

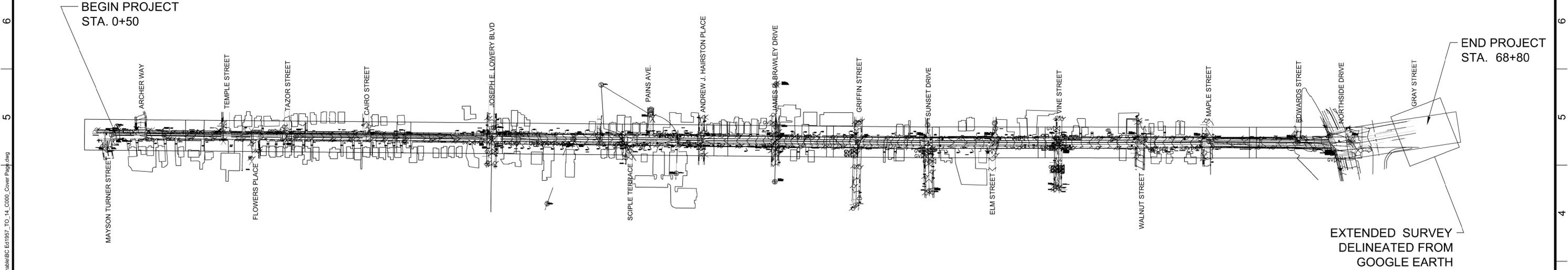
CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT

REHABILITATION PLAN AND PROFILE OF PROPOSED

JOSEPH E. BOONE BOULEVARD NW GREEN INFRASTRUCTURE & CAPACITY RELIEF PROJECT CONCEPTUAL DESIGN PLANS

COA CONTRACT No.: FC-4906D
TASK ORDER #: 14

DEPARTMENT OF WATERSHED MANAGEMENT
JO ANN J. MACRINA, P.E.
COMMISSIONER



DESIGN DATA
TRAFFIC A.D.T.: 194 (308)
SPEED DESIGN: 25 MPH
MIN. K-VALUE:
CREST - 12
SAG - 26
*SPEED DESIGN BASED ON EXISTING PROFILE GRADE.

LENGTH OF PROJECT	CITY OF ATLANTA
	CONTRACT No. FC-4905D
	MILES: 1.3 miles
NET LENGTH OF ROADWAY	1.3 Miles
NET LENGTH OF PROJECT	1.3 Miles
GROSS LENGTH OF PROJECT	1.3 Miles

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)/94 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

THE DATA TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED AND DO NOT BIND THE CITY OF ATLANTA IN ANY WAY.



SUBMITTED: _____	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)	EXTERNAL REFERENCE FILES
PROJECT MANAGER	DESIGNED: DHA	
DATE: 01/08/16	DRAWN: V.O. WORD	
APPROVED: _____	CHECKED: V.O. WORD	
BROWN AND CALDWELL	CHECKED: W.C. DOUTY	
DATE: _____	APPROVED: W.C. DOUTY	

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

**BOONE BOULEVARD
GREEN INFRASTRUCTURE &
CAPACITY RELIEF PROJECT**

COVER SHEET

FILENAME	1957_TO_14_C000_COVER PAGE.DWG
CHA PROJECT NUMBER	1957910 TO 14
CLIENT PROJECT NUMBER	FC-4906D
SHEET NUMBER	001
SHEET NUMBER	01 OF 35

Jan 07, 2016 - 4:59pm - mmullen P:\Atlanta\138775 Atlanta AE\Atlanta AE_Task Order_14 GI Program\200_Part 1_Design Services\Boone Boulevard\Draft Deliverable\BC Ed\1957_TO_14_C000_Cover Page.dwg

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SURVEY NOTES

- D/B CONTRACTOR SHALL FIELD VERIFY THE EXISTING SURVEY AND SUPPLEMENT IT AS NEEDED TO INCLUDE ADDITIONAL INFORMATION, DEPTH TO UTILITIES, ETC. AS NEEDED TO SUPPORT FINAL DESIGN AND CONSTRUCTION.
- D/B CONTRACTOR IS RESPONSIBLE FOR THE IDENTIFICATION AND RESOLUTION OF ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND DESIGN ELEMENTS.
- THE LOCATION OF ALL UTILITY LINES SHOWN ON THESE PLANS SHOULD BE CONSIDERED APPROXIMATE. INFORMATION ON EXISTING UTILITIES WAS TAKEN FROM AVAILABLE RECORD INFORMATION AND MAY NOT BE ACCURATE OR RELIABLE. THE CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES WHETHER OR NOT SHOWN ON THESE PLANS PRIOR TO THE START OF ANY WORK.
- THE D/B CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING A PROPERTY LINE SURVEY TO DETERMINE THE EXACT LOCATION OF THE EXISTING RIGHT-OF-WAY IN THE FIELD. THE D/B CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR DETERMINING THE LINES OF DIVISION BETWEEN ALL INDIVIDUAL LAND PARCELS AFFECTED BY THIS PROJECT.

ADA RELATED NOTES

HANDICAPPED FACILITIES NOTES:

- THE STANDARD WHEELCHAIR RAMP AND SIDEWALK SHOWN ON THE PROPOSED CONDITIONS PLAN ARE DIAGRAMMATIC IN NATURE AND SHOULD NOT BE CONSIDERED A SPECIFIC DETAILED DESIGN. THE D/B CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL NEW STANDARD WHEELCHAIR RAMPS AND SIDEWALKS IN ACCORDANCE WITH CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT STANDARD DETAILS.
- WHEN EXISTING RIGHT-OF-WAY AND/OR UTILITY CONSTRAINTS PRECLUDE INSTALLATION OF THE STANDARD WHEELCHAIR RAMP AND SIDEWALK, THE D/B CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING SPECIAL WHEELCHAIR RAMP DETAILS TO DEAL WITH THE CONSTRAINTS. ALL SPECIAL DESIGN WHEELCHAIR RAMPS AND SIDEWALKS SHALL BE SUBMITTED TO BOTH THE DEPARTMENT OF WATERSHED MANAGEMENT AND THE DEPARTMENT OF PUBLIC WORKS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- ALL NEW DRIVEWAYS/DRIVEWAY EXTENSIONS SHALL ALSO BE REQUIRED TO MEET ADA REQUIREMENTS.
- ALL NEW SIDEWALKS SHALL MEET ADA REQUIREMENTS. A MINIMUM SIDEWALK CLEAR WIDTH OF 48 INCHES (EXCLUSIVE OF ANY CURBING) IS REQUIRED. ADDITIONAL SIDEWALK WIDTH IS REQUIRED AT AREAS OF HIGH PEDESTRIAN VOLUMES, OBSTRUCTIONS, TURNS, OR OTHER CHANGES IN DIRECTION.
- ALL NEW TRAFFIC SIGNALS SHALL BE DESIGNED AS ACCESSIBLE PEDESTRIAN SIGNALS (APS) IN ACCORDANCE WITH CURRENT STANDARDS.
- CROSSWALK LOCATIONS AND OTHER PAVEMENT MARKINGS SHOWN ON THESE PLANS ARE DIAGRAMMATIC IN NATURE. THE DESIGN BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGNING THE CROSSWALKS AND OTHER PAVEMENT MARKINGS AS PART OF THE FINAL DESIGN DOCUMENTS.

GENERAL GI NOTES

- PAVEMENT DYE SHALL BE INCLUDED IN THE PERVIOUS PAVEMENT MIX WHERE LARGE SECTIONS OF PAVEMENT MARKINGS ARE REQUIRED. PAINT WILL ONLY BE ALLOWED IN LIMITED AREAS OF PERVIOUS PAVEMENT.
- DWM APPROVAL OF ALL PAVEMENT COLORS, PAINT, AND DYE IS REQUIRED.
- DURING CONSTRUCTION OF THE PERVIOUS PAVEMENT BIKE LANE, CONTRACTOR SHALL SUPPORT THE SUBBASE UNDER THE EXISTING PAVEMENT AND BACKFILL IMMEDIATELY AS THE BIKE LANE IS EXCAVATED.
- STORAGE VOLUME OF PERVIOUS PAVEMENT AND STORMWATER PLANTERS WITH UNDERDRAINS SHALL BE CALCULATED WITH 100% RRV CREDIT FOR STORAGE VOLUME BELOW THE UNDERDRAIN AND 50% RRV CREDIT FOR STORAGE VOLUME ABOVE THE UNDERDRAIN.

PLANTER SPECIFIC RELATED NOTES

- THE D/B CONTRACTOR SHALL COORDINATE WITH DWM IN ESTABLISHING THE LOCATION, SPACING, AND SIZING OF STORMWATER PLANTERS. DWM PREFERS THAT THE SIZE AND SPACING OF PLANTERS BE AS CONSISTENT AND UNIFORM AS POSSIBLE.
- REFER TO TABLE ON GI TYPICAL DETAILS SHEET FOR RUNOFF REDUCTION VOLUME REQUIRED FOR EACH DRAINAGE BASIN.
- TO THE EXTENT POSSIBLE, UNDERDRAINS SHALL BE LOCATED AT THE FRONT OR BACK EDGE OF PLANTERS AND GRASS STRIPS TO MINIMIZE CONFLICTS WITH TREE PLANTINGS.
- STORMWATER PLANTERS TO BE SIZED TO MANAGE VOLUME OF RUNOFF FROM THE 1-INCH RAINFALL EVENT FROM CONTRIBUTING DRAINAGE AREAS.
- DRAINAGE AREAS SHOWN ARE STRICTLY AREAS WITHIN THE RIGHT-OF-WAY AND BASED ON EXISTING CATCH BASIN LOCATIONS.
- STORMWATER PLANTER ZONE SHOWN FOR REFERENCE ONLY. CLEARANCES TO DRIVEWAYS, ENTRANCES, AND OTHER SURFACE FEATURES TO BE COORDINATED WITH THE CITY OF ATLANTA. UNDERGROUND AND SURFACE UTILITY LOCATIONS INCLUDING SERVICE LATERALS TO BE FIELD VERIFIED.
- THE LOCATION OF THE UNDERDRAIN CAN BE ADJUSTED IN THE FIELD AS REQUIRED DEPENDING UPON EXISTING UTILITY CONSTRAINTS OR THE PRESENCE OF OTHER SUBSURFACE OBSTRUCTIONS.
- UNDERDRAIN PIPE SHALL BE 4-INCH OR 6-INCH PERFORATED SCHEDULE 40 PVC SURROUNDED BY #57 STONE AND WRAPPED IN NON-WOVEN GEOTEXTILE. UPTURNED PORTIONS OF PIPES AND OUTLET PIPE CONNECTIONS TO THE EXISTING STORM DRAIN SYSTEM SHALL BE SOLID SCHEDULE 40 PVC. PIPE PERFORATIONS SHALL BE 3-HOLE TYPE WITH 5/8 INCH DIAMETER PERFORATIONS SPACED AT 5-INCHES ON-CENTER. PERFORATIONS SHALL BE LOCATED AT THE 4-6-8 O'CLOCK POSITIONS.
- THE D/B CONTRACTOR SHALL PROVIDE FIELD CONNECTIONS AT EXISTING STORM DRAIN MANHOLES FOR THE CONNECTION OF THE NEW UNDERDRAIN PIPES.

TRAFFIC SIGNAL NOTES

- NEW TRAFFIC SIGNALS INCLUDING SIGNAL HEADS, POLES, TRAFFIC CONTROLLERS, LOOP DETECTORS, PEDESTRIAN SIGNALS, NEW POWER CONNECTION, AND RELATED EQUIPMENT AND MATERIALS ARE REQUIRED AT THE FOLLOWING LOCATIONS:
 - TAZOR STREET
 - JOSEPH E. LOWERY BOULEVARD
 - JAMES P. BRAWLEY DRIVE
 - SUNSET AVENUE
 - VINE STREET
- ADJUSTMENT OF EXISTING TRAFFIC SIGNAL POLES AND OTHER EQUIPMENT TO REMAIN MAY BE REQUIRED TO MEET CURRENT DESIGN STANDARDS.

Jan 07, 2016 - 5:07pm - mmullen
 P:\Atlanta\138775 Atlanta AE\Atlanta AE Task Order 14 GI Program\200_Pant 1_Design Services\Boone Boulevard\Draft\Deliverable\BC Edt1957_TO_14_C001.03_SUMMARY OF QUANTITIES.dwg



990 HAMMOND DRIVE
 SUITE 400
 ATLANTA, GEORGIA 30328

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)	EXTERNAL REFERENCE FILES
PROJECT MANAGER		
DATE: 01/08/16	DESIGNED: R.D. SHIPLEY	
APPROVED:	DRAWN: R.D. SHIPLEY	
BROWN AND CALDWELL	CHECKED: W.C. DOUTY	
DATE: ---	CHECKED: W.C. DOUTY	
	APPROVED: W.C. DOUTY	

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.



CITY OF ATLANTA
 DEPARTMENT OF
 WATERSHED MANAGEMENT

**BOONE BOULEVARD
 GREEN INFRASTRUCTURE &
 CAPACITY RELIEF PROJECT**

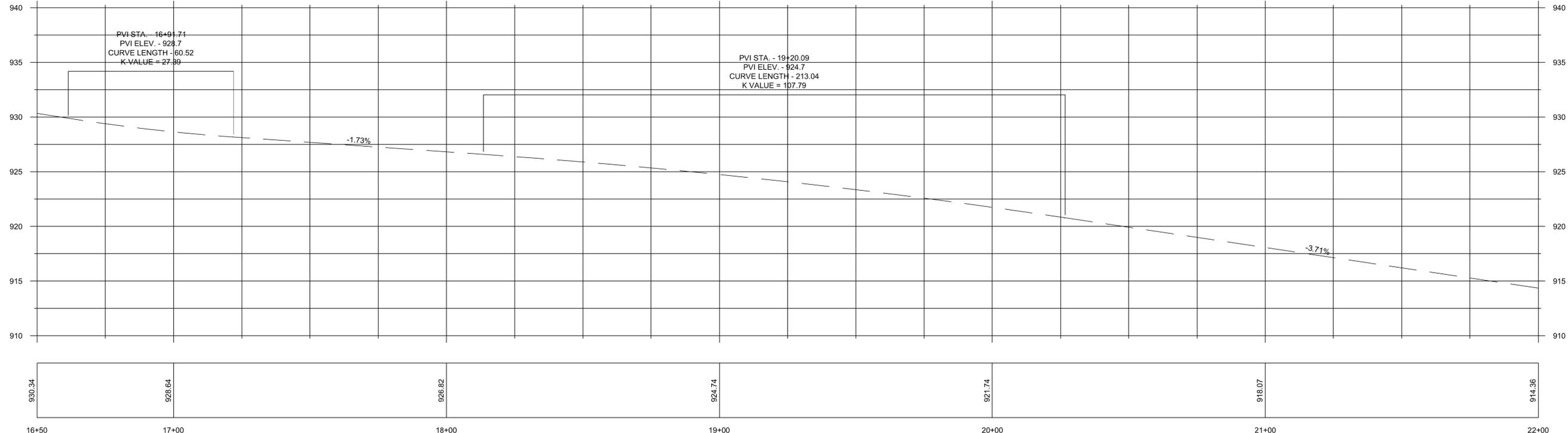
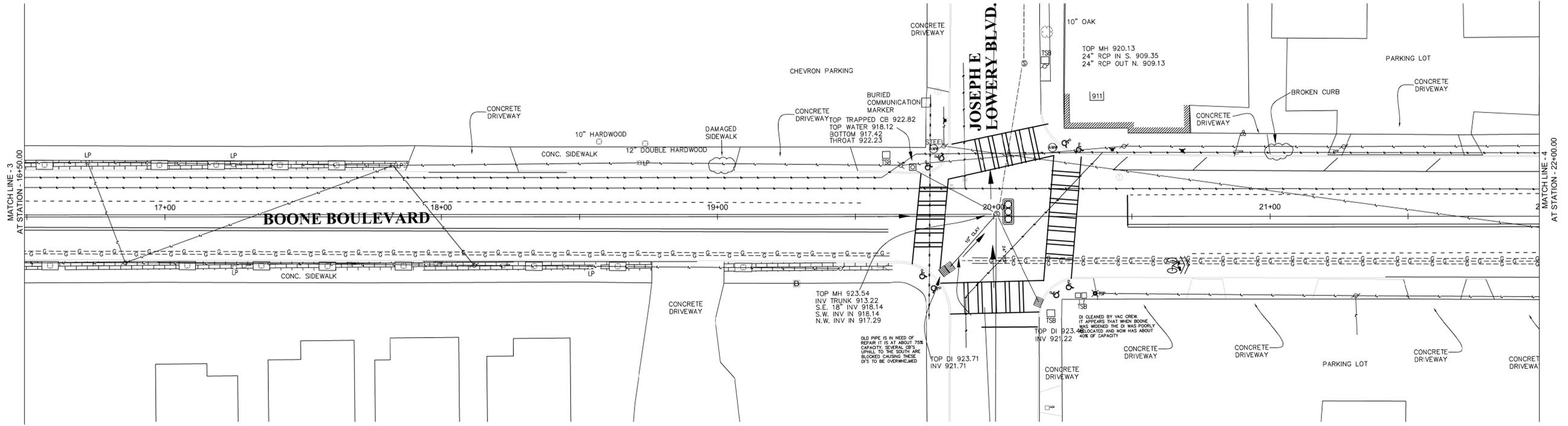
NOTES

