

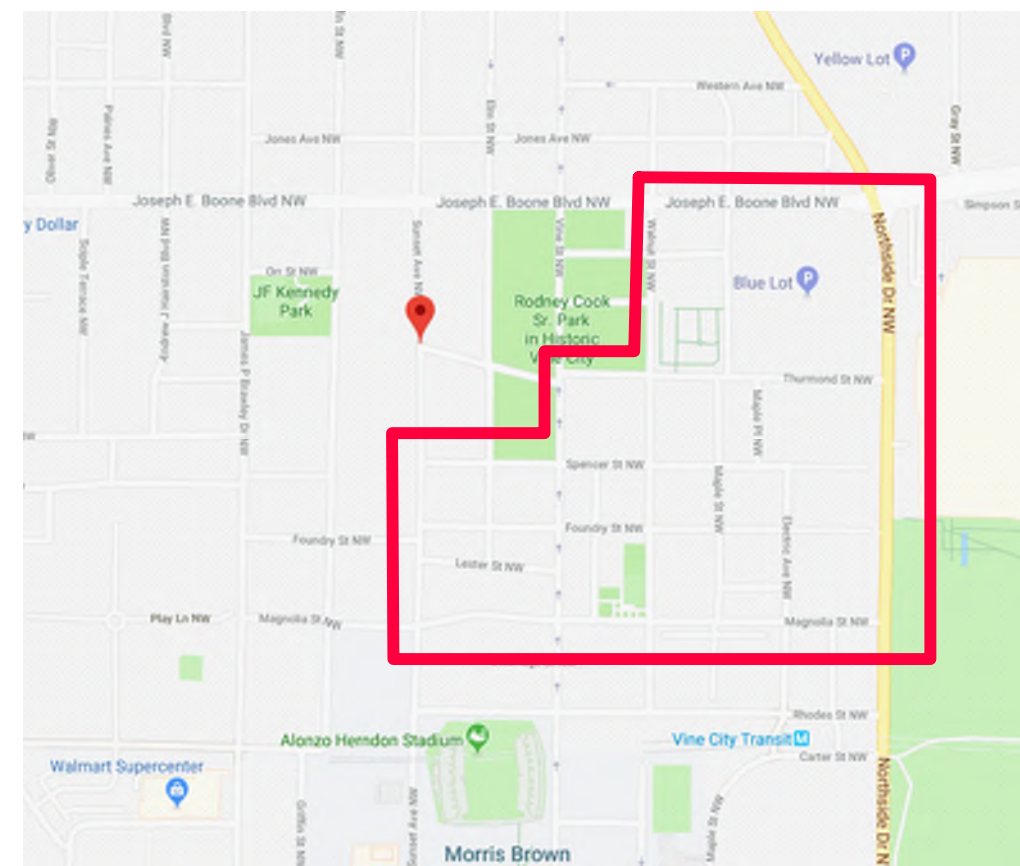
CITY OF ATLANTA

DEPARTMENT OF WATERSHED MANAGEMENT

OFFICE OF ENGINEERING SERVICES

CITY OF ATLANTA
 KEISHA LANCE BOTTOMS
 MAYOR

DEPARTMENT OF WATERSHED MANAGEMENT
 KISHIA L. POWELL
 COMMISSIONER



VICINITY MAP
 N.T.S.



PROJECT DESCRIPTION

THE UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT PHASE C IS LOCATED IN THE VINE CITY COMMUNITY SOUTH OF JOSEPH E. BOONE BOULEVARD AND WEST OF NORTHSIDE DRIVE. THE SCOPE OF WORK FOR THIS PROJECT IS TO PERFORM ALL SURVEY, GEOTECHNICAL INVESTIGATIONS, ENGINEERING DESIGN AND PERMITTING SERVICES REQUIRED TO PREPARE CONSTRUCTION DOCUMENTS FOR THE FOLLOWING PIPELINES:

THE DESIGN AND FINAL DELIVERABLES WILL IMPLEMENT INSTALLATION OF APPROXIMATELY 6300 LF OF STORMWATER AND 1300 LF OF WATER PIPELINE FOR PHASE B AND 3040 LF OF STORMWATER AND 560 LF OF WATER PIPELINE FOR PHASE C LOCATED WITHIN THE CITY OF ATLANTA RIGHT-OF-WAY.

PHASES B AND C WILL INCLUDE STORMWATER DESIGN AND GREEN INFRASTRUCTURE DESIGN METHODS TO ADDRESS DRAINAGE ENTERING THE UPPER PROCTOR CREEK CAPACITY RELIEF SYSTEM. PROVIDING SEPARATE STORMWATER AND WASTEWATER COLLECTION PIPELINES WITHIN THIS NEIGHBORHOOD WILL ALSO AFFECT THE DESIGN OF STREETS, CURBS, AND SIDEWALKS WITHIN THE AREA. A MAINTENANCE OF TRAFFIC PLAN AND TRAFFIC CONTROL DETAILS WILL BE INCLUDED IN THE FINAL CONSTRUCTION DOCUMENTS.

TREE PROTECTION ORDINANCE PLEASE NOTE THAT THESE PLANS DO REQUIRE THE REMOVAL OF TREES. COMPLIANCE WITH CITY OF ATLANTA TREE PROTECTION ORDINANCE IS REQUIRED. PLEASE CONTACT CITY OF ATLANTA ARBORIST FOR MORE INFORMATION 404-330-6874

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY PHASE C BID DOCUMENTS NOVEMBER 2019

EROSION NOTE:

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES AS REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH LAND DISTURBANCE ACTIVITY WAS PERMITTED. EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMP'S) WILL BE EMPLOYED AND ENFORCED PURSUANT TO AN EROSION AND SEDIMENT CONTROL PLAN PREPARED BY A GEORGIA SOIL AND WATER CONSERVATION COMMISSION LEVEL-2 DESIGN PROFESSIONAL.

EROSION NOTE:
 "I CERTIFY UNDER THE PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY DIRECT SUPERVISION."

ESKENDER ABEBE, P.E.
 BENCHMARK MANAGEMENT, LLC
 GSWVV LEVEL II CERTIFIED DESIGN PROFESSIONAL
 CERTIFICATION NUMBER: 0000057064
 ISSUED: 09/01/2016 EXPIRES: 09/01/2022

TREE PROTECTION ORDINANCE PLEASE NOTE THAT THESE PLANS DO REQUIRE THE REMOVAL OF TREES. COMPLIANCE WITH CITY OF ATLANTA TREE PROTECTION ORDINANCE IS REQUIRED. PLEASE CONTACT CITY OF ATLANTA ARBORIST FOR MORE INFORMATION 404-330-6874

PRIOR TO LAND DISTURBING ACTIVITIES, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA EROSION CONTROL INSPECTOR. CALL 678-614-9490 TO CONTACT THE INSPECTOR.

24-HOUR DWM CONTACT
 72 MARIETTA STREET, NW
 ATLANTA, GEORGIA 30303
 JONATHAN WALKER
 678-614-9490

24-HOUR EROSION CONTROL CONTACT
 72 MARIETTA STREET, NW
 ATLANTA, GEORGIA 30303
 JONATHAN WALKER
 678-614-9490



Know what's below.
 Call before you dig.



SUBMITTED:	LINE IS 2 INCHES
PROJECT MANAGER	AT FULL SIZE
DATE: 11/15/2019	(IF NOT 2" - SCALE ACCORDINGLY)
DESIGNED BY: TJ	
DRAWN BY: TJ	
CHECKED BY: RC	
APPROVED BY: EA	



PLAT CARDS		
52	675	111
112	945	---

REVISIONS						
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
 IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

COVER SHEET

FILE NAME	UPC 100% PH C - NON-DESIGN SHEET.DWG
BENCHMARK PROJECT NUMBER	3089 A/E
CLIENT PROJECT NUMBER	---
DRAWING NUMBER	G-100

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DRAWING INDEX - PHASE C

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GENERAL NOTES AND LEGEND	G-103
BASIN MAP	G-104A
BASIN AND OUTFALL SUMMARY	G-104B
INLET SUMMARY	G-104C - 104D
TOPOGRAPHIC SURVEY	G-105A - 105F
DEMOLITION PLANS	RDP-100 - 105
STORM SEWER PLAN AND PROFILE	DR-100 -107
TUNNEL PLANS	TN-100 -103
ROADWAY KEY MAP	RK-100
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SHEET NAME	DRAWING NUMBER
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PAVING PLANS	PP-100 - 105
SIGNING AND MARKING PLANS	RSM-100 - 106
ROADWAY PROFILES	RP-100
DRIVEWAY PROFILES	DP-100
TYPICAL ROADWAY SECTIONS	TS-100
ROADWAY CROSS SECTIONS	XS-100 - 109
STANDARD DETAILS	D-100 - 105

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 PROJECT MANAGER: _____
 DATE: 11/15/2019
 DESIGNED BY: TJ
 DRAWN BY: TJ
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PLAT CARDS

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REVISIONS

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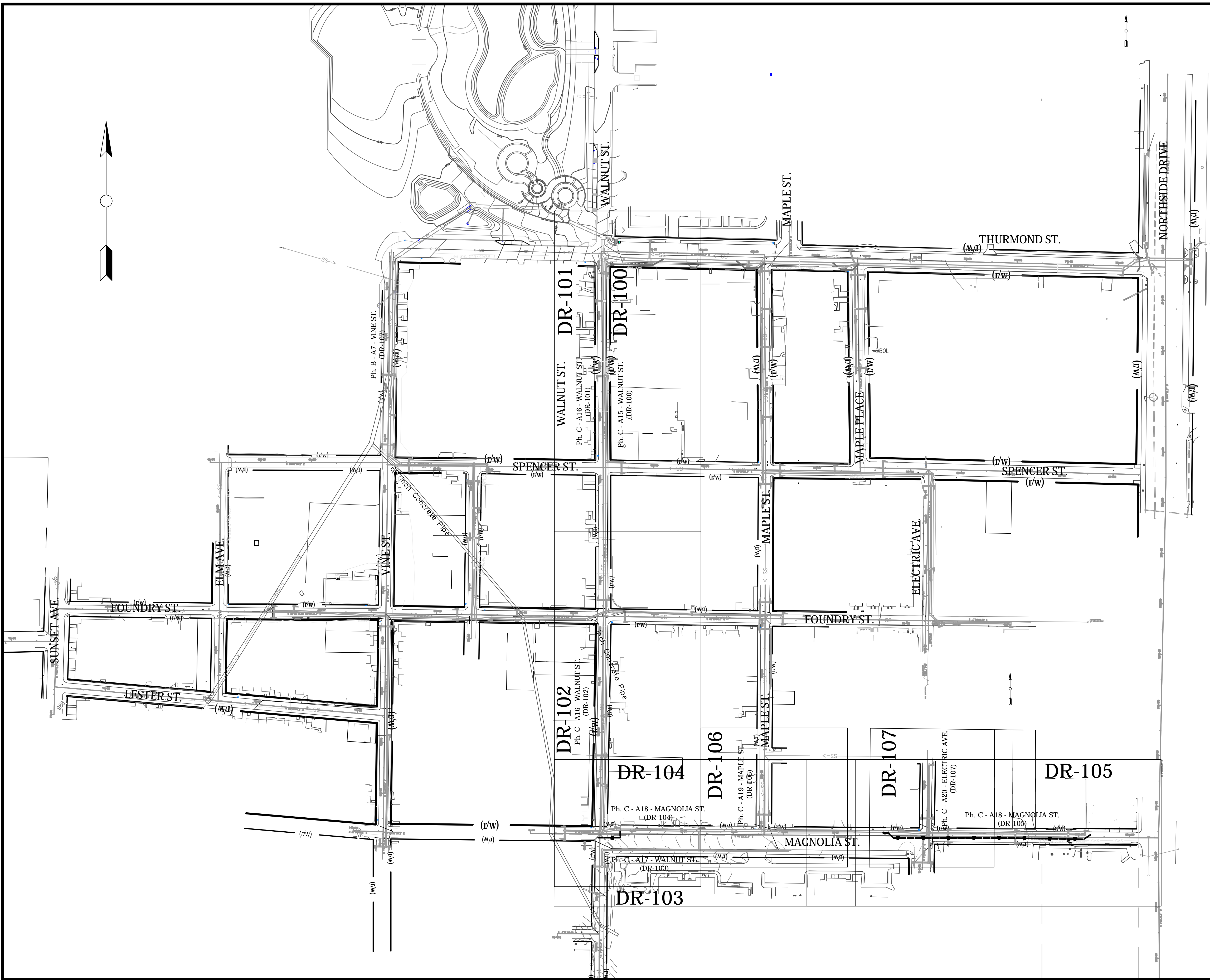
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
 IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

DRAWING INDEX

FILE NAME UPC 100% PH C - NON-DESIGN SHEET.DWG
BMMLLC PROJECT NUMBER 3089 A/E
CLIENT PROJECT NUMBER ---
DRAWING NUMBER G-101

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PLOT DATE: 11/15/2019 6:58 PM



Benchmark Management
 BENCHMARK MANAGEMENT LLC
 100 PEACHTREE STREET
 SUITE 1900
 ATLANTA, GA 30303
 TEL: (404) 581-9656
 FAX: (404) 581-0158

wsp

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
PROJECT MANAGER	DESIGNED BY: TJ
DATE: 11/15/2019	DRAWN BY: TJ
APPROVED:	CHECKED BY: RC
DATE:	APPROVED BY: EA



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REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

CITY OF ATLANTA DEPARTMENT OF watershed management

UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

STORMWATER KEY MAP

FILE NAME PH B DR-100 A1.DWG
BMMLLC PROJECT NUMBER 3089 A/E.T.O. # 19
CLIENT PROJECT NUMBER
DRAWING NUMBER G-102

GENERAL NOTES:

- THE EXISTING UTILITIES SHOWN ON THE CONTRACT DRAWINGS ARE APPROXIMATE. UTILITIES SHOWN ON THESE DRAWINGS HAVE BEEN COMPILED FROM INFORMATION FURNISHED BY THE UTILITY OWNERS AND BY SURVEY. ACCURACY AND COMPLETENESS ARE NOT GUARANTEED. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA AND FOR COORDINATING ANY NECESSARY RELOCATIONS OR TIE-INS. UTILITIES SHOWN ARE APPROXIMATE. GEORGIA LAW REQUIRES THE CONTRACTOR TO NOTIFY THE UTILITIES PROTECTION CENTER A MINIMUM OF 3 WORKING DAYS, BUT NOT MORE THAN 10 DAYS, BEFORE BEGINNING CONSTRUCTION. THIS NOTICE WILL REMAIN IN EFFECT FOR 30 WORKING DAYS FROM THE DATE UTILITIES PROTECTION CENTER IS NOTIFIED. IN THE ATLANTA AREA, THE CONTRACTOR IS TO CALL THE UTILITIES PROTECTION CENTER AT 770-623-4344.
- CONTRACTOR SHALL RETAIN A LAND SURVEYOR REGISTERED IN THE STATE OF GEORGIA TO REPLACE ANY PROPERTY PINS REMOVED DURING CONSTRUCTION. A COPY OF THE FIELD NOTES SHOWING PINS RESET SHALL BE SENT TO JOHN TOLBERT - DEPARTMENT OF WATERSHED MANAGEMENT OFFICE OF ENGINEERING SERVICES, CITY OF ATLANTA, 72 MARIETTA STREET, 5TH FLOOR, ATLANTA, GA 30303-0330.
- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE LATEST CITY OF ATLANTA STANDARDS.
- SEWER DISTANCES SHOWN ON THE PROFILE DRAWINGS ARE FROM CENTER-TO-CENTER OF THE MANHOLE STRUCTURES AND ARE FOR LAYOUT PURPOSES ONLY. THE INVERTS SHOWN ARE THE THEORETICAL PIPE INVERTS AT THE CENTER OF THE STRUCTURE.
- ALL REINFORCED CONCRETE PIPE SHALL CONFORM TO ASTM-C76 CLASS III OR AS OTHERWISE NOTED ON THE CONTRACT DRAWINGS.
- ALL PIPES ENTERING A MANHOLE WILL BE SEPARATED FROM THE MANHOLE WALL BY AN APPROVED MANUFACTURER'S BUTYL RUBBER GASKET WHICH COMPLETELY SURROUNDS THE PIPE, SEALS THE MANHOLE AND PERMITS DIFFERENTIAL MOVEMENT.
- CLASS "B" PIPE BEDDING SHALL BE USED IN PUBLIC RIGHT-OF-WAY UNLESS OTHERWISE NOTED ON THE CONTRACT DRAWINGS. CLASS "C" PIPE BEDDING SHALL BE USED IN ALL OTHER AREAS UNLESS OTHERWISE NOTED ON THE CONTRACT DRAWINGS.
- THE CONTRACTOR SHALL COORDINATE WORK WITH CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT (DWM). CONTRACTOR SHALL PROVIDE SUFFICIENT ADVANCE NOTICES OF PROPOSED WORK SCHEDULE.
- ALL AREAS DISTURBED AND DAMAGED BY THE CONTRACTOR, INCLUDING SIDEWALK, CURB AND GUTTER, AND TRENCH SETTLEMENT RELATED AREAS, SHALL BE RESTORED TO THE ORIGINAL CONDITIONS OR BETTER TO THE SATISFACTION OF THE CITY OF ATLANTA AND AT NO ADDITIONAL COST TO THE CITY.
- CONTRACTOR SHALL INSTALL 6 FOOT HIGH TEMPORARY CHAIN LINK FENCE TO PROVIDE FOR TEMPORARY ENCLOSURE OF YARDS FOR SECURITY OF PETS, DOMESTIC ANIMALS, AND THE PROPERTY WHEN PERMANENT FENCES MUST BE REMOVED DURING THE CONSTRUCTION OF STORM OR SANITARY SEWER LINES.
- CONTRACTOR SHALL ADEQUATELY CONSTRUCT AND MAINTAIN EROSION AND SEDIMENT CONTROL DEVICES IN ACCORDANCE WITH "THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", LATEST EDITION. ADEQUATE BMP'S TO BE ESTABLISHED PRIOR TO LAND DISTURBING ACTIVITIES.
- THE CONTRACTOR SHALL REPLACE ALL FENCING DAMAGED BY CONTRACTION. FENCING SHALL BE REPLACED WITH EQUIVALENT FENCING IN SIZE, QUALITY AND RESTORED TO THE ORIGINAL CONDITION, OR BETTER, TO THE APPROVAL OF THE CITY OF ATLANTA DWM OR ITS AUTHORIZED REPRESENTATIVE.
- PRIOR TO FINAL ACCEPTANCE OF WORK, CONTRACTOR SHALL PROVIDE "AS-BUILT" MARK-UP PLANS TO THE CITY OF ATLANTA ASSIGNED INSPECTOR FOR FINAL INSPECTION OF ALL NEWLY INSTALLED STORM AND SANITARY SEWERS. AND APPURTENANCES. AFTER THE FINAL INSPECTION APPROVAL, CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS TO THE OFFICE OF ENGINEERING SERVICES, UTILITY DESIGN GROUP, PROJECT DESIGN ENGINEER.
- CONTRACTOR SHALL OBTAIN NECESSARY PERMITS FROM THE CITY OF ATLANTA DEPARTMENT OF PUBLIC WORKS AND, IF APPLICABLE, FROM THE GEORGIA DEPARTMENT OF TRANSPORTATION PRIOR TO ANY REQUIRED LANE CLOSURES.
- INSTALLATION OF NEW STORM AND SANITARY SEWERS, INCLUDING TRENCH EXCAVATION, SHOULD BE FINISHED BY CLOSE OF DAY, OR ADEQUATELY COVERED FOR SAFETY.
- CONTRACTOR SHALL ADEQUATELY INSTALL STEEL COVER PLATES TO PROTECT AREAS, INCLUDING DRIVEWAYS LEFT OPEN AT THE END OF EACH DAY'S WORK. CONTRACTOR SHALL MAINTAIN ACCESS TO THE ROADS, DRIVEWAYS AND MAILBOXES AT ALL TIMES.
- THERE SHALL BE NO TRACKING OF DIRT, SOILS, AND SEDIMENTS OR DUST ONTO THE STREETS. ANY DEBRIS SHALL BE CLEANED UP IMMEDIATELY. THE PLAN SHALL INCLUDE THE BEST MANAGEMENT PRACTICE TO BE IMPLEMENTED AT THE SITE OR CONSTRUCTION ACTIVITY. (SEE NOTE 8 HEREIN).
- THE CONTRACTOR SHALL CONTROL DUST CREATED BY CONSTRUCTION ACTIVITIES, INCLUDING SWEEPING AND WATERING AS REQUIRED.
- THE LENGTH OF PIPE FOR PAYMENT PURPOSE WILL BE CONSIDERED THE DISTANCE FROM THE CENTER OF MANHOLE TO CENTER OF MANHOLE, LESS THE WIDTH OF THE MANHOLE.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIANS, LOCAL VEHICLES, AND EMERGENCY VEHICULAR TRAFFIC AT ALL TIMES DURING CONSTRUCTION, AS NECESSARY. THE CONTRACTOR SHALL PROVIDE SAFETY DEVICES, POLICE OFFICERS, AND FLAGGERS TO DIRECT TRAFFIC. THE CONTRACTOR MUST OBTAIN WRITTEN APPROVAL FROM THE DEPARTMENT OF PUBLIC WORKS BEFORE CLOSING THE CONSTRUCTION AREA TO PEDESTRIANS, LOCAL VEHICLES, AND EMERGENCY VEHICULAR TRAFFIC.

- EVERY INSTALLED FITTING SHALL BE LEFT EXPOSED UNTIL INSPECTED AND APPROVED BY THE DWM DESIGNATED REPRESENTATIVE.
- PIPE CUT FOR FITTING INSTALLATION SHALL BE AT LEAST ONE HALF OF THE TOTAL PIPE LENGTH.
- THE CONTRACTOR SHALL COMPLETE CLEANUP OF THE WORK AREA AT THE END OF EACH WORK DAY. CLEANUP WILL CONSIST OF THE TRENCH BEING FULLY BACKFILLED WITH CONCRETE CAP OR STEEL PLATES IN PLACE AND ALL DIRT AND/OR MUD SWEEP OR WASHED OFF THE EXISTING PAVEMENT. ALL MATERIALS AND DEBRIS SHALL BE REMOVED FROM THE STREET AND SIDEWALKS. WORK OUTSIDE PERMITTED WORK HOURS SHALL BE APPROVED BY CITY OF ATLANTA DWM.
- CUT AND PLUG EXISTING SEWERS ALONG ALL STREETS AFTER THE NEW SEWER HAS BEEN PUT IN SERVICE.
- SOIL MATERIAL EXCAVATED FROM THE TRENCH IS EXPECTED TO BE SUITABLE FOR BACKFILL FOLLOWING SEWER MAIN INSTALLATION. ANY EXCESS EXCAVATED MATERIALS SHALL BE IMMEDIATELY REMOVED FROM THE SITE. NO STOCKPILES ARE PERMITTED IN ANY VEHICULAR OR PEDESTRIAN TRAFFIC AREAS.
- BYPASS PUMPING SHALL BE FROM THE NEAREST UPSTREAM MANHOLE TO DOWNSTREAM MANHOLE PAST SPECIFIC PROJECT WORK AREA.
- CONTRACTOR TO INSTALL CLEANOUTS PER DETAIL AND RESTORE ALL EXISTING DAMAGED LATERALS WITH NEW 6-INCH D.I.P. PIPING WHERE DIRECTED BY DWM DESIGNATED FIELD PERSONNEL.
- ALL POINT REPAIRS ARE TO BE PERFORMED USING CONTRACTOR'S MEANS AND METHOD WITH COA'S INSPECTOR'S PRESENCE AND APPROVAL ON SITE BEFORE PROCEEDING WITH REPAIR.
- CONTRACTOR TO UTILIZE MATS AND/OR OTHER CONSTRUCTION METHOD TO PROTECT HARDSCAPE FEATURES (EX. PAVERS, SIDEWALK, ETC.) WHEN WORKING ALONG ADJACENT CONSTRUCTION AREAS.
- CONTRACTOR SHALL ENTER PRIVATE PROPERTY ONLY AFTER OBTAINING RIGHT OF ENTRY LETTER FROM THE CITY OF ATLANTA AND NOTIFYING HOMEOWNER THREE DAYS IN ADVANCE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPORTING ALL UTILITIES WITHIN THE EXCAVATION LIMITS DURING CONSTRUCTION.
- CONTRACTOR SHALL LOCATE AND REFERENCE ALL WATER METERS AND VALVES WITHIN THE CONSTRUCTION LIMITS. THE REFERENCE POINTS SHALL BE LOCATED SO THAT THE REFERENCE WILL NOT BE DISTURBED AND THE LOCATION OF THE METERS AND VALVES CAN BE RE-ESTABLISHED. A PERMANENT WRITTEN RECORD OF THE REFERENCE POINTS WILL BE FURNISHED TO THE CITY OF ATLANTA. ACCESS TO FIRE HYDRANTS WILL BE MAINTAINED AT ALL TIMES.
- ALL TRENCHING AND BACKFILLING SHALL BE IN ACCORDANCE WITH CITY OF ATLANTA STANDARD DETAILS. TEMPORARY TRENCH EXCAVATION SHALL AT ALL TIMES CONFORM TO THE SAFETY REQUIREMENTS OF OSHA.
- THE SURVEY INFORMATION SHOWN HEREIN IS BASED ON DATABASE FURNISHED BY THE CITY OF ATLANTA WITH AUGMENTATION BY FIELD SURVEYS. IT IS THE CONTRACTORS RESPONSIBILITY TO STAKEOUT ALL PROPOSED WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING CONSTRUCTION.
- AT THE COMPLETION OF SEWER CONSTRUCTION, SET ALL MANHOLES, VALVE BOXES, METERS, AND APPURTENANCES FOR PROPER FINAL GRADE. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO THE ABOVE ITEMS UNTIL SYSTEM IS ACCEPTED BY THE CITY.
- ALL SOIL BACKFILL MATERIAL SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY FOR THE SOIL AS DETERMINED BY THE STANDARD PROCTOR TEST (ASTM D-698 AND AASHTO T-99) RESULTS. REPORTS MAY BE REQUIRED BY THE CONSTRUCTION INSPECTOR OR THE CITY'S ENGINEER FOR ALL FILL AREAS. BACK FILL MATERIAL SHALL BE FREE OF ROOTS, ROCKS AND OTHER DELETERIOUS MATTER. TRENCH BEDDING SHALL BE SEWER BEDDING AND HAUNCHING.

PROJECT NOTES:

- PROJECT PURPOSE**
THIS PROJECT PROVIDES STORM WATER CAPACITY IMPROVEMENTS BY SEPARATING STORM WATER AND WASTE WATER COLLECTION PIPELINES WITHIN THE VINE CITY COMMUNITY. PHASE B INCLUDES APPROXIMATELY 6300 LF OF STORM WATER AND 1300 LF OF WATER PIPELINE AND PHASE C INCLUDES APPROXIMATELY 3040 LF OF STORM WATER AND 560 LF OF WATER PIPELINE WITHIN THE CITY OF ATLANTA RIGHT-OF-WAY.
- OWNER / DEVELOPER**
CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT
72 MARIETTA STREET
ATLANTA, GEORGIA 30303
(678)-614-9490 OFFICE
- 24-HOUR CONTACT**
CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT
72 MARIETTA STREET
ATLANTA, GEORGIA 30303
(678)-614-9490 OFFICE
- PROJECT ADDRESS / LOCATION**
THIS PROJECT IS LOCATED WITHIN THE HISTORIC VINE CITY COMMUNITY SOUTH OF JOSEPH E. BOONE BOULEVARD AND WEST OF NORTHSIDE DRIVE.

- SITE VISIT**
THE PROPOSED ROUTE AND IMMEDIATE VICINITY WAS VISITED BY THE PLAN DESIGNER ON MAY15, 2018 PRIOR TO COMPLETING THE EROSION CONTROL PLAN.
- FIELD WORK COMPILED BETWEEN 7/16/18 THRU 9/4/18.**
- HORIZONTAL LOCATION BASED ON NAD83 ~ GA WEST ZONE 1002.**
- VERTICAL DATUM (IF SHOWN) BASED ON GPS NAVD88, GEOID 12B.**
- UNDERGROUND UTILITY LOCATION BASED OFF OF ELECTROMAGNETIC DETECTION, COA GPS AND GROUND PENETRATING RADAR.**
- HORIZONTAL LOCATION OF UTILITIES HAVE AN ACCURACY OF ONE FOOT TO BOTH SIDES OF THE SURVEYED LINES.**
- VERTICAL LOCATION (IF SHOWN) OF UTILITIES HAVE AN ACCURACY OF ONE FOOT ABOVE AND BELOW THE SURVEYED LINES.**
- GAS LABELED "LEVEL "D" BY OTHERS " IS GAS MARKED IN FIELD BY OTHER UTILITY COMPANY.**
- GAS LABELED "LEVEL "D" (PER PLAN)" IS GAS ADDED TO DRAWING BASED ON PLANS RECEIVED BY UNITED CONSULTING DURING RESEARCH.**
- TOTAL PROJECT AREA: 1.98 ACRES
TOTAL DISTURBED AREA: 1.13 ACRES**
- 100-YEAR FLOOD PLAIN**
THIS PROJECT DOES NOT APPEAR TO CROSS IDENTIFIED 100-YEAR FLOOD PLAIN HAZARD AREAS IN FULTON COUNTY AS PER THE FOLLOWING LOCATIONS:
FULTON COUNTY F.I.R.M. COMMUNITY PANELS:13121C0243F AND 13121C0244F
DATED: SEPTEMBER 18, 2013
- WETLANDS**
BASED ON VISUAL RECONNAISSANCE ON MAY 15, 2018, THE PROJECT ROUTE DOES NOT APPEAR TO IMPACT DESIGNATED WETLANDS.
- STATE WATERS**
BASED ON VISUAL RECONNAISSANCE ON MAY 15, 2018, THE PROJECT ROUTE DOES APPEAR TO CROSS STATE WATER.

LEGEND							
	EXISTING SANITARY SEWER MANHOLE	E/P	EDGE OF PAVEMENT		60' STREAM BUFFER (STATE)		EROSION MATTING AND BLANKETS
	PROPOSED SANITARY SEWER MANHOLE	MB	EXISTING MAIL BOX		25' STREAM BUFFER (COUNTY)		CONSTRUCTION EXIT
	EXISTING WATER VALVE	WM	EXISTING WATER METER		STREAM BANK AND FLOW DIRECTION		HAY BALE CHECK DAM
	EXISTING FIRE HYDRANT	WMV	EXISTING WATER METER VAULT		WETLANDS LIMITS		CHANNEL STABILIZATION WITH RIP-RAP
	EXISTING STREET SIGN	QMP	CORRUGATED METAL PIPE		100 YR FLOOD		STREAM BANK STABILIZATION RIP-RAP & LIVE STAKING
	EXISTING LAMP POST	RCP	REINFORCED CONCRETE PIPE		PIPE INLET SEDIMENT TRAP		PIPE OUTLET TO FLAT AREA
	EXISTING UTILITY POLE	DIP	DUCTILE IRON PIPE		DISTURBED AREA STABILIZATION W/SOD		DROP INLET SEDIMENT TRAP
	EXISTING POWER TRANSFORMER	CTV	EXISTING CABLE TV BOX		TEMPORARY/PERMANENT VEGETATION COVER		TEMPORARY STREAM CROSSING (CULVERT CROSSING)
	EXISTING TELEPHONE MANHOLE				CURB INLET SEDIMENT TRAP		CONCRETE WASHOUT STRUCTURE
	EXISTING STORM JUNCTION BOX				REVISION CLOUD		CONSTRUCTION ROAD STABILIZATION
	EXISTING STORM HEADWALL				SEDIMENT BARRIER		DEMOLITION / GROUT FILL
	EXISTING STORM CATCH BASIN				DEMOLITION / GRAVEL FILL		SLIT FENCE TYPE AS SPECIFIED
	EXISTING STORM DROP INLET				CONSTRUCTION LIMITS		
	EXISTING TELEPHONE SWITCH BOX						
	TELEPHONE CABLE MARKER						
	EXISTING GUIDE WIRE						
	IRON PIN/PROPERTY CORNER MARKER						
	EXISTING TRAFFIC SIGNAL BOX						
	EXISTING GAS METER						
	EXISTING GAS VALVE						
	RIGHT OF WAY						
	PROPERTY LINE						

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Benchmark Management
BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

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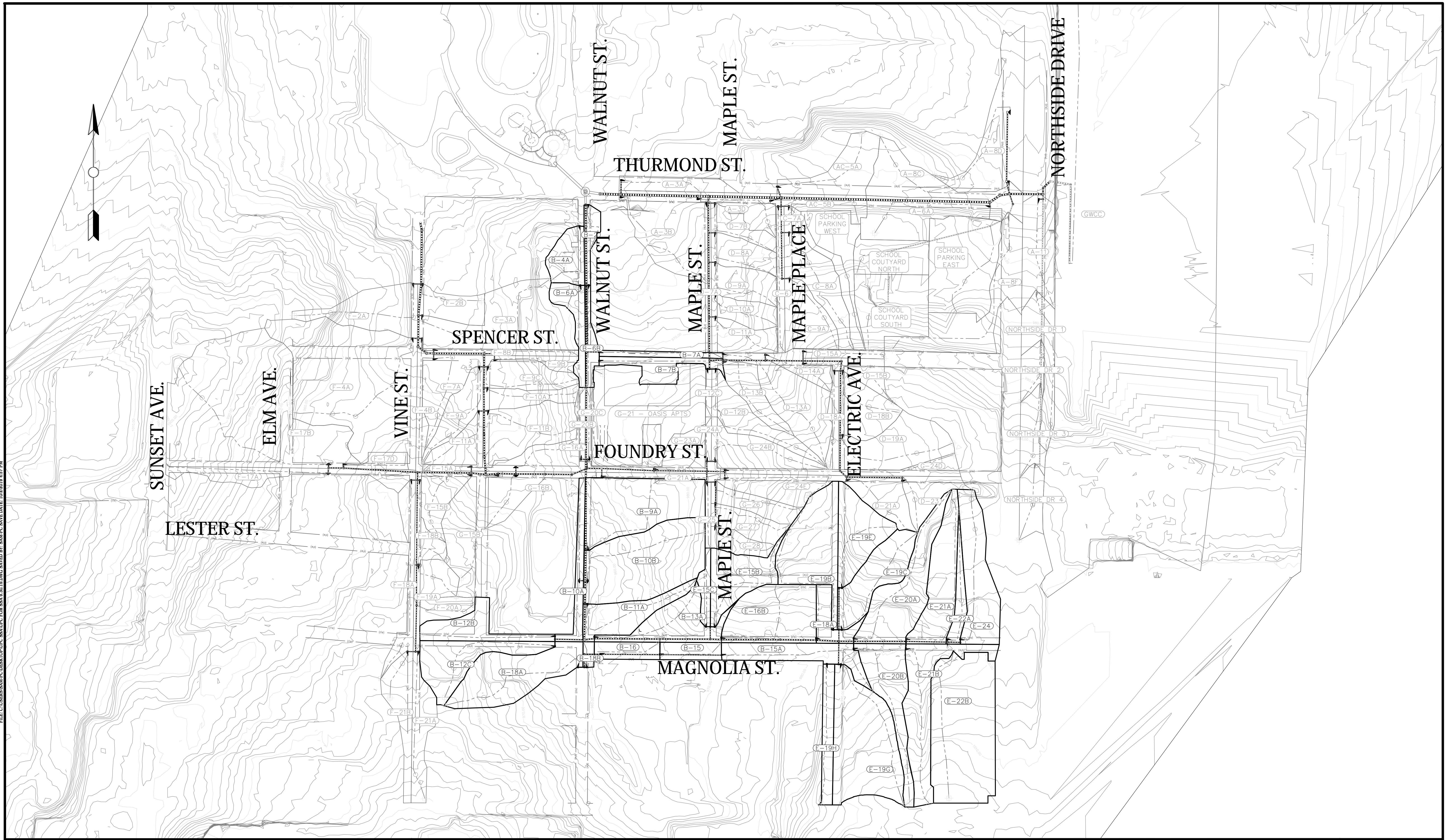
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REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

**UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS**

GENERAL NOTES

DRAWING NUMBER
G-103

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Benchmark Management
 BENCHMARK MANAGEMENT LLC
 100 PEACHTREE STREET
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 ATLANTA, GA 30303
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CITY OF ATLANTA DEPARTMENT OF watershed management
 UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY
 PHASE C - BID DOCUMENTS

BASIN MAP

FILE NAME	UPC FOR SSA 9.30.19.DWG
BMMLLC PROJECT NUMBER	3089 A/E T.O. #19
CLIENT PROJECT NUMBER	FC-7383F
DRAWING NUMBER	G-104A

INLET SUMMARY (CONT.)

Structure	Inlet Location	Invert El (ft)	Rim El (ft)	Roadway Long. Slope (ft/ft)	Roadway Cross Slope (ft/ft)	Roadway Manning's Roughness	Gutter Cross Slope (ft/ft)	Gutter Width (ft)	Gutter Depression (in)	SCS 10-yr, 24-hr Storm							SCS 25-yr, 24-hr Storm						
										Peak Flow (cfs)	Peak Flow Intercepted (cfs)	Peak Flow Bypassing (cfs)	Inlet efficiency during Peak (%)	Allowable Spread (ft)	Max Gutter Spread (ft)	Max Gutter Depth (ft)	Peak Flow (cfs)	Peak Flow Intercepted (cfs)	Peak Flow Bypassing (cfs)	Inlet efficiency during Peak (%)	Allowable Spread (ft)	Max Gutter Spread (ft)	Max Gutter Depth (ft)
PHASE C																							
B-2	On Grade	937.96	944.00	0.0920	0.0200	0.0130	0.0833	1.00	1.0000	0.73	0.73	0.01	98.66	7.00	3.06	0.12	0.88	0.86	0.02	98.19	7.00	3.43	0.13
B-4A	On Grade	944.74	949.10	0.0800	0.0200	0.0130	0.0833	1.00	1.0000	1.35	1.23	0.11	91.49	7.00	4.47	0.15	1.74	1.47	0.27	84.51	7.00	5.04	0.16
B-6A	On Grade	954.26	960.79	0.0760	0.0200	0.0130	0.0833	1.00	1.0000	1.21	1.14	0.07	94.18	7.00	4.29	0.15	1.49	1.34	0.15	90.01	7.00	4.76	0.16
B-6B	On Grade	954.19	960.64	0.0760	0.0200	0.0130	0.0833	1.00	1.0000	0.77	0.77	0.01	99.25	7.00	3.33	0.13	0.92	0.92	0.01	99.02	7.00	3.73	0.14
B-7A	On Grade	962.50	971.00	0.0100	0.0200	0.0130	0.0833	1.00	1.0000	1.15	1.15	0.00	100.00	7.00	6.61	0.20	1.77	1.75	0.01	99.40	7.00	7.91	0.22
B-7B	On Grade	963.30	971.33	0.0100	0.0200	0.0130	0.0833	1.00	1.0000	1.39	1.39	0.00	100.00	7.00	7.17	0.21	1.85	1.83	0.01	99.25	7.00	8.06	0.22
B-9A	On Grade	946.05	955.89	0.0350	0.0200	0.0130	0.0833	1.00	1.0000	3.98	2.71	1.27	68.04	7.00	8.55	0.23	5.06	3.08	1.98	60.96	7.00	9.41	0.25
B-10A	On Sag	946.89	954.00	N/A	0.0300	0.0130	0.0833	1.00	1.0000	1.33	N/A	N/A	N/A	7.00	3.52	0.24	1.67	N/A	N/A	N/A	7.00	4.10	0.26
B-10B	On Sag	948.64	954.00	N/A	0.0300	0.0130	0.0833	1.00	1.0000	6.11	N/A	N/A	N/A	7.00	9.85	0.43	8.18	N/A	N/A	N/A	7.00	11.96	0.50
B-11A	On Grade	947.08	955.32	0.0330	0.0200	0.0130	0.0833	1.00	1.0000	1.69	1.58	0.10	93.80	7.00	6.04	0.18	2.12	1.87	0.26	87.86	7.00	6.68	0.20
B-12B	On Grade	951.50	958.54	0.0120	0.0200	0.0130	0.0833	1.00	1.0000	2.14	2.07	0.08	96.45	7.00	8.26	0.23	2.54	2.36	0.18	92.86	7.00	8.85	0.24
B-12C	On Grade	952.00	959.04	0.0120	0.0200	0.0130	0.0833	1.00	1.0000	2.82	2.53	0.28	89.98	7.00	9.22	0.25	3.41	2.88	0.53	84.58	7.00	9.95	0.26
B-13A	On Grade	948.15	959.84	0.0360	0.0200	0.0130	0.0833	1.00	1.0000	4.30	2.81	1.49	65.36	7.00	8.77	0.24	6.52	3.50	3.02	53.75	7.00	10.35	0.27
B-15	On Grade	950.08	966.00	0.0400	0.0200	0.0130	0.0833	1.00	1.0000	2.87	2.20	0.67	76.65	7.00	7.28	0.21	4.56	2.85	1.71	62.56	7.00	8.79	0.24
B-15A	On Grade	963.24	975.61	0.0400	0.0200	0.0130	0.0833	1.00	1.0000	5.17	3.05	2.12	58.96	7.00	9.25	0.25	7.32	3.65	3.67	49.83	7.00	10.61	0.28
B-16	On Grade	951.40	959.71	0.0360	0.0200	0.0130	0.0833	1.00	1.0000	0.52	0.52	0.00	100.00	7.00	3.34	0.13	0.70	0.70	0.00	100.00	7.00	3.86	0.14
B-18A	On Grade	952.74	957.70	0.0260	0.0200	0.0130	0.0833	1.00	1.0000	3.70	2.72	0.98	73.44	7.00	8.82	0.24	4.72	3.12	1.60	66.12	7.00	9.71	0.26
B-18B	On Grade	952.70	957.46	0.0260	0.0200	0.0130	0.0833	1.00	1.0000	0.28	0.28	0.00	100.00	7.00	2.00	0.08	0.33	0.33	0.00	100.00	7.00	2.37	0.09
E-15B	On Grade	965.64	974.09	0.1300	0.0200	0.0130	0.0833	1.00	1.0000	2.23	1.60	0.63	71.75	7.00	5.06	0.16	2.73	1.79	0.94	65.61	7.00	5.54	0.17
E-15C	On Grade	967.05	973.27	0.1300	0.0300	0.0130	0.0833	1.00	1.0000	0.57	0.57	0.00	99.22	7.00	1.93	0.11	0.69	0.68	0.01	98.24	7.00	2.16	0.12
E-16B	On Grade	965.10	970.76	0.0360	0.0200	0.0130	0.0833	1.00	1.0000	4.33	2.82	1.51	65.16	7.00	8.80	0.24	6.39	3.47	2.92	54.25	7.00	10.27	0.27
E-18A	On Grade	972.30	979.32	0.0380	0.0200	0.0130	0.0833	1.00	1.0000	3.97	2.67	1.30	67.26	7.00	8.40	0.23	5.97	3.32	2.65	55.56	7.00	9.89	0.26
E-19B	On Grade	976.35	982.00	0.0720	0.0200	0.0130	0.0833	1.00	1.0000	3.55	2.27	1.28	63.90	7.00	7.04	0.20	4.36	2.52	1.84	57.89	7.00	7.66	0.22
E-19C	On Grade	976.28	982.19	0.0720	0.0200	0.0130	0.0833	1.00	1.0000	3.50	2.25	1.25	64.30	7.00	7.00	0.20	4.42	2.54	1.88	57.53	7.00	7.71	0.22
E-19E	On Sag	985.26	991.98	N/A	0.0200	0.0130	0.0833	1.00	1.0000	2.05	N/A	N/A	N/A	7.00	7.33	0.26	2.59	N/A	N/A	N/A	7.00	8.53	0.28
E-19G	On Grade	976.27	982.03	0.0540	0.0200	0.0130	0.0833	1.00	1.0000	4.88	2.81	2.07	57.59	7.00	8.51	0.23	6.16	3.16	3.00	51.37	7.00	9.34	0.25
E-19H	On Grade	976.50	981.27	0.0540	0.0200	0.0130	0.0833	1.00	1.0000	1.46	1.37	0.10	93.42	7.00	5.10	0.17	1.74	1.54	0.20	88.58	7.00	5.50	0.17
E-20A	On Grade	976.48	983.04	0.0400	0.0200	0.0130	0.0833	1.00	1.0000	2.98	2.25	0.73	75.57	7.00	7.39	0.21	4.02	2.66	1.35	66.33	7.00	8.36	0.23
E-20B	On Grade	976.59	983.19	0.0400	0.0200	0.0130	0.0833	1.00	1.0000	3.19	2.34	0.85	73.32	7.00	7.60	0.22	4.28	2.76	1.52	64.42	7.00	8.57	0.23
E-21A	On Grade	980.60	989.05	0.0490	0.0200	0.0130	0.0833	1.00	1.0000	3.23	2.29	0.95	70.73	7.00	7.33	0.21	4.24	2.65	1.59	62.56	7.00	8.19	0.23
E-21B	On Grade	981.00	988.69	0.0490	0.0200	0.0130	0.0833	1.00	1.0000	3.08	2.23	0.85	72.29	7.00	7.19	0.21	3.87	2.53	1.34	65.26	7.00	7.90	0.22
E-22A	On Grade	987.49	993.75	0.0490	0.0200	0.0160	0.0833	1.00	1.0000	2.20	1.91	0.29	87.02	7.00	6.80	0.20	2.86	2.26	0.60	79.08	7.00	7.59	0.22
E-24	On Grade	988.28	995.70	0.0490	0.0200	0.0130	0.0833	1.00	1.0000	3.96	2.56	1.40	64.63	7.00	7.97	0.22	4.69	2.80	1.89	59.64	7.00	8.54	0.23

PLOT DATE: 11/13/2019 8:26 PM FILE: C:\USERS\SAM\F\DESIGN\UPC FOR SSA 9.30 10.DWG SAIED BY: SAM PC SAVE DATE: 10/22/2019 4:57 PM



SUBMITTED: _____
 PROJECT MANAGER: _____
 DATE: 11/13/2019
 DESIGNED BY: TJ
 DRAWN BY: TJ
 CHECKED BY: RC
 APPROVED BY: EA



PLAT CARDS		
52	675	111
112	945	###
###	###	###
###	###	###

REVISIONS						
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY
 PHASE C - BID DOCUMENTS

INLET SUMMARY TABLE

FILE NAME: UPC FOR SSA 9.30.19.DWG
 BMMLLC PROJECT NUMBER: 3089 A/E T.O. #19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: G-104D

LEGEND

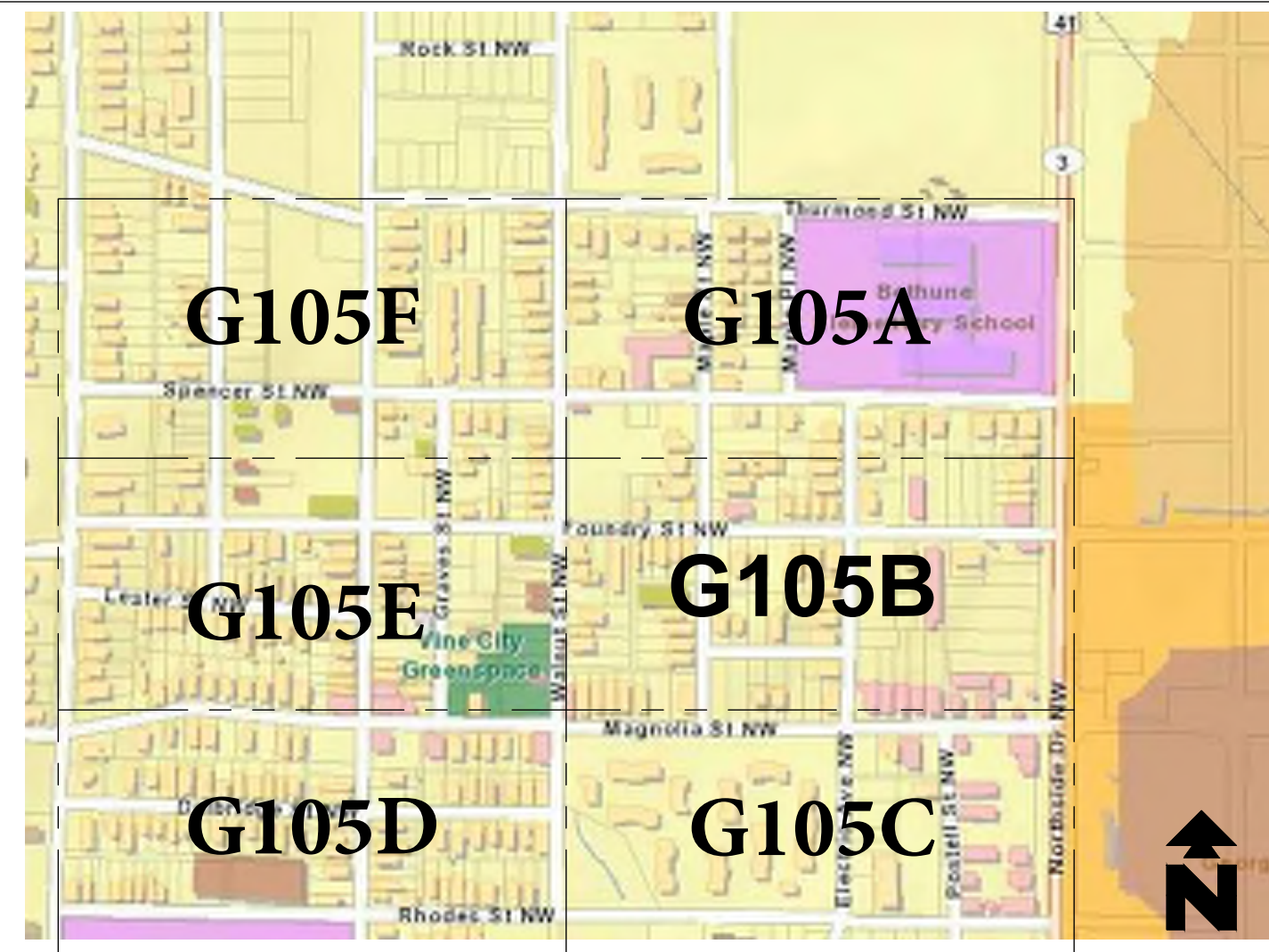
<p>STORM SEWER OVERHEAD ELECTRIC GAS LINE UNDERGROUND ELECTRIC SANITARY SEWER LINE WATER LINE UNDERGROUND FIBER OPTIC</p> <p>CURB & GUTTER CHAIN LINK FENCE WOOD FENCE IRON FENCE LIGHT POLE (LP) GUY WIRE UTILITY/POWER POLE (UP)(PP)(TP) SERVICE POLE (SP) BOLLARD GRATE INLET-SQUARE SIGN WATER VALVE (WV) WATER METER (WM) FIRE HYDRANT (FH) CLEAN OUT (CO) MANHOLE (UNKNOWN TYPE) SANITARY SEWER MANHOLE (SSMH) ELECTRICAL MANHOLE STORM DRAIN MANHOLE (STMH)</p>	<p>FFE IE RCP CMP DIP DIP</p> <p>FINISHED FLOOR ELEVATION INVERT ELEVATION REINFORCED CONCRETE PIPE CORRUGATED METAL PIPE DUCTILE IRON PIPE TRAFFIC SIGNAL POLE (TSP) TRAFFIC SIGNAL RISER TELEPHONE RISER IRRIGATION CONTROL VALVE WATER VAULT HEADWALL (HW) SINGLE WING CATCHBASIN DOUBLE WING CATCHBASIN IRON PIN FOUND TREE MAIL BOX GUY POLE (GP) TRAFFIC CONTROL POLE (TCP) TRANSFORMER FIBER OPTIC BOX TRAFFIC CONTROL BOX (TCB) HANDICAP RAMP ELECTRICAL METER (EM) TELEPHONE MANHOLE</p>	<p>FLOW ARROW COLUMN CURB INLET (CI) CATCHBASIN (CB) MONITORING WELL (MW) TRASH CAN SPIGOT CABLE TV MARKER CABLE TV PEDESTAL ELECTRIC BOX</p> <p>ASPHALT CONCRETE GRAVEL MINOR CONTOUR MAJOR CONTOUR</p>
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GENERAL NOTES

1. SURVEY PROCEDURES: THIS SURVEY IS BASED ON MEASUREMENTS OBTAINED USING A TRIMBLE ROBOTIC TOTAL STATION INSTRUMENT CAPABLE OF READING ANGULAR MEASUREMENTS DIRECTLY TO A MINIMUM OF 1 SECOND OF ARC AND LINEAR DIMENSIONS DIRECTLY TO 0.01 FEET AND TRIMBLE B8 GPS USING SMARTNET RTK NETWORK TECHNOLOGY.
2. THE FIELD SURVEY UPON WHICH THIS PLAN IS BASED WAS COMPLETED IN THE FIELD FEBRUARY 1, 2019 AND THIS PLAN WAS PREPARED ON FEBRUARY 21, 2019.
3. THIS SURVEY WAS PERFORMED AT THE REQUEST OF BENCHMARK JV
4. THIS SURVEY WAS PREPARED FOR THE EXCLUSIVE USE OF THE PARTY OR ENTITY NAMED HEREON AND THE CERTIFICATION DOES NOT EXTEND TO ANY OTHERS.
5. THE VERTICAL DATUM IS BASED ON NAVD 88.
6. NORTH AND THE BEARINGS HEREON ARE BASED UPON THE STATE PLANE COORDINATE SYSTEM, GEORGIA WEST ZONE, NORTH AMERICAN DATUM OF 1983, ADJUSTMENT OF 2011, DERIVED FROM GLOBAL POSITIONING SYSTEM (GPS) DATA.
7. CERAMIC AND/OR ERICK L. SMITH DOES NOT GUARANTEE THAT ALL EASEMENTS AND SUB-SURFACE CONDITIONS WHICH MAY AFFECT THIS PROPERTY ARE SHOWN.
8. THIS DRAWING HAS BEEN GENERATED ELECTRONICALLY. THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED VALID DOCUMENT UNLESS IT HAS BEEN PROPERLY SEALED, SIGNED, AND DATED BY WILLARD TUNNELL, JR.
9. ALL VARIOUS SANITARY AND STORM DRAIN STRUCTURES SHOWN HEREON, THERE ARE ADDITIONAL LINES ENTERING OR EXITING THE STRUCTURE. IN SOME CASES, THE ORIGIN OR DESTINATION OF THE LINE COULD NOT BE DETERMINED. THIS SURVEY DEPICTS THOSE LINES AND THE GENERAL DIRECTION OF THE LINE, HOWEVER, WITHOUT ADDITIONAL DATA OR BENEFIT OF EXCAVATION, THE LOCATION OF THESE LINES CANNOT BE DETERMINED.
10. RIGHT OF WAY AND PROPERTY LINES WERE FIELD VERIFIED PER AVAILABLE COUNTY RECORDS, BUT DOES NOT CONSTITUTE INDIVIDUAL BOUNDARY RETRACEMENT SURVEYS.

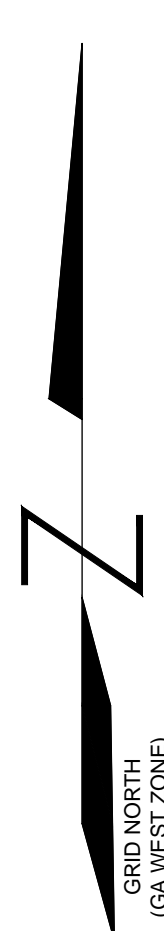
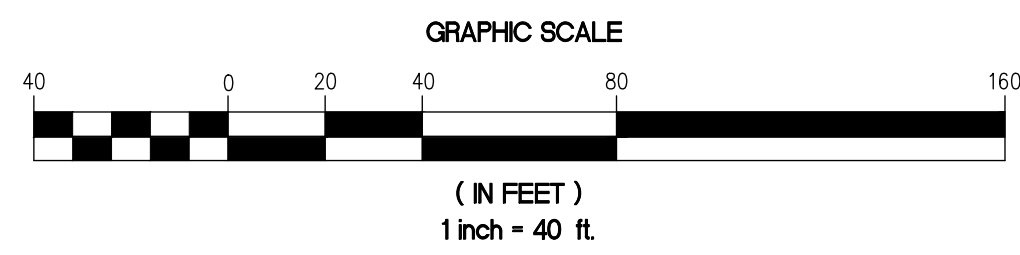
CERTIFICATION

I HEREBY CERTIFY TO BENCHMARK JV THAT ALL PARTS OF THIS SURVEY AND DRAWING HAVE BEEN COMPLETED IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR SURVEYING IN THE STATE OF GEORGIA TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF.

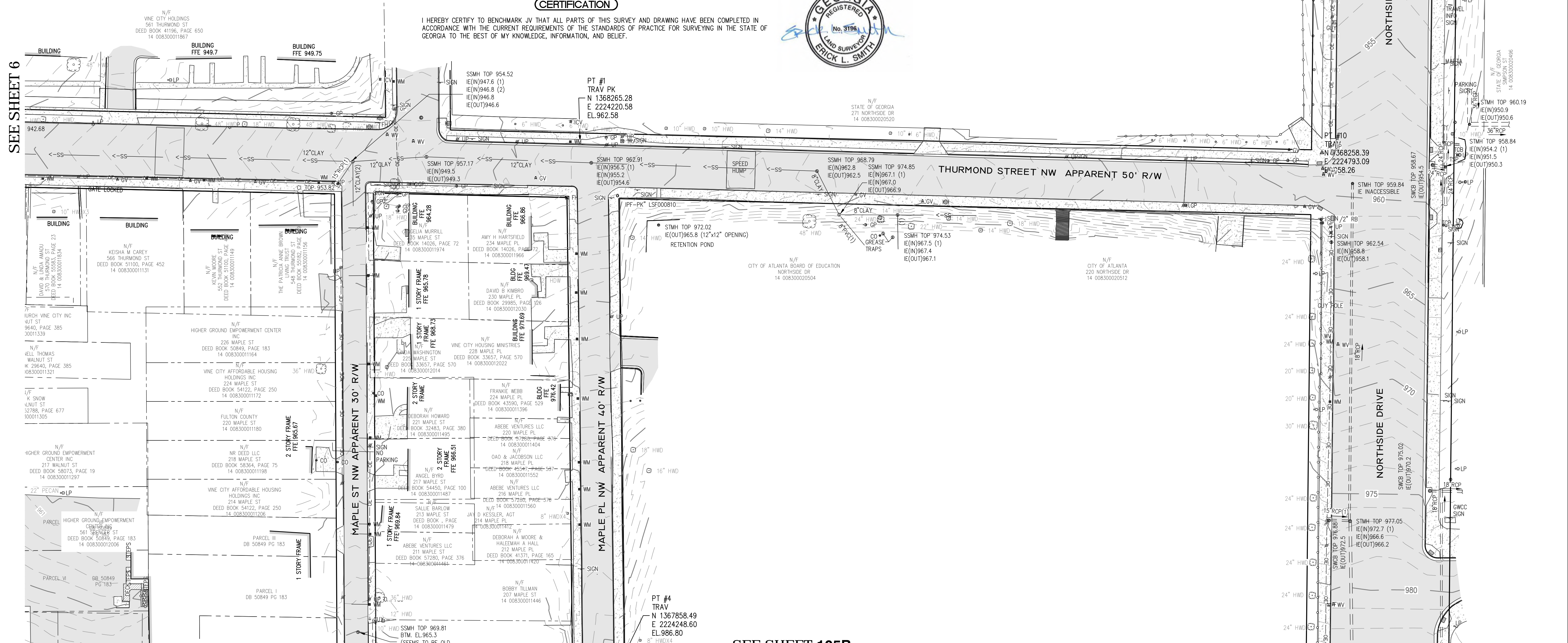


REFERENCE: FULTON COUNTY GIS

VICINITY MAP
(NOT TO SCALE)



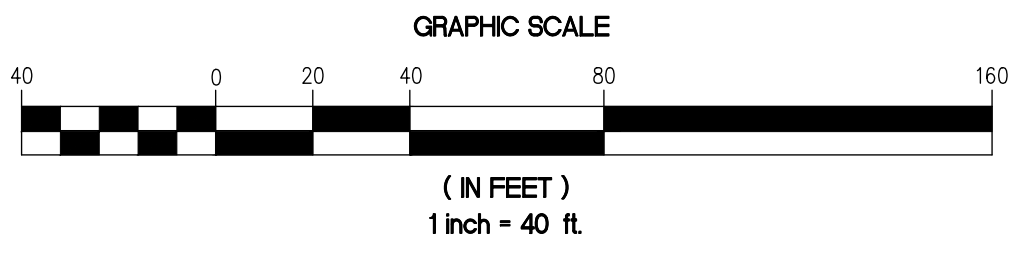
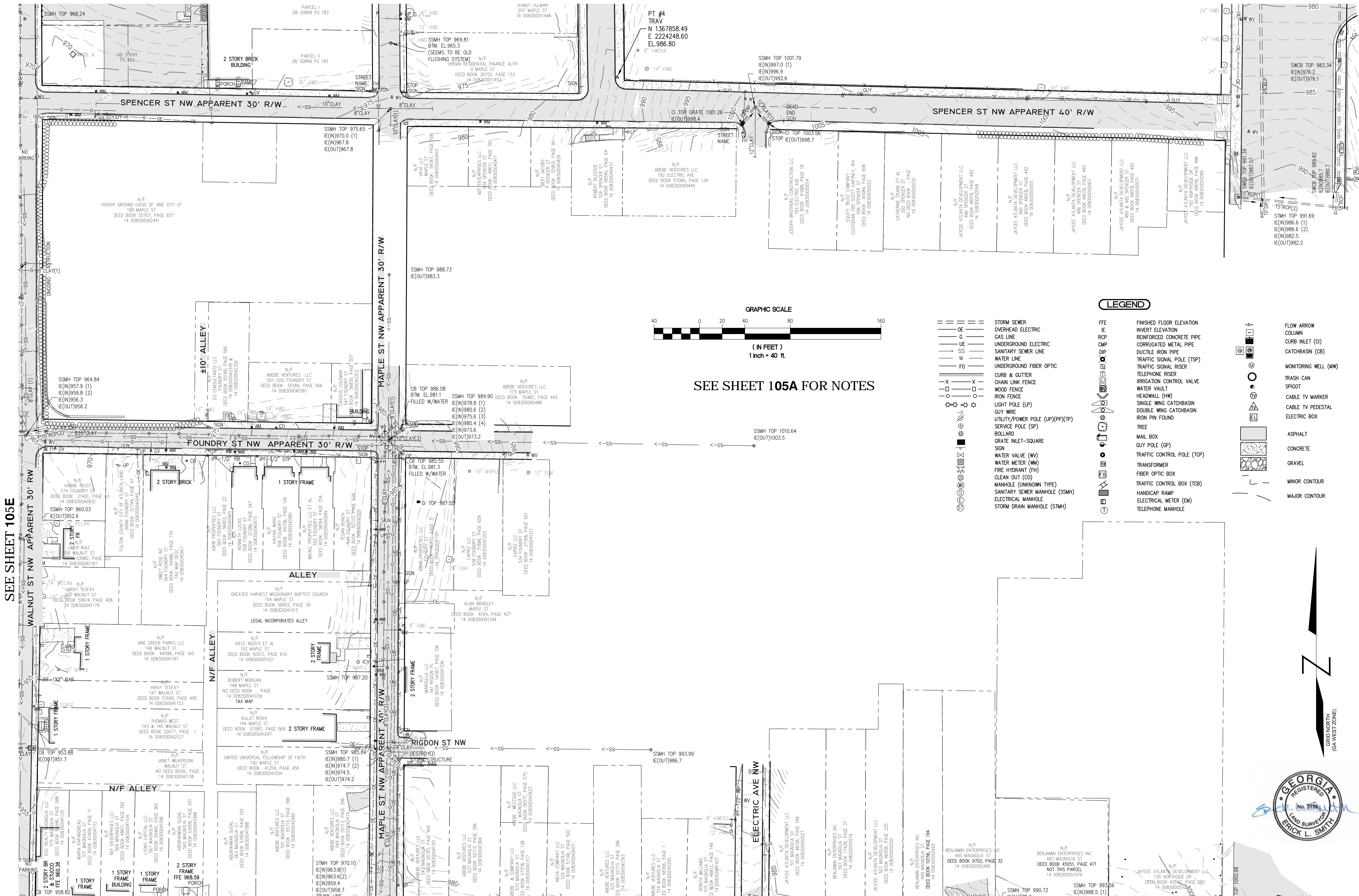
SEE SHEET 6



SEE SHEET 105B

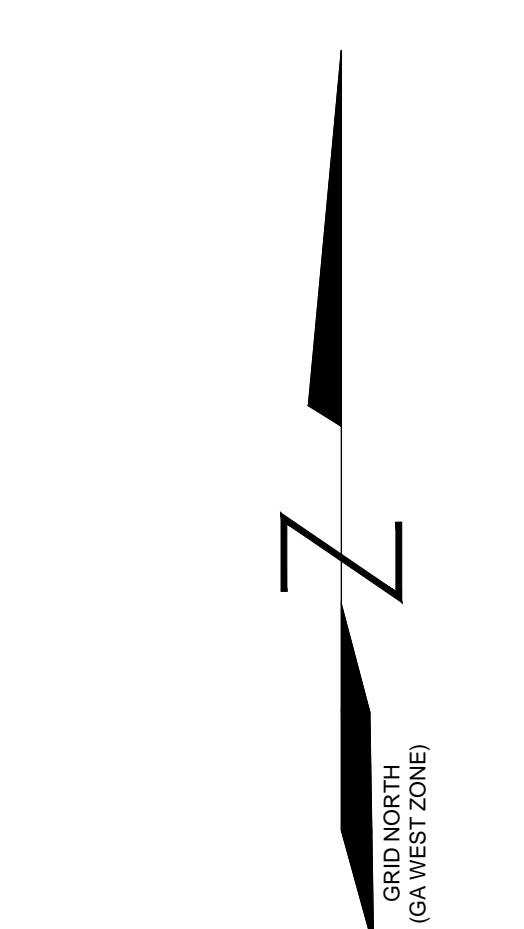
DESCRIPTION	
NO.	DATE
<p>Corporate Environmental Risk Management 1990 Lakeside Parkway Suite 300 Tucker GA 30084 O: 678.999.0173 F: 678.999.0186 www.cerm.com</p>	
PROJECT:	<p>UPPER PROCTOR CREEK CAPACITY RELIEF LAND LOTS 84 & 110 14th DISTRICT CITY OF ATLANTA FULTON COUNTY, GEORGIA</p>
CLIENT:	<p> CITY OF ATLANTA DEPARTMENT OF watershed management</p>
PROJECT NO.:	2018-1380-009
DATE:	2/21/2019
SCALE:	1"=40'
DRAWN BY:	DGK
CHECKED BY:	ELS
SHEET TITLE	TOPOGRAPHIC SURVEY
SHEET NO.	G-105A

SEE SHEET 105A



SEE SHEET 105A FOR NOTES

LEGEND	
	STORM SEWER
	OVERHEAD ELECTRIC
	GAS LINE
	UNDERGROUND ELECTRIC
	SANITARY SEWER LINE
	WATER LINE
	UNDERGROUND FIBER OPTIC
	CHAIN LINK FENCE
	WOOD FENCE
	IRON FENCE
	LIGHT POLE (LP)
	GUY WIRE
	UTILITY/POWER POLE (UP)(PP)(TP)
	SERVICE POLE (SP)
	BOLLARD
	GRATE INLET-SQUARE
	SIGN
	WATER VALVE (WV)
	WATER METER (WM)
	FIRE HYDRANT (FH)
	CLEAN OUT (CO)
	MANHOLE (UNKNOWN TYPE)
	SANITARY SEWER MANHOLE (SSMH)
	ELECTRICAL MANHOLE
	STORM DRAIN MANHOLE (STMH)
	FINISHED FLOOR ELEVATION
	INVERT ELEVATION
	REINFORCED CONCRETE PIPE
	CORRUGATED METAL PIPE
	DUCTILE IRON PIPE
	TRAFFIC SIGNAL POLE (TSP)
	TRAFFIC SIGNAL RISER
	TELEPHONE RISER
	IRRIGATION CONTROL VALVE
	WATER VAULT
	HEADWALL (HW)
	SINGLE WING CATCHBASIN
	DOUBLE WING CATCHBASIN
	IRON PIN FOUND
	TREE
	MAIL BOX
	GUY POLE (GP)
	TRAFFIC CONTROL POLE (TCP)
	TRANSFORMER
	FIBER OPTIC BOX
	TRAFFIC CONTROL BOX (TCB)
	HANDICAP RAMP
	ELECTRICAL METER (EM)
	TELEPHONE MANHOLE
	FLOW ARROW
	COLUMN
	CURB INLET (CI)
	CATCHBASIN (CB)
	MONITORING WELL (MW)
	TRASH CAN
	SPIGOT
	CABLE TV MARKER
	CABLE TV PEDESTAL
	ELECTRIC BOX
	ASPHALT
	CONCRETE
	GRAVEL
	MINOR CONTOUR
	MAJOR CONTOUR



SEE SHEET 105E

SEE SHEET 105C

NO.	DATE	DESCRIPTION

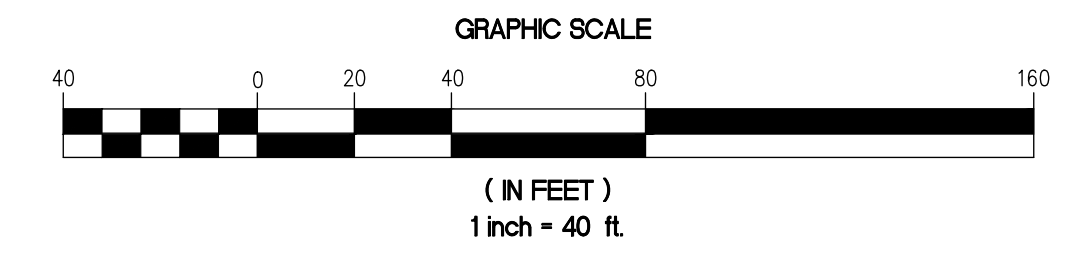
PROJECT: UPPER PROCTOR CREEK CAPACITY RELIEF
 CLIENT: CITY OF ATLANTA DEPARTMENT OF watershed management
 PROJ. NO.: 2018-1380-009
 DATE: 2/21/2019
 SCALE: 1"=40'
 DRAWN BY: DGK
 CHECKED BY: ELS
 SHEET TITLE: TOPOGRAPHIC SURVEY
 SHEET NO.: G-105B

Corporate Environmental Risk Management
 1990 Lakeside Parkway Suite 300 Tucker GA 30084
 O: 678.999.0173 F: 678.999.0186
 www.cerm.com

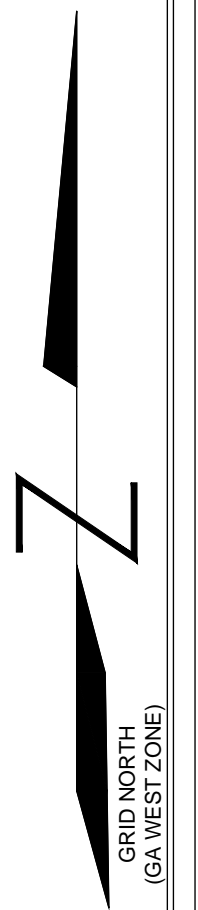
LAND LOTS 83 & 110 14th DISTRICT
 CITY OF ATLANTA
 FULTON COUNTY, GEORGIA

LEGEND

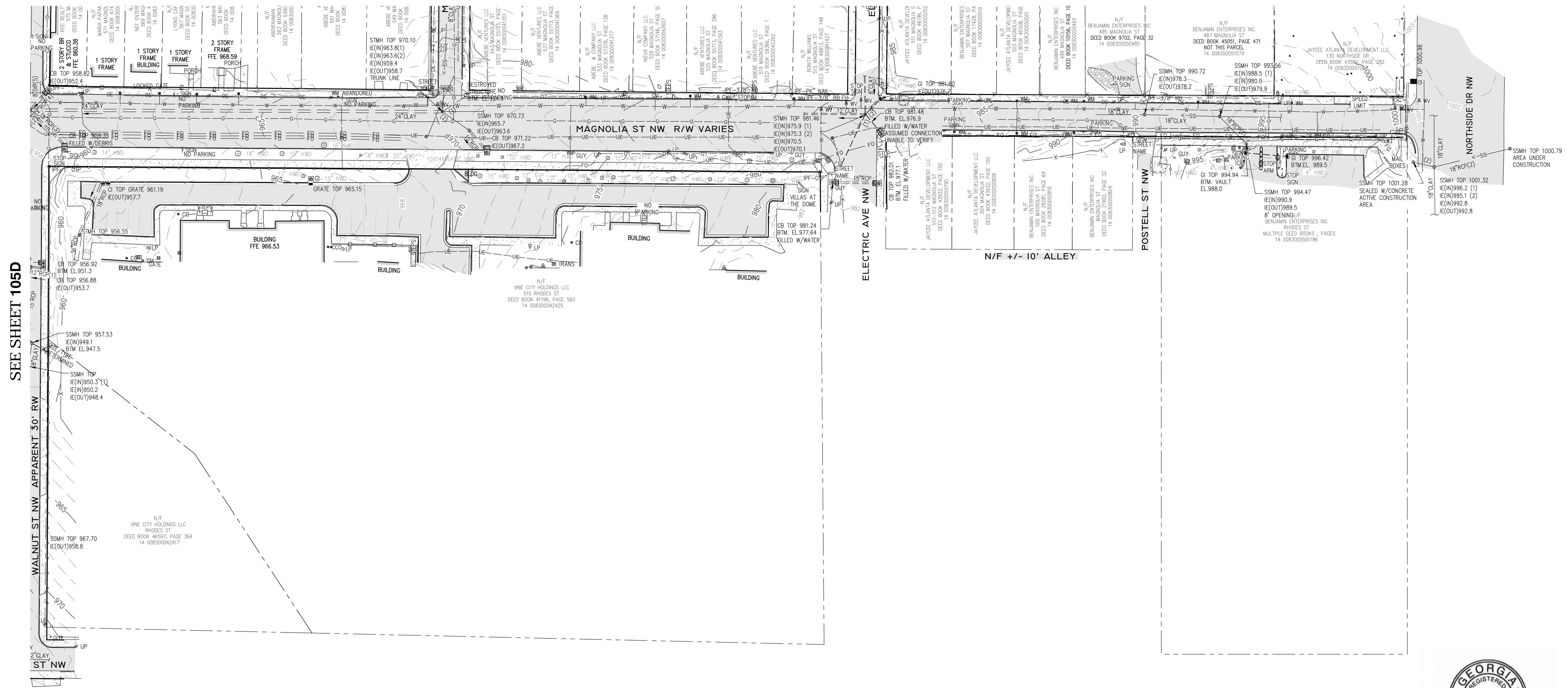
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|---|--|--|
| <ul style="list-style-type: none"> --- STORM SEWER --- OVERHEAD ELECTRIC --- GAS LINE --- UNDERGROUND ELECTRIC --- SANITARY SEWER LINE --- WATER LINE --- UNDERGROUND FIBER OPTIC --- CURB & GUTTER --- CHAIN LINK FENCE --- WOOD FENCE --- IRON FENCE --- LIGHT POLE (LP) --- GUY WIRE --- UTILITY/POWER POLE (UP)(PP)(TP) --- SERVICE POLE (SP) --- BOLLARD --- GRATE INLET-SQUARE --- SIGN --- WATER VALVE (WV) --- WATER METER (WM) --- FIRE HYDRANT (FH) --- CLEAN OUT (CO) --- MANHOLE (UNKNOWN TYPE) --- SANITARY SEWER MANHOLE (SSMH) --- ELECTRICAL MANHOLE --- STORM DRAIN MANHOLE (STMH) | <ul style="list-style-type: none"> FFE FINISHED FLOOR ELEVATION IE INVERT ELEVATION RCP REINFORCED CONCRETE PIPE CMP CORRUGATED METAL PIPE DIP DUCTILE IRON PIPE TSP TRAFFIC SIGNAL POLE (TSP) TR TELEPHONE RISER ICV IRRIGATION CONTROL VALVE WV WATER VAULT HW HEADWALL (HW) SWC SINGLE WING CATCHBASIN DWC DOUBLE WING CATCHBASIN IPF IRON PIN FOUND TREE MB MAIL BOX GP GUY POLE (GP) TCP TRAFFIC CONTROL POLE (TCP) TR TRANSFORMER FOB FIBER OPTIC BOX TCCB TRAFFIC CONTROL BOX (TCB) HR HANDICAP RAMP EM ELECTRICAL METER (EM) TM TELEPHONE MANHOLE | <ul style="list-style-type: none"> → FLOW ARROW □ COLUMN ○ CURB INLET (CI) □ CATCHBASIN (CB) ○ MONITORING WELL (MW) □ TRASH CAN ○ SPIGOT ○ CABLE TV MARKER □ CABLE TV PEDESTAL □ ELECTRIC BOX ASPHALT CONCRETE GRAVEL MINOR CONTOUR MAJOR CONTOUR |
|---|--|--|



SEE SHEET 105A FOR NOTES



SEE SHEET 105B



SEE SHEET 105D

NO.	DATE	DESCRIPTION

Corporate Environmental Risk Management
 1990 Lakeside Parkway Suite 300 Tucker GA 30084
 O: 678.999.0173 F: 678.999.0186
www.cerm.com

PROJECT: UPPER PROCTOR CREEK CAPACITY RELIEF
LAND LOTS 83 & 110 14th DISTRICT
CITY OF ATLANTA
FULTON COUNTY, GEORGIA

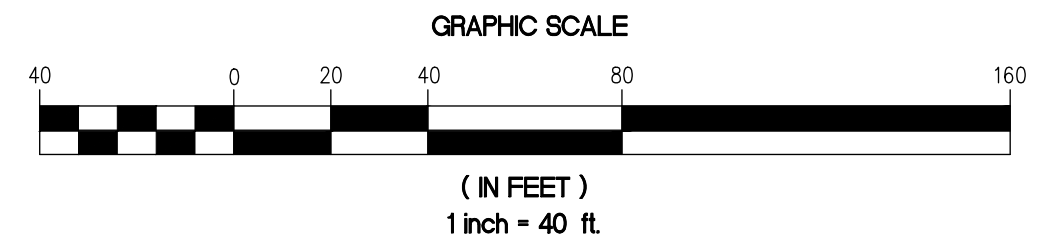


CLIENT: CITY OF ATLANTA
PROJ. NO.: 2018-1380-009
DATE: 2/21/2019
SCALE: 1"=40'
DRAWN BY: DGK
CHECKED BY: ELS
SHEET TITLE
TOPOGRAPHIC SURVEY
SHEET NO.
G-105C

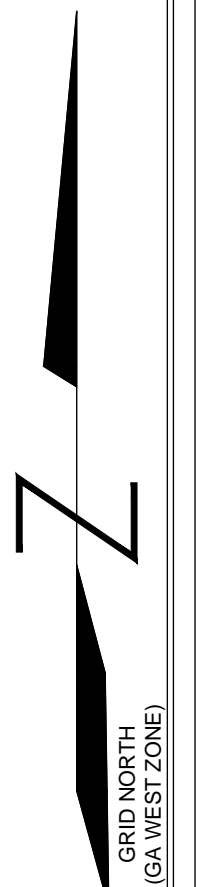


LEGEND

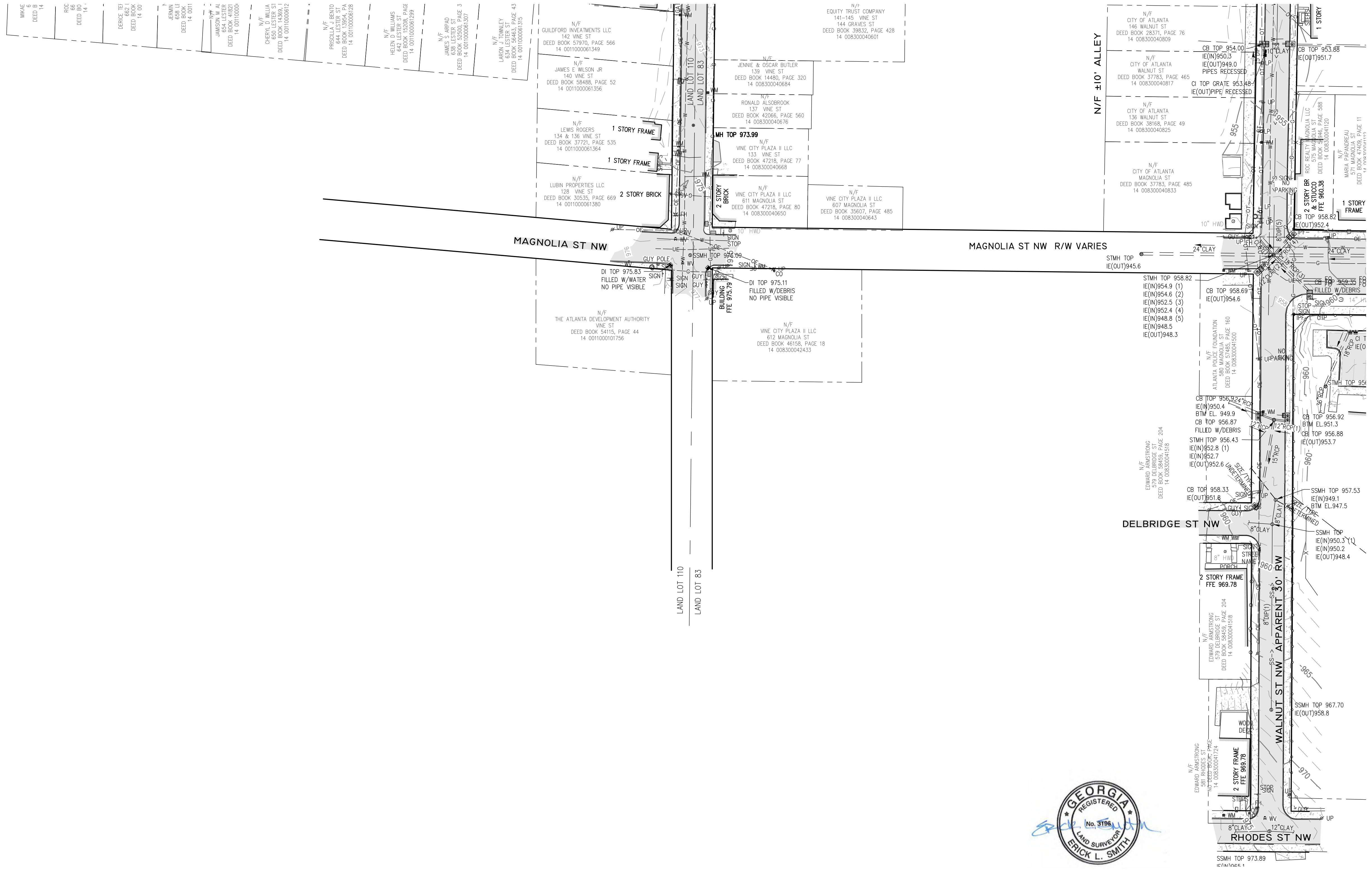
- | | | |
|--|---|--|
| <ul style="list-style-type: none"> --- STORM SEWER --- OVERHEAD ELECTRIC --- GAS LINE --- UNDERGROUND ELECTRIC --- SANITARY SEWER LINE --- WATER LINE --- UNDERGROUND FIBER OPTIC --- CURB & GUTTER --- CHAIN LINK FENCE --- WOOD FENCE --- IRON FENCE --- LIGHT POLE (LP) --- GUY WIRE --- UTILITY/POWER POLE (UP)(PP)(TP) --- SERVICE POLE (SP) --- BOLLARD --- GRATE INLET-SQUARE SIGN --- WATER VALVE (WV) --- WATER METER (WM) --- FIRE HYDRANT (FH) --- CLEAN OUT (CO) --- MANHOLE (UNKNOWN TYPE) --- SANITARY SEWER MANHOLE (SSMH) --- ELECTRICAL MANHOLE --- STORM DRAIN MANHOLE (STMH) | <ul style="list-style-type: none"> FFE FINISHED FLOOR ELEVATION IE INVERT ELEVATION RCP REINFORCED CONCRETE PIPE CMP CORRUGATED METAL PIPE DIP DUCTILE IRON PIPE W WATER VALVE FO UNDERGROUND FIBER OPTIC X CHAIN LINK FENCE Y WOOD FENCE O IRON FENCE ☆ LIGHT POLE (LP) ☆ GUY WIRE ☆ UTILITY/POWER POLE (UP)(PP)(TP) ☆ SERVICE POLE (SP) ☆ BOLLARD ☆ GRATE INLET-SQUARE SIGN ☆ WATER VALVE (WV) ☆ WATER METER (WM) ☆ FIRE HYDRANT (FH) ☆ CLEAN OUT (CO) ☆ MANHOLE (UNKNOWN TYPE) ☆ SANITARY SEWER MANHOLE (SSMH) ☆ ELECTRICAL MANHOLE ☆ STORM DRAIN MANHOLE (STMH) | <ul style="list-style-type: none"> → FLOW ARROW ○ COLUMN ○ CURB INLET (CI) ○ CATCHBASIN (CB) ○ MONITORING WELL (MW) ○ TRASH CAN ○ SPIGOT ○ CABLE TV MARKER ○ CABLE TV PEDESTAL ○ ELECTRIC BOX ASPHALT CONCRETE GRAVEL MINOR CONTOUR MAJOR CONTOUR |
|--|---|--|



SEE SHEET 105A FOR NOTES



SEE SHEET 105E



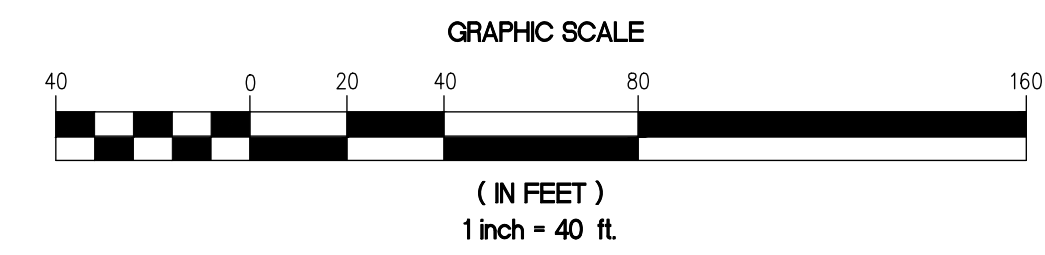
SEE SHEET 105C



<p>DESCRIPTION</p> <p>NO. DATE</p>	<p>REVISIONS</p>
<p>Corporate Environmental Risk Management 1990 Lakeside Parkway Suite 300 Tucker GA 30084 O: 678.999.0173 F: 678.999.0186 www.cermm.com</p>	
<p>PROJECT: UPPER PROCTOR CREEK CAPACITY RELIEF LAND LOTS 83 & 110 14th DISTRICT CITY OF ATLANTA FULTON COUNTY, GEORGIA</p>	
<p>CLIENT: CITY OF ATLANTA DEPARTMENT OF watershed management</p>	
<p>PROJ. NO.: 2018-1380-009 DATE: 2/21/2019 SCALE: 1"=40' DRAWN BY: DGK CHECKED BY: ELS</p>	
<p>SHEET TITLE TOPOGRAPHIC SURVEY</p>	
<p>SHEET NO. G-105D</p>	

LEGEND

- STORM SEWER
- OVERHEAD ELECTRIC
- GAS LINE
- UNDERGROUND ELECTRIC
- SANITARY SEWER LINE
- WATER LINE
- UNDERGROUND FIBER OPTIC
- CURB & GUTTER
- CHAIN LINK FENCE
- WOOD FENCE
- IRON FENCE
- LIGHT POLE (LP)
- GUY WIRE
- UTILITY/POWER POLE (UP)(PP)(TP)
- SERVICE POLE (SP)
- BOLLARD
- GRATE INLET-SQUARE
- SIGN
- WATER VALVE (WV)
- WATER METER (WM)
- FIRE HYDRANT (FH)
- CLEAN OUT (CO)
- MANHOLE (UNKNOWN TYPE)
- SANITARY SEWER MANHOLE (SSMH)
- ELECTRICAL MANHOLE (EM)
- STORM DRAIN MANHOLE (SDMH)
- FINISHED FLOOR ELEVATION
- INVERT ELEVATION
- REINFORCED CONCRETE PIPE
- CORRUGATED METAL PIPE
- DUCTILE IRON PIPE
- TRAFFIC SIGNAL POLE (TSP)
- TELEPHONE RISER
- IRRIGATION CONTROL VALVE
- WATER VAULT
- HEADWALL (HW)
- SINGLE WING CATCHBASIN
- DOUBLE WING CATCHBASIN
- IRON PIN FOUND
- TREE
- MAIL BOX
- GUY POLE (GP)
- TRAFFIC CONTROL POLE (TCP)
- TRANSFORMER
- FIBER OPTIC BOX
- TRAFFIC CONTROL BOX (TCB)
- HANDICAP RAMP
- ELECTRICAL METER (EM)
- TELEPHONE MANHOLE
- FLOW ARROW
- COLUMN
- CURB INLET (CI)
- CATCHBASIN (CB)
- MONITORING WELL (MW)
- TRASH CAN
- SPIGOT
- CABLE TV MARKER
- CABLE TV PEDESTAL
- ELECTRIC BOX
- ASPHALT
- CONCRETE
- GRAVEL
- MINOR CONTOUR
- MAJOR CONTOUR

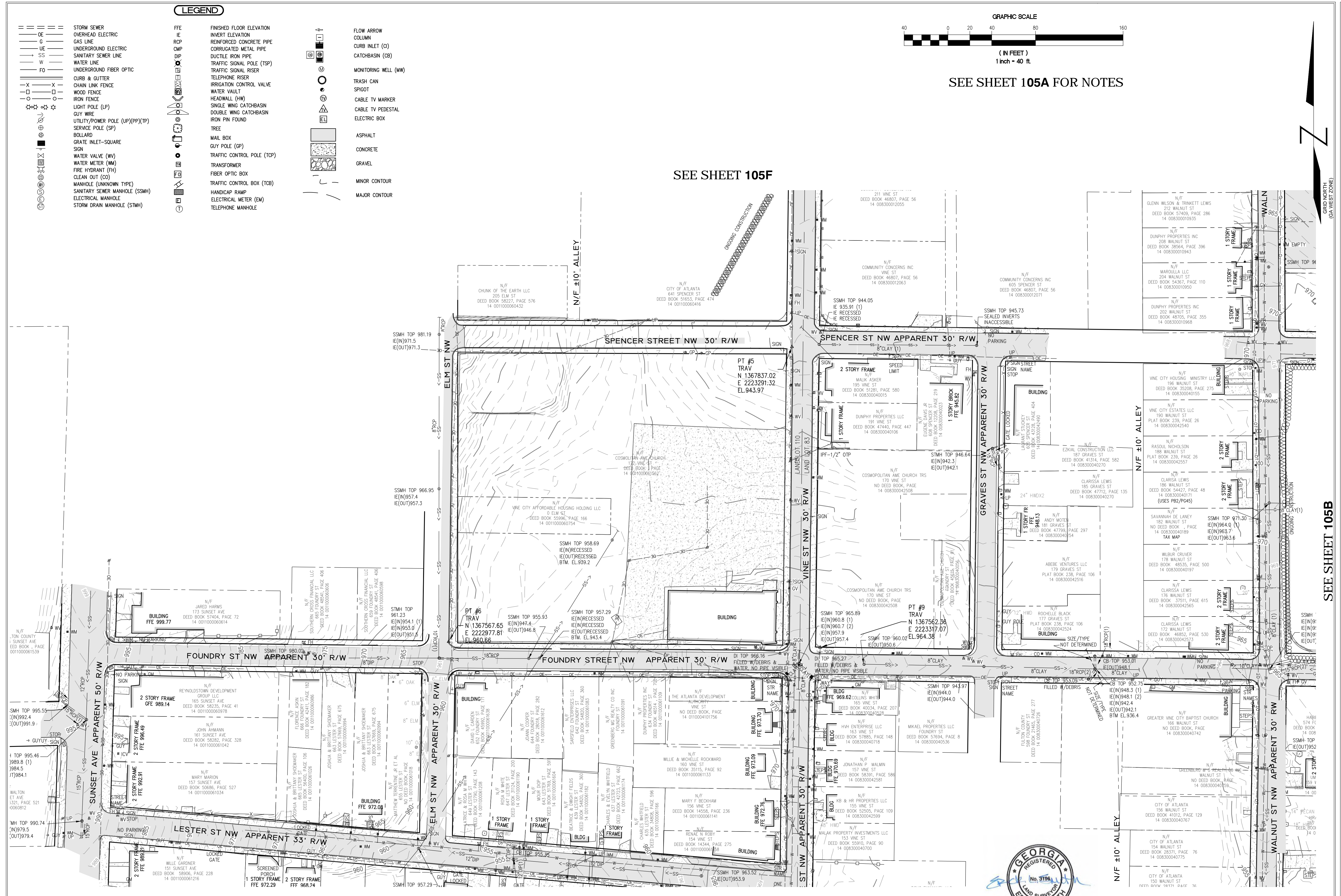


SEE SHEET 105A FOR NOTES

SEE SHEET 105F

SEE SHEET 105D

SEE SHEET 105B



NO.	DATE	DESCRIPTION

Corporate Environmental Risk Management
1990 Lakeside Parkway Suite 300 Tucker GA 30084
O: 678.999.0173 F: 678.999.0186
www.cerm.com

PROJECT: UPPER PROCTOR CREEK CAPACITY RELIEF
LAND LOTS 83 & 110 14th DISTRICT
CITY OF ATLANTA
FULTON COUNTY, GEORGIA

CITY OF ALABAMA DEPARTMENT OF watershed management

CLIENT: HABI 574 FC DEED BOOK 14 008 00808
156 WALNUT ST
DEED BOOK 14 008 00808
IE(N)952
IE(OUT)952

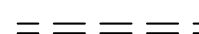
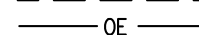
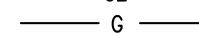
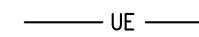
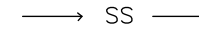

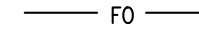


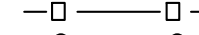
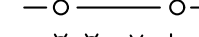
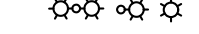
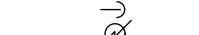






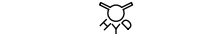
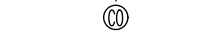



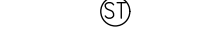
PROJECT NO.: 2018-1380-009
DATE: 2/21/2019
SCALE: 1"=40'
DRAWN BY: DGK
CHECKED BY: ELS
























SHEET TITLE
TOPOGRAPHIC SURVEY


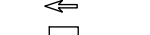










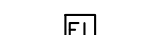
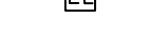

SHEET NO.
G-105E

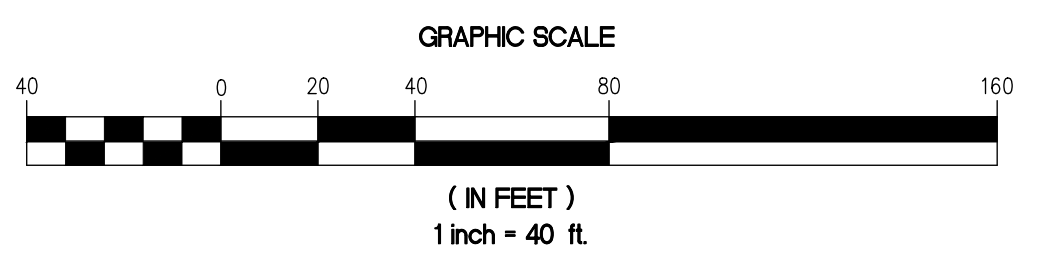


LEGEND

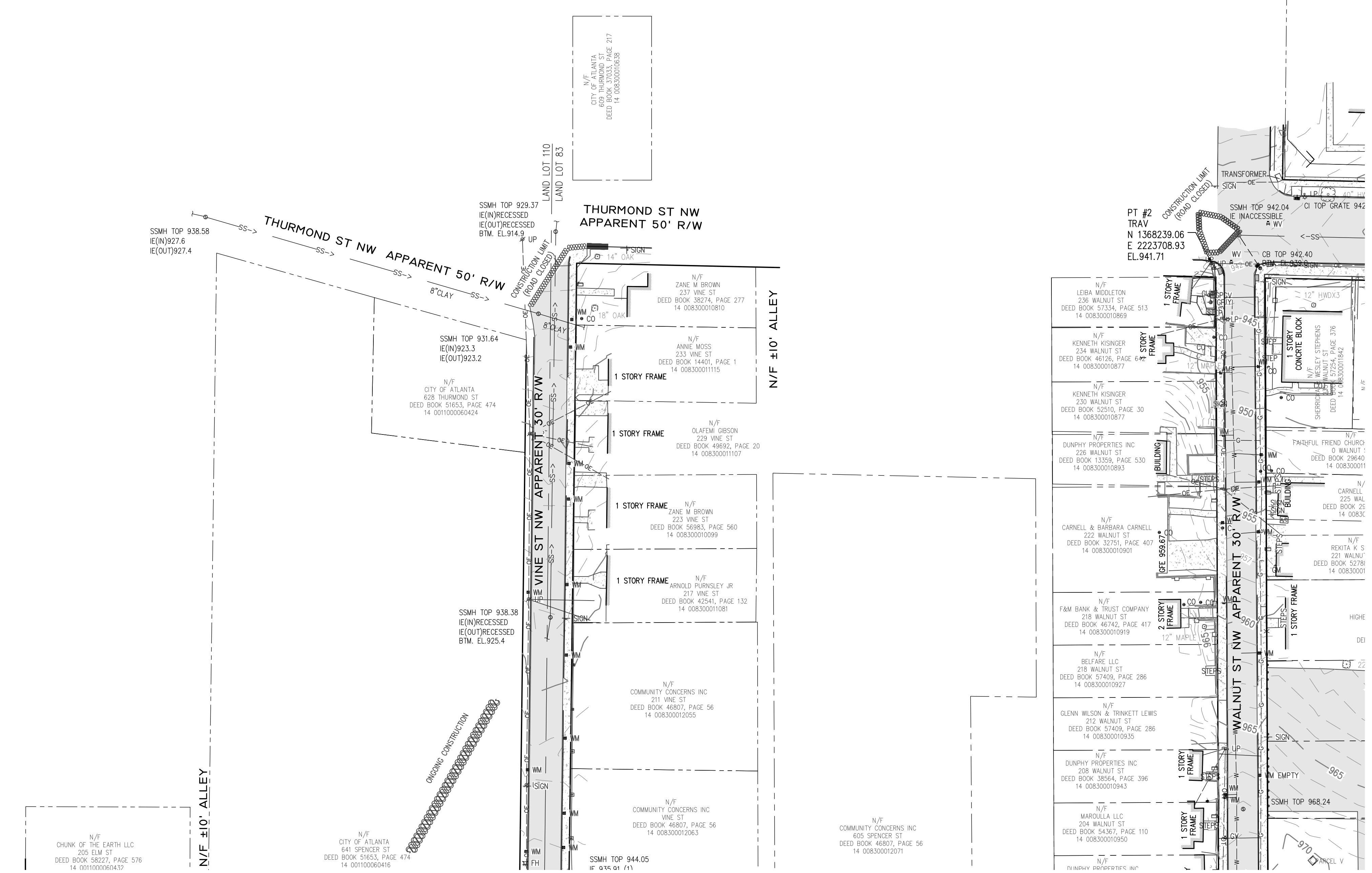
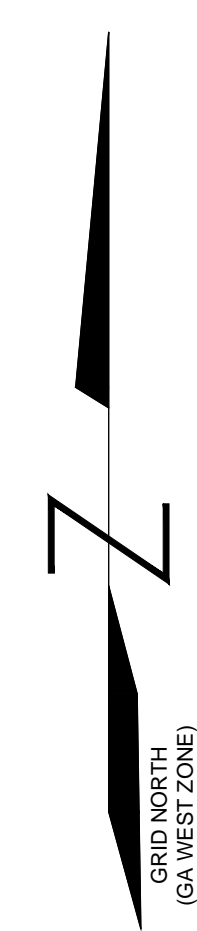
-  STORM SEWER
-  OVERHEAD ELECTRIC
-  GAS LINE
-  UNDERGROUND ELECTRIC
-  SANITARY SEWER LINE
-  WATER LINE
-  UNDERGROUND FIBER OPTIC
-  CURB & GUTTER
-  CHAIN LINK FENCE
-  WOOD FENCE
-  IRON FENCE
-  LIGHT POLE (LP)
-  GUY WIRE
-  UTILITY/POWER POLE (UP)(PP)(TP)
-  SERVICE POLE (SP)
-  BOLLARD
-  GRATE INLET-SQUARE SIGN
-  WATER VALVE (WV)
-  WATER METER (WM)
-  FIRE HYDRANT (FH)
-  CLEAN OUT (CO)
-  MANHOLE (UNKNOWN TYPE)
-  SANITARY SEWER MANHOLE (SSMH)
-  ELECTRICAL MANHOLE
-  STORM DRAIN MANHOLE (SDMH)

-  FINISHED FLOOR ELEVATION
-  INVERT ELEVATION
-  REINFORCED CONCRETE PIPE
-  CORRUGATED METAL PIPE
-  DUCTILE IRON PIPE
-  TRAFFIC SIGNAL POLE (TSP)
-  TELEPHONE RISER
-  IRRIGATION CONTROL VALVE
-  WATER VAULT
-  HEADWALL (HW)
-  SINGLE WING CATCHBASIN
-  DOUBLE WING CATCHBASIN
-  IRON PIN FOUND
-  TREE
-  MAIL BOX
-  GUY POLE (GP)
-  TRAFFIC CONTROL POLE (TCP)
-  TRANSFORMER
-  FIBER OPTIC BOX
-  TRAFFIC CONTROL BOX (TCB)
-  HANDICAP RAMP
-  ELECTRICAL METER (EM)
-  TELEPHONE MANHOLE

-  FLOW ARROW
-  COLUMN
-  CURB INLET (CI)
-  CATCHBASIN (CB)
-  MONITORING WELL (MW)
-  TRASH CAN
-  SPIGOT
-  CABLE TV MARKER
-  CABLE TV PEDESTAL
-  ELECTRIC BOX
-  ASPHALT
-  CONCRETE
-  GRAVEL
-  MINOR CONTOUR
-  MAJOR CONTOUR



SEE SHEET 105A FOR NOTES




SEE SHEET 105E

SEE SHEET 105A


NO.	DATE	DESCRIPTION

REVISIONS

Corporate Environmental Risk Management
 1990 Lakeside Parkway Suite 300 Tucker GA 30084
 O: 678.999.0173 F: 678.999.0186
www.cerfm.com

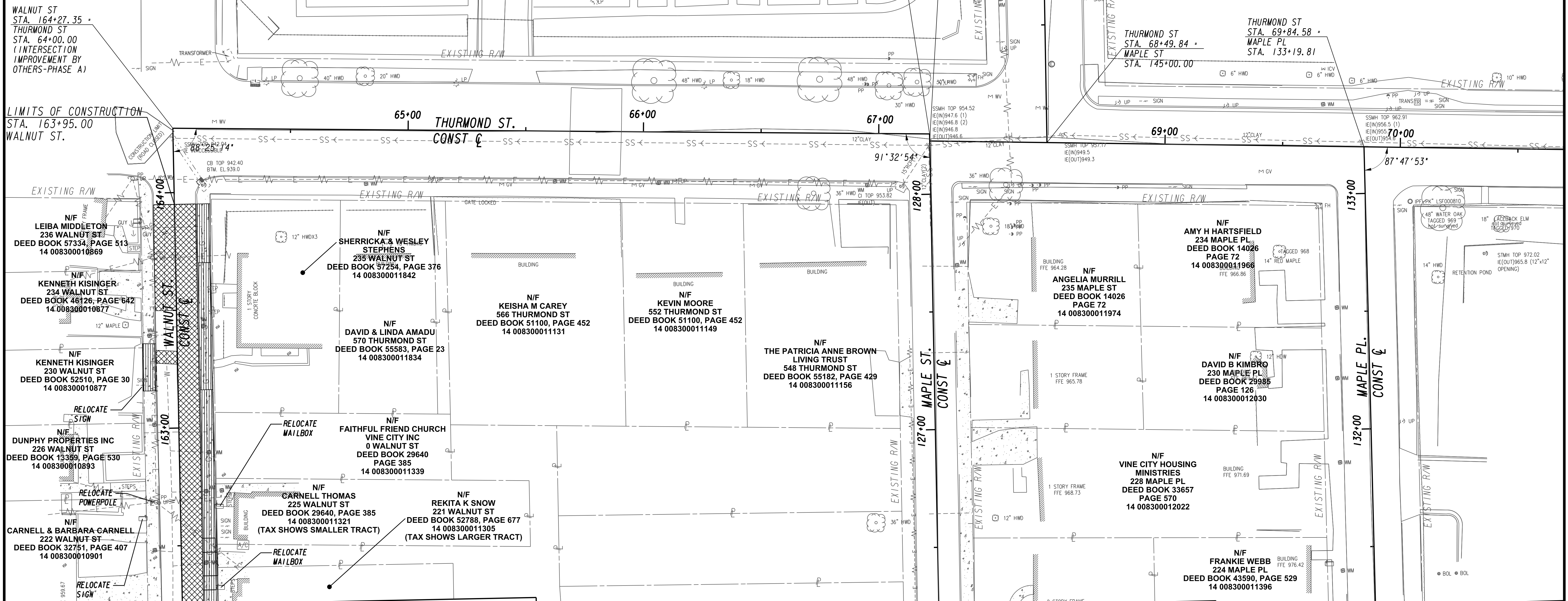
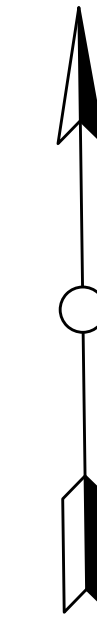
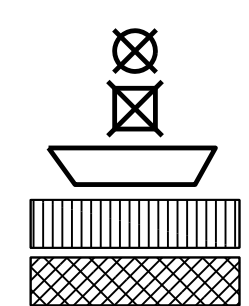
PROJECT: UPPER PROCTOR CREEK CAPACITY RELIEF LAND LOTS 83 & 110 14th DISTRICT CITY OF ATLANTA FULTON COUNTY, GEORGIA	CLIENT:  WATERSHED management
---	---

PROJ. NO.: 2018-1380-009 DATE: 2/21/2019 SCALE: 1"=40' DRAWN BY: DGK CHECKED BY: ELS	SHEET TITLE TOPOGRAPHIC SURVEY SHEET NO. G-105F
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DEMOLITION LEGEND

- REMOVE CURB OR PLANTER EDGING
- REMOVE TREE
- REMOVE PLANTER OR BRICK MAILBOX
- REMOVE DRIVEWAY APRON
- REMOVE CONCRETE
- REMOVE ASPHALT PAVEMENT

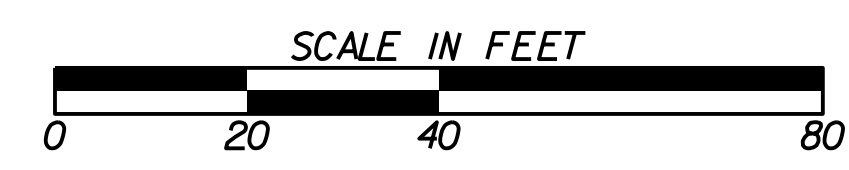


LIMITS OF CONSTRUCTION
STA. 163+95.00
WALNUT ST.

