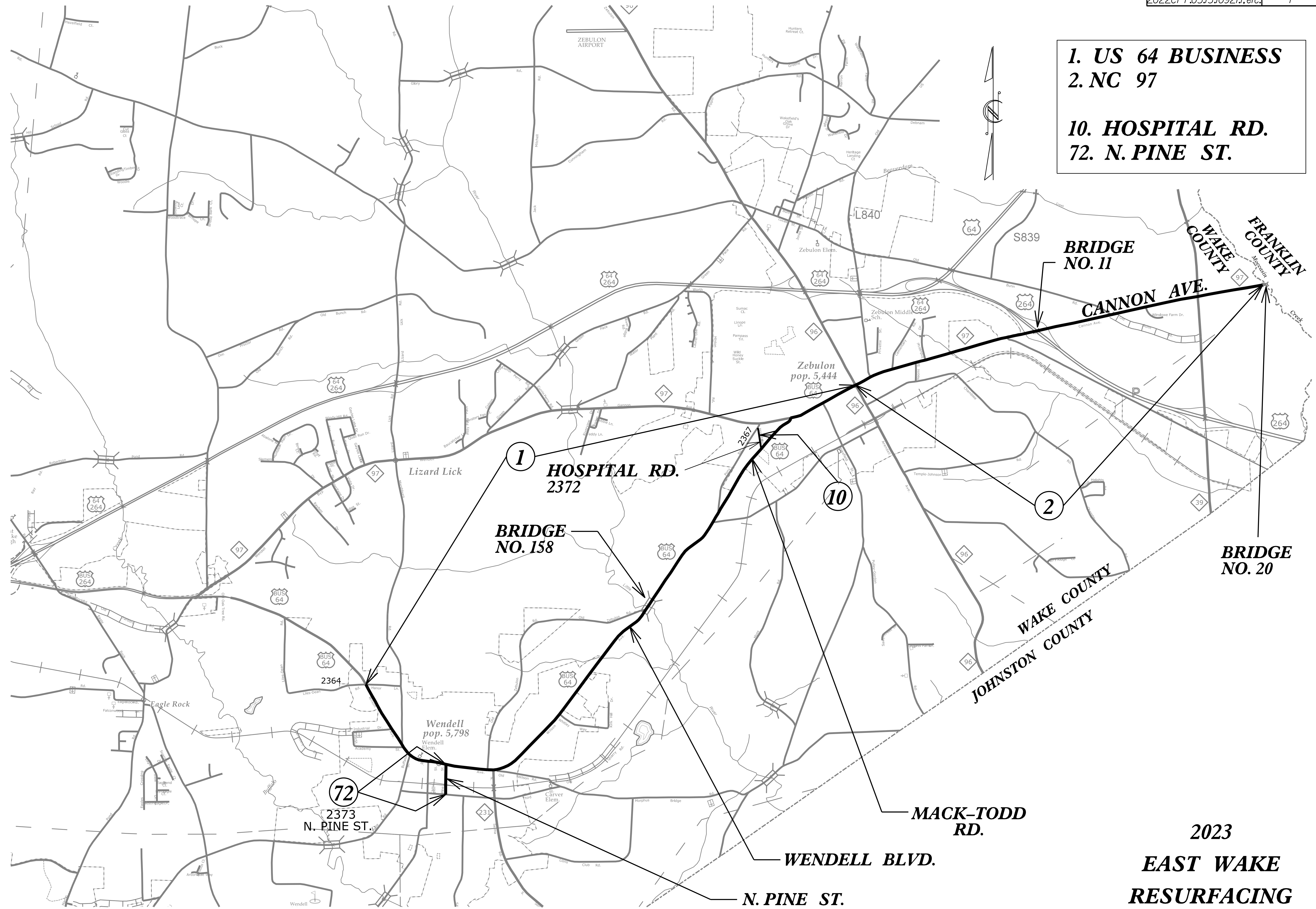


- 1. US 64 BUSINESS**
- 2. NC 97**

- 10. HOSPITAL RD.**
- 72. N. PINE ST.**

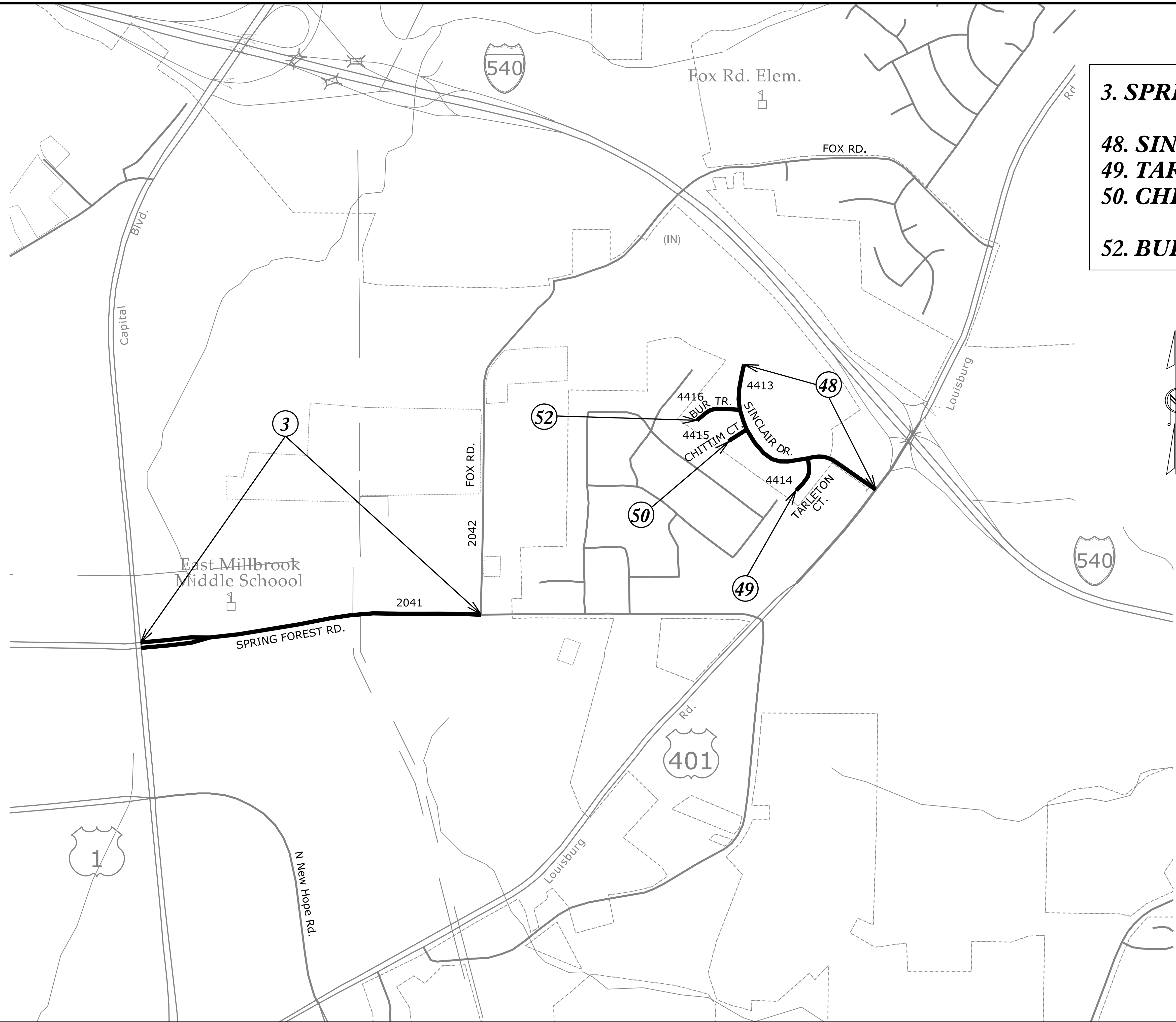


2023
EAST WAKE
