



LAWRENCEVILLE
GEORGIA

STORMWATER BOARD AGENDA

Wednesday, June 24, 2020
3:00 PM

Executive Conference Room
70 S. Clayton St, GA 30046

Call to Order

Approval of Prior Meeting Minutes

Review of Current Projects

Review of Proposed New Projects

Comments from Utility Board Staff

Final Adjournment



LAWRENCEVILLE

GEORGIA

AGENDA REPORT

MEETING: STORM WATER UTILITY BOARD OF DIRECTORS

AGENDA CATEGORY: INFORMATION & DISCUSSION

Item: Projects Update

Department: Engineering

Date of Meeting: Wednesday, May 27, 2020

Fiscal Impact: None

Presented By: Dennis Billew

Action Requested: None

Summary: Discussion of Storm Water Funding and other issues.



LAWRENCEVILLE

GEORGIA

AGENDA REPORT
MEETING: STORM WATER BOARD
AGENDA CATEGORY: INFORMATION

Item: Storm Water Utility Financial Report

Department: Engineering

Date of Meeting: Wednesday, October 23, 2019

Fiscal Impact: None

Presented By: Dennis Billew

Action Requested: None

Summary: Discussion of Financial Status of Storm Water Utility.

Attachments/Exhibits:



LAWRENCEVILLE

GEORGIA

AGENDA REPORT
MEETING: STORM WATE UTILITY BOARD
AGENDA CATEGORY: PRIJECT FOR CONSIDERATION

Item: 161 & 171 Harrington Lane
Department: Engineering/Storm Water
Date of Meeting: Wednesday, June 24, 2020
Fiscal Impact: Estimated \$59,300.00
Presented By: Johannes Louw
Action Requested: Authorize Staff to present to Council

Summary: About 160' of CMP storm drain has a rusted invert. Project will replace pipe and two headwalls.

Fiscal Impact: Louw estimated the cost at \$50,300.00. Purchasing will receive bids prior to presenting to Council.

Attachments/Exhibits:

CITY OF LAWRENCEVILLE

Stormwater Management Program

Storm water Complaint Form

Date: 2/5/2020 **Time:** 11:00 AM

Street Department: Mr. Alvarez

Address: 181 Harrington Lane

Phone: 404-597-3246

PROJECT NAME: HARRINGTON LANE STROM DRAIN PROJECT

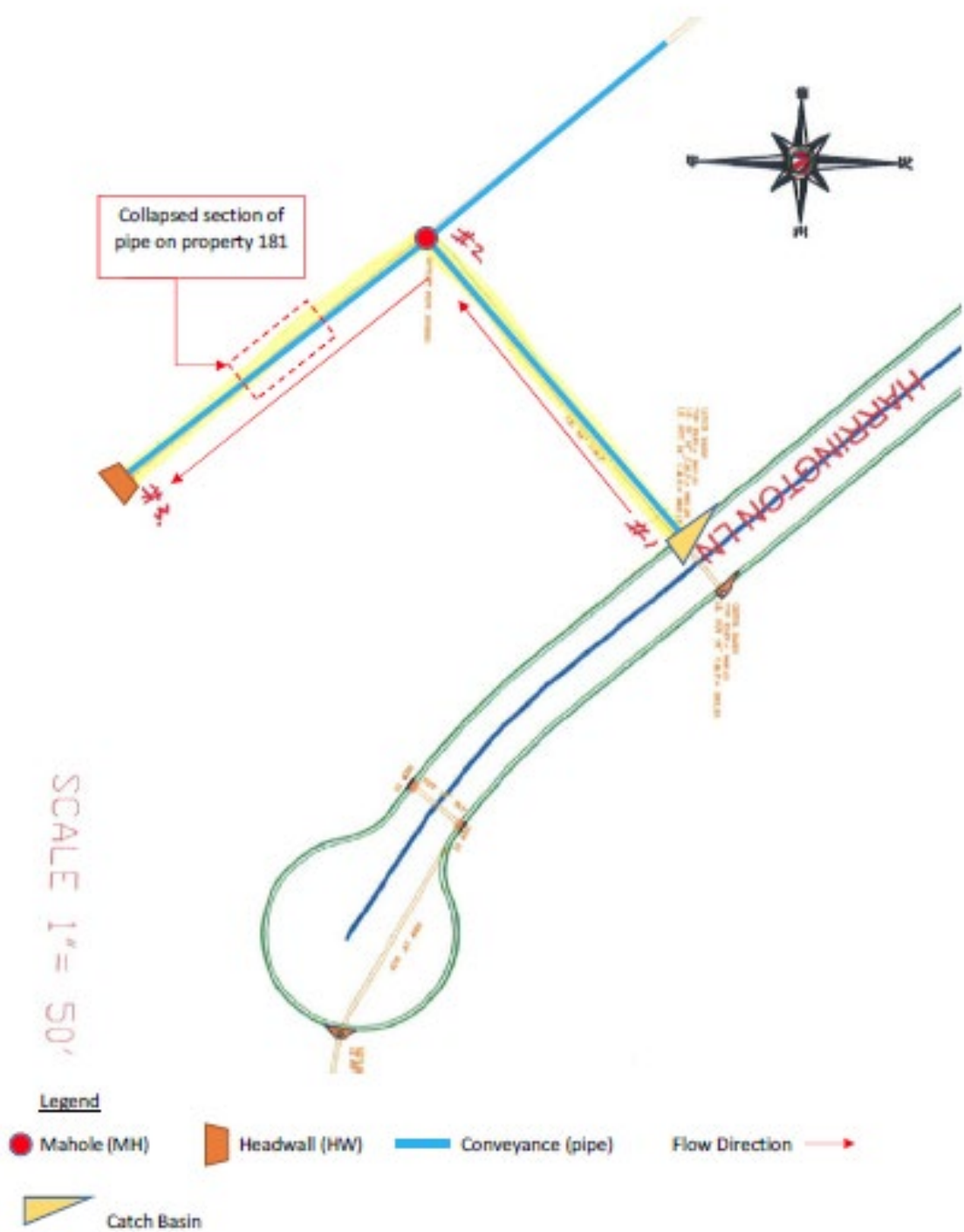
Description of Complaint: Existing 24" CMP Storm drain pipe collapsed at 181 Harrington Lane