FILENAME	1957_TO_14_C001.03_SUMMARY OF QUANTITIES.DWG
CHA PROJECT NUMBER	1957910 TO 14
CLIENT PROJECT NUMBER	FC-4906D
SHEET NUMBER	004
SHEET NUMBER	04 OF 35

PRELIMINARY, NOT FOR PUBLIC USE, GENERAL RELEASE OR CONSTRUCTION

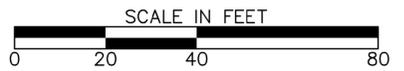
A B C D E F G H I J K L M N O P

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BOONE BOULEVARD

SCALE: HOR 1"=20'; VERT 1"=5'



Jan 07, 2016 - 5:17pm - mmullen
 P:\Atlanta\138775 Atlanta AE\Atlanta AE Task Order 14 GI Program\200 Part 1 Design Services\Boone Boulevard\Draft Deliverable\BC Ed\1957_TO_14_C201_EX SITE PLAN - PROFILE - CROSS SECTIONS.dwg

990 HAMMOND DRIVE
SUITE 400
ATLANTA, GEORGIA 30328

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
PROJECT MANAGER	DESIGNED: R.D SHIPLEY
DATE: 01/08/16	DRAWN: R.D. SHIPLEY
APPROVED:	CHECKED: W.C. DOUTY
BROWN AND CALDWELL	CHECKED: W.C. DOUTY
DATE:	APPROVED: W.C. DOUTY

EXTERNAL REFERENCE FILES	

REVISIONS				
ZONE	REV.	DESCRIPTION	BY	DATE

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

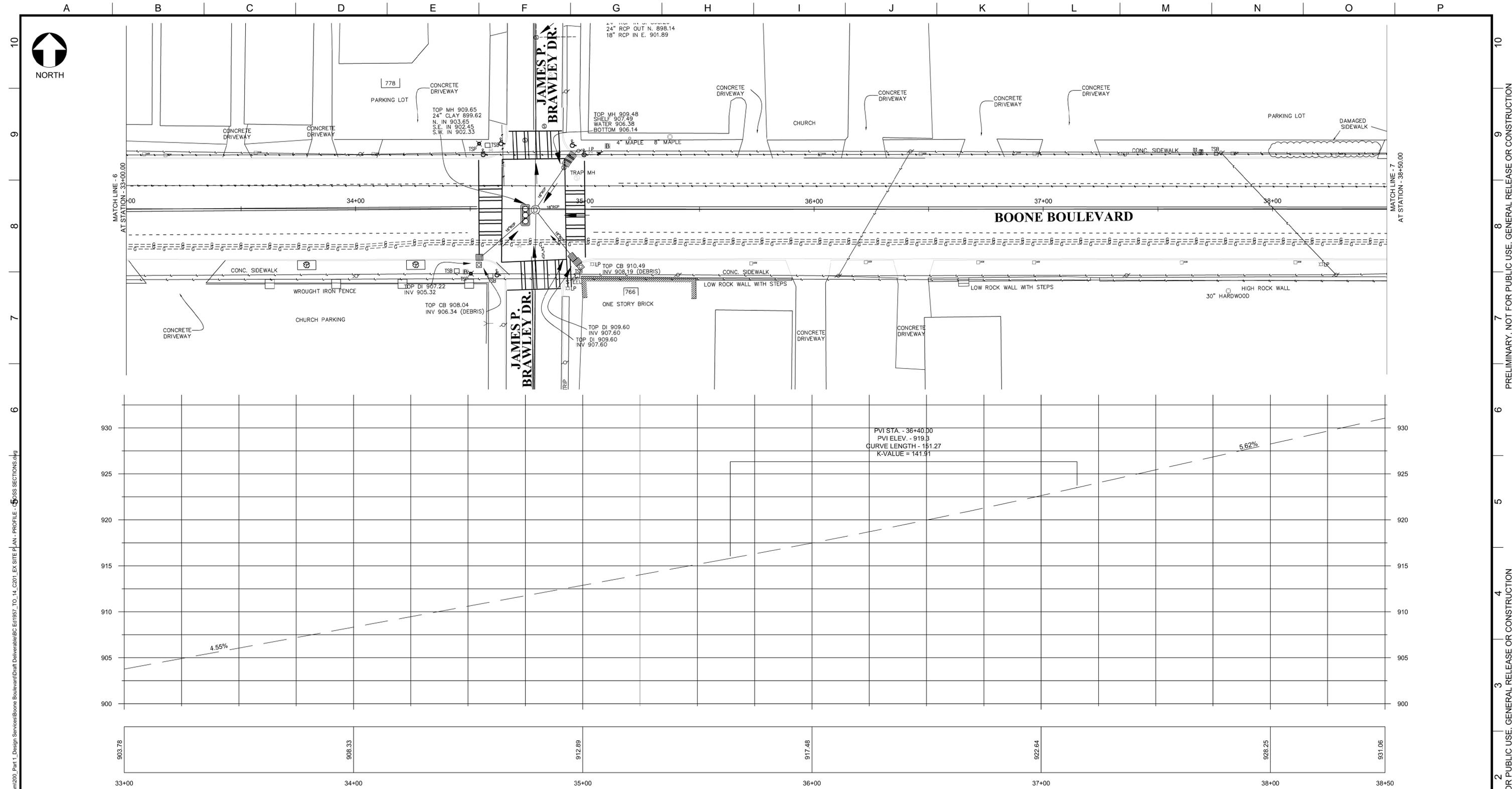
CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

**BOONE BOULEVARD
GREEN INFRASTRUCTURE &
CAPACITY RELIEF PROJECT**

**EXISTING CONDITIONS
PLAN AND PROFILE**

FILENAME 1957_TO_14_C201_EX SITE PLAN - PROFILE - CROSS SECTIONS.DWG
CHA PROJECT NUMBER 1957910 TO 14
CLIENT PROJECT NUMBER FC-4906D
SHEET NUMBER 009
SHEET NUMBER 09 OF 35

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BOONE BOULEVARD

SCALE: HOR 1"=20'; VERT 1"=5'



990 HAMMOND DRIVE
SUITE 400
ATLANTA, GEORGIA 30328

SUBMITTED: _____
PROJECT MANAGER
DATE: 01/08/16
APPROVED: _____
BROWN AND CALDWELL
DATE: _____

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

DESIGNED: R.D. SHIPLEY
DRAWN: R.D. SHIPLEY
CHECKED: W.C. DOUTY
CHECKED: W.C. DOUTY
APPROVED: W.C. DOUTY

EXTERNAL REFERENCE FILES

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

BOONE BOULEVARD
GREEN INFRASTRUCTURE &
CAPACITY RELIEF PROJECT

**EXISTING CONDITIONS
PLAN AND PROFILE**

FILENAME 1967_TO_14_C201_EX-SITE-PLAN- PROFILE-CROSS-SECTIONS.DWG
DHA PROJECT NUMBER 1967910 TO 14
CLIENT PROJECT NUMBER FC-4906D
SHEET NUMBER 012
SHEET NUMBER 12 OF 35

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A B C D E F G H I J K L M N O P

MATCH LINE - 6
AT STATION - 33+00.00

778
CONCRETE DRIVEWAY
PARKING LOT
TOP MH 909.65
24" CLAY 899.62
N. IN 903.65
S.E. IN 902.45
S.W. IN 902.33

JAMES P. BRAWLEY DR.

TOP MH 909.48
SHELF 907.49
WATER 906.38
BOTTOM 906.14

4" MAPLE 8" MAPLE

TRAP MH

CHURCH

CONCRETE DRIVEWAY

CONCRETE DRIVEWAY

CONCRETE DRIVEWAY

CONCRETE DRIVEWAY

CONCRETE DRIVEWAY

CONCRETE DRIVEWAY

PARKING LOT

DAMAGED SIDEWALK

MATCH LINE - 7
AT STATION - 38+50.00

34+00 35+00 36+00 37+00 38+00

BOONE BOULEVARD

CONC. SIDEWALK

WROUGHT IRON FENCE

CHURCH PARKING

CONC. DRIVEWAY

TOP DI 907.22
INV 905.32

TOP CB 908.04
INV 906.34 (DEBRIS)

ONE STORY BRICK

TOP DI 909.60
INV 907.60

TOP DI 909.60
INV 907.60

TRIP

TOP CB 910.49
INV 908.19 (DEBRIS)

LOW ROCK WALL WITH STEPS

CONC. SIDEWALK

CONC. DRIVEWAY

CONC. DRIVEWAY

CONC. DRIVEWAY

CONC. DRIVEWAY

LOW ROCK WALL WITH STEPS

30" HARDWOOD

930
925
920
915
910
905
900

PVI STA. - 36+40.00
PVI ELEV. - 919.3
CURVE LENGTH - 151.27
K-VALUE = 141.91

5.62%

4.55%

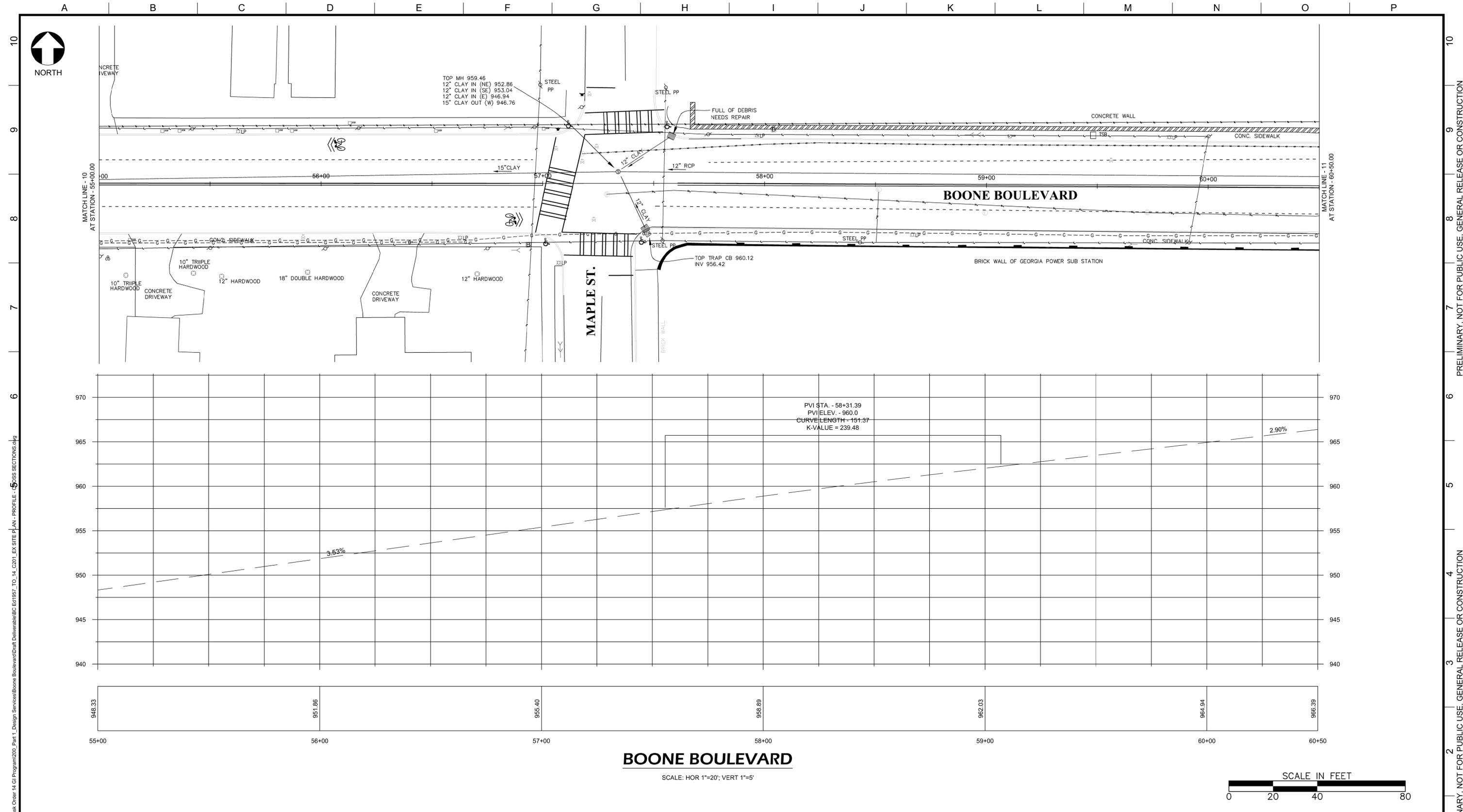
903.78 908.33 912.89 917.48 922.64 928.25 931.06

33+00 34+00 35+00 36+00 37+00 38+00 38+50

SCALE IN FEET
0 20 40 80

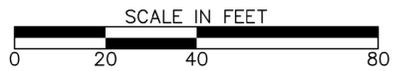
A B C D E F G H I J K L M N O P

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BOONE BOULEVARD

SCALE: HOR 1"=20'; VERT 1"=5'



BC/DHA
A JOINT VENTURE
990 HAMMOND DRIVE
SUITE 400
ATLANTA, GEORGIA 30328

SUBMITTED: _____
PROJECT MANAGER
DATE: 01/08/16
APPROVED: _____
BROWN AND CALDWELL
DATE: _____

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

DESIGNED: R.D. SHIPLEY
DRAWN: R.D. SHIPLEY
CHECKED: W.C. DOUTY
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APPROVED: W.C. DOUTY

EXTERNAL REFERENCE FILES

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

**BOONE BOULEVARD
GREEN INFRASTRUCTURE &
CAPACITY RELIEF PROJECT**

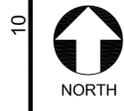
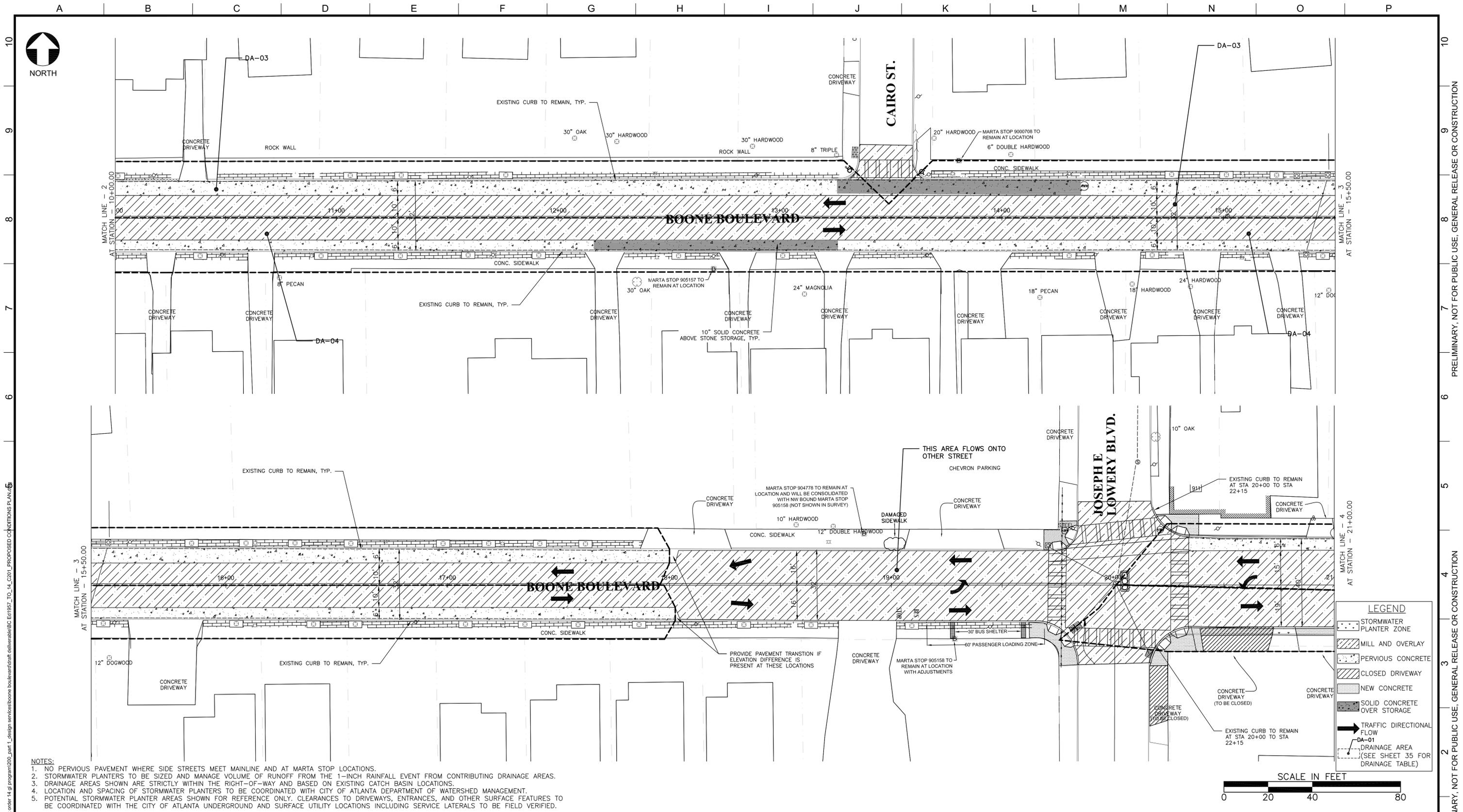
**EXISTING CONDITIONS
PLAN AND PROFILE**

FILENAME 1967_TO_14_C201_EX-SITE-PLAN- PROFILE-CROSS-SECTIONS.DWG
CHA PROJECT NUMBER 1967910 TO 14
CLIENT PROJECT NUMBER FC-4906D
SHEET NUMBER 016
SHEET NUMBER 16 OF 35

10
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2
1

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A B C D E F G H I J K L M N O P



- NOTES:**
1. NO PERVIOUS PAVEMENT WHERE SIDE STREETS MEET MAINLINE AND AT MARTA STOP LOCATIONS.
 2. STORMWATER PLANTERS TO BE SIZED AND MANAGE VOLUME OF RUNOFF FROM THE 1-INCH RAINFALL EVENT FROM CONTRIBUTING DRAINAGE AREAS.
 3. DRAINAGE AREAS SHOWN ARE STRICTLY WITHIN THE RIGHT-OF-WAY AND BASED ON EXISTING CATCH BASIN LOCATIONS.
 4. LOCATION AND SPACING OF STORMWATER PLANTERS TO BE COORDINATED WITH CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT.
 5. POTENTIAL STORMWATER PLANTER AREAS SHOWN FOR REFERENCE ONLY. CLEARANCES TO DRIVEWAYS, ENTRANCES, AND OTHER SURFACE FEATURES TO BE COORDINATED WITH THE CITY OF ATLANTA UNDERGROUND AND SURFACE UTILITY LOCATIONS INCLUDING SERVICE LATERALS TO BE FIELD VERIFIED.

LEGEND

- STORMWATER PLANTER ZONE
- MILL AND OVERLAY
- PREVIOUS CONCRETE
- CLOSED DRIVEWAY
- NEW CONCRETE
- SOLID CONCRETE OVER STORAGE
- TRAFFIC DIRECTIONAL FLOW
- DRAINAGE AREA (SEE SHEET 35 FOR DRAINAGE TABLE)



BC/DHA
A JOINT VENTURE

990 HAMMOND DRIVE
SUITE 400
ATLANTA, GEORGIA 30328

SUBMITTED: _____	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)	EXTERNAL REFERENCE FILES
PROJECT MANAGER	DESIGNED: DHA	
DATE: 01/08/16	DRAWN: V.O. WORD	
APPROVED: _____	CHECKED: V.O. WORD	
BROWN AND CALDWELL	CHECKED: W.C. DOUTY	
DATE: _____	APPROVED: W.C. DOUTY	

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

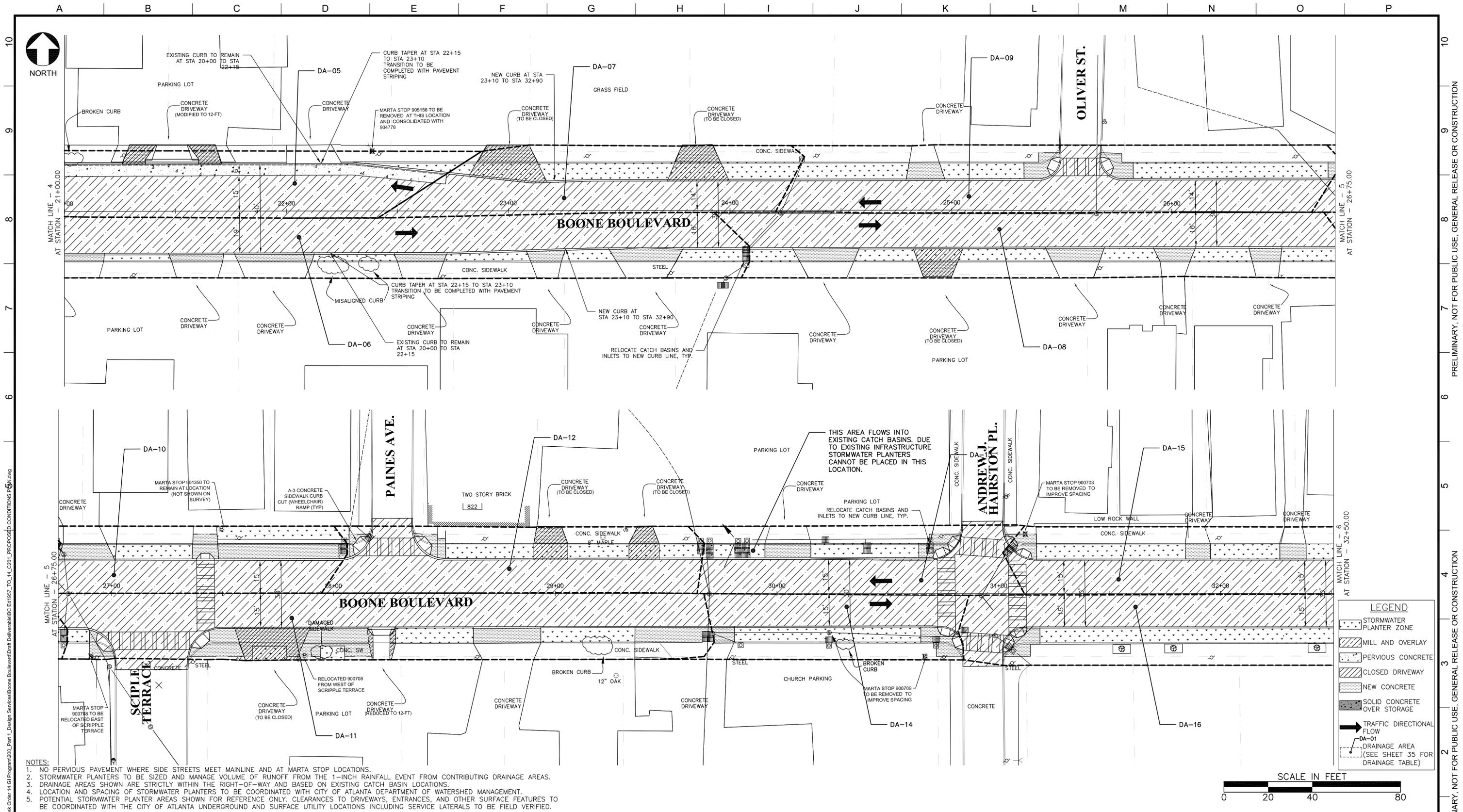
BOONE BOULEVARD GREEN INFRASTRUCTURE & CAPACITY RELIEF PROJECT

PROPOSED CONDITIONS PLAN

FILENAME: 1957_TO_14_C201_PROPOSED_CONDITIONS_PLAN.DWG
DHA PROJECT NUMBER: 1957910 TO 14
CLIENT PROJECT NUMBER: FC-4906D
SHEET NUMBER: 020
SHEET NUMBER OF: 20 OF 35

Jan 08, 2016 - 1:33pm mmullen

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- NOTES:**
1. NO PERVIOUS PAVEMENT WHERE SIDE STREETS MEET MAINLINE AND AT MARTA STOP LOCATIONS.
 2. STORMWATER PLANTERS TO BE SIZED AND MANAGE VOLUME OF RUNOFF FROM THE 1-INCH RAINFALL EVENT FROM CONTRIBUTING DRAINAGE AREAS.
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BC/DHA
A JOINT VENTURE

990 HAMMOND DRIVE
SUITE 400
ATLANTA, GEORGIA 30328

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PROJECT MANAGER	DESIGNED: DHA	
DATE: 01/08/16	DRAWN: V.O. WORD	
APPROVED:	CHECKED: V.O. WORD	
BROWN AND CALDWELL	CHECKED: W.C. DOUTY	
DATE: ----	APPROVED: W.C. DOUTY	

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

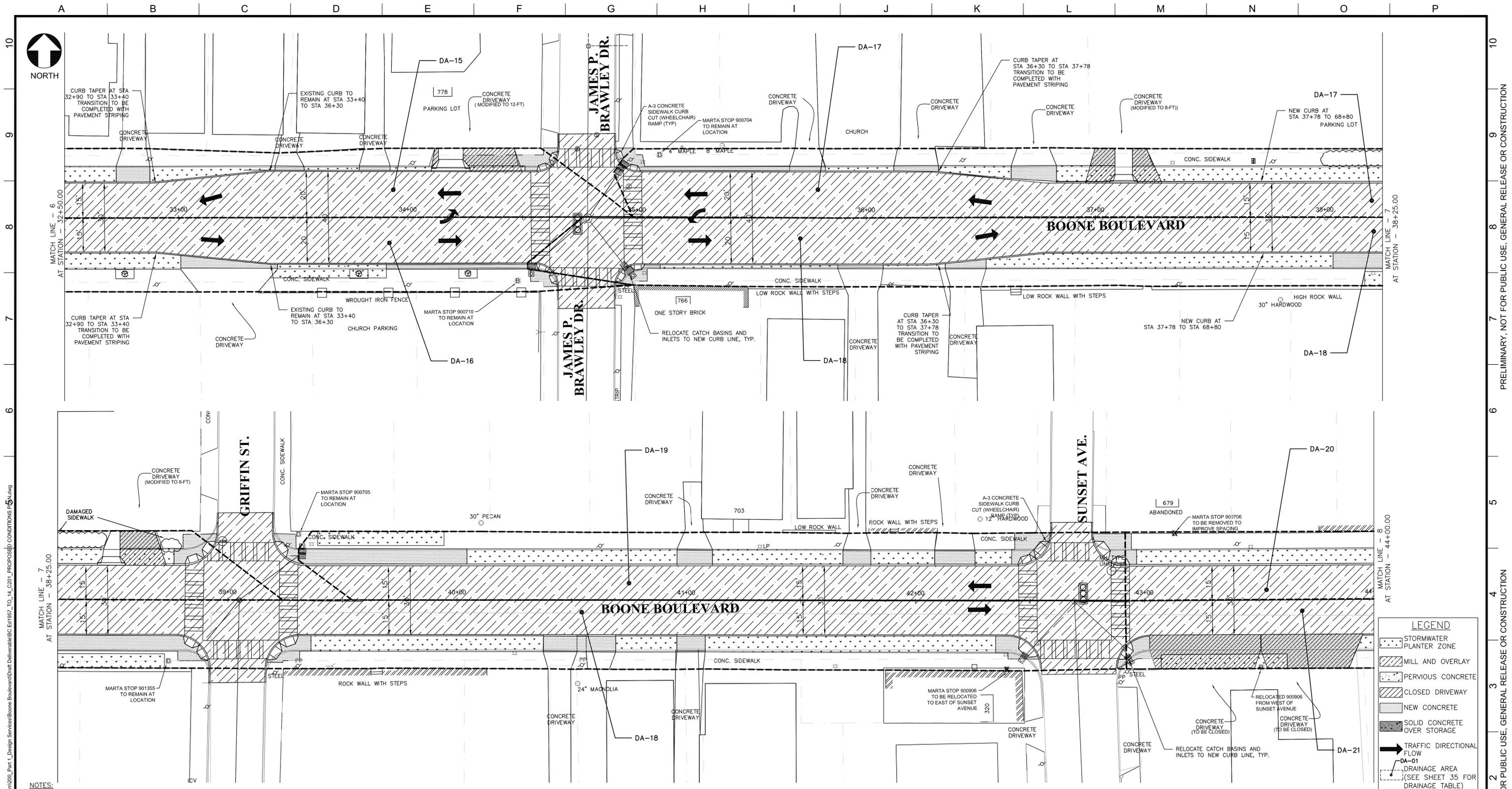
REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

BOONE BOULEVARD
GREEN INFRASTRUCTURE &
CAPACITY RELIEF PROJECT

**PROPOSED CONDITIONS
PLAN**

FILENAME 1957_TO_14_C201_PROPOSED CONDITIONS_PLAN.DWG
DHA PROJECT NUMBER 1957910 TO 14
CLIENT PROJECT NUMBER FC-4906D
SHEET NUMBER 021
SHEET NUMBER 21 OF 35



- NOTES:**
1. NO PERVIOUS PAVEMENT WHERE SIDE STREETS MEET MAINLINE AND AT MARTA STOP LOCATIONS.
 2. STORMWATER PLANTERS TO BE SIZED AND MANAGE VOLUME OF RUNOFF FROM THE 1-INCH RAINFALL EVENT FROM CONTRIBUTING DRAINAGE AREAS.
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990 HAMMOND DRIVE
SUITE 400
ATLANTA, GEORGIA 30328

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PROJECT MANAGER	DESIGNED: DHA	
DATE: 01/08/16	DRAWN: V.O. WORD	
APPROVED: _____	CHECKED: V.O. WORD	
BROWN AND CALDWELL	CHECKED: W.C. DOUTY	
DATE: _____	APPROVED: W.C. DOUTY	

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT					
BOONE BOULEVARD GREEN INFRASTRUCTURE & CAPACITY RELIEF PROJECT					

PROPOSED CONDITIONS PLAN

FILENAME: 1957_TO_14_C201_PROPOSED_CONDITIONS_PLAN.DWG
DHA PROJECT NUMBER: 1957910 TO 14
CLIENT PROJECT NUMBER: FC-4906D
SHEET NUMBER: 022
SHEET NUMBER OF: 22 OF 35

SCALE IN FEET
0 20 40 80

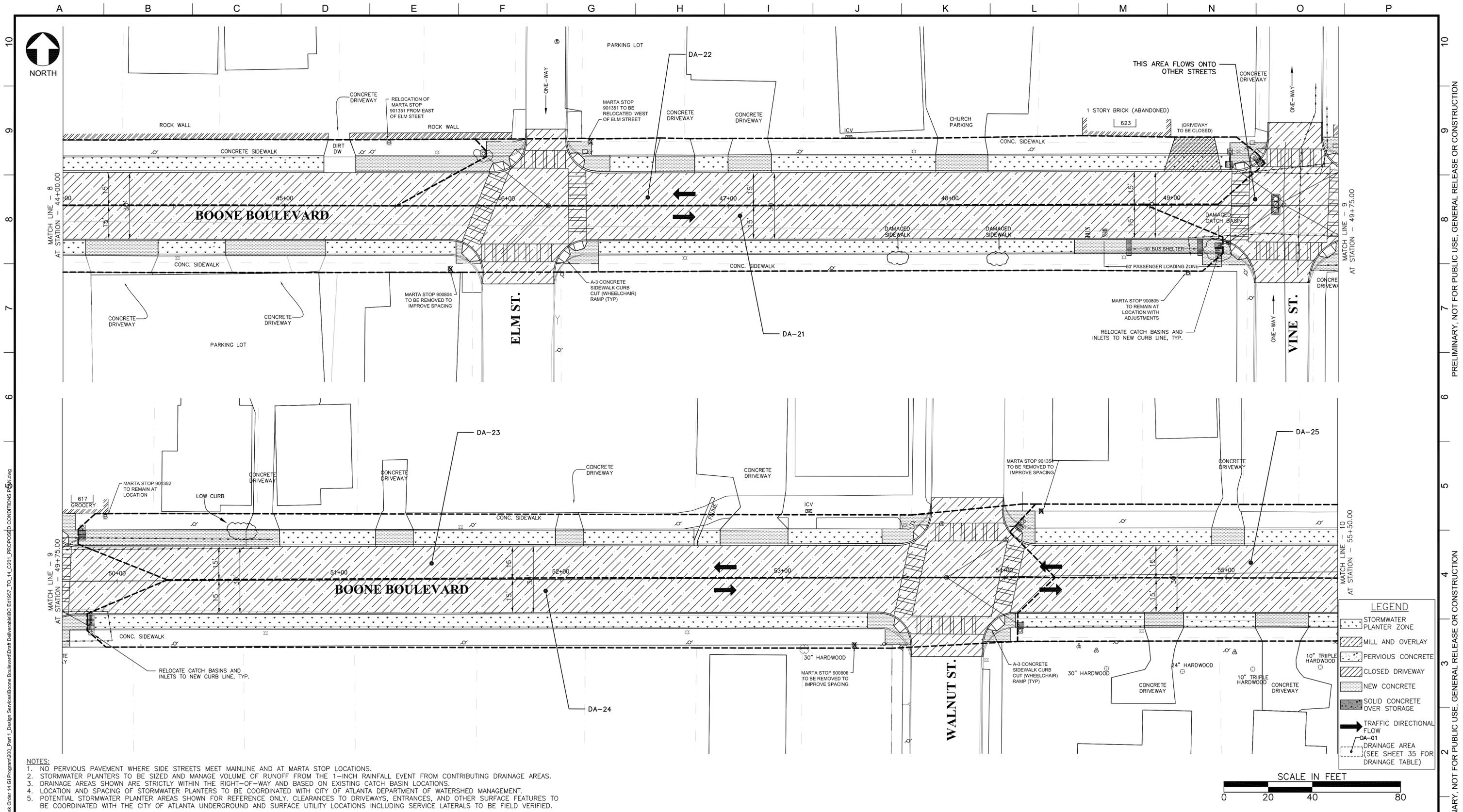
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A B C D E F G H I J K L M N O P

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Jan 07, 2016 - 5:22pm
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NOTES:

- NO PERVIOUS PAVEMENT WHERE SIDE STREETS MEET MAINLINE AND AT MARTA STOP LOCATIONS.
- STORMWATER PLANTERS TO BE SIZED AND MANAGE VOLUME OF RUNOFF FROM THE 1-INCH RAINFALL EVENT FROM CONTRIBUTING DRAINAGE AREAS.
- DRAINAGE AREAS SHOWN ARE STRICTLY WITHIN THE RIGHT-OF-WAY AND BASED ON EXISTING CATCH BASIN LOCATIONS.
- LOCATION AND SPACING OF STORMWATER PLANTERS TO BE COORDINATED WITH CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT.
- POTENTIAL STORMWATER PLANTER AREAS SHOWN FOR REFERENCE ONLY. CLEARANCES TO DRIVEWAYS, ENTRANCES, AND OTHER SURFACE FEATURES TO BE COORDINATED WITH THE CITY OF ATLANTA UNDERGROUND AND SURFACE UTILITY LOCATIONS INCLUDING SERVICE LATERALS TO BE FIELD VERIFIED.

LEGEND

- STORMWATER PLANTER ZONE
- MILL AND OVERLAY
- PERVIOUS CONCRETE
- CLOSED DRIVEWAY
- NEW CONCRETE
- SOLID CONCRETE OVER STORAGE
- TRAFFIC DIRECTIONAL FLOW
- DA-01 DRAINAGE AREA (SEE SHEET 35 FOR DRAINAGE TABLE)

SCALE IN FEET

0 20 40 80

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

BC/DHA
A JOINT VENTURE

990 HAMMOND DRIVE
SUITE 400
ATLANTA, GEORGIA 30328

CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

**BOONE BOULEVARD
GREEN INFRASTRUCTURE &
CAPACITY RELIEF PROJECT**

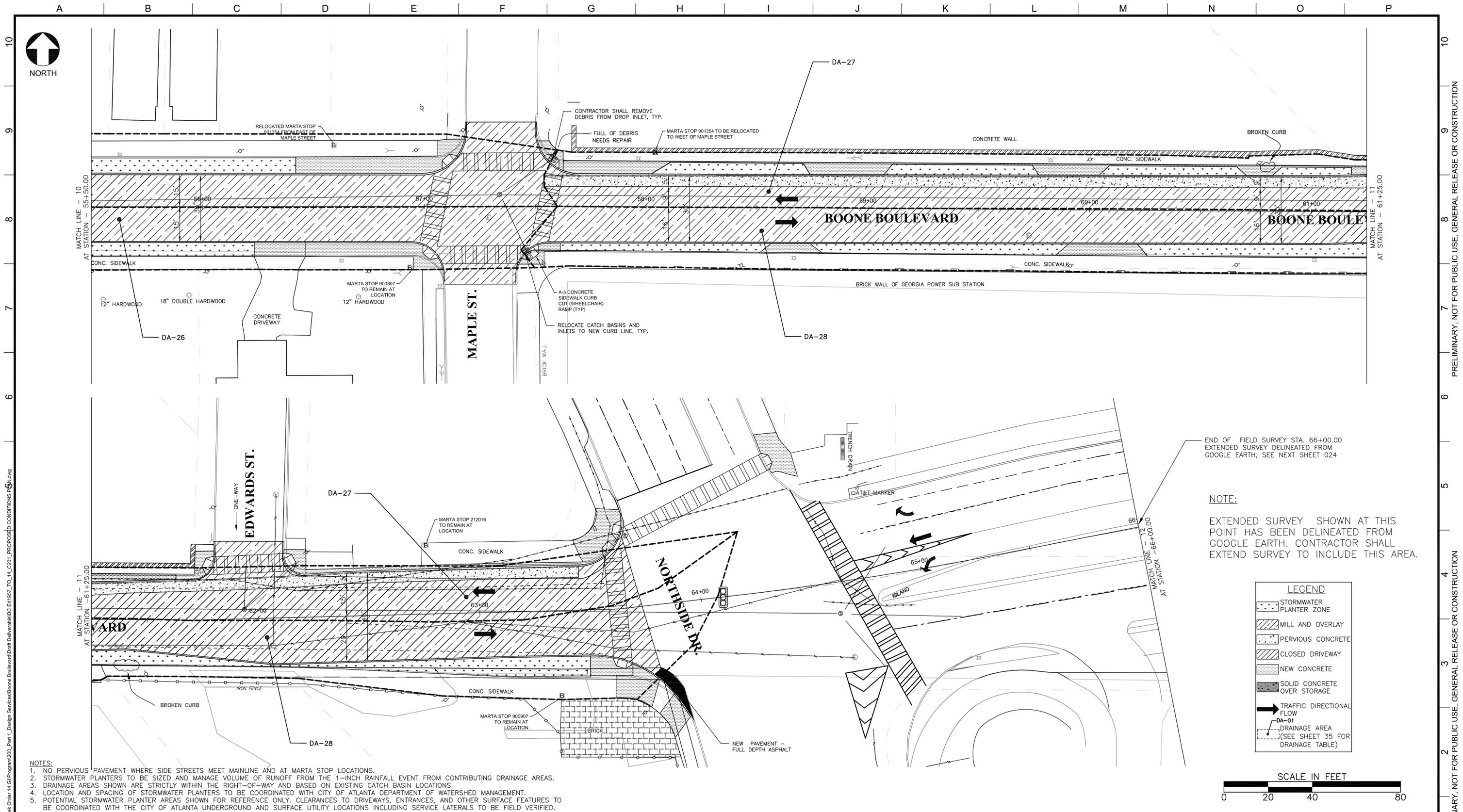
**PROPOSED CONDITIONS
PLAN**

FILENAME
1957_TO_14_C201_PROPOSED
CONDITIONS_PLAN.DWG
DHA PROJECT NUMBER
1957910 TO 14
CLIENT PROJECT NUMBER
FC-4906D
SHEET NUMBER
023
SHEET NUMBER
23 OF 35

SUBMITTED: _____ DATE: 01/08/16
 PROJECT MANAGER: _____
 APPROVED: _____ DATE: _____
 DESIGNED: DHA
 DRAWN: V.O. WORD
 CHECKED: V.O. WORD
 CHECKED: W.C. DOUTY
 APPROVED: W.C. DOUTY

Jan 07, 2016 - 5:22pm
 rmmillen
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PRELIMINARY, NOT FOR PUBLIC USE, GENERAL RELEASE OR CONSTRUCTION



NOTES:
 1. NO PERVIOUS PAVEMENT WHERE SIDE STREETS MEET MAINLINE AND AT MARTA STOP LOCATIONS.
 2. STORMWATER PLANTERS TO BE SIZED AND MANAGE VOLUME OF RUNOFF FROM THE 1-INCH RAINFALL EVENT FROM CONTRIBUTING DRAINAGE AREAS.
 3. DRAINAGE AREAS SHOWN ARE STRICTLY WITHIN THE RIGHT-OF-WAY AND BASED ON EXISTING CATCH BASIN LOCATIONS.
 4. LOCATION AND SPACING OF STORMWATER PLANTERS TO BE COORDINATED WITH CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT.
 5. POTENTIAL STORMWATER PLANTER AREAS SHOWN FOR REFERENCE ONLY. CLEARANCES TO DRIVEWAYS, ENTRANCES, AND OTHER SURFACE FEATURES TO BE COORDINATED WITH THE CITY OF ATLANTA UNDERGROUND AND SURFACE UTILITY LOCATIONS INCLUDING SERVICE LATERALS TO BE FIELD VERIFIED.

NOTE:
 EXTENDED SURVEY SHOWN AT THIS POINT HAS BEEN DELINEATED FROM GOOGLE EARTH. CONTRACTOR SHALL EXTEND SURVEY TO INCLUDE THIS AREA.

LEGEND

- STORMWATER PLANTER ZONE
- MILL AND OVERLAY
- PERVIOUS CONCRETE
- CLOSED DRIVEWAY
- NEW CONCRETE
- SOLID CONCRETE OVER STORAGE
- TRAFFIC DIRECTIONAL FLOW
- DRAINAGE AREA (SEE SHEET 35 FOR DRAINAGE TABLE)



BC/DHA
 A JOINT VENTURE
 990 HAMMOND DRIVE
 SUITE 400
 ATLANTA, GEORGIA 30328

SUBMITTED: PROJECT MANAGER DATE: 01/08/16	DESIGNED: DHA
APPROVED: BROWN AND CALDWELL DATE: ----	DRAWN: V.O. WORD CHECKED: V.O. WORD CHECKED: W.C. DOUTY APPROVED: W.C. DOUTY

EXTERNAL REFERENCE FILES

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

CITY OF ATLANTA
 DEPARTMENT OF WATERSHED MANAGEMENT
 BOONE BOULEVARD
 GREEN INFRASTRUCTURE &
 CAPACITY RELIEF PROJECT

PROPOSED CONDITIONS PLAN

FILENAME 1957_TO_14_C201_PROPOSED CONDITIONS_PLAN.DWG
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CLIENT PROJECT NUMBER FC-4906D
SHEET NUMBER 024
SHEET NUMBER 24 OF 35

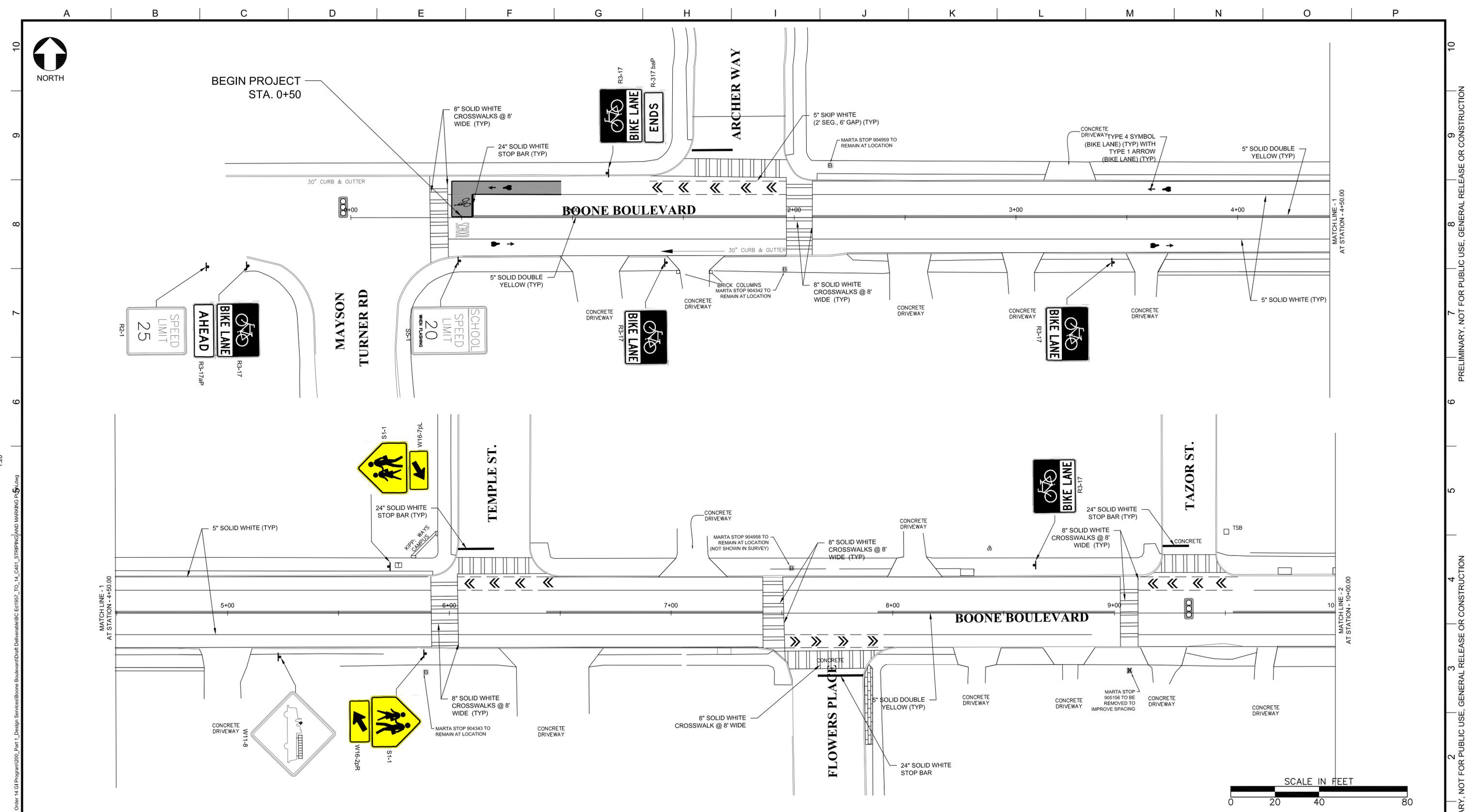
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A B C D E F G H I J K L M N O P

 Jan 07, 2016 - 5:23pm rmmullen
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BC/DHA

 A JOINT VENTURE

990 HAMMOND DRIVE

 SUITE 400

 ATLANTA, GEORGIA 30328

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)	EXTERNAL REFERENCE FILES
PROJECT MANAGER	DESIGNED: DHA	
DATE: 01/08/16	DRAWN: V.O. WORD	
APPROVED:	CHECKED: V.O. WORD	
BROWN AND CALDWELL	CHECKED: W.C. DOUTY	
DATE: ---	APPROVED: W.C. DOUTY	

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

CITY OF ATLANTA

 DEPARTMENT OF

 WATERSHED MANAGEMENT

BOONE BOULEVARD

GREEN INFRASTRUCTURE &

CAPACITY RELIEF PROJECT

PROPOSED SIGNING AND MARKING PLAN

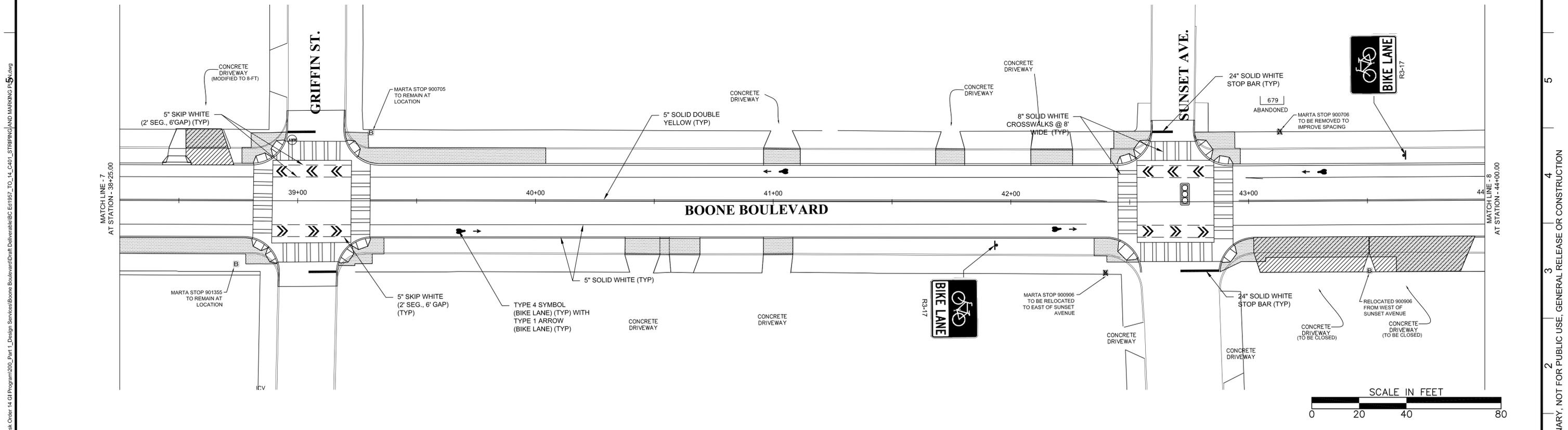
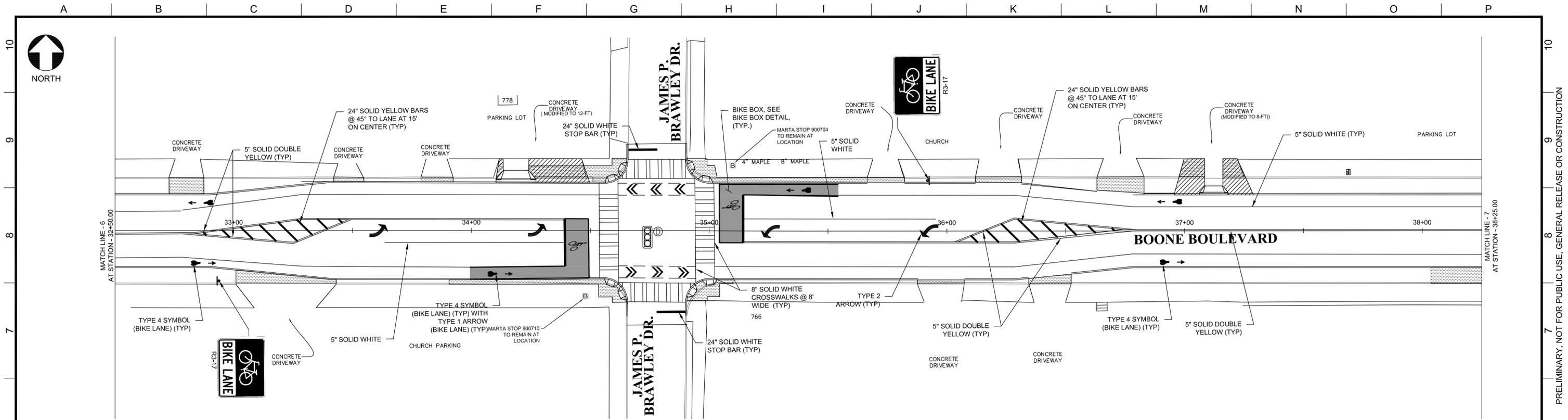
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CLIENT PROJECT NUMBER FC-4906D
SHEET NUMBER 026
SHEET NUMBER 26 OF 35

1:20

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BC/DHA
A JOINT VENTURE

990 HAMMOND DRIVE
SUITE 400
ATLANTA, GEORGIA 30328

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)	EXTERNAL REFERENCE FILES
PROJECT MANAGER	DESIGNED: DHA	
DATE: 01/08/16	DRAWN: V.O. WORD	
APPROVED:	CHECKED: V.O. WORD	
BROWN AND CALDWELL	CHECKED: W.C. DOUTY	
DATE: ---	APPROVED: W.C. DOUTY	

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

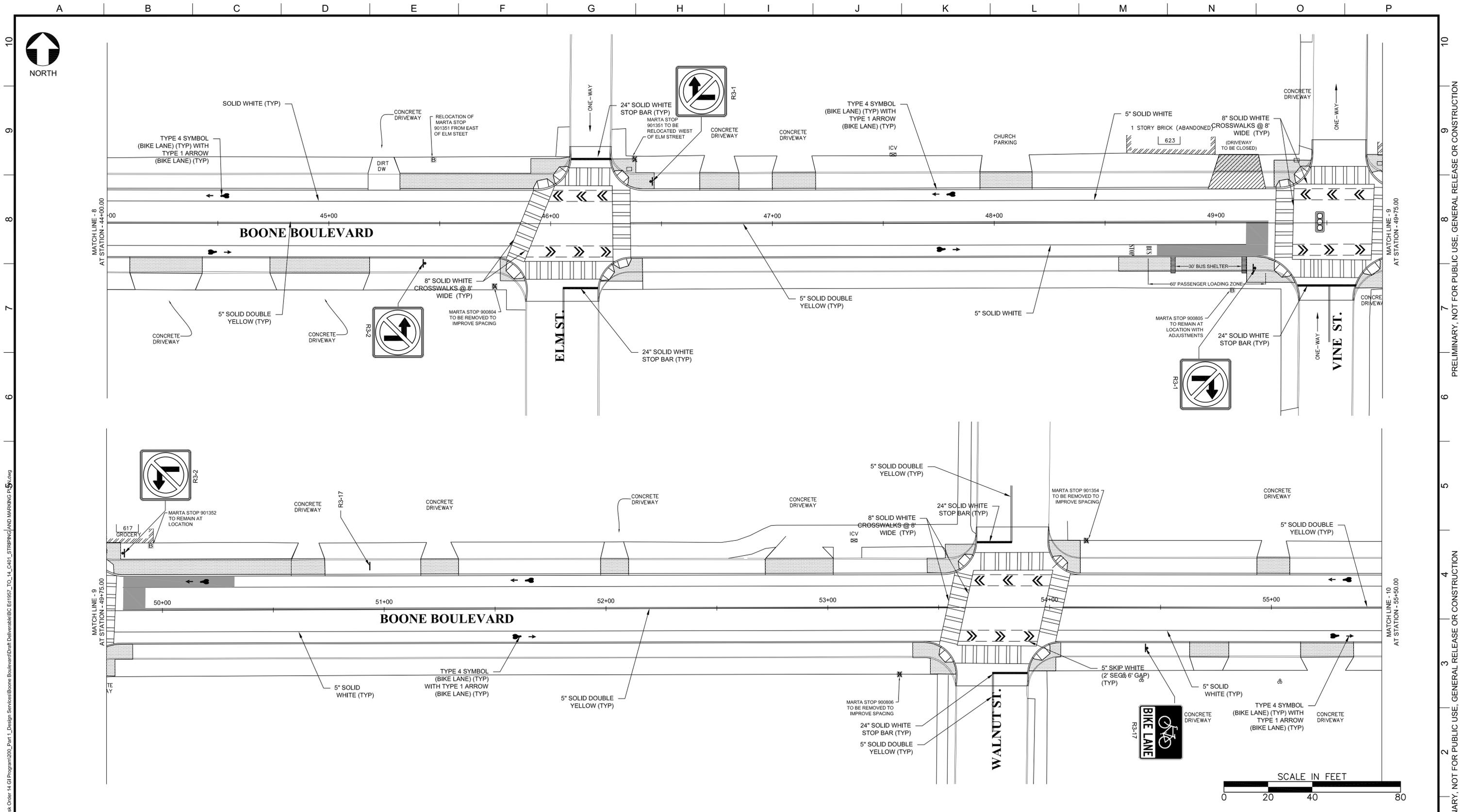
BOONE BOULEVARD
GREEN INFRASTRUCTURE &
CAPACITY RELIEF PROJECT

PROPOSED SIGNING AND MARKING PLAN

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DHA PROJECT NUMBER 1957910 TO 14
CLIENT PROJECT NUMBER FC-4906D
SHEET NUMBER 029
SHEET NUMBER 29 OF 35

Jan 07, 2016 - 5:54pm rmmullen
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BC/DHA
A JOINT VENTURE

990 HAMMOND DRIVE
SUITE 400
ATLANTA, GEORGIA 30328

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)	EXTERNAL REFERENCE FILES
PROJECT MANAGER	DESIGNED: DHA	
DATE: 01/08/16	DRAWN: V.O. WORD	
APPROVED:	CHECKED: V.O. WORD	
BROWN AND CALDWELL	CHECKED: W.C. DOUTY	
DATE: ---	APPROVED: W.C. DOUTY	

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

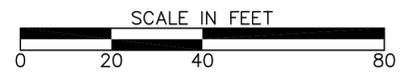
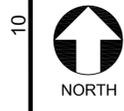
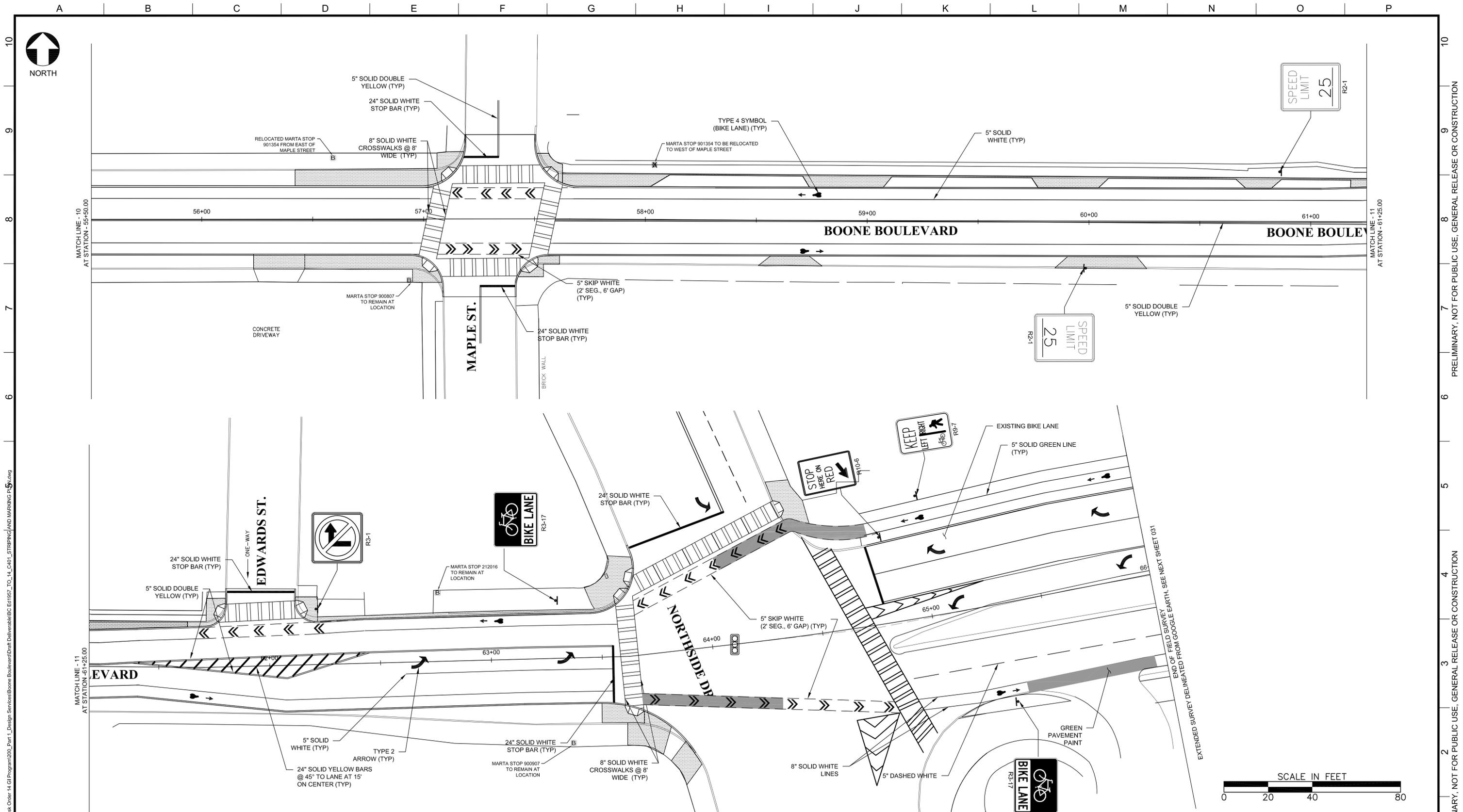
BOONE BOULEVARD
GREEN INFRASTRUCTURE &
CAPACITY RELIEF PROJECT

PROPOSED SIGNING AND MARKING PLAN

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DHA PROJECT NUMBER: 1957910 TO 14
CLIENT PROJECT NUMBER: FC-4906D
SHEET NUMBER: 030
SHEET NUMBER OF: 30 OF 35

Jan 07, 2016 - 5:55pm rmmullen
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BC/DHA
A JOINT VENTURE

990 HAMMOND DRIVE
SUITE 400
ATLANTA, GEORGIA 30328

SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)	EXTERNAL REFERENCE FILES
PROJECT MANAGER	DESIGNED: DHA	
DATE: 01/08/16	DRAWN: V.O. WORD	
APPROVED:	CHECKED: V.O. WORD	
BROWN AND CALDWELL	CHECKED: W.C. DOUTY	
DATE:	APPROVED: W.C. DOUTY	

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

BOONE BOULEVARD
GREEN INFRASTRUCTURE &
CAPACITY RELIEF PROJECT

PROPOSED SIGNING AND MARKING PLAN

FILENAME 1957_TO_14_CAD1_STRIPPING AND MARKING PLAN.DWG
DHA PROJECT NUMBER 1957910 TO 14
CLIENT PROJECT NUMBER FC-4906D
SHEET NUMBER 031
SHEET NUMBER 31 OF 35

Jan 07, 2016 - 6:20pm rmmillen
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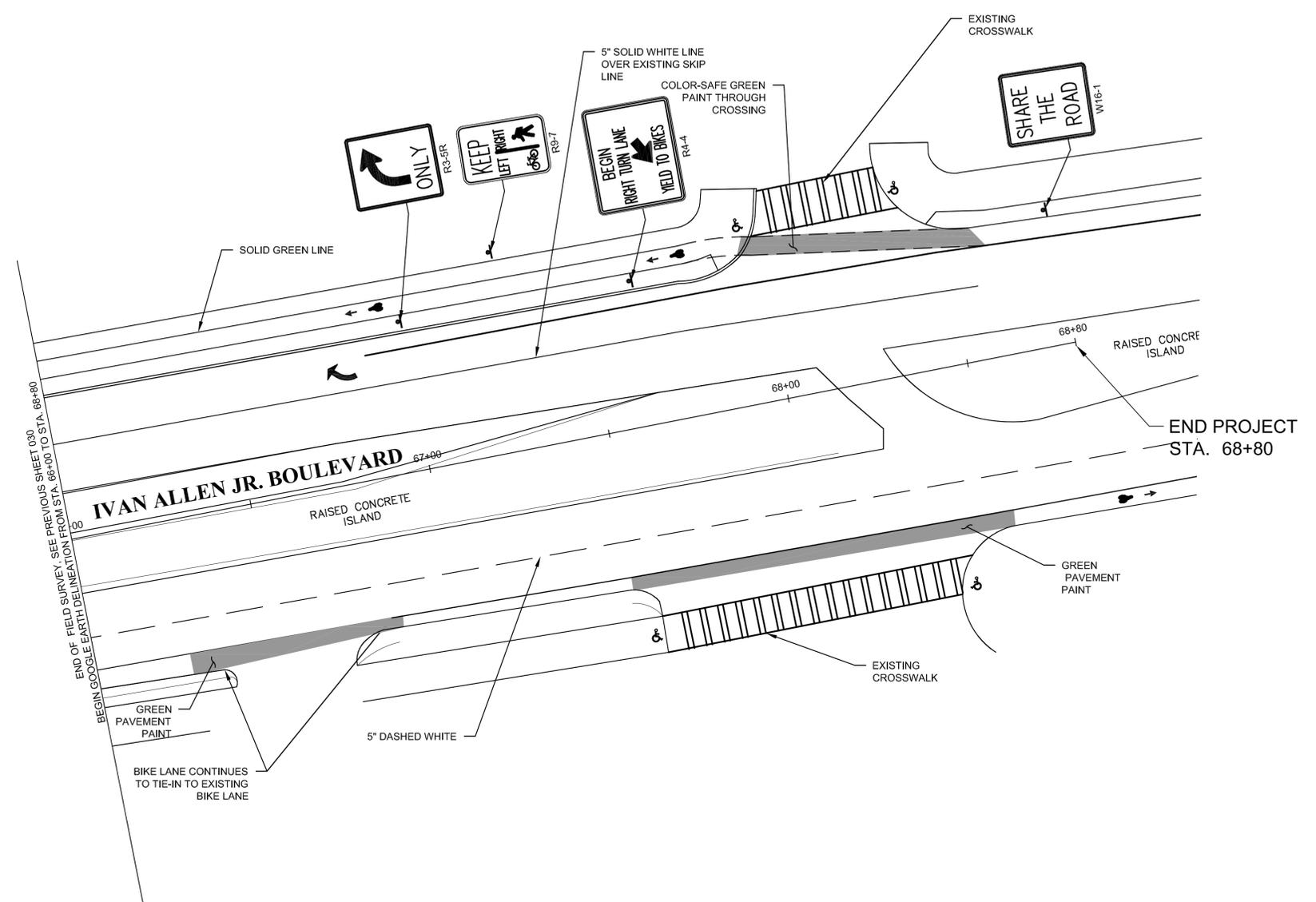
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A B C D E F G H I J K L M N O P

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- NOTES:
- EXTENDED SURVEY SHOWN ON THIS SHEET HAS BEEN DELINEATED FROM GOOGLE EARTH.



Jan 07, 2015 - 5:55pm - rmmullen
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SUBMITTED:	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)	EXTERNAL REFERENCE FILES
PROJECT MANAGER	DESIGNED: DHA	
DATE: 01/08/16	DRAWN: V.O. WORD	
APPROVED:	CHECKED: V.O. WORD	
BROWN AND CALDWELL	CHECKED: W.C. DOUTY	
DATE: ---	APPROVED: W.C. DOUTY	

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

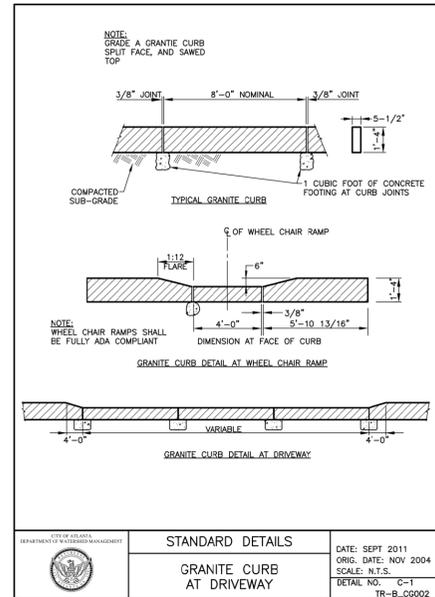


CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT
BOONE BOULEVARD GREEN INFRASTRUCTURE & CAPACITY RELIEF PROJECT

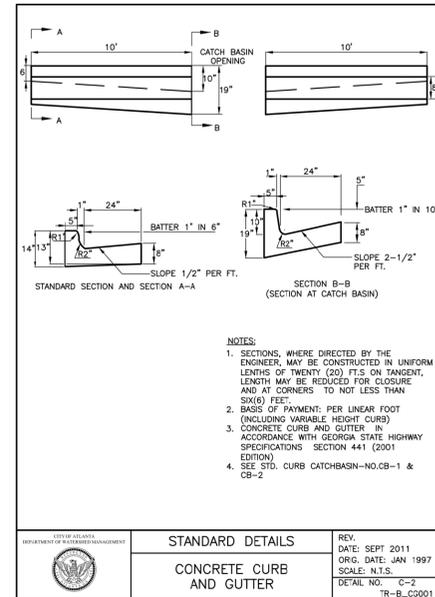
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CLIENT PROJECT NUMBER FC-4906D
SHEET NUMBER 032
SHEET NUMBER 32 OF 35

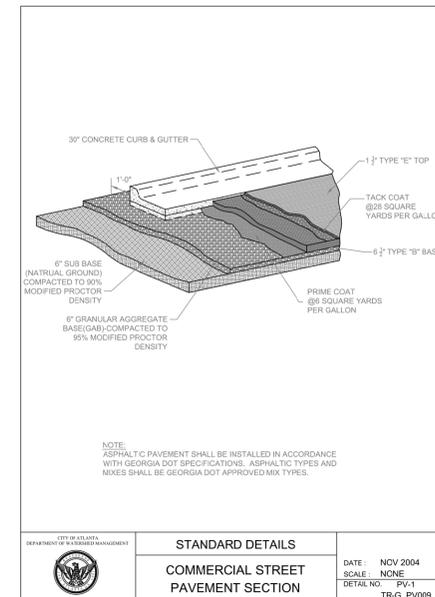
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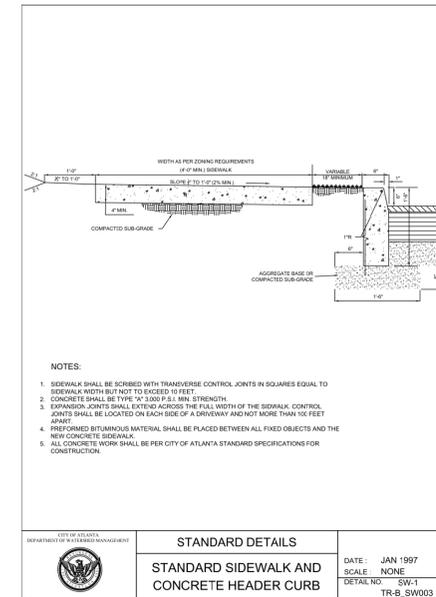
STANDARD DETAILS
GRANITE CURB AT DRIVEWAY
 DATE: SEPT 2011
 ORIG. DATE: NOV 2004
 SCALE: N.T.S.
 DETAIL NO.: C-1
 TR-B-C0002



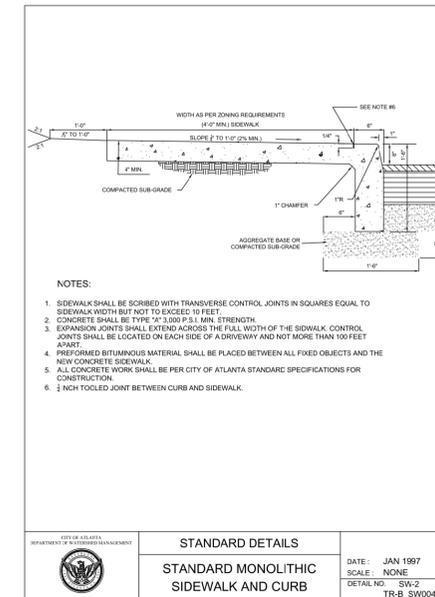
STANDARD DETAILS
CONCRETE CURB AND GUTTER
 REV. DATE: SEPT 2011
 ORIG. DATE: JAN 1997
 SCALE: N.T.S.
 DETAIL NO.: C-2
 TR-B-C0001



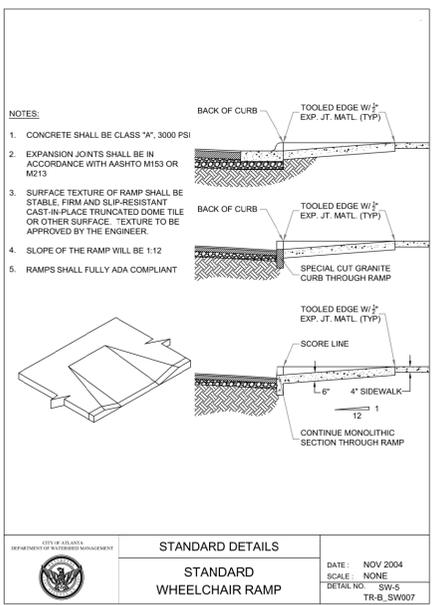
STANDARD DETAILS
COMMERCIAL STREET PAVEMENT SECTION
 DATE: NOV 2004
 SCALE: NONE
 DETAIL NO.: PV-1
 TR-G-0009



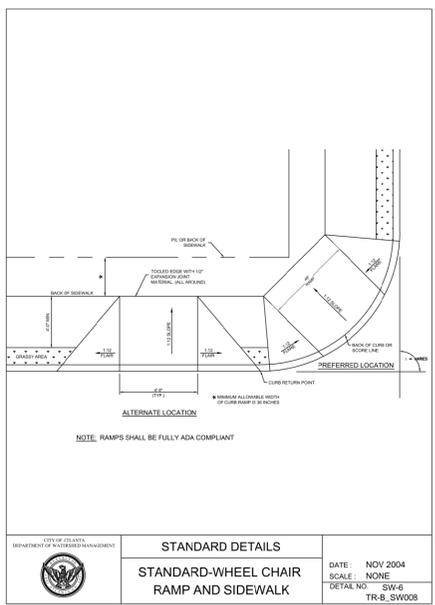
STANDARD DETAILS
STANDARD SIDEWALK AND CONCRETE HEADER CURB
 DATE: JAN 1997
 SCALE: NONE
 DETAIL NO.: SW-1
 TR-B-SW003



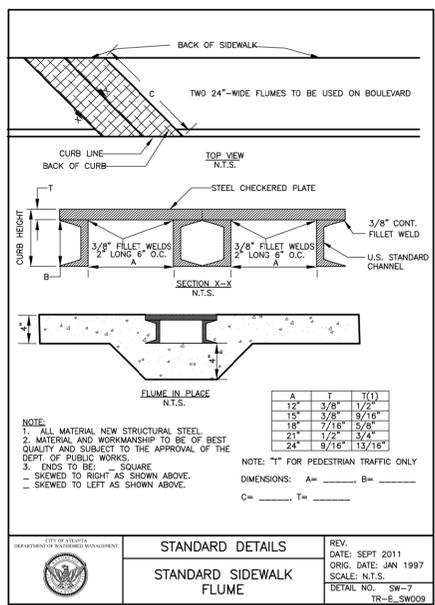
STANDARD DETAILS
STANDARD MONOLITHIC SIDEWALK AND CURB
 DATE: JAN 1997
 SCALE: NONE
 DETAIL NO.: SW-2
 TR-B-SW004



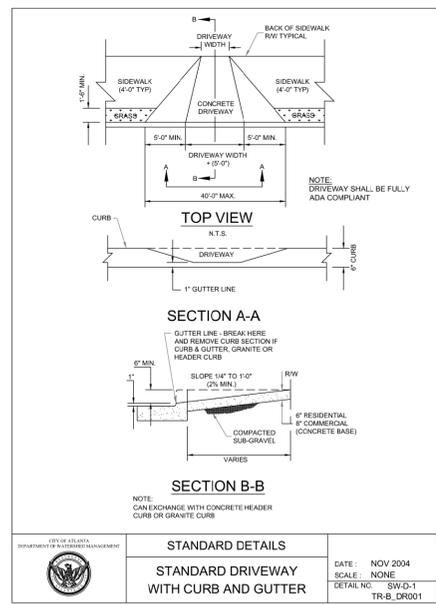
STANDARD DETAILS
STANDARD WHEELCHAIR RAMP
 DATE: NOV 2004
 SCALE: NONE
 DETAIL NO.: SW-5
 TR-B-SW007



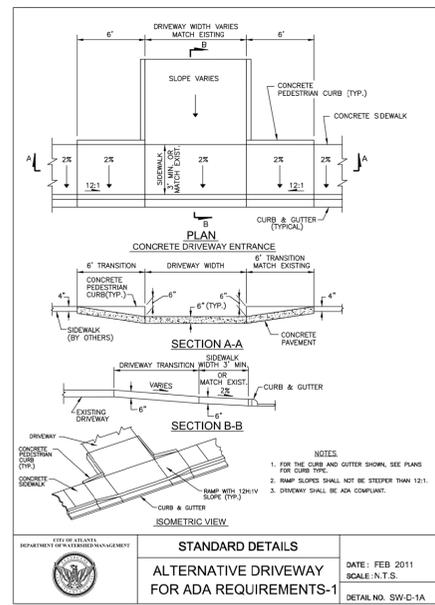
STANDARD DETAILS
STANDARD WHEELCHAIR RAMP AND SIDEWALK
 DATE: NOV 2004
 SCALE: NONE
 DETAIL NO.: SW-6
 TR-B-SW008



STANDARD DETAILS
STANDARD SIDEWALK FLUME
 REV. DATE: SEPT 2011
 ORIG. DATE: JAN 1997
 SCALE: N.T.S.
 DETAIL NO.: SW-7
 TR-B-SW009



STANDARD DETAILS
STANDARD DRIVEWAY WITH CURB AND GUTTER
 DATE: NOV 2004
 SCALE: NONE
 DETAIL NO.: SW-D-1
 TR-B-DR001



STANDARD DETAILS
ALTERNATIVE DRIVEWAY FOR ADA REQUIREMENTS-1
 DATE: FEB 2011
 SCALE: N.T.S.
 DETAIL NO.: SW-D-1A

SUBMITTED: _____
 PROJECT MANAGER
 DATE: 01/08/16
 APPROVED: _____
 BROWN AND CALDWELL
 DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
 DESIGNED: DHA
 DRAWN: V.O.WORD
 CHECKED: V.O.WORD
 CHECKED: W.C.DOUTY
 APPROVED: W.C.DOUTY

EXTERNAL REFERENCE FILES

REVISIONS				
ZONE	REV.	DESCRIPTION	BY	DATE

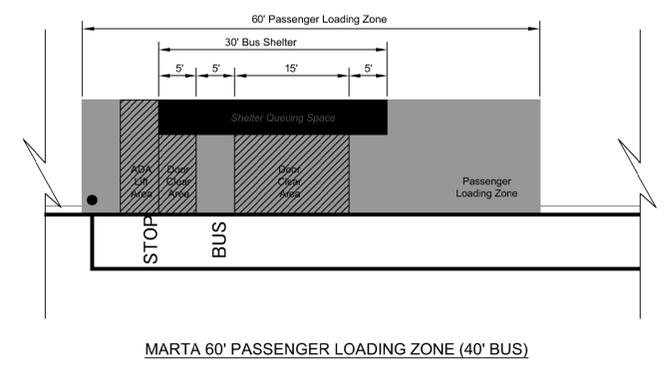
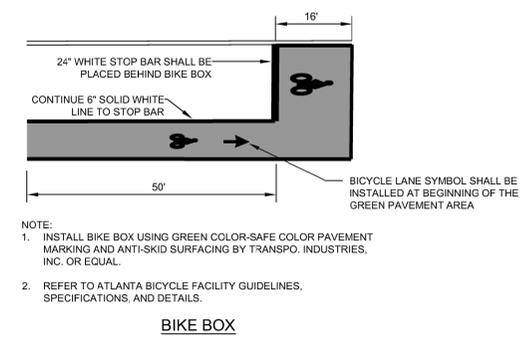
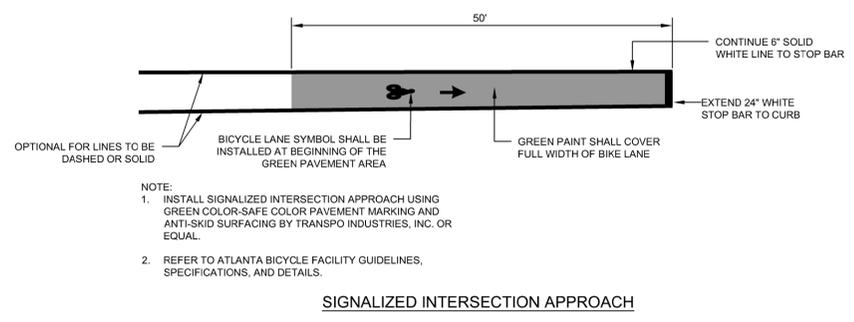
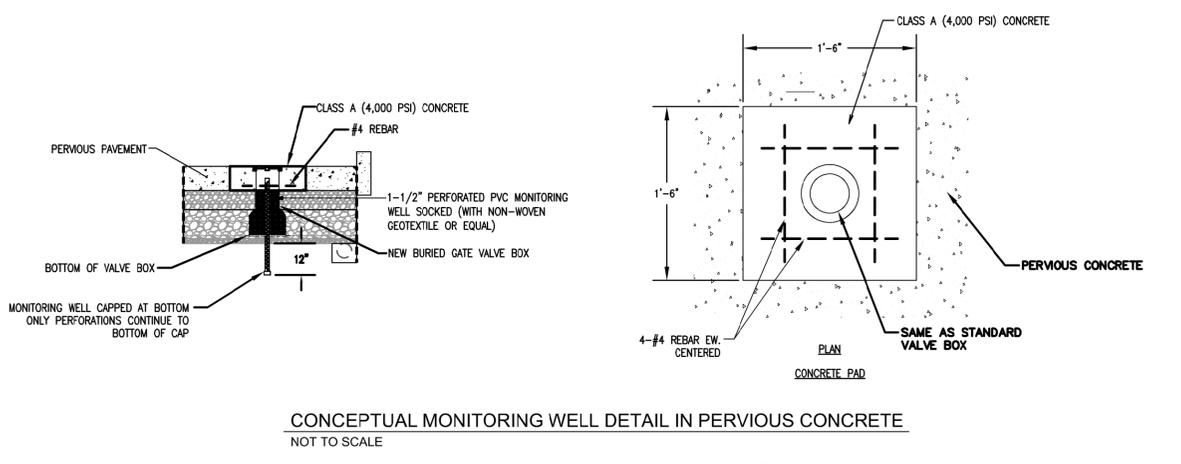
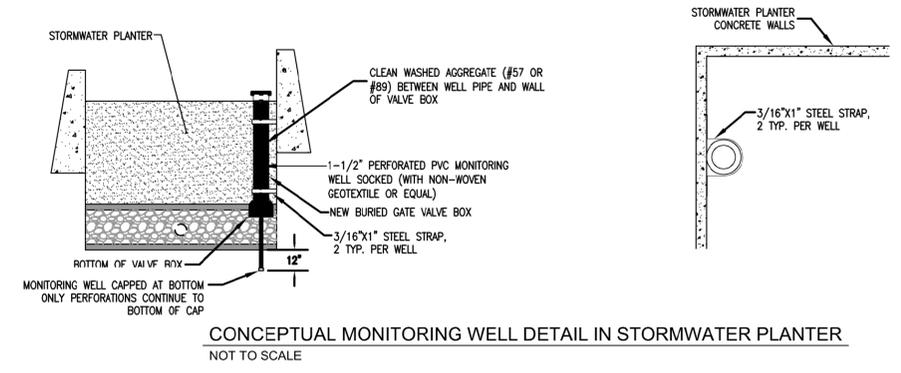
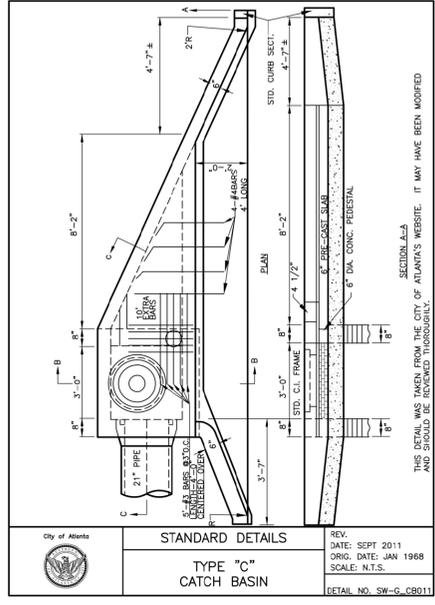
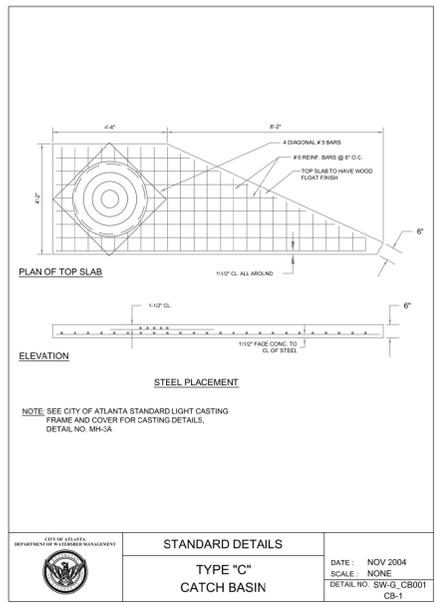
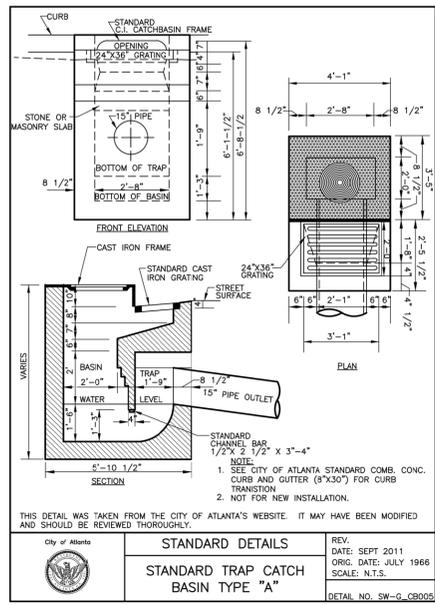
CITY OF ATLANTA
 DEPARTMENT OF WATERSHED MANAGEMENT
BOONE BOULEVARD GREEN INFRASTRUCTURE & CAPACITY RELIEF PROJECT

COA TYPICAL DETAILS

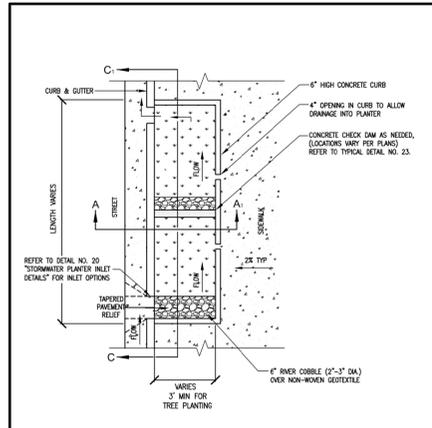
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 CLIENT PROJECT NUMBER: FC-4906D
 SHEET NUMBER: 033
 SHEET NUMBER: 33 OF 35

Jan 07, 2016 - 5:59pm - mmullen
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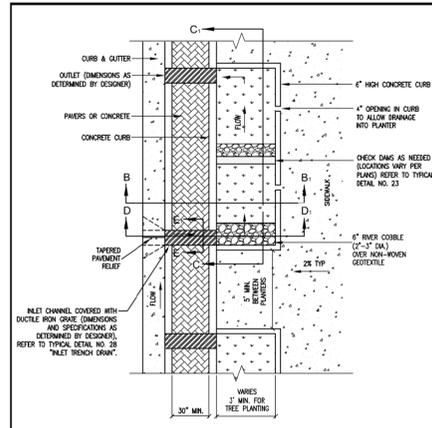
<p>BC/DHA A JOINT VENTURE</p> <p>990 HAMMOND DRIVE SUITE 400 ATLANTA, GEORGIA 30328</p>	<p>SUBMITTED: _____</p> <p>PROJECT MANAGER: _____</p> <p>DATE: 01/08/16</p> <p>APPROVED: _____</p> <p>BROWN AND CALDWELL</p> <p>DATE: _____</p>	<p>LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)</p> <p>DESIGNED: DHA</p> <p>DRAWN: V.O. WORD</p> <p>CHECKED: V.O. WORD</p> <p>CHECKED: W.C. DOUTY</p> <p>APPROVED: W.C. DOUTY</p>	<p>EXTERNAL REFERENCE FILES</p>	<table border="1"> <thead> <tr> <th>ZONE</th> <th>REV.</th> <th>DESCRIPTION</th> <th>BY</th> <th>DATE</th> <th>APP.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	ZONE	REV.	DESCRIPTION	BY	DATE	APP.																																																							<p>CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT</p> <p>BOONE BOULEVARD GREEN INFRASTRUCTURE & CAPACITY RELIEF PROJECT</p>	<p>COA TYPICAL DETAILS</p>	<p>FILENAME: 1957_TO_14_C501_COA_DETAILS.DWG</p> <p>CHA PROJECT NUMBER: 1957910 TO 14</p> <p>CLIENT PROJECT NUMBER: FC-4906D</p> <p>SHEET NUMBER: 034</p> <p>SHEET NUMBER: 34 OF 35</p>
	ZONE	REV.	DESCRIPTION	BY	DATE	APP.																																																													



NOTES:

- REFER TO TYPICAL DETAIL NO. 17 "STORMWATER PLANTER SECTIONS 1 OF 2" AND TYPICAL DETAIL NO. 19 "LONGITUDINAL SECTIONS FOR STORMWATER PLANTER SECTIONS 1 OF 2" FOR SECTION 1 OF 2 AND C-1.
- REFER TO TYPICAL DETAIL NO. 22 "STORMWATER PLANTER NOTES" FOR STORMWATER PLANTER DESIGN AND CONSTRUCTION REQUIREMENTS.

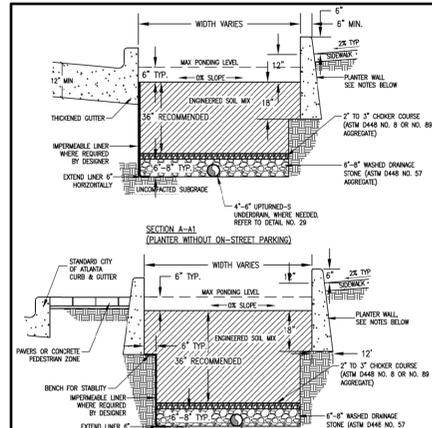
TYPICAL DETAILS	REV. 1 DATE: 2/17/15 ORG. DATE: 12/19/14 SCALE: N.T.S.
STORMWATER PLANTER WITH NO ON-STREET PARKING	DETAIL NO. 14



NOTES:

- REFER TO TYPICAL DETAILS NO. 17 AND NO. 18 "STORMWATER PLANTER SECTIONS" AND TYPICAL DETAIL NO. 19 "LONGITUDINAL SECTIONS FOR STORMWATER PLANTER SECTIONS 1 OF 2" FOR SECTION 1 OF 2 AND C-1.
- REFER TO TYPICAL DETAIL NO. 22 "STORMWATER PLANTER NOTES" FOR STORMWATER PLANTER DESIGN AND CONSTRUCTION REQUIREMENTS.

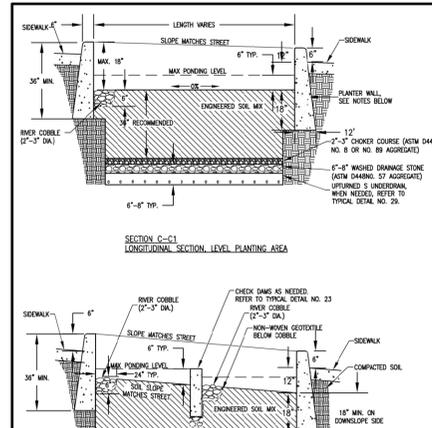
TYPICAL DETAILS	REV. 1 DATE: 2/17/15 ORG. DATE: 12/19/14 SCALE: N.T.S.
STORMWATER PLANTER WITH ON-STREET PARKING	DETAIL NO. 15



NOTES:

- PLANTER SHALL BE 3" MINIMUM DEPTH FOR PLANTERS AGAINST SIDEWALKS.
- SPECIAL DESIGN CONSIDERATIONS OR STRUCTURAL REINFORCEMENT MAY BE REQUIRED FOR LONGER PLANTER WALL SPANS. STEEL REINFORCEMENT OR ADDITIONAL CONCRETE CHECK DAMS MAY BE REQUIRED FOR STABILITY. REFER TO TYPICAL DETAIL NO. 23 "CONCRETE CHECK DAM".
- MINIMUM 12" BENCH FOR CURB AND 4" MINIMUM TO TOP OF CURB. WIDTH OF BOTTOM OF CURB SHALL VARY WITH HEIGHT.

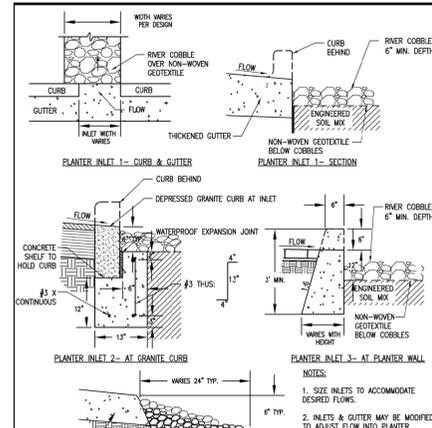
TYPICAL DETAILS	REV. 1 DATE: 2/17/15 ORG. DATE: 12/19/14 SCALE: N.T.S.
STORMWATER PLANTER SECTIONS 1 OF 2	DETAIL NO. 17



NOTES:

- SLOPES OF STREET AND SIDEWALK ALLOW PLANTERS SHALL BE BUILT WITH LEVEL PLANTING AREAS.
- PLANTER WALL SHALL BE 3" MINIMUM FOR PLANTERS AGAINST SIDEWALKS.
- SPECIAL DESIGN CONSIDERATIONS OR STRUCTURAL REINFORCEMENT MAY BE REQUIRED FOR LONGER PLANTER WALL SPANS. STEEL REINFORCEMENT OR ADDITIONAL CONCRETE CHECK DAMS MAY BE REQUIRED FOR STABILITY. REFER TO TYPICAL DETAIL NO. 23 "CONCRETE CHECK DAM".
- MINIMUM 12" BENCH FOR CURB AND 4" MINIMUM TO TOP OF CURB. WIDTH OF BOTTOM OF CURB SHALL VARY WITH HEIGHT.

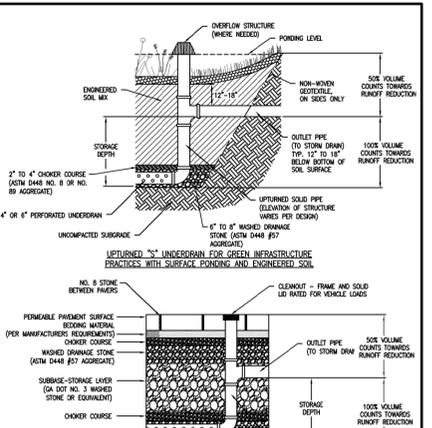
TYPICAL DETAILS	REV. 1 DATE: 2/17/15 ORG. DATE: 12/19/14 SCALE: N.T.S.
STORMWATER PLANTER LONGITUDINAL SECTIONS	DETAIL NO. 19



NOTES:

- SIZE INLETS TO ACCOMMODATE DESIRED FLOW.
- INLETS & GUTTERS MAY BE MODIFIED TO ADJUST FLOW INTO PLANTER.

TYPICAL DETAILS	REV. 1 DATE: 2/17/15 ORG. DATE: 12/19/14 SCALE: N.T.S.
STORMWATER PLANTER INLET DETAILS	DETAIL NO. 20



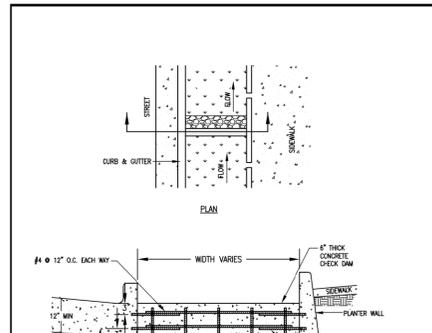
NOTES:

- UPTURNED "S" UNDERDRAIN FOR PERMEABLE PAVEMENT SYSTEMS.

TYPICAL DETAILS	REV. 1 DATE: 2/17/15 ORG. DATE: 12/19/14 SCALE: N.T.S.
UPTURNED "S" UNDERDRAIN (FOR SUBDRAINAGE)	DETAIL NO. 29

- NOTES FOR STORMWATER PLANTERS:
- WIDTH AND LENGTH OF EACH PLANTER SHALL BE BASED ON SITE CONDITIONS AND STORMWATER TREATMENT VOLUME.
 - LOCATE ALL UTILITIES PRIOR TO DESIGN. SITE CONDITIONS WILL VARY AND SIGNIFICANT DESIGN ADAPTATIONS MAY BE NEEDED TO ADDRESS UTILITY CONDITIONS, STEEP SLOPES, AND OTHER CONSTRAINTS.
 - IF SLOPE OF ROAD AND SIDEWALK ALLOW PLANTERS SHOULD BE BUILT WITH LEVEL PLANTING AREAS (SEE SLOPE LONGITUDINALLY) FOR MAXIMUM STORMWATER TREATMENT VOLUME.
 - LONGITUDINAL SLOPES OF CURBS SURROUNDING PLANTER SHALL MATCH ROADWAY. TOP SURFACE OF PLANTERS SHALL BE A MAXIMUM DEPTH OF 18" BELOW SURROUNDING CURB AT DEEPEST POINT.
 - CROSS SLOPES SHOULD ALWAYS BE AS CLOSE TO LEVEL AS POSSIBLE.
 - CURBS, GUTTERS, STREETS, AND SIDEWALKS SHALL CONFORM TO CITY OF ATLANTA STANDARDS.
 - PROVIDE ELEVATIONS AT ALL INLETS AND OUTLETS, AS WELL AS ALL SIDES OF STREET AND BOTTOM OF PLANTER.
 - SIDEWALK ELEVATION MUST BE HIGHER THAN MINIMUM FLOW OR POOL ELEVATION.
 - PLANTERS MUST BE ABLE TO WITHSTAND STORMWATER FLOWS WITHOUT EROSION OR OTHER DAMAGE. INLETS SHOULD BE SIZED AND CHECK DAMS USED TO ENSURE APPROPRIATE VELOCITIES.
 - ALL PLANTERS SHALL BE FULLY VEGETATED. SUGGESTED SPECIES CAN BE FOUND IN THE GEORGIA STORMWATER MANAGEMENT MANUAL, VOL. 2, APPENDIX F.
 - ALL VEGETATED AREAS MUST BE MULCHED WITH EITHER 2" TO 4" OF NON-FLAMMABLE ORGANIC MULCH (SUCH AS SHREDED HAYWOOD OR LEAF MULCH) OR STONE. STONE MULCH MAY BE NEEDED IN AREAS OF STORM FLOWS TO PREVENT EROSION. ALL PAVING ELEVATIONS SHOWN IN DETAILS ARE REFERRED TO BE MEASURED FROM TOP OF MULCH LAYER.
 - ENGINEERED SOIL MIX SHALL CONFORM TO PERFORMANCE STANDARDS DETAILED IN SPECIFICATIONS.
 - ENGINEERED SOIL MIX SHALL BE A MIN. OF 18" DEEP AT SHALLOWEST POINT. 36" DEPTH IS REQUIRED FOR PLANTING TREES.
 - UNDERDRAINS MAY BE REQUIRED UNLESS INFILTRATION TESTS IN SOILS AT BOTTOM OF PLANTER SHOW SATURATED INFILTRATION RATES OF GREATER THAN 1/2" PER HOUR (1 FOOT/HR).

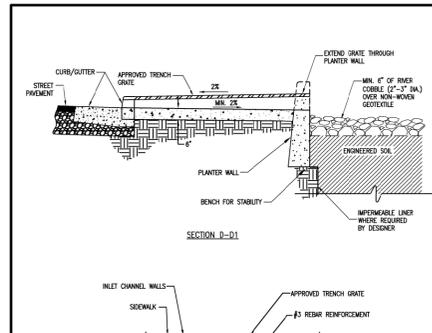
TYPICAL DETAILS	REV. 1 DATE: 2/17/15 ORG. DATE: 12/19/14 SCALE: N.T.S.
STORMWATER PLANTER NOTES	DETAIL NO. 22



NOTES:

- CONCRETE CHECK DAMS CAN BE USED IN LOCATIONS OTHER THAN STORMWATER PLANTERS WITH SUFFICIENT ANCHORING DEFINED BY THE DESIGNER.
- REFER TO TYPICAL DETAIL NO. 17 "STORMWATER PLANTER SECTIONS 1 OF 2" AND TYPICAL DETAIL NO. 19 "LONGITUDINAL SECTIONS FOR STORMWATER PLANTER SECTIONS 1 OF 2" FOR SECTION 1 OF 2 AND C-1.
- MASSORY MAY BE USED IN PLACE OF CONCRETE FOR CHECK DAM CONSTRUCTION.
- ENGINEER MUST CHECK DAM ELEVATIONS DO NOT CAUSE STORMWATER TO INUNDATE INTO SIDEWALK.
- CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 4,000 PSI AND AN EXPANSION OF 7X.
- DAMO REBAR 3" INTO CURB AND PLANTER WALL.
- SPECIFY REBAR OVERLAP LENGTH FOR CHECK DAMS THAT SPAN LONGER THAN 12". INSTALL REBAR PER ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, LATEST EDITION.