RESURFACING

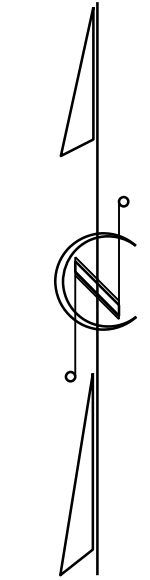
8/17/99

REVISIONS

9/13/2021
2022CPT.05.13.109211, etc., TSH 02 .dgn
JSE/RSK/medh



- 3. SPRING FOREST RD.**
- 48. SINCLAIR DR.**
- 49. TARLETON CT.**
- 50. CHITTIM CT.**
- 52. BUR TR.**

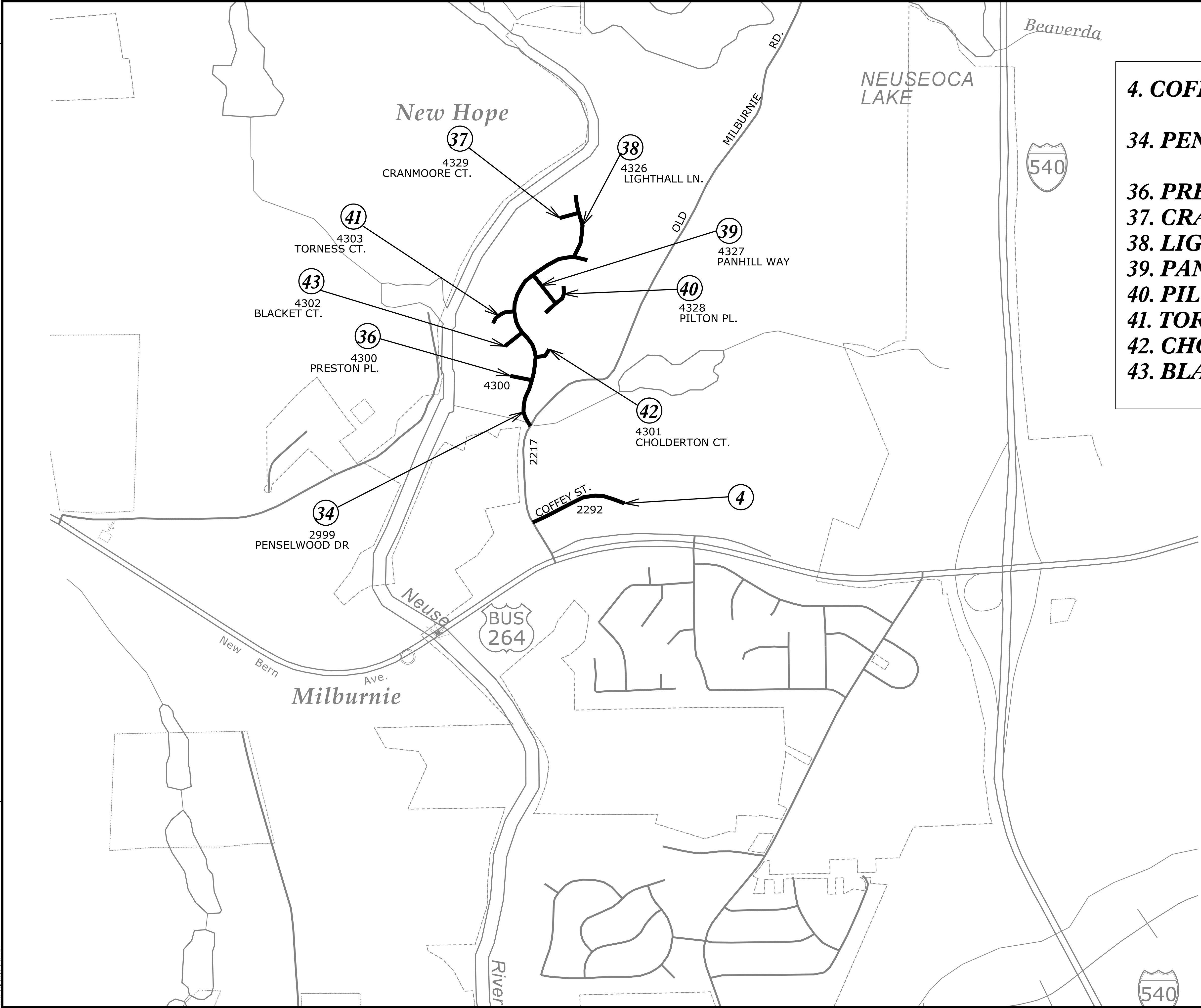


**2023
EAST WAKE
RESURFACING**

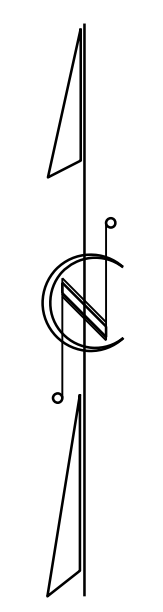
8/17/99