The existing 24" CMP storm drain starts at an existing catch basin in and runs down the property lines between **161 & 171 Harrington Lane** ± 152 ' to a Junction box and then turn 90 deg. and runs ± 153 ' over properties **171 & 181 Harrington Lane** and spills at an existing 24" Precast headwall .

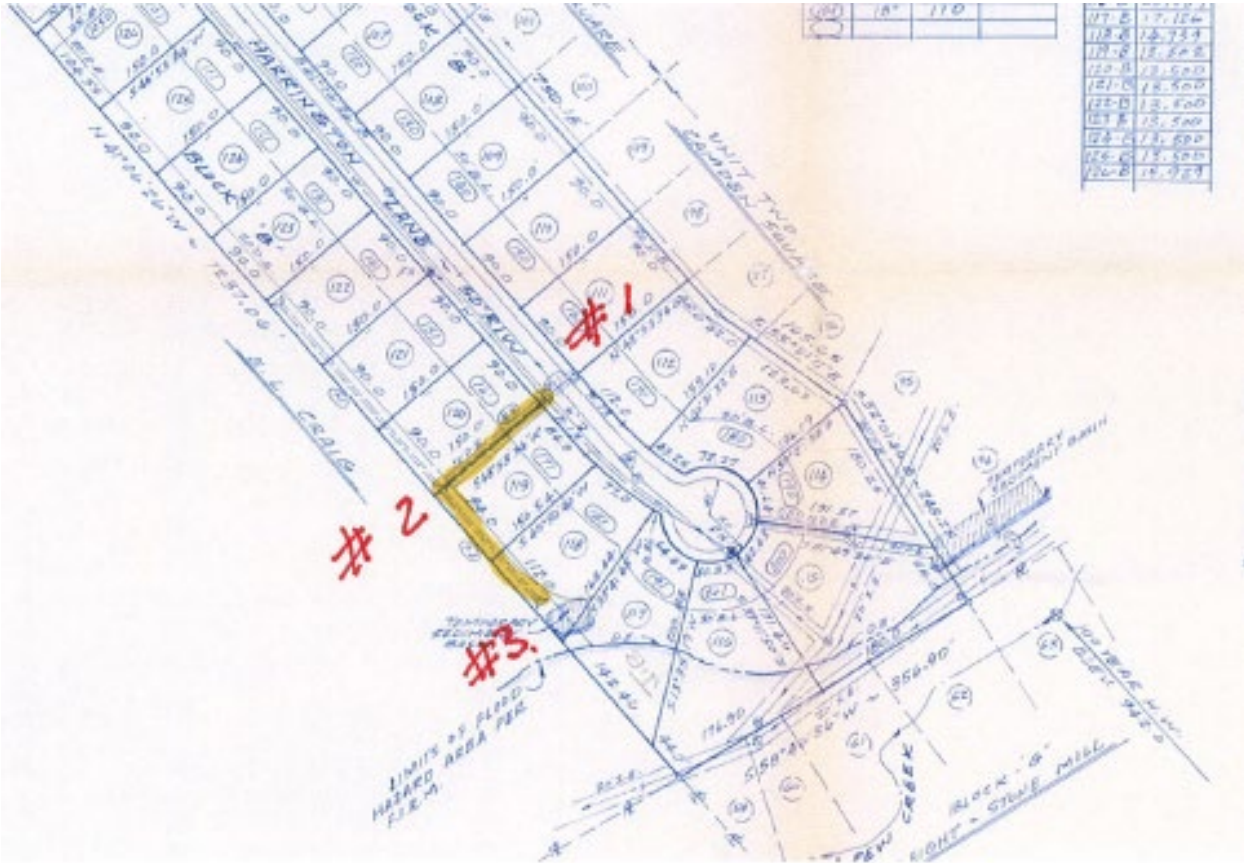
Comments:

