

**LEGEND:**

- 1 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), PG70-22M
- 2 ITEM 442 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (448), PG64-28
- 3 ITEM 302 - 10" ASPHALT CONCRETE BASE (PLACED IN TWO EQUAL LIFTS), PG64-22, (449)
- 4 ITEM 304 - 6" AGGREGATE BASE
- 5 ITEM 407 - NON-TRACKING TACK COAT (RATE AS PER C&MS TABLE 407.06-1)
- 6 ITEM 204 - 12" EXCAVATION OF SUBGRADE
- 7 ITEM 204 - 12" GRANULAR MATERIAL, TYPE B
- 8 ITEM 204 - PROOF ROLLING
- 9 ITEM 204 - GEOTEXTILE FABRIC
- 10 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), AS PER PLAN, PG76-22M
- 11 ITEM 302 - 8" ASPHALT CONCRETE BASE (PLACED IN TWO EQUAL LIFTS), PG64-22, (449)
- 12 ITEM 304 - 8" AGGREGATE BASE
- 13 NOT USED
- 14 ITEM 611 - INLET MISC.: BARRIER WINDOW OPENING, JERSEY SHAPE, TYPE D
- 15 ITEM 304 - 19.25" AGGREGATE BASE
- 16 ITEM 441 - 1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, 449 (DRIVEWAYS)
- 17 ITEM 441 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22, 449 (DRIVEWAYS)
- 18 ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN
- 19 ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
- 20 ITEM 605 - 4" BASE PIPE UNDERDRAIN
- 21 ITEM 609 - CURB, TYPE 6
- 22 ITEM 609 - CURB, TYPE 9
- 23 ITEM 609 - CURB, TYPE 4-A
- 24 ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- 25 ITEM 659 - SEEDING AND MULCHING
- 26 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH VARIES: 3¼" - 5")
- 27 ITEM 606 - GUARDRAIL, TYPE MGS
- 28 ITEM 302 - 4" ASPHALT CONCRETE BASE, PG64-22, 449
- 29 ITEM 302 - 5" ASPHALT CONCRETE BASE, PG64-22, 449, (DRIVEWAYS)
- 30 ITEM 690 SPECIAL - BLACK STONE MULCH, (12" DEPTH)
- 31 ITEM 204 - SUBGRADE COMPACTION
- 32 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1½"

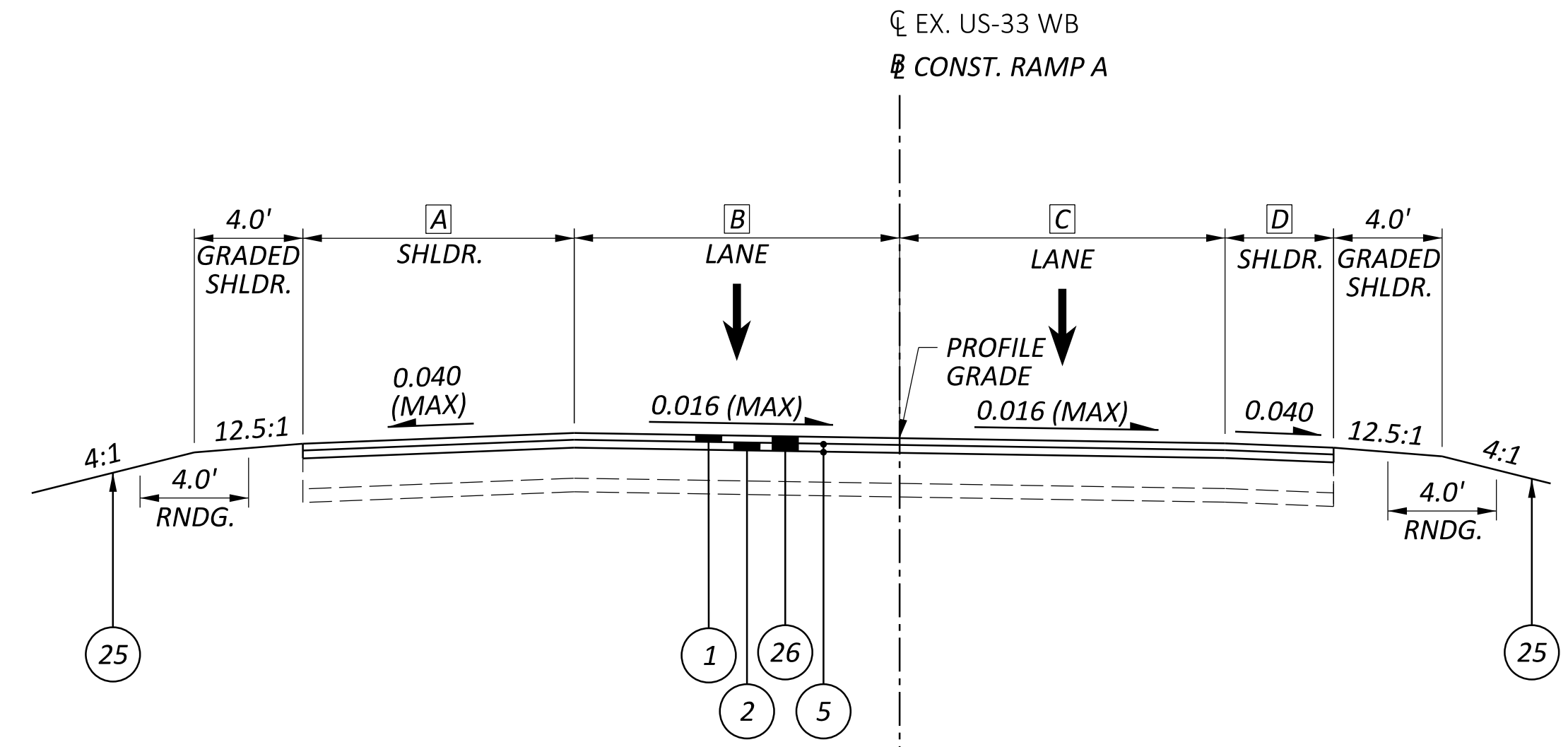
- A VARIES: ±10.0' TO 10.8' FROM STA. 141+51.07 TO STA. 143+00.22  
 VARIES: 10.8' TO 8.0' FROM STA. 143+00.22 TO STA. 144+00.00
- B VARIES: ±12.7' TO 11.5' FROM STA. 141+51.07 TO STA. 143+04.14  
 VARIES: 11.5' TO 12.0' FROM STA. 143+04.14 TO STA. 144+00.00
- C VARIES: ±12.1 TO 12.0' FROM STA. 141+51.07 TO STA. 144+00.00
- D VARIES: ±4.7' TO 4.0' FROM STA. 141+51.07 TO STA. 144+00.00
- E VARIES: 0.0' TO 23.0' FROM STA. 144+00.00 TO STA. 147+37.51

Δ 0.040 OR RATE OF SUPERELEVATION, WHICHEVER IS GREATER

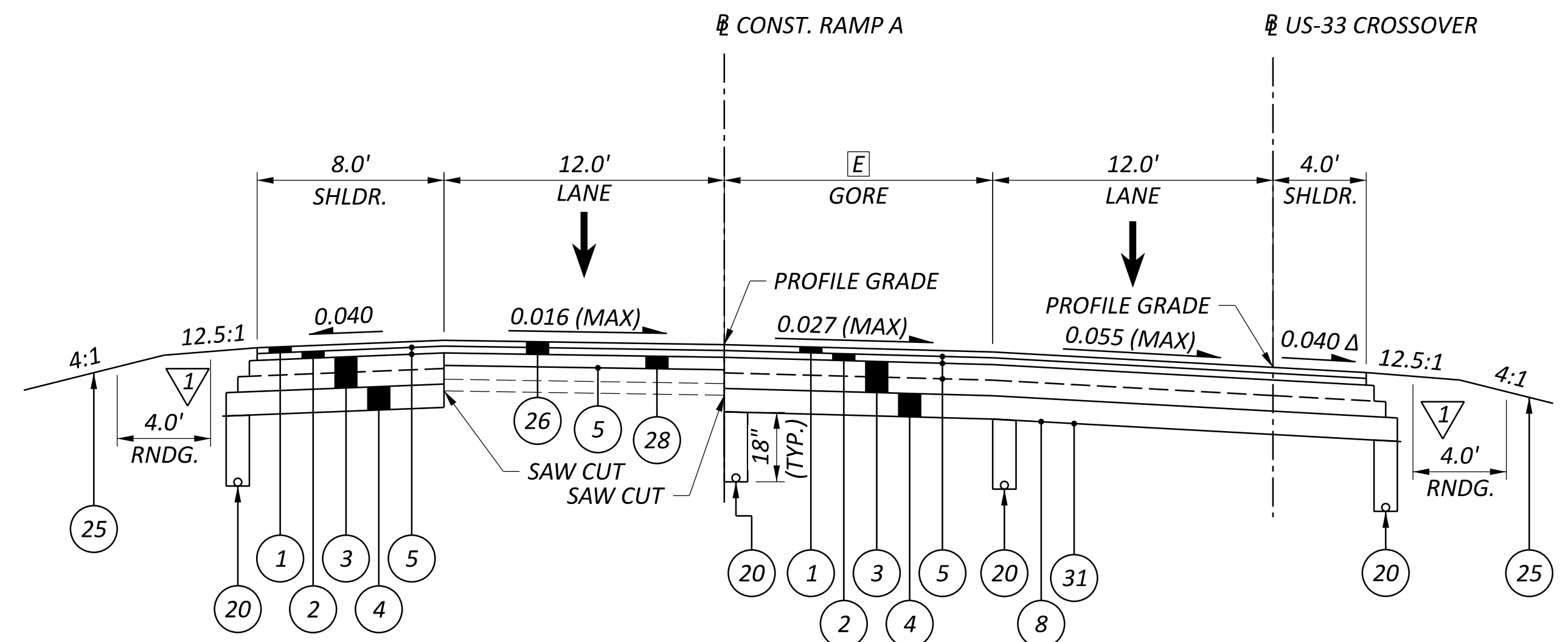
Σ 7% MAX BREAK

▽ FOR EDGE COURSE DETAILS, SEE SHEET P.020

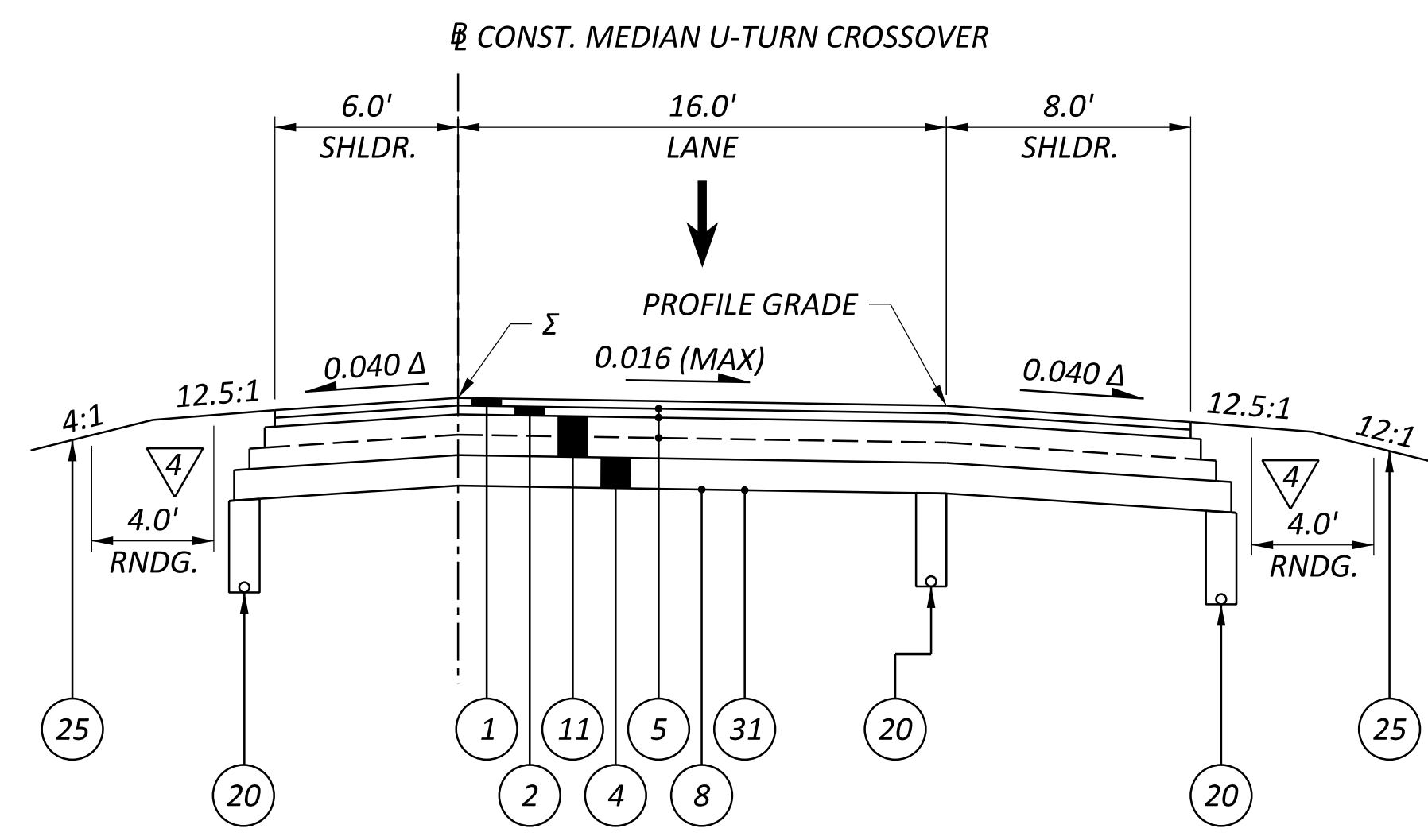
**TYPICAL ABBREVIATIONS**  
 RNDG. = ROUNDING  
 SHLDR. = SHOULDER



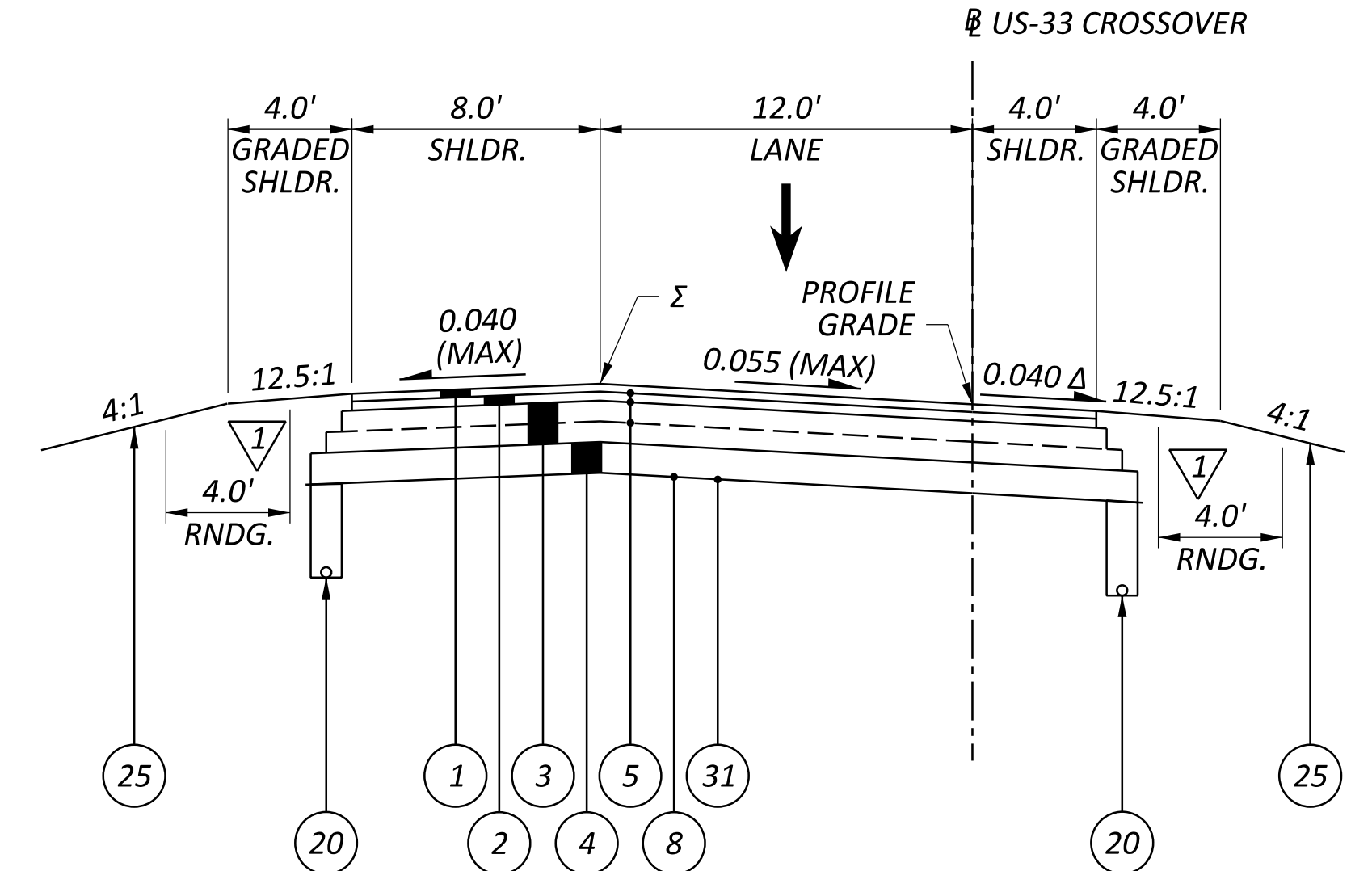
**SUPERELEVATED SECTION - EX. US-33 WB**  
 STA. 141+51.07 TO STA. 144+00.00



**US-33 CROSSOVER**  
 STA. 144+00.00 TO STA. 147+37.51



**MEDIAN U-TURN CROSSOVER**  
 STA. 0+00.00 TO STA. 1+20.59



**SUPERELEVATION - US-33 CROSSOVER**  
 STA. 147+37.51 TO STA. 148+36.57

DESIGN AGENCY	
TRANSYSTEMS 400 W. NATIONWIDE BLVD., STE. 225 COLUMBUS, OHIO 43215	
DESIGNER	
NE	
REVIEWER	
GHM 01/29/26	
PROJECT ID	
118055	
SHEET	TOTAL
P.007	298

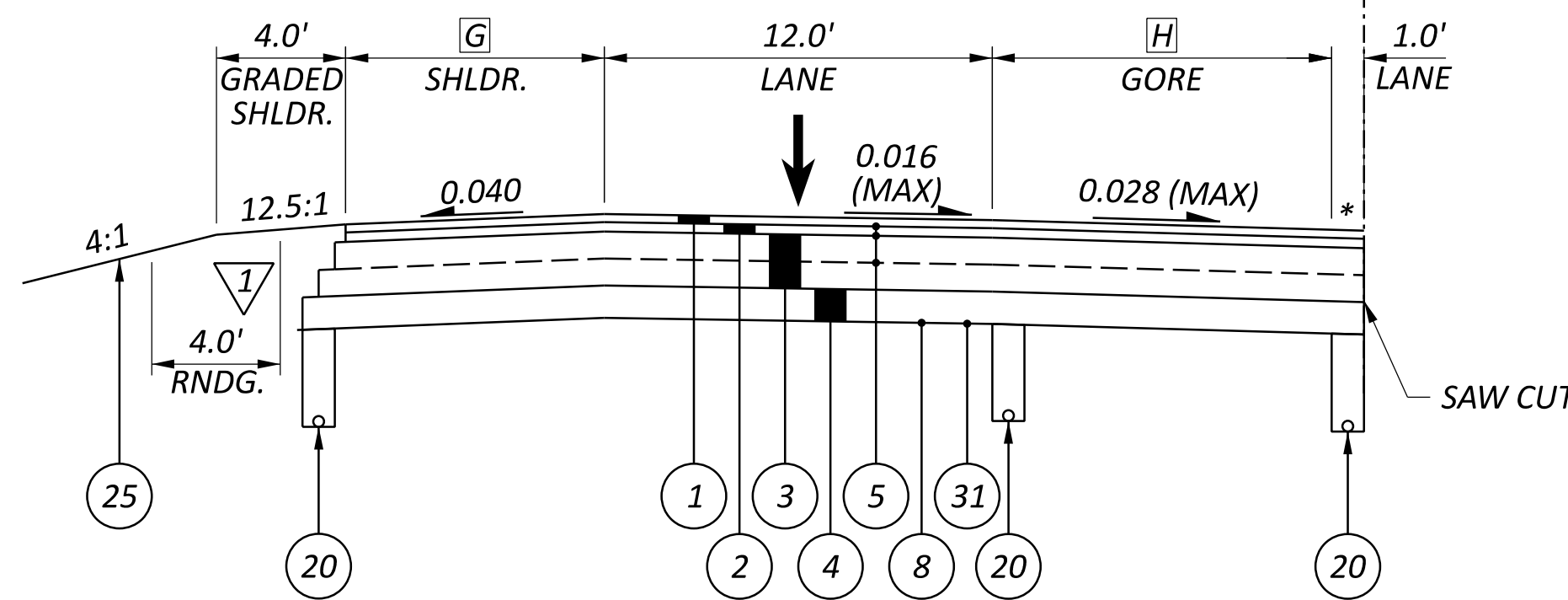
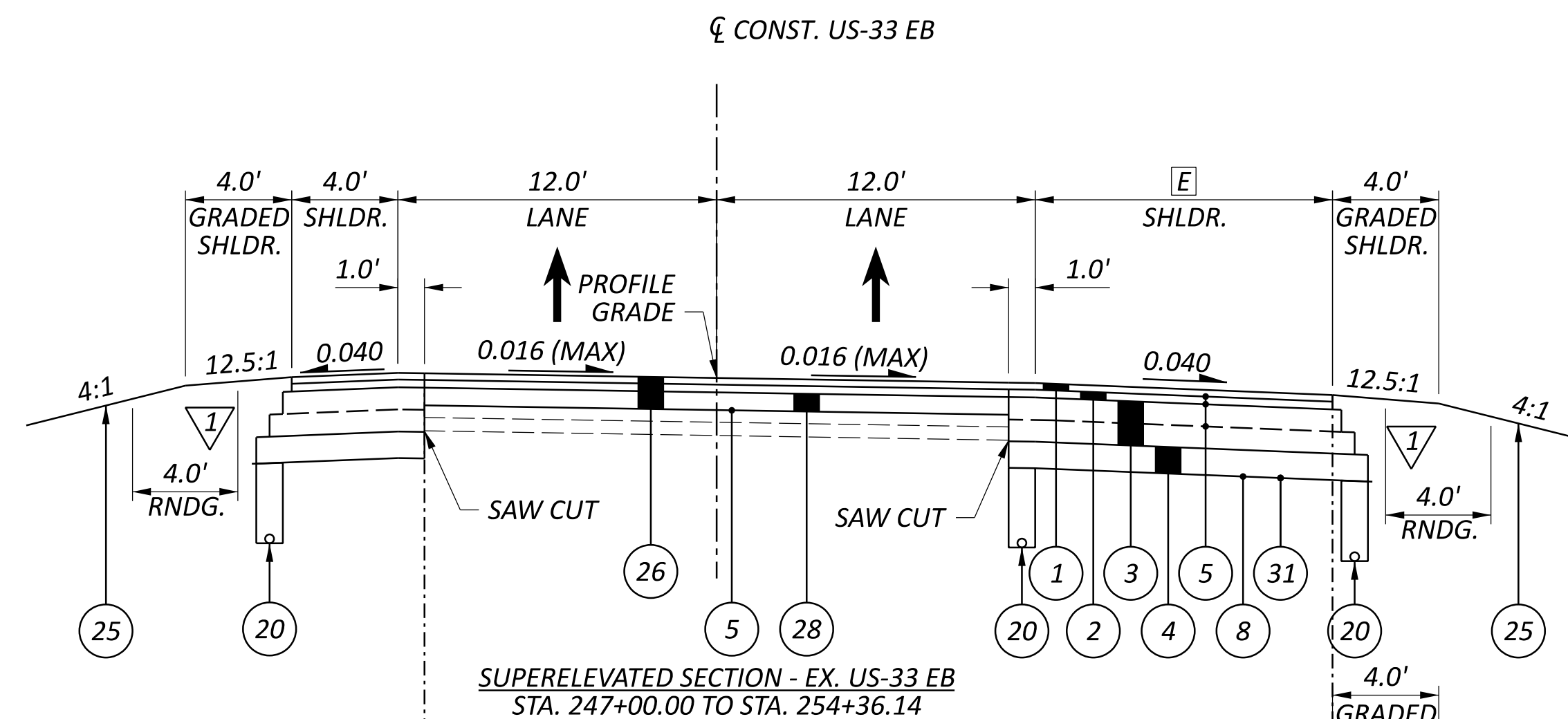
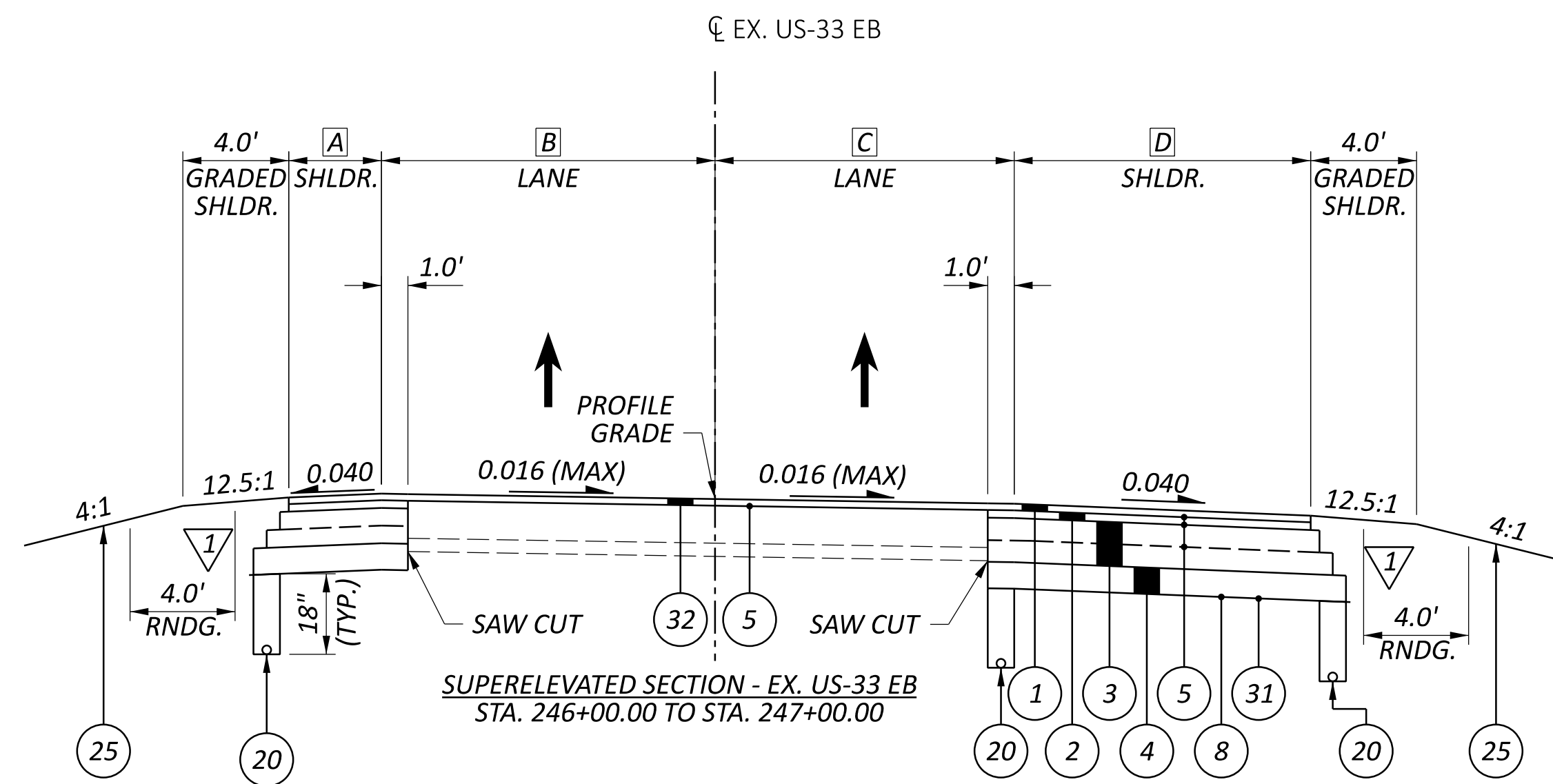
LEGEND:

- 1 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), PG70-22M
- 2 ITEM 442 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (448), PG64-28
- 3 ITEM 302 - 10" ASPHALT CONCRETE BASE (PLACED IN TWO EQUAL LIFTS), PG64-22, (449)
- 4 ITEM 304 - 6" AGGREGATE BASE
- 5 ITEM 407 - NON-TRACKING TACK COAT (RATE AS PER C&MS TABLE 407.06-1)
- 6 ITEM 204 - 12" EXCAVATION OF SUBGRADE
- 7 ITEM 204 - 12" GRANULAR MATERIAL, TYPE B
- 8 ITEM 204 - PROOF ROLLING
- 9 ITEM 204 - GEOTEXTILE FABRIC
- 10 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), AS PER PLAN, PG76-22M
- 11 ITEM 302 - 8" ASPHALT CONCRETE BASE (PLACED IN TWO EQUAL LIFTS), PG64-22, (449)
- 12 ITEM 304 - 8" AGGREGATE BASE
- 13 NOT USED
- 14 ITEM 611 - INLET MISC.: BARRIER WINDOW OPENING, JERSEY SHAPE, TYPE D
- 15 ITEM 304 - 19.25" AGGREGATE BASE
- 16 ITEM 441 - 1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, 449 (DRIVEWAYS)
- 17 ITEM 441 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22, 449 (DRIVEWAYS)
- 18 ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN
- 19 ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
- 20 ITEM 605 - 4" BASE PIPE UNDERDRAIN
- 21 ITEM 609 - CURB, TYPE 6
- 22 ITEM 609 - CURB, TYPE 9
- 23 ITEM 609 - CURB, TYPE 4-A
- 24 ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- 25 ITEM 659 - SEEDING AND MULCHING
- 26 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH VARIES: 3¼" - 5")
- 27 ITEM 606 - GUARDRAIL, TYPE MGS
- 28 ITEM 302 - 4" ASPHALT CONCRETE BASE, PG64-22, 449
- 29 ITEM 302 - 5" ASPHALT CONCRETE BASE, PG64-22, 449, (DRIVEWAYS)
- 30 ITEM 690 SPECIAL - BLACK STONE MULCH, (12" DEPTH)
- 31 ITEM 204 - SUBGRADE COMPACTION
- 32 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1½"

A	VARIES: ±3.5' TO 4.0'	FROM STA. 246+00.00 TO STA. 247+00.00
B	VARIES: ±12.6' TO 12.0'	FROM STA. 246+00.00 TO STA. 247+00.00
C	VARIES: ±11.3' TO 12.0'	FROM STA. 246+00.00 TO STA. 247+00.00
D	VARIES: ±11.2' TO 10.0'	FROM STA. 246+00.00 TO STA. 247+00.00
E	10.0'	FROM STA. 247+00.00 TO STA. 254+22.92 VARIES: 10.0' TO 9.5' FROM STA. 254+22.92 TO STA. 254+36.14
F	VARIES: 2.3' TO 2.5'	FROM STA. 254+31.59 TO STA. 254+36.14
G	8.0'	FROM STA. 248+27.56 TO STA. 253+85.53 VARIES: 8.0' TO 10.0' FROM STA. 253+85.53 TO STA. 254+35.60 10.0' FROM STA. 254+35.60 TO STA. 254+36.14
H	VARIES: 23.0' TO 0.0'	FROM STA. 248+27.56 TO STA. 254+36.14

\* 0.016 (MAX)

▽ FOR EDGE COURSE DETAILS, SEE SHEET P.020



APPLIES TO:  
 STA. 254+31.59 TO STA. 254+36.14

DESIGN AGENCY

**TRANSYSTEMS**  
 400 W. NATIONWIDE BLVD., STE 225  
 COLUMBUS, OHIO 43215

DESIGNER

NE

REVIEWER

GHM 01/29/26

PROJECT ID

118055

SHEET TOTAL

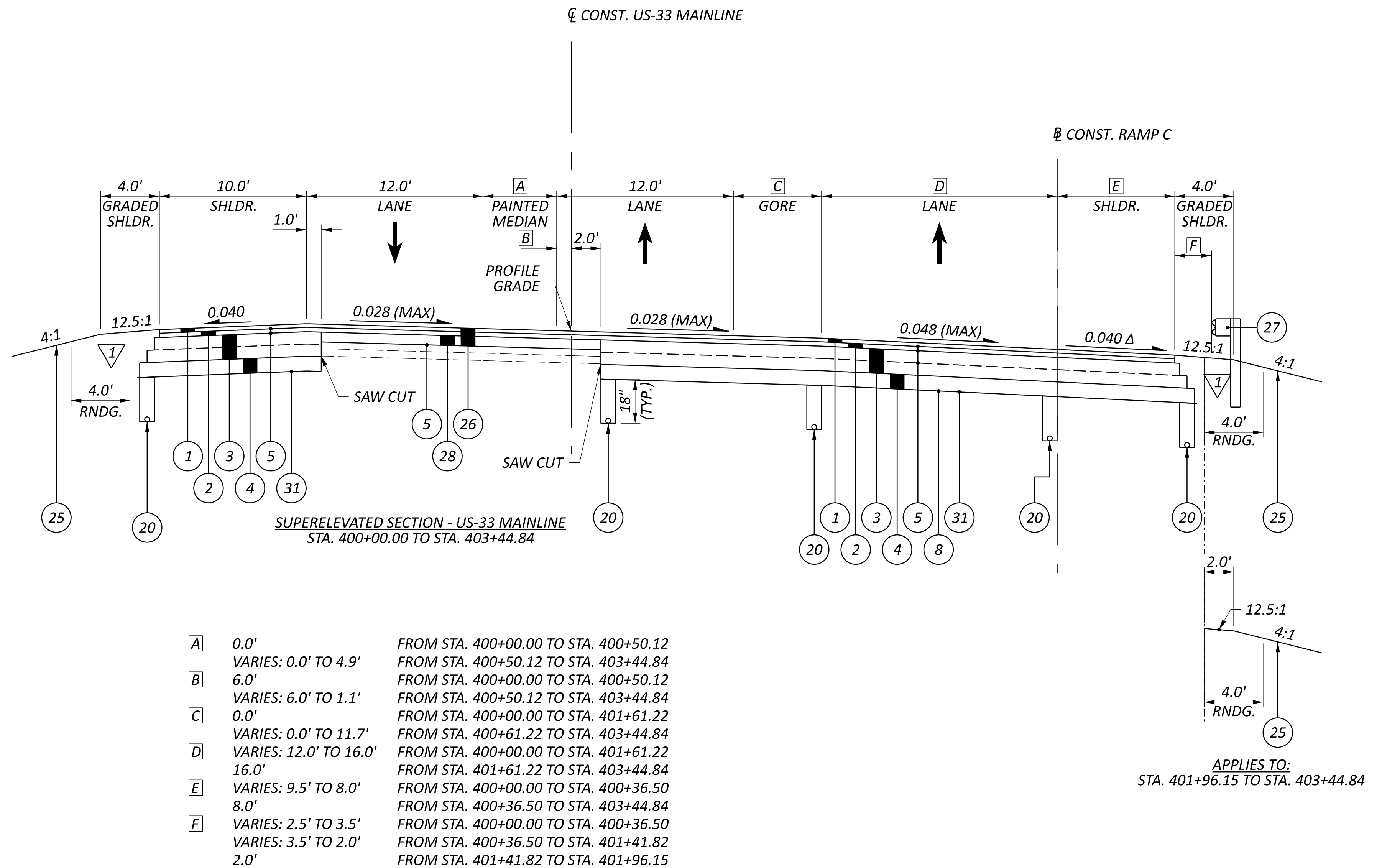
P.008 | 298

**LEGEND:**

- 1 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), PG70-22M
- 2 ITEM 442 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (448), PG64-28
- 3 ITEM 302 - 10" ASPHALT CONCRETE BASE (PLACED IN TWO EQUAL LIFTS), PG64-22, (449)
- 4 ITEM 304 - 6" AGGREGATE BASE
- 5 ITEM 407 - NON-TRACKING TACK COAT (RATE AS PER C&MS TABLE 407.06-1)
- 6 ITEM 204 - 12" EXCAVATION OF SUBGRADE
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- 8 ITEM 204 - PROOF ROLLING
- 9 ITEM 204 - GEOTEXTILE FABRIC
- 10 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), AS PER PLAN, PG76-22M
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- 12 ITEM 304 - 8" AGGREGATE BASE
- 13 NOT USED
- 14 ITEM 611 - INLET MISC.: BARRIER WINDOW OPENING, JERSEY SHAPE, TYPE D
- 15 ITEM 304 - 19.25" AGGREGATE BASE
- 16 ITEM 441 - 1¾" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, 449 (DRIVEWAYS)
- 17 ITEM 441 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22, 449 (DRIVEWAYS)
- 18 ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN
- 19 ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
- 20 ITEM 605 - 4" BASE PIPE UNDERDRAIN
- 21 ITEM 609 - CURB, TYPE 6
- 22 ITEM 609 - CURB, TYPE 9
- 23 ITEM 609 - CURB, TYPE 4-A
- 24 ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- 25 ITEM 659 - SEEDING AND MULCHING
- 26 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH VARIES: 3¼" - 5")
- 27 ITEM 606 - GUARDRAIL, TYPE MGS
- 28 ITEM 302 - 4" ASPHALT CONCRETE BASE, PG64-22, 449
- 29 ITEM 302 - 5" ASPHALT CONCRETE BASE, PG64-22, 449, (DRIVEWAYS)
- 30 ITEM 690 SPECIAL - BLACK STONE MULCH, (12" DEPTH)
- 31 ITEM 204 - SUBGRADE COMPACTION
- 32 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1½"

Δ 0.040 OR RATE OF SUPERELEVATION, WHICHEVER IS GREATER

▽ FOR EDGE COURSE DETAILS, SEE SHEET P.020

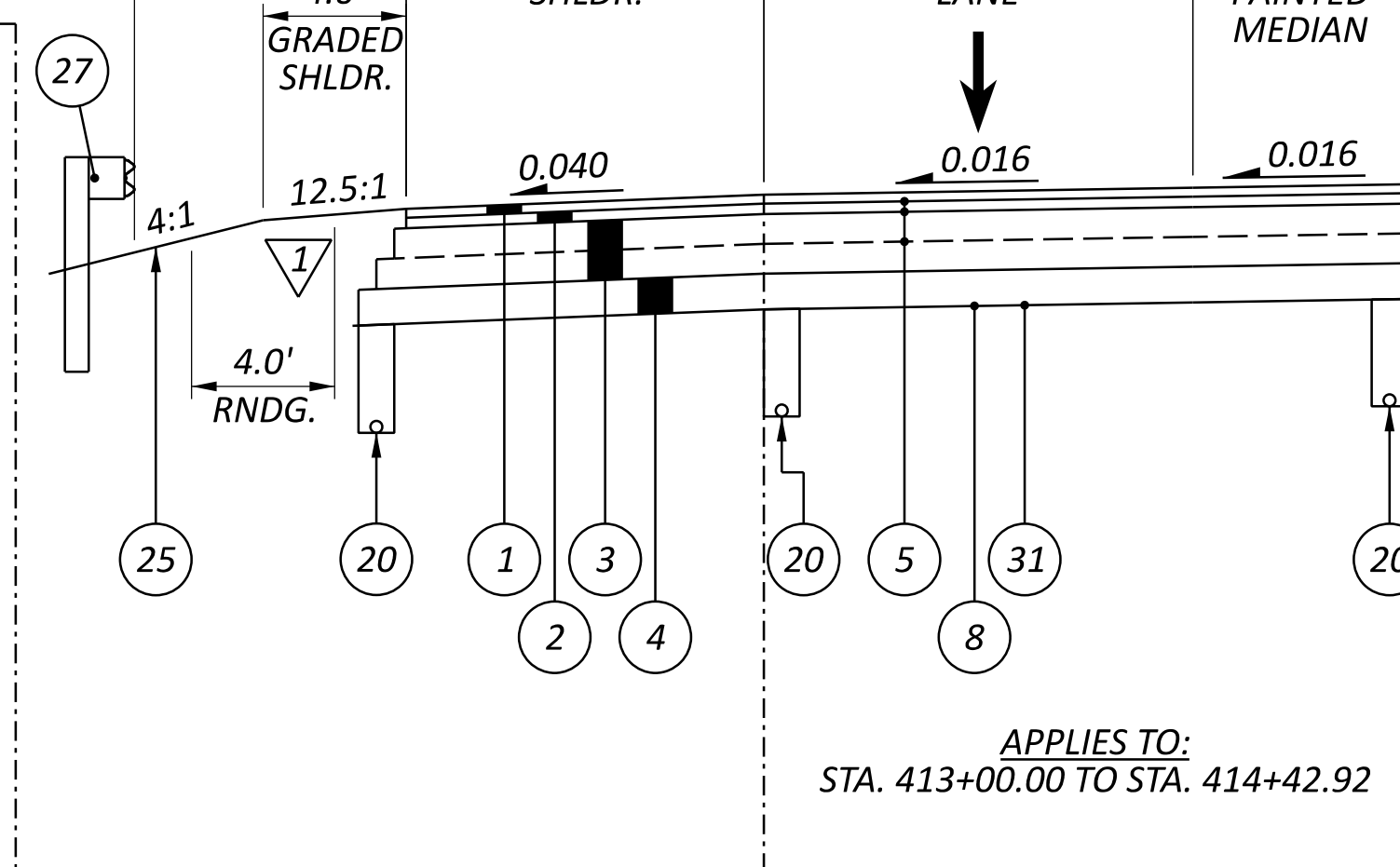
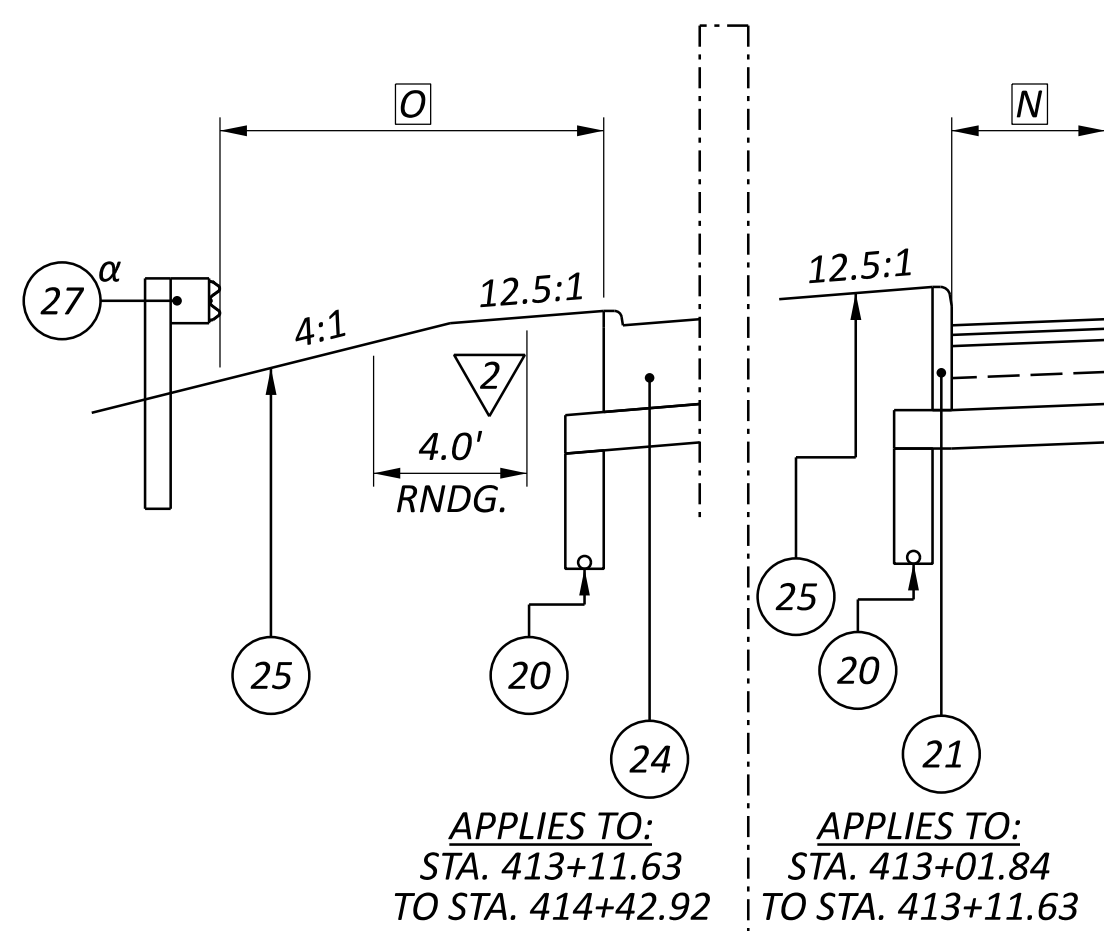


<p><b>A</b> 0.0' VARIES: 0.0' TO 4.9'</p> <p><b>B</b> 6.0' VARIES: 6.0' TO 1.1'</p> <p><b>C</b> 0.0' VARIES: 0.0' TO 11.7'</p> <p><b>D</b> VARIES: 12.0' TO 16.0' 16.0'</p> <p><b>E</b> VARIES: 9.5' TO 8.0' 8.0'</p> <p><b>F</b> VARIES: 2.5' TO 3.5' VARIES: 3.5' TO 2.0' 2.0'</p>	<p>FROM STA. 400+00.00 TO STA. 400+50.12</p> <p>FROM STA. 400+50.12 TO STA. 403+44.84</p> <p>FROM STA. 400+00.00 TO STA. 400+50.12</p> <p>FROM STA. 400+50.12 TO STA. 403+44.84</p> <p>FROM STA. 400+00.00 TO STA. 401+61.22</p> <p>FROM STA. 400+61.22 TO STA. 403+44.84</p> <p>FROM STA. 400+00.00 TO STA. 401+61.22</p> <p>FROM STA. 401+61.22 TO STA. 403+44.84</p> <p>FROM STA. 400+00.00 TO STA. 400+36.50</p> <p>FROM STA. 400+36.50 TO STA. 403+44.84</p> <p>FROM STA. 400+00.00 TO STA. 400+36.50</p> <p>FROM STA. 400+36.50 TO STA. 401+41.82</p> <p>FROM STA. 401+41.82 TO STA. 401+96.15</p>
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APPLIES TO:  
STA. 401+96.15 TO STA. 403+44.84

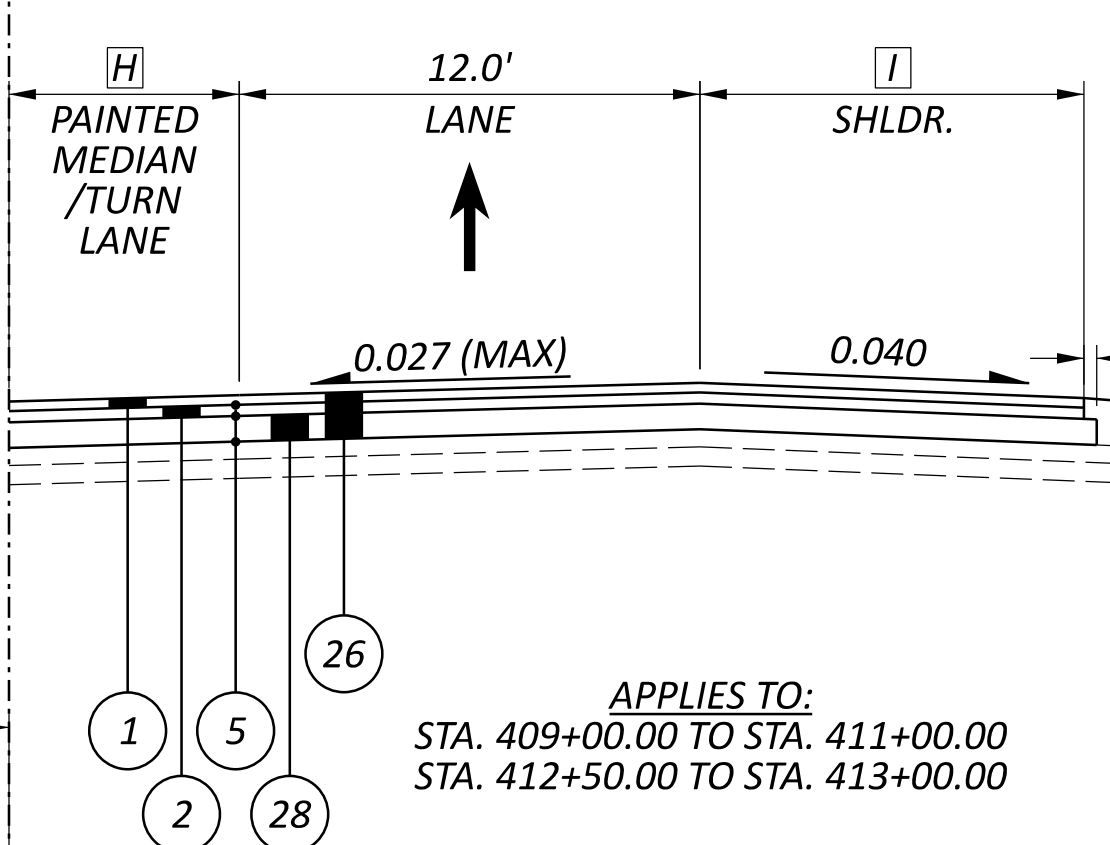
LEGEND:

- 1 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), PG70-22M
- 2 ITEM 442 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (448), PG64-28
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- 5 ITEM 407 - NON-TRACKING TACK COAT (RATE AS PER C&MS TABLE 407.06-1)
- 6 ITEM 204 - 12" EXCAVATION OF SUBGRADE
- 7 ITEM 204 - 12" GRANULAR MATERIAL, TYPE B
- 8 ITEM 204 - PROOF ROLLING
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- 14 ITEM 611 - INLET MISC.: BARRIER WINDOW OPENING, JERSEY SHAPE, TYPE D
- 15 ITEM 304 - 19.25" AGGREGATE BASE
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- 18 ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN
- 19 ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
- 20 ITEM 605 - 4" BASE PIPE UNDERDRAIN
- 21 ITEM 609 - CURB, TYPE 6
- 22 ITEM 609 - CURB, TYPE 9
- 23 ITEM 609 - CURB, TYPE 4-A
- 24 ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- 25 ITEM 659 - SEEDING AND MULCHING
- 26 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH VARIES: 3¼" - 5")
- 27 ITEM 606 - GUARDRAIL, TYPE MGS
- 28 ITEM 302 - 4" ASPHALT CONCRETE BASE, PG64-22, 449
- 29 ITEM 302 - 5" ASPHALT CONCRETE BASE, PG64-22, 449, (DRIVEWAYS)
- 30 ITEM 690 SPECIAL - BLACK STONE MULCH, (12" DEPTH)
- 31 ITEM 204 - SUBGRADE COMPACTION
- 32 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1½"



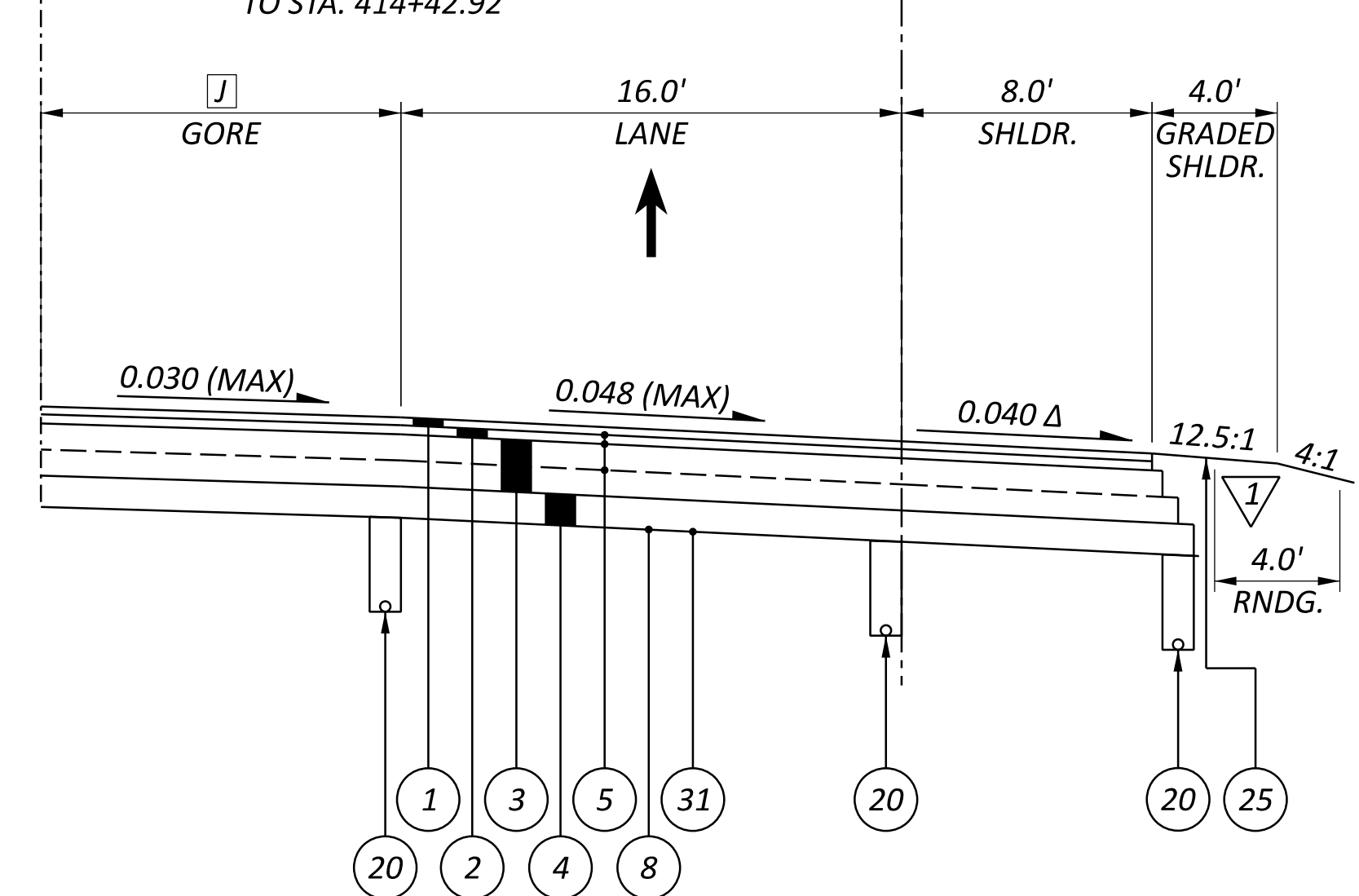
- A 2.0'  
2.0'  
VARIES: 2.0' TO 7.6'
- B 10.0'  
VARIES: 10.0' TO 4.4'
- C 12.0'  
12.0'  
VARIES: 4.9' TO 6.0'
- D 6.0'  
VARIES: 6.0' TO 5.2'

FROM STA. 410+77.21 TO STA. 411+00.00  
 FROM STA. 412+50.00 TO STA. 412+71.84  
 FROM STA. 412+71.84 TO STA. 413+00.00  
 FROM STA. 403+00.00 TO STA. 411+00.00  
 FROM STA. 412+50.00 TO STA. 412+71.84  
 FROM STA. 412+71.84 TO STA. 413+00.00  
 FROM STA. 403+44.84 TO STA. 407+70.23  
 FROM STA. 407+70.23 TO STA. 411+00.00  
 FROM STA. 412+50.00 TO STA. 414+42.92  
 FROM STA. 403+44.84 TO STA. 404+10.13  
 FROM STA. 404+10.13 TO STA. 412+51.02  
 FROM STA. 412+51.02 TO STA. 413+00.00



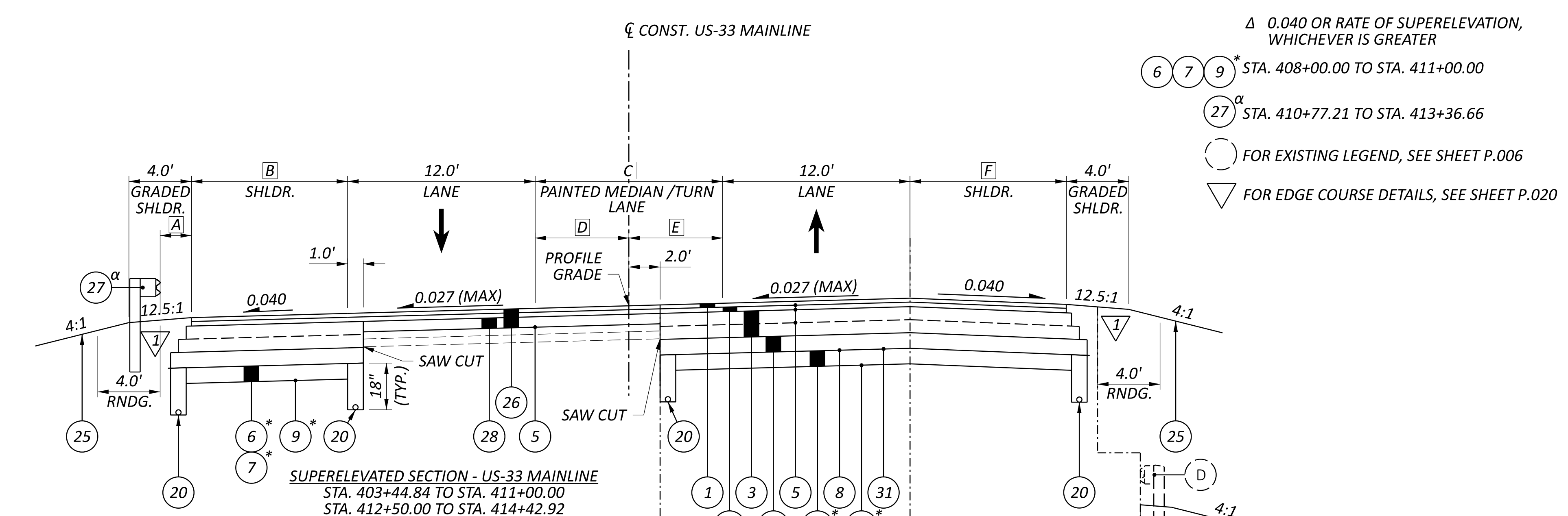
- E VARIES: 0.0' TO 6.0'  
6.0'  
VARIES: 6.8' TO 8.6'  
VARIES: 8.6' TO 7.1'
- F 10.0'  
10.0'  
VARIES: 9.3' TO 4.0'
- G VARIES: 4.0' TO 2.1'
- H 4.0'  
4.0'  
VARIES: 4.0' TO 4.8'
- I 10.0'  
10.0'  
VARIES: 10.0' TO 9.3'

FROM STA. 404+10.13 TO STA. 407+70.23  
 FROM STA. 407+70.23 TO STA. 409+00.00  
 FROM STA. 413+00.00 TO STA. 413+77.52  
 FROM STA. 413+77.52 TO STA. 414+42.92  
 FROM STA. 404+38.92 TO STA. 411+00.00  
 FROM STA. 412+50.00 TO STA. 412+81.21  
 FROM STA. 413+00.00 TO STA. 414+33.57  
 FROM STA. 414+33.57 TO STA. 414+42.92  
 FROM STA. 409+00.00 TO STA. 411+00.00  
 FROM STA. 412+50.00 TO STA. 412+52.67  
 FROM STA. 412+52.67 TO STA. 413+00.00  
 FROM STA. 409+00.00 TO STA. 411+00.00  
 FROM STA. 412+50.00 TO STA. 412+81.21  
 FROM STA. 412+81.21 TO STA. 413+00.00



- J VARIES: 11.7' TO 23.0'
- K VARIES: 7.6 TO 8.0'
- L VARIES: 4.4' TO 4.0'
- M VARIES: 7.2' TO 5.4'
- N VARIES: 5.4' TO 6.9'
- O VARIES: 4.0' TO 2.0'

FROM STA. 403+44.84 TO STA. 404+38.93  
 FROM STA. 413+00.00 TO STA. 413+01.84  
 FROM STA. 413+00.00 TO STA. 413+01.84  
 FROM STA. 413+00.00 TO STA. 413+77.52  
 FROM STA. 413+77.52 TO STA. 414+42.92  
 FROM STA. 413+01.84 TO STA. 413+11.63  
 FROM STA. 413+11.63 TO STA. 413+36.66



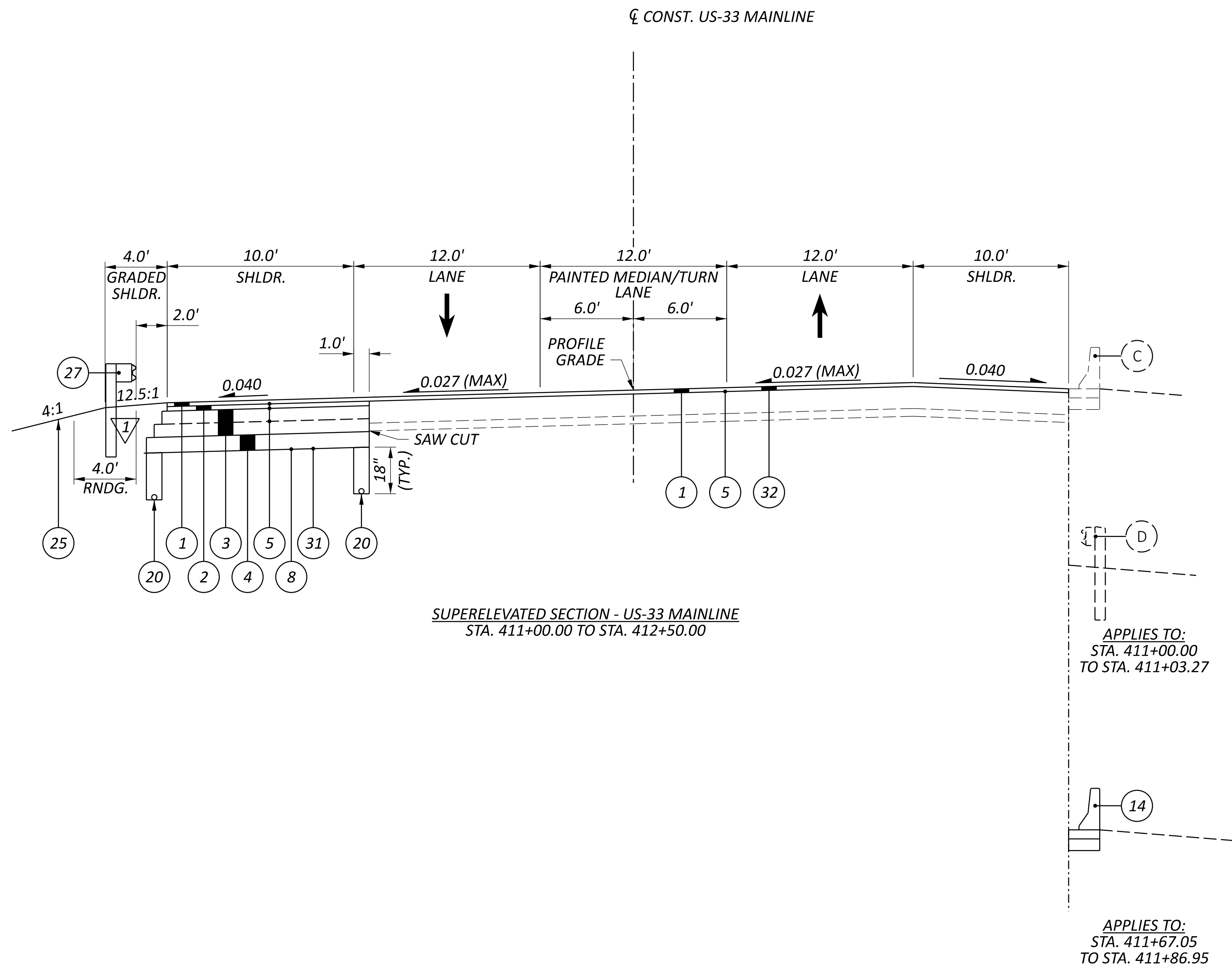
- Δ 0.040 OR RATE OF SUPERELEVATION, WHICHEVER IS GREATER
- 6 7 9 STA. 408+00.00 TO STA. 411+00.00
- 27 STA. 410+77.21 TO STA. 413+36.66
- FOR EXISTING LEGEND, SEE SHEET P.006
- ▽ FOR EDGE COURSE DETAILS, SEE SHEET P.020

TYPICAL SECTIONS - US-33 MAINLINE

**LEGEND:**

- 1 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), PG70-22M
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- 30 ITEM 690 SPECIAL - BLACK STONE MULCH, (12" DEPTH)
- 31 ITEM 204 - SUBGRADE COMPACTION
- 32 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1½"

○ FOR EXISTING LEGEND, SEE SHEET P.006  
 ▽ FOR EDGE COURSE DETAILS, SEE SHEET P.020



TYPICAL SECTIONS - US-33 MAINLINE

DESIGN AGENCY

**TRANSYSTEMS**  
 400 W. NATIONWIDE BLVD., STE 225  
 COLUMBUS, OHIO 43215

DESIGNER

NE

REVIEWER

GHM 01/29/26

PROJECT ID

118055

SHEET TOTAL

P.011 | 298

LEGEND:

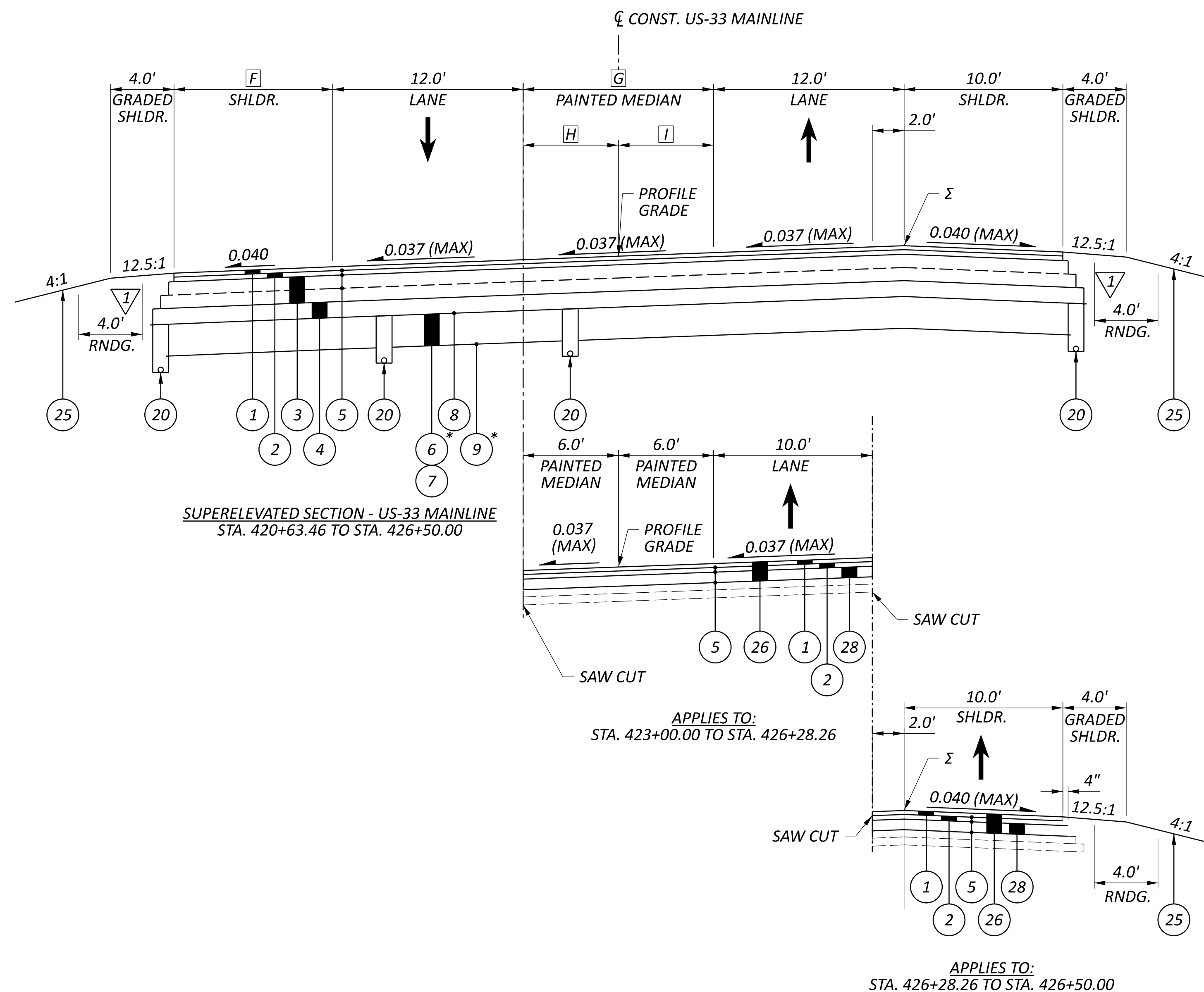
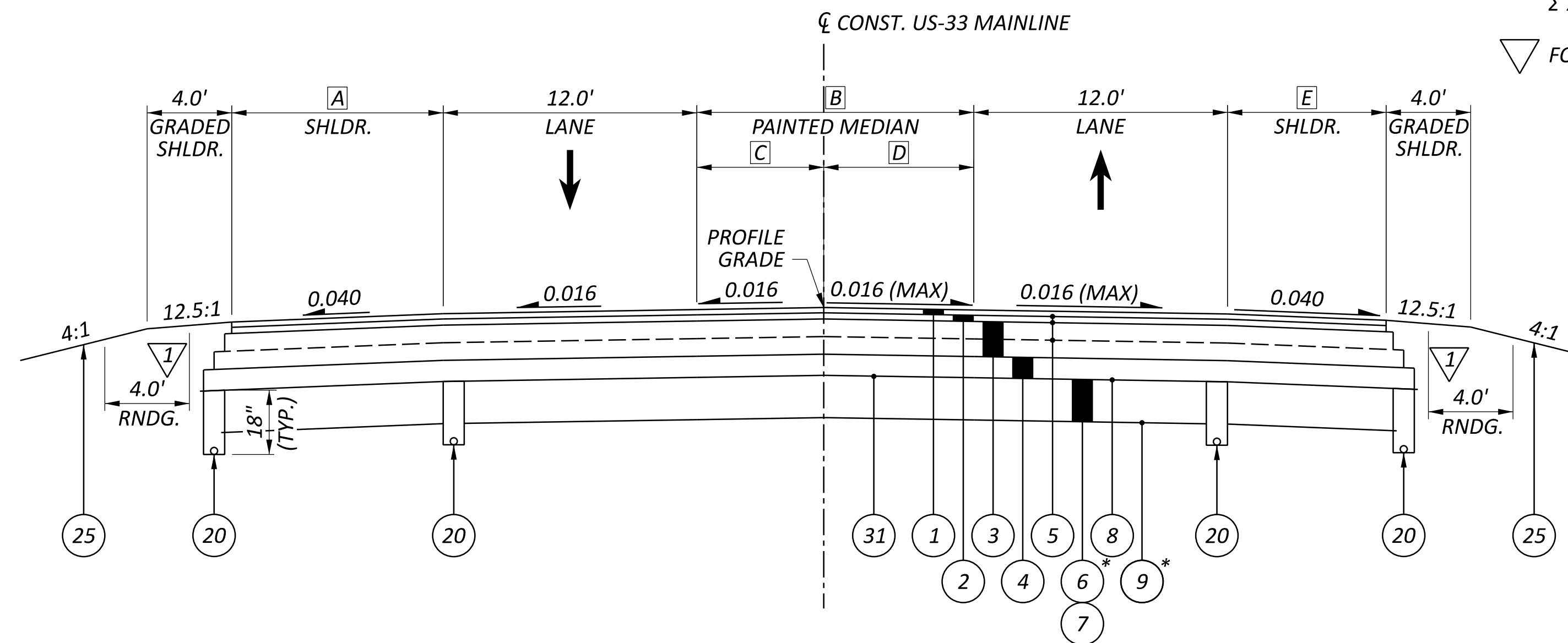
- 1 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), PG70-22M
- 2 ITEM 442 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (448), PG64-28
- 3 ITEM 302 - 10" ASPHALT CONCRETE BASE (PLACED IN TWO EQUAL LIFTS), PG64-22, (449)
- 4 ITEM 304 - 6" AGGREGATE BASE
- 5 ITEM 407 - NON-TRACKING TACK COAT (RATE AS PER C&MS TABLE 407.06-1)
- 6 ITEM 204 - 12" EXCAVATION OF SUBGRADE
- 7 ITEM 204 - 12" GRANULAR MATERIAL, TYPE B
- 8 ITEM 204 - PROOF ROLLING
- 9 ITEM 204 - GEOTEXTILE FABRIC
- 10 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), AS PER PLAN, PG76-22M
- 11 ITEM 302 - 8" ASPHALT CONCRETE BASE (PLACED IN TWO EQUAL LIFTS), PG64-22, (449)
- 12 ITEM 304 - 8" AGGREGATE BASE
- 13 NOT USED
- 14 ITEM 611 - INLET MISC.: BARRIER WINDOW OPENING, JERSEY SHAPE, TYPE D
- 15 ITEM 304 - 19.25" AGGREGATE BASE
- 16 ITEM 441 - 1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, 449 (DRIVEWAYS)
- 17 ITEM 441 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22, 449 (DRIVEWAYS)
- 18 ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN
- 19 ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
- 20 ITEM 605 - 4" BASE PIPE UNDERDRAIN
- 21 ITEM 609 - CURB, TYPE 6
- 22 ITEM 609 - CURB, TYPE 9
- 23 ITEM 609 - CURB, TYPE 4-A
- 24 ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- 25 ITEM 659 - SEEDING AND MULCHING
- 26 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH VARIES: 3¼" - 5")
- 27 ITEM 606 - GUARDRAIL, TYPE MGS
- 28 ITEM 302 - 4" ASPHALT CONCRETE BASE, PG64-22, 449
- 29 ITEM 302 - 5" ASPHALT CONCRETE BASE, PG64-22, 449, (DRIVEWAYS)
- 30 ITEM 690 SPECIAL - BLACK STONE MULCH, (12" DEPTH)
- 31 ITEM 204 - SUBGRADE COMPACTION
- 32 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1½"

- A VARIES: 2.0' TO 4.2' FROM STA. 420+08.93 TO STA. 420+63.46
- B VARIES: 17.9' TO 19.6' FROM STA. 420+08.93 TO STA. 420+54.34
- C VARIES: 19.6' TO 19.5' FROM STA. 420+54.34 TO STA. 420+63.46
- D VARIES: 13.7' TO 13.9' FROM STA. 420+08.93 TO STA. 420+54.34
- E VARIES: 13.9' TO 19.6' FROM STA. 420+54.34 TO STA. 420+63.46
- F VARIES: 4.1" TO 5.9' FROM STA. 420+08.93 TO STA. 420+63.46
- G VARIES: 2.0' TO 10.0' FROM STA. 420+08.93 TO STA. 420+48.07
- H VARIES: 2.0' TO 10.0' FROM STA. 420+48.07 TO STA. 420+63.46
- I VARIES: 2.0' TO 10.0' FROM STA. 420+63.46 TO STA. 422+08.87
- J VARIES: 10.0' FROM STA. 422+08.87 TO STA. 426+50.00
- K VARIES: 19.5' TO 12.0' FROM STA. 420+63.46 TO STA. 422+84.09
- L VARIES: 10.0' FROM STA. 420+84.09 TO STA. 426+50.00
- M VARIES: 13.6' TO 6.0' FROM STA. 420+63.46 TO STA. 422+84.09
- N VARIES: 6.0' FROM STA. 422+84.09 TO STA. 426+50.00
- O VARIES: 5.9' TO 6.0' FROM STA. 420+63.46 TO STA. 421+27.67
- P VARIES: 6.0' FROM STA. 421+27.67 TO STA. 423+00.00

6 7 9\* STA. 419+00.00 TO STA. 421+00.00

Σ 7% MAX BREAK

▽ FOR EDGE COURSE DETAILS, SEE SHEET P.020



TYPICAL SECTIONS - US-33 MAINLINE

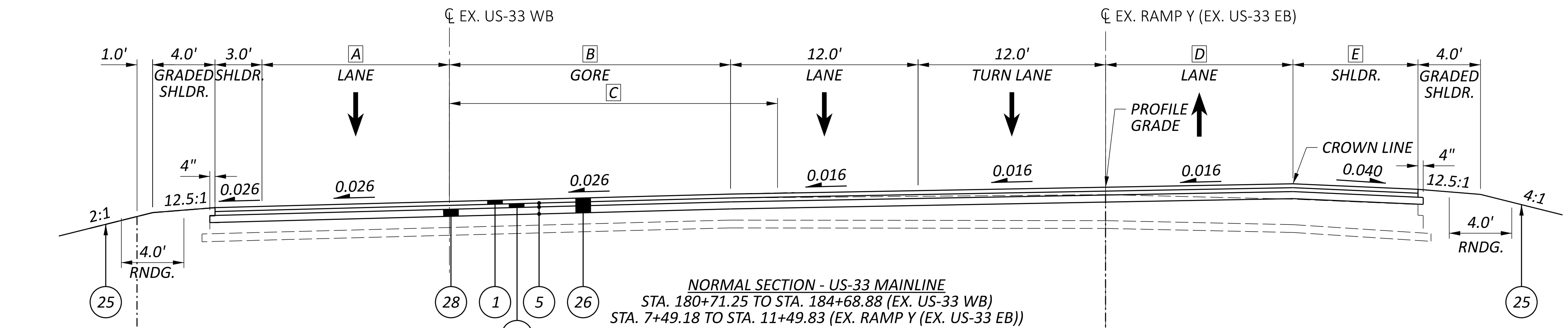
LEGEND:

- 1 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), PG70-22M
- 2 ITEM 442 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (448), PG64-28
- 3 ITEM 302 - 10" ASPHALT CONCRETE BASE (PLACED IN TWO EQUAL LIFTS), PG64-22, (449)
- 4 ITEM 304 - 6" AGGREGATE BASE
- 5 ITEM 407 - NON-TRACKING TACK COAT (RATE AS PER C&MS TABLE 407.06-1)
- 6 ITEM 204 - 12" EXCAVATION OF SUBGRADE
- 7 ITEM 204 - 12" GRANULAR MATERIAL, TYPE B
- 8 ITEM 204 - PROOF ROLLING
- 9 ITEM 204 - GEOTEXTILE FABRIC
- 10 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), AS PER PLAN, PG76-22M
- 11 ITEM 302 - 3" ASPHALT CONCRETE BASE (PLACED IN TWO EQUAL LIFTS), PG64-22, (449)
- 12 ITEM 304 - 8" AGGREGATE BASE
- 13 NOT USED
- 14 ITEM 611 - INLET MISC.: BARRIER WINDOW OPENING, JERSEY SHAPE, TYPE D
- 15 ITEM 304 - 19.25" AGGREGATE BASE
- 16 ITEM 441 - 1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, 449 (DRIVEWAYS)
- 17 ITEM 441 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22, 449 (DRIVEWAYS)
- 18 ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN
- 19 ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
- 20 ITEM 605 - 4" BASE PIPE UNDERDRAIN
- 21 ITEM 609 - CURB, TYPE 6
- 22 ITEM 609 - CURB, TYPE 9
- 23 ITEM 609 - CURB, TYPE 4-A
- 24 ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- 25 ITEM 659 - SEEDING AND MULCHING
- 26 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH VARIES: 3¼" - 5")
- 27 ITEM 606 - GUARDRAIL, TYPE MGS
- 28 ITEM 302 - 4" ASPHALT CONCRETE BASE, PG64-22, 449
- 29 ITEM 302 - 5" ASPHALT CONCRETE BASE, PG64-22, 449, (DRIVEWAYS)
- 30 ITEM 690 SPECIAL - BLACK STONE MULCH, (12" DEPTH)
- 31 ITEM 204 - SUBGRADE COMPACTION
- 32 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1½"

- I 5.0' FROM STA. 184+68.88 TO STA. 185+69.61  
VARIES: 5.0' TO 7.4'±
- J 3.0' FROM STA. 184+68.88 TO STA. 186+37.99  
VARIES: 3.0' TO 2.7'±
- K 3.0' FROM STA. 184+68.88 TO STA. 187+91.02  
VARIES: 9.0' TO 0.0'
- L 0.0' FROM STA. 187+91.02 TO STA. 189+63.31  
VARIES: 3.0' TO 12.0'
- M 12.0' FROM STA. 184+68.88 TO STA. 186+37.99  
VARIES: 12.0' TO 12.3'
- N 12.3' FROM STA. 187+91.02 TO STA. 189+63.31  
VARIES: 12.3' TO 12.1'±
- O 11.5' FROM STA. 184+68.88 TO STA. 189+62.97  
VARIES: 11.5' TO 0.0'
- P 0.0' FROM STA. 189+62.97 TO STA. 189+63.31  
VARIES: 11.5' TO 11.1'
- Q 11.1' FROM STA. 187+69.67 TO STA. 189+63.31  
VARIES: 11.1' TO 12.3'±
- R 6.5' FROM STA. 184+68.88 TO STA. 189+63.31  
VARIES: 2.0'± TO 2.3'±
- S 2.0'± FROM STA. 189+23.72 TO STA. 189+63.31  
VARIES: 7.4'± TO 6.9'±

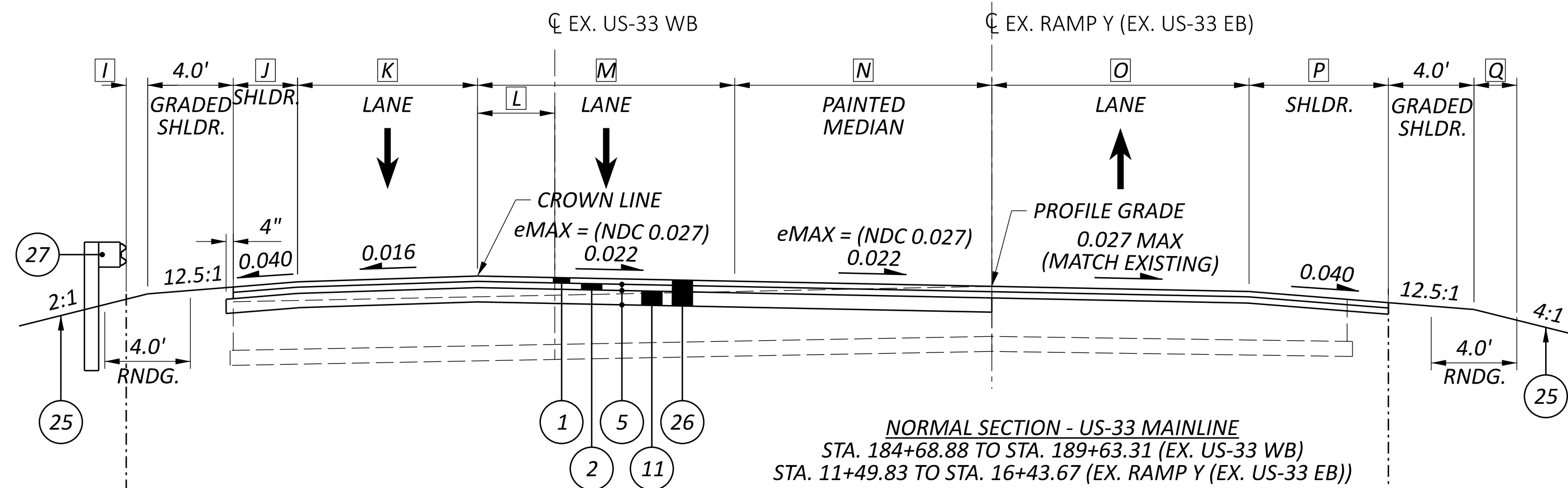
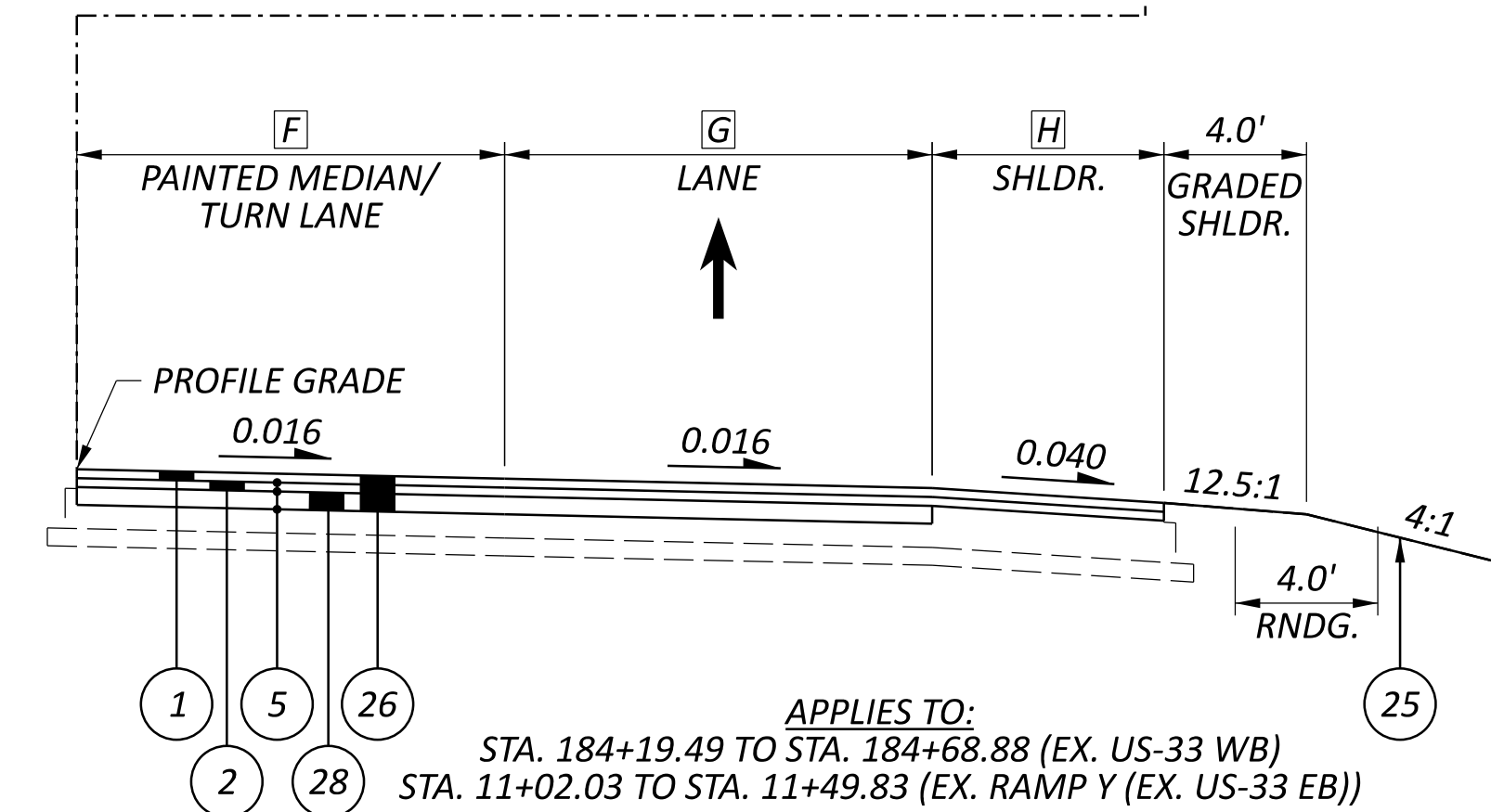
FOR EXISTING LEGEND, SEE SHEET P.006

5\* 28\* STA. 266+00.00 TO STA. 267+00.00

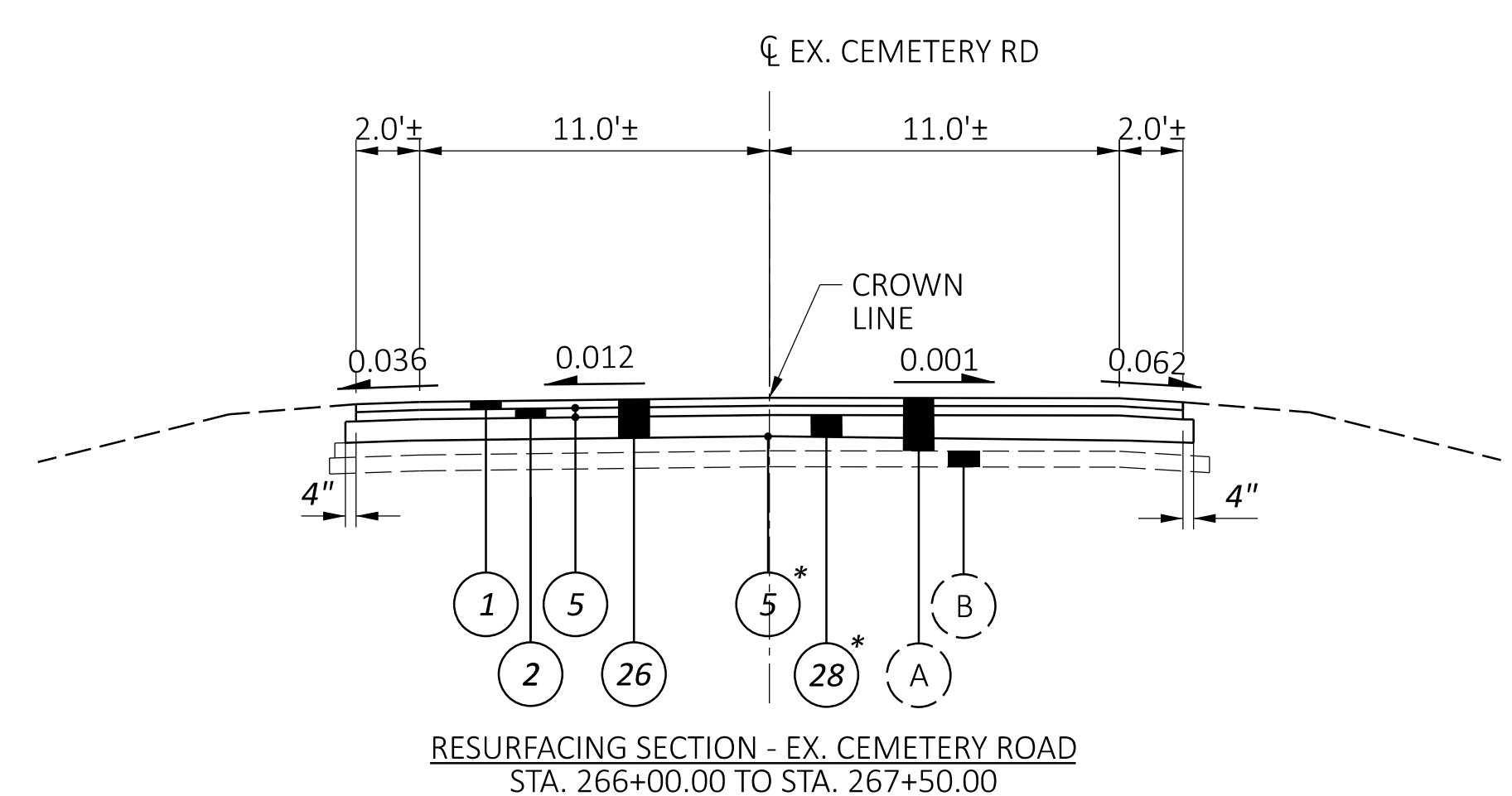
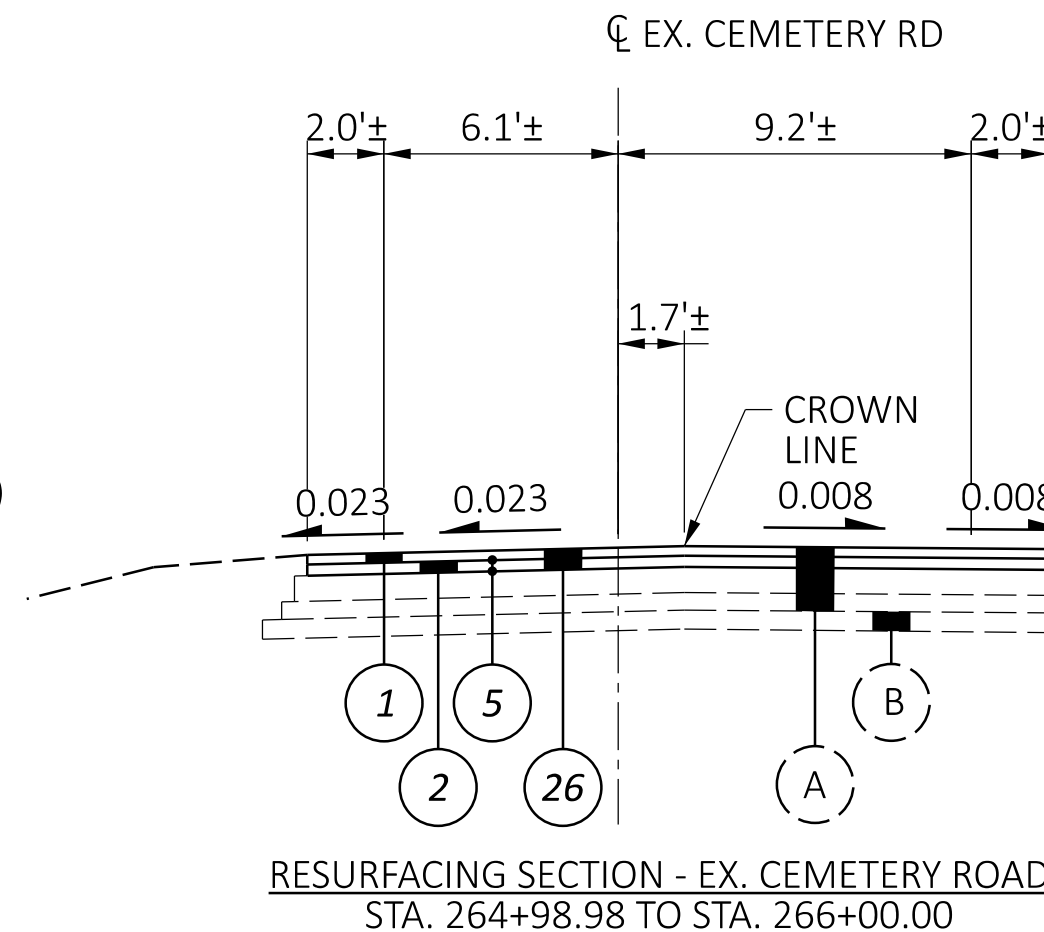
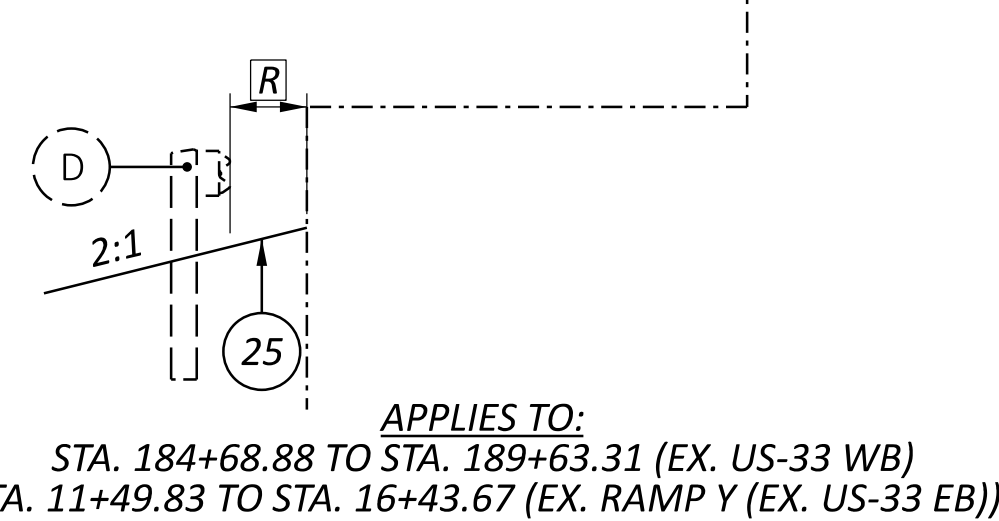


APPLIES TO:  
 STA. 182+66.53 TO STA. 184+68.88 (EX. US-33 WB)  
 STA. 9+50.00 TO STA. 11+49.83 (EX. US-33 EB)

A	12.0'	FROM STA. 8+56.41 TO STA. 11+02.03
B	VARIES: 12.0' TO 9.0'	FROM STA. 11+02.03 TO STA. 11+49.83
C	VARIES: 17.4' TO 0.0'	FROM STA. 8+56.41 TO STA. 11+02.03
D	0.0'	FROM STA. 11+02.03 TO STA. 11+49.83
E	VARIES: 20.4' TO 3.0'	FROM STA. 8+56.41 TO STA. 11+49.83
F	VARIES: 11.9' TO 11.6'	FROM STA. 8+56.41 TO STA. 11+02.03
G	VARIES: 7.8' TO 6.7'	FROM STA. 8+56.41 TO STA. 11+02.03
H	VARIES: 12.0' TO 11.5'	FROM STA. 11+02.03 TO STA. 11+49.83
I	VARIES: 11.6' TO 11.5'	FROM STA. 11+02.03 TO STA. 11+49.83
J	VARIES: 6.7' TO 6.5'	FROM STA. 11+02.03 TO STA. 11+49.83



APPLIES TO:  
 STA. 189+23.72 TO STA. 189+63.31 (EX. US-33 WB)  
 STA. 12+43.67 TO STA. 16+43.67 (EX. US-33 EB)

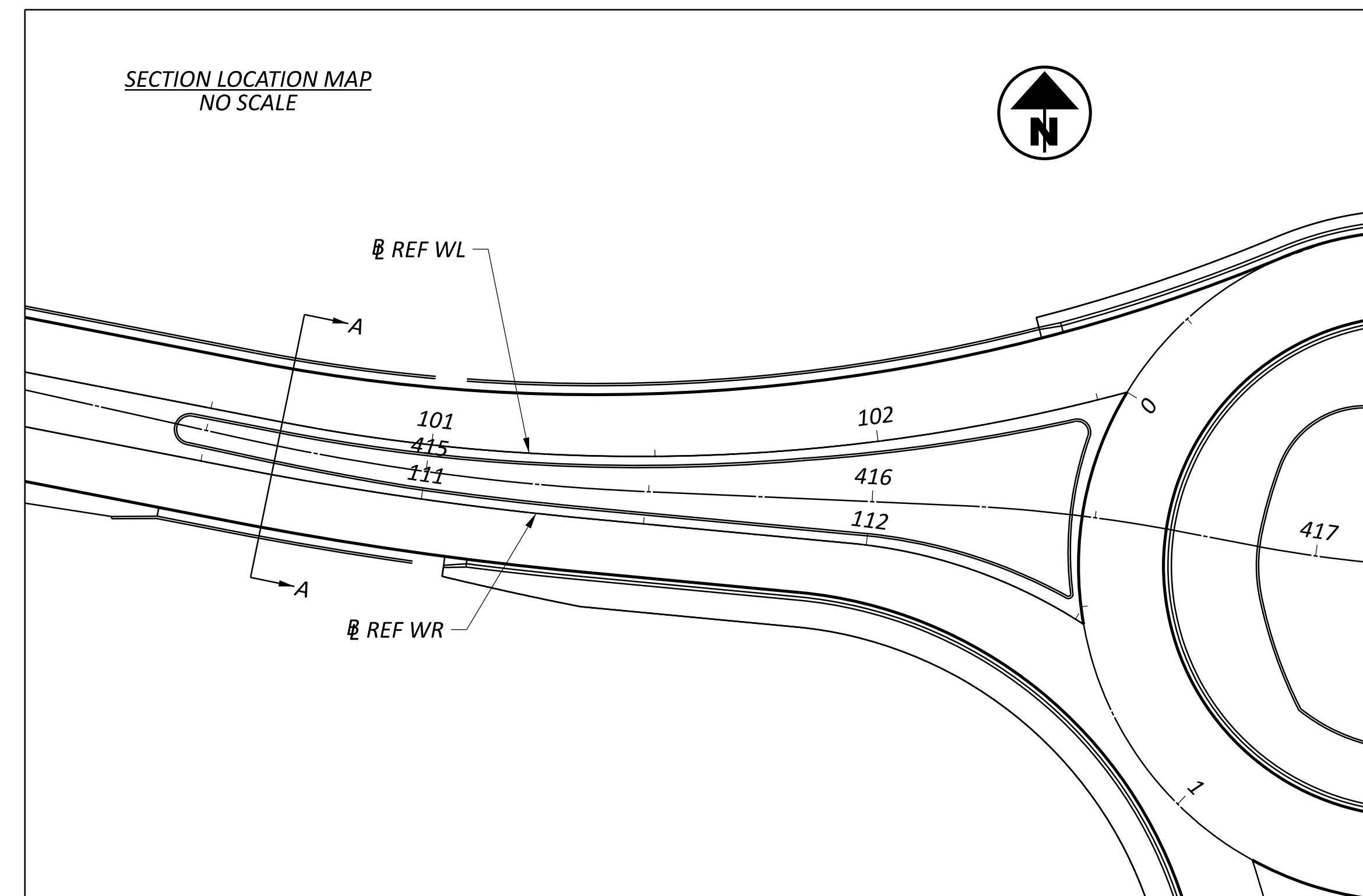
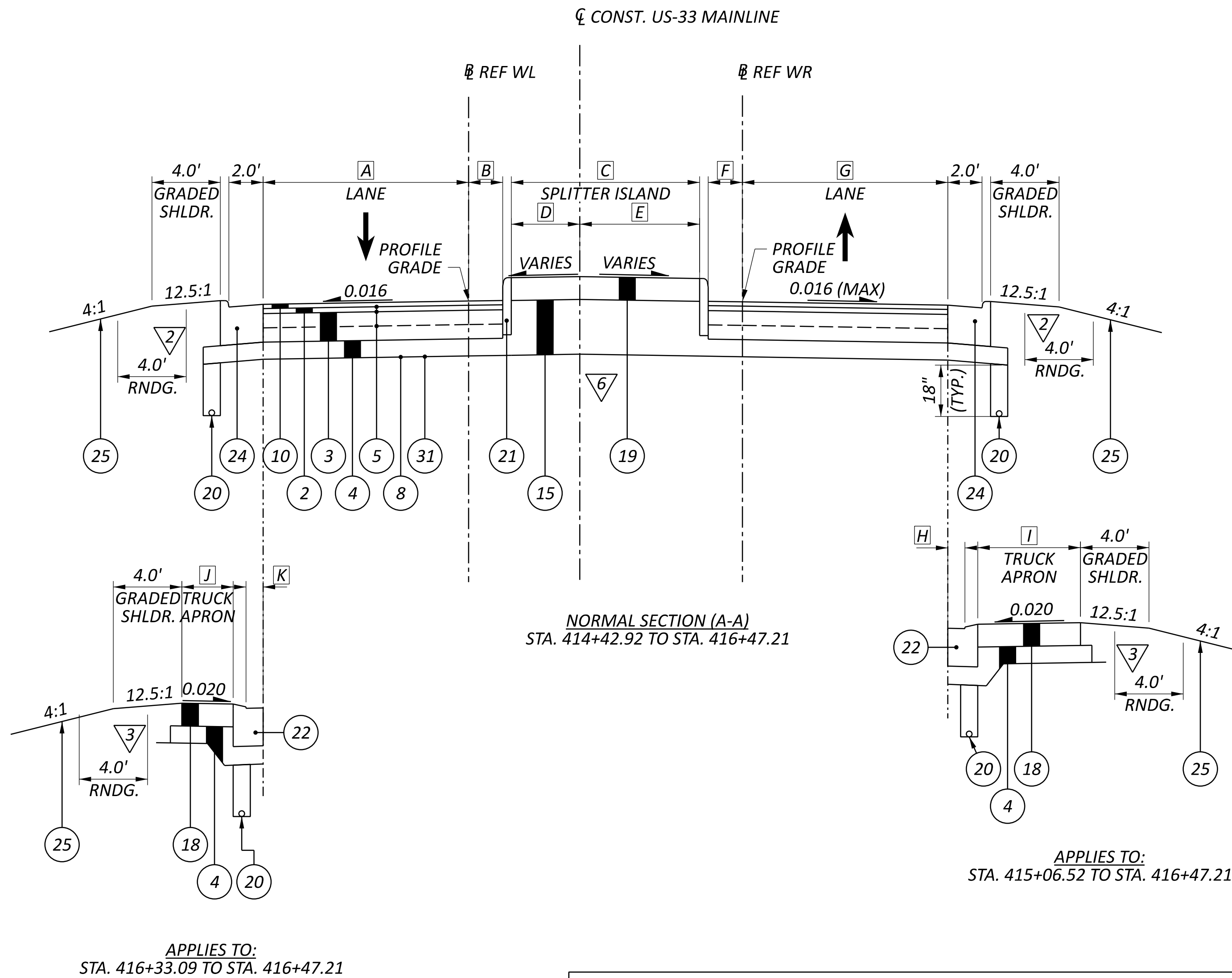


LEGEND:

- 1 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), PG70-22M
- 2 ITEM 442 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (448), PG64-28
- 3 ITEM 302 - 10" ASPHALT CONCRETE BASE (PLACED IN TWO EQUAL LIFTS), PG64-22, (449)
- 4 ITEM 304 - 6" AGGREGATE BASE
- 5 ITEM 407 - NON-TRACKING TACK COAT (RATE AS PER C&MS TABLE 407.06-1)
- 6 ITEM 204 - 12" EXCAVATION OF SUBGRADE
- 7 ITEM 204 - 12" GRANULAR MATERIAL, TYPE B
- 8 ITEM 204 - PROOF ROLLING
- 9 ITEM 204 - GEOTEXTILE FABRIC
- 10 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), AS PER PLAN, PG76-22M
- 11 ITEM 302 - 8" ASPHALT CONCRETE BASE (PLACED IN TWO EQUAL LIFTS), PG64-22, (449)
- 12 ITEM 304 - 8" AGGREGATE BASE
- 13 NOT USED
- 14 ITEM 611 - INLET MISC.: BARRIER WINDOW OPENING, JERSEY SHAPE, TYPE D
- 15 ITEM 304 - 19.25" AGGREGATE BASE
- 16 ITEM 441 - 1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, 449 (DRIVEWAYS)
- 17 ITEM 441 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22, 449 (DRIVEWAYS)
- 18 ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN
- 19 ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
- 20 ITEM 605 - 4" BASE PIPE UNDERDRAIN
- 21 ITEM 609 - CURB, TYPE 6
- 22 ITEM 609 - CURB, TYPE 9
- 23 ITEM 609 - CURB, TYPE 4-A
- 24 ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- 25 ITEM 659 - SEEDING AND MULCHING
- 26 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH VARIES: 3¼" - 5")
- 27 ITEM 606 - GUARDRAIL, TYPE MGS
- 28 ITEM 302 - 4" ASPHALT CONCRETE BASE, PG64-22, 449
- 29 ITEM 302 - 5" ASPHALT CONCRETE BASE, PG64-22, 449, (DRIVEWAYS)
- 30 ITEM 690 SPECIAL - BLACK STONE MULCH, (12" DEPTH)
- 31 ITEM 204 - SUBGRADE COMPACTION
- 32 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1½"

<p><b>A</b> 12.0' VARIES: 12.0' TO 16.8'</p> <p><b>B</b> VARIES: 4.9' TO 2.0' 2.0' VARIES: 2.0' TO 3.2'</p> <p><b>C</b> VARIES: 0.0' TO 40.9'</p> <p><b>D</b> VARIES: 0.0' TO 22.3'</p> <p><b>E</b> VARIES: 0.0' TO 3.5' VARIES: 3.5' TO 3.4'</p> <p><b>F</b> VARIES: 3.4' TO 18.6' VARIES: 7.1' TO 2.0' 2.0' VARIES: 2.0' TO 3.1'</p> <p><b>G</b> 12.0' VARIES: 12.0' TO 18.4'</p>	<p>FROM STA. 414+42.92 TO STA. 414+56.90 FROM STA. 414+56.90 TO STA. 416+47.21</p> <p>FROM STA. 414+42.92 TO STA. 414+46.32 FROM STA. 414+46.32 TO STA. 415+83.54 FROM STA. 415+83.54 TO STA. 416+47.21</p> <p>FROM STA. 414+42.92 TO STA. 416+47.21 FROM STA. 414+42.92 TO STA. 416+47.21 FROM STA. 414+42.92 TO STA. 414+46.51 FROM STA. 414+46.51 TO STA. 414+66.81 FROM STA. 414+66.81 TO STA. 416+47.21 FROM STA. 414+42.92 TO STA. 416+96.11 FROM STA. 414+96.11 TO STA. 415+95.84 FROM STA. 415+95.84 TO STA. 416+47.21 FROM STA. 414+42.92 TO STA. 415+84.61</p>	<p><b>H</b> VARIES: 2.0' TO 1.0'</p> <p><b>I</b> VARIES: 2.0' TO 6.0' 6.0'</p> <p><b>J</b> VARIES: 2.3' TO 2.5' 2.5'</p> <p><b>K</b> VARIES: 2.0' TO 1.0' 1.0'</p>	<p>FROM STA. 415+06.52 TO STA. 415+11.37 FROM STA. 415+11.37 TO STA. 416+47.21</p> <p>FROM STA. 415+06.52 TO STA. 415+35.84 FROM STA. 415+35.84 TO STA. 416+47.21</p> <p>FROM STA. 416+33.09 TO STA. 416+37.22 FROM STA. 416+37.22 TO STA. 416+47.21 FROM STA. 416+33.09 TO STA. 416+38.24 FROM STA. 416+38.24 TO STA. 416+47.21</p>
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▽ FOR EDGE COURSE DETAILS, SEE SHEET P.020



TYPICAL SECTIONS - US-33 (ROUNDABOUT WEST LEG)

DESIGN AGENCY	
<b>TRANSYSTEMS</b> 400 W. NATIONWIDE BLVD., STE 225 COLUMBUS, OHIO 43215	
DESIGNER	NE
REVIEWER	GHM 01/29/26
PROJECT ID	118055
SHEET TOTAL	P.014 298

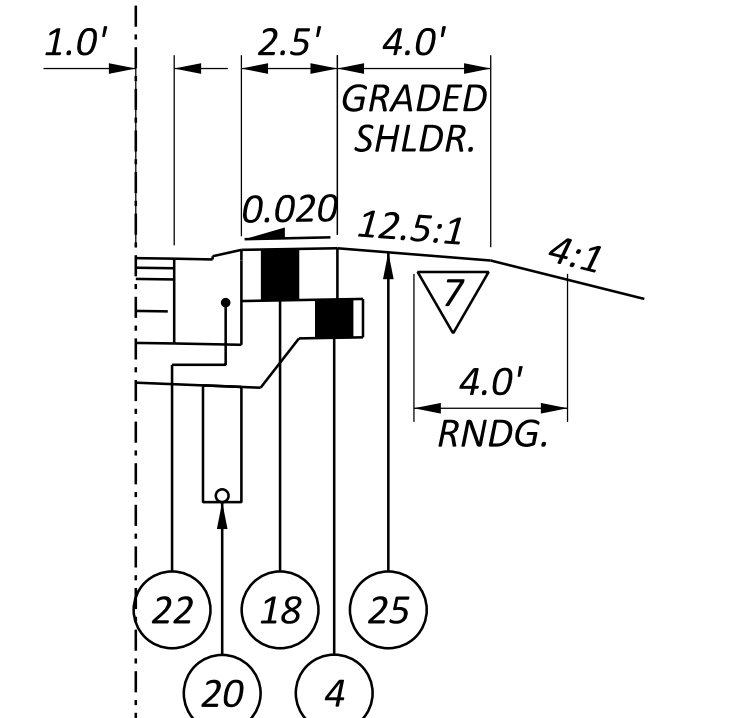
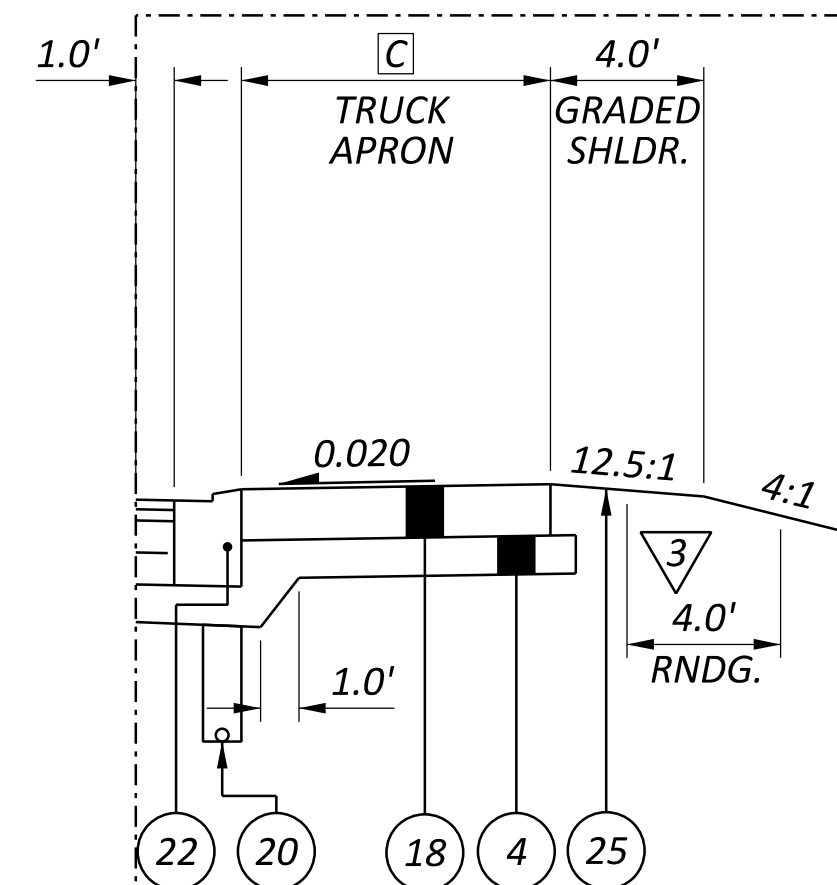
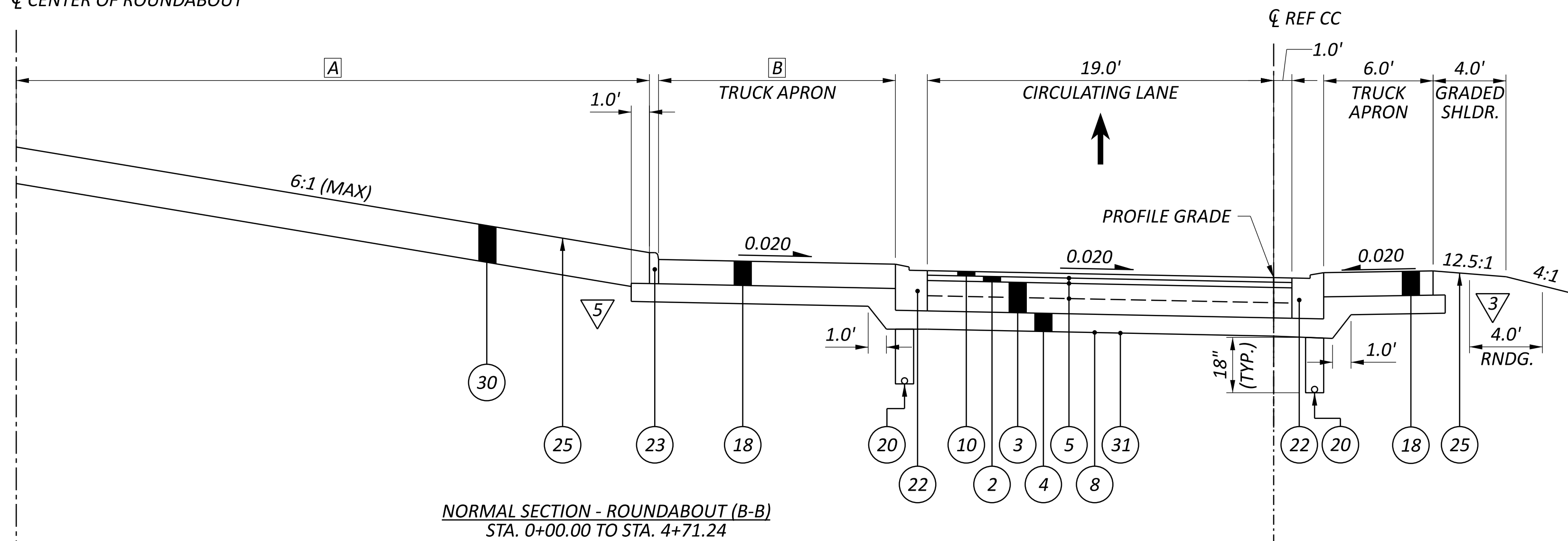
**LEGEND:**

- 1 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), PG70-22M
- 2 ITEM 442 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (448), PG64-28
- 3 ITEM 302 - 10" ASPHALT CONCRETE BASE (PLACED IN TWO EQUAL LIFTS), PG64-22, (449)
- 4 ITEM 304 - 6" AGGREGATE BASE
- 5 ITEM 407 - NON-TRACKING TACK COAT (RATE AS PER C&MS TABLE 407.06-1)
- 6 ITEM 204 - 12" EXCAVATION OF SUBGRADE
- 7 ITEM 204 - 12" GRANULAR MATERIAL, TYPE B
- 8 ITEM 204 - PROOF ROLLING
- 9 ITEM 204 - GEOTEXTILE FABRIC
- 10 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), AS PER PLAN, PG76-22M
- 11 ITEM 302 - 8" ASPHALT CONCRETE BASE (PLACED IN TWO EQUAL LIFTS), PG64-22, (449)
- 12 ITEM 304 - 8" AGGREGATE BASE
- 13 NOT USED
- 14 ITEM 611 - INLET MISC.: BARRIER WINDOW OPENING, JERSEY SHAPE, TYPE D
- 15 ITEM 304 - 19.25" AGGREGATE BASE
- 16 ITEM 441 - 1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, 449 (DRIVEWAYS)
- 17 ITEM 441 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22, 449 (DRIVEWAYS)
- 18 ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN
- 19 ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
- 20 ITEM 605 - 4" BASE PIPE UNDERDRAIN
- 21 ITEM 609 - CURB, TYPE 6
- 22 ITEM 609 - CURB, TYPE 9
- 23 ITEM 609 - CURB, TYPE 4-A
- 24 ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- 25 ITEM 659 - SEEDING AND MULCHING
- 26 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH VARIES: 3¼" - 5")
- 27 ITEM 606 - GUARDRAIL, TYPE MGS
- 28 ITEM 302 - 4" ASPHALT CONCRETE BASE, PG64-22, 449
- 29 ITEM 302 - 5" ASPHALT CONCRETE BASE, PG64-22, 449, (DRIVEWAYS)
- 30 ITEM 690 SPECIAL - BLACK STONE MULCH, (12" DEPTH)
- 31 ITEM 204 - SUBGRADE COMPACTION
- 32 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1½"

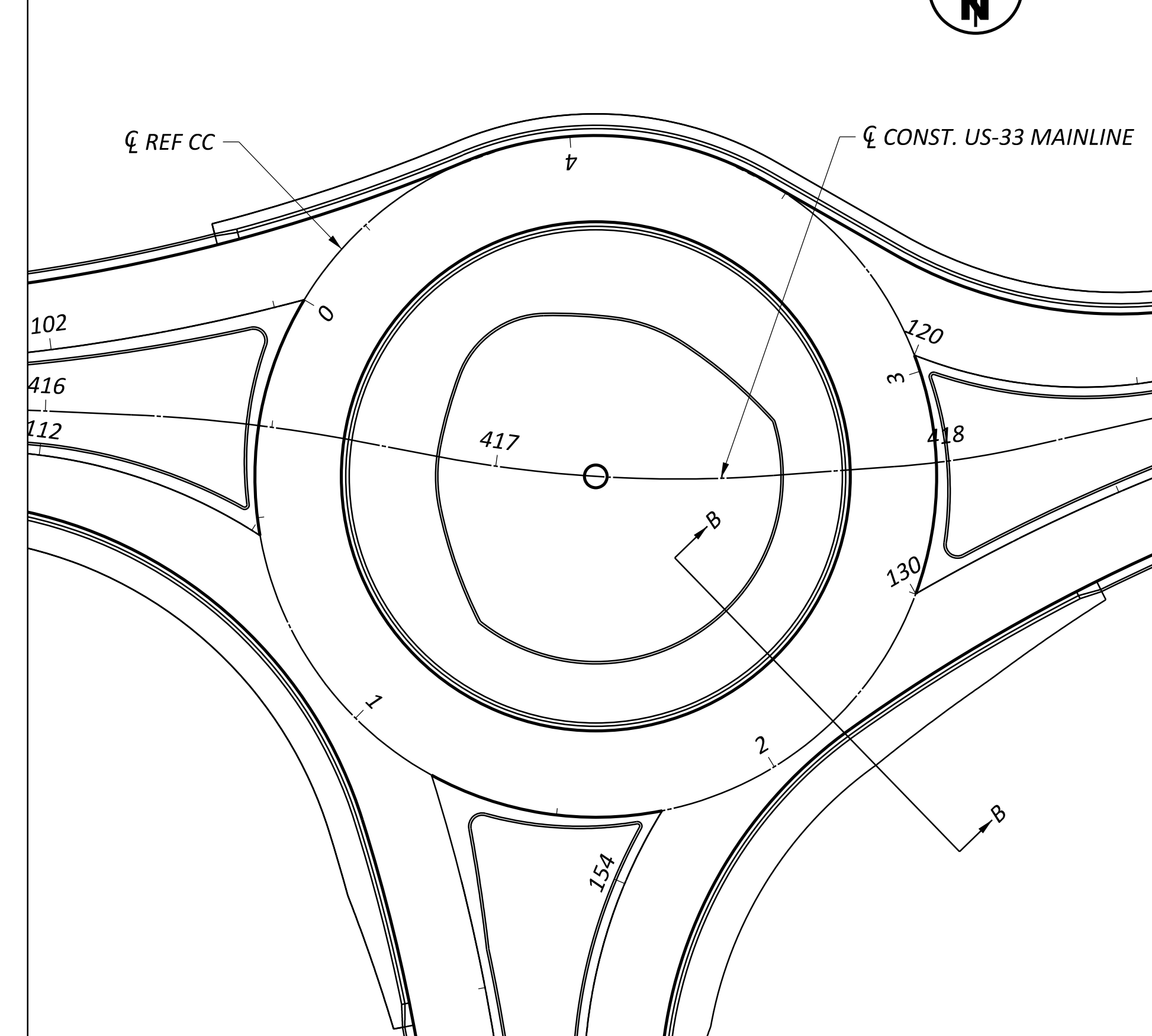
A	VARIES: 36.2' TO 34.8'	FROM STA. 0+00.00 TO STA. 0+56.13
	VARIES: 34.8' TO 40.7'	FROM STA. 0+56.13 TO STA. 1+08.31
	40.7'	FROM STA. 1+08.31 TO STA. 2+98.98
	VARIES: 40.7' TO 34.8'	FROM STA. 2+98.98 TO STA. 3+51.16
B	VARIES: 34.8' TO 38.9'	FROM STA. 3+51.16 TO STA. 4+40.79
	VARIES: 38.9' TO 36.2'	FROM STA. 4+40.79 TO STA. 4+71.24
	VARIES: 17.6' TO 19.0'	FROM STA. 0+00.00 TO STA. 0+25.89
	19.0'	FROM STA. 0+25.89 TO STA. 0+56.13
	VARIES: 19.0' TO 13.0'	FROM STA. 0+56.13 TO STA. 1+08.11
	13.0'	FROM STA. 1+08.11 TO STA. 2+99.18
	VARIES: 13.0' TO 19.0'	FROM STA. 2+99.18 TO STA. 3+51.16
	19.0'	FROM STA. 3+51.16 TO STA. 3+84.34
C	VARIES: 19.0' TO 14.9'	FROM STA. 3+84.34 TO STA. 4+40.79
	VARIES: 14.9' TO 17.6'	FROM STA. 4+40.79 TO STA. 4+71.24
	8.0'	FROM STA. 1+86.88 TO STA. 2+16.55
	VARIES: 8.0' TO 6.7'	FROM STA. 2+16.55 TO STA. 2+35.46

▽ FOR EDGE COURSE DETAILS, SEE SHEET P.020

☉ CENTER OF ROUNDABOUT



SECTION LOCATION MAP  
 NO SCALE



DESIGN AGENCY

**TRANSYSYSTEMS**  
 400 W. NATIONWIDE BLVD., STE 225  
 COLUMBUS, OHIO 43215

DESIGNER

NE

REVIEWER

GHM 01/29/26

PROJECT ID

118055

SHEET TOTAL

P.015 | 298

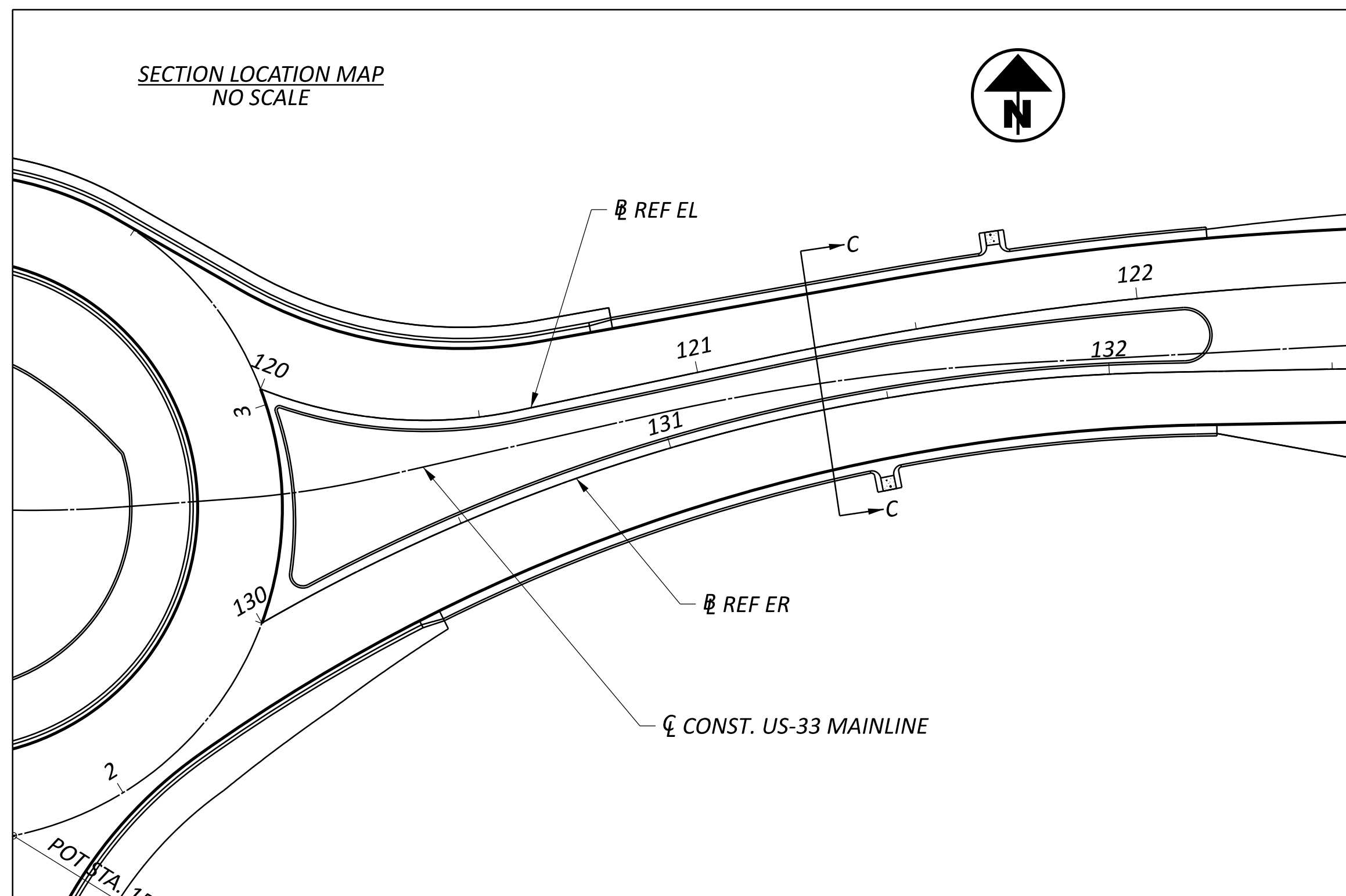
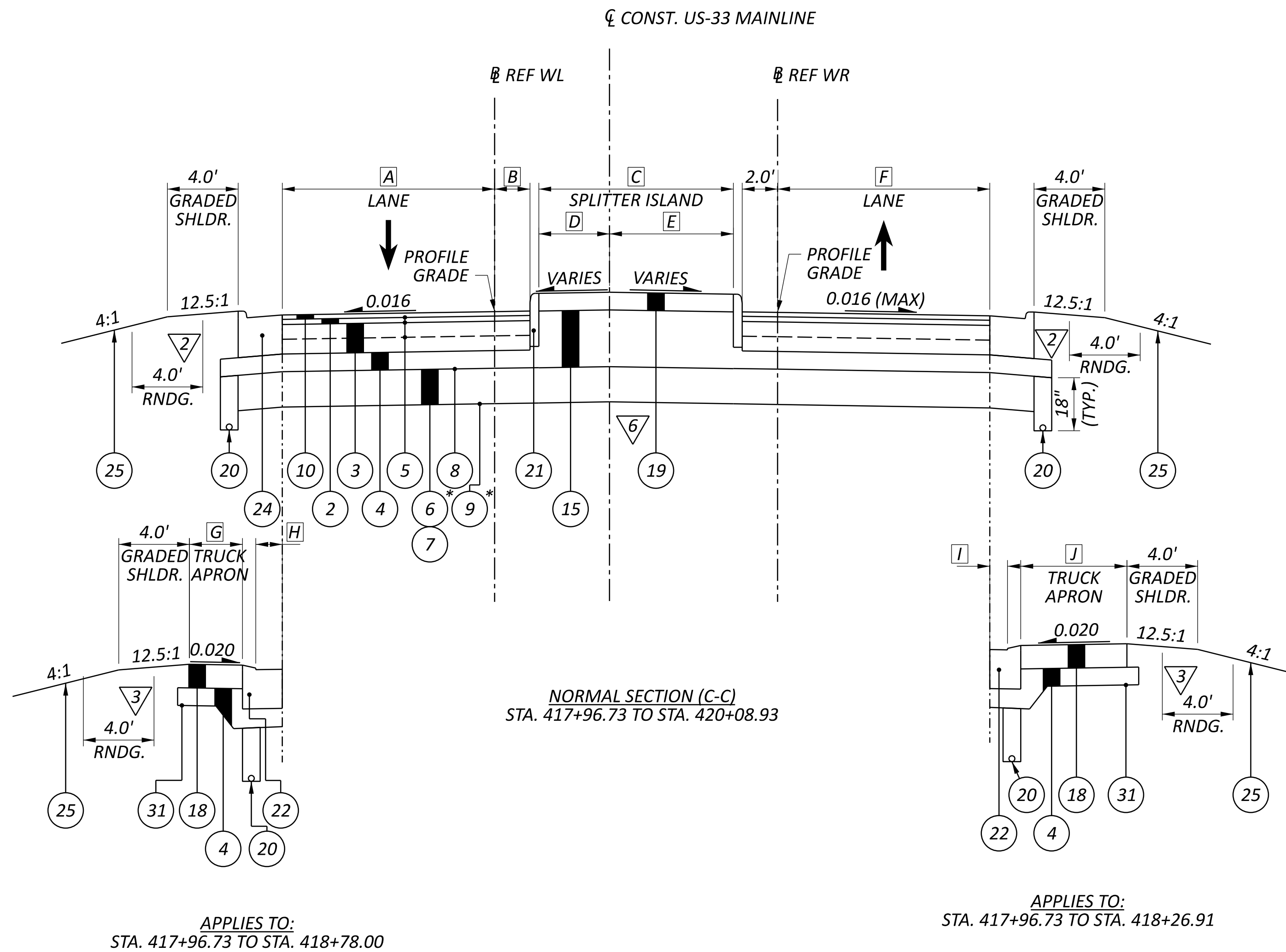
LEGEND:

- 1 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), PG70-22M
- 2 ITEM 442 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (448), PG64-28
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- 4 ITEM 304 - 6" AGGREGATE BASE
- 5 ITEM 407 - NON-TRACKING TACK COAT (RATE AS PER C&MS TABLE 407.06-1)
- 6 ITEM 204 - 12" EXCAVATION OF SUBGRADE
- 7 ITEM 204 - 12" GRANULAR MATERIAL, TYPE B
- 8 ITEM 204 - PROOF ROLLING
- 9 ITEM 204 - GEOTEXTILE FABRIC
- 10 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), AS PER PLAN, PG76-22M
- 11 ITEM 302 - 8" ASPHALT CONCRETE BASE (PLACED IN TWO EQUAL LIFTS), PG64-22, (449)
- 12 ITEM 304 - 8" AGGREGATE BASE
- 13 NOT USED
- 14 ITEM 611 - INLET MISC.: BARRIER WINDOW OPENING, JERSEY SHAPE, TYPE D
- 15 ITEM 304 - 19.25" AGGREGATE BASE
- 16 ITEM 441 - 1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, 449 (DRIVEWAYS)
- 17 ITEM 441 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22, 449 (DRIVEWAYS)
- 18 ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN
- 19 ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
- 20 ITEM 605 - 4" BASE PIPE UNDERDRAIN
- 21 ITEM 609 - CURB, TYPE 6
- 22 ITEM 609 - CURB, TYPE 9
- 23 ITEM 609 - CURB, TYPE 4-A
- 24 ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- 25 ITEM 659 - SEEDING AND MULCHING
- 26 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH VARIES: 3¼" - 5")
- 27 ITEM 606 - GUARDRAIL, TYPE MGS
- 28 ITEM 302 - 4" ASPHALT CONCRETE BASE, PG64-22, 449
- 29 ITEM 302 - 5" ASPHALT CONCRETE BASE, PG64-22, 449, (DRIVEWAYS)
- 30 ITEM 690 SPECIAL - BLACK STONE MULCH, (12" DEPTH)
- 31 ITEM 204 - SUBGRADE COMPACTION
- 32 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1½"

<p><b>A</b> VARIES: 18.1' TO 12.0' 12.0'</p> <p><b>B</b> 2.0'</p> <p><b>C</b> VARIES: 2.0' TO 3.0' VARIES: 42.7' TO 9.0' VARIES: 9.0' TO 11.5' VARIES: 11.5' TO 0.0'</p> <p><b>D</b> VARIES: 20.9' TO 4.7' VARIES: 4.7' TO 10.0' VARIES: 10.0' TO 0.0'</p> <p><b>E</b> VARIES: 22.3' TO 1.3' VARIES: 1.3' TO 1.4' VARIES: 1.4' TO 0.0'</p> <p><b>F</b> VARIES: 16.9' TO 12.0' 12.0'</p>	<p><b>G</b> 2.5'</p> <p><b>H</b> 1.0'</p> <p><b>I</b> VARIES: 1.0' TO 2.0' 1.0'</p> <p><b>J</b> VARIES: 1.0' TO 2.0' 6.5' TO 2.0'</p>	<p>FROM STA. 417+96.73 TO STA. 419+36.74 FROM STA. 419+36.74 TO STA. 420+08.93</p> <p>FROM STA. 417+96.13 TO STA. 419+10.77 FROM STA. 419+10.77 TO STA. 420+08.93 FROM STA. 417+96.73 TO STA. 419+23.29 FROM STA. 419+23.29 TO STA. 420+02.56 FROM STA. 420+02.56 TO STA. 420+08.93 FROM STA. 417+96.73 TO STA. 418+82.03 FROM STA. 418+82.03 TO STA. 420+02.56 FROM STA. 420+02.56 TO STA. 420+08.93</p> <p>FROM STA. 417+96.73 TO STA. 419+97.50 FROM STA. 419+97.50 TO STA. 420+02.56 FROM STA. 420+02.56 TO STA. 420+08.93 FROM STA. 417+96.73 TO STA. 419+99.24 FROM STA. 419+99.24 TO STA. 420+08.93</p>
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6 7 9 \* STA. 419+00.00 TO STA. 421+00.00

▽ FOR EDGE COURSE DETAILS, SEE SHEET P.020



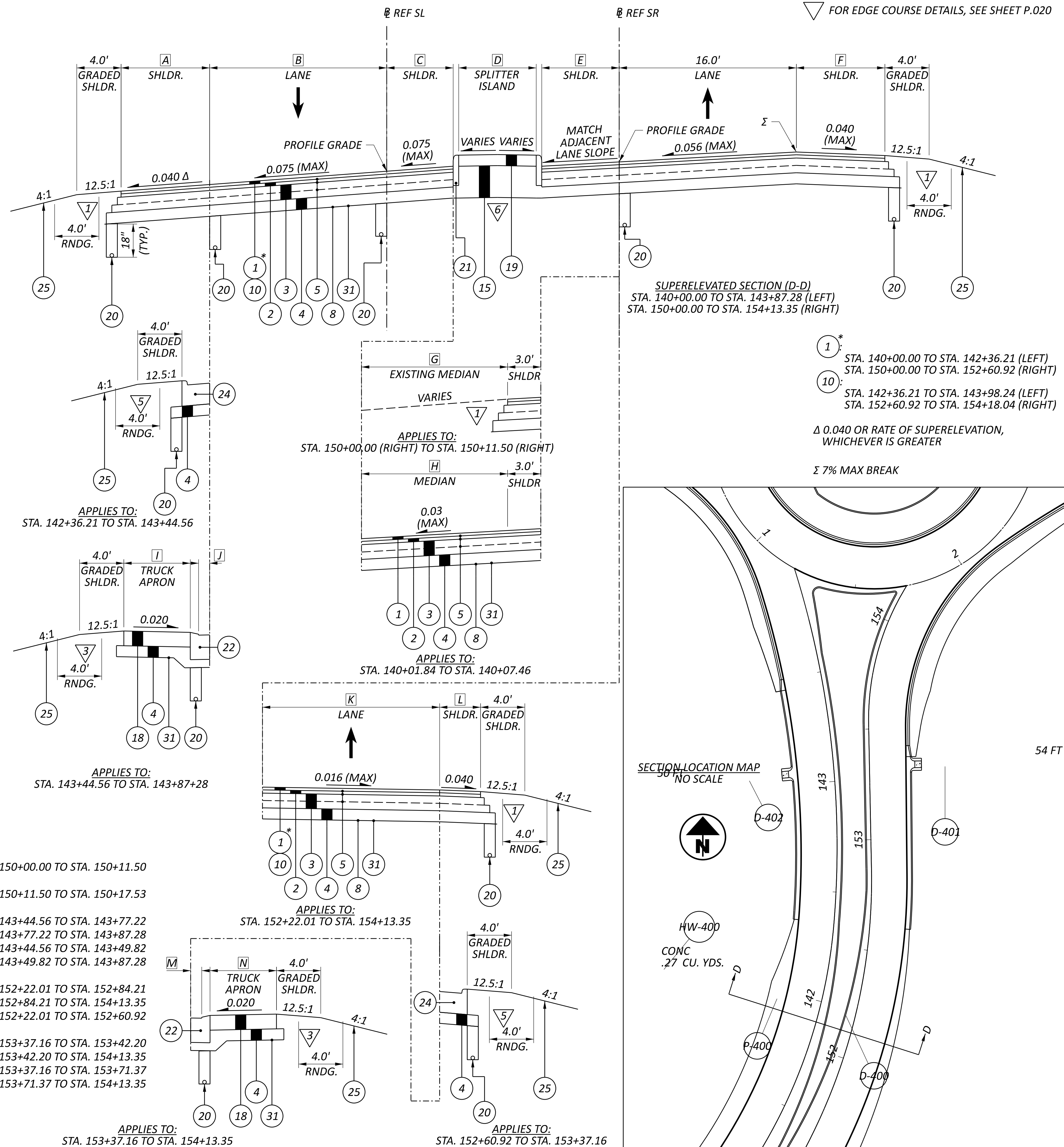
TYPICAL SECTIONS - US-33 (ROUNDAABOUT EAST LEG)

DESIGN AGENCY	
TRANSYSTEMS 400 W. NATIONWIDE BLVD., STE 225 COLUMBUS, OHIO 43215	
DESIGNER	NE
REVIEWER	GHM 01/29/26
PROJECT ID	118055
SHEET	TOTAL
P.016	298

LEGEND:

- 1 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), PG70-22M
- 2 ITEM 442 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (448), PG64-28
- 3 ITEM 302 - 10" ASPHALT CONCRETE BASE (PLACED IN TWO EQUAL LIFTS), PG64-22, (449)
- 4 ITEM 304 - 6" AGGREGATE BASE
- 5 ITEM 407 - NON-TRACKING TACK COAT (RATE AS PER C&MS TABLE 407.06-1)
- 6 ITEM 204 - 12" EXCAVATION OF SUBGRADE
- 7 ITEM 204 - 12" GRANULAR MATERIAL, TYPE B
- 8 ITEM 204 - PROOF ROLLING
- 9 ITEM 204 - GEOTEXTILE FABRIC
- 10 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), AS PER PLAN, PG76-22M
- 11 ITEM 302 - 8" ASPHALT CONCRETE BASE (PLACED IN TWO EQUAL LIFTS), PG64-22, (449)
- 12 ITEM 304 - 8" AGGREGATE BASE
- 13 NOT USED
- 14 ITEM 611 - INLET MISC.: BARRIER WINDOW OPENING, JERSEY SHAPE, TYPE D
- 15 ITEM 304 - 19.25" AGGREGATE BASE
- 16 ITEM 441 - 1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, 449 (DRIVEWAYS)
- 17 ITEM 441 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22, 449 (DRIVEWAYS)
- 18 ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN
- 19 ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
- 20 ITEM 605 - 4" BASE PIPE UNDERDRAIN
- 21 ITEM 609 - CURB, TYPE 6
- 22 ITEM 609 - CURB, TYPE 9
- 23 ITEM 609 - CURB, TYPE 4-A
- 24 ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- 25 ITEM 659 - SEEDING AND MULCHING
- 26 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH VARIES: 3¼" - 5")
- 27 ITEM 606 - GUARDRAIL, TYPE MGS
- 28 ITEM 302 - 4" ASPHALT CONCRETE BASE, PG64-22, 449
- 29 ITEM 302 - 5" ASPHALT CONCRETE BASE, PG64-22, 449, (DRIVEWAYS)
- 30 ITEM 690 SPECIAL - BLACK STONE MULCH, (12" DEPTH)
- 31 ITEM 204 - SUBGRADE COMPACTION
- 32 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1½"

<p><b>A</b> VARIES: ±7.5' TO 8.0' 8.0'</p> <p><b>B</b> VARIES: 8.0' TO 2.0' 16.0'</p> <p><b>C</b> VARIES: ±8.1' TO 2.0' 2.0'</p> <p><b>D</b> VARIES: 2.0' TO 4.8' 7.2' TO 3.0'</p> <p><b>E</b> VARIES: 3.0' TO 11.0' 11.0' TO 10.3' 10.3' TO 38.5' 7.0'</p> <p><b>F</b> VARIES: ±9.1' TO 8.0' 8.0'</p>	<p>FROM STA. 140+00.00 TO STA. 140+13.50</p> <p>FROM STA. 140+13.50 TO STA. 142+04.04</p> <p>FROM STA. 142+04.04 TO STA. 142+36.21</p> <p>FROM STA. 140+00.00 TO STA. 142+36.21</p> <p>FROM STA. 142+36.21 TO STA. 143+58.21</p> <p>FROM STA. 143+58.21 TO STA. 143+87.28</p> <p>FROM STA. 140+07.46 TO STA. 140+49.96</p> <p>FROM STA. 140+49.96 TO STA. 141+34.04</p> <p>FROM STA. 141+34.04 TO STA. 142+51.38</p> <p>FROM STA. 142+51.38 TO STA. 142+79.06</p> <p>FROM STA. 142+79.06 TO STA. 143+87.28</p> <p>FROM STA. 150+13.37 TO STA. 151+52.09</p> <p>FROM STA. 151+52.09 TO STA. 152+84.21</p> <p>FROM STA. 152+84.21 TO STA. 154+13.35</p> <p>FROM STA. 150+00.00 TO STA. 150+26.14</p> <p>FROM STA. 150+26.14 TO STA. 151+19.61</p> <p>FROM STA. 151+19.61 TO STA. 152+22.01</p>	<p><b>G</b> VARIES: 15.2' TO 13.2'</p> <p><b>H</b> VARIES: 13.2' TO 12.8'</p> <p><b>I</b> VARIES: 2.0' TO 6.0'</p> <p><b>J</b> VARIES: 2.0' TO 1.0'</p> <p><b>K</b> 16.0'</p> <p><b>L</b> VARIES: 16.0' TO 17.9'</p> <p><b>M</b> VARIES: 2.0' TO 1.0'</p> <p><b>N</b> VARIES: 2.0' TO 8.0'</p>	<p>FROM STA. 150+00.00 TO STA. 150+11.50</p> <p>FROM STA. 150+11.50 TO STA. 150+17.53</p> <p>FROM STA. 143+44.56 TO STA. 143+77.22</p> <p>FROM STA. 143+77.22 TO STA. 143+87.28</p> <p>FROM STA. 143+44.56 TO STA. 143+49.82</p> <p>FROM STA. 143+49.82 TO STA. 143+87.28</p> <p>FROM STA. 152+22.01 TO STA. 152+84.21</p> <p>FROM STA. 152+84.21 TO STA. 154+13.35</p> <p>FROM STA. 152+22.01 TO STA. 152+60.92</p> <p>FROM STA. 153+37.16 TO STA. 153+42.20</p> <p>FROM STA. 153+42.20 TO STA. 154+13.35</p> <p>FROM STA. 153+37.16 TO STA. 153+71.37</p> <p>FROM STA. 153+71.37 TO STA. 154+13.35</p>
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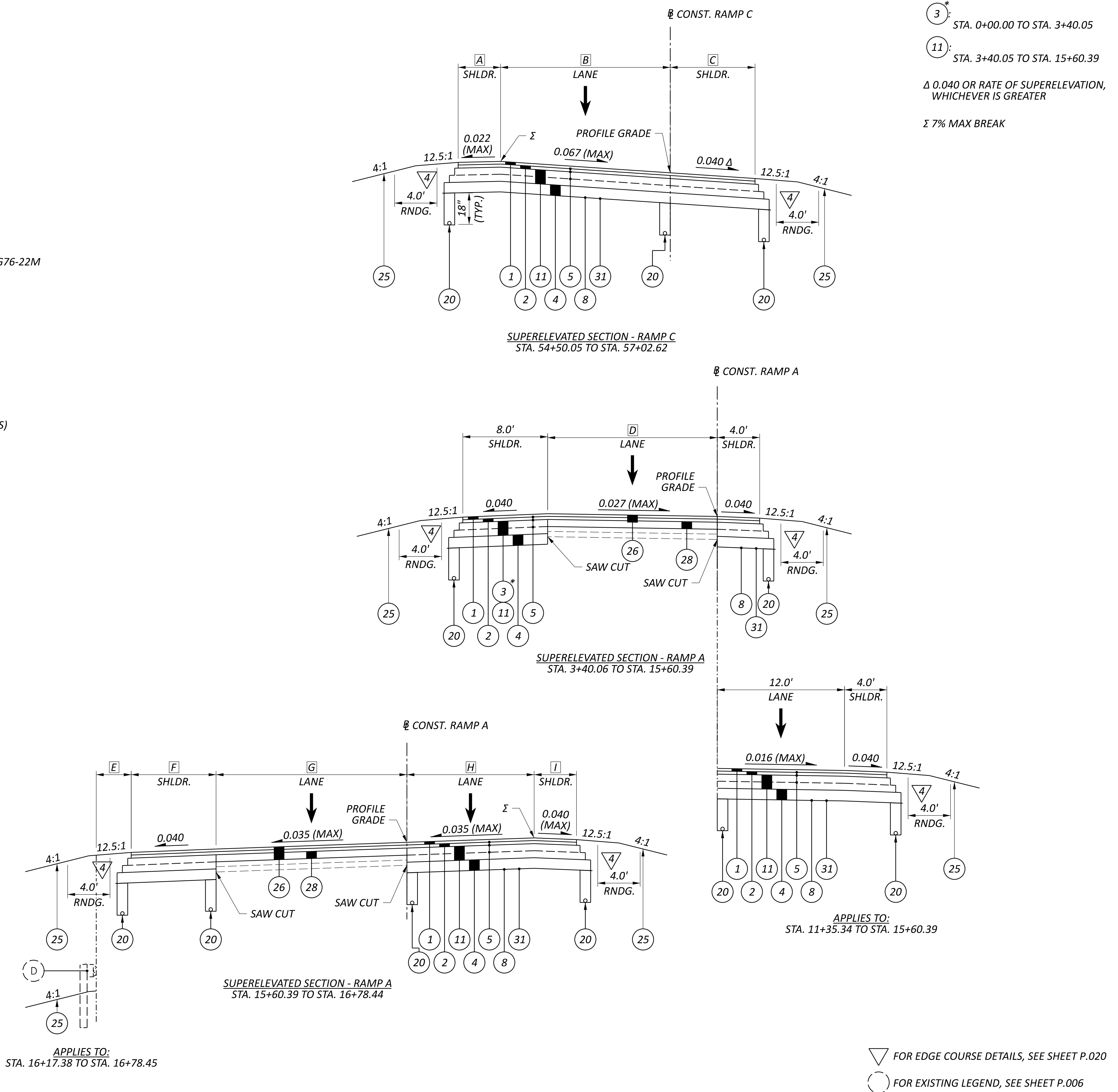
TYPICAL SECTIONS - REF SL/SR (ROUNDBOUT SOUTH LEG)

DESIGN AGENCY	
TRANSYSTEMS 400 W. NATIONWIDE BLDG., STE 225 COLUMBUS, OHIO 43215	
DESIGNER	
NE	
REVIEWER	
GHM 01/29/26	
PROJECT ID	
118055	
SHEET	TOTAL
P.017	298

**LEGEND:**

- 1 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), PG70-22M
- 2 ITEM 442 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (448), PG64-28
- 3 ITEM 302 - 10" ASPHALT CONCRETE BASE (PLACED IN TWO EQUAL LIFTS), PG64-22, (449)
- 4 ITEM 304 - 6" AGGREGATE BASE
- 5 ITEM 407 - NON-TRACKING TACK COAT (RATE AS PER C&MS TABLE 407.06-1)
- 6 ITEM 204 - 12" EXCAVATION OF SUBGRADE
- 7 ITEM 204 - 12" GRANULAR MATERIAL, TYPE B
- 8 ITEM 204 - PROOF ROLLING
- 9 ITEM 204 - GEOTEXTILE FABRIC
- 10 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), AS PER PLAN, PG76-22M
- 11 ITEM 302 - 8" ASPHALT CONCRETE BASE (PLACED IN TWO EQUAL LIFTS), PG64-22, (449)
- 12 ITEM 304 - 8" AGGREGATE BASE
- 13 NOT USED
- 14 ITEM 611 - INLET MISC.: BARRIER WINDOW OPENING, JERSEY SHAPE, TYPE D
- 15 ITEM 304 - 19.25" AGGREGATE BASE
- 16 ITEM 441 - 1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, 449 (DRIVEWAYS)
- 17 ITEM 441 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22, 449 (DRIVEWAYS)
- 18 ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN
- 19 ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
- 20 ITEM 605 - 4" BASE PIPE UNDERDRAIN
- 21 ITEM 609 - CURB, TYPE 6
- 22 ITEM 609 - CURB, TYPE 9
- 23 ITEM 609 - CURB, TYPE 4-A
- 24 ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- 25 ITEM 659 - SEEDING AND MULCHING
- 26 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH VARIES: 3¼" - 5")
- 27 ITEM 606 - GUARDRAIL, TYPE MGS
- 28 ITEM 302 - 4" ASPHALT CONCRETE BASE, PG64-22, 449
- 29 ITEM 302 - 5" ASPHALT CONCRETE BASE, PG64-22, 449, (DRIVEWAYS)
- 30 ITEM 690 SPECIAL - BLACK STONE MULCH, (12" DEPTH)
- 31 ITEM 204 - SUBGRADE COMPACTION
- 32 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1½"

- |  |   |
|--|---|
| <p><b>A</b> 4.0'<br/>VARIES: 4.0' TO ±2.8'</p> <p><b>B</b> 16.0'<br/>VARIES: 16.0' TO ±16.9'</p> <p><b>C</b> 8.0'<br/>VARIES: 8.0 TO ±7.4'</p> <p><b>D</b> 12.0'<br/>VARIES: 12.0' TO 16.0'<br/>16.0'</p> <p><b>E</b> VARIES: ±3.3' TO ±2.1'</p> <p><b>F</b> VARIES: 8.0' TO ±7.7'</p> <p><b>G</b> VARIES: 16.0' TO ±18.0'</p> <p><b>H</b> 12.0'<br/>VARIES: 12.0' TO 0.0'</p> <p><b>I</b> 0.0'<br/>0.0'<br/>4.0'<br/>VARIES: 4.0' TO ±11.4'</p> | <p>FROM STA. 54+50.05 TO STA. 56+92.62<br/>FROM STA. 56+92.62 TO STA. 57+02.62</p> <p>FROM STA. 54+50.05 TO STA. 56+92.62<br/>FROM STA. 56+92.62 TO STA. 57+02.62</p> <p>FROM STA. 54+50.05 TO STA. 56+92.62<br/>FROM STA. 56+92.62 TO STA. 57+02.62</p> <p>FROM STA. 3+40.06 TO STA. 11+10.00<br/>FROM STA. 11+10.00 TO STA. 13+50.06<br/>FROM STA. 13+50.06 TO STA. 15+60.39</p> <p>FROM STA. 16+17.38 TO STA. 16+78.45<br/>FROM STA. 15+60.39 TO STA. 16+78.45<br/>FROM STA. 15+60.39 TO STA. 15+71.98<br/>FROM STA. 15+71.98 TO STA. 16+72.11<br/>FROM STA. 16+72.11 TO STA. 16+78.45<br/>FROM STA. 15+60.39 TO STA. 15+71.98<br/>FROM STA. 15+71.98 TO STA. 16+78.45</p> |
|--|---|



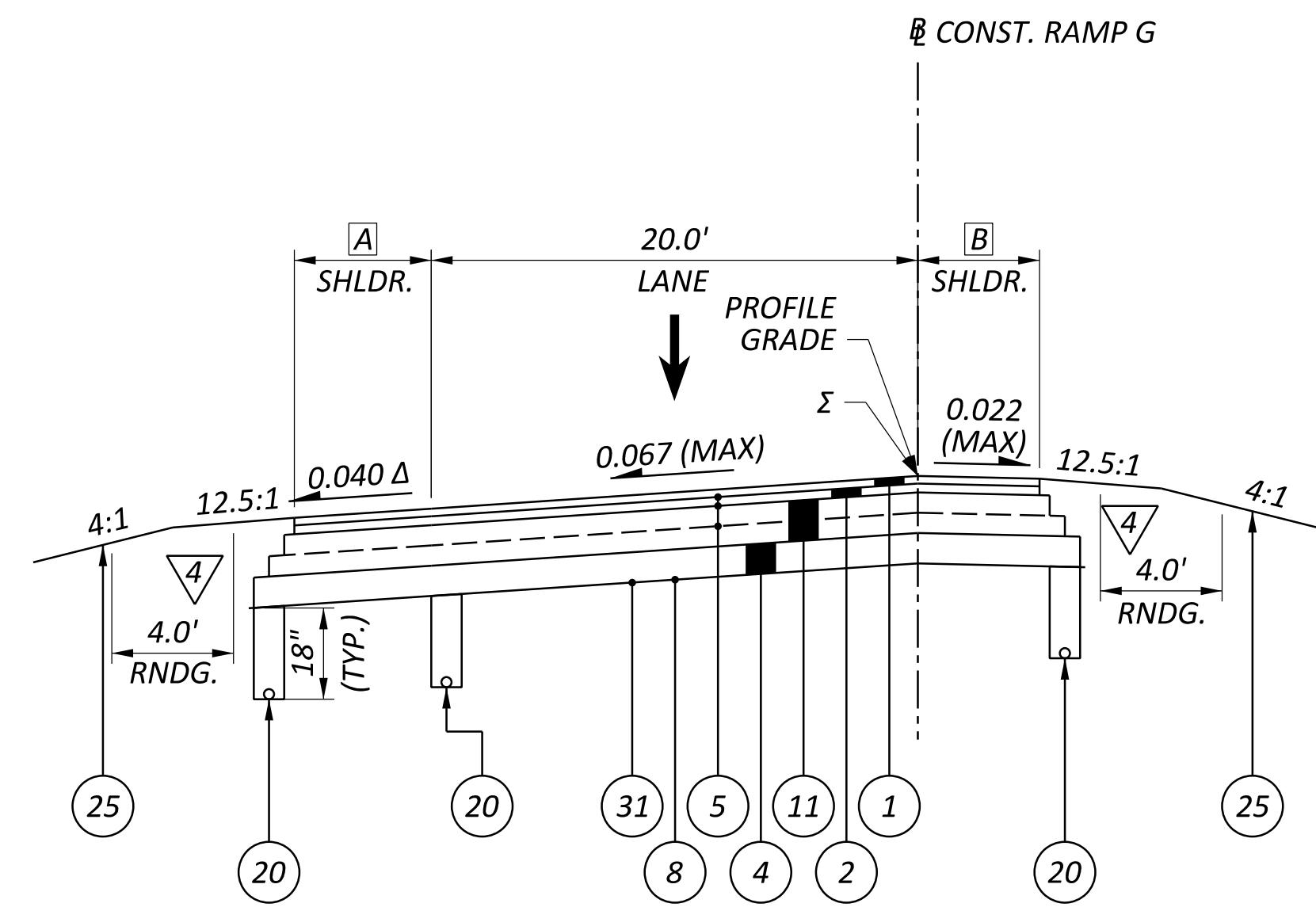
**LEGEND:**

- 1 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), PG70-22M
- 2 ITEM 442 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (448), PG64-28
- 3 ITEM 302 - 10" ASPHALT CONCRETE BASE (PLACED IN TWO EQUAL LIFTS), PG64-22, (449)
- 4 ITEM 304 - 6" AGGREGATE BASE
- 5 ITEM 407 - NON-TRACKING TACK COAT (RATE AS PER C&MS TABLE 407.06-1)
- 6 ITEM 204 - 12" EXCAVATION OF SUBGRADE
- 7 ITEM 204 - 12" GRANULAR MATERIAL, TYPE B
- 8 ITEM 204 - PROOF ROLLING
- 9 ITEM 204 - GEOTEXTILE FABRIC
- 10 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), AS PER PLAN, PG76-22M
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- 12 ITEM 304 - 8" AGGREGATE BASE
- 13 NOT USED
- 14 ITEM 611 - INLET MISC.: BARRIER WINDOW OPENING, JERSEY SHAPE, TYPE D
- 15 ITEM 304 - 19.25" AGGREGATE BASE
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- 20 ITEM 605 - 4" BASE PIPE UNDERDRAIN
- 21 ITEM 609 - CURB, TYPE 6
- 22 ITEM 609 - CURB, TYPE 9
- 23 ITEM 609 - CURB, TYPE 4-A
- 24 ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- 25 ITEM 659 - SEEDING AND MULCHING
- 26 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH VARIES: 3¼" - 5")
- 27 ITEM 606 - GUARDRAIL, TYPE MGS
- 28 ITEM 302 - 4" ASPHALT CONCRETE BASE, PG64-22, 449
- 29 ITEM 302 - 5" ASPHALT CONCRETE BASE, PG64-22, 449, (DRIVEWAYS)
- 30 ITEM 690 SPECIAL - BLACK STONE MULCH, (12" DEPTH)
- 31 ITEM 204 - SUBGRADE COMPACTION
- 32 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1½"

Δ 0.040 OR RATE OF SUPERELEVATION,  
WHICHEVER IS GREATER

Σ 7% MAX BREAK

▽ FOR EDGE COURSE DETAILS, SEE SHEET P.020

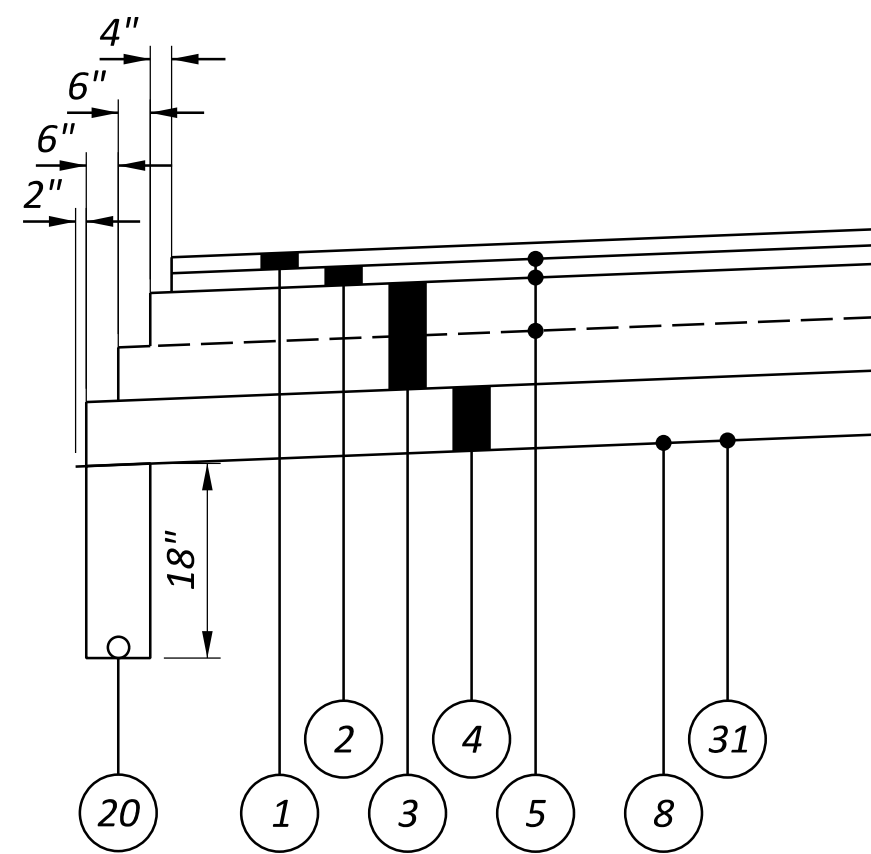


**SUPERELEVATED SECTION - RAMP G**  
STA. 2+43.36 TO STA. 3+39.28

A	4.0' VARIES: 4.0' TO ±5.0'	FROM STA. 2+43.36 TO STA. 3+34.28 FROM STA. 3+34.28 TO STA. 3+39.28
B	5.3' VARIES: 5.3' TO ±4.4'	FROM STA. 2+43.36 TO STA. 3+16.31 FROM STA. 3+16.31 TO STA. 3+39.28

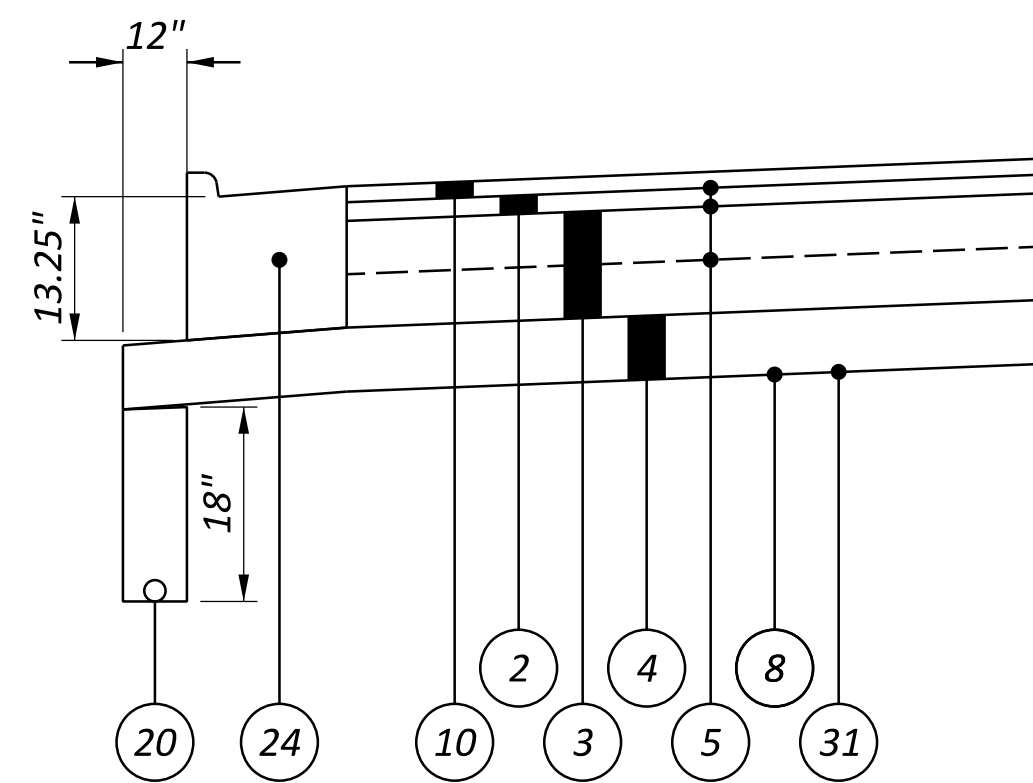
**LEGEND:**

- 1 ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), PG70-22M
- 2 ITEM 442 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (448), PG64-28
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- 8 ITEM 204 - PROOF ROLLING
- 9 ITEM 204 - GEOTEXTILE FABRIC
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- 12 ITEM 304 - 8" AGGREGATE BASE
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- 14 ITEM 611 - INLET MISC.: BARRIER WINDOW OPENING, JERSEY SHAPE, TYPE D
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- 17 ITEM 441 - 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22, 449 (DRIVEWAYS)
- 18 ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN
- 19 ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
- 20 ITEM 605 - 4" BASE PIPE UNDERDRAIN
- 21 ITEM 609 - CURB, TYPE 6
- 22 ITEM 609 - CURB, TYPE 9
- 23 ITEM 609 - CURB, TYPE 4-A
- 24 ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- 25 ITEM 659 - SEEDING AND MULCHING
- 26 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH VARIES: 3¼" - 5")
- 27 ITEM 606 - GUARDRAIL, TYPE MGS
- 28 ITEM 302 - 4" ASPHALT CONCRETE BASE, PG64-22, 449
- 29 ITEM 302 - 5" ASPHALT CONCRETE BASE, PG64-22, 449, (DRIVEWAYS)
- 30 ITEM 690 SPECIAL - BLACK STONE MULCH, (12" DEPTH)
- 31 ITEM 204 - SUBGRADE COMPACTION
- 32 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1½"



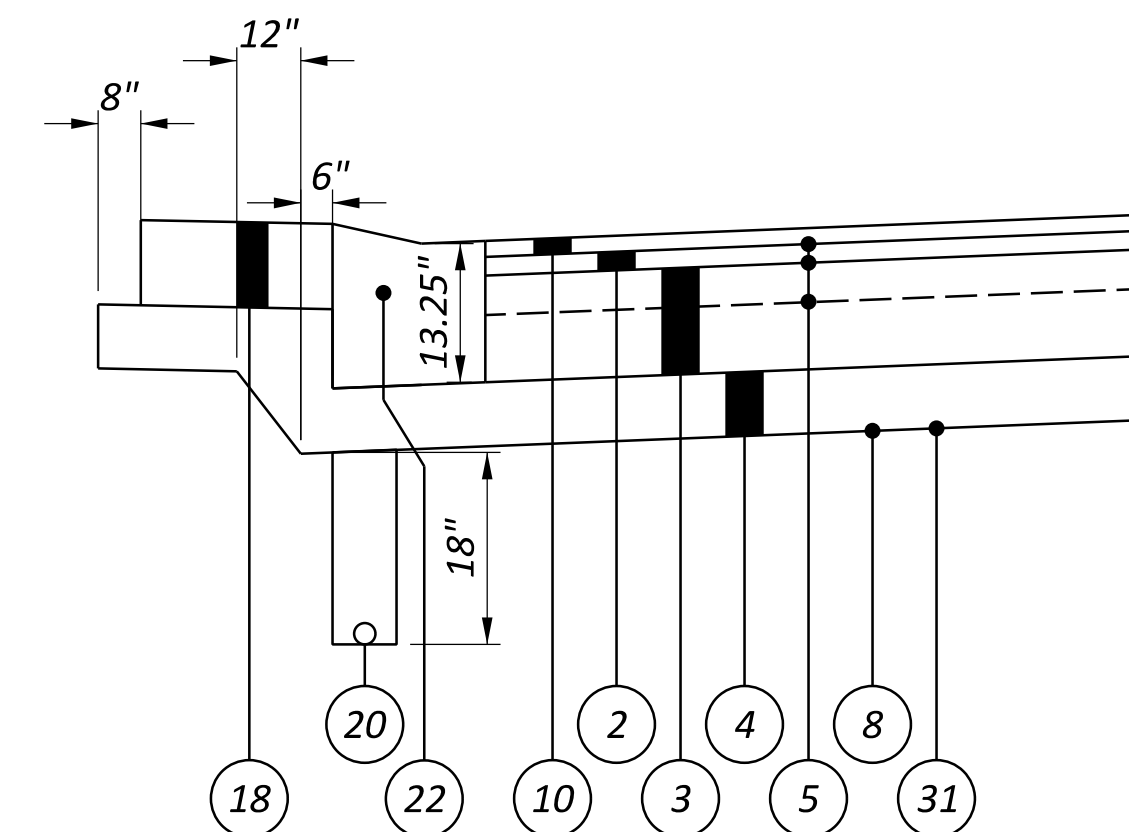
ASPHALT EDGE COURSE DETAIL

1



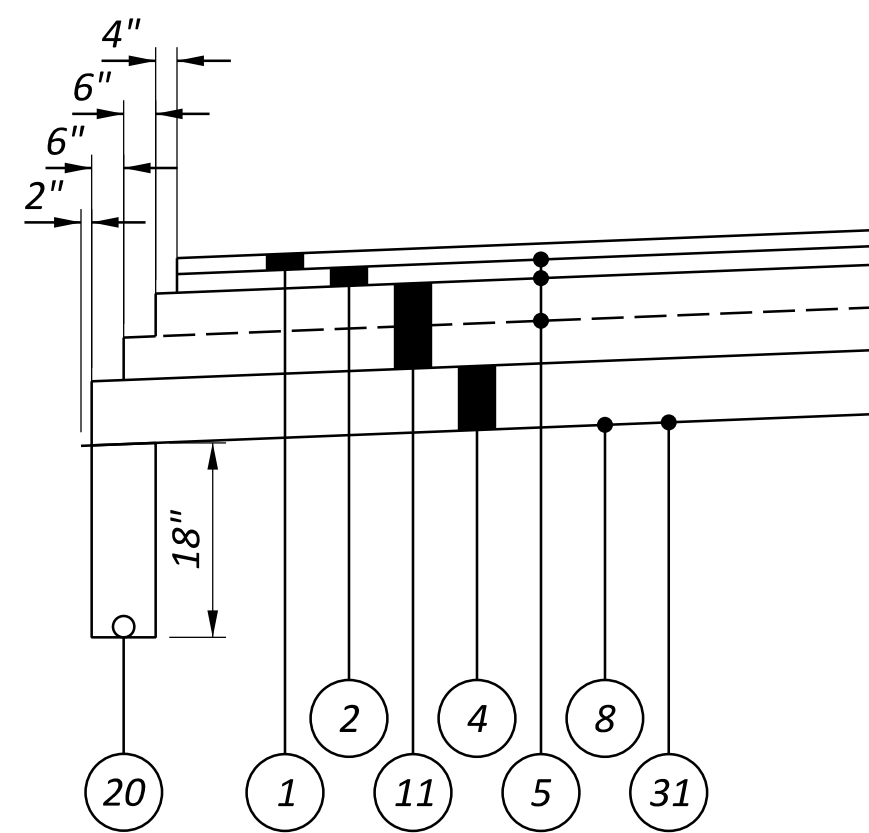
CURB & GUTTER  
EDGE COURSE DETAIL

2



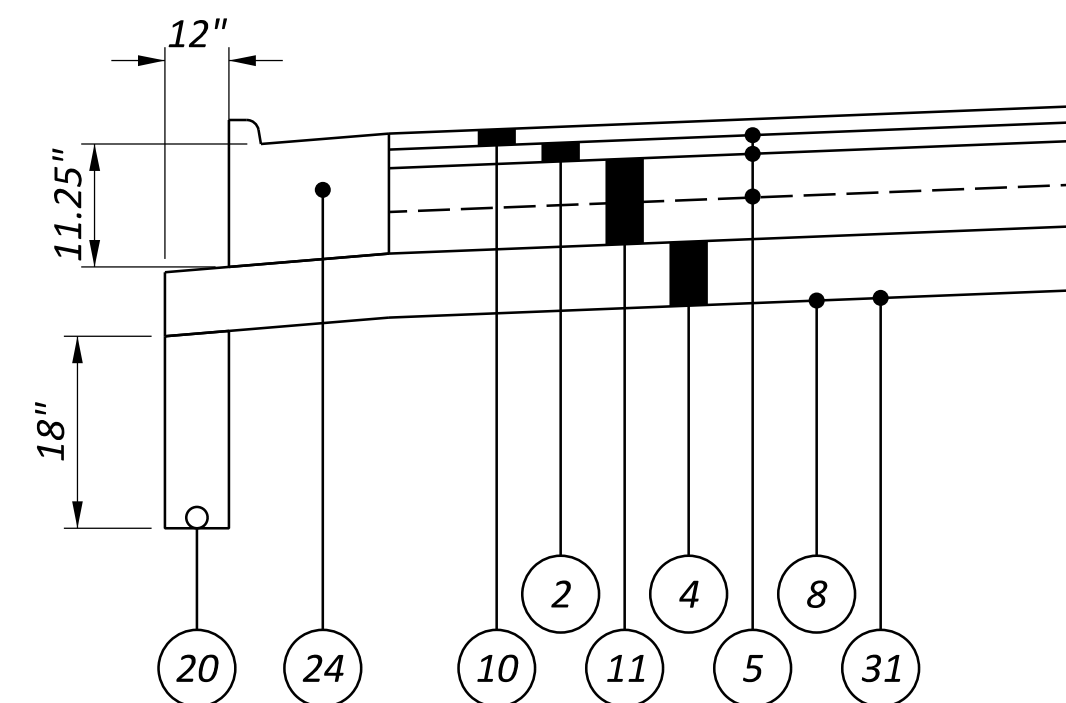
OUTSIDE TRUCK APRON  
EDGE COURSE DETAIL

3



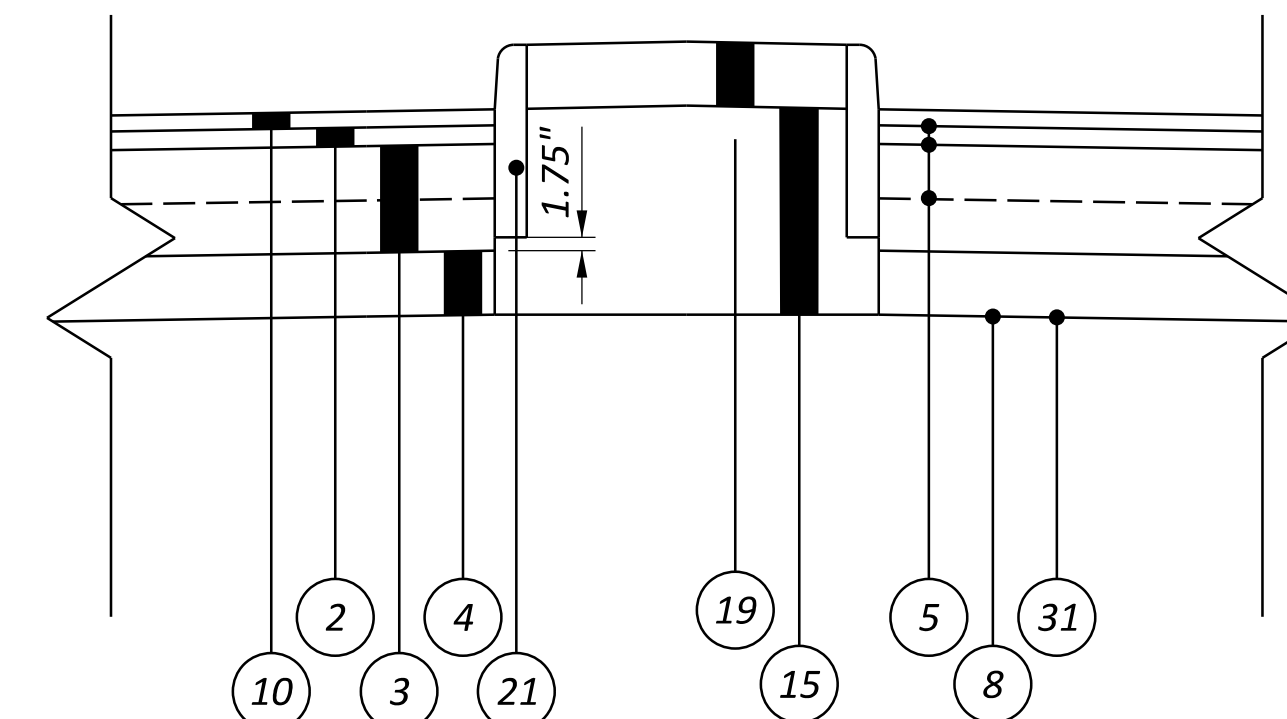
RAMPS  
ASPHALT EDGE COURSE DETAIL

4



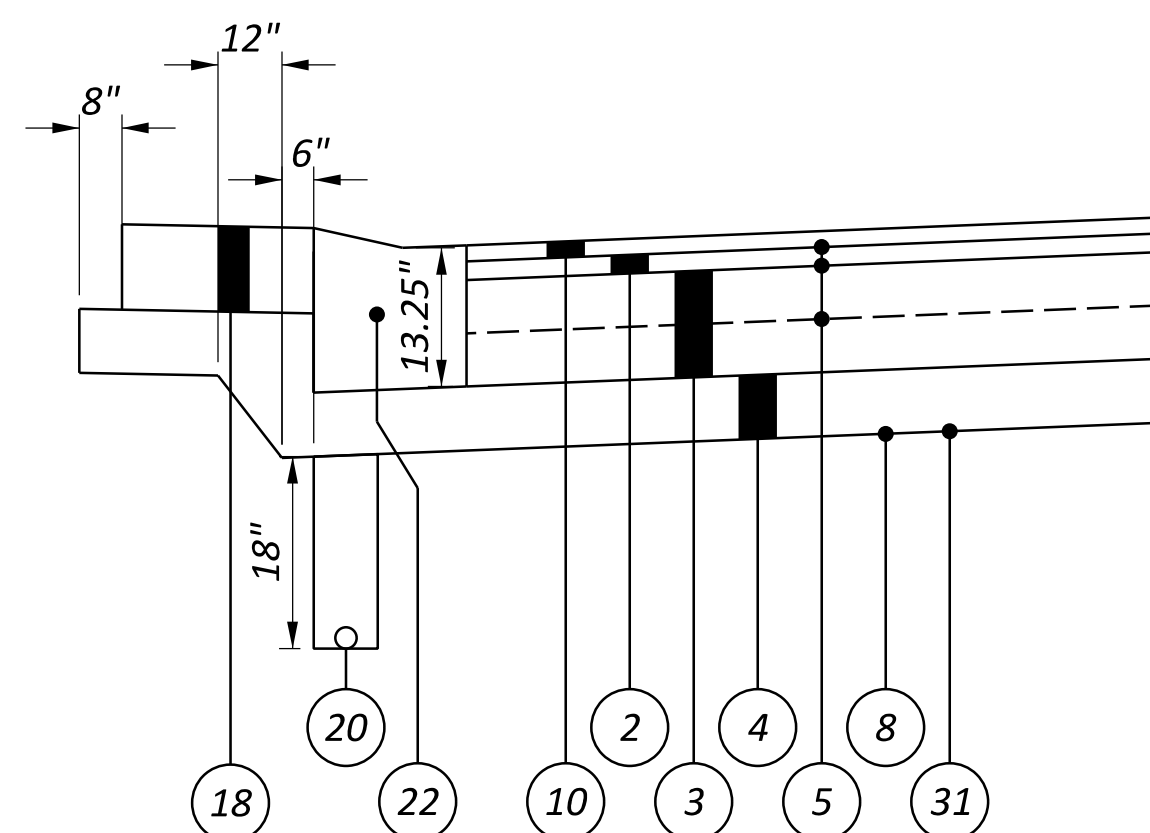
RAMPS  
CURB & GUTTER  
EDGE COURSE DETAIL

5



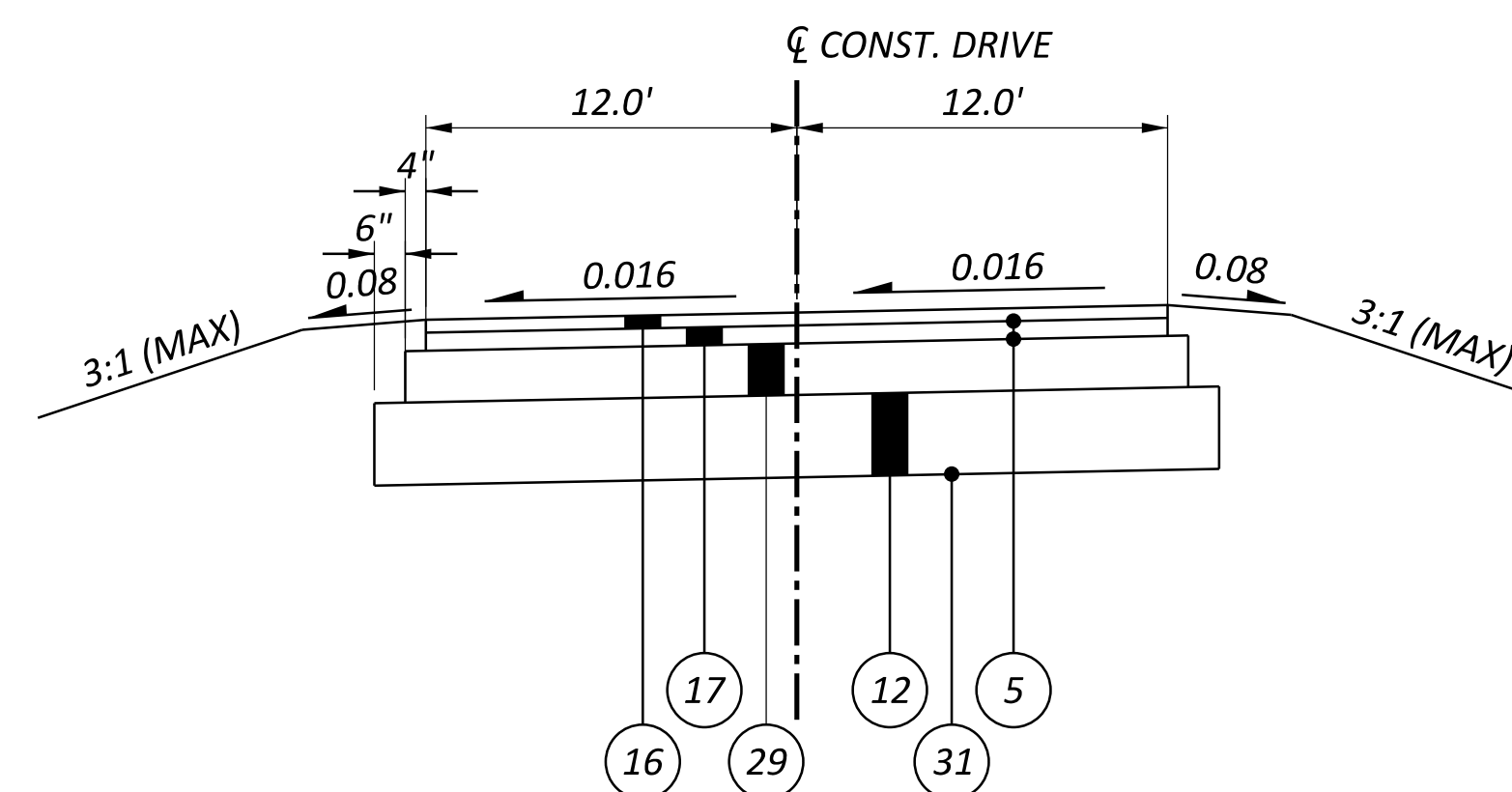
SPLITTER ISLAND DETAIL

6



NORTH  
OUTSIDE TRUCK APRON  
EDGE COURSE DETAIL

7



TYPICAL COMMERCIAL ASPHALT DRIVEWAY  
APPLIES TO US-33 MAINLINE:  
STA. 413+16.05 TO 413+82.27

DESIGN AGENCY

**TRANSYSTEMS**  
400 W. NATIONWIDE BLVD., STE 225  
COLUMBUS, OHIO 43215

DESIGNER

NE

REVIEWER

GHM 01/29/26

PROJECT ID

118055

SHEET TOTAL

P.020 | 298

**ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), AS PER PLAN, PG76-22M**

ALL WORK SHALL BE IN CONFORMANCE WITH ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448) EXCEPT THAT A PG76-22M BINDER SHALL BE UTILIZED FOR HIGH STRESS LOCATIONS WHERE SHOWN AROUND THE ROUNDABOUT.

**ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN**

THIS WORK SHALL CONSIST OF CONSTRUCTING THE CONCRETE INCLUDING A STAIN COLORING FOR THE ROUNDABOUT TRUCK APRON AND BLISTER ISLANDS.

**MATERIALS:**

- A. CONCRETE SHALL BE IN ACCORDANCE WITH THE PLANS AND SECTION 452 OF THE ODOT STANDARD SPECIFICATIONS.
- B. THE CONCRETE COLOR SHALL BE "BRICK RED" AS MANUFACTURED BY BOMANITE: PHONE 303-369-1115, E-MAIL INFO@BOMANITE.COM, INTERNET WWW.BOMANITE.COM
- C. COLORED CONCRETE WILL BE AN INTEGRAL COLORING APPLICATIONS, WITH COLORING ADDITIVES MIXED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. MIX UNTIL COLOR ADDITIVES ARE UNIFORMLY DISPERSED THROUGHOUT MIXTURE. COLOR SHALL BE UNIFORM THROUGHOUT THE CONCRETE.
- D. CURING COMPOUND FOR COLORED CONCRETE: CURING COMPOUND SHALL COMPLY WITH ASTM C309 AND BE APPROVED BY COLOR ADDITIVE MANUFACTURER FOR USE WITH COLORED CONCRETE. PROVIDE A CLEAR COAT SEALER AS APPROVED BY THE ENGINEER AND AS DESCRIBED BELOW.
- E. ADMIXTURES: DO NOT USE CALCIUM CHLORIDE ADMIXTURES.

**CONSTRUCTION REQUIREMENTS:**

- A. PREPARE SUBGRADE AND INSTALL COLORED CONCRETE IN ACCORDANCE WITH THE PLANS AND SECTION 452 OF THE ODOT STANDARD SPECIFICATIONS, EXCEPT AS NOTED HEREIN.
- B. COLORED CONCRETE SHALL HAVE A BROOMED FINISH. PULL BROOM ACROSS FRESHLY FLOATED CONCRETE TO PRODUCE TEXTURE INDICATED IN STRAIGHT LINES PERPENDICULAR TO MAIN LINE OF TRAFFIC. DO NOT DAMPEN BROOMS. ROUNDABOUT TRUCK APRONS SHALL HAVE A LIGHT BROOM FINISH
- C. CURING: APPLY CURING COMPOUND FOR COLORED CONCRETE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. APPLY CURING COMPOUND AT THE CONSISTENT TIME FOR EACH POUR TO MAINTAIN CLOSE COLOR CONSISTENCY.
- D. PROTECT ADJACENT FINISHED SURFACES FROM SPLATTERS.
- E. DO NOT ADD WATER TO CONCRETE AT JOB SITE, FOG OR SPRAY SURFACE WITH WATER, OR PUT INTO PUMPS OR ONTO TOOLS OR BROOMS.
- F. DO NOT APPLY COLOR ADDITIVES MEANT FOR INTEGRAL COLORING TO SURFACE OF CONCRETE.

PAYMENT WILL INCLUDE THE COST OF FURNISHING AND PLACING ALL OF THE MATERIALS, FINISHING, AND TESTING. THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT PRICE PER SQUARE YARD FOR ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 10, AS PER PLAN.

**ITEM 202 - REMOVAL MISC.: DELINEATOR**

THIS ITEM SHALL BE USED TO REMOVE THE EXISTING DELINEATOR POSTS WHERE SPECIFIED IN THE PLANS.

PAYMENT FOR ALL OF THE ABOVE WORK SHALL BE AT THE UNIT PRICE BID PER EACH FOR THE ABOVE ITEM, WHICH INCLUDES ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK.

**ITEM 690 SPECIAL - BLACK STONE MULCH**

CONTRACTOR TO INSTALL WASHED AND ROUNDED BLACK STONE MULCH AND SIZED BETWEEN 3-INCH MINIMUM AND 6-INCH MAXIMUM. STONE MULCH SHALL BE INSTALLED AT A DEPTH OF 12-INCH. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO SHIPPING. INSTALL SOIL SEPERATOR FABRIC, ODOT ITEM 712.09 TYPE D UNDER THE GRAVEL. SLOPE STONE 6:1 WITH HIGHPOINT IN CENTER OF THE CENTRAL ISLAND. STAKE SLOPED FOR THE ENGINEER'S REVIEW PRIOR TO INSTALLATION. THE WORK ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID ITEM FOR SPECIAL BLACK STONE MULCH, AS PER PLAN. EARTHWORK FOR THE MOUNDED CENTRAL ISLAND IS INCLUDED IN EMBANKMENT QUANTITIES.

690 SPECIAL BLACK STONE MULCH 505 SY

**SEEDING AND MULCHING**

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, SOIL ANALYSIS TEST	2 EACH
659, TOPSOIL	4,721 CY
659, SEEDING AND MULCHING	42,532 SY
659, REPAIR SEEDING AND MULCHING	2,127 SY
659, INTER-SEEDING	2,127 SY
659, COMMERCIAL FERTILIZER	5.93 TON
659, LIME	8.79 ACRES
659, WATER	235 MGAL
659, MOWING	96 MSF

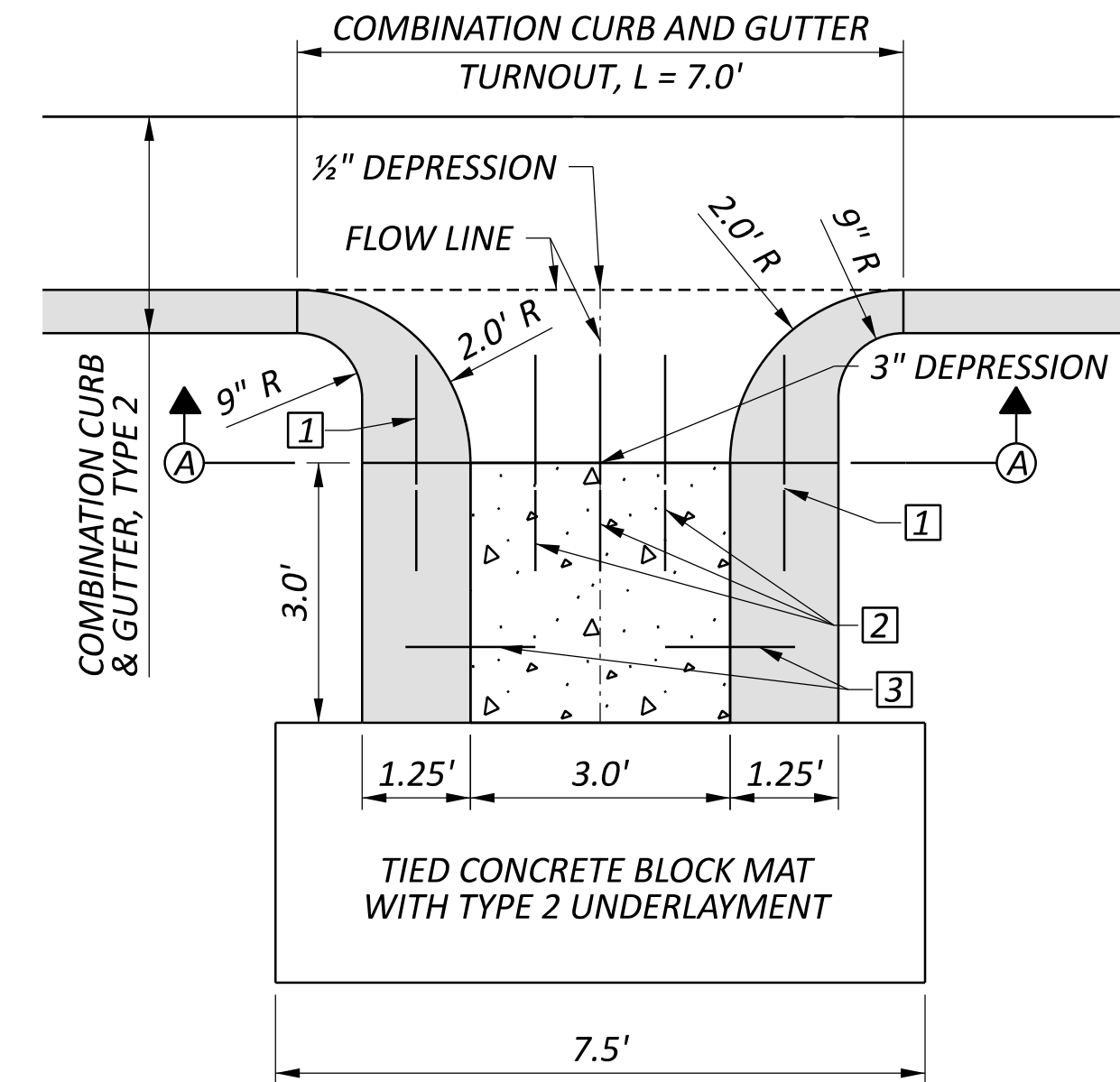
SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING WERE TAKEN FROM CAD GENERATED AREAS BASED ON THESE LIMITS.

**EARTHWORK SUBSUMMARY**

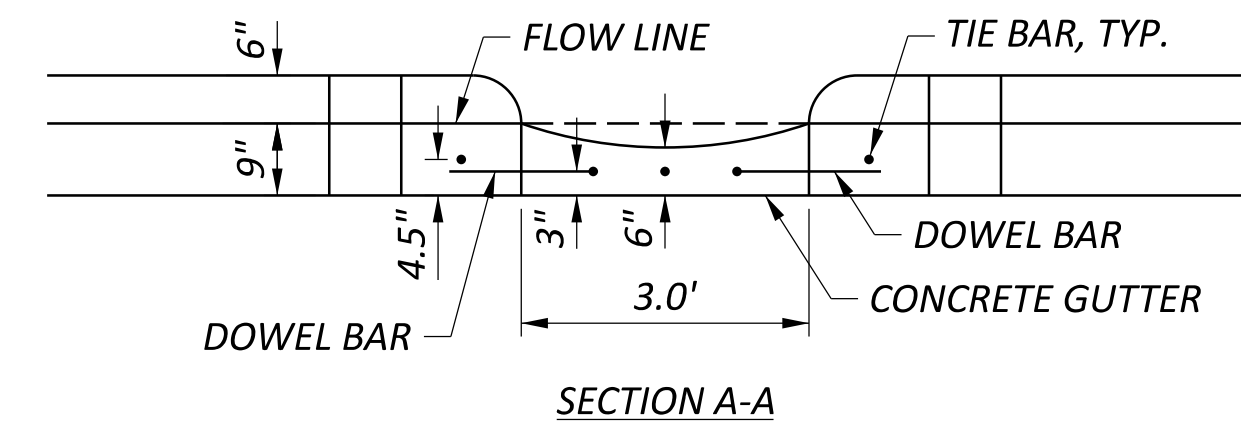
SHEET NO.	ALIGNMENT	203	204	SEEDING
		EXCAVATION CY	EMBANKMENT CY	
P.119	EX US-33 WB	2643	887	84701
P.120	US-33 CROSSOVER	10	63	1566
P.127	US-33 EB	273	511	17556
P.146	US-33 MAINLINE	4418	4677	139981
P.152	EX US-33 EB	38	116	1856
P.154	CEMETERY RD	9	24	632
P.171	RAMP A	2274	2925	89280
P.172	MEDIAN U-TURN CROSSOVER	94	8	2002
P.177	RAMP C	316	736	18899
P.182	REF SL (RAMP D/E)	397	118	4790
P.187	REF SR (RAMP F)	983	44	11273
P.192	REF CC	218	2369	10252
GRAND TOTAL CARRIED TO GENERAL SUMMARY		11674	12477	

**ITEM 609 - CURB, MISC.: COMBINATION CURB AND GUTTER TURNOUT**

THIS ITEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLAN DETAILS SHOWN BELOW. ALL LABOR, MATERIALS, AND INCIDENTALS NECESSARY TO CONSTRUCT A COMPLETE TURNOUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 609 - CURB, MISC.: COMBINATION CURB AND GUTTER TURNOUT.



- 1 TIE BAR, 2.5' PER SCD BP-2.1
- 2 (3) TIE BARS, 2.5' SPACED 9" C/C PER SCD BP-2.1
- 3 (2) 1.5' DOWEL BAR PER SCD BP-2.2



**POST-CONSTRUCTION VERTICAL CLEARANCE**

AFTER COMPLETING THE WORK, THE CONTRACTOR SHALL TAKE VERTICAL CLEARANCE MEASUREMENTS FOR BRIDGES AUG-75-0498L AND AUG-75-0498R UNDER EACH BEAM LINE TO THE TOP OF THE US-33 PAVEMENT AT THE FOLLOWING LOCATIONS:

1. EDGE OF SHOULDER (LEFT OF CENTER LINE)
2. EDGE OF PAVEMENT (LEFT OF CENTER LINE)
3. EDGE LINE (YELLOW - LEFT OF CENTER LINE)
4. CENTER LINE
5. EDGE LINE (YELLOW - RIGHT OF CENTER LINE)
6. EDGE OF PAVEMENT (RIGHT OF CENTER LINE)
7. EDGE OF SHOULDER (RIGHT OF CENTER LINE)

READINGS TO BE PROVIDED TO THE ENGINEER TO THE NEAREST ONE HUNDRETH OF A FOOT.

**CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES**

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

**REVIEW OF DRAINAGE FACILITIES**

PRIOR TO THE START OF WORK AND AGAIN BEFORE FINAL ACCEPTANCE, PERFORM AN INSPECTION WITH REPRESENTATIVES OF THE DEPARTMENT, CONTRACTOR AND LOCALS OF ALL EXISTING DRAINAGE FACILITIES THAT ARE TO REMAIN IN SERVICE WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES IS DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION ARE MAINTAINED BY THE DEPARTMENT.

CONFIRM ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES ARE MAINTAINED AND LEFT IN A CONDITION COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THEIR OPERATIONS AS DIRECTED AND APPROVED BY THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

**EXISTING SUBSURFACE DRAINAGE**

PROVIDE UNOBSTRUCTED OUTLETS FOR ALL EXISTING UNDERDRAINS OR AGGREGATE DRAINS ENCOUNTERED DURING CONSTRUCTION.

PROVIDE AN OUTLET PER STANDARD CONSTRUCTION DRAWING DM-1.1 FOR ALL UNDERDRAINS THAT OUTLET TO A SLOPE. UNDERDRAINS THAT CAN BE CONNECTED TO THE NEW OR EXISTING UNDERDRAINS AT THE END OF THE PROJECT LIMITS AS WELL AS ALL NECESSARY BENDS OR BRANCHES REQUIRED FOR CONNECTION ARE INCLUDED IN THE BASIS OF PAYMENT FOR UNCLASSIFIED PIPE UNDERDRAINS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

- ITEM 601, TIED CONCRETE BLOCK MAT, TYPE 1, 8 SQ. YD.
- ITEM 611, 4" CONDUIT, TYPE F, 50 FT.
- ITEM 611, PRECAST REINFORCED CONCRETE OUTLET, 4 EACH
- ITEM 605, 4" UNCLASSIFIED PIPE UNDERDRAINS, 100 FT.

**DELINEATION OF PORTABLE AND PERMANENT BARRIER**

BARRIER REFLECTORS AND OBJECT MARKERS SHALL BE INSTALLED ON ALL PORTABLE BARRIER (PB) USED FOR TRAFFIC CONTROL; AND, ON PERMANENT CONCRETE BARRIER (INCLUDING BRIDGE PARAPETS) LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE.

BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THE SPACING SHALL BE AS PER TRAFFIC SCD MT-101.70. OBJECT MARKERS AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614.03 AND SCD MT-101.70. WHEN THE PB OR PERMANENT BARRIER (INCLUDING BRIDGE PARAPETS) CONTAINS GLARE SCREEN, ONE SET OF THREE VERTICAL STRIPES OF SHEETING SHALL BE CONSIDERED EQUIVALENT TO AN OBJECT MARKER, ONE-WAY.

INCREASED BARRIER DELINEATION, AS SPECIFIED HEREIN, SHALL BE INSTALLED ON ALL PB AND PERMANENT CONCRETE BARRIER LOCATED WITHIN 5 FEET OF THE EDGE OF THE TRAVELED LANE UNDER EITHER OF THE FOLLOWING CONDITIONS: ALONG TAPERS AND TRANSITION AREAS; OR ALONG CURVES (OUTSIDE ONLY) WITH DEGREE OF CURVATURE GREATER THAN OR EQUAL TO 3 DEGREES.

THE INCREASED BARRIER DELINEATION SHALL CONSIST OF EITHER DELINEATION PANELS OR THE TRIPLE STACKING OF WORK ZONE BARRIER REFLECTORS.

DELINEATION PANELS SHALL CONSIST OF PANELS OF DELINEATION, APPROXIMATELY 34 INCHES LONG AND 6 INCHES WIDE AND SHALL BE "CRIMPED." PANELS SHALL BE INSTALLED AND SPACED PER TRAFFIC SCD MT-101.70.

TRIPLE-STACKED BARRIER REFLECTORS SHALL CONSIST OF ALIGNING THREE BARRIER REFLECTORS VERTICALLY, AT LOCATIONS WHERE A SINGLE BARRIER REFLECTOR WOULD BE OTHERWISE ATTACHED. THERE SHALL BE NO OPEN SPACE BETWEEN THE ADJACENT BARRIER REFLECTORS. THE TRIPLE-STACKED BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THEY SHALL BE SPACED AND ALIGNED PER TRAFFIC SCD MT-101.70.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE 1 ONE-WAY	195 EACH
ITEM 614, BARRIER REFLECTOR, TYPE 1 BI-DIRECTIONAL	153 EACH
ITEM 614, OBJECT MARKER, ONE WAY	98 EACH
ITEM 614, OBJECT MARKER, TWO WAY	92 EACH
ITEM 614, INCREASED BARRIER DELINEATION	9,260 FEET

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING EACH OF THE ABOVE ITEMS.

ALONG RUNS OF INCREASED BARRIER DELINEATION WHERE THIS ITEM IS PROVIDED, THE QUANTITY SHALL BE MEASURED AS THE ENTIRE LENGTH OF THE RUN OF INCREASED BARRIER DELINEATION, INCLUDING THE SPACES BETWEEN THE INDIVIDUAL DELINEATION PANELS OR STACKS OF BARRIER REFLECTORS.

**DELINEATION OF TEMPORARY AND PERMANENT GUARDRAIL**

BARRIER REFLECTORS SHALL BE INSTALLED ON ALL TEMPORARY GUARDRAIL USED FOR TRAFFIC CONTROL; AND, ON ALL PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. BARRIER REFLECTORS SHALL CONFORM TO C&MS 626 AND THE SPACING SHALL BE APPROXIMATELY 50 FEET.

OBJECT MARKERS SHALL BE INSTALLED ON ALL TEMPORARY AND PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. GUARDRAIL-MOUNTING OF OBJECT MARKERS SHALL BE MADE BY INSTALLING THE OBJECT MARKERS ON THE EXTENSION BLOCKS RATHER THAN DIRECTLY ONTO THE GUARDRAIL ITSELF. OBJECT MARKERS SHALL CONFORM TO C&MS 614.03 AND THE SPACING SHALL BE APPROXIMATELY 50 FEET WITH A 25 FOOT OFFSET FROM THE BARRIER REFLECTORS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE 3 BIDIRECTIONAL	6 EACH
ITEM 614, OBJECT MARKER, ONE WAY	9 EACH

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING EACH OF THE ABOVE ITEMS.

**ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS**

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

DURING PERIODS WHERE TRAFFIC NEEDS TO BE DIRECTED CONTRARY TO A TRAFFIC CONTROL DEVICE (FLAGGER, SIGN [E.G. STOP SIGN, STREET OR HIGHWAY SIGNS, ETC], SIGNAL OR OTHER DEVICE USED TO REGULATE, WARN OR GUIDE TRAFFIC). TRAFFIC IN THIS INSTANCE INCLUDES VEHICULAR, PEDESTRIAN AND/OR SHARED USE PATH USERS.

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

**CRITERIA:**

- . ON A MULTI-LANE DIVIDED INTERSTATE, OTHER FREEWAY OR EXPRESSWAY; AND
- . AN AUTHORIZED SPEED LIMIT OF 45 MPH OR GREATER THAT IS IN EFFECT AT THE TIME OF THE OPERATION; AND,
- . AADT OF 50,000 (OR AADT OF 30,000 WITH 25% OR HIGHER PERCENT TRUCKS)

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION (OR AT THE POINT OF ROAD CLOSURE), AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS AND/OR IN CONTRARY TO OTHER TRAFFIC CONTROL DEVICES IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

**ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS (CONT.)**

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE THAT SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	160 HOURS
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THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF A LEO ARE INCLUDED OF A LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614 - LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE. FOR ASSISTANCE.

**NOTIFICATION OF TRAFFIC RESTRICTIONS**

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

**NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE**

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	4 CALENDAR DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

**EARTHWORK FOR MAINTAINING TRAFFIC**

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE PLAN FOR INFORMATION ONLY.

EXCAVATION FOR MAINTAINING TRAFFIC 292 CU. YD.  
EMBANKMENT FOR MAINTAINING TRAFFIC 368 CU. YD.

WHEN UNDERCUTS ARE NECESSARY FOR MAINLINE PAVEMENT OR EMBANKMENT CONSTRUCTION, EVALUATE THE NEED FOR TEMPORARY ROAD UNDERCUTS IF WITHIN A CLOSE PROXIMITY TO THE MAINLINE UNDERCUTS. A GEOTECHNICAL EVALUATION SHOULD BE CONSIDERED TO DETERMINE IF THE EXISTING SOIL CONDITIONS ARE ADEQUATE TO SUPPORT THE TEMPORARY ROAD. ADDITIONAL SOIL BORINGS ALONG THE TEMPORARY ROAD ARE NOT NORMALLY REQUIRED.

**ITEM 615, ROADS FOR MAINTAINING TRAFFIC, LUMP SUM**

THE FOLLOWING QUANTITIES RELATED TO ITEM 615 - ROADS FOR MAINTAINING TRAFFIC HAVE BEEN INCLUDED FOR INFORMATION ONLY:

ITEM 202, PAVEMENT REMOVED	450 SY
ITEM 606, GUARDRAIL, TYPE MGS	37.5 FT
ITEM 606, ANCHOR ASSEMBLY, MGS TYPE T	1 EA
ITEM 606, ANCHOR ASSEMBLY, MGS TYPE B	1 EA
ITEM 611 - CATCH BASIN, NO. 2-2B	2 EA

**ITEM 618, RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE), AS PER PLAN**

THE CONTRACTOR SHALL MILL 1.5 INCHES DEEP BY 2 FEET WIDE OF THE EXISTING ASPHALT SHOULDER IN ORDER TO REMOVE THE EXISTING RUMBLE STRIPS ALONG US-33 IN THE AREA WHERE TRAFFIC IS SHIFTED ACROSS AND/OR ONTO THE RUMBLE STRIPS. THE CONTRACTOR SHALL THEN COAT ALL MILLED SURFACES (HORIZONTAL AND VERTICAL) WITH APPROVED AC LIQUID. NEXT THE CONTRACTOR SHALL PLACE AND COMPACT 1.5 INCHES OF ITEM 448 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG 64-22 WITHIN THE MILLED TRENCH.

AN ESTIMATED QUANTITY OF 6,450 FEET HAS BEEN CARRIED TO THE GENERAL SUMMARY

**ITEM 622, PORTABLE BARRIER, 50", AS PER PLAN**

THIS WORK SHALL CONSIST OF FURNISHING, MAINTAINING, AND SUBSEQUENTLY REMOVING A 50-INCH PORTABLE BARRIER AT THE LOCATIONS SHOWN ON THE PLANS. FOR DETAILS, SEE SCD RM-4.1.

PORTABLE STEEL BARRIER IS AN APPROVED ALTERNATIVE TO PORTABLE CONCRETE BARRIER. FOR INFORMATION ON APPROVED VENDORS, SEE THE APPROVED PRODUCTS LIST MAINTAINED BY THE OFFICE OF ROADWAY ENGINEERING.

PORTABLE BARRIER, 32 INCHES HIGH WITH AN 18-INCH MINIMUM HEIGHT GLARE SCREEN MAY BE USED AT THE OPTION OF THE CONTRACTOR. THE GLARE SCREEN SHALL BE CONSTRUCTED USING ONE OF THE SCREENS PROVIDED ON THE APPROVED LIST, AVAILABLE ON THE OFFICE OF ROADWAY ENGINEERING WEBSITE.

PADDLE OR INTERMITTENT TYPE GLARE SCREENS SHALL BE DESIGNED USING A 20 DEGREE CUT-OFF ANGLE BASED ON TANGENT ALIGNMENT. THAT SPACING SHALL BE USED THROUGHOUT THE BARRIER LENGTH WITHOUT REGARD TO BARRIER CURVATURE.


THE GLARE SCREEN SYSTEM SHALL BE SECURELY FASTENED TO THE 32-INCH PORTABLE BARRIER USING THE HARDWARE AND PROCEDURES SPECIFIED BY THE MANUFACTURER.

FOR DIRECTIONS ON HOW TO INSTALL THE GLARE SCREEN AND THE BARRIER, SEE THE MANUFACTURER'S INSTRUCTIONS.

PAYMENT SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND SHALL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR ITEM 622, PORTABLE BARRIER, 50", AS PER PLAN.

REF NO.	SHEET NO.	STATION TO STATION	411	611	611	611	611	614	614	614	614	614	614	614	614	614	614	614	615	622	622	
			STABILIZED CRUSHED AGGREGATE CY	12" CONDUIT, TYPE B FT	15" CONDUIT, TYPE B FT	CATCH BASIN, NO. 5 EACH	CATCH BASIN, NO. 2-2B EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL) EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL) EACH	WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT MILE	WORK ZONE CENTER LINE, CLASS I, DOUBLE SOLID MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT (WHITE) MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT (YELLOW) MILE	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT FT	WORK ZONE DOTTED LINE, CLASS I FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I FT	WORK ZONE GORE MARKING, CLASS II FT	WORK ZONE STOP LINE, CLASS I FT	WORK ZONE ARROW, CLASS I EACH	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A SY	PORTABLE BARRIER, UNANCHORED FT	PORTABLE BARRIER, 50", AS PER PLAN FT
TP-1	P.33	WAPA.-FISHER DETOUR INTERSECTION WIDENING																	211			
TP-1	P-36-P.37	12+10 LT TO 18+42 RT	28																845			
PHASE 2																						
CH-1	P.45	233+41 LT TO 238+17 LT													478							
CV-1	P.45	235+92 LT TO 237+29 LT														72	72					
CH-2	P.45	235+51 LT TO 238+19 LT													279							
EW-1	P.45-P.48	238+17 LT TO 187+05 RT								0.93												
EY-3	P.45-P.46	238+19 LT TO 258+03 RT									0.38											
EW-3	P.45	245+35 RT TO 247+79 RT								0.05												
EW-4	P.45-P.46	252+76 RT TO 256+49 RT								0.07												
IA-2	P.46	256+86 RT TO 259+61 RT							1													
PB-4	P.46	257+12 RT TO 187+16 RT																		260		
EY-1	P.45-P.48	135+51 LT TO 142+44 LT																				
EW-2	P.45	135+79 LT TO 188+80 RT								0.15												
EY-2	P.45-P.48	136+00 RT TO 140+15 RT																				
TD-1	P.45	136+46 RT TO 184+75 RT		269			1															
PB-1	P.45-P.48	142+00 RT TO 145+38 RT																	67		4610	
IA-1	P.45	142+02 RT TO 180+88 RT							1													
PB-2	P.45-P.48	142+24 RT TO 158+82 RT																				
TP-2	P.45-P.46	148+14 RT TO 156+55 LT					1															
TD-2	P.45	149+40 RT TO 180+49 LT																				
EW-5	P.45-P.46	152+12 LT TO 155+73 RT								0.09												
EW-6	P.45-P.48	152+12 LT TO 161+92 RT								0.54												
TD-3	P.46	155+00 RT TO 172+08 RT		70			1															
TP-3	P.46	159+56 RT TO 170+54 RT																				
TP-4	P.46-P.47	164+34 RT TO 172+46 RT																				
TD-5	P.47	171+87 RT TO 181+31 RT																				
TP-5	P.47-P.48	172+46 RT TO 181+57 RT																				
EW-8	P.48	180+96 RT TO 184+27 RT																				
IA-4	P.48	181+57 RT TO 183+18 LT																				
PB-5	P.48	181+57 RT TO 184+27 RT																				
EW-7	P.48	181+70 LT TO 185+75 RT																				
IA-5	P.48	184+27 RT TO 177+50 LT																				
IA-6	P.48	185+75 RT TO 140+00 C																				
PHASE 3																						
EW-1	P.49-P.51	137+64 LT TO 177+50 LT																				
LL-2	P.49	137+64 C TO 140+00 C																				
EY-2	P.49-P.51	137+64 LT & RT TO 177+50 LT & RT																				
LL-1	P.49	233+41 LT TO 238+86 LT																				
EY-1	P.49-P.51	235+51 LT TO 270+82 RT																				
DL-1	P.49	238+86 LT TO 245+45 RT																				
EW-2	P.49-P.50	238+86 RT TO 262+11 RT																				
IA-1	P.49	245+70 RT TO 249+70 RT																				
PB-1	P.49	245+70 RT TO 249+70 RT																				
CH-1	P.50	259+50 LT TO 262+21 LT																				
LA-1	P.50	259+74 C TO 262+21 LT & RT																				
LA-2	P.50	261+18 C TO 262+33 RT																				
TR-1	P.50	261+89 LT TO 262+33 RT																				
EY-2A	P.50	262+18 RT TO 6+26(RAMP D) RT																				
EY-2A	P.50-P.51	262+21 LT TO 177+00 LT																				
PB-2	P.51	167+60 LT TO 271+90 LT																				
IA-2	P.51	177+00 LT TO 271+90 LT																				
EW-3	P.51	270+82 RT TO 270+91 RT																				
DL-2	P.51	270+82 RT TO 271+72 RT																				
EW-4	P.51	271+22 RT TO 271+72 RT																				
EY-3	P.51	271+22 RT TO 7+22(RAMP D) LT																				
DL-3	P.51	271+72 RT TO 272+12 RT																				
DL-4	P.51	271+90 LT TO 272+25 RT																				
EY-4	P.51	17+86(RAMP F) LT TO 271+72 RT																				
EW-5	P.51-P.52	17+86(RAMP F) RT TO 265+00 (CEM.) LT																				
EW-6	P.51	272+25 RT TO 272+26 RT																				
EY-5	P.51-P.52	272+26 RT TO 14+39 LT																				
CL-1	P.52	265+00 (CEM.) C TO 265+85 (CEM.) C																				
SL-1	P.52	265+85 (CEM.) C & RT TO 13+86 RT																				
EW-7	P.52	265+00 (CEM.) RT TO 13+86 RT																				
TOTALS CARRIED TO GENERAL SUMMARY			28	339	225	1	3	5	2	0.16	0.02	3.84	4.34	1027	798	100	72	15	2	1589	5740	4610

MAINTENANCE OF TRAFFIC SUBSUMMARY SHEET

DESIGN AGENCY  
  
 DESIGNER  
 MS  
 REVIEWER  
 CAG 01/22/26  
 PROJECT ID  
 118055  
 SHEET TOTAL  
 P.057 | 298



PAVEMENT AREA	STATION RANGE		SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	CADD GENERATED AREA	204	204	204	204	204	254	254	302	302	302	304	407	407	442	442			
	FROM	TO					SY	CY	CY	hour	SY	SY	SY	SY	CY	CY	CY	CY	GAL	GAL	CY	CY		
	EX US-33 WB																							
RESURFACING	141+51.07	144+00.00	LT/RT	248.93	38.36	9549.4							1061.04					12.73	9.55	44.21	51.58			
	US-33 CROSSOVER																							
FULL DEPTH ASPHALT	144+00.00	148+36.57	LT/RT	436.57	23.94	10449.9	1161.10									322.53	193.52	20.90		48.38	56.44			
FULL DEPTH ASPHALT [RAMP]	144+00.00	147+34.17	LT	334.17	2.09	697.5	77.50									21.53	12.92	1.40		3.23	3.77			
RESURFACING	144+00.00	147+35.64	LT	335.64	12.13	4070.9							452.32	50.26				5.43	4.07	18.85	21.99			
+EDGE COURSE	144+00.00	147+34.17	LT	340.90			56.82									6.14	8.42	0.68						
+EDGE COURSE	144+00.00	148+36.57	RT	435.84			72.64									7.85	10.76	0.87						
+EDGE COURSE	147+37.51	148+36.57	LT	99.33			16.55									1.79	2.45	0.20						
	EX US-33 EB																							
RESURFACING	246+00.00	247+00.00	LT/RT	100.00	22.03	2202.8						244.76						2.94	2.20	10.20				
FULL DEPTH ASPHALT	246+00.00	247+00.00	LT	100.00	4.84	484.0	53.78									14.94	8.96	0.97		2.24	2.61			
FULL DEPTH ASPHALT	246+00.00	247+00.00	RT	100.00	11.40	1140.3	126.70									35.19	21.12	2.28		5.28	6.16			
+EDGE COURSE	246+00.00	247+00.00	LT	100.50			16.75									1.81	2.48	0.20						
+EDGE COURSE	246+00.00	247+00.00	RT	99.33			16.56									1.79	2.45	0.20						
	US-33 MAINLINE																							
RESURFACING	247+00.00	249+21.60	LT/RT	221.60	21.69	4805.5							533.94	59.33				6.41	4.81	22.25	25.96			
FULL DEPTH ASPHALT	247+00.00	254+36.14	LT	736.14	23.99	17663.6	1962.62									545.17	327.10	35.33		81.78	95.41			
FULL DEPTH ASPHALT	247+00.00	254+36.14	RT	736.14	11.08	8153.6	905.95									251.65	150.99	16.31		37.75	44.04			
RESURFACING	249+30.06	254+36.14	LT/RT	506.08	21.59	10927.3							1214.15	134.91				14.57	10.93	50.59	59.02			
+EDGE COURSE	247+00.00	254+36.14	LT	738.61			123.10									13.30	18.24	1.48						
+EDGE COURSE	247+00.00	254+36.14	RT	736.14			122.69									13.25	18.18	1.47						
	MEDIAN U-TURN CROSSOVER																							
FULL DEPTH ASPHALT	0+09.90	1+02.59	LT/RT	120.59	31.81	3836.1	426.23											71.04	7.67		17.76	20.72		
+RAMP EDGE COURSE	0+09.90	0+96.74	LT	87.90														2.17	0.18					
+RAMP EDGE COURSE	0+09.91	0+93.83	RT	79.03														1.95	0.16					
	US-33 MAINLINE																							
FULL DEPTH ASPHALT	400+00.00	403+44.84	LT	344.84	11.54	3979.7	442.19											7.96		18.42	21.50			
FULL DEPTH ASPHALT	400+00.00	403+44.84	RT	344.84	31.83	10978.0	1219.78											21.96		50.82	59.29			
RESURFACING	400+00.00	400+42.39	LT/RT	42.39	18.89	800.8							88.98	9.89				1.07	0.80	3.71	4.33			
RESURFACING	400+52.01	403+44.84	LT/RT	292.83	18.97	5555.1							617.23	68.58				7.41	5.56	25.72	30.00			
+EDGE COURSE	400+00.00	400+51.54	LT	51.79			8.63									0.93	1.28	0.10						
+EDGE COURSE	400+00.00	403+44.84	RT	344.69			57.45									6.21	8.51	0.69						
+EDGE COURSE	401+20.95	403+44.84	LT	224.33			37.39									4.04	5.54	0.45						
FULL DEPTH ASPHALT	403+44.84	404+38.93	LT	94.09	10.97	1032.6	114.73									31.87	19.12	2.07		4.78	5.58			
FULL DEPTH ASPHALT	403+44.84	404+38.93	RT	94.09	50.58	4759.2	528.80									146.89	88.13	9.52		22.03	25.71			
RESURFACING	403+44.84	404+38.93	LT/RT	94.09	18.97	1784.6							198.29	22.03				2.38	1.78	8.26	9.64			
+EDGE COURSE	403+44.84	404+38.93	LT	93.95			15.66									1.69	2.32	0.19						
+EDGE COURSE	403+44.84	404+35.46	RT	91.72			15.29									1.65	2.26	0.18						
FULL DEPTH ASPHALT	404+38.93	408+00.00	LT	361.07	11.31	4082.5	453.61									126.00	75.60	8.17		18.90	22.05			
FULL DEPTH ASPHALT	404+38.93	408+00.00	RT	361.07	23.69	8553.2	950.36									263.99	158.39	17.11		39.60	46.20			
RESURFACING	404+38.93	407+01.98	LT/RT	263.05	18.90	4972.7							552.52	61.39				6.63	4.97	23.02	26.86			
RESURFACING	407+11.78	408+00.00	LT/RT	88.22	4.69	414.1							46.01	5.11				0.55	0.41	1.92	2.24			
+EDGE COURSE	404+38.93	408+00.00	LT	359.33			59.89									6.47	8.87	0.72						
+EDGE COURSE	404+38.93	407+51.28	RT	313.75			52.29									5.65	7.75	0.63						
FULL DEPTH ASPHALT	408+00.00	409+00.00	LT	100.00	10.85	1084.5	120.50	40.17	40.17	0.060	120.50					33.47	20.08	2.17		5.02	5.86			
FULL DEPTH ASPHALT	408+00.00	409+00.00	RT	100.00	26.08	2607.8	289.75	96.58	96.58	0.145	289.75					80.49	48.29	5.22		12.07	14.09			
RESURFACING	408+00.00	409+00.00	LT/RT	100.00	19.00	1900.4							211.16	23.46				2.53	1.90	8.80	10.26			
+EDGE COURSE	408+00.00	409+00.00	LT	99.47			16.58	1.23	1.23	0.008	16.58					1.79	2.46	0.20						
+EDGE COURSE	408+40.47	409+00.00	RT	59.81			9.97	0.74	0.74	0.005	9.97					1.08	1.48	0.12						
<b>TOTALS CARRIED TO SUBSUMMARY</b>							9,532	139	139	5	437	245	4,976	435	103	2,411	1,580	231	47	586	672			

**PAVEMENT SUBSUMMARY**

DESIGN AGENCY  
**TRANSYSYSTEMS**  
 400 W. NATIONWIDE BLVD., STE 225  
 COLUMBUS, OHIO 43215

DESIGNER  
**TJA**

REVIEWER  
**GHM 01/29/26**

PROJECT ID  
**118055**

SHEET TOTAL  
 P.069 | 298

PAVEMENT AREA	STATION RANGE		SIDE	DISTANCE (D) FT	AVERAGE WIDTH (W) FT	CADD GENERATED AREA SF	204	204	204	204	204	254	254	302	302	304		304	407	407	442	442	442	452	452	
	FROM	TO					SY	CY	CY	hour	SY	SY	SY	CY	CY	CY	CY	CY	CY	GAL	GAL	CY	CY	CY	SY	SY
US-33 MAINLINE																										
FULL DEPTH ASPHALT RESURFACING	409+00.00	411+00.00	LT	200.00	10.88	2,175.69	241.74	80.58	80.58	0.121	241.74				67.15	40.29			4.35		10.07		11.75			
+EDGE COURSE	409+00.00	411+00.00	LT/RT	200.00	45.06	9,012.06						1001.34	111.26						12.02	9.01	41.72		48.68			
+EDGE COURSE	409+00.00	411+00.00	LT	199.05			33.18	11.06	11.06	0.017	33.18				3.58	4.91			0.40							
+EDGE COURSE	409+00.00	411+00.00	RT	200.89									22.3							0.60						
FULL DEPTH ASPHALT RESURFACING	411+00.00	412+50.00	LT	150.00	10.85	1,627.72	180.86			0.090					50.24	30.14			3.26		7.54		8.79			
+EDGE COURSE	411+00.00	412+50.00	LT/RT	150.00	45.15	6,772.20					752.47									6.77	31.35					
+EDGE COURSE	411+00.00	412+50.00	LT	149.26			24.88			0.012					2.69	3.69			0.30							
FULL DEPTH ASPHALT RESURFACING	412+50.00	413+00.00	LT	50.00	9.75	487.58	54.18			0.027					15.05	9.03			0.98		2.26		2.63			
+EDGE COURSE	412+50.00	413+00.00	LT/RT	50.00	44.48	2,224.17						247.13	27.46						2.97	2.22	10.30		12.01			
+EDGE COURSE	412+50.00	413+00.00	LT	51.44			8.57			0.004					0.93	1.27			0.10							
+EDGE COURSE	412+50.00	413+00.00	RT	49.10									5.5							0.15						
FULL DEPTH ASPHALT	413+00.00	414+42.92	LT/RT	142.92	42.54	6,079.65	675.52								187.64	112.59			12.16		28.15		32.84			
+EDGE COURSE	413+00.00	413+01.84	LT	1.13			0.19			0.000					0.02	0.03			0.00							
+EDGE COURSE	413+00.00	414+33.57	RT	131.79			21.97			0.011					2.37	3.25			0.26							
+CURB, TYPE 6 EDGE COURSE	413+01.84	413+11.63	LT	10.22			1.70			0.001						0.28										
+CURB AND GUTTER EDGE COURSE	413+11.63	413+12.18	LT	0.63			0.24			0.000						0.04										
+CURB AND GUTTER EDGE COURSE	413+84.24	414+42.92	LT	58.51			22.76			0.011						3.79										
+CURB, TYPE 6 EDGE COURSE	414+33.57	414+43.51	RT	10.20			1.70			0.001						0.28										
FULL DEPTH ASPHALT	414+42.90	416+47.21	LT	204.31	16.47	3,364.20	373.80								103.83	62.30			6.73		15.57		18.17			
FULL DEPTH ASPHALT	414+42.92	416+47.21	RT	204.29	15.31	3,128.62	347.62			0.174					96.56	57.94			6.26		14.48		16.90			
TRAFFIC ISLAND	414+42.92	416+47.21	LT/RT	204.29	13.08	2,672.57	296.95			0.148								158.8							296.95	
TRUCK APRON FULL DEPTH ASPHALT	415+06.52	416+47.21	RT	140.69	5.80	815.66	117.79			0.059						18.90							90.63			
TRUCK APRON FULL DEPTH ASPHALT	416+33.09	416+47.21	LT	14.12	2.91	41.15	7.30			0.004						1.14							4.57			
+CURB, TYPE 6	414+42.92	416+47.21	LT	205.80			11.43			0.006						2.30										
+CURB, TYPE 6	414+42.92	416+47.21	RT	207.89			11.55			0.006						2.33										
+CURB AND GUTTER EDGE COURSE	414+42.92	414+99.24	LT	55.29			21.50			0.011						3.58										
+CURB AND GUTTER EDGE COURSE	414+42.92	414+99.79	RT	64.95			25.26			0.013						4.21										
+CURB AND GUTTER EDGE COURSE	415+06.54	416+33.09	LT	129.05			50.19			0.025						8.36										
+CURB, TYPE 9	415+06.54	416+47.21	RT	144.39			28.07			0.014						4.68										
+CURB, TYPE 9	416+34.51	416+47.21	LT	15.91			3.09			0.002						0.52										
+TRUCK APRON EDGE COURSE	415+06.52	416+47.21	RT	145.17			10.75			0.005						1.79										
+TRUCK APRON EDGE COURSE	416+33.09	416+47.21	LT	17.26			1.28			0.001						0.21										
FULL DEPTH ASPHALT	417+96.73	419+00.00	LT	103.27	17.57	1,814.38	201.60			0.101					56.00	33.60			3.63		8.40		9.80			
FULL DEPTH ASPHALT	417+96.73	419+00.00	RT	103.27	18.26	1,885.67	209.52			0.105					58.20	34.92			3.77		8.73		10.18			
TRUCK APRON FULL DEPTH ASPHALT	417+96.73	418+78.00	LT	81.27	2.52	204.44	38.40			0.019						5.98							22.72			
TRUCK APRON FULL DEPTH ASPHALT	417+96.73	418+26.91	RT	30.18	5.66	170.75	24.80			0.012						3.98							18.97			
TRAFFIC ISLAND	417+99.50	419+00.00	LT/RT	100.50	18.19	1,827.76	203.08			0.102								108.6							203.08	
+TRUCK APRON EDGE COURSE	417+96.73	418+78.00	LT	82.02			6.08			0.003						1.01										
+TRUCK APRON EDGE COURSE	417+96.73	418+26.91	RT	38.44			2.85			0.001						0.47										
+CURB, TYPE 9	417+96.73	418+78.00	LT	76.96			14.96			0.007						2.49										
+CURB, TYPE 9	417+96.73	418+26.91	RT	34.35			6.68			0.003						1.11										
+CURB, TYPE 6 EDGE COURSE	417+96.73	419+00.00	LT	102.60			5.70			0.003						1.15										
+CURB, TYPE 6 EDGE COURSE	417+96.73	419+00.00	RT	108.37			6.02			0.003						1.21										
+CURB AND GUTTER EDGE COURSE	418+25.86	419+00.00	RT	73.76			28.69			0.014						4.78										
+CURB AND GUTTER EDGE COURSE	418+77.77	419+00.00	LT	22.95			8.93			0.004						1.49										
<b>TOTALS CARRIED TO SUBSUMMARY</b>							3,332	92	92	2	275	753	1,249	167	645	471		268	58	19	132	48	172	137	501	

PAVEMENT SUBSUMMARY

DESIGN AGENCY  
**TRANSYSYSTEMS**  
 400 W. NATIONWIDE BLVD., STE 225  
 COLUMBUS, OHIO 43215

DESIGNER  
 TJA

REVIEWER  
 GHM 01/29/26

PROJECT ID  
 118055

SHEET TOTAL  
 P.070 | 298

PAVEMENT AREA	STATION RANGE		SIDE	DISTANCE (D) FT	AVERAGE WIDTH (W) FT	CADD GENERATED AREA SF	204	204	204	204	204	254	254	302	302	304	304	304	407	407	442	442	442	452	452	
	FROM	TO					SY	CY	CY	hour	SY	SY	SY	CY	CY	CY	CY	CY	CY	CY	CY	CY	GAL	GAL	CY	CY
	US-33 MAINLINE																									
FULL DEPTH ASPHALT	419+00.00	420+08.93	LT	108.93	14.81	1,613.10	179.23	59.74	59.74	0.090	179.23				49.79	29.87			3.23							
FULL DEPTH ASPHALT	419+00.00	420+08.93	RT	108.93	14.81	1,613.23	179.25	59.75	59.75	0.090	179.25				49.79	29.87			3.23							
TRAFFIC ISLAND	419+00.00	420+08.93	LT/RT	108.93	9.60	1,045.27	116.14	38.71	38.71	0.058	116.14															
+CURB, TYPE 6	419+00.00	420+08.93	LT	113.55				2.10	2.10	0.003	6.31															
+CURB, TYPE 6	419+00.00	420+08.93	RT	112.07				2.08	2.08	0.003	6.23															
+CURB AND GUTTER EDGE COURSE	419+00.00	419+29.10	RT	27.91			10.85	3.62	3.62	0.005	10.85															
+CURB AND GUTTER EDGE COURSE	419+00.00	419+58.11	LT	60.85			23.66	7.89	7.89	0.012	23.66															
+CURB AND GUTTER EDGE COURSE	419+36.38	420+08.93	RT	71.36			27.75	9.25	9.25	0.014	27.75															
+CURB AND GUTTER EDGE COURSE	419+64.75	420+08.93	LT	44.33			17.24	5.75	5.75	0.009	17.24															
<b>TOTALS CARRIED TO SUBSUMMARY</b>							555	189	189	1	567				100	76			63	7			15	18		

**PAVEMENT SUBSUMMARY**

DESIGN AGENCY	
<b>TRANSYSTEMS</b> 400 W. NATIONWIDE BLVD., STE 225 COLUMBUS, OHIO 43215	
DESIGNER	TJA
REVIEWER	GHM 01/29/26
PROJECT ID	118055
SHEET TOTAL	P.071   298