MATCH LINE STA 162+75 (WALNUT ST.) SEE DRAWING RDP-101

MATCH LINE STA 126+75 (MAPLE ST.) SEE DRAWING RDP-101

MATCH LINE STA 131+75 (MAPLE PL.) SEE DRAWING RDP-101



Benchmark Management
wsp
BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

SUBMITTED: _____
PROJECT MANAGER
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
APPROVED BY: _____
DATE: _____



PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

CITY OF ATLANTA DEPARTMENT OF watershed management
UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS

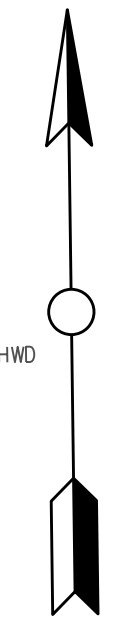
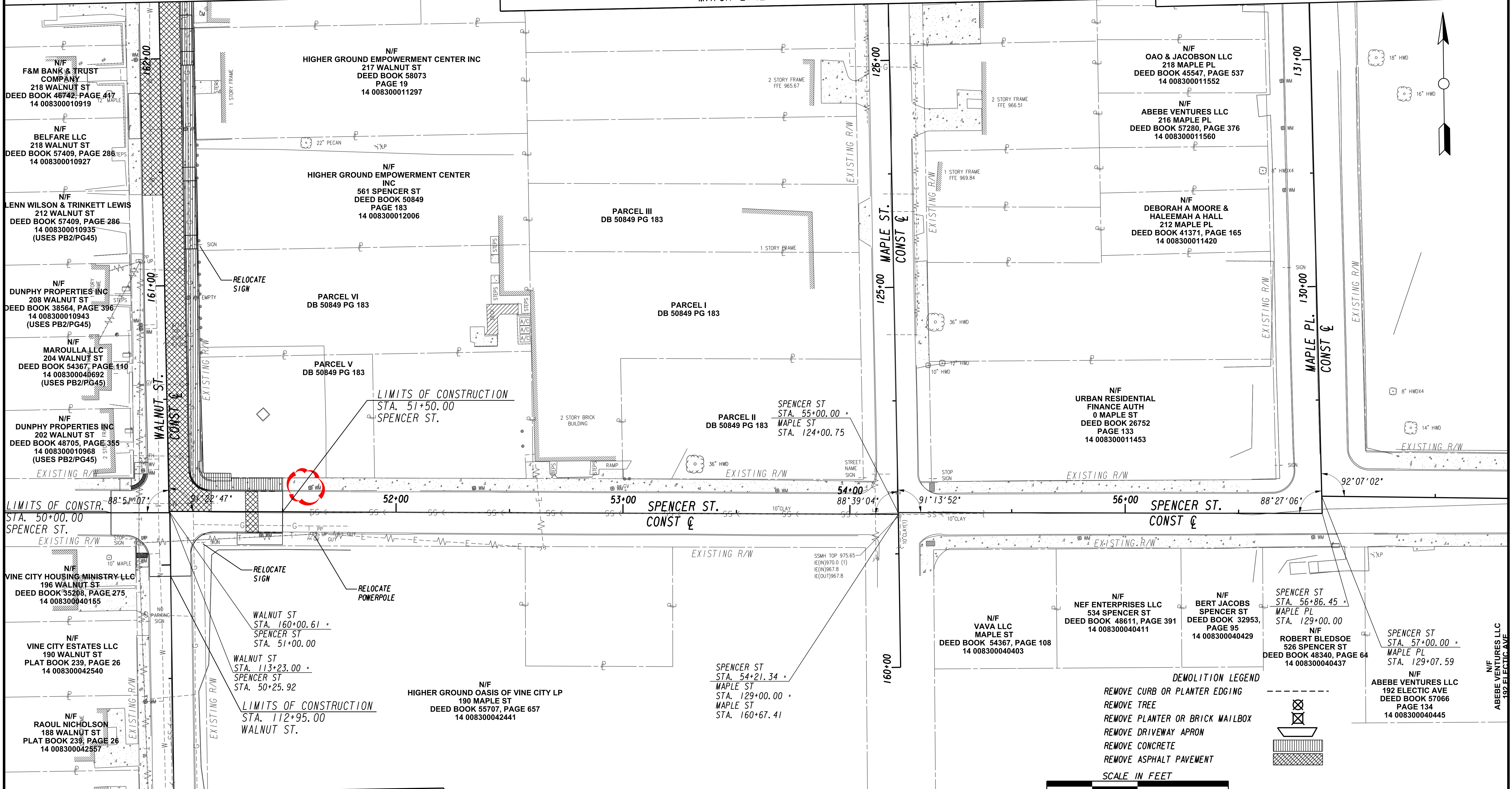
DEMOLITION PLANS

FILE NAME: 7383112-
BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER: FC-7383F
DRAWING NUMBER: **RDP-100**

MATCH LINE STA 162+75 (WALNUT ST.) SEE DRAWING RDP-100

MATCH LINE STA 126+75 (MAPLE ST.) SEE DRAWING RDP-100

MATCH LINE STA 131+75 (MAPLE PL.) SEE DRAWING RDP-100



MATCH LINE STA 112+00 (WALNUT ST.) SEE DRAWING NO. RDP-102

DEMOLITION LEGEND
REMOVE CURB OR PLANTER EDGING



Benchmark Management
wsp
BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
PROJECT MANAGER:	DESIGNED BY:
DATE:	DRAWN BY:
APPROVED:	CHECKED BY:
DATE:	APPROVED BY:



PLAT CARDS					
REV.	DATE	BY	CHK.	APP.	DESCRIPTION

CITY OF ATLANTA DEPARTMENT OF watershed management
UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS

DEMOLITION PLANS

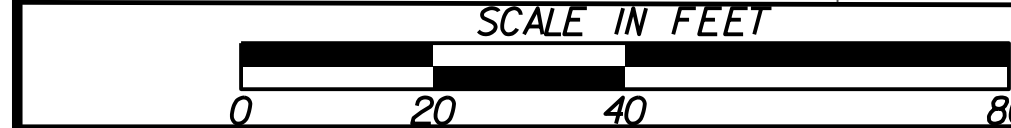
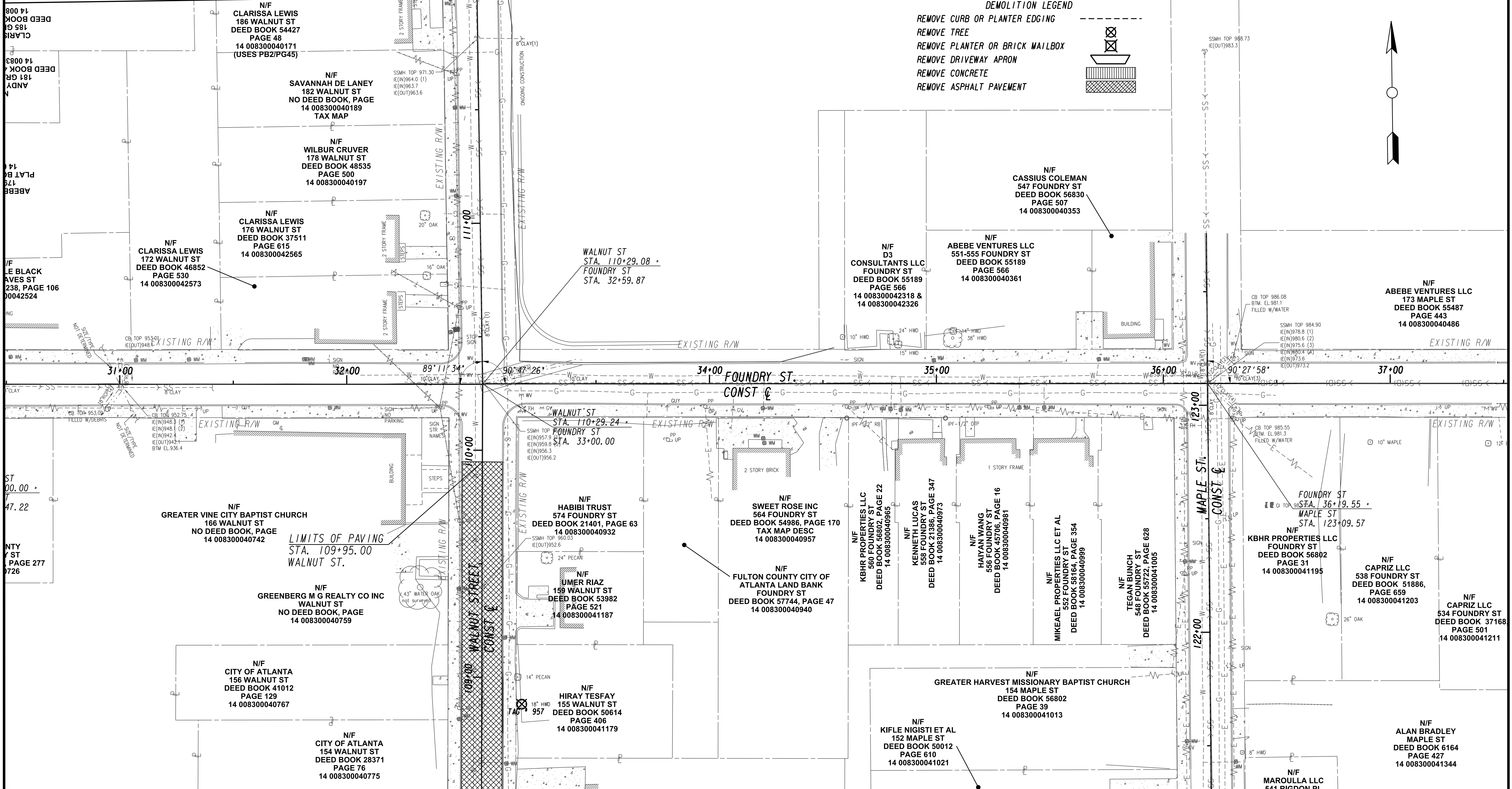
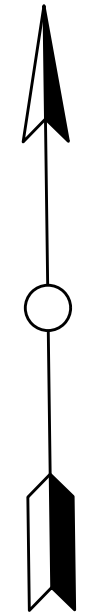
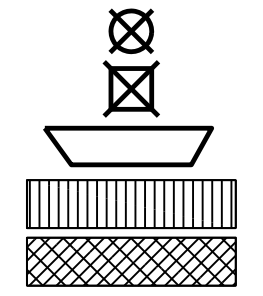
FILE NAME 7383112-
BMMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER RDP-101

REMOVE CONCRETE
REMOVE ASPHALT PAVEMENT

MATCH LINE STA 112+00 (WALNUT ST.) SEE DRAWING NO. RDP-101

DEMOLITION LEGEND

- REMOVE CURB OR PLANTER EDGING
- REMOVE TREE
- REMOVE PLANTER OR BRICK MAILBOX
- REMOVE DRIVEWAY APRON
- REMOVE CONCRETE
- REMOVE ASPHALT PAVEMENT



MATCH LINE STA. 108+50 (WALNUT ST.) SEE DRAWING No. RDP-103

Benchmark Management
wsp

BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

SUBMITTED: _____
PROJECT MANAGER

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

CHECKED BY: _____

APPROVED BY: _____

DATE: _____



PLAT CARDS		REVISIONS			
REV.	DATE	BY	CHK.	APP.	DESCRIPTION

CITY OF ATLANTA DEPARTMENT OF watershed management

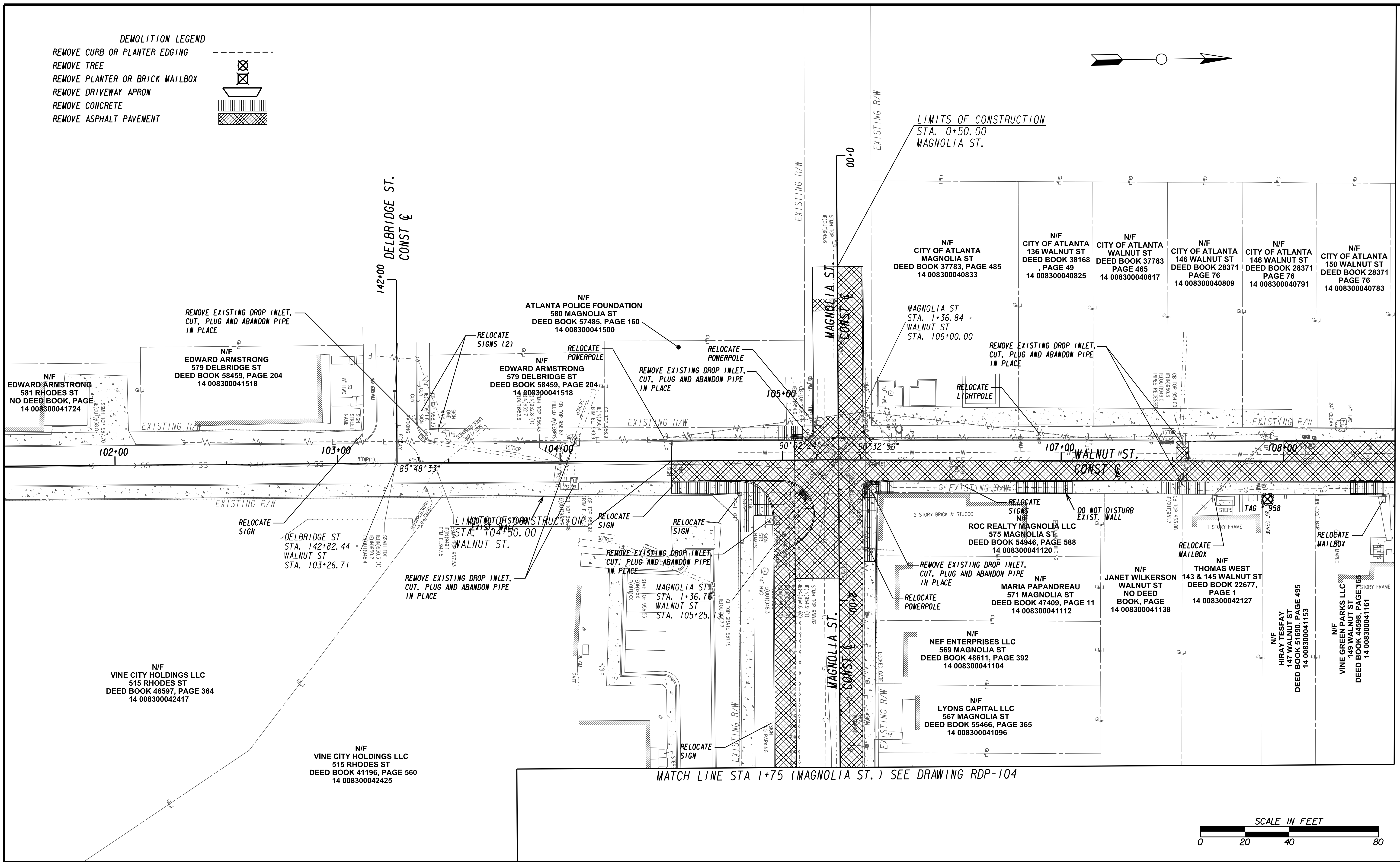
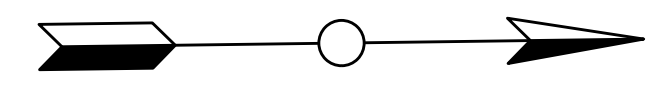
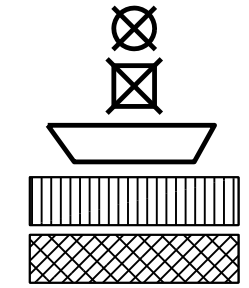
UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS

DEMOLITION PLANS

FILE NAME: 7383112-
BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER: FC-7383F
DRAWING NUMBER: **RDP-102**

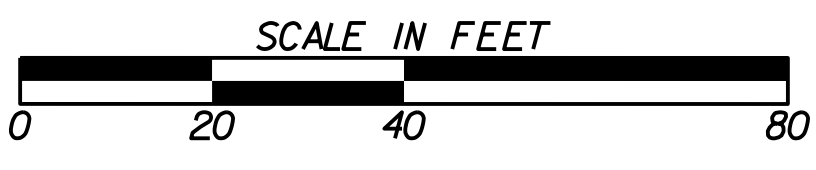
DEMOLITION LEGEND

- REMOVE CURB OR PLANTER EDGING
- REMOVE TREE
- REMOVE PLANTER OR BRICK MAILBOX
- REMOVE DRIVEWAY APRON
- REMOVE CONCRETE
- REMOVE ASPHALT PAVEMENT



MATCH LINE STA. 108+50 (WALNUT ST.) SEE DRAWING No. RDP-102

MATCH LINE STA 1+75 (MAGNOLIA ST.) SEE DRAWING RDP-104



SUBMITTED: PROJECT MANAGER DATE:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
DESIGNED BY: DRAWN BY: CHECKED BY: APPROVED BY:	

PLAT CARDS						REVISIONS	
REV.	DATE	BY	CHK.	APP.	DESCRIPTION		

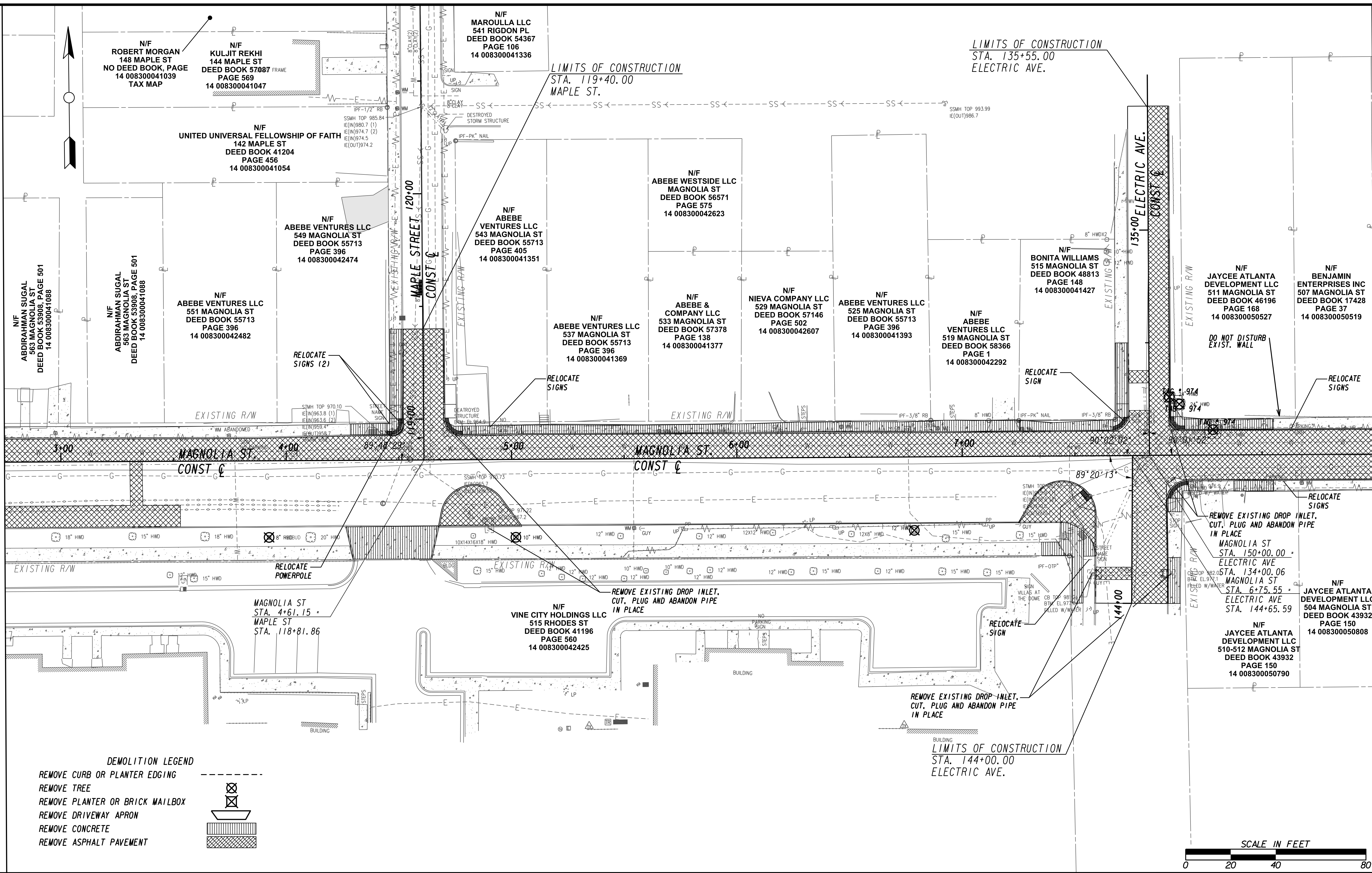
**UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS**

DEMOLITION PLANS

FILE NAME 7383112-
BMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER RDP-103

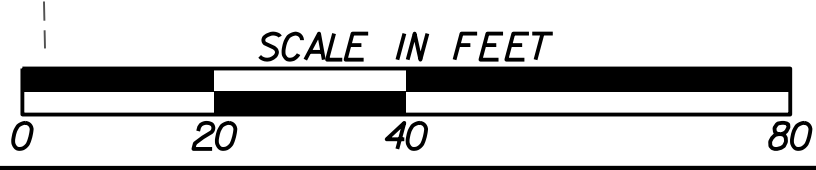
MATCH LINE STA 1+75 (MAGNOLIA ST.) SEE DRAWING RDP-103

MATCH LINE STA 151+00 (MAGNOLIA ST.) SEE DRAWING RDP-105



DEMOLITION LEGEND

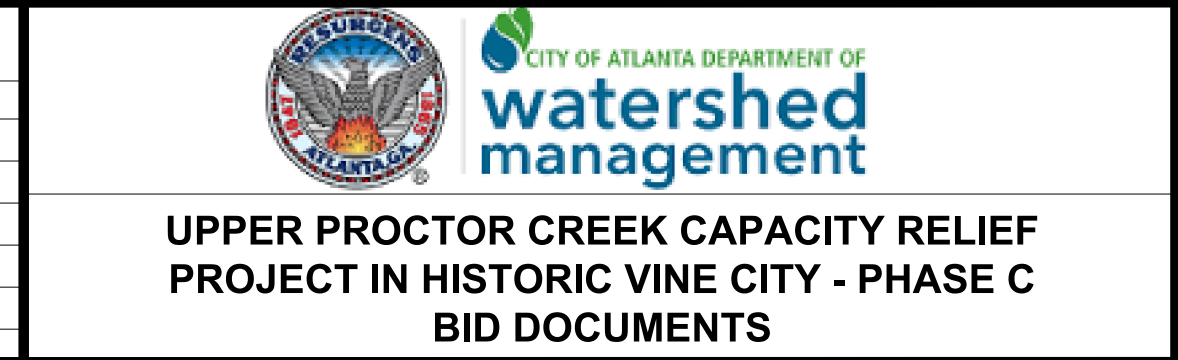
- REMOVE CURB OR PLANTER EDGING
- REMOVE TREE
- REMOVE PLANTER OR BRICK MAILBOX
- REMOVE DRIVEWAY APRON
- REMOVE CONCRETE
- REMOVE ASPHALT PAVEMENT



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED: _____
 DATE: _____
 APPROVED BY: _____

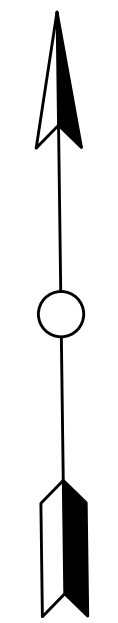


PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

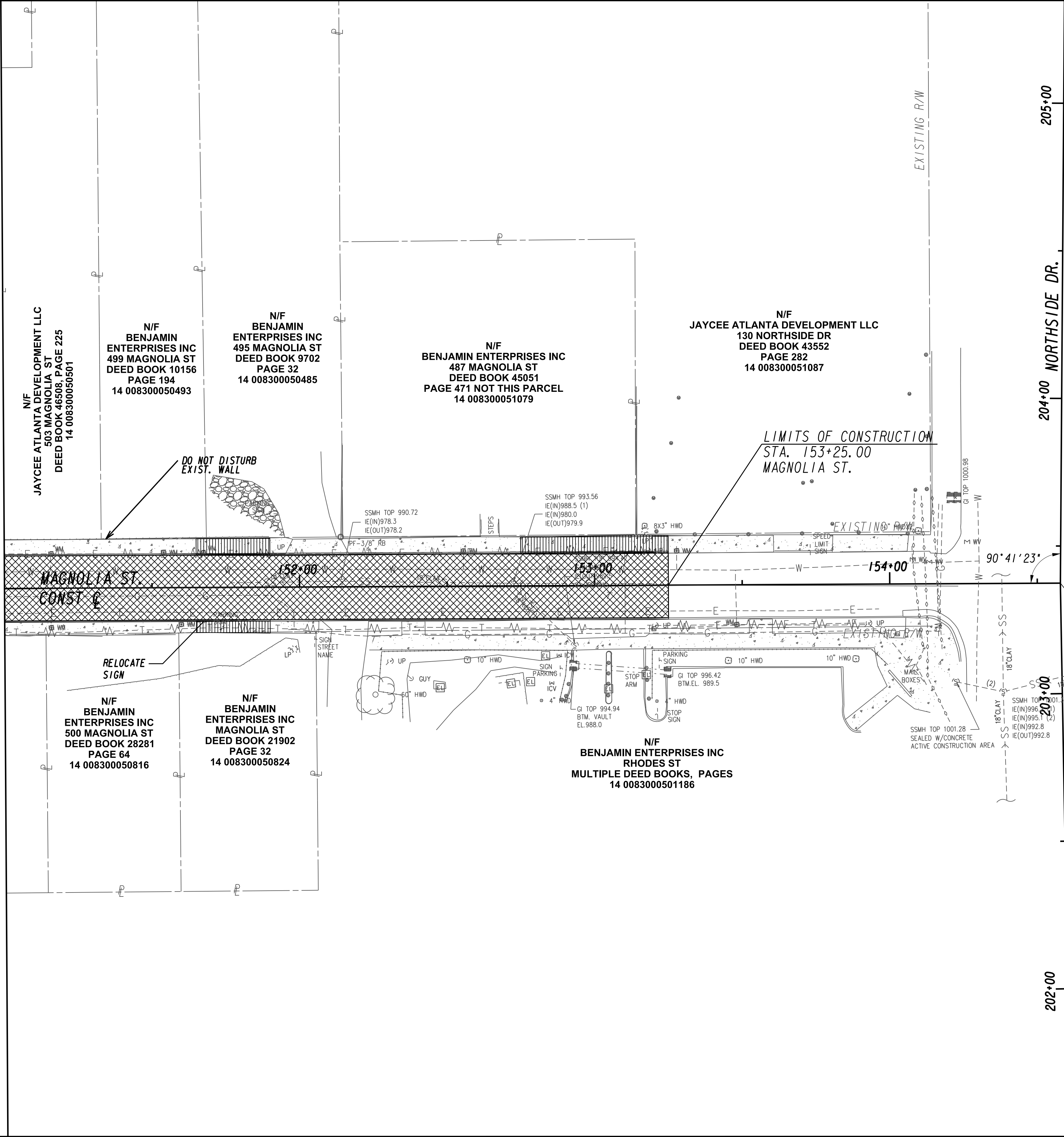


DEMOLITION PLANS

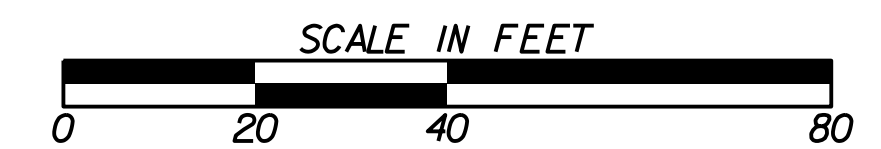
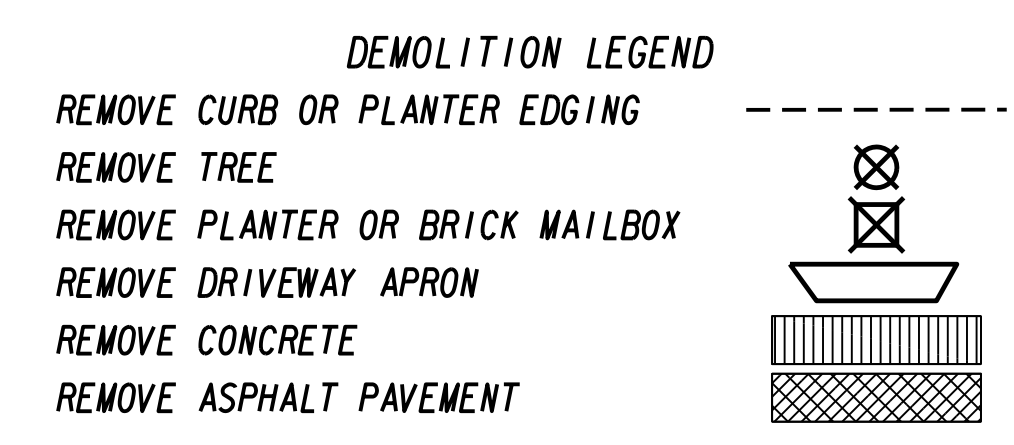
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 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **RDP-104**



MATCH LINE STA 151+00 (MAGNOLIA ST.) SEE DRAWING RDP-104



SMMH TOP 1000.79
AREA UNDER
CONSTRUCTION
MAGNOLIA ST
STA. 154+57.83
NORTHSIDE DR
STA. 203+37.43



SUBMITTED: _____
PROJECT MANAGER
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
APPROVED BY: _____
DATE: _____

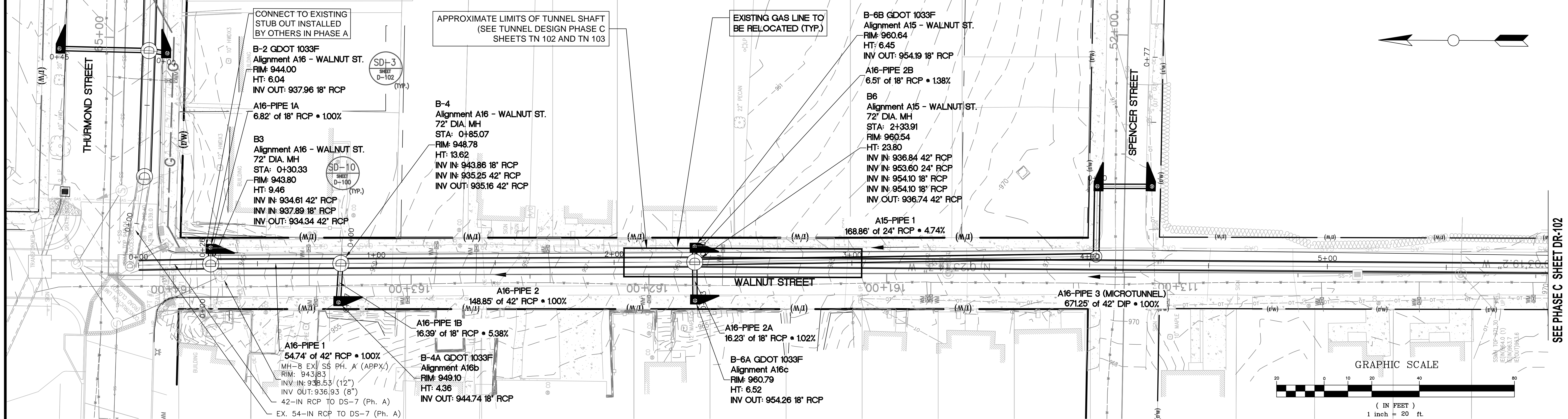


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REV.	DATE	BY	CHK.	APP.	DESCRIPTION

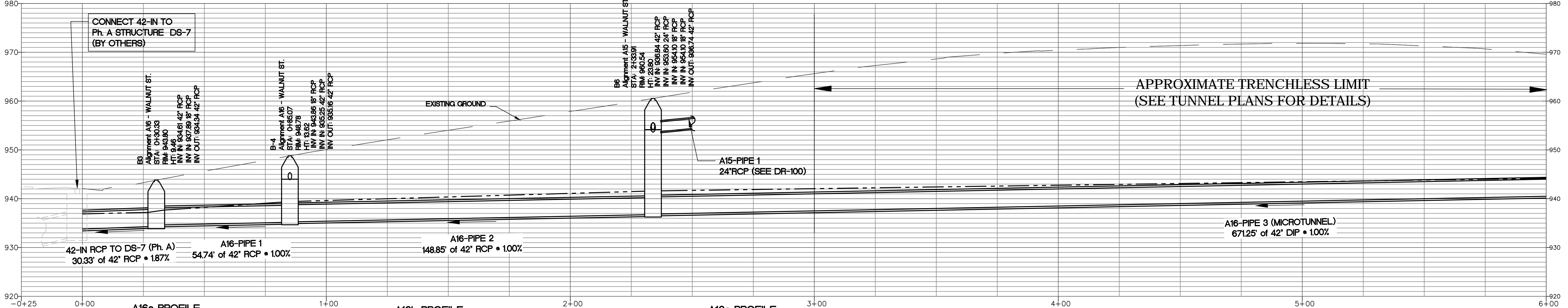
**UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS**

DEMOLITION PLANS

FILE NAME
7383112-
BMLLC PROJECT NUMBER
3089 A/E T.O. # 19
CLIENT PROJECT NUMBER
FC-7383F
DRAWING NUMBER
RDP-105



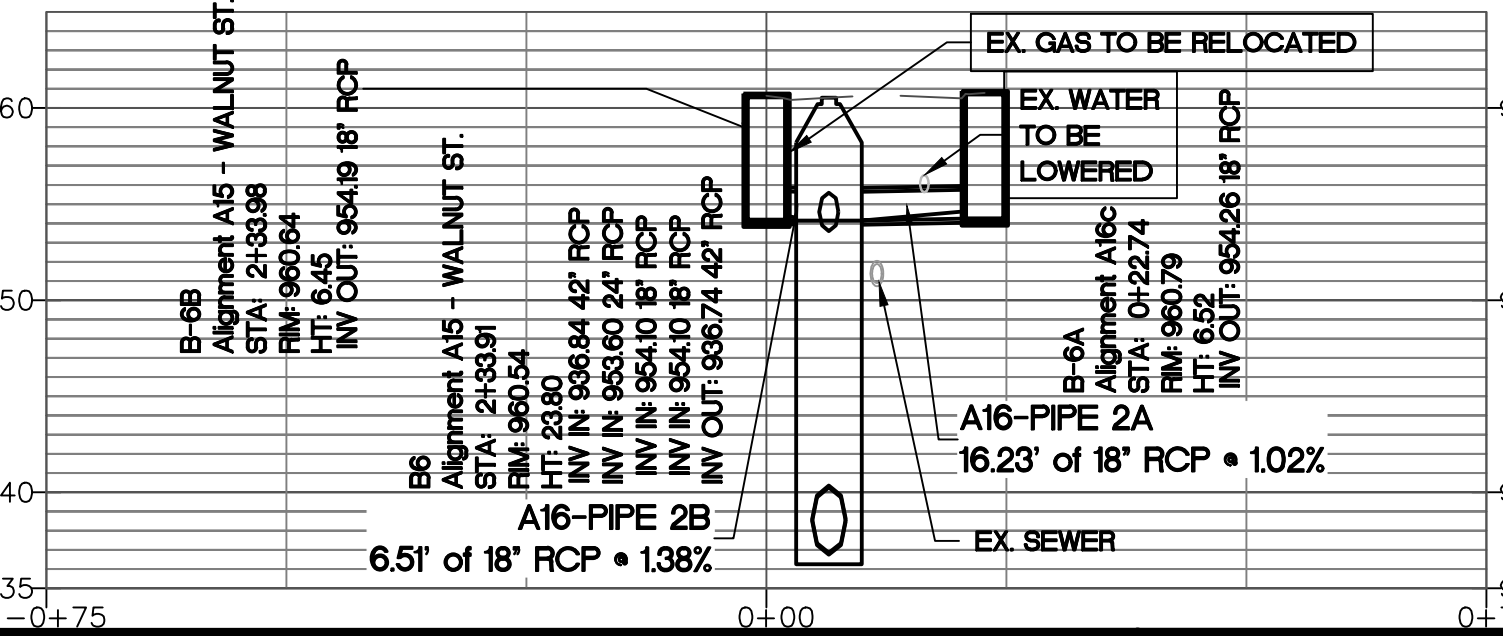
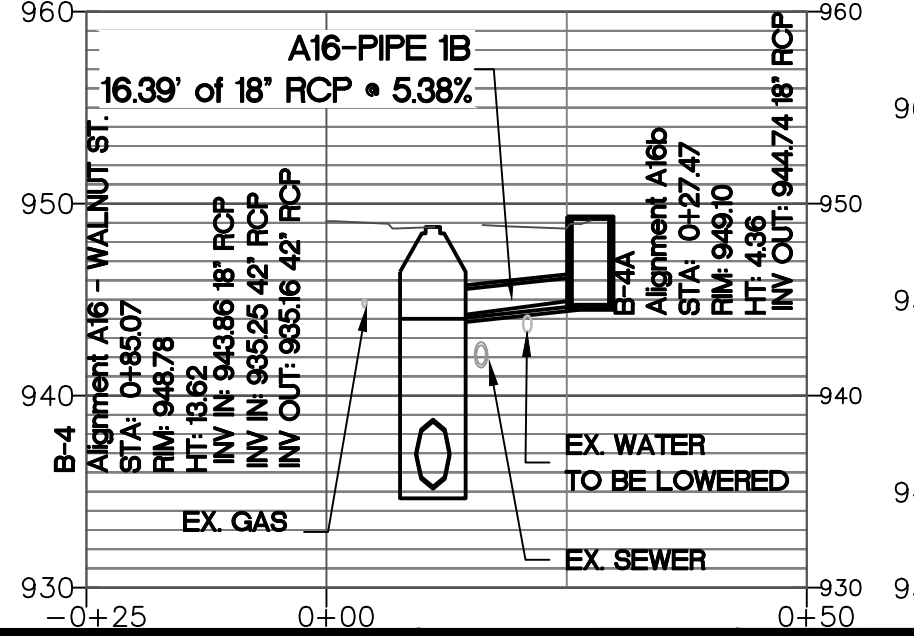
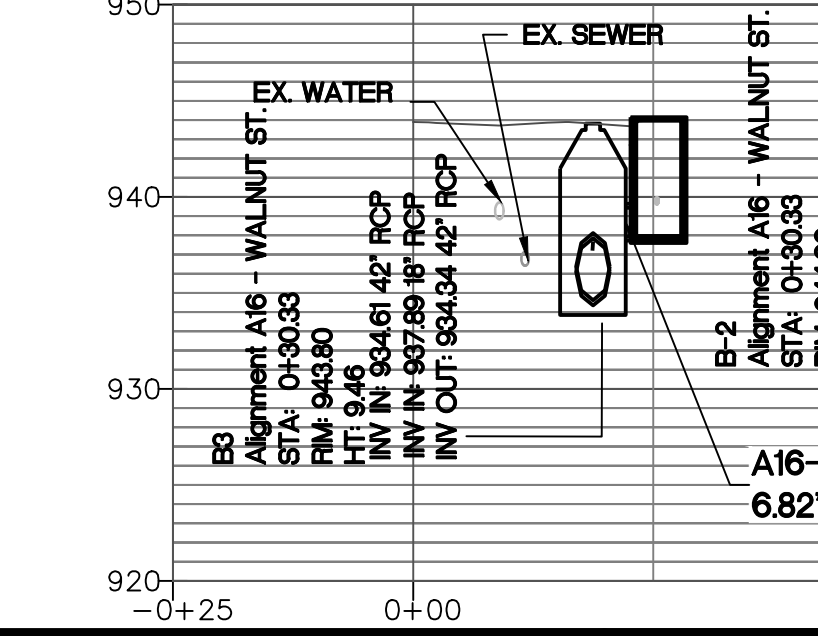
A16 - WALNUT ST. PROFILE



A16a PROFILE

A16b PROFILE

A16c PROFILE



HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

Benchmark Management
BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" SCALE ACCORDINGLY)
PROJECT MANAGER:	DESIGNED BY: TJ
DATE: 11/15/2019	DRAWN BY: TJ
APPROVED:	CHECKED BY: RC
DATE:	APPROVED BY: EA



PLAT CARDS		
52	675	111
112	945	

REVISIONS						
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

CITY OF ATLANTA DEPARTMENT OF watershed management

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

STORM SEWER PLAN AND PROFILE
PHASE C - A16
WALNUT ST.

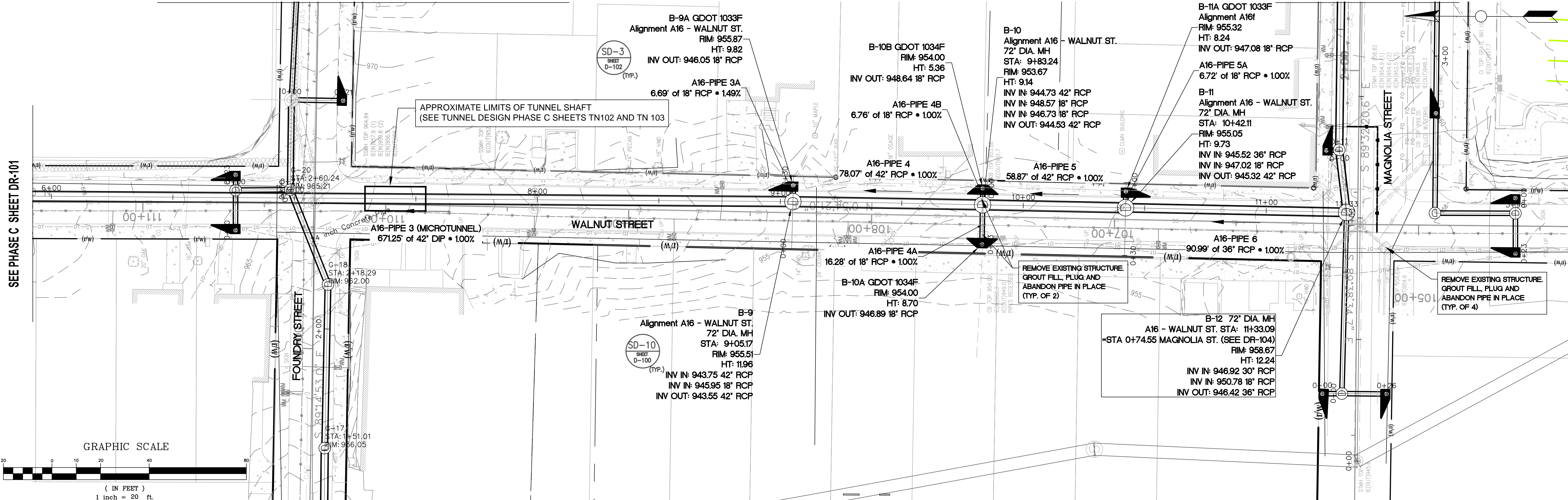
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BMMLC PROJECT NUMBER	3089 A/E.T.O. # 19
CLIENT PROJECT NUMBER	
DRAWING NUMBER	DR-101

SEE PHASE B SHEET DR-112

SEE PHASE C SHEET DR-104

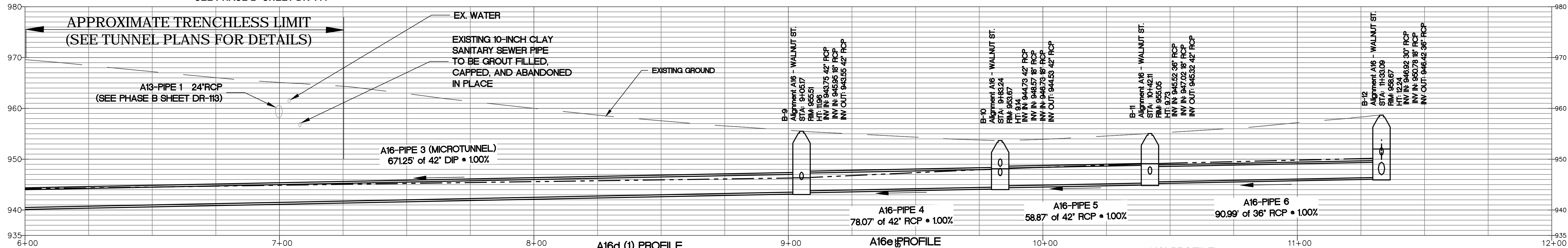
SEE PHASE C SHEET DR-101

SEE PHASE C SHEET DR-103



SEE PHASE B SHEET DR-111

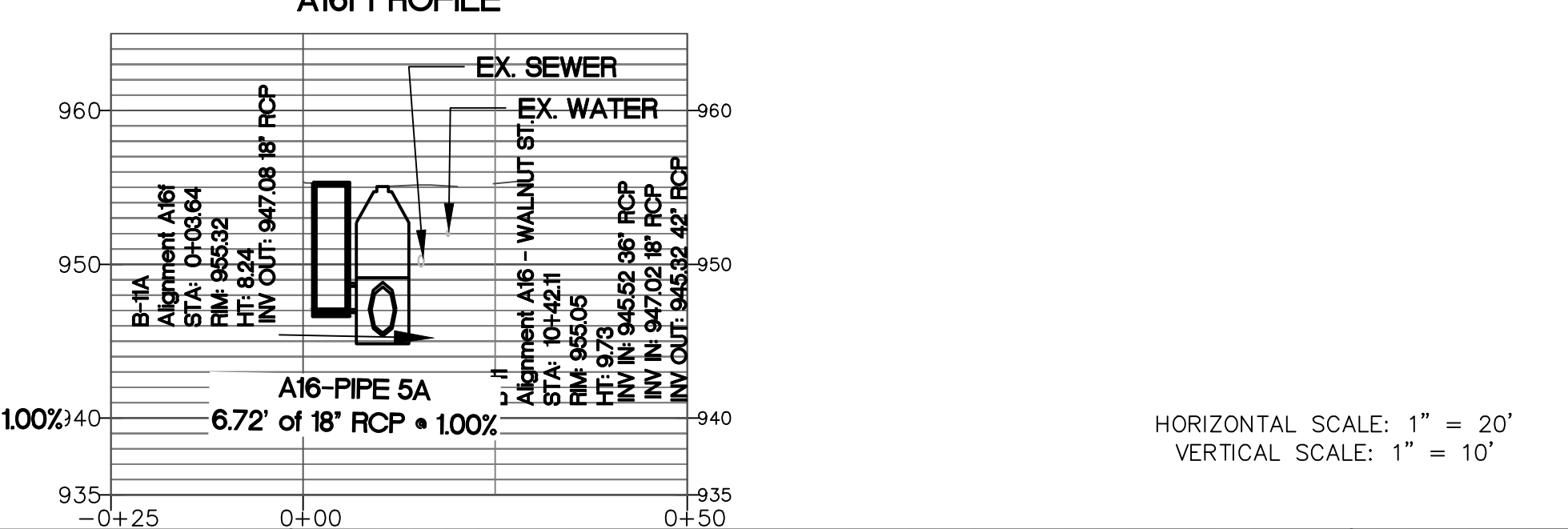
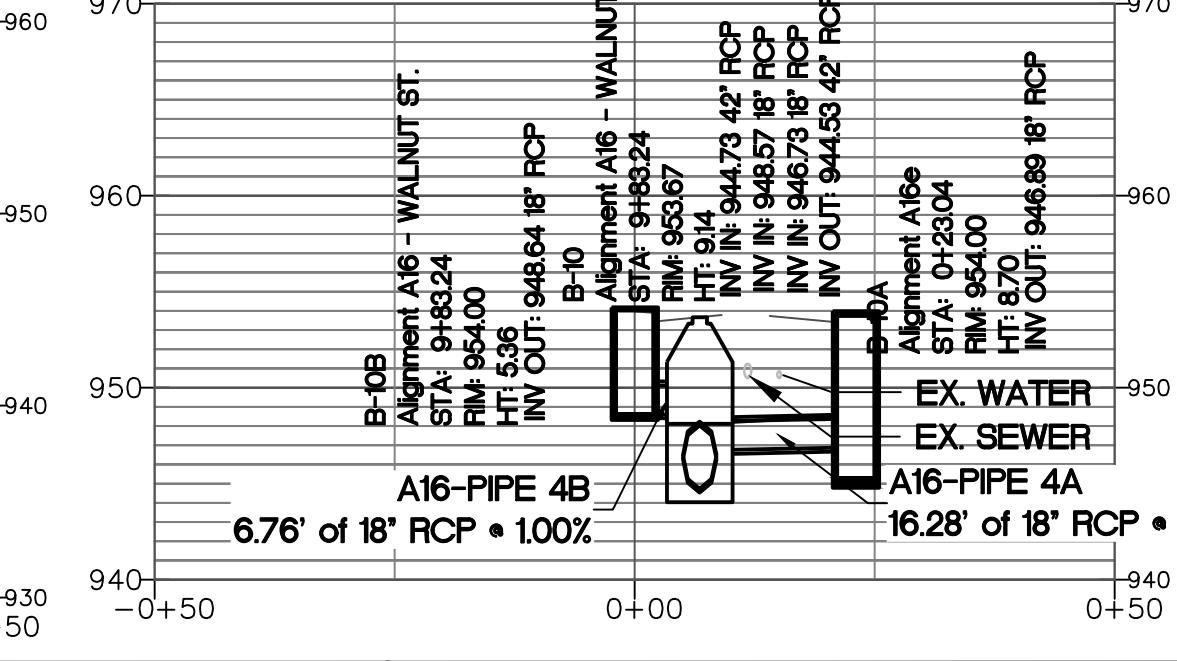
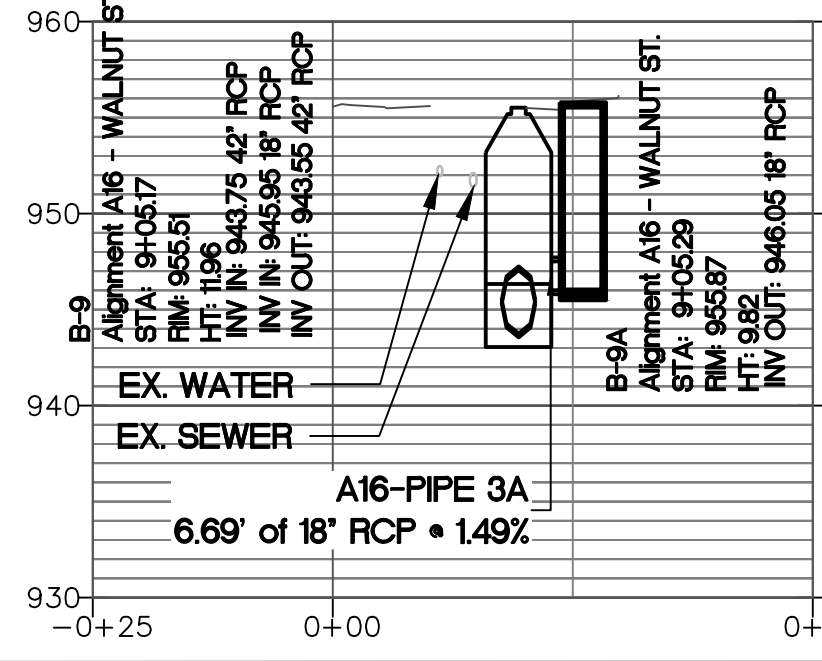
A16 - WALNUT ST. PROFILE



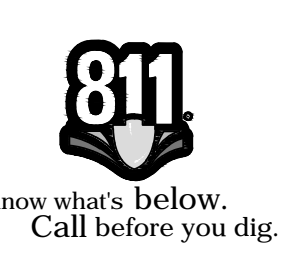
A16d (1) PROFILE

A16e PROFILE

A16f PROFILE



HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'



Benchmark Management
BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" SCALE ACCORDINGLY)
PROJECT MANAGER:	DESIGNED BY: TJ
DATE: 11/15/2019	DRAWN BY: TJ
APPROVED:	CHECKED BY: RC
DATE:	APPROVED BY: EA



PLAT CARDS		
52	675	111
112	945	

REVISIONS					
REV.	DATE	BY	CHK.	APP.	DESCRIPTION

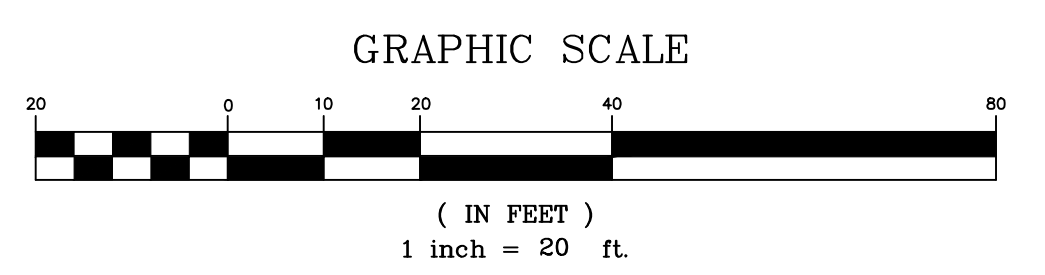
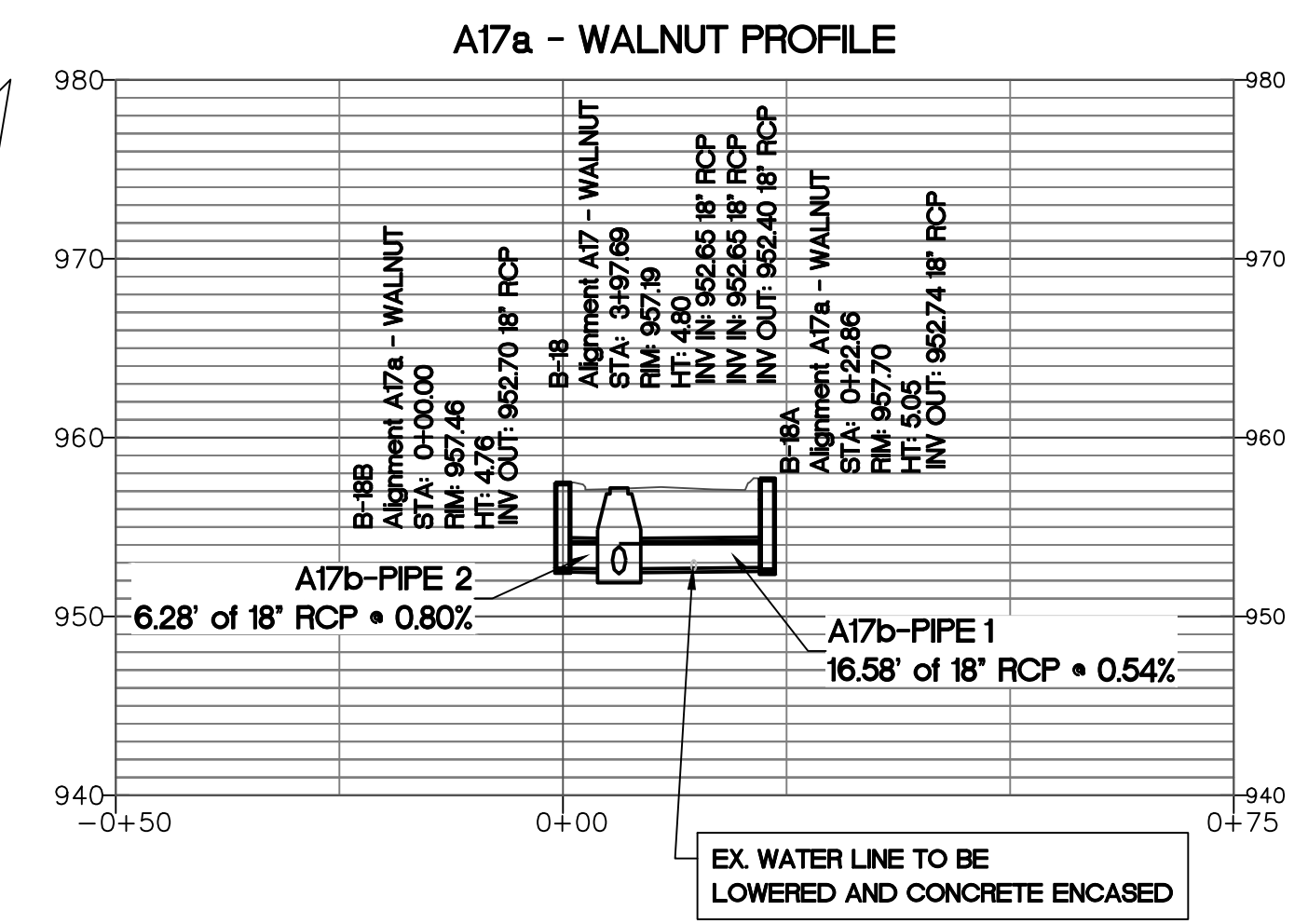
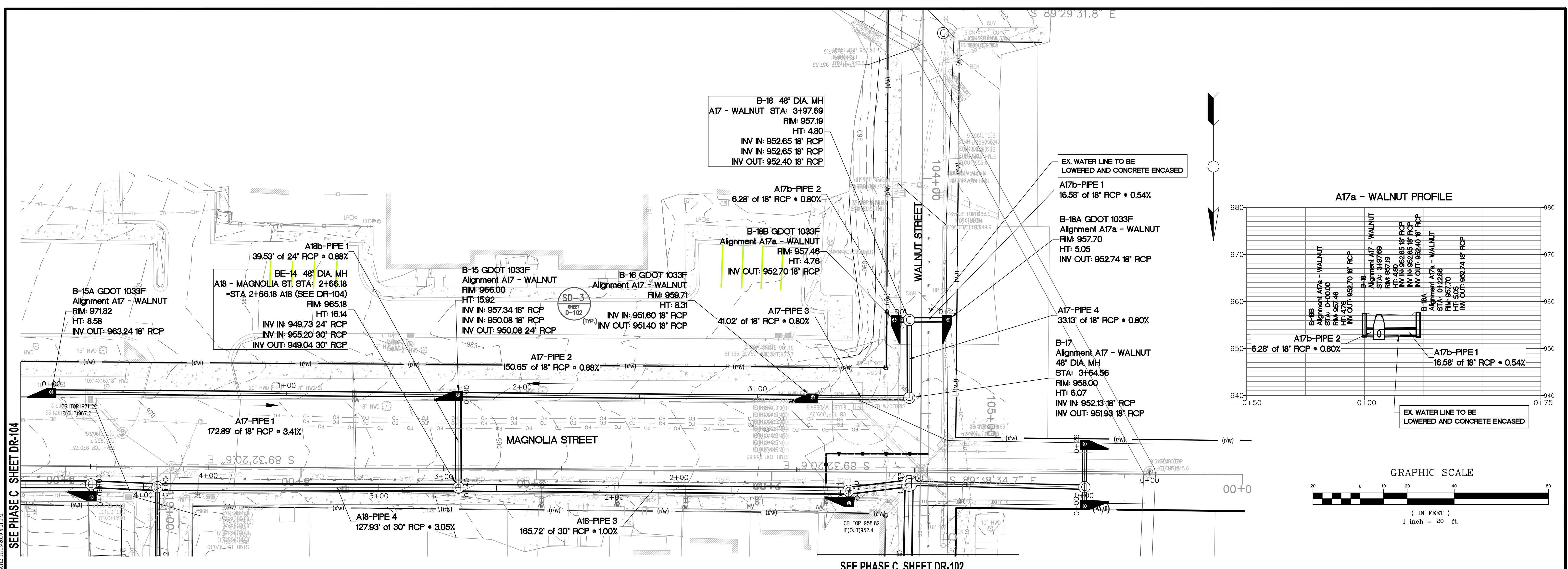
CITY OF ATLANTA DEPARTMENT OF watershed management

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

STORM SEWER PLAN AND PROFILE
PHASE C - A16
WALNUT ST.

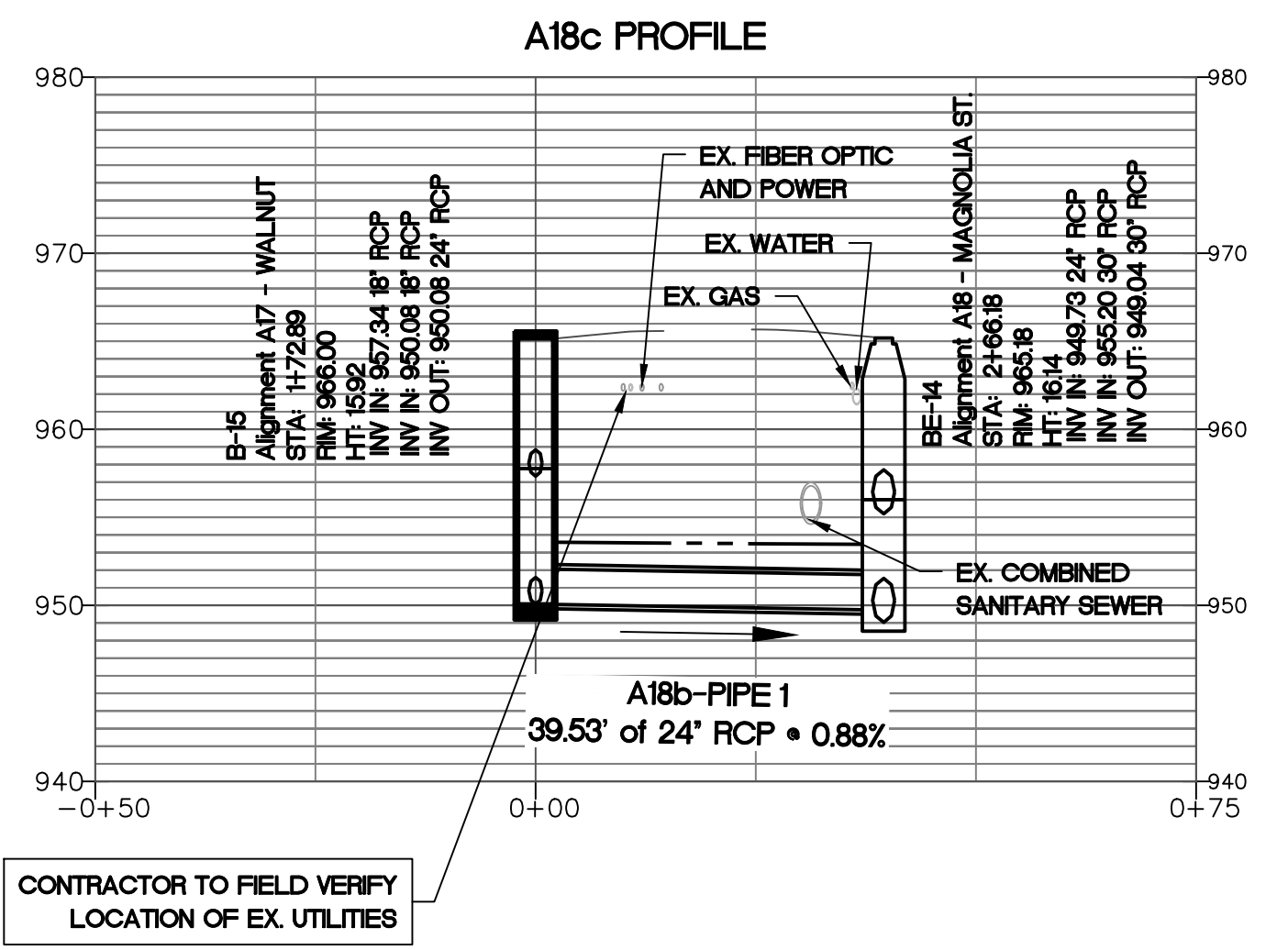
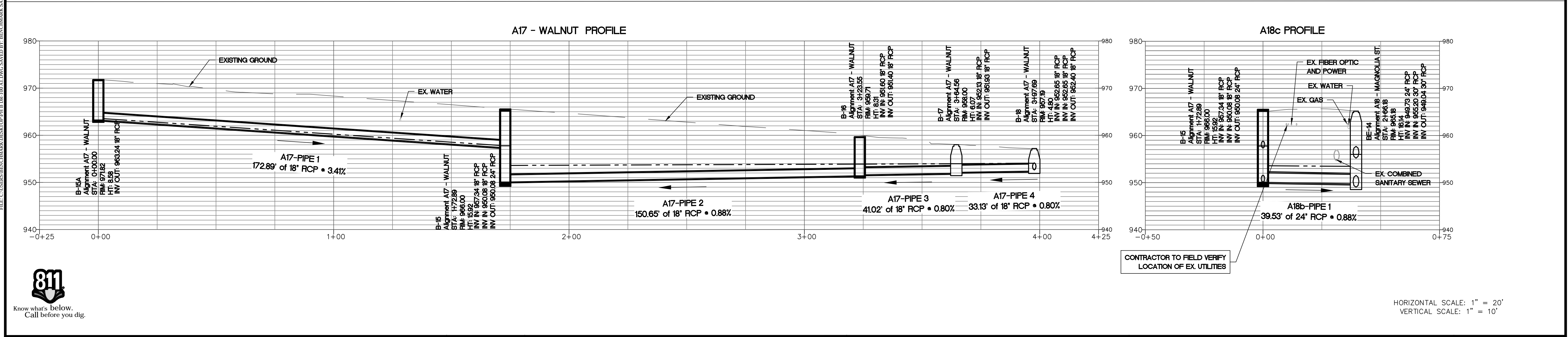
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BMMLLC PROJECT NUMBER: 3089 A/E.T.O. # 19
CLIENT PROJECT NUMBER:
DRAWING NUMBER: DR-102

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SEE PHASE C SHEET DR-104

SEE PHASE C SHEET DR-102



CONTRACTOR TO FIELD VERIFY LOCATION OF EX. UTILITIES

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'



Benchmark Management
BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
PROJECT MANAGER:	DESIGNED BY: TJ
DATE: 11/15/2019	DRAWN BY: TJ
APPROVED:	CHECKED BY: RC
DATE:	APPROVED BY: EA



PLAT CARDS		
52	675	111
112	945	

REVISIONS						
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

CITY OF ATLANTA DEPARTMENT OF watershed management

UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS

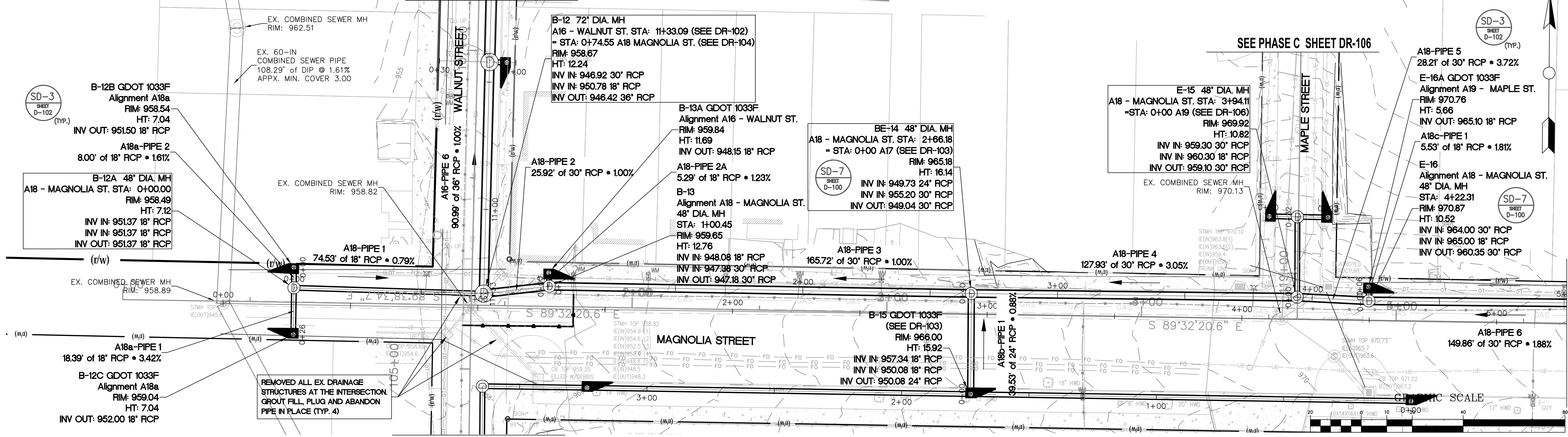
**STORM SEWER PLAN AND PROFILE
PHASE C - A17
WALNUT ST.**

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BMMLC PROJECT NUMBER 3089 A/E.T.O. # 19
CLIENT PROJECT NUMBER
DRAWING NUMBER DR-103

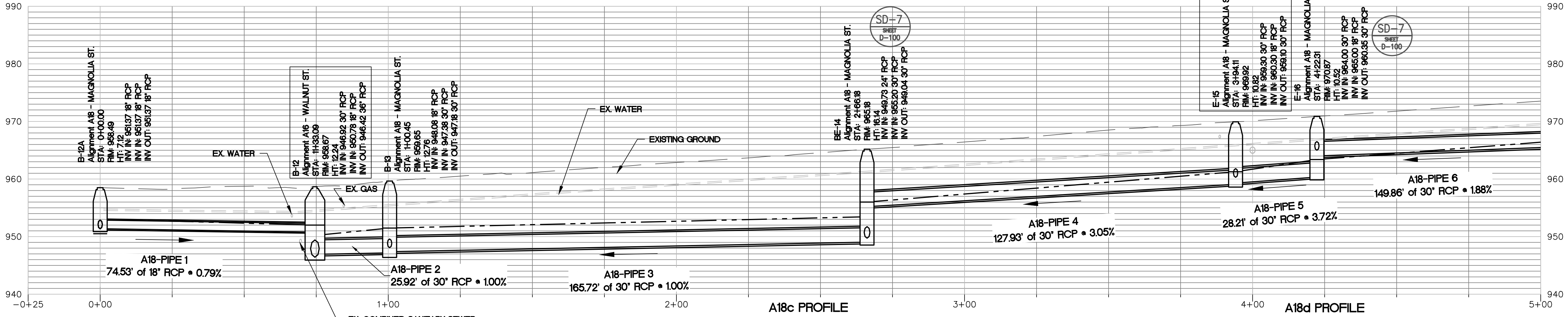
SEE PHASE C SHEET DR-102

SEE PHASE C SHEET DR-106

SEE PHASE C SHEET DR-105 MATCH LINE 5+00.00



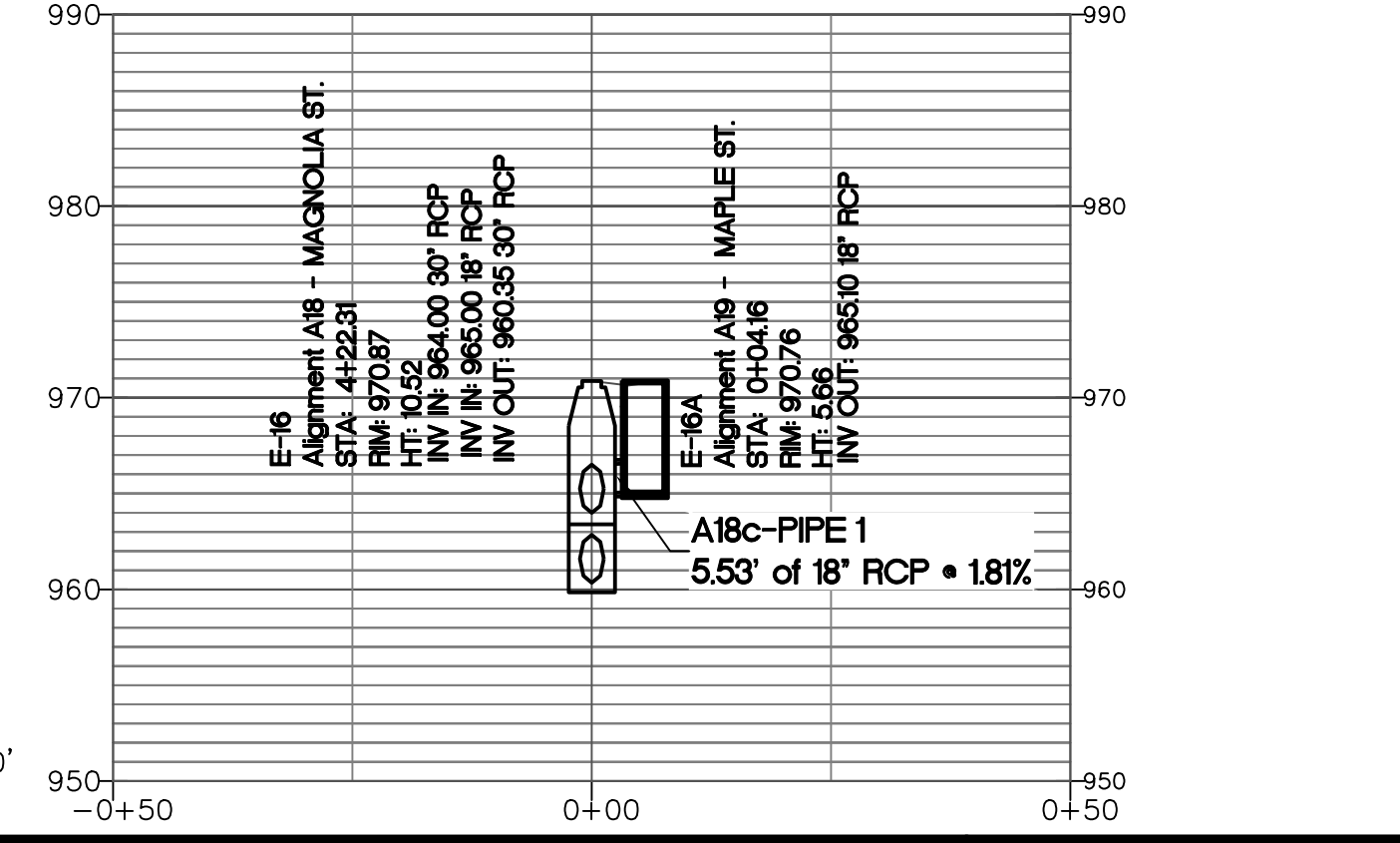
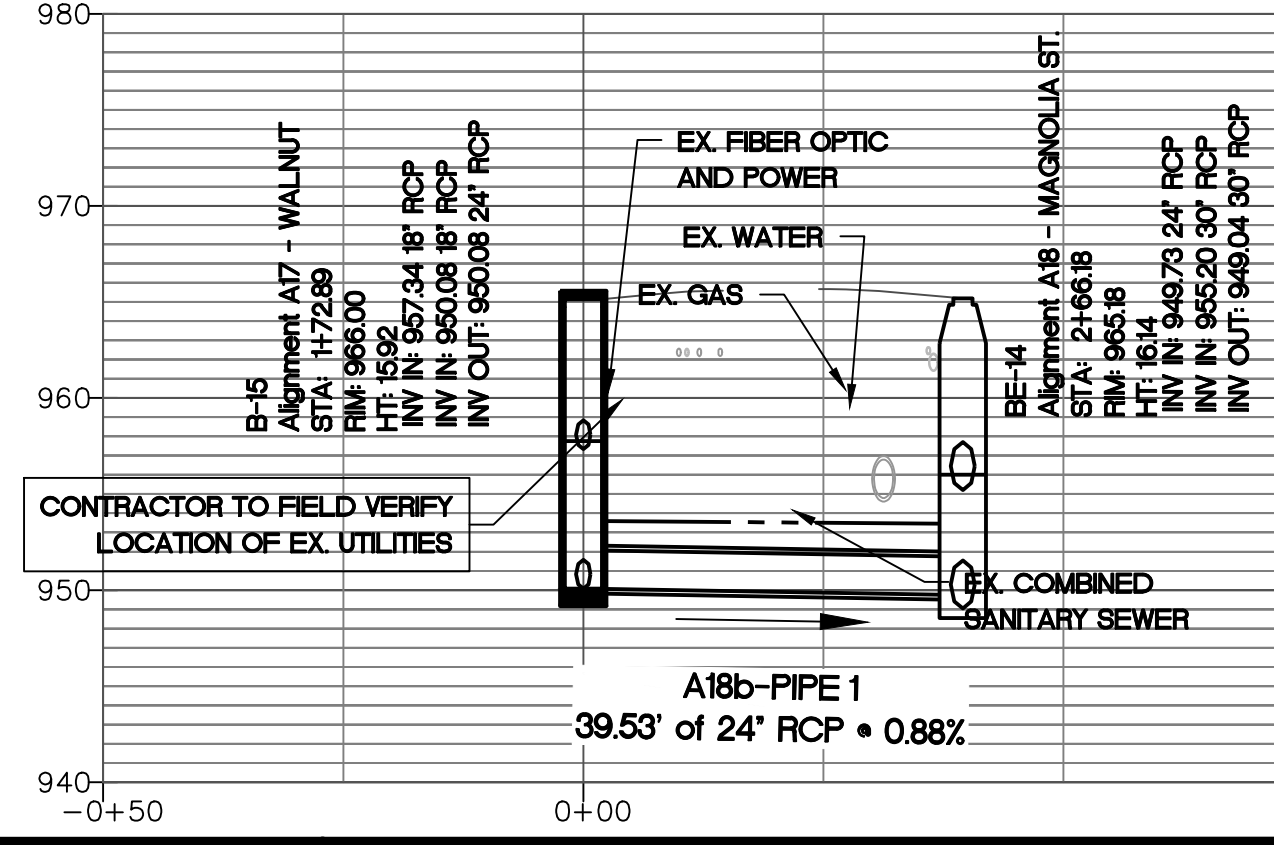
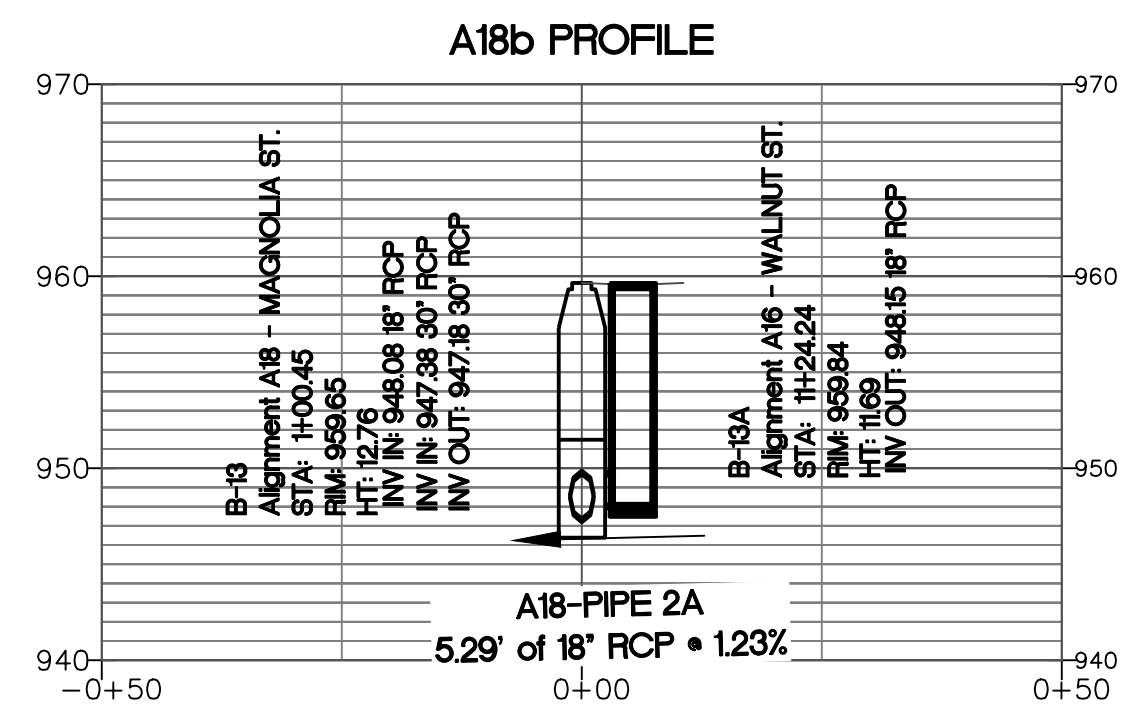
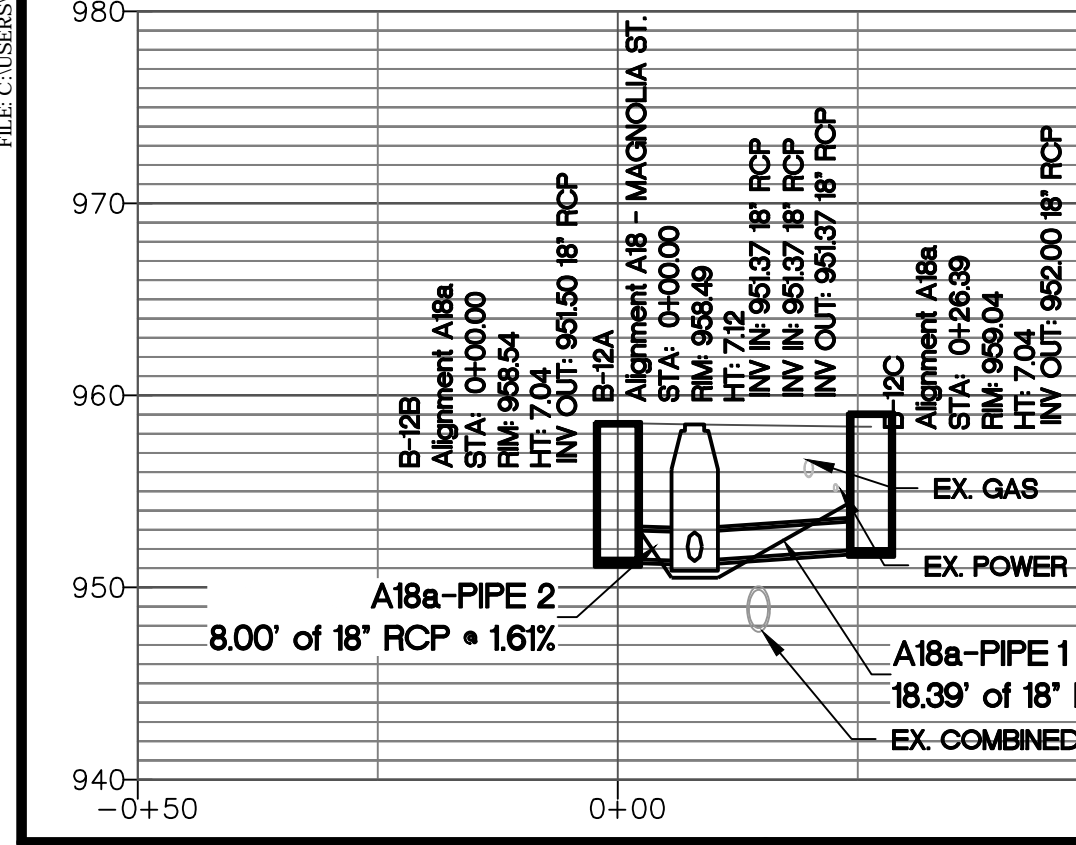
SEE PHASE C SHEET DR-103



A18a PROFILE

A18c PROFILE

A18d PROFILE



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Benchmark Management
 BENCHMARK MANAGEMENT LLC
 100 PEACHTREE STREET
 SUITE 1900
 ATLANTA, GA 30303
 TEL: (404) 581-9556
 FAX: (404) 581-0158

SUBMITTED:	LINE IS 2 INCHES
PROJECT MANAGER:	AT FULL SIZE
DATE: 11/15/2019	(IF NOT 2" SCALE ACCORDINGLY)
DESIGNED BY: TJ	
DRAWN BY: TJ	
CHECKED BY: RC	
APPROVED BY: EA	



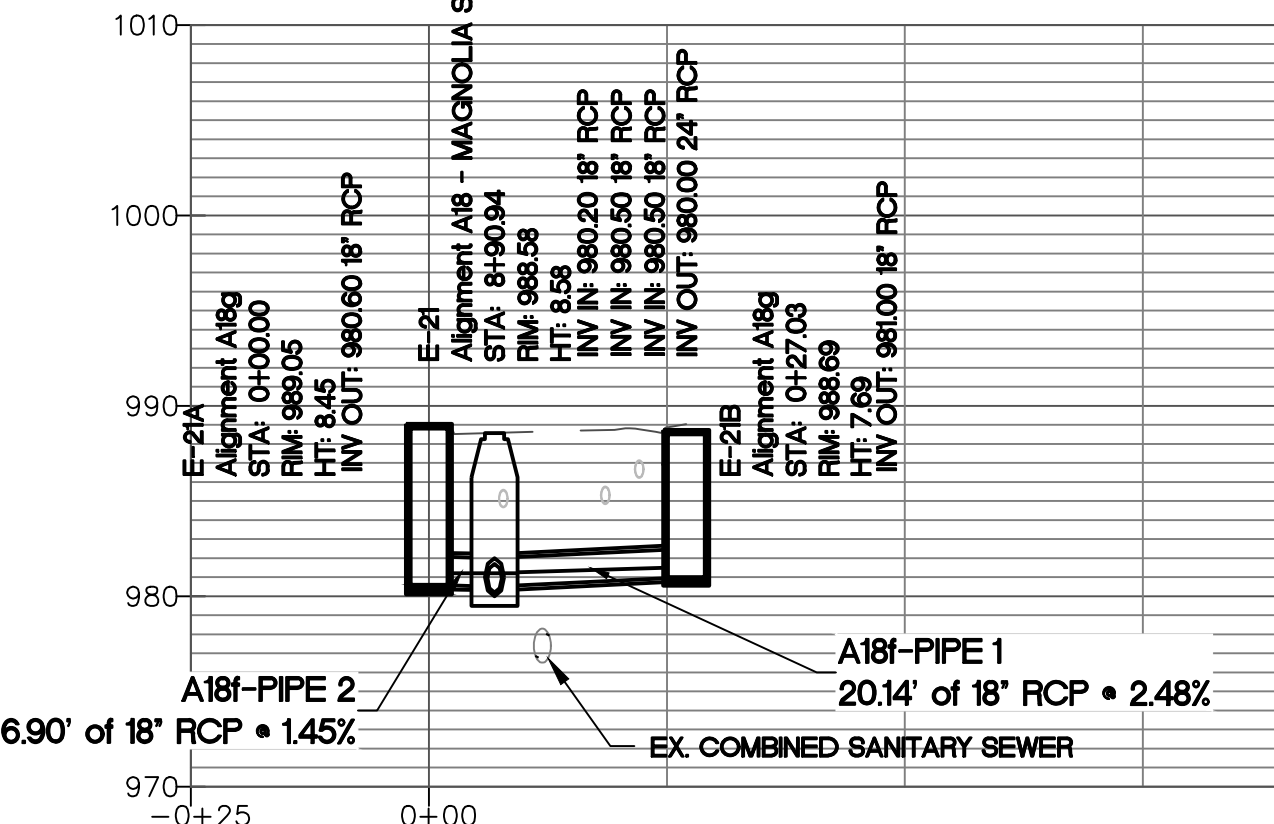
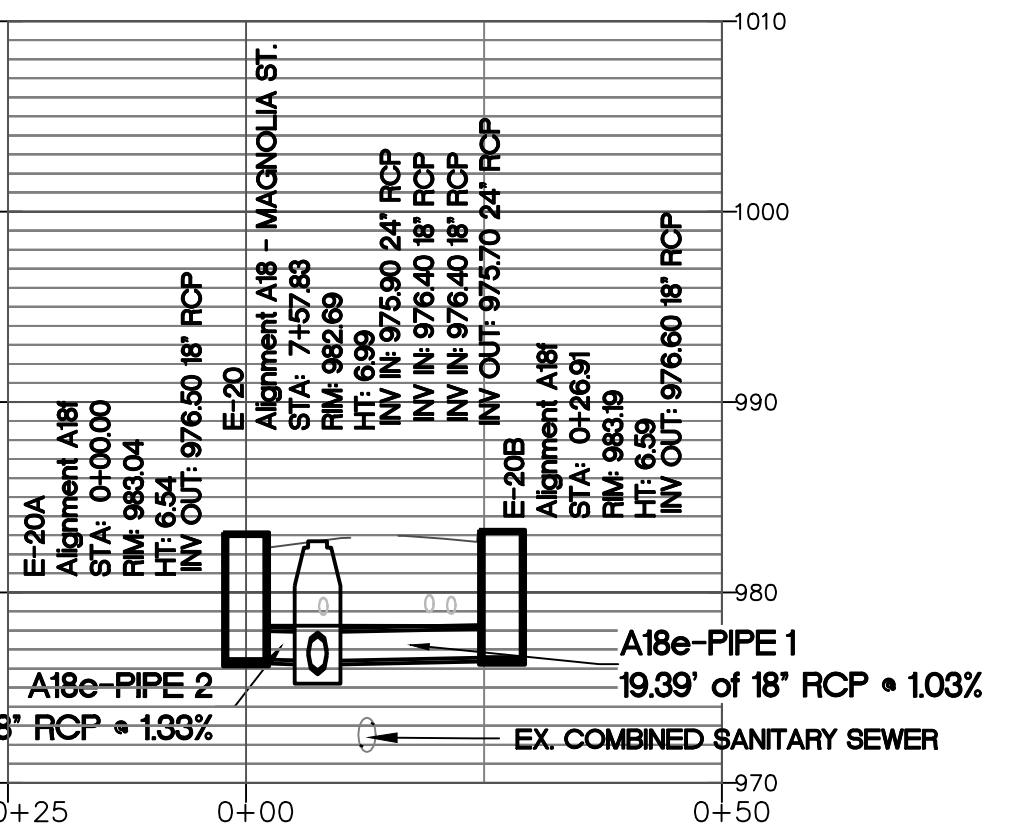
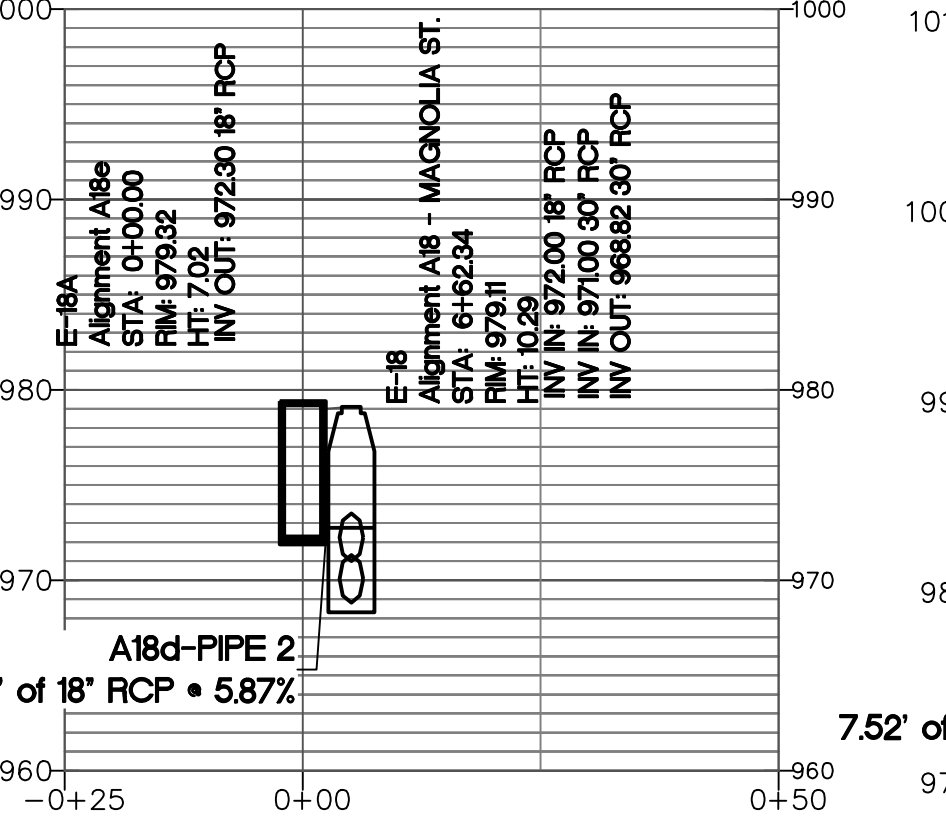
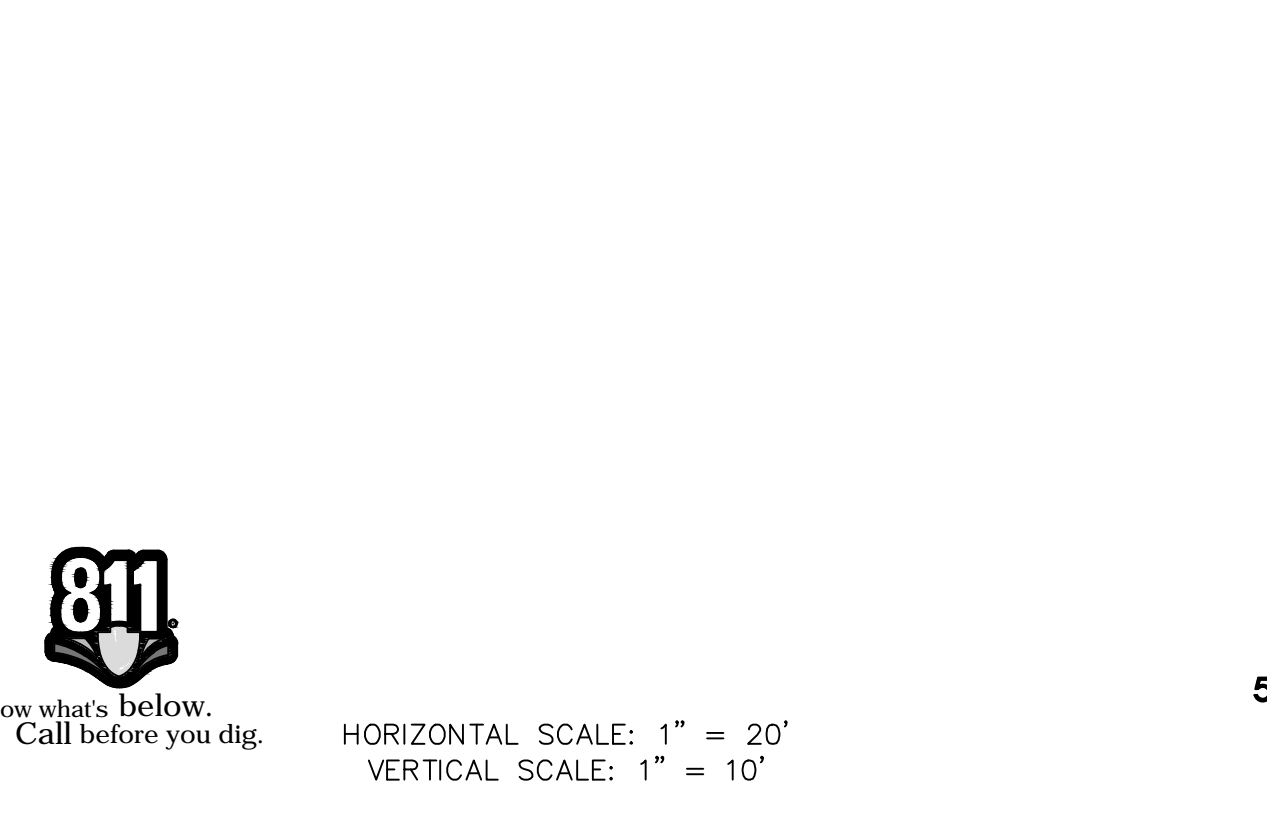
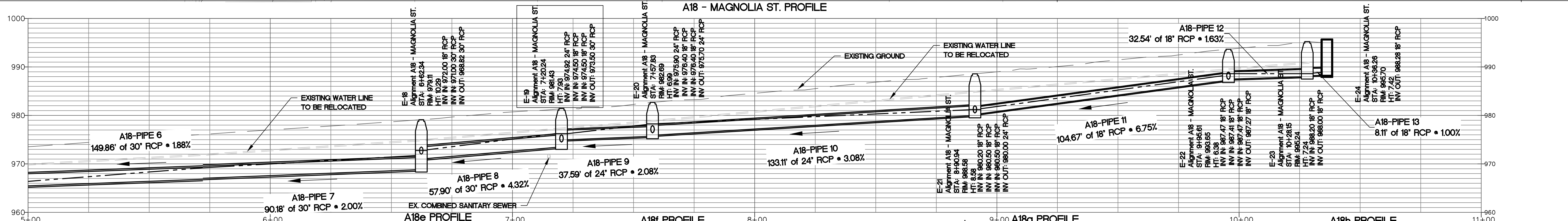
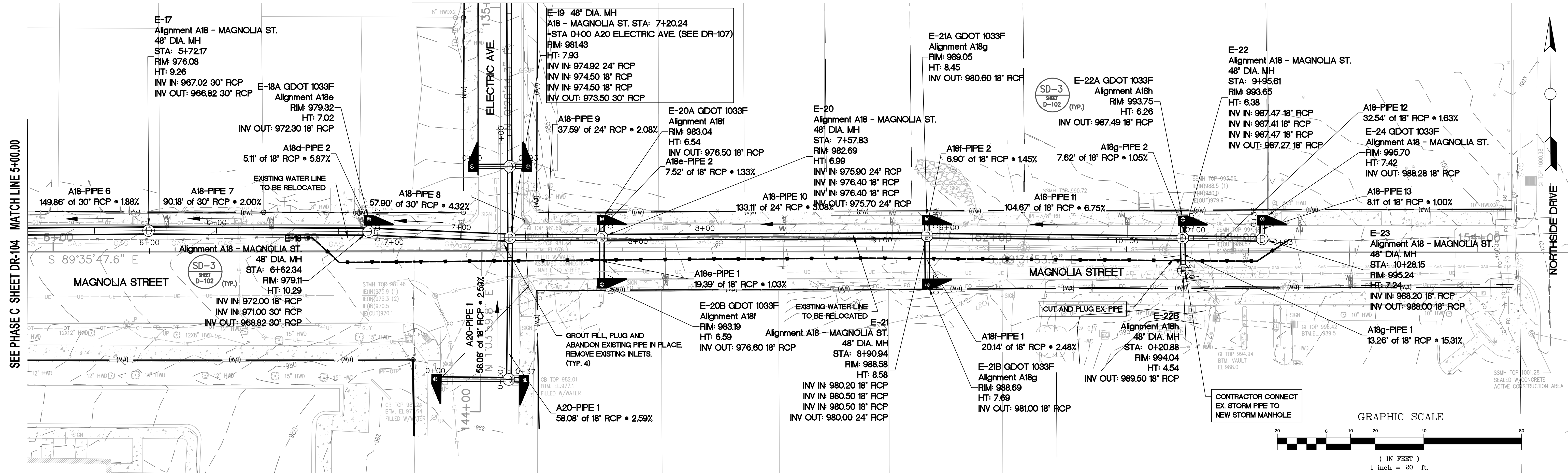
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52	675	111				
112	945					

REVISIONS	REV.	DATE	BY	CHK.	APP.	DESCRIPTION

CITY OF ATLANTA DEPARTMENT OF watershed management
 UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

STORM SEWER PLAN AND PROFILE
 PHASE C - A18
 MAGNOLIA ST.

FILE NAME	PH B DR-100 A1.DWG
BMLLIC PROJECT NUMBER	3089 A/E.T.O. # 19
CLIENT PROJECT NUMBER	
DRAWING NUMBER	DR-104



Know what's below. Call before you dig. HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 10'



PLAT CARDS			REVISIONS					
52	675	111	REV.	DATE	BY	CHK.	APP.	DESCRIPTION
112	945							

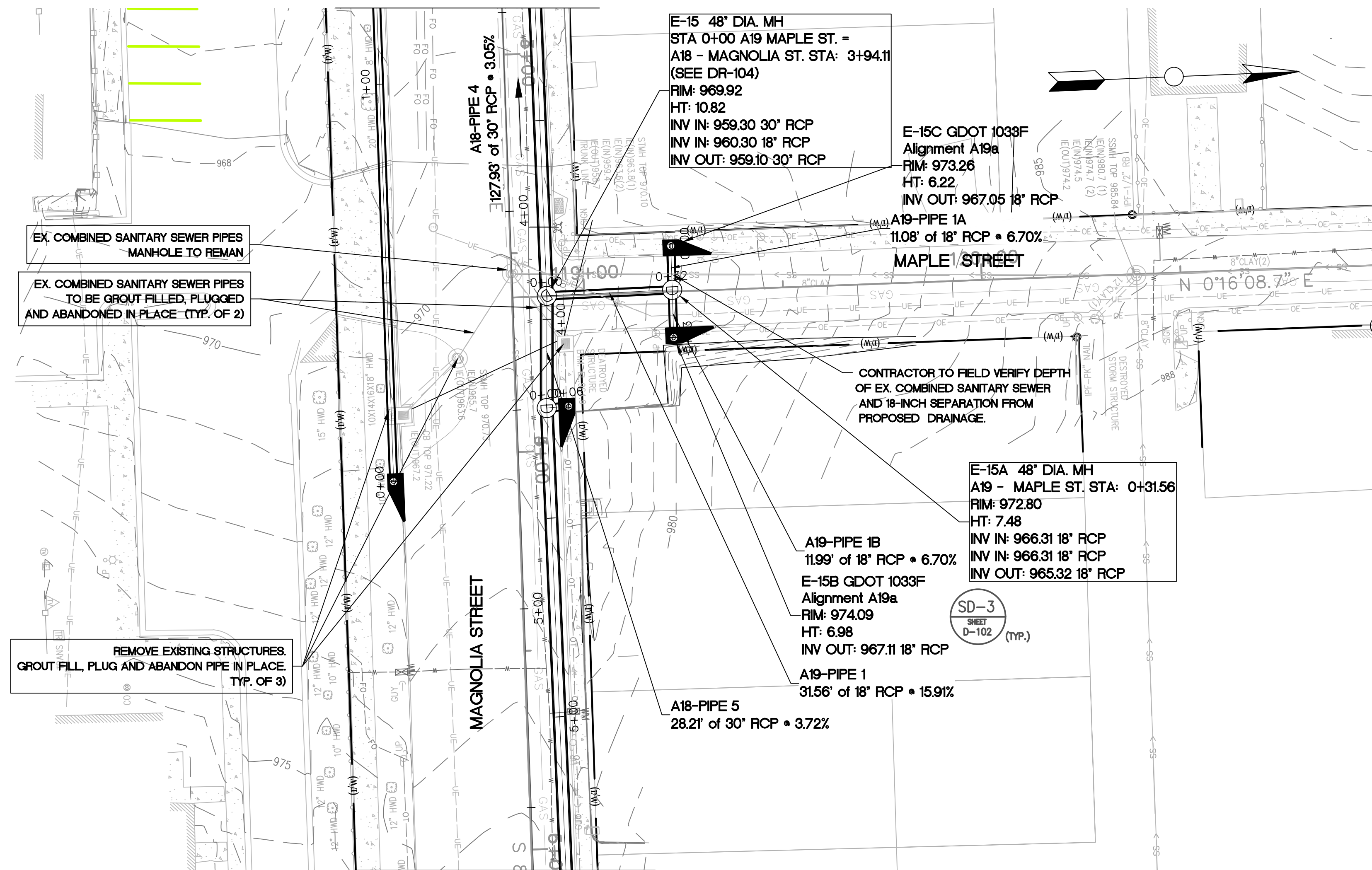


UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

STORM SEWER PLAN AND PROFILE PHASE C - A18 MAGNOLIA ST.

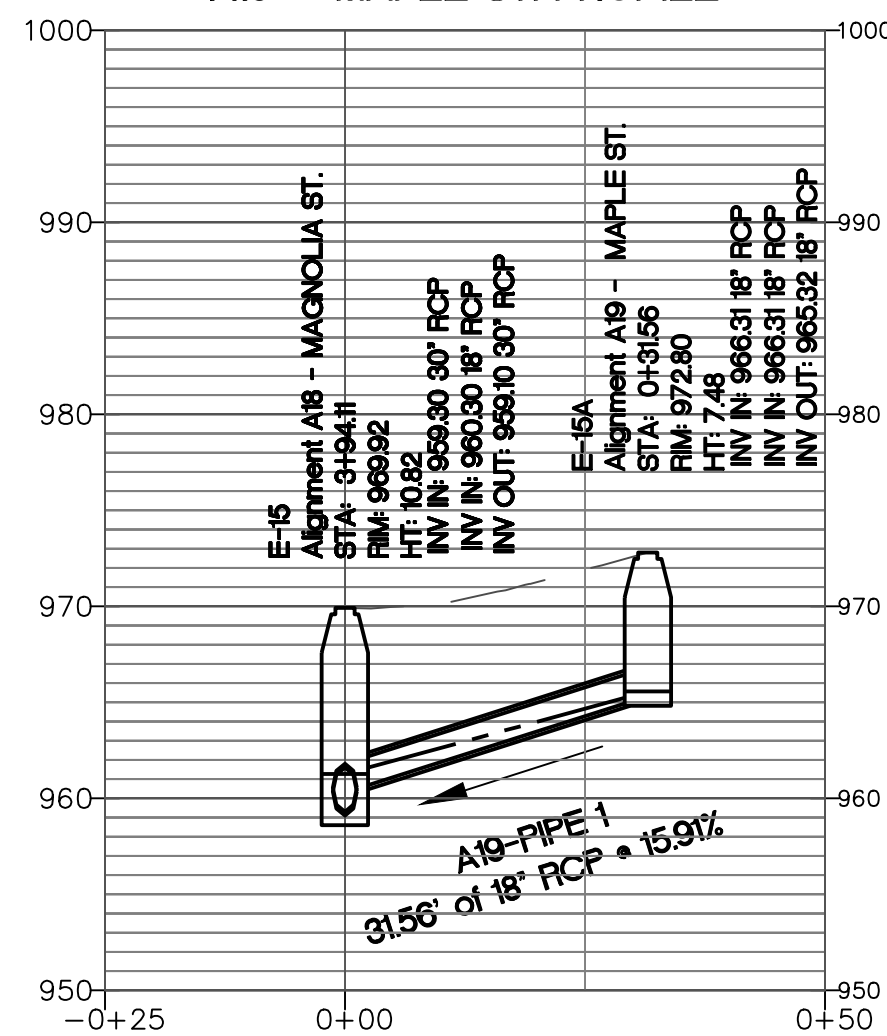
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BMMLC PROJECT NUMBER 3089 A/E.T.O. # 19
CLIENT PROJECT NUMBER
DRAWING NUMBER DR-105

SEE PHASE C SHEET DR-104

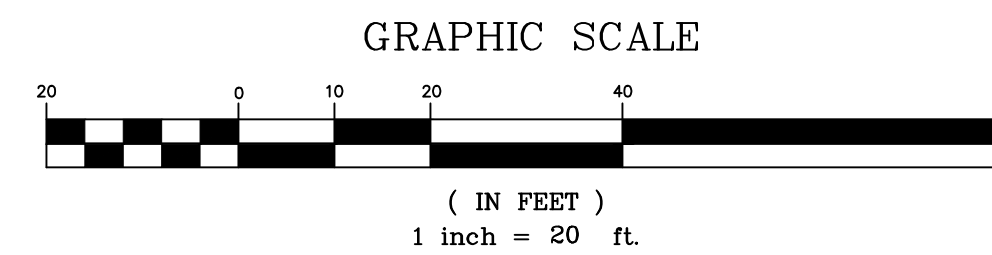
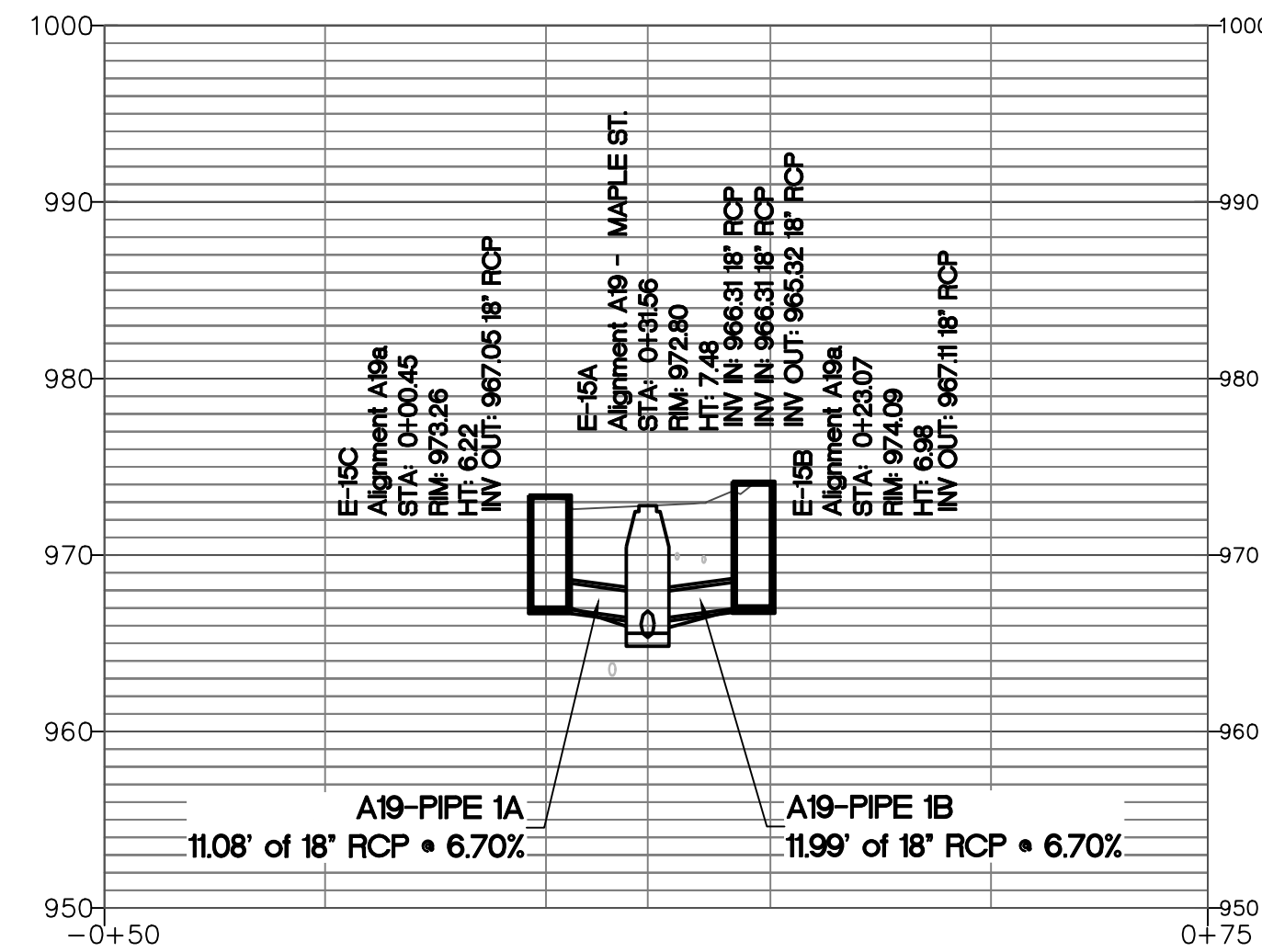


SEE PHASE C SHEET DR-104

A19 - MAPLE ST. PROFILE



A19a PROFILE



HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'



Know what's below.
Call before you dig.



SUBMITTED:	LINE IS 2 INCHES
PROJECT MANAGER	AT FULL SIZE
DATE: 11/15/2019	(IF NOT 2" - SCALE ACCORDINGLY)
DESIGNED BY: TJ	
DRAWN BY: TJ	
CHECKED BY: RC	
APPROVED BY: EA	



PLAT CARDS		
52	675	111
112	945	

REVISIONS						
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

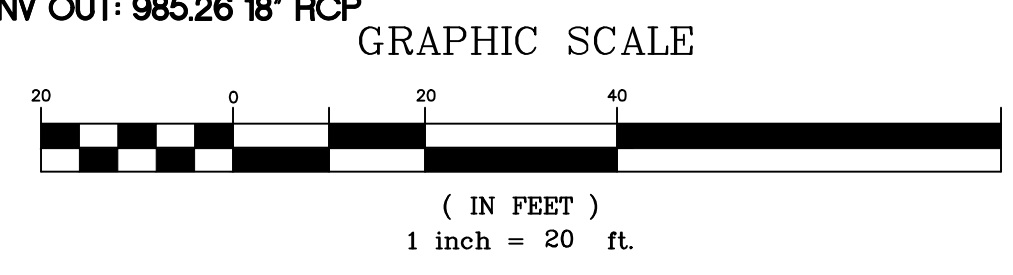
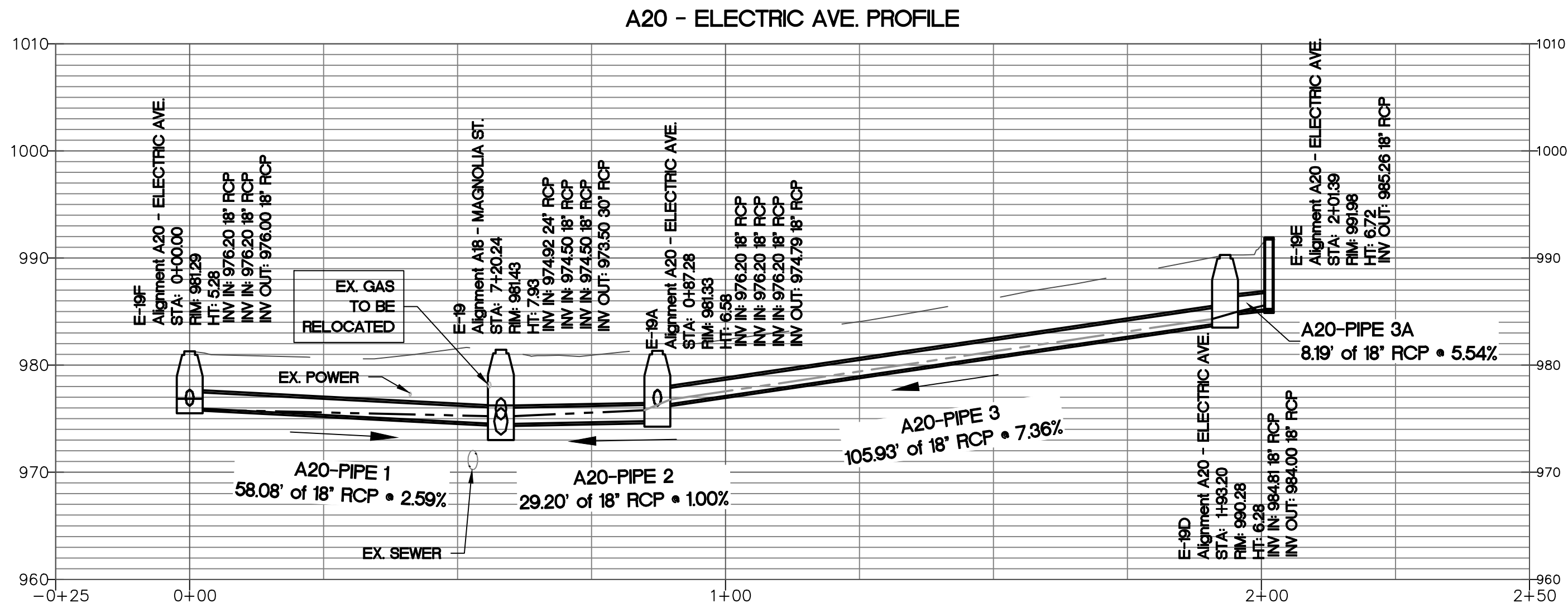
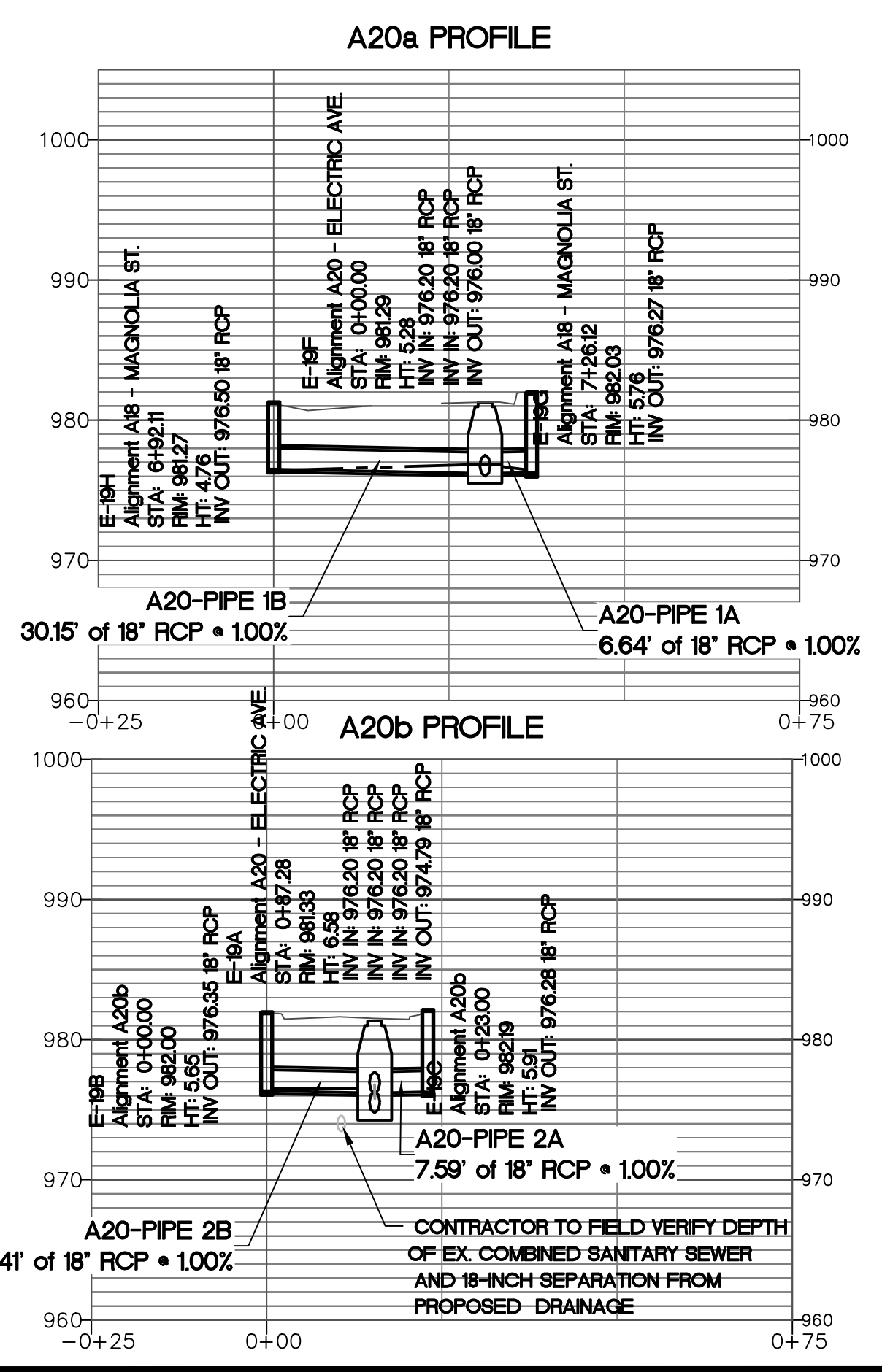
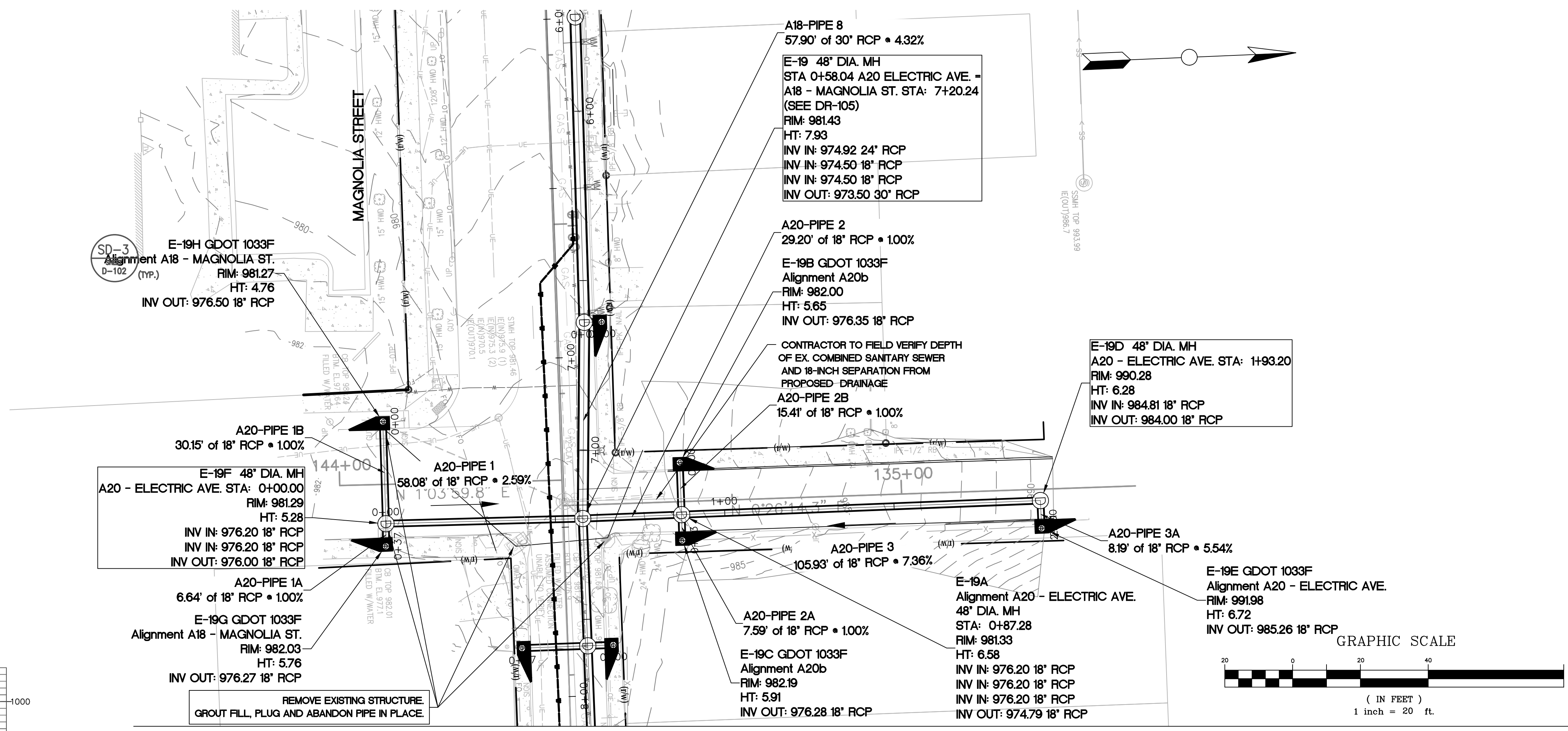


UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS

STORM SEWER PLAN AND PROFILE
PHASE C - A19
MAPLE ST.