- After investigation on 2/5/2020 was done by the City Engineering Department and reports the following.
 - We checked the subdivision plat and confirm that there is a **10' drainage easement**. (See location map of the subdivision plat below.)
-
- The size of pipe is a **24" CMP Pipe**.
 - The entire pipe system was CCTV inspected.
 - Condition of the entire pipe from the catch basin in the street up to the junction box looks good.
 - From the Junction box to the outlet headwall - the bottom part is completely rotten out.
 - Between the Headwall and the Junction box we discovered a sinkhole, where the pipe collapsed (See pictures below).
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HARRINGTON LANE STROM DRAIN PROJECT



PLAT



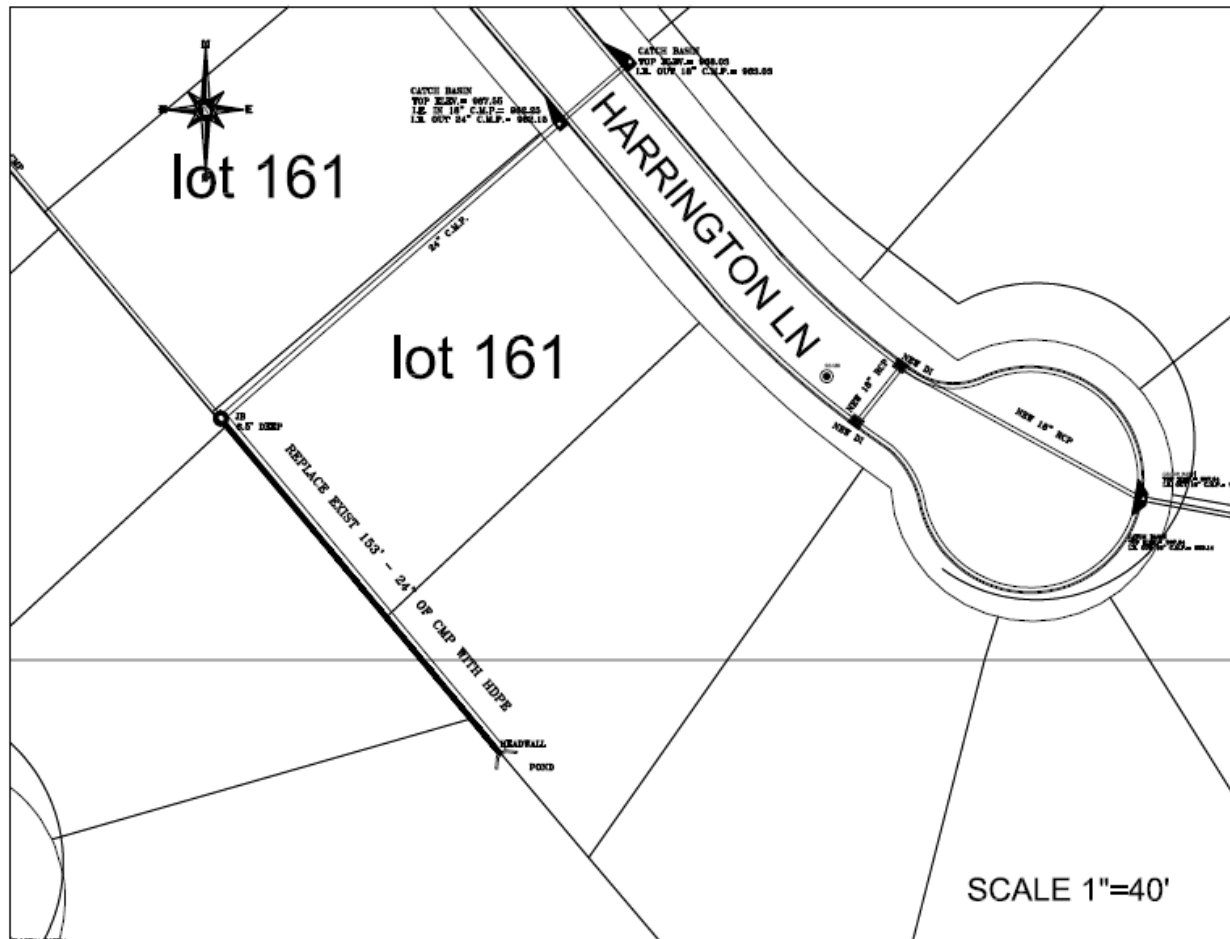
PICTURES TAKEN:







SITE PLAN



RECOMMENDATIONS

- To table this project at the next storm water utility meeting for discussion.
- To replace 153' LF (24" CMP) with 24" HDPE
- To request Engineering Dep. to send out bids to repair.