REVISIONS

9/13/2021
 2022CPT.05.13.109211, etc., TSH 03 .dgn
 JSH



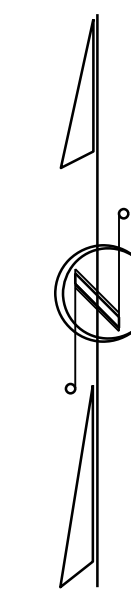
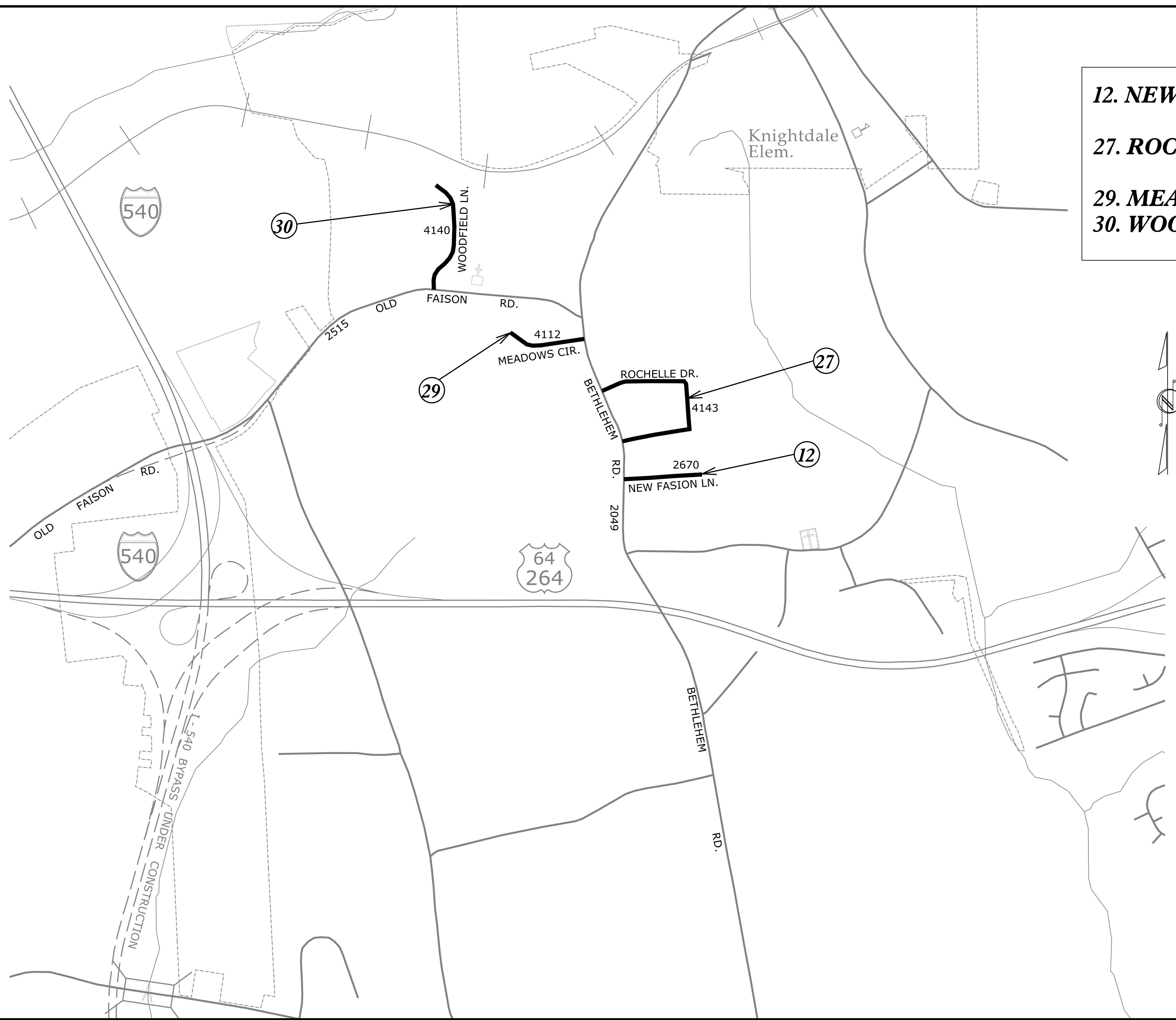
- 4. COFFEY ST.**
- 34. PENSELWOOD DR.**
- 36. PRESTON PL.**
- 37. CRANMOORE CT.**
- 38. LIGHTHALL LN.**
- 39. PANHILL WAY**
- 40. PILTON PL.**
- 41. TORNESS CT.**
- 42. CHOLDERTON CT.**
- 43. BLACKET CT.**



**2023
 EAST WAKE
 RESURFACING**



- 12. NEW FAISON LN.**
- 27. ROCHELLE DR.**
- 29. MEADOWS CIR.**
- 30. WOODFIELD LN.**



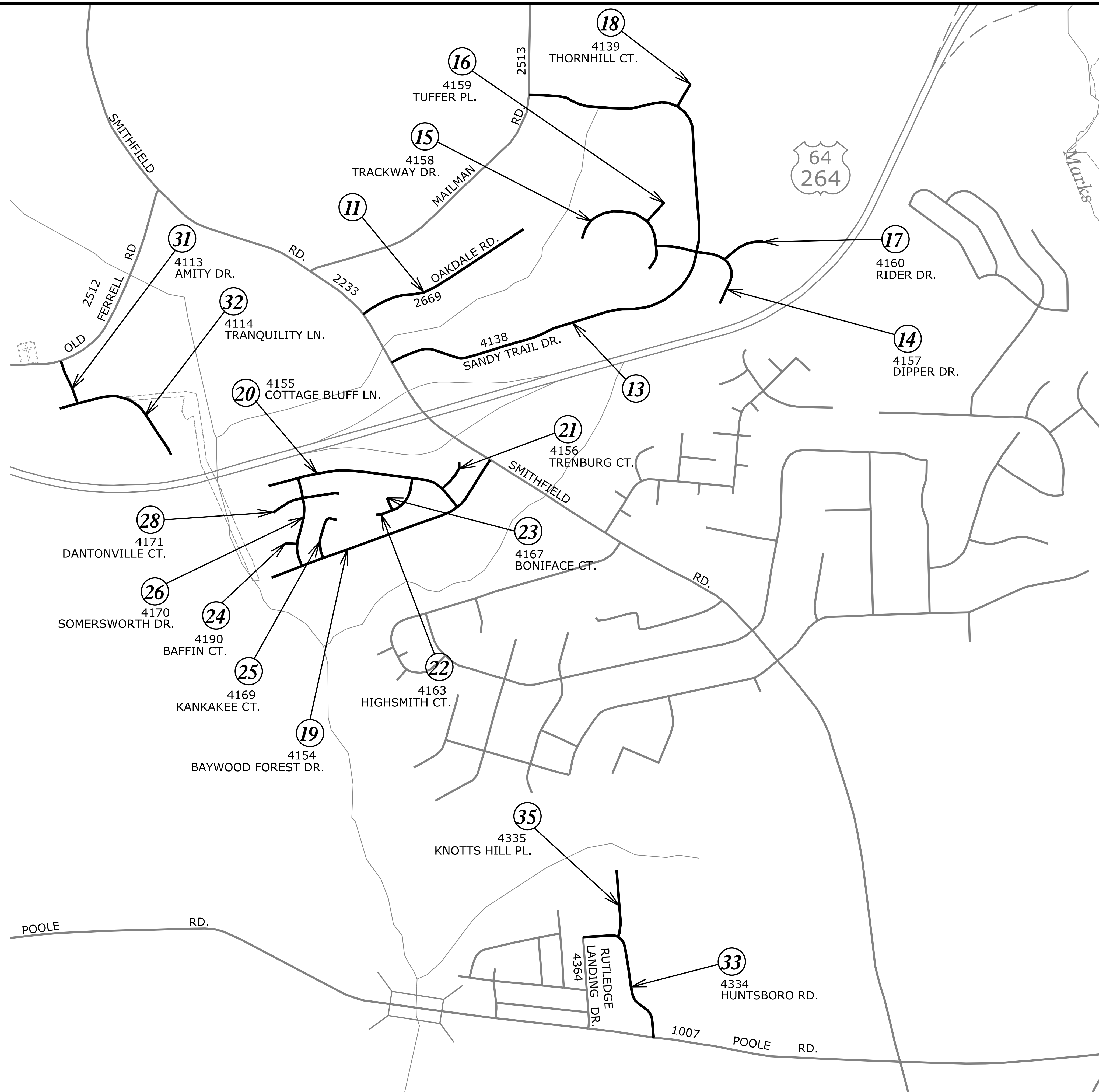
**2023
EAST WAKE
RESURFACING**

REVISIONS

8/17/99
9/13/2021
2022CPT.0513109211, etc., TSH 04 .dgn
JSE/ksk

8/17/99

REVISIONS



- 11. OAKDALE RD.**
- 13. SANDY TRAIL DR.**
- 14. DIPPER DR.**
- 15. TRACKWAY DR.**
- 16. TUFFER PL.**
- 17. RIDER DR.**
- 18. THORNHILL CT.**
- 19. BAYWOOD FOREST DR.**
- 20. COTTAGE BLUFF LN.**
- 21. TRENBURG CT.**
- 22. HIGHSMITH CT.**
- 23. BONIFACE CT.**
- 24. BAFFIN CT.**
- 25. KANKAKEE CT.**
- 26. SOMERSWORTH DR.**

- 28. DANTONVILLE CT.**

- 31. AMITY DR.**
- 32. TRANQUILITY LN.**
- 33. HUNTSBORO RD.**

- 35. KNOTTS HILL PL.**



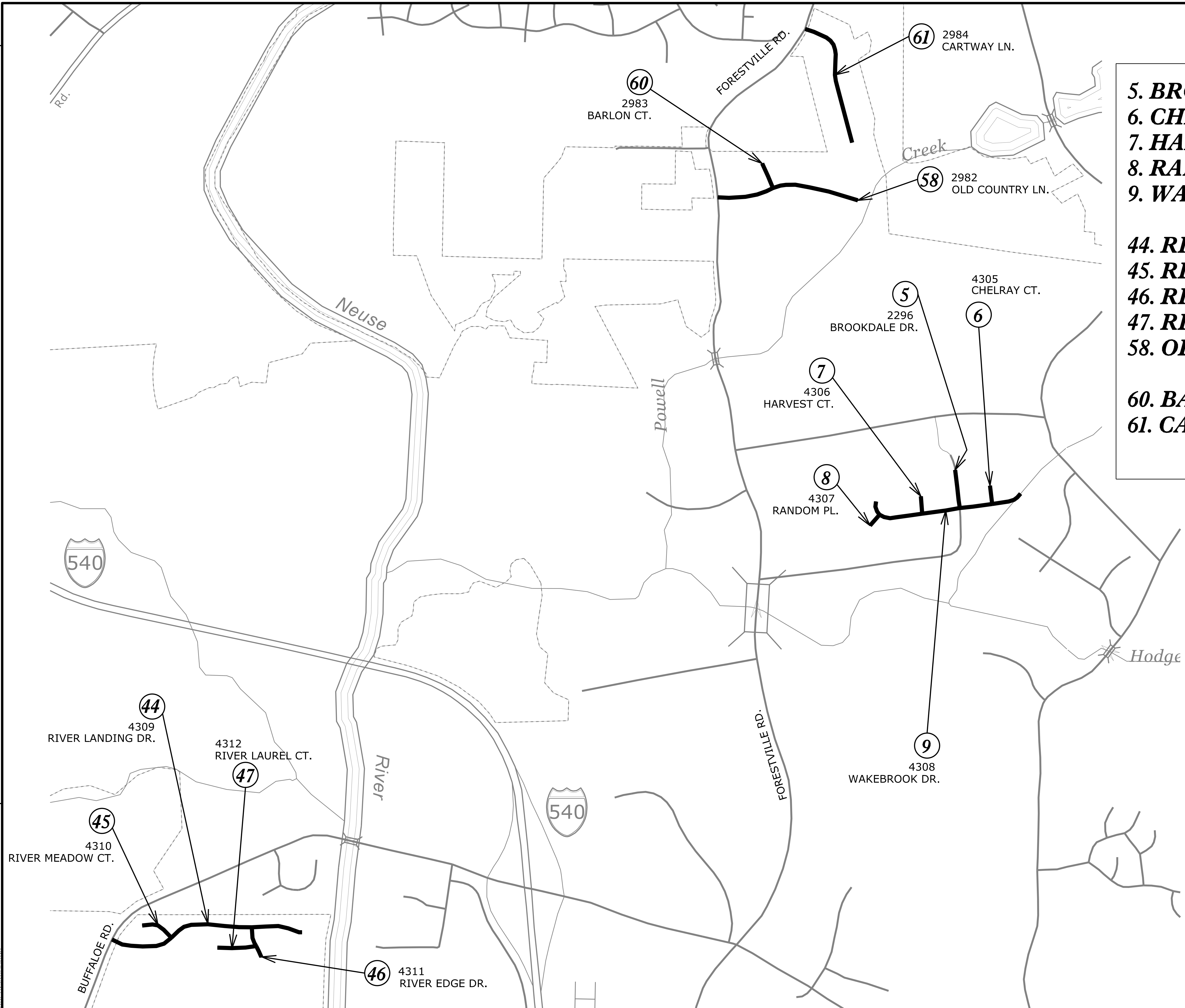
2023
EAST WAKE
RESURFACING

11/1/2021
11:53:20 2022CPT.0513109211, etc., TSH 05 .dgn
JSE:frskenned

8/17/99

REVISIONS

11/1/2021
 2022CPT.05.13.109211, etc. TSH 06 .dgn
 JSE/Prskennedh



- 5. BROOKDALE DR.**
- 6. CHELRAY CT.**
- 7. HARVEST CT.**
- 8. RANDOM PL.**
- 9. WAKEBROOK DR.**

- 44. RIVER LAUREL CT.**
- 45. RIVER MEADOW CT.**
- 46. RIVER EDGE DR.**
- 47. RIVER LANDING DR.**
- 58. OLD COUNTRY LN.**

