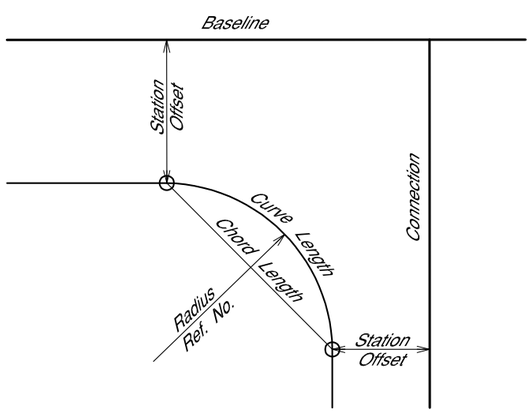
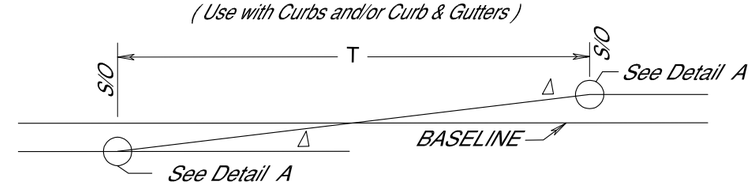
LOCATION (REF. NO.)	BASELINE		CONNECTION		RADIUS LENGTH	CHORD LENGTH	CURVE LENGTH
Sheet-Item	Station	Offset	Station	Offset	Feet	Feet	Feet
3-1	123+49.83	0.00'	123+53.29	8.62' RT	5.00	9.28	11.90
3-2	123+86.50	16.28' RT	123+93.47	13.50' RT	10.00	7.47	7.66
4-1	16+92.33	0.00'	126+94.33	2.00' RT	2.00	2.83	3.14
4-2	326+91.13	11.53' LT	326+93.13	13.54' LT	2.00	2.83	3.15
4-3	127+04.33	3.58' RT	127+06.98	1.69' RT	2.00	3.25	3.80
4-4	127+06.98	1.69' RT	327+05.78	13.52' LT	20.00	37.86	49.68
4-5	327+03.13	15.41' LT	327+05.78	13.52' LT	2.00	3.25	3.80
4-6	327+82.22	6.71' LT	327+84.01	14.28' LT	4.00	7.78	10.68
4-7	327+82.22	6.71' LT	328+04.90	1.30' LT	50.00	23.31	23.53
4-8	328+19.69	41.80' LT	328+19.76	40.30' LT	0.75	1.50	2.36
5-1	338+13.90	14.30' LT	338+13.91	16.30' LT	1.00	2.00	3.14
5-2	338+20.06	53.30' LT	338+40.97	48.72' LT	50.00	11.35	11.57
5-3	338+39.90	41.30' LT	338+40.97	48.72' LT	4.00	7.82	10.87
5-4	338+94.71	8.13' LT	338+96.76	15.59' LT	4.00	7.73	10.49
5-5	338+94.71	8.13' LT	339+19.94	1.30' LT	50.00	15.55	15.61
5-6	339+29.42	40.30' LT	339+29.41	42.30' LT	1.00	2.00	3.14
7-1	350+12.72	14.30' LT	350+12.74	16.30' LT	1.00	2.00	3.14
7-2	350+15.07	53.30' LT	350+36.18	48.71' LT	50.00	21.60	21.78
7-3	350+34.46	41.08' LT	350+36.18	48.71' LT	4.00	7.82	10.88
7-4	350+89.09	7.95' LT	350+90.96	15.50' LT	4.00	7.78	10.71
7-5	350+89.09	7.95' LT	351+16.54	1.30' LT	60.00	14.99	15.03
7-6	351+12.10	40.29' LT	351+12.14	42.32' LT	1.02	2.03	3.21
7-7	355+56.88	41.21' LT	355+56.88	41.21' LT	1.00	1.43	1.59
7-8	355+54.99	13.23' LT	355+54.70	15.23' LT	1.00	2.00	3.14
7-9	256+26.08	49.56' LT	256+51.08	25.00' LT	25.00	35.04	38.83
7-10	256+46.63	11.00' LT	256+46.64	13.00' LT	1.00	2.00	3.14
7-11	356+44.03	11.29' LT	356+46.53	14.00' LT	2.50	3.68	4.14
8-1	262+88.60	25.00' LT	263+11.52	50.36' LT	25.00	35.25	39.12
8-2	262+95.33	0.00'	263+05.49	9.73' RT	10.00	1402	15.53
8-3	263+02.52	12.83' RT	263+05.49	9.73' RT	3.00	4.25	4.73
8-4	363+02.31	13.00' LT	363+05.33	9.99' LT	3.00	4.24	4.71
8-5	362+95.29	0.00'	363+05.33	9.99' LT	10.00	14.14	15.71
8-6	263+68.35	58.33' LT	263+93.65	37.00' LT	25.00	32.96	35.98
8-7	364+11.27	9.69' LT	264+12.50	13.91' RT	6.43	12.86	20.19



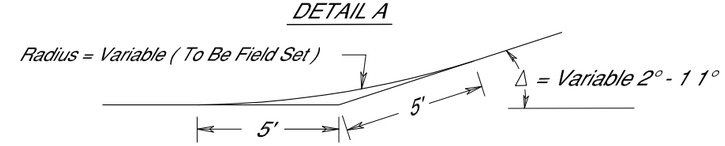
RADIAL OFFSETS

TYPICAL
STRAIGHT - LINE TAPER LANE

(Use with Curbs and/or Curb & Gutters)



DETAIL A



T - See plans for Length of T.

S/O - See plans for Stations and Offsets.

60% PLANS
NOT FOR CONSTRUCTION

No.	REVISIONS	DATE	BY

THE LANE CONSTRUCTION CORPORATION

STV Incorporated
Engineers / Architects / Planners / Construction Managers
2722 Merrilee Drive, Suite 300, Fairfax, VA 22031 (571)633-2220

CITY OF ALEXANDRIA VIRGINIA

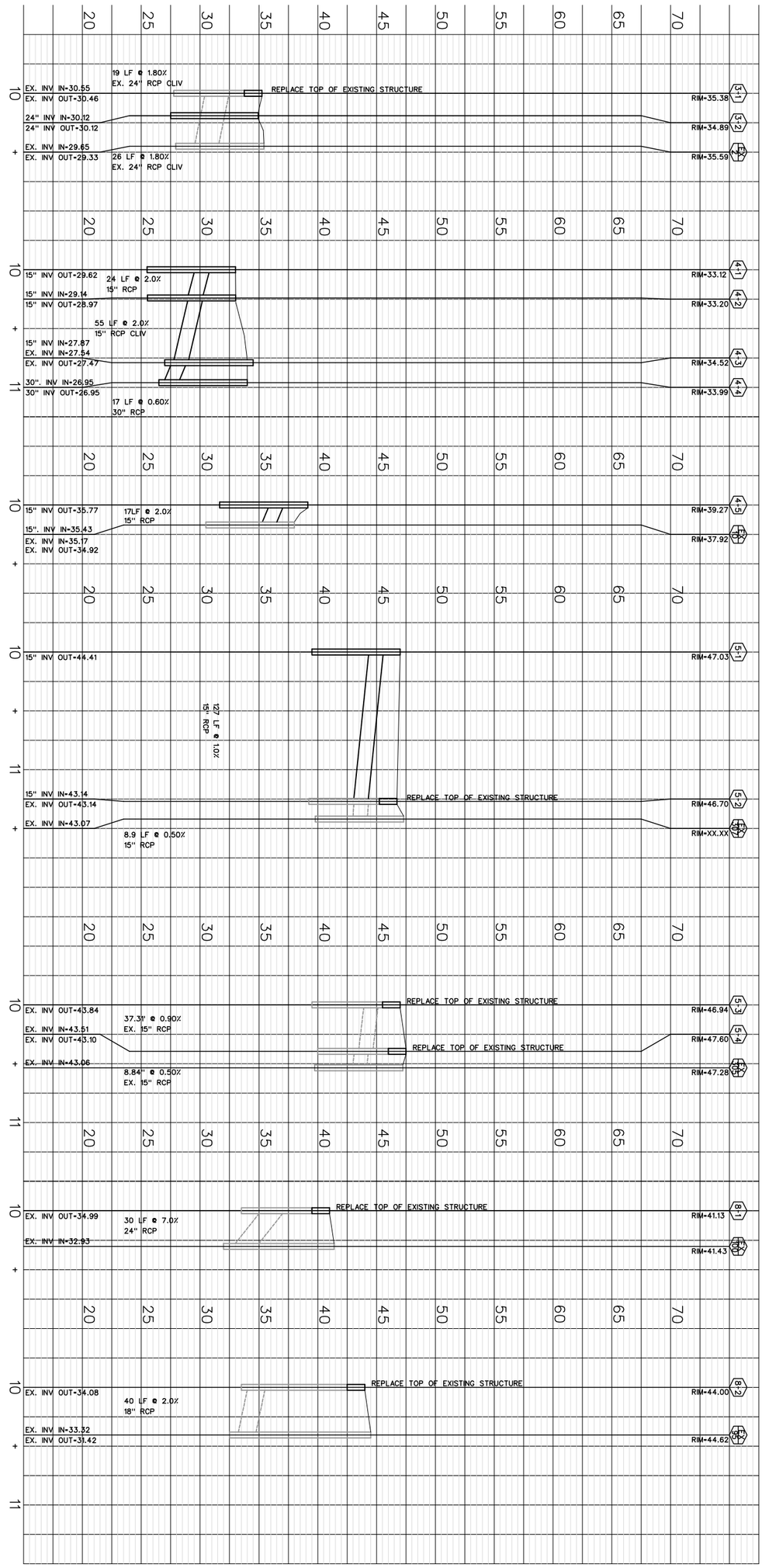
PROJECT NO. 2515453
DATE 03/28/12
SCALE:
DESIGNED BY: G.L.M.
DRAWN BY: G.L.M.
CHECKED BY: M.W.R.

RADIAL OFFSETS

JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

CITY OF ALEXANDRIA VIRGINIA

SHEET NUMBER
2D



60% PLANS
NOT FOR CONSTRUCTION

SHEET NUMBER
2E

JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

CITY OF ALEXANDRIA VIRGINIA

STORM PROFILES

PROJECT NO. 2515453
DATE 03/28/12
SCALE:
DESIGNED BY: C.D.K.
DRAWN BY: C.D.K.
CHECKED BY: M.W.R.

CITY OF ALEXANDRIA VIRGINIA

THE LANE CONSTRUCTION CORPORATION

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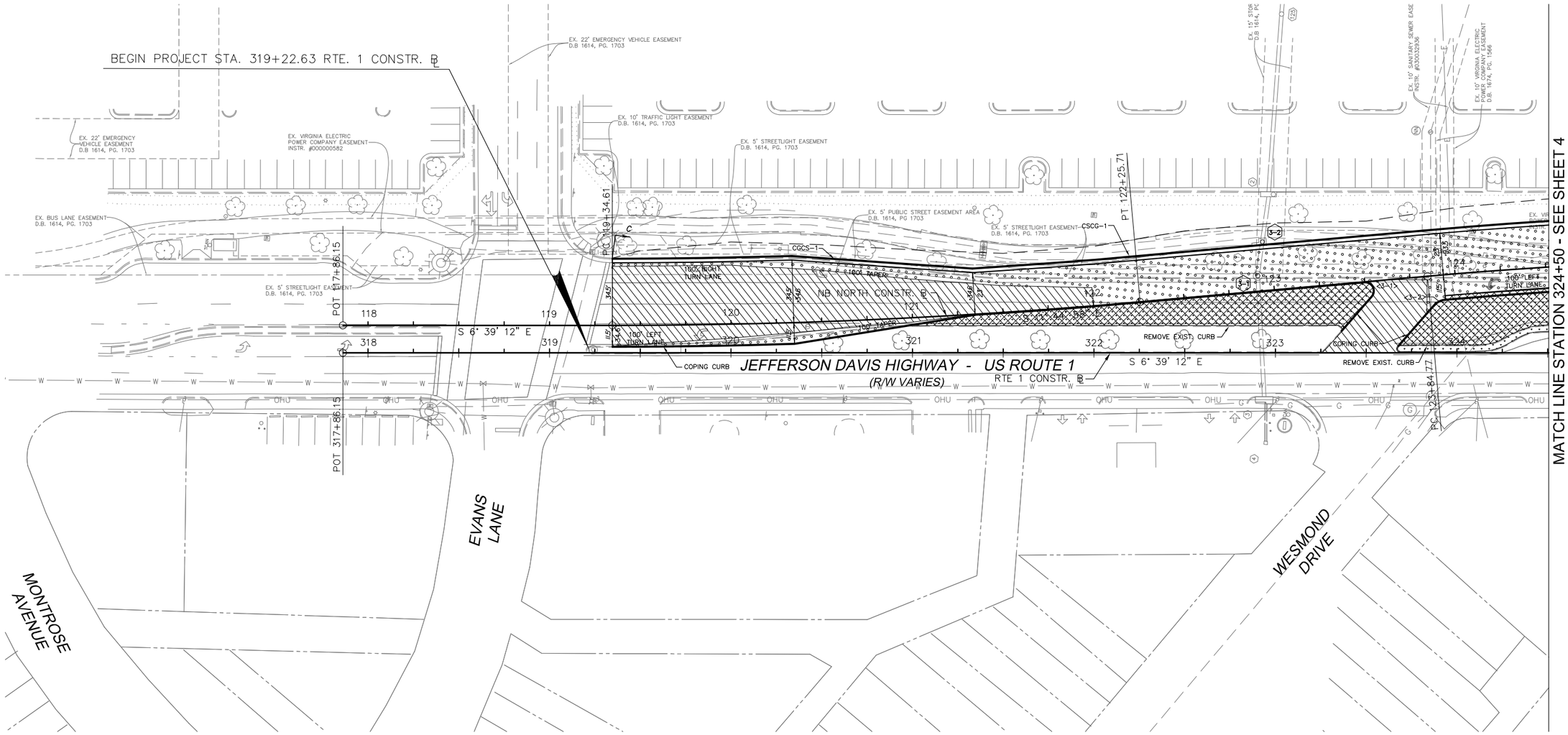
No.	REVISIONS	DATE	BY



GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

REFERENCES (PROFILES, DETAILS, ETC.)	
NB NORTH PROFILE	3B
RADIAL OFFSETS/TAPER DETAIL	2D

LEGEND

- PROPOSED ASPHALT PAVEMENT
- EXISTING PAVEMENT TO BE MILLED AND OVERLAYED
- EXISTING PAVEMENT TO BE DEMOLISHED
- PROPOSED CONCRETE
- PROPOSED CONCRETE PAVEMENT
- PROPOSED GRASS AREA
- DRY SWALE PRE-TREATMENT
- PROPOSED BIO SWALE
- EXISTING RIGHT OF WAY

60% PLANS
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No.	REVISIONS	DATE	BY

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CITY OF ALEXANDRIA VIRGINIA

PROJECT NO. 2515453
DATE 03/28/12
SCALE: 1"=30'-0"
DESIGNED BY: G.L.M.
DRAWN BY: G.L.M.
CHECKED BY: M.W.R.