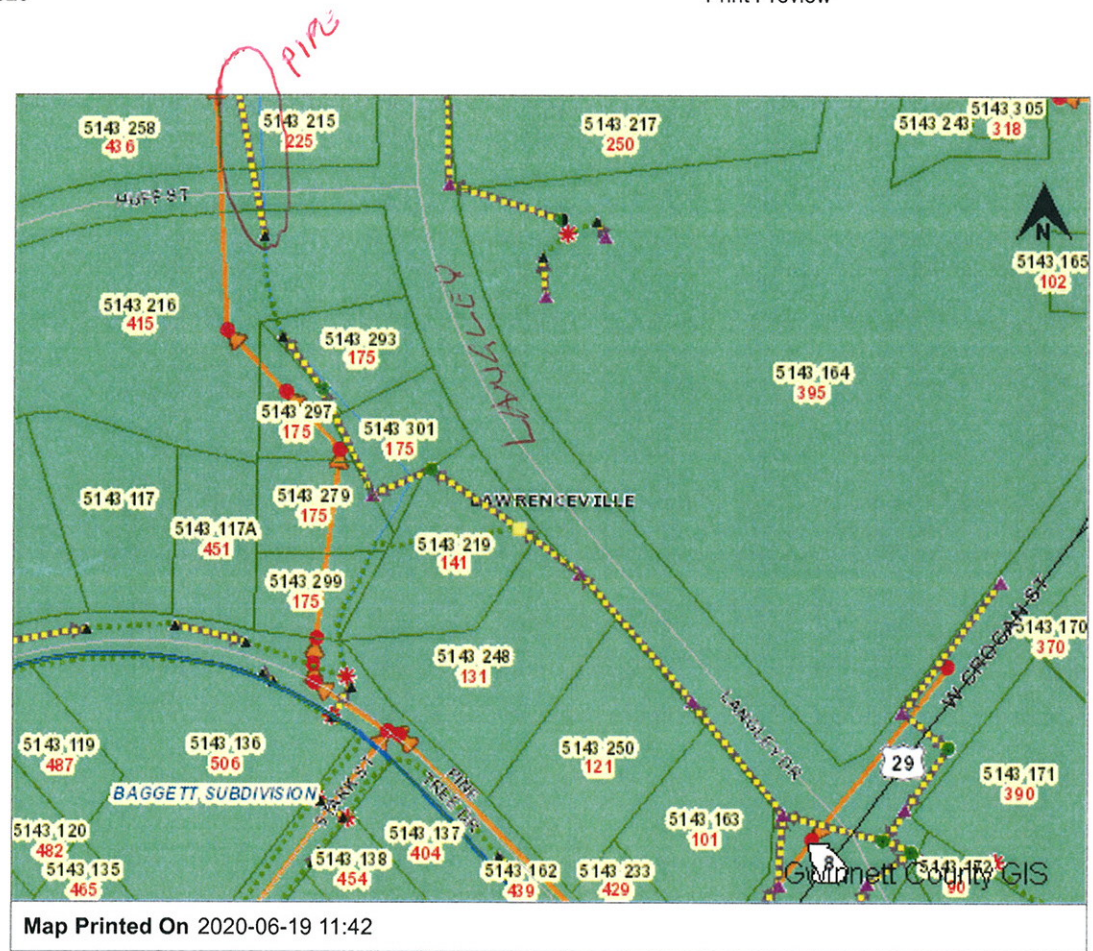
SCOPE:

To replace the 153 LF CMP with 24" HDPE.

COST EST.

