

1:6 FOR FILLS TO 5'
 1:6 TO CZ & 1:4 FOR FILLS 5' TO 10'
 1:6 TO CZ & 1:3 FOR FILLS 10' TO 20'
 1:3 (WITH GUARDRAIL AND 10' BENCH AT APPROX HALF THE HEIGHT OF FILL) FOR FILLS OVER 20'
 -AVOID 1:2 SLOPES EXCEPT WHERE IS NECESSARY

TYPICAL SECTION NO. 1
SR 429 (WEKIVA PKWY)

STA. 1114+56.17 (BK) / STA. 1114+87.25 (AH)
 TO
 STA. 1217+80.71 (BK) / STA. 2169+83.96 (AH)
 4-LANE URBAN EXPRESSWAY
 DS = 70 MPH

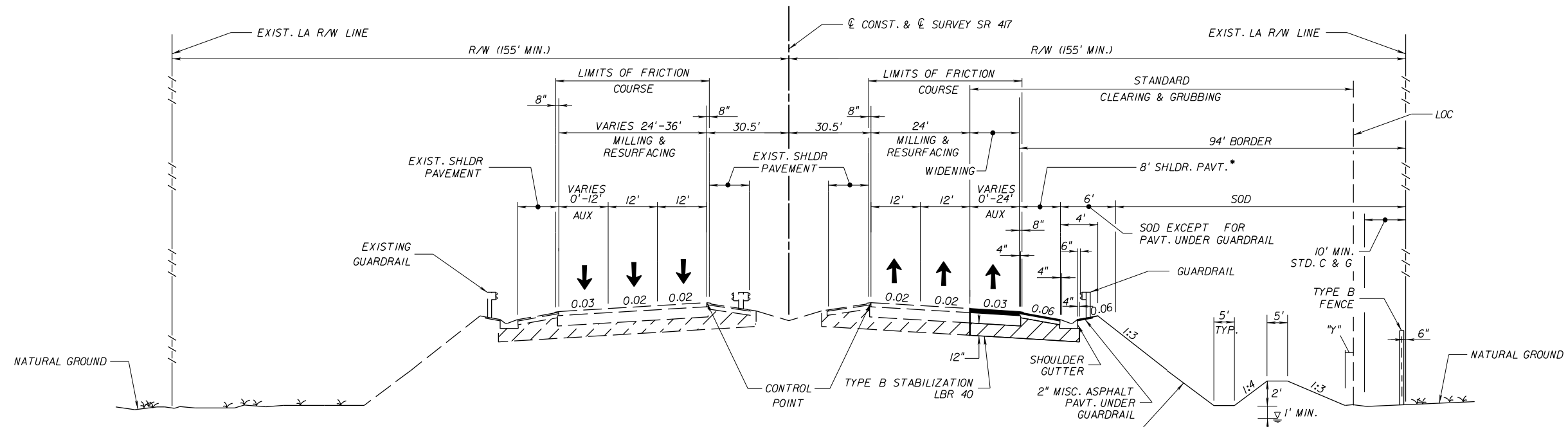
SR 429 NEW CONSTRUCTION
 OPTIONAL BASE GROUP 10
 TYPE SP STRUCTURAL COURSE (TRAFFIC D) (2 1/2")
 TYPE SP STRUCTURAL COURSE (TRAFFIC D) (1 1/2") (PG 76-22) (PMA)
 FRICTION COURSE FC-5 (3/4") (PG 76-22) (PMA)

SR 429 SHOULDER PAVEMENT
 OPTIONAL BASE GROUP 2
 TYPE SP STRUCTURAL COURSE (TRAFFIC D) (1 1/2")

* WITH GROUND-IN RUMBLE STRIPS.
 ** PROFILE GRADE POINT IS LOCATED AT THE THEORETICAL EOP OF THE FUTURE TRAVEL LANE. THE CROSS SLOPE OF THE FUTURE TRAVEL LANE IS THE SAME AS ADJACENT LANE (0.02 TYP.)
 NOTES:
 (1) "Y" THE AREA DISTURBED VARIES, 2' MIN.

TRAFFIC DATA
 ESTIMATED OPENING YEAR = 2020 AADT = 43,000
 ESTIMATED DESIGN YEAR = 2040 AADT = 82,500
 K = 9.00% D = 56.42% T = 10.52% (24 HOUR)
 DESIGN HOUR T = 7.72%
 DESIGN SPEED = 70 MPH

REVISIONS				ATKINS NORTH AMERICA, INC. 482 S. KELLER ROAD ORLANDO, FL 32810 (407) 647-7275 CERTIFICATE OF AUTHORIZATION NO.: 24 CHAD A. SHOCKLEY, P.E. P.E. NO.: 69331	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 429	SEMINOLE	240200-4-52-01	TYPICAL SECTION



* WITH GROUND-IN RUMBLE STRIPS.

TYPICAL SECTION NO. 2

SR 417

STA. 1217+80.71 (BK) / STA. 2169+83.96 (AH)
TO STA. 2198+78.76

4-LANE URBAN EXPRESSWAY
DS = 70 MPH

SR 417 NEW CONSTRUCTION

OPTIONAL BASE GROUP 10
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (2 1/2")
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (1 1/2") (PG 76-22)
FRICTION COURSE FC-5 (3/4") (PG 76-22)

SR 417 SHOULDER PAVEMENT

OPTIONAL BASE GROUP 2
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (1 1/2")

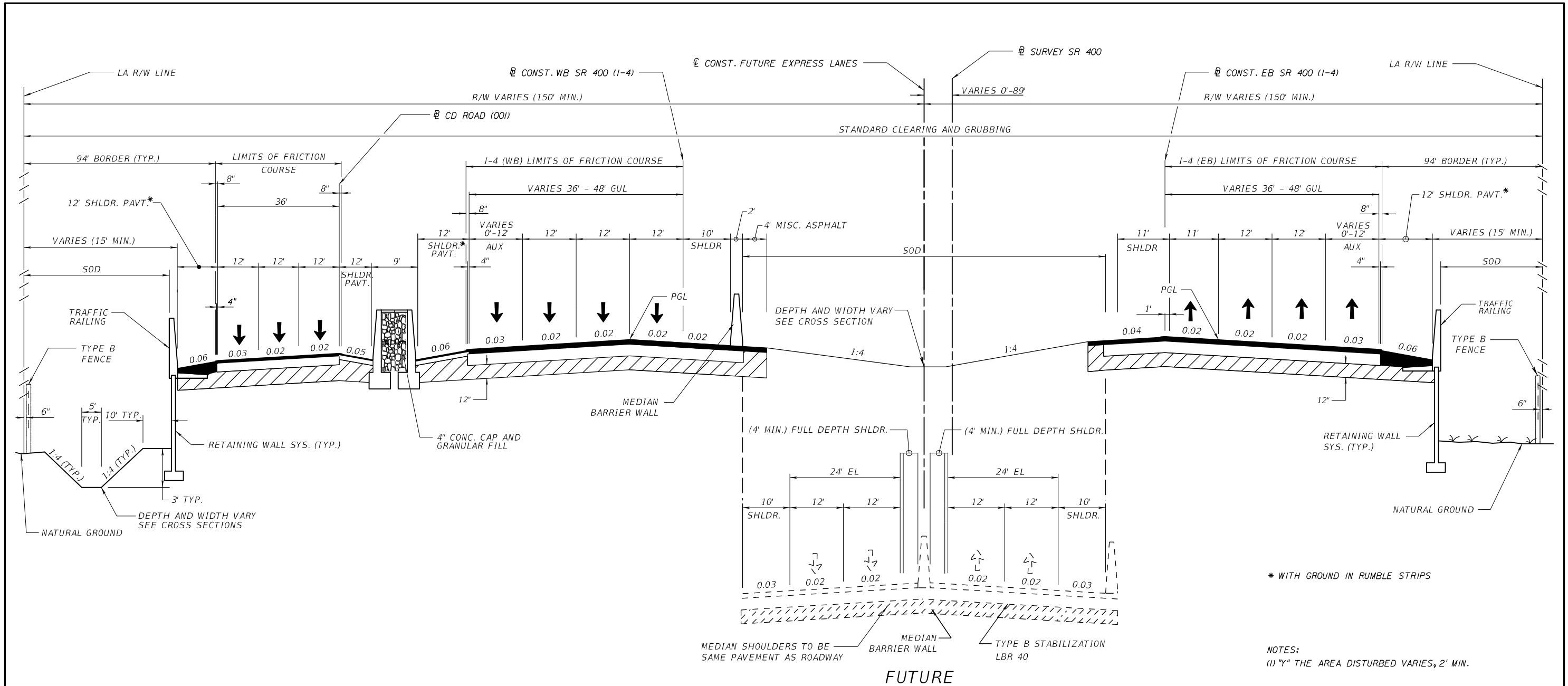
MILLING AND RESURFACING
MILL EXISTING ASPHALT PAVEMENT (2 1/4")
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (1 1/2") (PG 76-22)
FRICTION COURSE FC-5 (3/4") (PG 76-22)

1:6 FOR FILLS TO 5'
1:6 TO CZ & 1:4 FOR FILLS 5' TO 10'
1:6 TO CZ & 1:3 FOR FILLS 10' TO 20'
1:3 (WITH GUARDRAIL AND 10' BENCH AT APPROX
HALF THE HEIGHT OF FILL) FOR FILLS OVER 20'
-AVOID 1:2 SLOPES EXCEPT WHERE NECESSARY

TRAFFIC DATA

ESTIMATED OPENING YEAR = 2020 AADT = 43,000
ESTIMATED DESIGN YEAR = 2040 AADT = 82,500
K = 9.00% D = 56.42% T = 10.52% (24 HOUR)
DESIGN HOUR T = 7.72%
DESIGN SPEED = 70 MPH

REVISIONS				ATKINS NORTH AMERICA, INC. 482 S. KELLER ROAD ORLANDO, FL 32810 (407) 647-7275 CERTIFICATE OF AUTHORIZATION NO.: 24 CHAD A. SHOCKLEY, P.E. P.E. NO.: 69331	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
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CD ROAD (001)
 STA. 134+10.06 TO 214+90.00
 3-LANE URBAN CD ROAD
 DS = 55 MPH

TYPICAL SECTION NO. 3
 SR 400 (INTERSTATE 4)
 WB: STA. 2037+10.37 TO 2134+05.54
 EB: STA. 1023+90.67 TO 1134+70.47
 6-LANE URBAN FREEWAY
 DS = 70 MPH

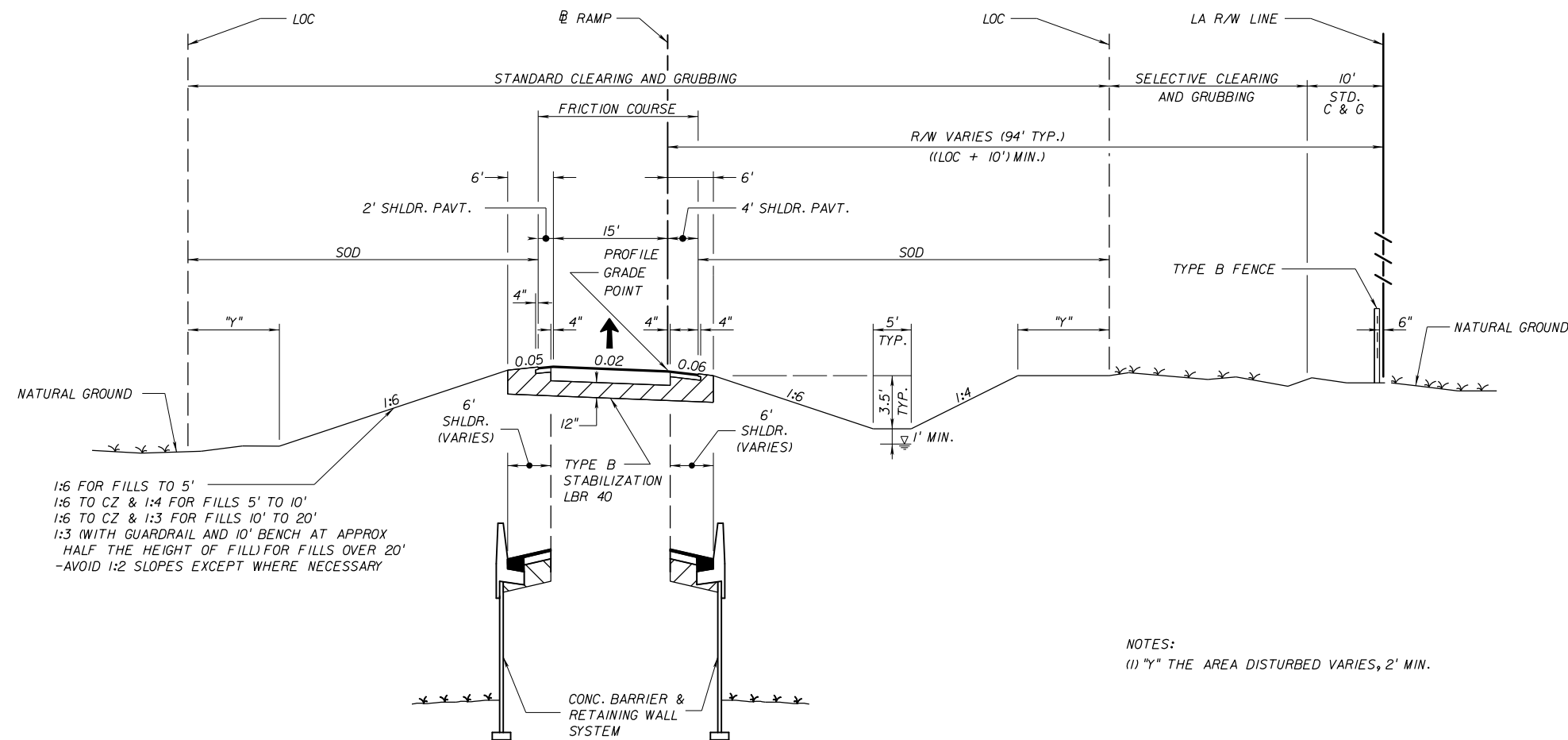
TRAFFIC DATA
 ESTIMATED OPENING YEAR = 2020 AADT = 159,000
 ESTIMATED DESIGN YEAR = 2040 AADT = 207,000
 K = 9.00% D = 54.30% T = 9.00% (24 HOUR)
 DESIGN HOUR T = 7.72%
 DESIGN SPEED = 70 MPH

SR 400 & CD ROAD NEW CONSTRUCTION
 OPTIONAL BASE GROUP 10
 TYPE SP STRUCTURAL COURSE (TRAFFIC E) (2") (PG 76-22)
 TYPE SP STRUCTURAL COURSE (TRAFFIC E) (1 1/2")
 TYPE SP STRUCTURAL COURSE (TRAFFIC E) (1 1/2") (PG 76-22)
 FRICTION COURSE FC-5 (3/4") (PG 76-22)

SR 400 & CD ROAD SHOULDER PAVEMENT
 OPTIONAL BASE GROUP 6
 TYPE SP STRUCTURAL COURSE (TRAFFIC E) (1 1/2")

* WITH GROUND IN RUMBLE STRIPS
 NOTES:
 (1) "Y" THE AREA DISTURBED VARIES, 2' MIN.

REVISIONS				ATKINS NORTH AMERICA, INC. 482 S. KELLER ROAD ORLANDO, FL 32810 (407) 647-7275 CERTIFICATE OF AUTHORIZATION NO.: 24 CHAD A. SHOCKLEY, P.E. P.E. NO.: 69331	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
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1:6 FOR FILLS TO 5'
 1:6 TO CZ & 1:4 FOR FILLS 5' TO 10'
 1:6 TO CZ & 1:3 FOR FILLS 10' TO 20'
 1:3 (WITH GUARDRAIL AND 10' BENCH AT APPROX
 HALF THE HEIGHT OF FILL) FOR FILLS OVER 20'
 -AVOID 1:2 SLOPES EXCEPT WHERE NECESSARY

NOTES:
 (1) "y" THE AREA DISTURBED VARIES, 2' MIN.

TYPICAL SECTION NO. 4

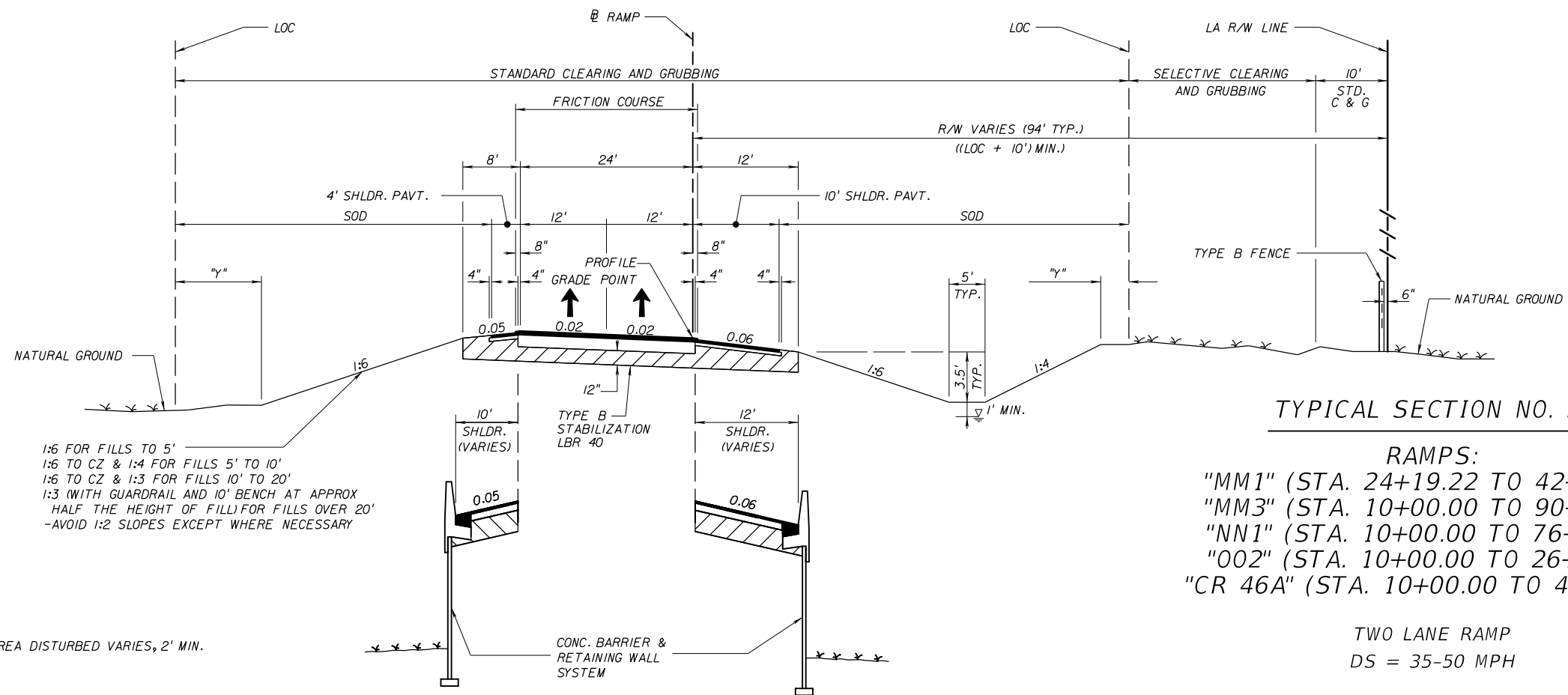
- RAMPS:**
 "003" (STA. 10+00.00 TO 61+73.58)
 "004" (STA. 5+70.01 TO 35+45.62)
 "HH1" (STA. 10+00.00 TO 56+85.79)
 "HH2" (STA. 10+00.00 TO 20+57.78)
 "LL1" (STA. 10+00.00 TO 60+40.72)
 "LL2" (STA. 10+00.00 TO 54+54.22)
 "LL3" (STA. 8+68.82 TO 50+98.35)
 "MM1" (STA. 8+00.35 TO 24+19.22)
 "MM1" (STA. 42+08.43 TO 81+36.94)
 "MM2" (STA. 11+23.14 TO 35+65.28)
 "NN2" (STA. 10+00.00 TO 56+26.89)
 "GG" (STA. 10+00.00 TO 40+04.15)
 "RR" (STA. 10+00.00 TO 18+10.78)

SINGLE LANE RAMP
 DS = 35-50 MPH

NEW CONSTRUCTION
 OPTIONAL BASE GROUP 11
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (3")
 FRICTION COURSE FC-5 (3/4") (PG 76-22)

SHOULDER PAVEMENT
 OPTIONAL BASE GROUP 2
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2")

REVISIONS				ATKINS NORTH AMERICA, INC. 482 S. KELLER ROAD ORLANDO, FL 32810 (407) 647-7275 CERTIFICATE OF AUTHORIZATION NO.: 24 CHAD A. SHOCKLEY, P.E. P.E. NO.: 69331	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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1:6 FOR FILLS TO 5'
 1:6 TO CZ & 1:4 FOR FILLS 5' TO 10'
 1:6 TO CZ & 1:3 FOR FILLS 10' TO 20'
 1:3 (WITH GUARDRAIL AND 10' BENCH AT APPROX
 HALF THE HEIGHT OF FILL) FOR FILLS OVER 20'
 -AVOID 1:2 SLOPES EXCEPT WHERE NECESSARY

NOTES:
 (1) "Y" THE AREA DISTURBED VARIES, 2' MIN.

TYPICAL SECTION NO. 5

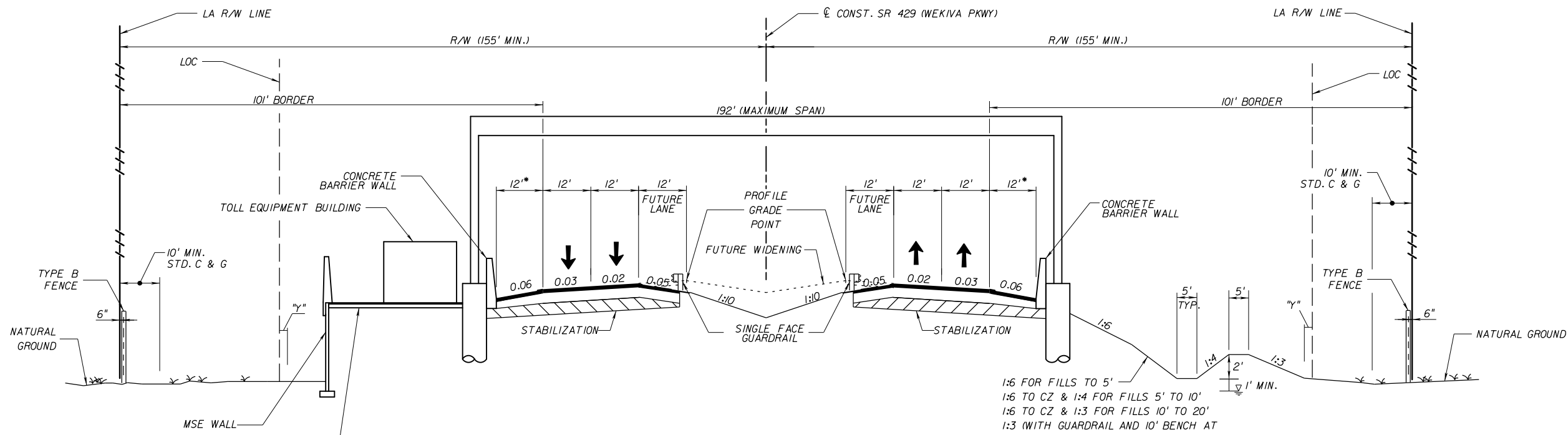
- RAMPS:**
 "MM1" (STA. 24+19.22 TO 42+08.43)
 "MM3" (STA. 10+00.00 TO 90+47.43)
 "NN1" (STA. 10+00.00 TO 76+94.13)
 "002" (STA. 10+00.00 TO 26+79.84)
 "CR 46A" (STA. 10+00.00 TO 43+32.21)

TWO LANE RAMP
 DS = 35-50 MPH

NEW CONSTRUCTION
 OPTIONAL BASE GROUP 11
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (3")
 FRICTION COURSE FC-5 (3/4") (PG 76-22)

SHOULDER PAVEMENT
 OPTIONAL BASE GROUP 2
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2")

REVISIONS				ATKINS NORTH AMERICA, INC. 482 S. KELLER ROAD ORLANDO, FL 32810 (407) 647-7275 CERTIFICATE OF AUTHORIZATION NO.: 24 CHAD A. SHOCKLEY, P.E. P.E. NO.: 69331	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION	SHEET NO.
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					SR 429	SEMINOLE	240200-4-52-01		



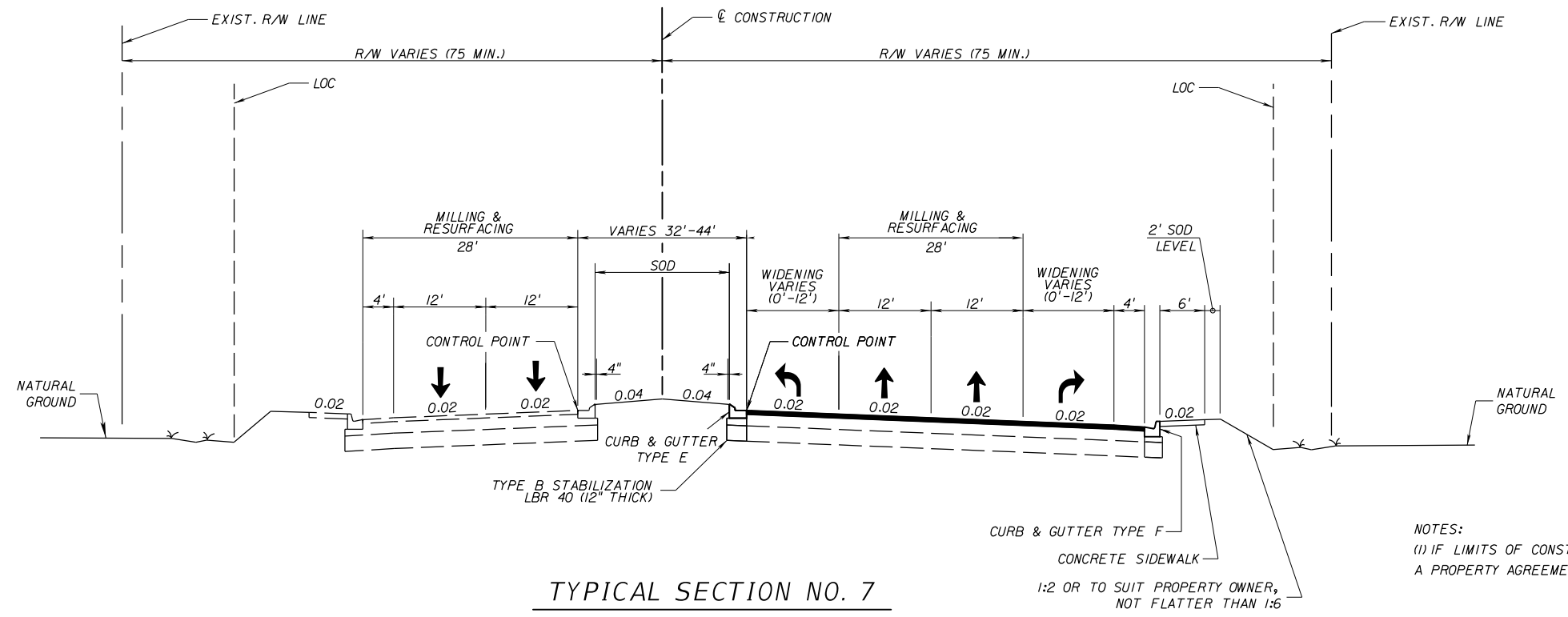
TYPICAL SECTION NO. 6
SR 429 (WEKIVA PKWY) GANTRY LOCATION
STA. 1118+50.00 TO STA. 1119+50.00
 4-LANE URBAN EXPRESSWAY
 DS = 70 MPH

* WITH GROUND-IN RUMBLE STRIPS.

NOTES:
 (1) "Y" THE AREA DISTURBED VARIES, 2' MIN.

SR 429 NEW CONSTRUCTION
(MAINLINE AND SHOULDER)
 OPTIONAL BASE GROUP 11 (7") (TYPE B 12.5)
 TYPE SP STRUCTURAL COURSE (TRAFFIC D) (2") (PG 76-22)
 TYPE SP STRUCTURAL COURSE (TRAFFIC D) (2") (PG 76-22)
 FRICTION COURSE FC-12.5 (1 1/2") (PG 76-22)

REVISIONS				ATKINS NORTH AMERICA, INC. 482 S. KELLER ROAD ORLANDO, FL 32810 (407) 647-7275 CERTIFICATE OF AUTHORIZATION NO.: 24 CHAD A. SHOCKLEY, P.E. P.E. NO.: 69331	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION	SHEET NO.
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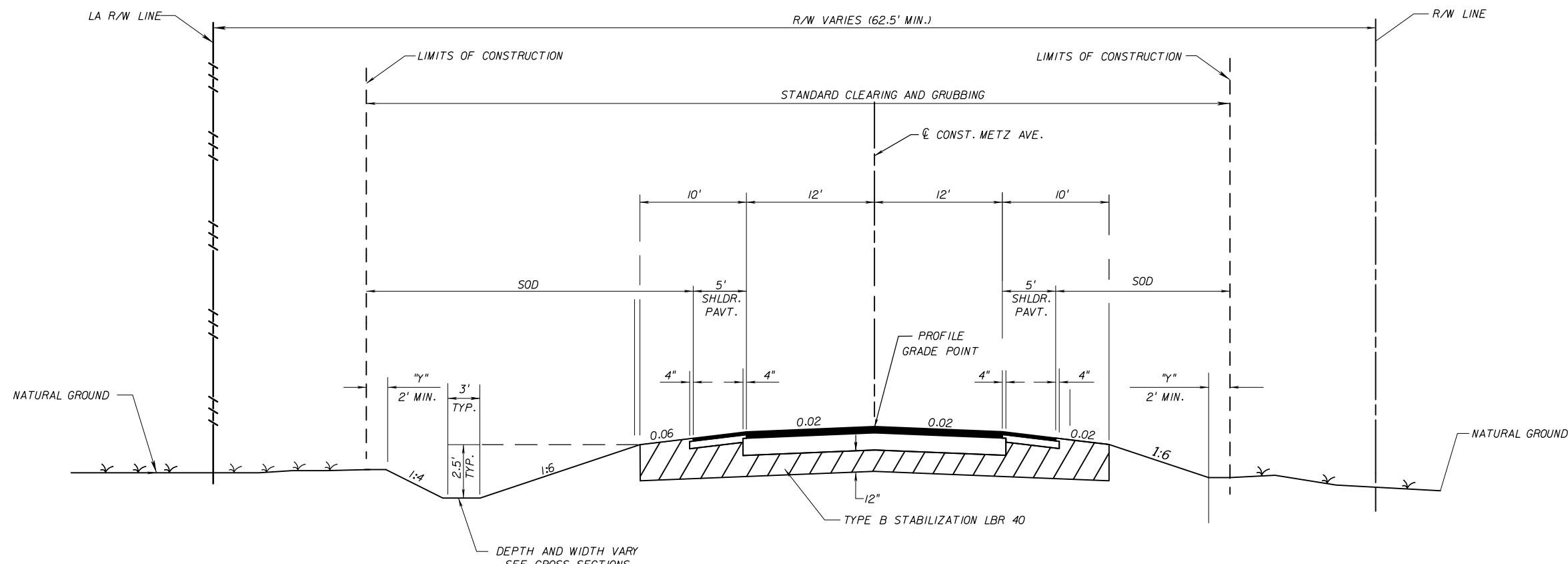
NOTES:
 (1) IF LIMITS OF CONSTRUCTION EXCEED RIGHT OF WAY
 A PROPERTY AGREEMENT IS REQUIRED.

TYPICAL SECTION NO. 7
INTERNATIONAL PARKWAY
STA. 99+70.36 TO STA. 118+36.42
4-LANE URBAN ROAD
DS = 45 MPH

WIDENING
OPTIONAL BASE GROUP 9
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

MILLING AND RESURFACING
MILLING EXISTING ASPHALT PAVEMENT (1 1/2")
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

REVISIONS				ATKINS NORTH AMERICA, INC. 482 S. KELLER ROAD ORLANDO, FL 32810 (407) 647-7275 CERTIFICATE OF AUTHORIZATION NO.: 24 CHAD A. SHOCKLEY, P.E. P.E. NO.: 69331	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION	SHEET NO.
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NOTES:
 (1) "Y" THE AREA DISTURBED VARIES, 2' MIN.

TYPICAL SECTION NO. 8
METZ AVE.
STA. 5+09.51 TO STA. 11+55.72
2-LANE RURAL ROAD
DS = 25 MPH

NEW CONSTRUCTION
OPTIONAL BASE GROUP 9
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
FRICITION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

SHOULDER PAVEMENT
OPTIONAL BASE GROUP 2
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2")

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