FILE NAME	PH B DR-100 AL.DWG
BMMLLC PROJECT NUMBER	3089 A/E.T.O. # 19
CLIENT PROJECT NUMBER	
DRAWING NUMBER	DR-106

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HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

Benchmark Management
BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9856
FAX: (404) 581-0158

SUBMITTED:	LINE IS 2 INCHES
PROJECT MANAGER	AT FULL SIZE
DATE: 11/15/2019	(IF NOT 2" SCALE ACCORDINGLY)
DESIGNED BY: TJ	
DRAWN BY: TJ	
CHECKED BY: RC	
APPROVED BY: EA	



PLAT CARDS		
52	675	111
112	945	

REVISIONS						
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

watershed management
CITY OF ATLANTA DEPARTMENT OF
UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS

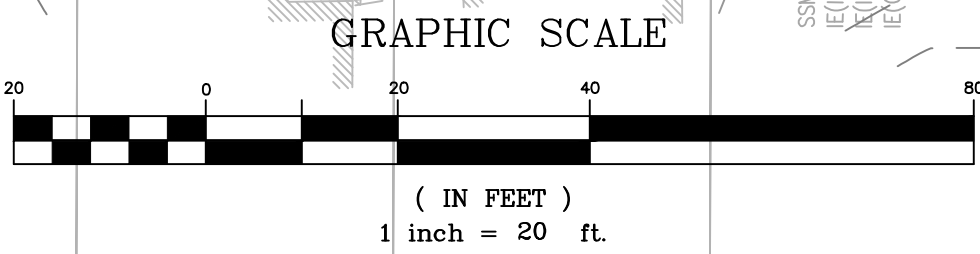
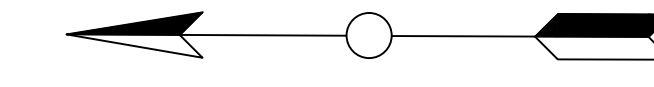
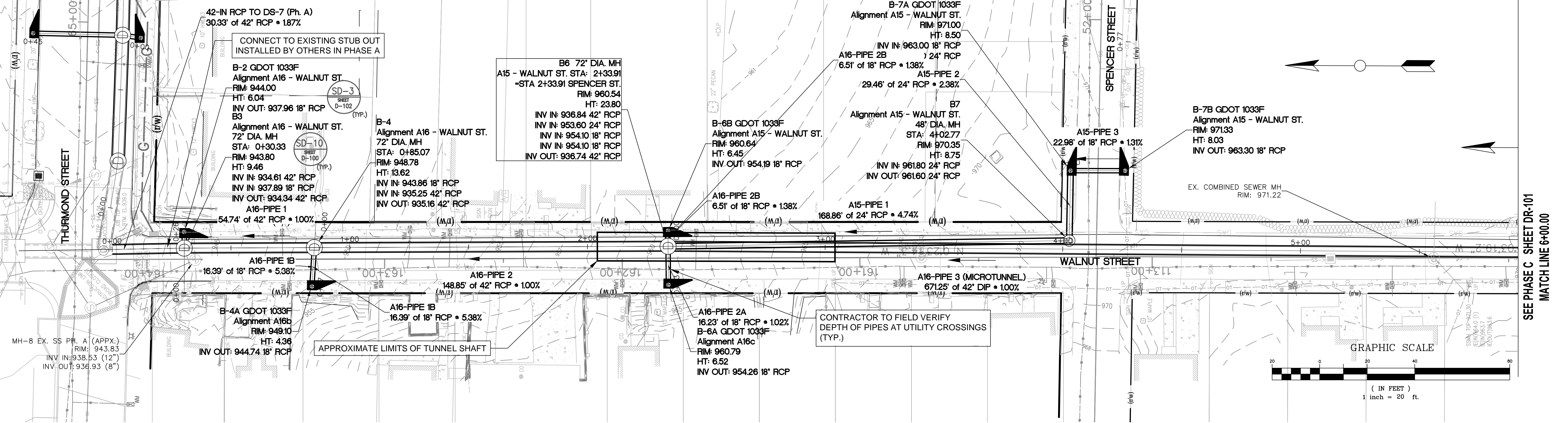
STORM SEWER PLAN AND PROFILE
PHASE C - A20
ELECTRIC AVE.

FILE NAME	PH B DR-100 A1.DWG
BMMLC PROJECT NUMBER	3089 A/E.T.O. # 19
CLIENT PROJECT NUMBER	
DRAWING NUMBER	DR-107

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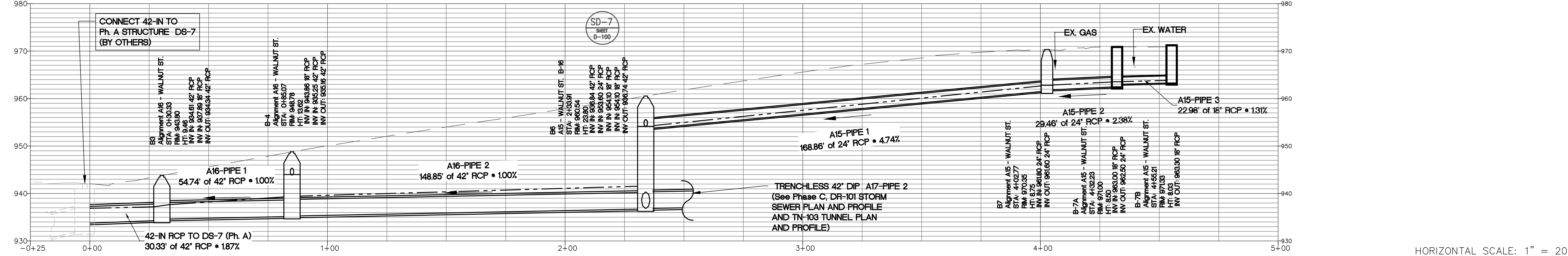
SEE PHASE B SHEET DR-100

SEE PHASE B SHEET DR-105



SEE PHASE C SHEET DR-101
MATCH LINE 6+00.00

A15 - WALNUT ST. PROFILE



HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'



SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" SCALE ACCORDINGLY)
PROJECT MANAGER:	DESIGNED BY: TJ
DATE: 11/15/2019	DRAWN BY: TJ
APPROVED:	CHECKED BY: RC
DATE:	APPROVED BY: EA



PLAT CARDS		
52	675	111
112	945	---

REVISIONS						
NO.	DATE	BY	CHK.	APP.	DESCRIPTION	

UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS

STORM SEWER PLAN AND PROFILE
PHASE C - A15
WALNUT ST.

FILE NAME	PH B DR-100 A1.DWG
BMMLC PROJECT NUMBER	3089 A/E.T.O. # 19
CLIENT PROJECT NUMBER	
DRAWING NUMBER	DR-100

PLOT DATE: 11/15/2019 7:02 PM FILE: C:\USERS\BENCHMARK\DESKTOP\PH B DR-100 A1.DWG SAVED BY: BENCHMARK SAVE DATE: 11/15/2019 4:01 PM

TRENCHLESS NOTES:

1. GEOTECHNICAL INFORMATION IS PROVIDED IN THE PROJECT GEOTECHNICAL REPORTS, PREPARED BY MC2, DATED JANUARY 2019 (WALNUT ST.) AND NOVEMBER 2018 (THURMOND ST.)
2. BORING LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE. SEE BORING LOGS FOR EXACT LOCATIONS.
3. STRATIFICATION BOUNDARIES SHOWN IN THE BORING LOGS AND THE PLAN SHEETS ARE APPROXIMATE AND SHOULD BE EXPECTED TO OCCUR GRADUALLY, AND TO VARY BETWEEN BORINGS. THE CONTRACTOR SHALL MAKE THEIR OWN INTERPRETATION OF THE INFORMATION PRESENTED IN THE BORING LOGS FOR THEIR USE IN DEVELOPING THEIR MEANS-AND-METHODS AND THE DESIGN OF ANY TEMPORARY STRUCTURES, APPURTENANCES, AND SUPPORTING WORKS.
4. CONTRACTOR SHALL USE EQUIPMENT AND TOOLING CAPABLE OF HANDLING ALL ANTICIPATED MATERIALS ALONG THE ALIGNMENT, INCLUDING THOSE ENCOUNTERED WHERE TRENCHLESS METHODS WILL BE UTILIZED. POTENTIAL TRENCHLESS METHODS INCLUDE, BUT ARE NOT LIMITED TO, MICROTUNNELING WITH A ROCK TUNNEL BORING MACHINE (TBM), AND MECHANICAL MINING WITH RIBS, LAGGING AND LINER PLATES.
5. THE TRENCHLESS OPERATIONS SHALL BE PERFORMED ONLY IN AREAS THAT HAVE AT LEAST 3 FEET OF ROCK COVER OVER THE TOP OF THE CASING PIPE AND WHERE NO MIXED-FACE CONDITIONS EXIST. THE TRENCHLESS OPERATIONS SHALL BE PERFORMED ONLY IN ROCK.
6. ACTUAL LIMITS OF TRENCHLESS OPERATIONS TO BE DETERMINED BY CONTRACTOR, AND SHALL CONSIDER THE DEPTH OF CUT REQUIRED OUTSIDE OF THE TRENCHLESS LIMITS, THE ACTUAL GROUND CONDITIONS ENCOUNTERED, THE TYPE AND QUALITY OF ROCK, THE ROCK AND SOIL COVER, AND THE CHOSEN INSTALLATION METHOD.
7. IF THE TRENCHLESS METHOD SELECTED LEAVES AN ANNULAR SPACE BETWEEN THE EXCAVATION AND THE SUPPORTING CASING/PIPE/LINER, IT SHALL BE FILLED WITH A CEMENT GROUT.
8. CONTRACTOR TO DESIGN ALL SHEETING, SHORING, TRENCHES AND SUPPORT-OF-EXCAVATION TO ACCOMMODATE CHOSEN EQUIPMENT AND THE ACTUAL SUBSURFACE CONDITIONS ENCOUNTERED.
9. CONTRACTOR TO DETERMINE ACTUAL SIZE AND THICKNESS OF STEEL CASING BASED ON THE CHOSEN MEANS AND METHODS. CASING SHOWN IN THE DRAWINGS IS TYPICAL AND IS CONSIDERED MINIMUM FOR THE FINAL DESIGN PURPOSES.
10. CONVENTIONAL LAUNCHING AND RECEIVING PTS ARE SHOWN ON THE DRAWINGS. HOWEVER, CONTRACTOR TO DETERMINE ACTUAL LOCATIONS AND TYPE OF LAUNCHING AND RECEIVING PTS. CONTRACTOR MAY, AT THEIR DISCRETION, OPEN CUT TOWARDS THE TRENCHLESS LIMITS AND BEGIN AND END TRENCHING WHERE IT IS DETERMINED MOST APPROPRIATE AND ECONOMICAL TO BEGIN TRENCHLESS OPERATIONS.
11. NO BORABILITY OR TBM PERFORMANCE TESTING HAS BEEN DONE ON THE ROCK SAMPLES OBTAINED. HOWEVER, THEY HAVE BEEN KEPT AND ARE AVAILABLE FOR TESTING BY THE CONTRACTOR, IF DEEMED NECESSARY OR DESIRED. IF FURTHER TESTING IS DESIRED, THE SAMPLES CAN BE OBTAINED BY REQUESTING THEM FROM THE CITY OF ATLANTA AFTER PROJECT AWARD.

INSTRUMENTATION NOTES:

1. SETTLEMENT MONITORING SHALL BE PERFORMED AS DETAILED IN SPECIFICATION, SECTION 02449 - MICROTUNNELING CONSTRUCTION.
2. ADDITIONAL INSTRUMENTATION MAY BE REQUIRED BASED ON THE CONTRACTORS CHOSEN MEANS AND METHODS AND DEPTHS OF CUT ALONG THE ALIGNMENT. CONTRACTOR TO INSTALL AND FURNISH ADDITIONAL INSTRUMENTATION AS NECESSARY FOR THE CONFIRMATION OF STRUCTURE/FACILITY PRESERVATION.
3. VIBRATION MONITORING TO BE PERFORMED BY THE CONTRACTOR ON ALL AFFECTED STRUCTURES AND UTILITIES DURING CONSTRUCTION OPERATIONS THAT PRODUCE VIBRATIONS. THIS INCLUDES ACTIVITIES SUCH AS DRIVING SHEET PILES, ROCK EXCAVATION, BLASTING, AND TUNNELING AMONG OTHERS.
4. SETTLEMENT MONITORING TO BE PERFORMED FOR DURATION OF TRENCHLESS OPERATIONS. READINGS SHALL BE OBTAINED IN AFFECTED AREAS AT LEAST TWICE DAILY. BASELINE READINGS SHALL BE OBTAINED PRIOR TO BEGINNING ANY TRENCHLESS OPERATION AND READINGS SHALL CONTINUE UNTIL ALL TRENCHLESS AND BACKFILL OPERATIONS HAVE BEEN COMPLETED.

SUBSURFACE DATA TABLE:

ALIGNMENT	BORING	TOP OF BOREHOLE EL.	AUGER REFUSAL EL.	BOTTOM OF BOREHOLE EL.
WALNUT ST.	B-01	952	939	926
WALNUT ST.	B-02	972	960	932
WALNUT ST.	B-03	968	955	937
THURMOND ST.	B-01	951	n/a	931
THURMOND ST.	B-02	962	942	932
THURMOND ST.	B-03	968	963	938
THURMOND ST.	B-04	965	954	945
THURMOND ST.	B-05	959	951	939

FILE: J:\PROJECTS\REFLECTOR TUNNEL DESIGN\WSP\NOTES SHEET.DWG, SAVER BY: GRIFFIN, DATE: 5/28/2019, 12:08 PM

Benchmark Management
 100 PEACHTREE STREET
 SUITE 1900
 ATLANTA, GA 30303
 TEL: (404) 581-9656
 FAX: (404) 581-0159

SUBMITTED: _____
 PROJECT NUMBER: _____
 DATE: 5/28/2019

DESIGNED BY: IC
 DRAWN BY: BRG
 CHECKED BY: MS
 APPROVED BY: EA

APPROVED: _____
 DATE: _____



PLAT CARDS

##	##	##
##	##	##
##	##	##
##	##	##
##	##	##

REVISIONS

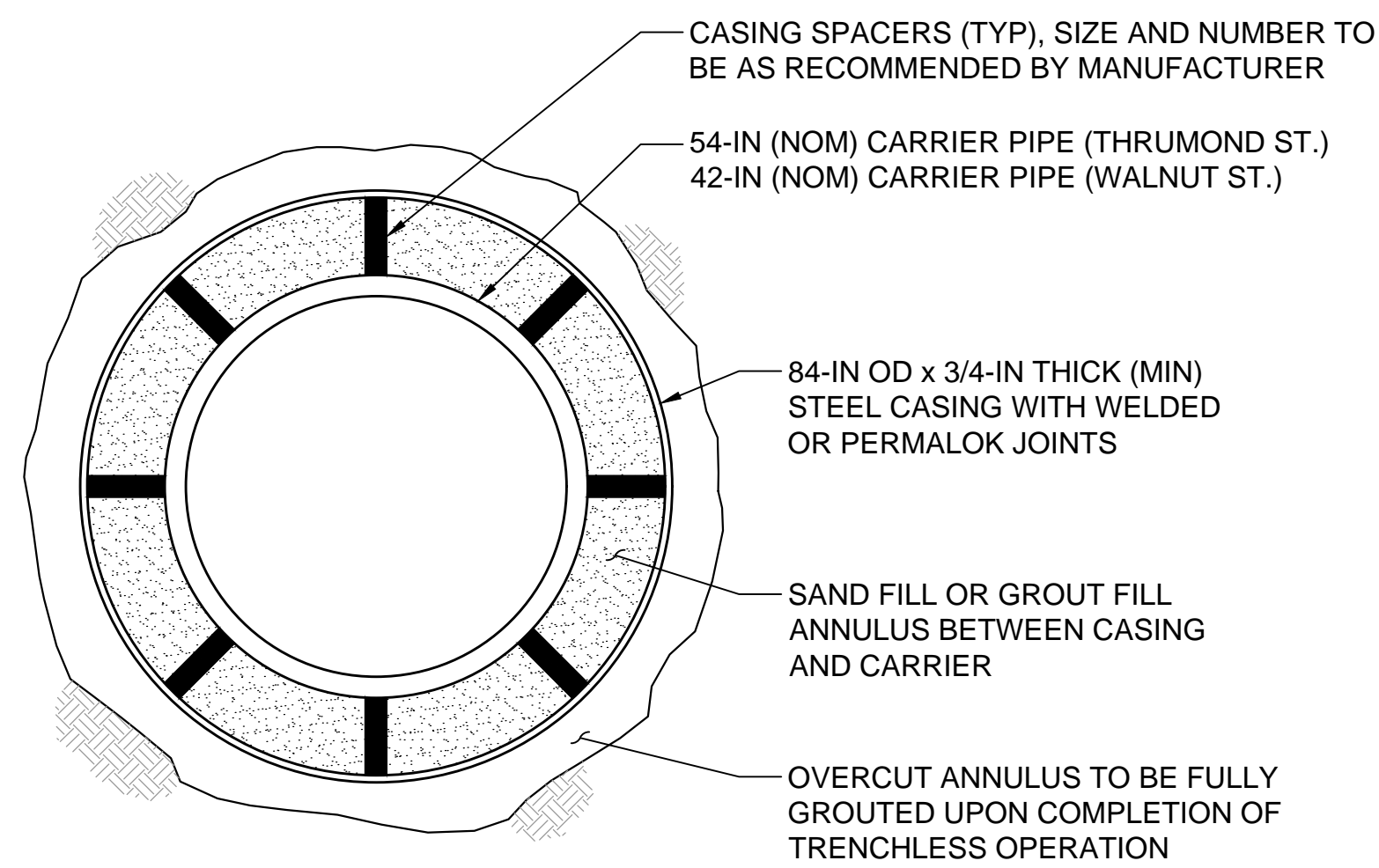
REV.	DATE	BY	CHK.	APP.	DESCRIPTION

CITY OF ATLANTA DEPARTMENT OF watershed management

**UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
 IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS**

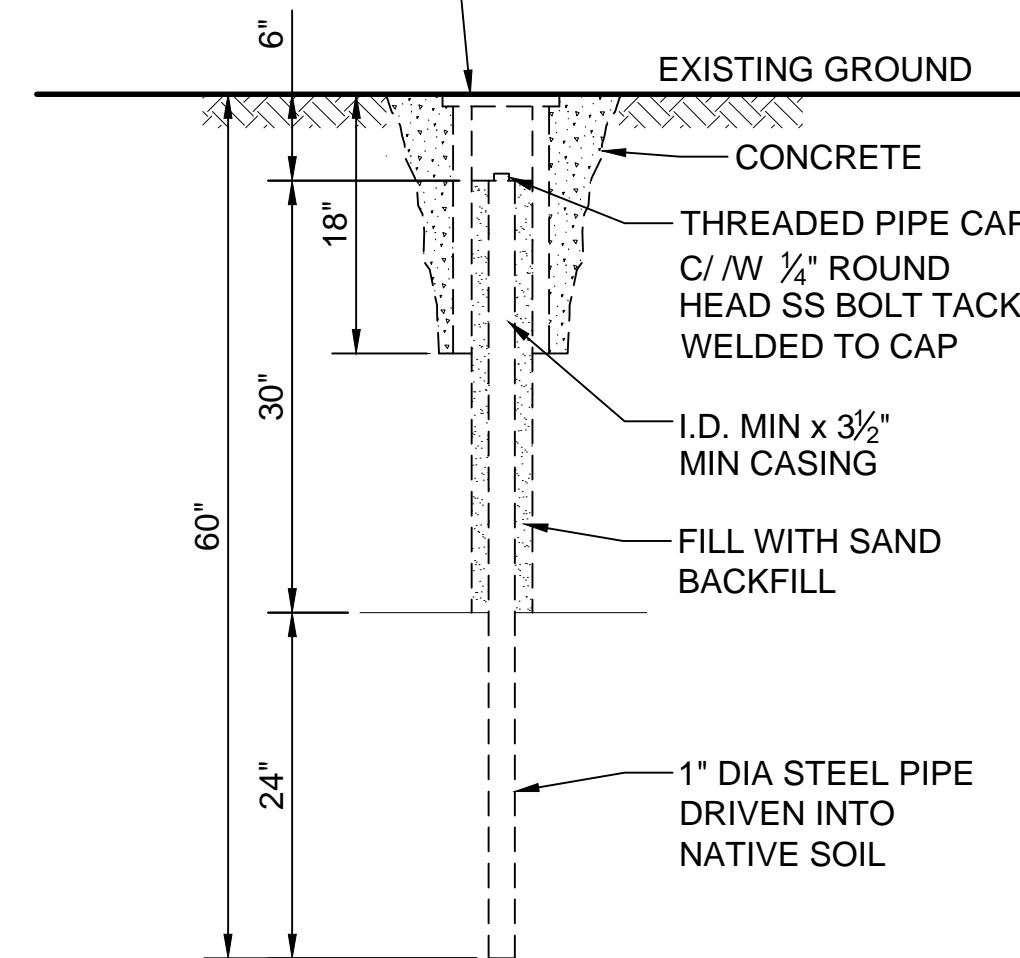
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BMMLLC PROJECT NUMBER *****
CLIENT PROJECT NUMBER *****
DRAWING NUMBER TN-100

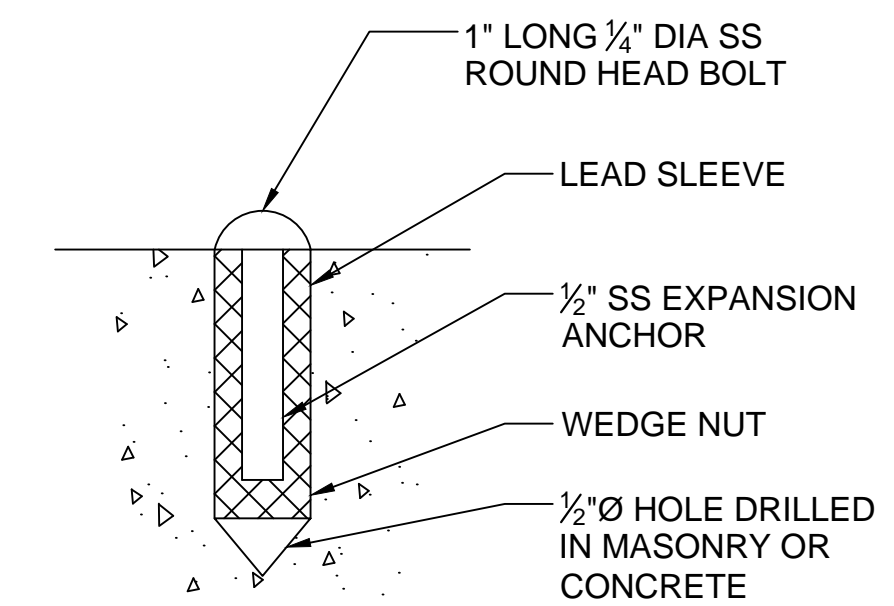


TYPICAL TRENCHLESS CROSS SECTION
SCALE: NTS

LOCKING COVER FLUSH MOUNT AND BACKFILL WITH CONCRETE. FOR UNPAVED AREAS INSTALL 8" I.D. MIN SCHEDULE 40 PVC WITH REMOVABLE CAP



SURFACE MONITORING POINT (FOR UNPAVED AREA)
SCALE: NTS



SURFACE SETTLEMENT POINT (CONCRETE PAVEMENT)
SCALE: NTS

FILE: U:\PROJECTS\CREEKFOR TUNNEL DESIGN\WSP-TRENCHLESS DETAILS.DWG, SAVED BY: GIBREIN, SAVE DATE: 5/13/2019 11:40 AM

Benchmark Management™
wsp

BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0159

SUBMITTED: _____
PROJECT MANAGER: _____
DATE: 5/28/2019

DESIGNED BY: IC

DRAWN BY: BRG

CHECKED BY: MS

APPROVED BY: EA



PLAT CARDS

###	###	###
###	###	###
###	###	###
###	###	###

REVISIONS

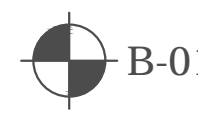
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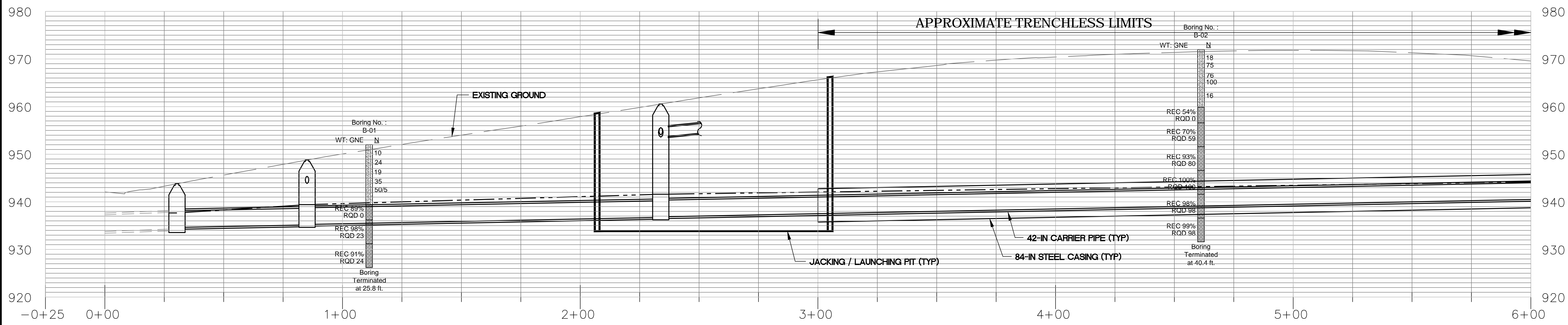
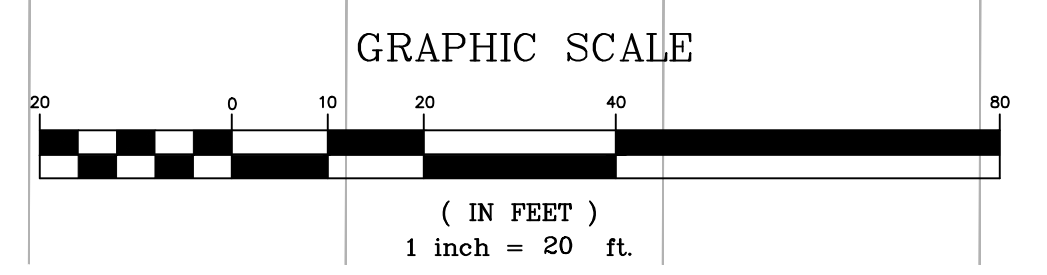
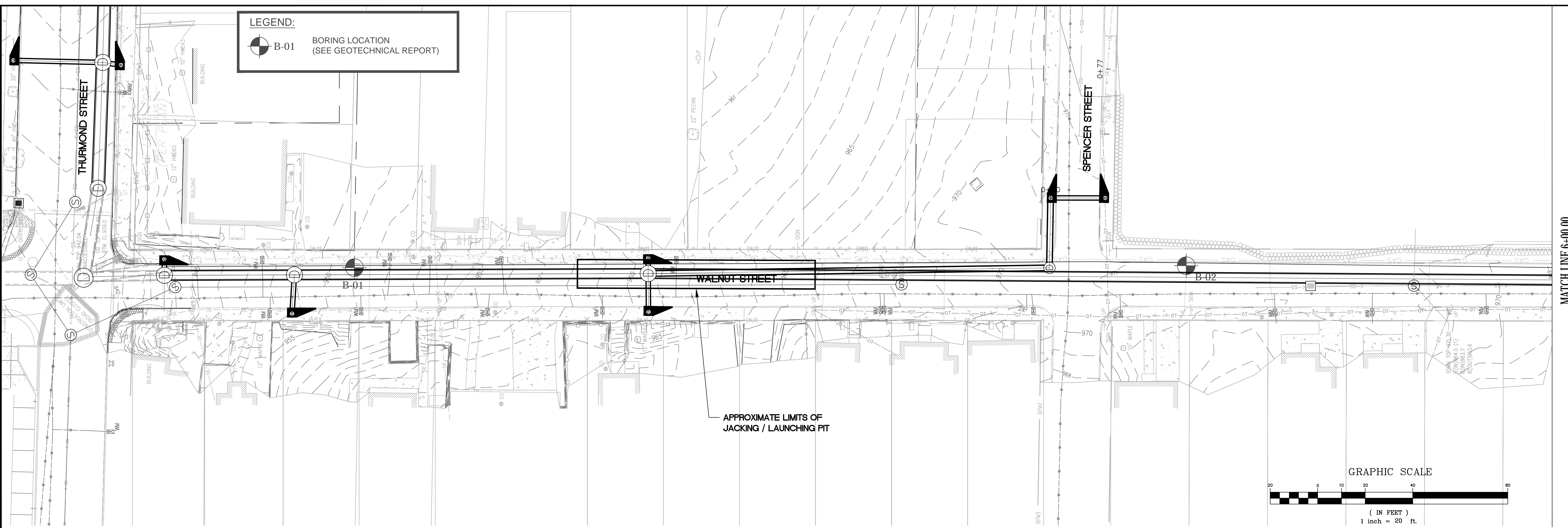
CITY OF ATLANTA DEPARTMENT OF watershed management

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

TRENCHLESS DETAILS

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CLIENT PROJECT NUMBER: *****
DRAWING NUMBER: TN-101

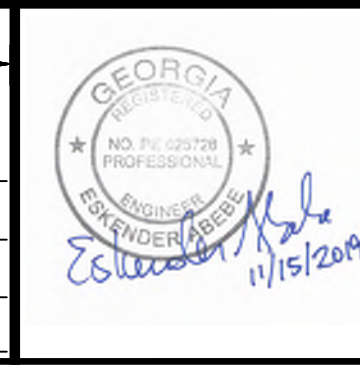
LEGEND:
 B-01 BORING LOCATION
 (SEE GEOTECHNICAL REPORT)



HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 10'

Benchmark Management
 BENCHMARK MANAGEMENT LLC
 100 PEACHTREE STREET
 SUITE 1900
 ATLANTA, GA 30303
 TEL: (404) 581-9656
 FAX: (404) 581-9158

SUBMITTED: PROJECT MANAGER
 DATE: 10/1/2019
 DESIGNED BY: TJ/IC
 DRAWN BY: TJ/BRG
 CHECKED BY: MS
 APPROVED BY: EA



PLAT CARDS

52	675	111
112	945	

REVISIONS

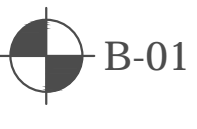
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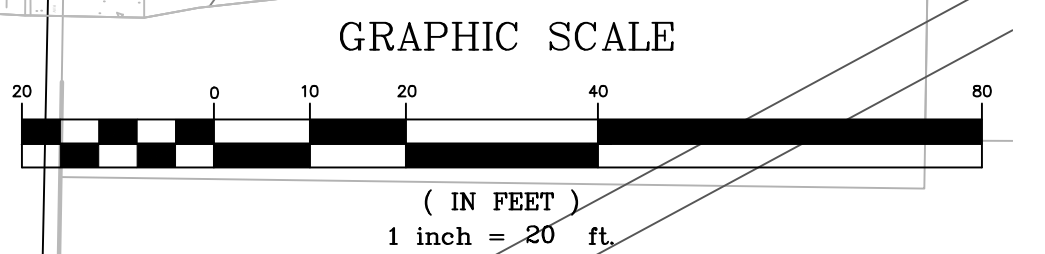
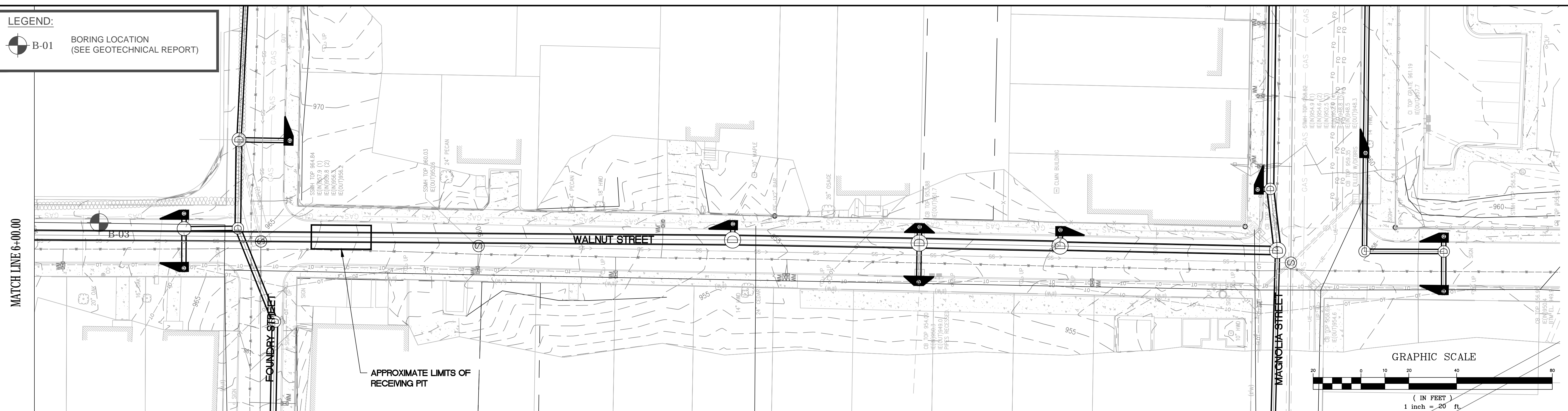
CITY OF ATLANTA DEPARTMENT OF watershed management
 UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

**STORM SEWER PLAN AND PROFILE
 PHASE C - A17
 WALNUT ST.**

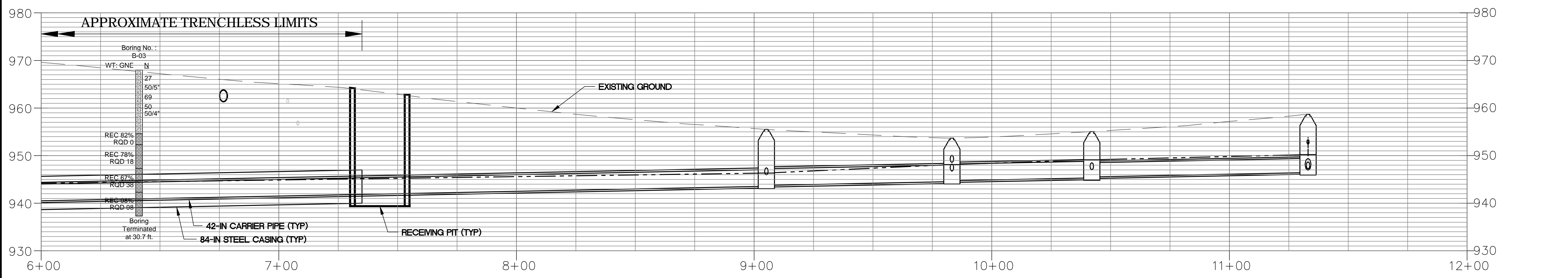
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 BMMMLC PROJECT NUMBER
 3089 A/E.T.O. # 19
 CLIENT PROJECT NUMBER
 FC-7383F
 DRAWING NUMBER
 TN-102

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LEGEND:
 B-01 BORING LOCATION
 (SEE GEOTECHNICAL REPORT)



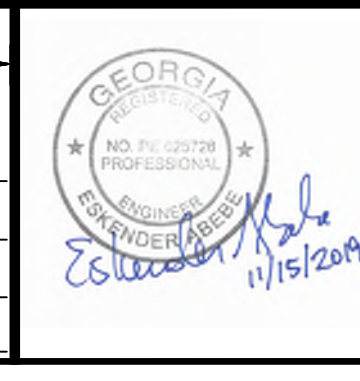
A16 - WALNUT ST. PROFILE



HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 10'

Benchmark Management
 BENCHMARK MANAGEMENT LLC
 100 PEACHTREE STREET
 SUITE 1900
 ATLANTA, GA 30303
 TEL: (404) 581-9656
 FAX: (404) 581-0158

SUBMITTED: _____
 PROJECT MANAGER
 DATE: 10/1/2019
 DESIGNED BY: TJ/IC
 DRAWN BY: TJ/BRG
 CHECKED BY: MS
 APPROVED BY: EA



PLAT CARDS

52	675	111
112	945	

REVISIONS

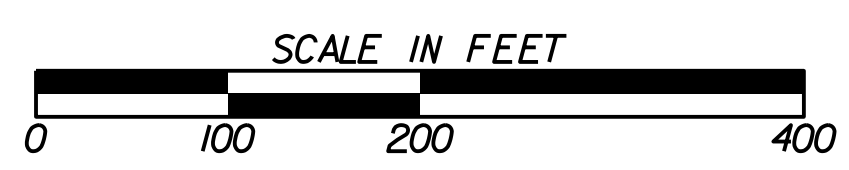
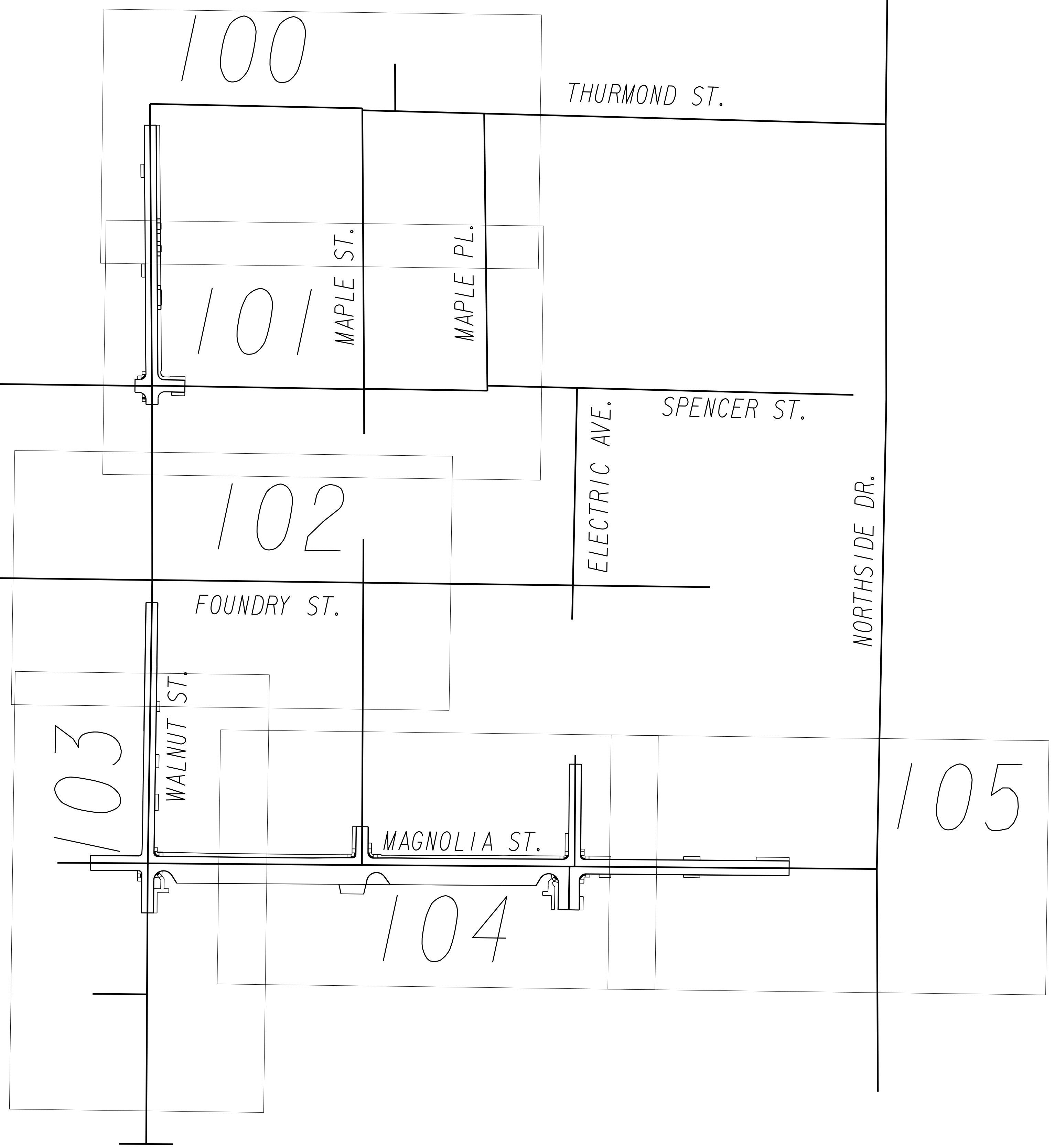
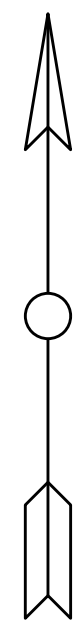
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CITY OF ATLANTA DEPARTMENT OF watershed management
 UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

**STORM SEWER PLAN AND PROFILE
 PHASE C - A17
 WALNUT ST.**

FILE NAME
 WSP-UPC MIRCOTUNNEL-SHEETS.DWG
 BMM LLC PROJECT NUMBER
 3089 A/E.T.O. # 19
 CLIENT PROJECT NUMBER
 FC-7383F
 DRAWING NUMBER
 TN-103

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SUBMITTED: _____
 PROJECT MANAGER: _____
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
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 APPROVED BY: _____
 DATE: _____



PLAT CARDS

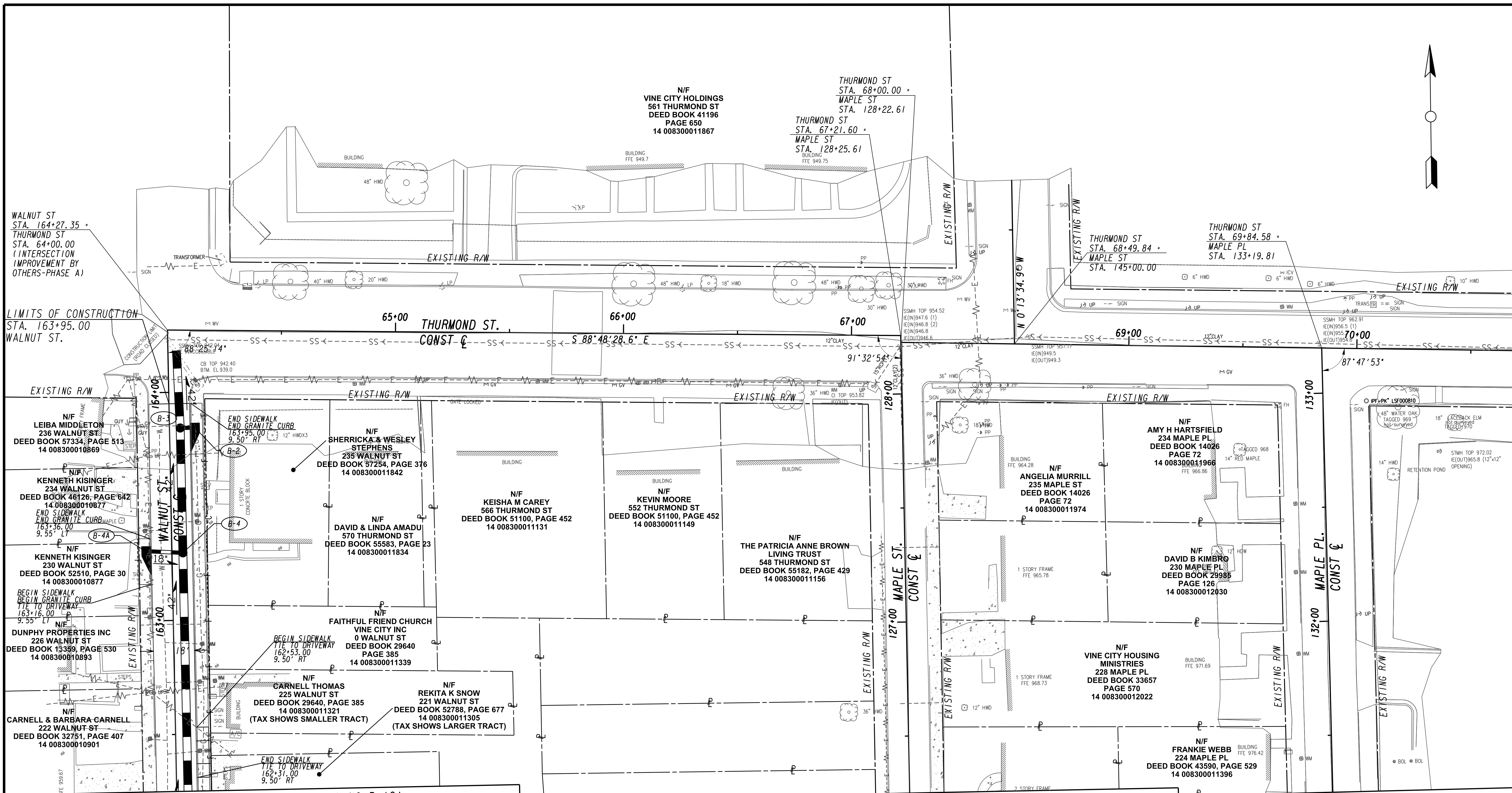
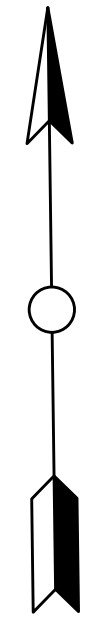
REVISIONS

REV.	DATE	BY	CHK.	APP.	DESCRIPTION

**UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY**

ROADWAY KEY MAP

FILE NAME: 7383112-
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **RK-100**



WALNUT ST
STA. 164+27.35 +
THURMOND ST
STA. 64+00.00
(INTERSECTION
IMPROVEMENT BY
OTHERS-PHASE A)

LIMITS OF CONSTRUCTION
STA. 163+95.00
WALNUT ST.

N/F
VINE CITY HOLDINGS
561 THURMOND ST
DEED BOOK 41196
PAGE 650
14 008300011867

THURMOND ST
STA. 68+00.00 +
MAPLE ST
STA. 128+22.61

THURMOND ST
STA. 67+21.60 +
MAPLE ST
STA. 128+25.61

THURMOND ST
STA. 68+49.84 +
MAPLE ST
STA. 145+00.00

THURMOND ST
STA. 69+84.58 +
MAPLE PL
STA. 133+19.81

N/F
LEIBA MIDDLETON
236 WALNUT ST
DEED BOOK 57334, PAGE 513
14 008300010869

N/F
KENNETH KISINGER
234 WALNUT ST
DEED BOOK 46126, PAGE 642
14 008300010877

N/F
KENNETH KISINGER
230 WALNUT ST
DEED BOOK 52510, PAGE 30
14 008300010877

N/F
DUNPHY PROPERTIES INC
226 WALNUT ST
DEED BOOK 13369, PAGE 530
14 008300010893

N/F
CARNELL & BARBARA CARNELL
222 WALNUT ST
DEED BOOK 32751, PAGE 407
14 008300010901

N/F
CARNELL THOMAS
225 WALNUT ST
DEED BOOK 29640, PAGE 385
14 008300011321

N/F
REKITA K SNOW
221 WALNUT ST
DEED BOOK 52788, PAGE 677
14 008300011305

N/F
SHERRICKA & WESLEY STEPHENS
235 WALNUT ST
DEED BOOK 57254, PAGE 376
14 008300011842

N/F
DAVID & LINDA AMADU
570 THURMOND ST
DEED BOOK 55583, PAGE 23
14 008300011834

N/F
FAITHFUL FRIEND CHURCH
VINE CITY INC
0 WALNUT ST
DEED BOOK 29640
PAGE 385
14 008300011339

N/F
CARNELL THOMAS
225 WALNUT ST
DEED BOOK 29640, PAGE 385
14 008300011321
(TAX SHOWS SMALLER TRACT)

N/F
REKITA K SNOW
221 WALNUT ST
DEED BOOK 52788, PAGE 677
14 008300011305
(TAX SHOWS LARGER TRACT)

N/F
KEISHA M CAREY
566 THURMOND ST
DEED BOOK 51100, PAGE 452
14 008300011131

N/F
KEVIN MOORE
552 THURMOND ST
DEED BOOK 51100, PAGE 452
14 008300011149

N/F
THE PATRICIA ANNE BROWN
LIVING TRUST
548 THURMOND ST
DEED BOOK 55182, PAGE 429
14 008300011156

N/F
ANGELIA MURRILL
235 MAPLE ST
DEED BOOK 14026
PAGE 72
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N/F
DAVID B KIMBRO
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DEED BOOK 29985
PAGE 126
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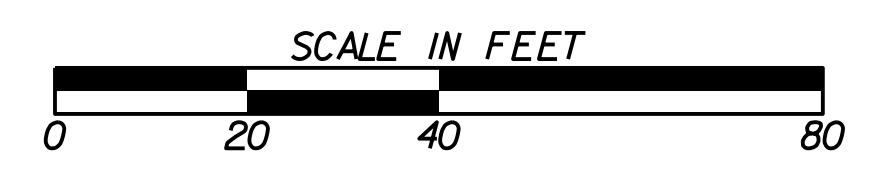
N/F
VINE CITY HOUSING
MINISTRIES
228 MAPLE PL
DEED BOOK 33657
PAGE 570
14 008300012022

N/F
FRANKIE WEBB
224 MAPLE PL
DEED BOOK 43590, PAGE 529
14 008300011396

MATCH LINE STA 162+75 (WALNUT ST.) SEE DRAWING R-101

MATCH LINE STA 126+75 (MAPLE ST.) SEE DRAWING R-101



MATCH LINE STA 131+75 (MAPLE PL.) SEE DRAWING R-101



SUBMITTED: _____
PROJECT MANAGER
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
APPROVED BY: _____
DATE: _____



PLAT CARDS		REVISIONS			
REV.	DATE	BY	CHK.	APP.	DESCRIPTION

 
UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS

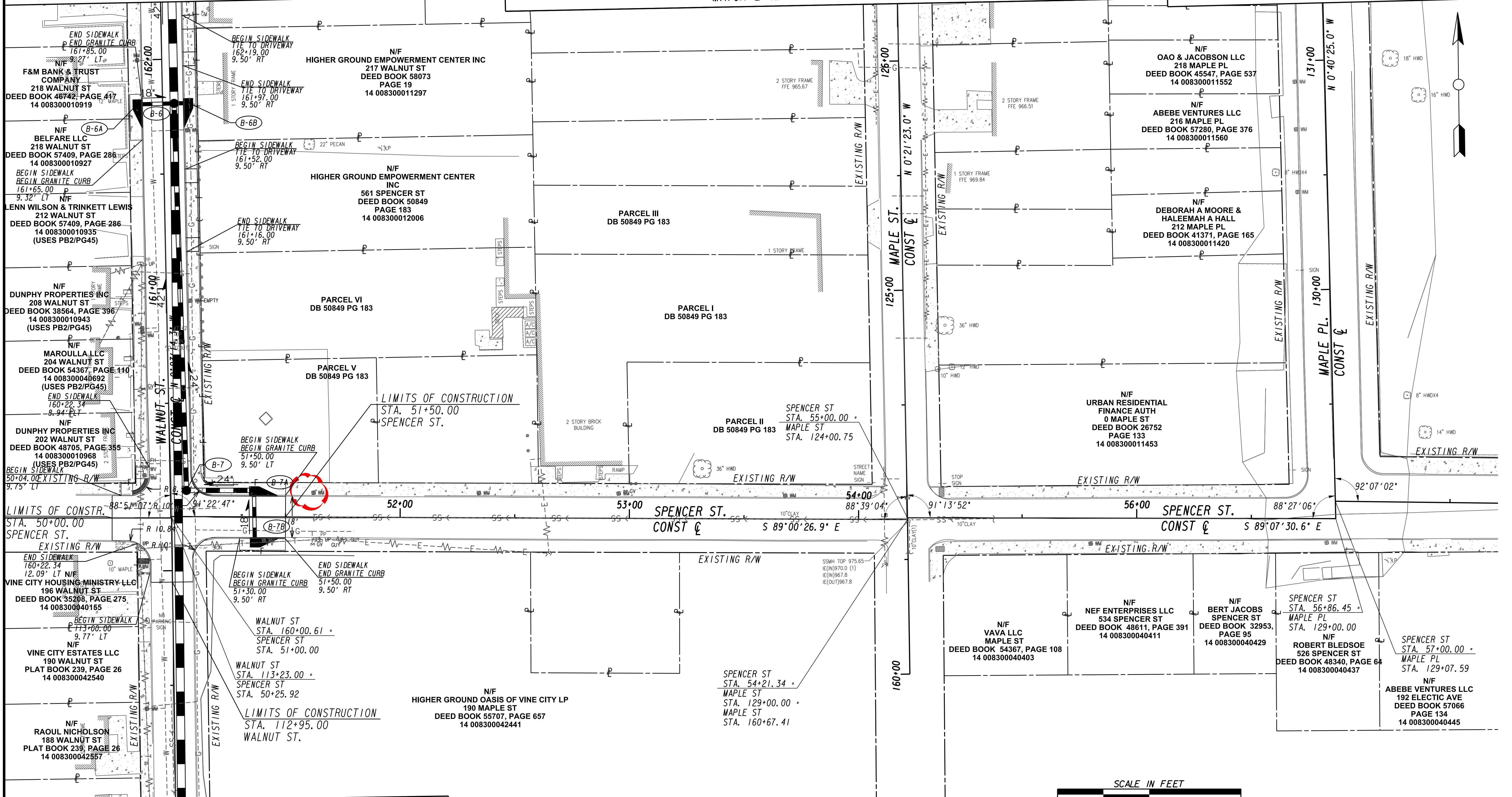
ROADWAY IMPROVEMENT PLANS

FILE NAME
7383112-
BMLLC PROJECT NUMBER
3089 A/E T.O. # 19
CLIENT PROJECT NUMBER
FC-7383F
DRAWING NUMBER
R-100

MATCH LINE STA 162+75 (WALNUT ST.) SEE DRAWING R-100

MATCH LINE STA 126+75 (MAPLE ST.) SEE DRAWING R-100

MATCH LINE STA 131+75 (MAPLE PL.) SEE DRAWING R-100



MATCH LINE STA 112+00 (WALNUT ST.) SEE DRAWING NO. R-102

Benchmark Management
wsp

BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
PROJECT MANAGER:	DESIGNED BY:
DATE:	DRAWN BY:
APPROVED:	CHECKED BY:
DATE:	APPROVED BY:



PLAT CARDS					
REV.	DATE	BY	CHK.	APP.	DESCRIPTION

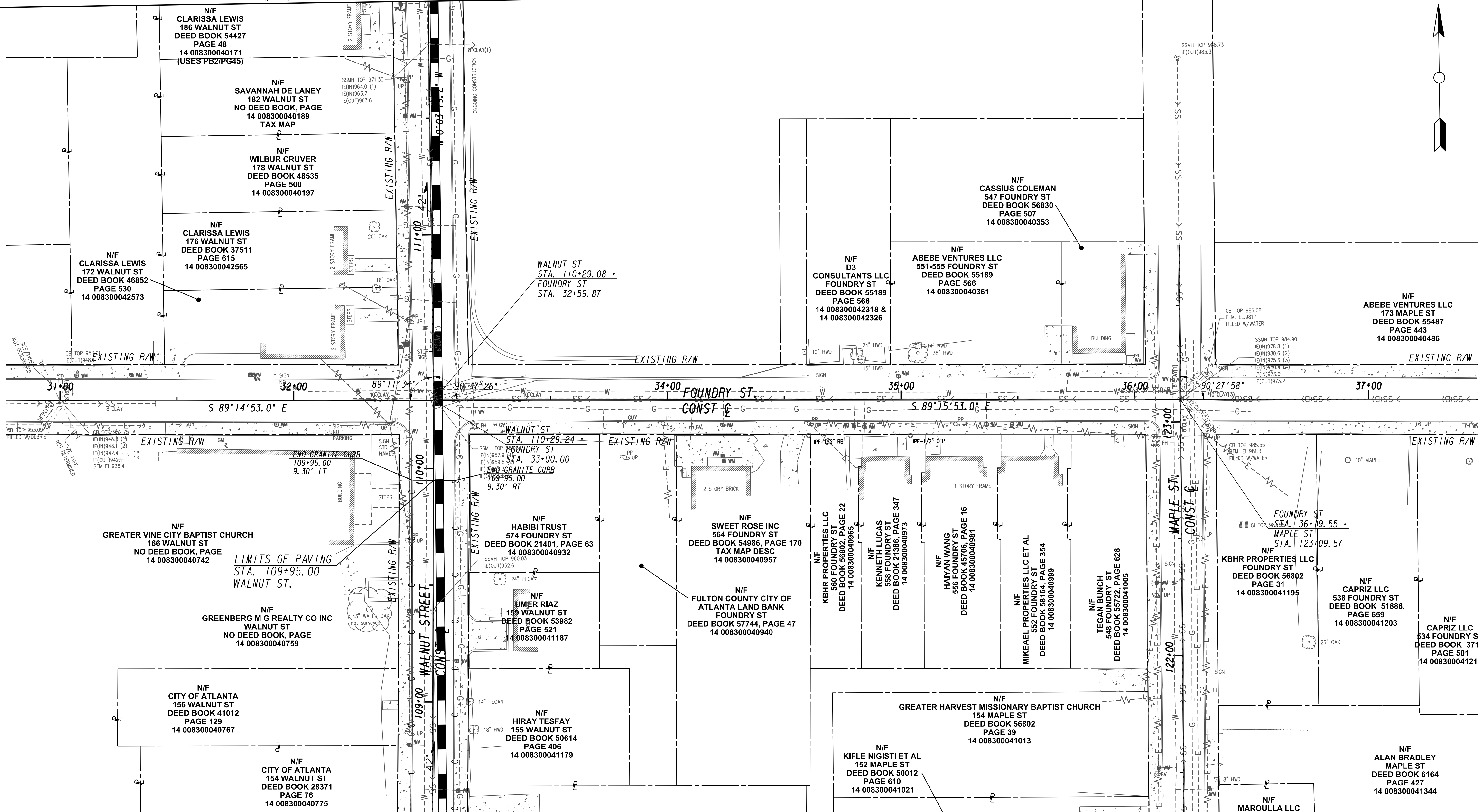
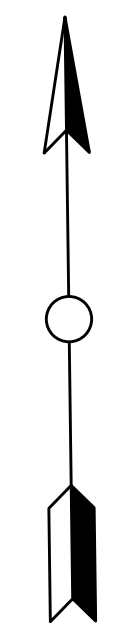
CITY OF ATLANTA DEPARTMENT OF watershed management

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

ROADWAY IMPROVEMENT PLANS

FILE NAME 7383112-
BMMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER R-101

MATCH LINE STA 112+00 (WALNUT ST.) SEE DRAWING NO. R-101



MATCH LINE STA. 108+50 (WALNUT ST.) SEE DRAWING No. R-103



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____



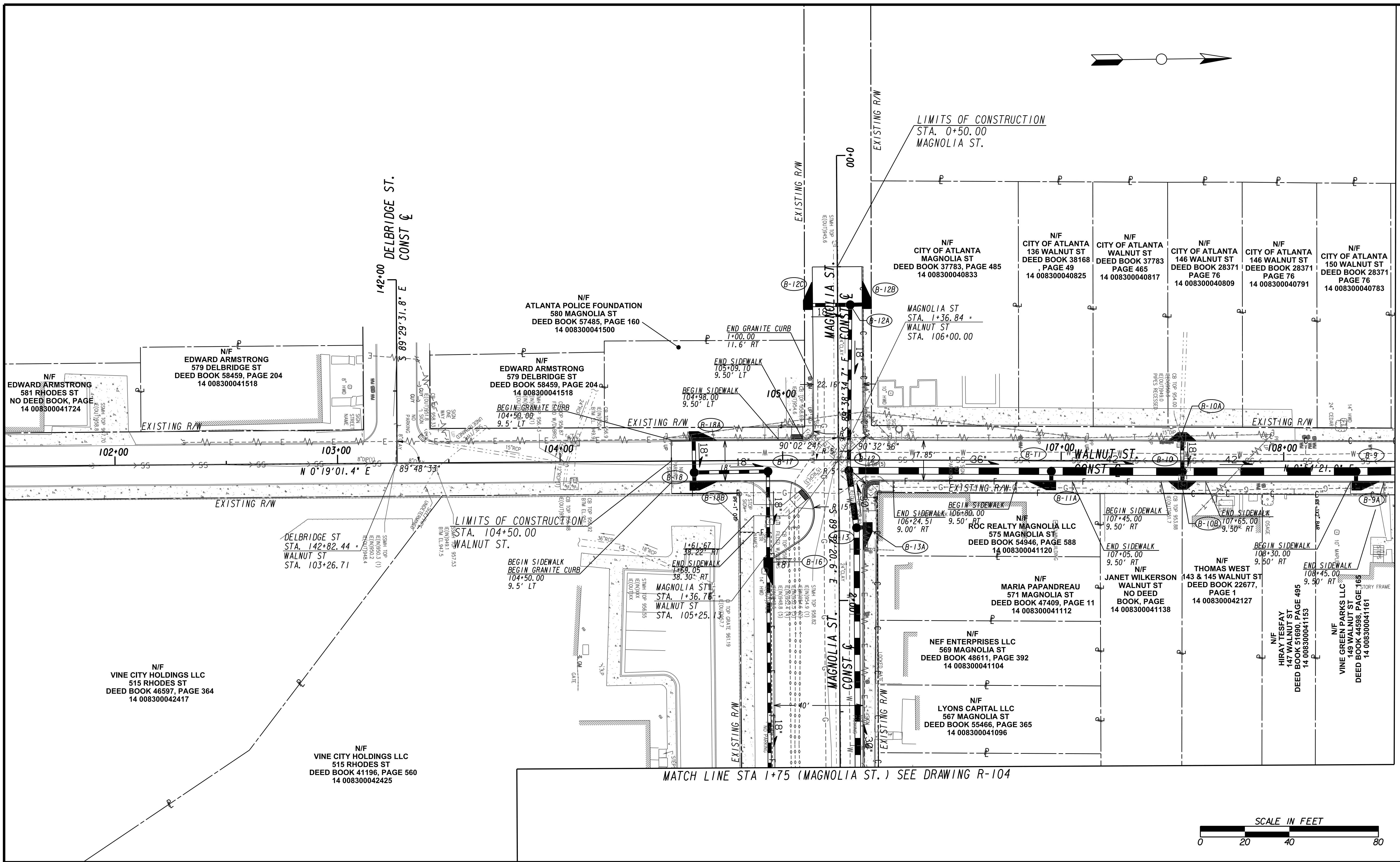
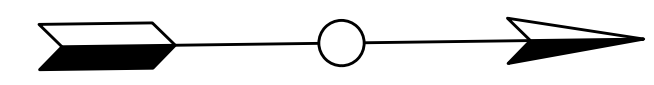
PLAT CARDS		REVISIONS			
REV.	DATE	BY	CHK.	APP.	DESCRIPTION



UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

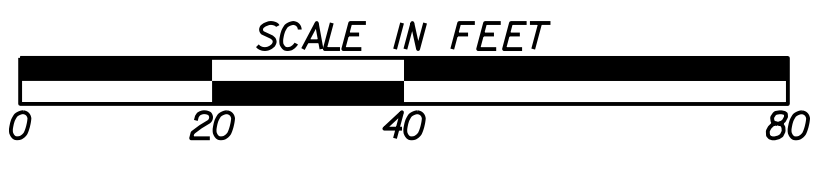
ROADWAY IMPROVEMENT PLANS

FILE NAME
 7383112-
 BMLLC PROJECT NUMBER
 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER
 FC-7383F
 DRAWING NUMBER
R-102



MATCH LINE STA. 108+50 (WALNUT ST.) SEE DRAWING No. R-102

MATCH LINE STA 1+75 (MAGNOLIA ST.) SEE DRAWING R-104



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BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
PROJECT MANAGER:	DESIGNED BY:
DATE:	DRAWN BY:
APPROVED:	CHECKED BY:
DATE:	APPROVED BY:



PLAT CARDS					
REV.	DATE	BY	CHK.	APP.	DESCRIPTION

REVISIONS

CITY OF ATLANTA DEPARTMENT OF watershed management

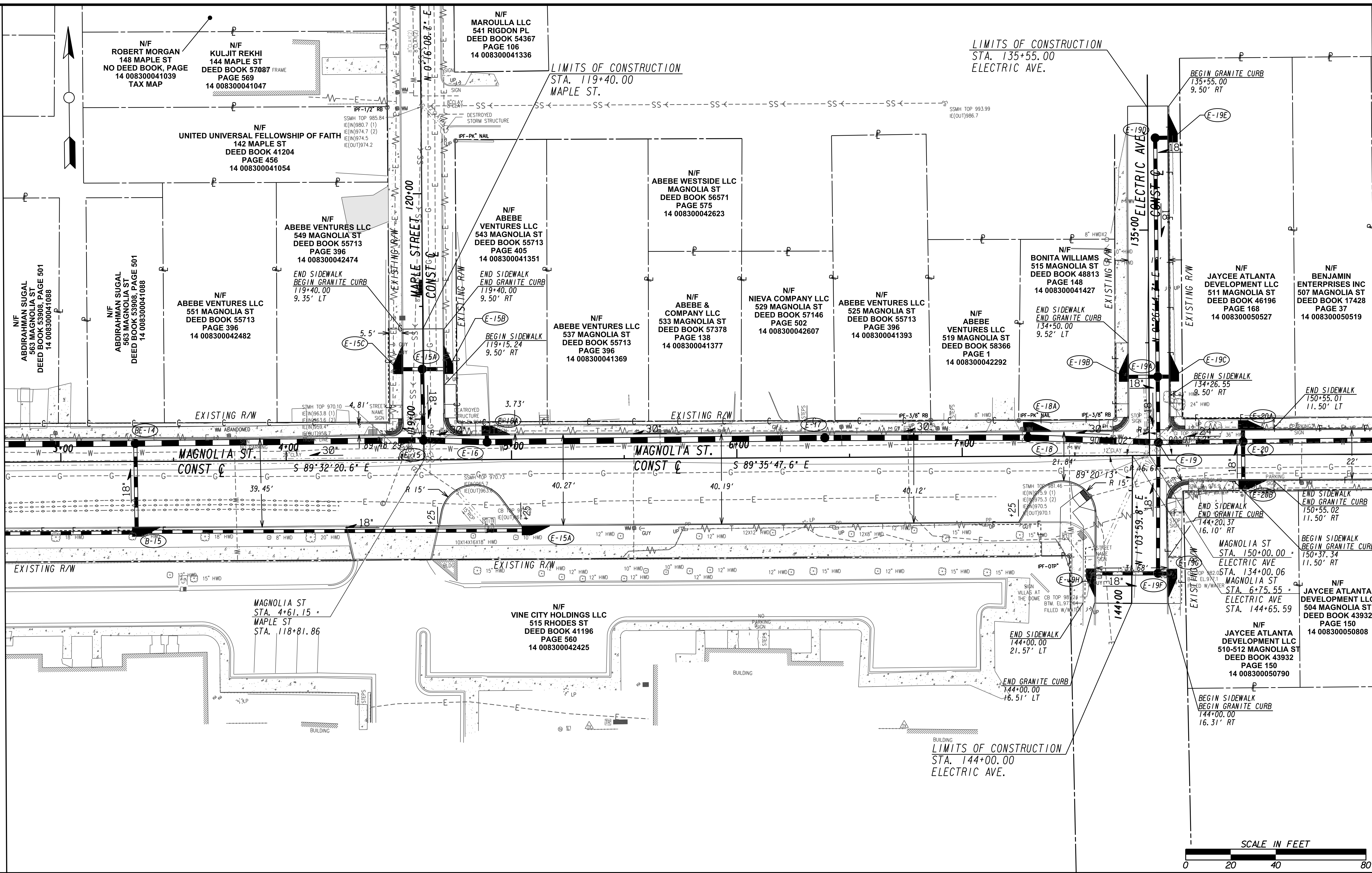
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

ROADWAY IMPROVEMENT PLANS

FILE NAME: 7383112-
BMMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER: FC-7383F
DRAWING NUMBER: R-103

MATCH LINE STA 1+75 (MAGNOLIA ST.) SEE DRAWING R-103

MATCH LINE STA 151+00 (MAGNOLIA ST.) SEE DRAWING R-105



SUBMITTED: _____
PROJECT MANAGER
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
APPROVED BY: _____
DATE: _____



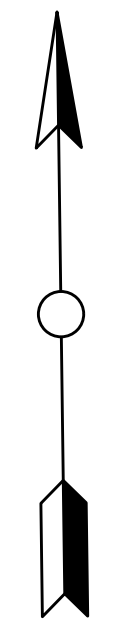
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REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

CITY OF ATLANTA DEPARTMENT OF watershed management

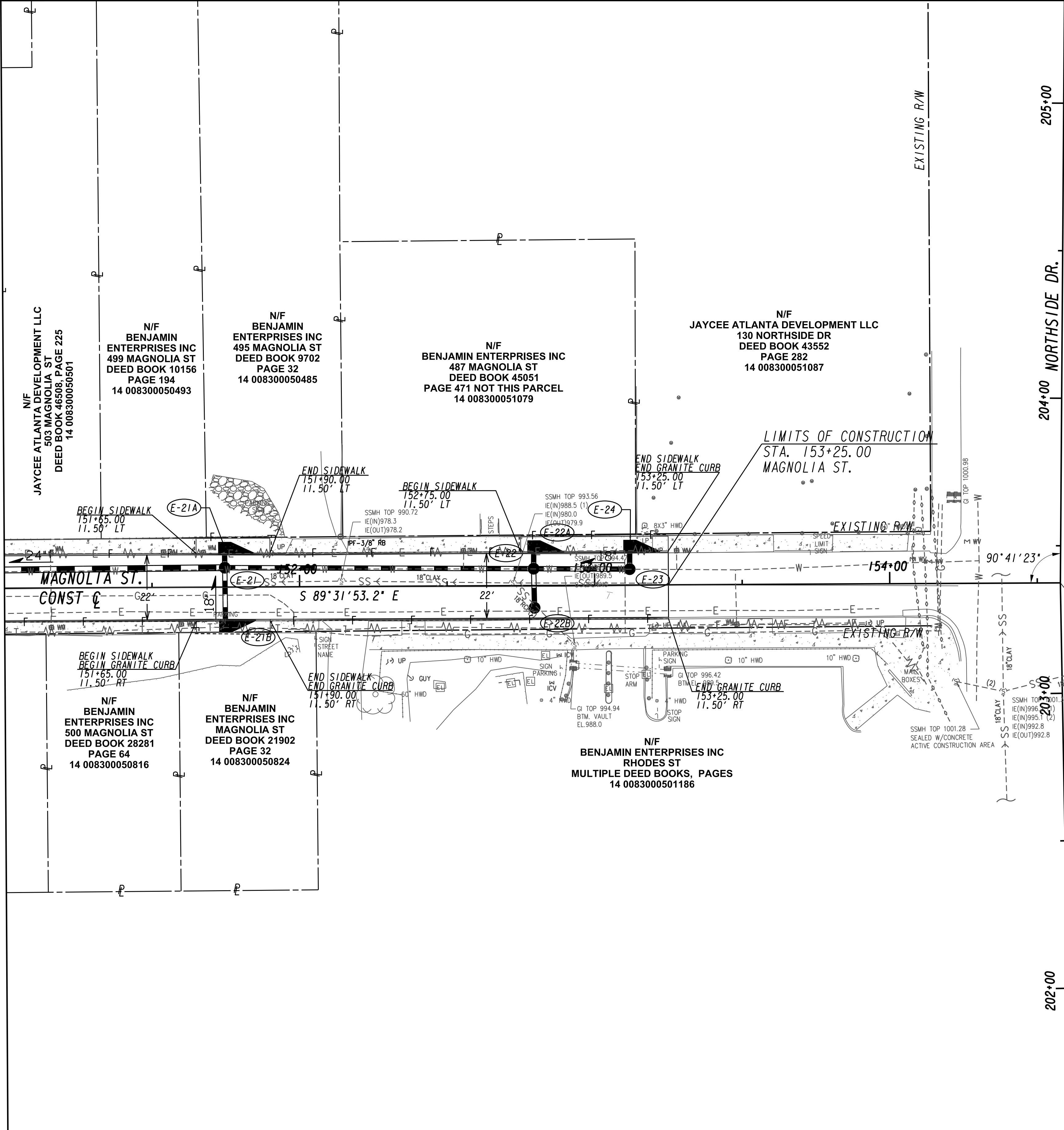
UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS

ROADWAY IMPROVEMENT PLANS

FILE NAME: 7383112-
BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER: FC-7383F
DRAWING NUMBER: **R-104**



MATCH LINE STA 151+00 (MAGNOLIA ST.) SEE DRAWING R-104



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED: _____
 DATE: _____
 APPROVED BY: _____

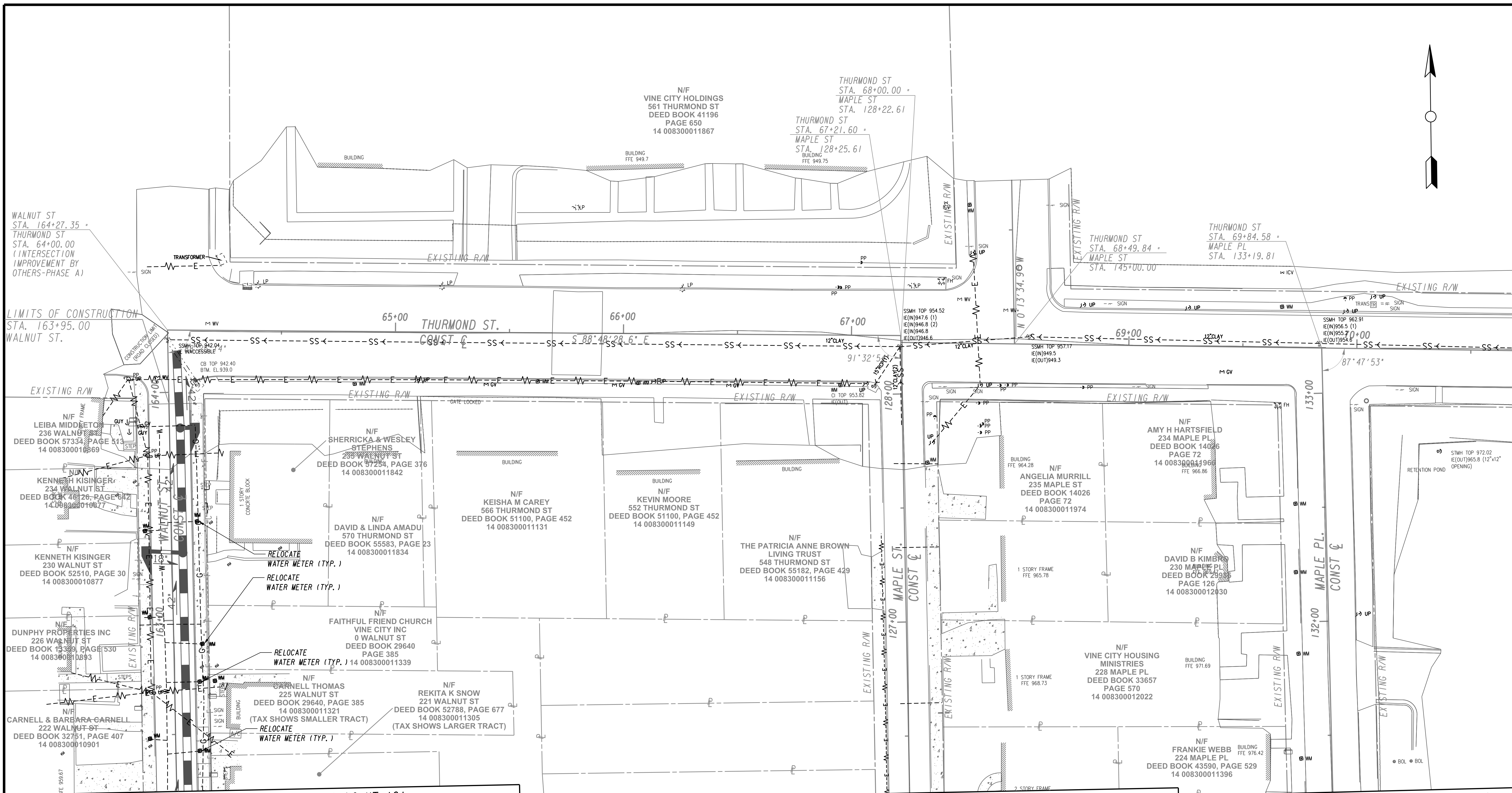
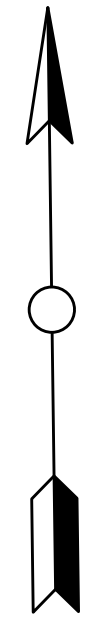


PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

**UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS**

ROADWAY IMPROVEMENT PLANS

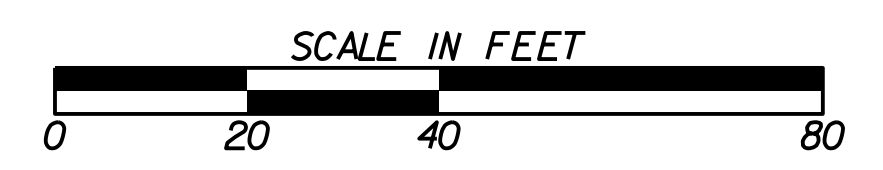
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 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **R-105**



MATCH LINE STA 162+75 (WALNUT ST.) SEE DRAWING UT-101

MATCH LINE STA 126+75 (MAPLE ST.) SEE DRAWING UT-101

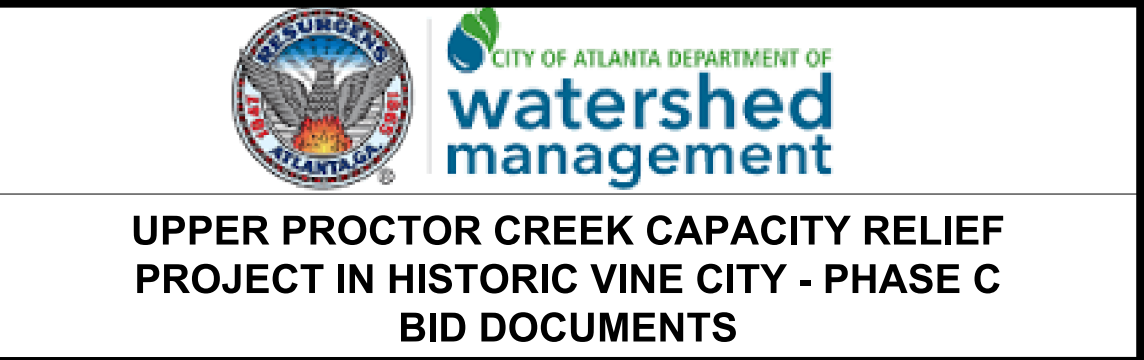
MATCH LINE STA 131+75 (MAPLE PL.) SEE DRAWING UT-101



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED: _____
 DATE: _____



PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	



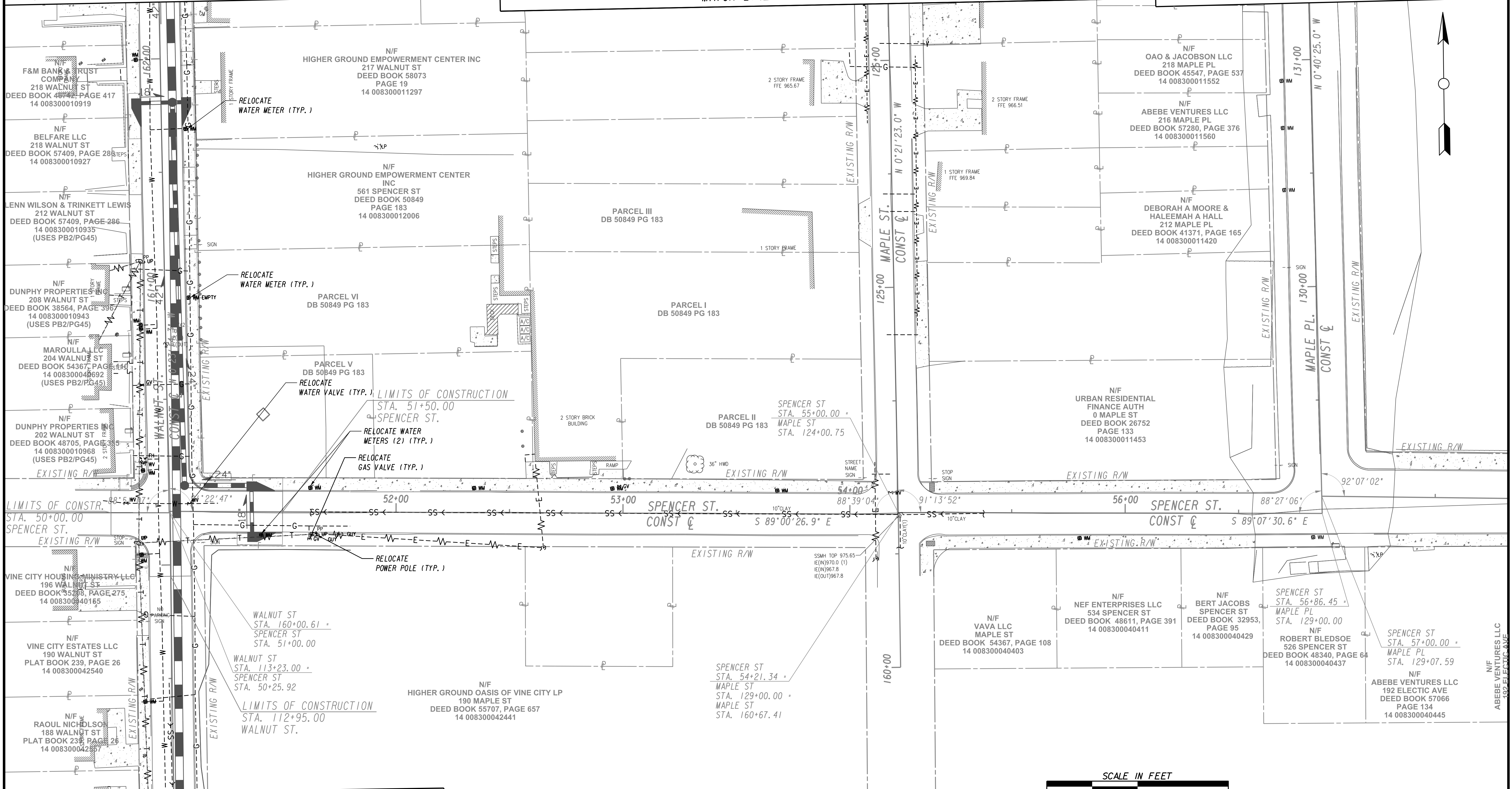
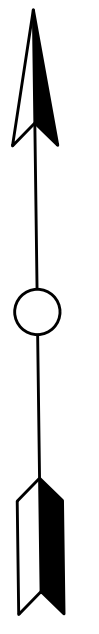
UTILITY PLANS
 UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

FILE NAME: 7383112-
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **UT-100**

MATCH LINE STA 162+75 (WALNUT ST.) SEE DRAWING UT-100

MATCH LINE STA 126+75 (MAPLE ST.) SEE DRAWING UT-100

MATCH LINE STA 131+75 (MAPLE PL.) SEE DRAWING UT-100



MATCH LINE STA 112+00 (WALNUT ST.) SEE DRAWING NO. UT-102



SUBMITTED: PROJECT MANAGER
DATE: DESIGNED BY:
APPROVED: DRAWN BY:
DATE: CHECKED BY:
APPROVED BY:



PLAT CARDS

REV.	DATE	BY	CHK.	APP.	DESCRIPTION

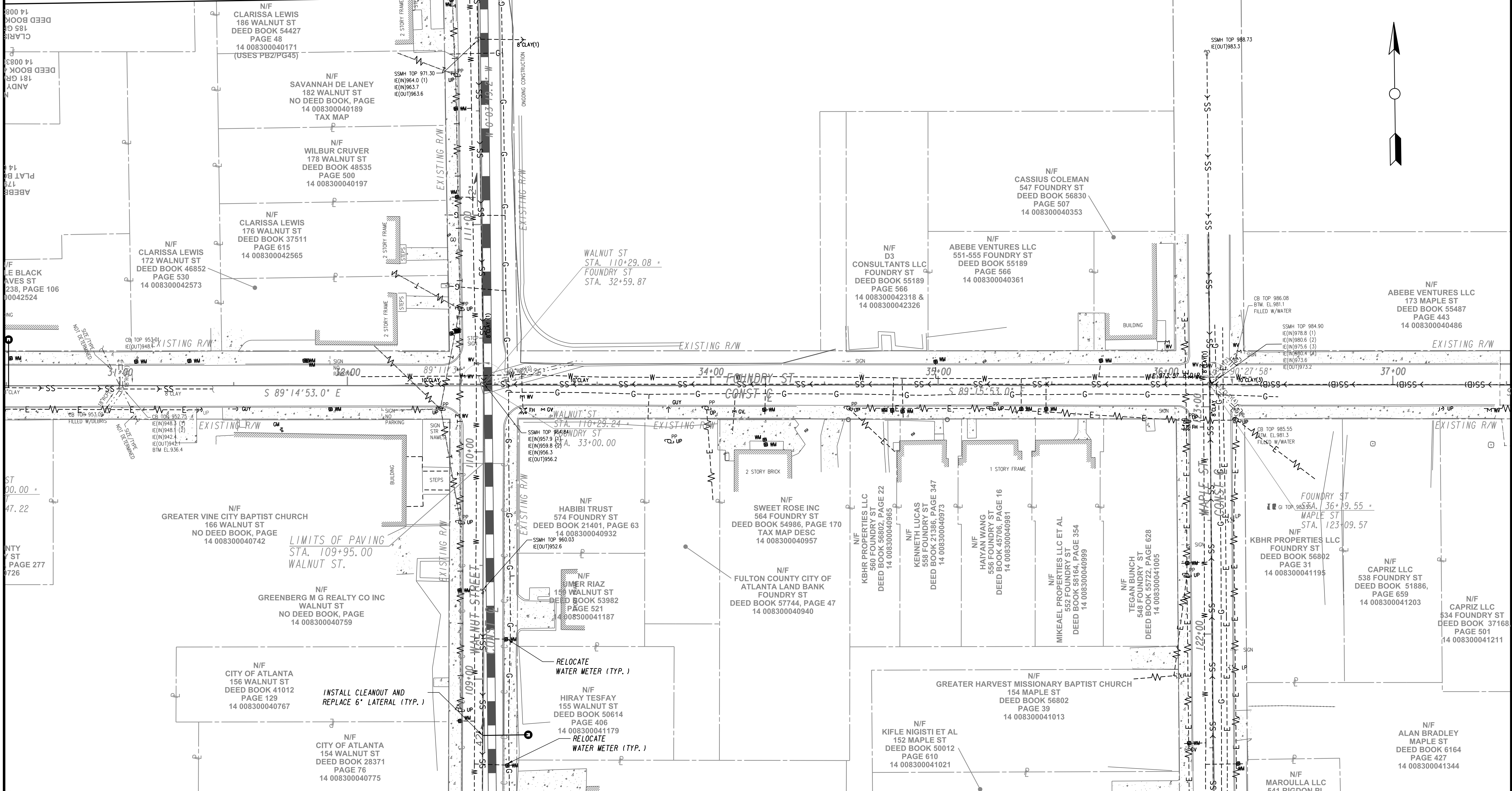
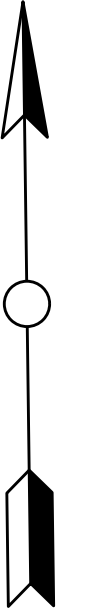
REVISIONS

UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS

UTILITY PLANS

FILE NAME: 7383112-
BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER: FC-7383F
DRAWING NUMBER: **UT-101**

MATCH LINE STA 112+00 (WALNUT ST.) SEE DRAWING NO. UT-101



MATCH LINE STA. 108+50 (WALNUT ST.) SEE DRAWING No. UT-103



Benchmark Management
wsp
BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

SUBMITTED: _____
PROJECT MANAGER
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
APPROVED BY: _____
APPROVED: _____
DATE: _____

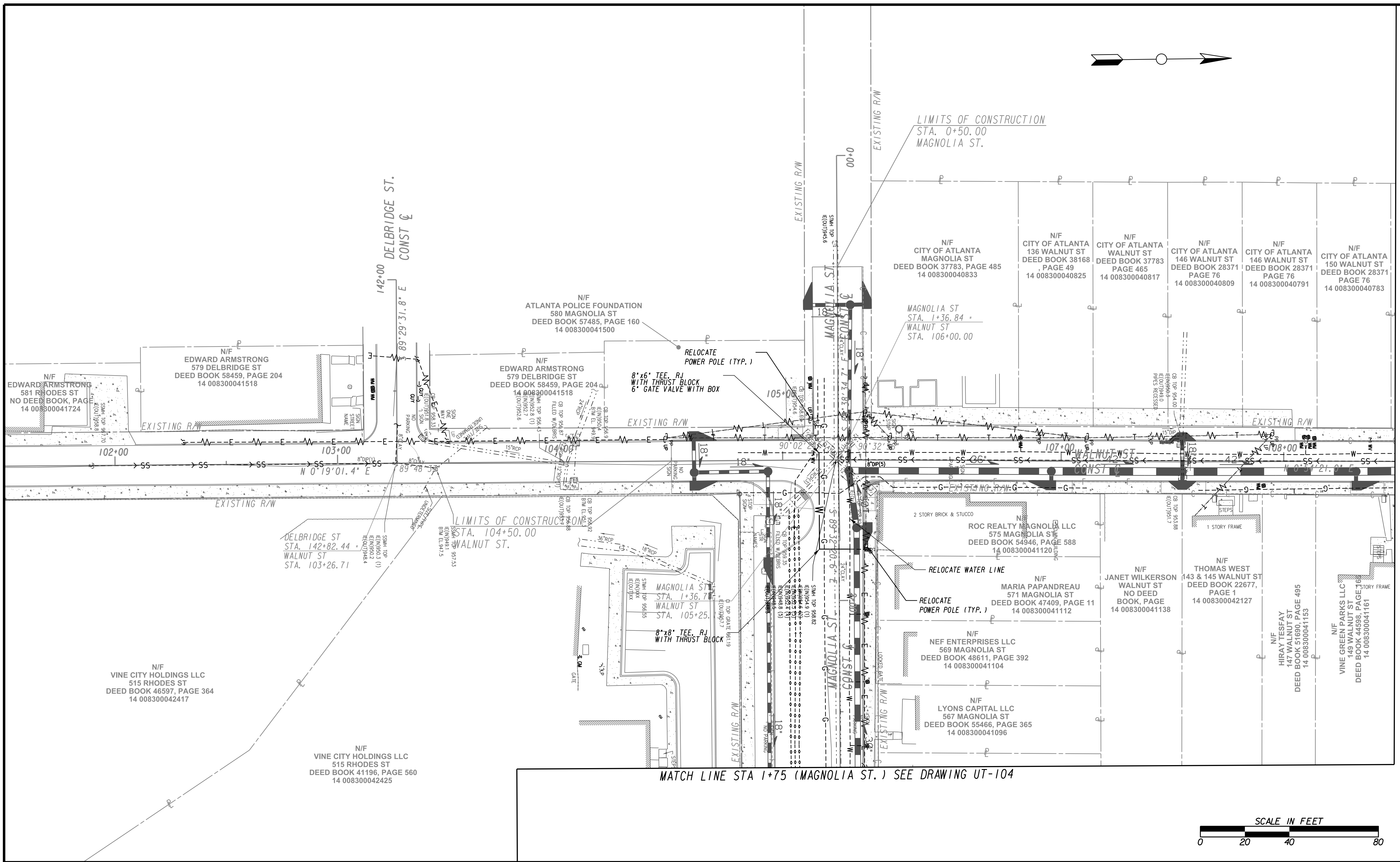
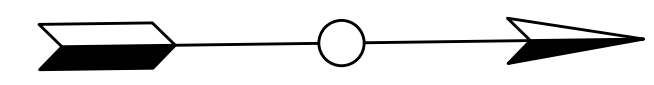


PLAT CARDS		REVISIONS			
REV.	DATE	BY	CHK.	APP.	DESCRIPTION

water shed management
CITY OF ATLANTA DEPARTMENT OF
UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS

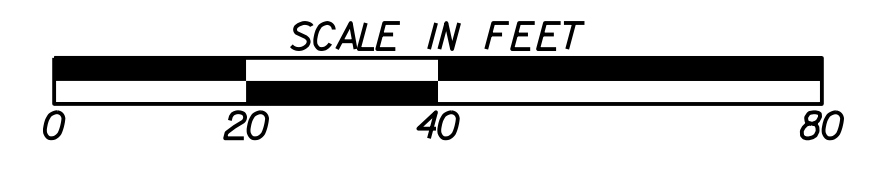
UTILITY PLANS
FILE NAME: 7383112-
BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER: FC-7383F
DRAWING NUMBER: **UT-102**

RELOCATE WATER METER (TYP.)
INSTALL CLEANOUT AND REPLACE 6" LATERAL (TYP.)
LIMITS OF PAVING STA. 109+95.00 WALNUT ST.



MATCH LINE STA. 108+50 (WALNUT ST.) SEE DRAWING No. UT-102

MATCH LINE STA 1+75 (MAGNOLIA ST.) SEE DRAWING UT-104



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wsp
BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
PROJECT MANAGER:	DESIGNED BY:
DATE:	DRAWN BY:
APPROVED:	CHECKED BY:
DATE:	APPROVED BY:



PLAT CARDS					
REV.	DATE	BY	CHK.	APP.	DESCRIPTION

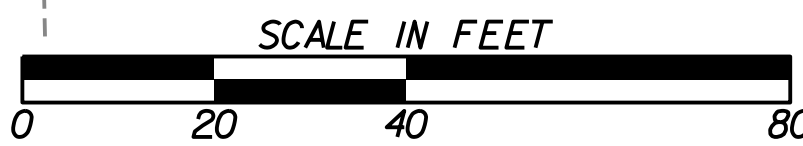
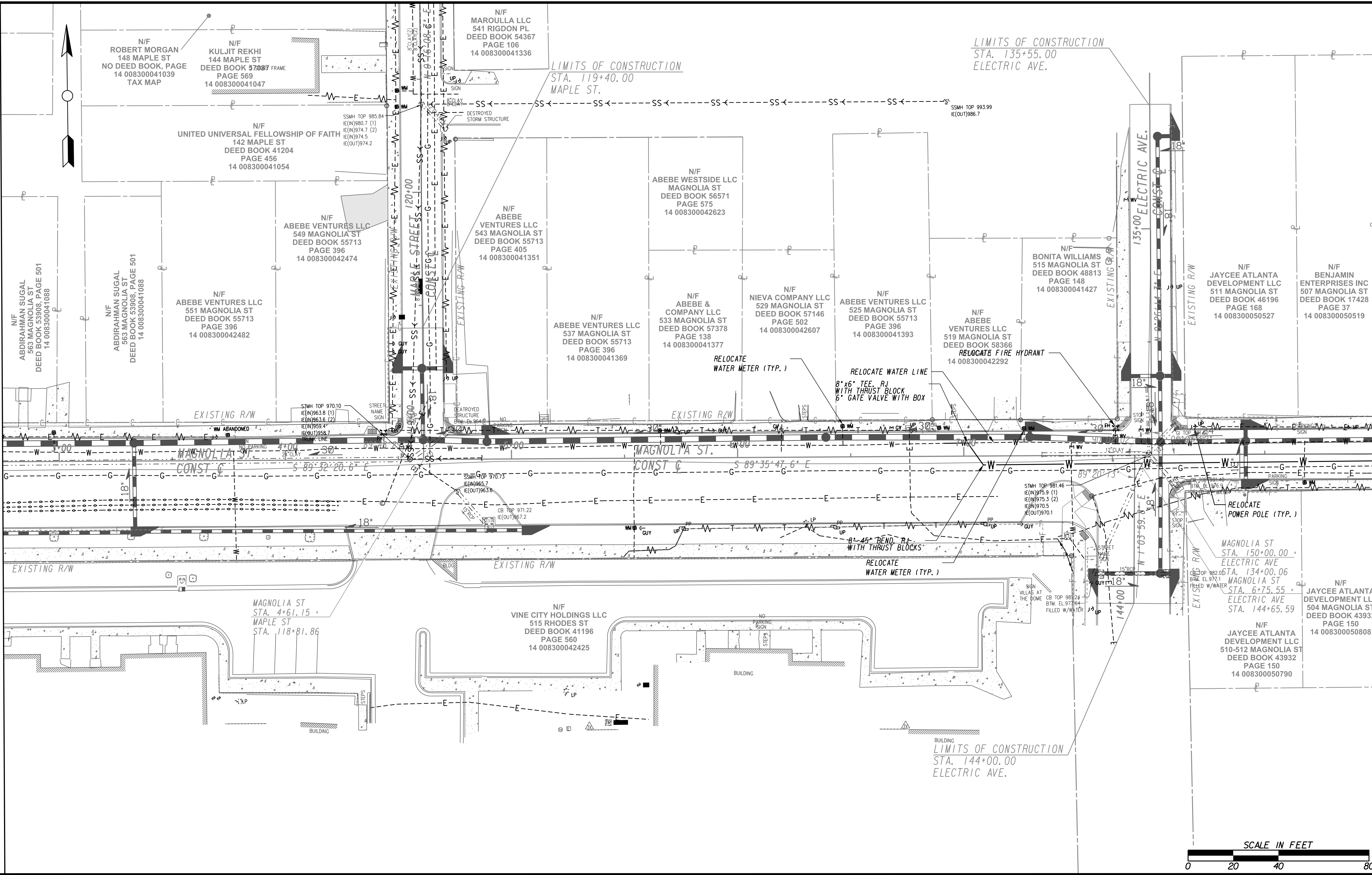
water shed management
CITY OF ATLANTA DEPARTMENT OF
UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS

UTILITY PLANS

FILE NAME: 7383112-
BIMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER: FC-7383F
DRAWING NUMBER: **UT-103**

MATCH LINE STA 1+75 (MAGNOLIA ST.) SEE DRAWING UT-103

MATCH LINE STA 151+00 (MAGNOLIA ST.) SEE DRAWING UT-105



Benchmark Management
 BENCHMARK MANAGEMENT LLC
 100 PEACHTREE STREET
 SUITE 1900
 ATLANTA, GA 30303
 TEL: (404) 581-9656
 FAX: (404) 581-0158

DATE: _____

DATE: _____

DATE: _____

DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED BY: _____

DRAWN BY: _____

CHECKED BY: _____

APPROVED BY: _____

PLAT CARDS

REVISIONS

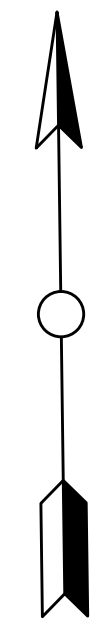
REV.	DATE	BY	CHK.	APP.	DESCRIPTION

CITY OF ATLANTA DEPARTMENT OF watershed management

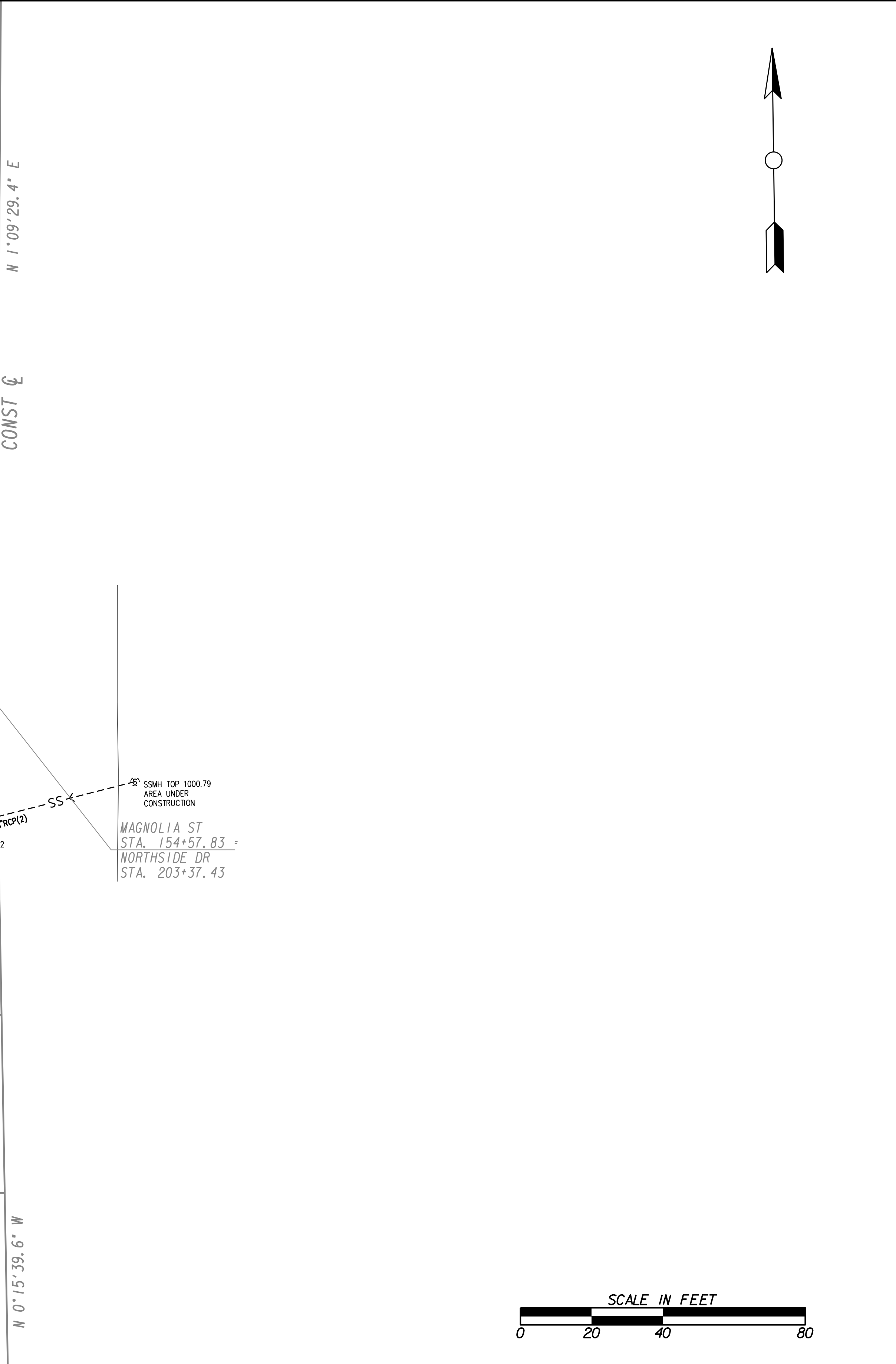
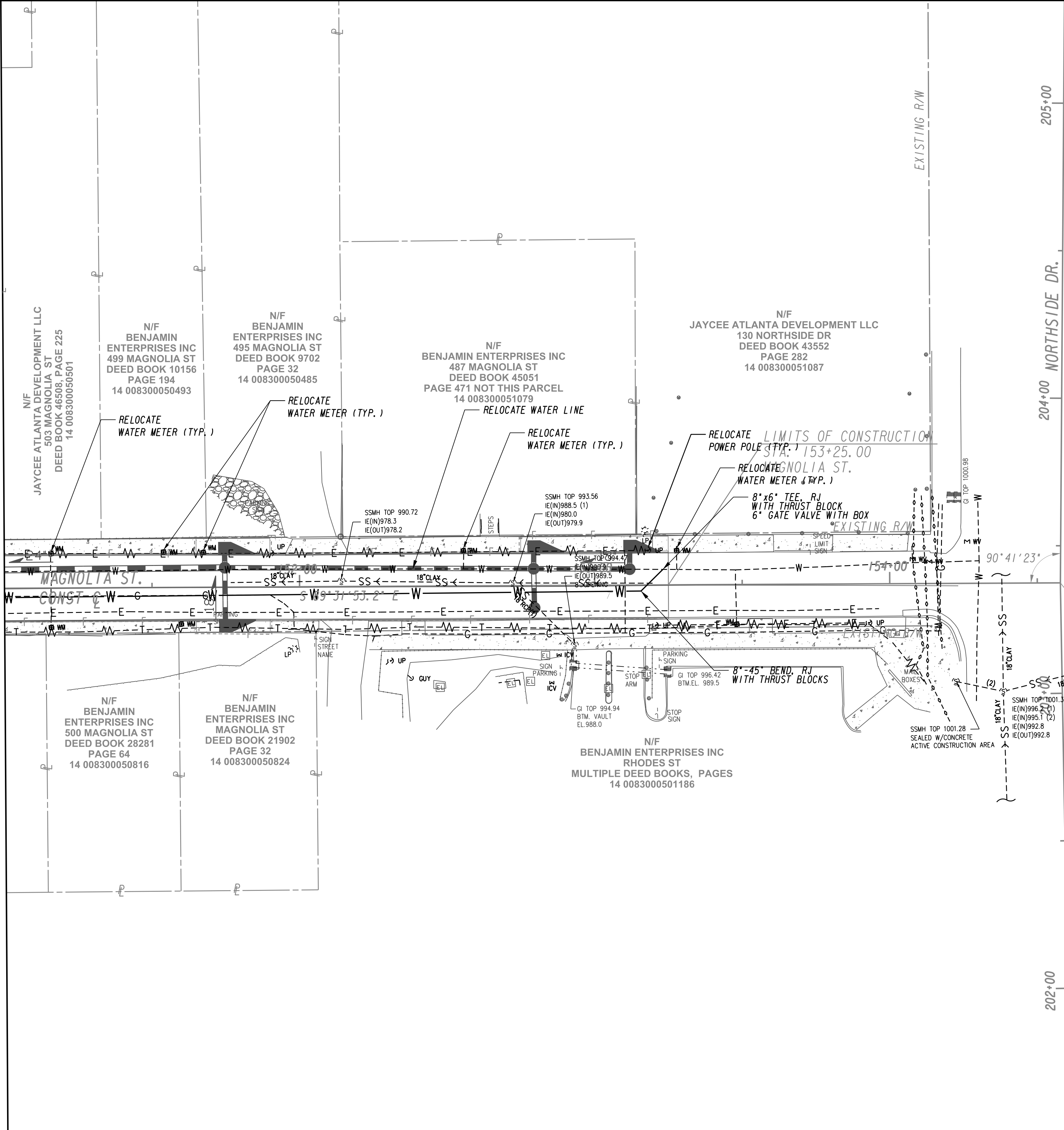
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

UTILITY PLANS

FILE NAME: 7383112-
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **UT-104**




MATCH LINE STA 151+00 (MAGNOLIA ST.) SEE DRAWING UT-104



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED: _____
 DATE: _____



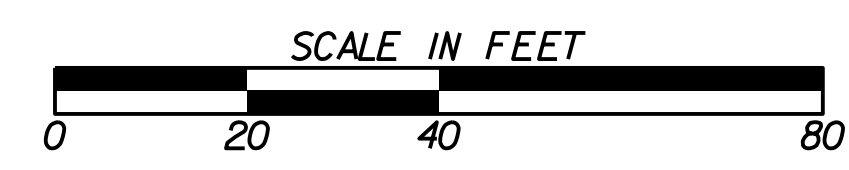
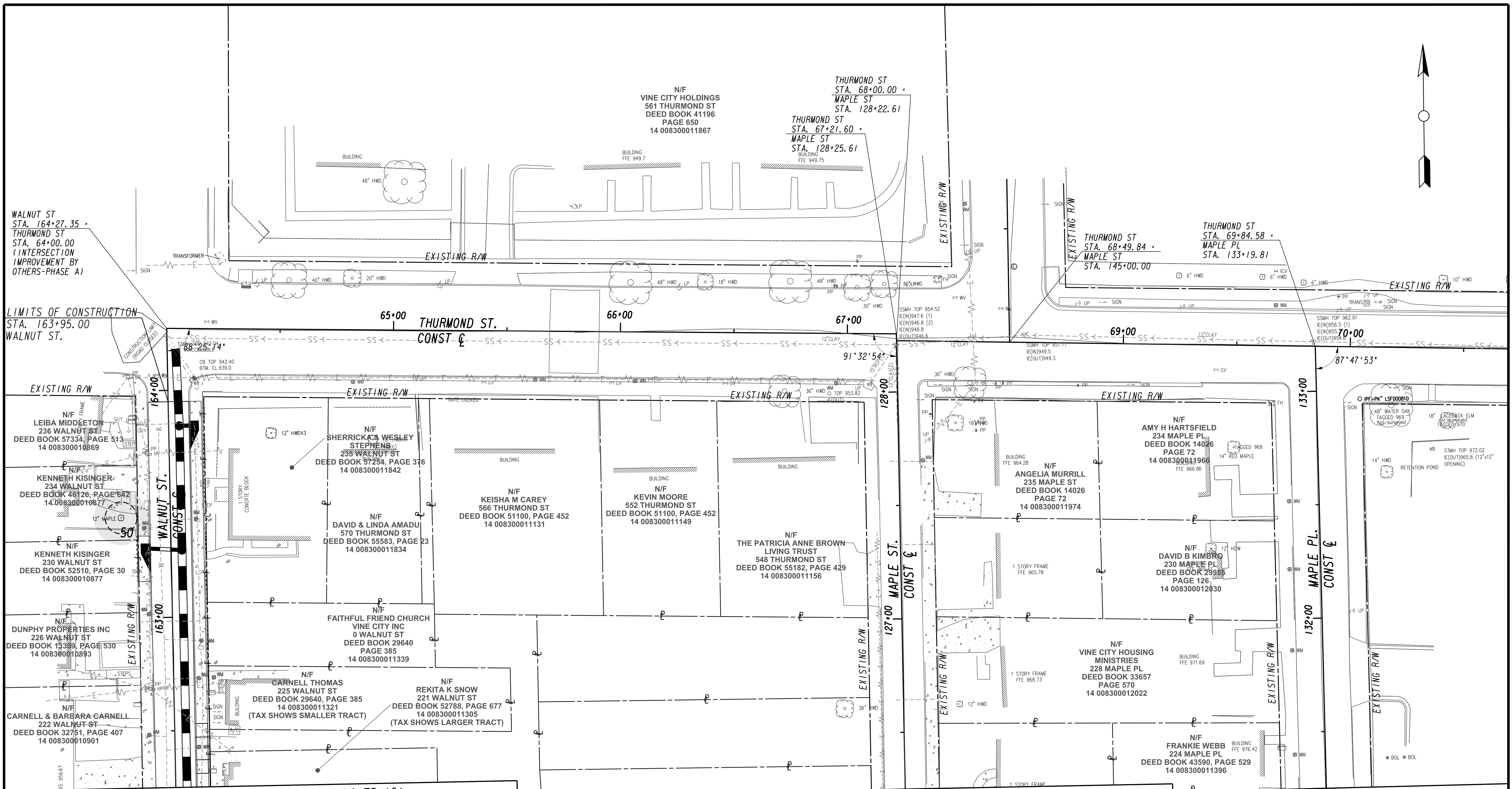
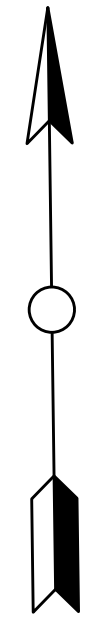
PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	



**UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS**

UTILITY PLANS

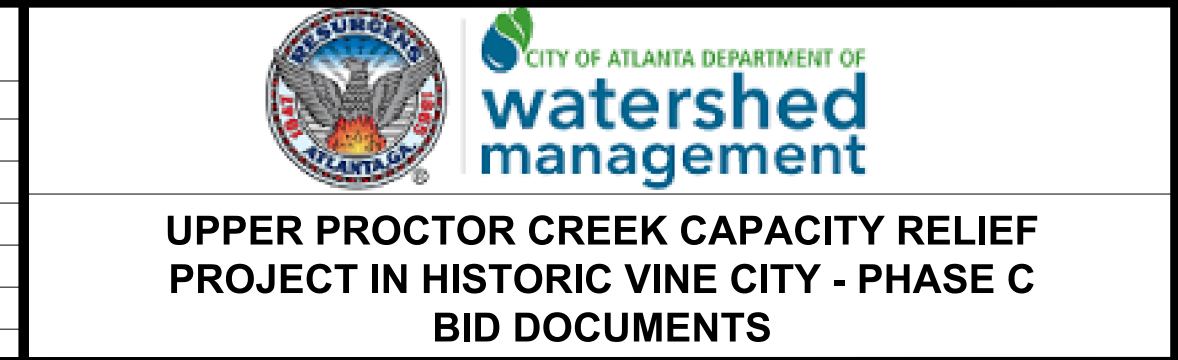
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 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **UT-105**



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____



PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	



TREE PROTECTION PLANS

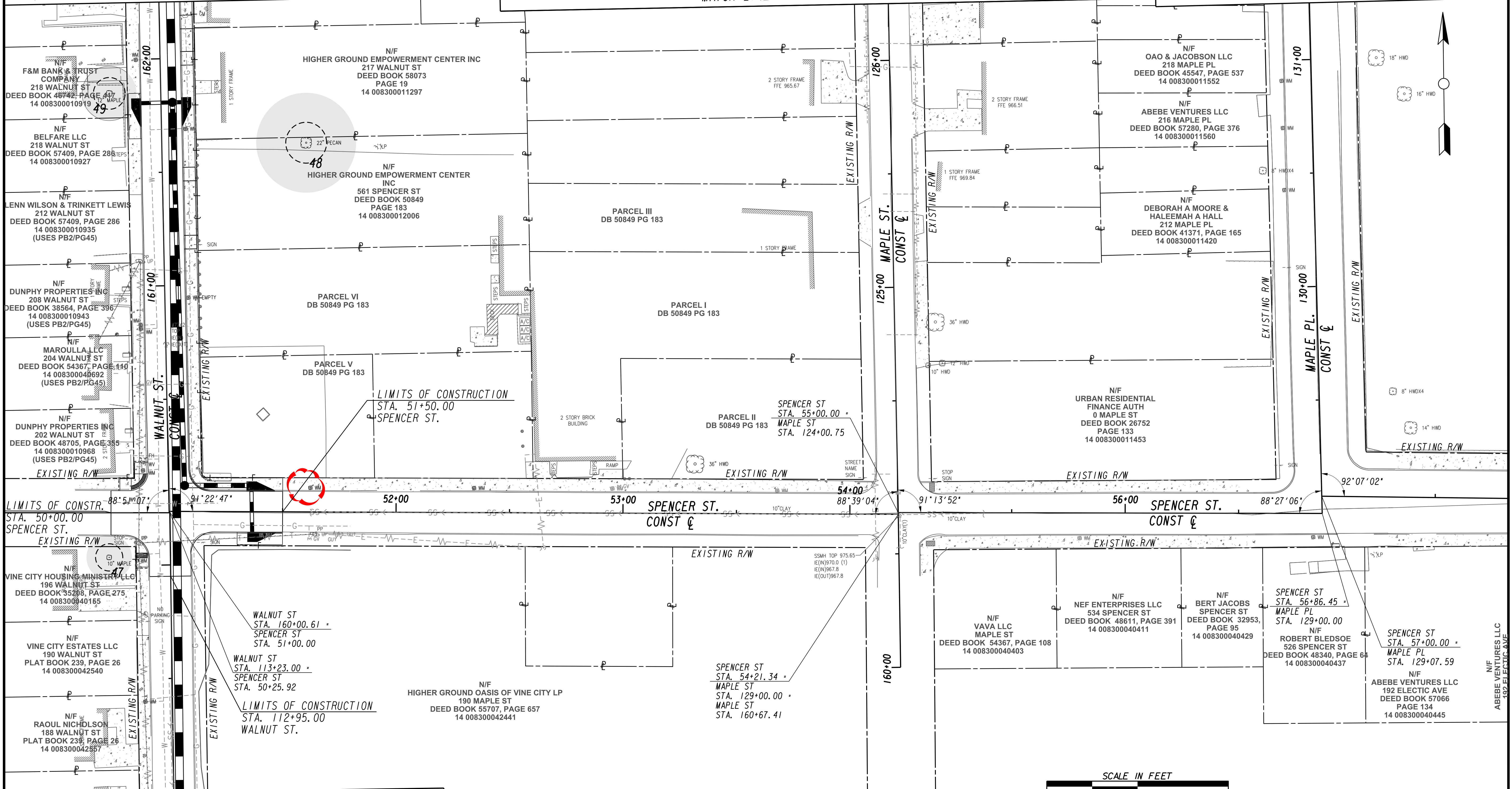
TP-100

FILE NAME: 7383112-
BMMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER: FC-7383F
DRAWING NUMBER: TP-100