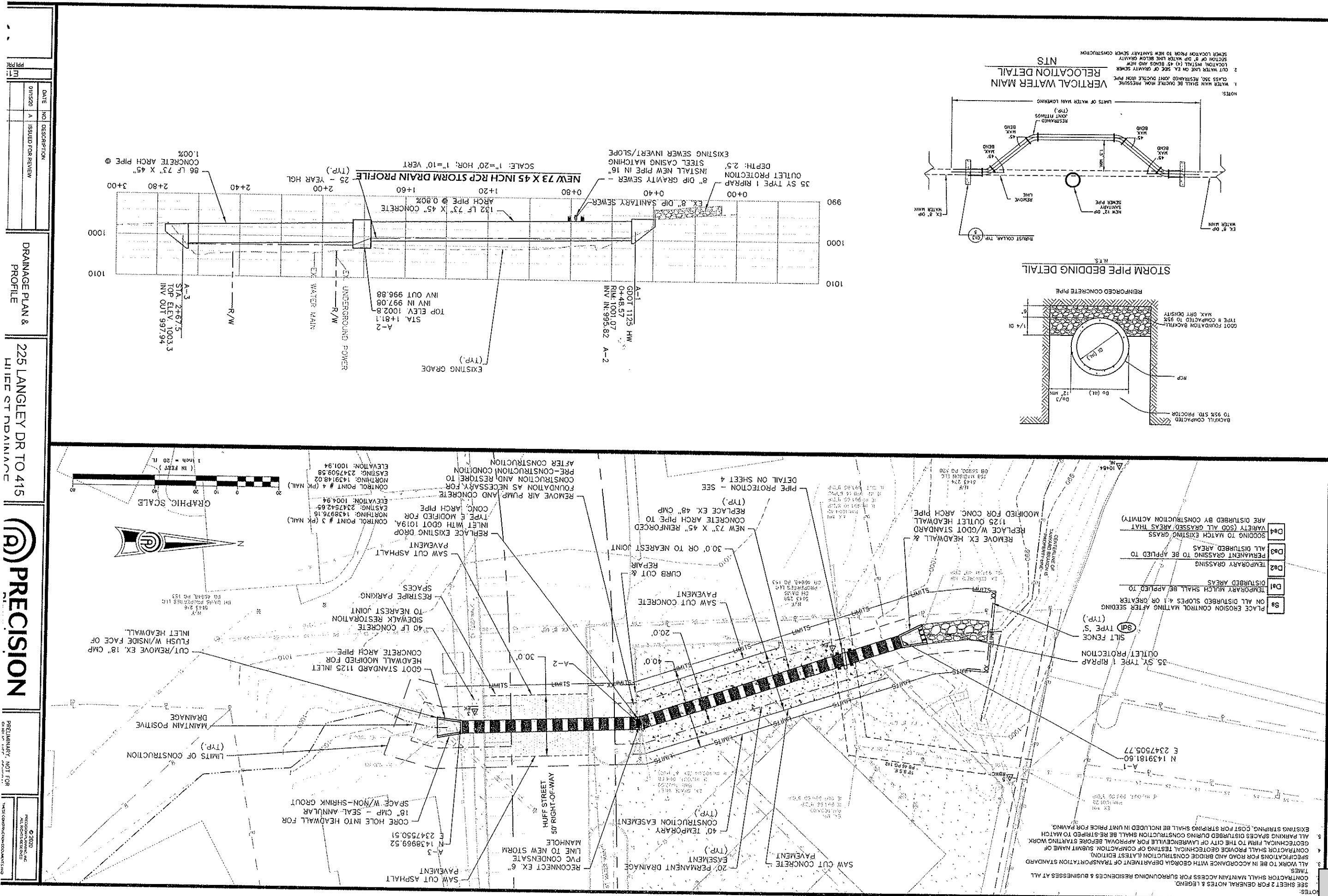
HARRINGTON LANE DRAINAGE REPLACEMENT PROJECT				COST EST.	
ITEM #	DESCRIPTION	APPROX. QTY		UNIT PRICE	TOTAL PRICE
1	Warranties & Bonds		LS		\$0.00
2	Mobilization	1	LS	\$8,000.00	\$8,000.00
3	Erosion Control - All Included	1	LS	\$3,800.00	\$3,800.00
4	Complete demolition of exist. storm drain pipe system, all shrubbery,trees, fences, sod, street saw cut & asphalt removal, and remove & replace unsuitable material & haul off.	1	LS	\$8,500.00	\$8,500.00
5	Bypass water pumping	1	LS	\$1,200.00	\$1,200.00
6	Re-Install complete Exist. 24" PRE-CAST HEADWALL	2	EACH	\$2,200.00	\$4,400.00
7	Install complete 24" HDPE PIPE, 3'- 8' deep incl. Excavation, shoring, and remove & replace unsuitable soil.	160	LF	\$142.00	\$22,720.00
8	Install stone dumped RIP RAP, TYPE. 3, (12 inch)	20	TN	\$60.00	\$1,200.00
9	Install new Fencing	1	LS	\$150.00	\$150.00
10	Permanent vegetation sod. Including mulch for land scaping, incl.fertilizer	300	SY	\$13.00	\$3,900.00
			SUB TOTAL		\$53,870.00
	10% City Contingencies (If left blank City will automatically calculate 10% of the subtotal)				\$5,387.00
TOTAL				\$59,257.00	

Comments others:



LEGEND

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OWNER: CITY OF LAWRENCEVILLE
ENGINEERING DEPARTMENT
70 S. CLAYTON ST.
CITY HALL - 3RD FLOOR, ROOM 13
LAWRENCEVILLE, GA 30046
PHONE: (678) 618-2839
CONTACT: JOHANNES LOUW
PRECISION PLANNING, INC.
400 PIKE BLVD.
LAWRENCEVILLE, GA 30046
CONTACT: RICH CROWDER, P.E.
PHONE: (770) 338-6161

1. LOCATION OF LOT LINES, PROPERTY LINES, RIGHT-OF-WAY LINES, AND OTHER LAND DIVISIONS. THE LAND DIVISIONS WERE NOT FIELD CHECKED. THEREFORE, THEY MUST ONLY BE CONSIDERED TO APPROXIMATELY REPRESENT THE ACTUAL LAND DIVISIONS, PROPERTY AND/OR EASEMENTS.

2. THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF WORK. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE BUSINESS DAYS PRIOR TO COMMENCEMENT OF WORK.

3. CONTRACTOR TO NOTIFY THE UTILITY PROTECTION AGENCY 72 HOURS PRIOR TO START OF WORK. PHONE 811

4. THE CONTRACTOR SHALL BE FINANCIALLY RESPONSIBLE FOR THE ADJUSTMENT OR RELOCATION OF ALL EXISTING UTILITIES. ALL COSTS AND/OR FEES RESULTING FROM UTILITY ADJUSTMENT OR RELOCATION SHALL BE PAID FOR BY THE CONTRACTOR.

5. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO EXCAVATION OR DEMOLITION. ADDITIONAL UTILITIES MAY NOT BE SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR LOCATIONS SHOWN.

6. IF THE CONTRACTOR DAMAGES ANY EXISTING UTILITIES DURING CONSTRUCTION, HE SHALL, AT HIS OWN EXPENSE, HAVE REPAIRED OR REPAIRED THE UTILITIES TO THEIR ORIGINAL OR BETTER CONDITION AND QUALITY, AS APPROVED BY THE OWNER AND REPRESENTATIVE OF THE APPROPRIATE UTILITY COMPANY. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONTACTING ALL AFFECTED UTILITIES PRIOR TO SUBMITTING HIS BID IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENT WILL AFFECT THE SCHEDULING OF WORK FOR THE PROJECT. SOME UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS, WHILE SOME WORK MAY BE REQUIRED AROUND UTILITY FACILITIES THAT WILL REMAIN IN PLACE. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR WILL RECEIVE NO ADDITIONAL COMPENSATION FOR ANY DELAYS OR INCONVENIENCE CAUSED BY THE UTILITY ADJUSTMENTS.

7. CONTRACTOR IS TO MEET ALL LOCAL UTILITY COMPANY REGULATIONS IN ANY READJUSTMENT OR RELOCATION OF EXISTING SERVICES.

8. WHEN CROSSING A WATER LINE, SEWER LINE, OR ANY OTHER PIPING, PIPE JOINTS SHALL BE PLACED AS FAR AWAY AS POSSIBLE FROM THE OTHER PIPE.

9. CONTRACTOR MAY TEMPORARILY RELOCATE CREEKS, STREAMS, BRANCHES OR DITCHES WITHIN THE EASEMENTS AT HIS EXPENSE USING PROPER EROSION CONTROL MEASURES, IF AUTHORIZED BY THE APPLICABLE REGULATORY AGENCY AND THE OWNER.

10. ALL CONSTRUCTION STAKING SHALL BE BY THE CONTRACTOR AT HIS EXPENSE.

11. WHEN CONSTRUCTION INVOLVES THE REMOVAL OF FENCE, POLES, SIDEWALKS, DRIVES, TEMPORARY OR FIXED STRUCTURES, THE CONTRACTOR AT HIS EXPENSE SHALL PROVIDE FOR TEMPORARY SERVICE OR CONTAINMENT TO THE AFFECTED PROPERTY, AND SHALL REPLACE SUCH ITEMS WITH SIMILAR OR BETTER MATERIALS AS SOON AS PRACTICAL OR AS DIRECTED BY THE OWNER FOLLOWING UTILITY INSTALLATION.

12. THE CONTRACTOR SHALL RESTORE OR HAVE RESTORED, AT HIS EXPENSE, ALL EXISTING FACILITIES WHICH HAVE BEEN DAMAGED DUE TO HIS CONSTRUCTION ACTIVITIES, TO THE ORIGINAL OR BETTER CONDITION. THE CONTRACTOR SHALL UTILIZE THE SAME MATERIAL COMPOSITION AS EXISTING TO REPLACE THE EXISTING FACILITIES UNLESS APPROVED OTHERWISE BY THE OWNER.

13. PEDESTRIAN AND LOCAL VEHICULAR TRAFFIC SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. SAFETY DEVICES AND FLAGMEN SHALL BE PROVIDED BY THE CONTRACTOR AT HIS EXPENSE. WRITTEN PERMISSION TO CLOSE THE CONSTRUCTION AREA TO TRAFFIC MUST BE OBTAINED FROM THE APPROPRIATE GOVERNMENT AGENCY PRIOR TO THE CLOSING. PROVIDE A DETOUR PLAN TO THE OWNER FOR APPROVAL. A MINIMUM OF TWO WEEKS BEFORE ANY ROAD CLOSURE, ALL LOCAL EMERGENCY SERVICES SHALL BE NOTIFIED IN WRITING A MINIMUM 72 HOURS PRIOR TO ROAD CLOSINGS.

14. DURING CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY TRAFFIC CONTROL MEASURES TO ENSURE SAFETY AT ALL TIMES FOR EMPLOYEES, RESIDENTS, AND MOTORISTS. IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, ANSI D6.1, LATEST REVISION.