PLAN SHEET

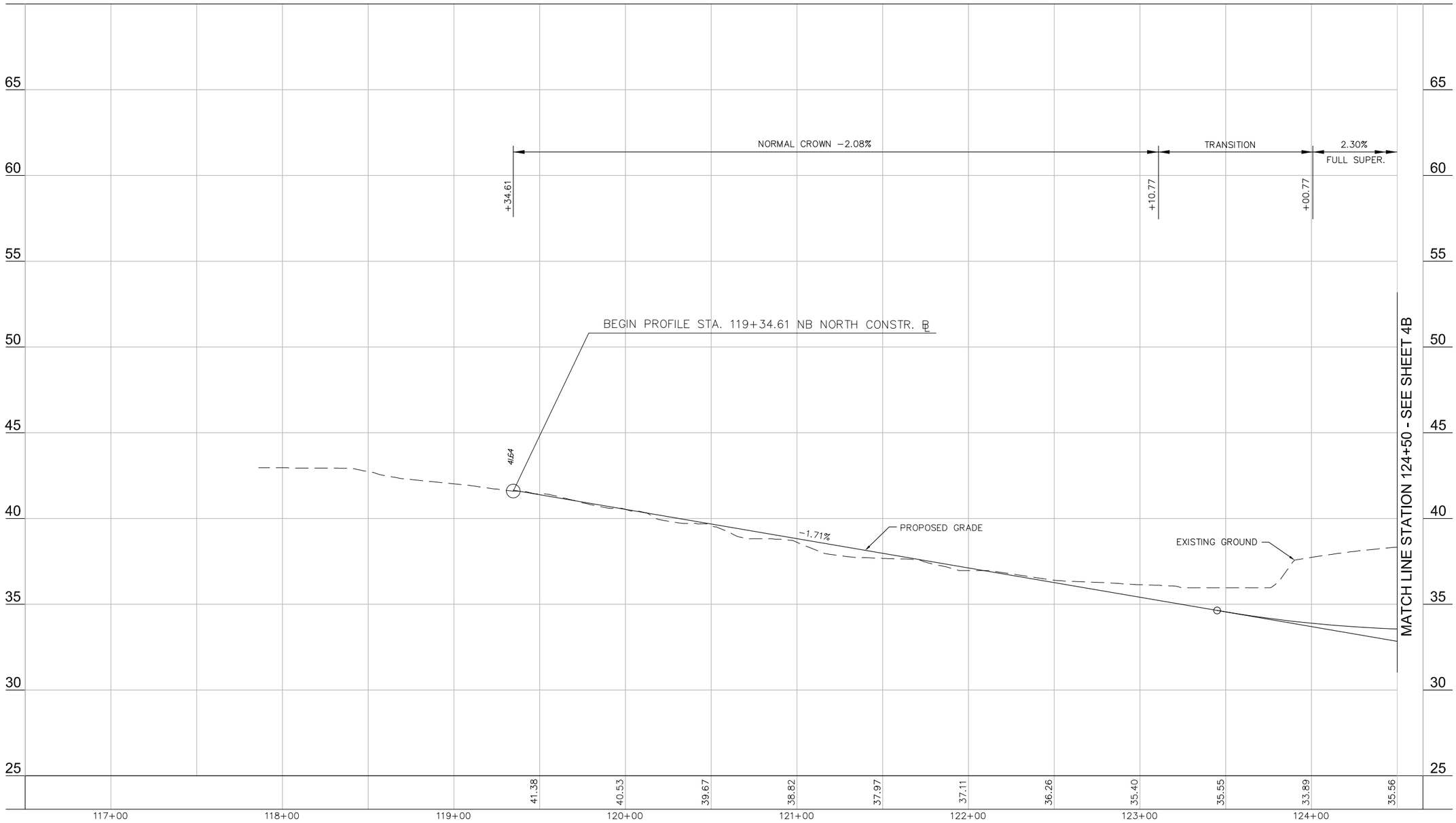
JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

CITY OF ALEXANDRIA VIRGINIA

SHEET NUMBER
3

GRAPHIC SCALE IN FEET
0 15 30 60

HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 3'



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CITY OF ALEXANDRIA VIRGINIA

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SCALE: 1"=30'-0"
DESIGNED BY: G.L.M.
DRAWN BY: G.L.M.
CHECKED BY: M.W.R.

PROFILE SHEET

JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

CITY OF ALEXANDRIA VIRGINIA

SHEET NUMBER
3B

MATCH LINE STATION 324+50 - SEE SHEET 3

MATCH LINE STATION 333+00 - SEE SHEET 5

JEFFERSON DAVIS HIGHWAY - US ROUTE 1
(R/W VARIES)

PARCEL 502
10.79501 ACRES

PARCEL 600A
2.47957 ACRES

PARCEL 602

PARCEL 601A
0.86745 ACRES

EX. FIRE STATION

EAST GLEBE ROAD

HUME AVENUE

RAYMOND AVENUE

64' R/W

S83°21'10"W 410.47'

BM#137.87

POT 127+94.15

PT 126+17.72

PI 327+92.85

PI 330+26.57

PI 332+66.69

FES
18" RCP
INV. = 37.81

FES
24" RCP
INV. = 41.72

BRT STATION PLATFORM WITH SHELTER
(SHELTER NOT INCLUDED IN THIS PROJECT)

EXISTING PUBLIC ACCESS EASEMENT
INST.# 070006317

EXISTING CONSTRUCTION & MAINTENANCE EASEMENT
INST.# 070012017

EXISTING CLEARING & GRADING EASEMENT
INST.# 070012017

EXISTING EMERGENCY VEHICLE ACCESS EASEMENT
INST.# 070006317

EXISTING EMERGENCY VEHICLE ACCESS EASEMENT
DB 1614 PG 1703

EXISTING 15' STORM DRAIN EASEMENT
DB 1614 PG 1703

EXISTING BELL ATLANTIC EASEMENT
DB 1662 PG 705

EX. 15' STORM DRAIN EASEMENT
D.B 1614, PG. 1703

EX. 10' VIRGINIA AMERICAN WATER COMPANY EASEMENT
D.B 1599, PG. 92

EX. 18" STM.

EX. ROW

EX. WALK

EX. 2" STM.

CSCG-1

COPING CURB

REMOVE EXISTING CURB

S 6° 48' 21" E

NB NORTH CONSTR.

S 6° 39' 12" E

S 6° 39' 36" E

RTE 1 CONSTR. B

VDOT CG-7

VDOT CG-3

EX 8" DIP W/M

OHU

325 326 327 328 329 330 331 332

GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

LEGEND

- PROPOSED ASPHALT PAVEMENT
- EXISTING PAVEMENT TO BE MILLED AND OVERLAYED
- EXISTING PAVEMENT TO BE DEMOLISHED
- PROPOSED CONCRETE
- PROPOSED CONCRETE PAVEMENT
- PROPOSED GRASS AREA
- DRY SWALE PRE-TREATMENT
- PROPOSED BIO SWALE
- EXISTING RIGHT OF WAY

REFERENCES (PROFILES, DETAILS, ETC.)	
ROUTE 1 PROFILE	4A
NB NORTH PROFILE	4B
CURB TRANSITION DETAIL	2B-1
RADIAL OFFSETS/TAPER DETAIL	2D

60% PLANS
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CITY OF ALEXANDRIA VIRGINIA

PROJECT NO. 2515453
DATE 03/28/12
SCALE 1"=30'-0"
DESIGNED BY: G.L.M.
DRAWN BY: G.L.M.
CHECKED BY: M.W.R.

PLAN SHEET

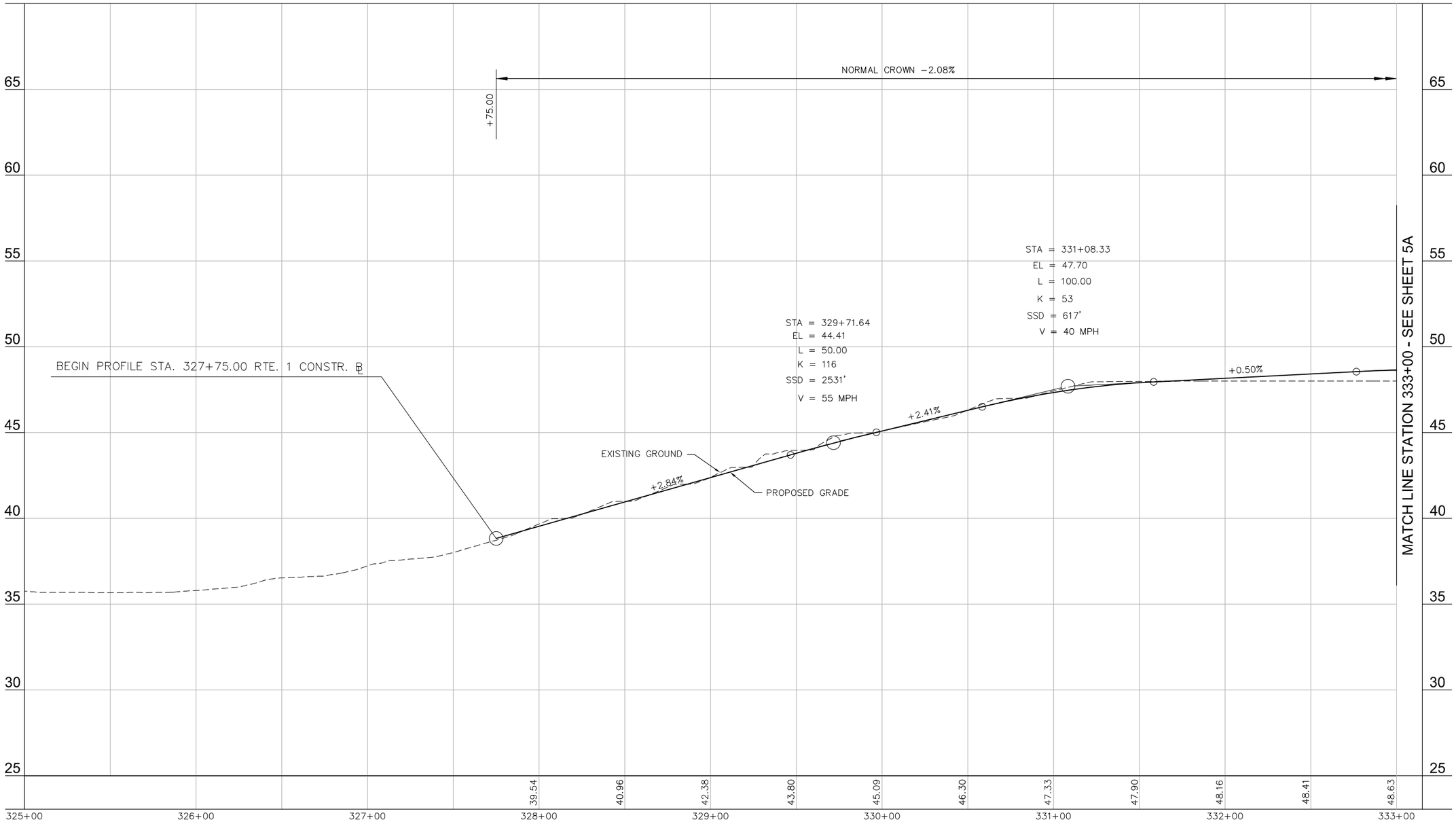
JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

CITY OF ALEXANDRIA VIRGINIA

SHEET NUMBER
4

GRAPHIC SCALE IN FEET
0 15 30 60

HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 3'



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CITY OF ALEXANDRIA VIRGINIA

PROJECT NO. 251453
DATE 03/28/12
SCALE: 1"=30'-0"
DESIGNED BY: G.L.M.
DRAWN BY: G.L.M.
CHECKED BY: M.W.R.

PROFILE SHEET

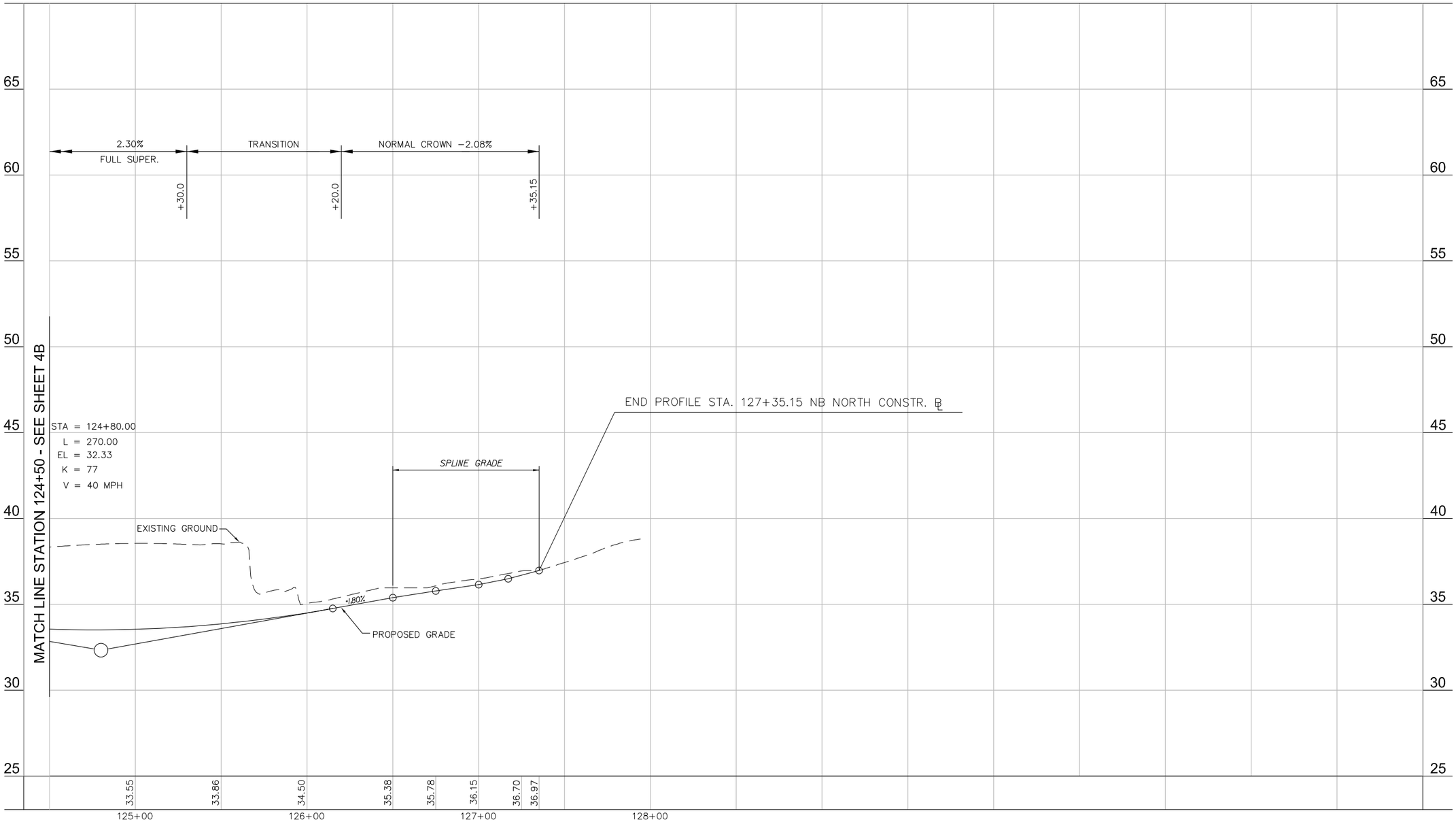
JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

CITY OF ALEXANDRIA VIRGINIA

SHEET NUMBER
4A

GRAPHIC SCALE IN FEET
0 15 30 60

HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 3'



60% PLANS
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CITY OF ALEXANDRIA VIRGINIA

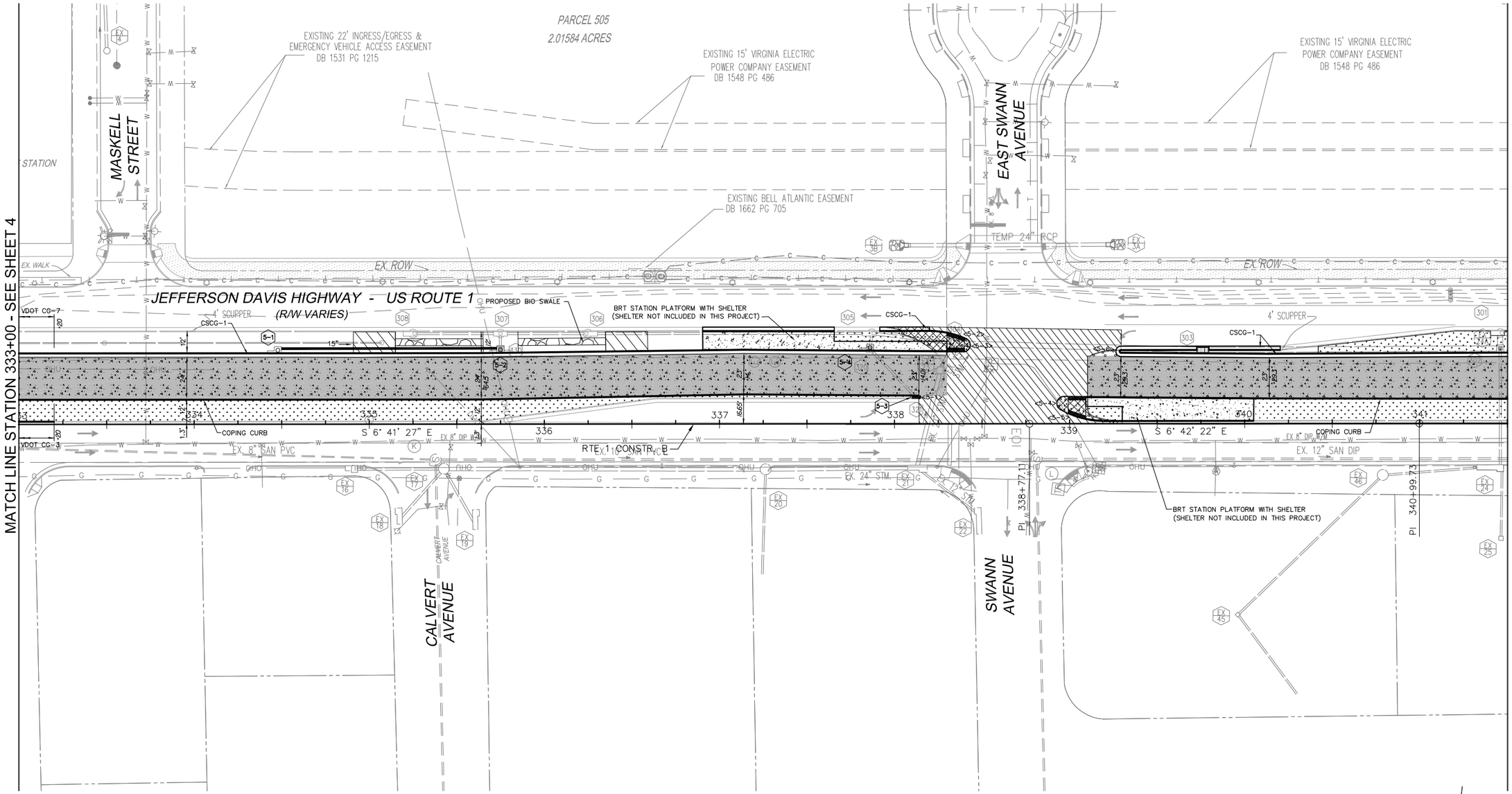
PROJECT NO. 2515453
DATE 03/28/12
SCALE: 1"=30'-0"
DESIGNED BY: G.L.M.
DRAWN BY: G.L.M.
CHECKED BY: M.W.R.

PROFILE SHEET

JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

CITY OF ALEXANDRIA VIRGINIA

SHEET NUMBER
4B



GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

LEGEND

- PROPOSED ASPHALT PAVEMENT
- EXISTING PAVEMENT TO BE MILLED AND OVERLAYED
- EXISTING PAVEMENT TO BE DEMOLISHED
- PROPOSED CONCRETE
- PROPOSED CONCRETE PAVEMENT
- PROPOSED GRASS AREA
- DRY SWALE PRE-TREATMENT
- PROPOSED BIO SWALE
- EXISTING RIGHT OF WAY

REFERENCES (PROFILES, DETAILS, ETC.)	
ROUTE 1 PROFILE	5A
CURB TRANSITION DETAIL	2B-1
BIO SWALE DETAILS	2B-2
RADIAL OFFSETS/TAPER DETAIL	2D

60% PLANS
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CITY OF ALEXANDRIA VIRGINIA

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DATE 03/28/12
SCALE: 1"=30'-0"
DESIGNED BY: G.L.M.
DRAWN BY: G.L.M.
CHECKED BY: M.W.R.

PLAN SHEET

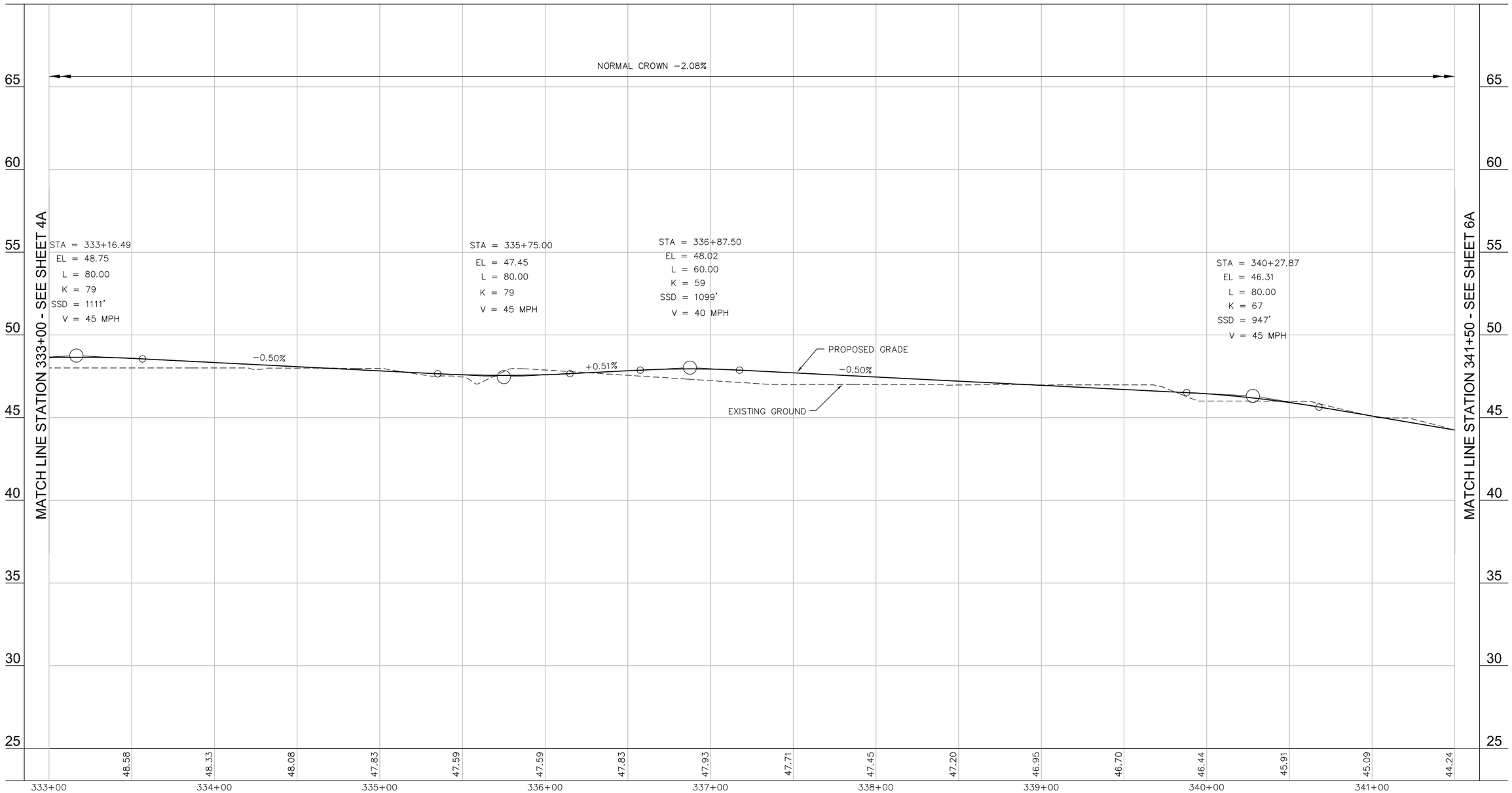
JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

CITY OF ALEXANDRIA VIRGINIA

SHEET NUMBER
5

GRAPHIC SCALE IN FEET
0 15 30 60

HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 3'



60% PLANS
NOT FOR CONSTRUCTION

No.	REVISIONS	DATE	BY

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CITY OF ALEXANDRIA VIRGINIA

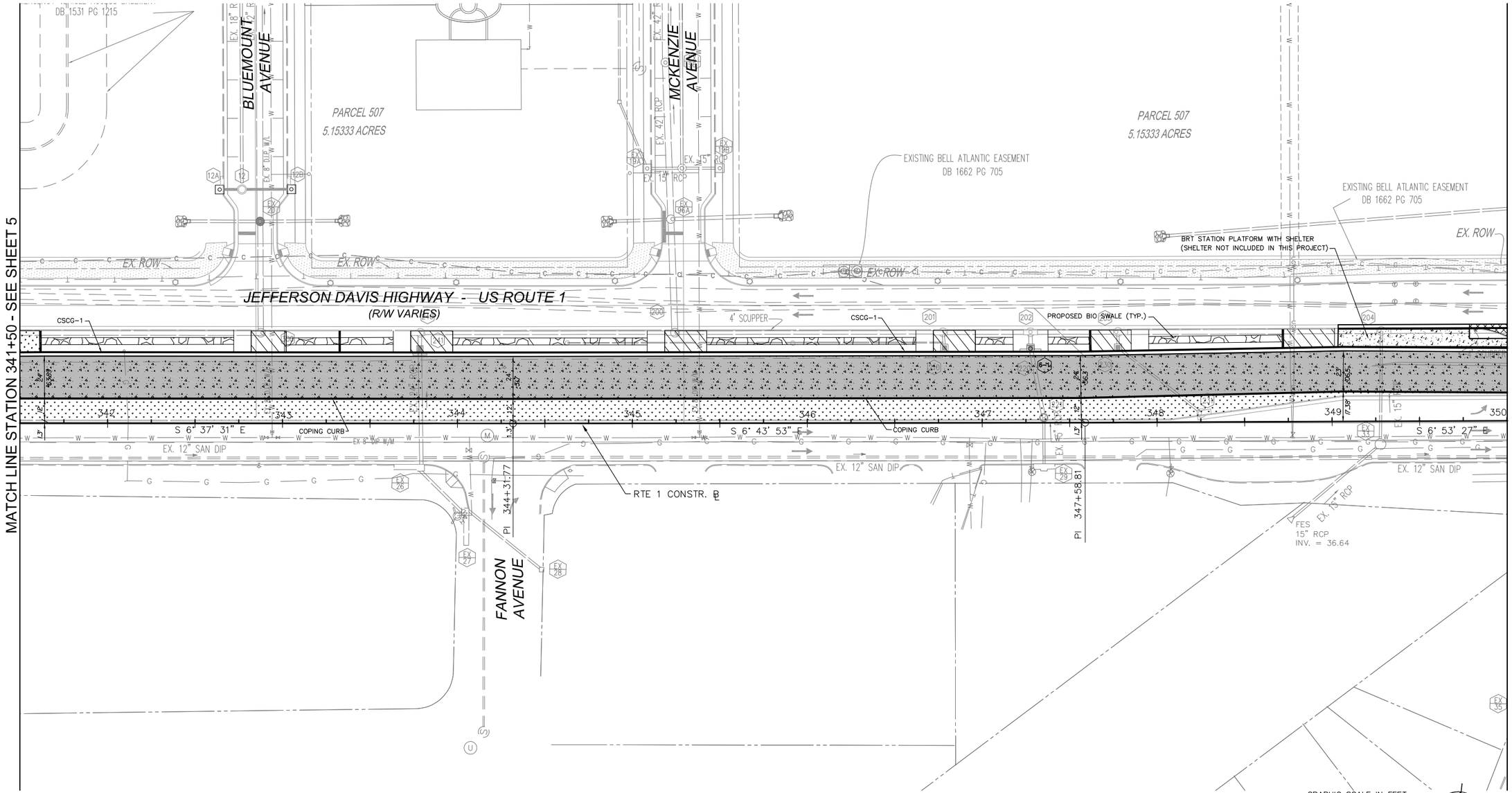
PROJECT NO. 2515453
DATE 03/28/12
SCALE: 1"=30'-0"
DESIGNED BY: G.L.M.
DRAWN BY: G.L.M.
CHECKED BY: M.W.R.

PROFILE SHEET

JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

CITY OF ALEXANDRIA VIRGINIA

SHEET NUMBER
5A



LEGEND

- PROPOSED ASPHALT PAVEMENT
- EXISTING PAVEMENT TO BE MILLED AND OVERLAYED
- EXISTING PAVEMENT TO BE DEMOLISHED
- PROPOSED CONCRETE
- PROPOSED CONCRETE PAVEMENT
- PROPOSED GRASS AREA
- DRY SWALE PRE-TREATMENT
- PROPOSED BIO SWALE
- EXISTING RIGHT OF WAY

REFERENCES (PROFILES, DETAILS, ETC.)	
ROUTE 1 PROFILE	6A
CURB TRANSITION DETAIL	2B-1
BIO SWALE DETAILS	2B-2
RADIAL OFFSETS/TAPER DETAIL	2D

60% PLANS
NOT FOR CONSTRUCTION

No.	REVISIONS	DATE	BY

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Engineers / Architects / Planners / Construction Managers
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CITY OF ALEXANDRIA VIRGINIA

PROJECT NO. 2515453
DATE 03/28/12
SCALE: 1"=30'-0"
DESIGNED BY: G.L.M.
DRAWN BY: G.L.M.
CHECKED BY: M.W.R.

PLAN SHEET

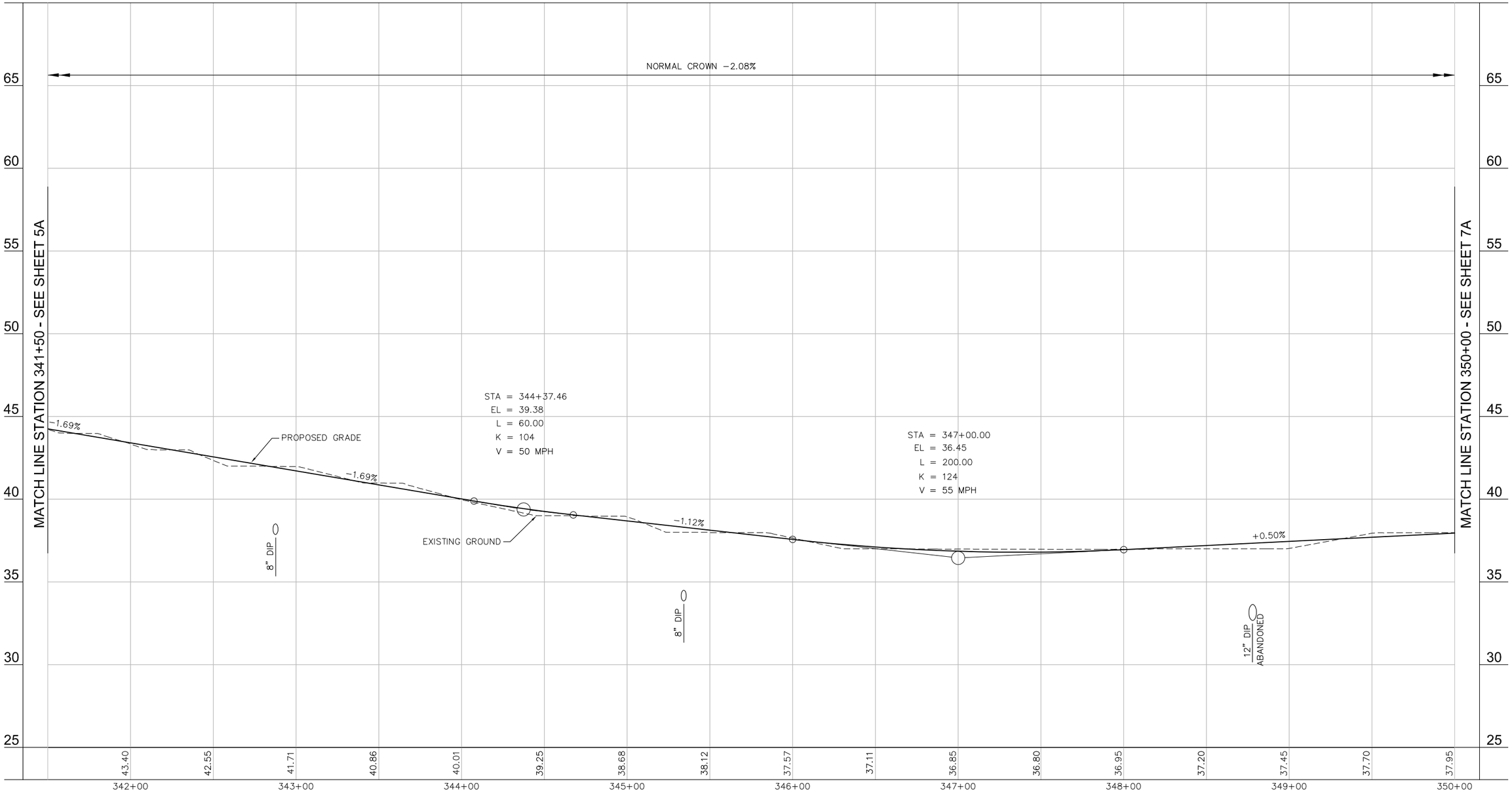
JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

CITY OF ALEXANDRIA VIRGINIA

SHEET NUMBER
6

GRAPHIC SCALE IN FEET
0 15 30 60

HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 3'



60% PLANS
NOT FOR CONSTRUCTION

No.	REVISIONS	DATE	BY

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CITY OF ALEXANDRIA VIRGINIA

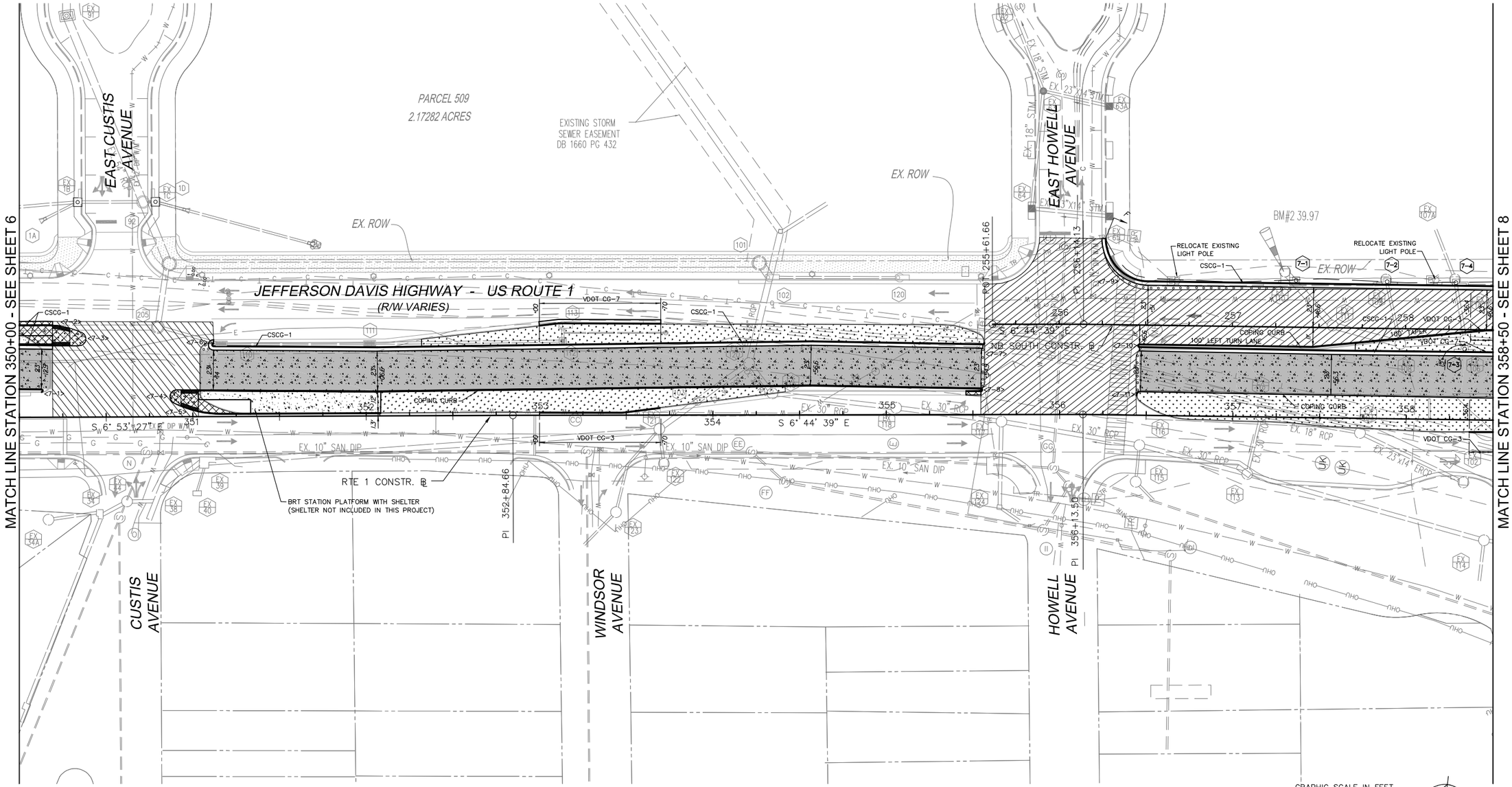
PROJECT NO. 2515453
DATE 03/28/12
SCALE: 1"=30'-0"
DESIGNED BY: G.L.M.
DRAWN BY: G.L.M.
CHECKED BY: M.W.R.

PROFILE SHEET

JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

CITY OF ALEXANDRIA VIRGINIA

SHEET NUMBER
6A



LEGEND

- PROPOSED ASPHALT PAVEMENT
- EXISTING PAVEMENT TO BE MILLED AND OVERLAYED
- EXISTING PAVEMENT TO BE DEMOLISHED
- PROPOSED CONCRETE
- PROPOSED CONCRETE PAVEMENT
- PROPOSED GRASS AREA
- DRY SWALE PRE-TREATMENT
- PROPOSED BIO SWALE
- EXISTING RIGHT OF WAY

REFERENCES (PROFILES, DETAILS, ETC.)	
ROUTE 1 PROFILE	7A
NB NORTH PROFILE	7B
CURB TRANSITION DETAIL	2B-1
RADIAL OFFSETS/TAPER DETAIL	2D

60% PLANS
NOT FOR CONSTRUCTION

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DESIGNED BY: G.L.M.
DRAWN BY: G.L.M.
CHECKED BY: M.W.R.

PLAN SHEET

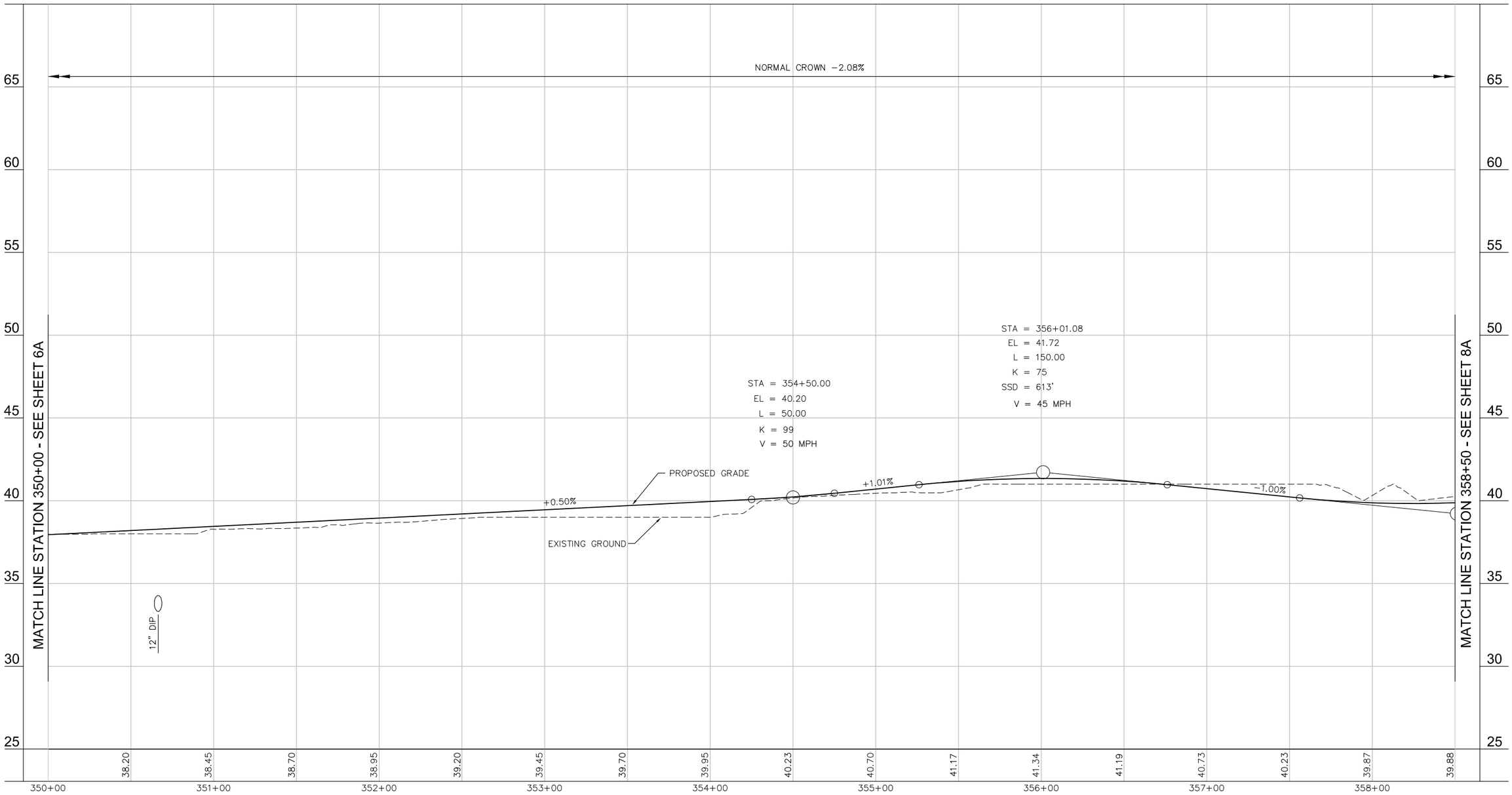
JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

CITY OF ALEXANDRIA VIRGINIA

SHEET NUMBER
7

GRAPHIC SCALE IN FEET
0 15 30 60

HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 3'



60% PLANS
NOT FOR CONSTRUCTION

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Engineers / Architects / Planners / Construction Managers
2722 Merrilee Drive, Suite 300, Fairfax, VA 22031 (571)633-2220

CITY OF ALEXANDRIA VIRGINIA

PROJECT NO. 2515453
DATE 03/28/12
SCALE 1"=30'-0"
DESIGNED BY: G.L.M.
DRAWN BY: G.L.M.
CHECKED BY: M.W.R.

PROFILE SHEET

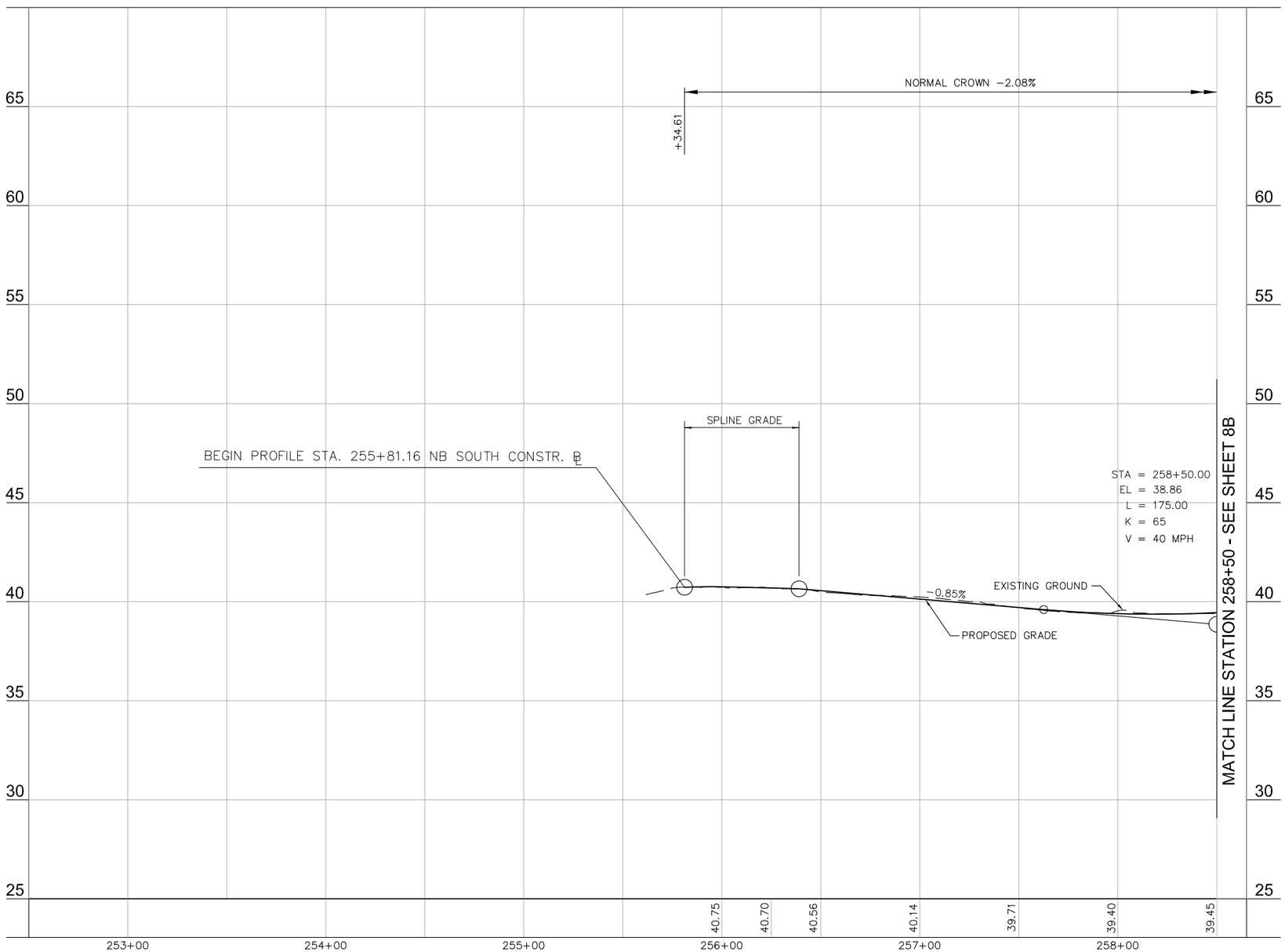
JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

CITY OF ALEXANDRIA VIRGINIA

SHEET NUMBER
7A

GRAPHIC SCALE IN FEET
0 15 30 60

HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 3'



60% PLANS
NOT FOR CONSTRUCTION

No.	REVISIONS	DATE	BY

THE LANE CONSTRUCTION CORPORATION

STV Incorporated
Engineers / Architects / Planners / Construction Managers
2722 Merrilee Drive, Suite 300, Fairfax, VA 22031 (571)633-2220

CITY OF ALEXANDRIA VIRGINIA

PROJECT NO. 2515453
DATE 03/28/12
SCALE: 1"=30'-0"
DESIGNED BY: G.L.M.
DRAWN BY: G.L.M.
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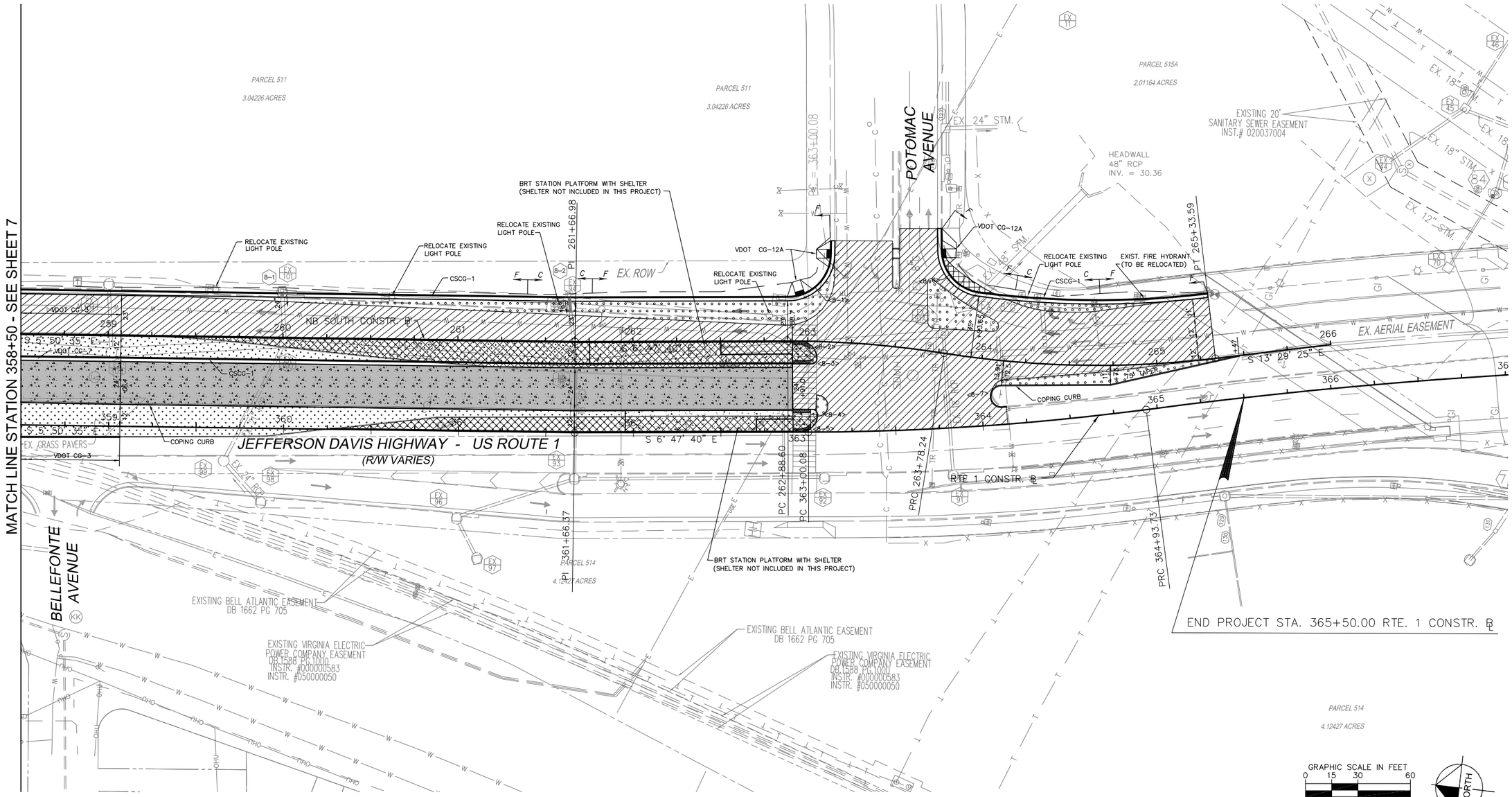
PROFILE SHEET

JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

CITY OF ALEXANDRIA VIRGINIA

SHEET NUMBER
7B



LEGEND

- PROPOSED ASPHALT PAVEMENT
- EXISTING PAVEMENT TO BE MILLED AND OVERLAYED
- EXISTING PAVEMENT TO BE DEMOLISHED
- PROPOSED CONCRETE
- PROPOSED CONCRETE PAVEMENT
- PROPOSED GRASS AREA
- DRY SWALE PRE-TREATMENT
- PROPOSED BIO SWALE
- EXISTING RIGHT OF WAY

REFERENCES (PROFILES, DETAILS, ETC.)	
ROUTE 1 PROFILE	8A
NB NORTH PROFILE	8B
CURB TRANSITION DETAIL	2B-1
RADIAL OFFSETS/TAPER DETAIL	2D

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CITY OF ALEXANDRIA VIRGINIA

PROJECT NO. 2515453
DATE 03/28/12
SCALE: 1" = 30'-0"
DESIGNED BY: G.L.M.
DRAWN BY: G.L.M.
CHECKED BY: M.W.R.

PLAN SHEET

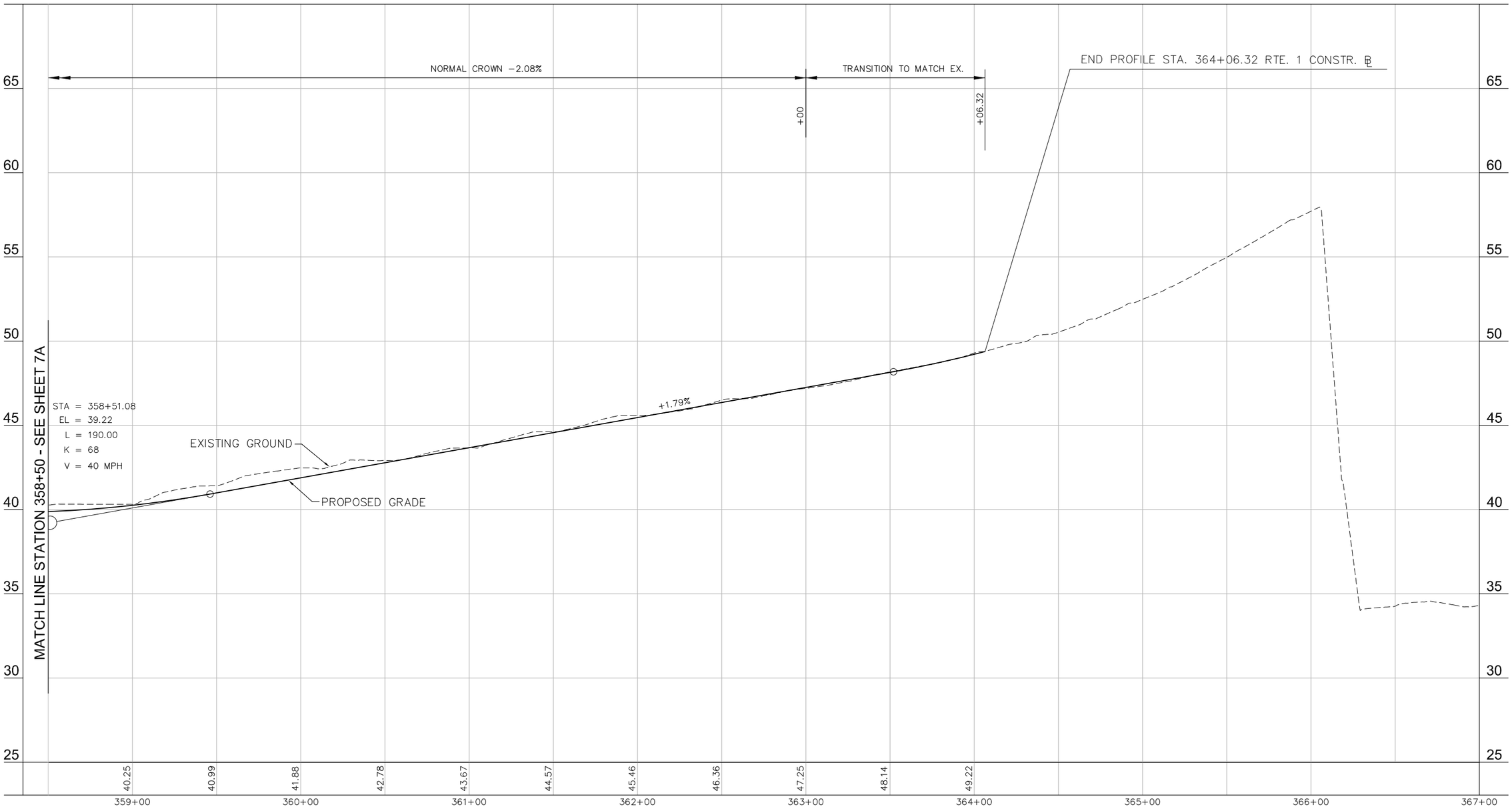
JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

CITY OF ALEXANDRIA VIRGINIA

SHEET NUMBER
8

GRAPHIC SCALE IN FEET
0 15 30 60

HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 3'



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CITY OF ALEXANDRIA VIRGINIA

PROJECT NO. 2515453
DATE 03/28/12
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DESIGNED BY: G.L.M.
DRAWN BY: G.L.M.
CHECKED BY: M.W.R.

PROFILE SHEET

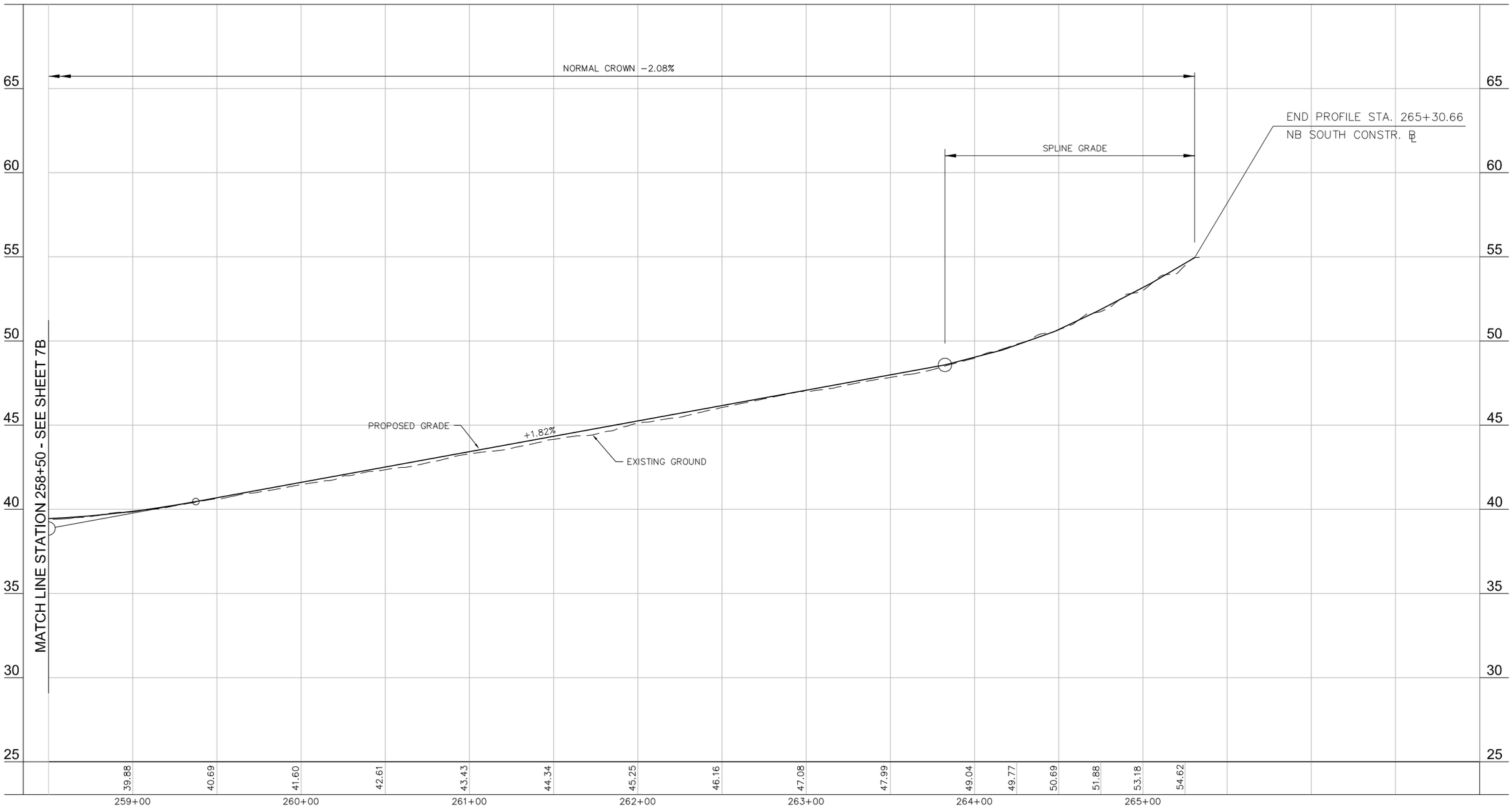
JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

CITY OF ALEXANDRIA VIRGINIA

SHEET NUMBER
8A

GRAPHIC SCALE IN FEET
0 15 30 60

HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 3'



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PROFILE SHEET

JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

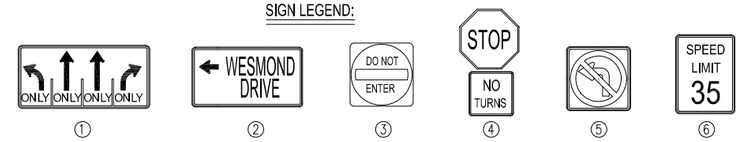
CITY OF ALEXANDRIA VIRGINIA

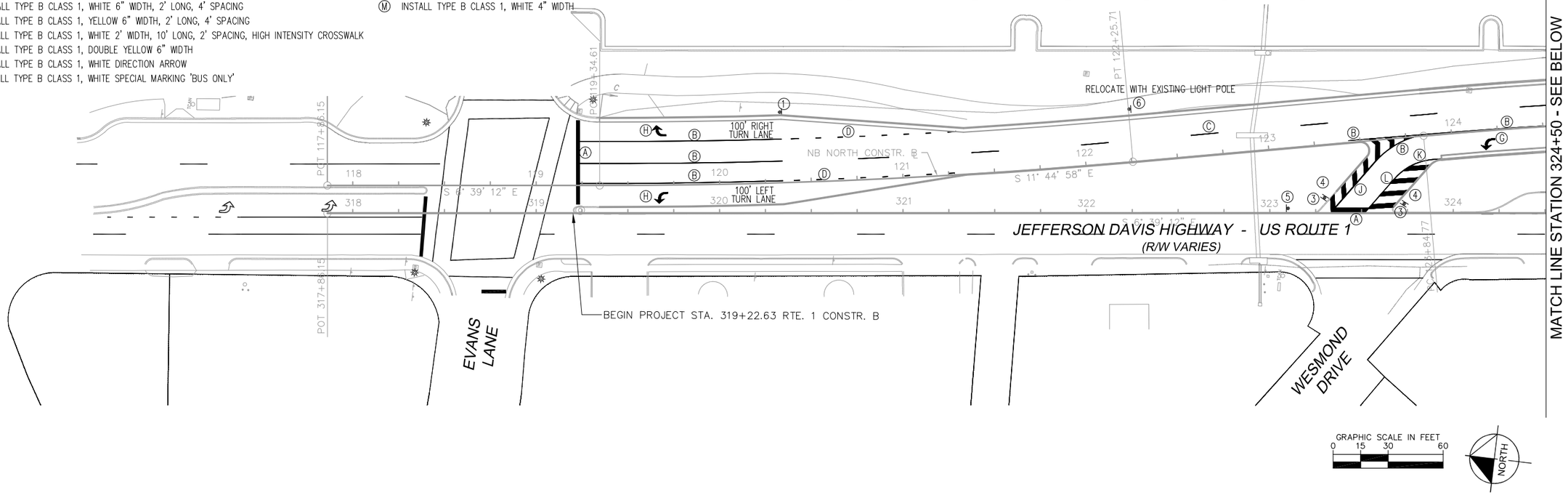
SHEET NUMBER
8B

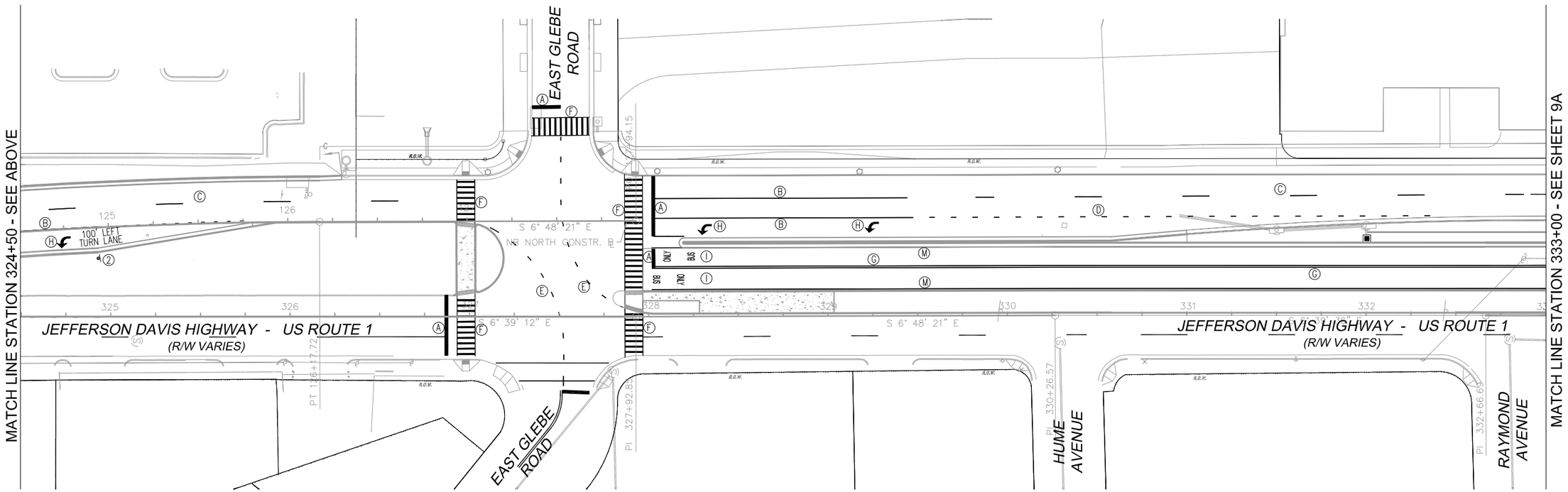
STANDARD PAVEMENT MARKING LEGEND:

- (A) INSTALL TYPE B CLASS 1, WHITE 24" WIDTH
- (B) INSTALL TYPE B CLASS 1, WHITE 6" WIDTH
- (C) INSTALL TYPE B CLASS 1, WHITE 6' WIDTH, 10' LONG, 30' SPACING
- (D) INSTALL TYPE B CLASS 1, WHITE 6" WIDTH, 2' LONG, 4' SPACING
- (E) INSTALL TYPE B CLASS 1, YELLOW 6" WIDTH, 2' LONG, 4' SPACING
- (F) INSTALL TYPE B CLASS 1, WHITE 2' WIDTH, 10' LONG, 2' SPACING, HIGH INTENSITY CROSSWALK
- (G) INSTALL TYPE B CLASS 1, DOUBLE YELLOW 6" WIDTH
- (H) INSTALL TYPE B CLASS 1, WHITE DIRECTION ARROW
- (I) INSTALL TYPE B CLASS 1, WHITE SPECIAL MARKING 'BUS ONLY'
- (J) INSTALL TYPE B CLASS 1, WHITE 24" WIDTH GORE MARKINGS
- (K) INSTALL TYPE B CLASS 1, YELLOW 6" WIDTH
- (L) INSTALL TYPE B CLASS 1, YELLOW 24" WIDTH GORE MARKINGS
- (M) INSTALL TYPE B CLASS 1, WHITE 4" WIDTH

SIGN LEGEND:







60% PLANS
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THE LANE CONSTRUCTION CORPORATION

STV Incorporated
Engineers / Architects / Planners / Construction Managers
2722 Merrilee Drive, Suite 200, Fairfax, VA 22031 (571)353-2230

CITY OF ALEXANDRIA VIRGINIA

PROJECT NO. 2515453
DATE 03/28/12
SCALE: 1" = 30'-0"
DESIGNED BY: W.B.K.
DRAWN BY: R.W.M.
CHECKED BY: B.A.B.

PAVEMENT MARKINGS & SIGNING PLAN

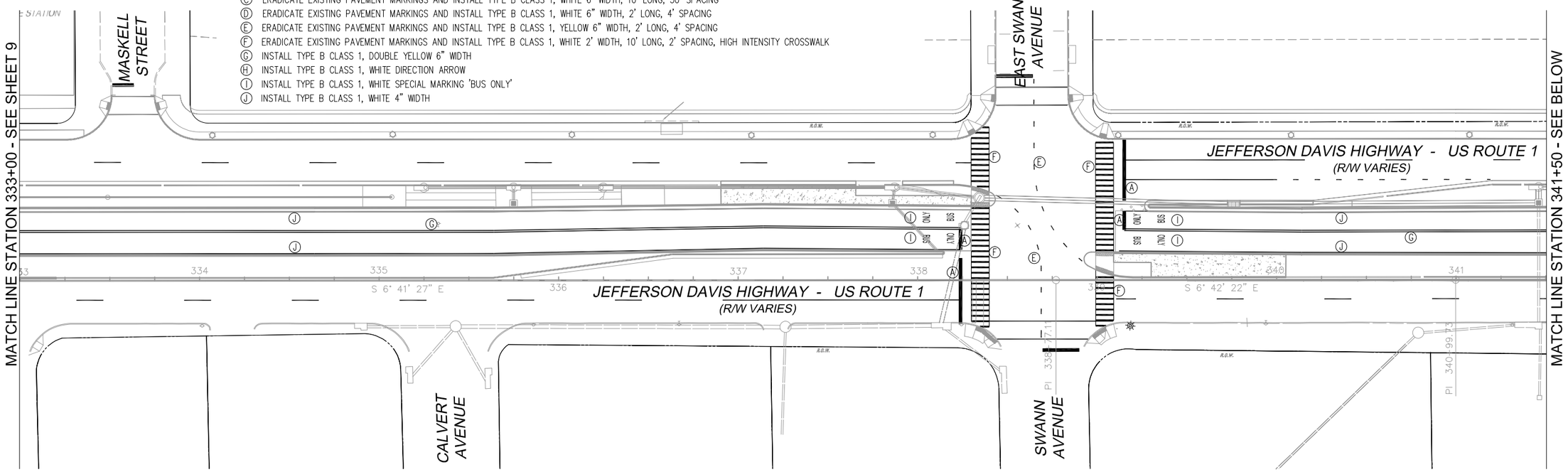
JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

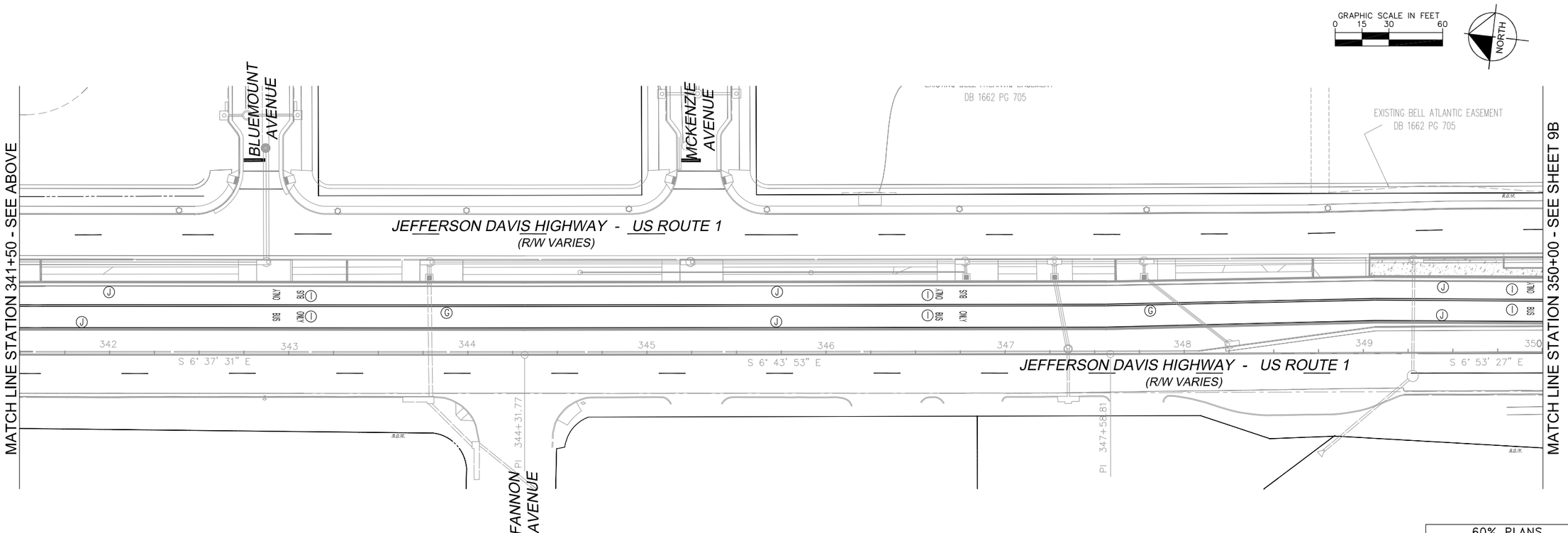
CITY OF ALEXANDRIA VIRGINIA

SHEET NUMBER
9

STANDARD PAVEMENT MARKING LEGEND:

- Ⓐ ERADICATE EXISTING PAVEMENT MARKINGS AND INSTALL TYPE B CLASS 1, WHITE 24" WIDTH
- Ⓑ ERADICATE EXISTING PAVEMENT MARKINGS AND INSTALL TYPE B CLASS 1, WHITE 6" WIDTH
- Ⓒ ERADICATE EXISTING PAVEMENT MARKINGS AND INSTALL TYPE B CLASS 1, WHITE 6' WIDTH, 10' LONG, 30' SPACING
- Ⓓ ERADICATE EXISTING PAVEMENT MARKINGS AND INSTALL TYPE B CLASS 1, WHITE 6" WIDTH, 2' LONG, 4' SPACING
- Ⓔ ERADICATE EXISTING PAVEMENT MARKINGS AND INSTALL TYPE B CLASS 1, YELLOW 6" WIDTH, 2' LONG, 4' SPACING
- Ⓕ ERADICATE EXISTING PAVEMENT MARKINGS AND INSTALL TYPE B CLASS 1, WHITE 2' WIDTH, 10' LONG, 2' SPACING, HIGH INTENSITY CROSSWALK
- Ⓖ INSTALL TYPE B CLASS 1, DOUBLE YELLOW 6" WIDTH
- Ⓗ INSTALL TYPE B CLASS 1, WHITE DIRECTION ARROW
- Ⓘ INSTALL TYPE B CLASS 1, WHITE SPECIAL MARKING 'BUS ONLY'
- Ⓙ INSTALL TYPE B CLASS 1, WHITE 4" WIDTH





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CITY OF ALEXANDRIA VIRGINIA

PROJECT NO. 2515453
DATE 03/28/12
SCALE 1" = 30'-0"
DESIGNED BY: W.B.K.
DRAWN BY: R.W.M.
CHECKED BY: B.A.B.

PAVEMENT MARKINGS & SIGNING PLAN

JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

CITY OF ALEXANDRIA VIRGINIA

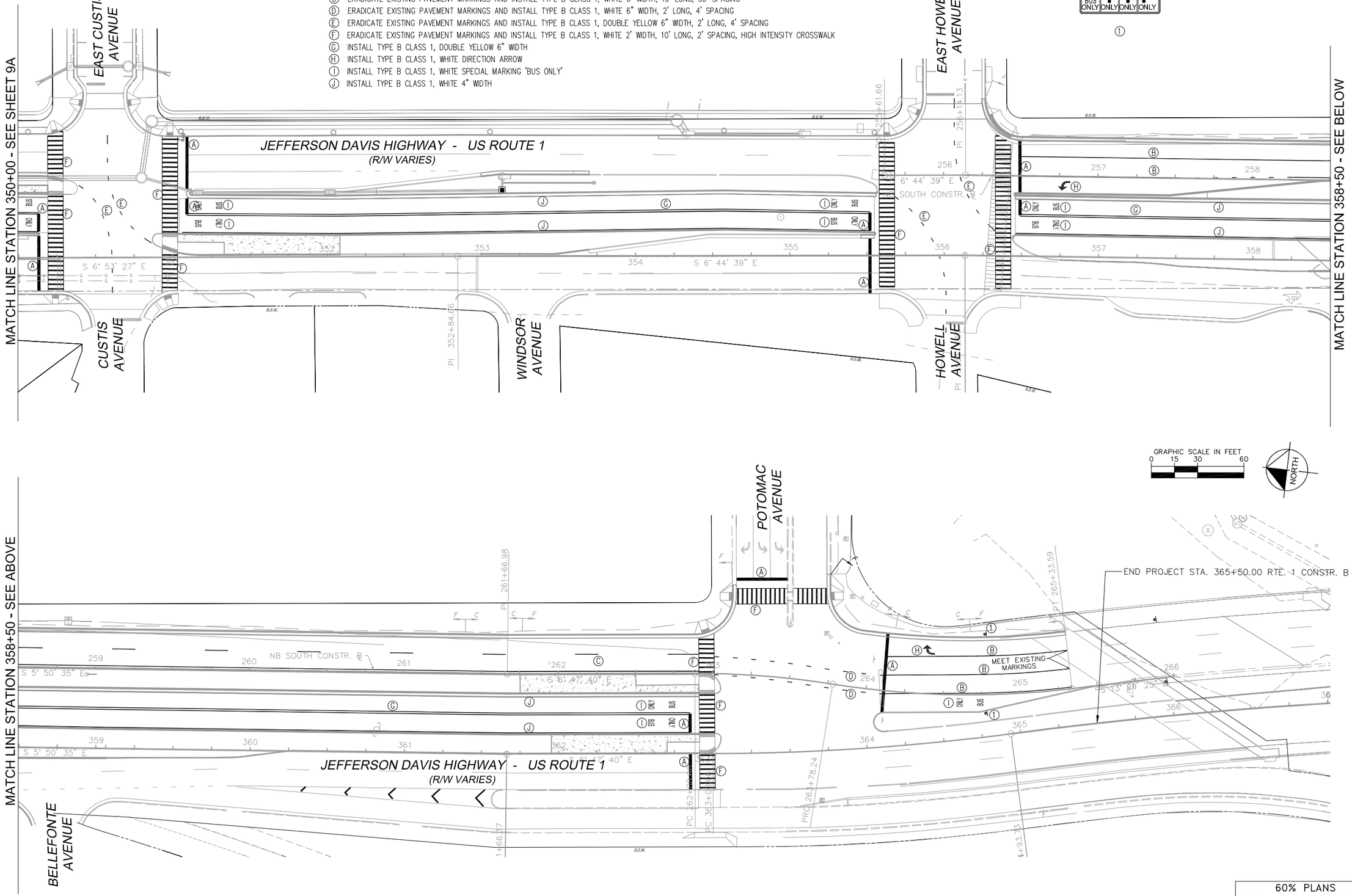
SHEET NUMBER
9A

STANDARD PAVEMENT MARKING LEGEND:

- (A) ERADICATE EXISTING PAVEMENT MARKINGS AND INSTALL TYPE B CLASS 1, WHITE 24" WIDTH
- (B) ERADICATE EXISTING PAVEMENT MARKINGS AND INSTALL TYPE B CLASS 1, WHITE 6" WIDTH
- (C) ERADICATE EXISTING PAVEMENT MARKINGS AND INSTALL TYPE B CLASS 1, WHITE 6' WIDTH, 10' LONG, 30' SPACING
- (D) ERADICATE EXISTING PAVEMENT MARKINGS AND INSTALL TYPE B CLASS 1, WHITE 6" WIDTH, 2' LONG, 4' SPACING
- (E) ERADICATE EXISTING PAVEMENT MARKINGS AND INSTALL TYPE B CLASS 1, DOUBLE YELLOW 6" WIDTH, 2' LONG, 4' SPACING
- (F) ERADICATE EXISTING PAVEMENT MARKINGS AND INSTALL TYPE B CLASS 1, WHITE 2' WIDTH, 10' LONG, 2' SPACING, HIGH INTENSITY CROSSWALK
- (G) INSTALL TYPE B CLASS 1, DOUBLE YELLOW 6" WIDTH
- (H) INSTALL TYPE B CLASS 1, WHITE DIRECTION ARROW
- (I) INSTALL TYPE B CLASS 1, WHITE SPECIAL MARKING 'BUS ONLY'
- (J) INSTALL TYPE B CLASS 1, WHITE 4" WIDTH

SIGN LEGEND:

(1)



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NOT FOR CONSTRUCTION

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STV Incorporated
Engineers / Architects / Planners / Construction Managers
2722 Merrilee Drive, Suite 200, Fairfax, VA 22031 (571)353-2230

CITY OF ALEXANDRIA VIRGINIA

PROJECT NO. 2515453
DATE 03/28/12
SCALE: 1" = 30'-0"
DESIGNED BY: W.B.K.
DRAWN BY: R.W.M.
CHECKED BY: B.A.B.

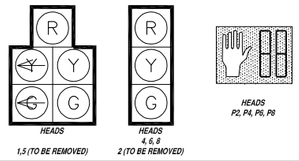
PAVEMENT MARKINGS & SIGNING PLAN

JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

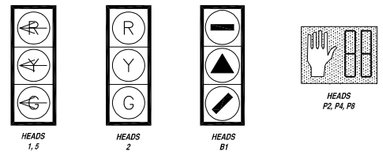
CITY OF ALEXANDRIA VIRGINIA

SHEET NUMBER
9B

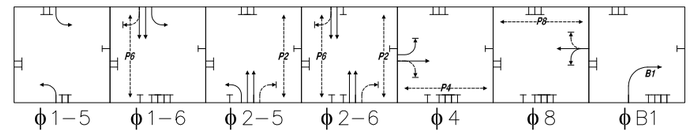
EXISTING SIGNALS



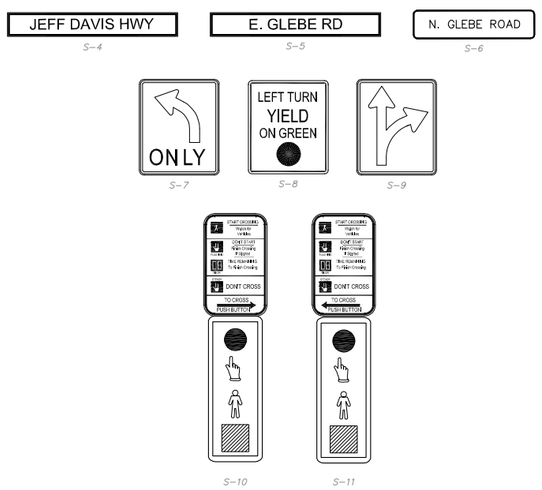
PROPOSED SIGNALS



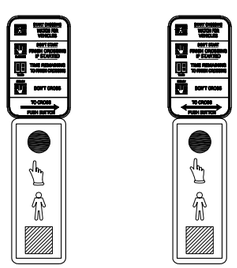
PROPOSED PHASING DIAGRAM

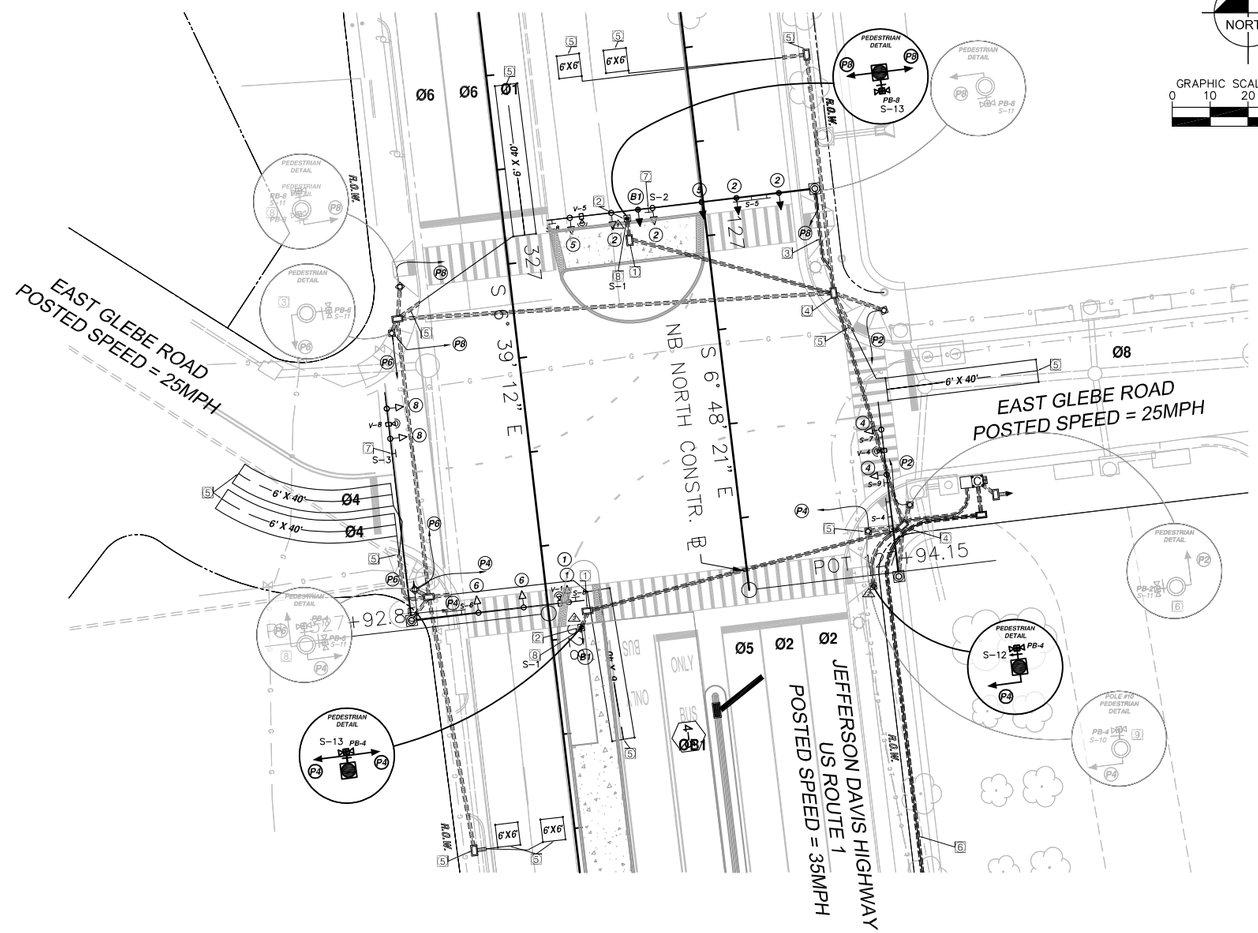


EXISTING SIGNS



PROPOSED ACCESSIBLE PEDESTRIAN PUSHBUTTON





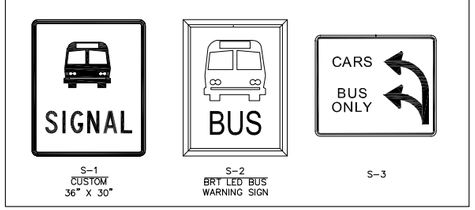
EXISTING VIDEO DETECTION

V1, V4, V5, V8

CONSTRUCTION NOTES

1. INSTALL JB-S3
2. INSTALL NEW 15' PEDESTAL POLE WITH PF-2 FOUNDATION AND BREAK-AWAY BASE
3. USE EXISTING CONDUIT
4. USE EXISTING JUNCTION BOX
5. REMOVE AND DISPOSE OR ABANDON EXISTING TRAFFIC SIGNAL EQUIPMENT
6. REMOVE INTERCONNECT CABLE AND RUN PROPOSED INTERCONNECT CABLE TO GLEBE RD CABINET.
7. INSTALL SIGN ON MAST ARM
8. INSTALL SIGN ON PEDESTAL POLE

PROPOSED SIGNS



LEGEND

EXISTING	PROPOSED	
C		CONTROLLER CABINET WITH SWITCH AND METER ASSEMBLY
		TRAFFIC SIGNAL POLE
		10 'PEDESTAL POLE
		TRAFFIC SIGNAL HEAD

PROPOSED POLE LEGEND

PROPOSED POLE	SOUTHBOUND STATION	OFFSET
⚠	326+91	-32.7
⚠	327+95	-107.1
⚠	327+95	-8.2

60% PLANS
NOT FOR CONSTRUCTION

No.	REVISIONS	DATE	BY

THE LANE CONSTRUCTION CORPORATION

STV Incorporated
Engineers / Architects / Planners / Construction Managers
2121 Eisenhower Drive, Suite 200, Dallas, VA 22303 (571)543-2230

CITY OF ALEXANDRIA VIRGINIA

PROJECT NO. 2515453
DATE 03/28/12
SCALE: 1" = 20'-0"
DESIGNED BY: W.B.K.
DRAWN BY: R.W.M.
CHECKED BY: B.A.B.

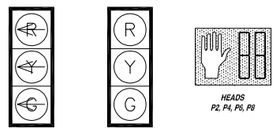
TRAFFIC SIGNAL MODIFICATION PLAN
RT. 1 & E. GLEBE RD.

JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

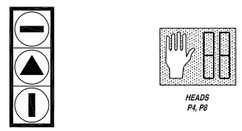
CITY OF ALEXANDRIA VIRGINIA

SHEET NUMBER
10

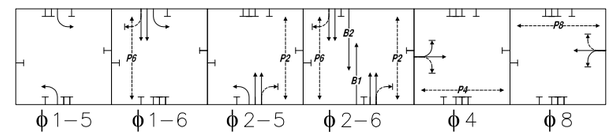
EXISTING SIGNALS



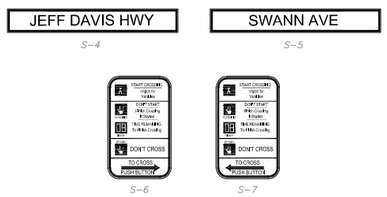
PROPOSED SIGNALS



PROPOSED PHASING DIAGRAM



EXISTING SIGNS



PROPOSED ACCESSIBLE PEDESTRIAN PUSHBUTTON

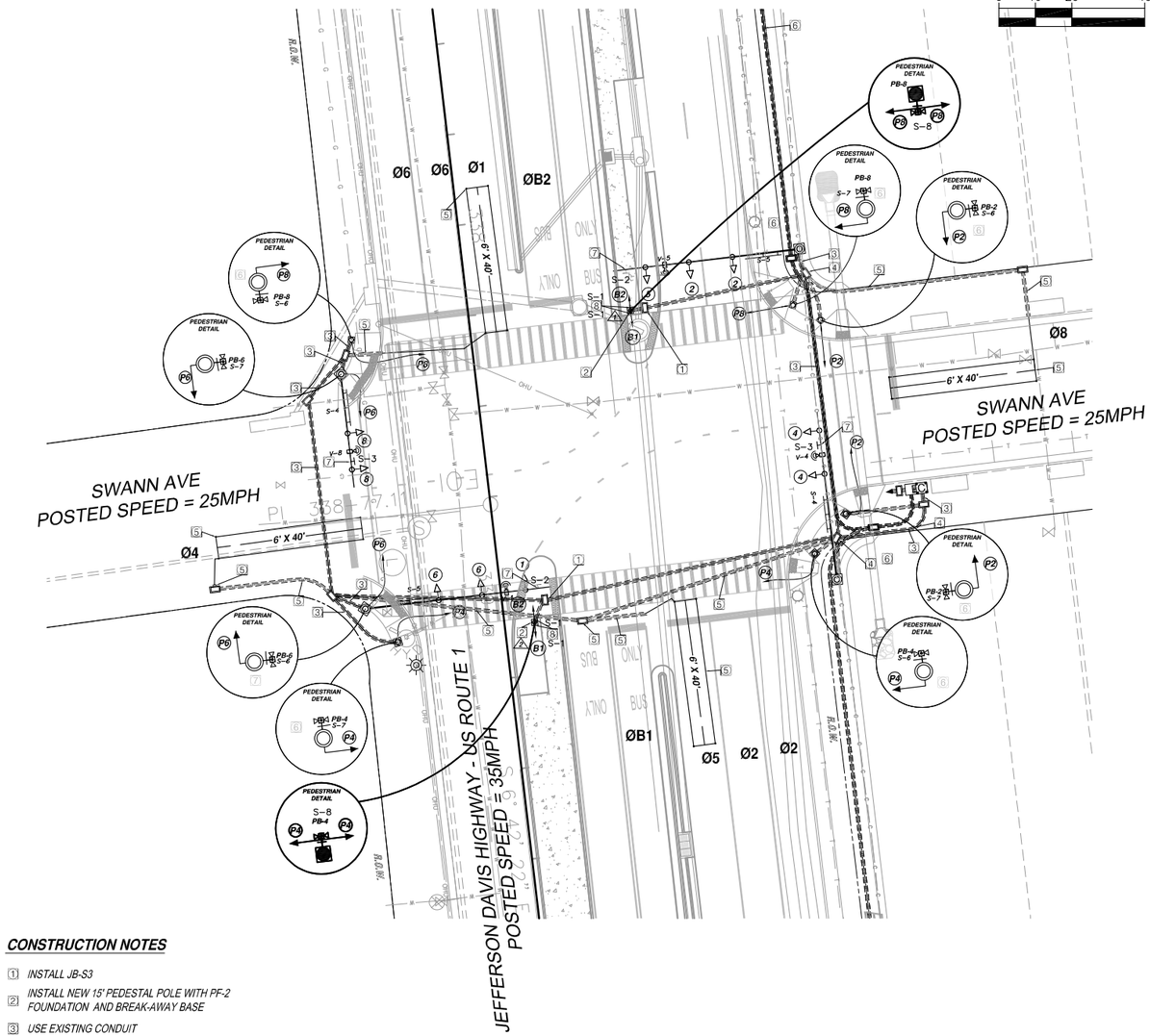
S–8
R10–3(MOD.)
9" X 15"