MATCH LINE STA 162+75 (WALNUT ST.) SEE DRAWING TP-100

MATCH LINE STA 126+75 (MAPLE ST.) SEE DRAWING TP-100

MATCH LINE STA 131+75 (MAPLE PL.) SEE DRAWING TP-100



MATCH LINE STA 112+00 (WALNUT ST.) SEE DRAWING NO. TP-102



SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
PROJECT MANAGER:	DESIGNED BY:
DATE:	DRAWN BY:
APPROVED:	CHECKED BY:
DATE:	APPROVED BY:



PLAT CARDS					
REV.	DATE	BY	CHK.	APP.	DESCRIPTION

REVISIONS

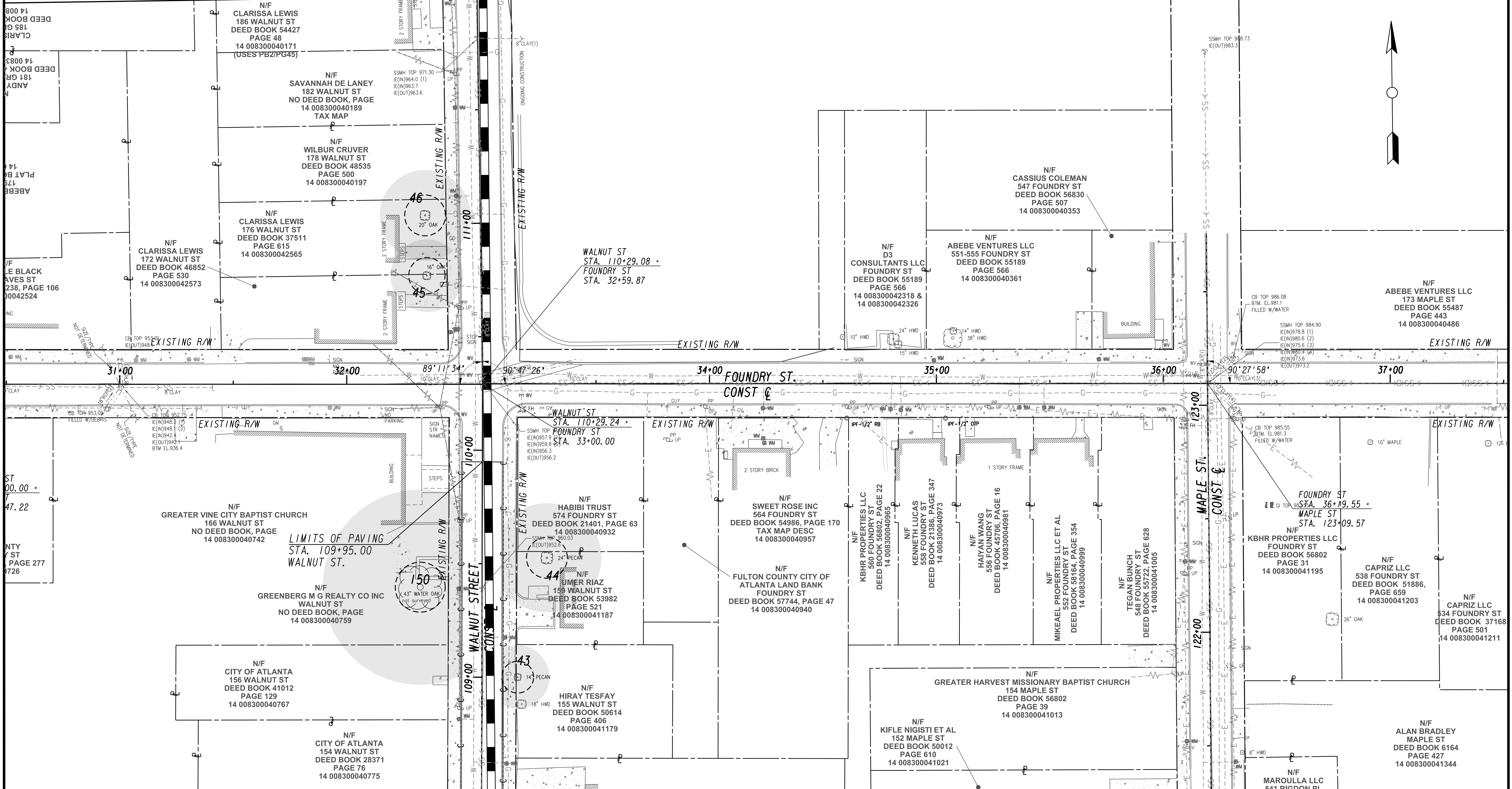
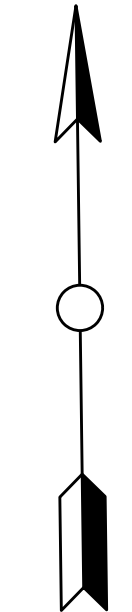
CITY OF ATLANTA DEPARTMENT OF watershed management

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

TREE PROTECTION PLANS

FILE NAME: 7383112-
BMMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER: FC-7383F
DRAWING NUMBER: TP-101

MATCH LINE STA 112+00 (WALNUT ST.) SEE DRAWING NO. TP-101



MATCH LINE STA. 108+50 (WALNUT ST.) SEE DRAWING No. TP-103



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____

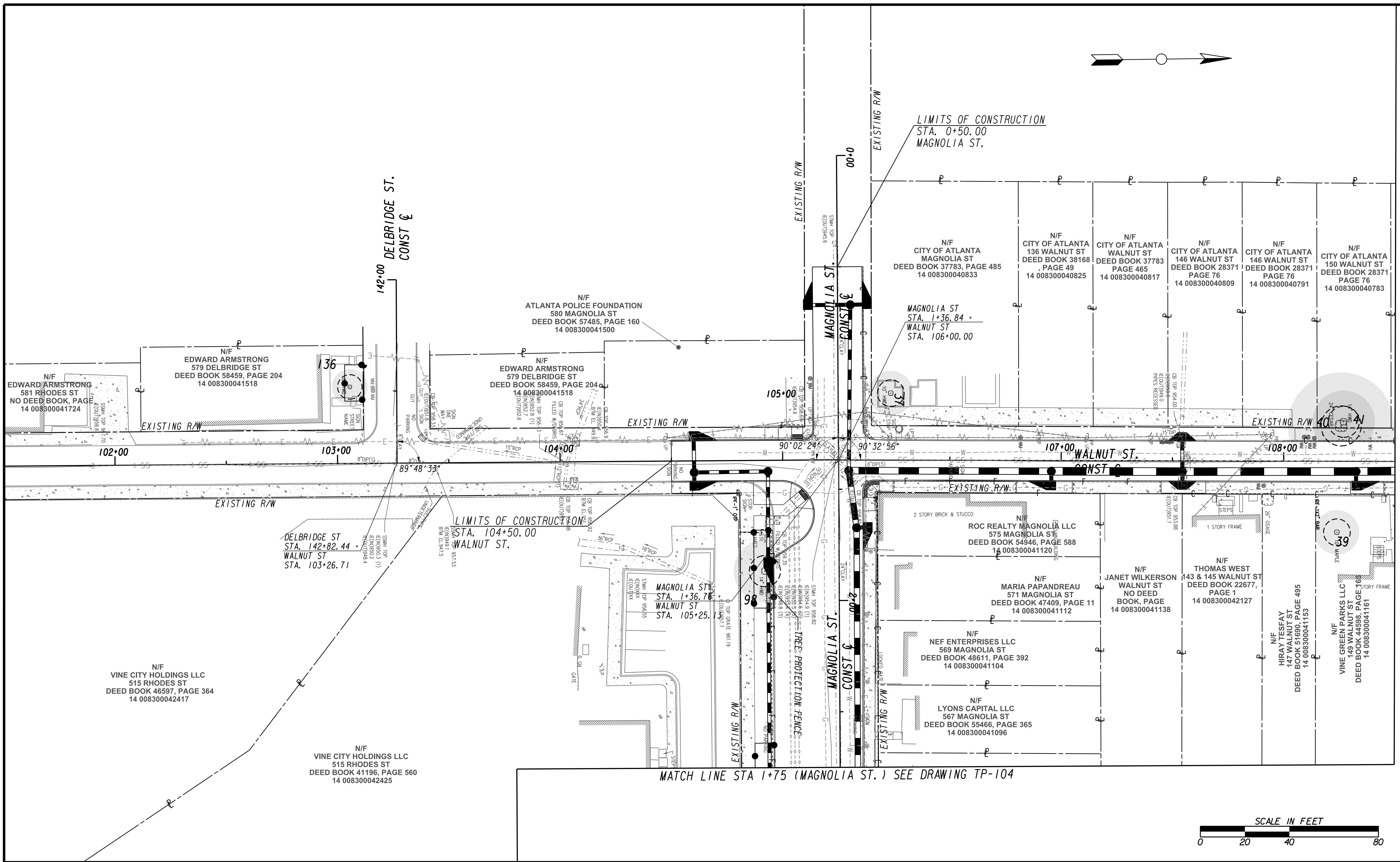
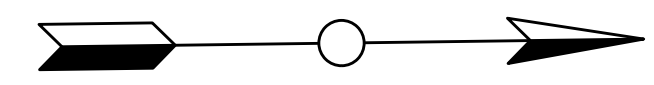


PLAT CARDS		REVISIONS			
REV.	DATE	BY	CHK.	APP.	DESCRIPTION

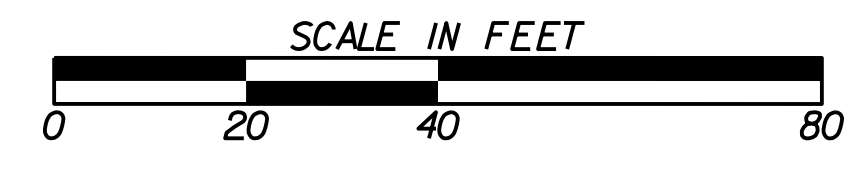
UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

TREE PROTECTION PLANS

FILE NAME: 7383112-
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: TP-102



MATCH LINE STA 1+75 (MAGNOLIA ST.) SEE DRAWING TP-104



Benchmark Management
 WSP
 BENCHMARK MANAGEMENT LLC
 100 PEACHTREE STREET
 SUITE 1900
 ATLANTA, GA 30303
 TEL: (404) 581-9656
 FAX: (404) 581-0158

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
PROJECT MANAGER:	DESIGNED BY:
DATE:	DRAWN BY:
APPROVED:	CHECKED BY:
DATE:	APPROVED BY:



PLAT CARDS					
REV.	DATE	BY	CHK.	APP.	DESCRIPTION

REVISIONS

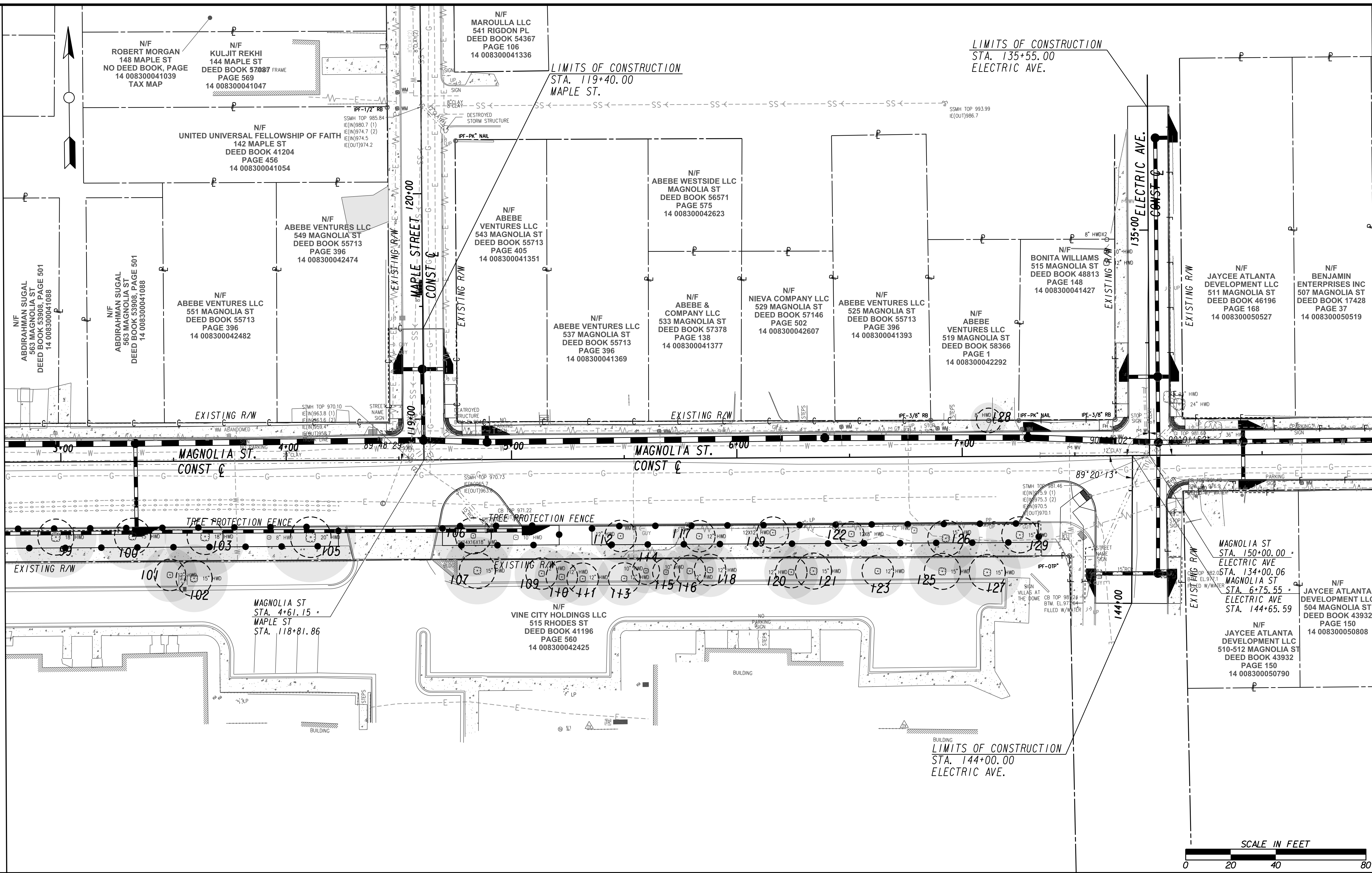
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

TREE PROTECTION PLANS

FILE NAME 7383112-
BMMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER TP-103

MATCH LINE STA 1+75 (MAGNOLIA ST.) SEE DRAWING TP-103

MATCH LINE STA 151+00 (MAGNOLIA ST.) SEE DRAWING TP-105



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____

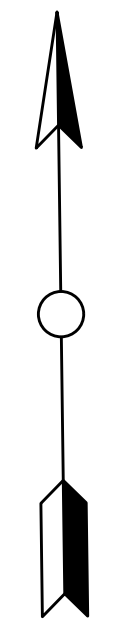


PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

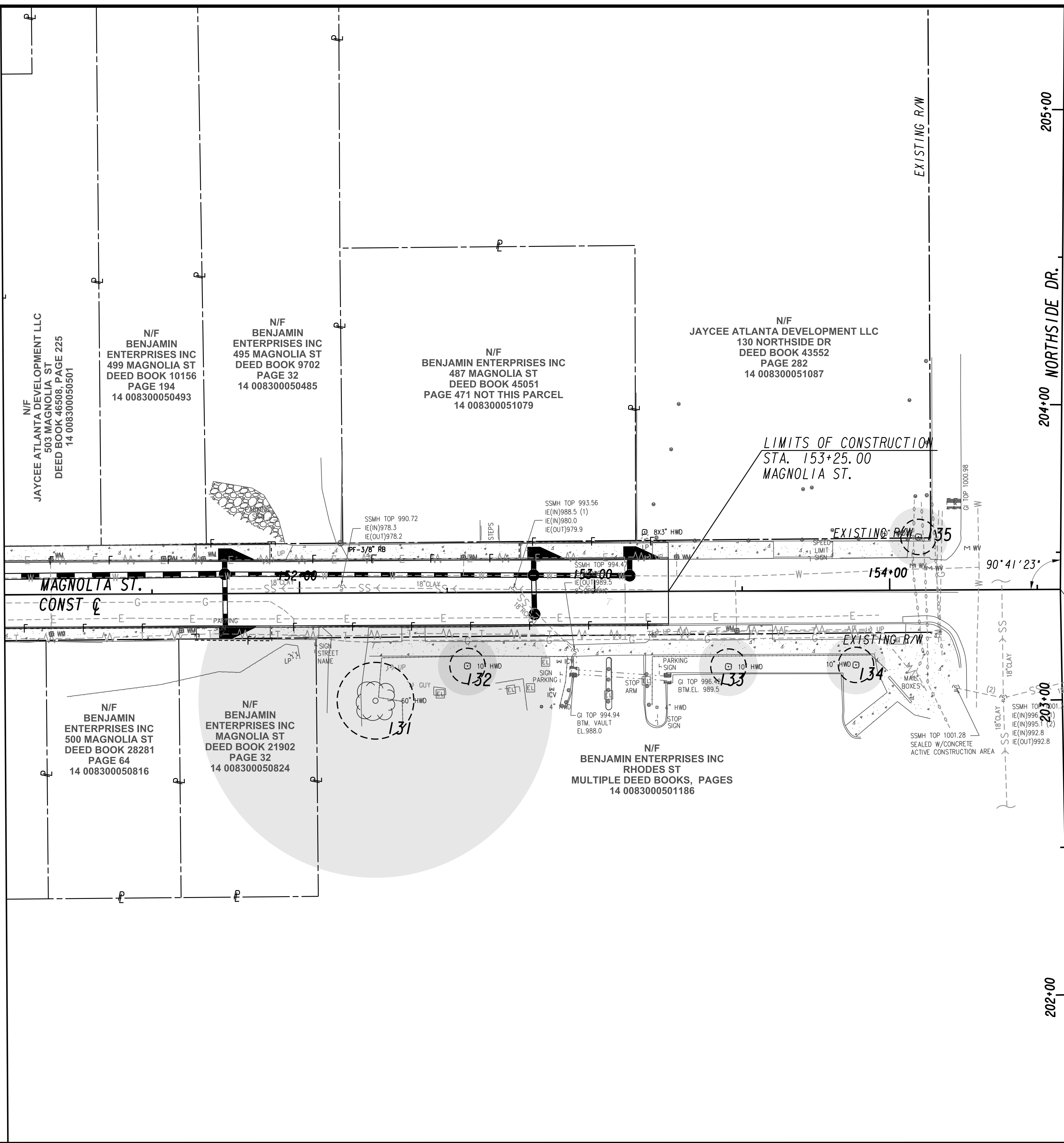
**UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS**

TREE PROTECTION PLANS

FILE NAME: 7383112-
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **TP-104**



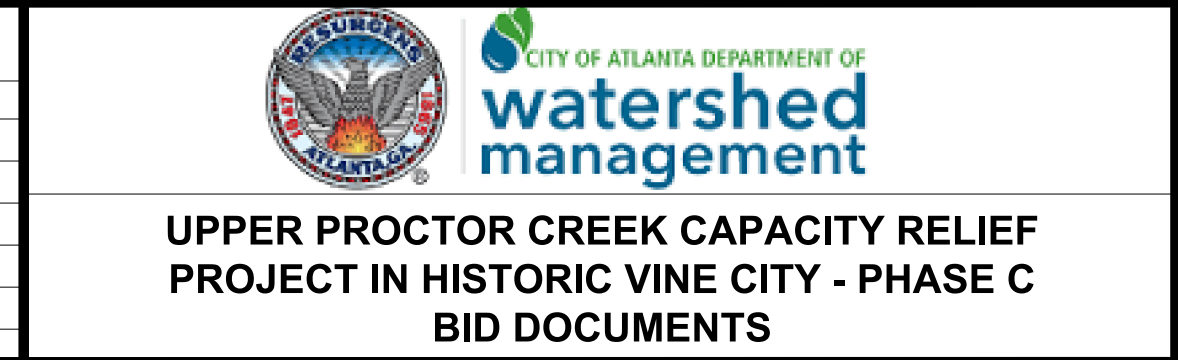
MATCH LINE STA 151+00 (MAGNOLIA ST.) SEE DRAWING TP-104



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____



PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	



TREE PROTECTION PLANS

FILE NAME 7383112-
BMMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER TP-105

STREET	LOCATION					CRITICAL ROOT ZONE (CRZ) IMPACT CALCULATIONS								REMARK	DEAD, DYING, HAZARDOUS (DDH) (Yes,No)	DIAMETER @ BREST HEIGHT (DBH) (IN)	LOCATION (PUBLIC / PRIVATE)	REQUIRED TREE EASEMENT (YES / NO)	TREE TO BE REMOVED (YES / NO)	REQUIRED REPLACEMENT DBH (IN)
	TREE ID	FIELD TAG #	STA	OFFSET (FT)	SIDE	TREE SIZE & TYPE	STRUCTURAL ROOT PLATE RADIUS (FT)	CRITICAL ROOT ZONE RADIUS (FT)	EXISTING CRITICAL ROOT ZONE AREA (not included existing impervious area) (1) (SQ FT)	CONSTRUCTION AREA (2) (SQ FT)	NET CRITICAL ROOT ZONE AREA (3) = (1) - (2) (SQ FT)	% IMPACT TO CRITICAL ROOT ZONE (2) / (1) (%)	RECOMMENDATION (SAVED / LOST / DESTROYED)							
MAGNOLIA STREET	38	958	107+92.8	17.2	RT	26"- ELM 28" American elm, <i>Ulmus americana</i>	10	26	2124	298	1,826	15	DESTROYED	TREE LOOKS COMPLETELY DEAD ARBORIST COMMENTS:Tree appears dead	Yes	28"	Private		Yes	28
	40		108+25.8	15.89	LT	24"-CEDAR	9	24.0	1810		1,810	20	SAVED	CRITICAL ROOT ZONE ALREADY IMPACTED BY EXISTING PAVEMENT AND SIDEWALK. THERE IS NO NEW IMPACT FROM ROADWAY IMPROVEMENTS.						
	42	957	108+88.2	17.7	RT	18"- PECAN 24" Pecan, <i>Carya illinoensis</i>	8	16	1018	212	806	21	DESTROYED	TREE IS DISEASED. REMEASURED TREE SIZE IS 24". SRP =9FT AND CRZ = 24FT ARBORIST COMMENTS: Tree appears dead, fungus on trunk	Yes	24"	ROW/Private		Yes	24
	43	956	109+00.0	15.8	RT	14"-PECAN 16" Pecan, <i>Carya illinoensis</i> 28" Pecan, <i>Carya illinoensis</i>	7	14	616	168	448	28	SAVED	TREE LOOKS HEALTHY. NO IMPACT SINCE ALREADY IMPACTED FROM EXISTING SIDEWALK. REMEASURED TREE SIZE IS 16", SRP = 8FT & CRZ = 16FT ARBORIST COMMENTS: Existing sidewalk/impervious surface impact, overall tree appears healthy ARBORIST COMMENTS: Some minor limb damage, tree is above grade, approximately 3' tall retaining wall, healthy	No	16"	Private			
	49		161+85.2	22.7	LT	12"- RED MAPLE 14" Red maple, <i>Acer rubra</i>	7	12	452	50	402	12	SAVED	TREE LOCATED IN PRIVATE PROPERTY AND SURROUNDED BY 10" RETAINING WALL. NOT IMPACTED. ARBORIST COMMENTS:Some impervious surface impact, some utility trimming, appears healthy	No	10"	Private			
	97	961	141+28.4	14.1	LT	10" 8" Hardwood (Ornamental)	6	10	314	32	282	11	SAVED	NO IMPACT. IMPACT FROM EXISTING SIDEWALK. BELONGS TO PHASE B ARBORIST COMMENTS:Existing sidewalk/impervious surface impact, overall tree appears healthy	No	8"	Public			
	104		002+92.2	34.0	RT	8"-REDBUD	5.5	8	201		201	0	DESTROYED	TREE IS DISEASED. REMEASURED TREE SIZE IS 9". SRP =6FT AND CRZ = 9FT	Yes	9"	Public		Yes	9
	108		004+01.7	34.6	RT	10"-REDBUD	6	10	314		314	0	DESTROYED	TREE IS DISEASED. REMEASURED TREE SIZE IS 11". SRP =6FT AND CRZ = 11FT	Yes	11"	Public		Yes	
	124		005+78.5	32.59	RT	12"-REDBUD	7	12.0	452		452	0	DESTROYED	TREE IS DISEASED. REMEASURED TREE SIZE IS 11". SRP =6FT AND CRZ = 11FT	Yes	11"	Public		Yes	11
	130	974	150+28.3	11.3	LT	36"- TBD Unable to determine due to condition	11	36	4,072	376	3,696	10	DESTROYED	TREE IS COMPLETELY DEAD. TAGGED TOGETHER WITH 137 & 138 ARBORIST COMMENTS: Dead tree	Yes	29"	ROW/Private		Yes	29
	131	966	152+25.5	36.6	RT	60"-CATALPA 60" - Southern catalpa, <i>Catalpa bignonioides</i>	13	60	11,310	637	10,673	6	SAVED	NOT IMPACTED. IMPACT FROM EXISTING SIDEWALK ARBORIST COMMENTS: Minimal dead limbs, existing sidewalk/impervious surface impact	No	60"	Public			

BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

SUBMITTED: _____
PROJECT MANAGER: _____
DATE: _____

DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
APPROVED BY: _____



PLAT CARDS					

REVISIONS					
REV.	DATE	BY	CHK.	APP.	DESCRIPTION

UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS

TREE PROTECTION PLANS





FILE NAME: 7383112-
BMMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER: FC-7383F
DRAWING NUMBER: TP-106

STREET	LOCATION					CRITICAL ROOT ZONE (CRZ) IMPACT CALCULATIONS											REMARK	DEAD, DYING, HAZARDOUS (DDH) (Yes,No)	DIAMETER @ BREST HEIGHT (DBH) (IN)	LOCATION (PUBLIC / PRIVATE)	REQUIRED TREE EASEMENT (YES / NO)	TREE TO BE REMOVED (YES / NO)	REQUIRED REPLACEMENT DBH (IN)
	TREE ID	FIELD TAG #	STA	OFFSET (FT)	SIDE	TREE SIZE & TYPE	STRUCTURAL ROOT PLATE RADIUS (FT)	CRITICAL ROOT ZONE RADIUS (FT)	EXISTING CRITICAL ROOT ZONE AREA (not included existing impervious area) (1) (SQ FT)	CONSTRUCTION AREA (2) (SQ FT)	NET CRITICAL ROOT ZONE AREA (3) = (1) - (2) (SQ FT)	% IMPACT TO CRITICAL ROOT ZONE (2) / (1) (%)	RECOMMENDATION (SAVED / LOST / DESTROYED)										
DELBRIDGE ST ELECTRIC AVE	136	967	142+48.1	21.0	RT	8"- ELM, <i>Ulmus americana</i>	5.5	8	201	14	187	7	SAVED	TREE IS LOCATED IN A PRIVATE PROPERTY AND SURROUNDED BY BRICK RETAINING WALL.	No	8"	Private		No				
	137	974	134+22.6	13.4	RT	24"- TBD Hardwood	9	24	1,810	201	1,609	12	DESTROYED	TREE IS COMPLETELY DEAD. TAGGED TOGETHER WITH 130 & 128 ARBORIST COMMENTS: Dead tree	Yes	25"	ROW/Private		Yes	12			
	138	974	134+25.9	9.0	RT	24"- TBD Hardwood	9	24	1,810	168	1,642	10	DESTROYED	TREE IS COMPLETELY DEAD. TAGGED TOGETHER WITH 130 & 137 ARBORIST COMMENTS: Dead tree	Yes	22"	ROW/Private		Yes	10			
																			TREE TO BE REMOVED =	8			
																			TOTAL TREE SIZE FOR REQUIRED REPLACEMENT DBH (IN) =		123		
																			REQUIRED TREE REMOVAL EASEMENT =	0			
																			TOTAL STANDARD RECOMPENSE =				

* Denotes Arborist Comments/Notes

TOTAL TREES, DESTROYED TREES NOT INCLUDED	49
TREES IMPACTED	11
TREES TO BE REMOVED/DESTROYED	8

Phase B_DDH Approval SR#ARB2085 on 1.17.19 P. Lewkowicz

	SUBMITTED: _____ PROJECT MANAGER: _____ DATE: _____	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY) DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____ APPROVED BY: _____		PLAT CARDS <table border="1"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>																									REVISIONS <table border="1"> <tr><th>REV.</th><th>DATE</th><th>BY</th><th>CHK.</th><th>APP.</th><th>DESCRIPTION</th></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>	REV.	DATE	BY	CHK.	APP.	DESCRIPTION																				UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS	TREE PROTECTION PLANS	FILE NAME: 7383112- BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19 CLIENT PROJECT NUMBER: FC-7383F DRAWING NUMBER: TP-107
REV.	DATE	BY	CHK.	APP.	DESCRIPTION																																																				
																																																									

Application for Tree Removal Permit

For Trees on Public Property

City of Atlanta, Office of Parks
City Hall East, 8th Floor
675 Ponce DeLeon Ave. NE
Atlanta, GA 30308
404.817.6744 Fax 404-817-6745

Lisheba Brown

404 546-6813

parkscustomerservice@atlantaga.gov

I, the undersigned, hereby make application to remove 3 tree(s), and if same is granted, agree to conform to the Atlanta Tree Ordinance adopted December 3, 2001. I understand that I will be responsible for removal of the tree stump.

Location/ address of tree Magnolia St., NW, Atlanta, GA

Applicant Teresa Eldredge on behalf of Benchmark - Upper Proctor

Address of Applicant 2985 Gordy Parkway #422 Marietta, GA Creek Phase

Telephone No. (770) 361-2319 Fax No. NA 30066

Name of Tree Service TJ Schell - Consulting Arborist (For Permit Submittal)

Address Same as above

Business License No. #121281 City/ County of Origin Cobb County

Telephone No. (770) 361-2319 Fax No. _____

Tree Species #1 - Redbud Tree Diameter (4.5 ft. above ground level) _____

Reason(s) for Tree Removal 9" DBH #2 - Redbud - 12" DBH #3 - Redbud - 11" DBH

Please include a sketch of tree(s) to be removed as well as replacement trees, if required

I am applying for a Tree Removal Permit from the City of Atlanta and I do attest by my signature that all of the above statements are true to the best of my knowledge.

Signature of Applicant [Signature]

Date 11.26.18

NOTE: Any Tree Removal Permit that is denied may be appealed to the Clerk of the Tree Conservation Commission within 15 days. A fee of \$75 shall be assessed to the applicant to defray administrative costs to the City. All replacement trees must survive at least one growing season and must be planted on or before the planting deadline to avoid penalty.

Section Below for Official Use Only

Approved () Denied () Tree Replacement Required Yes () No ()

No. of Trees _____ Caliper Size _____ Species _____ Planting Deadline _____
Paul Subasing 1/17/19
City Arborist Date Date posted

If denied, reason for denial _____

Revised 1/17/08

teresa@tjschell.com

JOB SITE: 147 WALNUT ST NW



Permit Number: BA-201905314

Date Issued: 12-Jul-2019

Issued By: John Bedson

Page 1 of 1

CITY OF ATLANTA - OFFICE OF BUILDINGS DEAD, DYING AND HAZARDOUS TREE REMOVAL

AR-DDH
Dead, Dying Or Hazardous

Individual / Company Name	Address / City, State Zip	State License
(APPLICANT) Steve Linley	404 364-5235	

Zoning	NPU	Council District	PCN
SPI-11 SA7	L	3	14 00830004115

Tree #	General Information	Comments
1	SPECIES: TREE SIZE: TREE LOCATION: CHARACTERISTICS AND/OR MARKINGS: DECISION (CODE SEC 158-26):	Ailanthus 18 Front center Tree has decay column in lower trunk and root flare. Approved

Comments

Inspector: John Bedson

NOT TRANSFERABLE

Except as otherwise stated, a permit for which no work is commenced within six months after issuance, or where the work commenced is suspended or abandoned for six months, shall expire, and fees paid shall be forfeited.

Permit Posting

Permits to remove, destroy, or injure trees shall be posted for public inspection on site [Sec. 158-101(c)].

Appeal Rights

A denial of a tree removal permit may be appealed to the Tree Conservation Commission. You may also apply to remove trees under the Landscape / Silviculture provisions of the Tree Protection ordinance. Call Kathy Evans at 404.330.6235 or email treecappeal@atlantaga.gov for instructions or forms.

ARB_DDHPermit_20170706.rpt

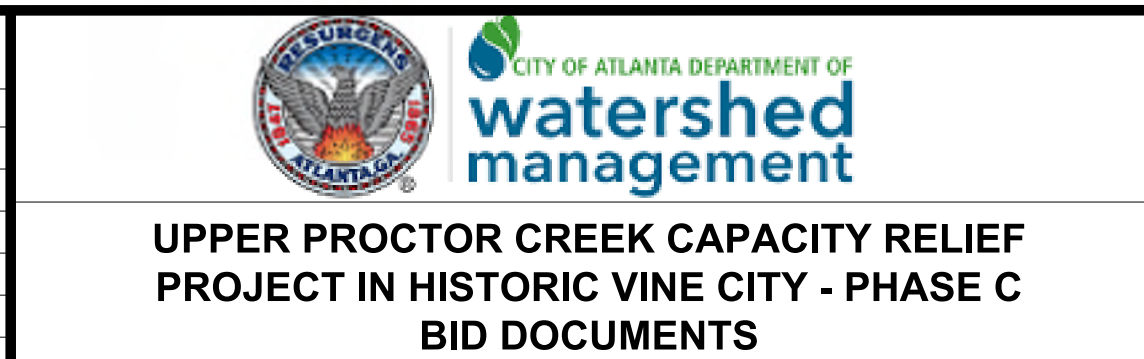
147 WALNUT ST NW -- BA-201905314



SUBMITTED: _____
PROJECT MANAGER
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
APPROVED BY: _____
DATE: _____



PLAT CARDS	REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION



TREE PROTECTION PLANS

FILE NAME 7383112-
BMMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER TP-108

JOB SITE: 155 WALNUT ST NW



Permit Number: BA-201905315

Date Issued: 12-Jul-2019

Issued By: John Bedson

Page 1 of 1

CITY OF ATLANTA - OFFICE OF BUILDINGS
DEAD, DYING AND HAZARDOUS TREE REMOVAL

AR-DDH
Dead, Dying Or Hazardous

Individual / Company Name	Address / City, State Zip	State License
(APPLICANT) Steve Linley	404 364-5235	

Zoning	NPU	Council District	PCN
SPI-11 SA7	L	3	14 00830004117

Tree #	General Information	Comments
1	SPECIES: TREE SIZE: TREE LOCATION: CHARACTERISTICS AND/OR MARKINGS: DECISION (CODE SEC 158-26):	Callery Pear 26 Front center Tree has multiple branch failures, poor pruning cuts and decline in canopy. Approved

Comments

Inspector: John Bedson

NOT TRANSFERABLE

Except as otherwise stated, a permit for which no work is commenced within six months after issuance, or where the work commenced is suspended or abandoned for six months, shall expire, and fees paid shall be forfeited.

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155 WALNUT ST NW -- BA-201905315

ARB_DDHPermit_20170706.rpt



SUBMITTED: _____
PROJECT MANAGER

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

CHECKED BY: _____

APPROVED BY: _____

DATE: _____



PLAT CARDS

REVISIONS

REV.	DATE	BY	CHK.	APP.	DESCRIPTION

CITY OF ATLANTA DEPARTMENT OF watershed management

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

TREE PROTECTION PLANS

FILE NAME 7383112-
BMMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER TP-109

EROSION SEDIMENTATION & POLLUTION PLANS

ENGINEER CERTIFICATION STATEMENTS:

"I CERTIFY THAT THE PERMITEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 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 100002."

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

GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION # 0000057064 DATE

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

Eskender Abebe
Level II Certified Design Professional

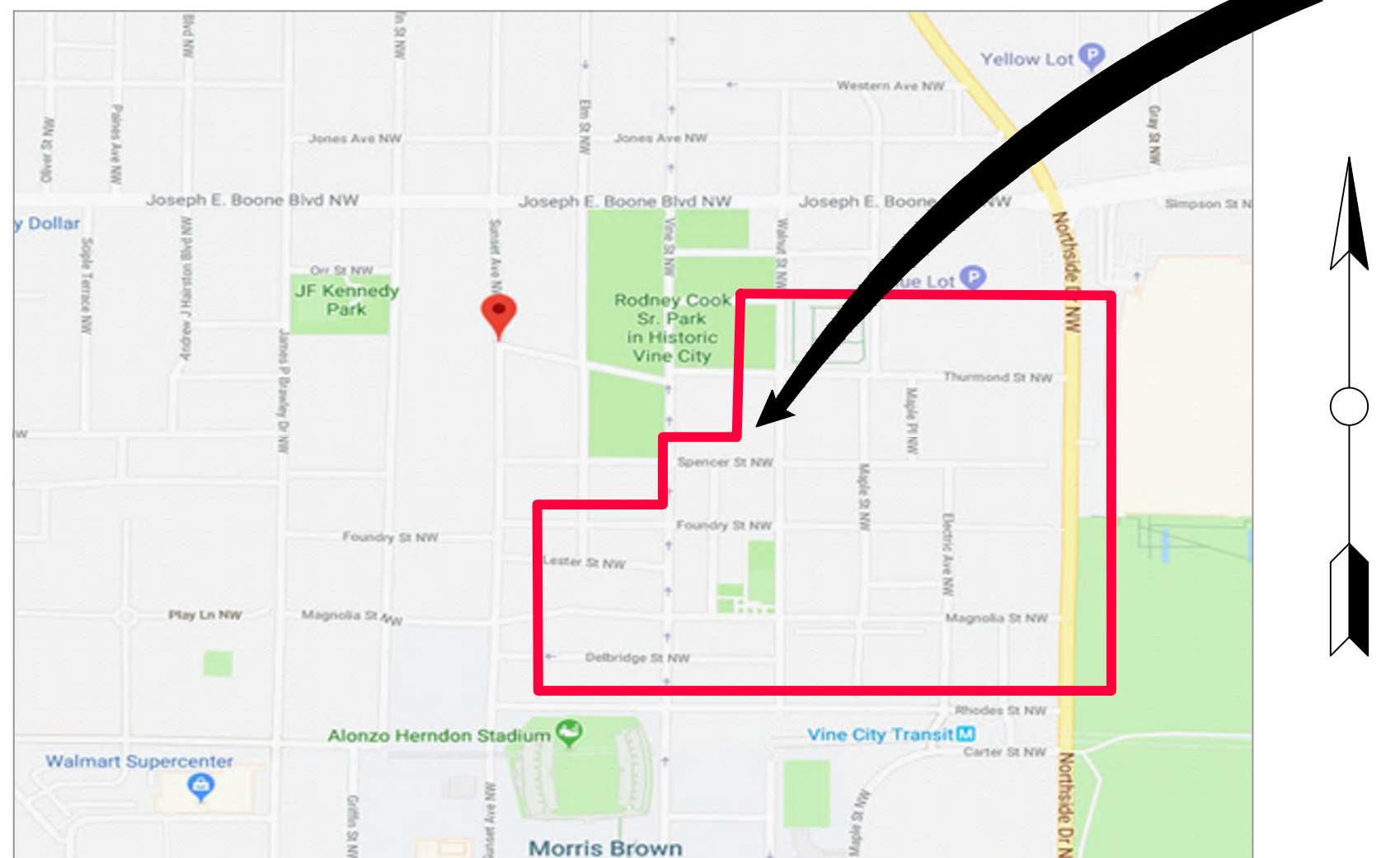
CERTIFICATION NUMBER 0000057064
ISSUED: 08/01/2019 EXPIRES: 08/01/2022

SITE DATA:

TOTAL SITE = 1.98 ACRES
DISTURBED = 1.13ACRES

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE ATLANTA, GA 30314

DATE: 11/14/2019



STANDARD EROSION CONTROL NOTES:

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.

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.

PRIOR TO LAND-DISTURBING ACTIVITIES, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA EROSION CONTROL INSPECTOR. CALL (404) 546-1300 TO CONTACT THE INSPECTOR.

ANY DISTURBED AREA LEFT IDLE FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING; DISTURBED AREAS IDLE 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST WEEKLY, AFTER EACH RAIN, AND REPAIRED AS NECESSARY.

ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.

SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171 - TYPE C TEMPORARY SILT FENCE, OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (QUALIFIED PRODUCTS LIST #36) AND BE WIRE REINFORCED.

A HAUL ROUTE PERMIT IS REQUIRED WHEN MORE THAN 500 CUBIC YARDS OF HAULED VOLUME TO OR FROM THE SITE. PLANS MUST INCLUDE A STATEMENT INDICATING WHETHER OR NOT A HAUL ROUTE PERMIT IS REQUIRED.

PRIMARY PERMITEE:

NAME: CONTRACTOR
ADDRESS: TBD
PHONE #: TBD

General Construction Schedule

Appr. Start Date June 2020 - Appr. End Date May 2021

	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21
Install Initial BMP and Tree Protection Fence on Walnut Street, Magnolia Street, Maple Street and Electric Avenue												
Sawcut Asphalt Pavement and Install 84" Diameter Tunnel on Walnut Street From Sta. 3+00 to 7+25												
Sawcut and Install Storm Pipe and Inlets on Walnut Street												
Sawcut and Install Storm Pipe and Inlets on Magnolia Street												
Sawcut and Install Storm Pipe and Inlets on Maple Street and Electric Avenue												
Trench Paving and Install Curbing, Sidewalk, and Seed Disturbed Areas												
Install Final Paving, Pavement Marking, Remove Inlet Sediment Trap and Silt Fence.												

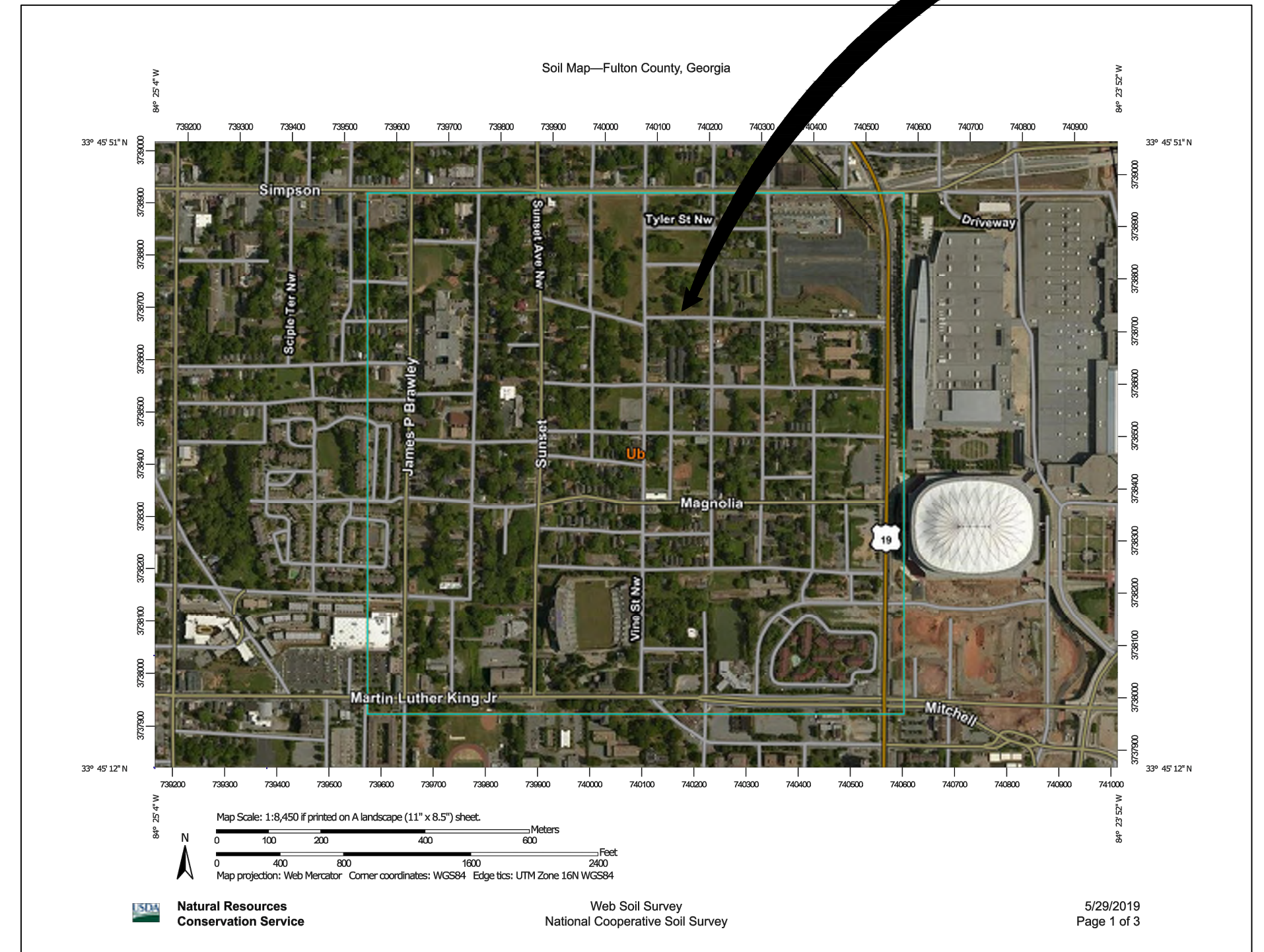
* SEDIMENT AND EROSION CONTROL MEASURES TO BE INSPECTED DAILY. MAINTAIN BMP'S THROUGHOUT LAND DISTURBANCE ACTIVITY.

24 HOUR EROSION CONTROL CONTACT:

NAME: JONATHAN WALKER
ADDRESS: 72 MARIETTA STREET NW
ATLANTA, GA 30303
PHONE #: (678)-614-9490

PRIOR TO THE DEDICATION AND ACCEPTANCE OF SANITARY SEWER, STORM SEWER, OR STREET INFRASTRUCTURE TO THE CITY OF ATLANTA, "AS BUILT" DRAWINGS AND 3-YEAR MAINTENANCE BONDS ARE REQUIRED. THE STREET CONSTRUCTION SHALL DEMONSTRATE ADEQUATE COMPACTION WITH PROFESSIONAL TESTING AND REPORTS PREPARED BY A GEORGIA REGISTERED PROFESSIONAL CIVIL ENGINEER. THE SANITARY SEWER INSTALLATION SHALL INCLUDE AN INTERNAL TELEVISION INSPECTION, A SUCCESSFUL MANDREL PULL, AND A SUCCESSFUL LEAK-DOWN PRESSURE TEST.

Sampling at Outfall



FILE C:\USERS\JOSEPH\Desktop\UPC - NON-DESIGN SHEET.DWG, SAVER BY: JOSEPH N. SAVER DATE: 11/15/2019 8:50 PM

Benchmark Management wsp

BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-8666
FAX: (404) 581-0158

SUBMITTED: PROJECT MANAGER DATE: 11/15/2019

DESIGNED BY: TJ

APPROVED: DRAWN BY: TJ CHECKED BY: RC DATE:

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

APPROVED BY: EA

PLAT CARDS

52	675	111
112	945	

REVISIONS

REV.	DATE	BY	CHK.	APP.	DESCRIPTION

WATERSHED management

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

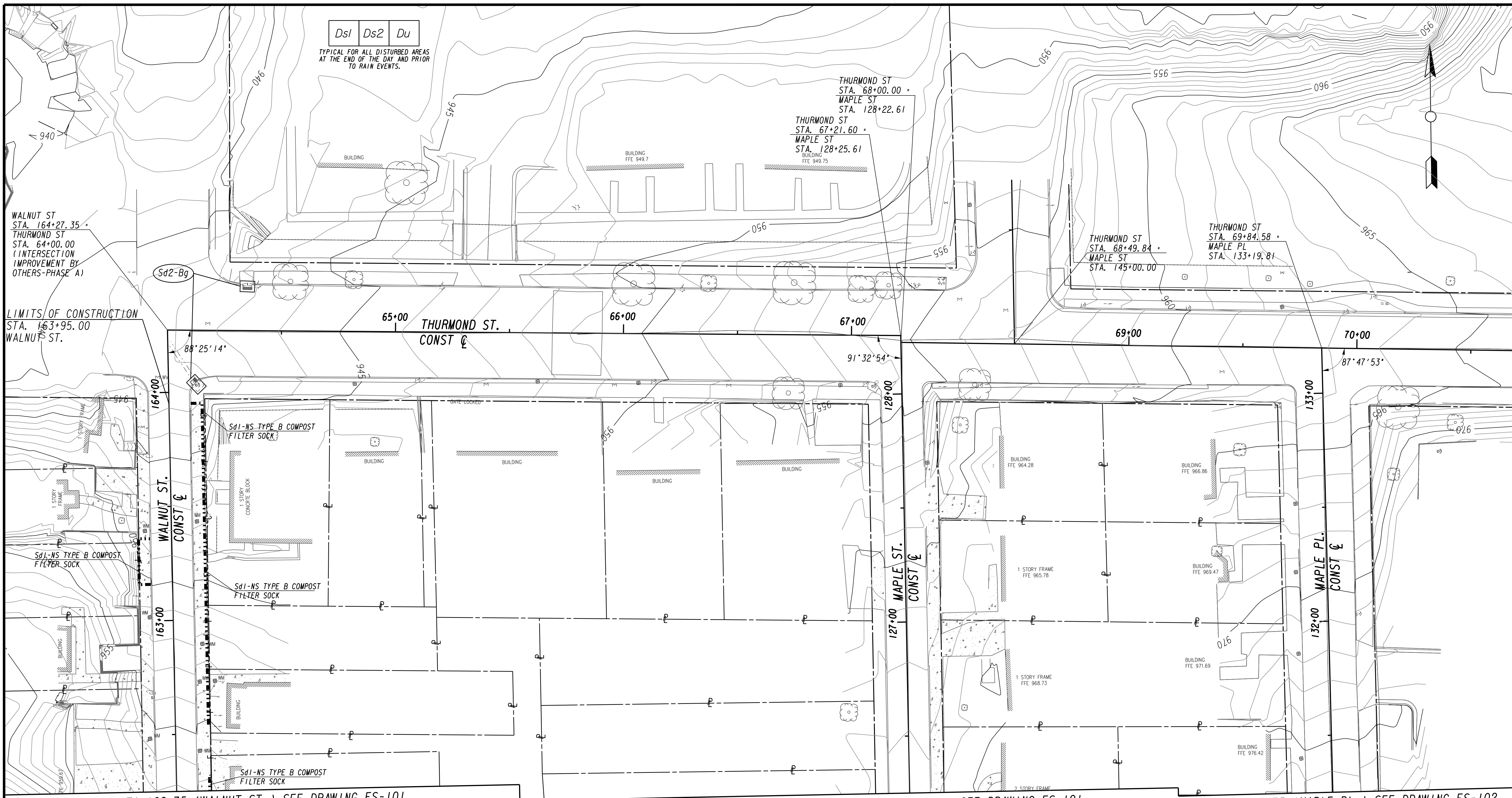
EROSION AND SEDIMENTATION CONTROL COVER SHEET

FILE NAME: UPC 100% PH C - NON-DESIGN SHEET.DWG

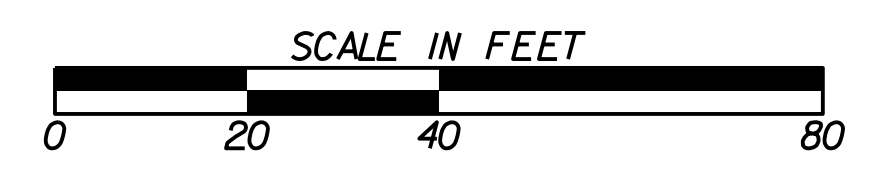
BMMLLC PROJECT NUMBER: 3089 A/E

CLIENT PROJECT NUMBER: ---

DRAWING NUMBER: ES-000



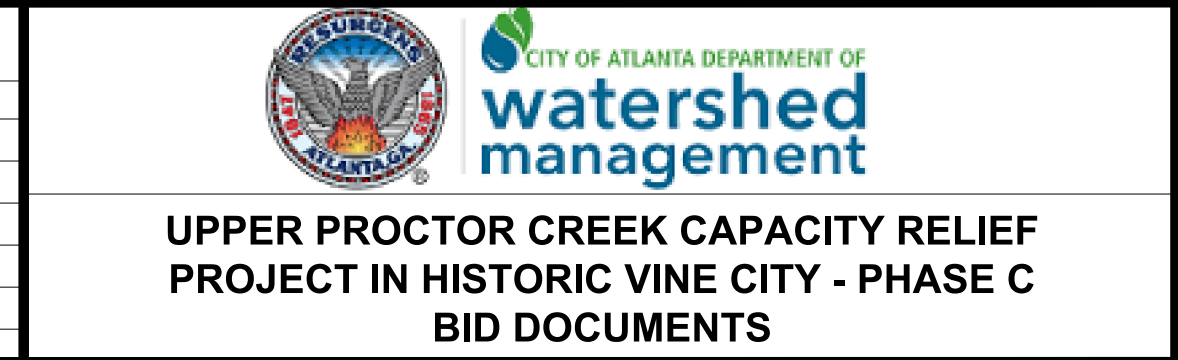
Erosion control measures displayed on Drawings ES-100 - ES-105 show all devices that will eventually be installed in the initial phase of the project's construction. Contractor shall install devices based upon the construction sequence outlined in Drawings RSD-100 - RSD-108. Drainage devices upstream of construction activities shall remain unprotected for as long as feasibly possible. Inlet protection on downstream drainage structures may be removed after it is determined that sediment from the current construction area will not reach the drainage structure.



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____



PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	



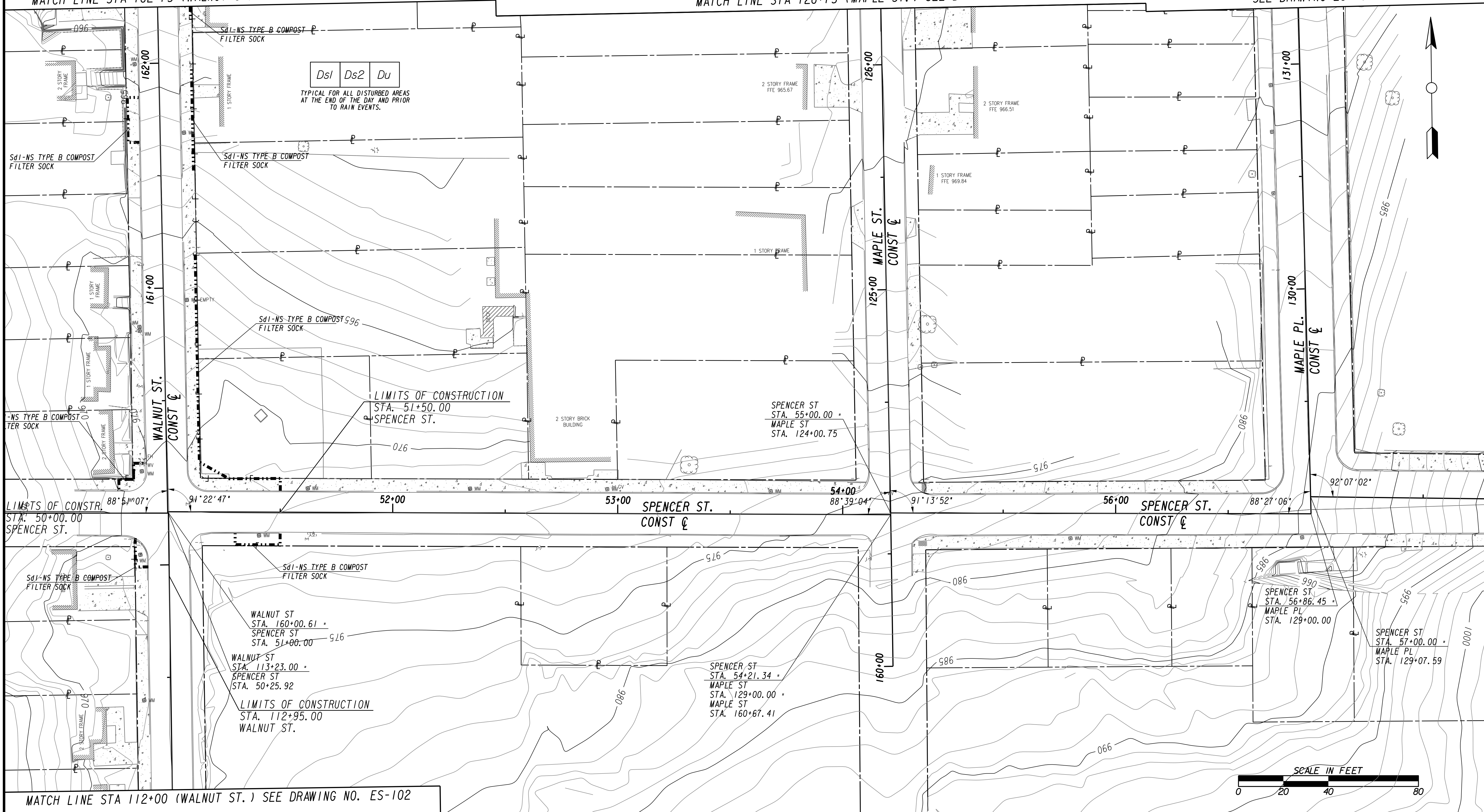
BMP LOCATION DETAILS
INITIAL BMPs

FILE NAME: 7383112-
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **ES-100**

MATCH LINE STA 162+75 (WALNUT ST.) SEE DRAWING ES-100

MATCH LINE STA 126+75 (MAPLE ST.) SEE DRAWING ES-100

MATCH LINE STA 131+75 (MAPLE PL.) SEE DRAWING ES-100



MATCH LINE STA 112+00 (WALNUT ST.) SEE DRAWING NO. ES-102



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____



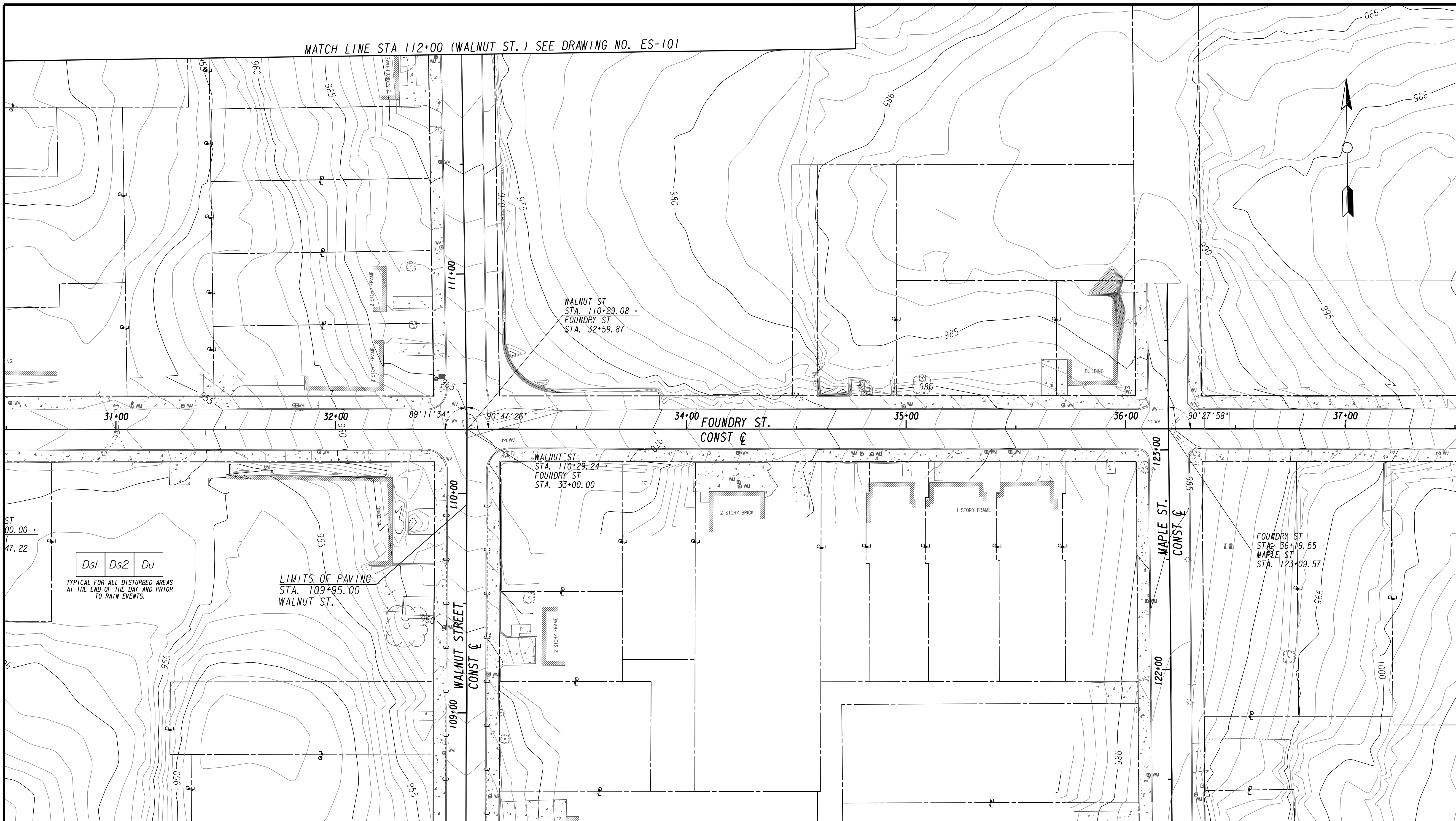
PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

CITY OF ATLANTA DEPARTMENT OF watershed management
 UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

BMP LOCATION DETAILS INITIAL BMPs

FILE NAME: 7383112-
 BMMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **ES-101**

MATCH LINE STA 112+00 (WALNUT ST.) SEE DRAWING NO. ES-101



Ds1 Ds2 Du
TYPICAL FOR ALL DISTURBED AREAS AT THE END OF THE DAY AND PRIOR TO RAIN EVENTS.

LIMITS OF PAVING
STA. 109+95.00
WALNUT ST.



MATCH LINE STA. 108+50 (WALNUT ST.) SEE DRAWING No. ES-103

Benchmark Management
wsp
BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
SUBMITTED: PROJECT MANAGER
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
APPROVED BY: _____
DATE: _____



PLAT CARDS

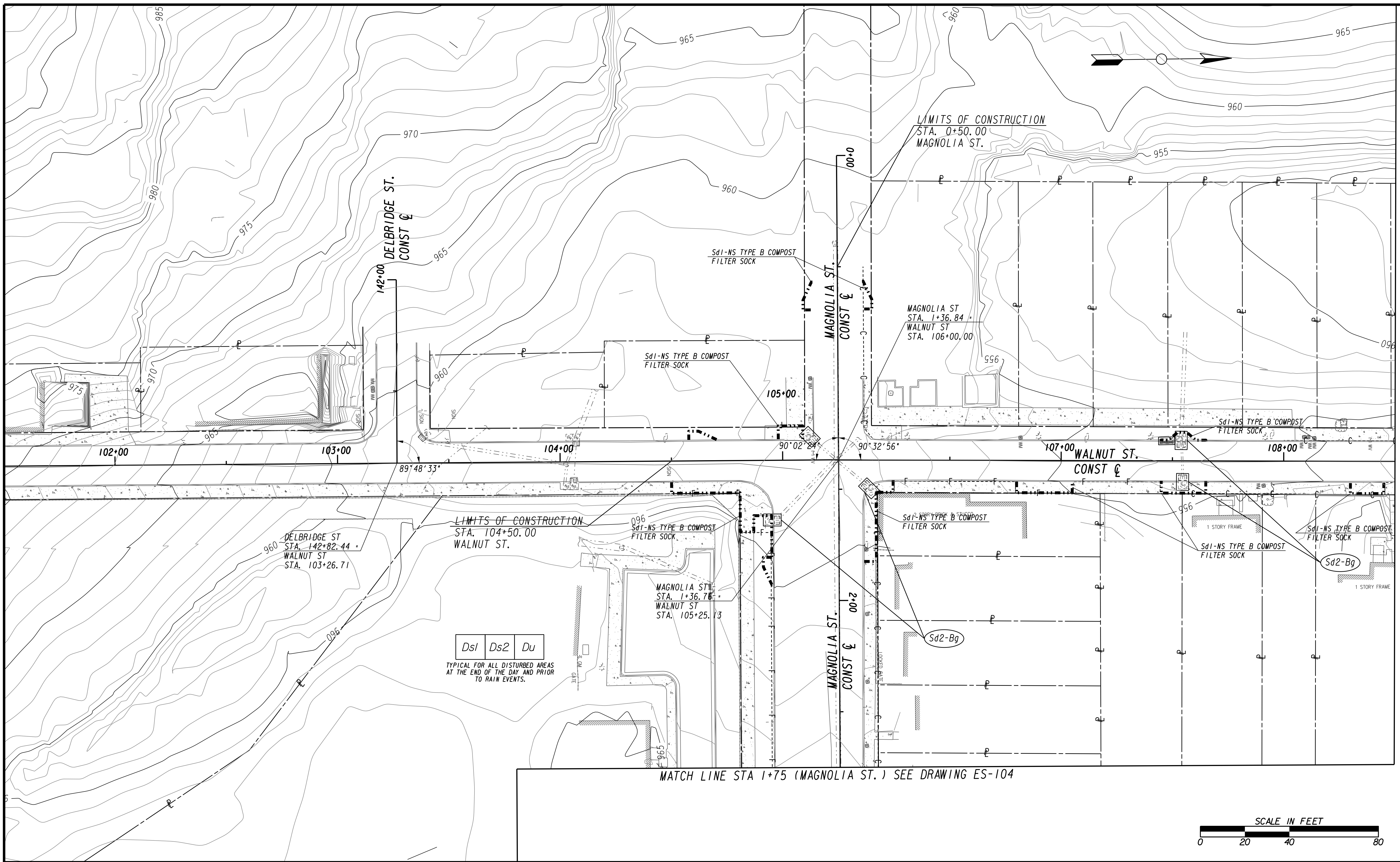
REVISIONS

REV.	DATE	BY	CHK.	APP.	DESCRIPTION

CITY OF ATLANTA DEPARTMENT OF watershed management
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

BMP LOCATION DETAILS INITIAL BMPs

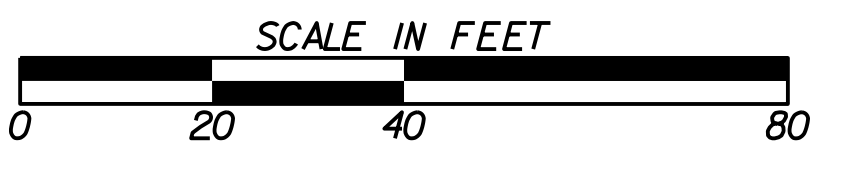
FILE NAME: 7383112-
BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER: FC-7383F
DRAWING NUMBER: **ES-102**



MATCH LINE STA. 108+50 (WALNUT ST.) SEE DRAWING No. ES-102

MATCH LINE STA 1+75 (MAGNOLIA ST.) SEE DRAWING ES-104

Ds1 Ds2 Du
 TYPICAL FOR ALL DISTURBED AREAS
 AT THE END OF THE DAY AND PRIOR
 TO RAIN EVENTS.



Benchmark Management
 WSP
 BENCHMARK MANAGEMENT LLC
 100 PEACHTREE STREET
 SUITE 1900
 ATLANTA, GA 30303
 TEL: (404) 581-9656
 FAX: (404) 581-0158

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
PROJECT MANAGER	DESIGNED BY:
DATE:	DRAWN BY:
APPROVED:	CHECKED BY:
DATE:	APPROVED BY:



PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

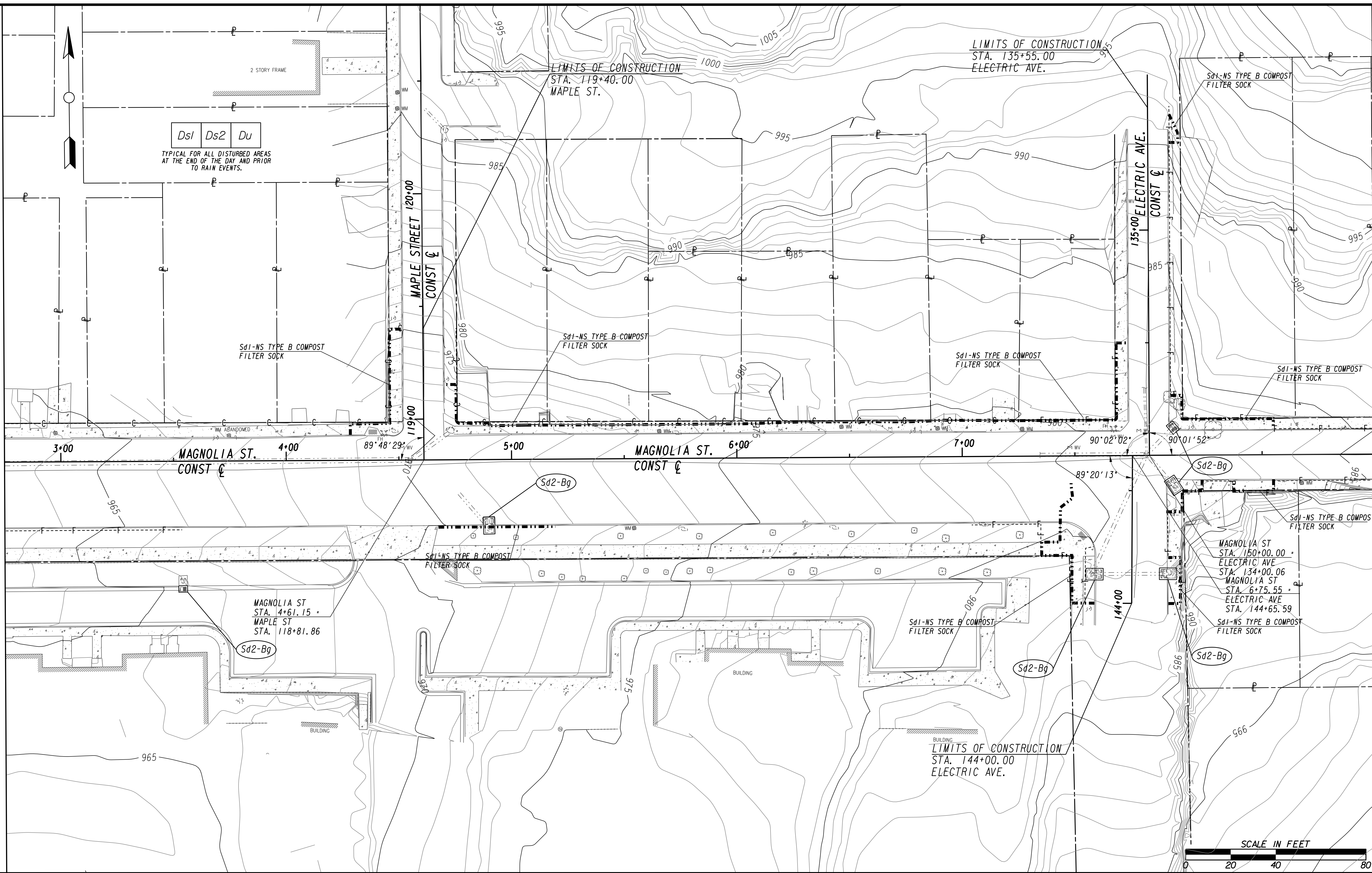
CITY OF ATLANTA DEPARTMENT OF watershed management
 UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

**BMP LOCATION DETAILS
 INITIAL BMPs**

FILE NAME 7383112-
BIMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER ES-103

MATCH LINE STA 1+75 (MAGNOLIA ST.) SEE DRAWING ES-103

MATCH LINE STA 151+00 (MAGNOLIA ST.) SEE DRAWING ES-105



Benchmark Management
 BENCHMARK MANAGEMENT LLC
 100 PEACHTREE STREET
 SUITE 1900
 ATLANTA, GA 30303
 TEL: (404) 581-9656
 FAX: (404) 581-0158

SUBMITTED: _____
 PROJECT MANAGER

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

CHECKED BY: _____

APPROVED BY: _____

DATE: _____



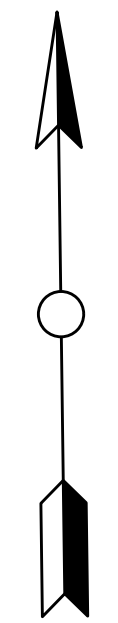
PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

CITY OF ATLANTA DEPARTMENT OF watershed management

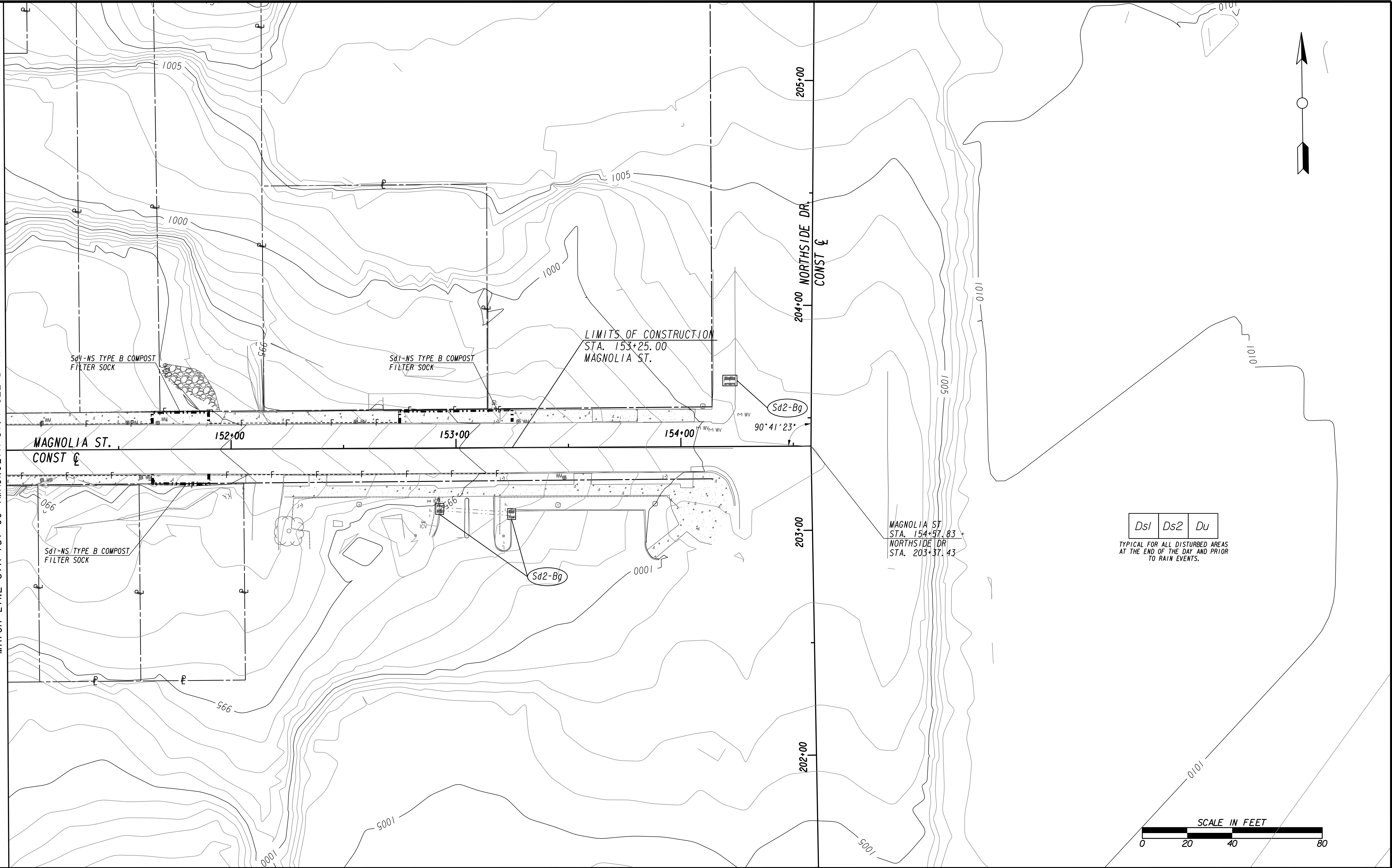
UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

**BMP LOCATION DETAILS
 INITIAL BMPs**

FILE NAME: 7383112-
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **ES-104**



MATCH LINE STA 151+00 (MAGNOLIA ST.) SEE DRAWING ES-104

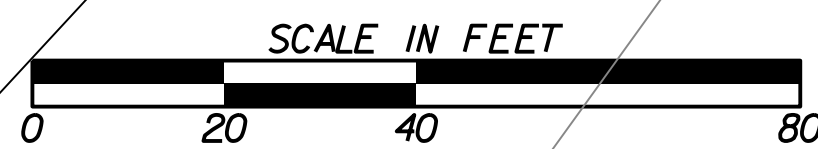


Dsl

Ds2

Du

TYPICAL FOR ALL DISTURBED AREAS
AT THE END OF THE DAY AND PRIOR
TO RAIN EVENTS.



Benchmark Management
wsp

BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

SUBMITTED: _____ PROJECT MANAGER DATE: _____ APPROVED: _____ DATE: _____	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY) DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____ APPROVED BY: _____
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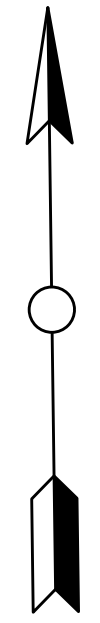
PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

**UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS**

BMP LOCATION DETAILS INITIAL BMPs

FILE NAME 7383112- BMLLC PROJECT NUMBER 3089 A/E T.O. # 19 CLIENT PROJECT NUMBER FC-7383F DRAWING NUMBER ES-105

Ds1 Ds2 Du
 TYPICAL FOR ALL DISTURBED AREAS
 AT THE END OF THE DAY AND PRIOR
 TO RAIN EVENTS.



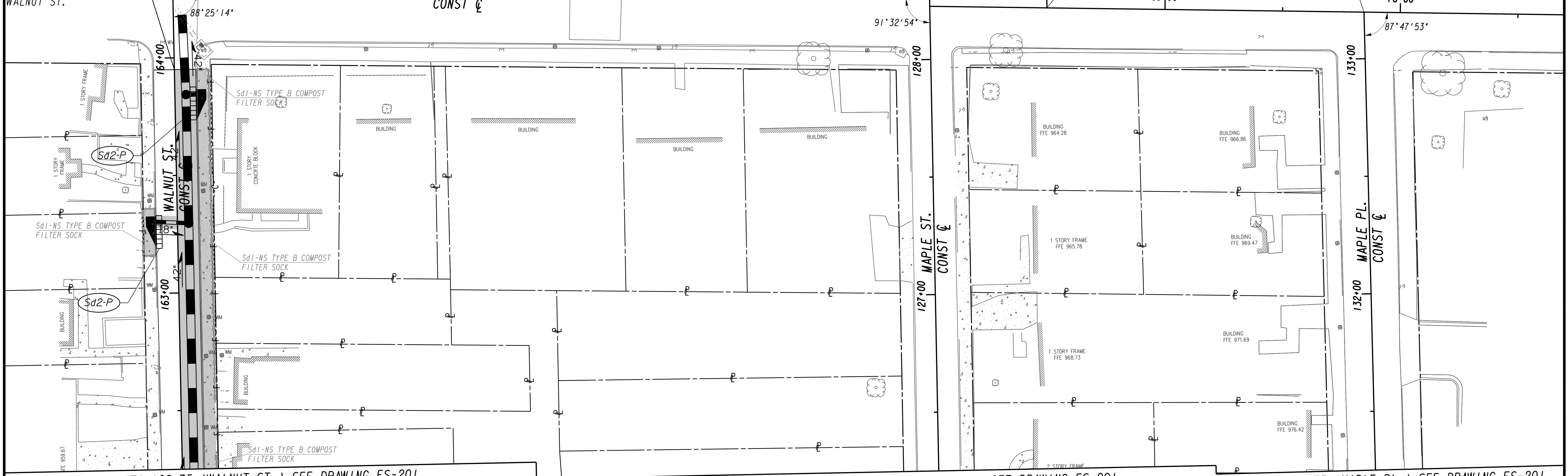
WALNUT ST
 STA. 164+27.35 +
 THURMOND ST
 STA. 64+00.00
 (INTERSECTION
 IMPROVEMENT BY
 OTHERS-PHASE A)

LIMITS OF CONSTRUCTION
 STA. 163+95.00
 WALNUT ST.

THURMOND ST
 STA. 68+00.00 +
 MAPLE ST
 STA. 128+22.61
 THURMOND ST
 STA. 67+21.60 +
 MAPLE ST
 STA. 128+25.61

THURMOND ST
 STA. 68+49.84 +
 MAPLE ST
 STA. 145+00.00

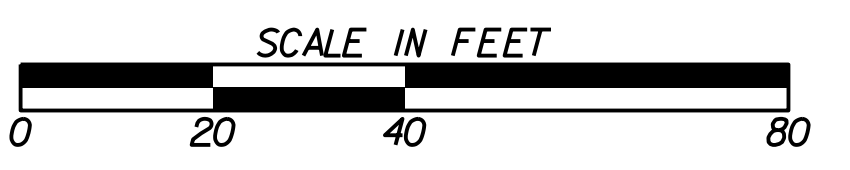
THURMOND ST
 STA. 69+84.58 +
 MAPLE PL
 STA. 133+19.81



MATCH LINE STA 162+75 (WALNUT ST.) SEE DRAWING ES-201

MATCH LINE STA 126+75 (MAPLE ST.) SEE DRAWING ES-201

MATCH LINE STA 131+75 (MAPLE PL.) SEE DRAWING ES-201



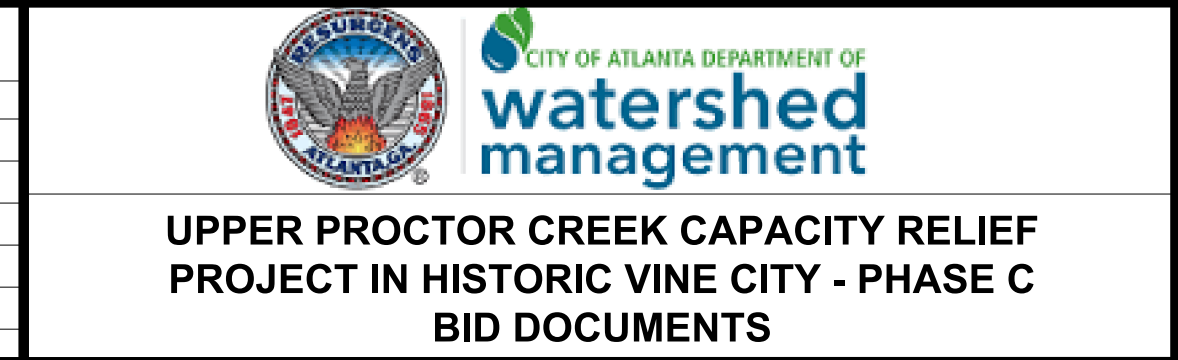
Erosion control measures displayed on Drawings ES-200 - ES-205 show all devices that will eventually be installed in the intermediate phase of the project's construction. Contractor shall install devices based upon the construction sequence outlined in Drawings RSD-100 - RSD-108. Inlet protection on downstream drainage structures may be removed after it is determined that sediment from the current construction area will not reach the drainage structure.



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____



PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	



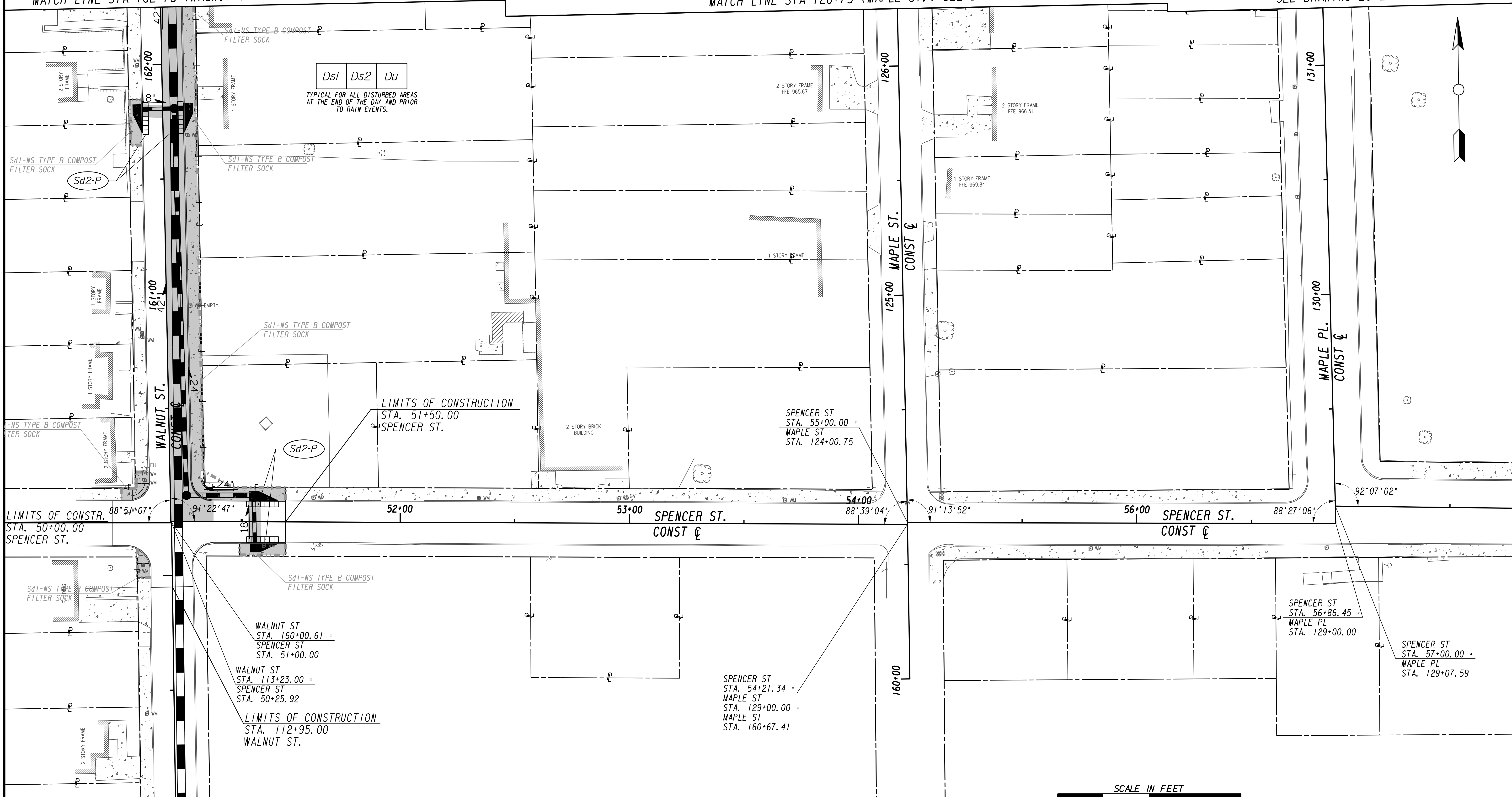
**BMP LOCATION DETAILS
 INTERMEDIATE BMPs**

FILE NAME
 7383112-
 BMLLC PROJECT NUMBER
 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER
 FC-7383F
 DRAWING NUMBER
ES-200

MATCH LINE STA 162+75 (WALNUT ST.) SEE DRAWING ES-200

MATCH LINE STA 126+75 (MAPLE ST.) SEE DRAWING ES-200

MATCH LINE STA 131+75 (MAPLE PL.) SEE DRAWING ES-200



MATCH LINE STA 112+00 (WALNUT ST.) SEE DRAWING NO. ES-202



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED: _____
 DATE: _____
 APPROVED BY: _____



PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

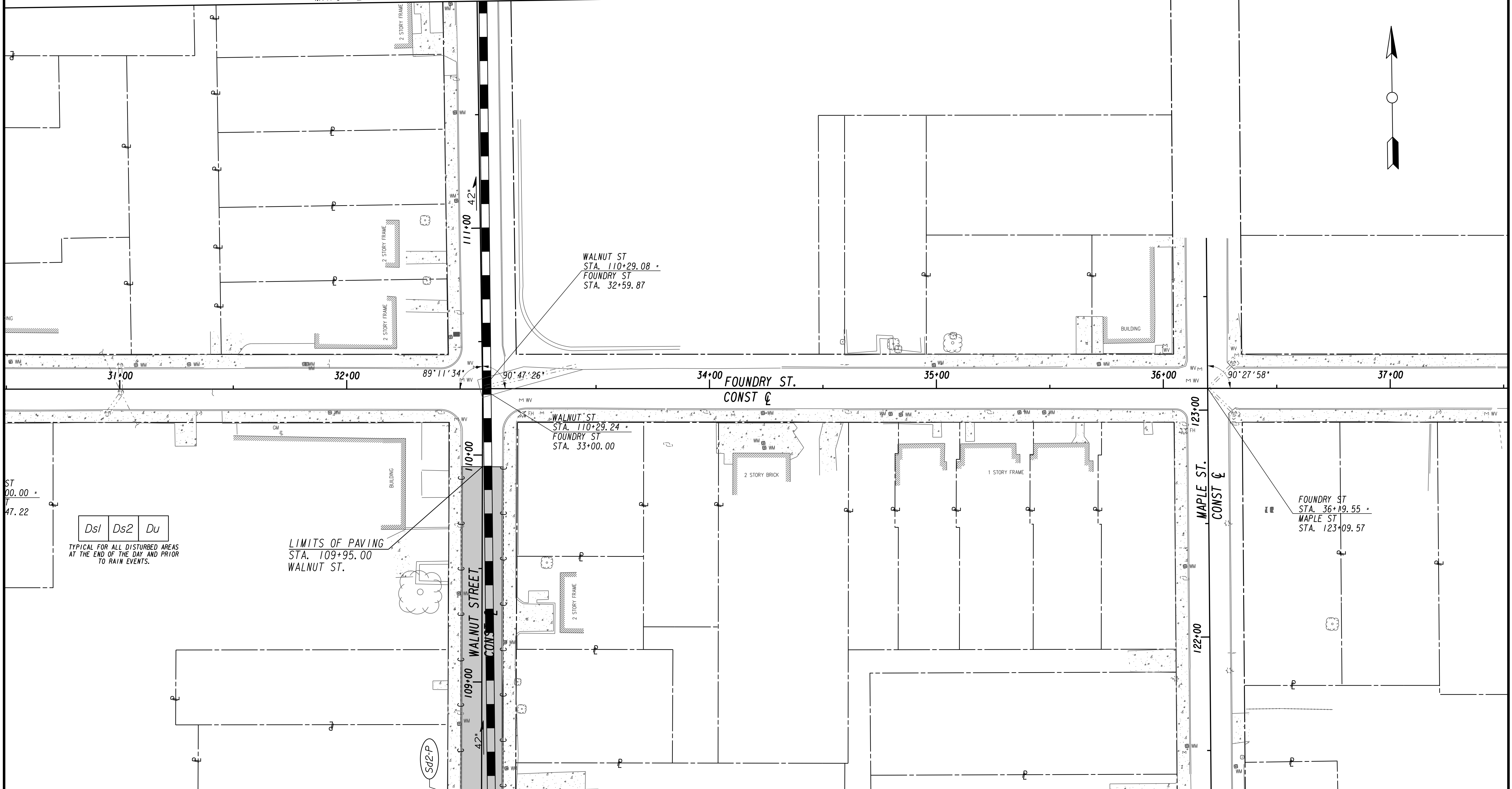
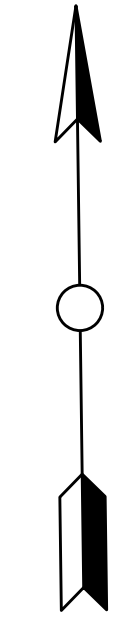
CITY OF ATLANTA DEPARTMENT OF watershed management

UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS

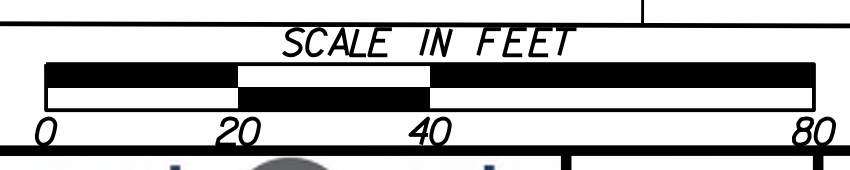
BMP LOCATION DETAILS INTERMEDIATE BMPs

FILE NAME: 7383112-
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **ES-201**

MATCH LINE STA 112+00 (WALNUT ST.) SEE DRAWING NO. ES-201



MATCH LINE STA. 108+50 (WALNUT ST.) SEE DRAWING No. ES-203



LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED BY: _____

DRAWN BY: _____

CHECKED BY: _____

APPROVED BY: _____

DATE: _____



PLAT CARDS

REV.	DATE	BY	CHK.	APP.	DESCRIPTION

REVISIONS

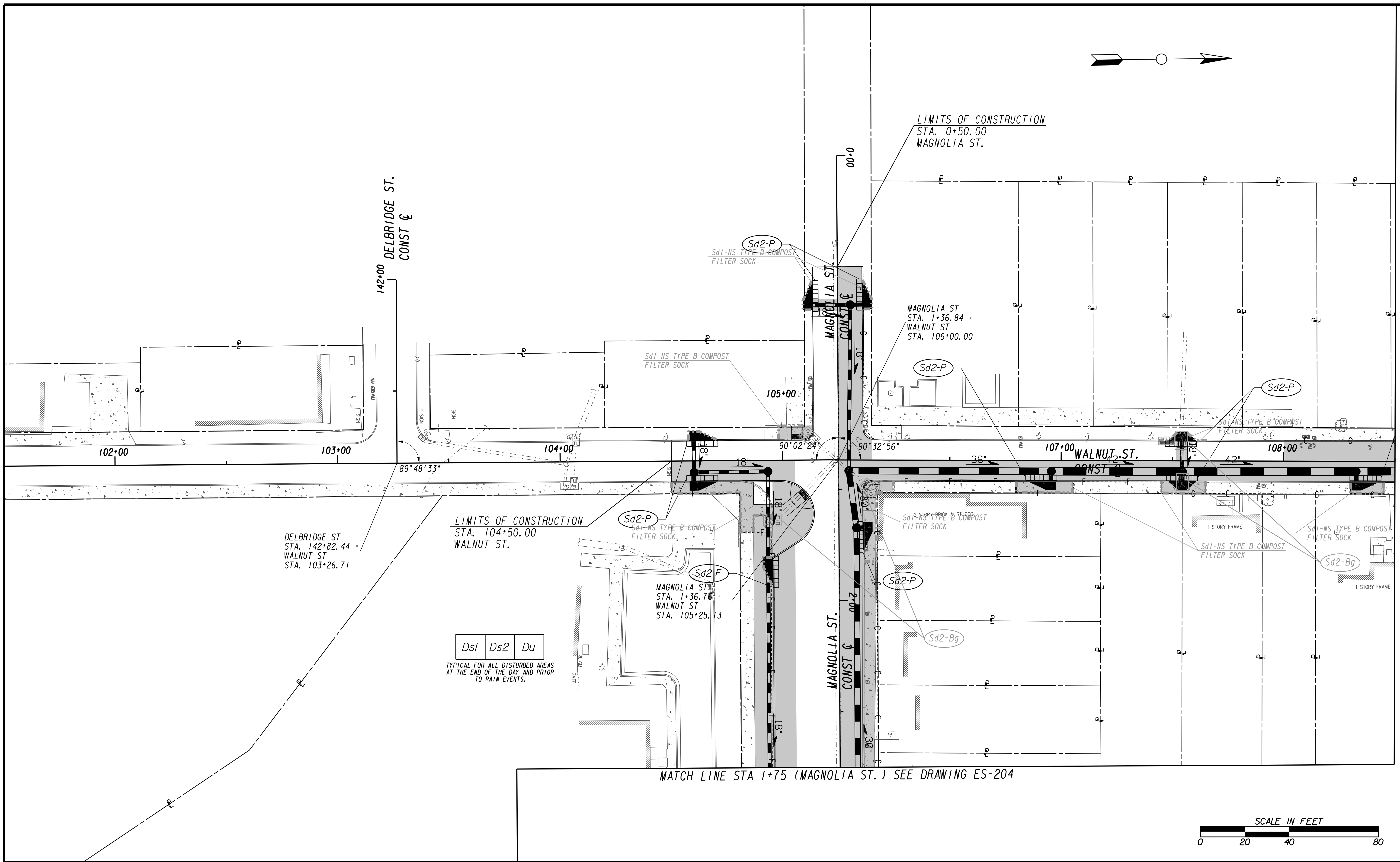
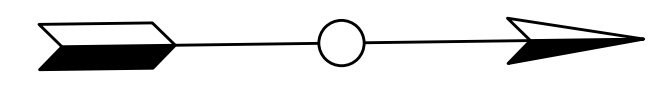
REV.	DATE	BY	CHK.	APP.	DESCRIPTION



UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

**BMP LOCATION DETAILS
INTERMEDIATE BMPs**

FILE NAME 7383112-
BMMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER ES-202



Ds1 Ds2 Du
TYPICAL FOR ALL DISTURBED AREAS AT THE END OF THE DAY AND PRIOR TO RAIN EVENTS.

Benchmark Management
wsp

BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
PROJECT MANAGER	DESIGNED BY:
DATE:	DRAWN BY:
APPROVED:	CHECKED BY:
DATE:	APPROVED BY:



PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

CITY OF ATLANTA DEPARTMENT OF watershed management

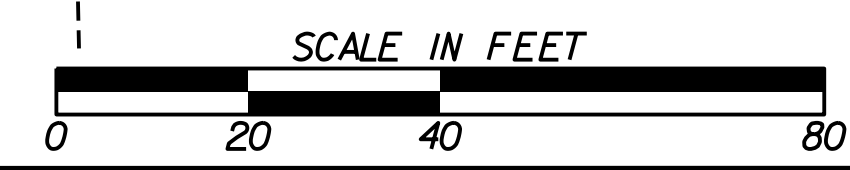
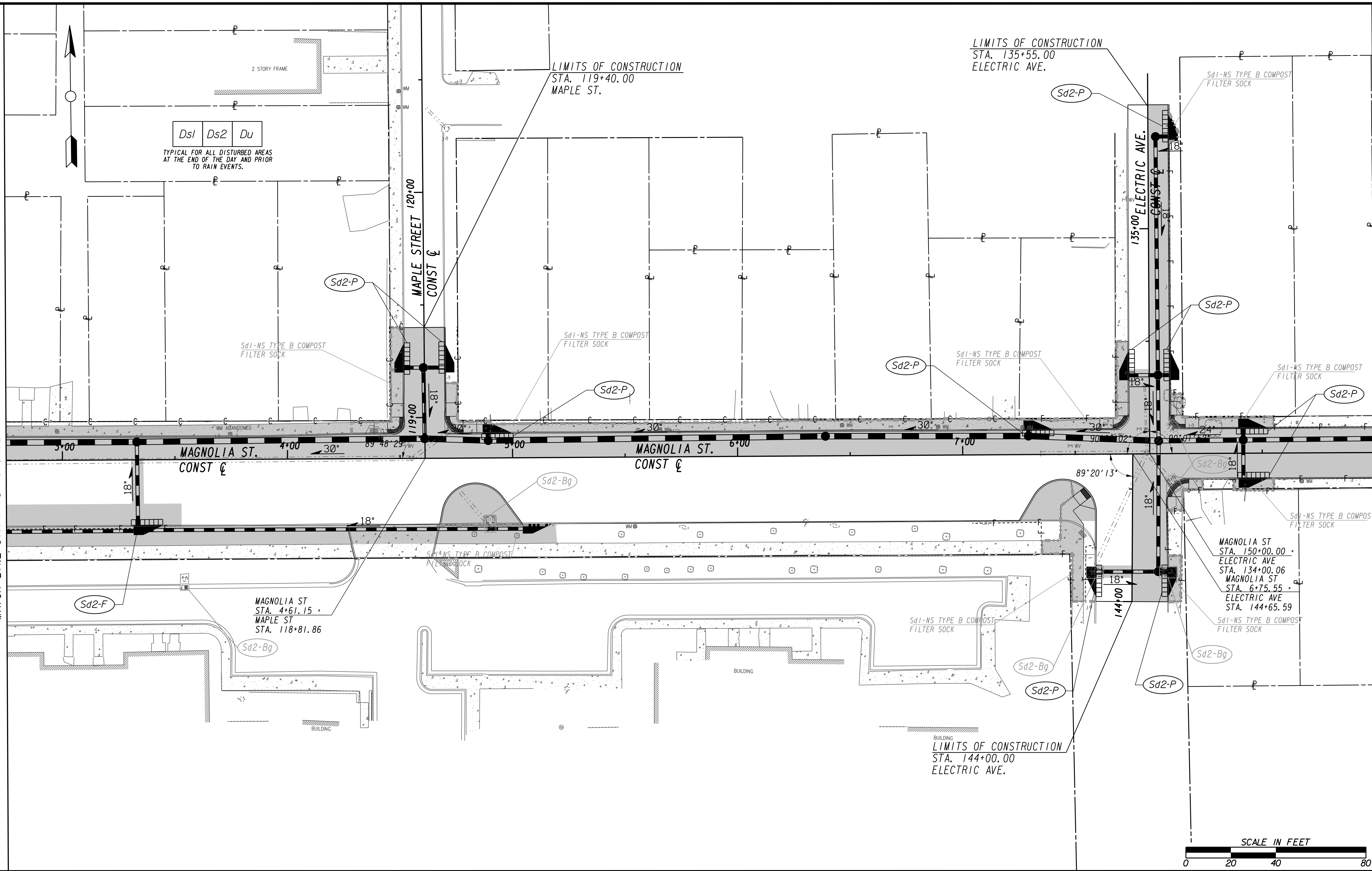
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

BMP LOCATION DETAILS INTERMEDIATE BMPs

FILE NAME 7383112-
BIMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER ES-203

MATCH LINE STA 1+75 (MAGNOLIA ST.) SEE DRAWING ES-203

MATCH LINE STA 151+00 (MAGNOLIA ST.) SEE DRAWING ES-205



Benchmark Management
wsp
BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

PROJECT MANAGER: _____
DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
APPROVED BY: _____

DATE: _____



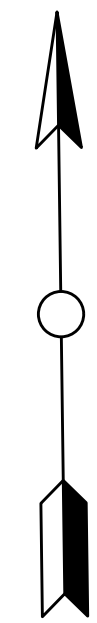
PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

CITY OF ATLANTA DEPARTMENT OF watershed management

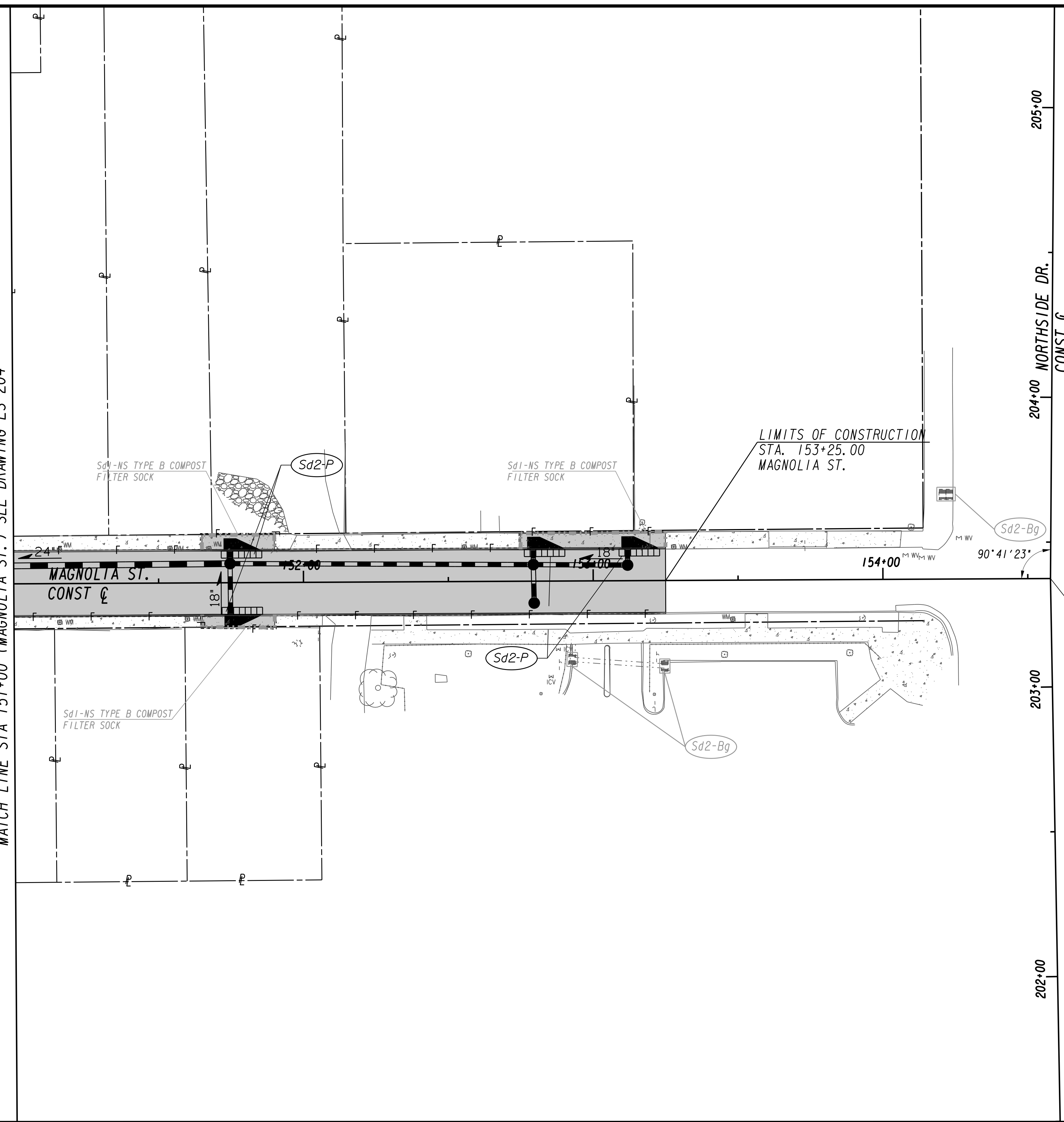
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

**BMP LOCATION DETAILS
INTERMEDIATE BMPs**

FILE NAME: 7383112-
BIMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER: FC-7383F
DRAWING NUMBER: **ES-204**



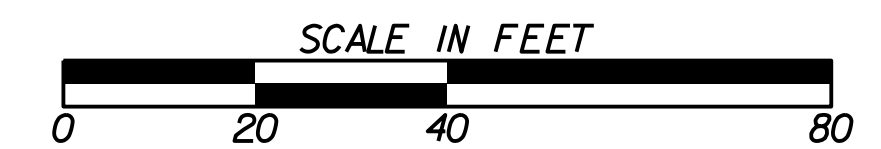
MATCH LINE STA 151+00 (MAGNOLIA ST.) SEE DRAWING ES-204



MAGNOLIA ST
STA. 154+57.83
NORTHSIDE DR
STA. 203+37.43

Ds1	Ds2	Du
-----	-----	----

TYPICAL FOR ALL DISTURBED AREAS
AT THE END OF THE DAY AND PRIOR
TO RAIN EVENTS.



Benchmark Management
wsp

BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

LINE IS 2 INCHES
AT FULL SIZE
(IF NOT 2" - SCALE ACCORDINGLY)

SUBMITTED: _____
PROJECT MANAGER

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

CHECKED BY: _____

APPROVED BY: _____

APPROVED: _____

DATE: _____



PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

CITY OF ATLANTA DEPARTMENT OF watershed management

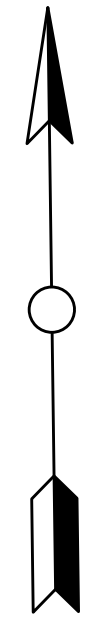
UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS

BMP LOCATION DETAILS INTERMEDIATE BMPs

FILE NAME 7383112-
BMMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER ES-205

Ds3 Du

TYPICAL FOR ALL DISTURBED AREAS
AT THE END OF THE DAY AND PRIOR
TO RAIN EVENTS.



WALNUT ST
STA. 164+27.35 +
THURMOND ST
STA. 64+00.00
(INTERSECTION
IMPROVEMENT BY
OTHERS-PHASE A)

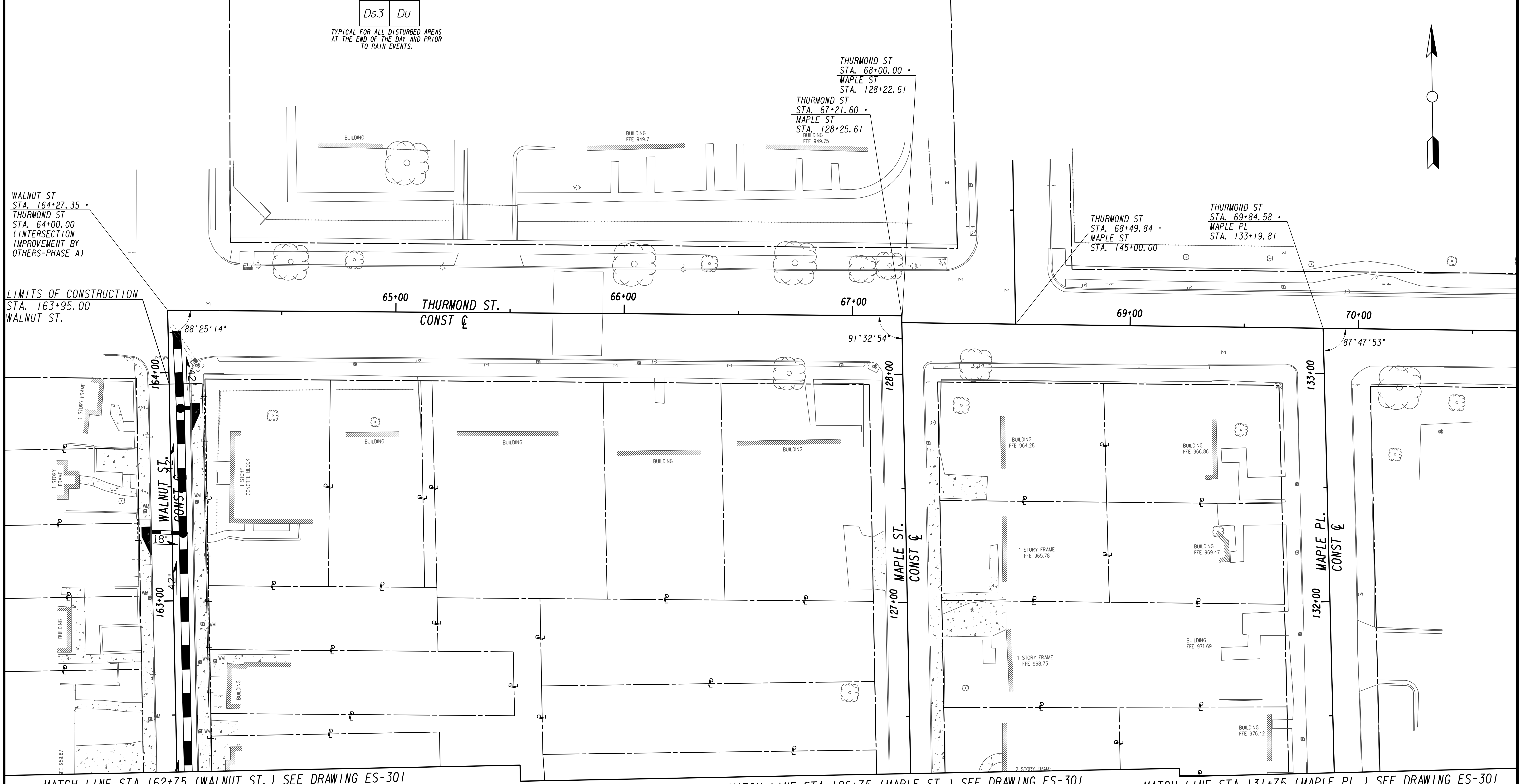
THURMOND ST
STA. 68+00.00 +
MAPLE ST
STA. 128+22.61

THURMOND ST
STA. 67+21.60 +
MAPLE ST
STA. 128+25.61
BUILDING
FFE 949.75

THURMOND ST
STA. 68+49.84 +
MAPLE ST
STA. 145+00.00

THURMOND ST
STA. 69+84.58 +
MAPLE PL
STA. 133+19.81

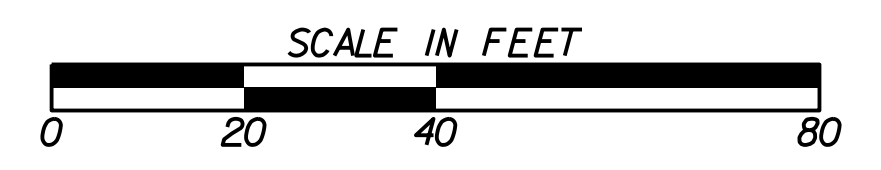
LIMITS OF CONSTRUCTION
STA. 163+95.00
WALNUT ST.



MATCH LINE STA 162+75 (WALNUT ST.) SEE DRAWING ES-301

MATCH LINE STA 126+75 (MAPLE ST.) SEE DRAWING ES-301

MATCH LINE STA 131+75 (MAPLE PL.) SEE DRAWING ES-301



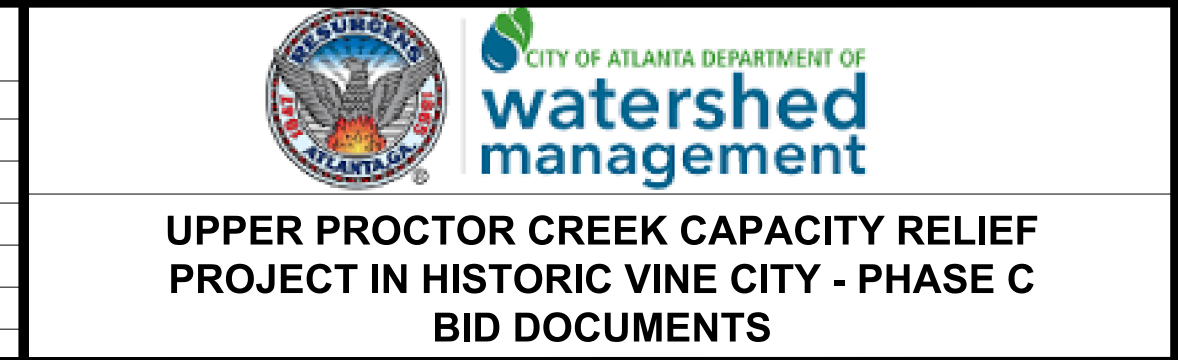
Erosion control measures displayed on Drawings ES-300 - ES-305 show all devices that will eventually be installed in the final phase of the project's construction. Contractor shall install devices based upon the construction sequence outlined in Drawings RSD-100 - RSD-108. Inlet protection on downstream drainage structures may be removed after it is determined that sediment from the current construction area will not reach the drainage structure.



SUBMITTED: _____
PROJECT MANAGER
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
APPROVED BY: _____
DATE: _____



PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	



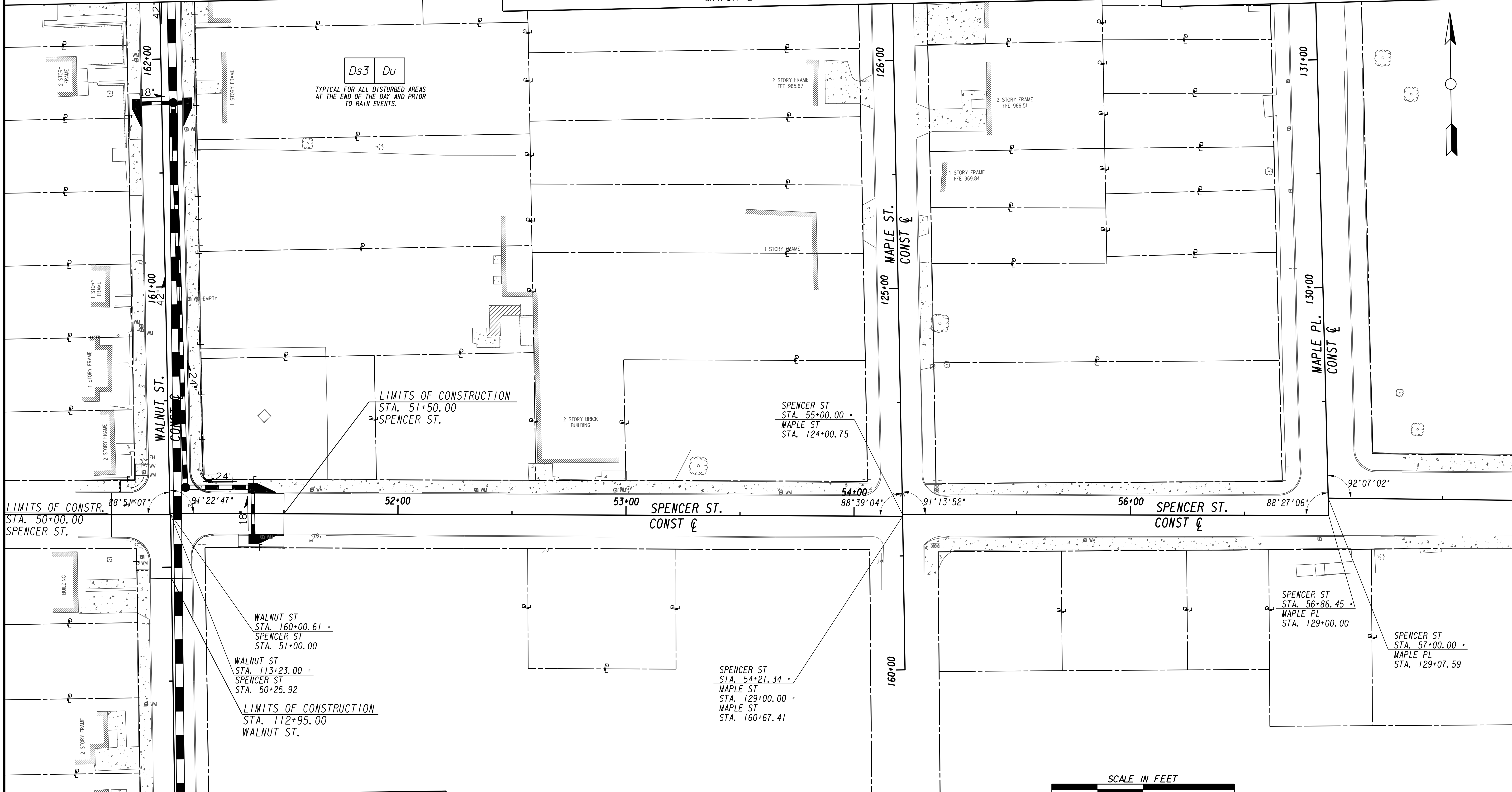
**BMP LOCATION DETAILS
FINAL BMPs**

FILE NAME
7383112-
BMMLLC PROJECT NUMBER
3089 A/E T.O. # 19
CLIENT PROJECT NUMBER
FC-7383F
DRAWING NUMBER
ES-300

MATCH LINE STA 162+75 (WALNUT ST.) SEE DRAWING ES-300

MATCH LINE STA 126+75 (MAPLE ST.) SEE DRAWING ES-300

MATCH LINE STA 131+75 (MAPLE PL.) SEE DRAWING ES-300



MATCH LINE STA 112+00 (WALNUT ST.) SEE DRAWING NO. ES-302



LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

SUBMITTED:	PROJECT MANAGER
DATE:	
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	
APPROVED:	
DATE:	



PLAT CARDS					
REV.	DATE	BY	CHK.	APP.	DESCRIPTION

REVISIONS

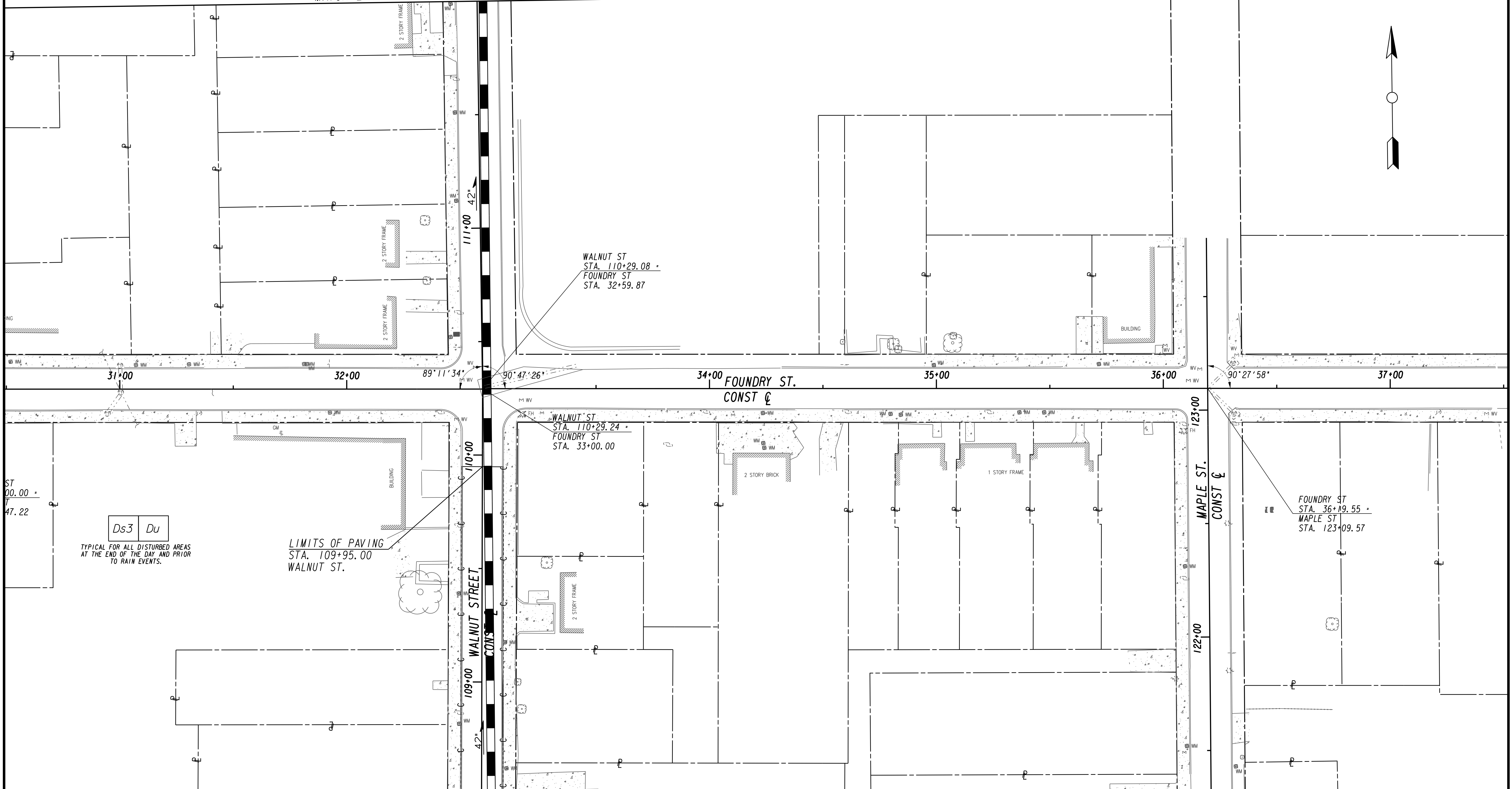
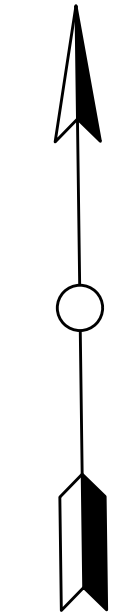
CITY OF ATLANTA DEPARTMENT OF watershed management

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

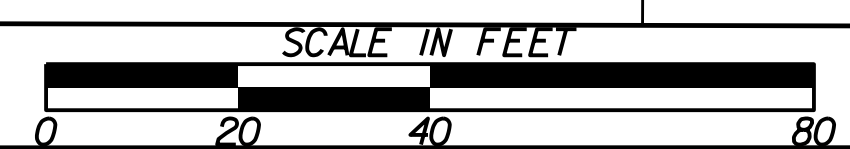
BMP LOCATION DETAILS FINAL BMPs

FILE NAME	7383112-
BMMLLC PROJECT NUMBER	3089 A/E T.O. # 19
CLIENT PROJECT NUMBER	FC-7383F
DRAWING NUMBER	ES-301

MATCH LINE STA 112+00 (WALNUT ST.) SEE DRAWING NO. ES-301



MATCH LINE STA. 108+50 (WALNUT ST.) SEE DRAWING No. ES-303



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____



PLAT CARDS

NO.	DATE	BY	CHK.	APP.

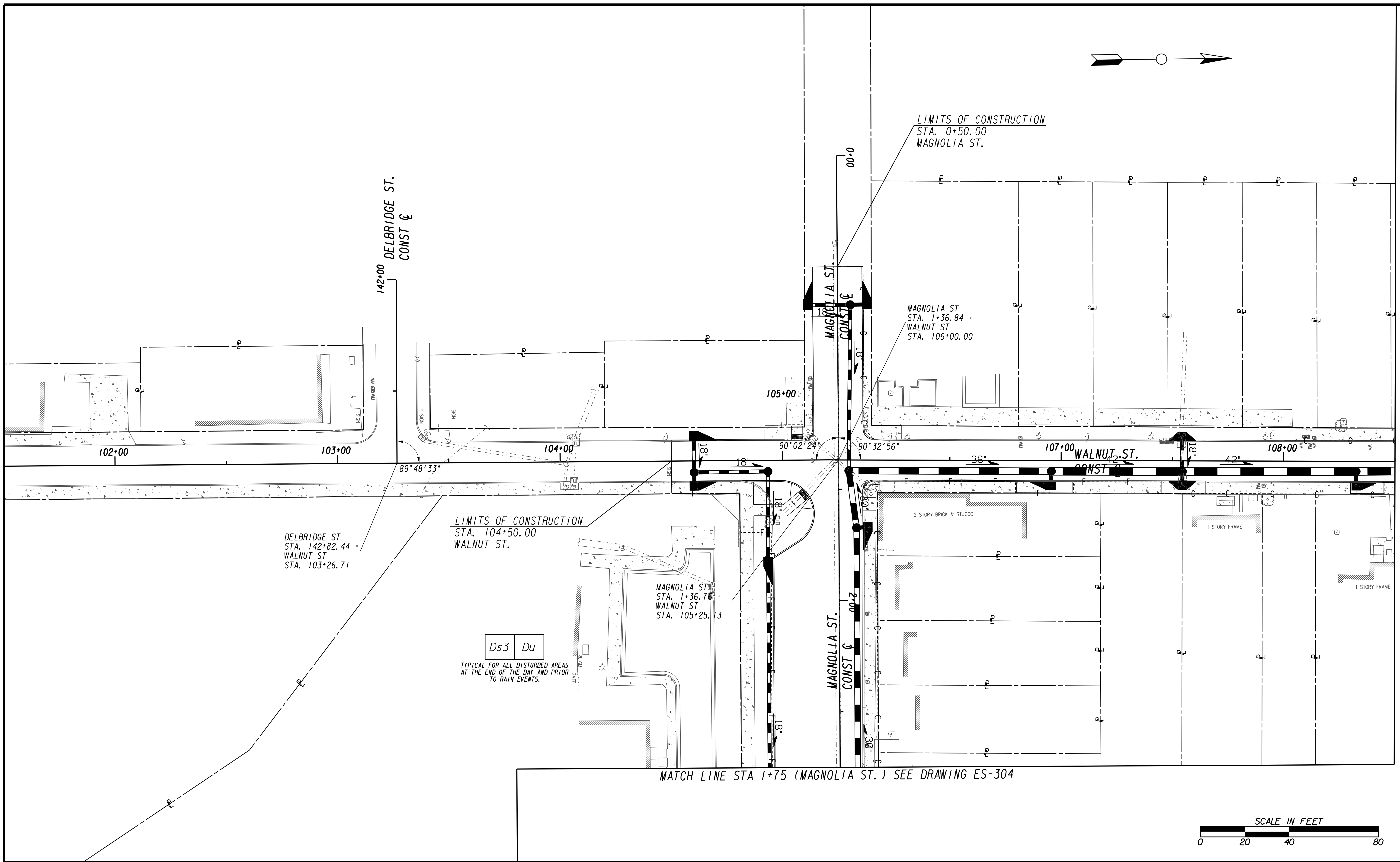
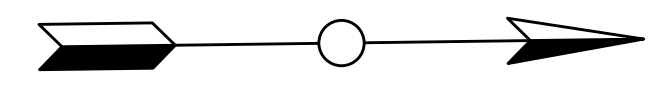
REVISIONS

REV.	DATE	BY	CHK.	APP.	DESCRIPTION

UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

BMP LOCATION DETAILS FINAL BMPs

FILE NAME 7383112-
BMMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER ES-302



DELBRIDGE ST
STA. 142+82.44
WALNUT ST
STA. 103+26.71

LIMITS OF CONSTRUCTION
STA. 104+50.00
WALNUT ST.

MAGNOLIA ST
STA. 1+36.76
WALNUT ST
STA. 105+25.13

Ds3 Du

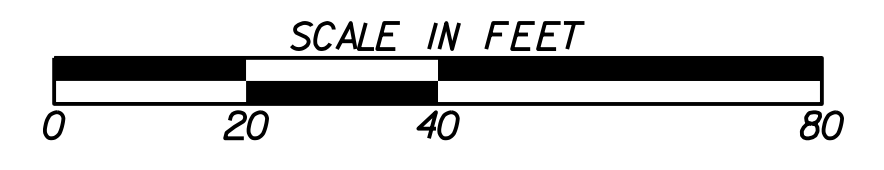
TYPICAL FOR ALL DISTURBED AREAS
AT THE END OF THE DAY AND PRIOR
TO RAIN EVENTS.

LIMITS OF CONSTRUCTION
STA. 0+50.00
MAGNOLIA ST.

MAGNOLIA ST
STA. 1+36.84
WALNUT ST
STA. 106+00.00

MATCH LINE STA 1+75 (MAGNOLIA ST.) SEE DRAWING ES-304

MATCH LINE STA. 108+50 (WALNUT ST.) SEE DRAWING No. ES-302



Benchmark Management
wsp
BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

SUBMITTED: _____
PROJECT MANAGER
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
APPROVED BY: _____
APPROVED: _____
DATE: _____



PLAT CARDS					
REV.	DATE	BY	CHK.	APP.	DESCRIPTION

REVISIONS

CITY OF ATLANTA DEPARTMENT OF watershed management

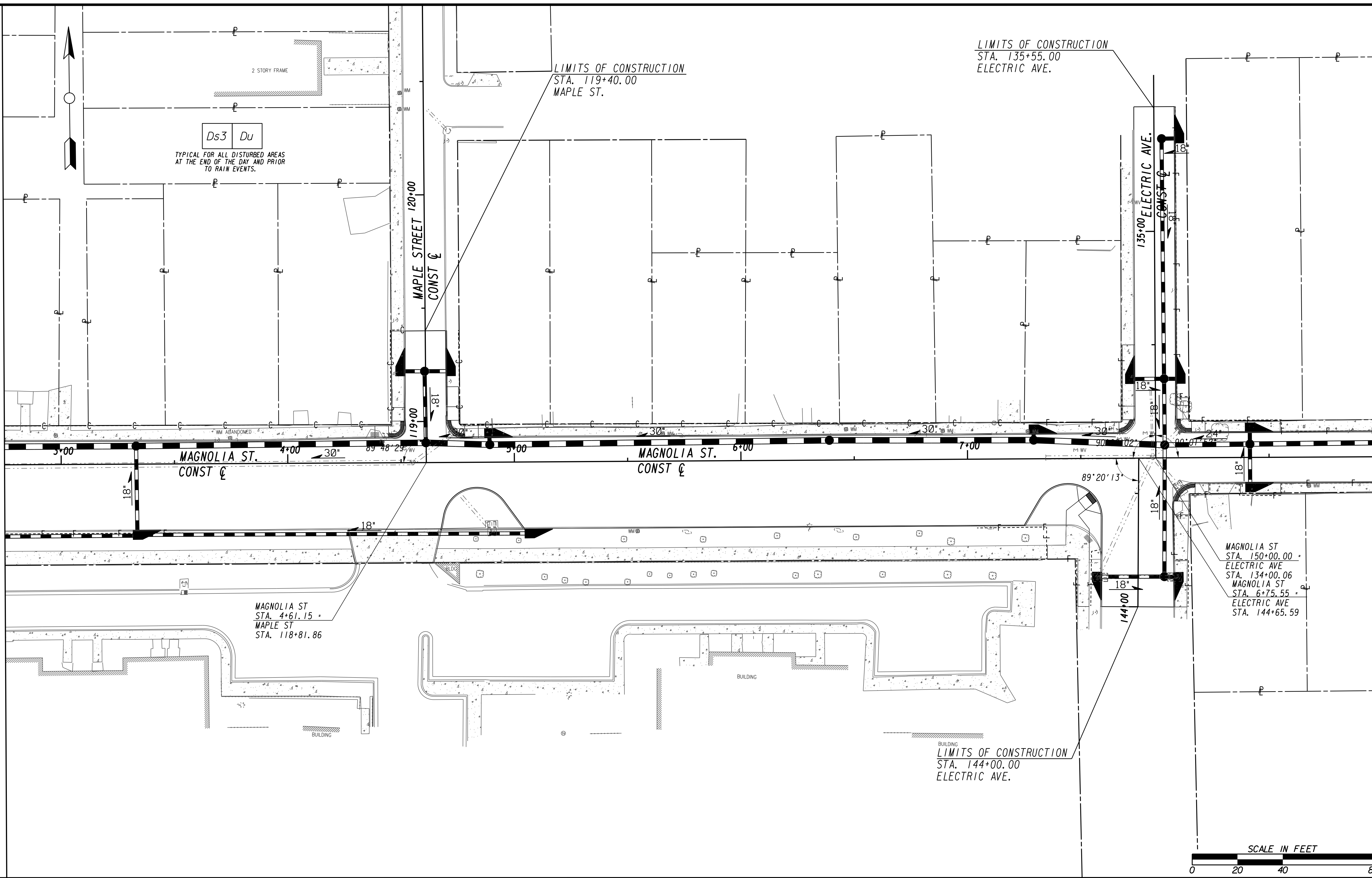
UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS

**BMP LOCATION DETAILS
FINAL BMPs**

FILE NAME
7383112-
BIMLLC PROJECT NUMBER
3089 A/E T.O. # 19
CLIENT PROJECT NUMBER
FC-7383F
DRAWING NUMBER
ES-303

MATCH LINE STA 1+75 (MAGNOLIA ST.) SEE DRAWING ES-303

MATCH LINE STA 151+00 (MAGNOLIA ST.) SEE DRAWING ES-305





Benchmark Management
 BENCHMARK MANAGEMENT LLC
 100 PEACHTREE STREET
 SUITE 1900
 ATLANTA, GA 30303
 TEL: (404) 581-9656
 FAX: (404) 581-0158

SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____

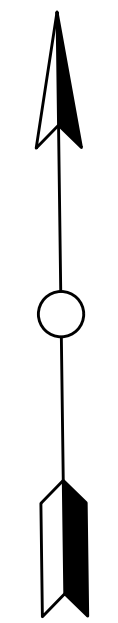


PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

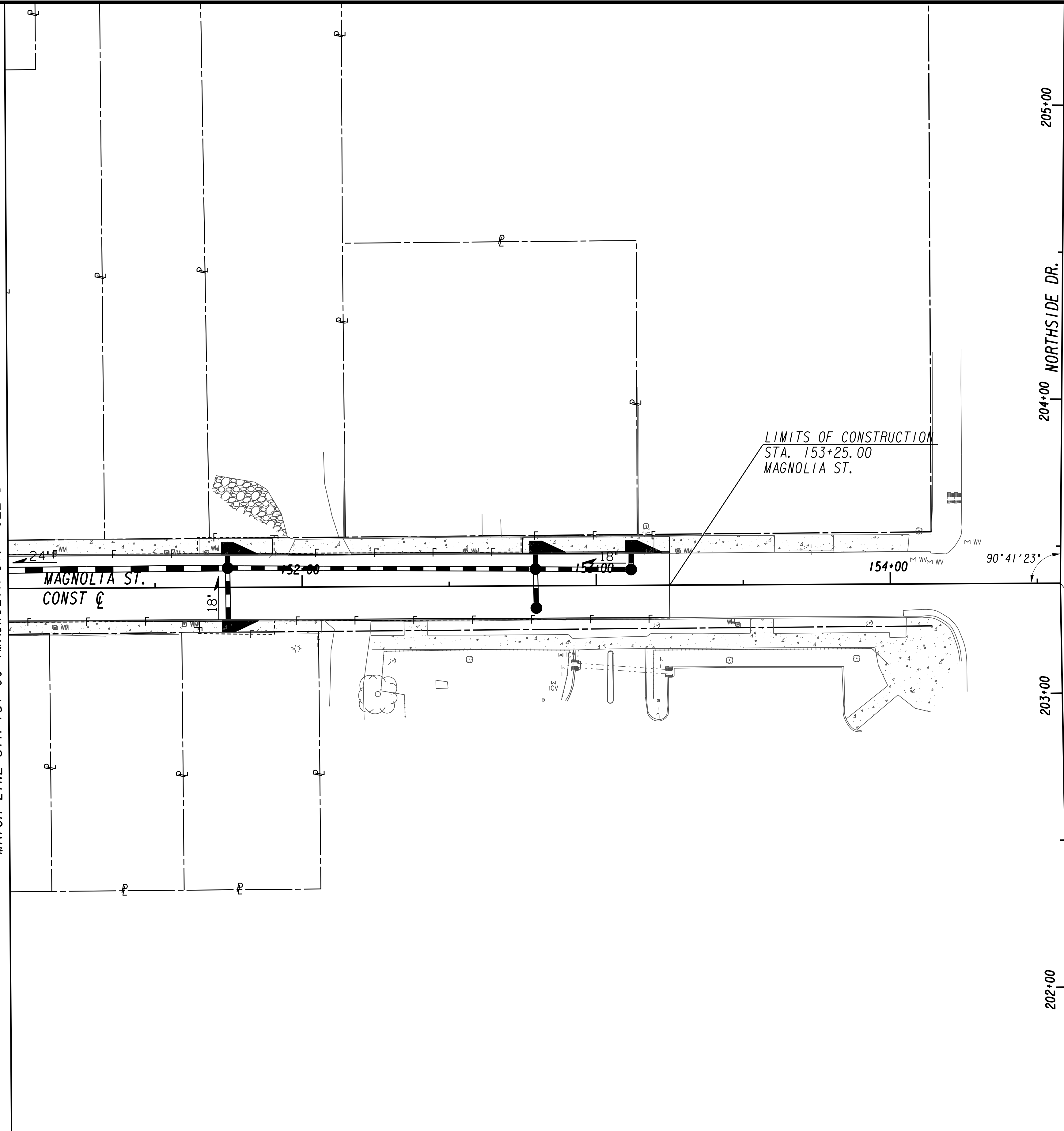


**UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS**

**BMP LOCATION DETAILS
 FINAL BMPs**

FILE NAME: 7383112-
 BMMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **ES-304**



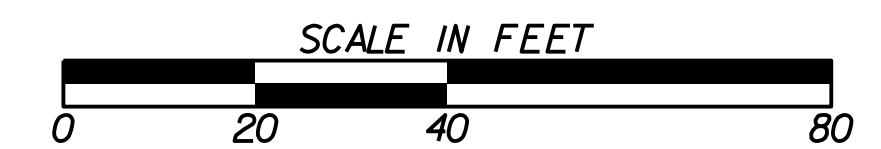
MATCH LINE STA 151+00 (MAGNOLIA ST.) SEE DRAWING ES-304



MAGNOLIA ST
STA. 154+57.83
NORTHSIDE DR
STA. 203+37.43

Ds3 Du

TYPICAL FOR ALL DISTURBED AREAS
AT THE END OF THE DAY AND PRIOR
TO RAIN EVENTS.



Benchmark Management
wsp

BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

SUBMITTED: _____
PROJECT MANAGER

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

CHECKED BY: _____

APPROVED BY: _____

APPROVED: _____

DATE: _____



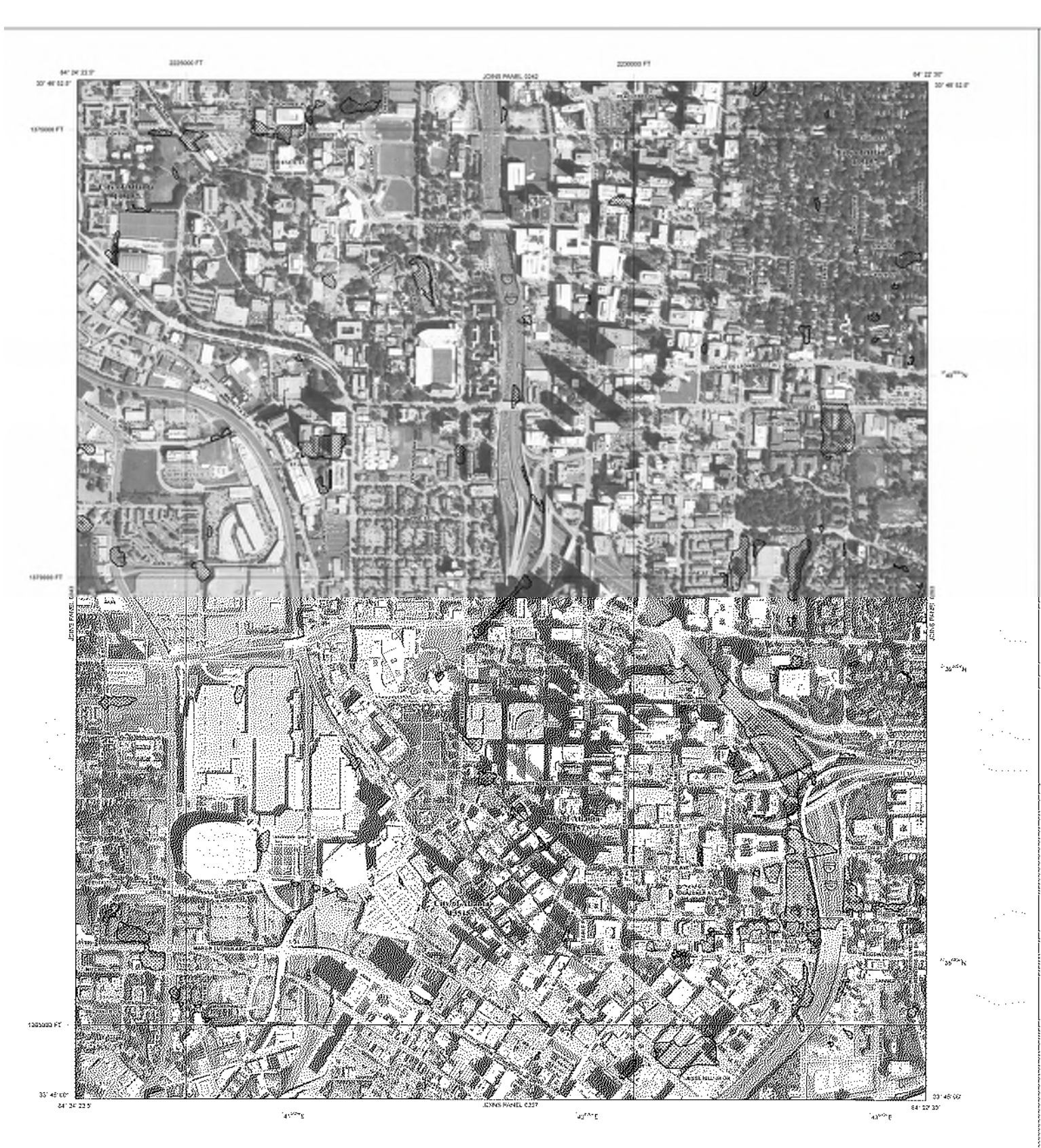
PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

CITY OF ATLANTA DEPARTMENT OF watershed management

UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS

BMP LOCATION DETAILS FINAL BMPs

FILE NAME 7383112-
BMMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER ES-305



LEGEND

SPECIAL FLOOD HAZARD AREAS (SPECIAL STUDY)

REGULATORY AREAS (GENERAL STUDY)

OTHER FLOOD AREAS

OTHER AREAS

**MAP NUMBER 132523000P
MAP REVISED SEPTEMBER 18, 2013**

**FIRM
FLOOD INSURANCE RATE MAP
FULTON COUNTY,
GEORGIA
AND INCORPORATED AREAS**

PANEL 204 OF 400

**CONTRACTOR: BENCHMARK MANAGEMENT LLC
DATE: 11/15/2019**



LEGEND

SPECIAL FLOOD HAZARD AREAS (SPECIAL STUDY)

REGULATORY AREAS (GENERAL STUDY)

OTHER FLOOD AREAS

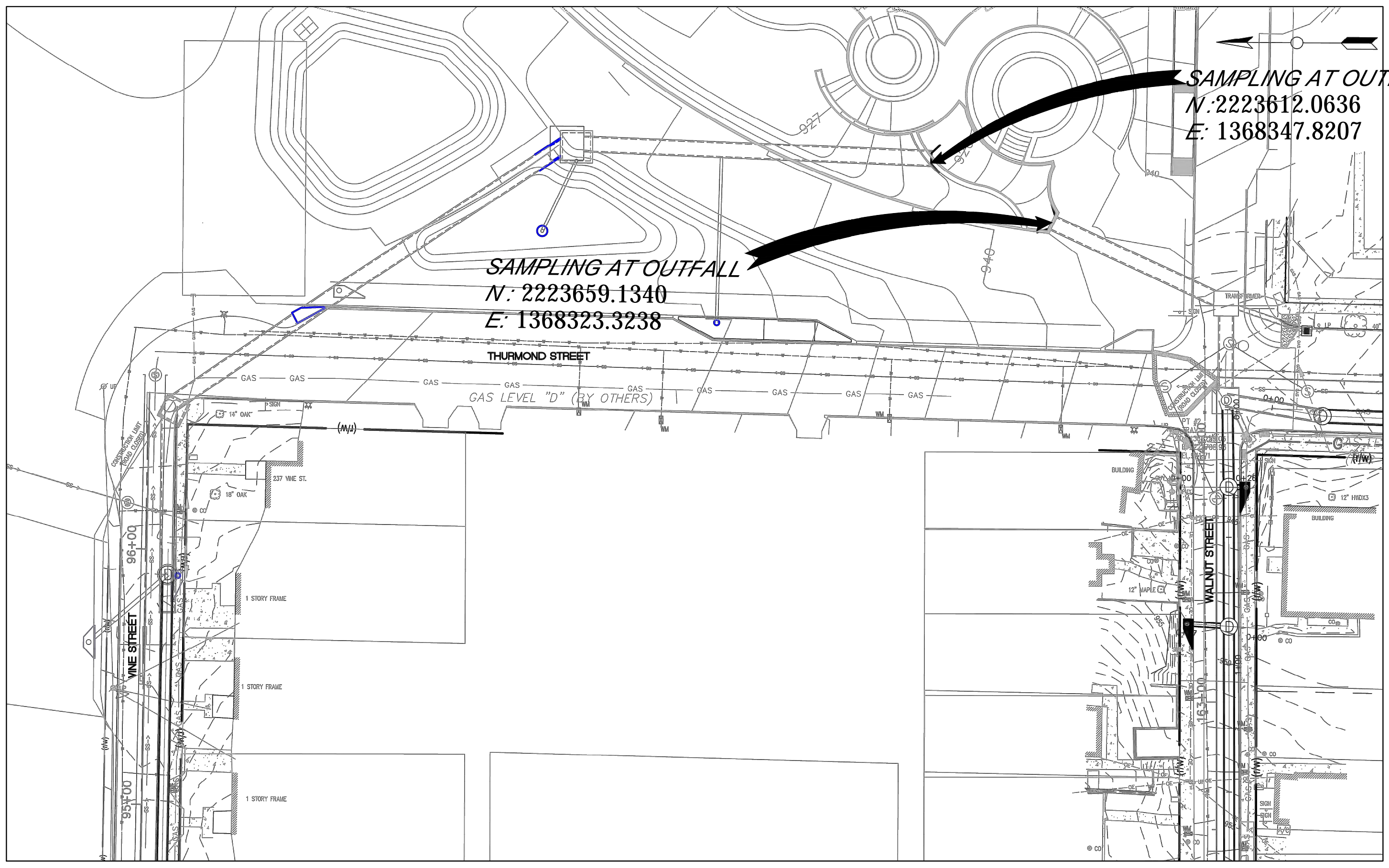
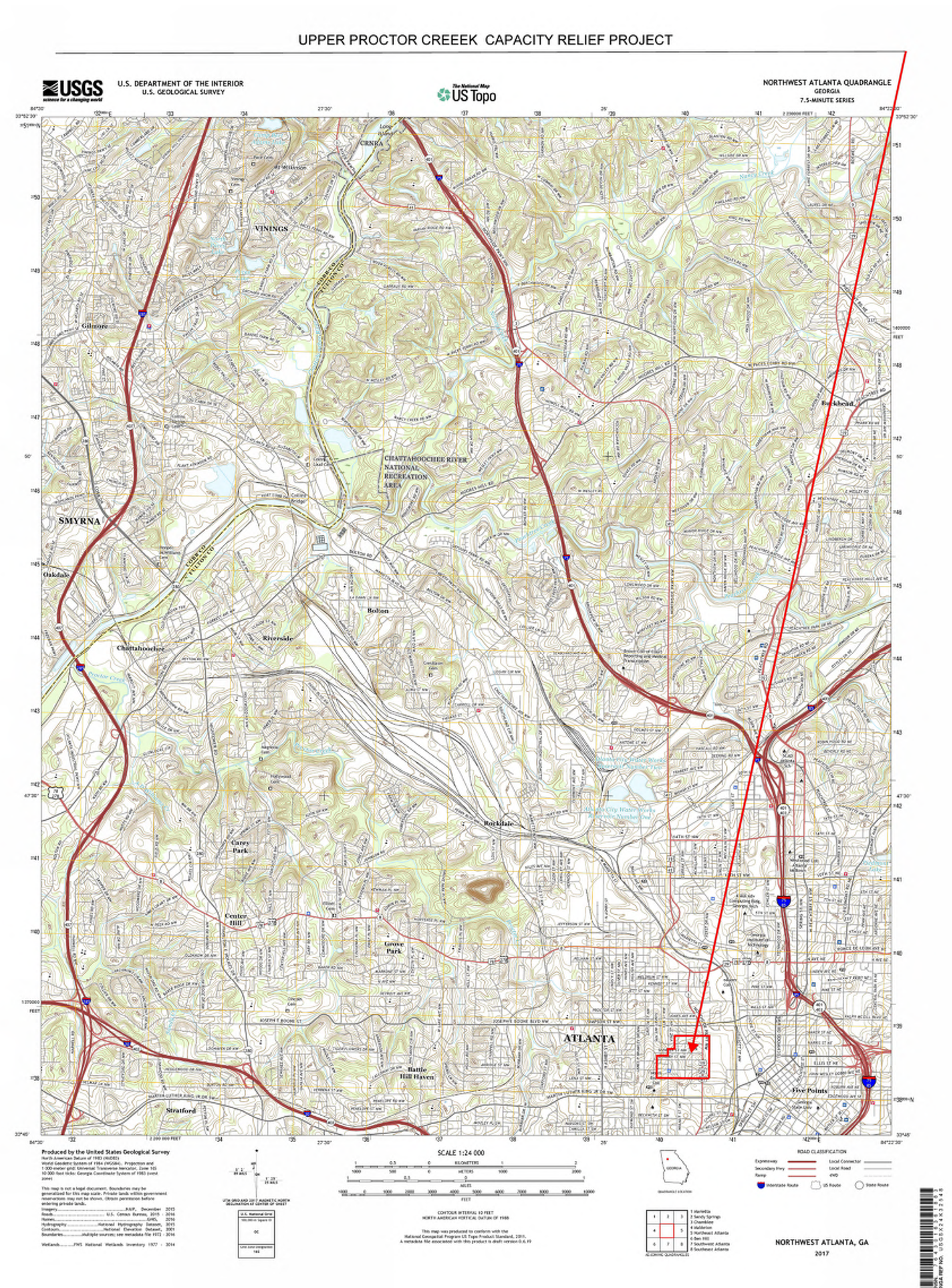
OTHER AREAS

**MAP NUMBER 132523000P
MAP REVISED SEPTEMBER 18, 2013**

**FIRM
FLOOD INSURANCE RATE MAP
FULTON COUNTY,
GEORGIA
AND INCORPORATED AREAS**

PANEL 205 OF 400

**CONTRACTOR: BENCHMARK MANAGEMENT LLC
DATE: 11/15/2019**



FILE: C:\USERS\JOSEPH\Desktop\100%_PH-C_NON-DESIGN-SHEET-DWG_SAVED_BY: JOSEPH N SAVE DATE: 11/15/2019 6:50 PM

Benchmark Management

wsp

BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-8656
FAX: (404) 581-0158

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
PROJECT MANAGER	DESIGNED BY: TJ
DATE: 11/15/2019	DRAWN BY: TJ
APPROVED:	CHECKED BY: RC
DATE:	APPROVED BY: EA



PLAT CARDS		
52	675	111
112	945	

REVISIONS						
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

CITY OF ATLANTA DEPARTMENT OF watershed management

**UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS**

EROSION AND SEDIMENTATION CONTROL NPDES MAPS

FILE NAME UPC-100%PH-C-NON-DESIGN-SHEET-DWG
BMMLC PROJECT NUMBER 3089 A/E
CLIENT PROJECT NUMBER
DRAWING NUMBER ES-401

**EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS**

SWCD: Fulton County Soil and Water Conservation District

Project Name: Upper Proctor Creek Capacity Relief, Phase C Address: _____
City/County: Atlanta, Fulton County Date on Plans: 5/31/2019
Name & email of person filling out checklist: Eskender Abebe, eabebe@bmmllc.com

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
ES-403	Y	

- 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)
- 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)
- The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
- Provide the name, address, **email address**, and phone number of primary permittee.
- Note total and disturbed acreage of the project or phase under construction.
- Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.
- Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
- Description of the nature of construction activity.
- Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
- Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
- Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on **Part IV page 21** of the permit.
- 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 **Part IV page 20** of the permit.
- Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on **Part IV.D.6.c.(3) page 37** of the permit as applicable.*
- 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, perimeter control BMPs, and sediment basins within 7 days after installation." in accordance with **Part IV.A.5 page 26** of the permit *
- 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."
- Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
- 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."
- Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit."

- | | |
|--------|---|
| ES-000 | Y |
| ES-000 | Y |
| ES-000 | Y |
| | N |
| | N |
| | N |
| G-104A | Y |
| | N |
| | N |
| | N |
| | N |
| ES-000 | Y |
| | N |
| | N |
| ES-402 | Y |
| ES-402 | Y |
| ES-402 | Y |
| ES-402 | Y |
| ES-402 | Y |
| ES-000 | Y |
| ES-400 | Y |
| ES-402 | Y |
| ES-400 | Y |
| ES-402 | Y |
| ES-402 | Y |
| ES-402 | Y |
| ES-400 | Y |
| ES-400 | Y |
| ES-100 | Y |
| ES-100 | Y |
- 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."
 - 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."
 - Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
 - 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.*
 - 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.*
 - 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.*
 - Provide BMPs for the remediation of all petroleum spills and leaks.
 - 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.*
 - Description of practices to provide cover for building materials and building products on site.*
 - Description of the practices that will be used to reduce the pollutants in storm water discharges.*
 - 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).
 - Provide complete requirements of inspections and record keeping by the primary permittee.*
 - Provide complete requirements of sampling frequency and reporting of sampling results.*
 - Provide complete details for retention of records as per Part IV.F. of the permit.*
 - Description of analytical methods to be used to collect and analyze the samples from each location.*
 - Appendix B rationale for NTU values at all outfall sampling points where applicable.*
 - Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable.*
 - 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.*
 - Graphic scale and North arrow.
 - Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

Existing Contours	USGS 1": 2000' Topographical Sheets
Proposed Contours	1": 400' Centerline Profile

- | | |
|--------|---|
| | N |
| | N |
| | N |
| | N |
| G-104A | Y |
| | N |
| | N |
| | N |
| | N |
| ES-000 | Y |
| | N |
| | N |
| ES-404 | Y |
| ES-404 | Y |
| ES-405 | Y |
- 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.
 - 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.*
 - 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.
 - Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
 - Delineation and acreage of contributing drainage basins on the project site.
 - Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets.
 - An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
 - Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
 - Soil series for the project site and their delineation.
 - The limits of disturbance for each phase of construction.
 - 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 must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage 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.
 - 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.
 - 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.
 - Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.
- *If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items would be N/A.

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BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9555
FAX: (404) 581-0158

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
PROJECT MANAGER DATE: 11/15/2019	DESIGNED BY: TJ
APPROVED:	DRAWN BY: TJ
DATE:	CHECKED BY: RC
	APPROVED BY: EA



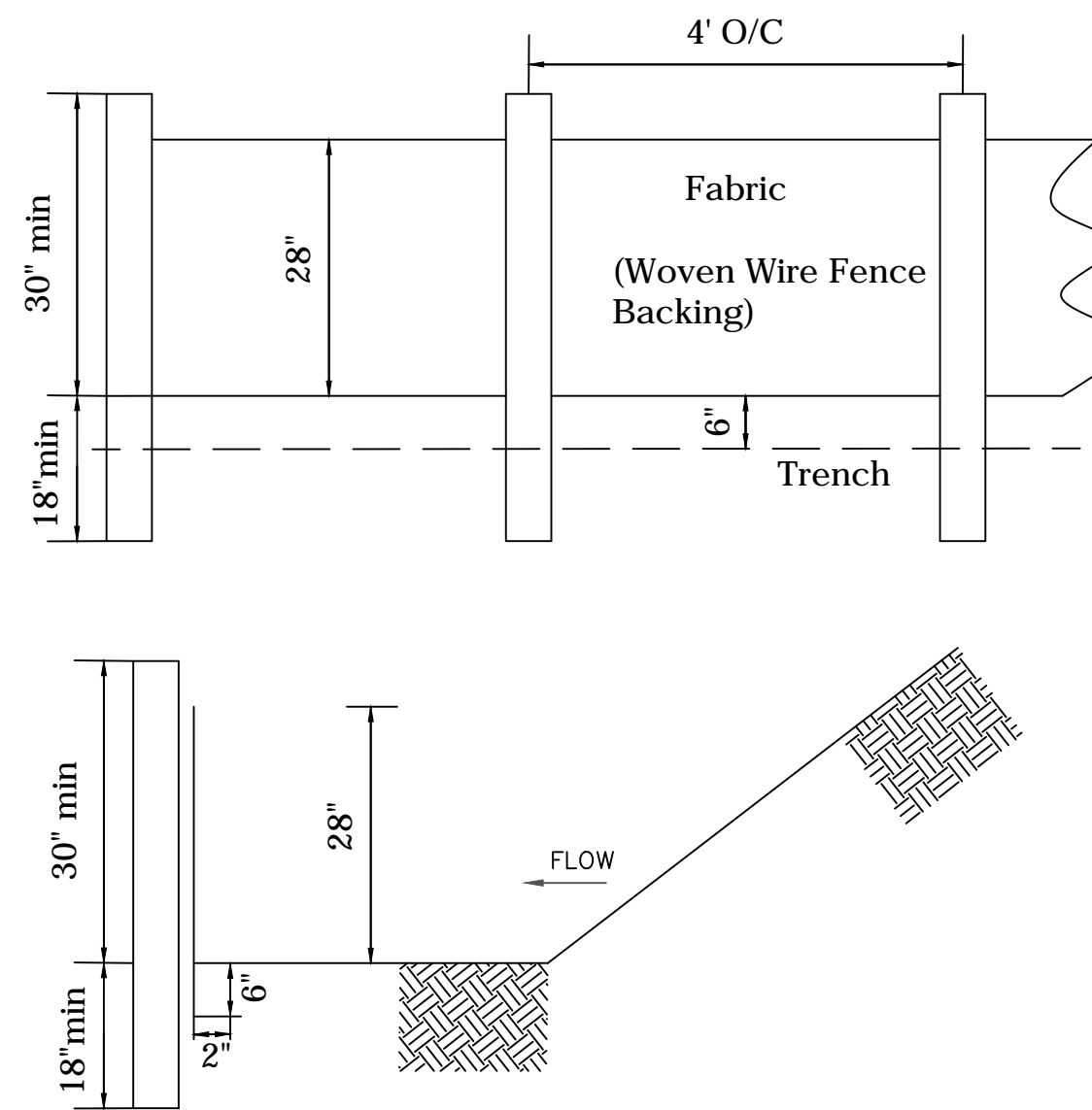
PLAT CARDS		
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REVISIONS						
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

**EROSION AND SEDIMENTATION
CONTROL SCANNED DOCUMENTS**

FILE NAME UPC 100% PH C - NON-DESIGN SHEET.DWG
BMMLLC PROJECT NUMBER 3089 A/E
CLIENT PROJECT NUMBER ---
DRAWING NUMBER ES-403



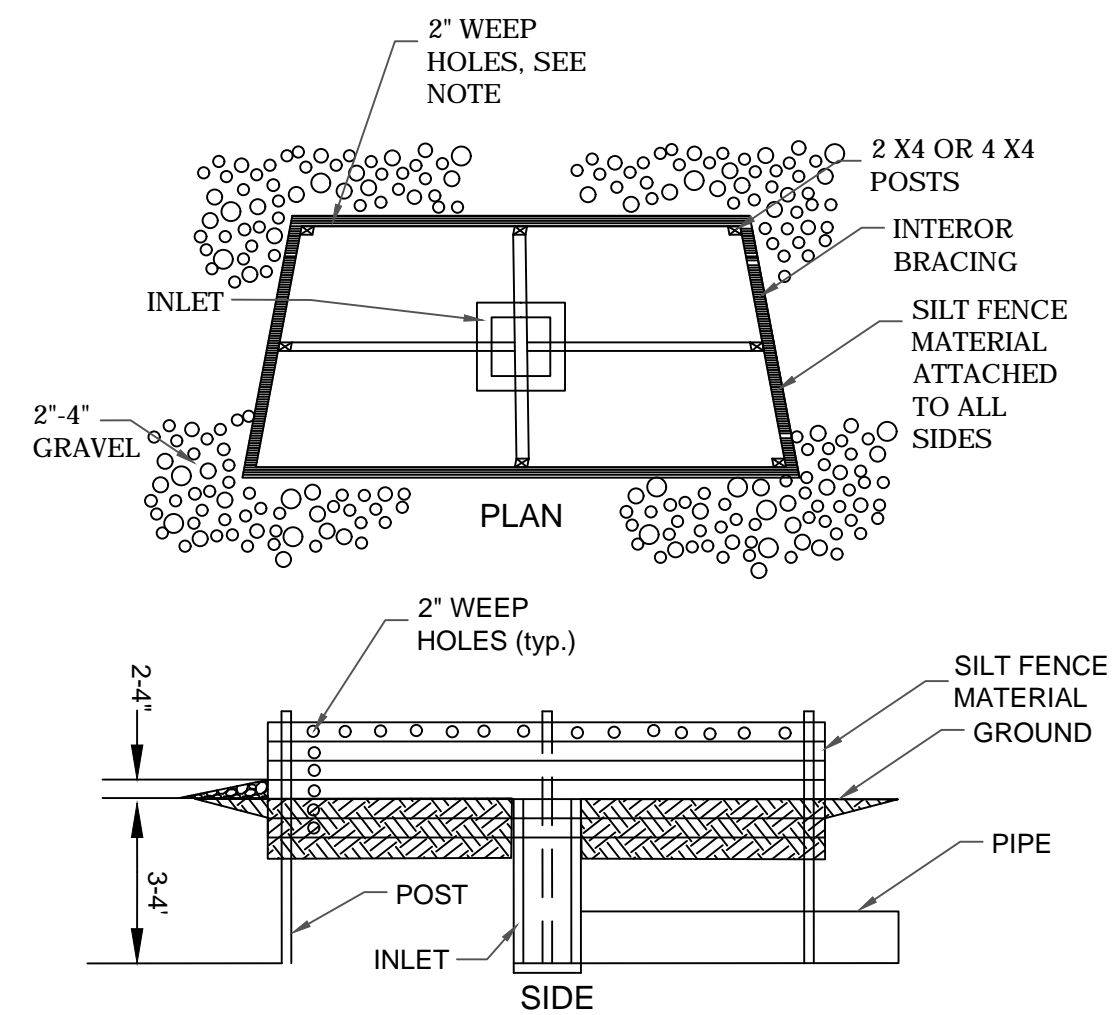
SILT FENCE

THE MANUFACTURER SHALL HAVE EITHER AN APPROVED COLOR MARK YARN IN THE FABRIC OR LABEL THE FABRICATED SILT FENCE WITH BOTH THE MANUFACTURER AND FABRIC NAME EVERY 100 FEET.

THE TEMPORARY SILT FENCE SHALL BE INSTALLED ACCORDING TO THIS SPECIFICATION, AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. FOR INSTALLATION OF THE FABRIC, SEE DETAIL. POST INSTALLATION SHALL START AT THE CENTER OF THE LOW POINT (IF APPLICABLE) WITH THE REMAINING POSTS SPACED 4 FEET APART FOR TYPE C SILT FENCE. ONLY STEEL POST SHALL BE USED WITH TYPE C SILT FENCE. POSTS SHALL BE 4' IN LENGTH, 1.3 LBS/ FT. ALONG STREAM BUFFERS AND OTHER SENSITIVE AREAS, TWO ROWS OF TYPE C SILT FENCE OR ONE ROW OF TYPE C SILT FENCE BACKED BY HAYBALES SHALL BE USED.

MAINTENANCE
SEDIMENT SHALL BE REMOVED ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER. FILTER FABRIC SHALL BE REPLACED WHENEVER IT HAS DETERIORATED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE FABRIC IS REDUCED (APPROXIMATELY SIX MONTHS). TEMPORARY SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. ALL SEDIMENT ACCUMULATED AT THE BARRIER SHALL BE REMOVED AND PROPERLY DISPOSED OF BEFORE THE BARRIER IS REMOVED.

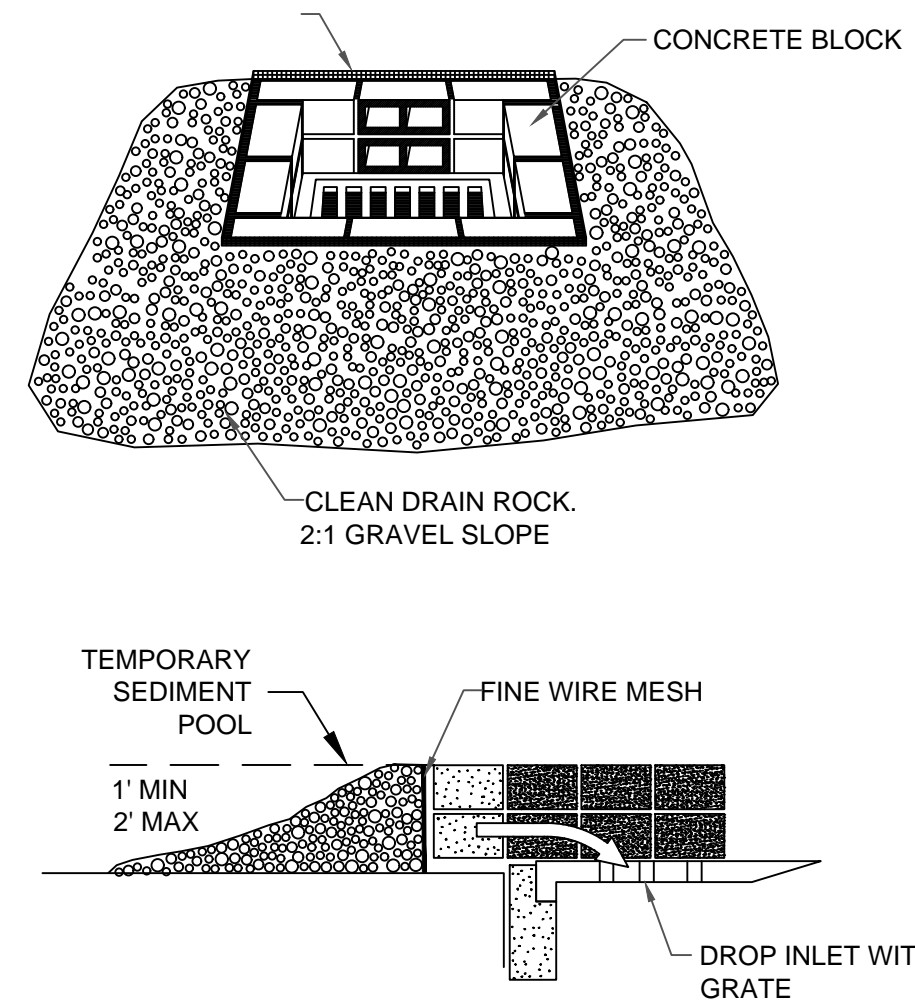
Sd1-C TYPE C SILT FENCE



BAFFLE BOX

FOR INLETS RECEIVING RUNOFF WITH A HIGHER VOLUME OR VELOCITY, A BAFFLE BOX INLET SEDIMENT TRAP SHOULD BE USED. AS SHOWN IN FIGURE 6-21.2, THE BAFFLE BOX SHALL BE CONSTRUCTED OF 2" X 4" BOARDS SPACED A MAXIMUM OF 1 INCH APART OR OF PLYWOOD WITH WEEP HOLES 2 INCHES IN DIAMETER. THE WEEP HOLES SHALL BE PLACED APPROXIMATELY 6 INCHES ON CENTER VERTICALLY AND HORIZONTALLY. GRAVEL SHALL BE PLACED OUTSIDE THE BOX, ALL AROUND THE INLET, TO A DEPTH OF 2 TO 4 INCHES. THE ENTIRE BOX IS WRAPPED IN TYPE C FILTER FABRIC THAT SHALL BE ENTRENCHED 12 INCHES AND BACK FILLED.

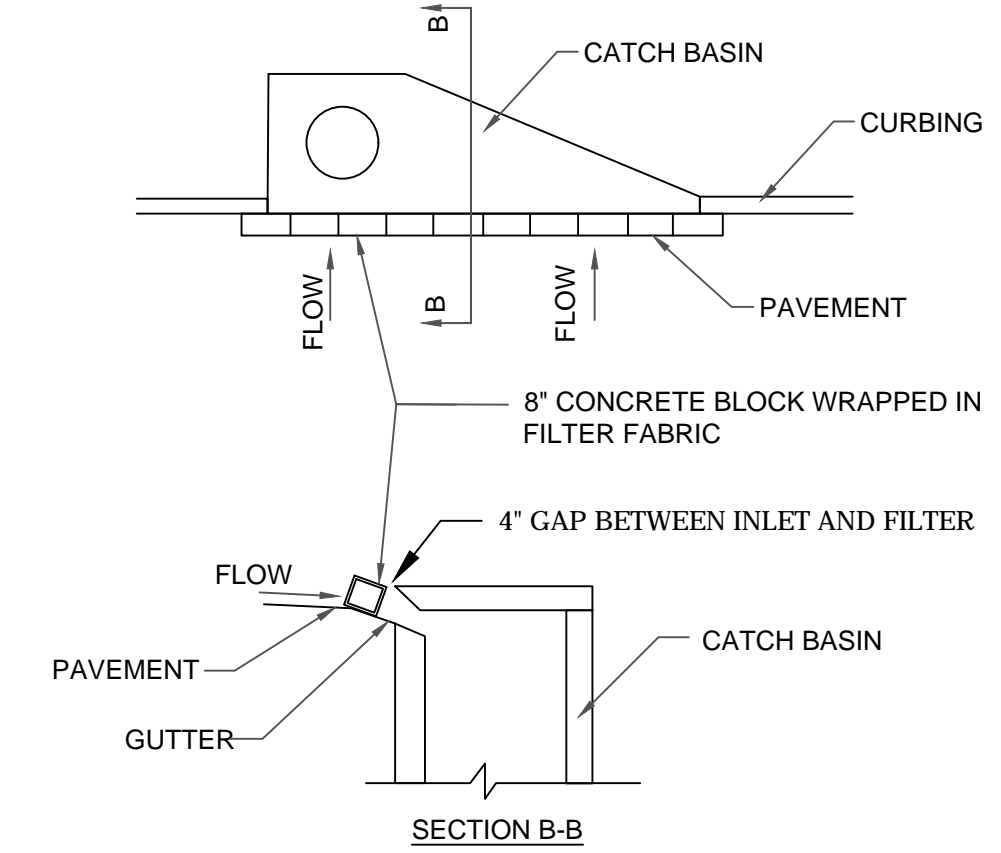
Sd2-F BAFFLE BOX



BLOCK AND GRAVEL DROP INLET PROTECTION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY FLOWS ARE EXPECTED AND WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. AS SHOWN IN DETAIL ONE BLOCK IS PLACED ON EACH SIDE OF THE STRUCTURE ON ITS SIDE IN THE BOTTOM ROW TO ALLOW POOL DRAINAGE. THE FOUNDATION SHOULD BE EXCAVATED AT LEAST 2 INCHES BELOW THE CREST OF THE STORM DRAIN. THE BOTTOM ROW OF BLOCKS ARE PLACED AGAINST THE EDGE OF THE STORM DRAIN FOR LATER SUPPORT AND TO AVOID WASHOUTS WHEN OVERFLOW OCCURS. IF NEEDED, LATERAL SUPPORT MAY BE GIVEN TO SUBSEQUENT ROWS BY PLACING 2" X 4" WOOD STUDS THROUGH BLOCK OPENINGS. HARD WARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2 INCH OPENINGS SHALL BE FITTED OVER ALL BLOCK OPENINGS TO HOLD GRAVEL IN PLACE. CLEAN GRAVEL SHOULD BE PLACED 2 INCHES BELOW THE TOP OF THE BLOCKS ON A 2:1 SLOPE OR FLATTER AND SMOOTHED TO AN EVEN GRADE. DOT #57 WASHED STONE IS RECOMMENDED.

Sd2-F BLOCK AND GRAVEL DROP INLET PROTECTION

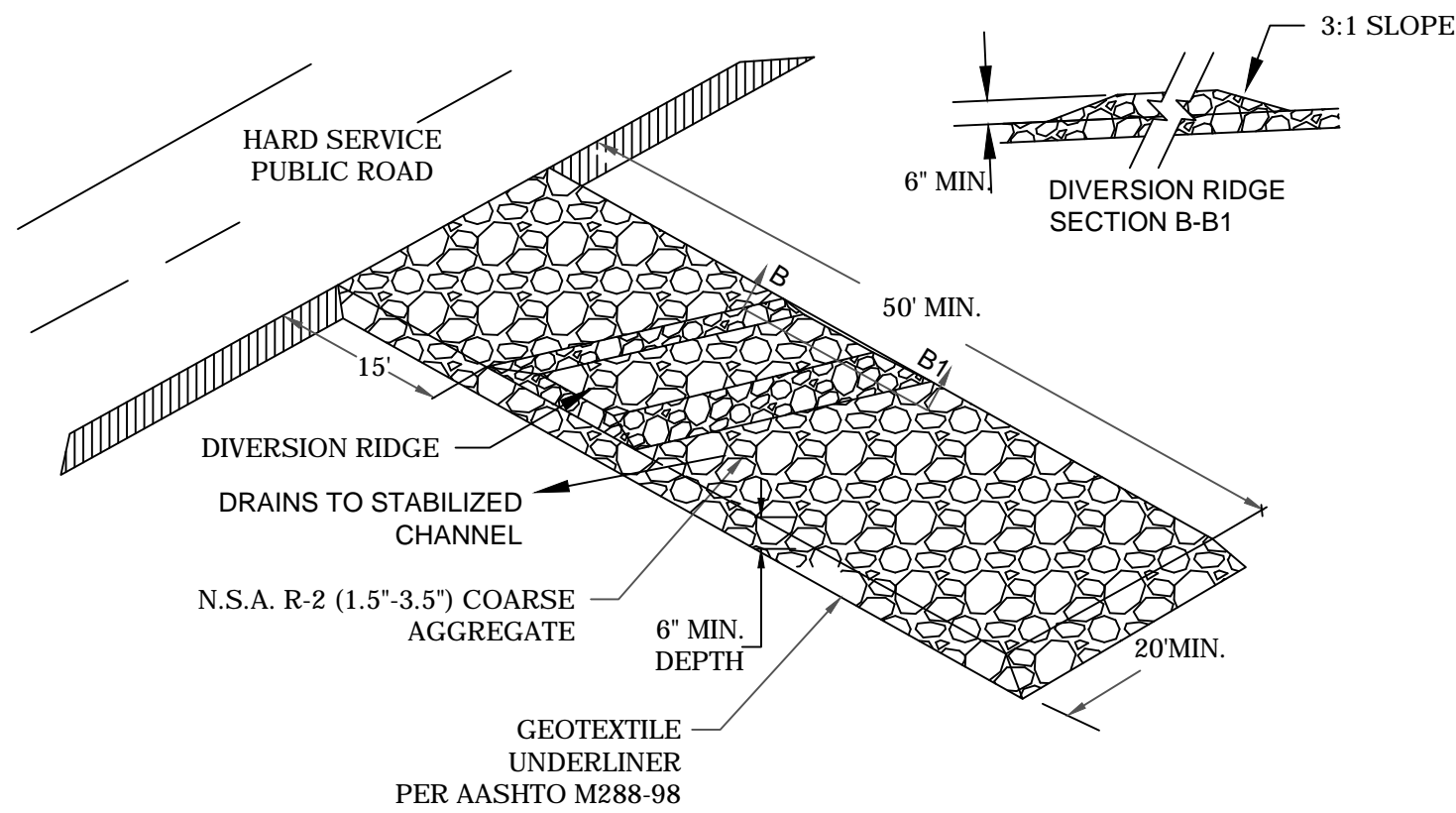


CURB INLET PROTECTION

ONCE PAVEMENT HAS BEEN INSTALLED, A CURB INLET FILTER SHALL BE INSTALLED ON INLETS RECEIVING RUNOFF FROM DISTURBED AREAS. THIS METHOD OF INLET PROTECTION SHALL BE REMOVED IF A SAFETY HAZARD IS CREATED.

ONE METHOD OF CURB INLET PROTECTION USES "PIGS-IN-A-BALNKET": 8-INCH CONCRETE BLOCKS WRAPPED IN FILTER FABRIC. SEE DETAIL. ANOTHER METHOD USES GRAVEL BAGS CONSTRUCTED BY WRAPPING DOT #57 STONE WITH FILTER FABRIC, WIRE, PLASTIC MESH, OR EQUIVALENT MATERIAL. A GAP OF APPROXIMATELY 4 INCHES SHALL BE LEFT BETWEEN THE INLET FILTER AND THE INLET TO ALLOW FOR OVERFLOW AND PREVENT HAZARDOUS PONDING IN THE ROADWAY. PROPER INSTALLATION AND MAINTENANCE ARE CRUCIAL TO AVOID PONDING IN THE ROADWAY, RESULTING IN A HAZARDOUS CONDITION.

Sd2-P CURB INLET PROTECTION



CONSTRUCTION EXIT

A STONE STABILIZED PAD SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE TO A PUBLIC RIGHT-OF-WAY, STREET, ALLEY, SIDEWALK, PARKING AREA, OR ANY OTHER AREA WHERE THERE IS A TRANSITION FROM BARE SOIL TO A PAVED AREA.

AGGREGATE SIZE
STONE WILL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5 TO 3.5 INCH STONE).

PAD THICKNESS
THE GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6 INCHES.

PAD WIDTH
AT A MINIMUM, THE WIDTH SHOULD EQUAL FULL WIDTH OF ALL POINTS OF VEHICULAR EGRESS, BUT NOT LESS THAN 20 FEET WIDE.

DIVERSION RIDGE
ON SITES WHERE THE GRADE TOWARD THE PAVED AREA IS GREATER THAN 2%, A DIVERSION RIDGE 6 TO 8 INCHES HIGH WITH 3:1 SIDE SLOPES SHALL BE CONSTRUCTED ACROSS THE FOUNDATION APPROXIMATELY 15 FEET ABOVE THE ROAD.

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

Co CONSTRUCTION EXIT

DESIGN CRITERIA FOR ALL Sd2 APPLICATIONS

MANY SEDIMENT FILTERING DEVICES CAN BE DESIGNED TO SERVE AS TEMPORARY SEDIMENT TRAPS. SEDIMENT TRAPS MUST BE SELF-DRAINING UNLESS THEY ARE OTHERWISE PROTECTED IN AN APPROVED FASHION THAT WILL NOT PRESENT A SAFETY HAZARD. THE AREA DRAINING TO THE INLET SEDIMENT TRAP SHALL BE NO GREATER THAN ONE ACRE.

IF RUNOFF MAY BYPASS THE PROTECTED INLET, A TEMPORARY DIKE SHOULD BE CONSTRUCTED ON THE DOWN SLOPE SIDE OF THE STRUCTURE. ALSO, A STONE FILTER RING MAY BE USED ON THE UP SLOPE SIDE OF THE INLET TO SLOW RUNOFF AND FILTER LARGER SOIL PARTICLES. REFER TO FR-STONE FILTER RING.

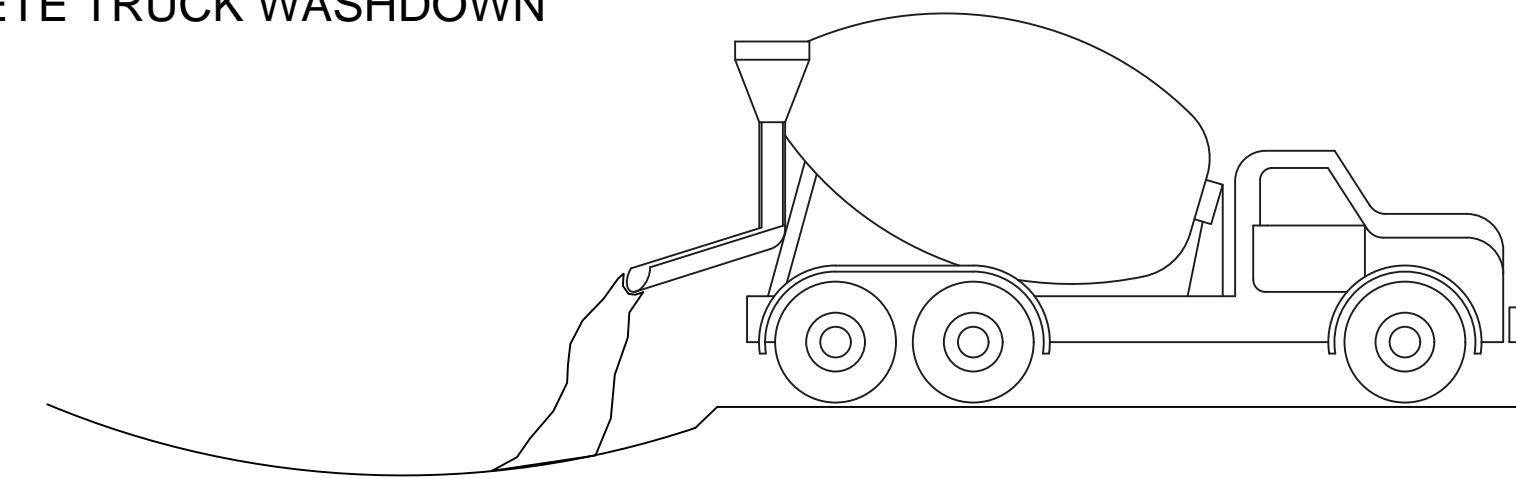
MAINTENANCE FOR ALL Sd2 APPLICATIONS

ALL TRAPS SHALL BE INSPECTED DAILY AND AFTER EACH RAIN AND REPAIRS MADE AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE TRAP. SEDIMENT SHALL BE REMOVED FROM CURB INLET PROTECTION IMMEDIATELY. FOR EXCAVATED INLET SEDIMENT TRAPS, SEDIMENT SHALL BE REMOVED WHEN ONE-HALF OF THE SEDIMENT STORAGE CAPACITY HAS BEEN LOST TO SEDIMENT ACCUMULATION. SOD INLET PROTECTION SHALL BE MAINTAINED AS SPECIFIED IN DS4-DISTURBED AREA STABILIZATION (WITH SODDING).

SEDIMENT SHALL NOT BE WASHED INTO THE INLET. IT SHALL BE REMOVED FROM THE SEDIMENT TRAP AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLET, AGAIN. WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, ALL MATERIALS AND ANY SEDIMENT SHALL BE REMOVED, AND EITHER SALVAGED OR DISPOSED OF PROPERLY. THE DISTURBED AREA SHALL BE BROUGHT TO PROPER GRADE, THEN SMOOTHED AND COMPACTED. ALL DISTURBED AREAS AROUND THE INLET SHALL BE APPROPRIATELY STABILIZED.

Sd2 INLET SEDIMENT BARRIER

CONCRETE TRUCK WASHDOWN



DESIGNATE WASHDOWN AREA AND EXCAVATE PIT LARGE ENOUGH TO CONTAIN WASHDOWN WATER. THIS MUST BE AWAY FROM STORM DRAINS AND WATERWAYS.
ADVISE CONCRETE TRUCK DRIVERS OF THE DESIGNATED WASH-OUT AREAS BEFORE THEY START THE JOB.
WASHDOWN CHUTE, HOPPER, AND REAR OF VEHICLE ONLY. DO NOT WASH OUT DRUM
ENSURE THAT ALL WASHDOWN WATER STAYS IN PIT.
DISPOSE OF SETTLED, HARDENED CONCRETE IN GARBAGE WITH OTHER CONSTRUCTION DEBRIS.
NEVER DISPOSE OF WASHDOWN WATER IN STREETS, STORM DRAINS, OR STREAMS.

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SUBMITTED:	LINE IS 2 INCHES
PROJECT NUMBER:	AT FULL SIZE
DATE: 11/15/2019	(IF NOT 2" SCALE ACCORDINGLY)
DESIGNED BY: TJ	
DRAWN BY: TJ	
CHECKED BY: RC	
APPROVED BY: EA	



PLAT CARDS		
52	675	111
112	945	---

REVISIONS						
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

EROSION AND SEDIMENTATION CONTROL NPDES DETAILS

FILE NAME	UPC 100% PH C - NON-DESIGN SHEET.DWG
BMMLLC PROJECT NUMBER	3089 A/E
CLIENT PROJECT NUMBER	---
DRAWING NUMBER	ES-404

Table with 2 columns: MATERIAL, QUANTITY. Rows include DRY STRAW OR HAY (2' - 4' DEPTH), WOOD WASTE (SAWDUST, BARK, CHIPS) (2' - 3' DEPTH), CUTBACK ASPHALT (SLOW CURING) (1200 GAL. PER ACRE), and POLYETHYLENE FILM (COMPLETELY COVERING EXPOSED AREA).

STRAW OR HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION. MULCH MAY BE ANCHORED BY MECHANICALLY PRESSING INTO SURFACE. IF SPREAD WITH BLOWER EQUIPMENT, MULCH SHALL BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE AE-5 OR SS-1)--100 GAL. ASPHALT + 100 GAL. WATER PER TON OF MULCH.

Ds1 MULCHING

PLANT, PLANTING RATES, AND PLANTING DATES FOR PERMANENT COVER OR COMBINATION CROPS. Table with columns: Species, Broadcast, Resource, Area, Planting Dates by Resource Areas, Remarks.

PLANT, PLANTING RATES, AND PLANTING DATES FOR TEMPORARY COVER OR COMBINATION CROPS. Table with columns: Species, Broadcast, Resource, Area, Planting Dates by Resource Areas, Remarks.

PLANT, PLANTING RATES, AND PLANTING DATES FOR TEMPORARY COVER OR COMBINATION CROPS. Table with columns: Species, Broadcast, Resource, Area, Planting Dates by Resource Areas, Remarks.

Ds2 STABILIZATION WITH TEMPORARY SEEDING

Table with columns: Species, Broadcast, Resource, Area, Planting Dates by Resource Areas, Remarks. Rows include BERBERIS, BERBERIS, BERBERIS, BERBERIS, BERBERIS.

Table with columns: Species, Broadcast, Resource, Area, Planting Dates by Resource Areas, Remarks. Rows include BERBERIS, BERBERIS, BERBERIS, BERBERIS, BERBERIS.

Table with columns: Species, Broadcast, Resource, Area, Planting Dates by Resource Areas, Remarks. Rows include BERBERIS, BERBERIS, BERBERIS, BERBERIS, BERBERIS.

Table with columns: Species, Broadcast, Resource, Area, Planting Dates by Resource Areas, Remarks. Rows include BERBERIS, BERBERIS, BERBERIS, BERBERIS, BERBERIS.

Table with columns: Species, Broadcast, Resource, Area, Planting Dates by Resource Areas, Remarks. Rows include BERBERIS, BERBERIS, BERBERIS, BERBERIS, BERBERIS.

Ds3

STABILIZATION WITH PERMANENT VEGETATION

Table with columns: TYPE OF SPECIES, YEAR, ANALYSIS OR EQUIVALENT N-P-K, RATE, N TOP DRESSING RATE. Rows include 1. Cool season grasses, 2. Cool season grasses and legumes, 3. Ground covers, 4. Pine seedlings, 5. Shrub Lespedeza, 6. Temporary cover crops seeded alone, 7. Warm season grasses, 8. Warm season grasses and legumes.

- 1/ Apply in spring following seeding.
2/ Apply in split applications when high rates are used.
3/ Apply in 3 split applications.
4/ Apply when plants are pruned.
5/ Apply to grass species only.
6/ Apply when plants grow to a height of 2 to 4 inches.

FERTILIZER RATES FOR PERMANENT VEGETATION (Ds-3)

VEGETATION NOTES

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE. TEMPORARY GRASSING, INSTEAD OF MULCH, CAN BE APPLIED TO ROUGH GRADED AREAS THAT WILL BE EXPOSED FOR LESS THAN SIX MONTHS.

WHEN A HYDRAULIC SEEDER IS USED, SEEDBED PREPARATION IS NOT REQUIRED. WHEN USING CONVENTIONAL OR HANDSEEDING, SEEDBED PREPARATION IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAINFALL.

LIME AND FERTILIZER (TEMPORARY VEGETATION, DS-2)

AGRICULTURAL LIME IS REQUIRED UNLESS SOIL TESTS INDICATE OTHERWISE. APPLY AGRICULTURAL LIME AT A RATE OF ONE TON PER ACRE. GRADED AREAS REQUIRE LIME APPLICATION. SOILS CAN BE TESTED TO DETERMINE IF FERTILIZER IS NEEDED.

LIME AND FERTILIZER RATES AND ANALYSIS (PERMANENT VEGETATION, DS-3)

AGRICULTURAL LIME IS REQUIRED AT THE RATE OF ONE TO TWO TONS PER ACRE UNLESS SOIL TESTS INDICATE OTHERWISE. GRADED AREAS REQUIRE LIME APPLICATION. IF LIME IS APPLIED WITHIN SIX MONTHS OF PLANTING PERMANENT PERENNIAL VEGETATION, ADDITIONAL LIME IS NOT REQUIRED.

MULCHING

MULCH IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO SEEDED AREAS SHALL ACHIEVE 75% SOIL COVER. SELECT THE MULCHING MATERIAL FROM THE FOLLOWING AND APPLY AS INDICATED:

- 1. DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED. DRY STRAW SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. DRY HAY SHALL BE APPLIED AT A RATE OF 2 1/2 TONS PER ACRE.
2. WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL BE USED WITH HYDRAULIC SEEDING. IT SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE. DRY STRAW OR DRY HAY SHALL BE APPLIED (AT THE RATE INDICATED ABOVE) AFTER HYDRAULIC SEEDING.
3. ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOOD PULP FIBER, WHICH INCLUDES A TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING ON SLOPES 3/4:1 OR STEEPER.
4. SERICEA LESPEDEZA HAY CONTAINING MATURE SEED SHALL BE APPLIED AT A RATE OF THREE TONS PER ACRE.
5. PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICKNESS OF 3 INCHES FOR BEDDING PURPOSES. OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WHERE ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED.
6. WHEN USING TEMPORARY EROSION CONTROL BLANKETS OR BLOCK SOD, MULCH IS NOT REQUIRED.
7. BITUMINOUS TREATED ROVING MAY BE APPLIED ON PLANTED AREAS ON SLOPES, IN DITCHES OR DRY WATERWAYS TO PREVENT EROSION. BITUMINOUS TREATED ROVING SHALL BE APPLIED WITHIN 24 HOURS AFTER AN AREA HAS BEEN PLANTED. APPLICATION RATES AND MATERIALS MUST MEET GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.

APPROPRIATE SOD VARIETIES FOR ATLANTA

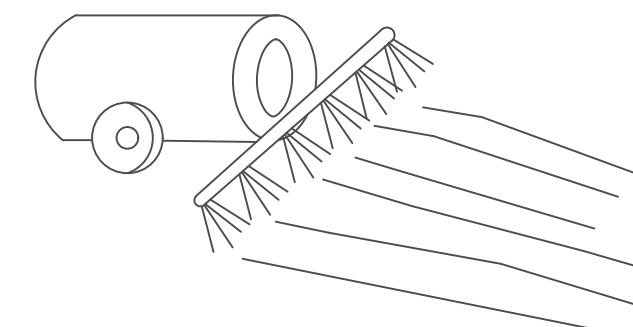
Table with columns: GRASS, VARIETY, GROWING SEASON. Rows include BERMUDA, COMMON TIFWAY, TIFGREEN, TIFLAWN, BAHIA, PENSACOLA, CENTIPEDE, WARM WEATHER, ZOYSIA, EMERALD MEYER, WARM WEATHER, TALL FESCUE, KENTUCKY, COOL WEATHER.

SOIL PREPARATION

BRING SOIL SURFACE TO FINAL GRADE. CLEAR SURFACE OF TRASH, WOODY DEBRIS, STONES AND CLODS LARGER THAN 1". APPLY SOD TO SOIL SURFACES ONLY AND NOT FROZEN SURFACES, OR GRAVEL TYPE SOILS. MIX FERTILIZER INTO SOIL SURFACE. FERTILIZE BASED ON SOIL TESTS OR GENERAL APPLICATION OF 10-10-10 @ 1000 LBS PER ACRE (1 LB /40 SQ. FT.).

Ds4 STABILIZATION WITH SODDING

DUST CONTROL



TEMPORARY METHODS MULCHES. SEE STANDARD DS1 - DISTURBED AREA STABILIZATION (WITH MULCHING ONLY). SYNTHETIC RESINS MAY BE USED INSTEAD OF ASPHALT TO BIND MULCH MATERIAL. REFER TO STANDARD TB-TACKIFIERS AND BINDERS.

VEGETATIVE COVER. SEE STANDARD DS2 - DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING).

SPRAY-ON ADHESIVES. THESE ARE USED ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS. REFER TO STANDARD TB-TACKIFIERS AND BINDERS.

TILLAGE. THIS PRACTICE IS DESIGNED TO ROUGHEN AND BRING CLODS TO THE SURFACE. IT IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE WIND EROSION STARTS.

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, SNOWFENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 15 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING WIND EROSION.

CALCIUM CHLORIDE. APPLY AT RATE THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.

PERMANENT METHODS PERMANENT VEGETATION. SEE STANDARD DS3 - DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION). EXISTING TREES AND LARGE SHRUBS MAY AFFORD VALUABLE PROTECTION IF LEFT IN PLACE.

TOPSOILING. THIS ENTAILS COVERING THE SURFACE WITH LESS EROSION SOIL MATERIAL. SEE STANDARD TP - TOPSOILING.

STONE. COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL. SEE STANDARD CR-CONSTRUCTION ROAD STABILIZATION.

Du DUST CONTROL

FILE C:\USERS\JOSEPH\DESKTOP\PHC 100% PHC - NON-DESIGN SHEET.DWG SAVED BY: JOSEPH N. SAUNDERS DATE: 11/15/2019 2:18 PM

Benchmark Management logo and address: BENCHMARK MANAGEMENT LLC, 100 PEACHTREE STREET, SUITE 1900, ATLANTA, GA 30303.

SUBMITTED: LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY). PROJECT MANAGER, DATE: 11/15/2019, DESIGNED BY: TJ, DRAWN BY: TJ, CHECKED BY: RC, APPROVED BY: EA.

Professional Engineer Seal for Esler, dated 11/15/2019.

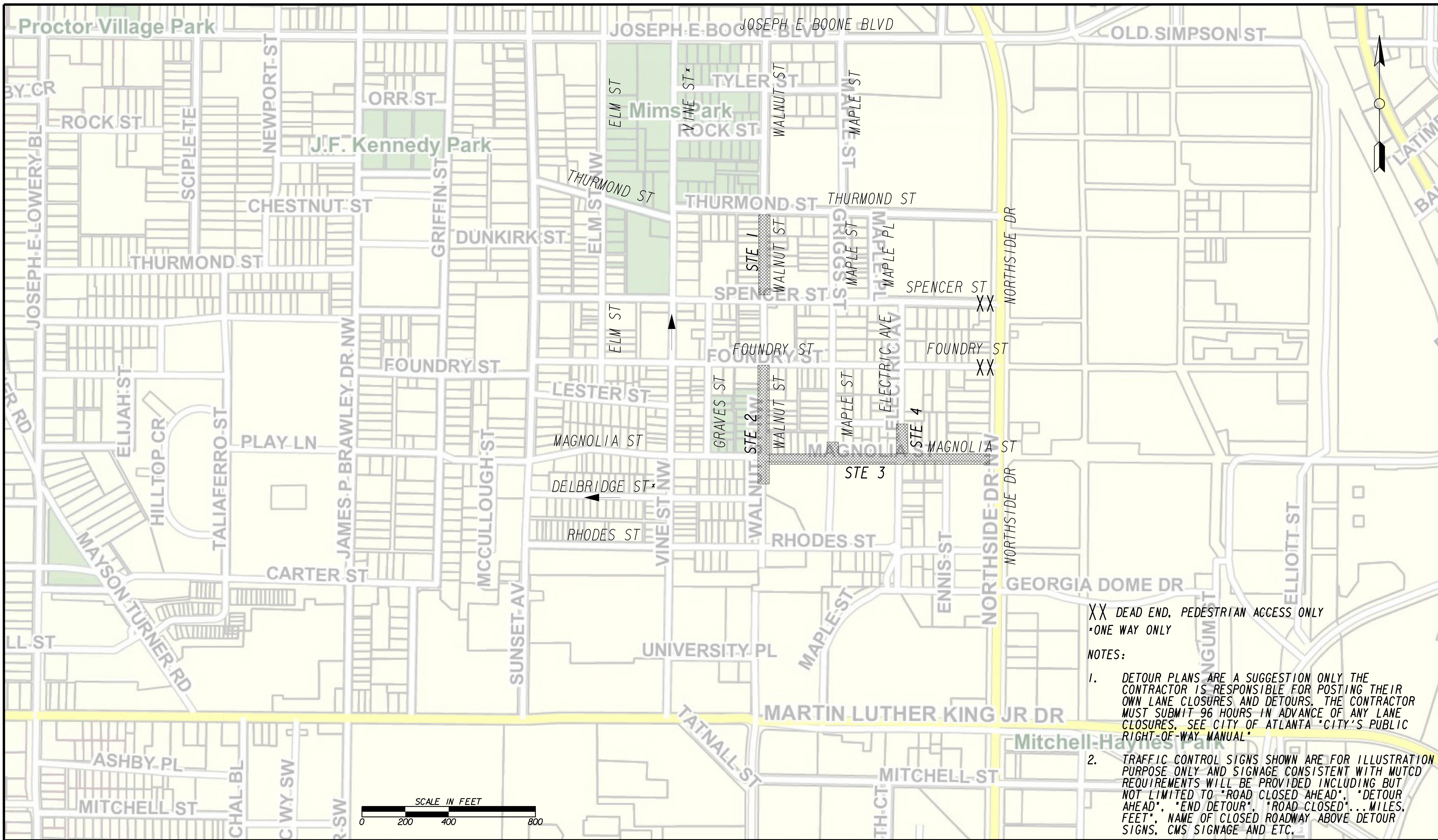
PLAT CARDS table with columns: REV., DATE, BY, CHK., APP., DESCRIPTION. Rows include 52, 675, 111, 112, 945.

REVISIONS table with columns: REV., DATE, BY, CHK., APP., DESCRIPTION.

Logos for City of Atlanta Department of Watershed Management and Upper Proctor Creek Capacity Relief Project in Historic Vine City - Phase C Bid Documents.

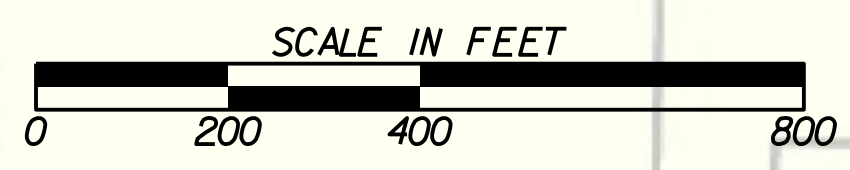
EROSION AND SEDIMENTATION CONTROL NPDES DETAILS

FILE NAME: UPC 100% PHC - NON-DESIGN SHEET.DWG. PROJECT NUMBER: 3089 A/E. CLIENT PROJECT NUMBER: DRAWING NUMBER: ES-405.



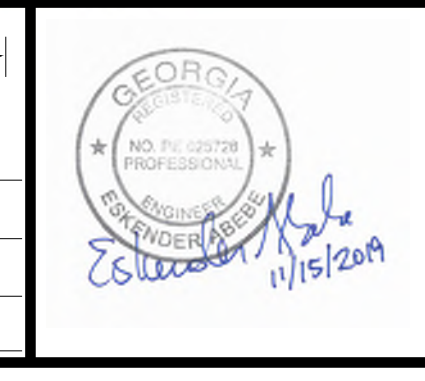
XX DEAD END, PEDESTRIAN ACCESS ONLY
 *ONE WAY ONLY
 NOTES:

1. DETOUR PLANS ARE A SUGGESTION ONLY THE CONTRACTOR IS RESPONSIBLE FOR POSTING THEIR OWN LANE CLOSURES AND DETOURS. THE CONTRACTOR MUST SUBMIT 96 HOURS IN ADVANCE OF ANY LANE CLOSURES. SEE CITY OF ATLANTA "CITY'S PUBLIC RIGHT-OF-WAY MANUAL"
2. TRAFFIC CONTROL SIGNS SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY AND SIGNAGE CONSISTENT WITH MUTCD REQUIREMENTS WILL BE PROVIDED INCLUDING BUT NOT LIMITED TO "ROAD CLOSED AHEAD", "DETOUR AHEAD", "END DETOUR", "ROAD CLOSED"... MILES, FEET", NAME OF CLOSED ROADWAY ABOVE DETOUR SIGNS, CMS SIGNAGE AND ETC.



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 BENCHMARK MANAGEMENT LLC
 100 PEACHTREE STREET
 SUITE 1900
 ATLANTA, GA 30303
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 FAX: (404) 581-0158

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 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
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 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____

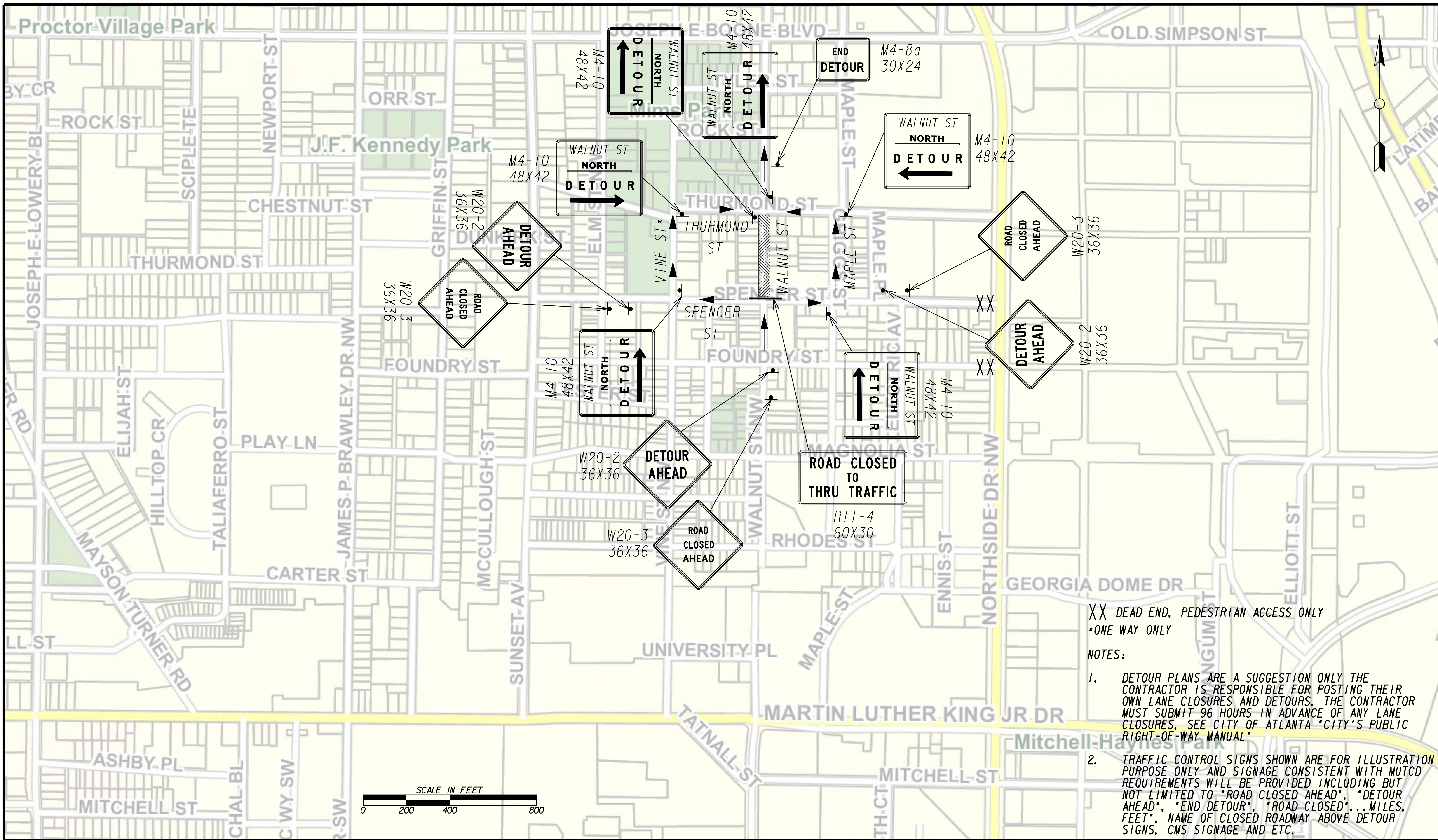


PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

CITY OF ATLANTA DEPARTMENT OF watershed management
 UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

TRAFFIC CONTROL

FILE NAME: 738312-20-0000
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **RSD-100**



XX DEAD END, PEDESTRIAN ACCESS ONLY
 *ONE WAY ONLY

NOTES:

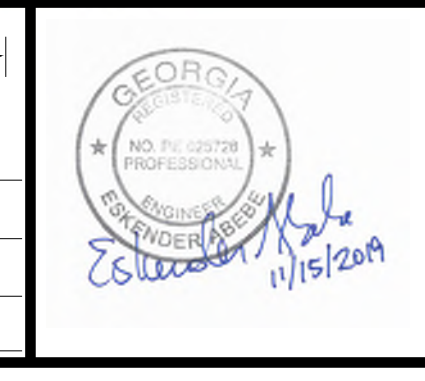
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PROJECT MANAGER: _____
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DESIGNED BY: _____
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 APPROVED BY: _____



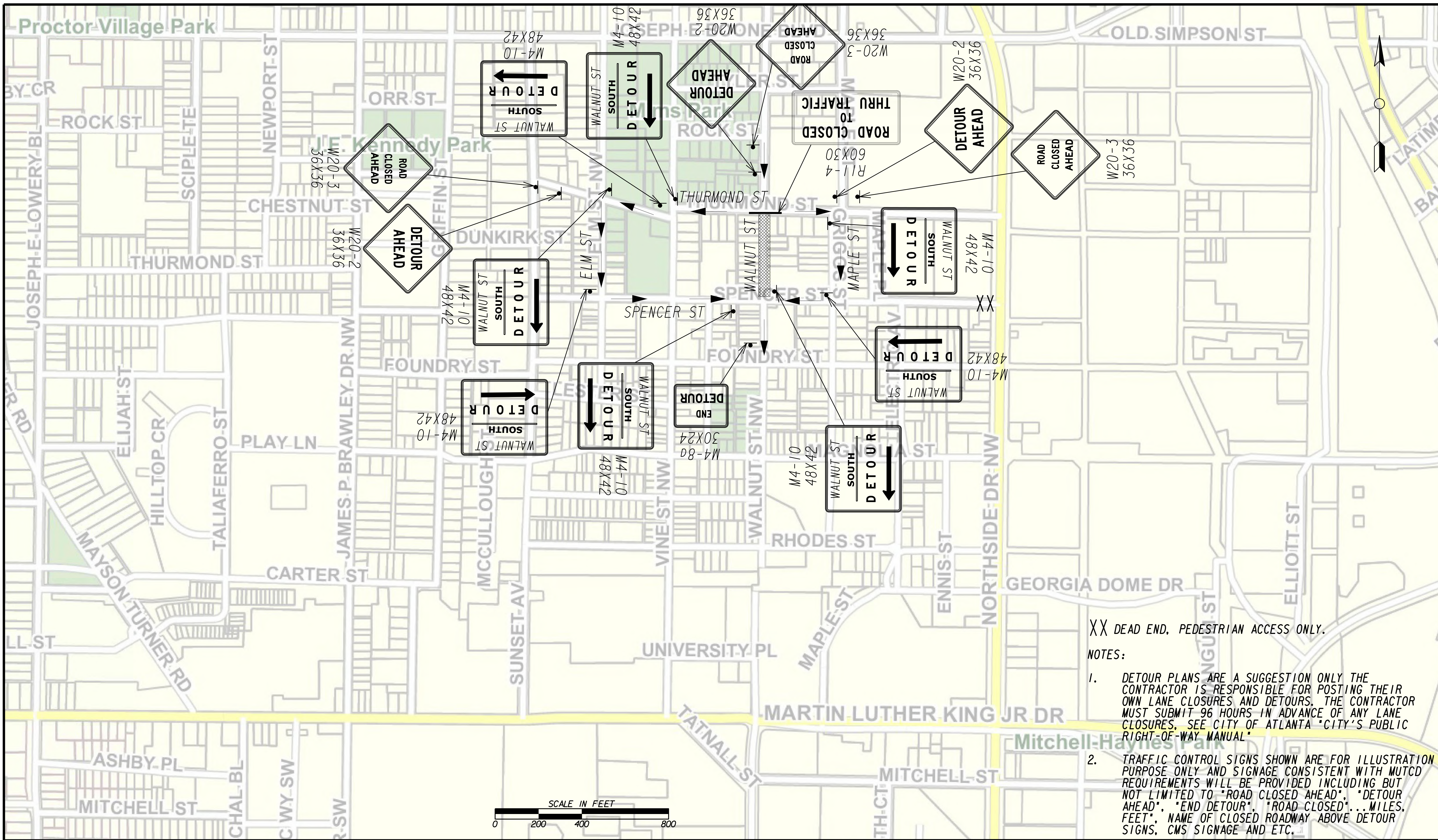
PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

CITY OF ATLANTA DEPARTMENT OF watershed management

UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

**TRAFFIC CONTROL
 STAGE 1 NORTH**

FILE NAME: 7383112-20-0004
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **RSD-101**



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 TEL: (404) 581-9656
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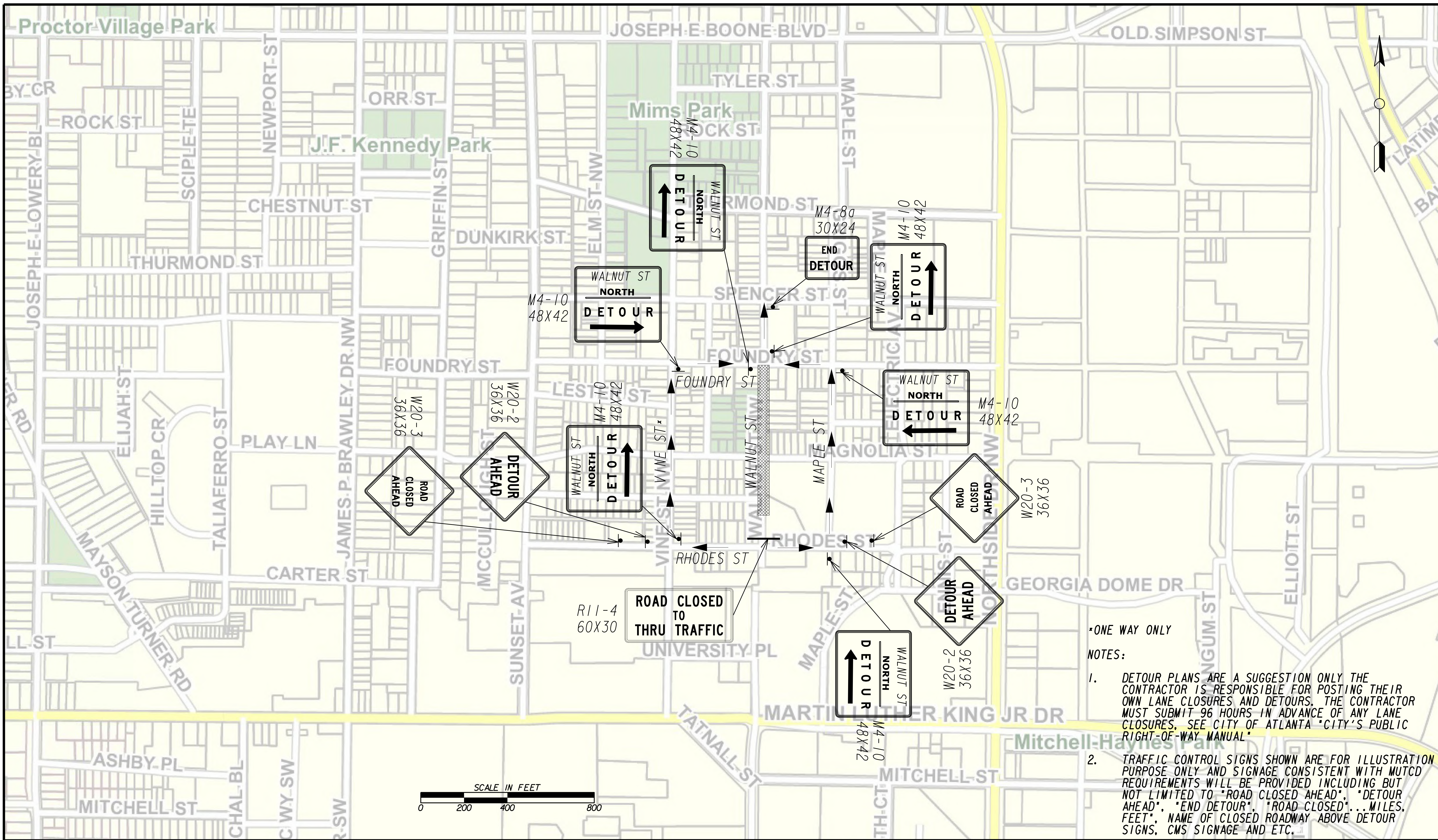


PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

CITY OF ATLANTA DEPARTMENT OF watershed management
 UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

**TRAFFIC CONTROL
 STAGE 1 SOUTH**

FILE NAME: 7383112-20-0004
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **RSD-102**



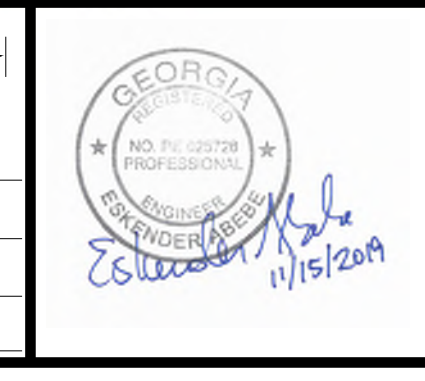
*ONE WAY ONLY

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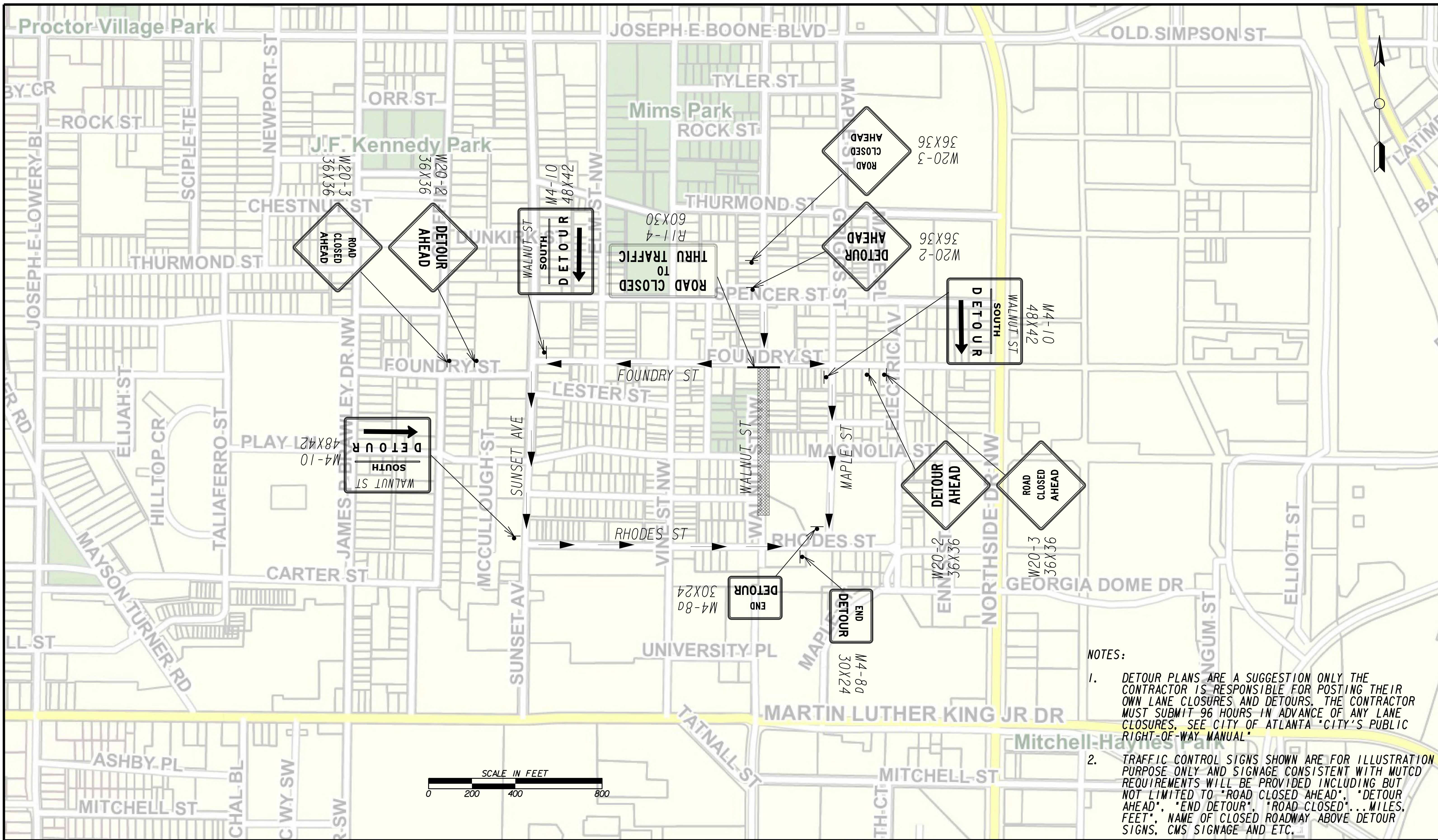


PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

**UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS**

TRAFFIC CONTROL STAGE 2 NORTH

FILE NAME: 7383112-20-0022
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **RSD-103**

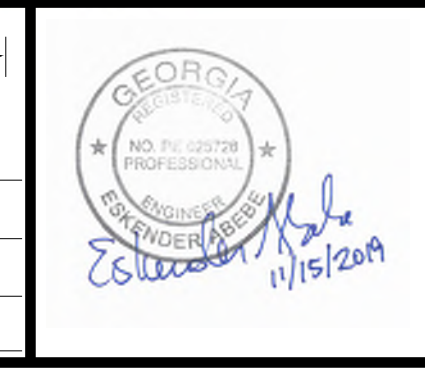


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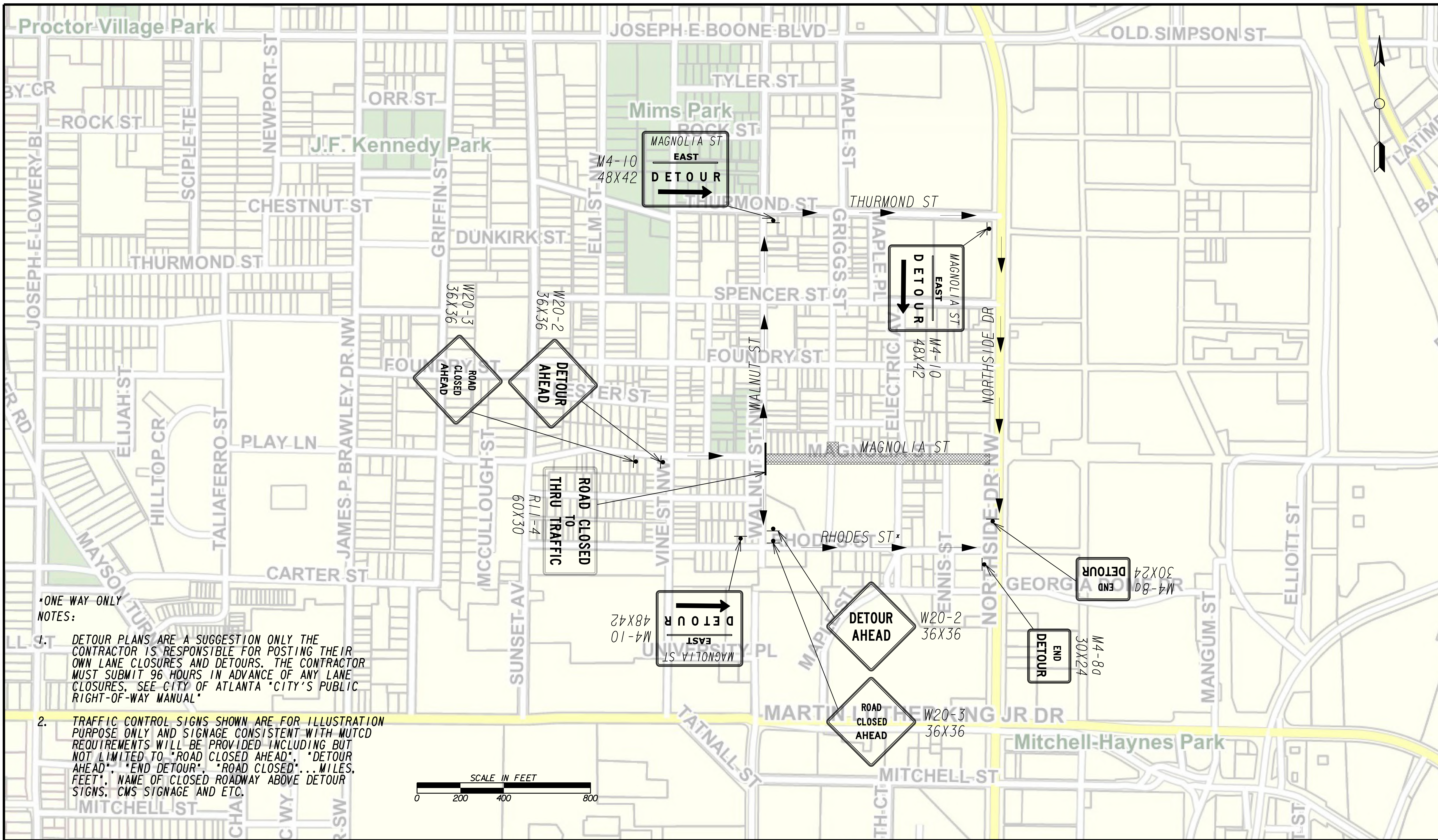


PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

**UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS**

**TRAFFIC CONTROL
 STAGE 2 SOUTH**

FILE NAME: 7383112-20-0023
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **RSD-104**



- *ONE WAY ONLY NOTES:**
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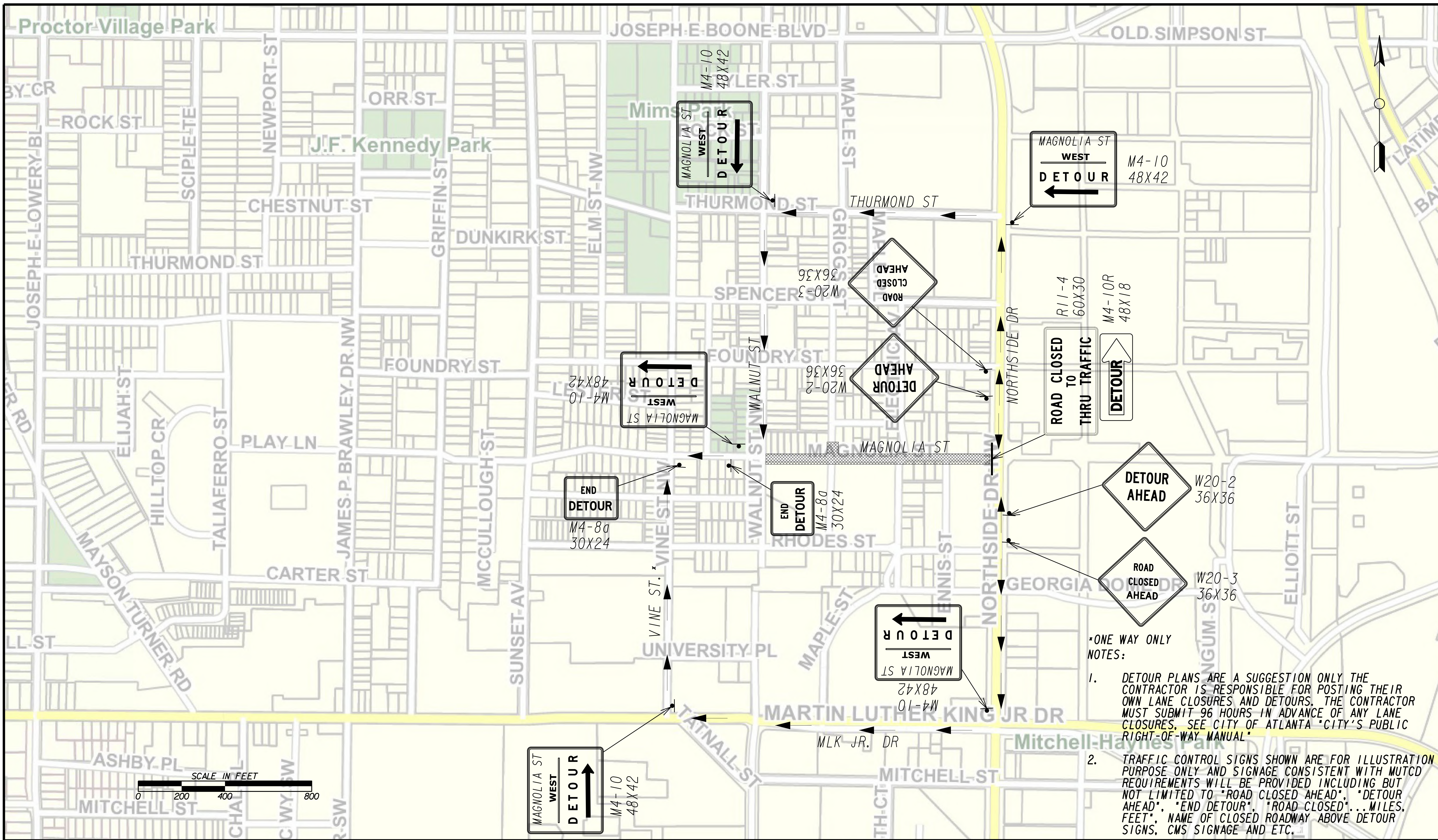