15. ALL EARTHWORK OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF OSHA 29 CFR PART 1926, SUBPART P-EXCAVATIONS, LATEST REVISION, AND SHALL BE CONDUCTED IN A MANNER ACCEPTABLE TO OWNER.

16. INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL TAKE PLACE PRIOR TO AND CONCURRENT WITH LAND DISTURBING ACTIVITIES. ALL EROSION AND CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES AND SHALL BE INSPECTED REGULARLY USING THE EROSION AND SEDIMENT CONTROL CHECKLIST. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY THE OWNER.

17. ORANGE BARRIER FENCE SHALL BE INSTALLED INSIDE THE OUTER EASEMENT AND/OR THE OUTER PERIMETER OF CONSTRUCTION ACTIVITY.

18. DRAINAGE SYSTEMS SHALL BE MAINTAINED, KEPT FREE OF DEBRIS, AND IN OPERATING CONDITION AT ALL TIMES DURING CONSTRUCTION OF THIS PROJECT. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED OR RE-GRADDED AS REQUIRED BY THE ENGINEER, EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIED LOCATIONS IN THE PLANS AND HAVING SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.

19. ALL SIGNS, MAILBOXES, FENCING, LANDSCAPING, ETC. SHALL BE PROTECTED DURING CONSTRUCTION. SHOULD IT BE REQUIRED TO REMOVE OR DISTURB SUCH ITEMS, THE CONTRACTOR SHALL SEEK APPROVAL FROM THE OWNER FIRST AND IF APPROVED, THE REMOVAL OR DISTURBANCE OF SUCH ITEMS SHALL BE DONE AT NO ADDITIONAL COST TO OWNER. SHOULD THE OWNER DEEM ANY ITEMS AS DAMAGED, THE CONTRACTOR SHALL REPLACE THE ITEM IN LIKE AND KIND AT NO ADDITIONAL EXPENSE. TRANSPLANTED AND/OR REPLACED ITEMS SHALL BE GUARANTEED BY THE CONTRACTOR FOR ONE YEAR AFTER WORK IS COMPLETED. TRAFFIC CONTROL SIGNS AND MAIL BOXES SHALL BE REPLACED THE DAY OF THEIR REMOVAL.

20. ALL TRAFFIC CONTROL SIGNS THAT ARE REMOVED OR DAMAGED MUST BE REINSTALLED OR REPLACED. ALL SIGNS MUST BE REINSTALLED TO THE STANDARDS IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

21. NO TRENCH SHALL BE OPENED MORE THAN 150 FEET AHEAD OF PIPE LAYING AND NO MORE THAN 500 FEET OF TRENCH MAY BE OPEN AT ANY ONE TIME. CLEANUP AND GRASSING SHALL FOLLOW A MAXIMUM OF 500 FEET BEHIND PIPE INSTALLATION. AT THE END OF EACH WORKDAY, NO TRENCH IS TO BE LEFT OPEN WITHOUT THE APPROVAL OF THE INSPECTOR. ALL ACCESS AND OPERABILITY SHALL BE FULLY RESTORED.

22. CONTRACTOR SHALL FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT THAT SHALL BE APPROVED PRIOR TO USE. ALL SPOIL MATERIALS, REFUSE, AND DEBRIS SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AND LEGALLY DISPOSED OF AT AN APPROVED OFFSITE LOCATION. BURNING OF REFUSE, DEBRIS, OR SPOIL MATERIAL AT THE PROJECT SITE IS NOT ALLOWED.

23. FILL AREAS UNDER PAVED AREAS SHALL BE COMPACTED TO MINIMUM 95% STANDARD PROCTOR AND FILL AREAS UNDER NON-PAVED AREAS SHALL BE COMPACTED TO A MINIMUM 85% STANDARD PROCTOR, UNLESS OTHERWISE NOTED IN THE PLANS AND SPECIFICATIONS, OR DIRECTED BY THE ENGINEER.

24. ALL PROJECT SITE AREAS DISTURBED BY CONTRACTOR OPERATIONS SHALL BE STABILIZED WITH PERMANENT GRASSING UNLESS OTHERWISE NOTED. ANY AREAS OUTSIDE THE PROJECT SITE AREA THAT ARE DISTURBED SHALL BE RESTORED AT THE EXPENSE OF THE CONTRACTOR.

25. THE CONTRACTOR SHALL RESTORE ALL DISTURBED GRAVEL, PAVED, OR CONCRETE ENTRANCES, DRIVEWAYS, AND AREAS TO PRECONSTRUCTION CONDITIONS AND IN ACCORDANCE WITH APPLICABLE GDOT STANDARDS AND REQUIREMENTS. DRIVESWAY SHALL BE REPLACED TO THE CLOSEST EXPANSION JOINT, UNLESS OTHERWISE DIRECTED BY THE OWNER.