PAVEMENT AREA	STATION RANGE		SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	CADD GENERATED AREA	204	204	204	204	204	254	254	302	302	302	304	407	407	442	442			
	FROM	TO					SY	CY	CY	hour	SY	SY	SY	SY	CY	CY	CY	CY	GAL	GAL	CY	CY		
US-33 MAINLINE																								
FULL DEPTH ASPHALT	420+08.93	421+00.00	LT/RT	91.07	55.07	5015.05	557.23	185.74	185.74	0.279	557.23					154.79	92.87	10.03		23.22	27.09			
+EDGE COURSE	420+08.93	421+00.00	LT	91.18			15.20	5.07	5.07	0.008	15.20					1.64	2.25	0.18						
+EDGE COURSE	420+08.93	421+00.00	RT	92.25			15.38	5.13	5.13	0.008	15.38					1.66	2.28	0.18						
FULL DEPTH ASPHALT	421+00.00	423+00.00	LT/RT	200.00	56.94	11388.07	1265.34			0.633						351.48	210.89	22.78		52.72	61.51			
+EDGE COURSE	421+00.00	423+00.00	LT	198.71			33.12			0.017						3.58	4.91	0.40						
+EDGE COURSE	421+00.00	423+00.00	RT	201.27			33.54			0.017						3.62	4.97	0.40						
FULL DEPTH ASPHALT	423+00.00	426+50.00	LT	350.00	21.97	7689.84	854.43			0.427						237.34	142.40	15.38		35.60	41.53			
FULL DEPTH ASPHALT	423+00.00	426+28.46	RT	328.46	12.68	4165.98	462.89			0.231						128.58	77.15	8.33		19.29	22.50			
RESURFACING	423+00.00	426+20.13	LT/RT	320.13	22.13	7084.42						787.16	87.46					14.17	7.08	32.80	38.26			
RESURFACING	426+28.46	426+50.00	LT/RT	21.54	32.09	691.13						76.79	8.53					1.38	0.69	3.20	3.73			
+EDGE COURSE	423+00.00	426+50.00	LT	347.95			57.99			0.029						6.26	8.59	0.70						
+EDGE COURSE	423+00.00	426+24.78	RT	328.25			54.71			0.027						5.91	8.10	0.66						
EX US-33 EB																								
RESURFACING	7+49.18	16+43.67	LT/RT	894.49	52.02	46533.45						5170.38	398.41					93.07	46.53	215.43	251.34			
8" BASE COURSE	12+50.00	16+00.00	LT	350.00	22.00	7834.56																		
+EDGE COURSE	7+49.18	7+66.26	LT	31.26								1.16	0.13					0.06						
+EDGE COURSE	7+98.90	16+43.67	RT	790.12								29.26	3.25					1.58						
+EDGE COURSE	8+56.41	16+43.67	LT	844.00								31.26	3.47					1.69						
CEMETERY RD																								
RESURFACING	264+98.98	265+94.99	LT/RT	96.01	27.89	2677.98						297.55	33.06					5.36	2.68	12.40	14.46			
+EDGE COURSE	264+98.98	265+79.94	LT	92.79								3.44	0.38					0.19						
+EDGE COURSE	264+98.98	265+94.99	RT	115.28								4.27	0.47					0.23						
RESURFACING	266+66.26	267+50.00	LT/RT	83.74	33.62	2815.08						312.79	34.75					5.63	2.82	13.03	15.20			
+EDGE COURSE	266+66.26	267+50.00	LT	73.63								2.73	0.30					0.15						
+EDGE COURSE	266+66.26	267+50.00	RT	96.75								3.58	0.40					0.19						
RAMP A																								
FULL DEPTH ASPHALT	3+40.05	15+60.39	LT	1220.34	7.09	8653.30	961.48			0.481						213.66		160.25	17.31		40.06	46.74		
FULL DEPTH ASPHALT	3+40.05	15+60.39	RT	1220.34	7.51	9161.42	1017.94			0.509						226.21		169.66	18.32		42.41	49.48		
RESURFACING	3+40.05	11+00.63	LT/RT	760.58	12.25	9313.75						1034.86	114.98					18.63	9.31	43.12	50.31			
RESURFACING	11+10.70	15+60.39	LT/RT	449.69	17.24	7754.13						861.57	95.73					15.51	7.75	35.90	41.88			
+EDGE COURSE	3+40.05	15+60.39	LT	1221.37			203.56			0.102						21.99	30.16	2.44						
+EDGE COURSE	3+40.05	11+17.75	RT	777.50			129.58			0.065						14.00	19.20	1.56						
+EDGE COURSE	12+02.71	15+60.39	RT	357.68			59.61			0.030						6.44	8.83	0.72						
FULL DEPTH ASPHALT	15+60.39	16+78.44	LT	118.05	6.89	813.66	90.41			0.045						20.09		15.07	1.63		3.77	4.39		
FULL DEPTH ASPHALT	15+60.39	16+78.44	RT	118.05	13.74	1622.24	180.25			0.090						40.06		30.04	3.24		7.51	8.76		
RESURFACING	15+60.39	16+78.44	LT/RT	118.05	18.00	2124.94						236.10	26.23					4.25	2.12	9.84	11.48			
+EDGE COURSE	15+60.39	16+78.44	LT	118.04			19.67			0.010						2.13	2.91	0.24						
+EDGE COURSE	15+60.39	16+78.44	RT	118.16			19.69			0.010						2.13	2.92	0.24						
RAMP C																								
FULL DEPTH ASPHALT	54+50.80	57+02.62	LT/RT	251.82	28.14	7086.93	787.44			0.394						174.99		131.24	14.17		32.81	38.28		
+EDGE COURSE	54+50.80	57+02.62	LT	256.67			42.78			0.021						4.62	6.34	0.51						
+EDGE COURSE	54+50.80	57+02.62	RT	249.86			41.64			0.021						4.50	6.17	0.50						
RAMP G																								
FULL DEPTH ASPHALT	2+71.00	3+39.23	LT/RT	68.23	35.07	2393.09	265.90			0.133						59.09		44.32	4.79		11.08	12.93		
+EDGE COURSE	2+71.00	3+39.23	LT	84.99			14.16			0.007						1.53	2.10	0.17						
+EDGE COURSE	2+71.00	3+39.23	RT	80.30			13.38			0.007						1.45	1.98	0.16						
<b>TOTALS CARRIED TO SUBSUMMARY</b>							7,198	196	196	4	588			8,853	808	928	954	1,186	288	79	635	740		

PAVEMENT SUBSUMMARY

DESIGN AGENCY  
**TRANSYSYSTEMS**  
 400 W. NATIONWIDE BLVD., STE 225  
 COLUMBUS, OHIO 43215

DESIGNER  
 TJA

REVIEWER  
 GHM 01/29/26

PROJECT ID  
 118055

SHEET TOTAL  
 P.072 | 298

PAVEMENT AREA	STATION RANGE		SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	CADD GENERATED AREA	204	204	302	302	304	304	304	407	407	441	441	442	442	442	452	452
	FROM	TO					SY	HOUR	CY	CY	CY	CY	CY	CY	GAL	GAL	CY	CY	CY	CY	CY	CY
COMMERCIAL DRIVE																						
FULL DEPTH ASPHALT	0+13.43	1+73.49	LT/RT	160.06	25.29	4047.73	449.75		62.47							15.62	21.86					
+EDGE COURSE	0+13.43	1+73.49	LT	171.10			28.52		0.88													
+EDGE COURSE	0+13.43	1+73.49	RT	172.73			28.79		0.89													
REF SL																						
FULL DEPTH ASPHALT	140+00.00	142+36.21	LT/RT	236.21	28.41	6709.79	745.53	0.373		207.09	124.26							31.06			36.24	
TRAFFIC ISLAND	140+00.00	142+36.21	RT	236.21	5.05	1193.54	132.62	0.066						70.9								132.62
+EDGE COURSE	140+00.00	142+36.21	LT	213.48			35.58	0.018		3.84	5.27				0.43							
+EDGE COURSE	140+00.00	140+02.42	RT	5.85			0.97	0.000		0.11	0.14				0.01							
+CURB, TYPE 6	140+07.46	142+36.21	RT	241.10			40.18	0.020			2.23											
FULL DEPTH ASPHALT	142+36.21	143+87.33	LT/RT	151.12	18.60	2810.34	312.26	0.156		86.74	52.04									13.01	15.18	
TRAFFIC ISLAND	142+36.21	143+87.33	RT	151.12	15.34	2317.62	257.51	0.129						137.7								257.51
TRUCK APRON FULL DEPTH ASPHALT	143+44.56	143+87.33	LT	42.77	4.47	191.32	29.51	0.015			4.70											21.26
+CURB, TYPE 6	142+36.21	143+87.33	RT	153.63			25.60	0.013			1.42											
+CURB AND GUTTER EDGE COURSE	142+36.21	143+01.27	LT	62.23			24.20	0.012			4.03											
+CURB AND GUTTER EDGE COURSE	143+08.63	143+87.33	LT	34.3			13.36	0.007			2.23											
+TRUCK APRON EDGE COURSE	143+44.56	143+87.33	LT	42.60			3.16	0.002			0.53											
+CURB, TYPE 9 EDGE COURSE	143+44.56	143+87.33	LT	40.93			7.96	0.004			1.33											
REF SR																						
FULL DEPTH ASPHALT	150+00.00	152+60.92	LT/RT	260.92	29.08	7586.86	842.98	0.421		234.16	140.50				15.17			35.12			40.98	
+EDGE COURSE	150+00.00	150+11.50	LT	19.77			3.30	0.002		0.36	0.49				0.04							
+EDGE COURSE	150+00.00	152+60.92	RT	278.85			46.48	0.023		5.02	6.89				0.56							
+CURB, TYPE 6	150+13.37	152+60.92	LT	245.37			40.90	0.020			2.27											
FULL DEPTH ASPHALT	150+00.00	152+60.92	LT/RT	260.92	10.68	2787.71	309.75	0.155		86.04	51.62				5.58					12.91	15.06	
TRUCK APRON FULL DEPTH ASPHALT	143+44.56	143+87.33	RT	42.77	10.00	427.90	55.80	0.028			9.08											47.54
+CURB, TYPE 6	142+36.21	143+87.33	LT	153.4			25.56	0.013			1.42											
+CURB AND GUTTER EDGE COURSE	142+36.21	143+01.27	RT	71.12			27.66	0.014			4.61											
+CURB, TYPE 9 EDGE COURSE	143+44.56	143+87.33	RT	65.60			12.76	0.006			2.13											
+TRUCK APRON EDGE COURSE	143+44.56	143+87.33	RT	64.17			4.75	0.002			0.79											
REF CC																						
FULL DEPTH ASPHALT	0+00.00	4+71.24	LT/RT	471.24	21.38	10074.92	1119.44	0.560		310.95	186.57				20.15					46.64	54.42	
TRUCK APRON FULL DEPTH ASPHALT	0+00.00	4+71.24	LT	471.24	9.66	4551.39	596.69	0.298			97.01											505.71
TRUCK APRON FULL DEPTH ASPHALT	0+73.62	1+14.91	RT	41.29	7.61	314.38	42.90	0.021			6.94											34.93
TRUCK APRON FULL DEPTH ASPHALT	1+85.07	2+37.75	RT	52.68	9.50	500.65	65.80	0.033			10.69											55.63
TRUCK APRON FULL DEPTH ASPHALT	3+24.42	4+58.61	RT	134.19	2.73	366.44	66.62	0.033			10.41											40.72
+CURB, TYPE 9 EDGE COURSE	0+00.00	4+71.24	LT	351.86			68.42	0.034			11.40											
+CURB, TYPE 4A EDGE COURSE	0+00.00	4+71.24	LT	244.94			40.82	0.020			6.80											
+CURB, TYPE 6 EDGE COURSE	0+09.75	0+47.14	RT	40.40			6.73	0.003			0.37											
+CURB, TYPE 9 EDGE COURSE	0+70.16	1+16.83	RT	57.20			11.12	0.006			1.85											
+TRUCK APRON EDGE COURSE	0+76.27	1+13.46	RT	48.54			3.60	0.002			0.60											
+CURB, TYPE 6 EDGE COURSE	1+33.65	1+68.45	RT	36.44			6.07	0.003			0.34											
+CURB, TYPE 9 EDGE COURSE	1+82.55	2+40.72	RT	69.37			13.49	0.007			2.25											
+TRUCK APRON EDGE COURSE	1+87.06	2+35.46	RT	61.75			4.57	0.002			0.76											
+CURB, TYPE 6 EDGE COURSE	2+61.68	2+98.98	RT	38.67			6.45	0.003			0.36											
+CURB, TYPE 9 EDGE COURSE	3+23.24	4+60.15	RT	147.73			28.72	0.014			4.79											
+TRUCK APRON EDGE COURSE	3+25.57	4+57.67	RT	145.92			10.81	0.005			1.80											
<b>TOTALS CARRIED TO SUBSUMMARY</b>							5,598	3	65	935	761	108	209	61		16	22	67	73	162	706	391

**PAVEMENT SUBSUMMARY**

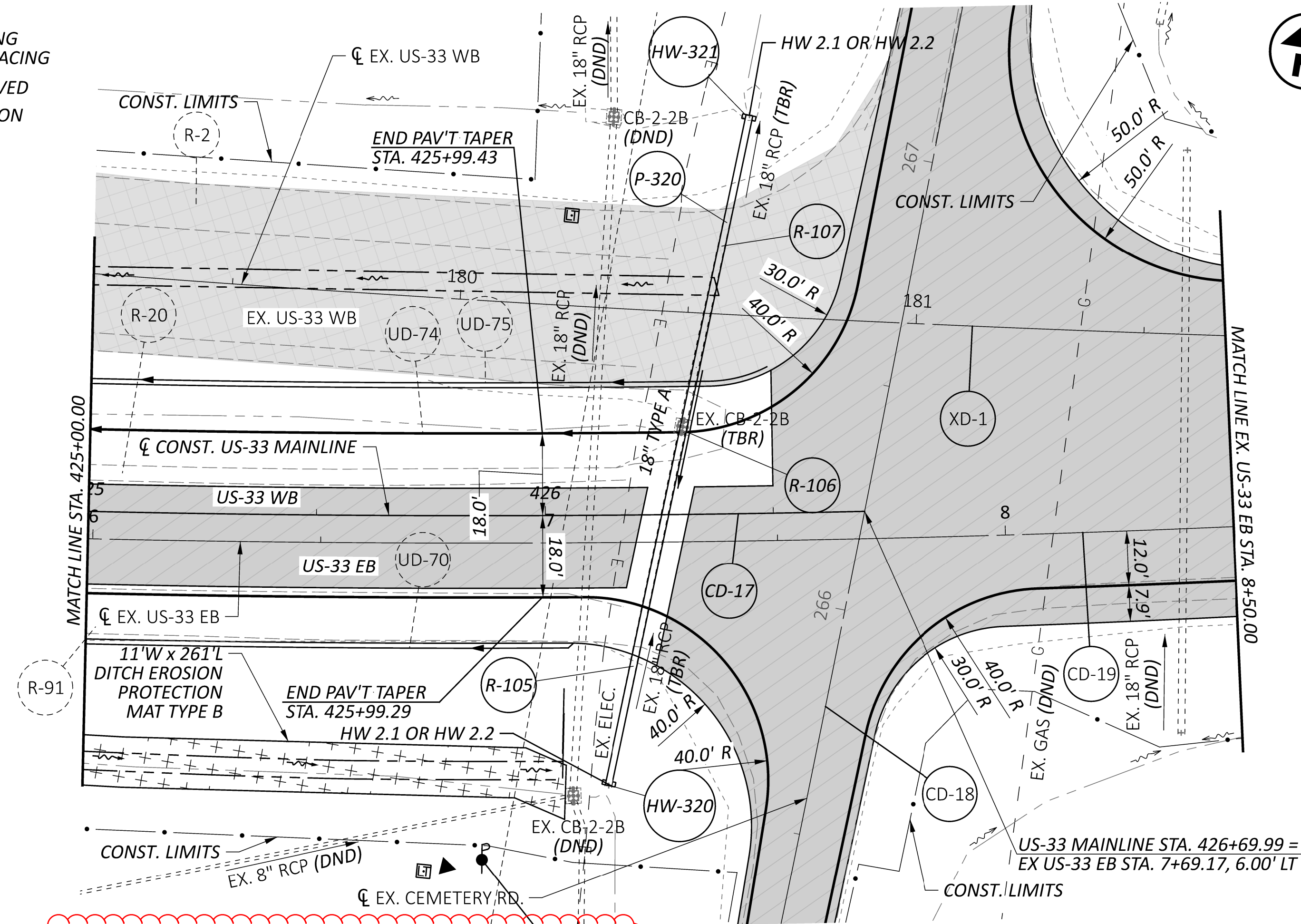
DESIGN AGENCY	<b>TRANSYSTEMS</b> 400 W. NATIONWIDE BLVD., STE 225 COLUMBUS, OHIO 43215
DESIGNER	TJA
REVIEWER	GHM 01/29/26
PROJECT ID	118055
SHEET TOTAL	P.073   298

PAVEMENT ESTIMATED QUANTITIES SHEET NO.	204	204	204	204	204	254	254	302	302	302	302	304	304	304	304	407	407	441	441	442	442	442	452	452
	SUBGRADE COMPACTION SY	EXCAVATION OF SUBGRADE CY	GRANULAR MATERIAL, TYPE B CY	PROOF ROLLING HOUR	GEOTEXTILE FABRIC SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5" SY	PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH VARIES) SY	ASPHALT CONCRETE BASE, PG64-22 (449) (4") CY	ASPHALT CONCRETE BASE, PG64-22 (449) (5") CY	ASPHALT CONCRETE BASE, PG64-22 (449) (8") CY	ASPHALT CONCRETE BASE, PG64-22 (449) (10") CY	AGGREGATE BASE (6") CY	AGGREGATE BASE (8") CY		AGGREGATE BASE (19.25") CY	NON-TRACKING TACK COAT (@0.06 GAL/SY) GAL	NON-TRACKING TACK COAT (@0.09 GAL/SY) GAL	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS) CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), (DRIVEWAYS) CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), PG-70-22M CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN, PG76-22M CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448), PG64-28 CY	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN SY	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN SY
P.069	9532	139	139	5	437	245	4976	435		103	2411	1580				231	47			586		672		
P.070	3332	92	92	2	275	753	1249	167			645	471			268	58	19			132	48	172	137	501
P.071	555	189	189	1	567						100	76			63	7					15	18		
P.072	7198	196	196	4	588		8853	808		928	954	1186				288	79			635		740		
P.073	5598			3					65		935	761	108		209	61		16	22	67	73	162	706	391
<b>TOTALS CARRIED TO THE GENERAL SUMMARY</b>	26,215	616	616	15	1,867	998	15,078		7,551				4,722			790		16	22	1,420	136	1,764	843	892

**PAVEMENT SUBSUMMARY**

DESIGN AGENCY	
<b>TRANSYSTEMS</b> 400 W. NATIONWIDE BLVD., STE 225 COLUMBUS, OHIO 43215	
DESIGNER	TJA
REVIEWER	GHM 01/29/26
PROJECT ID	118055
SHEET TOTAL	P.074   298

- LEGEND**
- PAV'T PLANING AND RESURFACING
  - PAV'T REMOVED
  - DITCH EROSION PROTECTION



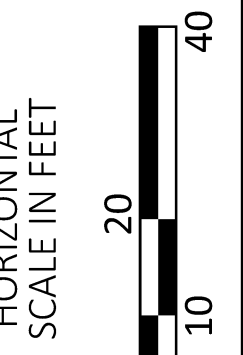
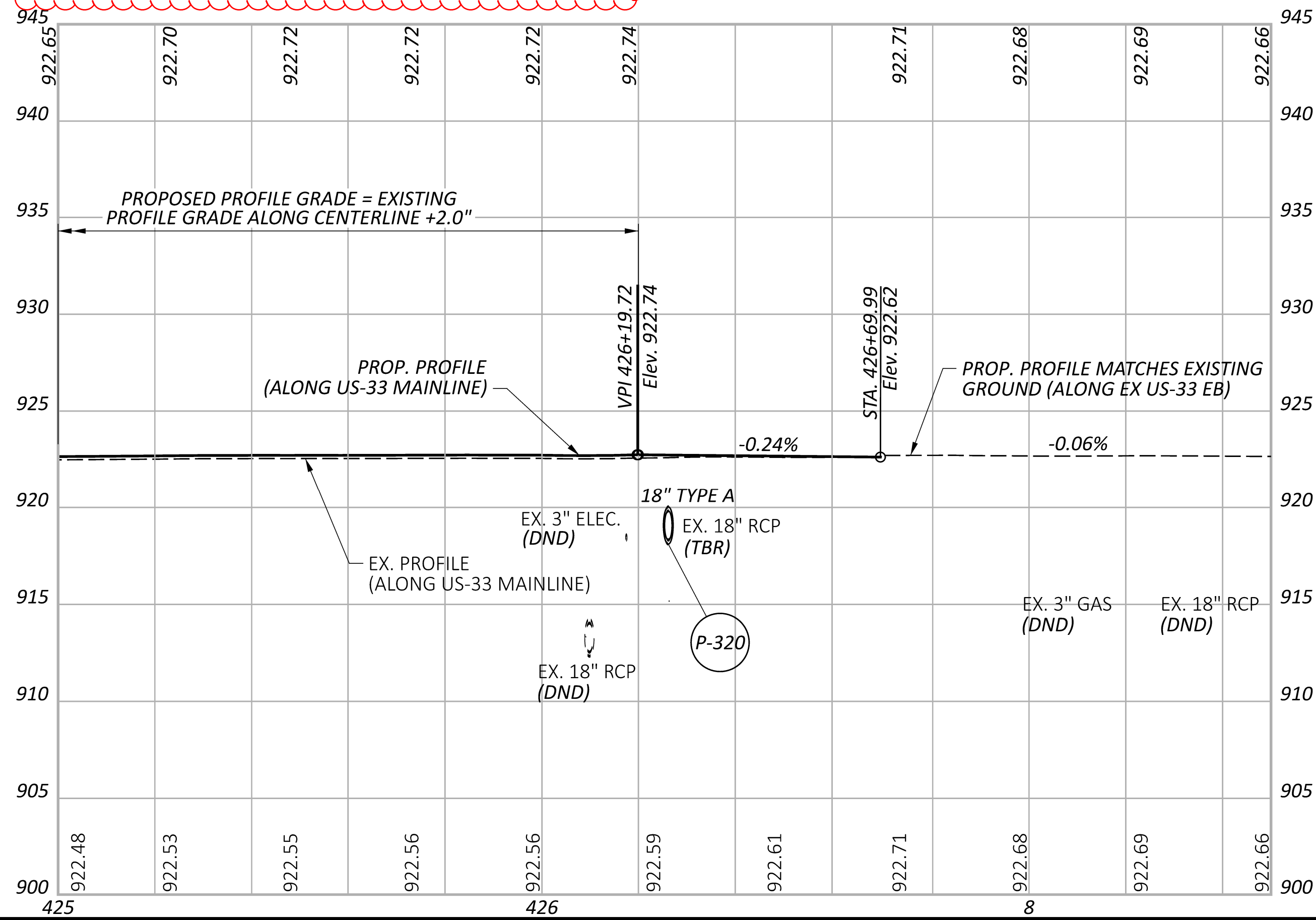
**CURVE DATA**  
 P.I. = STA. 170+65.68  
 $\Delta = 23^{\circ}39'00''$  LT  
 $Dc = 01^{\circ}00'00''$   
 $R = 5,729.58'$   
 $T = 1,199.58'$   
 $L = 2,365.00'$   
 $E = 124.23'$   
 $e_{MAX} = NC$   
 $PC = STA. 158+66.10$   
 $PT = STA. 182+31.10$

**US-33 MAINLINE**  
**CURVE DATA CD-17**  
 P.I. = STA. 423+99.29  
 $\Delta = 08^{\circ}08'54''$  LT  
 $Dc = 01^{\circ}30'09''$   
 $R = 3,813.45'$   
 $T = 271.62'$   
 $L = 542.33'$   
 $E = 9.66'$   
 $e_{MAX} = 0.037$   
 $PC = STA. 421+27.67$   
 $POT = STA. 426+69.99$

**CEMETERY RD**  
**CURVE DATA CD-18**  
 P.I. = STA. 264+29.33  
 $\Delta = 02^{\circ}22'30''$  LT  
 $Dc = 00^{\circ}30'00''$   
 $R = 11,459.16'$   
 $T = 237.53'$   
 $L = 475.00'$   
 $E = 2.46'$   
 $e_{MAX} = NC$   
 $PC = STA. 261+91.80$   
 $PT = STA. 266+66.80$

**RAMP Y**  
**CURVE DATA CD-19**  
 P.I. = STA. 4+35.20  
 $\Delta = 13^{\circ}00'03''$  LT  
 $Dc = 01^{\circ}30'00''$   
 $R = 3,819.45'$   
 $T = 435.20'$   
 $L = 866.66'$   
 $E = 24.71'$   
 $e_{MAX} = 0.016$  (NDC -0.037)  
 $POT = STA. 0+00.00$   
 $PT = STA. 8+66.66$

**NOTE:**  
 CITY OF WAPAKONETA HAS A 15KV UNDERGROUND FEEDER MAIN, CONTRACTOR SHALL USE CAUTION WHEN WORKING AROUND.



**PLAN AND PROFILE - US 33 MAINLINE**  
**STA. 425+00 TO EX. 33 EB STA. 8+50**

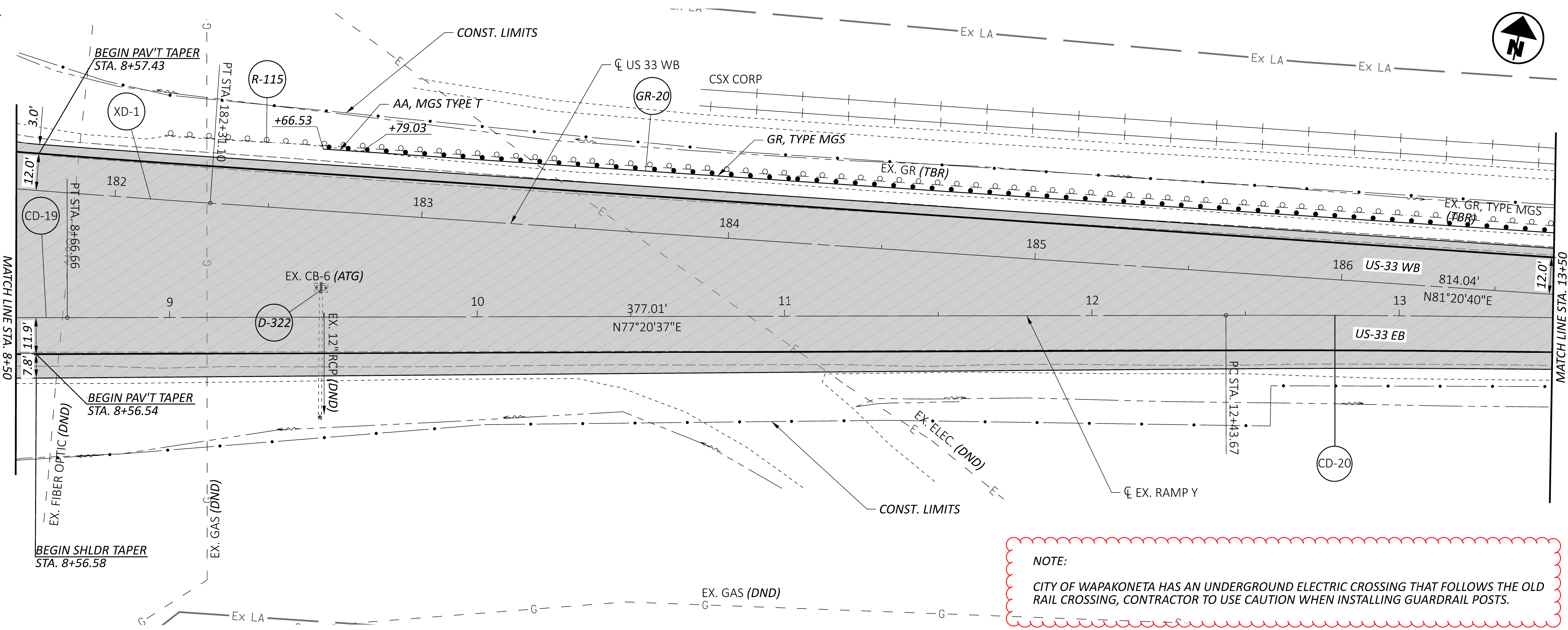
DESIGN AGENCY	
<b>TRANSYSTEMS</b> 400 W. NATIONWIDE BLDG., STE 225 COLUMBUS, OHIO 43215	
DESIGNER	RJG
REVIEWER	
PROJECT ID	GHM 01/29/26
SHEET	118055
TOTAL	P.088 / 298

**LEGEND**  
 PAV'T PLANING AND RESURFACING

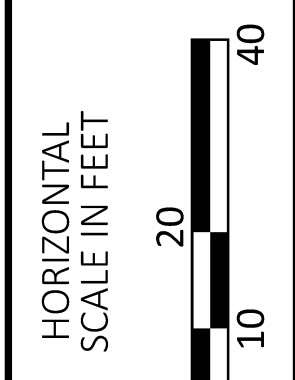
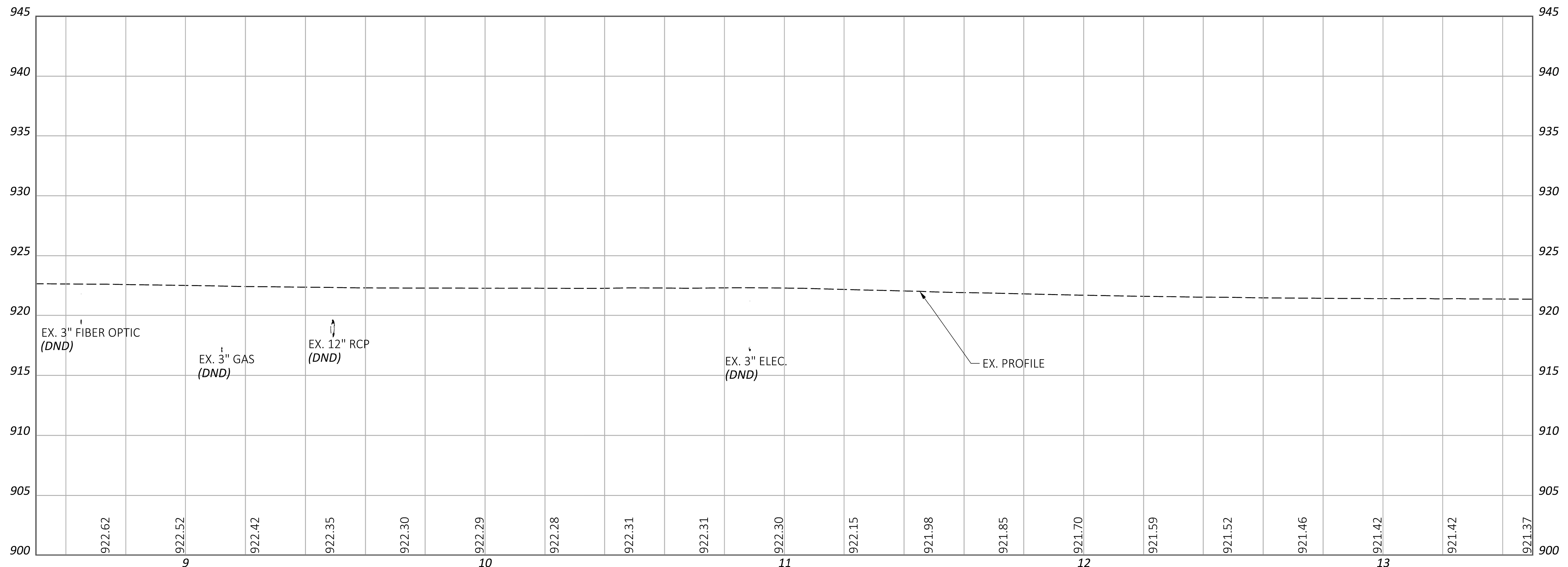
**RAMP Y (US-33 EASTBOUND)**  
 CURVE DATA CD-19  
 P.I. = STA. 4+35.20  
 $\Delta = 13^{\circ}00'03''$  LT  
 $D_c = 01^{\circ}30'00''$   
 $R = 3,819.45'$   
 $T = 435.20'$   
 $L = 866.66'$   
 $E = 24.71'$   
 $e_{MAX} = 0.037$   
 POT = STA. 0+00.00  
 PT = STA. 8+66.66

**RAMP Y (US-33 EASTBOUND)**  
 CURVE DATA CD-20  
 P.I. = STA. 14+43.75  
 $\Delta = 04^{\circ}00'03''$  RT  
 $D_c = 01^{\circ}00'01''$   
 $R = 5,728.33'$   
 $T = 200.08'$   
 $L = 400'$   
 $E = 3.49'$   
 $e_{MAX} = 0.022$  (NDC 0.027)  
 PC = STA. 12+43.67  
 POT = STA. 16+43.67

**US-33 WESTBOUND**  
 CURVE DATA XD-1  
 P.I. = STA. 170+65.68  
 $\Delta = 23^{\circ}39'00''$  LT  
 $D_c = 01^{\circ}00'00''$   
 $R = 5,729.58'$   
 $T = 1,199.58'$   
 $L = 2,365.00'$   
 $E = 124.23'$   
 $e_{MAX} = NC$   
 PC = STA. 158+66.10  
 PT = STA. 182+31.10



**NOTE:**  
 CITY OF WAPAKONETA HAS AN UNDERGROUND ELECTRIC CROSSING THAT FOLLOWS THE OLD RAIL CROSSING, CONTRACTOR TO USE CAUTION WHEN INSTALLING GUARDRAIL POSTS.



**PLAN AND PROFILE - US 33 EB**  
**STA. 8+50 TO STA. 13+50**

DESIGN AGENCY	
<b>TRANSYSTEMS</b> 400 W. NATIONWIDE BLDG., STE 225 COLUMBUS, OHIO 43215	
DESIGNER	
RJG	
REVIEWER	
GHM 01/29/26	
PROJECT ID	
118055	
SHEET	TOTAL
P.089	298