PROPOSED SIGNS

S–1
CUSTOM
36" X 30"

S–2
BRT LED BUS WARNING SIGN

S–3



LEGEND

EXISTING	PROPOSED	
		CONTROLLER CABINET WITH SWITCH AND METER ASSEMBLY
		TRAFFIC SIGNAL POLE
		10' PEDESTAL POLE
		TRAFFIC SIGNAL HEAD

CONSTRUCTION NOTES

1. INSTALL JB-S3
2. INSTALL NEW 15' PEDESTAL POLE WITH PF-2 FOUNDATION AND BREAK-AWAY BASE
3. USE EXISTING CONDUIT
4. USE EXISTING JUNCTION BOX
5. REMOVE AND DISPOSE OR ABANDON EXISTING TRAFFIC SIGNAL EQUIPMENT
6. REMOVE INTERCONNECT CABLE AND RUN PROPOSED INTERCONNECT CABLE TO GLEBE RD CABINET.
7. INSTALL SIGN ON MAST ARM
8. INSTALL SIGN ON PEDESTAL POLE

EXISTING VIDEO DETECTION

V1, V4, V5, V8

PROPOSED POLE LEGEND

PROPOSED POLE	SOUTHBOUND STATION	OFFSET
1	338+29	-44.3
2	339+11	-8.3

60% PLANS
NOT FOR CONSTRUCTION

No.	REVISIONS	DATE	BY

THE LANE CONSTRUCTION CORPORATION

STV Incorporated
Engineers / Architects / Planners / Construction Managers
2722 Merrilee Drive, Suite 200, Fairfax, VA 22031 (571)243-2230

CITY OF ALEXANDRIA VIRGINIA

PROJECT NO. 2515453
DATE 03/28/12
SCALE: 1"=20'-0"
DESIGNED BY: W.B.K.
DRAWN BY: R.W.M.
CHECKED BY: B.A.B.

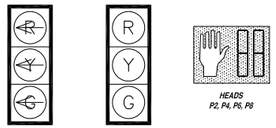
TRAFFIC SIGNAL MODIFICATION PLAN
RT. 1 & SWANN AVE.

JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

CITY OF ALEXANDRIA VIRGINIA

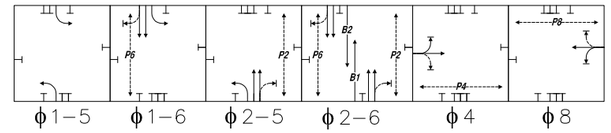
SHEET NUMBER
10A

EXISTING SIGNALS

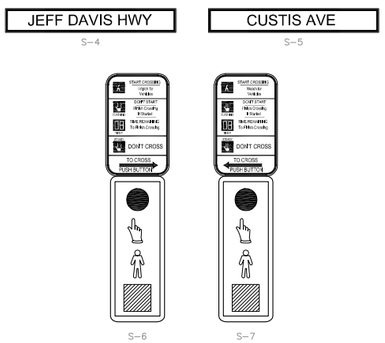


PROPOSED SIGNALS

PROPOSED PHASING DIAGRAM

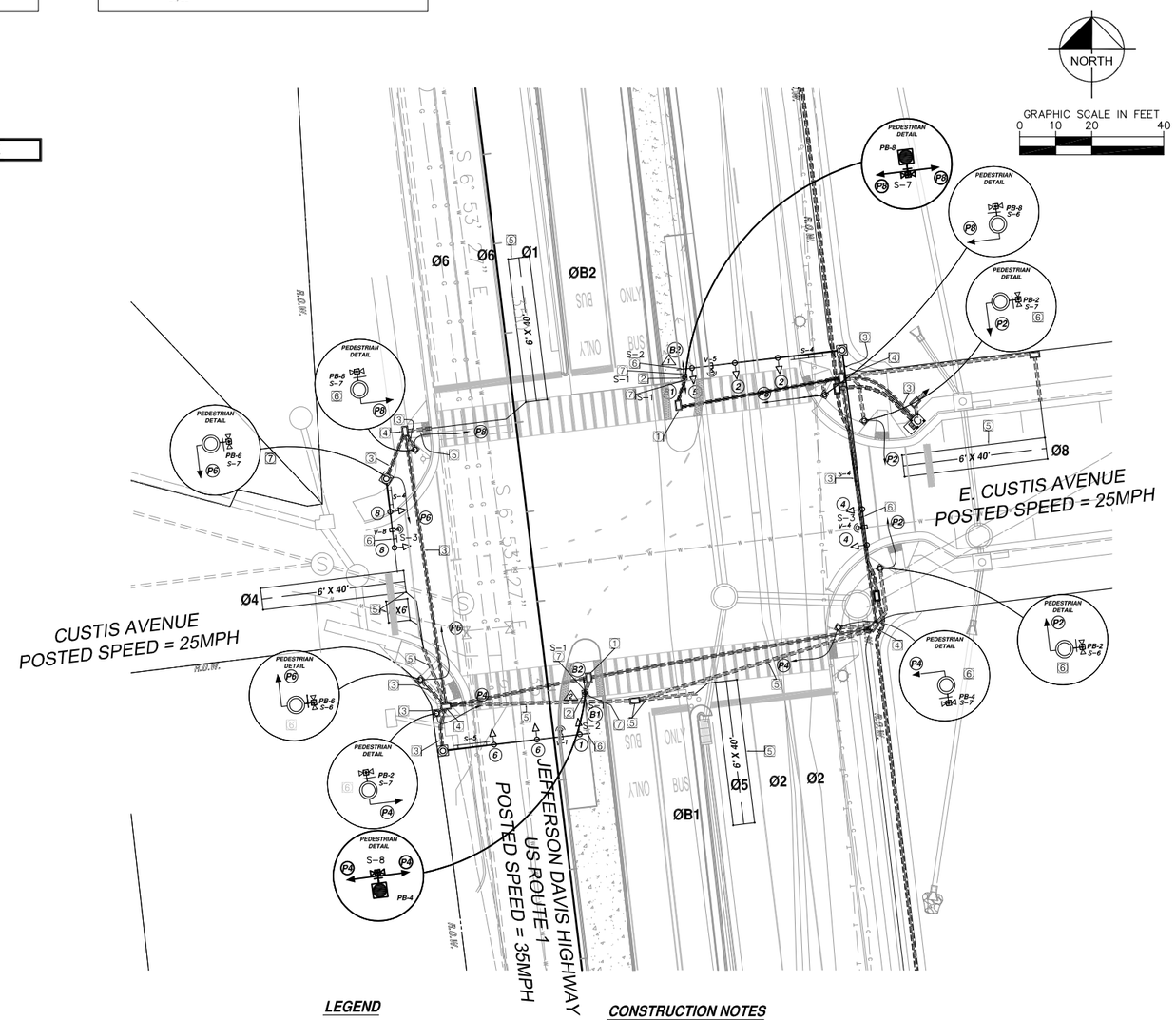


EXISTING SIGNS



PROPOSED ACCESSIBLE PEDESTRIAN PUSHBUTTON

S–8
R10–3(MOD.)
9" X 15"



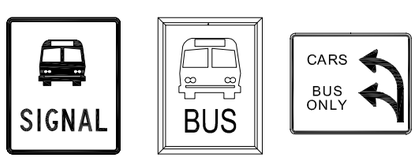
EXISTING VIDEO DETECTION

V1, V4, V5, V8

PROPOSED POLE LEGEND

PROPOSED POLE	SOUTHBOUND STATION	OFFSET
△1	350+18	-47.9
△2	351+02	-10.2

PROPOSED SIGNS



S–1
CUSTOM
36" X 30"

S–2
BRT LED BUS
WARNING SIGN

S–3

LEGEND

EXISTING	PROPOSED	
		CONTROLLER CABINET WITH SWITCH AND METER ASSEMBLY
		TRAFFIC SIGNAL POLE
		10' PEDESTAL POLE
		TRAFFIC SIGNAL HEAD

CONSTRUCTION NOTES

1. INSTALL JB-S3
2. INSTALL NEW 15' PEDESTAL POLE WITH PF-2 FOUNDATION AND BREAK-AWAY BASE
3. USE EXISTING CONDUIT
4. USE EXISTING JUNCTION BOX
5. REMOVE AND DISPOSE OR ABANDON EXISTING TRAFFIC SIGNAL EQUIPMENT
6. INSTALL SIGN ON MAST ARM
7. INSTALL SIGN ON PEDESTAL POLE

60% PLANS
NOT FOR CONSTRUCTION

No.	REVISIONS	DATE	BY

THE LANE CONSTRUCTION CORPORATION

STV Incorporated
Engineers / Architects / Planners / Construction Managers
2722 Merrilee Drive, Suite 200, Fairfax, VA 22031 (571)243-2230

CITY OF ALEXANDRIA VIRGINIA

PROJECT NO. 2515453
DATE 03/28/12
SCALE: 1" = 20'–0"
DESIGNED BY: W.B.K.
DRAWN BY: R.W.M.
CHECKED BY: B.A.B.

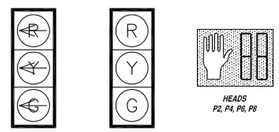
TRAFFIC SIGNAL MODIFICATION PLAN
RT. 1 & CUSTIS RD.

JEFFERSON DAVIS HIGHWAY
ROUTE 1 FROM EAST GLEBE
ROAD TO POTOMAC AVENUE
BRT IMPROVEMENTS
DESIGN/BUILD

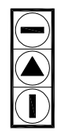
CITY OF ALEXANDRIA VIRGINIA

SHEET NUMBER
10B

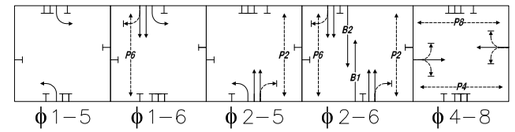
EXISTING SIGNALS



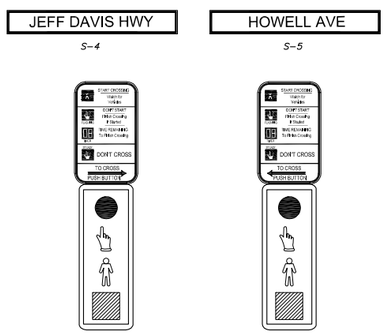
PROPOSED SIGNALS



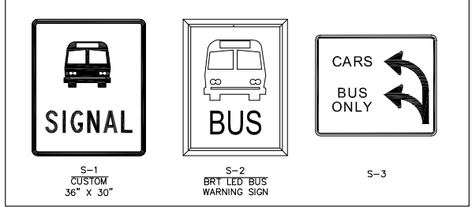
PROPOSED PHASING DIAGRAM



EXISTING SIGNS

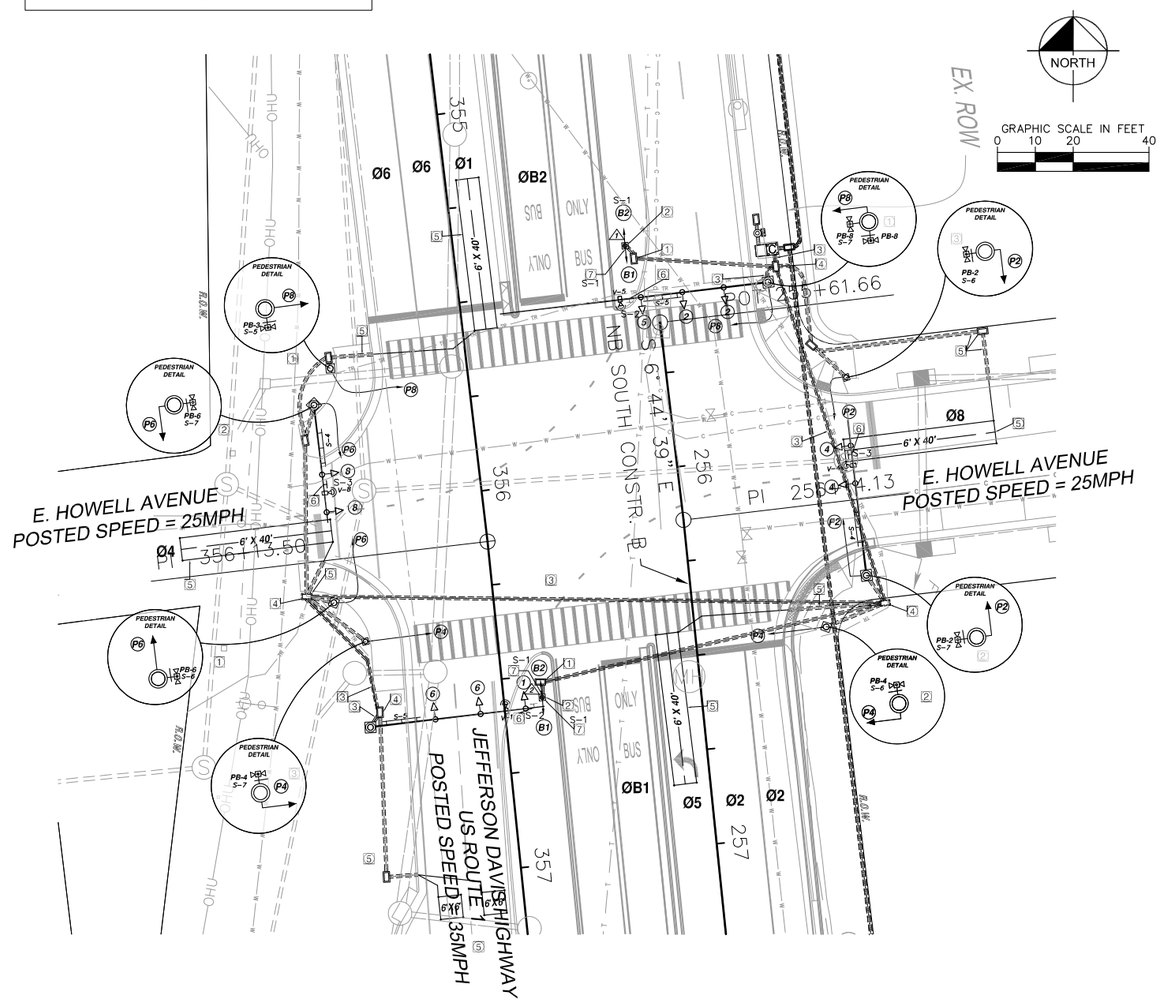


PROPOSED SIGNS



EXISTING VIDEO DETECTION

V1, V4, V5, V8



LEGEND

EXISTING	PROPOSED	
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		TRAFFIC SIGNAL POLE
		10' PEDESTAL POLE
		TRAFFIC SIGNAL HEAD

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6. INSTALL SIGN ON MAST ARM
7. INSTALL SIGN ON PEDESTAL POLE

PROPOSED POLE LEGEND

PROPOSED POLE	SOUTHBOUND STATION	OFFSET
1	355+40	-45.2
2	356+56	-10.2

60% PLANS
NOT FOR CONSTRUCTION

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SHEET NUMBER
10C