-1/2 HORIZONTAL TO 1 VERTICAL. ROCK SHALL BE DENSE, RESISTANT TO THE ACTION OF AIR AND WATER, AND SUITABLE IN ALL OTHER RESPECTS FOR THE PURPOSE INTENDED. ROCK SHALL BE INSTALLED ACCORDING TO STANDARDS SPECIFIED IN RIPRAP, APPENDIX C.

A FILTER BLANKET LAYER CONSISTING OF AN APPROPRIATELY DESIGNED GRADED FILTER SAND AND/OR GRAVEL OR GEOTEXTILE MATERIAL SHALL BE PLACED BETWEEN THE RIPRAP AND BASE MATERIAL. THE GRAVATION OF THE FILTER BLANKET MATERIAL SHALL BE DESIGNED TO CREATE A GRADED FILTER BETWEEN THE BASE MATERIAL AND THE RIPRAP. A GEOTEXTILE CAN BE USED AS A SUBSTITUTION FOR A LAYER OF SAND OR A GRADED FILTER OR AS THE FILTER BLANKET. CRITERIA FOR SELECTING AN APPROPRIATE GEOTEXTILE AND GUIDANCE FOR RECOMMENDED DROP HEIGHTS AND STONE WEIGHTS ARE FOUND IN AASHTO MOISTURE SECTION 7.5, PERMANENT EROSION CONTROL SPECIFICATIONS.

TABLE C-1: GRADED RIP RAP STONE

VELOCITY NSA NO (FPS)	SIZE INCHES	FILTER STONE		
		MAX	AVERAGE	MIN
2.5	R-1	1 1/2	3/4	#6
4.5	R-2	3	1	#8
6.0	R-3	6	3	#10
9.0	R-4	12	6	#12

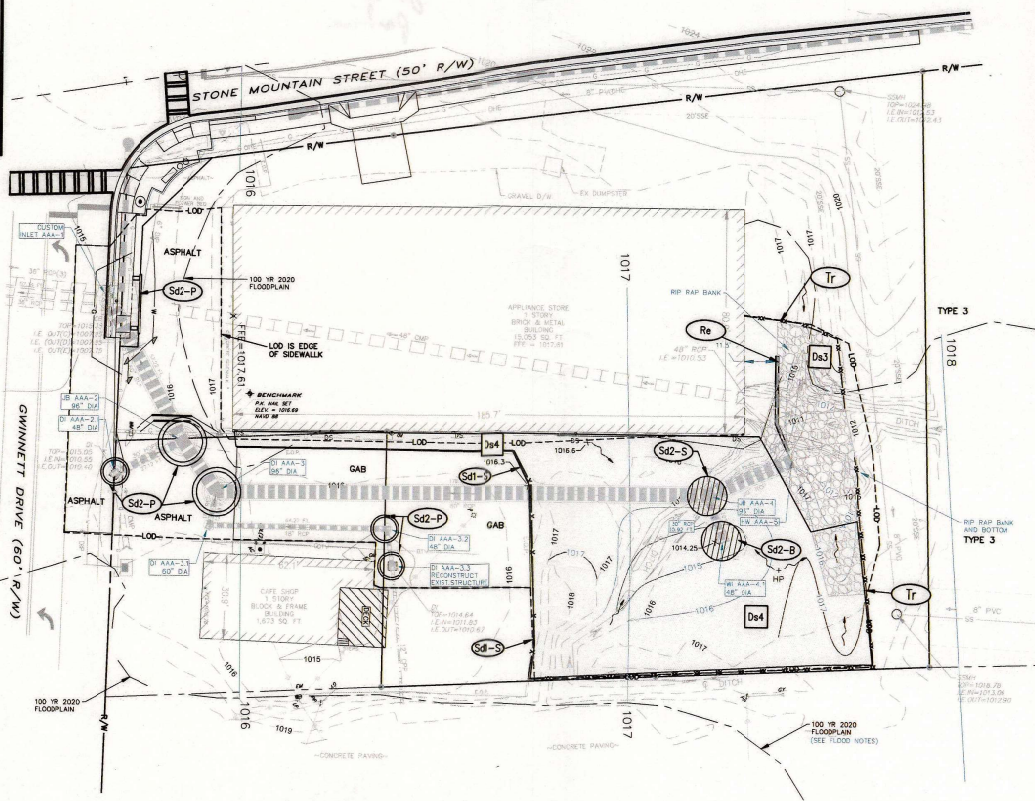
TABLE C-2 BEDDING STONE

N.S.A.#	SIZE INCHES	MESH	
		MIN	MAX
FS-1	3/8	#30	#100
FS-2	3/8	#4	#120
FS-3	6.5	2.5	#10

TABLE C-3 GRADED RIP RAP STONE

DOT #	MAX	AVERAGE	MIN	SIZES
TYPE 3	12"	7"	5"	CRACK BANKS, PIPE OUTLETS
TYPE 1	24"	12"	7"	LAKES & SHORELINES RIVERS

C1-2 CHANNEL STABILIZATION RIPRAP LINING



THIS SHEET IS FOR EROSION, SEDIMENT & POLLUTION CONTROL PURPOSES ONLY.

UPON NOTIFICATION AND AUTHORIZATION OF THE OWNER, THE DESIGN PROFESSIONAL WHO PREPARED THE ESCARP PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERMITTER CONTROL BMPs WITHIN 7 DAYS AFTER INSTALLATION. THE FAILURE TO OBTAIN THE INSPECTION IS A VIOLATION OF THE NPDES PERMIT.

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

AMENDMENTS/REVISIONS TO THE ESCARP PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

THE ESCARP OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

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.

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

ADDITIONAL EROSION & SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.

NOTE: CONTRACTOR SHALL REFERENCE THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR THE CONSTRUCTION, MAINTENANCE AND DISPOSAL OF ALL EROSION AND SEDIMENT CONTROL MEASURES.

24 HOUR EMERGENCY CONTACT:
TBD
(XXX) XXX-XXXX

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No.	Description	Date	By

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Project Title
FIVE FORKS TRICKUM SIDEWALK IMPROVEMENTS

Project Location
Address
City, State, Zip LAWRENCEVILLE, GA 30046
Land Lot 84, 109, 115, 116, 142, 147
District-Section 5
County GWINNETT

Project No. 16-023
Drawn By: MDH
Checked By: MDH
Initial Issue Date: 10-01-2019

Sheet Title

PARCEL 127 ES & PC PHASE 3

Sheet Number
C-78.9



- CRITICAL AREAS:**
- EXISTING ROADS
 - DIVERSION DITCHES AND/OR A DOUBLE ROW OF BUILT FORCE SHALL BE INSTALLED ALONG EXISTING EDGE OF PAVEMENT TO PREVENT SEDIMENT FROM ESCAPING. EXISTING INLETS SHALL BE PROTECTED BY Sd1-F OR Sd2-F AS SHOWN TO PREVENT CLOGGING OF EXISTING STORM PIPE. EXISTING PIPE SYSTEMS SHALL BE INSPECTED AND CLEANED AFTER EVERY RAINFALL.
 - INSTALL PIG-IN-BLANKETS AROUND GRATE INLETS IN PAVED AREAS UNTIL ADJACENT AREAS ARE PERMANENTLY STABILIZED.
 - THERE ARE STEEP SLOPES WITHIN THE PROJECT AREA. THESE SLOPES WILL BE STABILIZED WITH THE APPROPRIATE MATING AND RIP RAP.