26. A PAVING PLAN MUST BE SUBMITTED TO AND APPROVED BY THE ENGINEER BEFORE EXECUTING ASPHALT CONCRETE CONSTRUCTION. MILLING IS REQUIRED PRIOR TO ASPHALT RESURFACING, AND IS TO BE DONE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. SURFACE OVERLAY IS TO OCCUR IN ONE OPERATION.

27. VEHICULAR AND PEDESTRIAN TRAFFIC ACCESS TO PUBLIC ROADWAYS, DRIVEWAYS, FIRE HYDRANTS, VALVES, ETC. SHALL BE MAINTAINED AT ALL TIMES FOR RESIDENTS, PARCEL DELIVERY SERVICES, SCHOOL BUSES, AND EMERGENCY VEHICLES.

28. STREET INTERSECTIONS MAY NOT BE BLOCKED EXCEPT FOR 1/2 THE ROADWAY AT ANY GIVEN TIME. IF IT BECOMES NECESSARY TO CLOSE A PORTION OF THE ROAD, THE CONTRACTOR SHALL PROVIDE A TRAFFIC ROUTING (DETOUR) PLAN AND SHALL HAVE IT APPROVED BY OWNER PRIOR TO CLOSING THE ROAD.

29. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY FLAGMEN, SIGNAGE, BARRICADES, LIGHTS, AND OTHER TRAFFIC CONTROL DEVICES NECESSARY TO CONTROL THE TRAFFIC AND PROTECT THE PUBLIC. ALL TRAFFIC CONTROL MUST BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS & HIGHWAYS. STANDARDS WITH TRAFFIC CONTROL TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE SPECIFICATIONS.

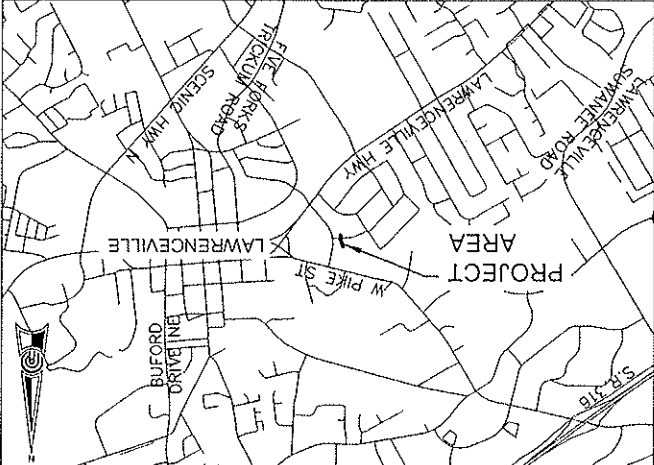
30. CONTRACTOR SHALL PROVIDE PARKING WITHIN THE CONSTRUCTION LIMITS DETAILED TO TRAFFIC. NO PARKING ON PRIVATE PROPERTY WILL BE PERMITTED.

31. IF THE CONTRACTOR ENCOUNTERS SUBSURFACE CONDITIONS DIFFERENT FROM THOSE SHOWN ON THE PLANS, HE SHALL IMMEDIATELY NOTIFY THE OWNER AND ENGINEER. NO EXISTING UTILITY SHALL BE DESCRIBED AND APPROVED BY THE OWNER AND THEN ONLY IN SUCH A MANNER AS PRESCRIBED AND APPROVED BY THE OWNER OF THE EXISTING UTILITY.

32. SHOULD IT BECOME NECESSARY TO DISTURB AN EXISTING UTILITY, THE CONTRACTOR IS TO NOTIFY THE OWNER AND THE OWNER OF THE UTILITY. WHEN NECESSARY, MADE WITH THE UTILITY OWNER TO PROPERLY CARE FOR AND RELOCATE THE UTILITY. NO CLAIMS FOR DAMAGES SHALL BE ALLOWED THE CONTRACTOR ON ACCOUNT OF ANY DELAY OCCASIONED THEREBY.

33. ALL MATERIAL TO BE REMOVED SHALL BE PROPERLY DISPOSED OF OFF-SITE AT AN AUTHORIZED LOCATION.

34. ORANGE BARRIER FENCE SHALL BE INSTALLED INSIDE THE OUTER EASEMENT AND/OR THE OUTER PERIMETER OF CONSTRUCTION ACTIVITY.





LAWRENCEVILLE

GEORGIA

AGENDA REPORT
MEETING: STORM WATER UTILITY BOARD
AGENDA CATEGORY: PROJECT FOR CONSIDERATION

Item: 415 Huff Street & 225 Langley Drive

Department: Engineering/Storm Water

Date of Meeting: Wednesday, June 24, 2020

Fiscal Impact: \$250,000.00

Presented By: Johannes Louw

Action Requested: Consideration of sending to Council for Authorization

Summary: Huff Street intersects Langley Drive about half way between West Pike and West Crogan. A culvert runs under Huff and under a convenience store parking lot to a drainage ditch. It does not pick up any street runoff from Huff, but picks up a significant amount from East Crogan and Langley.

Attachments/Exhibits: