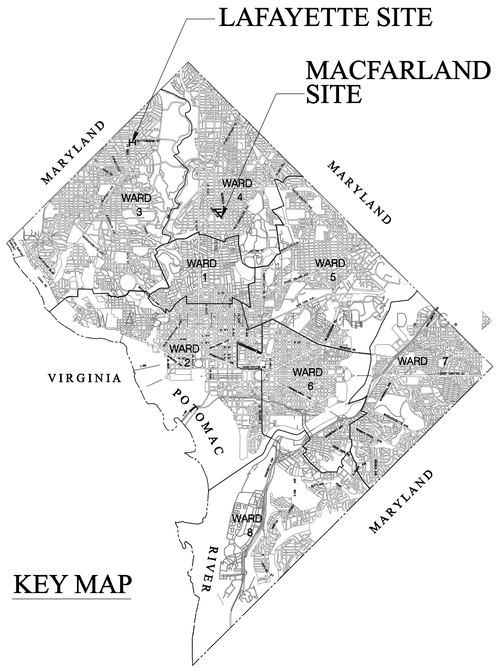
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	RIVERS, STRMWA	1	22



KEY MAP

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED

RIVERSMART WASHINGTON

MACFARLAND SITE & LAFAYETTE SITE

PROJECT NO. RIVERS, STRMWA

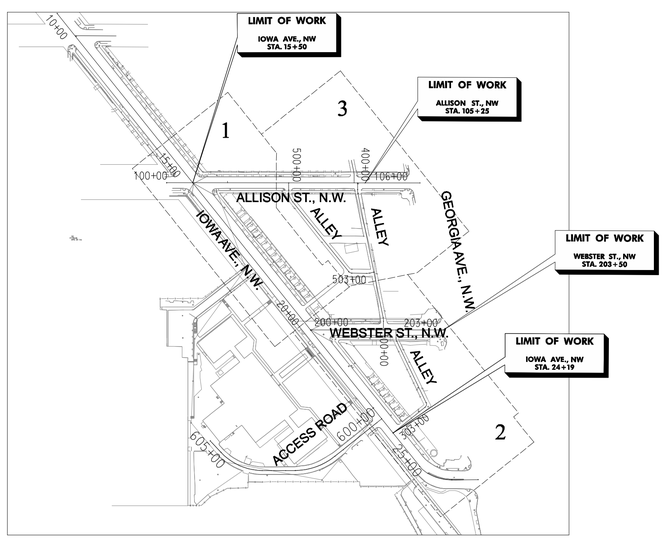
RESURFACING = 0,000 FT = 0.00 MILES
UPGRADE = 0,000 FT = 0.00 MILES
RECONSTRUCTION = 0,000 FT = 0.00 MILES

LENGTH OF PROJECT = 0,000 FT = 0.00 MILES

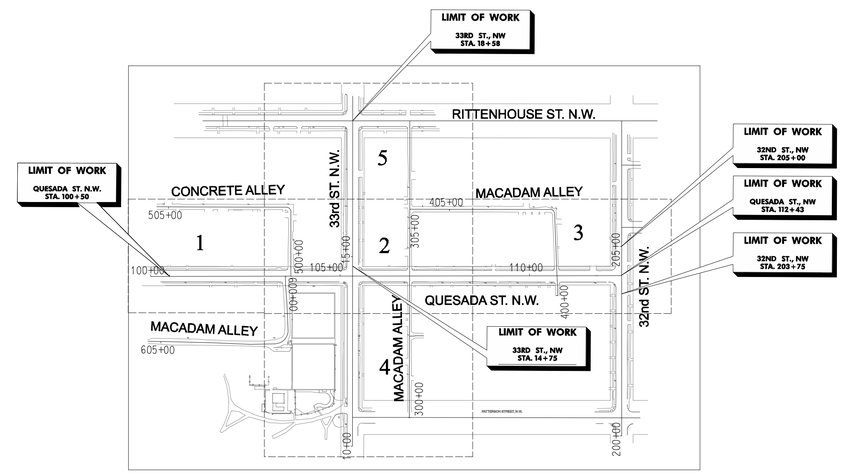
INDEX OF DRAWINGS

TITLE SHEET	
STANDARD SYMBOLS AND ABBREVIATION	AB-1
MACFARLAND GEOMETRIC LAYOUT	GS-1
LAFAYETTE GEOMETRIC LAYOUT	GS-2
MACFARLAND SURVEY OF EXISTING CONDITIONS	EC-1 TO 3
LAFAYETTE SURVEY OF EXISTING CONDITIONS	EC-4 TO 8
MACFARLAND PAVING AND GRADING PLAN	PG-1 TO 3
LAFAYETTE PAVING AND GRADING PLAN	PG-4 TO 8
MACFARLAND DRAINAGE AREA PLAN	DA-1
LAFAYETTE DRAINAGE AREA PLAN	DA-2

TRAFFIC DATA		
CONTROL OF ACCESS	IOWA	QUESADA
ADT (2009)	2200	-
ADT (2030)	3000	-
DHV (2030)	-	-
DISTRIBUTION	-	-
TRUCKS	-	-
POSTED V	15	25
DESIGN V	25	25
FUNCTIONAL CLASSIFICATION=	COLLECTOR	LOCAL



MACFARLAND SITE
LOCATION MAP
1" = 200'



LAFAYETTE SITE
LOCATION MAP
1" = 200'

30% PROGRESS PLAN SET

AECOM

DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION	DEPT. OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION
RECOMMENDED FOR APPROVAL:	APPROVED:
PROGRAM MANAGER IPMA /CHIEF, IPMA SUPPORT DIVISION	DIVISION ADMINISTRATOR
APPROVED:	
CHIEF TRANSPORTATION ENGINEER	
TRANSPORTATION POLICY AND PLANNING ADMINISTRATION	
TRAFFIC SERVICES ADMINISTRATION	
DATE:	DATE:

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REG	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	D.C.	RIVERS, STRMWA FEDERAL AID PROJECT NO. –	2	22

LEGEND:

- SEWER MANHOLE
- STORM DRAIN MANHOLE
- WATER MANHOLE
- UTILITY POLE
- GUY WIRE
- CO — CLEANOUT
- WM — WATER METER
- GV — GATE VALVE
- FIRE HYDRANT
- WV — WATER VALVE
- V — TEST VALVE
- SPIGET
- LAMP POST
- GROUND LIGHT
- E — ELECTRICAL BOX
- J — JUNCTION BOX
- CIRCUIT BREAKER
- FOUNTAIN
- BOLLARD
- SIGNBOARD
- TRAVERSE / FLY
- MAIL BOX
- GATE
- T — TELEPHONE BOX
- MONITORING WELL
- E — ELECTRICAL MANHOLE
- T — TELEPHONE MANHOLE
- U — UNIDENFIED MANHOLE
- TREE
- B–128 — BORING LOCATION

- PROPERTY LINE
- CONCRETE CURB
- CENTERLINE OF PAVEMENT
- SD — UNDERGROUND STORM DRAIN LINE
- SAN — UNDERGROUND SEWER LINE
- G — UNDERGROUND GAS LINE
- W — UNDERGROUND WATER LINE
- COM — UNDERGROUND COMMUNICATION LINE
- E — UNDERGROUND ELECTRIC LINE
- GUARD RAIL
- CHAIN LINK FENCE
- WOOD FENCE
- WOODS LINE
- DRAINAGE AREA

ABBREVIATION:

TRV	TRAVERSE
SDMH	STORM DRAIN MANHOLE
SMH	SEWER MANHOLE
C/CURB	CONCRETE CURB
G/CURB	GRANITE CURB
P/VAULT	PEPCO VAULT
U/VAULT	UTILITY VAULT
C/STEP	CONCRETE STEP
B/STEP	BRICK STEP
C/S-WALK	CONCRETE SIDE WALK
C/S-WALK	CONCRETE SIDE WALK
C/WALK	CONCRETE WALK
C/APRON	CONCRETE APRON
C/PAD	CONCRETE PAD
CONC	CONCRETE
S/PIPE	STAND PIPE
E/BOX	ELECTRICAL BOX
C/PAD	CONCRETE PAD
COMM	COMMUNICATION
HCR	HANDICAP RAMP
SS	SANITARY SEWER
SD	STORM DRAIN
TC	TOP OF CURB
CL	CENTERLINE
MAC	MACADAM
T/BOX	TRAFFIC BOX
TRB	TRAFFIC BOX

AB–1 OF 1

CROSS REFERENCES

ROADWAY GEOMETRY		CURB FILLET PROFILES	
EXISTING CONDITIONS		PLANTING PLANS	
PAVEMENT REMOVAL		DRAINAGE PLANS	
TYPICAL SECTIONS			
SUPERELEVATION DATA			
GORE DETAILS			
INTERSECTION DETAIL			
ROADWAY PROFILES			

NO	DESCRIPTION	NAME	DATE

REVISIONS

AECOM

30% PROGRESS PLAN SET
NOT FOR CONSTRUCTION

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

RIVERSMART WASHINGTON

STANDARD SYMBOLS & ABBREVIATION

PROJECT ENG. ____
DESIGNED BY HN
CHECKED BY MH
DRAWN BY AKP
PROJECT MGR. ____

DIVISION CHIEF
DATE ____
FILE ____
SHEET 2 OF 22

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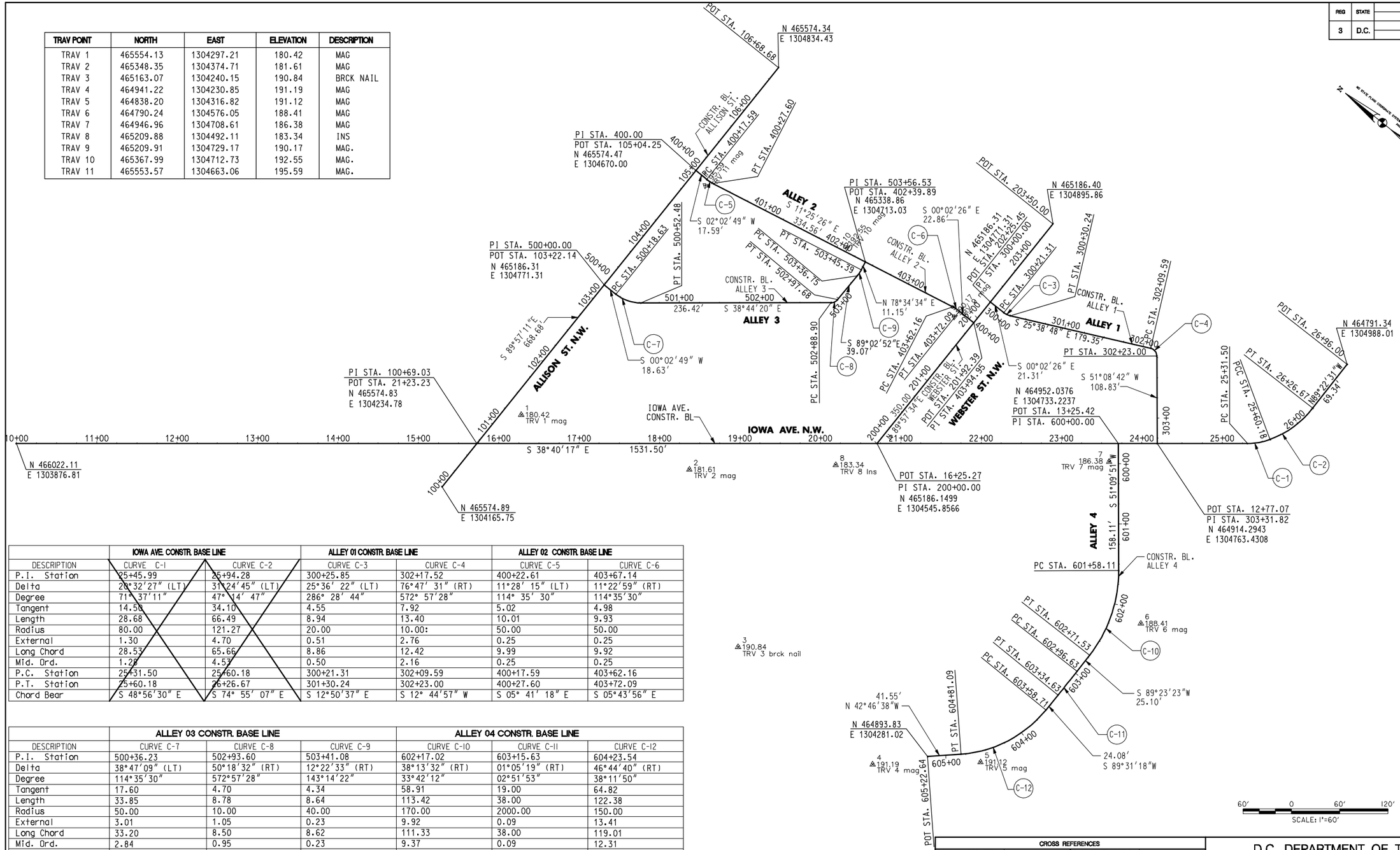
Friday, January 13, 2012 AT 07:27 PM

REG	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	D.C.	RIVERS, STRMWA	3	21
		FEDERAL AID PROJECT NO. –		

TRAV POINT	NORTH	EAST	ELEVATION	DESCRIPTION
TRAV 1	465554.13	1304297.21	180.42	MAG
TRAV 2	465348.35	1304374.71	181.61	MAG
TRAV 3	465163.07	1304240.15	190.84	BRCK NAIL
TRAV 4	464941.22	1304230.85	191.19	MAG
TRAV 5	464838.20	1304316.82	191.12	MAG
TRAV 6	464790.24	1304576.05	188.41	MAG
TRAV 7	464946.96	1304708.61	186.38	MAG
TRAV 8	465209.88	1304492.11	183.34	INS
TRAV 9	465209.91	1304729.17	190.17	MAG.
TRAV 10	465367.99	1304712.73	192.55	MAG.
TRAV 11	465553.57	1304663.06	195.59	MAG.



	IOWA AVE. CONSTR. BASE LINE		ALLEY 01 CONSTR. BASE LINE		ALLEY 02 CONSTR. BASE LINE	
DESCRIPTION	CURVE C-1	CURVE C-2	CURVE C-3	CURVE C-4	CURVE C-5	CURVE C-6
P.I. Station	25+45.99	25+94.28	300+25.85	302+17.52	400+22.61	403+67.14
Delta	28°32'27" (LT)	31°24'45" (LT)	25°36' 22" (LT)	76°47' 31" (RT)	11°28' 15" (LT)	11°22'59" (RT)
Degree	71° 37'11"	47° 14' 47"	286° 28' 44"	572° 57'28"	114° 35' 30"	114°35'30"
Tangent	14.50	34.10	4.55	7.92	5.02	4.98
Length	28.68	66.49	8.94	13.40	10.01	9.93
Radius	80.00	121.27	20.00	10.00:	50.00	50.00
External	1.30	4.70	0.51	2.76	0.25	0.25
Long Chord	28.53	65.66	8.86	12.42	9.99	9.92
Mid. Ord.	1.28	4.53	0.50	2.16	0.25	0.25
P.C. Station	25+31.50	25+60.18	300+21.31	302+09.59	400+17.59	403+62.16
P.T. Station	25+60.18	26+26.67	301+30.24	302+23.00	400+27.60	403+72.09
Chord Bear	S 48°56'30" E	S 74° 55' 07" E	S 12°50'37" E	S 12° 44'51" W	S 05° 41' 18" E	S 05°43'56" E

	ALLEY 03 CONSTR. BASE LINE			ALLEY 04 CONSTR. BASE LINE		
DESCRIPTION	CURVE C-7	CURVE C-8	CURVE C-9	CURVE C-10	CURVE C-11	CURVE C-12
P.I. Station	500+36.23	502+93.60	503+41.08	602+17.02	603+15.63	604+23.54
Delta	38°47'09" (LT)	50°18'32" (RT)	12°22'33" (RT)	38°13'32" (RT)	01°05'19" (RT)	46°44'40" (RT)
Degree	114°35'30"	572°57'28"	143°14'22"	33°42'12"	02°51'53"	38°11'50"
Tangent	17.60	4.70	4.34	58.91	19.00	64.82
Length	33.85	8.78	8.64	113.42	38.00	122.38
Radius	50.00	10.00	40.00	170.00	2000.00	150.00
External	3.01	1.05	0.23	9.92	0.09	13.41
Long Chord	33.20	8.50	8.62	111.33	38.00	119.01
Mid. Ord.	2.84	0.95	0.23	9.37	0.09	12.31
P.C. Station	500+18.63	502+88.90	503+36.75	601+58.11	602+96.63	603+58.71
P.T. Station	500+52.48	502+97.68	500+45.51	601+71.53	603+34.63	604+81.09
Chord Bear	S 19°20'45" E	S 63°53'36" E	N 84°45'51" E	S 70°16'37" W	S 89°56'03" W	N 66°08'58" W

CROSS REFERENCES			
ROADWAY GEOMETRY		CURB FILLET PROFILES	
EXISTING CONDITIONS		PLANTING PLANS	
PAVEMENT REMOVAL		DRAINAGE PLANS	
TYPICAL SECTIONS			
SUPERELEVATION DATA			
GORE DETAILS			
INTERSECTION DETAIL			
ROADWAY PROFILES			

NO.	DESCRIPTION	NAME	DATE

REVISIONS

GS-1 OF 2

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

RIVERSMART WASHINGTON

MACFARLAND
GEOMETRIC LAYOUT PLAN

PROJECT ENG. SH
DESIGNED BY AKP
CHECKED BY MH
DRAWN BY AKP
PROJECT MGR. MN

DIVISION CHIEF
DATE
FILE
SHEET 3 OF 21

AECOM

30% PROGRESS PLAN SET
NOT FOR CONSTRUCTION

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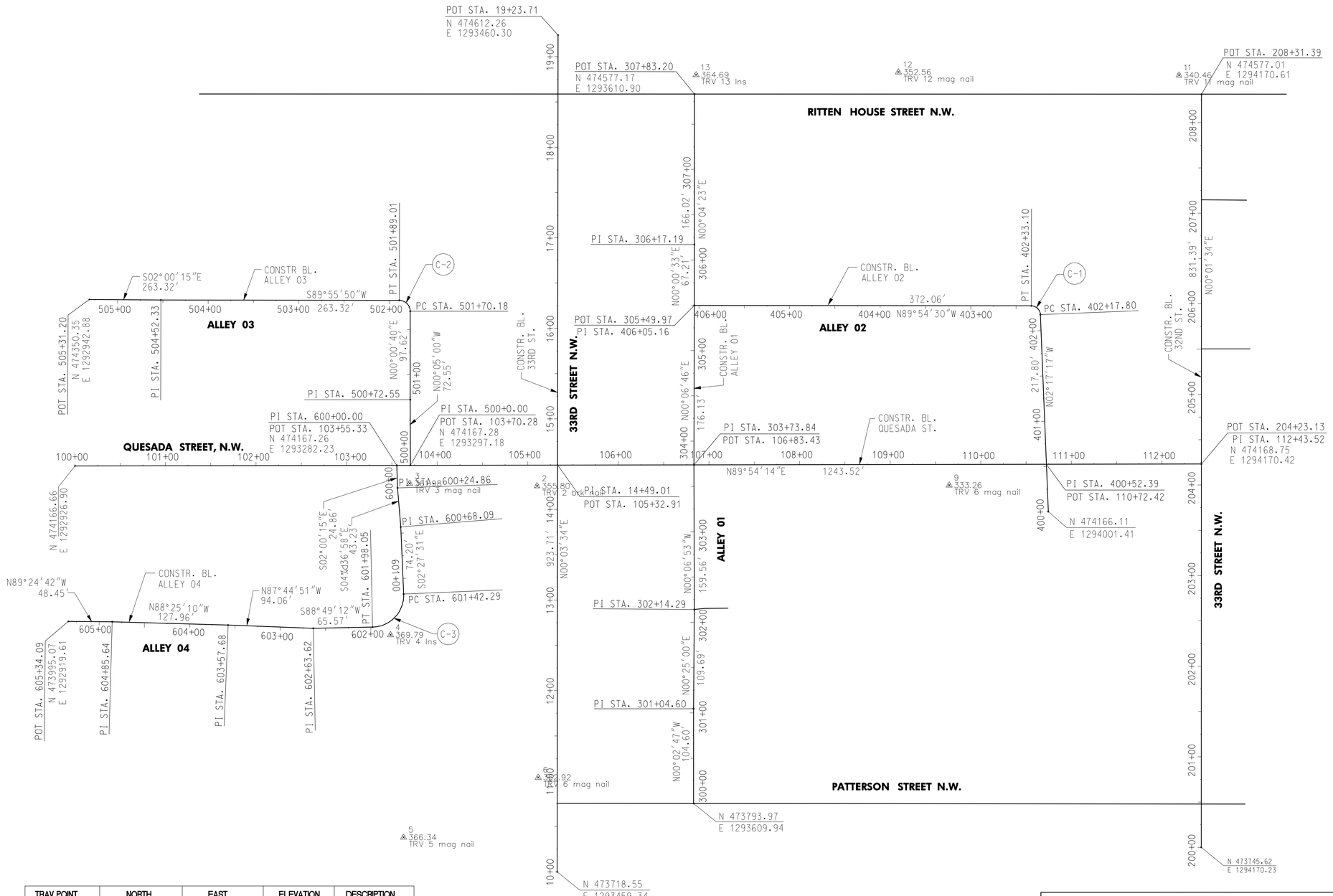
Friday, January 13, 2012 AT 07:27 PM

REG	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	D.C.	RIVERS, STRMWA	4	22
		FEDERAL AID PROJECT NO. –		



CURVE C-1

P.I. Station	: 402+27.40
Delta	: 87°37' 13" (LT)
Degree	: 572° 57' 28"
Tangent	: 9.59
Length	: 15.29
Radius	: 10.00
External	: 3.86
Long Chord	: 13.85
Mid. Ord.	: 2.78
P.C. Station	: 402+17.80
P.T. Station	: 402+33.10
Chord Bear	: N 46° 05' 53" W

CURVE C-2

P.I. Station	: 501+82.16
Delta	: 89°55'10" (LT)
Degree	: 477° 27' 53"
Tangent	: 11.98
Length	: 18.83
Radius	: 12.00
External	: 4.96
Long Chord	: 16.96
Mid. Ord.	: 3.51
P.C. Station	: 501+70.18
P.T. Station	: 501+89.01
Chord Bear	: N44°58'15"W

CURVE C-3

P.I. Station	: 601+78.06
Delta	: 91°16' 43" (LT)
Degree	: 163° 42' 08"
Tangent	: 35.79
Length	: 55.00
Radius	: 35.00
External	: 15.06
Long Chord	: 50.05
Mid. Ord.	: 10.53
P.C. Station	: 601+42.27
P.T. Station	: 601+98.02
Chord Bear	: S 43° 10' 51" W

60' 0 60' 120'
SCALE: 1"=60'

TRAV POINT	NORTH	EAST	ELEVATION	DESCRIPTION
TRAV 1.	474148.0330.	1293615.6885	346.16	–
TRAV 2.	474144.5500	1293437.0935	355.80	BRK NAIL
TRAV 3.	474151.9767	1293285.3332	361.98	MAG NAIL
TRAV 4.	473980.2269	1293275.3599	369.79	INS
TRAV 5.	473756.6911	1293289.7422	366.34	MAG NAIL
TRAV 6.	473822.8625	1293438.3558	362.92	MAG NAIL
TRAV 9	474145.4199	1293892.0522	333.26	MAG NAIL
TRAV 10	474148.0976	1294149.1514	328.45	MAG NAIL
TRAV 11	474598.0375	1294145.7907	340.46	MAG NAIL
TRAV 12.	474601.4859	1293836.0281	352.56	MAG NAIL
TRAV 13	474598.4157	1293612.6495	364.69	INS

30% PROGRESS PLAN SET
NOT FOR CONSTRUCTION

AECOM

CROSS REFERENCES			
ROADWAY GEOMETRY		CURB FILLET PROFILES	
EXISTING CONDITIONS		PLANTING PLANS	
PAVEMENT REMOVAL		DRAINAGE PLANS	
TYPICAL SECTIONS			
SUPERELEVATION DATA			
GORE DETAILS			
INTERSECTION DETAIL			
ROADWAY PROFILES			

NO.	DESCRIPTION	NAME	DATE

REVISIONS

GS-2 OF 2

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

RIVERSMART WASHINGTON

LAFAYETTE
GEOMETRIC LAYOUT PLAN

PROJECT ENG. SR
DESIGNED BY AKP
CHECKED BY MH
DRAWN BY AKP
PROJECT MGR. HN

DIVISION CHIEF
DATE
FILE
SHEET 4 OF 22

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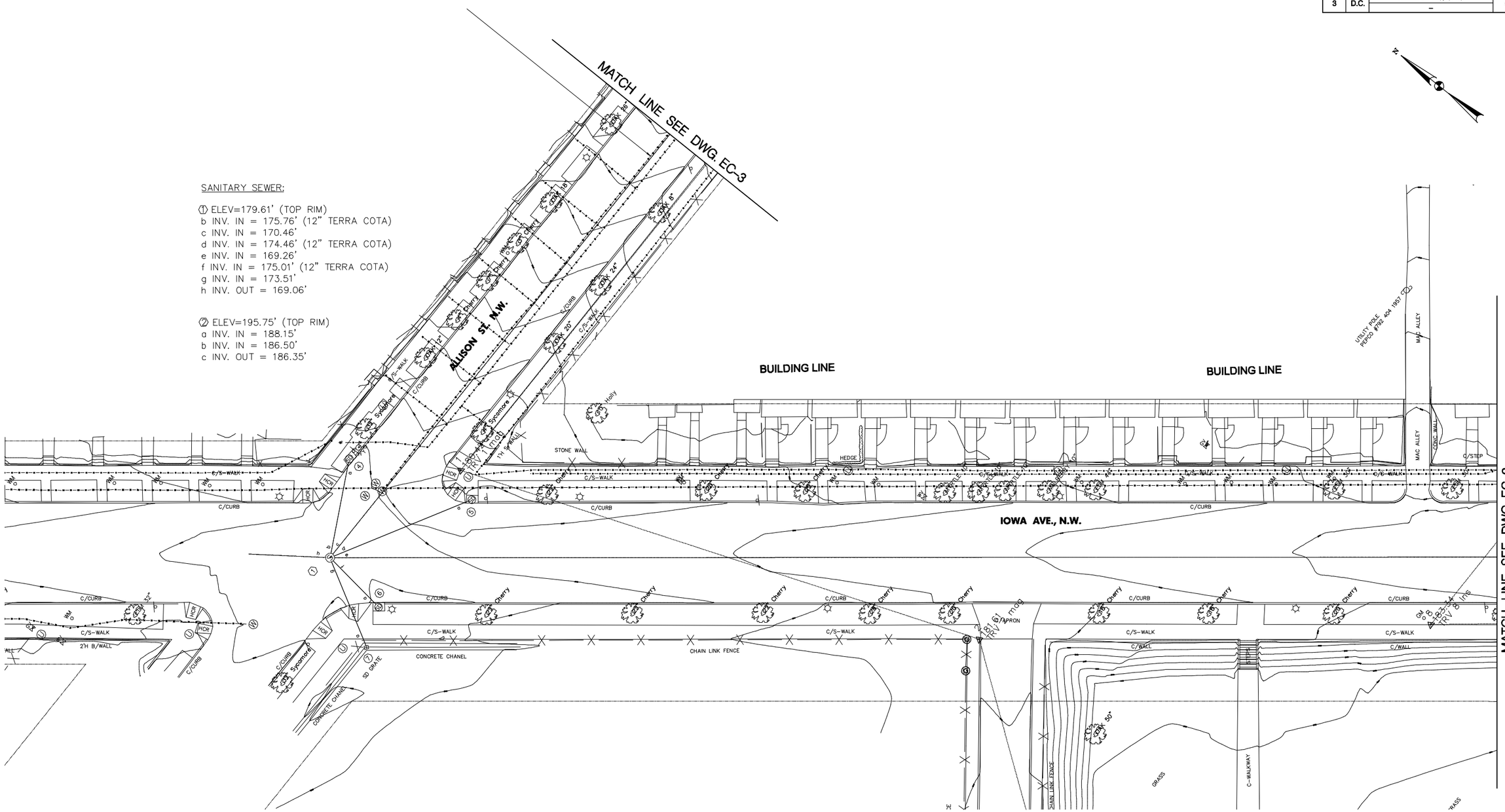
Friday, January 13, 2012 AT 07:24 PM

REG	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	D.C.	RIVERS, STRMWA	5	22
		FEDERAL AID PROJECT NO. –		

SANITARY SEWER:

① ELEV=179.61' (TOP RIM)
b INV. IN = 175.76' (12" TERRA COTA)
c INV. IN = 170.46'
d INV. IN = 174.46' (12" TERRA COTA)
e INV. IN = 169.26'
f INV. IN = 175.01' (12" TERRA COTA)
g INV. IN = 173.51'
h INV. OUT = 169.06'

② ELEV=195.75' (TOP RIM)
a INV. IN = 188.15'
b INV. IN = 186.50'
c INV. OUT = 186.35'



EC-1 OF 8

NOTES:

1. VERTICAL DATUM IS NAVD88, ESTABLISHED BY GLOBAL POSITIONING SYSTEM.

2. HORIZONTAL DATUM IS THE MARYLAND STATE PLANE CO-ORDINATE SYSTEM (NAD83), ESTABLISHED BY GLOBAL POSITIONING SYSTEM.

3. THE BOUNDARY LINES SHOWN ARE APPROXIMATE ONLY THIS SURVEY DOES NOT CONSTITUTE A BOUNDARY SURVEY.

4. CONTOUR INTERVAL = ONE FOOT

20' 0 20' 40'
SCALE: 1" = 20'

30% PROGRESS PLAN SET
NOT FOR CONSTRUCTION

AECOM

CROSS REFERENCES			
ROADWAY GEOMETRY		CURB FILLET PROFILES	
EXISTING CONDITIONS		PLANTING PLANS	
PAVEMENT REMOVAL		DRAINAGE PLANS	
TYPICAL SECTIONS			
SUPERELEVATION DATA			
GORE DETAILS			
INTERSECTION DETAIL			
ROADWAY PROFILES			

NO	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

RIVERSMART WASHINGTON

MACFARLAND
SURVEY OF EXISTING CONDITIONS PLAN 1

PROJECT ENG. SR
DESIGNED BY HN
CHECKED BY MH
DRAWN BY AKP
PROJECT MGR. HN

DIVISION CHIEF
DATE
FILE
SHEET 5 OF 22

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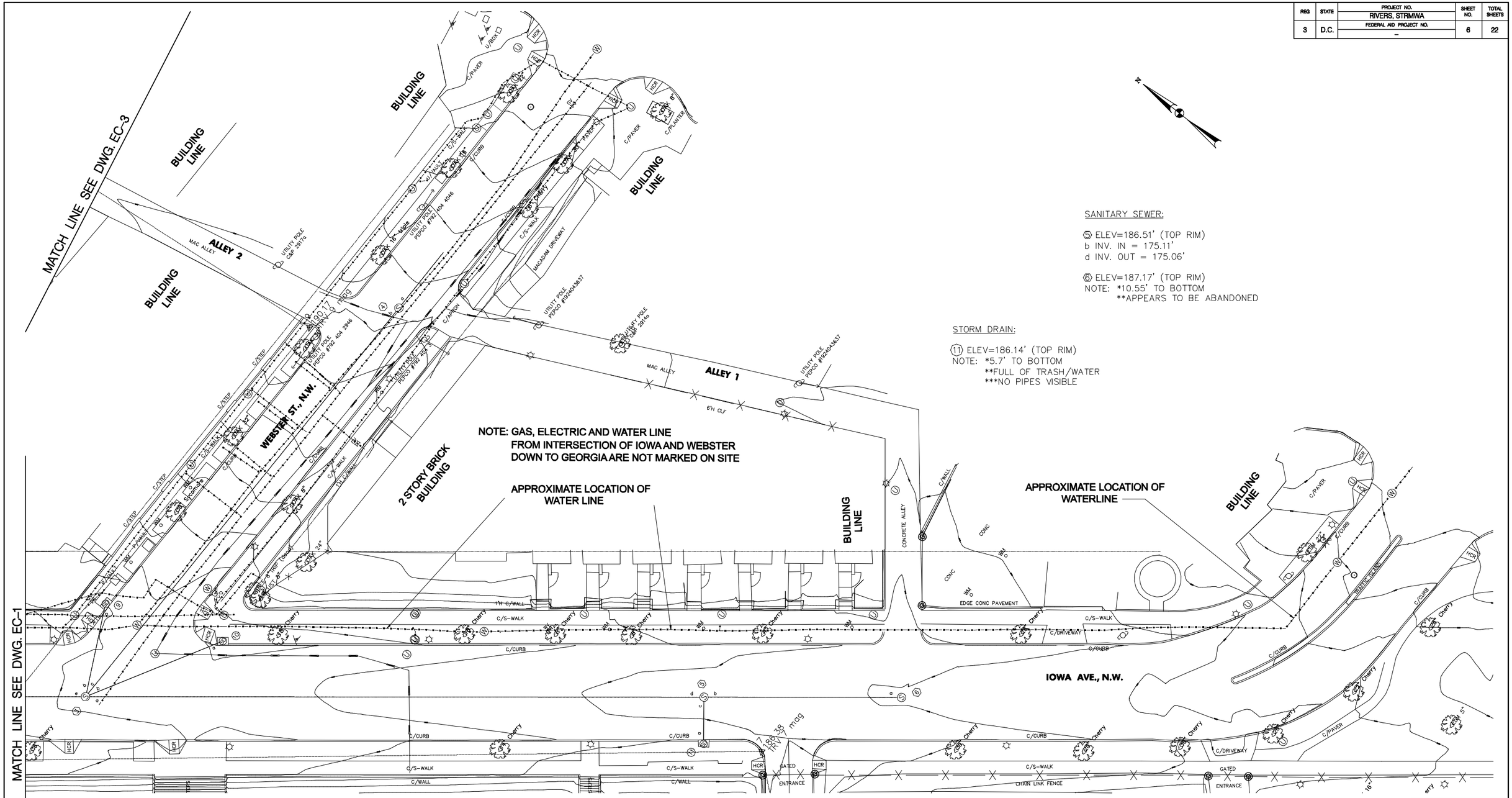
Friday, January 13, 2012 AT 07:27 PM

REG	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	D.C.	RIVERS, STRMWA	6	22
		FEDERAL AID PROJECT NO. –		



SANITARY SEWER:

(5) ELEV=186.51' (TOP RIM)
b INV. IN = 175.11'
d INV. OUT = 175.06'

(6) ELEV=187.17' (TOP RIM)
NOTE: *10.55' TO BOTTOM
**APPEARS TO BE ABANDONED

STORM DRAIN:

(11) ELEV=186.14' (TOP RIM)
NOTE: *5.7' TO BOTTOM
**FULL OF TRASH/WATER
***NO PIPES VISIBLE

EC-2 OF 8

NOTES:

1. VERTICAL DATUM IS NAVD88, ESTABLISHED BY GLOBAL POSITIONING SYSTEM.

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3. THE BOUNDARY LINES SHOWN ARE APPROXIMATE ONLY THIS SURVEY DOES NOT CONSTITUTE A BOUNDARY SURVEY.

4. CONTOUR INTERVAL = ONE FOOT

20' 0 20' 40'
SCALE: 1" = 20'

30% PROGRESS PLAN SET
NOT FOR CONSTRUCTION

AECOM

CROSS REFERENCES			
ROADWAY GEOMETRY		CURB FILLET PROFILES	
EXISTING CONDITIONS		PLANTING PLANS	
PAVEMENT REMOVAL		DRAINAGE PLANS	
TYPICAL SECTIONS			
SUPERELEVATION DATA			
GORE DETAILS			
INTERSECTION DETAIL			
ROADWAY PROFILES			

NO	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

RIVERSMART WASHINGTON

MACFARLAND
SURVEY OF EXISTING CONDITIONS PLAN 2

PROJECT ENG. SR
DESIGNED BY HN
CHECKED BY MH
DRAWN BY AKP
PROJECT MGR. HN

DIVISION CHIEF
DATE
FILE

SHEET 6 OF 22

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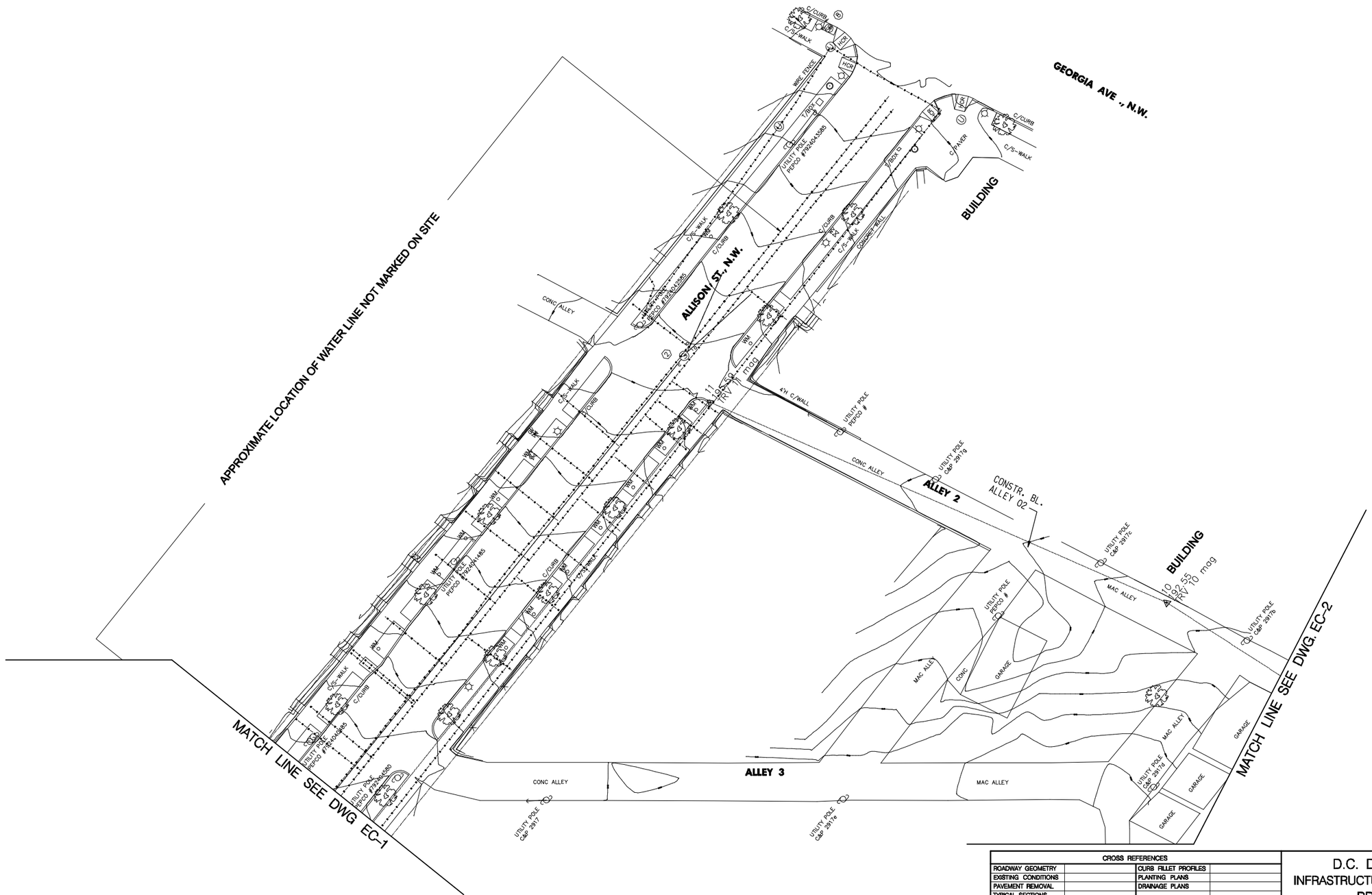
Friday, January 13, 2012 AT 07:27 PM

REG	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	D.C.	RIVERS, STRMWA	7	22
		FEDERAL AID PROJECT NO. –		



EC-3 OF 8

NOTES:

1. VERTICAL DATUM IS NAVD88, ESTABLISHED BY GLOBAL POSITIONING SYSTEM.

2. HORIZONTAL DATUM IS THE MARYLAND STATE PLANE CO-ORDINATE SYSTEM (NAD83), ESTABLISHED BY GLOBAL POSITIONING SYSTEM.

3. THE BOUNDARY LINES SHOWN ARE APPROXIMATE ONLY THIS SURVEY DOES NOT CONSTITUTE A BOUNDARY SURVEY.

4. CONTOUR INTERVAL = ONE FOOT

20' 0 20' 40'
SCALE: 1" =20'

30% PROGRESS PLAN SET
NOT FOR CONSTRUCTION

AECOM

CROSS REFERENCES			
ROADWAY GEOMETRY		CURB FILLET PROFILES	
EXISTING CONDITIONS		PLANTING PLANS	
PAVEMENT REMOVAL		DRAINAGE PLANS	
TYPICAL SECTIONS			
SUPERELEVATION DATA			
GORE DETAILS			
INTERSECTION DETAIL			
ROADWAY PROFILES			

NO.	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

RIVERSMART WASHINGTON

PROJECT ENG. SR
DESIGNED BY HN
CHECKED BY MH
DRAWN BY AKP
PROJECT MGR. HN

DIVISION CHIEF
DATE
FILE

MACFARLAND
SURVEY OF EXISTING CONDITIONS PLAN 3

SHEET 7 OF 22

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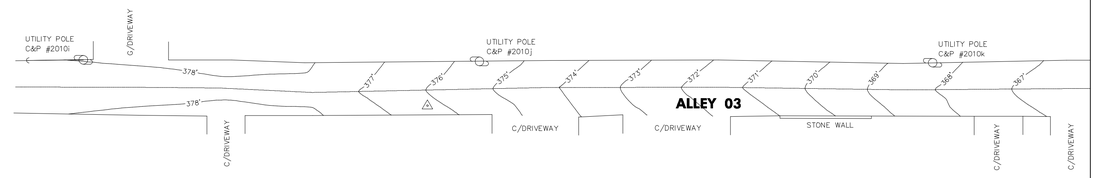
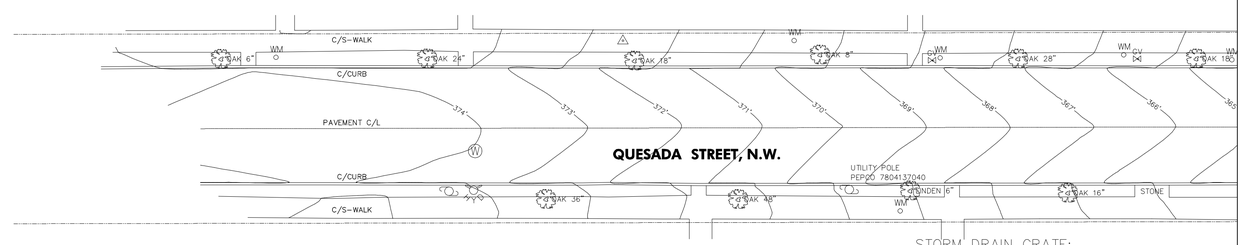
Friday, January 13, 2012 AT 07:27 PM

REG	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	D.C.	RIVERS, STRMWA	8	22
		FEDERAL AID PROJECT NO.		
		–		



MATCH LINE SEE DWG. EC–5



STORM DRAIN GRATE:

③ ELEV=366.21' (AVE. TOP)
a INV. OUT=362.86 (8" PIPE)

④ ELEV=367.40' (AVE. TOP)
NOTE: 2.15' DOWN TO BOTTOM
FULL OF LEAVES. NO PIPE VISIBLE.

EC–4 OF 8

NOTES:

1. VERTICAL DATUM IS NAVD88, ESTABLISHED BY GLOBAL POSITIONING SYSTEM.

2. HORIZONTAL DATUM IS THE MARYLAND STATE PLANE CO–ORDINATE SYSTEM (NAD83), ESTABLISHED BY GLOBAL POSITIONING SYSTEM.

3. THE BOUNDARY LINES SHOWN ARE APPROXIMATE ONLY THIS SURVEY DOES NOT CONSTITUTE A BOUNDARY SURVEY.

4. CONTOUR INTERVAL = ONE FOOT

20' 0 20' 40'
SCALE: 1" = 20'

30% PROGRESS PLAN SET
NOT FOR CONSTRUCTION

AECOM

CROSS REFERENCES			
ROADWAY GEOMETRY		CURB FILLET PROFILES	
EXISTING CONDITIONS		PLANTING PLANS	
PAVEMENT REMOVAL		DRAINAGE PLANS	
TYPICAL SECTIONS			
SUPERELEVATION DATA			
GORE DETAILS			
INTERSECTION DETAIL			
ROADWAY PROFILES			

NO.	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

RIVERSMART WASHINGTON

LAFAYETTE
SURVEY OF EXISTING CONDITIONS PLAN 1

PROJECT ENG. SR
DESIGNED BY HN
CHECKED BY MH
DRAWN BY AKP
PROJECT MGR. HN

DIVISION CHIEF

DATE
FILE

SHEET 8 OF 22

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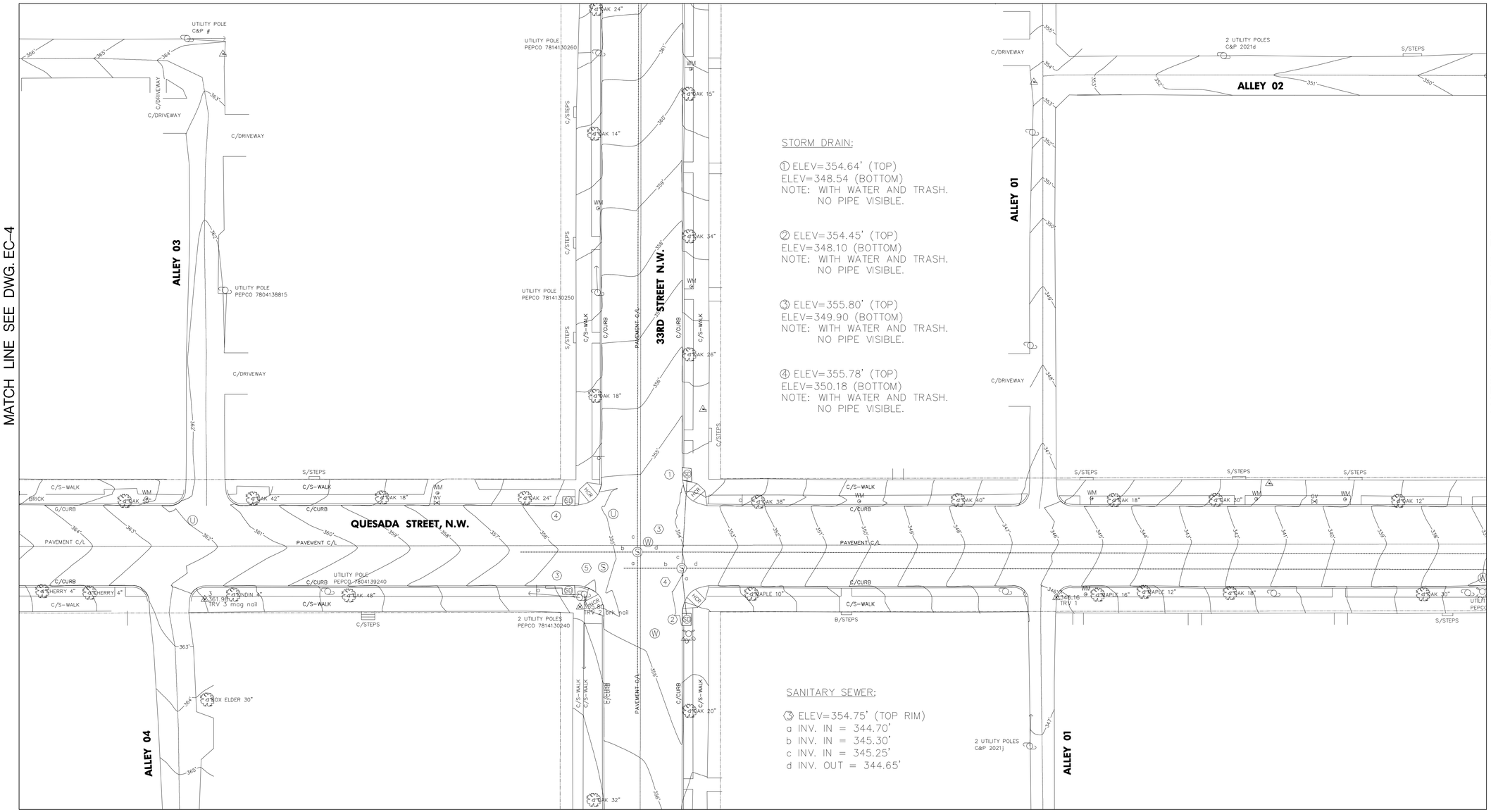
Friday, January 13, 2012 AT 07:24 PM

REG	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	D.C.	RIVERS, STRMWA FEDERAL AID PROJECT NO. –	9	22

MATCH LINE SEE DWG. EC–8

MATCH LINE SEE DWG. EC–4



MATCH LINE SEE DWG. EC–6

MATCH LINE SEE DWG. EC–7

EC–5 OF 8

NOTES:

1. VERTICAL DATUM IS NAVD88, ESTABLISHED BY GLOBAL POSITIONING SYSTEM.

2. HORIZONTAL DATUM IS THE MARYLAND STATE PLANE CO–ORDINATE SYSTEM (NAD83), ESTABLISHED BY GLOBAL POSITIONING SYSTEM.

3. THE BOUNDARY LINES SHOWN ARE APPROXIMATE ONLY THIS SURVEY DOES NOT CONSTITUTE A BOUNDARY SURVEY.

4. CONTOUR INTERVAL = ONE FOOT

30% PROGRESS PLAN SET
NOT FOR CONSTRUCTION

AECOM

CROSS REFERENCES			
ROADWAY GEOMETRY		CURB FILLET PROFILES	
EXISTING CONDITIONS		PLANTING PLANS	
PAVEMENT REMOVAL		DRAINAGE PLANS	
TYPICAL SECTIONS			
SUPERELEVATION DATA			
GORE DETAILS			
INTERSECTION DETAIL			
ROADWAY PROFILES			

NO.	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

RIVERSMART WASHINGTON

PROJECT ENG. SR
DESIGNED BY HN
CHECKED BY MH
DRAWN BY AKP
PROJECT MGR. HN

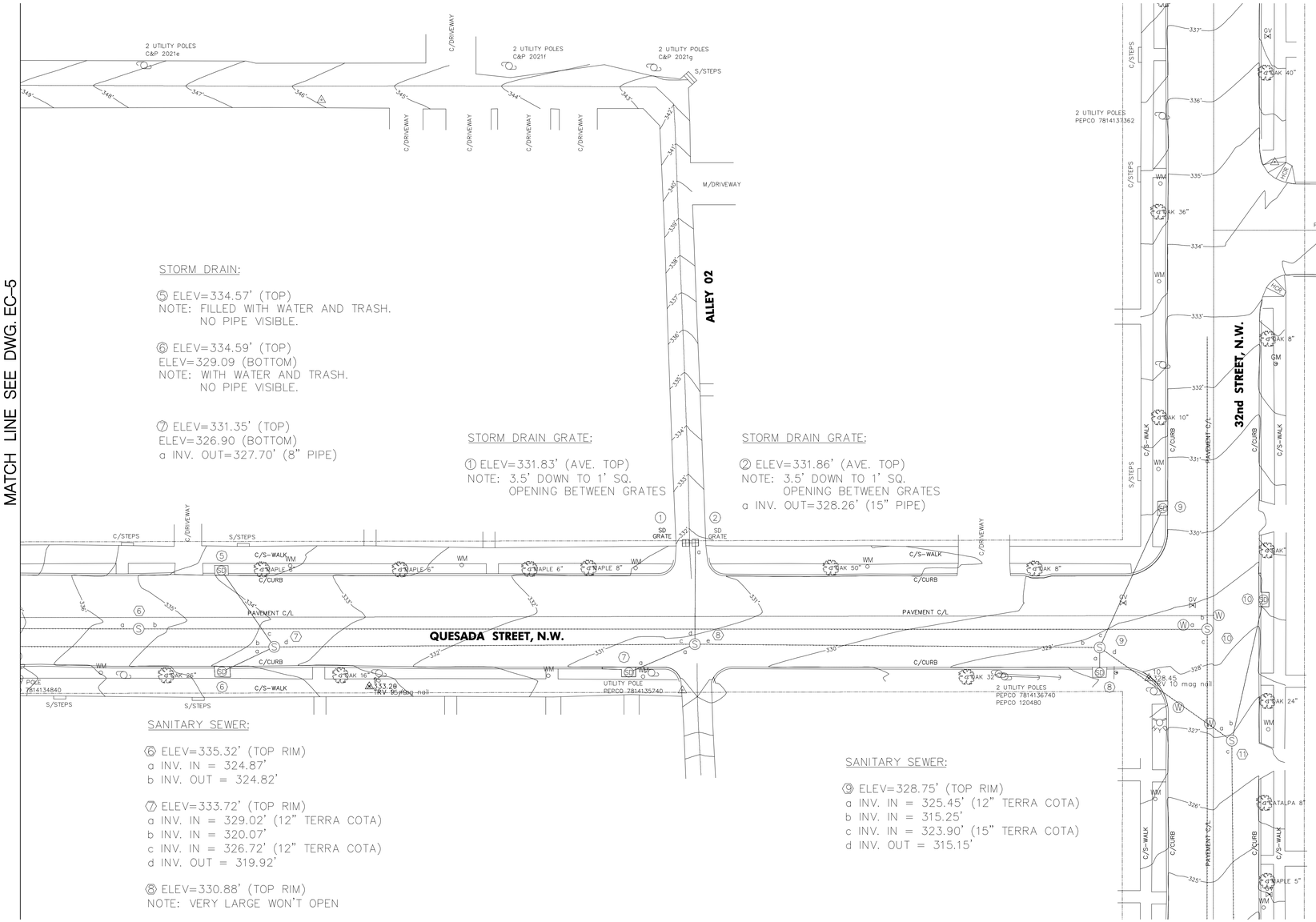
LAFAYETTE
SURVEY OF EXISTING CONDITIONS PLAN 2

DIVISION CHIEF
DATE
FILE
SHEET 9 OF 22

p:\6022\976_riversmart\cad\sheets\task2_lafayette\p10-02_lafayette.6022\976.dgn
Friday, January 13, 2012 AT 07:24 PM

REG	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	D.C.	RIVERS, STRMWA	10	22
		FEDERAL AID PROJECT NO. –		

MATCH LINE SEE DWG. EC-5



N

EC-6 OF 8

NOTES:

1. VERTICAL DATUM IS NAVD88, ESTABLISHED BY GLOBAL POSITIONING SYSTEM.

2. HORIZONTAL DATUM IS THE MARYLAND STATE PLANE CO-ORDINATE SYSTEM (NAD83), ESTABLISHED BY GLOBAL POSITIONING SYSTEM.

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4. CONTOUR INTERVAL = ONE FOOT

20' 0 20' 40'
SCALE: 1" = 20'

30% PROGRESS PLAN SET
NOT FOR CONSTRUCTION

AECOM

CROSS REFERENCES			
ROADWAY GEOMETRY		CURB FILLET PROFILES	
EXISTING CONDITIONS		PLANTING PLANS	
PAVEMENT REMOVAL		DRAINAGE PLANS	
TYPICAL SECTIONS			
SUPERELEVATION DATA			
GORE DETAILS			
INTERSECTION DETAIL			
ROADWAY PROFILES			

NO.	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

RIVERSMART WASHINGTON

PROJECT ENG. SR
DESIGNED BY HN
CHECKED BY MH
DRAWN BY AKP
PROJECT MGR. HN

LAFAYETTE
SURVEY OF EXISTING CONDITIONS PLAN 3

DIVISION CHIEF
DATE
FILE
SHEET 10 OF 22

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Friday, January 13, 2012 AT 07:24 PM

REG	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	D.C.	RIVERS, STRMWA	11	21
		FEDERAL AID PROJECT NO. –		

MATCH LINE SEE DWG. EC–5

⑥ ELEV=370.90' (AVE. TOP)
a INV. OUT=365.30' (APPEARS TO BE OVAL SHAPE)

⑦ ELEV=368.61' (AVE. TOP)
a INV. OUT=362.61' (12" PVC)
b INV. =365.11 (4"X6" OPENING JUST ABOVE 12" PVC)

④ ELEV=354.06' (TOP RIM)
a INV. IN = 348.91'
b INV. IN = 339.56'
c INV. IN = 347.21'
d INV. OUT = 339.51'

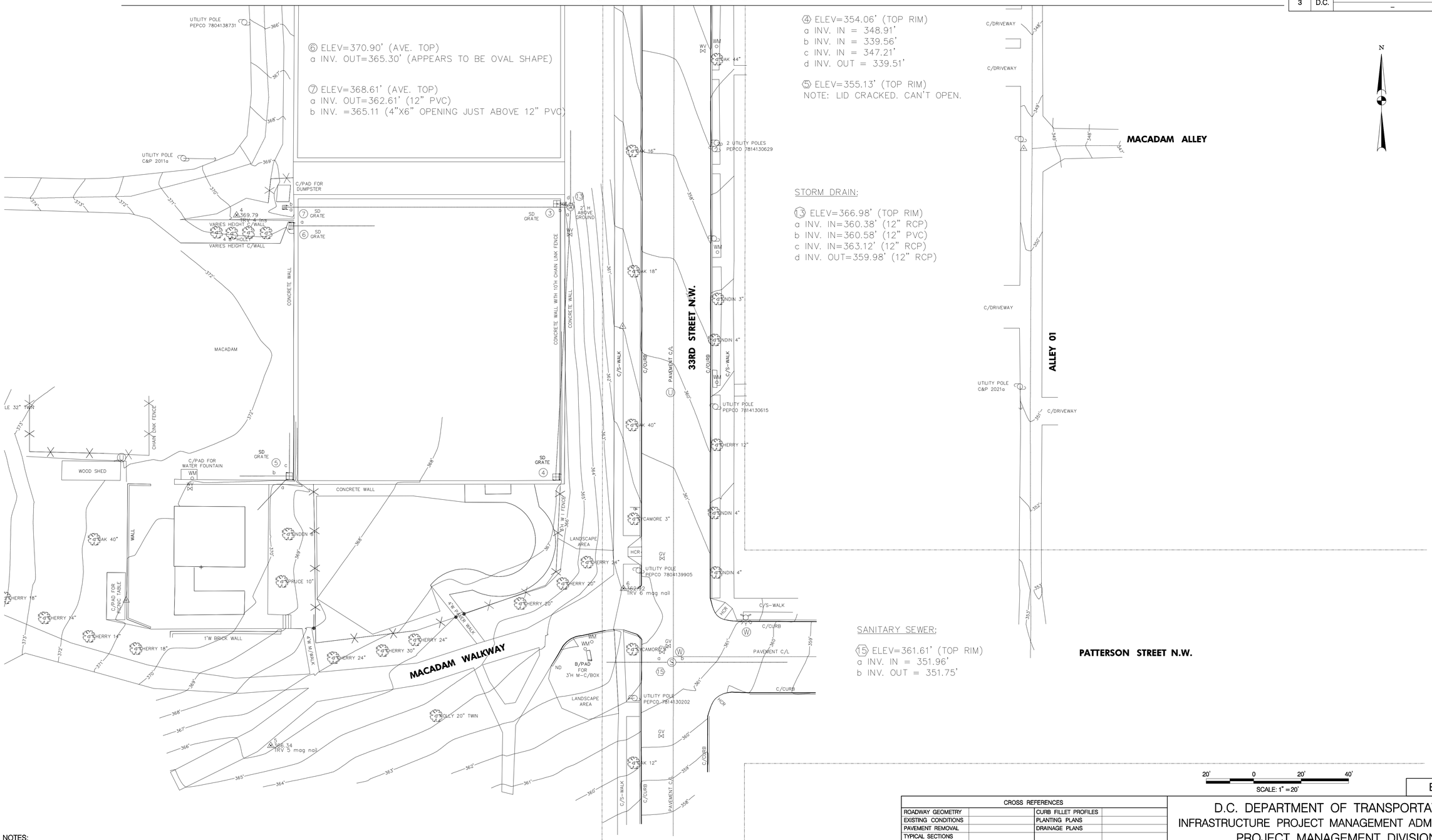
⑤ ELEV=355.13' (TOP RIM)
NOTE: LID CRACKED. CAN'T OPEN.

STORM DRAIN:

⑬ ELEV=366.98' (TOP RIM)
a INV. IN=360.38' (12" RCP)
b INV. IN=360.58' (12" PVC)
c INV. IN=363.12' (12" RCP)
d INV. OUT=359.98' (12" RCP)

SANITARY SEWER:

⑮ ELEV=361.61' (TOP RIM)
a INV. IN = 351.96'
b INV. OUT = 351.75'



NOTES:

1. VERTICAL DATUM IS NAVD88, ESTABLISHED BY GLOBAL POSITIONING SYSTEM.

2. HORIZONTAL DATUM IS THE MARYLAND STATE PLANE CO-ORDINATE SYSTEM (NAD83), ESTABLISHED BY GLOBAL POSITIONING SYSTEM.

3. THE BOUNDARY LINES SHOWN ARE APPROXIMATE ONLY THIS SURVEY DOES NOT CONSTITUTE A BOUNDARY SURVEY.

4. CONTOUR INTERVAL = ONE FOOT

30% PROGRESS PLAN SET
NOT FOR CONSTRUCTION

AECOM

20' 0 20' 40'
SCALE: 1" =20'

EC–7 OF 8

CROSS REFERENCES			
ROADWAY GEOMETRY		CURB FILLET PROFILES	
EXISTING CONDITIONS		PLANTING PLANS	
PAVEMENT REMOVAL		DRAINAGE PLANS	
TYPICAL SECTIONS			
SUPERELEVATION DATA			
GORE DETAILS			
INTERSECTION DETAIL			
ROADWAY PROFILES			

NO.	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

RIVERSMART WASHINGTON

PROJECT ENG. SR
DESIGNED BY HN
CHECKED BY MH
DRAWN BY AKP
PROJECT MGR. HN

LAFAYETTE
SURVEY OF EXISTING CONDITIONS PLAN 4

DIVISION CHIEF
DATE
FILE
SHEET 11 OF 22

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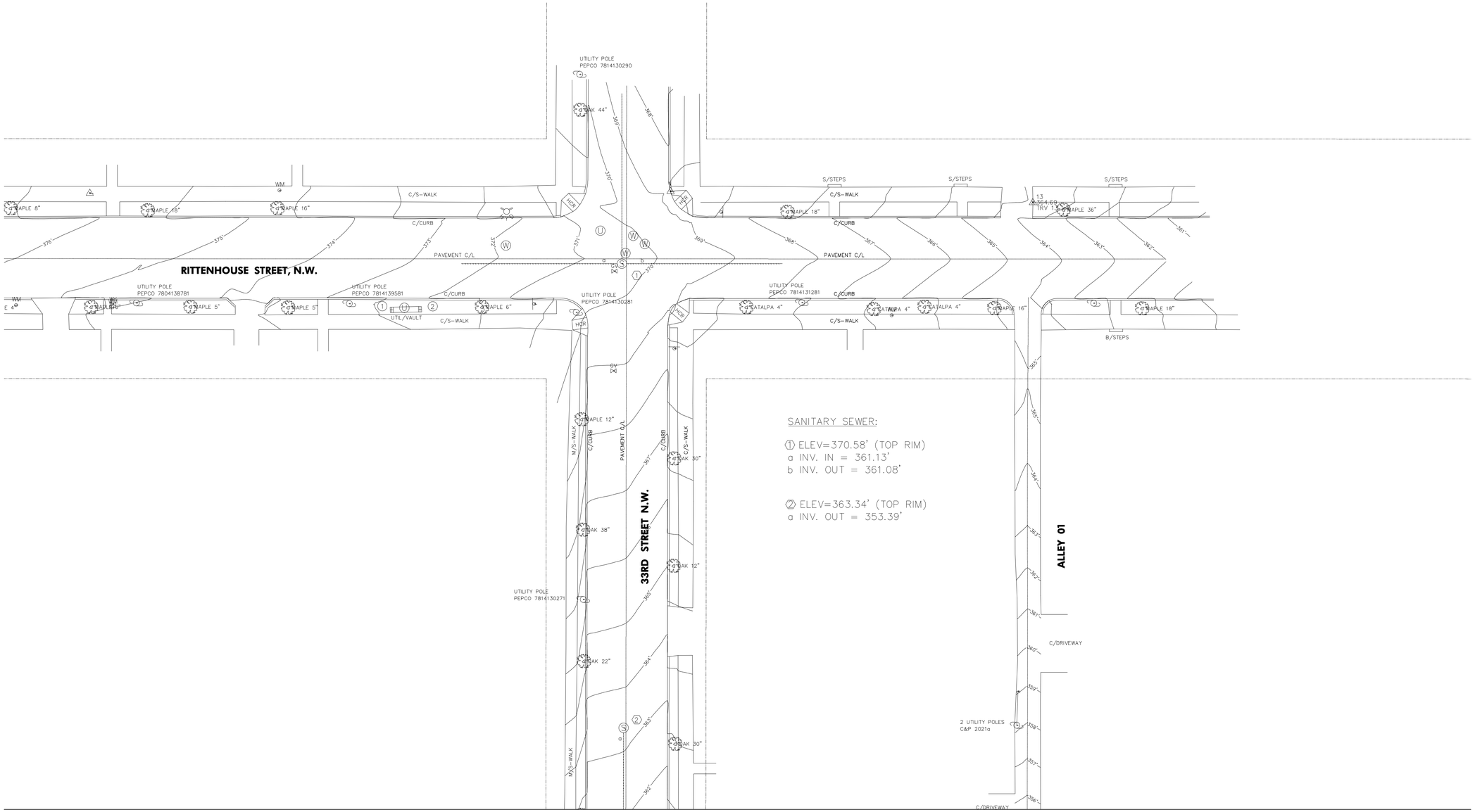
Friday, January 13, 2012 AT 07:24 PM

REG	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	D.C.	RIVERS, STRMWA	12	22
		FEDERAL AID PROJECT NO. –		



MATCH LINE SEE DWG. EC–5

EC–8 OF 8

NOTES:

1. VERTICAL DATUM IS NAVD88, ESTABLISHED BY GLOBAL POSITIONING SYSTEM.

2. HORIZONTAL DATUM IS THE MARYLAND STATE PLANE CO–ORDINATE SYSTEM (NAD83), ESTABLISHED BY GLOBAL POSITIONING SYSTEM.

3. THE BOUNDARY LINES SHOWN ARE APPROXIMATE ONLY THIS SURVEY DOES NOT CONSTITUTE A BOUNDARY SURVEY.

4. CONTOUR INTERVAL = ONE FOOT

20' 0 20' 40'
SCALE: 1" = 20'

30% PROGRESS PLAN SET
NOT FOR CONSTRUCTION

AECOM

CROSS REFERENCES			
ROADWAY GEOMETRY		CURB FILLET PROFILES	
EXISTING CONDITIONS		PLANTING PLANS	
PAVEMENT REMOVAL		DRAINAGE PLANS	
TYPICAL SECTIONS			
SUPERELEVATION DATA			
GORE DETAILS			
INTERSECTION DETAIL			
ROADWAY PROFILES			

NO.	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

RIVERSMART WASHINGTON

LAFAYETTE
SURVEY OF EXISTING CONDITIONS PLAN 5

PROJECT ENG. SR
DESIGNED BY HN
CHECKED BY MH
DRAWN BY AKP
PROJECT MGR. HN

DIVISION CHIEF
DATE
FILE
SHEET 12 OF 22

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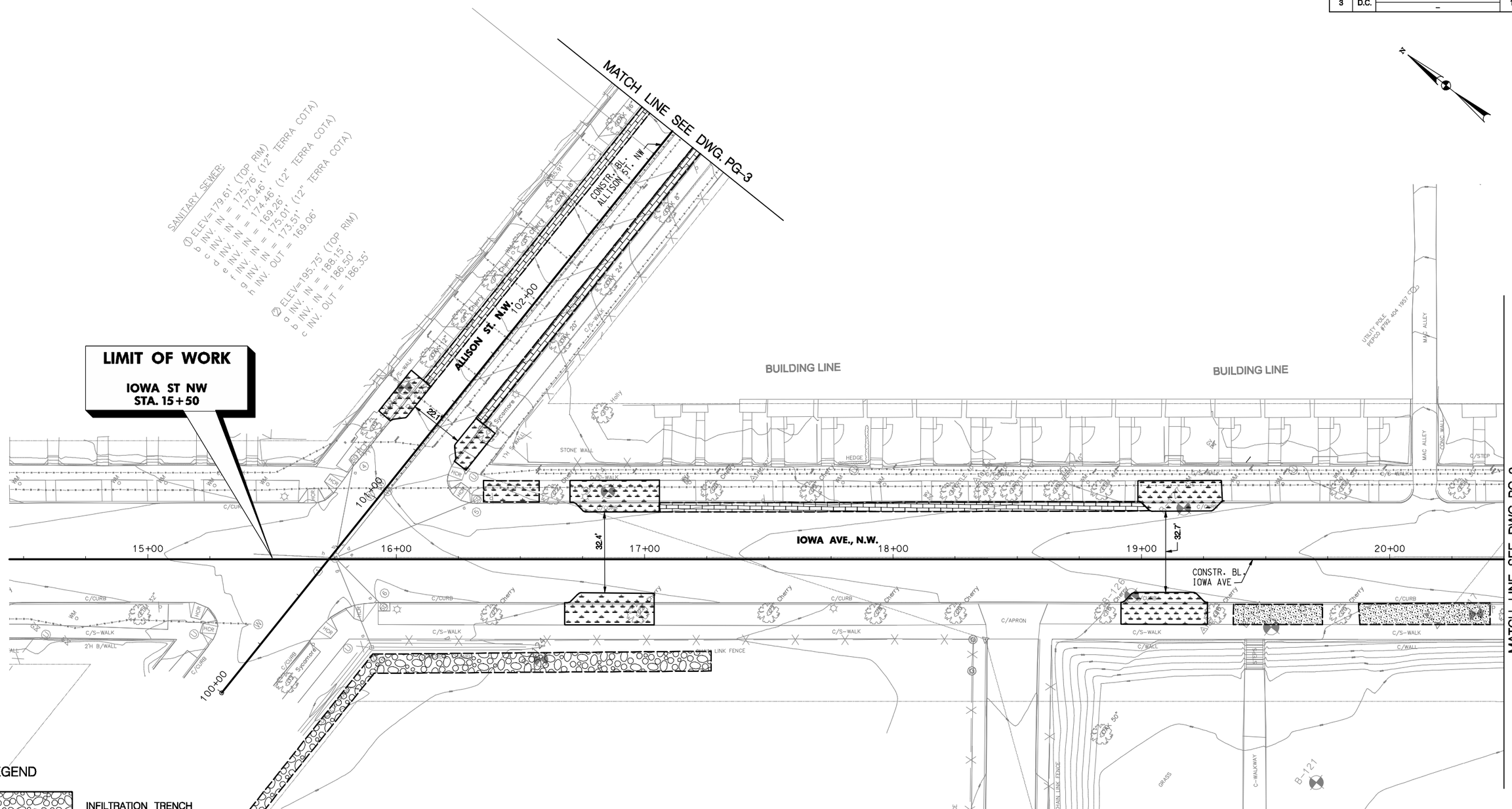
Friday, January 13, 2012 AT 07:25 PM

REG	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	D.C.	RIVERS, STRMWA	13	22
		FEDERAL AID PROJECT NO. –		



LEGEND

- INFILTRATION TRENCH
- BRICK PERVIOUS PAVEMENT
- CONCRETE PERVIOUS PAVEMENT
- ASPHALT PERVIOUS PAVEMENT
- BIORETENTION

20' 0 20' 40'
SCALE: 1" = 20'

30% PROGRESS PLAN SET
NOT FOR CONSTRUCTION

AECOM

CROSS REFERENCES			
ROADWAY GEOMETRY		CURB FILLET PROFILES	
EXISTING CONDITIONS		PLANTING PLANS	
PAVEMENT REMOVAL		DRAINAGE PLANS	
TYPICAL SECTIONS			
SUPERELEVATION DATA			
GORE DETAILS			
INTERSECTION DETAIL			
ROADWAY PROFILES			

NO.	DESCRIPTION	NAME	DATE

REVISIONS

PG-1 OF 8

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

RIVERSMART WASHINGTON

MACFARLAND
PAVING AND GRADING PLAN 1

PROJECT ENG. SR
DESIGNED BY HN
CHECKED BY MH
DRAWN BY AKP
PROJECT MGR. HN

DIVISION CHIEF
DATE
FILE
SHEET 13 OF 22

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Friday, January 13, 2012 AT 07:28 PM

REG	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
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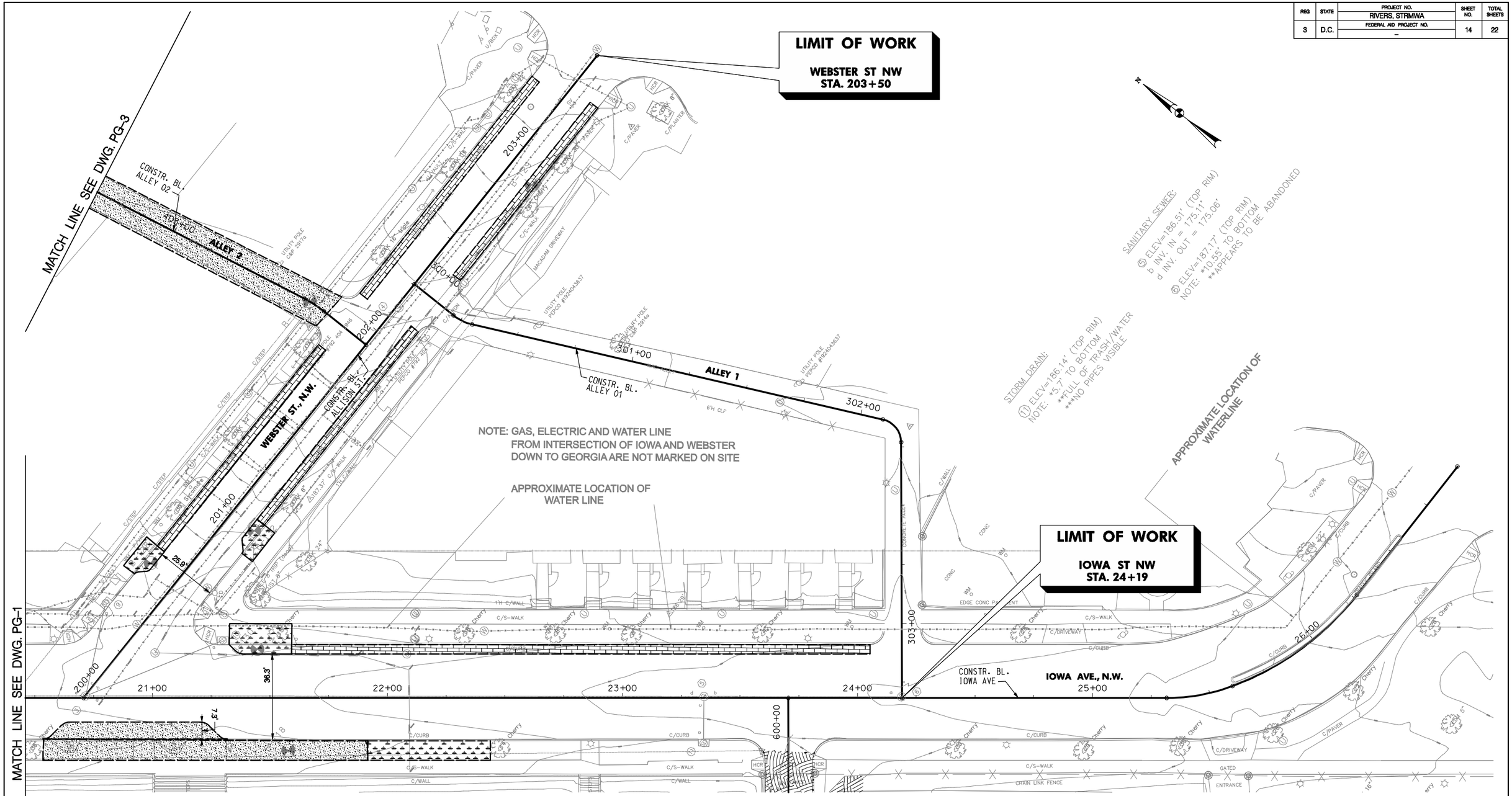
		FEDERAL AID PROJECT NO. –		



LEGEND

- BRICK PERVIOUS PAVEMENT
- CONCRETE PERVIOUS PAVEMENT
- ASPHALT PERVIOUS PAVEMENT
- BIORETENTION

20' 0 20' 40'
SCALE: 1" = 20'

30% PROGRESS PLAN SET
NOT FOR CONSTRUCTION

AECOM

CROSS REFERENCES			
ROADWAY GEOMETRY		CURB FILLET PROFILES	
EXISTING CONDITIONS		PLANTING PLANS	
PAVEMENT REMOVAL		DRAINAGE PLANS	
TYPICAL SECTIONS			
SUPERELEVATION DATA			
GORE DETAILS			
INTERSECTION DETAIL			
ROADWAY PROFILES			

NO.	DESCRIPTION	NAME	DATE

REVISIONS

PG-2 OF 8

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

RIVERSMART WASHINGTON

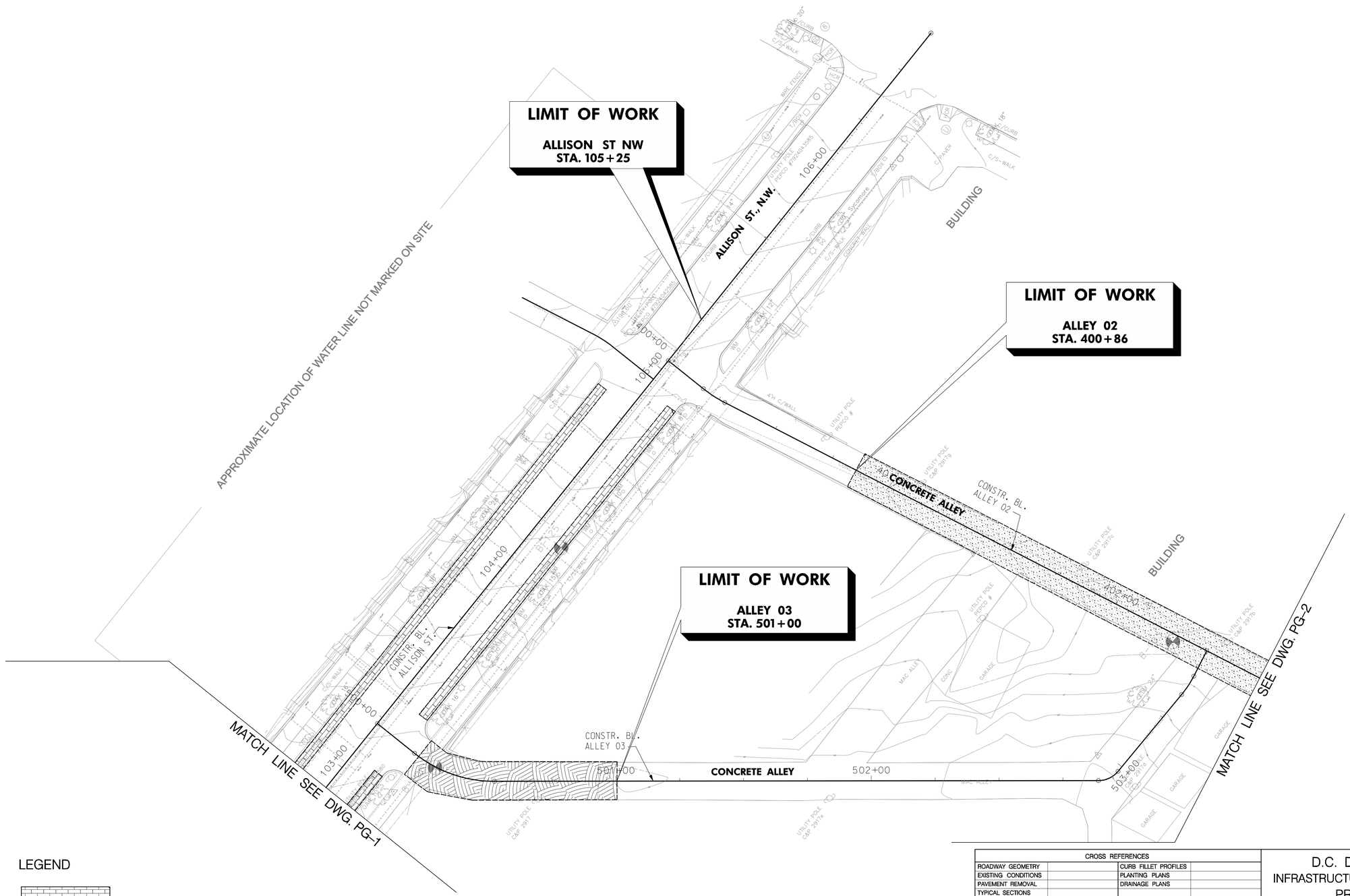
MACFARLAND
PAVING AND GRADING PLAN 2

PROJECT ENG. SR
DESIGNED BY HN
CHECKED BY MH
DRAWN BY AKP
PROJECT MGR. HN

DIVISION CHIEF
DATE
FILE
SHEET 14 OF 22

p:\60221976_riversmart\cad\sheets\task1a_macfarland\pH0-02_60221976_MacFarland.dgn
Friday, January 13, 2012 AT 07:28 PM

REG	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	D.C.	RIVERS, STRMWA	15	22
		FEDERAL AID PROJECT NO. –		



PG-3 OF 8

LEGEND

- BRICK PERVIOUS PAVEMENT
- CONCRETE PERVIOUS PAVEMENT
- ASPHALT PERVIOUS PAVEMENT

20' 0 20' 40'
SCALE: 1" = 20'

30% PROGRESS PLAN SET
NOT FOR CONSTRUCTION

AECOM

CROSS REFERENCES			
ROADWAY GEOMETRY		CURB FILLET PROFILES	
EXISTING CONDITIONS		PLANTING PLANS	
PAVEMENT REMOVAL		DRAINAGE PLANS	
TYPICAL SECTIONS			
SUPERELEVATION DATA			
GORE DETAILS			
INTERSECTION DETAIL			
ROADWAY PROFILES			

NO.	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

RIVERSMART WASHINGTON

MACFARLAND
PAVING AND GRADING PLAN 3

PROJECT ENG. SR
DESIGNED BY HN
CHECKED BY MH
DRAWN BY AKP
PROJECT MGR. HN

DIVISION CHIEF
DATE
FILE
SHEET 15 OF 22

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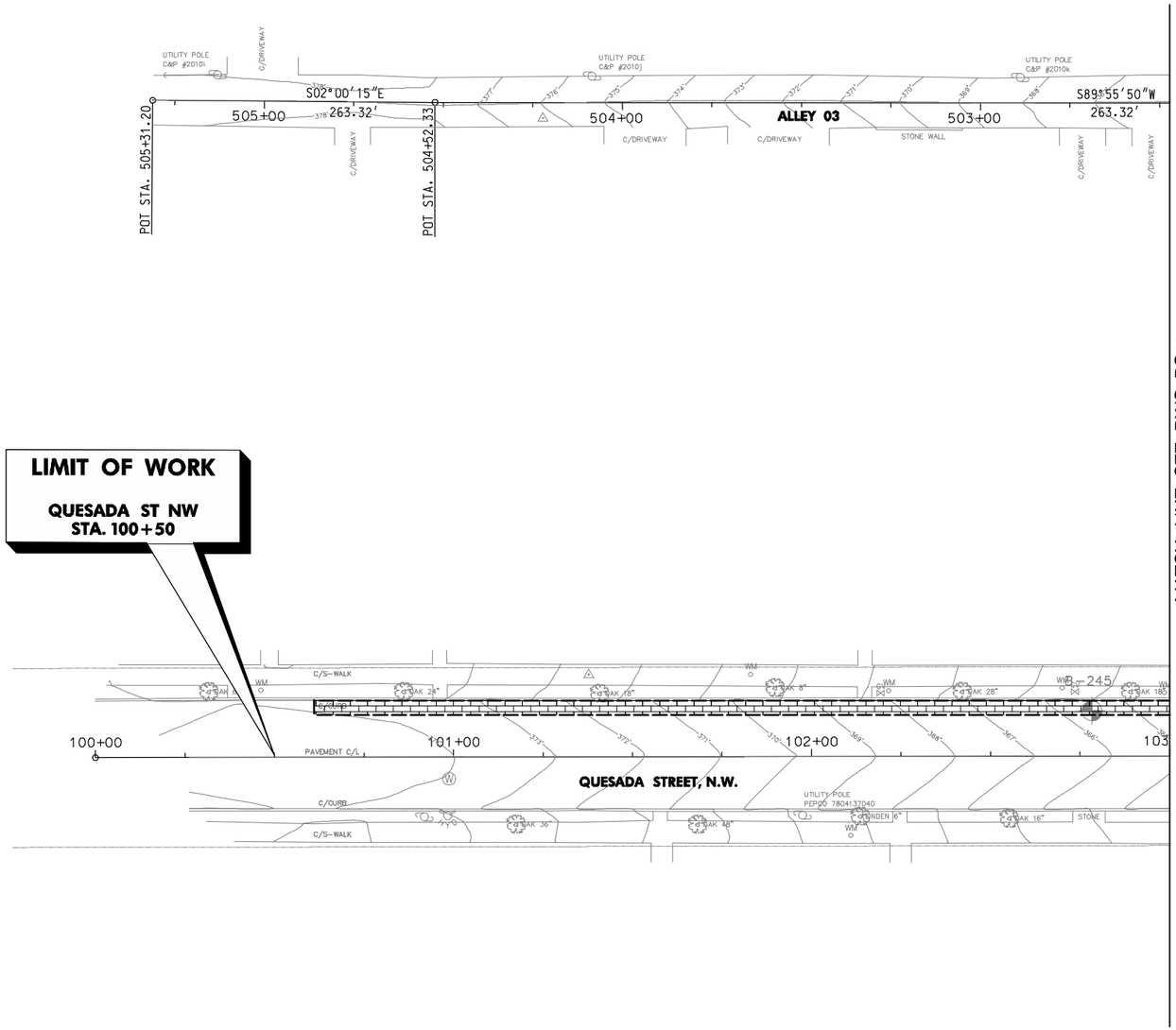
Friday, January 13, 2012 AT 07:42 PM

REG.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	D.C.	RIVERS, STRMWA	16	22
		FEDERAL AID PROJECT NO. –		



N

PG-4 OF 8

LEGEND

- BRICK PERVIOUS PAVEMENT
- ASPHALT PERVIOUS PAVEMENT
- CONCRETE PERVIOUS PAVEMENT

20' 0 20' 40'
SCALE: 1" = 20'

30% PROGRESS PLAN SET
NOT FOR CONSTRUCTION

AECOM

CROSS REFERENCES			
ROADWAY GEOMETRY		CURB FILLET PROFILES	
EXISTING CONDITIONS		PLANTING PLANS	
PAVEMENT REMOVAL		DRAINAGE PLANS	
TYPICAL SECTIONS			
SUPERELEVATION DATA			
GORE DETAILS			
INTERSECTION DETAIL			
ROADWAY PROFILES			

NO.	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

RIVERSMART WASHINGTON

LAFAYETTE
PAVING AND GRADING PLAN 1

PROJECT ENG. SR
DESIGNED BY HN
CHECKED BY MH
DRAWN BY AKP
PROJECT MGR. HN

DIVISION CHIEF
DATE
FILE
SHEET 16 OF 22

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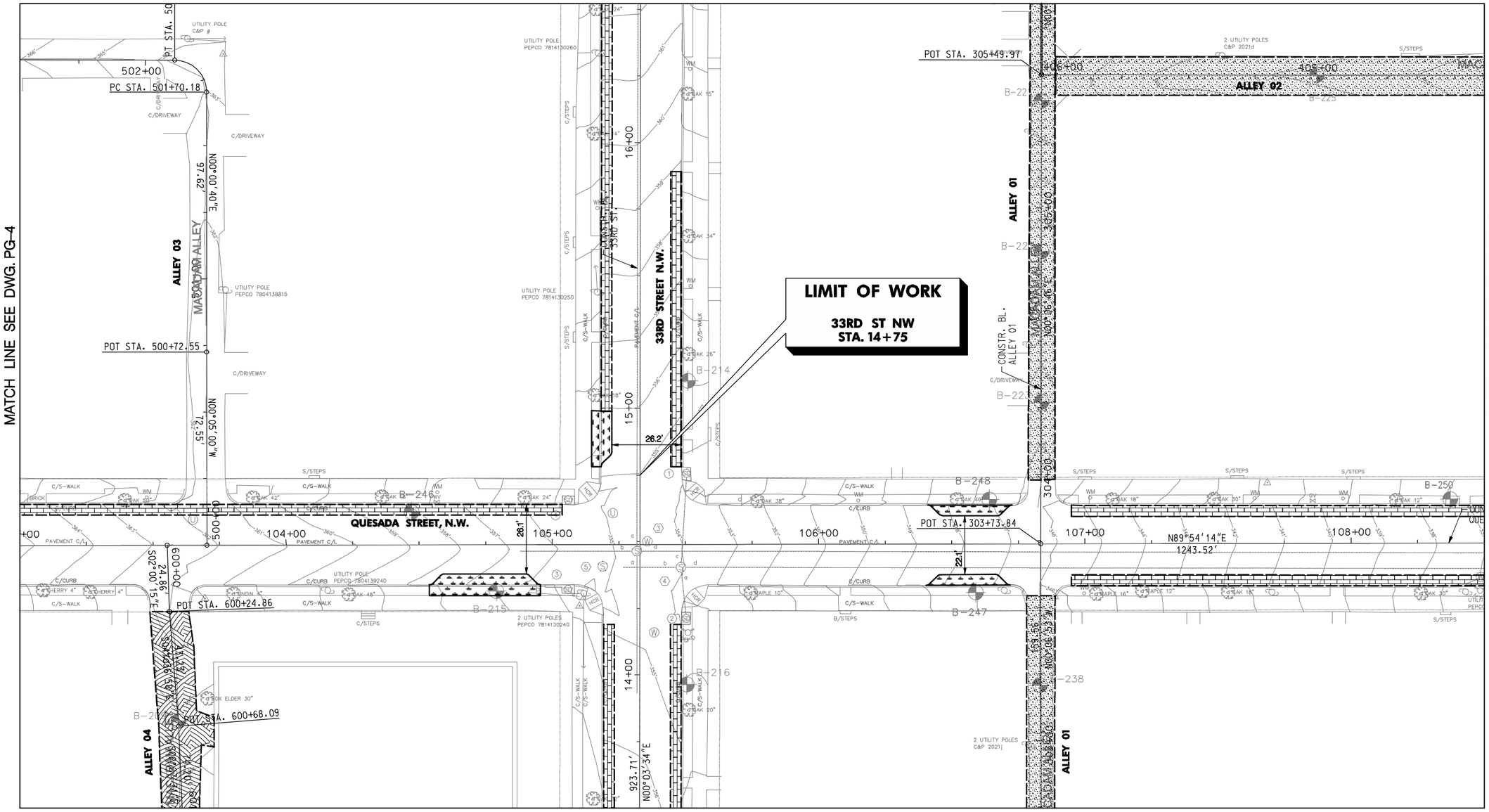
Tuesday, January 31, 2012 AT 04:11 PM

REG	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	D.C.	RIVERS, STRMWA FEDERAL AID PROJECT NO. –	17	22

MATCH LINE SEE DWG PG–8



MATCH LINE SEE DWG. PG–7

PG–5 OF 8

LEGEND

- BRICK PERVIOUS PAVEMENT
- ASPHALT PERVIOUS PAVEMENT
- CONCRETE PERVIOUS PAVEMENT
- BIORETENTION

30% PROGRESS PLAN SET
NOT FOR CONSTRUCTION

AECOM

CROSS REFERENCES			
ROADWAY GEOMETRY		CURB FILLET PROFILES	
EXISTING CONDITIONS		PLANTING PLANS	
PAVEMENT REMOVAL		DRAINAGE PLANS	
TYPICAL SECTIONS			
SUPERELEVATION DATA			
GORE DETAILS			
INTERSECTION DETAIL			
ROADWAY PROFILES			

NO	DESCRIPTION	NAME	DATE

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

RIVERSMART WASHINGTON

LAFAYETTE
PAVING AND GRADING PLAN 2

PROJECT ENG. SR
DESIGNED BY HN
CHECKED BY MH
DRAWN BY AKP
PROJECT MGR. HN

DIVISION CHIEF
DATE
FILE
SHEET 17 OF 22

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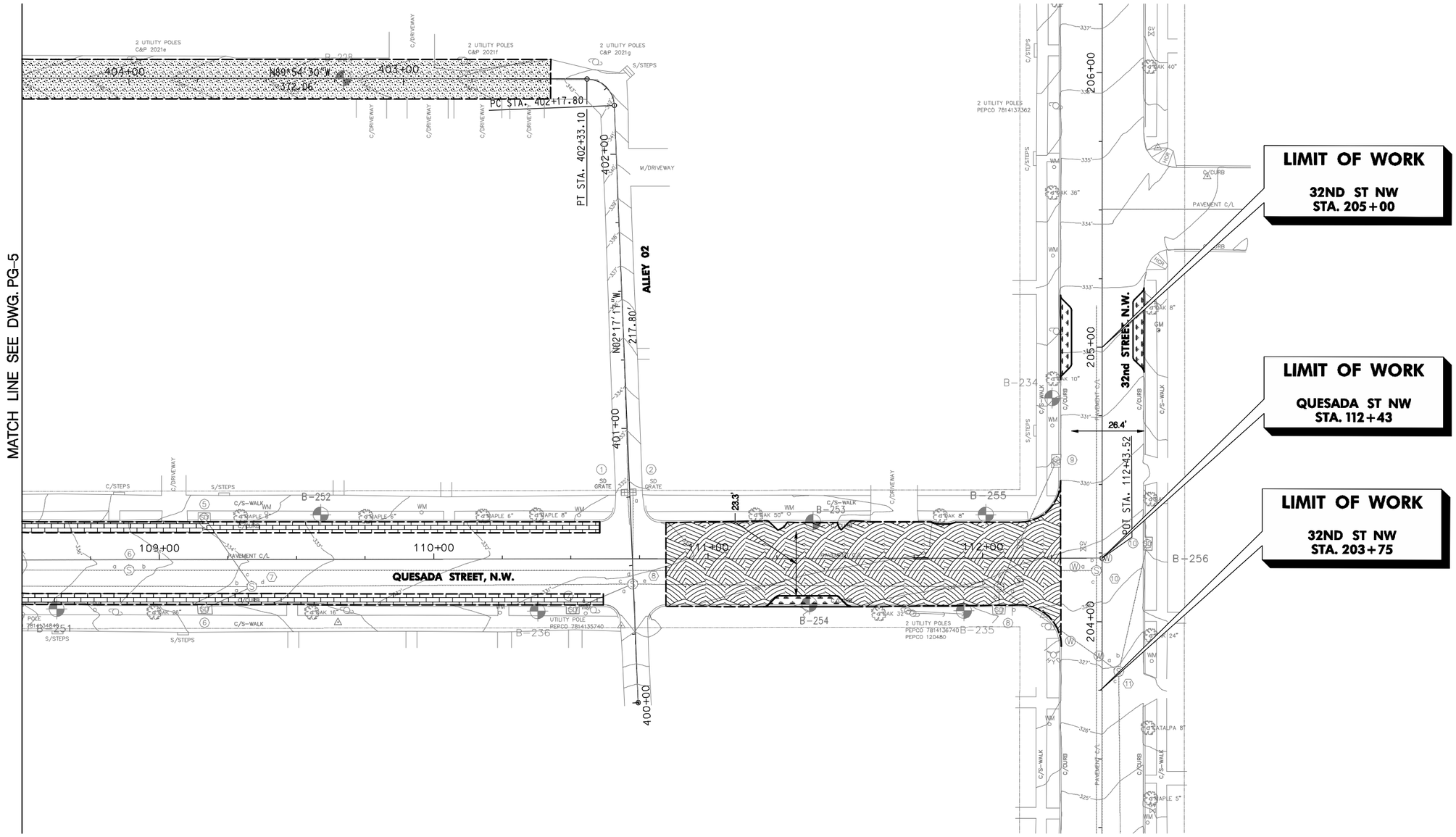
Tuesday, January 31, 2012 AT 04:11 PM

REG	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	D.C.	RIVERS, STRMWA	18	22
		FEDERAL AID PROJECT NO. –		



LEGEND

- BRICK PERVIOUS PAVEMENT
- ASPHALT PERVIOUS PAVEMENT
- CONCRETE PERVIOUS PAVEMENT
- BIORETENTION

20' 0 20' 40'
SCALE: 1" =20'

30% PROGRESS PLAN SET
NOT FOR CONSTRUCTION

AECOM

CROSS REFERENCES			
ROADWAY GEOMETRY		CURB FILLET PROFILES	
EXISTING CONDITIONS		PLANTING PLANS	
PAVEMENT REMOVAL		DRAINAGE PLANS	
TYPICAL SECTIONS			
SUPERELEVATION DATA			
GORE DETAILS			
INTERSECTION DETAIL			
ROADWAY PROFILES			

NO	DESCRIPTION	NAME	DATE

REVISIONS

PG-6 OF 8

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

RIVERSMART WASHINGTON

LAFAYETTE
PAVING AND GRADING PLAN 3

PROJECT ENG. SR
DESIGNED BY HN
CHECKED BY MH
DRAWN BY AKP
PROJECT MGR. HN

DIVISION CHIEF
DATE
FILE
SHEET . 18 OF 22

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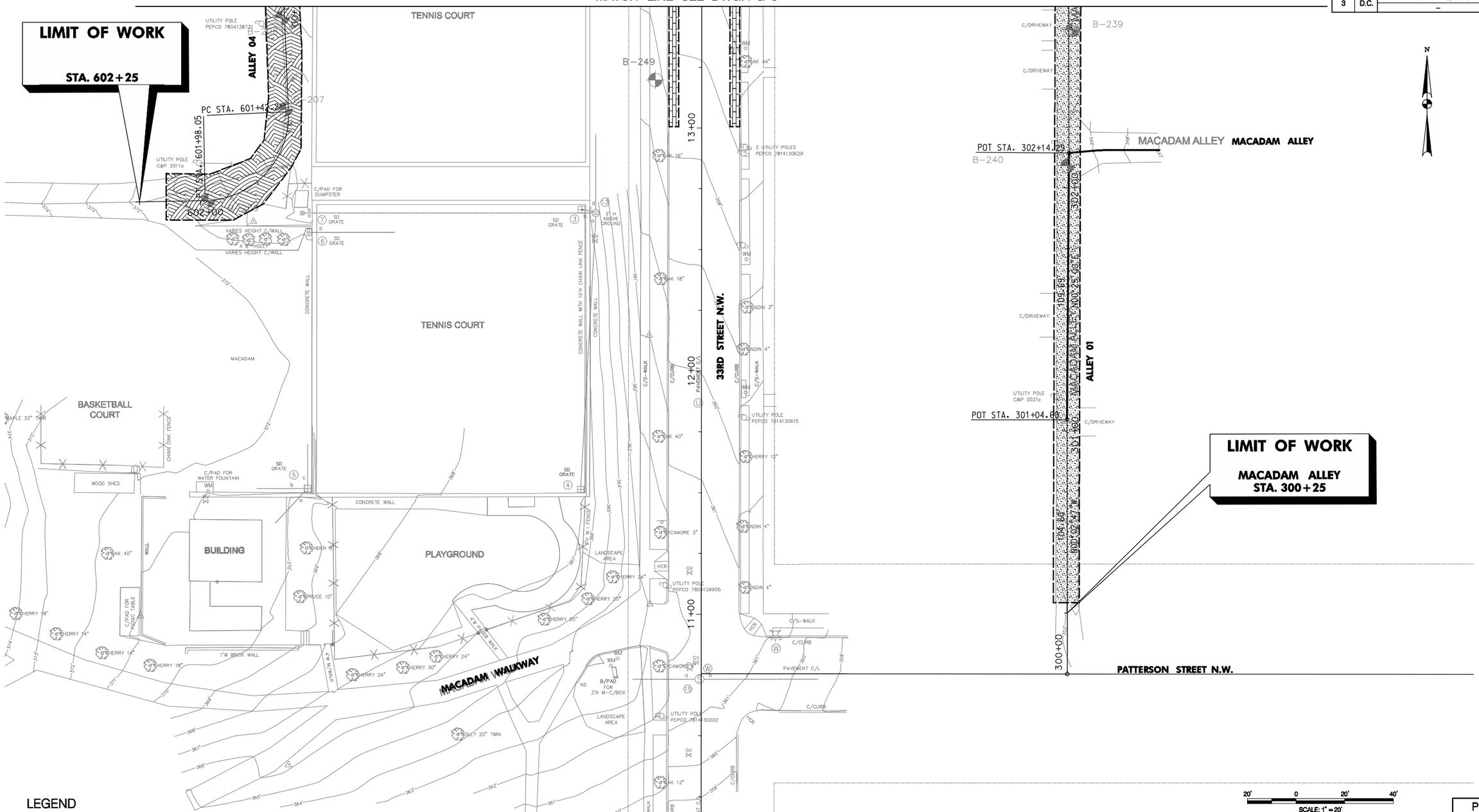
Tuesday, January 31, 2012 AT 04:11 PM

REG	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	D.C.	RIVERS, STRMWA	19	22
		FEDERAL AID PROJECT NO. –		

MATCH LINE SEE DWG. PG–5



PG–7 OF 8

LEGEND

- BRICK PERVIOUS PAVEMENT
- ASPHALT PERVIOUS PAVEMENT
- CONCRETE PERVIOUS PAVEMENT
- BIORETENTION

30% PROGRESS PLAN SET
NOT FOR CONSTRUCTION

CROSS REFERENCES			
ROADWAY GEOMETRY		CURB FILLET PROFILES	
EXISTING CONDITIONS		PLANTING PLANS	
PAVEMENT REMOVAL		DRAINAGE PLANS	
TYPICAL SECTIONS			
SUPERELEVATION DATA			
GORE DETAILS			
INTERSECTION DETAIL			
ROADWAY PROFILES			

NO.	DESCRIPTION	NAME	DATE

REVISIONS

AECOM

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

RIVERSMART WASHINGTON

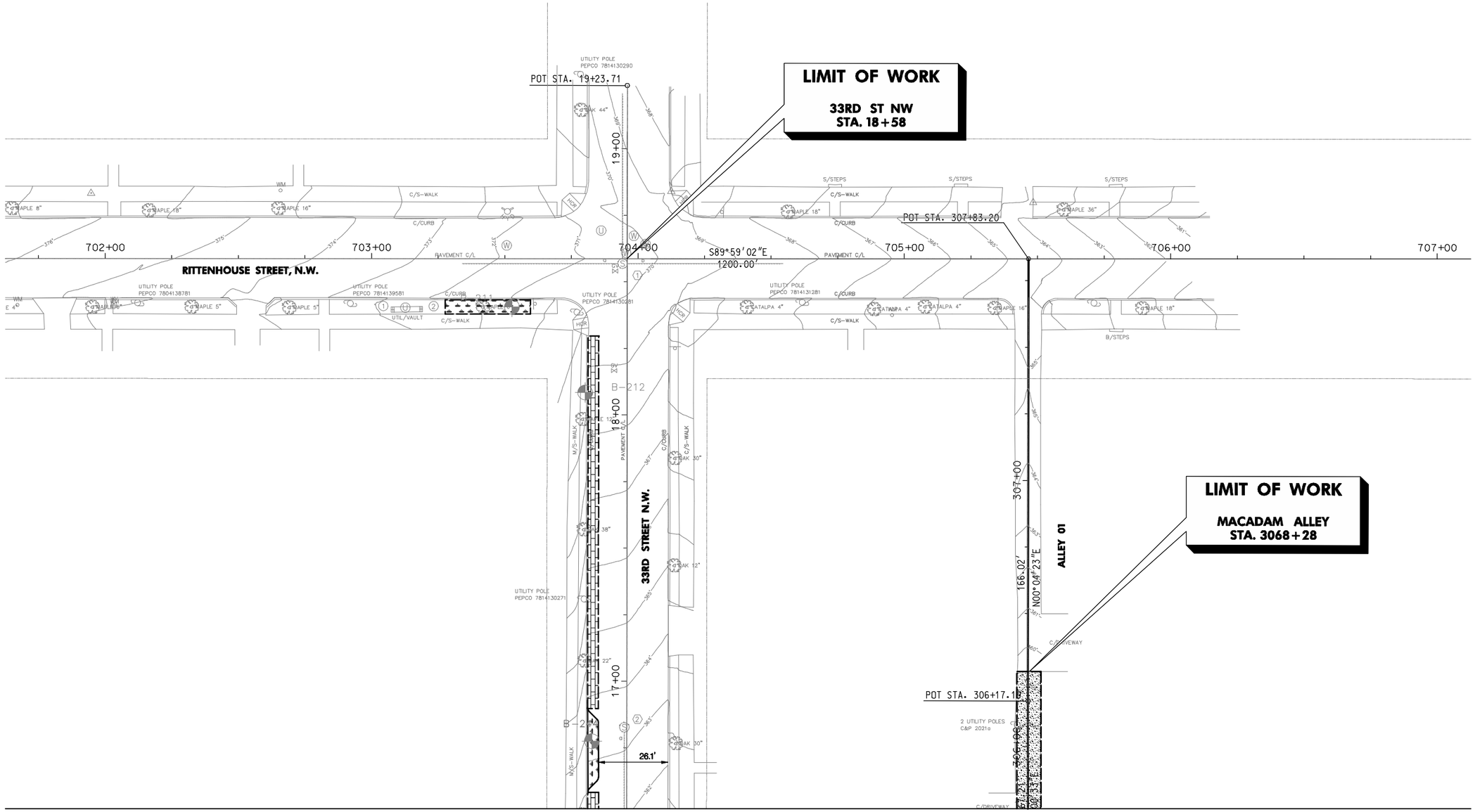
LAFAYETTE
PAVING AND GRADING PLAN 4

PROJECT ENG. SR
DESIGNED BY HN
CHECKED BY MH
DRAWN BY AKP
PROJECT MGR. HN

DIVISION CHIEF
DATE
FILE
SHEET . 19 OF 22

p:\60221976_riversmart\cad\sheets\TASK2_Lafayette\pH0-04_Lafayette_60221976.dgn
Tuesday, January 31, 2012 AT 04:11 PM

REG	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	D.C.	RIVERS, STRMWA	20	22
		FEDERAL AID PROJECT NO. –		



LEGEND

- BRICK PERVIOUS PAVEMENT
- ASPHALT PERVIOUS PAVEMENT
- CONCRETE PERVIOUS PAVEMENT
- BIORETENTION

20' 0 20' 40'
SCALE: 1" = 20'

30% PROGRESS PLAN SET
NOT FOR CONSTRUCTION

AECOM

CROSS REFERENCES			
ROADWAY GEOMETRY		CURB FILLET PROFILES	
EXISTING CONDITIONS		PLANTING PLANS	
PAVEMENT REMOVAL		DRAINAGE PLANS	
TYPICAL SECTIONS			
SUPERELEVATION DATA			
GORE DETAILS			
INTERSECTION DETAIL			
ROADWAY PROFILES			

NO.	DESCRIPTION	NAME	DATE

REVISIONS

PG-8 OF 8

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

RIVERSMART WASHINGTON

LAFAYETTE
PAVING AND GRADING PLAN 5

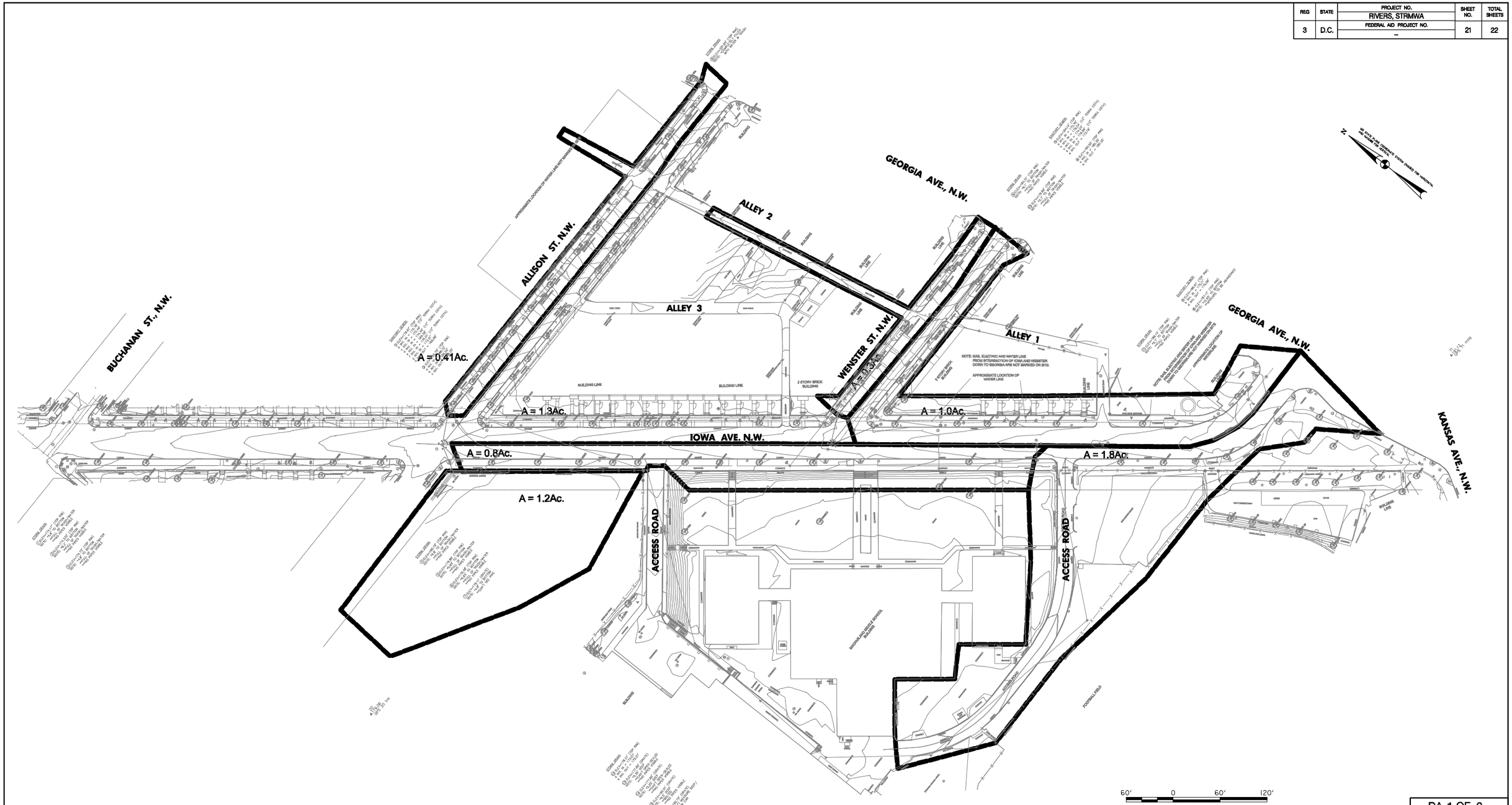
PROJECT ENG. SR
DESIGNED BY HN
CHECKED BY MH
DRAWN BY AKP
PROJECT MGR. HN

DIVISION CHIEF

DATE
FILE
SHEET . 20 OF 22

p:\60221976_rivers mart\cad\sheets\TASK2_Lafayette\pH0-05_Lafayette_60221976.dgn
Tuesday, January 31, 2012 AT 04:12 PM

REG	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	D.C.	RIVERS, STRMWA	21	22
		FEDERAL AID PROJECT NO. –		



DA–1 OF 2

CROSS REFERENCES			
ROADWAY GEOMETRY		CURB FILLET PROFILES	
EXISTING CONDITIONS		PLANTING PLANS	
PAVEMENT REMOVAL		DRAINAGE PLANS	
TYPICAL SECTIONS			
SUPERELEVATION DATA			
GORE DETAILS			
INTERSECTION DETAIL			
ROADWAY PROFILES			

NO	DESCRIPTION	NAME	DATE

REVISIONS

FOR INFORMATION ONLY
30% PROGRESS PLAN SET
NOT FOR CONSTRUCTION

AECOM

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

RIVERSMART WASHINGTON

MACFARLAND
DRAINAGE AREA PLAN

PROJECT ENG. SR
DESIGNED BY AKP
CHECKED BY SR
DRAWN BY AKP
PROJECT MGR. HN

DIVISION CHIEF

DATE
FILE
SHEET 21 OF 22

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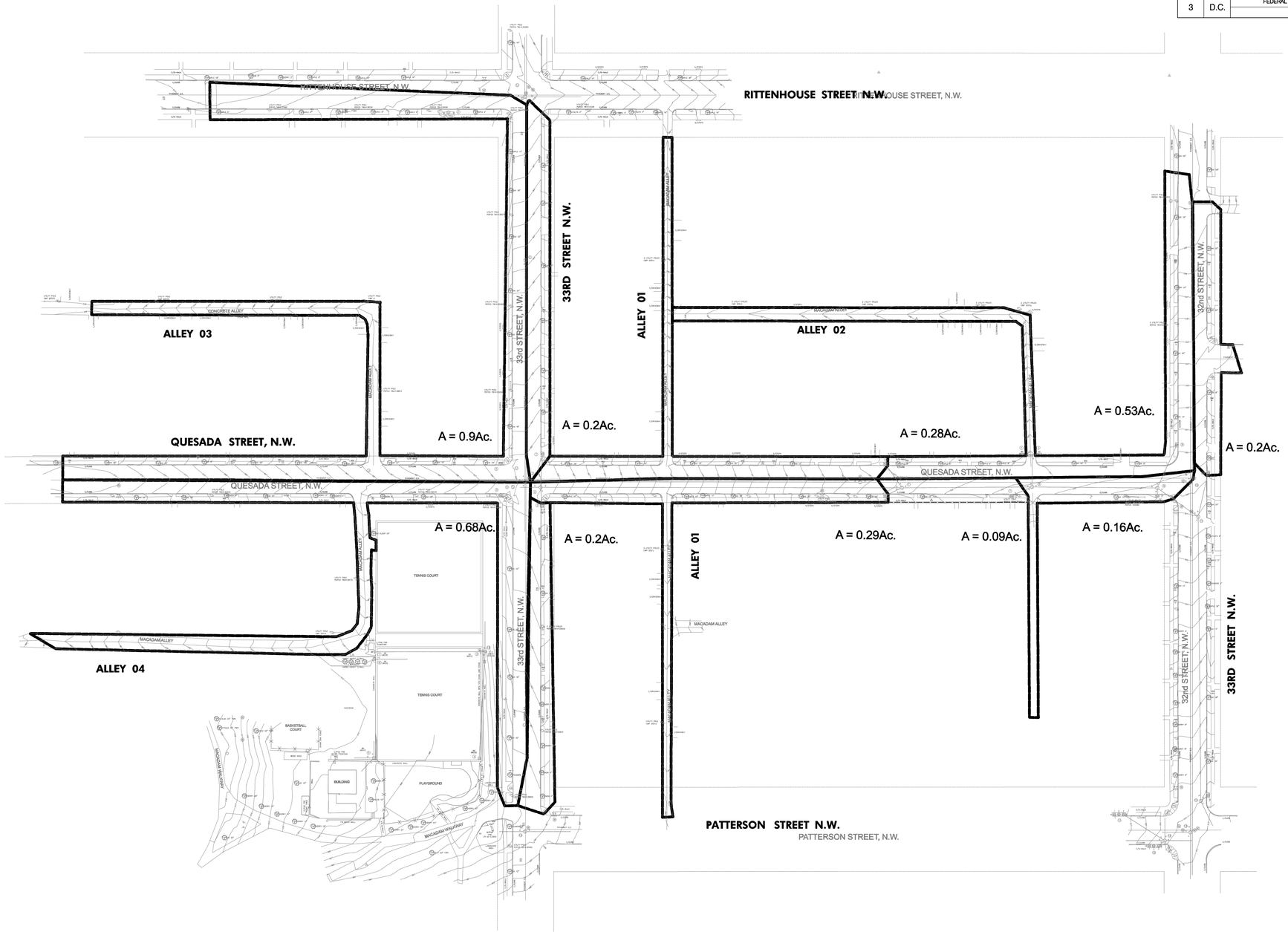
Friday, January 13, 2012 AT 07:28 PM

REG	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	D.C.	RIVERS, STRMWA	22	22
		FEDERAL AID PROJECT NO. —		



DA–2 OF 2

60′ 0 60′ 120′
SCALE: 1″=60′

CROSS REFERENCES			
ROADWAY GEOMETRY		CURB FILLET PROFILES	
EXISTING CONDITIONS		PLANTING PLANS	
PAVEMENT REMOVAL		DRAINAGE PLANS	
TYPICAL SECTIONS			
SUPERELEVATION DATA			
GORE DETAILS			
INTERSECTION DETAIL			
ROADWAY PROFILES			

NO	DESCRIPTION	NAME	DATE

REVISIONS

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AECOM

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

RIVERSMART WASHINGTON

PROJECT ENG. SR
DESIGNED BY AKP
CHECKED BY SR
DRAWN BY AKP
PROJECT MGR. HN

LAFAYETTE
DRAINAGE AREA PLAN

DIVISION CHIEF
DATE
FILE
SHEET 22 OF 22

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Friday, January 13, 2012 AT 07:26 PM