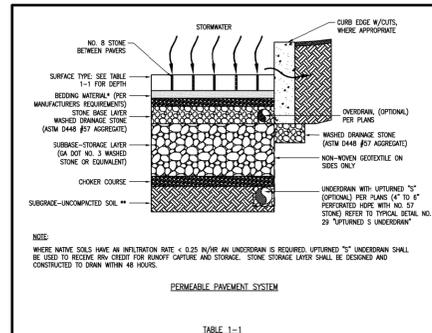
TYPICAL DETAILS	REV. 1 DATE: 2/17/15 ORG. DATE: 12/19/14 SCALE: N.T.S.
CONCRETE CHECK DAM (SHOWN IN STORMWATER PLANTER)	DETAIL NO. 23



NOTES:

- REFER TO TYPICAL DETAIL NO. 15 "STORMWATER PLANTER WITH ON-STREET PARKING" FOR SECTION CUTS.

TYPICAL DETAILS	REV. 1 DATE: 2/17/15 ORG. DATE: 12/19/14 SCALE: N.T.S.
INLET TRENCH DRAIN	DETAIL NO. 28



NOTES:

- SUBBASE DEPTH MUST EXCEED MANUFACTURER'S MINIMUM FOR TRAFFIC LOADING DESIGN. ADDITIONAL DEPTH FOR STORAGE IS NEEDED.
- TABLE 1-1 IS FOR STANDARD VEHICULAR LOADINGS.

SURFACE TYPE	SURFACE**	BEDDING MATERIAL	BASE	SUBBASE	CHOKER	UNDERDRAIN
PERVIOUS CONCRETE	4" TO 8"	N/A	4" MIN.	12" MIN.	2" TO 4"	4" TO 8"
INTERLOCKING PAVERS	MIN. 1.5"	2"	4" MIN.	12" MIN.	2" TO 4"	4" TO 8"

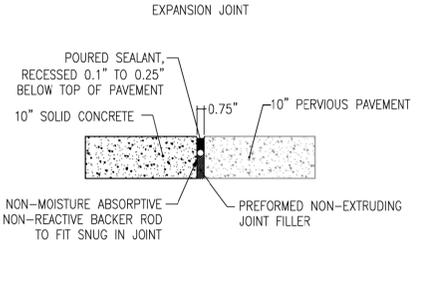
TYPICAL DETAILS	REV. 1 DATE: 2/17/15 ORG. DATE: 12/19/14 SCALE: N.T.S.
PERMEABLE PAVEMENT	DETAIL NO. 8

- NOTES:
- DIMENSIONS LISTED ARE MINIMUM. DESIGNER MUST VERIFY PAVEMENT DEPTH.
 - EXCAVATE AND GRADE SUBGRADE TO THE LINES AND GRADES INDICATED ON THE DRAWINGS. ENGINEER TO SPECIFY REQUIREMENTS BASED ON SITE CONDITIONS AND GEOTECHNICAL REPORT.
 - DURING EXCAVATION, HIGHLY MOISTURE SHALL NOT DRIE OVER EXPOSED UNDERLYING SOILS.
 - EXCAVATE IN DRY CONDITIONS AS MUCH AS PRACTICABLE.
 - USE TRACKED VEHICLES OR LOW GROUND PRESSURE VEHICLES.
 - EXCAVATE FINAL 4"-12" WITH TIE-IN OF SUBGRADE (DO NOT SMASH).
 - SUBGRADE SHALL BE SCARIFIED (NOT COMPACTED) PRIOR TO PLACEMENT CHOKER COURSE AND SUBBASE-STORAGE LAYER.
 - NO. 57 STONE BASE SHALL BE COMPACTED UNTIL THERE IS NO VISIBLE MOISTURE.
 - MINIMUM STONE BASE DEPTH = 4" WASHED DRAINAGE STONE (ASTM D448 #57 AGGREGATE) OR OTHER APPROVED MATERIAL.
 - UPTURNED "S" UNDERDRAIN SHALL BE USED TO RECEIVE RUN OFF FROM RUNOFF CAPTURE AND STORAGE. STONE STORAGE LAYER SHALL DRAW WITHIN 48 HOURS.
 - USE NON-WOVEN GEOTEXTILE ON SEEDS OF STONE SUB-BASE STORAGE LAYER.
 - PERMEABLE PAVEMENT SYSTEM MUST BE CLEARLY MARKED ON DEVELOPMENT PLAN AND A NOTE TO PROTECT WITH TEMPORARY CONSTRUCTION FENCING.
 - EXCAVATION MUST BE CONSTRUCTED TO SPECIFIED WIDTH AND DEPTH OF PERMEABLE PAVEMENT SYSTEM. STOCKPILED MATERIAL SHOULD BE CLEARLY STORED AWAY FROM EXCAVATION.
 - NATIVE SOILS ALONG BOTTOM OF THE PERMEABLE PAVEMENT SYSTEM SHALL BE TILLED OR SCARIFIED TO MINIMUM DEPTH OF 3"-4" PRIOR TO PLACEMENT OF CHOKER COURSE.
 - SPICES OF EXCAVATIONS MUST BE TRIMMED OF LARGE ROOTS THAT WILL IMPERILATION OF FILTER FABRIC ABOVE THE STONE STORAGE.
 - WHEN USING PORTLAND CEMENT PERVIOUS CONCRETE (PCC), THE PAVEMENT SHALL REMAIN COVERED FOR 7 DAYS DURING THE CURING PERIOD. NOT REQUIRED FOR PAVERS OR POROUS ASPHALT. DURING THIS TIME IT IS CRITICAL THAT ANY STORMWATER BE DIVERTED AWAY FROM THE PAVEMENT.
 - ADEQUATE EROSION CONTROL MUST BE PROVIDED. SEDIMENT LADEN STORMWATER SHALL NOT BE ALLOWED TO FLOW IN THE PERMEABLE PAVEMENT AREA.
 - NO MATCH OR LANDSCAPING STORAGE SHALL BE ALLOWED ON THE PAVEMENT AREAS.
 - PERMEABLE PAVEMENT MUST BE TESTED AFTER CONSTRUCTION, AFTER PLACEMENT AND APPROPRIATE CURING OF STRUCTURAL PAVEMENT SYSTEMS (2 DAYS FOR PERVIOUS CONCRETE AND 48 HOURS MINIMUM FOR POROUS ASPHALT). DETAILED COORDINATION SHALL BE REQUIRED BY THE CONTRACTOR FOR ALL UTILITIES.
 - INITIAL GUIDELINES FROM AGL AS FOLLOWS:
 - PLANTER WALLS MUST BE A MINIMUM OF 1" ABOVE GAS LINES.
 - GAS LINES MUST BE WRAPPED IN ROCKGUARD BENEATH THE PLANTER WALLS.
 - UNSUPPORTED GAS LINES CANNOT SPAN LONGER THAN 10'-0".

TYPICAL DETAILS	REV. 1 DATE: 2/17/15 ORG. DATE: 12/19/14 SCALE: N.T.S.
PERMEABLE PAVEMENT NOTES	DETAIL NO. 9

PERVIOUS PAVEMENT	BASEIN AREA (a.c)	IMPERV. AREA (a.c)	PERCENT IMPERV. (%)	R _{rv} (cu.ft.)
DA-01	0.507	0.487	95.99	1682.75
DA-02	0.502	0.489	97.45	1689.13
DA-03	0.512	0.507	98.98	1748.55
DA-04	0.500	0.495	99.01	1708.05
DA-05	0.171	0.169	99.01	583.61
DA-27	0.358	0.355	99.00	1223.78

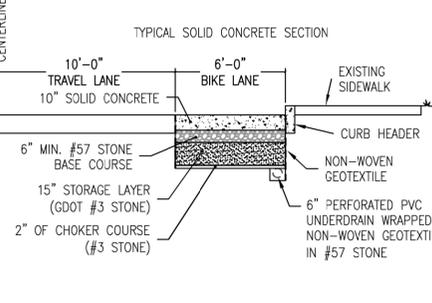
PLANTER No.	BASEIN AREA (a.c)	IMPERV. AREA (a.c)	PERCENT IMPERV. (%)	R _{rv} (cu.ft.)	REQUIRED SURFACE AREA (sq. ft.)
NORTH LANE					
DA-06	0.287	0.284	99.00	912.06	304.02
DA-07	0.112	0.111	99.00	384.16	128.05
DA-08	0.183	0.181	99.00	623.57	207.86
DA-09	0.169	0.167	99.00	576.36	192.12
DA-10	0.091	0.090	99.00	310.22	103.41
DA-11	0.200	0.198	99.00	684.50	228.17
DA-12	0.112	0.111	99.00	382.12	127.37
DA-13	0.100	0.099	99.00	340.17	113.39
DA-14	0.077	0.077	99.00	264.03	88.01
DA-15	0.256	0.253	99.00	873.01	291.00
DA-16	0.281	0.279	99.00	961.47	320.49
DA-17	0.282	0.279	99.00	962.80	320.93
DA-18	0.589	0.583	99.00	1941.91	647.30
DA-19	0.239	0.237	99.00	817.96	272.65
DA-20	0.193	0.191	99.00	659.01	219.67
DA-21	0.426	0.422	99.00	1455.49	485.16
DA-22	0.249	0.246	99.00	848.86	282.95
DA-23	0.279	0.274	98.07	944.40	314.80
DA-24	0.294	0.291	99.00	1005.07	335.02
DA-25	0.258	0.255	99.00	880.31	293.44
DA-26	0.220	0.218	99.00	751.62	250.54
DA-28	0.448	0.444	99.00	1531.48	510.49



CONCRETE NOTES:

- CONTRACTOR SHALL VERIFY LOAD CAPACITY OF PERVIOUS CONCRETE DURING 100% DESIGN.
- CONTRACTOR SHALL DESIGN A SERIES OF CHECK DAMS OR BAFFLES IN STORAGE LAYER TO MAXIMIZE STORMWATER VOLUME STORAGE IN THE SYSTEM BASED ON EXISTING ROAD GRADES.
- CONTRACTOR SHALL INSTALL EXPANSION JOINTS BETWEEN PERVIOUS CONCRETE AND SOLID CONCRETE.
- CONTRACTOR SHALL INSTALL CONTRACTION JOINTS AT EVERY 10'.

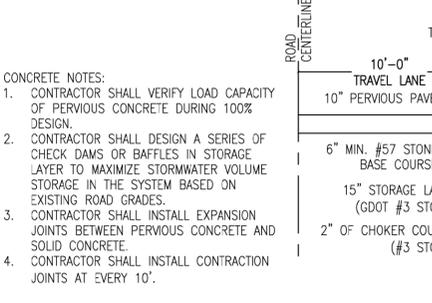
TYPICAL DETAILS	REV. 1 DATE: 2/17/15 ORG. DATE: 12/19/14 SCALE: N.T.S.
EXPANSION JOINT	DETAIL NO. 24



CONCRETE NOTES:

- CONTRACTOR SHALL VERIFY LOAD CAPACITY OF PERVIOUS CONCRETE DURING 100% DESIGN.
- CONTRACTOR SHALL DESIGN A SERIES OF CHECK DAMS OR BAFFLES IN STORAGE LAYER TO MAXIMIZE STORMWATER VOLUME STORAGE IN THE SYSTEM BASED ON EXISTING ROAD GRADES.
- CONTRACTOR SHALL INSTALL EXPANSION JOINTS BETWEEN PERVIOUS CONCRETE AND SOLID CONCRETE.
- CONTRACTOR SHALL INSTALL CONTRACTION JOINTS AT EVERY 10'.

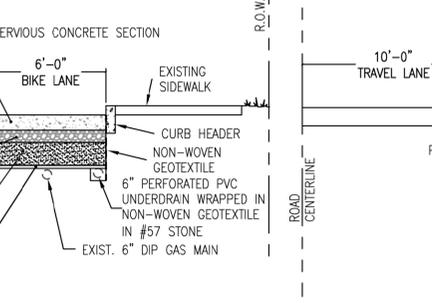
TYPICAL DETAILS	REV. 1 DATE: 2/17/15 ORG. DATE: 12/19/14 SCALE: N.T.S.
TYPICAL SOLID CONCRETE SECTION	DETAIL NO. 25



CONCRETE NOTES:

- CONTRACTOR SHALL VERIFY LOAD CAPACITY OF PERVIOUS CONCRETE DURING 100% DESIGN.
- CONTRACTOR SHALL DESIGN A SERIES OF CHECK DAMS OR BAFFLES IN STORAGE LAYER TO MAXIMIZE STORMWATER VOLUME STORAGE IN THE SYSTEM BASED ON EXISTING ROAD GRADES.
- CONTRACTOR SHALL INSTALL EXPANSION JOINTS BETWEEN PERVIOUS CONCRETE AND SOLID CONCRETE.
- CONTRACTOR SHALL INSTALL CONTRACTION JOINTS AT EVERY 10'.

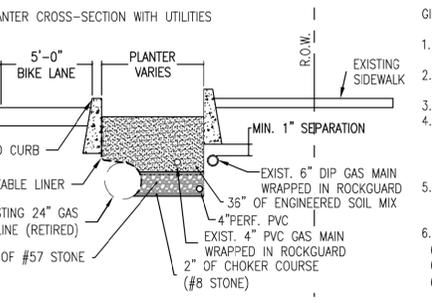
TYPICAL DETAILS	REV. 1 DATE: 2/17/15 ORG. DATE: 12/19/14 SCALE: N.T.S.
TYPICAL PERVIOUS CONCRETE SECTION	DETAIL NO. 26



CONCRETE NOTES:

- CONTRACTOR SHALL VERIFY LOAD CAPACITY OF PERVIOUS CONCRETE DURING 100% DESIGN.
- CONTRACTOR SHALL DESIGN A SERIES OF CHECK DAMS OR BAFFLES IN STORAGE LAYER TO MAXIMIZE STORMWATER VOLUME STORAGE IN THE SYSTEM BASED ON EXISTING ROAD GRADES.
- CONTRACTOR SHALL INSTALL EXPANSION JOINTS BETWEEN PERVIOUS CONCRETE AND SOLID CONCRETE.
- CONTRACTOR SHALL INSTALL CONTRACTION JOINTS AT EVERY 10'.

TYPICAL DETAILS	REV. 1 DATE: 2/17/15 ORG. DATE: 12/19/14 SCALE: N.T.S.
PLANTER CROSS-SECTION WITH UTILITIES	DETAIL NO. 27



CONCRETE NOTES:

- CONTRACTOR SHALL VERIFY LOAD CAPACITY OF PERVIOUS CONCRETE DURING 100% DESIGN.
- CONTRACTOR SHALL DESIGN A SERIES OF CHECK DAMS OR BAFFLES IN STORAGE LAYER TO MAXIMIZE STORMWATER VOLUME STORAGE IN THE SYSTEM BASED ON EXISTING ROAD GRADES.
- CONTRACTOR SHALL INSTALL EXPANSION JOINTS BETWEEN PERVIOUS CONCRETE AND SOLID CONCRETE.
- CONTRACTOR SHALL INSTALL CONTRACTION JOINTS AT EVERY 10'.

TYPICAL DETAILS	REV. 1 DATE: 2/17/15 ORG. DATE: 12/19/14 SCALE: N.T.S.
PERMEABLE PAVEMENT NOTES	DETAIL NO. 9

- GI TYPICAL DETAILS NOTES:
- CONTRACTOR SHALL LOCATE CHECK DAMS IN THE STORMWATER PLANTERS BASED ON EXISTING ROAD GRADES IN ORDER TO MAXIMIZE STORMWATER TREATMENT VOLUME.
 - CONTRACTOR SHALL DEVISE IDENTIFICATION SYSTEM FOR EACH STORMWATER PLANTER BOX. ALL BOXES SHALL BE IMPRINTED WITH ID NUMBER IN A VISIBLE LOCATION.
 - UNDERDRAINS SHALL BE PLACED ALONG THE FRONT OR BACK OF PLANTERS.
 - CONTRACTOR SHALL PROVIDE AS-BUILT CHART FOR PLANTER BOXES CONTAINING: PLANTER BOX ID NUMBER, LOCATION (SIDE OF ROAD AND ROAD STATION), DEPTH OF PLANTER BOX, AND DESCRIPTION OF UTILITIES LOCATED INSIDE PLANTER (UTILITY TYPE, DEPTH, SIZE, MATERIAL).
 - DUE TO PROXIMITY OF GAS LINES, INITIAL COORDINATION WITH AGL HAS BEEN PERFORMED WITH ERIK LOMBARD AND JERROLD DEWBERRY. DETAILED COORDINATION SHALL BE REQUIRED BY THE CONTRACTOR FOR ALL UTILITIES.
 - INITIAL GUIDELINES FROM AGL AS FOLLOWS:
 - PLANTER WALLS MUST BE A MINIMUM OF 1" ABOVE GAS LINES.
 - GAS LINES MUST BE WRAPPED IN ROCKGUARD BENEATH THE PLANTER WALLS.
 - UNSUPPORTED GAS LINES CANNOT SPAN LONGER THAN 10'-0".

BC/DHA A JOINT VENTURE
 990 HAMMOND DRIVE SUITE 400 ATLANTA, GEORGIA 30328

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT
 BOONE BOULEVARD GREEN INFRASTRUCTURE & CAPACITY RELIEF PROJECT

FILENAME: 1967_TO_14_C501_GI_DETAILS.DWG
 CHA PROJECT NUMBER: 1957910 TO 14
 CLIENT PROJECT NUMBER: FC-4906D
 SHEET NUMBER: 035 OF 35