PLAT CARDS		REVISIONS			
REV.	DATE	BY	CHK.	APP.	DESCRIPTION

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

TRAFFIC CONTROL STAGE 3 EAST

FILE NAME 7383112-20-0024
BMMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER RSD-105



***ONE WAY ONLY NOTES:**

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 BENCHMARK MANAGEMENT LLC
 100 PEACHTREE STREET
 SUITE 1900
 ATLANTA, GA 30303
 TEL: (404) 581-9656
 FAX: (404) 581-0158

SUBMITTED: PROJECT MANAGER DATE:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
DESIGNED BY: DRAWN BY: CHECKED BY: APPROVED BY:	

PLAT CARDS						REVISIONS	
REV.	DATE	BY	CHK.	APP.	DESCRIPTION		

CITY OF ATLANTA DEPARTMENT OF watershed management
 UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

TRAFFIC CONTROL STAGE 3 WEST

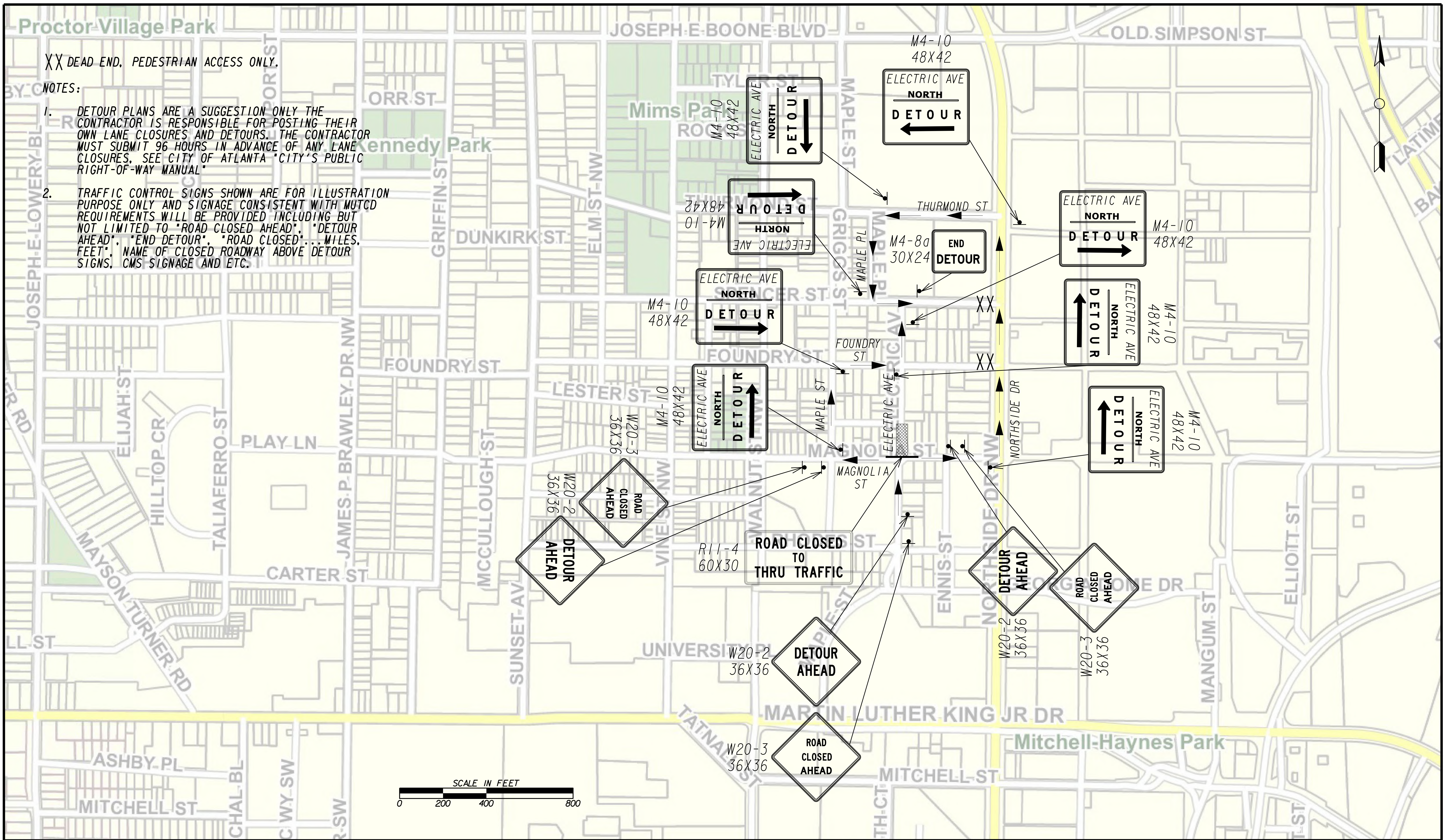
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Proctor Village Park

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NOTES:

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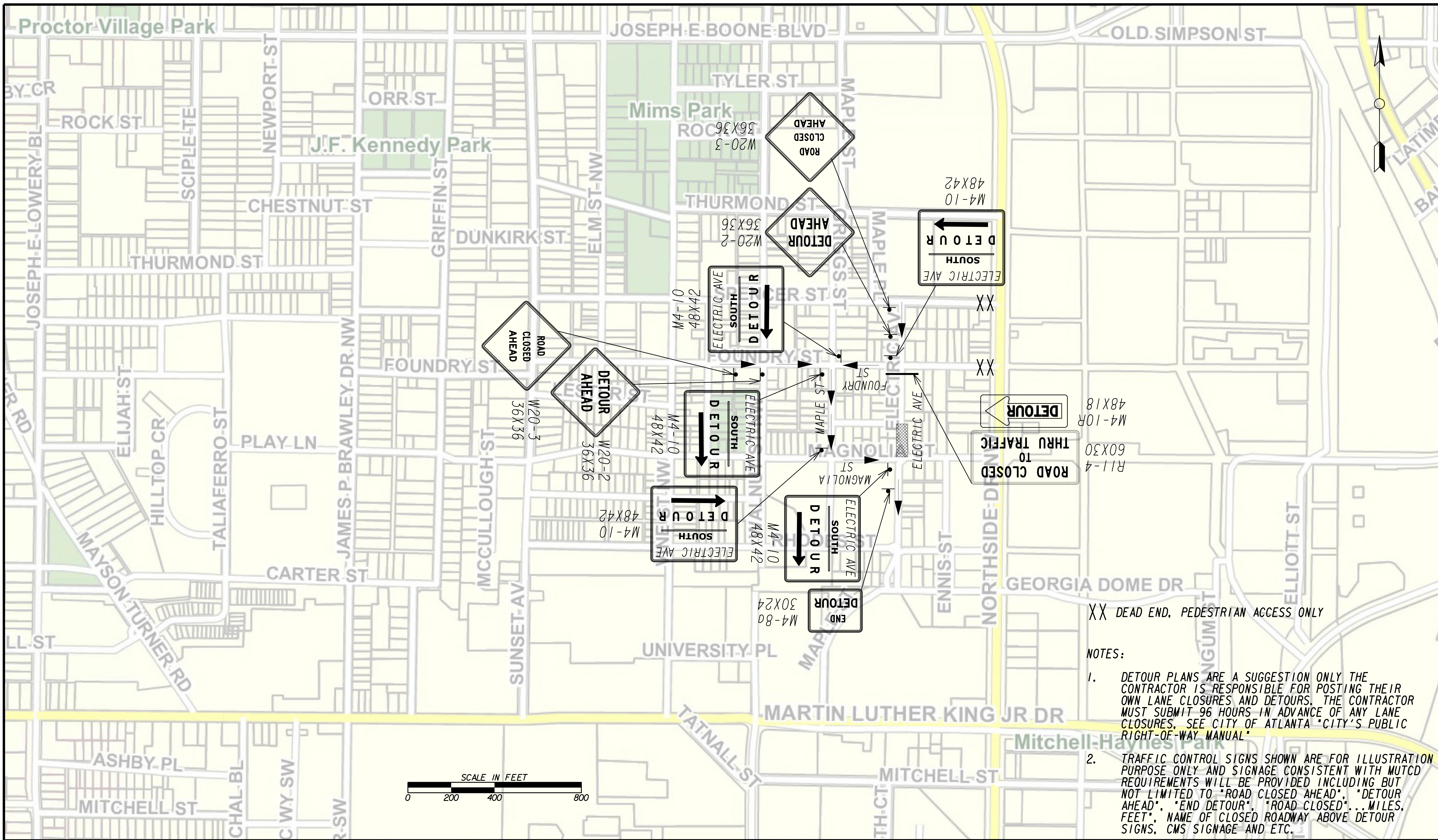


PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

**UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS**

**TRAFFIC CONTROL
 STAGE 4 NORTH**

FILE NAME: 7383112-20-0028
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **RSD-107**



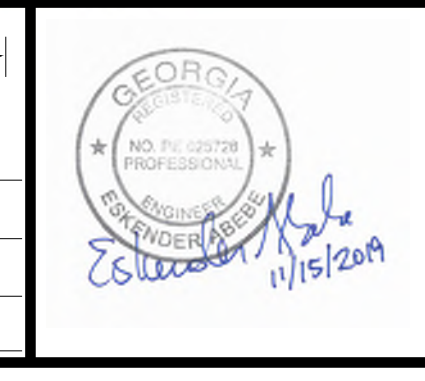
XX DEAD END. PEDESTRIAN ACCESS ONLY

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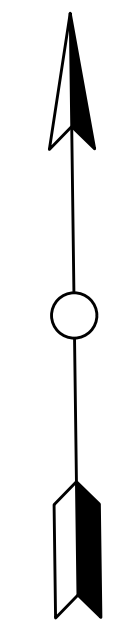


PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

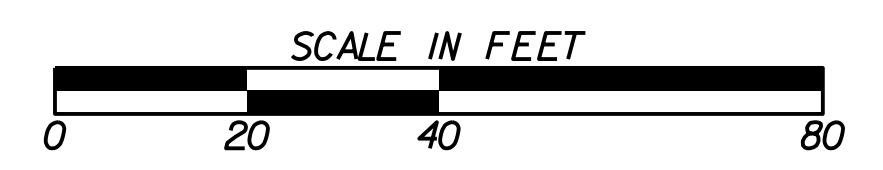
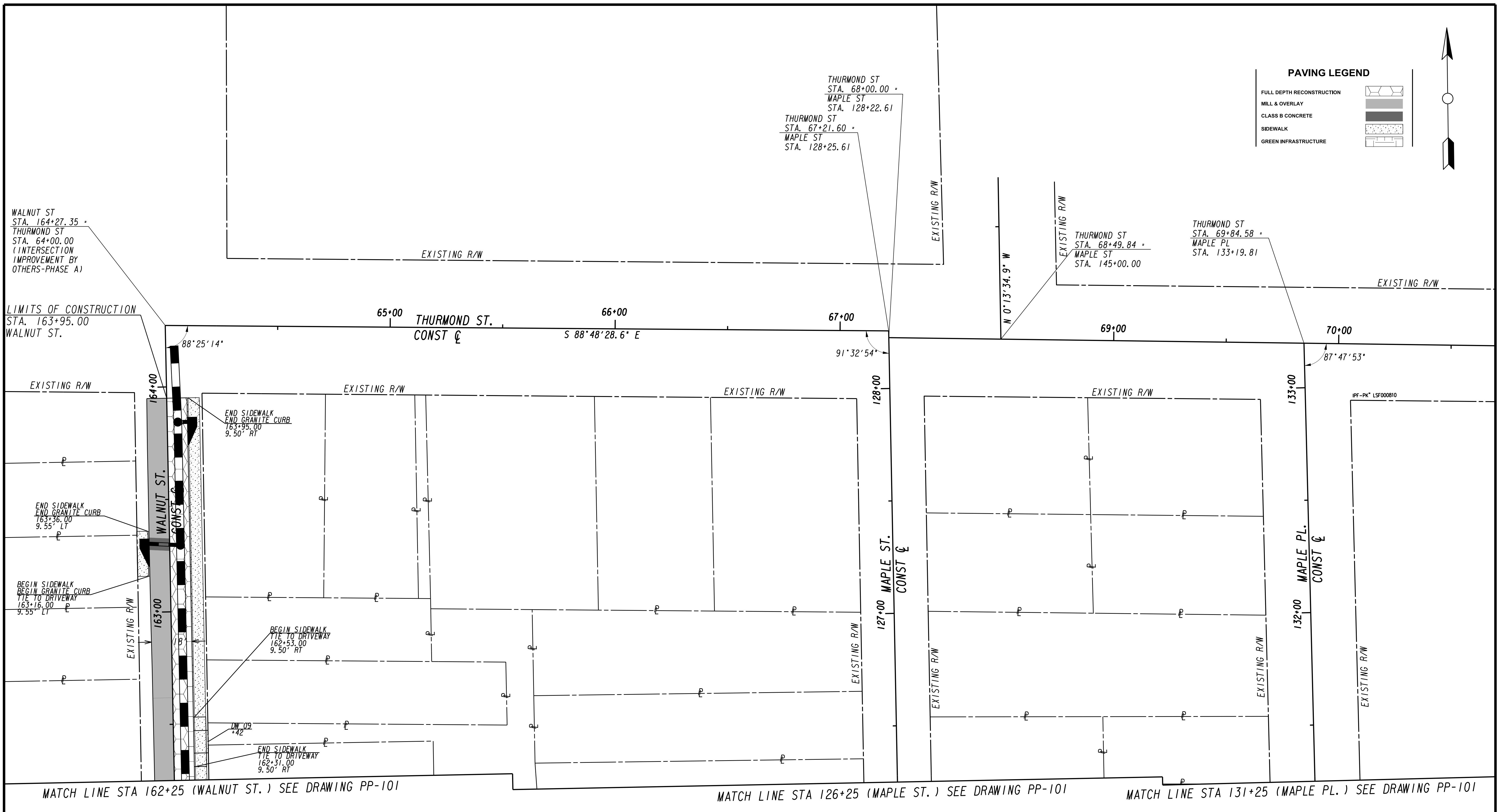
TRAFFIC CONTROL STAGE 4 SOUTH

FILE NAME 7383112-20-0029
BMMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER RSD-108



PAVING LEGEND

FULL DEPTH RECONSTRUCTION	
MILL & OVERLAY	
CLASS B CONCRETE	
SIDEWALK	
GREEN INFRASTRUCTURE	



SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
PROJECT MANAGER:	
DATE:	DESIGNED BY:
APPROVED:	DRAWN BY:
DATE:	CHECKED BY:
	APPROVED BY:



PLAT CARDS					
REV.	DATE	BY	CHK.	APP.	DESCRIPTION

CITY OF ATLANTA DEPARTMENT OF watershed management

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

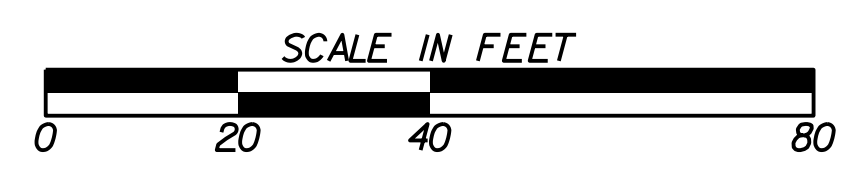
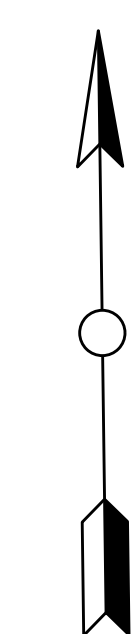
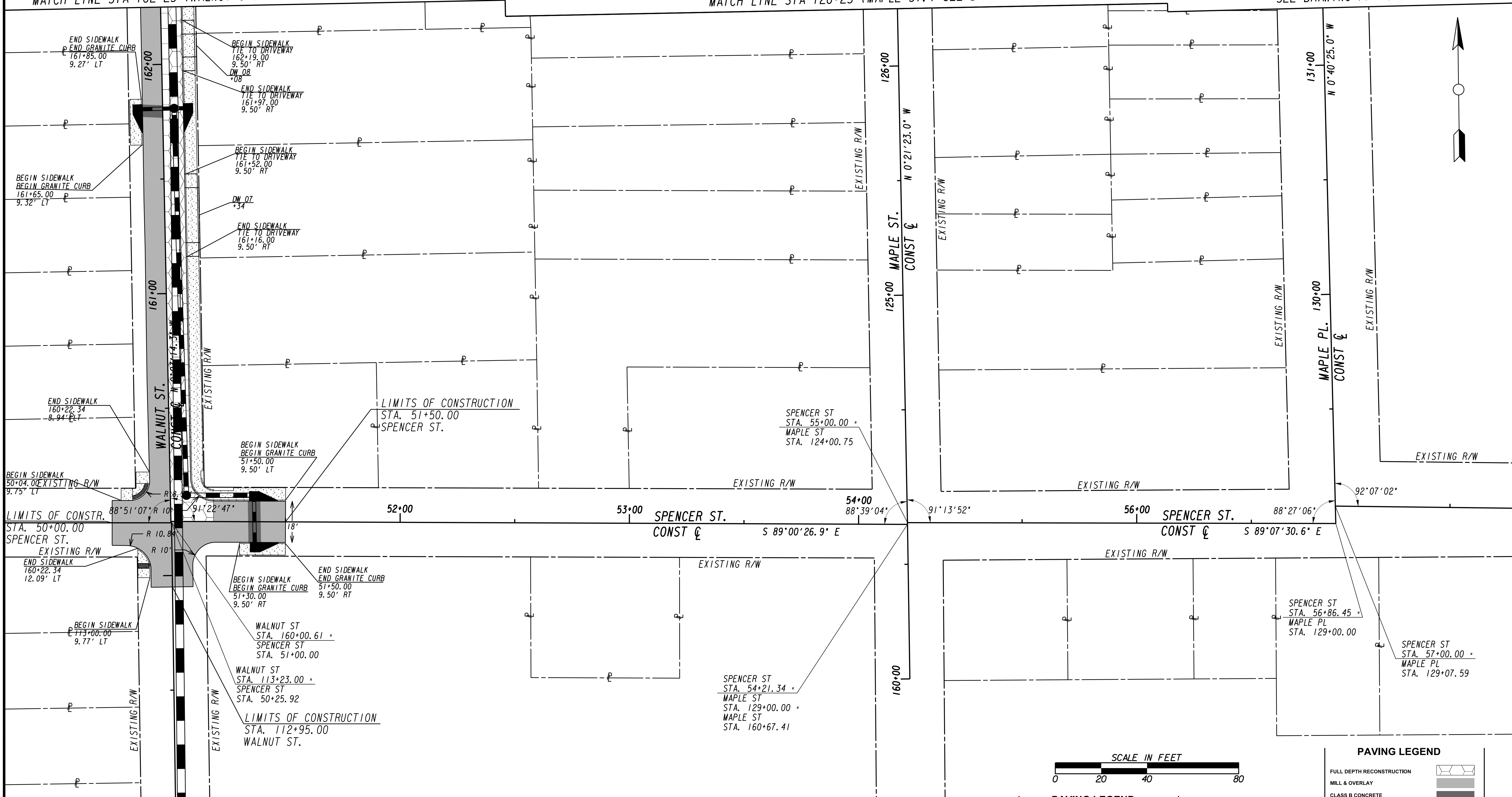
PAVING PLANS

FILE NAME	7383112-
BMLLC PROJECT NUMBER	3089 A/E T.O. # 19
CLIENT PROJECT NUMBER	FC-7383F
DRAWING NUMBER	PP-100

MATCH LINE STA 162+25 (WALNUT ST.) SEE DRAWING PP-100

MATCH LINE STA 126+25 (MAPLE ST.) SEE DRAWING PP-100

MATCH LINE STA 131+25 (MAPLE PL.) SEE DRAWING PP-100



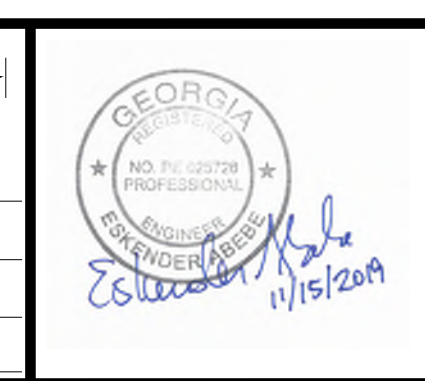
PAVING LEGEND

FULL DEPTH RECONSTRUCTION	
MILL & OVERLAY	
CLASS B CONCRETE	
SIDEWALK	
GREEN INFRASTRUCTURE	

MATCH LINE STA 112+00 (WALNUT ST.) SEE DRAWING NO. PP-102

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100 PEACHTREE STREET
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PLAT CARDS

REV.	DATE	BY	CHK.	APP.	DESCRIPTION

CITY OF ATLANTA DEPARTMENT OF watershed management
UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
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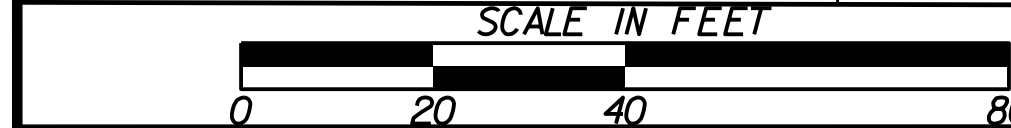
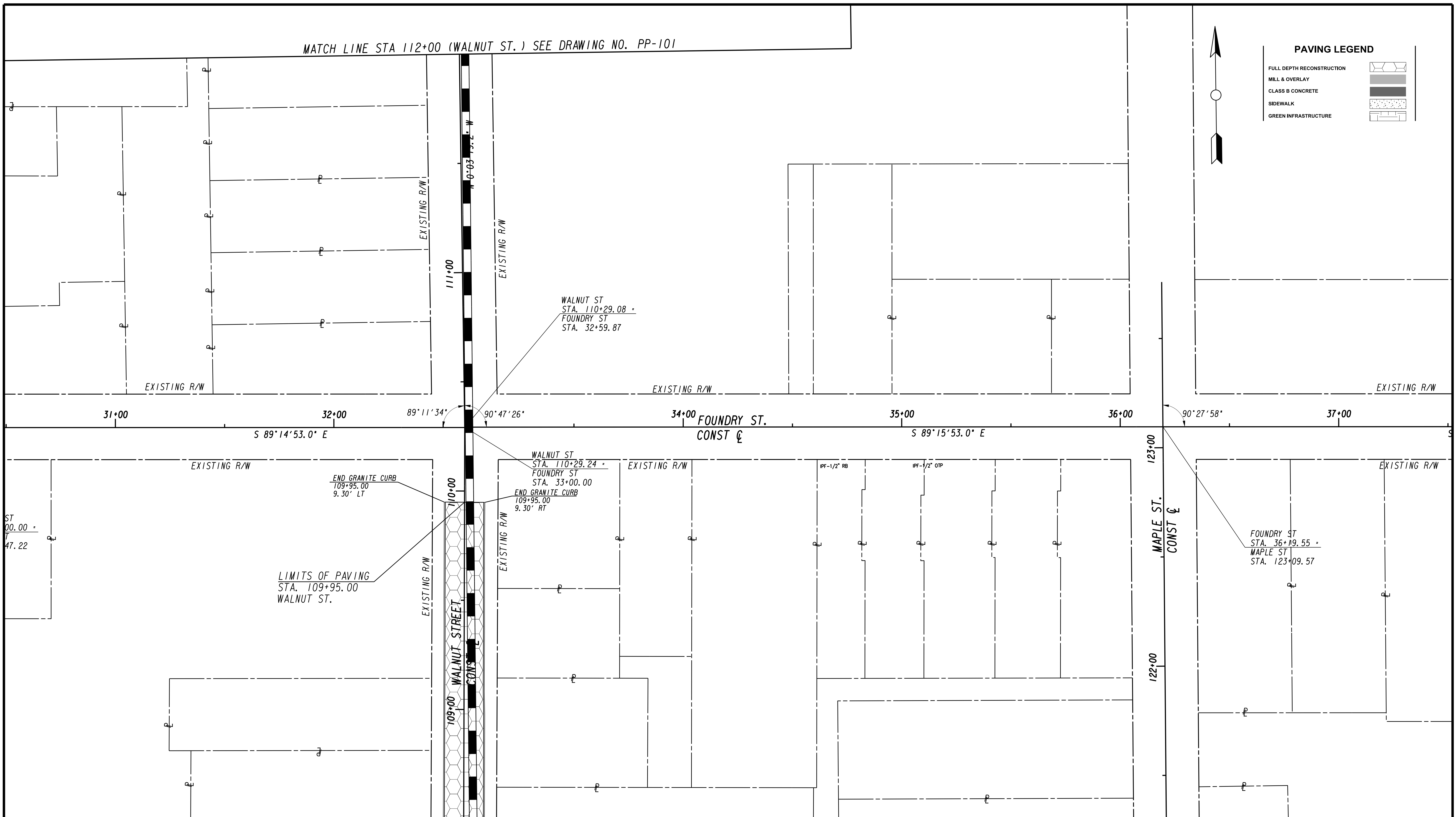
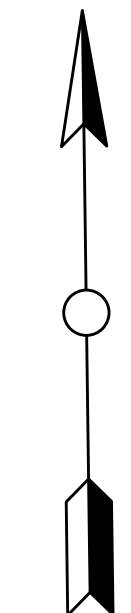
PAVING PLANS

FILE NAME 7383112-
BMMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER PP-101

MATCH LINE STA 112+00 (WALNUT ST.) SEE DRAWING NO. PP-101

PAVING LEGEND

- FULL DEPTH RECONSTRUCTION
- MILL & OVERLAY
- CLASS B CONCRETE
- SIDEWALK
- GREEN INFRASTRUCTURE



MATCH LINE STA. 108+50 (WALNUT ST.) SEE DRAWING No. PP-103

BENCHMARK Management
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

SUBMITTED: _____
PROJECT MANAGER

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

CHECKED BY: _____

APPROVED BY: _____

APPROVED: _____

DATE: _____



PLAT CARDS					REVISIONS	
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

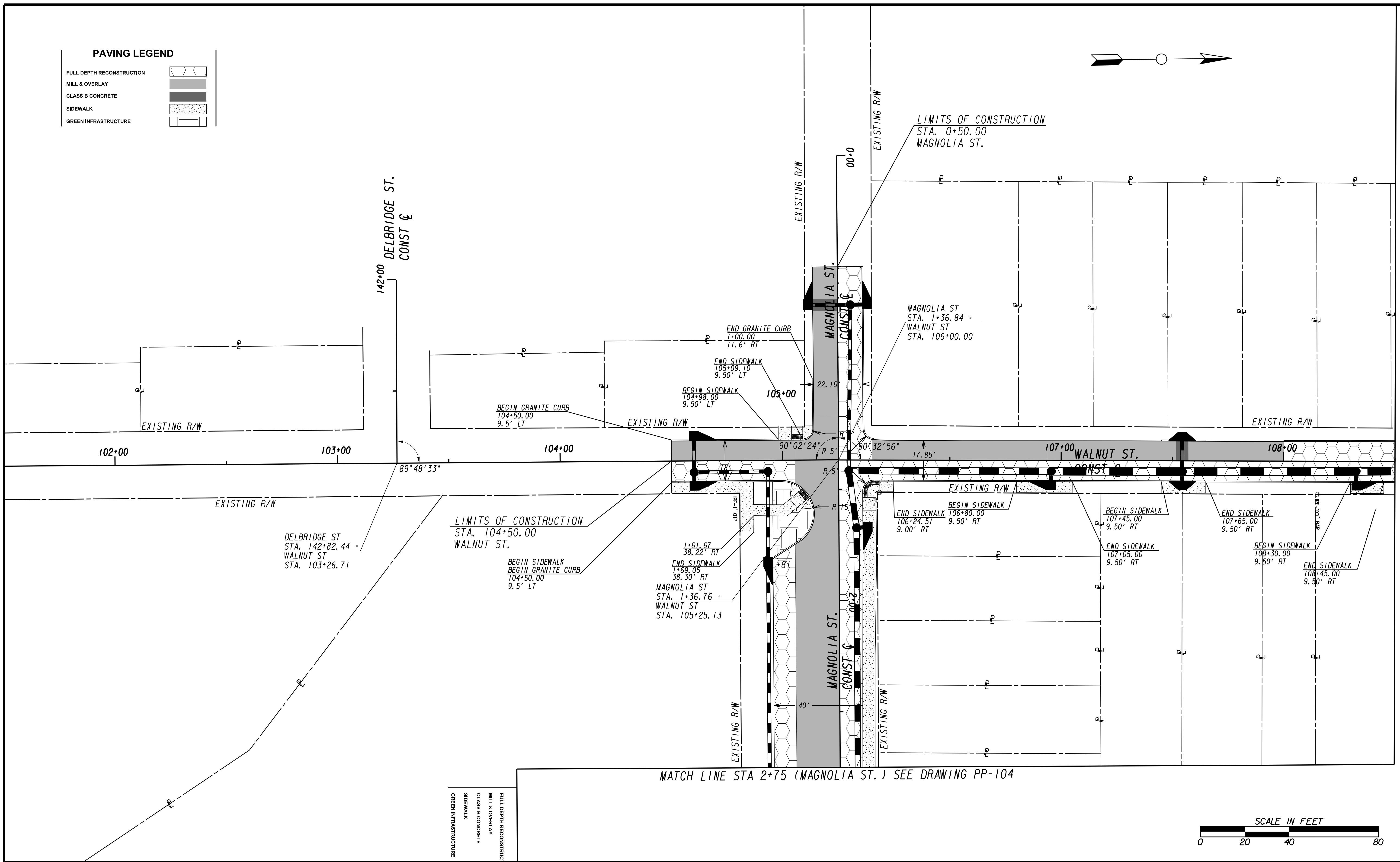
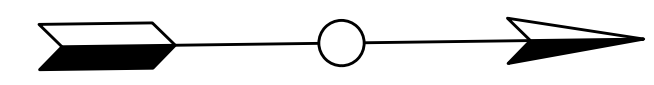
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

PAVING PLANS

FILE NAME 7383112-
BMMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER PP-102

PAVING LEGEND

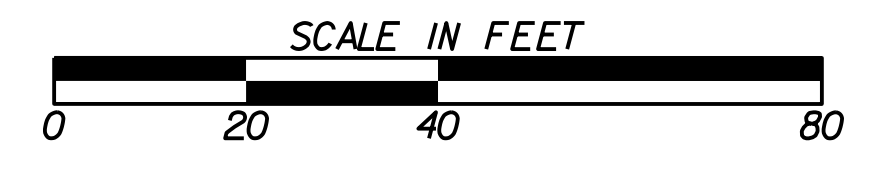
FULL DEPTH RECONSTRUCTION	
MILL & OVERLAY	
CLASS B CONCRETE	
SIDEWALK	
GREEN INFRASTRUCTURE	



MATCH LINE STA. 108+50 (WALNUT ST.) SEE DRAWING No. PP-102

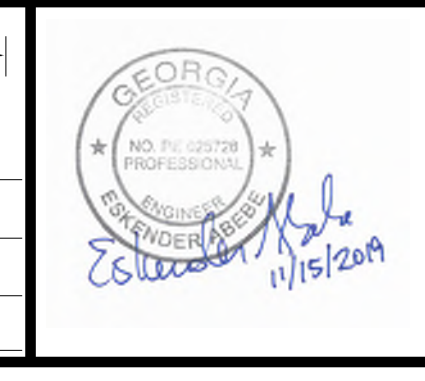
FULL DEPTH RECONSTRUCTION
 MILL & OVERLAY
 CLASS B CONCRETE
 SIDEWALK
 GREEN INFRASTRUCTURE

MATCH LINE STA 2+75 (MAGNOLIA ST.) SEE DRAWING PP-104



Benchmark Management
 BENCHMARK MANAGEMENT LLC
 100 PEACHTREE STREET
 SUITE 1900
 ATLANTA, GA 30303
 TEL: (404) 581-9656
 FAX: (404) 581-0158

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
PROJECT MANAGER	DESIGNED BY:
DATE:	DRAWN BY:
APPROVED:	CHECKED BY:
DATE:	APPROVED BY:



PLAT CARDS						REVISIONS	
REV.	DATE	BY	CHK.	APP.	DESCRIPTION		

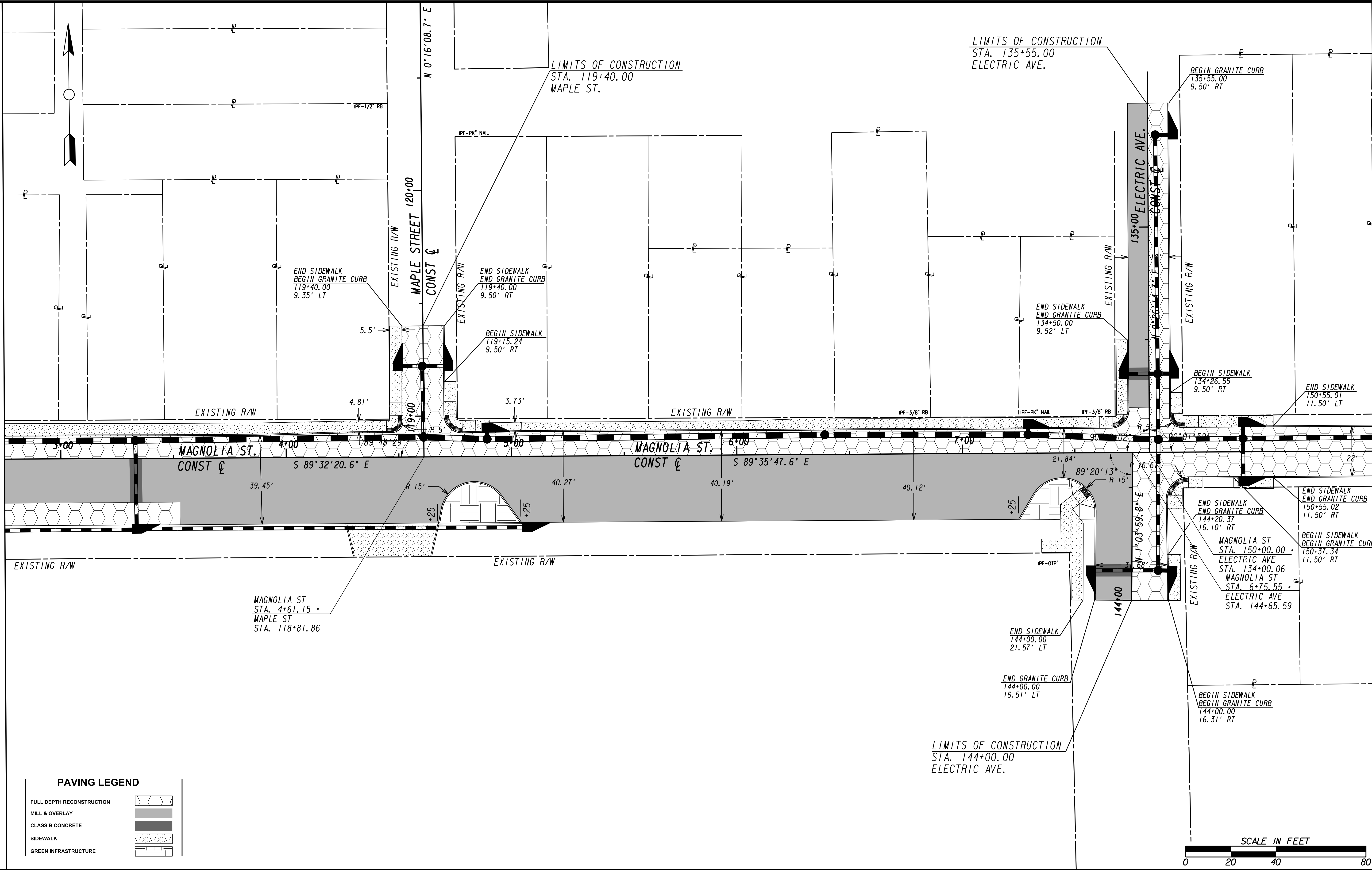
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

PAVING PLANS

FILE NAME 7383112-
BIMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER PP-103

MATCH LINE STA 2+75 (MAGNOLIA ST.) SEE DRAWING PP-103

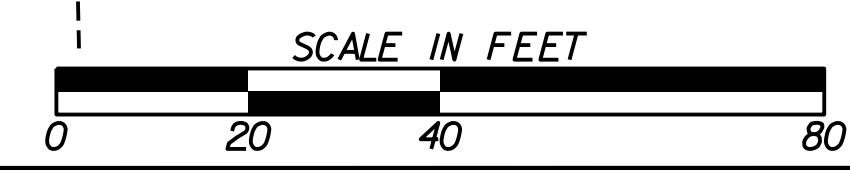
MATCH LINE STA 151+00 (MAGNOLIA ST.) SEE DRAWING PP-105



PAVING LEGEND

FULL DEPTH RECONSTRUCTION	
MILL & OVERLAY	
CLASS B CONCRETE	
SIDEWALK	
GREEN INFRASTRUCTURE	

LIMITS OF CONSTRUCTION
STA. 144+00.00
ELECTRIC AVE.



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BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

SUBMITTED: _____
PROJECT MANAGER

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

CHECKED BY: _____

APPROVED BY: _____

APPROVED: _____
DATE: _____



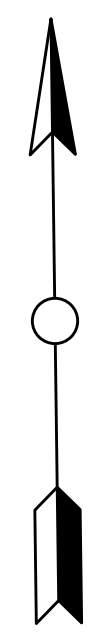
PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

CITY OF ATLANTA DEPARTMENT OF watershed management

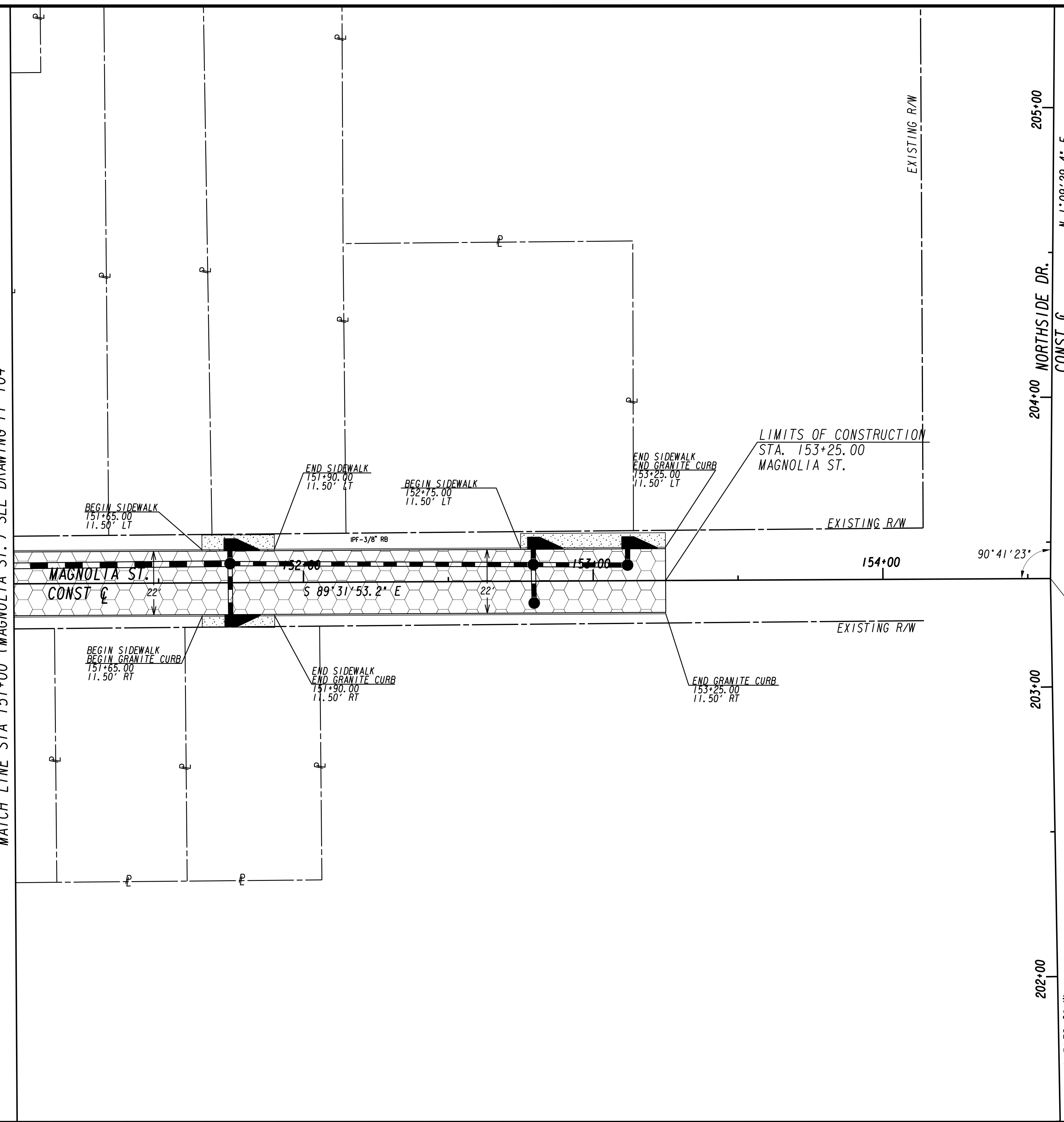
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

PAVING PLANS

FILE NAME: 7383112-
BMMLLC PROJECT NUMBER: 3089 A/E T.O.# 19
CLIENT PROJECT NUMBER: FC-7383F
DRAWING NUMBER: **PP-104**



MATCH LINE STA 151+00 (MAGNOLIA ST.) SEE DRAWING PP-104



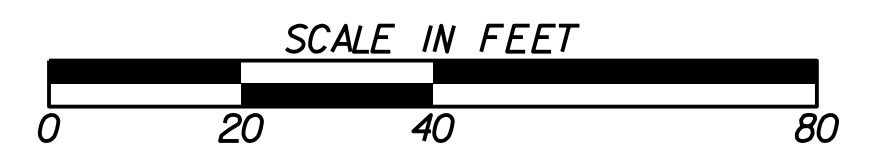
205+00
204+00
203+00
202+00
NORTH SIDE DR.
CONST C
N 1°09'29.4" E
N 0°15'39.6" W

LIMITS OF CONSTRUCTION
STA. 153+25.00
MAGNOLIA ST.

MAGNOLIA ST
STA. 154+57.83
NORTH SIDE DR
STA. 203+37.43

PAVING LEGEND

- FULL DEPTH RECONSTRUCTION
- MILL & OVERLAY
- CLASS B CONCRETE
- SIDEWALK
- GREEN INFRASTRUCTURE



Benchmark Management
wsp
BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

SUBMITTED: _____
PROJECT MANAGER

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

CHECKED BY: _____

APPROVED BY: _____

DATE: _____



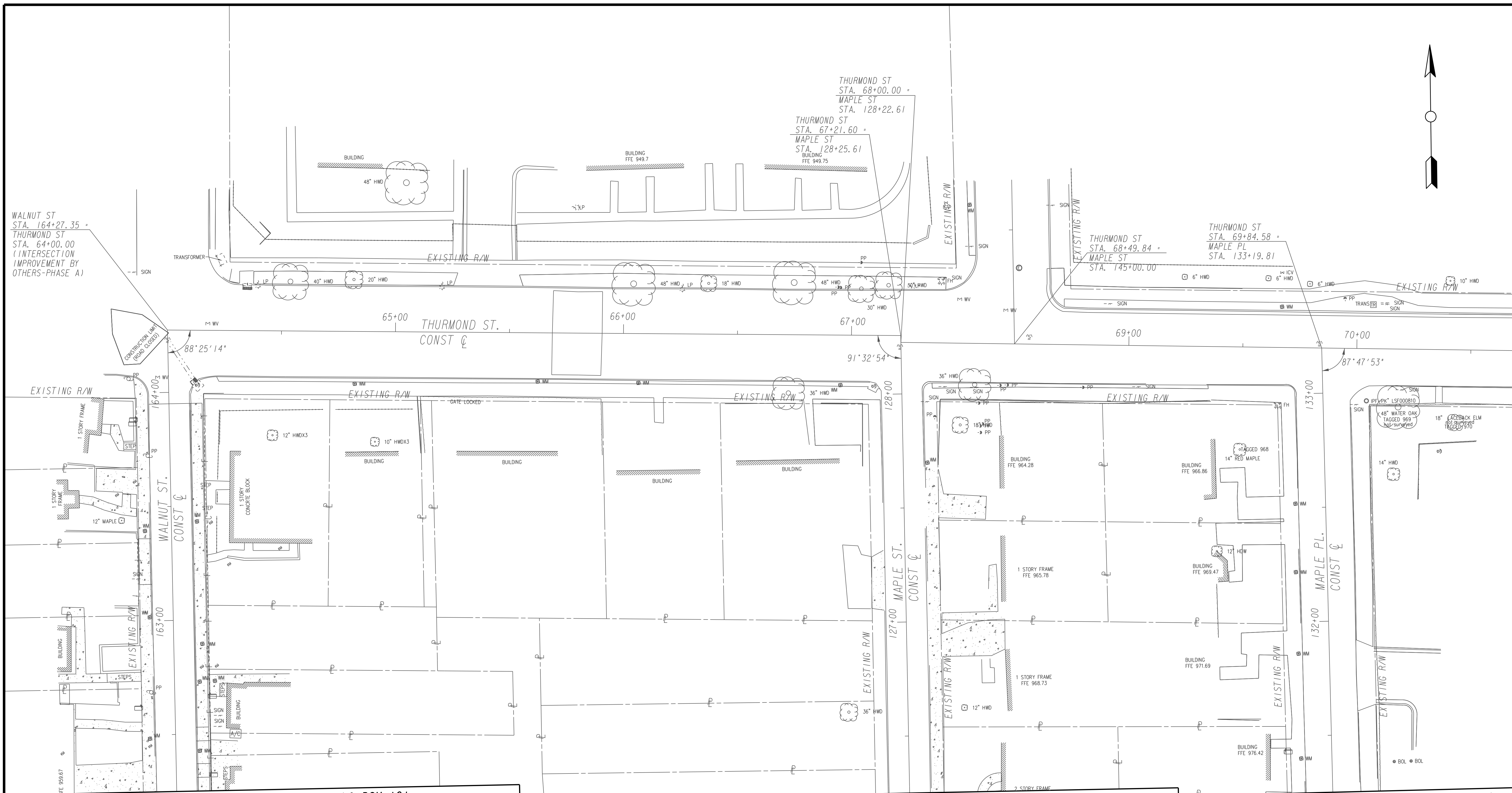
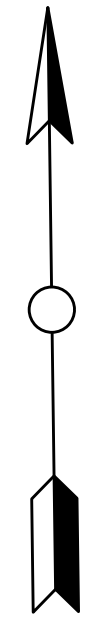
PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

CITY OF ATLANTA DEPARTMENT OF watershed management

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

PAVING PLANS

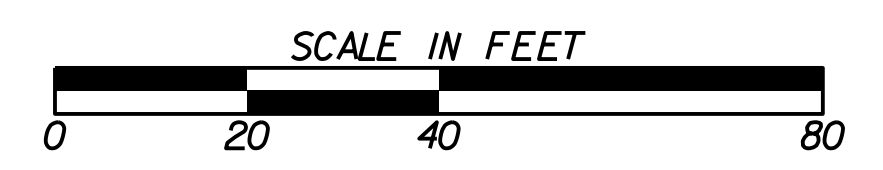
FILE NAME: 7383112-
BMMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER: FC-7383F
DRAWING NUMBER: **PP-105**



MATCH LINE STA 162+75 (WALNUT ST.) SEE DRAWING RSM-101

MATCH LINE STA 126+75 (MAPLE ST.) SEE DRAWING RSM-101


MATCH LINE STA 131+75 (MAPLE PL.) SEE DRAWING RSM-101



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED: _____
 DATE: _____
 APPROVED BY: _____



PLAT CARDS					
REV.	DATE	BY	CHK.	APP.	DESCRIPTION



**UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS**

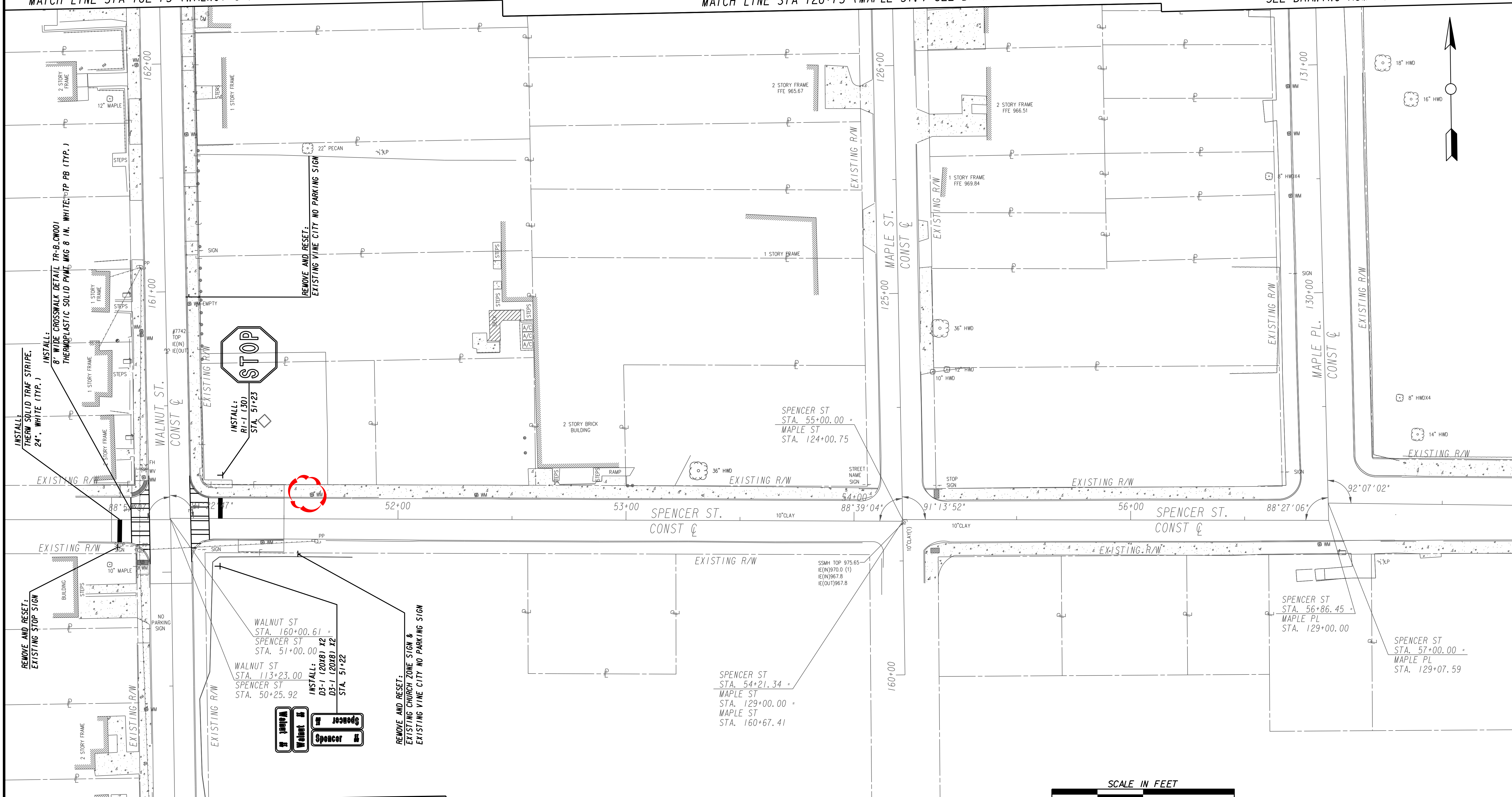
SIGNING & MARKING PLANS

FILE NAME: 7383112-
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **RSM-100**

MATCH LINE STA 162+75 (WALNUT ST.) SEE DRAWING RSM-100

MATCH LINE STA 126+75 (MAPLE ST.) SEE DRAWING RSM-100

MATCH LINE STA 131+75 (MAPLE PL.) SEE DRAWING RSM-100



MATCH LINE STA 112+00 (WALNUT ST.) SEE DRAWING NO. RSM-102



SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
PROJECT MANAGER:	DESIGNED BY:
DATE:	DRAWN BY:
APPROVED:	CHECKED BY:
DATE:	APPROVED BY:



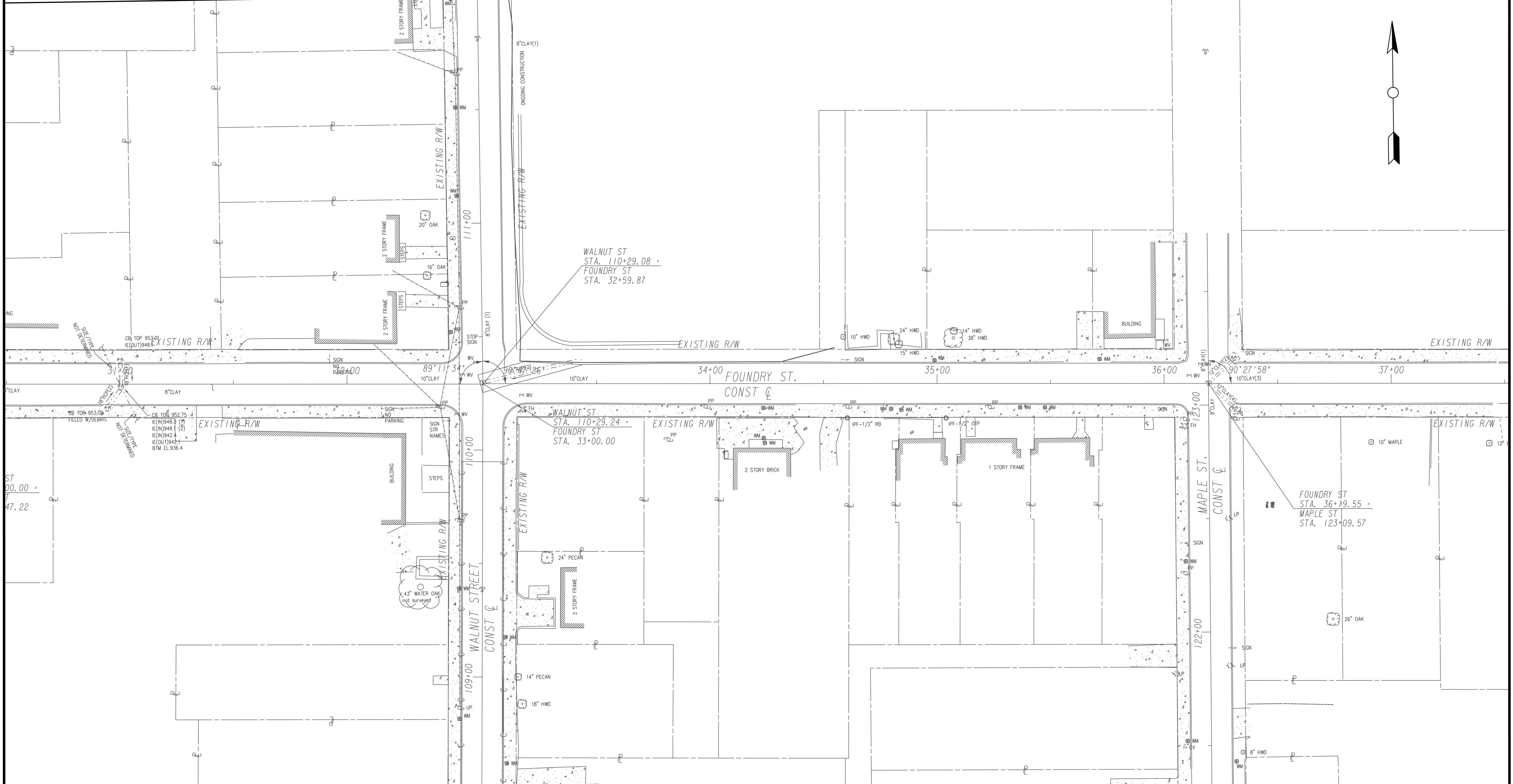
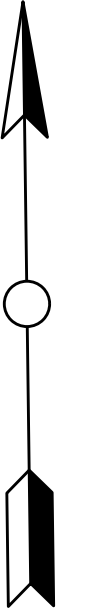
PLAT CARDS						REVISIONS	
REV.	DATE	BY	CHK.	APP.	DESCRIPTION		

CITY OF ATLANTA DEPARTMENT OF watershed management
UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS

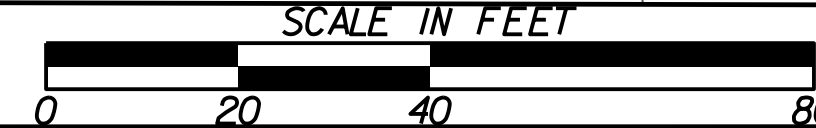
SIGNING & MARKING PLANS

FILE NAME 7383112-
BMMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER RSM-101

MATCH LINE STA 112+00 (WALNUT ST.) SEE DRAWING NO. RSM-101



MATCH LINE STA. 108+50 (WALNUT ST.) SEE DRAWING No. RSM-103



Benchmark Management
wsp
BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

SUBMITTED: _____
PROJECT MANAGER
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
APPROVED BY: _____
APPROVED: _____
DATE: _____

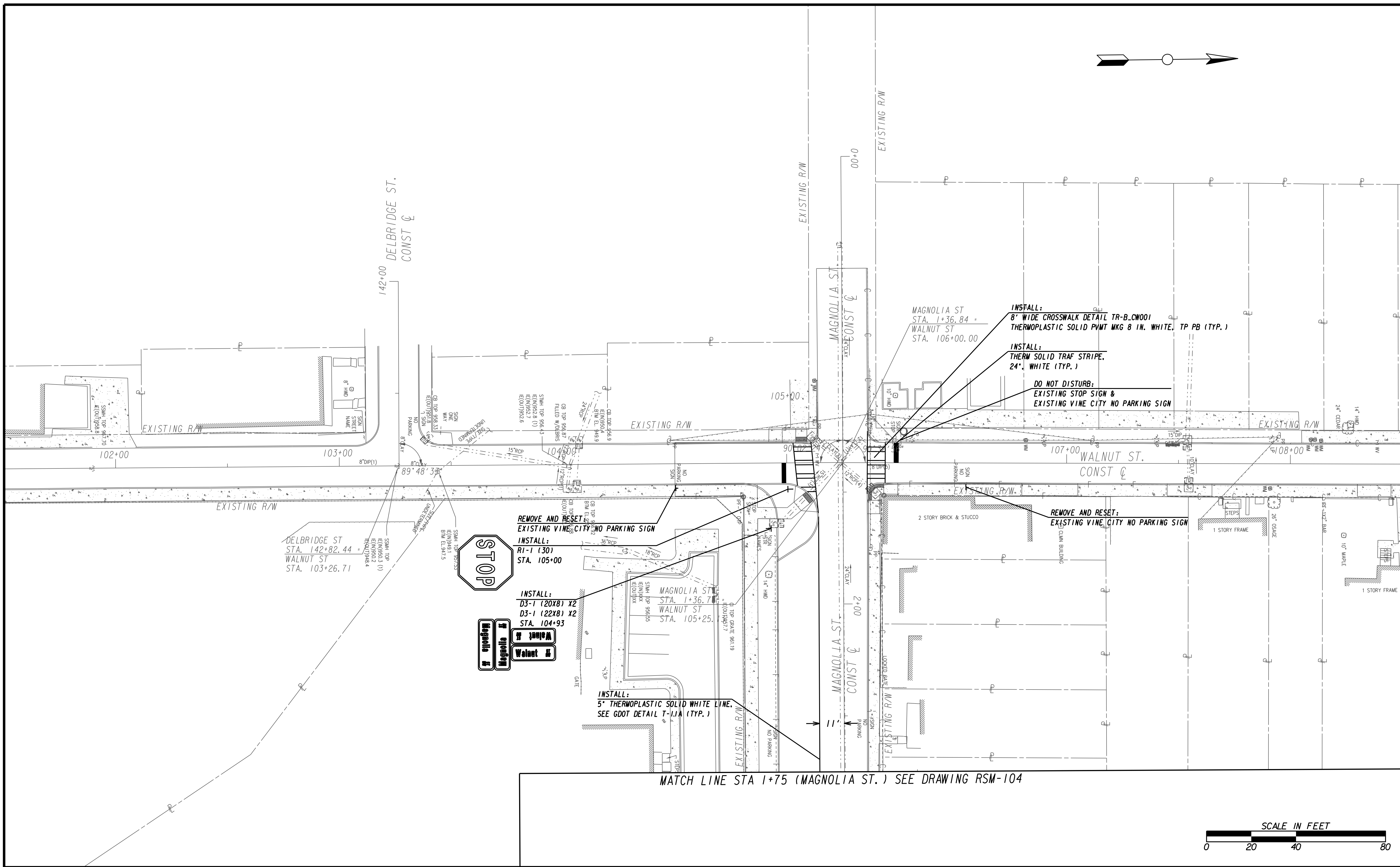
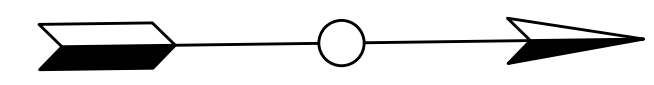


PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

CITY OF ATLANTA DEPARTMENT OF watershed management
UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS

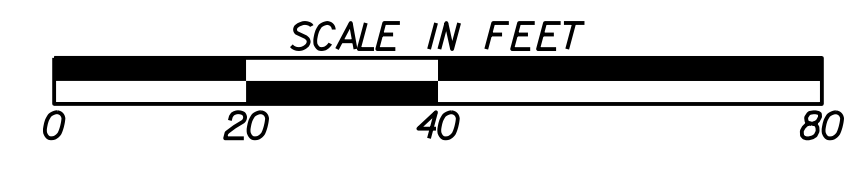
SIGNING & MARKING PLANS

FILE NAME 7383112-
BMMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER RSM-102



MATCH LINE STA. 108+50 (WALNUT ST.) SEE DRAWING No. RSM-102

MATCH LINE STA 1+75 (MAGNOLIA ST.) SEE DRAWING RSM-104



Benchmark Management
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BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____



PLAT CARDS					
REV.	DATE	BY	CHK.	APP.	DESCRIPTION

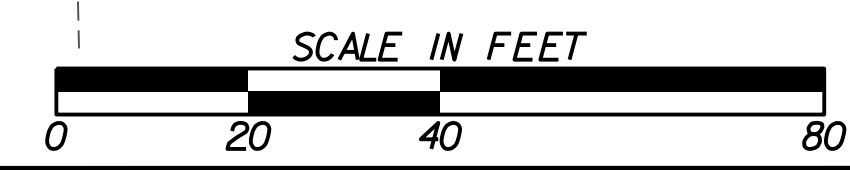
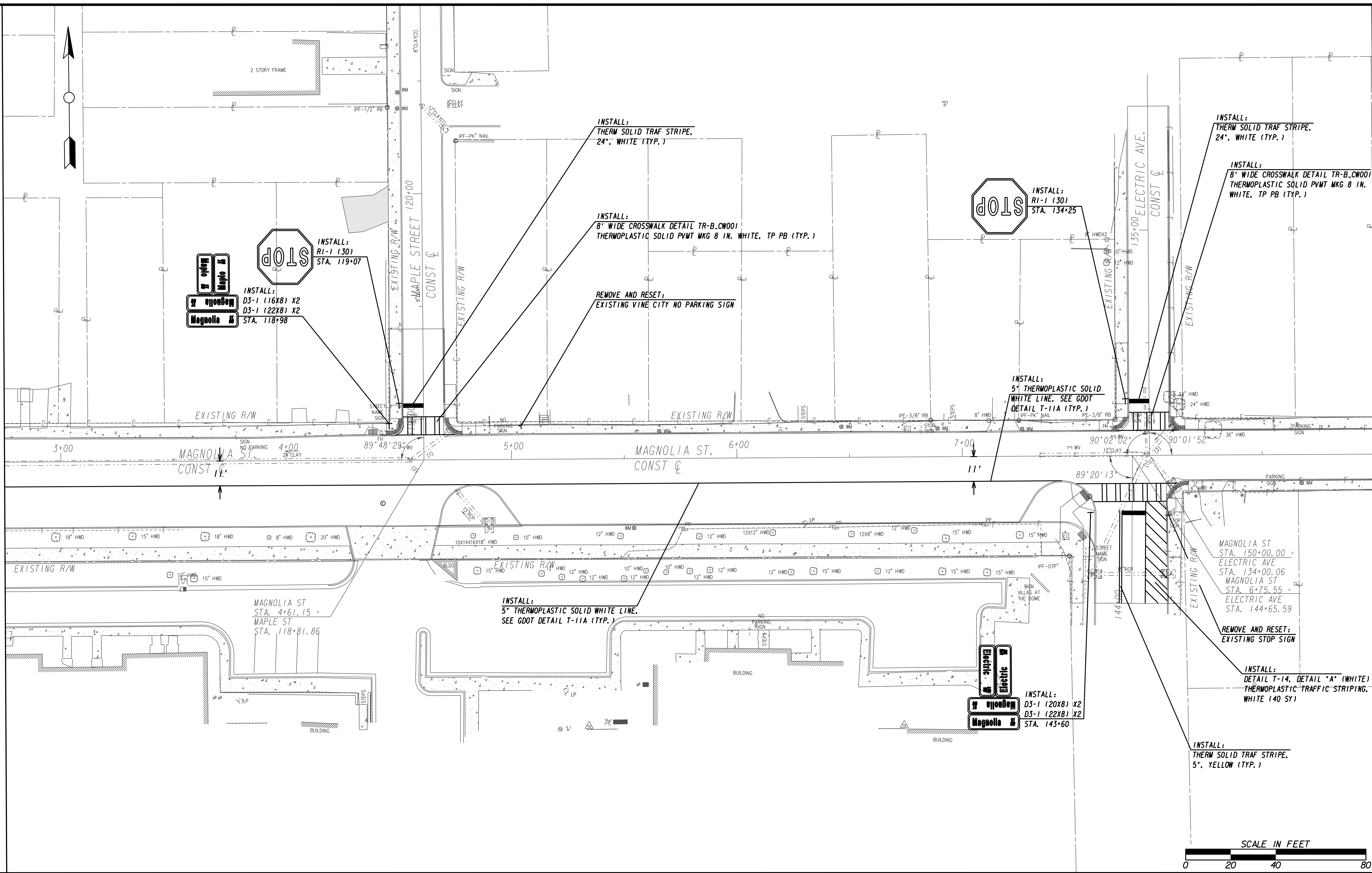
**UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS**

SIGNING & MARKING PLANS

FILE NAME: 7383112-
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **RSM-103**

MATCH LINE STA 1+75 (MAGNOLIA ST.) SEE DRAWING RSM-103

MATCH LINE STA 151+00 (MAGNOLIA ST.) SEE DRAWING RSM-105



Benchmark Management
 WSP
 BENCHMARK MANAGEMENT LLC
 100 PEACHTREE STREET
 SUITE 1900
 ATLANTA, GA 30303
 TEL: (404) 581-9656
 FAX: (404) 581-0158

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
PROJECT MANAGER:	DESIGNED BY:
DATE:	DRAWN BY:
APPROVED:	CHECKED BY:
DATE:	APPROVED BY:

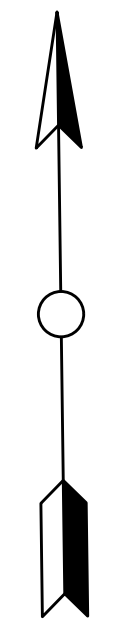


PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

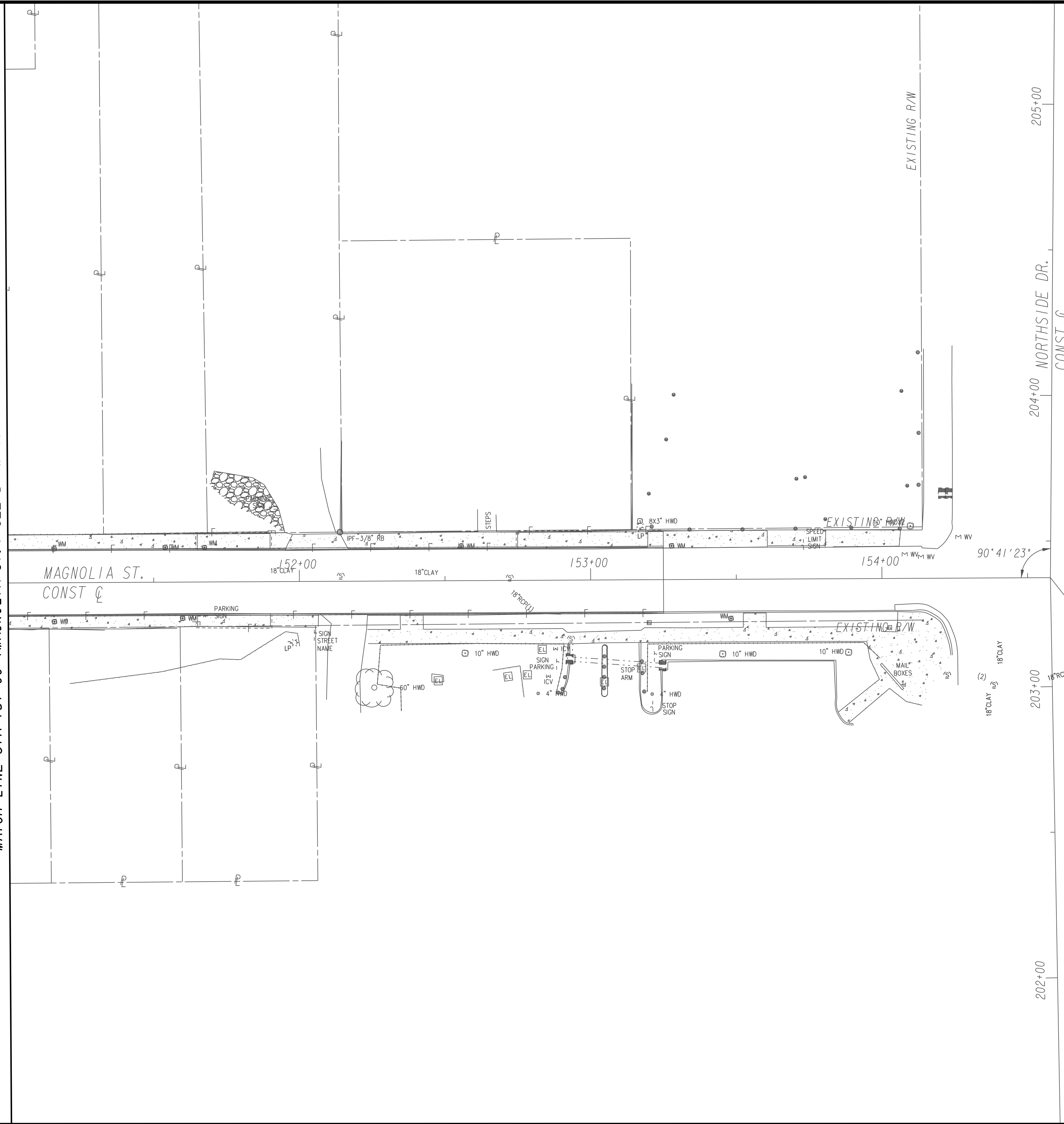
CITY OF ATLANTA DEPARTMENT OF watershed management
 UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

SIGNING & MARKING PLANS

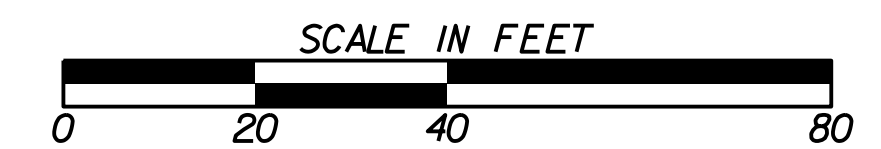
FILE NAME 7383112-
BMMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER RSM-104



MATCH LINE STA 151+00 (MAGNOLIA ST.) SEE DRAWING RSM-104



MAGNOLIA ST
STA. 154+57.83 =
NORTHSIDE DR
STA. 203+37.43



Benchmark Management
wsp
BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

SUBMITTED: _____
 PROJECT MANAGER: _____
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____



PLAT CARDS

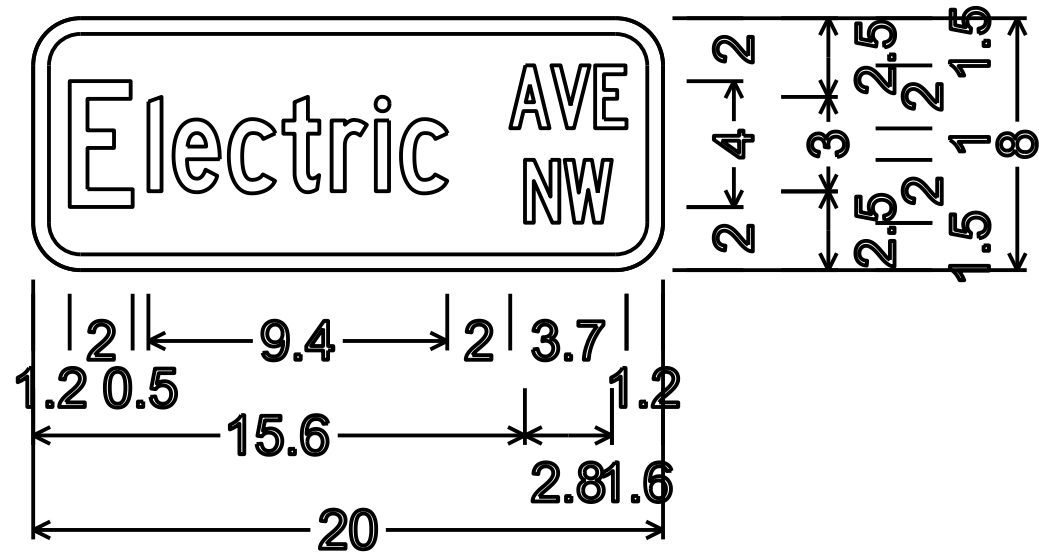
REVISIONS

REV.	DATE	BY	CHK.	APP.	DESCRIPTION

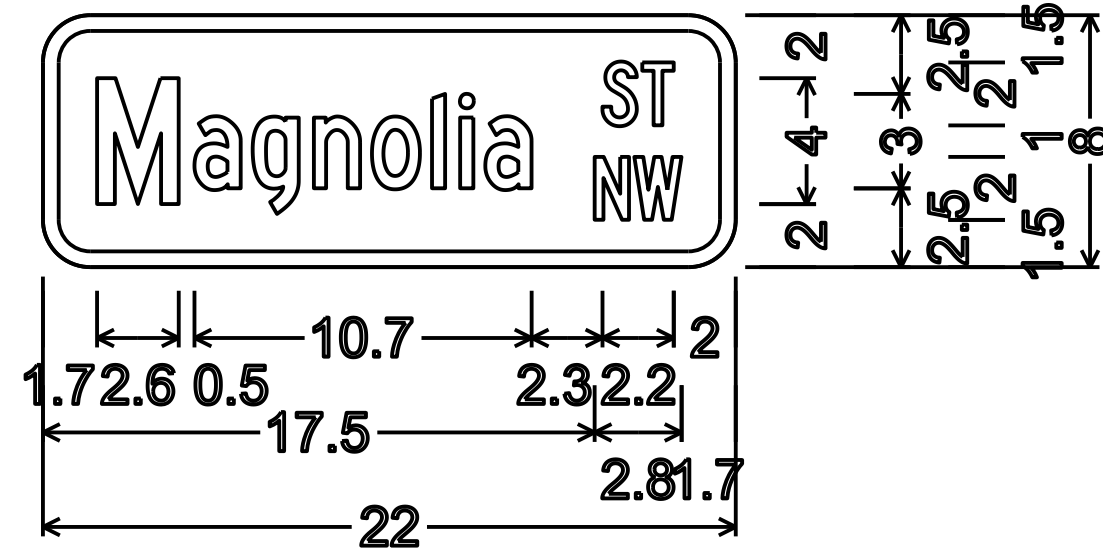
**UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS**

SIGNING & MARKING PLANS

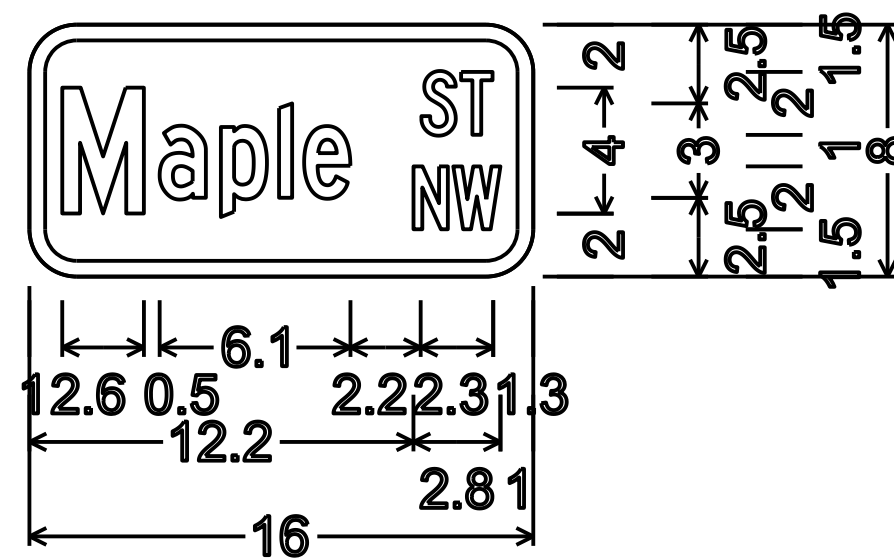
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BMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER RSM-105



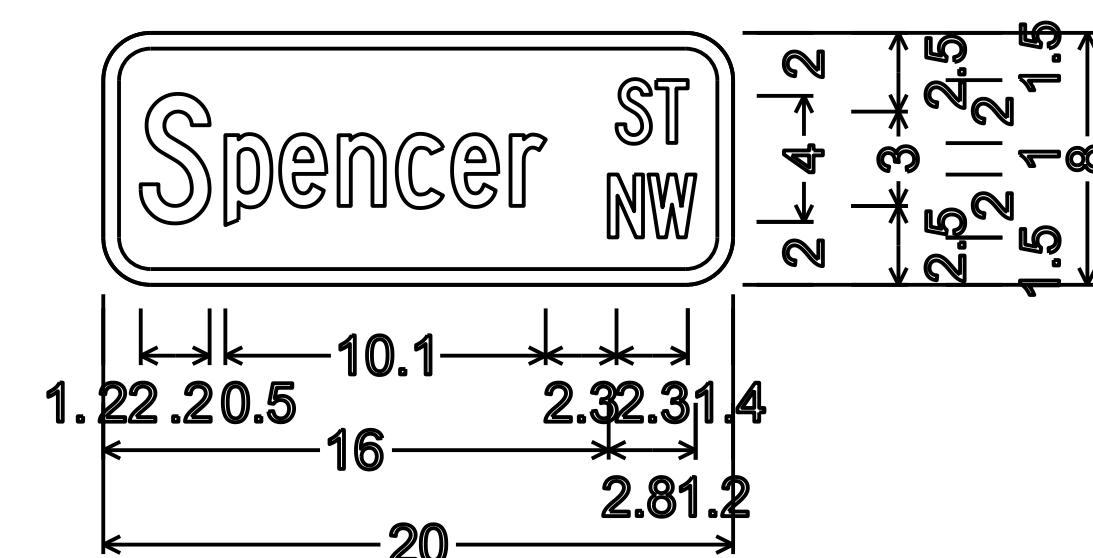
STREET NAME SIGN
 STA. 143+60 (X2)
 D3-1 (20X8)
 WHITE ON GREEN
 1.5" RADIUS
 0.5" BORDER
 TYPE C FONT
 50% SPACING



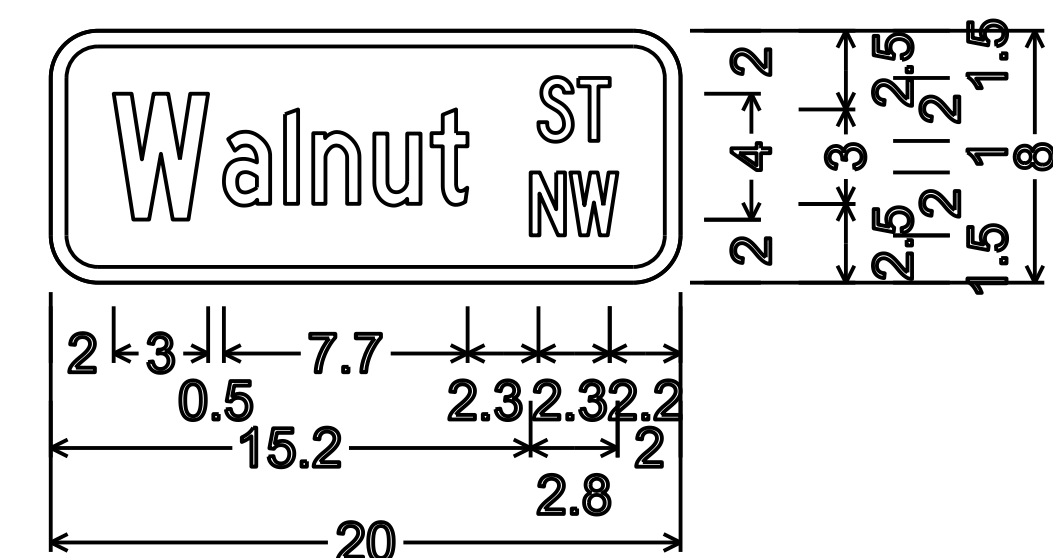
STREET NAME SIGN
 STA. 104+93 (X2)
 STA. 118+98 (X2)
 STA. 143+60 (X2)
 D3-1 (22X8)
 WHITE ON GREEN
 1.5" RADIUS
 0.5" BORDER
 TYPE C FONT
 50% SPACING



STREET NAME SIGN
 STA. 118+98 (X2)
 D3-1 (16X8)
 WHITE ON GREEN
 1.5" RADIUS
 0.5" BORDER
 TYPE C FONT
 50% SPACING



STREET NAME SIGN
 STA. 51+92 (X2)
 D3-1 (20X8)
 WHITE ON GREEN
 1.5" RADIUS
 0.5" BORDER
 TYPE C FONT
 50% SPACING



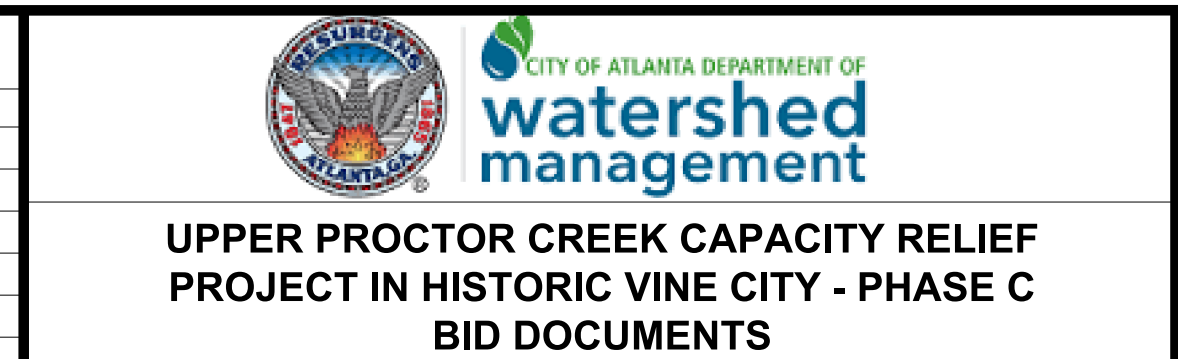
STREET NAME SIGN
 STA. 51+92 (X2)
 STA. 104+93 (X2)
 D3-1 (20X8)
 WHITE ON GREEN
 1.5" RADIUS
 0.5" BORDER
 TYPE C FONT
 50% SPACING



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____

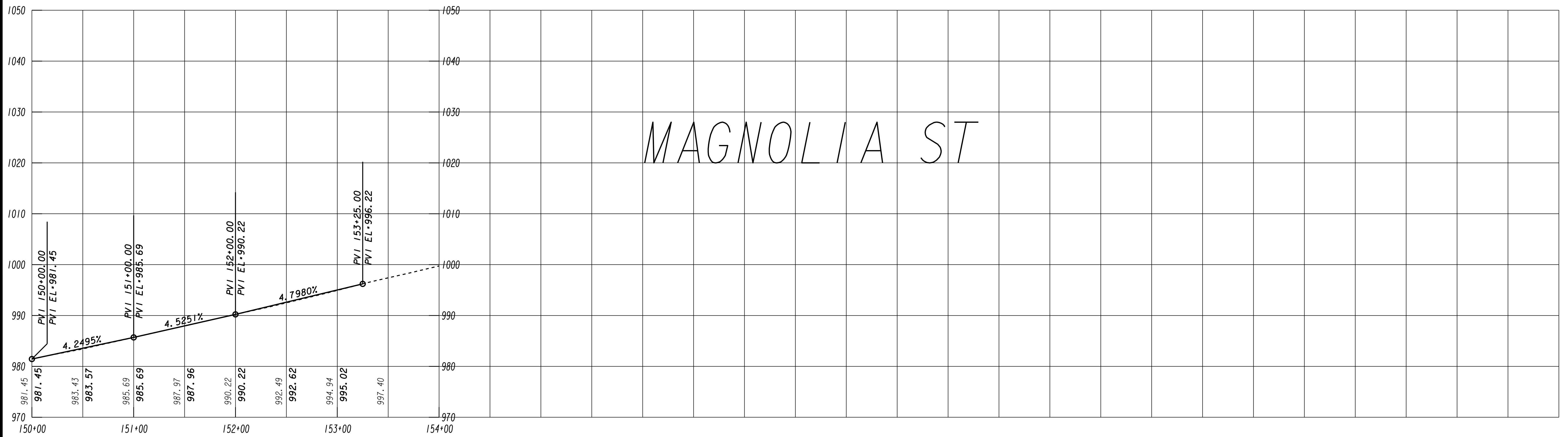
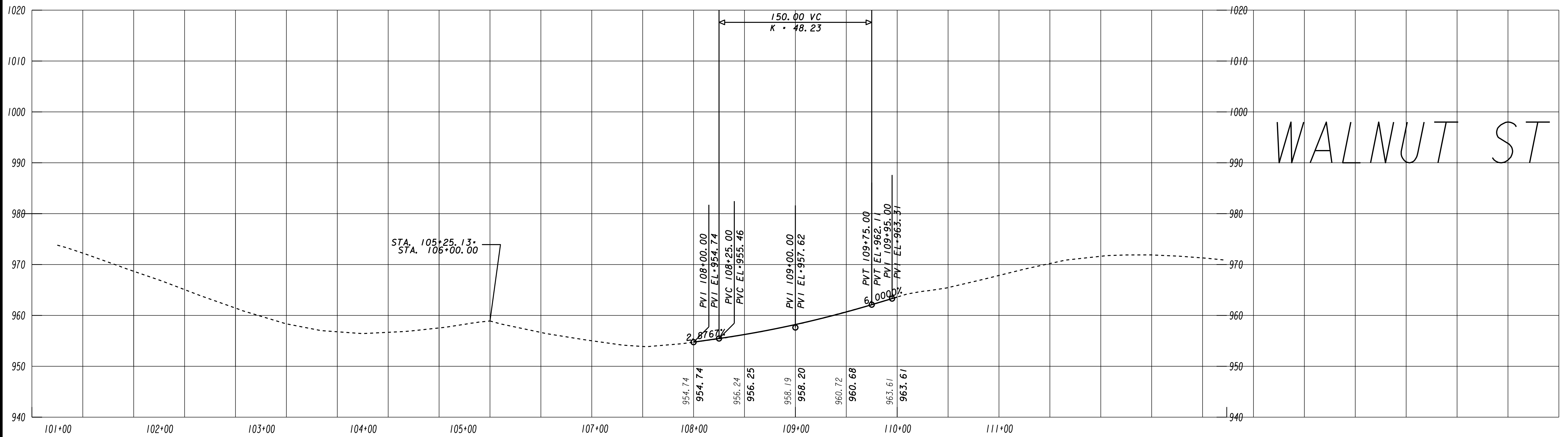


PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	



SIGNING & MARKING PLANS

FILE NAME 7383112-
BMMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER RSM-106



SUBMITTED: PROJECT MANAGER
DATE: 10/11/2019

DESIGNED BY: TJ

DRAWN BY: TJ

CHECKED BY: RC

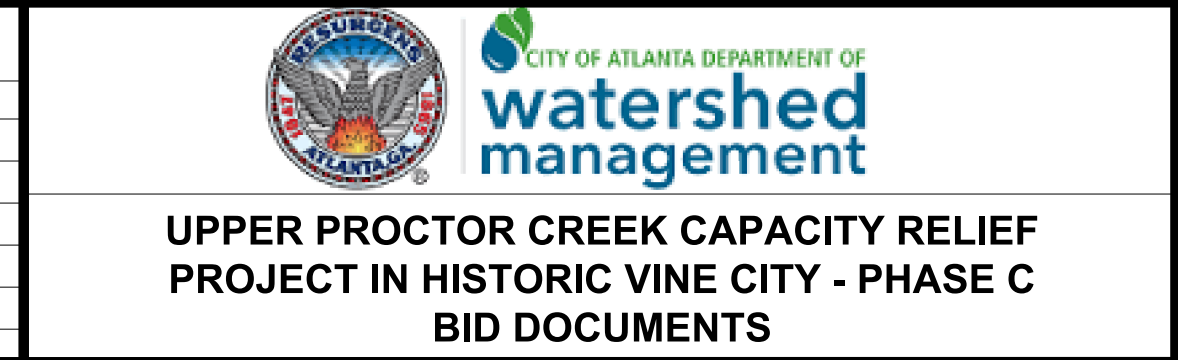
APPROVED BY: EA



PLAT CARDS

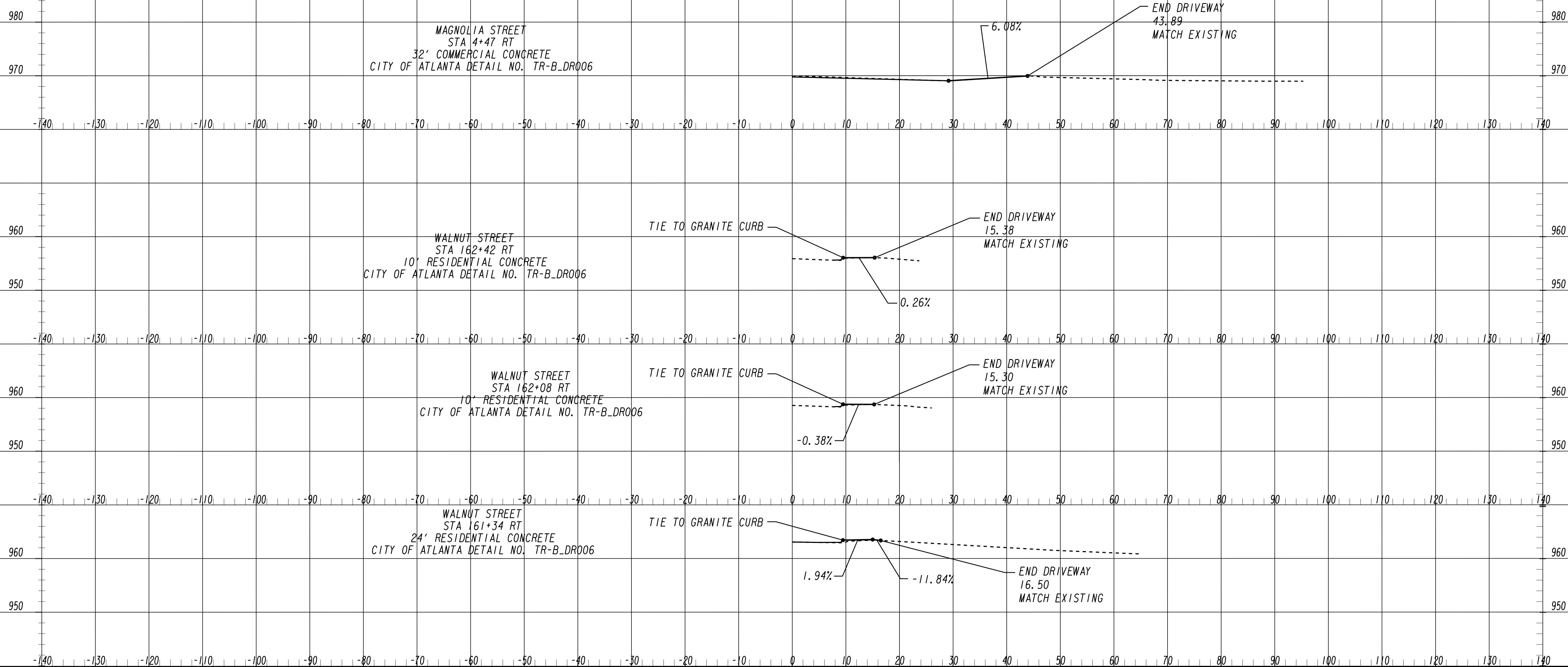
REVISIONS

REV.	DATE	BY	CHK.	APP.	DESCRIPTION



ROADWAY PROFILES

FILE NAME: 7383112-
BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER: FC-7383F
DRAWING NUMBER: **RP-100**



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____



PLAT CARDS

REVISIONS

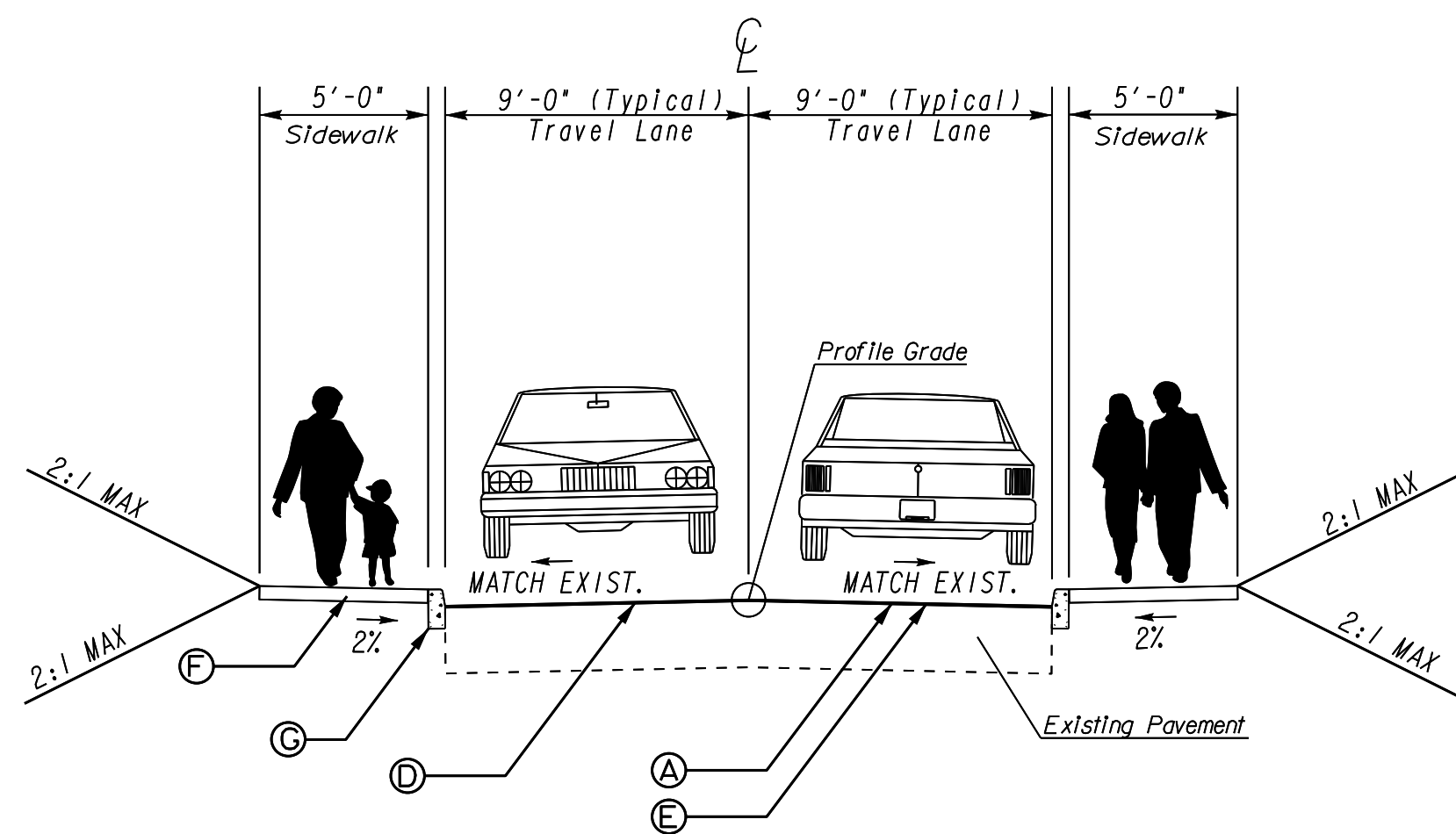
REV.	DATE	BY	CHK.	APP.	DESCRIPTION

**UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C**

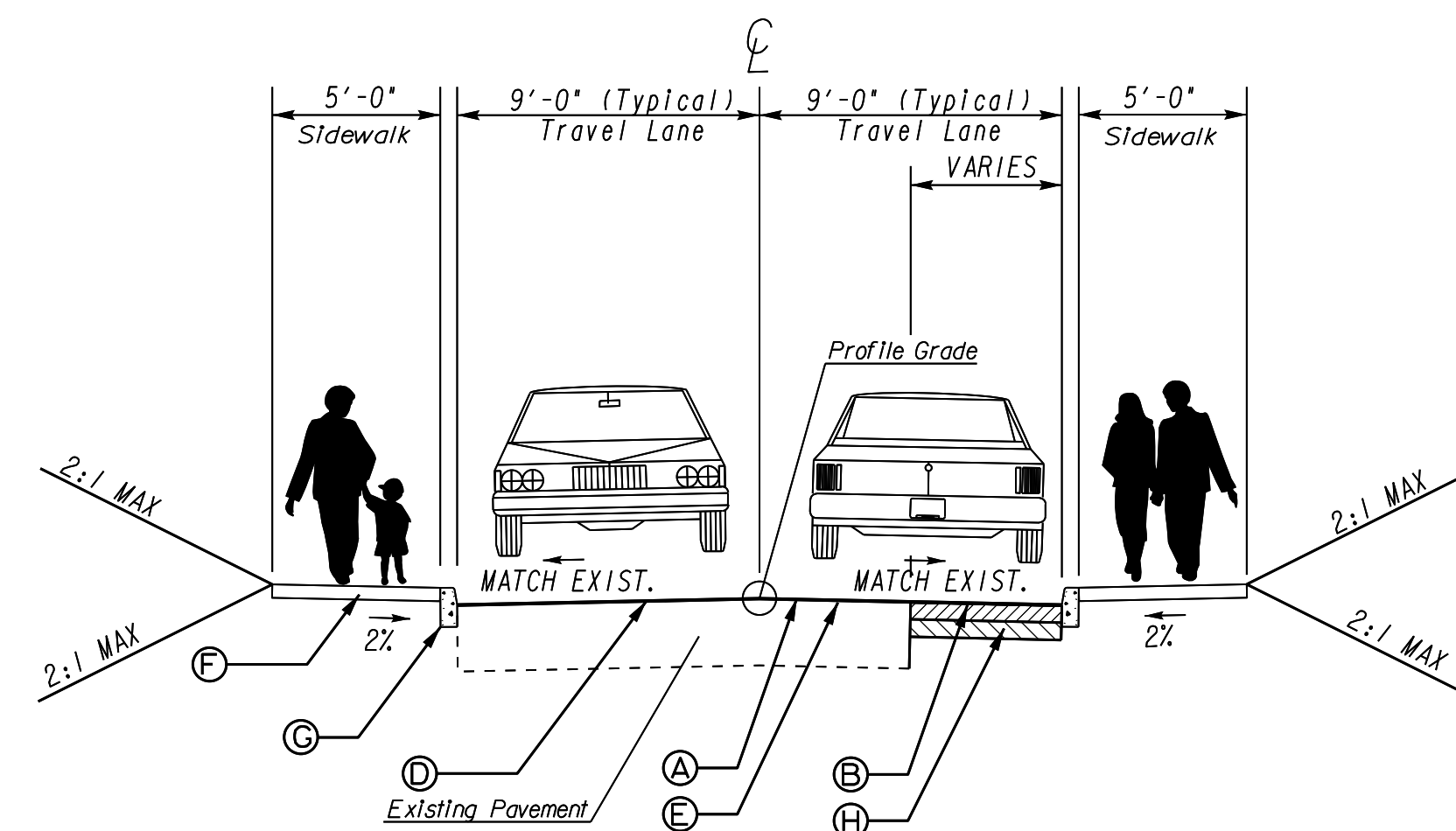
DRIVEWAY PROFILES

FILE NAME 7383112-
BMMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER DP-100

- (A) RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM & H LIME 220 LBS/SY (FULL TRAVEL WAY BY OTHERS)
- (B) RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL 495 LBS/SY
- (C) CLASS "B" CONCRETE BASE PAVEMENT WIDENING (SEE DETAILS DWG.05-0005)
- (D) RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME, (AS REQUIRED)
- (E) MILL ASPH CONC PVMT, (2 INCHES)
- (F) CONC SIDEWALK, 4 IN, SEE DETAILS DWG.05-0005
- (G) GRANITE CURB, 5 IN X 17 IN, TYPE B
- (H) 4 INCHES GRADED AGGREGATE BASE

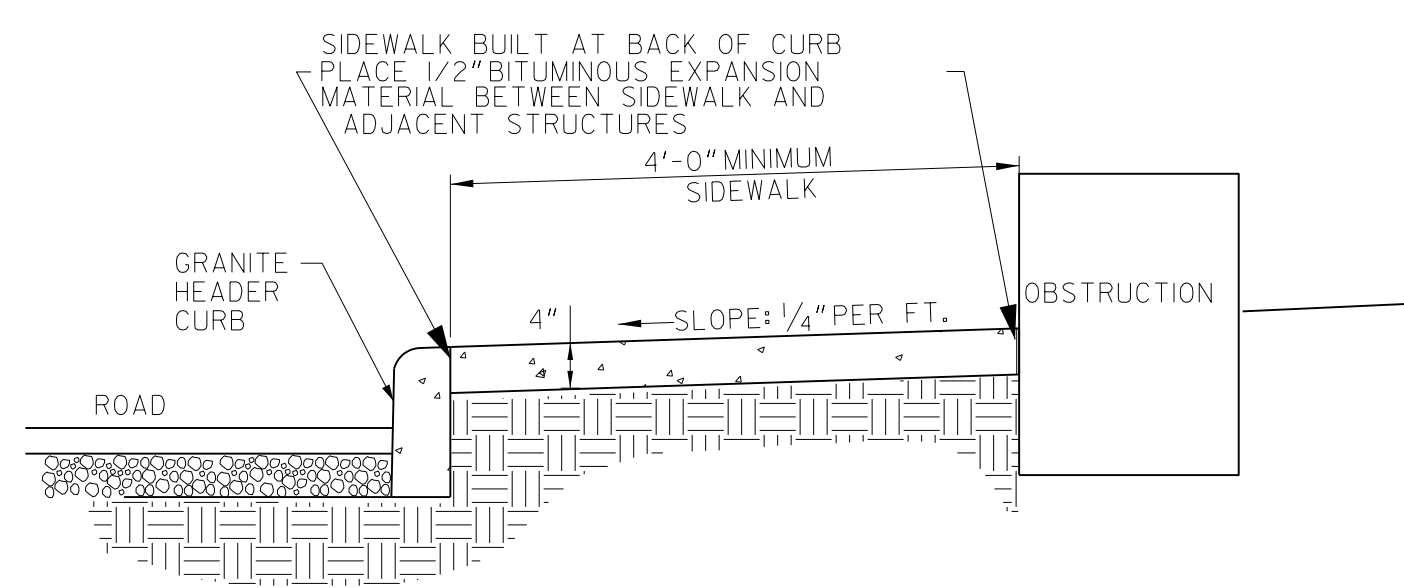


TYPICAL SECTION 1



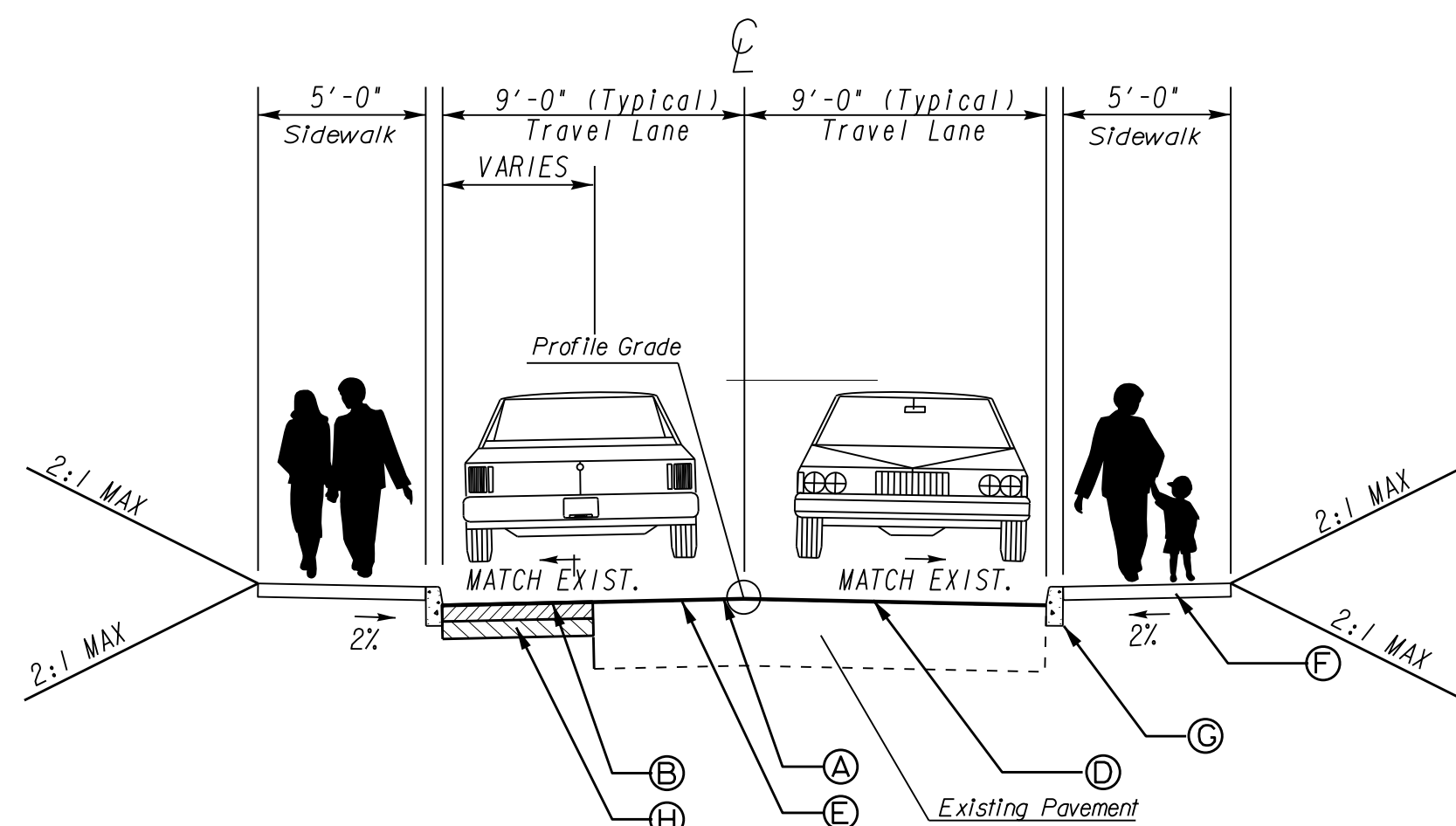
TYPICAL SECTION 2

NOTES:
 1. TO BE USED WHEN CONSTRUCTION OF SIDEWALK IS OBSTRUCTED.
 2. OBSTRUCTIONS ARE CONSIDERED IE; BUILDINGS, RETAINING WALL, ETC., THAT CAN NOT BE MOVED.

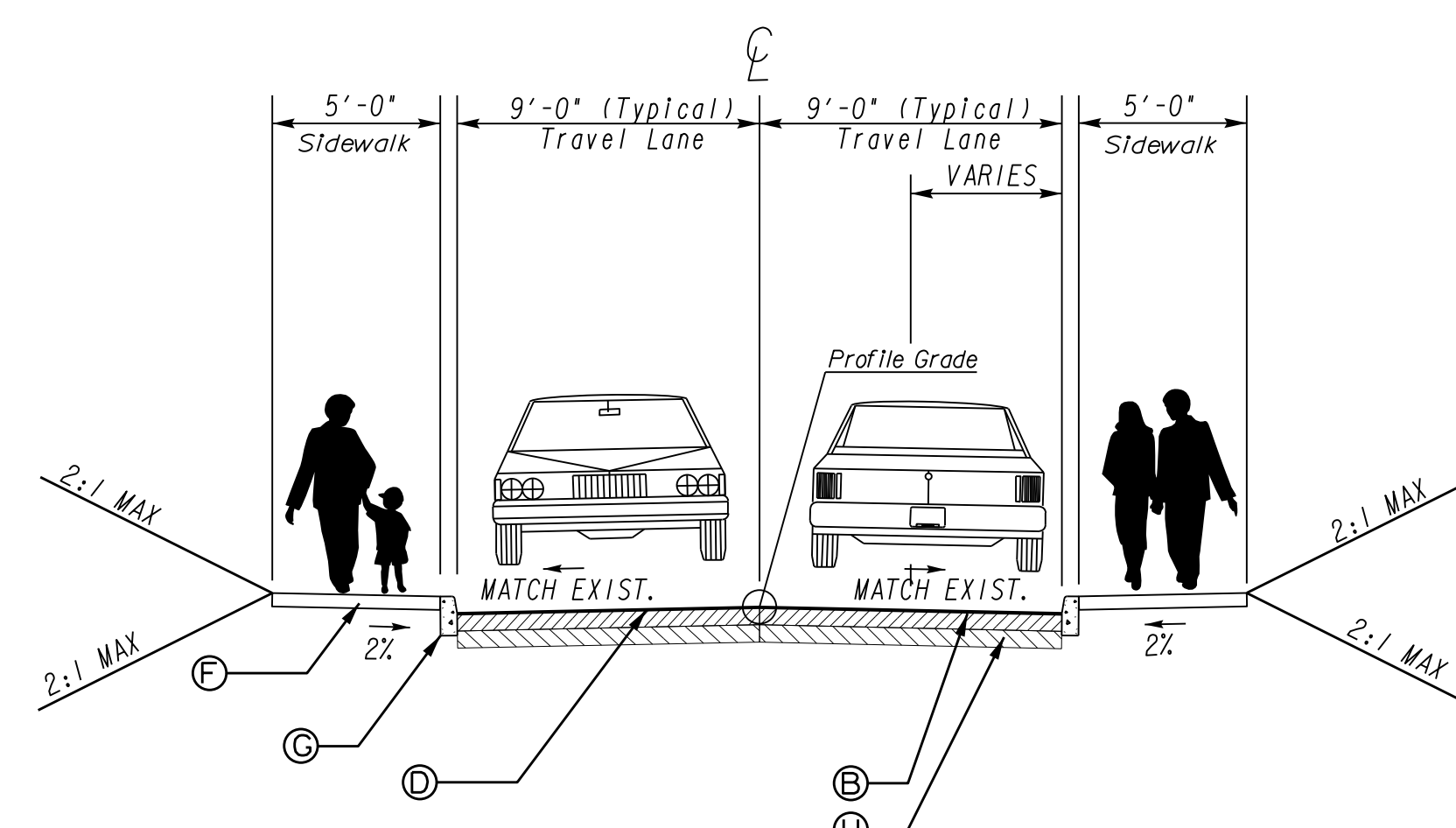


OBSTRUCTED SIDEWALK SECTION

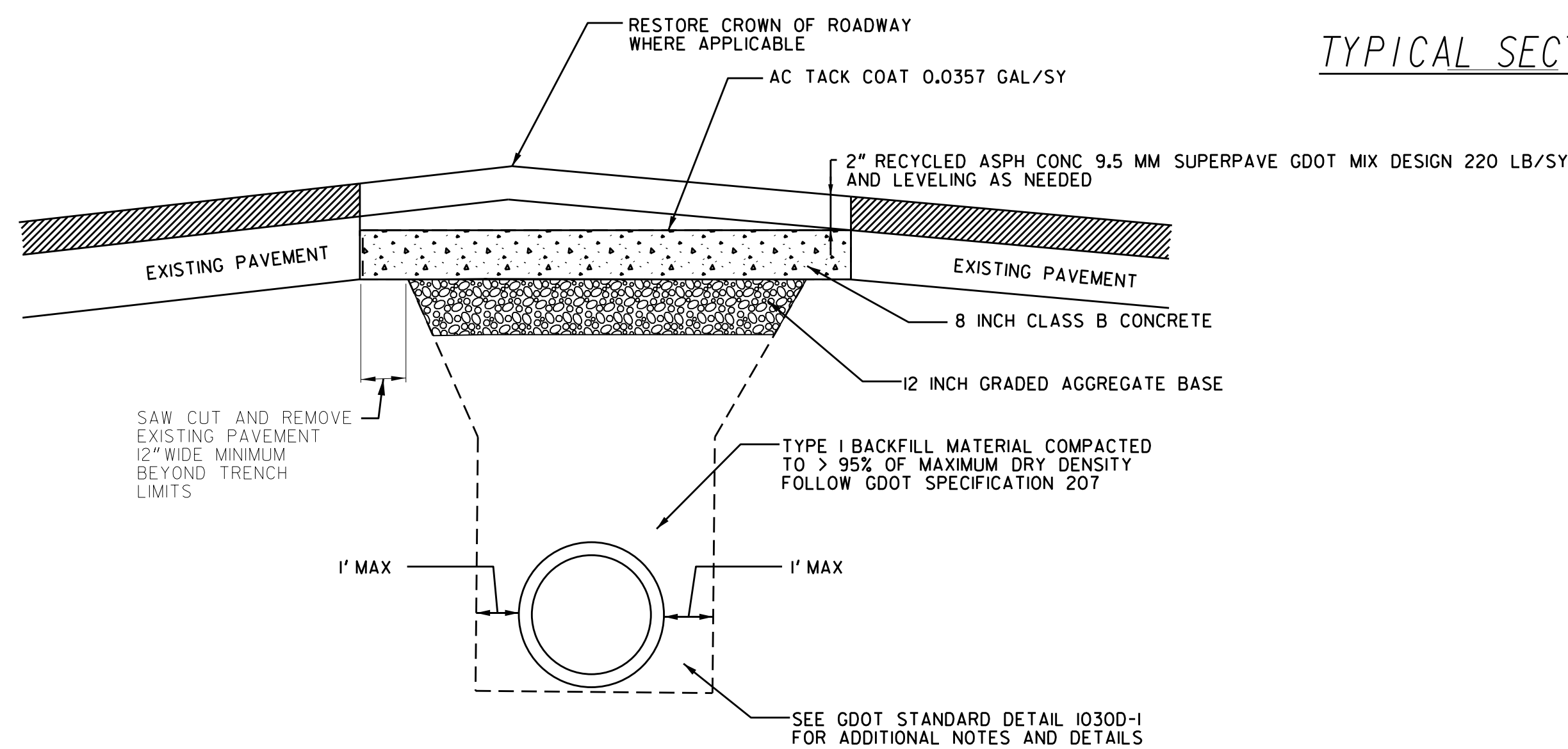
(4' MINIMUM/VARIABLE WIDTH SIDEWALK, NO BRICK PAVERS)
 N.T.S.



TYPICAL SECTION 3

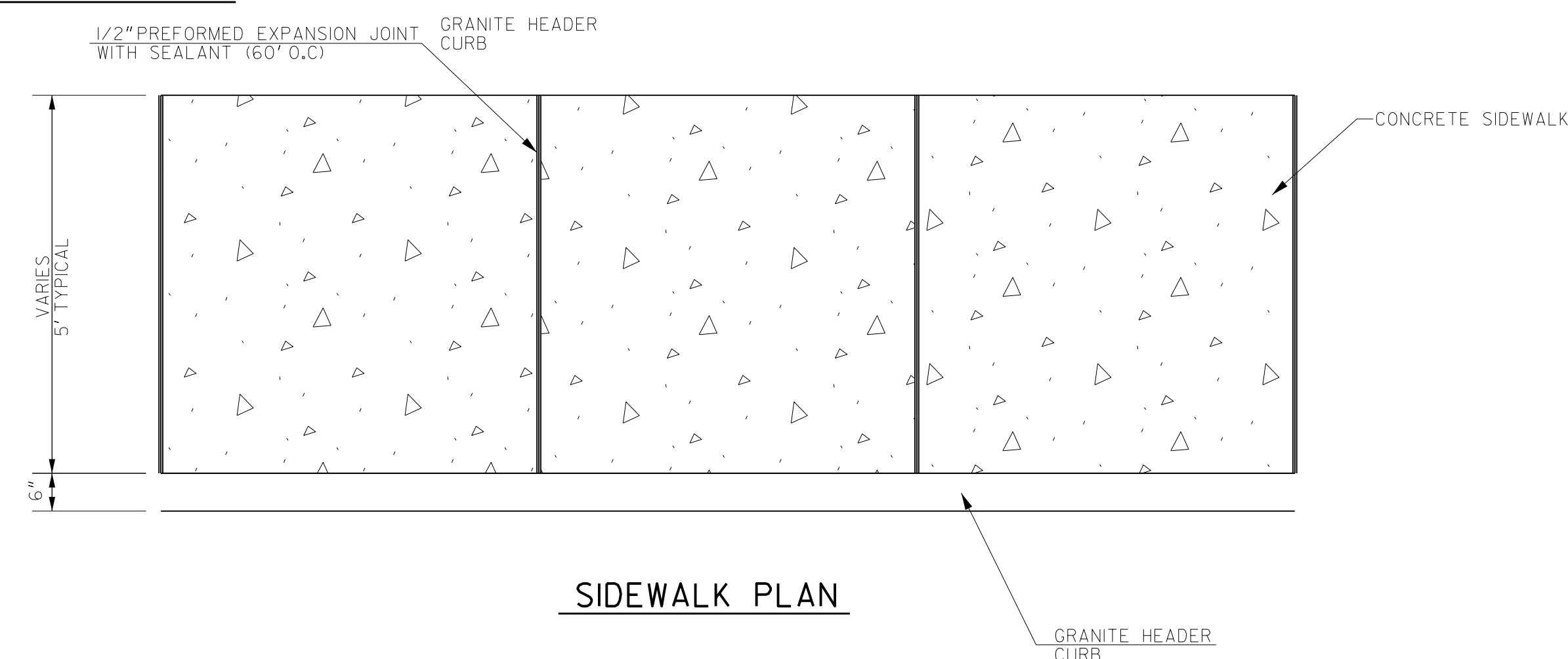


TYPICAL SECTION 4



TRENCH PAVEMENT RESTORATION TYPICAL DETAIL

SIDEWALK PLAN



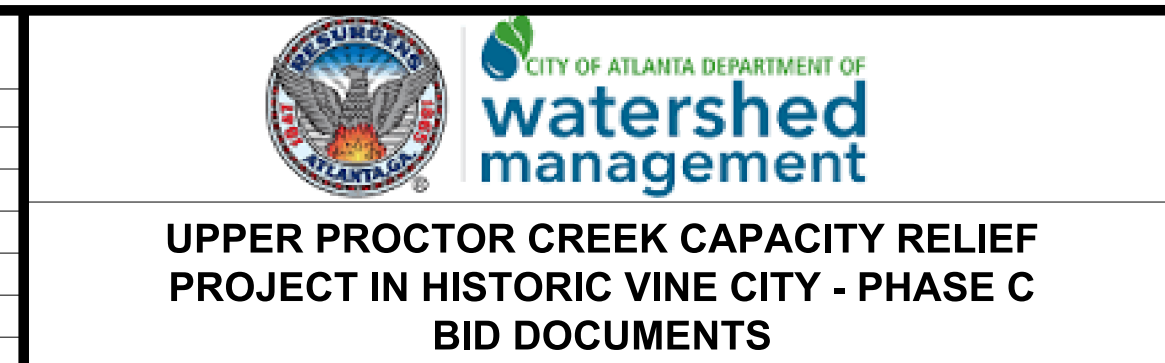
SIDEWALK PLAN



SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
PROJECT MANAGER:	DESIGNED BY:
DATE:	DRAWN BY:
APPROVED:	CHECKED BY:
DATE:	APPROVED BY:

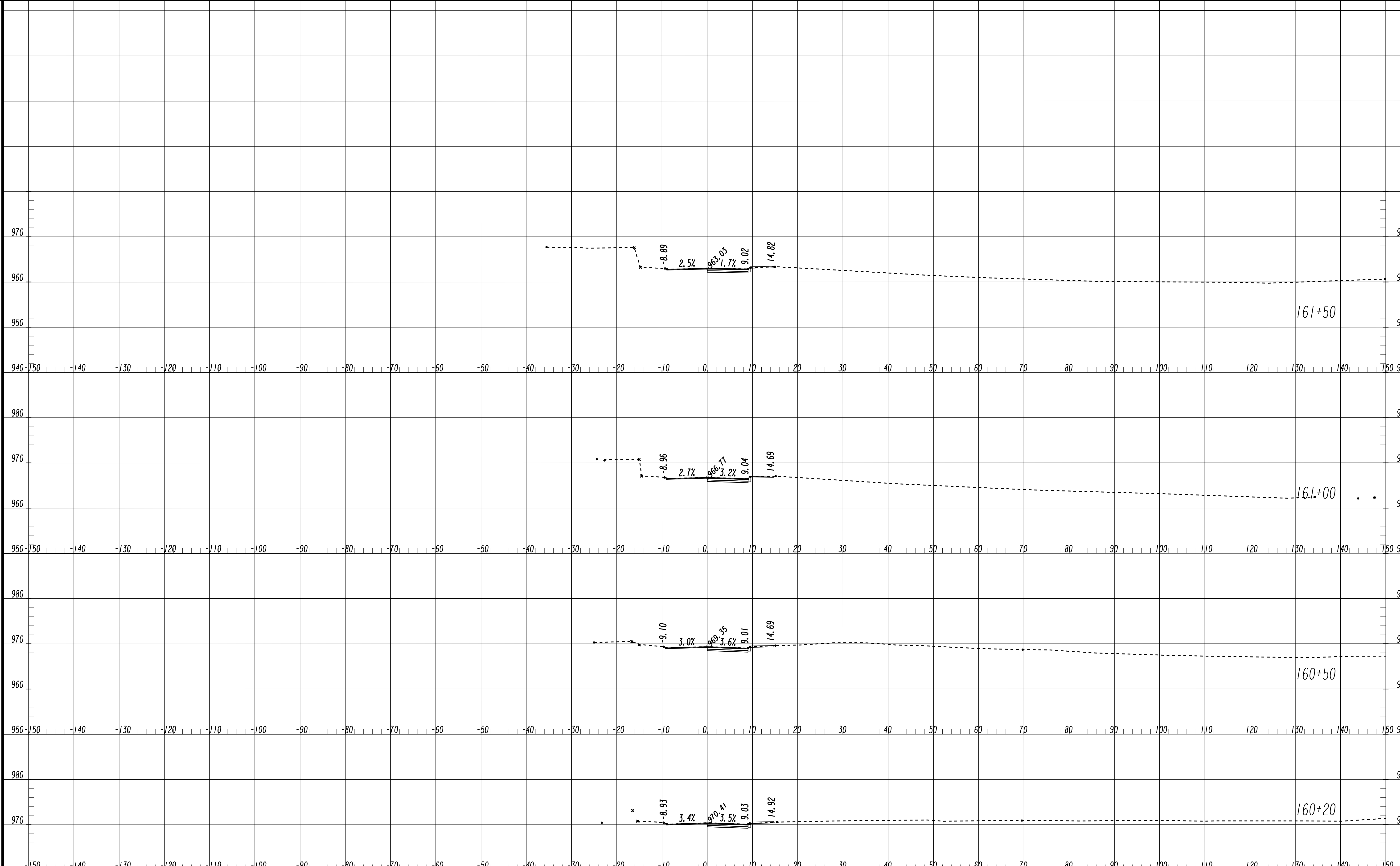


PLAT CARDS		REVISIONS				
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	



TYPICAL SECTIONS

FILE NAME 7383112-
BMMLLC PROJECT NUMBER 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER FC-7383F
DRAWING NUMBER TS-100



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____



PLAT CARDS

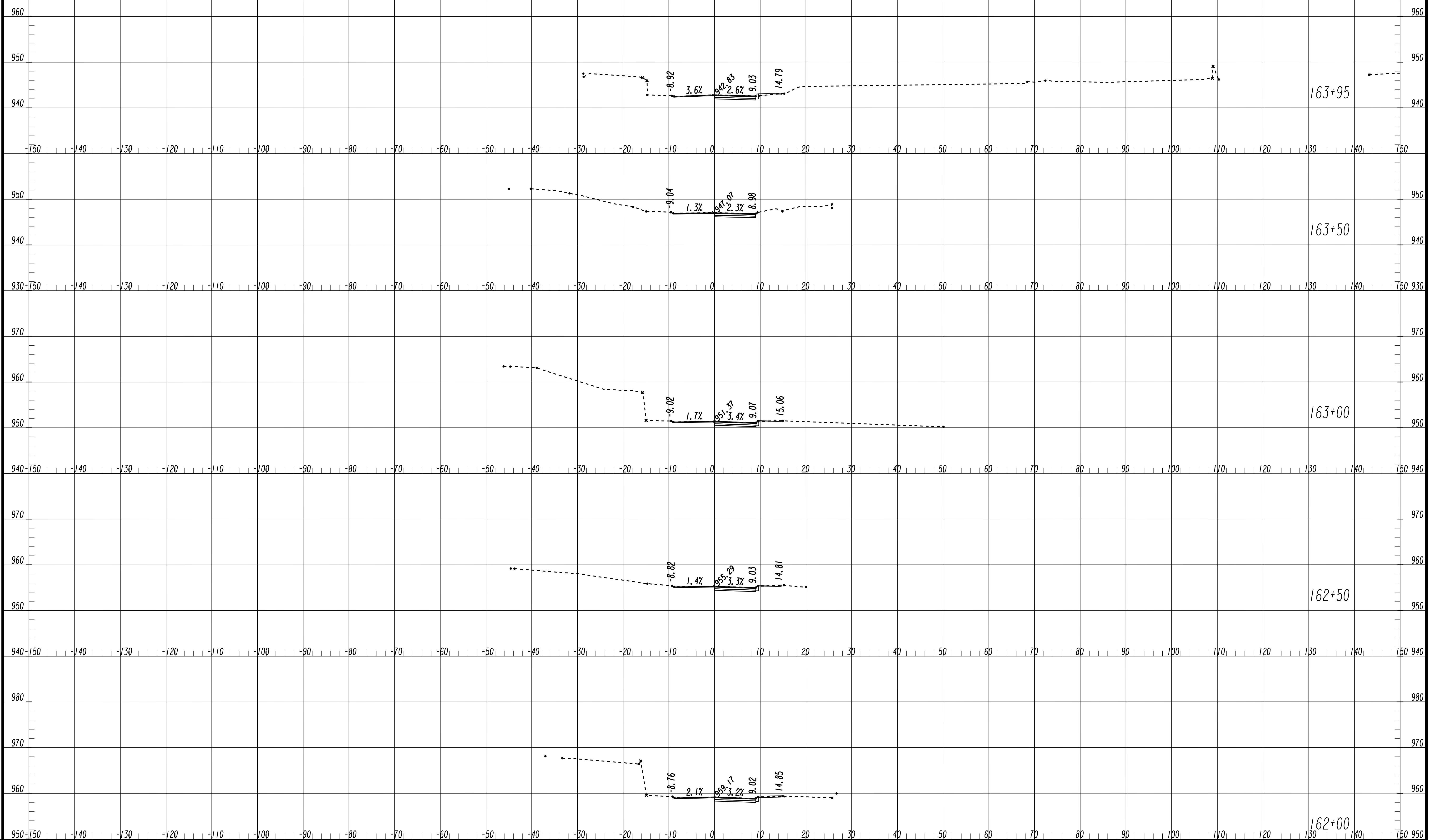
REVISIONS

REV.	DATE	BY	CHK.	APP.	DESCRIPTION

UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

CROSS SECTIONS WALNUT STREET

FILE NAME: 7383112-
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **XS-100**



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____



PLAT CARDS

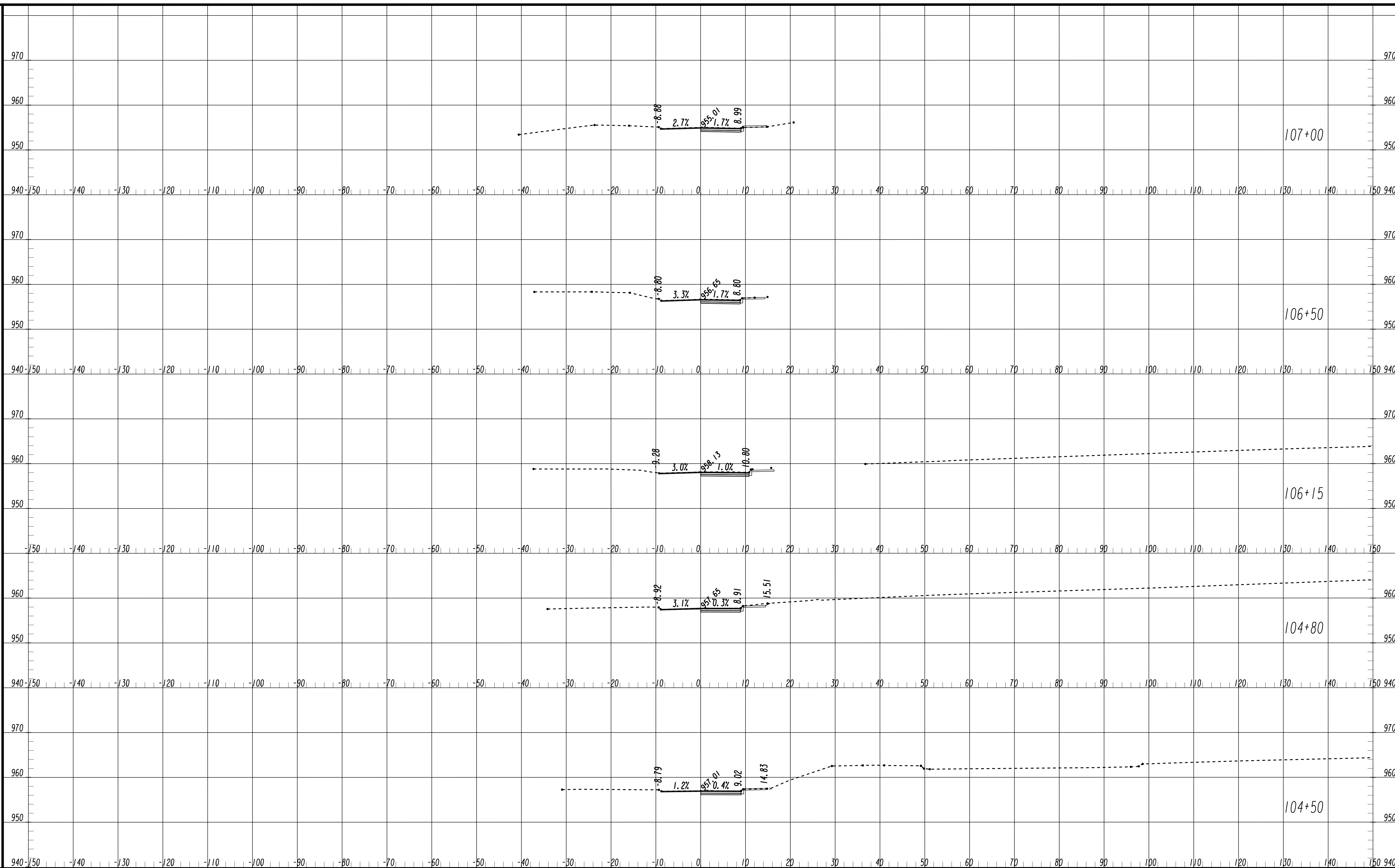
REVISIONS

REV.	DATE	BY	CHK.	APP.	DESCRIPTION

UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

CROSS SECTIONS WALNUT STREET

FILE NAME: 7383112-
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **XS-101**



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____



PLAT CARDS

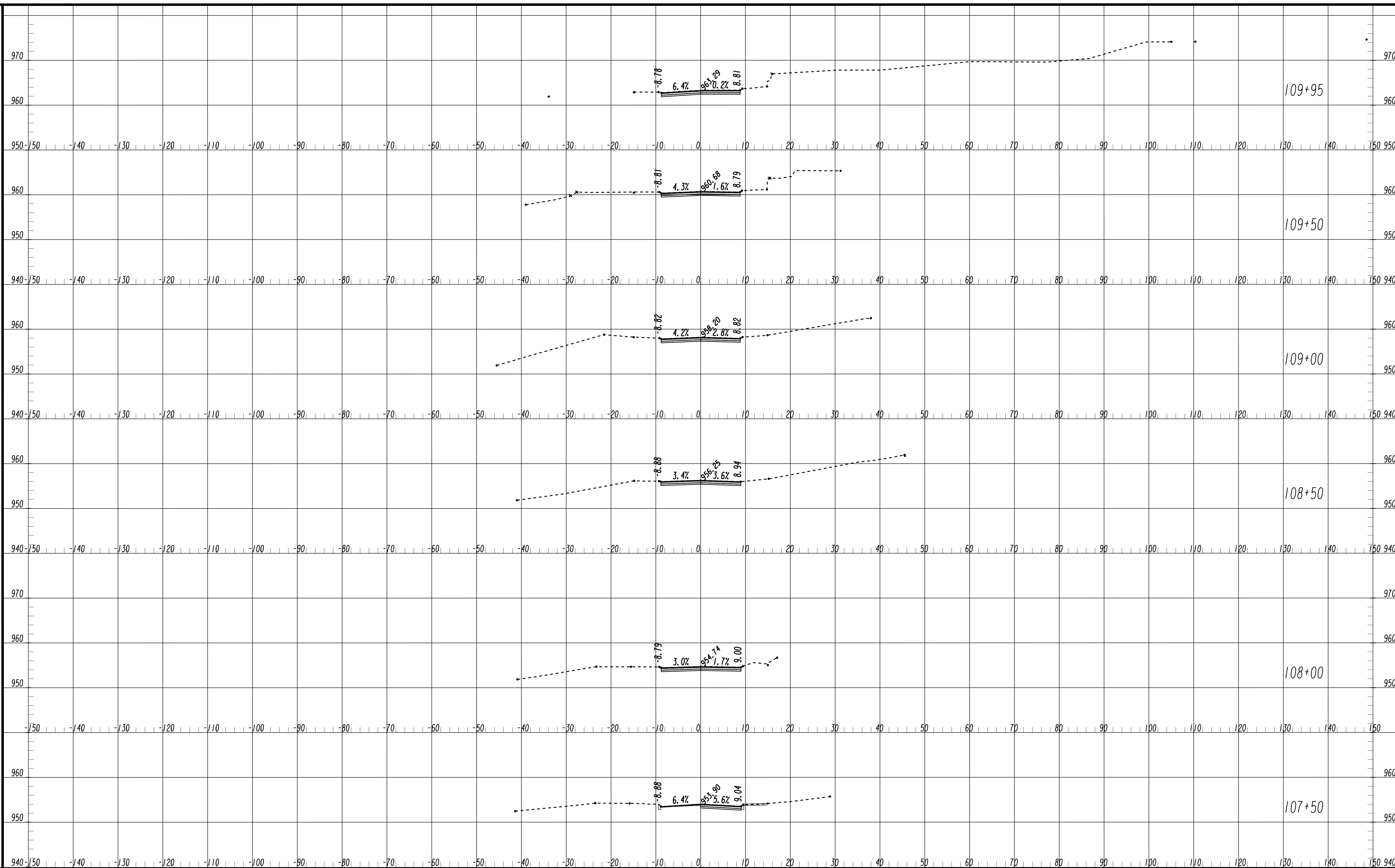
REVISIONS

REV.	DATE	BY	CHK.	APP.	DESCRIPTION

CITY OF ATLANTA DEPARTMENT OF
watershed management
 UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

CROSS SECTIONS
WALNUT STREET

FILE NAME
 7383112-
 BMLLC PROJECT NUMBER
 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER
 FC-7383F
 DRAWING NUMBER
XS-102



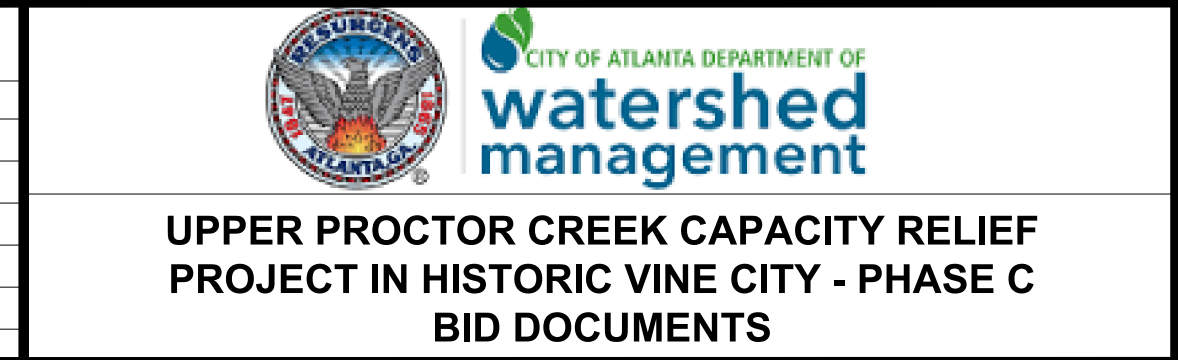
SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____



PLAT CARDS

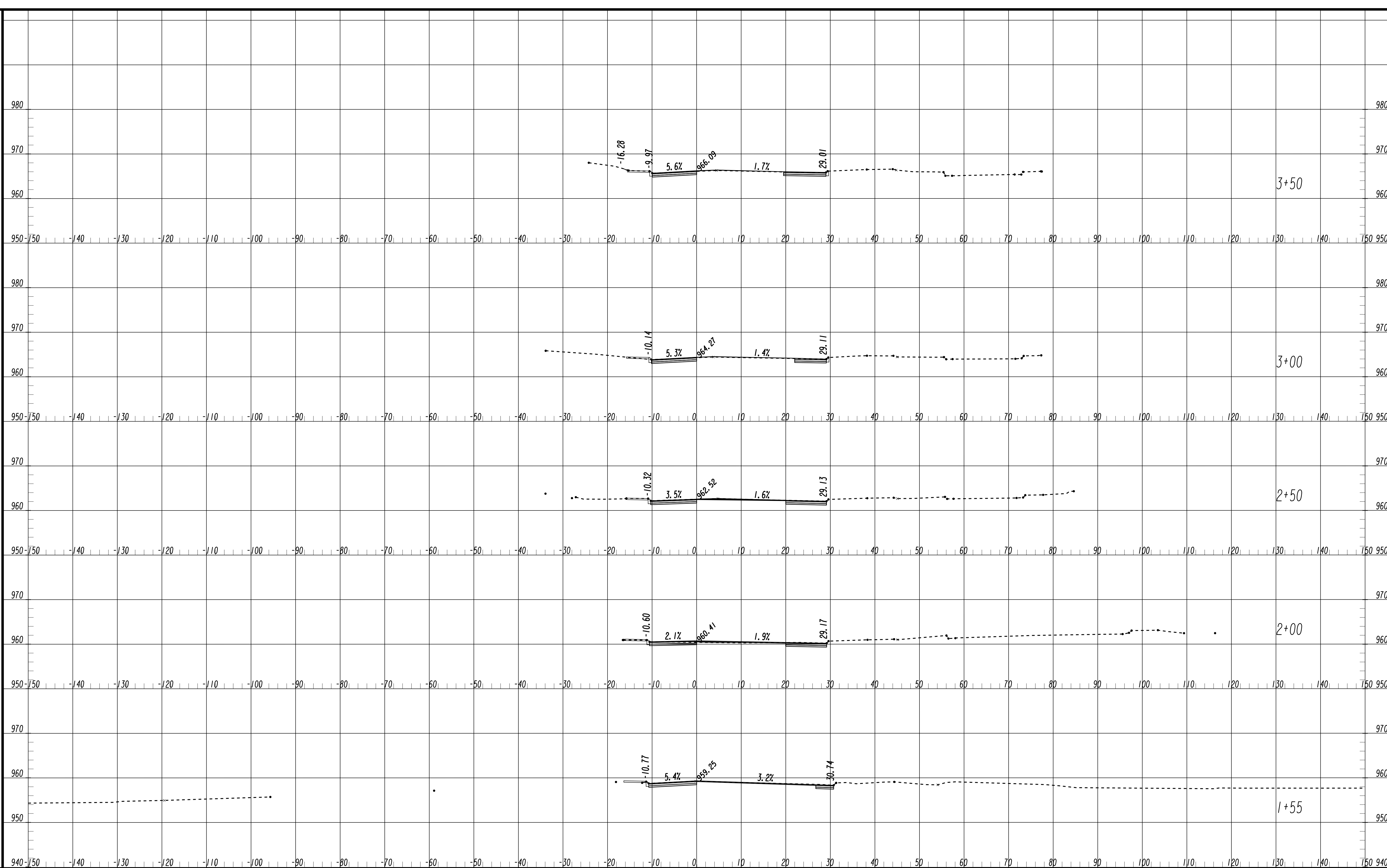
REVISIONS

REV.	DATE	BY	CHK.	APP.	DESCRIPTION



**CROSS SECTIONS
 WALNUT STREET**

FILE NAME: 7383112-
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **XS-103**



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____



PLAT CARDS

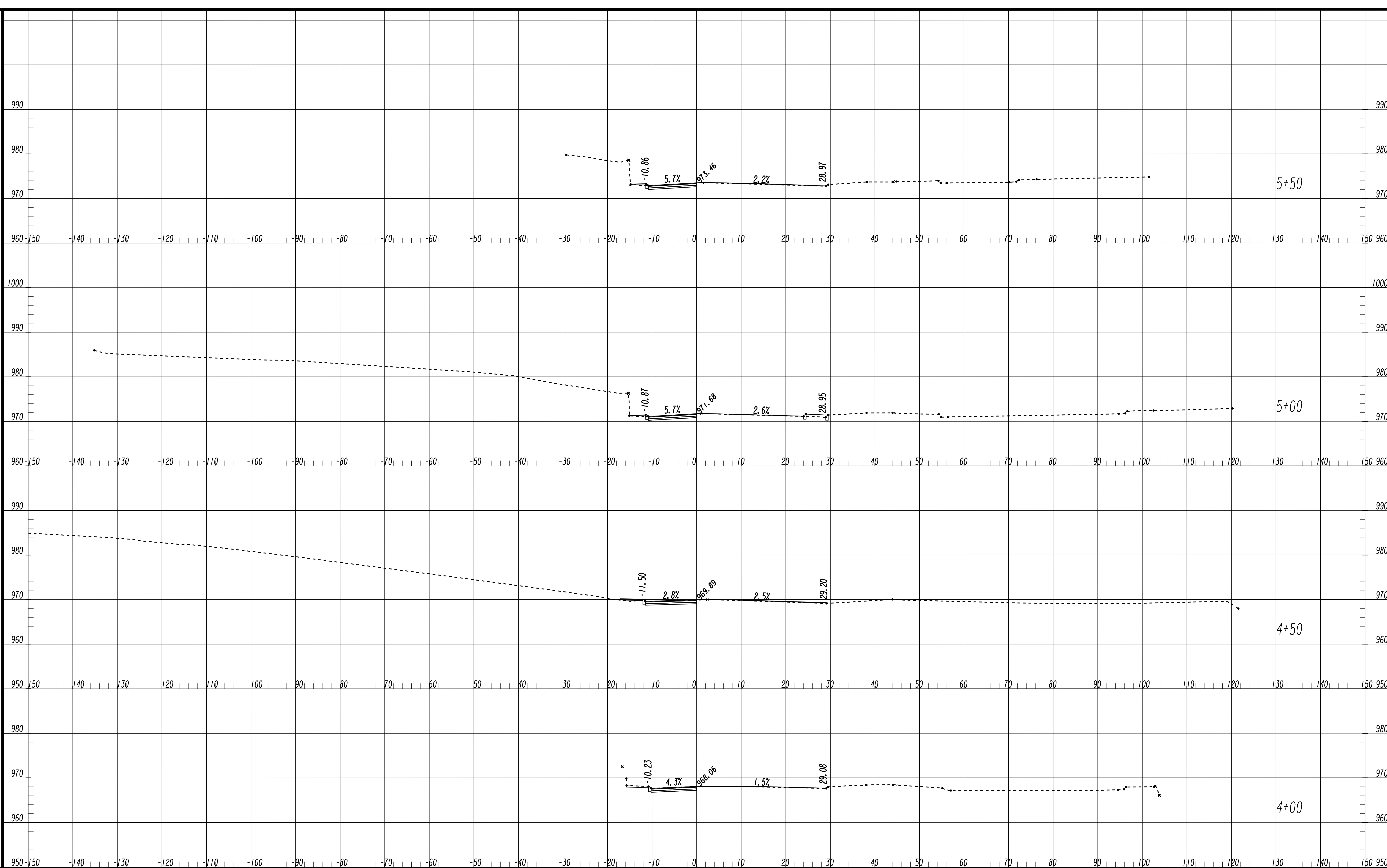
REVISIONS

REV.	DATE	BY	CHK.	APP.	DESCRIPTION

UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

CROSS SECTIONS MAGNOLIA STREET

FILE NAME: 7383112-
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **XS-104**



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____



PLAT CARDS

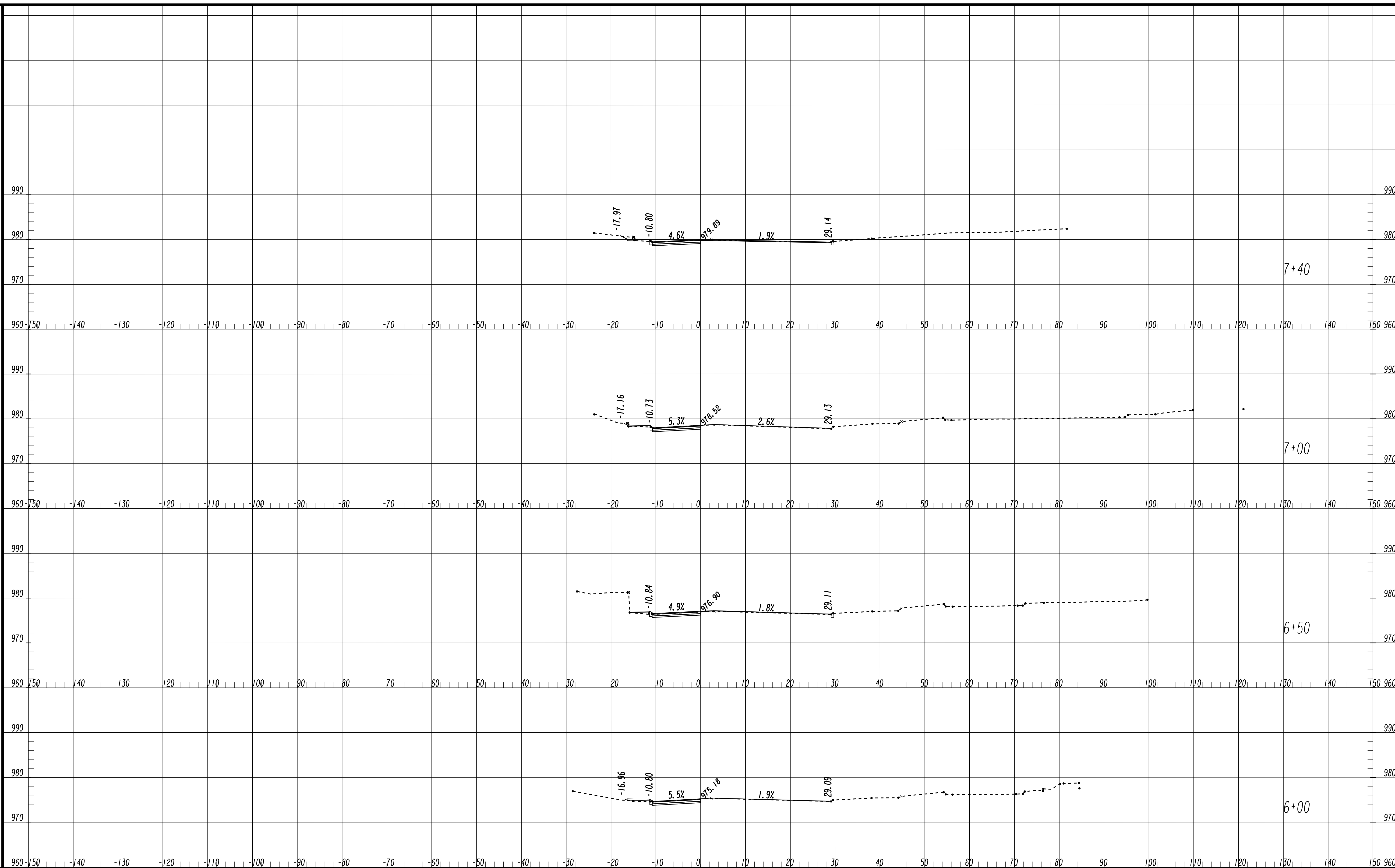
REVISIONS

REV.	DATE	BY	CHK.	APP.	DESCRIPTION

UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

CROSS SECTIONS MAGNOLIA STREET

FILE NAME: 7383112-
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **XS-105**



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED: _____
 DATE: _____



PLAT CARDS

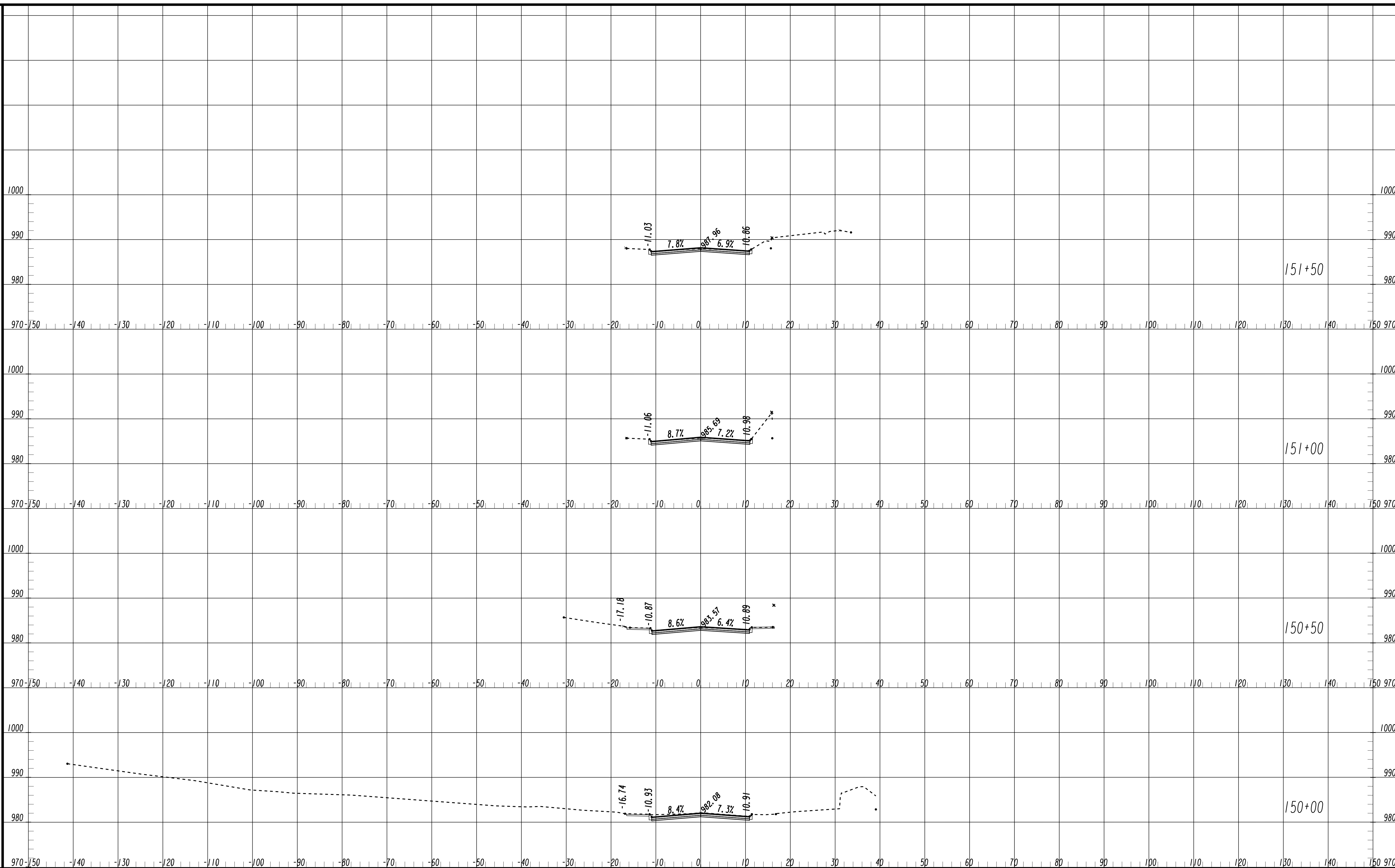
REVISIONS

REV.	DATE	BY	CHK.	APP.	DESCRIPTION

UPPER PROCTOR CREEK CAPACITY RELIEF
 PROJECT IN HISTORIC VINE CITY - PHASE C
 BID DOCUMENTS

CROSS SECTIONS MAGNOLIA STREET

FILE NAME: 7383112-
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **XS-106**



SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____



PLAT CARDS

REVISIONS

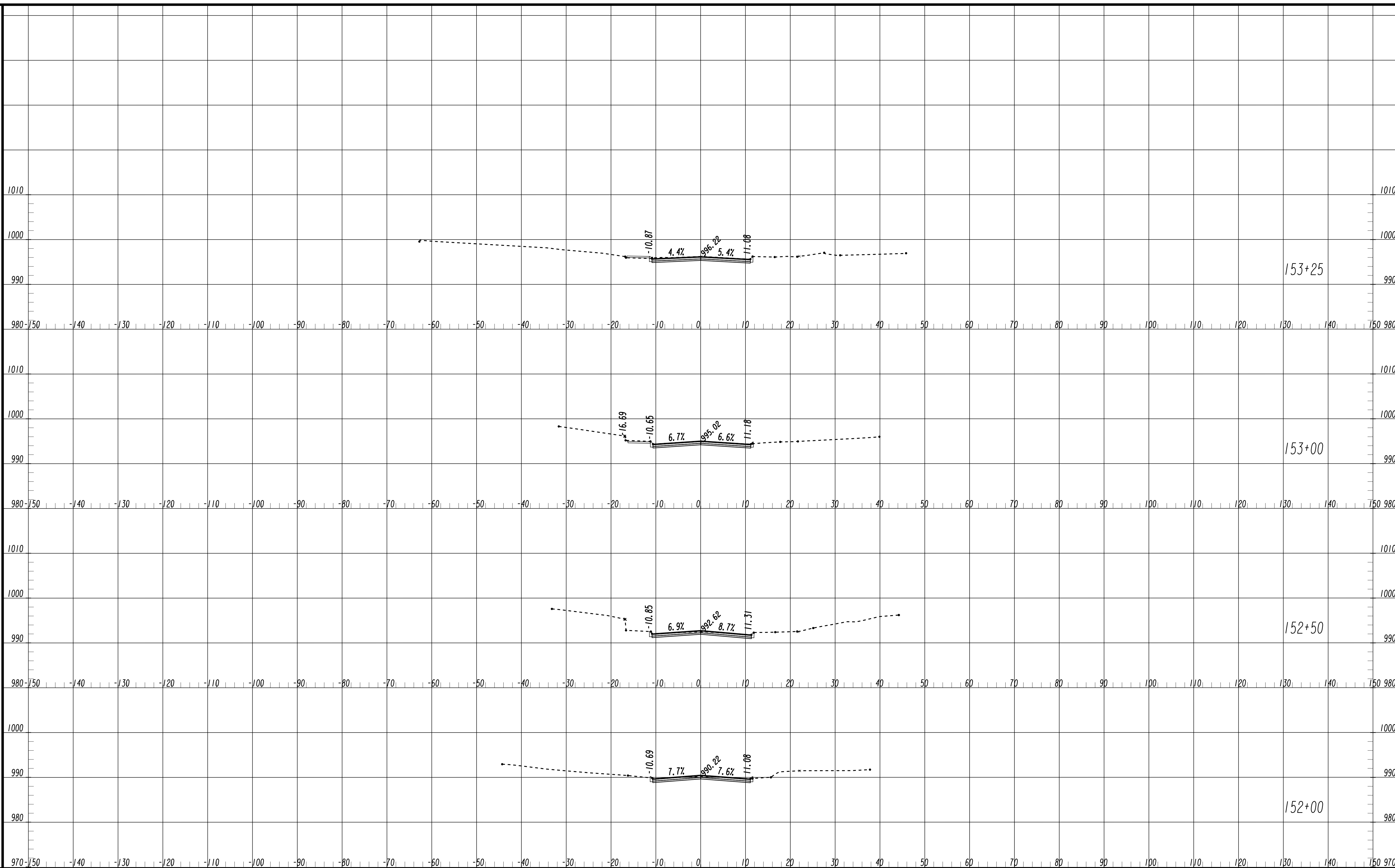
REV.	DATE	BY	CHK.	APP.	DESCRIPTION

CITY OF ATLANTA DEPARTMENT OF watershed management

UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS

**CROSS SECTIONS
MAGNOLIA STREET**

FILE NAME: 7383112-
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **XS-107**



SUBMITTED: _____
PROJECT MANAGER
DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
APPROVED BY: _____
DATE: _____



PLAT CARDS

REVISIONS

REV.	DATE	BY	CHK.	APP.	DESCRIPTION

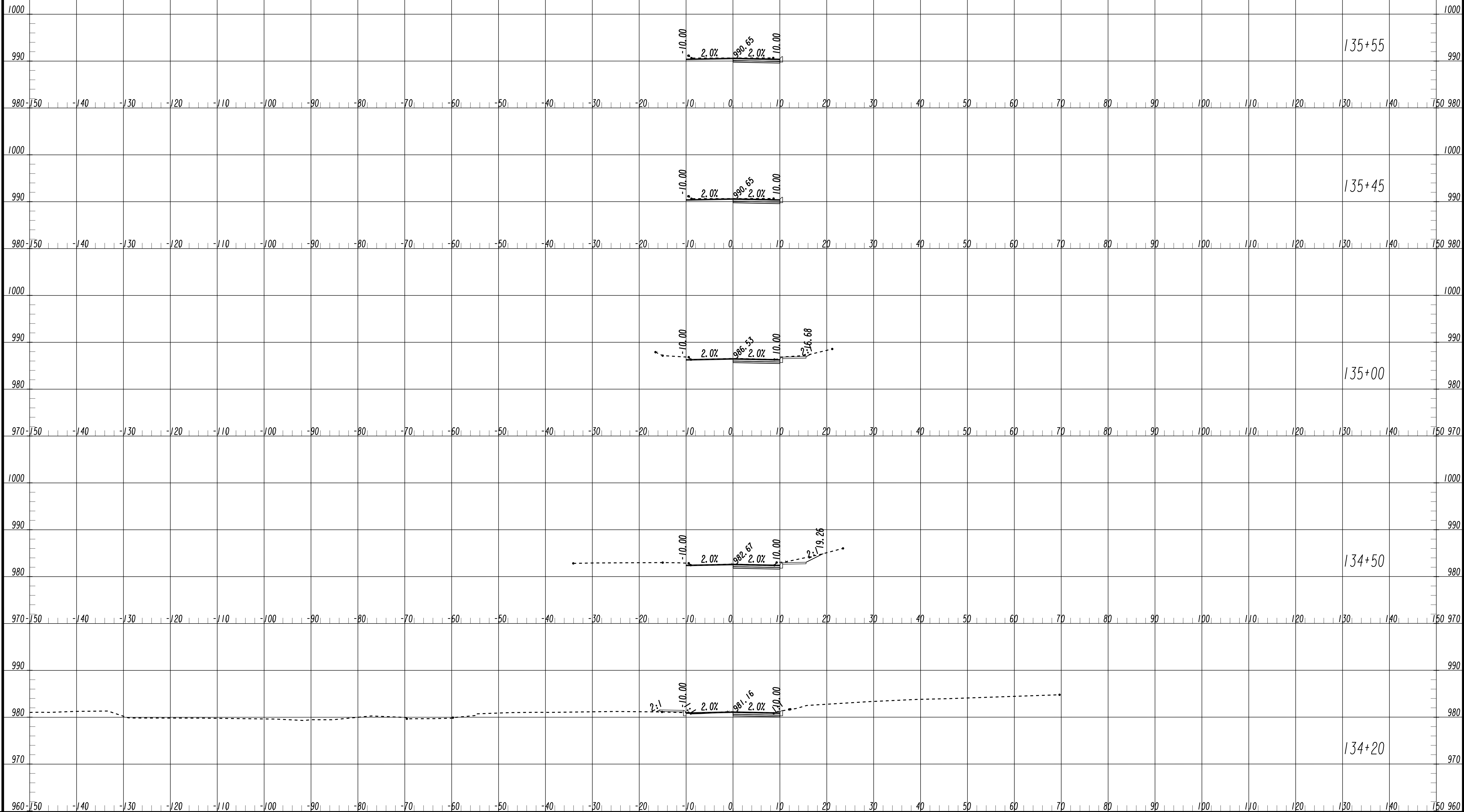
CITY OF ATLANTA DEPARTMENT OF watershed management

UPPER PROCTOR CREEK CAPACITY RELIEF
PROJECT IN HISTORIC VINE CITY - PHASE C
BID DOCUMENTS

**CROSS SECTIONS
MAGNOLIA STREET**

FILE NAME: 7383112-
BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
CLIENT PROJECT NUMBER: FC-7383F
DRAWING NUMBER: **XS-108**

BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158



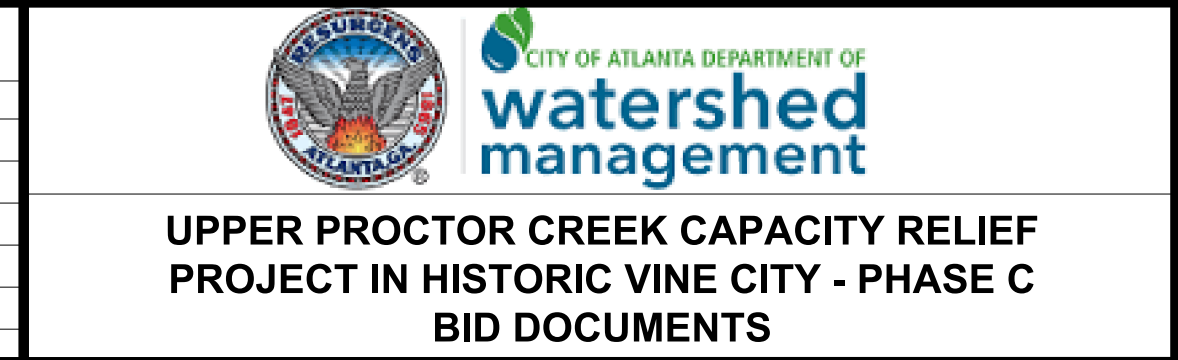
SUBMITTED: _____
 PROJECT MANAGER
 DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____



PLAT CARDS

REVISIONS

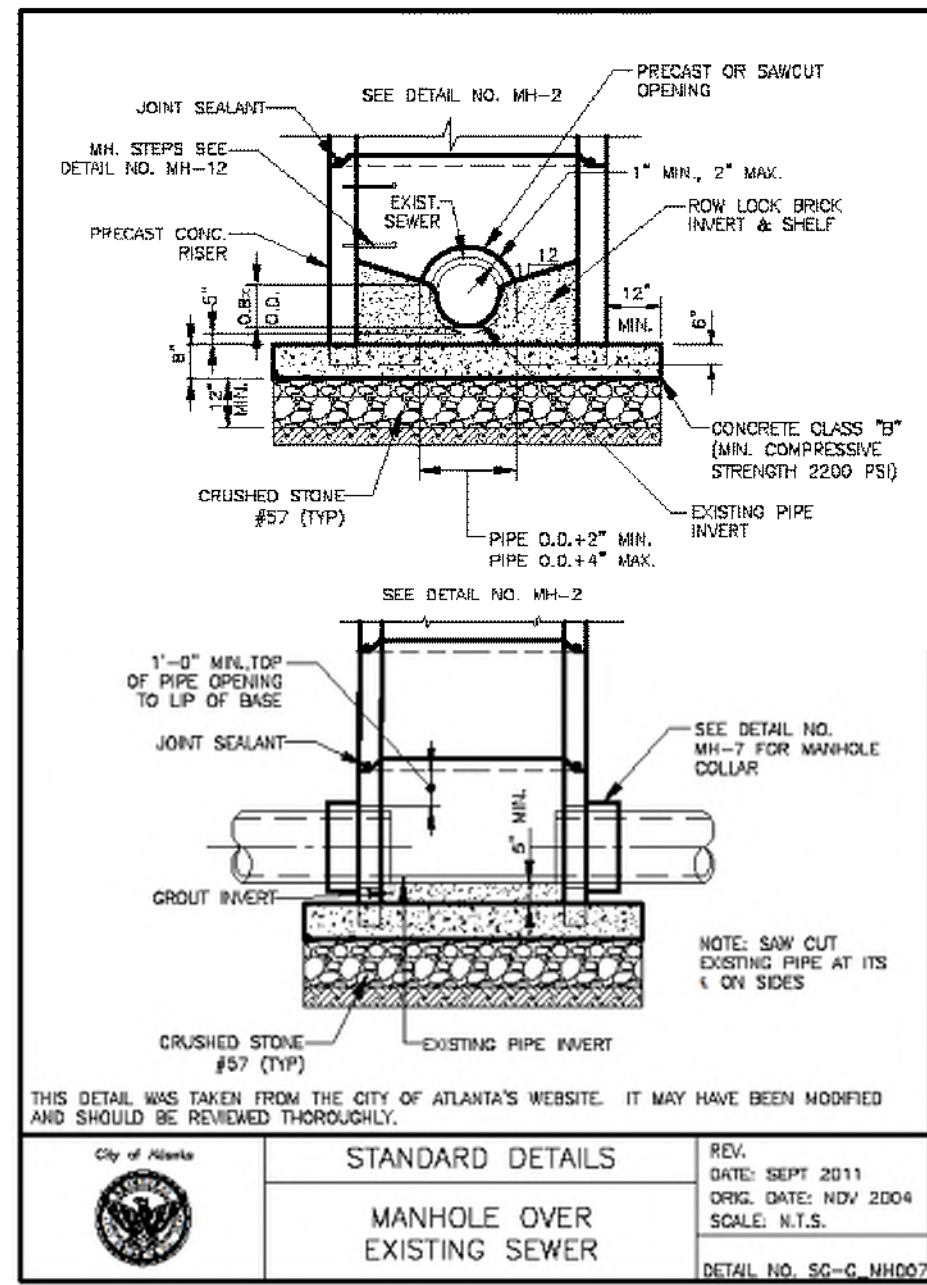
REV.	DATE	BY	CHK.	APP.	DESCRIPTION



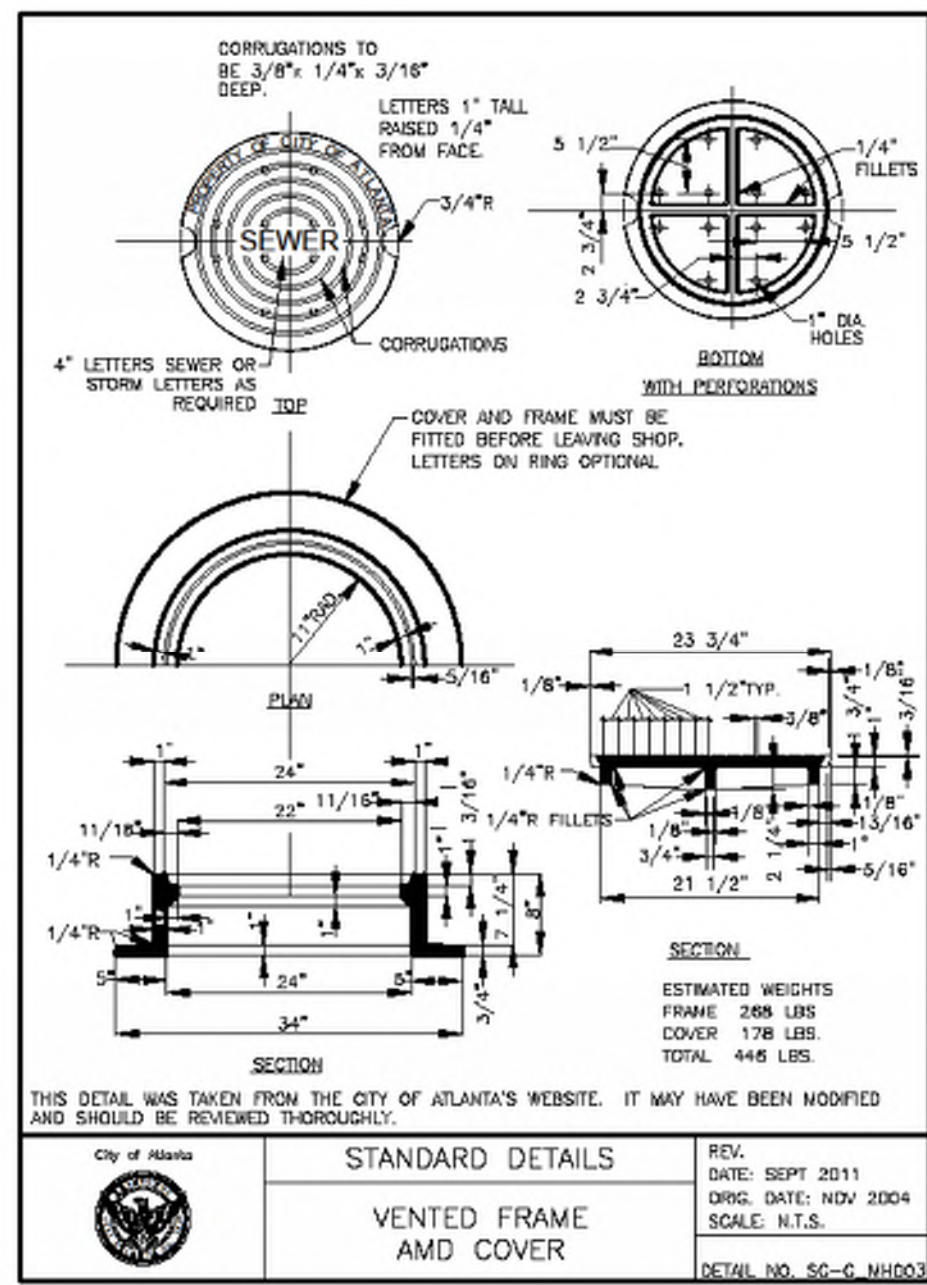
**CROSS SECTIONS
 ELECTRIC AVENUE**

FILE NAME: 7383112-
 BMLLC PROJECT NUMBER: 3089 A/E T.O. # 19
 CLIENT PROJECT NUMBER: FC-7383F
 DRAWING NUMBER: **XS-109**

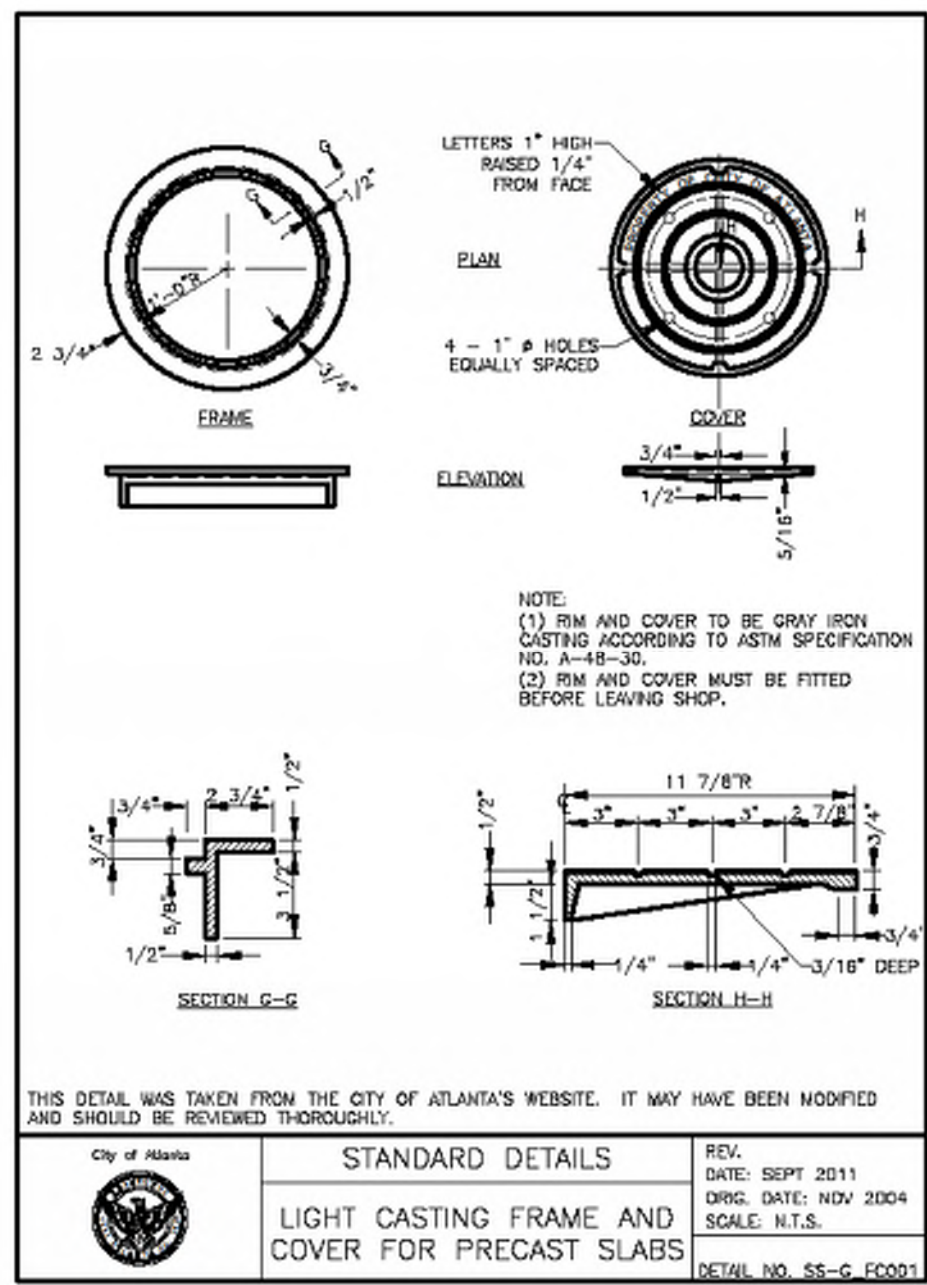
FILE: C:\USERS\YOSSEF\DESKTOP\UPC 100% C-02\00000000\UPC 100% C-02\00000000\UPC 100% PH C - NON-DESIGN SHEET.DWG SAVED BY: YOSSEF N SAHE DATE: 11/15/2019 8:50 PM



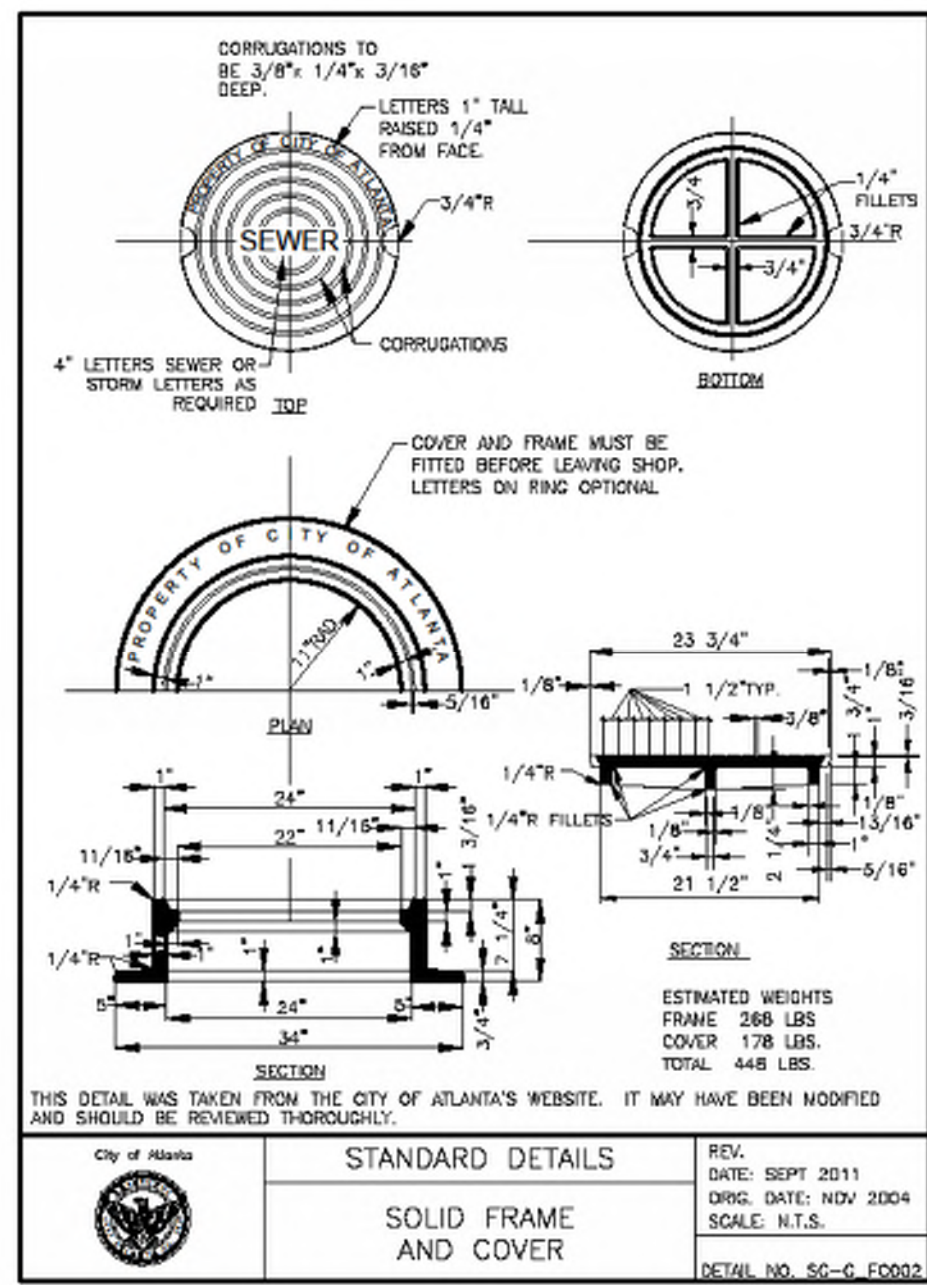
SD-1
SHEET
D-100



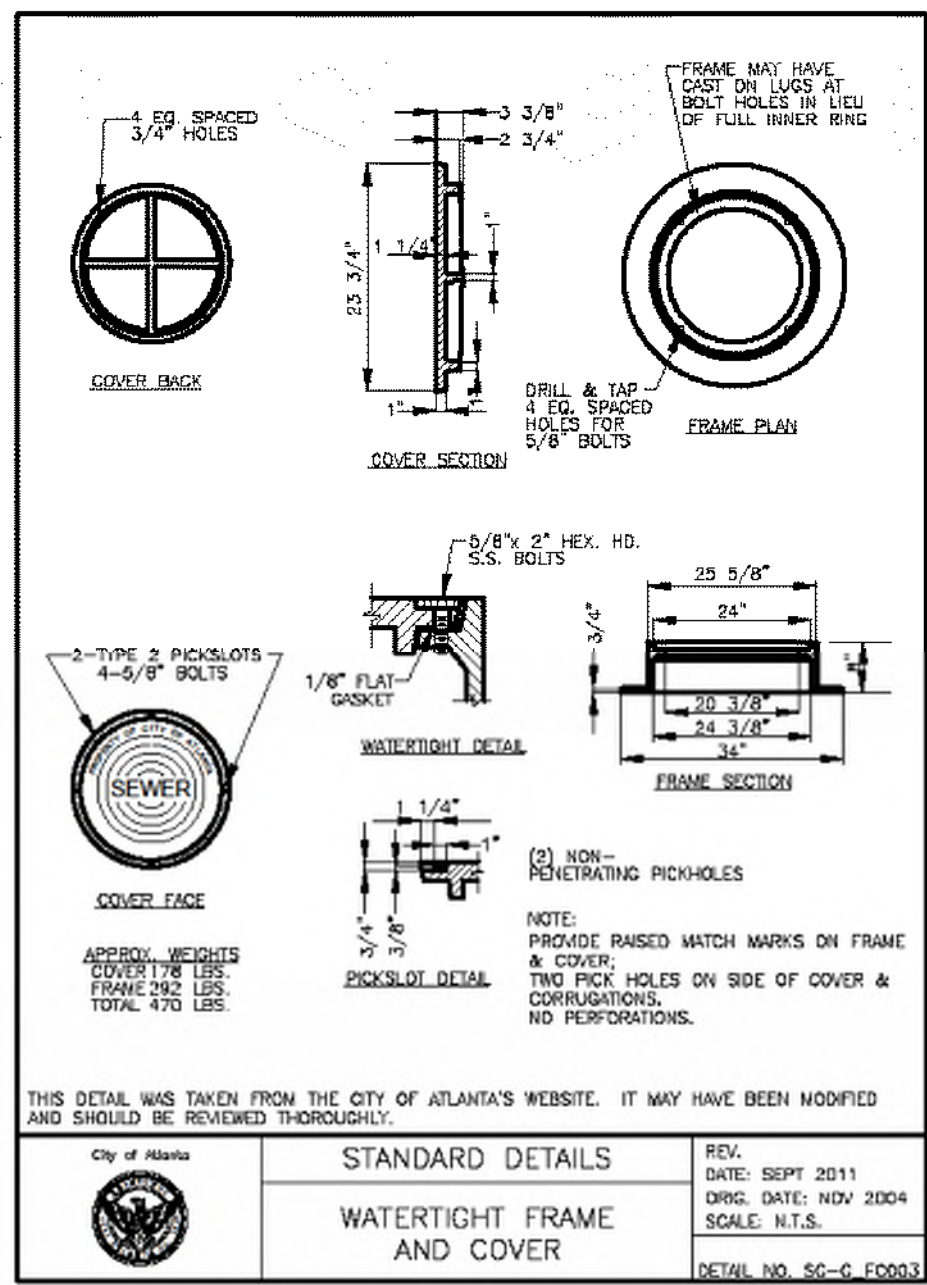
SD-2
SHEET
D-100



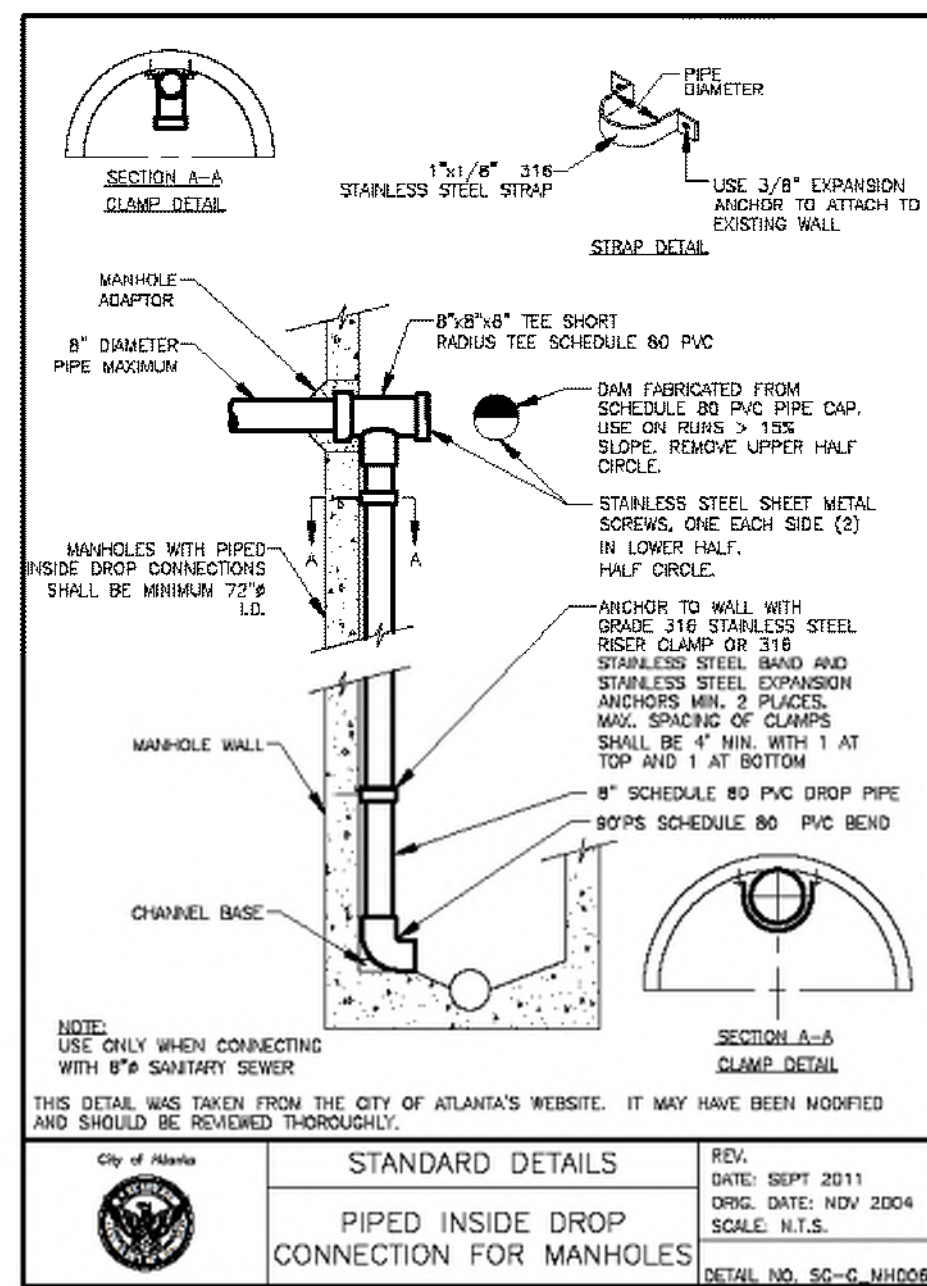
SD-3
SHEET
D-100



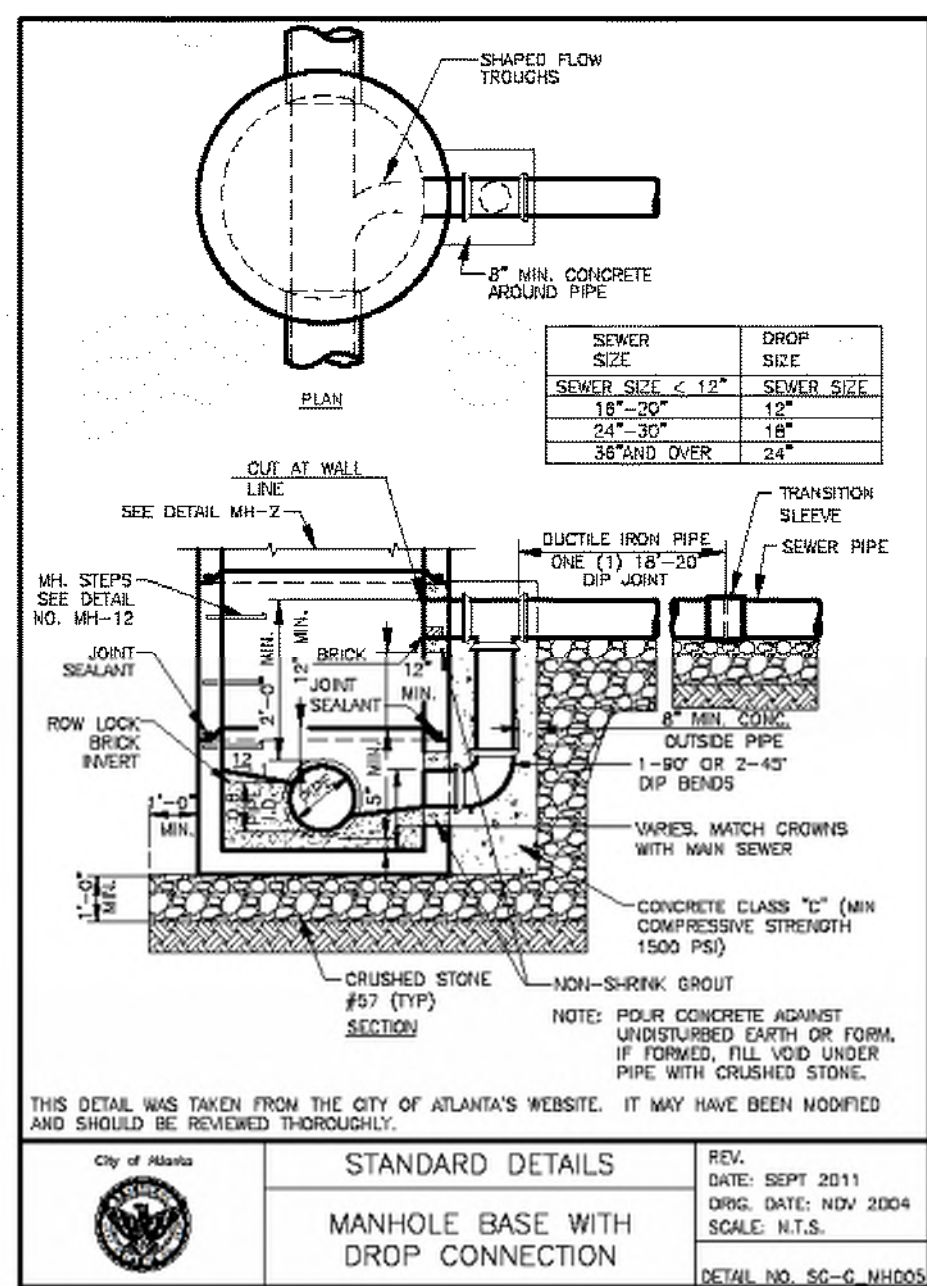
SD-4
SHEET
D-100



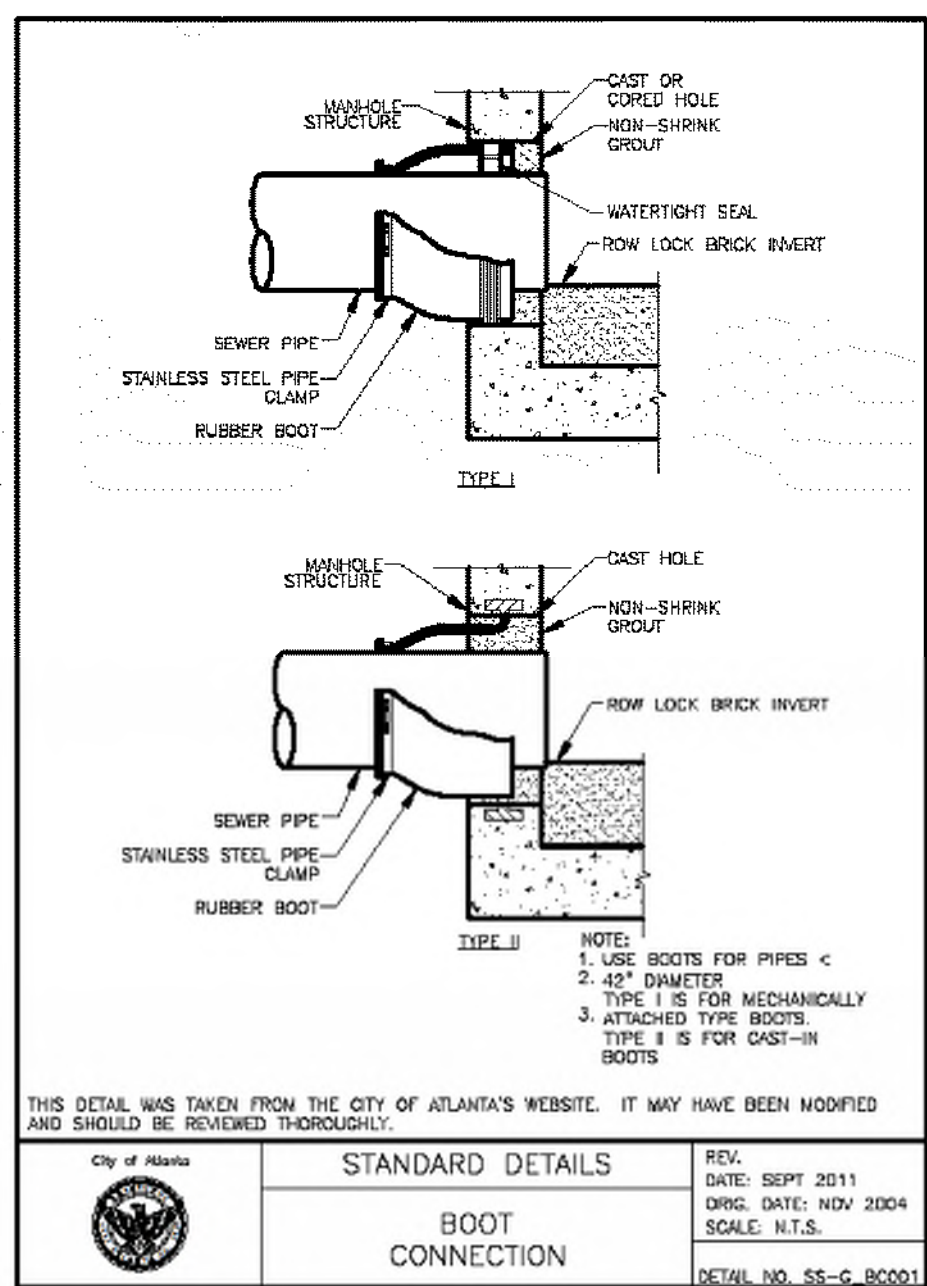
SD-5
SHEET
D-100



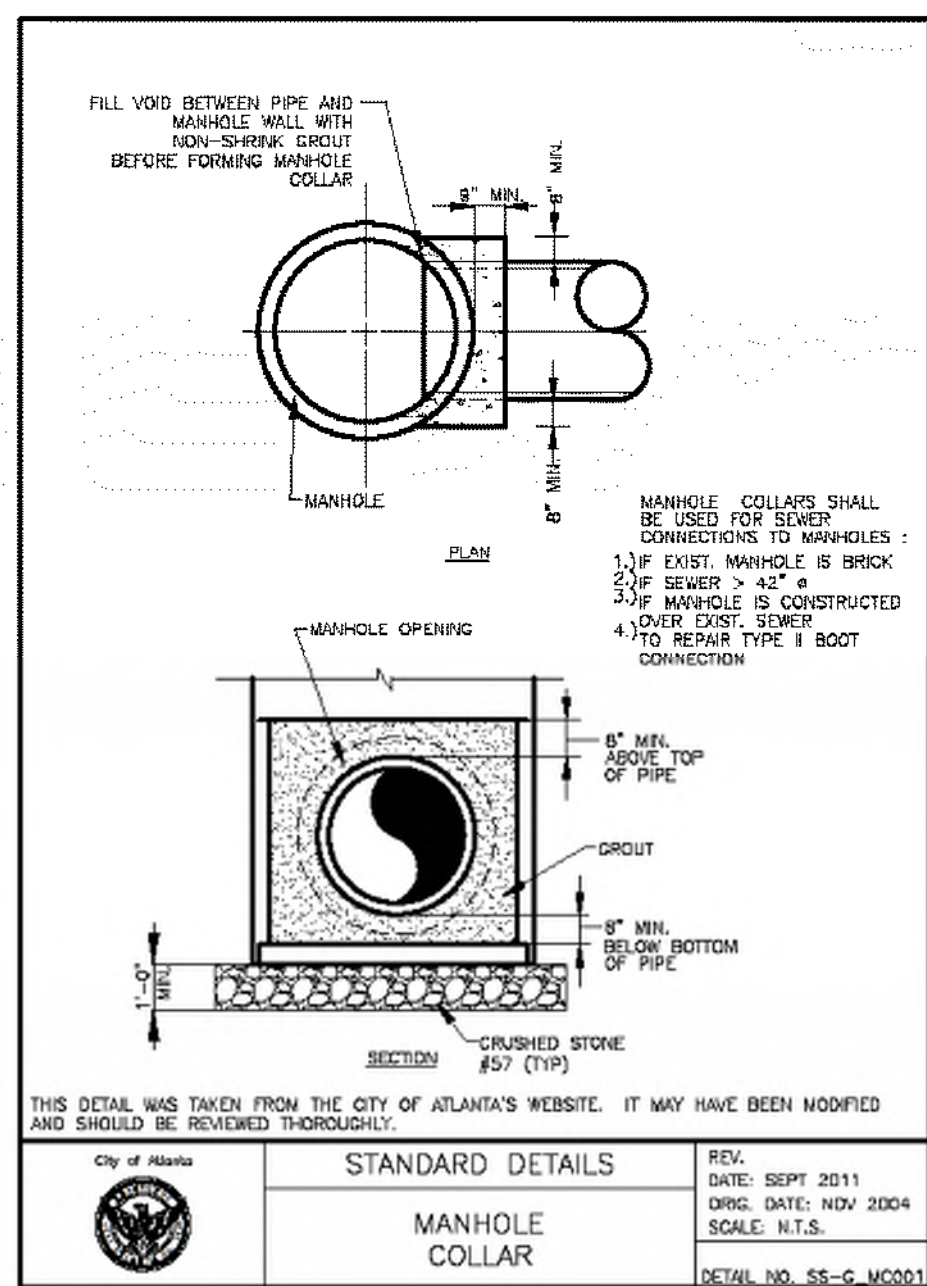
SD-6
SHEET
D-100



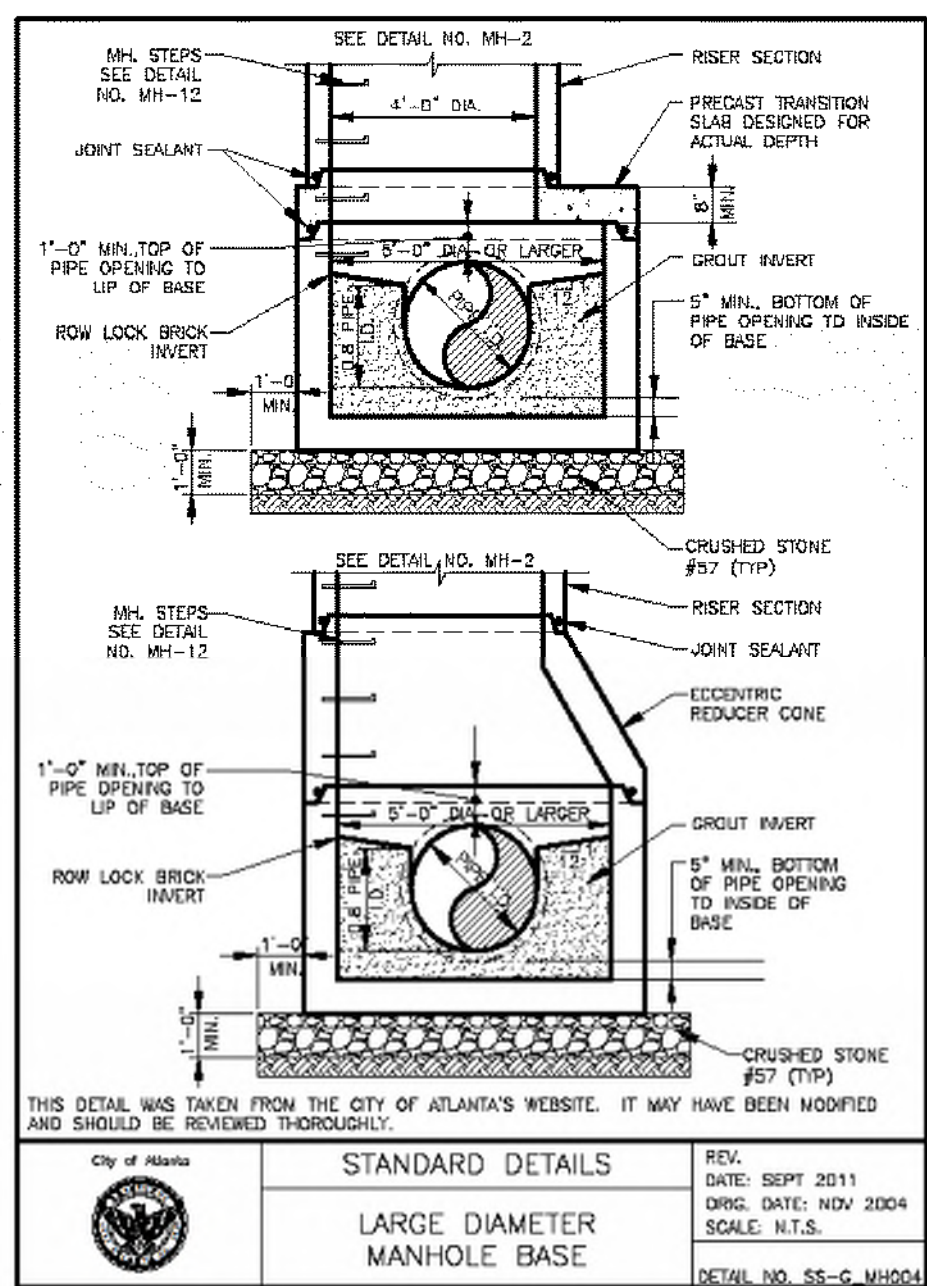
SD-7
SHEET
D-100



SD-8
SHEET
D-100



SD-9
SHEET
D-100



SD-10
SHEET
D-100



Know what's below.
Call before you dig.

Benchmark Management
BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-8656
FAX: (404) 581-0158

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
PROJECT MANAGER:	DESIGNED BY: TJ
DATE: 11/15/2019	DRAWN BY: TJ
APPROVED:	CHECKED BY: RC
DATE:	APPROVED BY: EA



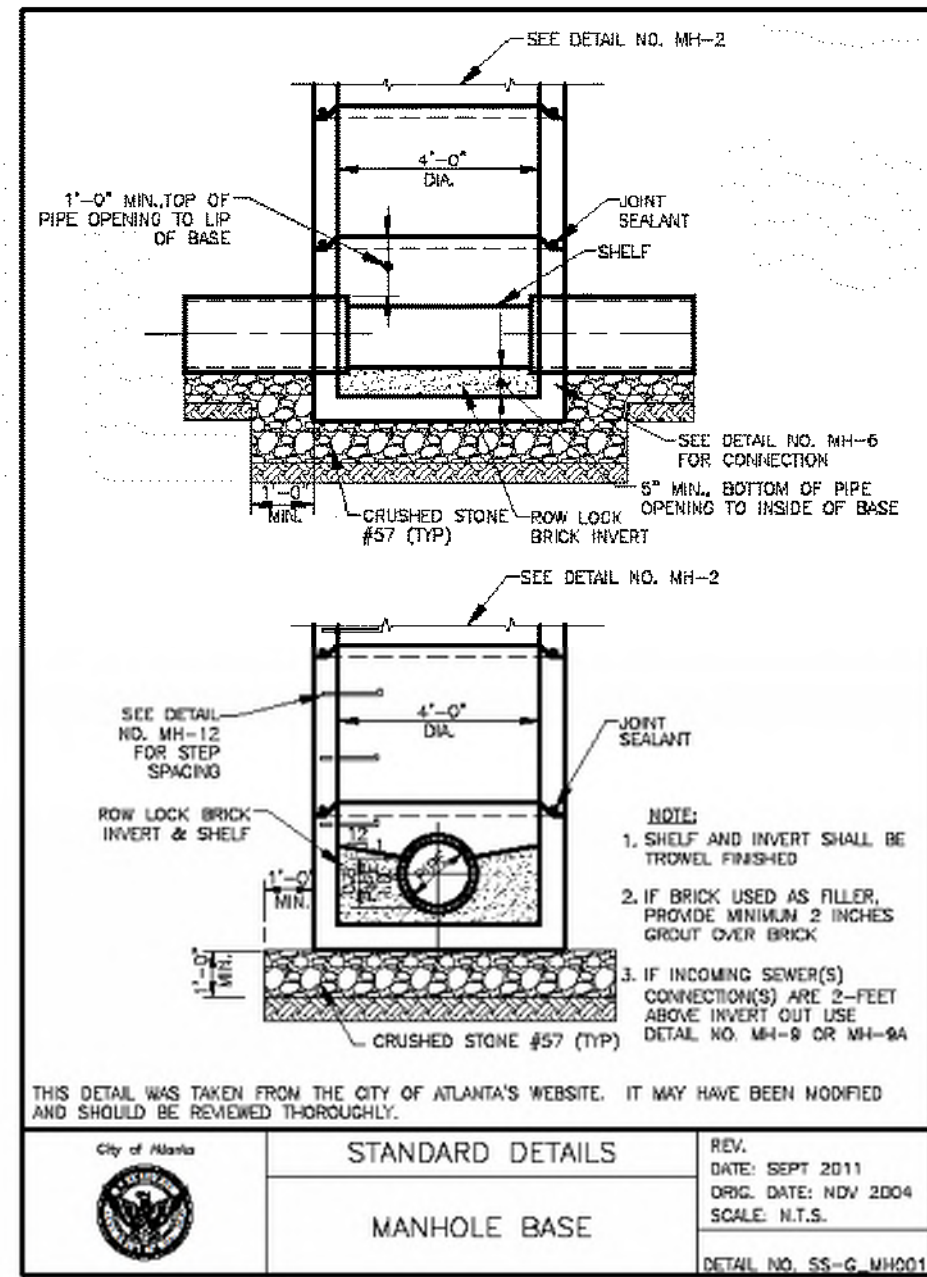
PLAT CARDS		
52	675	111
112	945	---

REVISIONS						
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

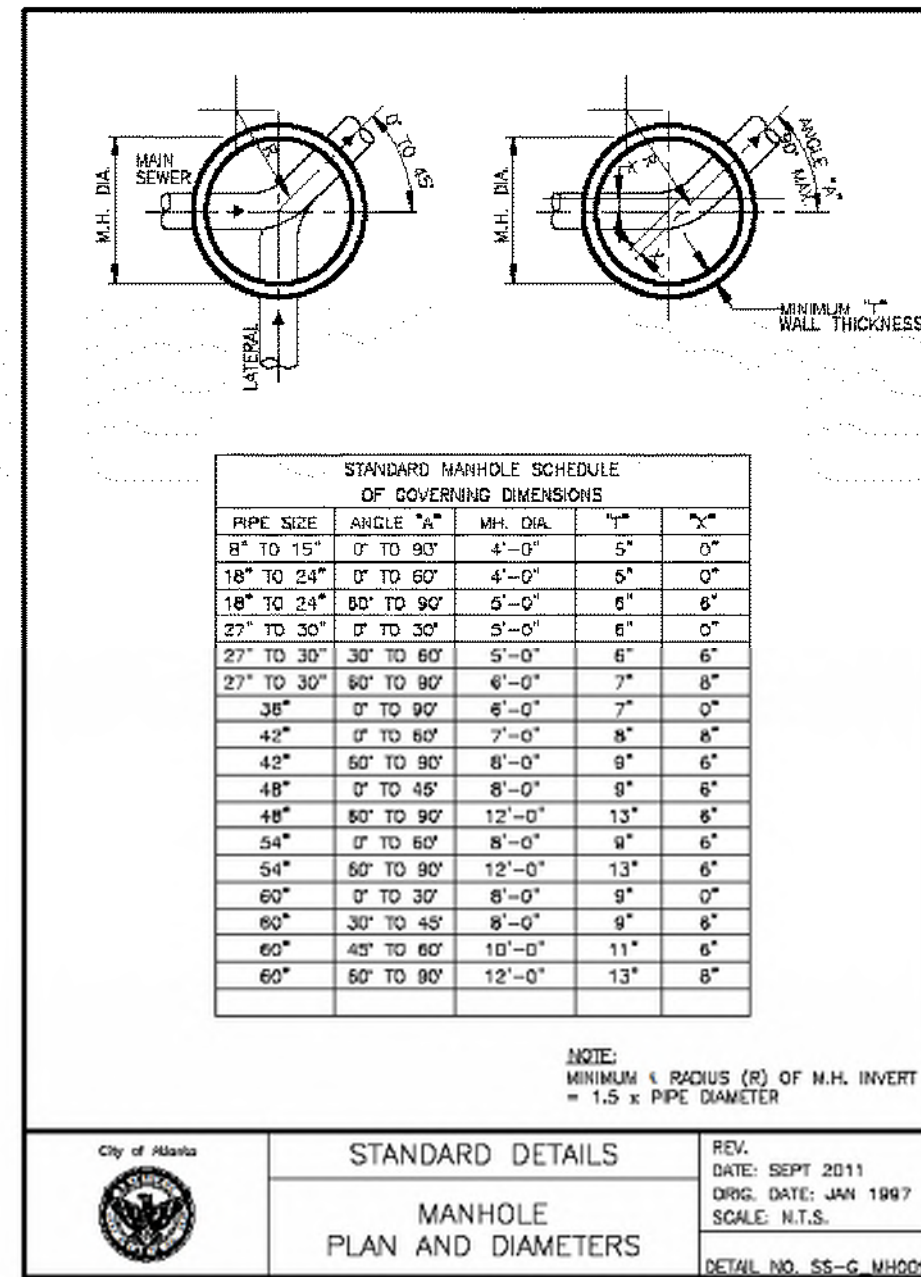
CITY OF ATLANTA DEPARTMENT OF watershed management
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

STANDARD DETAILS
D-100

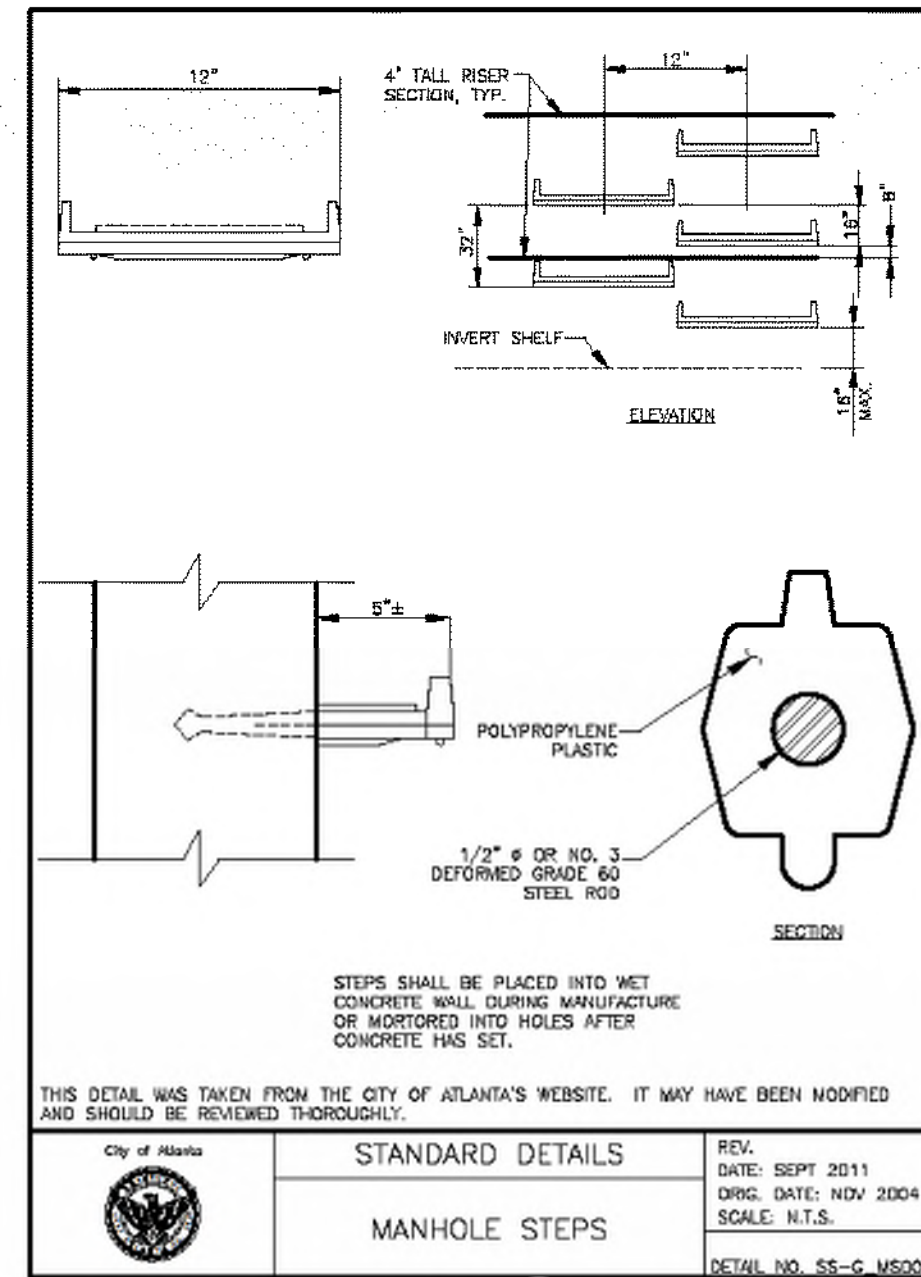
FILE NAME: UPC 100% PH C - NON-DESIGN SHEET.DWG
BMMLLC PROJECT NUMBER 3089 A/E
CLIENT PROJECT NUMBER ---
DRAWING NUMBER D-100



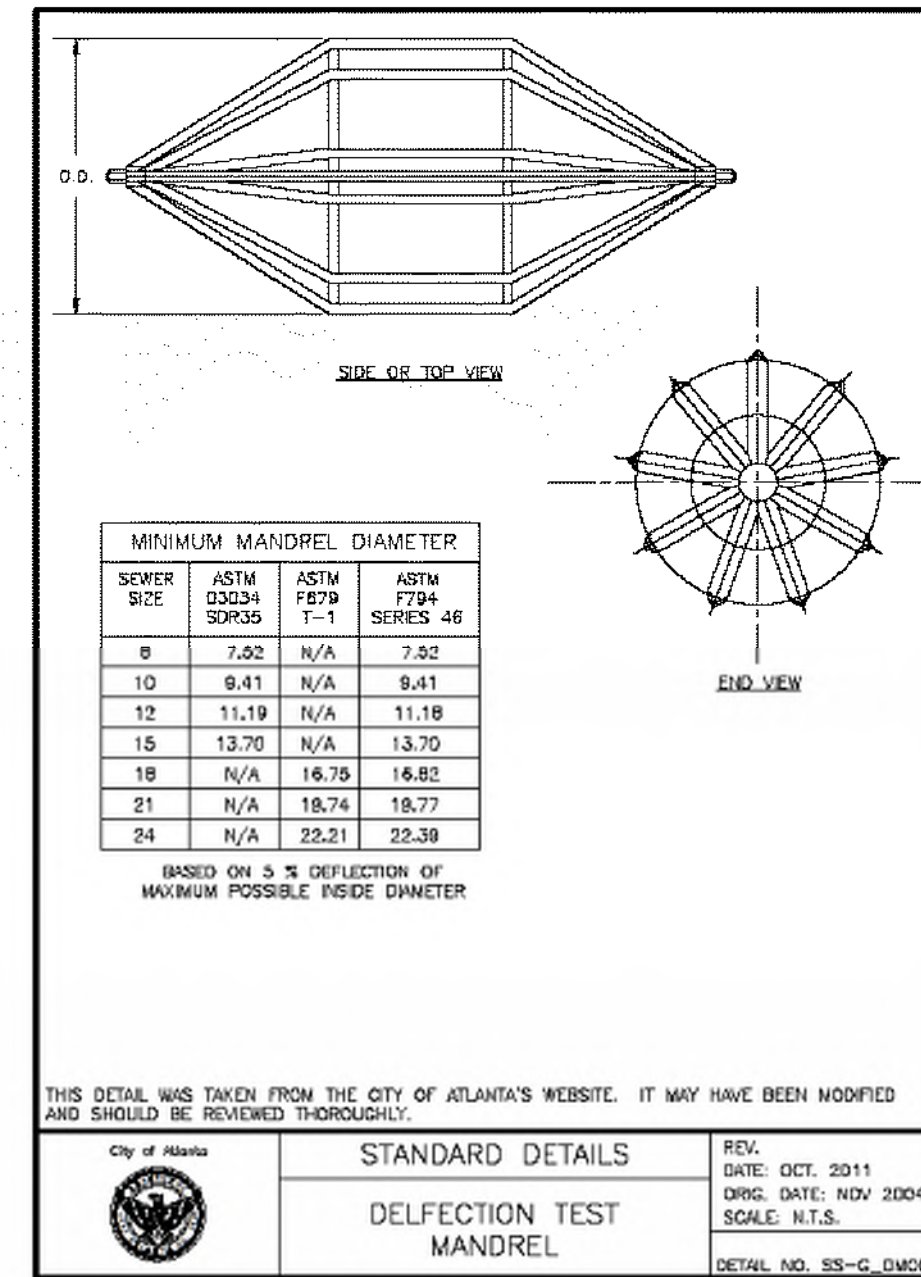
SD-1
SHEET
D-101



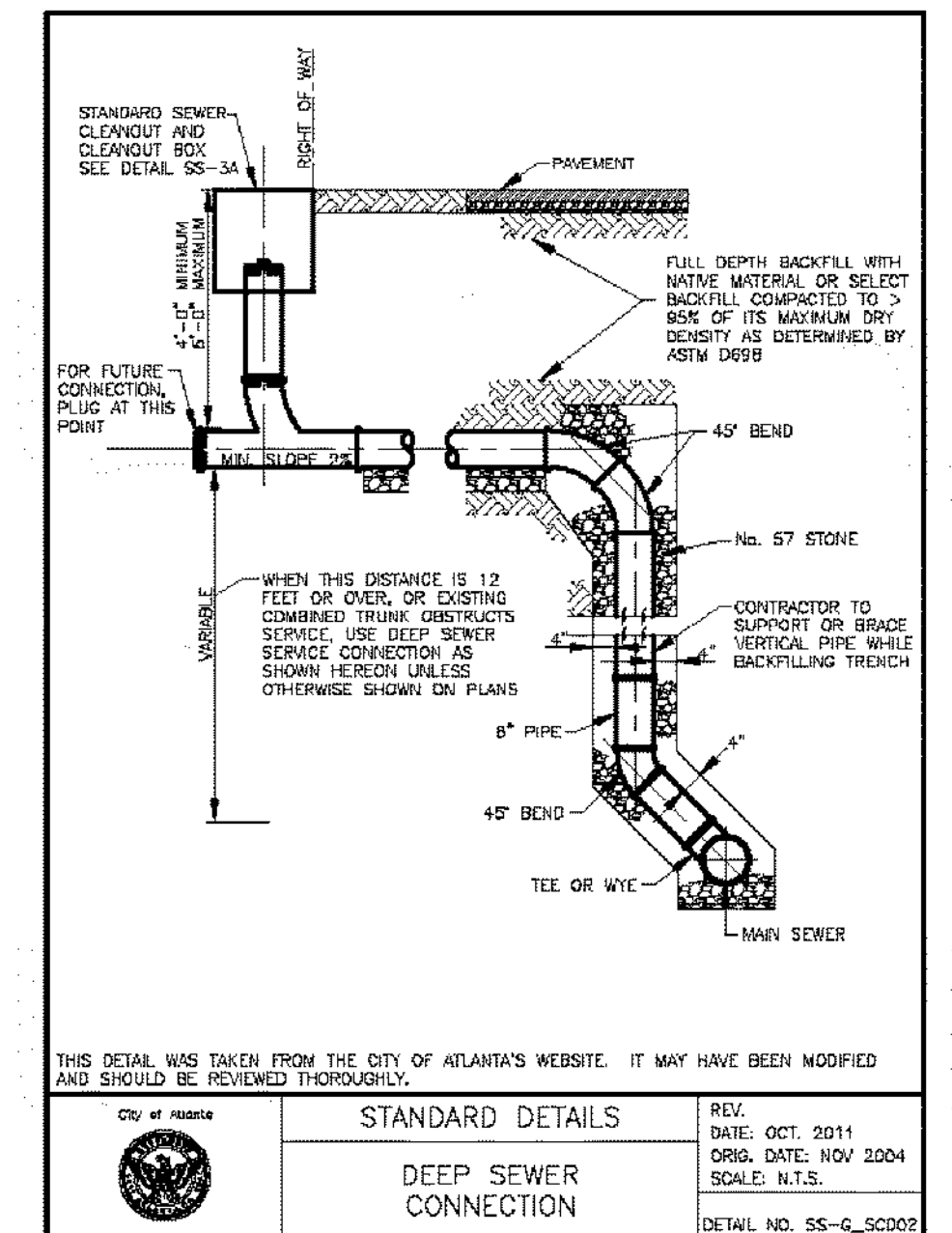
SD-2
SHEET
D-101



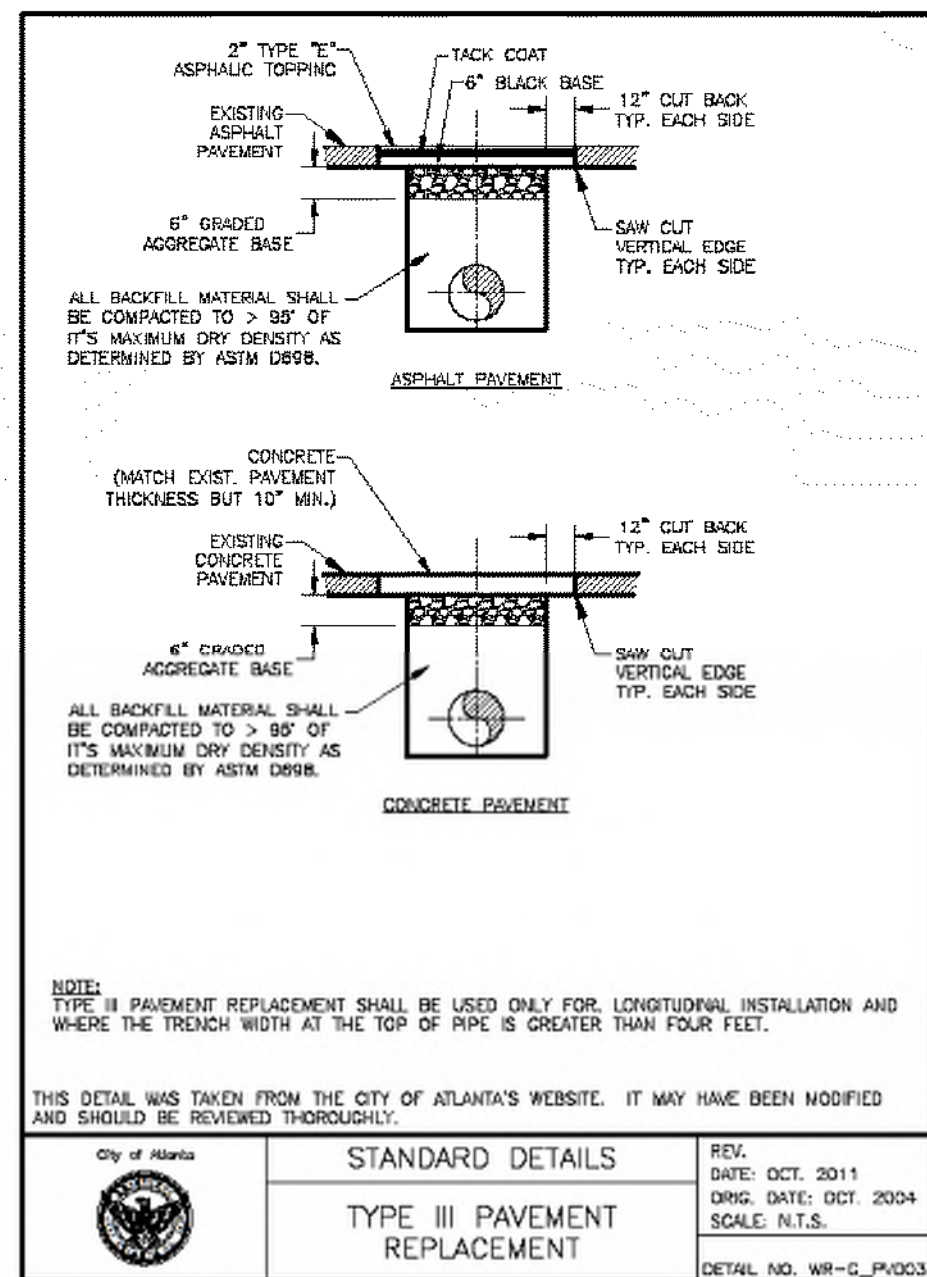
SD-3
SHEET
D-101



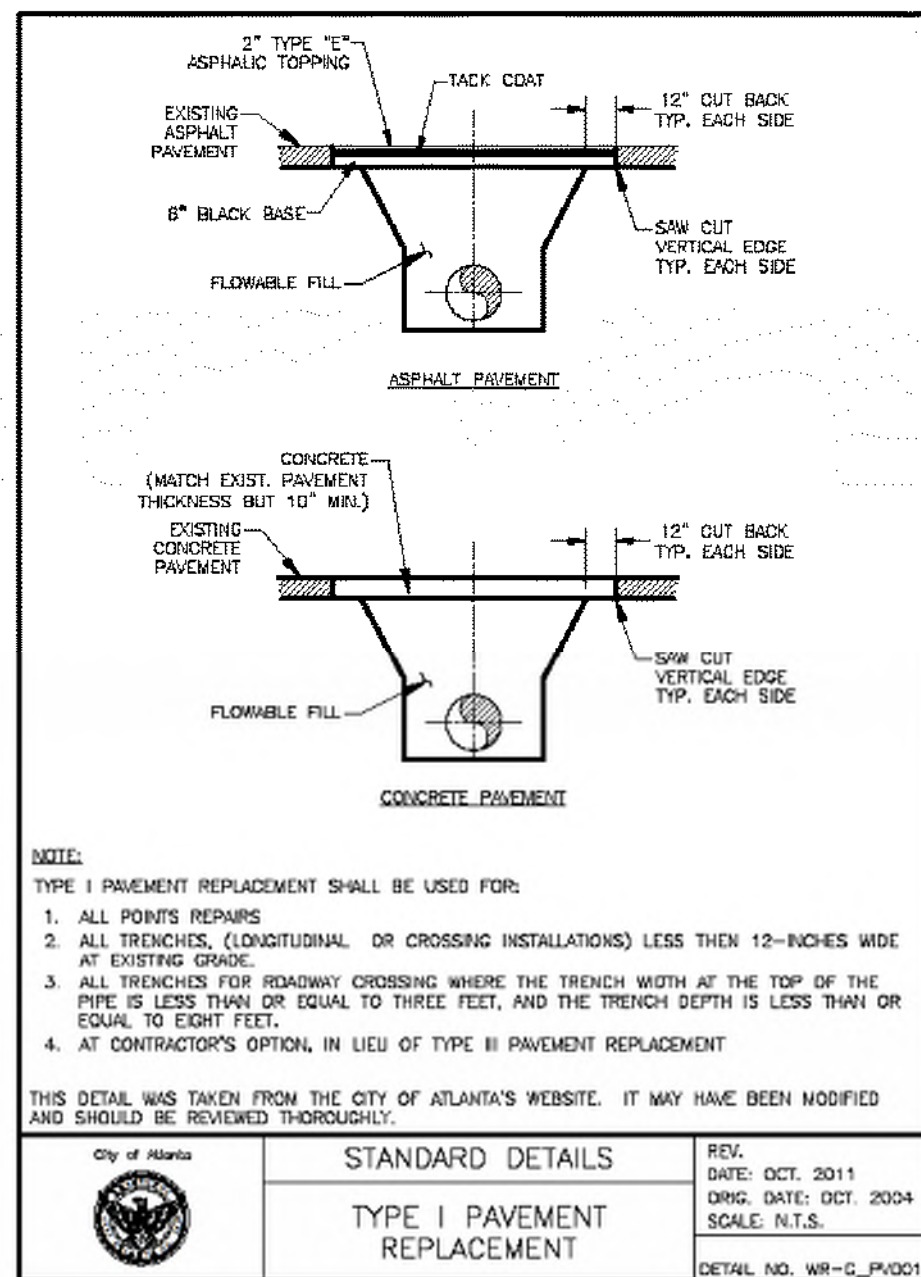
SD-4
SHEET
D-101



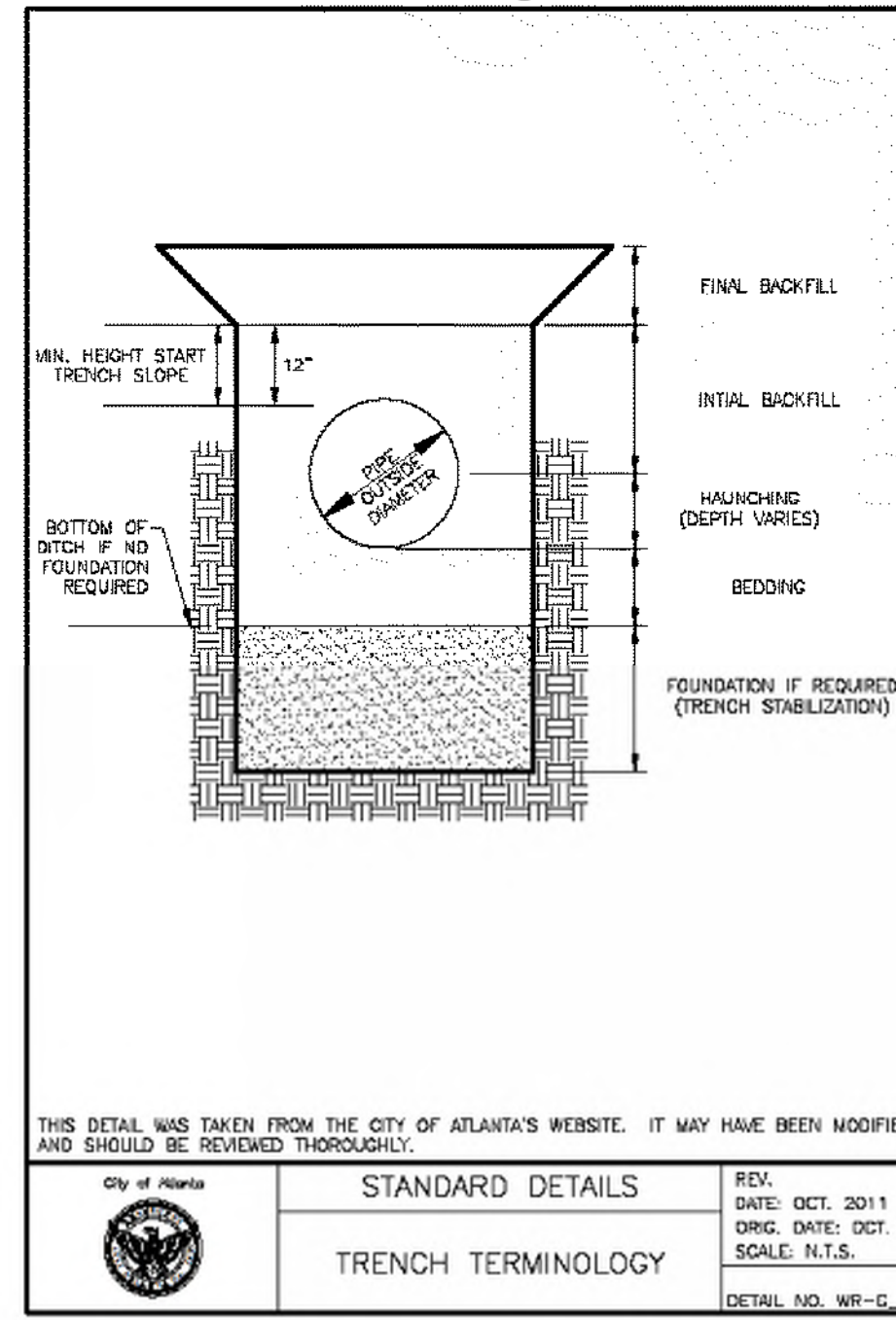
SD-5
SHEET
D-101



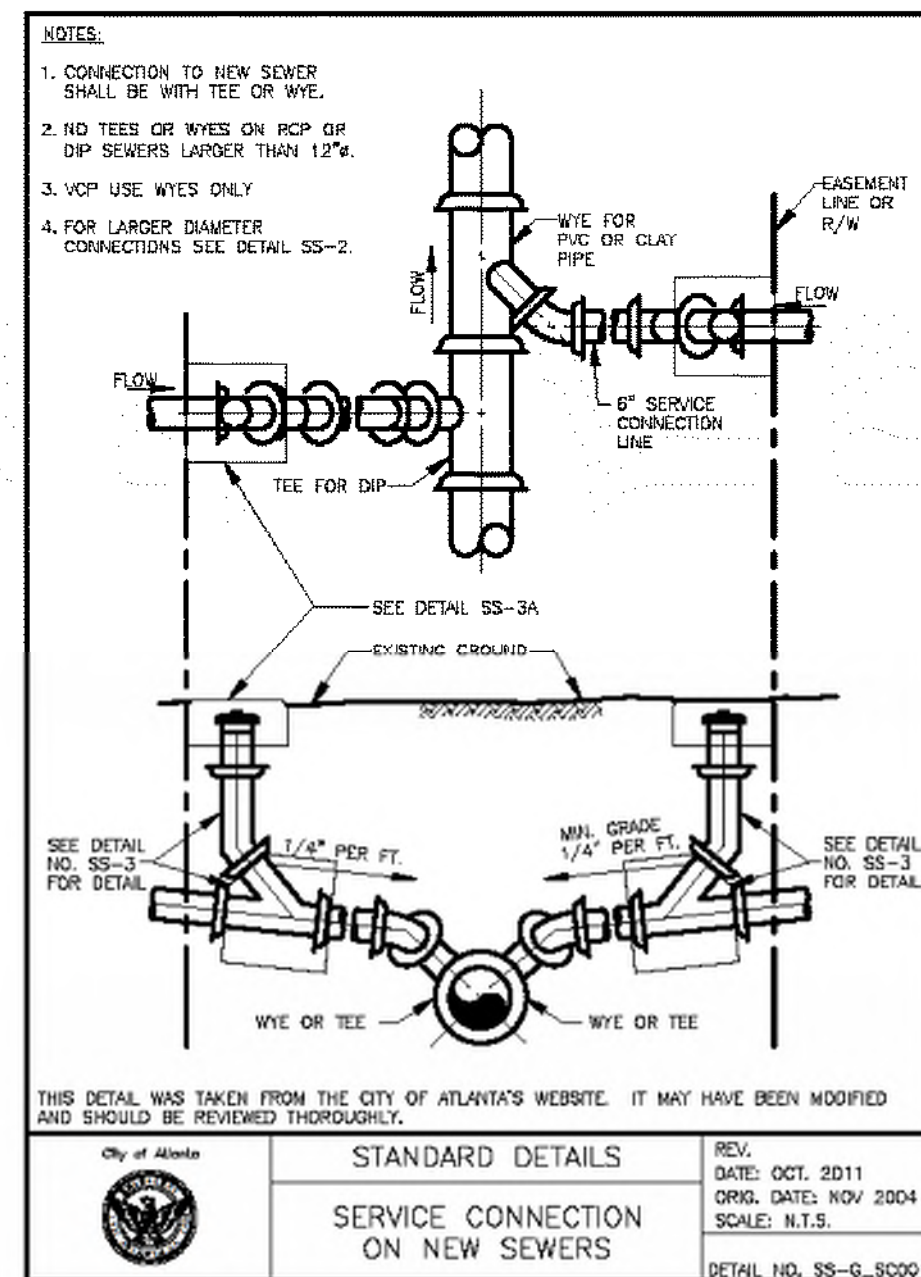
SD-6
SHEET
D-101



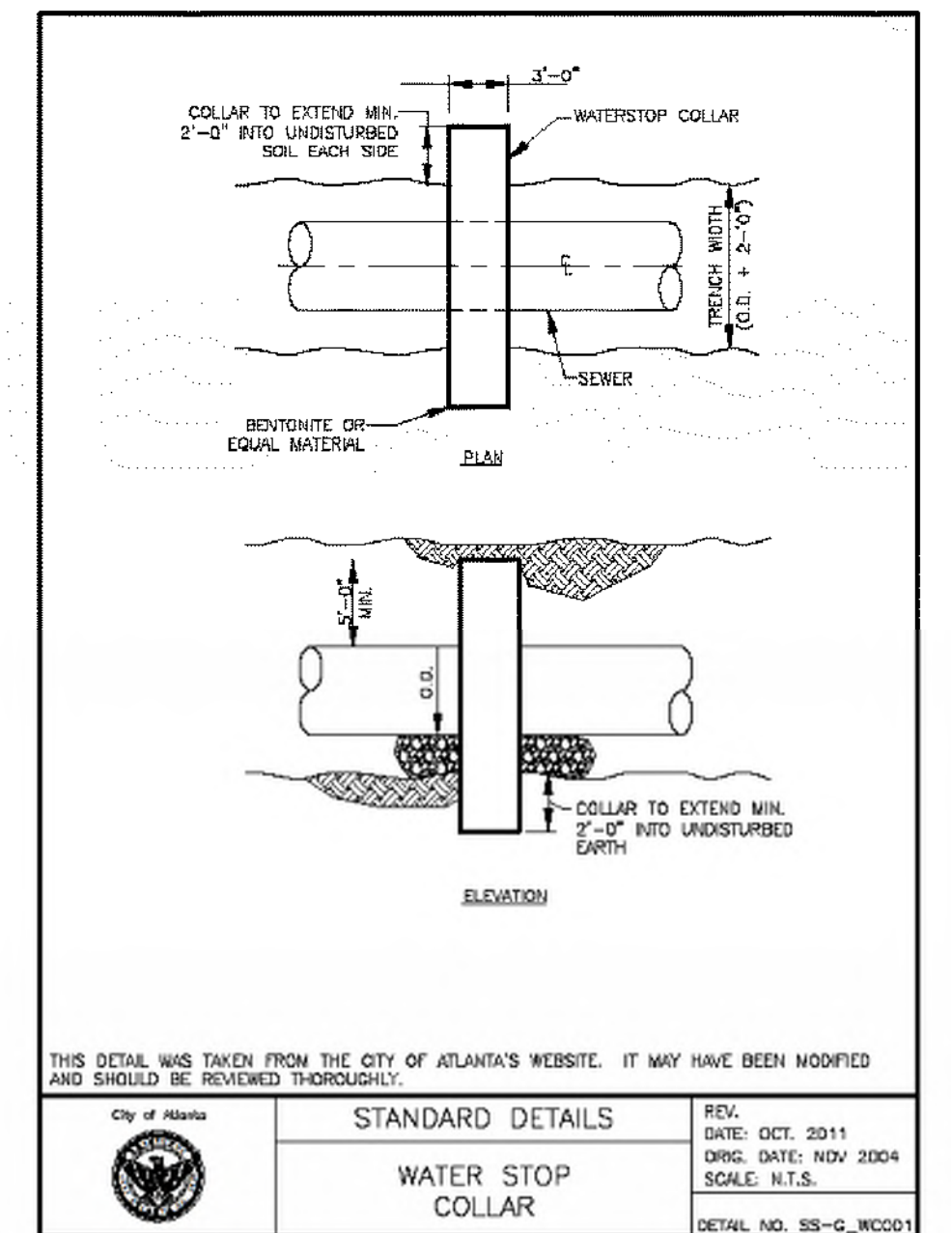
SD-7
SHEET
D-101



SD-8
SHEET
D-101



SD-9
SHEET
D-101



SD-10
SHEET
D-101



Know what's below.
Call before you dig.



SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" SCALE ACCORDINGLY)
PROJECT MANAGER:	DESIGNED BY: TJ
DATE: 11/15/2019	DRAWN BY: TJ
APPROVED:	CHECKED BY: RC
DATE:	APPROVED BY: EA



PLAT CARDS		
52	675	111
112	945	---

REVISIONS						
REV.	DATE	BY	CHK.	APP.	DESCRIPTION	

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

STANDARD DETAILS

FILE NAME	UPC_100%_PH_C_NON-DESIGN_SHEET.DWG
BMMLC PROJECT NUMBER	3089 A/E
CLIENT PROJECT NUMBER	---
DRAWING NUMBER	D-101

FILE C:\USERS\YOSSEF\DESKTOP\UPC_100%_PH_C_NON-DESIGN_SHEET.DWG SAVED BY: YOSSEF N. SADE DATE: 11/15/2019 8:50 PM

ALL RIBS EQUALLY SPACED, BEGIN AT CENTER OF LID, STRADDLE C.L. AND LAY OFF 1-21/64\"/>

COMMON BRICK FOOTERS (MIN. 4)

SECTION A-B
CLEANOUT BOX LID

SECTION B-B
CLEANOUT BOX LID

SECTION C-C
CLEANOUT BOX

SECTION D-D
CLEANOUT BOX

GENERAL NOTES:
 1. UNLESS NOTED OTHERWISE, CAST IRON SHALL CONFORM TO A.S.T.M. SPECIFICATIONS A48 LATEST REVISION FOR CLASS 20 GREY IRON CASTINGS.
 2. CASTINGS SHALL BE TRUE AND FREE OF HOLES. THEY SHALL BE CLEANED ACCORDING TO GOOD FOUNDRY PRACTICE, CHIPPED AND GROUND AS NEEDED TO REMOVE FINIS AND ROUGH PLACES.
 3. FINISHED CASTINGS SHALL BE COATED INSIDE AND OUTSIDE WITH COAL TAR PITCH VARNISH AS INDICATED IN A.W.W.A. SPECIFICATIONS C110, LATEST REVISION. COATING MAY BE APPLIED COLD AND SHALL BE SMOOTH, GLOSSY, NOT BRITTLE WHEN COLD, NOT STICKY WHEN EXPOSED TO THE SUN, AND SHALL ADHERE TO THE METAL AT ALL TEMPERATURES.
 4. WHEN COATING IS COMPLETE, LID SHALL FIT SNUGLY WITHOUT ROCKING.

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta
 STANDARD DETAILS
 SANITARY CLEANOUT BOX
 REV. DATE: OCT. 2011
 ORIG. DATE: NOV 2004
 SCALE: N.T.S.
 DETAIL NO. SS-G_SCD05

SD-1
 SHEET
 D-102

NOTE: TOP OF CLEANOUT BOX SHALL BE FLUSH WITH FINAL SURFACE IN SIDEWALKS AND PAVED AREAS

1\"/>

STD. SEWER CLEANOUT PLUG

CAST IRON CLEANOUT BOX SEE DETAIL SS-3A

8\"/> DI OR PVC PIPE

FITTING (1/8 BEND)

SEWER SERVICE

6\"/>

PLUG OR EXTEND AS REQUIRED

FITTING

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta
 STANDARD DETAILS
 SERVICE CONNECTION CLEANOUT
 REV. DATE: OCT. 2011
 ORIG. DATE: NOV 2004
 SCALE: N.T.S.
 DETAIL NO. SS-G_SCD04

SD-2
 SHEET
 D-102

CATCH BASIN
 (IF CATCH BASIN HAS LONGITUDINAL PIPE OVER 4\"/>

DETAIL OF TOP SLAB REBAR STEEL & CLEARANCES REQ'D
 (FOR USE WITH LONGITUDINAL PIPE OR FOR USE WITH REINFORCED DOME)

CATCH BASIN (WITH PROTECTED BACK)
 (FOR USE WITH LONGITUDINAL PIPE OR FOR USE WITH REINFORCED DOME)

DETAIL OF TOP REINFORCED CONCRETE SLAB

DEPARTMENT OF TRANSPORTATION
 STATE OF GEORGIA
 STANDARD
 CATCH BASINS
 FOR USE WITH HEADS OR INTEGRAL CURBS
 SCALE AS SHOWN
 REV. DATE: SEPT 2011
 ORIG. DATE: NOV 2004
 SCALE: N.T.S.
 DETAIL NO. TR-B_SW010

SD-3
 SHEET
 D-102

CATCH BASIN
 (IF CATCH BASIN HAS LONGITUDINAL PIPE OVER 4\"/>

DETAIL OF TOP SLAB REBAR STEEL & CLEARANCES REQ'D
 (FOR USE WITH LONGITUDINAL PIPE OR FOR USE WITH REINFORCED DOME)

SECTION I-I
 SECTION A-A
 SECTION J-J

DEPARTMENT OF TRANSPORTATION
 STATE OF GEORGIA
 STANDARD
 CATCH BASINS
 FOR USE WITH HEADS OR INTEGRAL CURBS
 SCALE AS SHOWN
 REV. DATE: SEPT 2011
 ORIG. DATE: NOV 2004
 SCALE: N.T.S.
 DETAIL NO. TR-B_SW010

SD-4
 SHEET
 D-102

VENT HOLE AT 1.225\"/>

0.857\"/>

1.714\"/> TYP.

0.90\"/>

0.081\"/>

0.040\" x 0.081\" INTEGRATED NON-SLIP PATTERN BETWEEN DOMES

48.00\"/>

24.00\"/>

0.30\" TYP.
 0.15\" TYP.
 5 x 0.040\" x 0.081\" INTEGRATED NON-SLIP PATTERN AT TOP OF DOMES

0.060\"/>

1.225\"/>

R 0.060\"

0.25\" DIAMETER VENT HOLES FOR SPACING SEE TOP VIEW

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta
 STANDARD DETAILS
 TRUNCATED DOME DETAIL
 DATE: SEPT 2011
 ORIG. DATE: NOV 2004
 SCALE: N.T.S.
 DETAIL NO. TR-B_SW010

SD-5
 SHEET
 D-102



Know what's below.
Call before you dig.



SUBMITTED: _____

DATE: 11/15/2019

APPROVED: _____

DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2\"/>

DESIGNED BY: TJ

DRAWN BY: TJ

CHECKED BY: RC

APPROVED BY: EA



52	675	111	REV.	DATE	BY	CHK.	APP.	DESCRIPTION
112	945	--						

REVISIONS

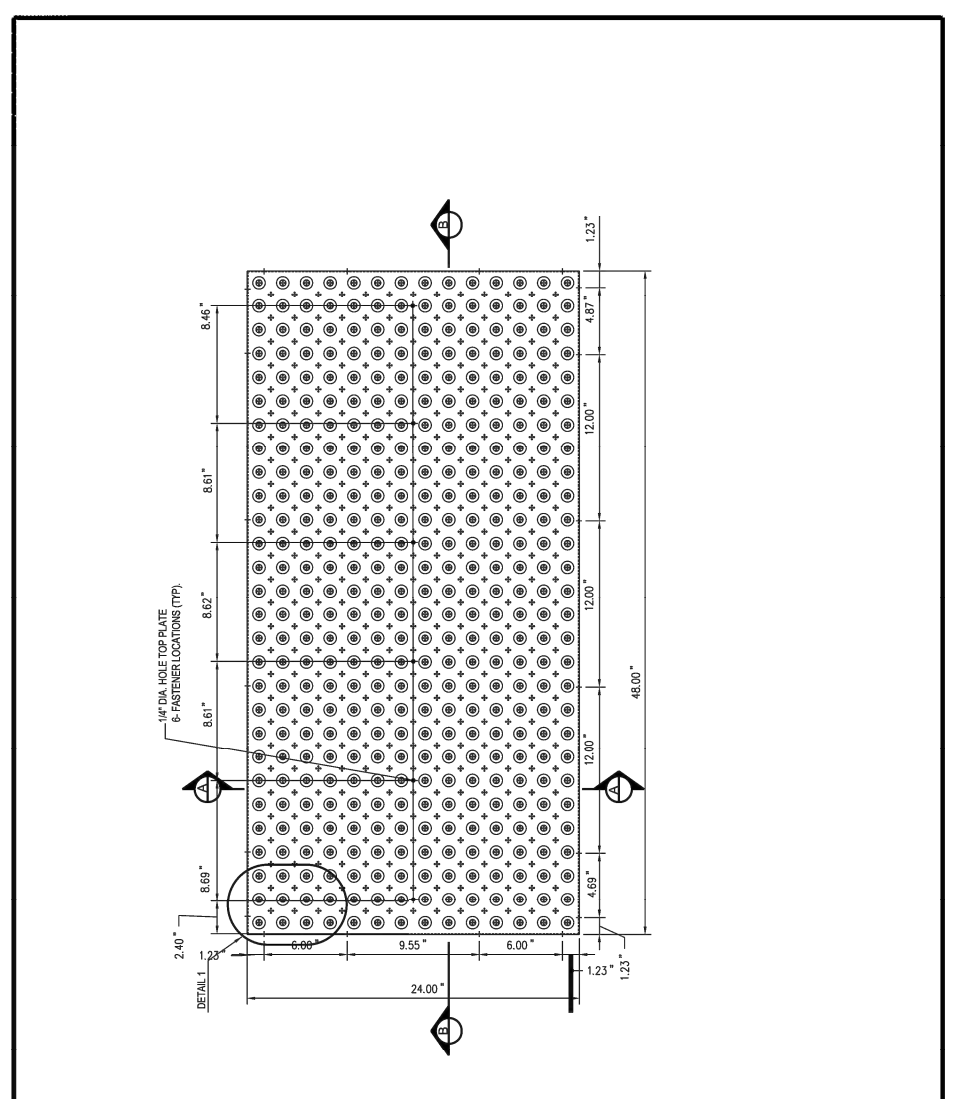
DESCRIPTION

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

STANDARD DETAILS

FILE NAME
 UPC-100% PH C - NON-DESIGN SHEET.DWG
 BMMILC PROJECT NUMBER
 3089 A/E
 CLIENT PROJECT NUMBER

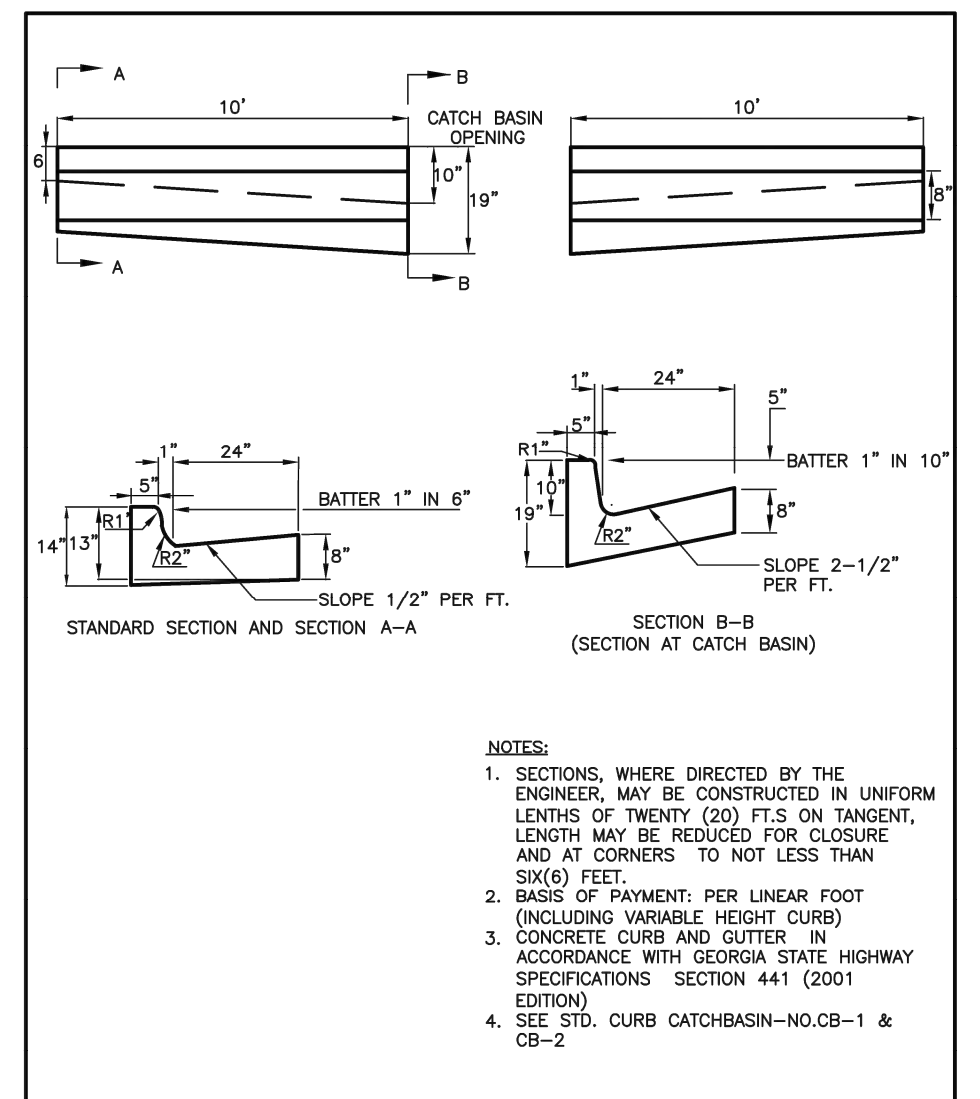
 DRAWING NUMBER
 D-102



THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta	STANDARD DETAILS	REV. DATE: FEB 2013 ORIG. DATE: UNK SCALE: N.T.S.
	ADA TRUNCATED DOMES	DETAIL NO. TR-B-SW010

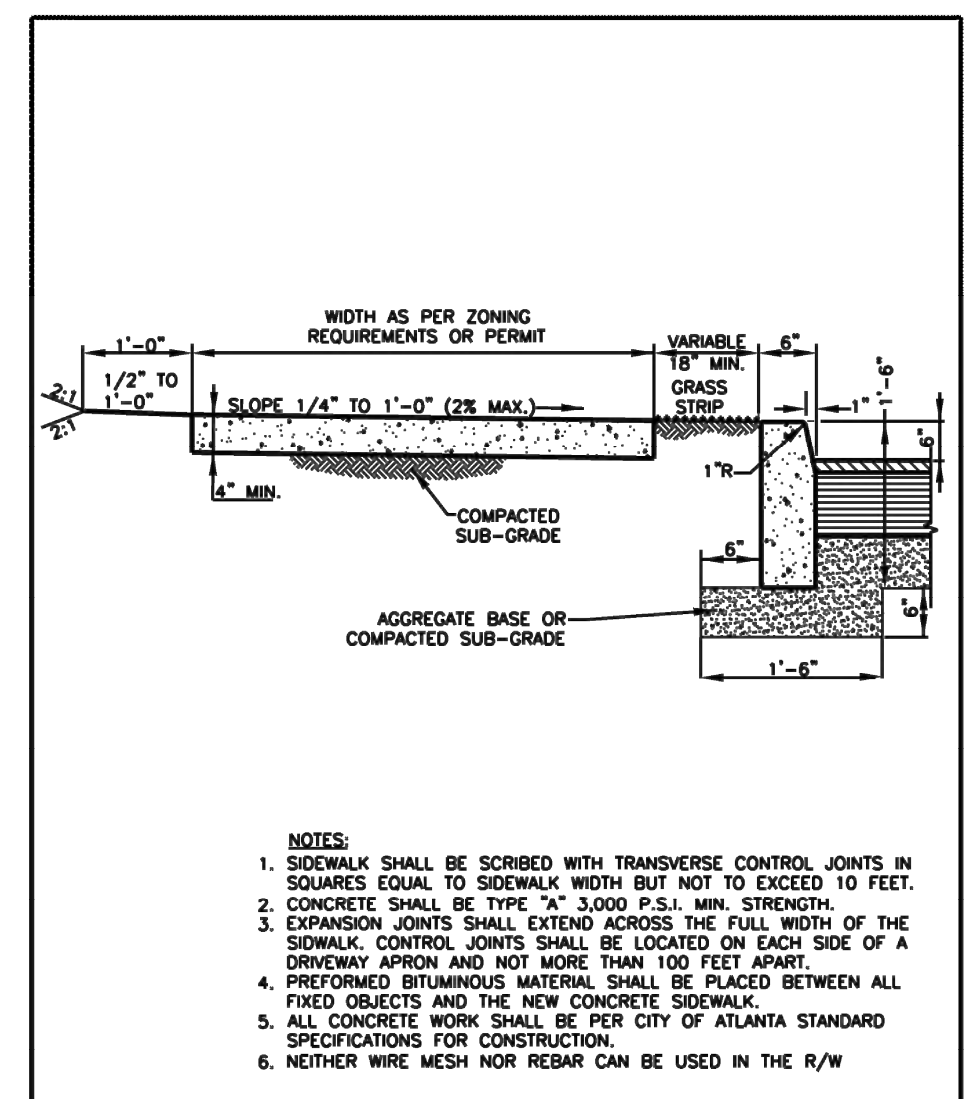
SD-1
SHEET
D-103



THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta	STANDARD DETAILS	REV. DATE: SEPT 2011 ORIG. DATE: JAN 1997 SCALE: N.T.S.
	CONCRETE CURB AND GUTTER	DETAIL NO. TR-B-C0001

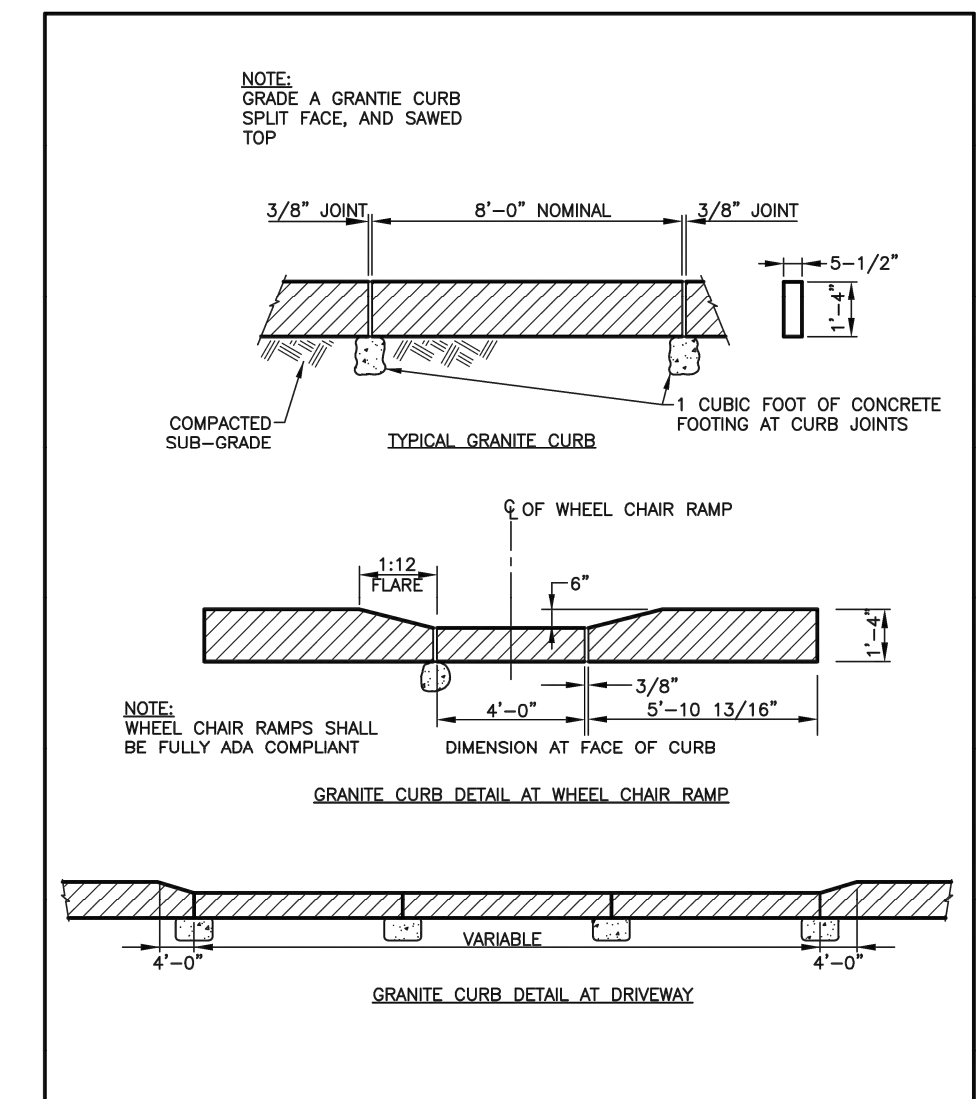
SD-2
SHEET
D-103



THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta	STANDARD DETAILS	REV. DATE: MAY 2016 ORIG. DATE: JAN 1997 SCALE: N.T.S.
	CONCRETE SIDEWALK AND CONCRETE HEADER CURB	DETAIL NO. TR-B-SW003

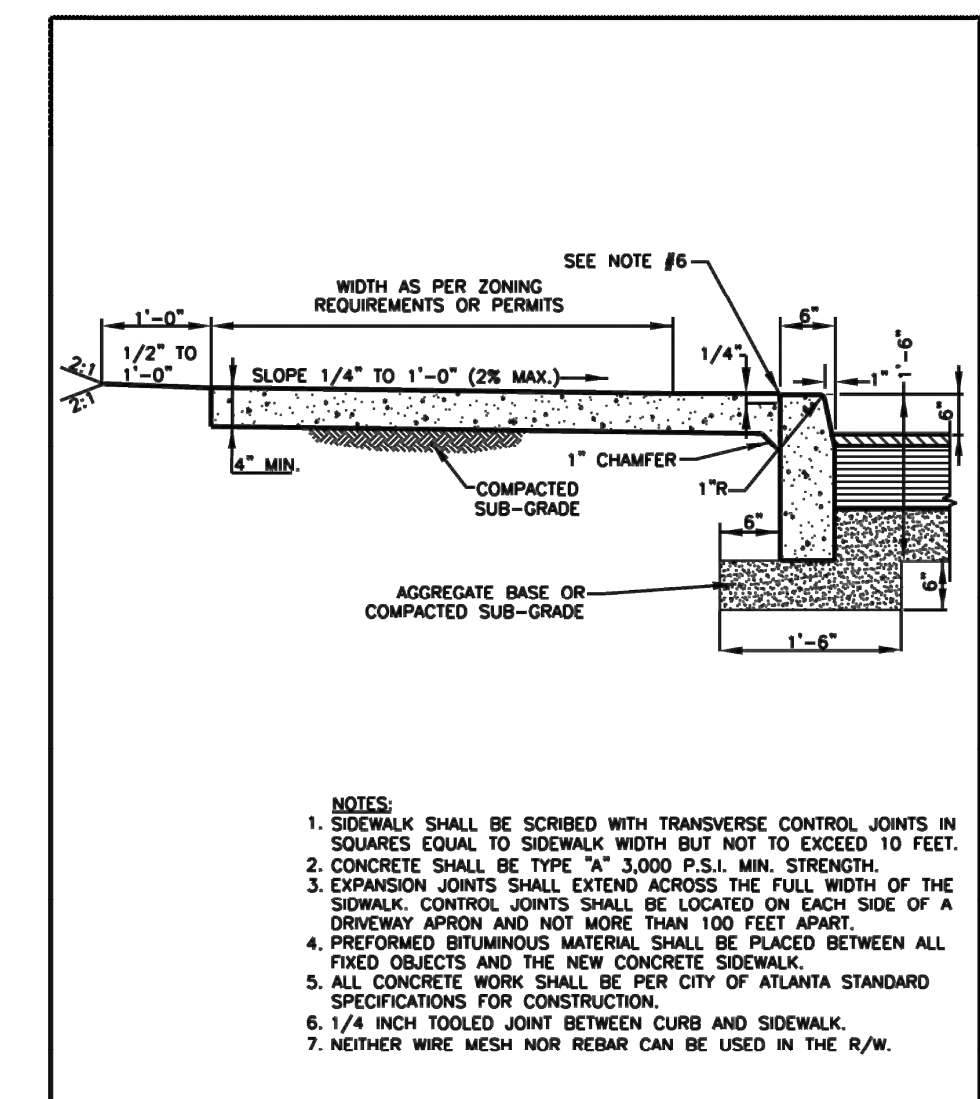
SD-3
SHEET
D-103



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City of Atlanta	STANDARD DETAILS	REV. DATE: SEPT 2011 ORIG. DATE: NOV 2004 SCALE: N.T.S.
	GRANITE CURB AT DRIVEWAY	DETAIL NO. TR-B-C0002

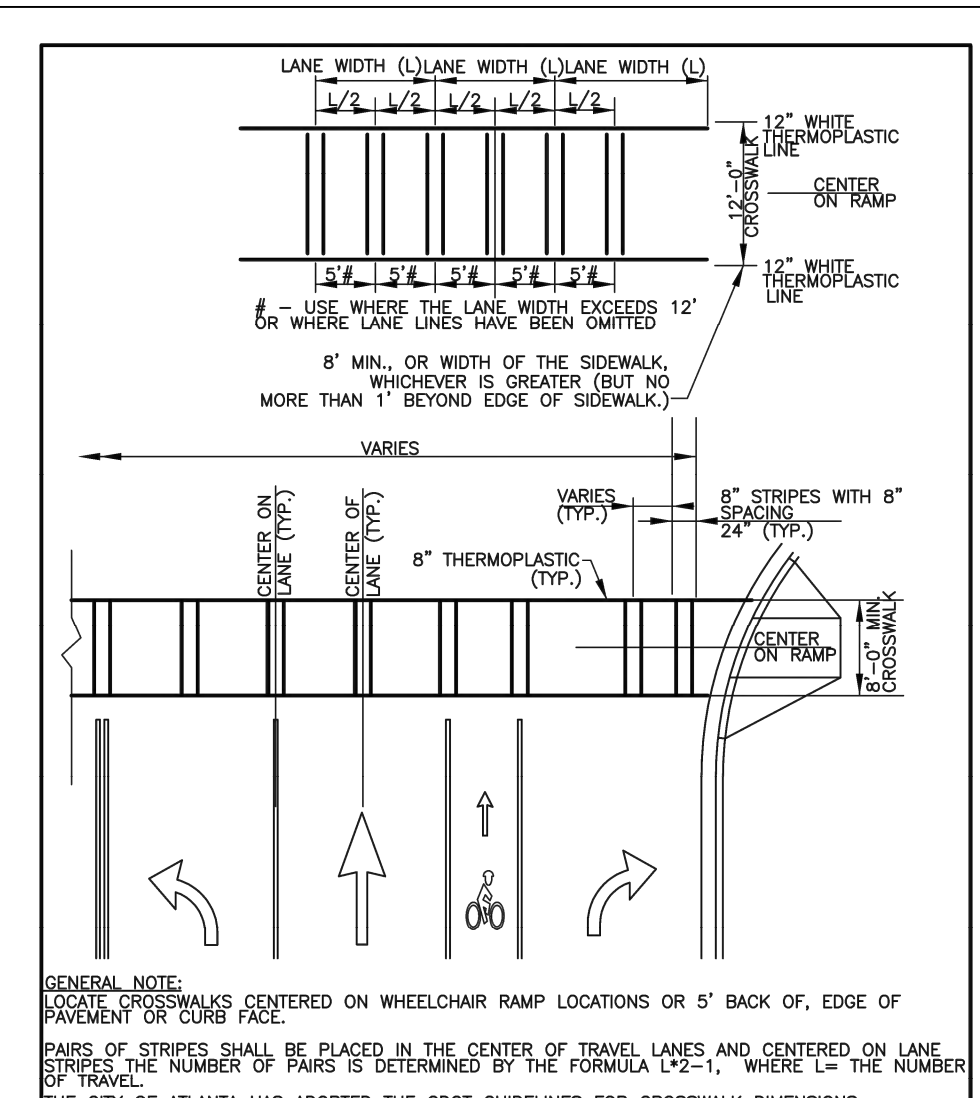
SD-4
SHEET
D-103



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City of Atlanta	STANDARD DETAILS	REV. DATE: SEPT 2011 ORIG. DATE: JAN 1997 SCALE: N.T.S.
	STANDARD MONOLITHIC SIDEWALK AND CURB	DETAIL NO. TR-B-SW004

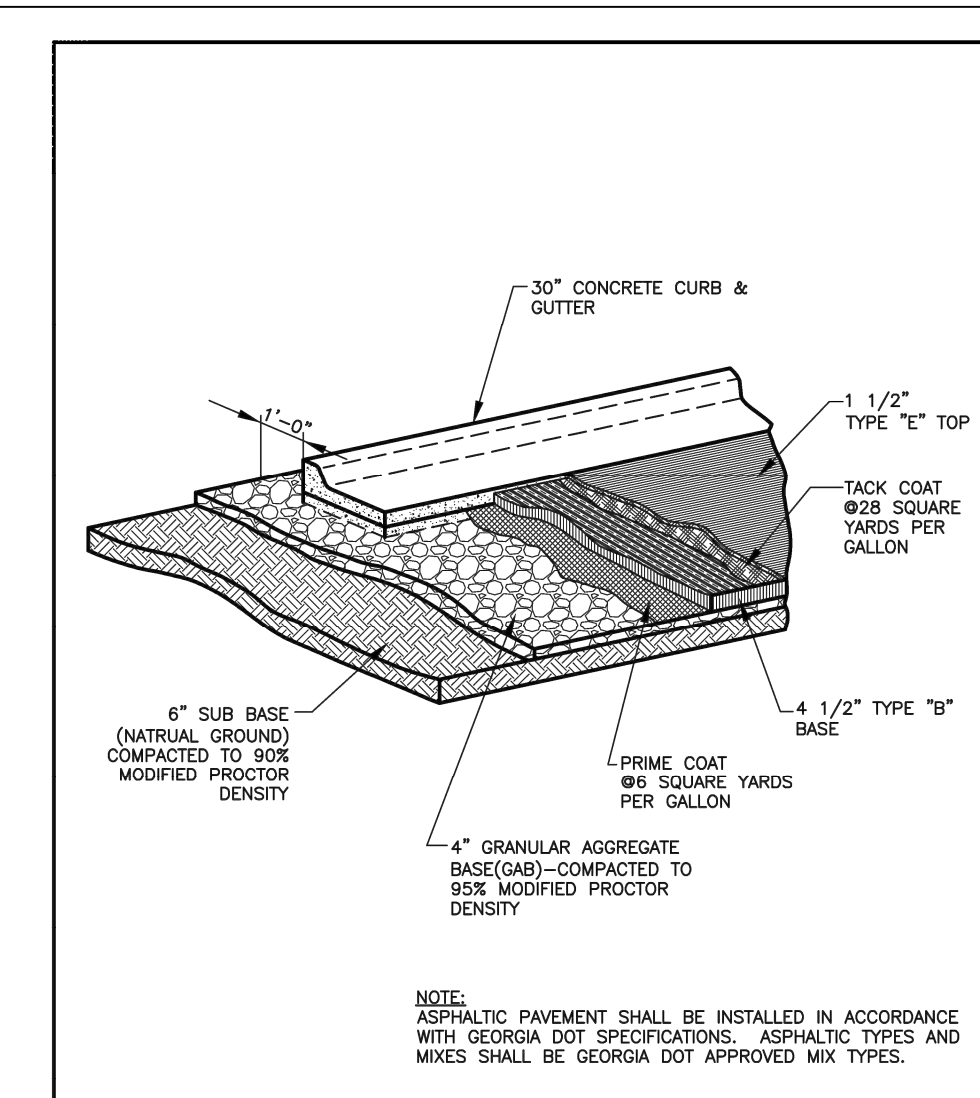
SD-5
SHEET
D-103



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City of Atlanta	STANDARD DETAILS	REV. DATE: SEPT 2011 ORIG. DATE: NOV 2004 SCALE: N.T.S.
	PIANO-KEY STYLE STRIPED CROSSWALK	DETAIL NO. TR-B-CW001

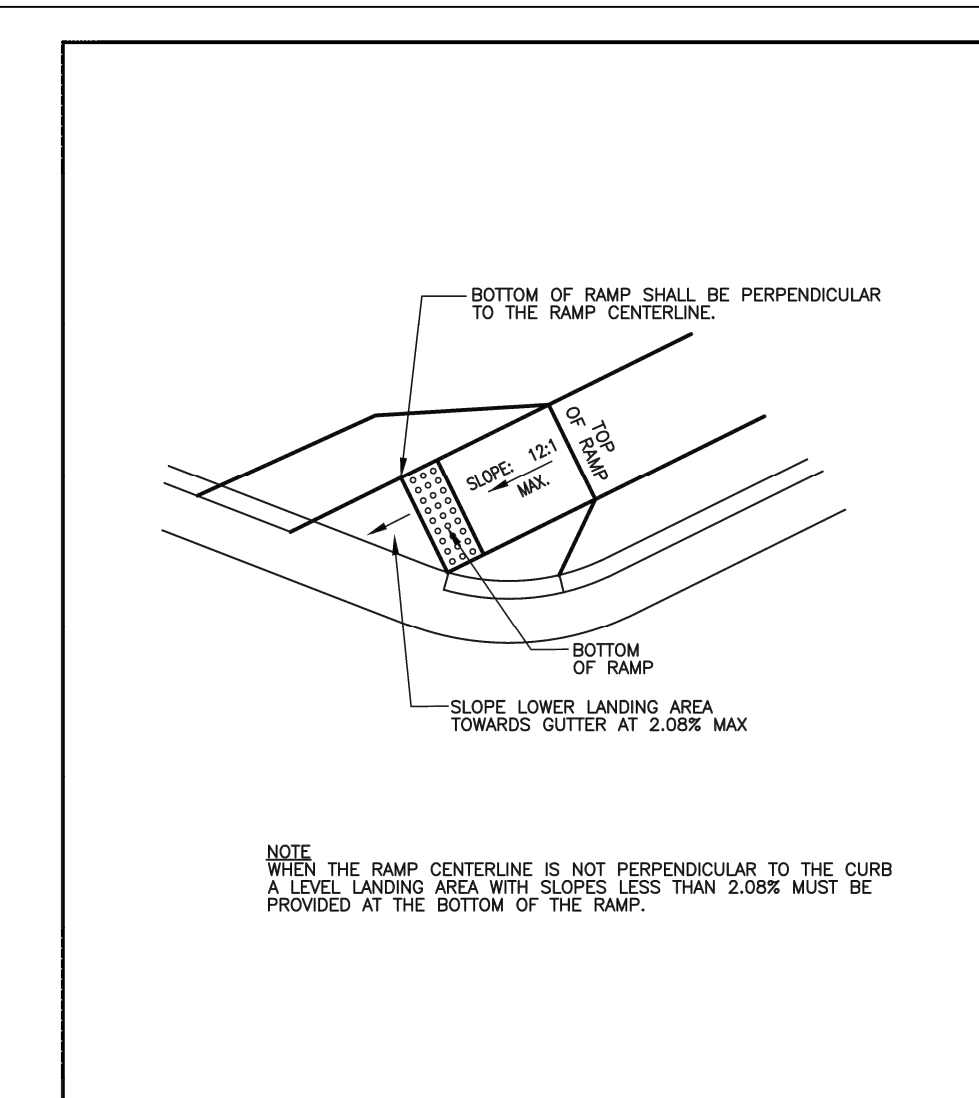
SD-6
SHEET
D-103



THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta	STANDARD DETAILS	REV. DATE: SEPT 2011 ORIG. DATE: NOV 2004 SCALE: N.T.S.
	RESIDENTIAL STREET PAVEMENT SECTION	DETAIL NO. TR-G-PV010

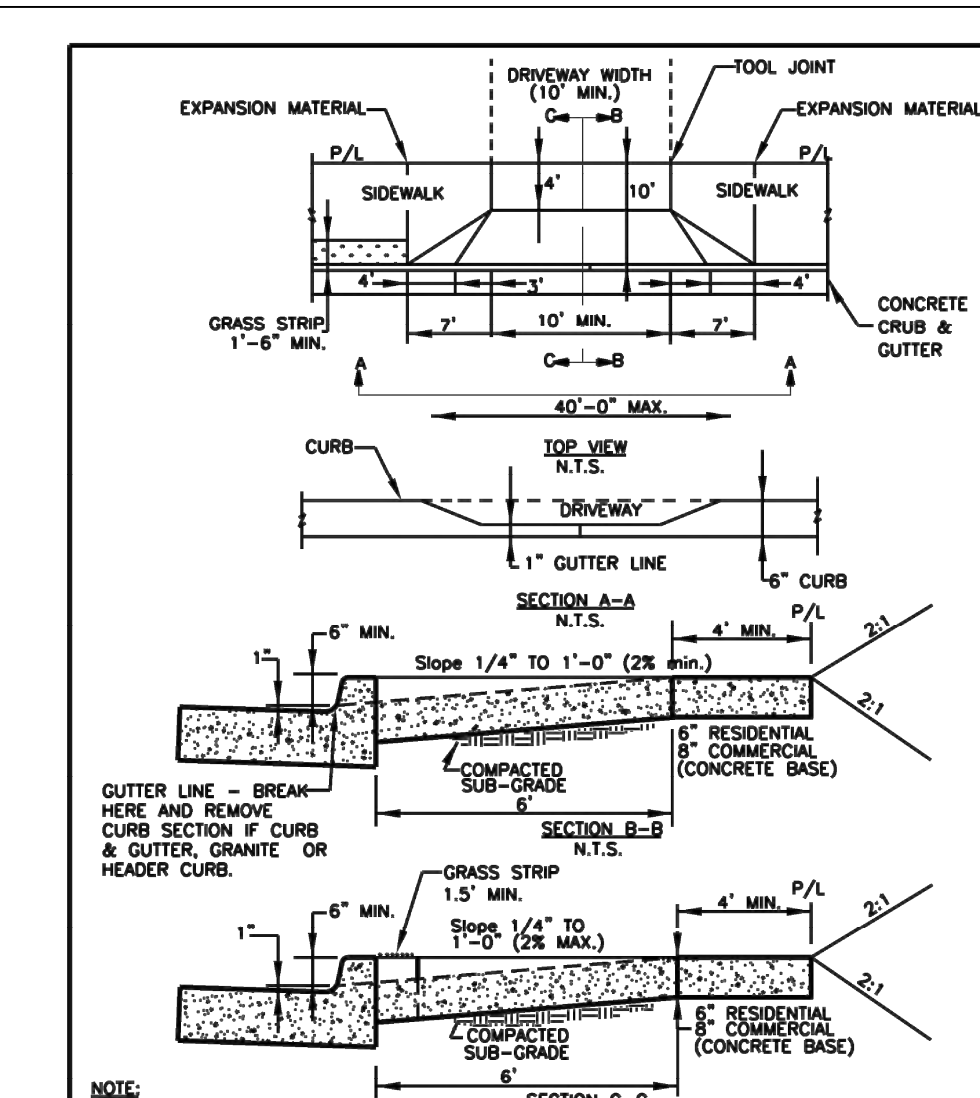
SD-7
SHEET
D-103



THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta	STANDARD DETAILS	REV. DATE: SEPT 2011 ORIG. DATE: JAN 1997 SCALE: N.T.S.
	SKewed RAMP DETAIL TYPE A AND D ONLY	DETAIL NO. TR-B-HR005

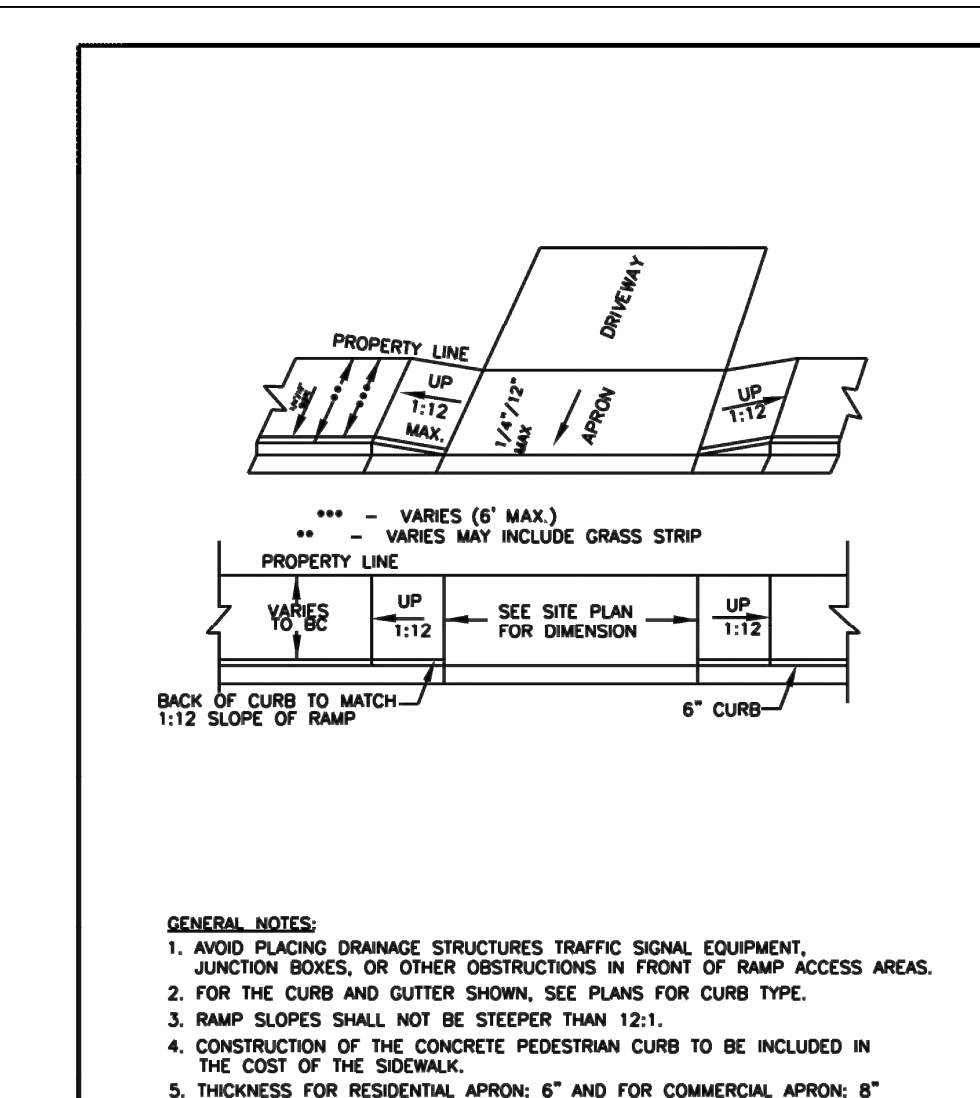
SD-8
SHEET
D-103



THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta	STANDARD DETAILS	REV. DATE: MAY 2016 ORIG. DATE: NOV 2004 SCALE: N.T.S.
	STANDARD DRIVEWAY DETAIL	DETAIL NO. TR-B-DR005

SD-9
SHEET
D-103



THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta	STANDARD DETAILS	REV. DATE: SEPT 2011 ORIG. DATE: NOV 2004 SCALE: N.T.S.
	ALTERNATE DRIVEWAY APRON (RESIDENTIAL)	DETAIL NO. TR-B-DR006

SD-10
SHEET
D-103



Know what's below.
Call before you dig.

FILE C:\USERS\JOSEPH\Desktop\100% PH C - NON-DESIGN SHEET.DWG, SAVED BY: JOSEPH N. SANE, DATE: 11/15/2019 8:50 PM

Benchmark Management
wsp

BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-8666
FAX: (404) 581-0158

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" SCALE ACCORDINGLY)
PROJECT MANAGER	DESIGNED BY: TJ
DATE: 11/15/2019	DRAWN BY: TJ
APPROVED:	CHECKED BY: RC
DATE:	APPROVED BY: EA



PLAT CARDS		
52	675	111
112	945	

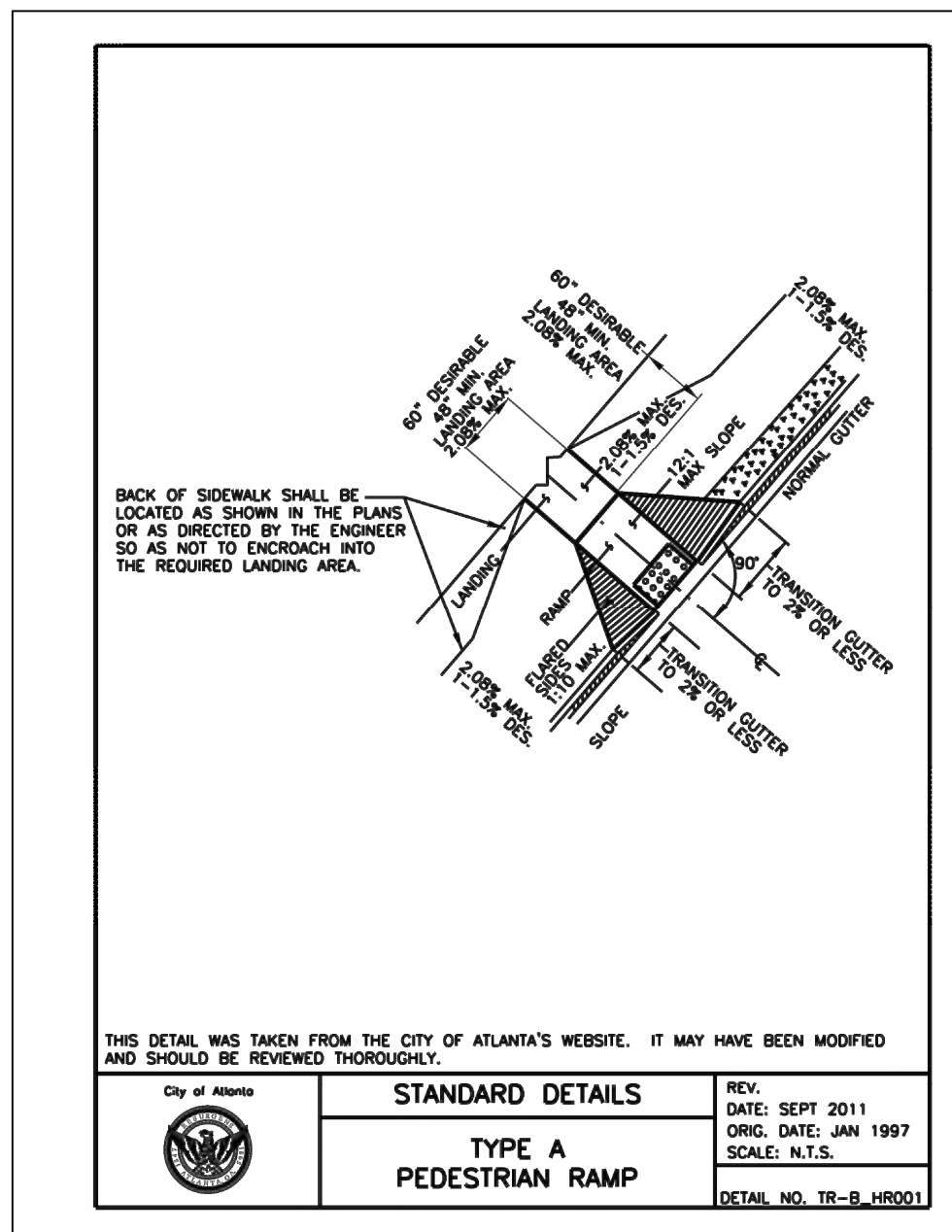
REVISIONS						
NO.	DATE	BY	CHK.	APP.	DESCRIPTION	

CITY OF ATLANTA DEPARTMENT OF watershed management

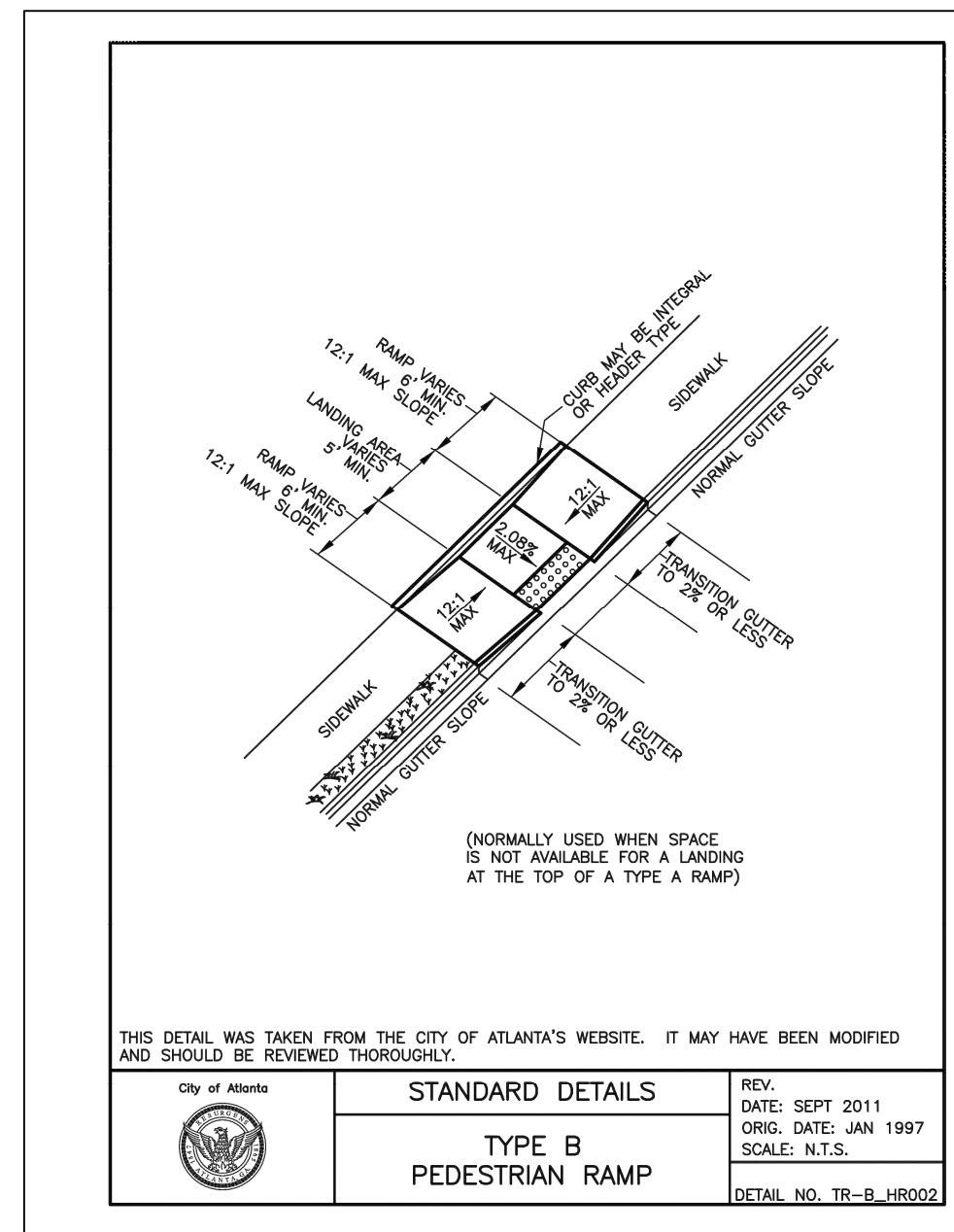
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

STANDARD DETAILS

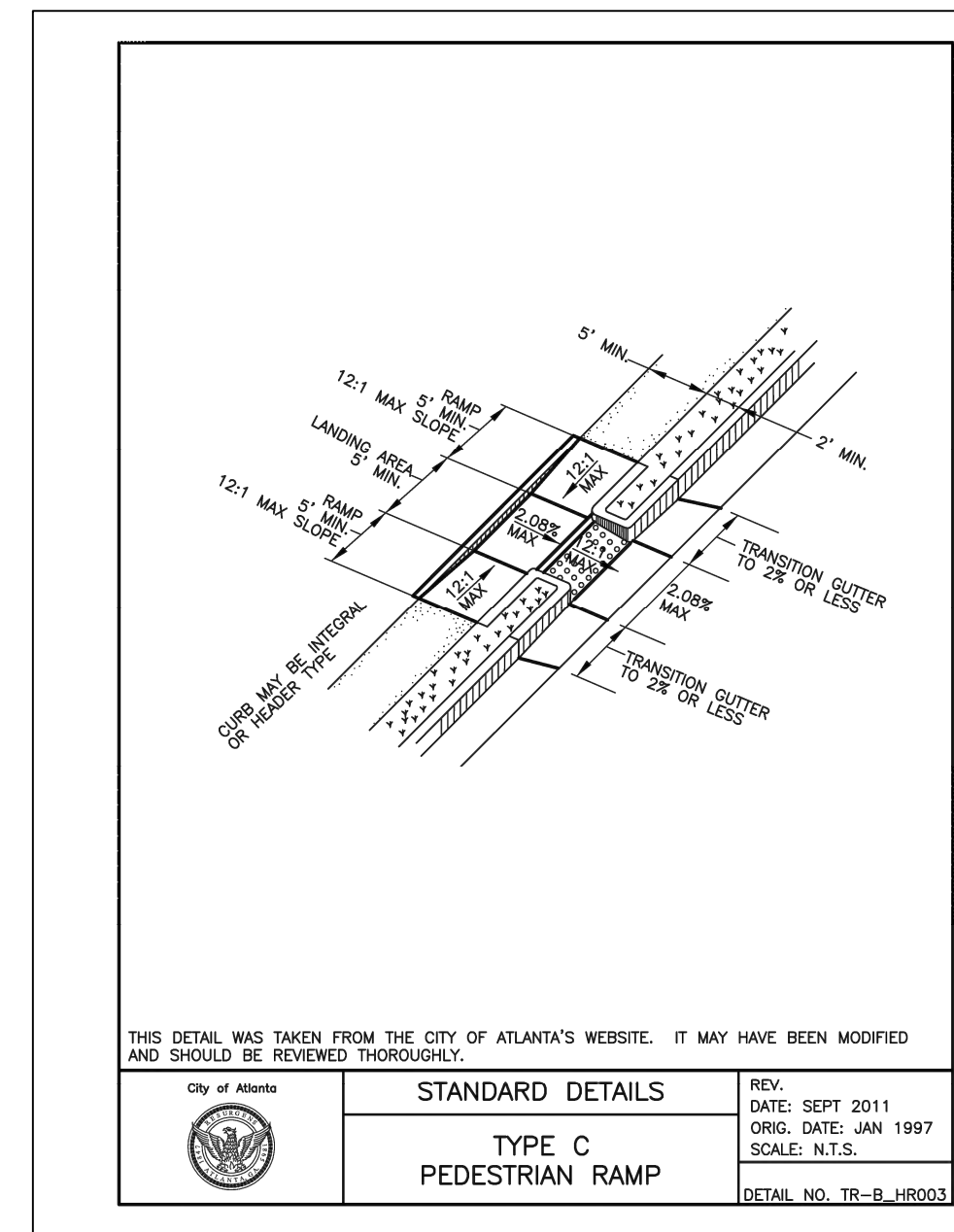
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BMMLLC PROJECT NUMBER: 3089 A/E
CLIENT PROJECT NUMBER: ---
DRAWING NUMBER: D-103



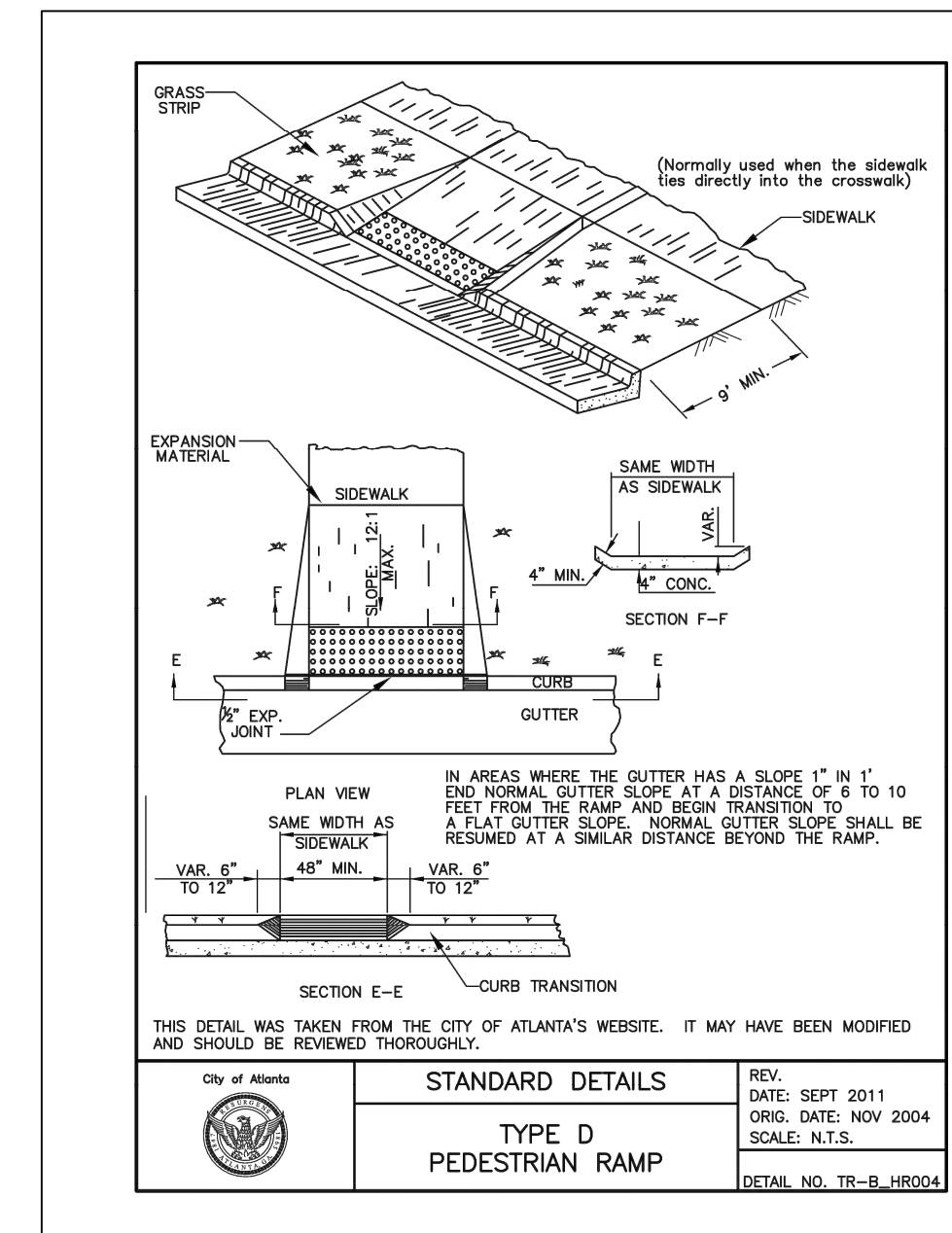
SD-1
SHEET D-104



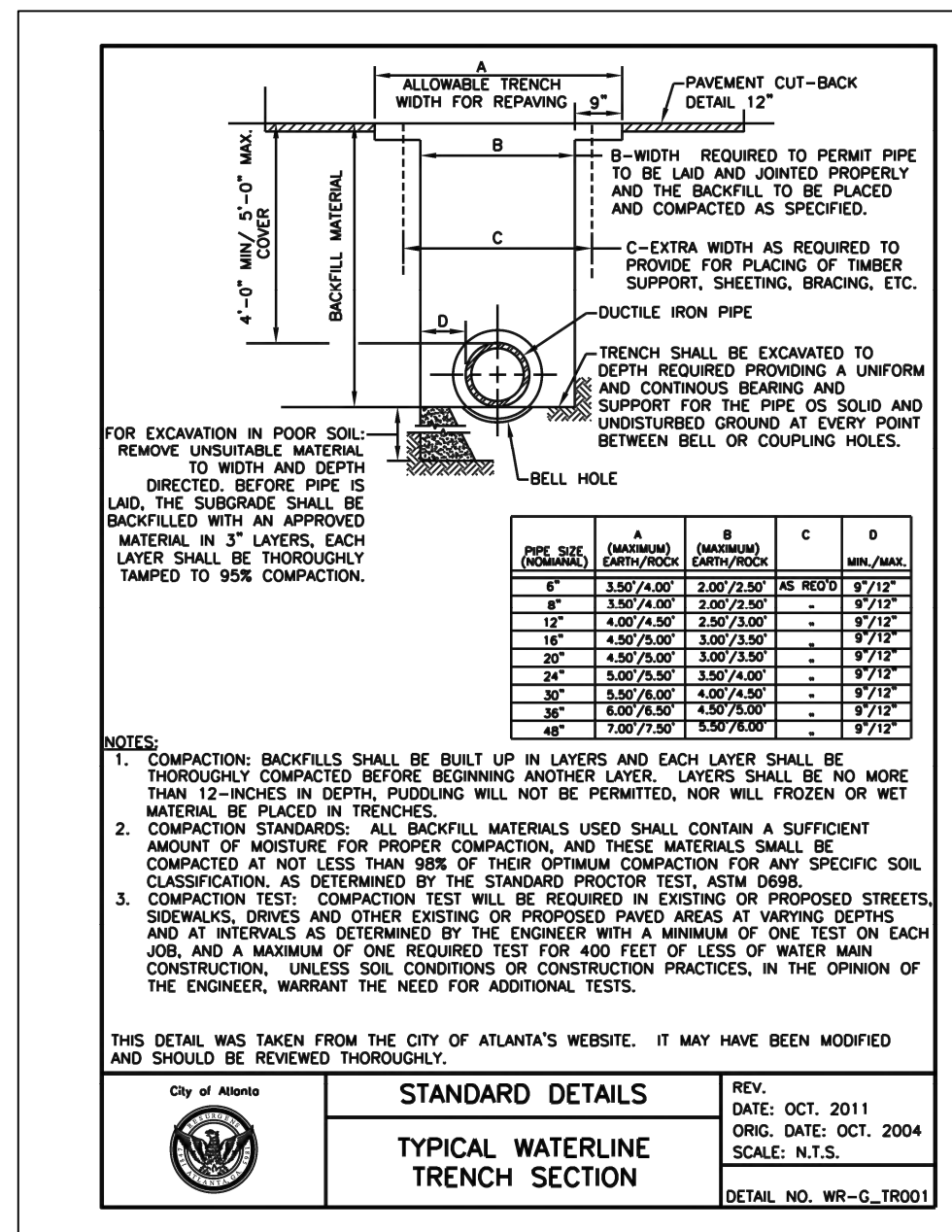
SD-2
SHEET D-104



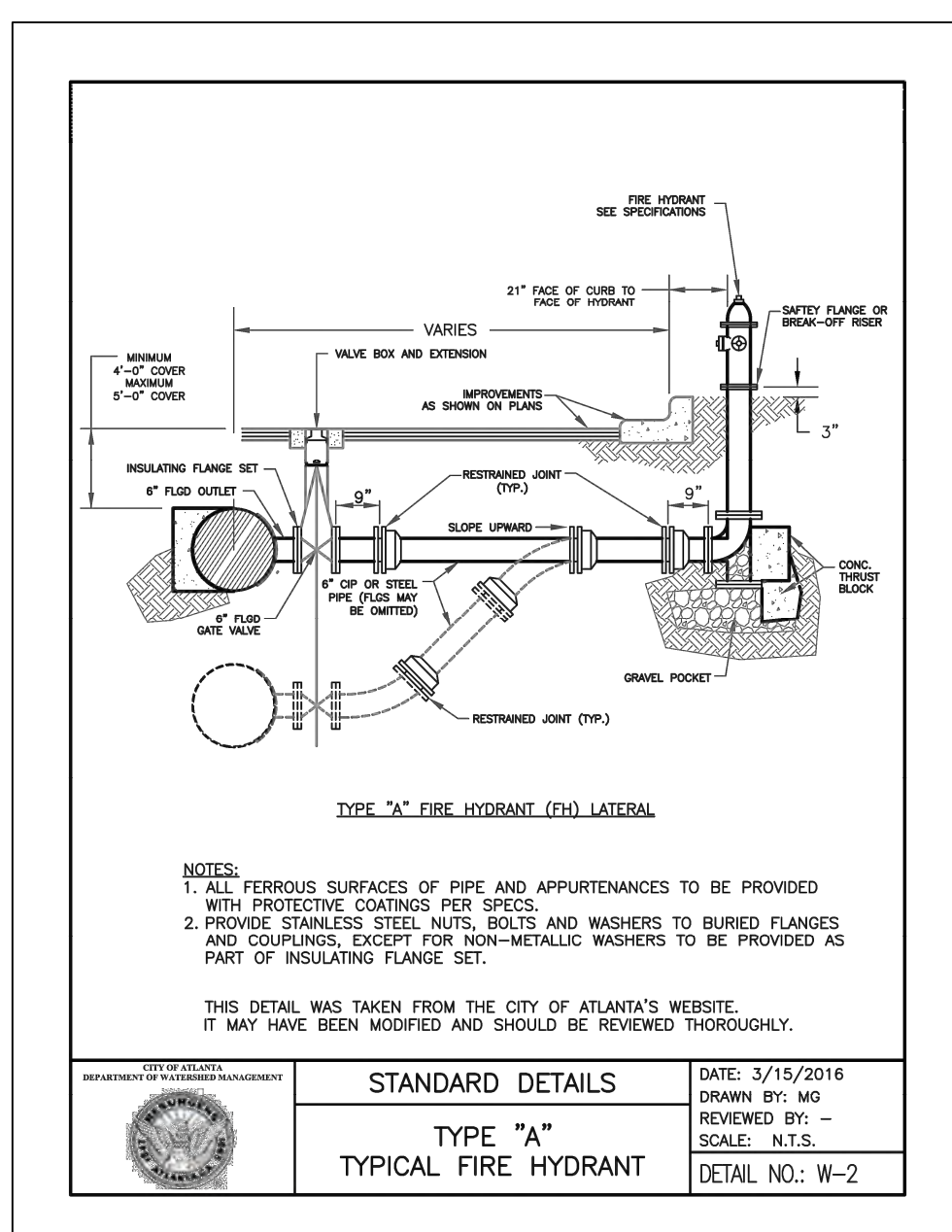
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SHEET D-104



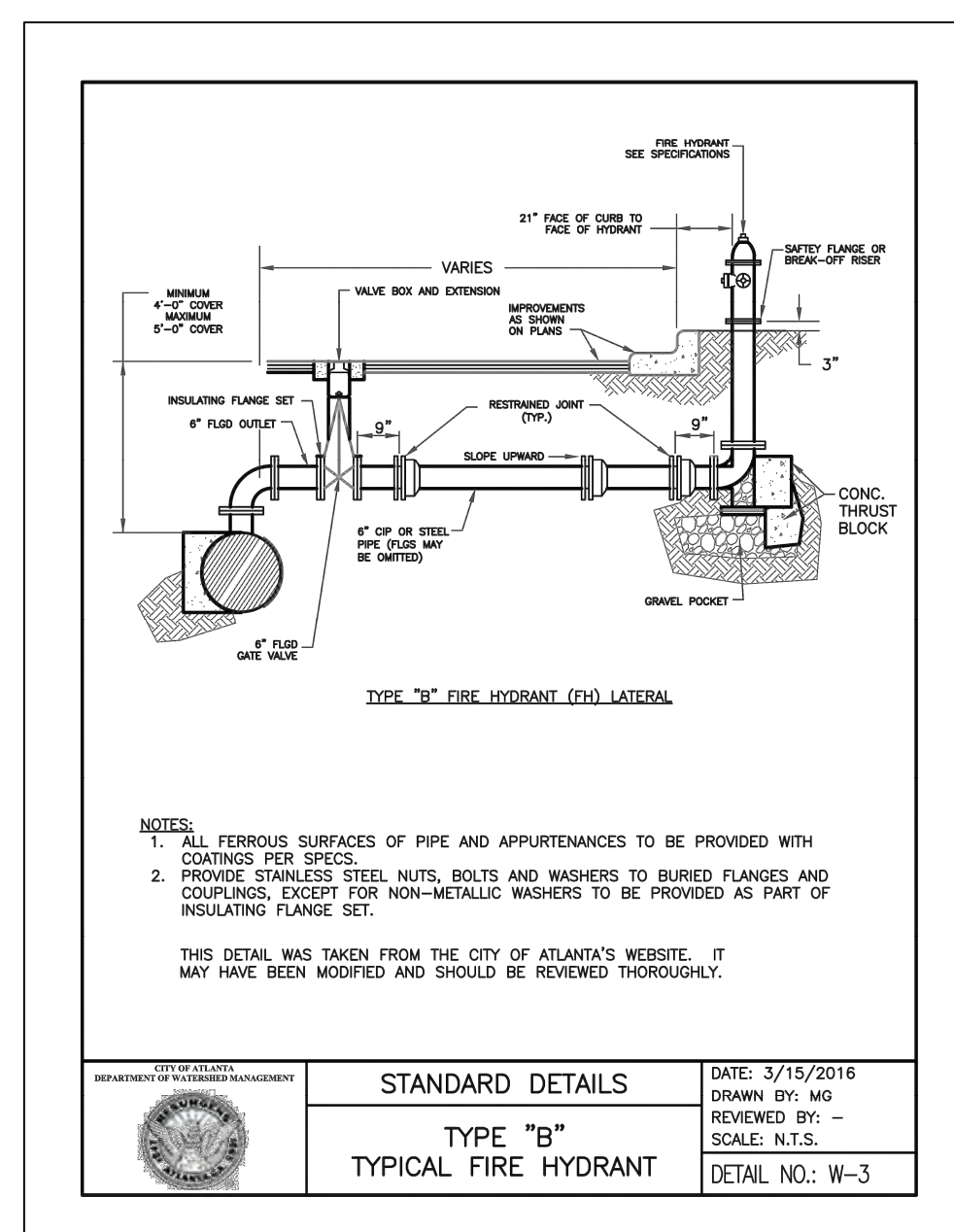
SD-4
SHEET D-104



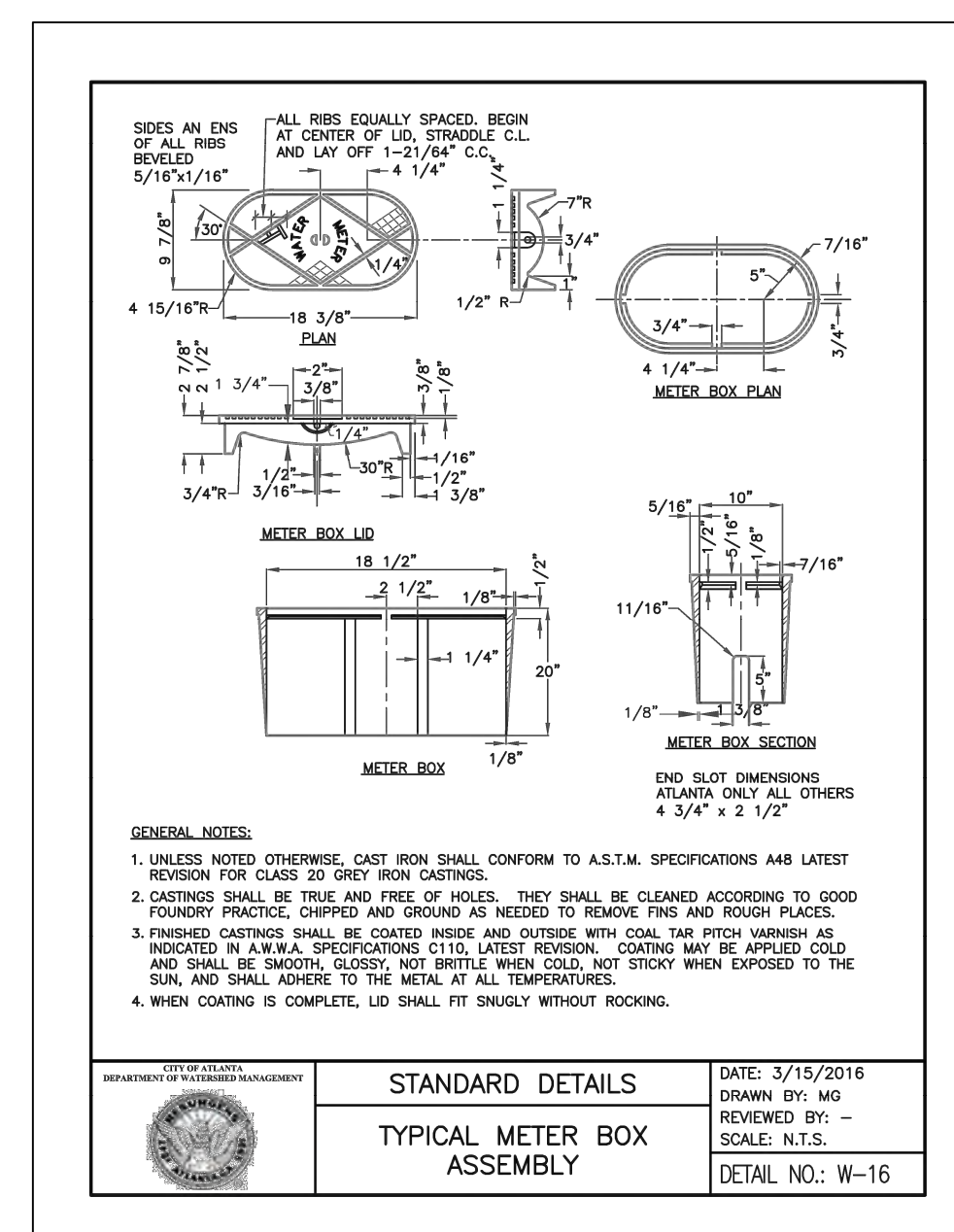
SD-5
SHEET D-104



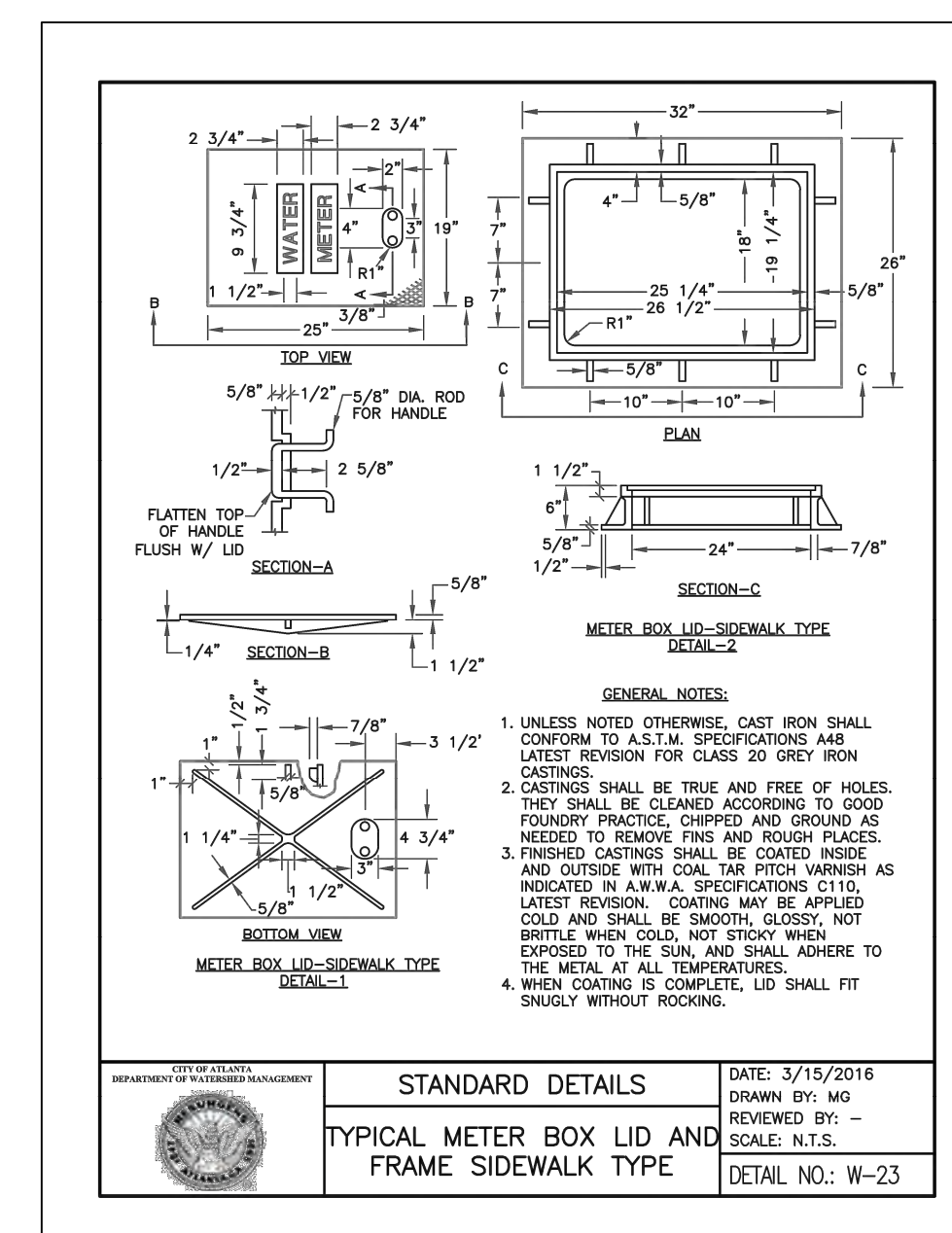
SD-6
SHEET D-104



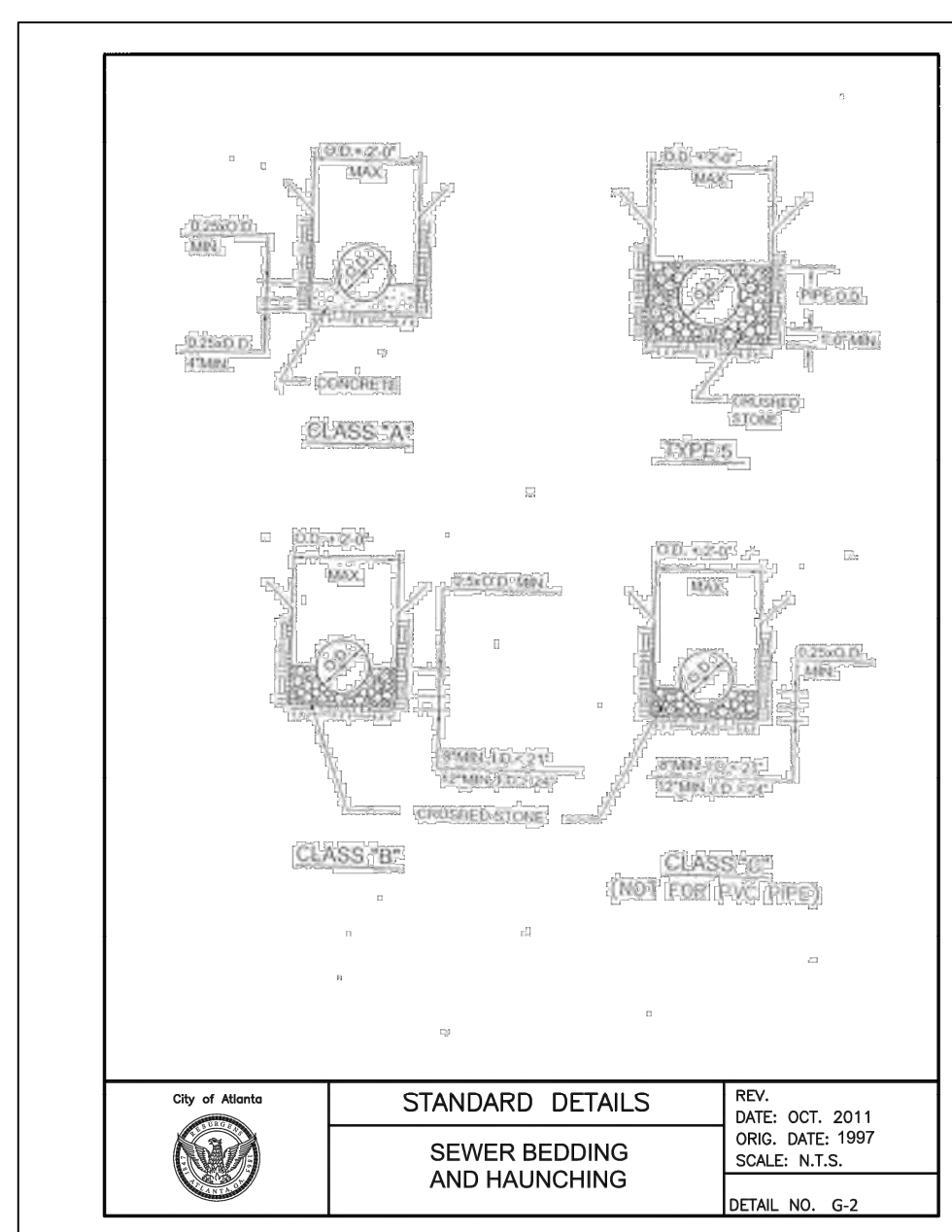
SD-7
SHEET D-104



SD-8
SHEET D-104



SD-9
SHEET D-104



SD-10
SHEET D-104



Know what's below.
Call before you dig.

FILE: C:\USERS\JOSEPH\Desktop\UPC PH C - NON-DESIGN SHEET.DWG, SAVER BY: JOSEPH N. SAVER, DATE: 11/15/2016 9:50 PM

Benchmark Management
wsp

BENCHMARK MANAGEMENT LLC
100 PEACHTREE STREET
SUITE 1900
ATLANTA, GA 30303
TEL: (404) 581-8656
FAX: (404) 581-0158

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
PROJECT MANAGER	DESIGNED BY: TJ
DATE: 11/15/2019	DRAWN BY: TJ
APPROVED:	CHECKED BY: RC
DATE:	APPROVED BY: EA



52	675	111
112	945	

REV.	DATE	BY	CHK.	APP.	DESCRIPTION

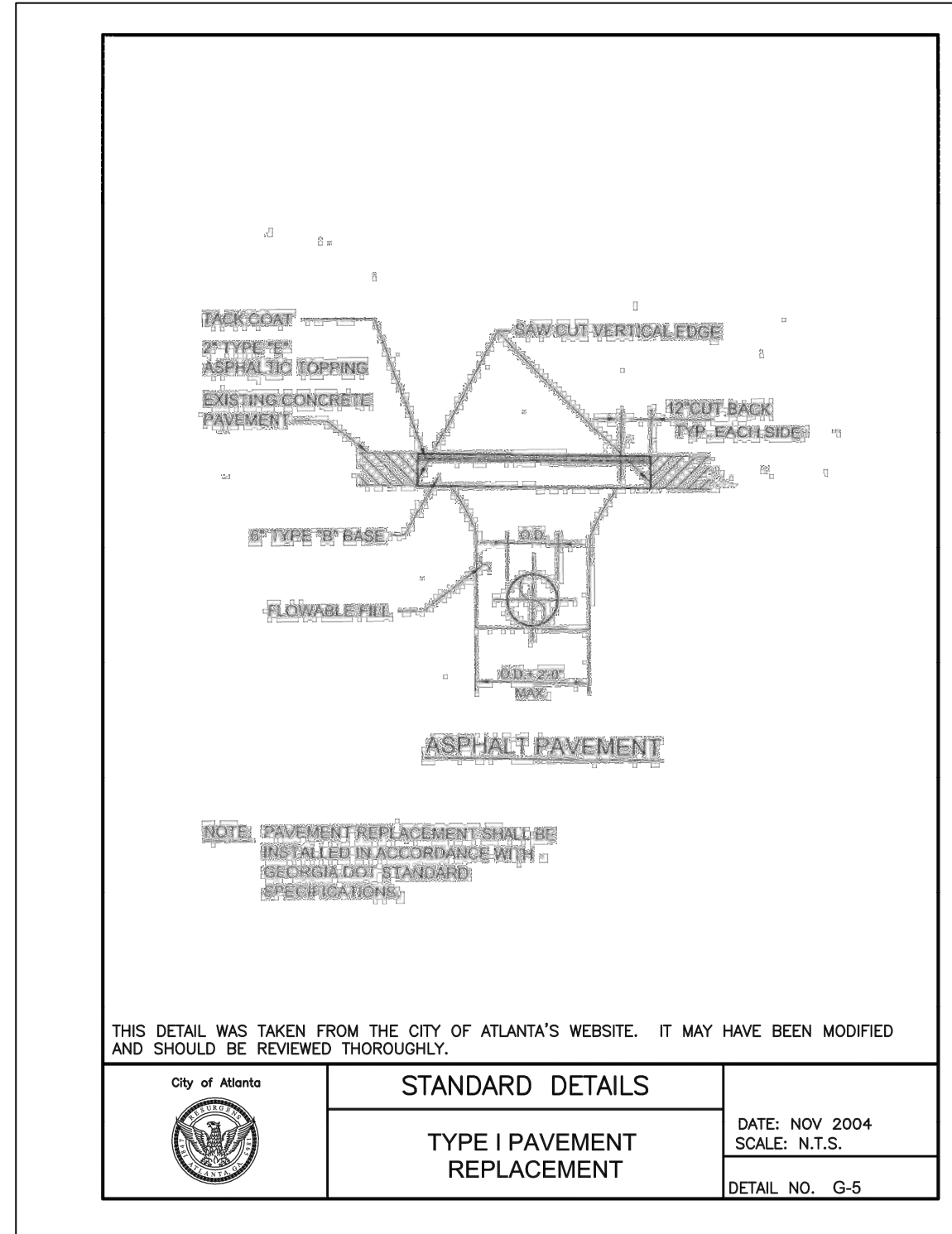
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

watershed management

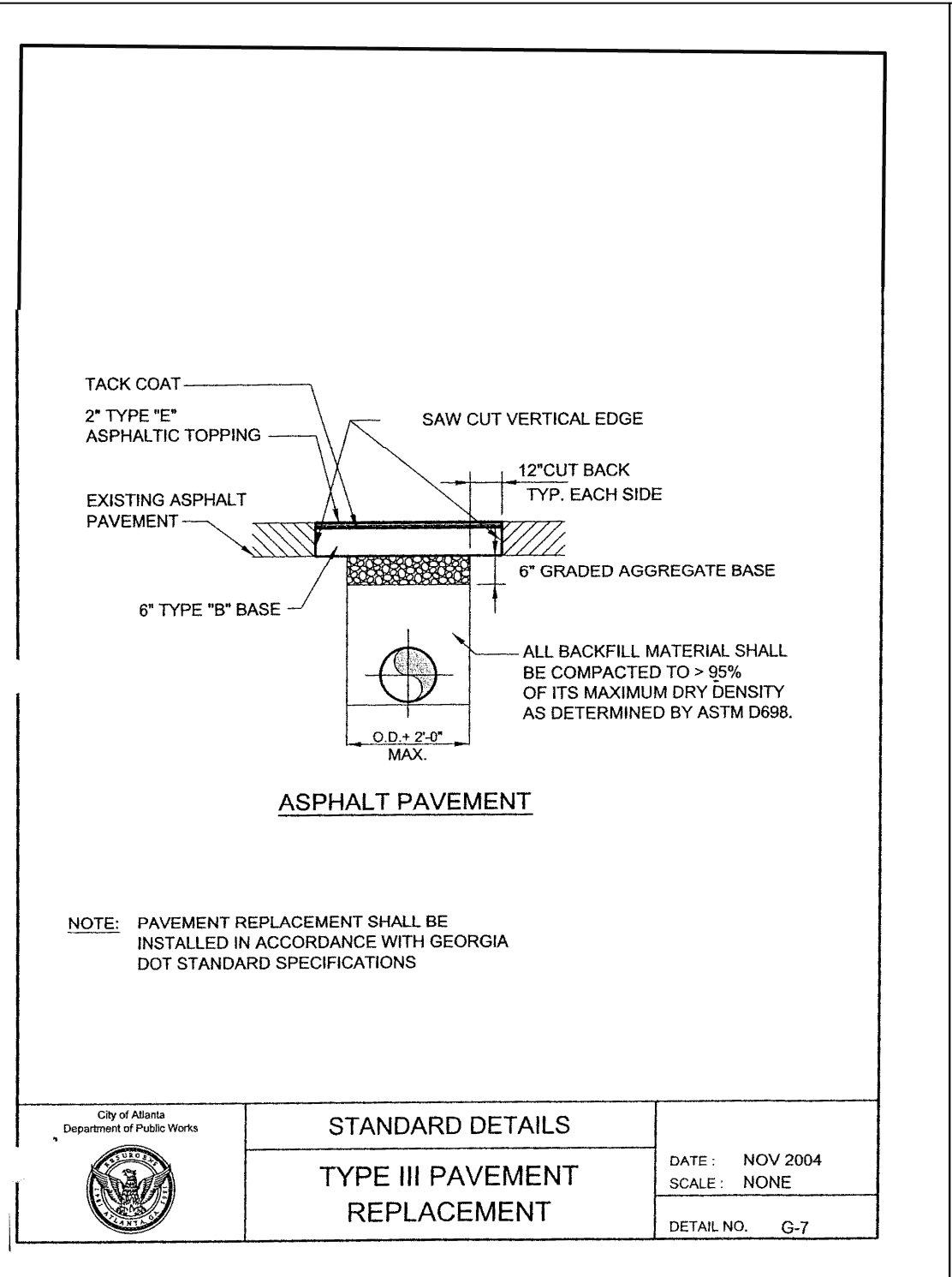
STANDARD DETAILS

FILE NAME: UPC 100% PH C - NON-DESIGN SHEET.DWG
BMLLC PROJECT NUMBER: 3089 A/E
CLIENT PROJECT NUMBER: ---
DRAWING NUMBER: D-104

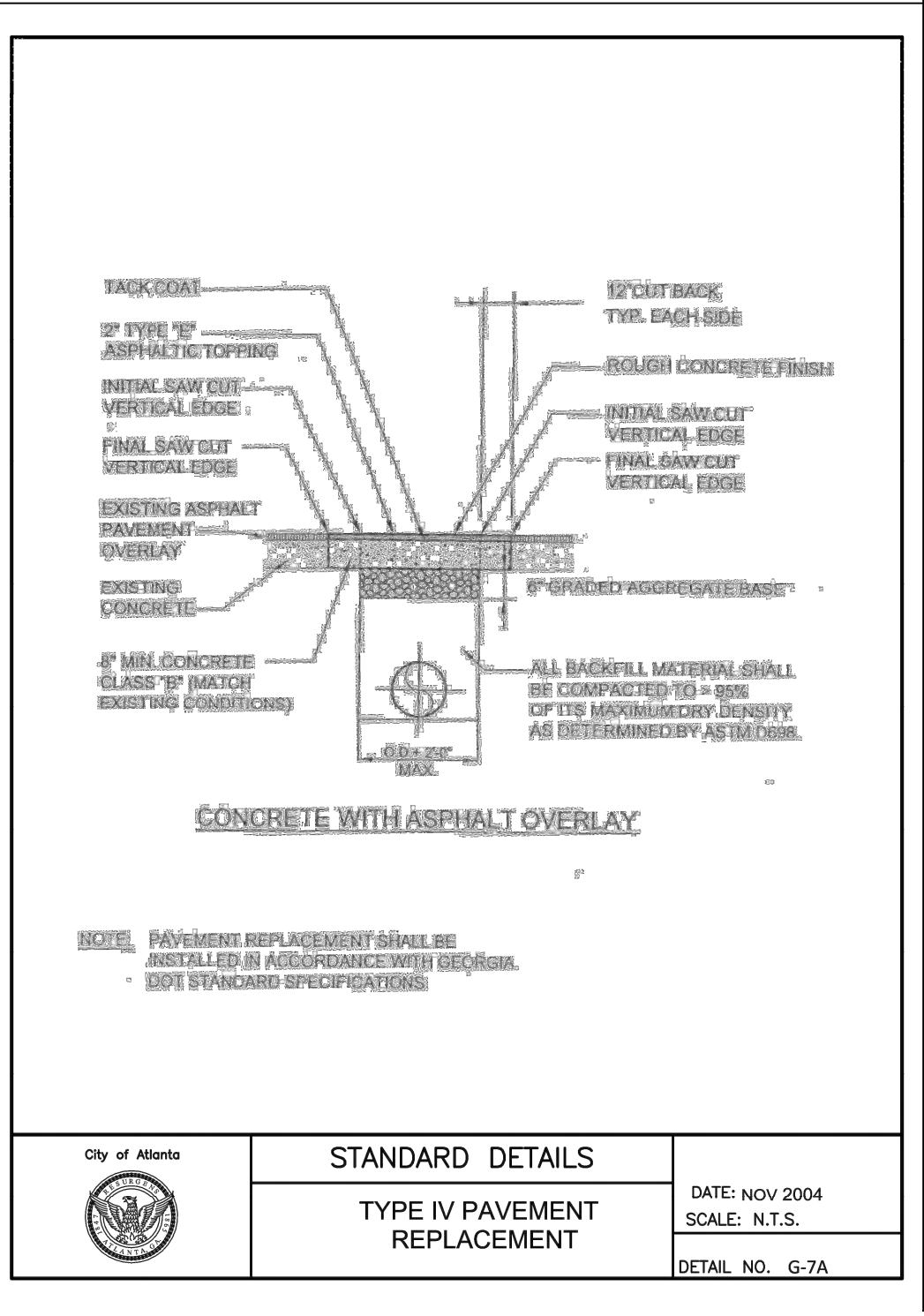
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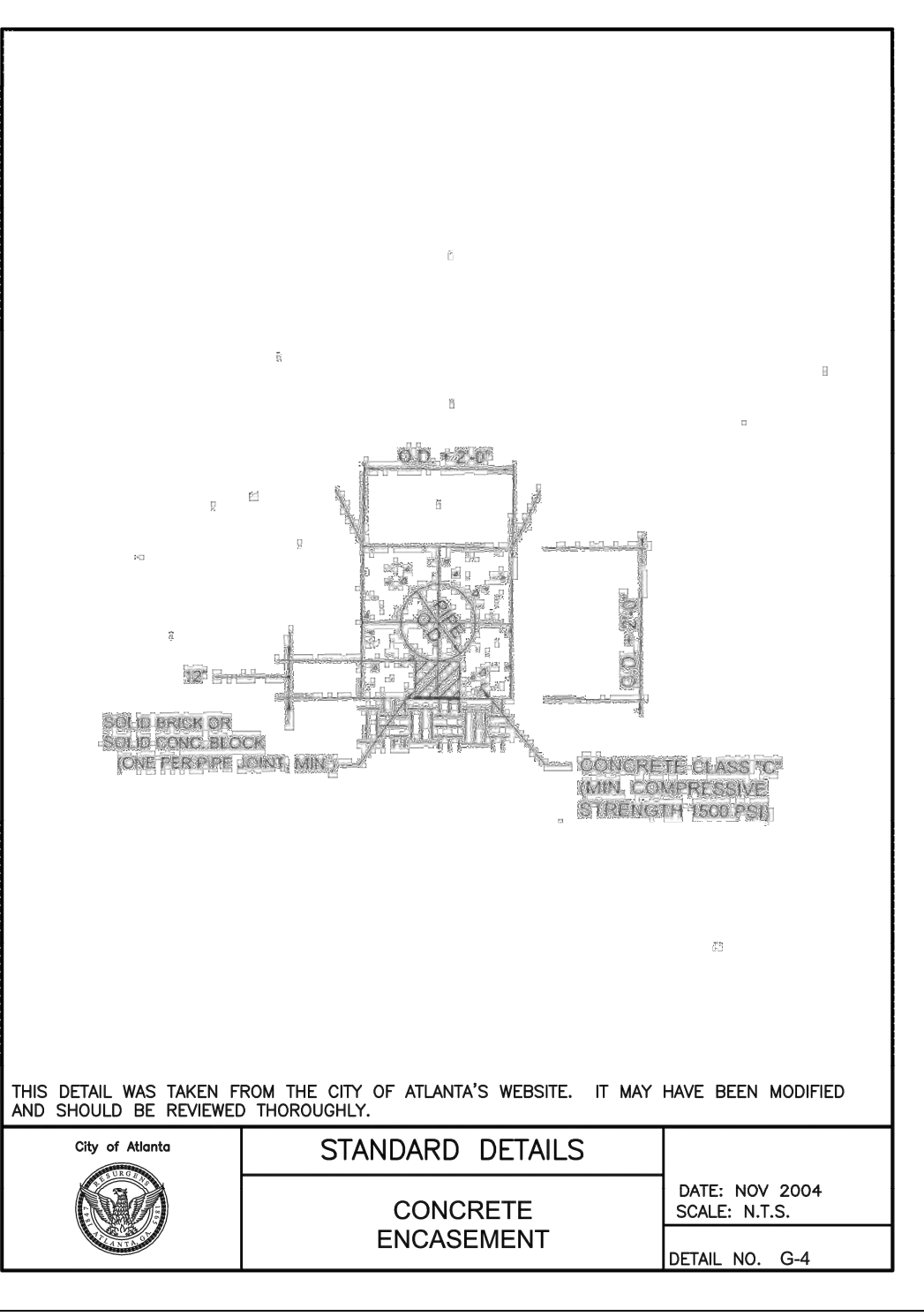
SD-1
SHEET
D-105



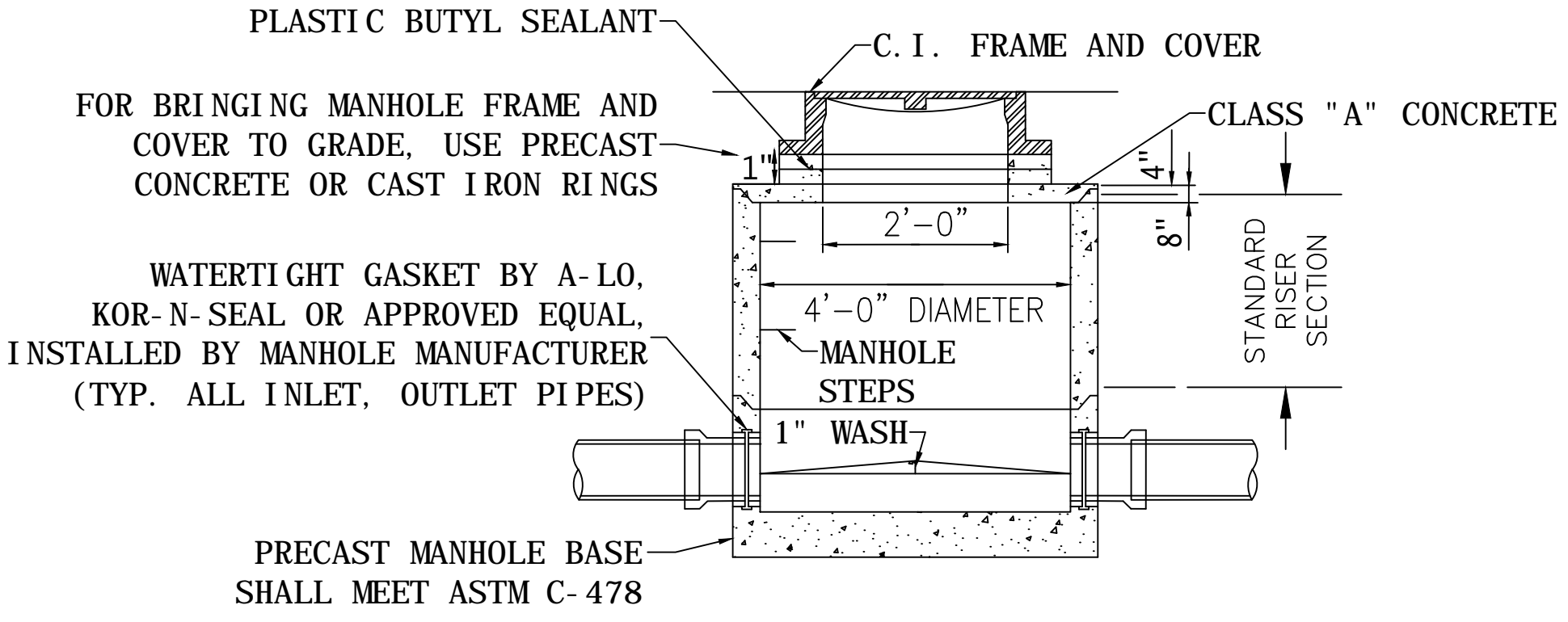
SD-2
SHEET
D-105



SD-3
SHEET
D-105

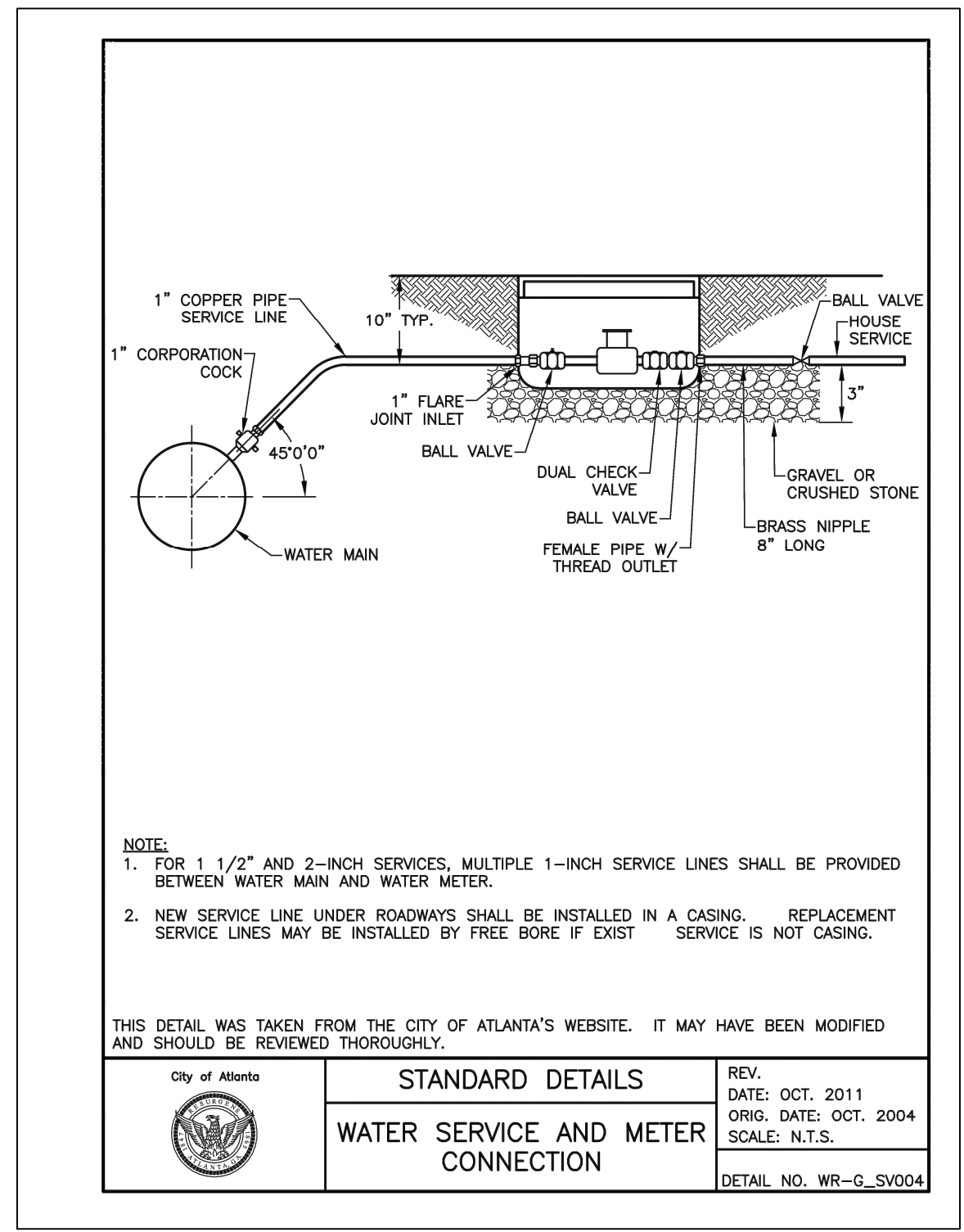


SD-4
SHEET
D-105



SD-5
SHEET
D-105

STANDARD PRECAST MANHOLE FOR DEPTH OF LESS THAN 5'-0"
N.T.S.



SD-6
SHEET
D-105



Know what's below.
Call before you dig.

Benchmark Management
wsp

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100 PEACHTREE STREET
SUITE 1900
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TEL: (404) 581-9555
FAX: (404) 581-0158

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
PROJECT MANAGER	DESIGNED BY: TJ
DATE: 11/15/2019	DRAWN BY: TJ
APPROVED:	CHECKED BY: RC
DATE:	APPROVED BY: EA



PLAT CARDS

52	675	111
112	945	---

REVISIONS

REV.	DATE	BY	CHK.	APP.	DESCRIPTION

CITY OF ATLANTA DEPARTMENT OF watershed management

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
IN HISTORIC VINE CITY - PHASE C BID DOCUMENTS

STANDARD DETAILS

FILE NAME	UPC 100% PH C - NON-DESIGN SHEET.DWG
BMMLLC PROJECT NUMBER	3089 A/E
CLIENT PROJECT NUMBER	---
DRAWING NUMBER	D-105