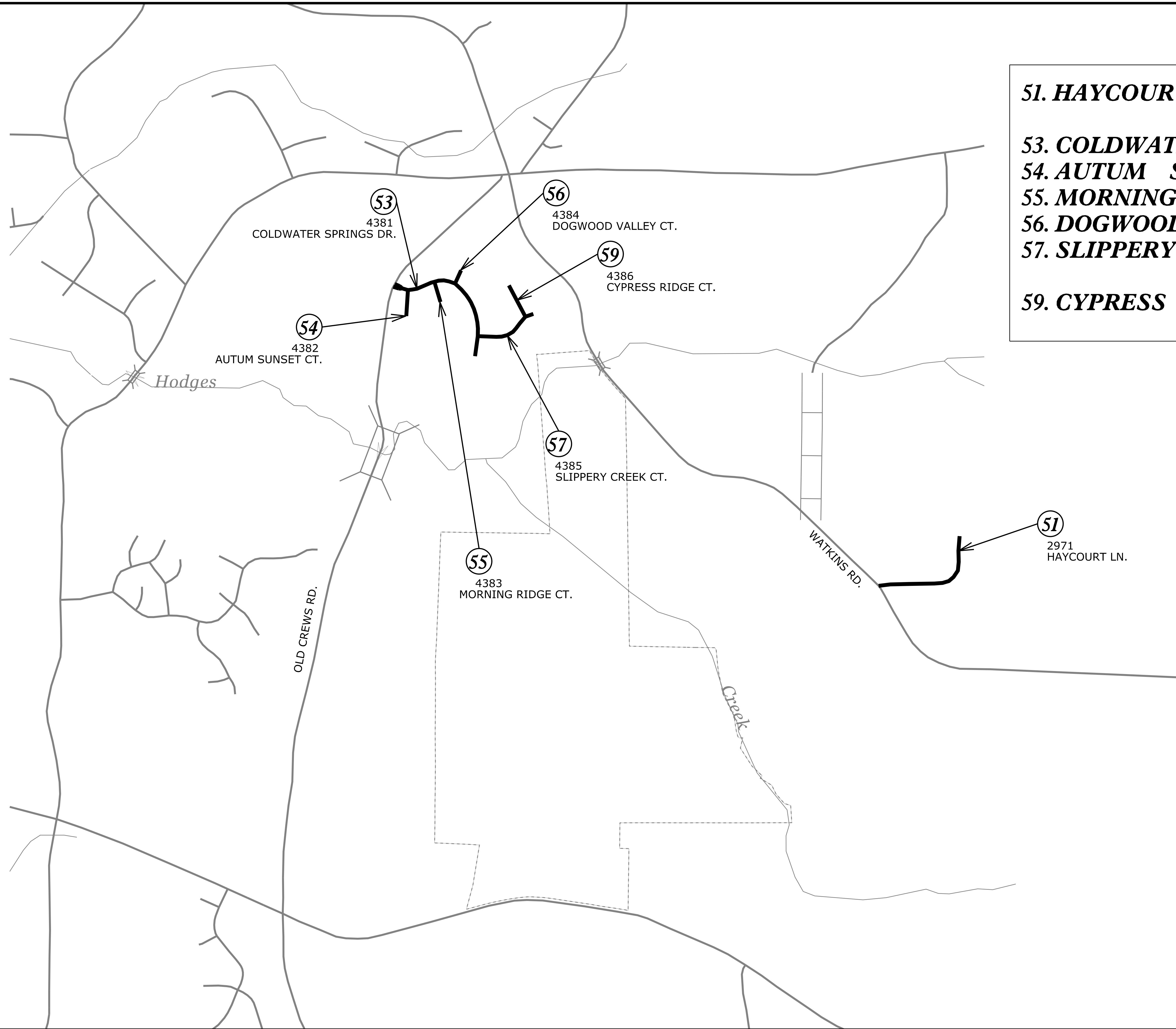
- 60. BARLON CT.**
- 61. CARTWAY LN.**

**2023
 EAST WAKE
 RESURFACING**

8/17/99

REVISIONS

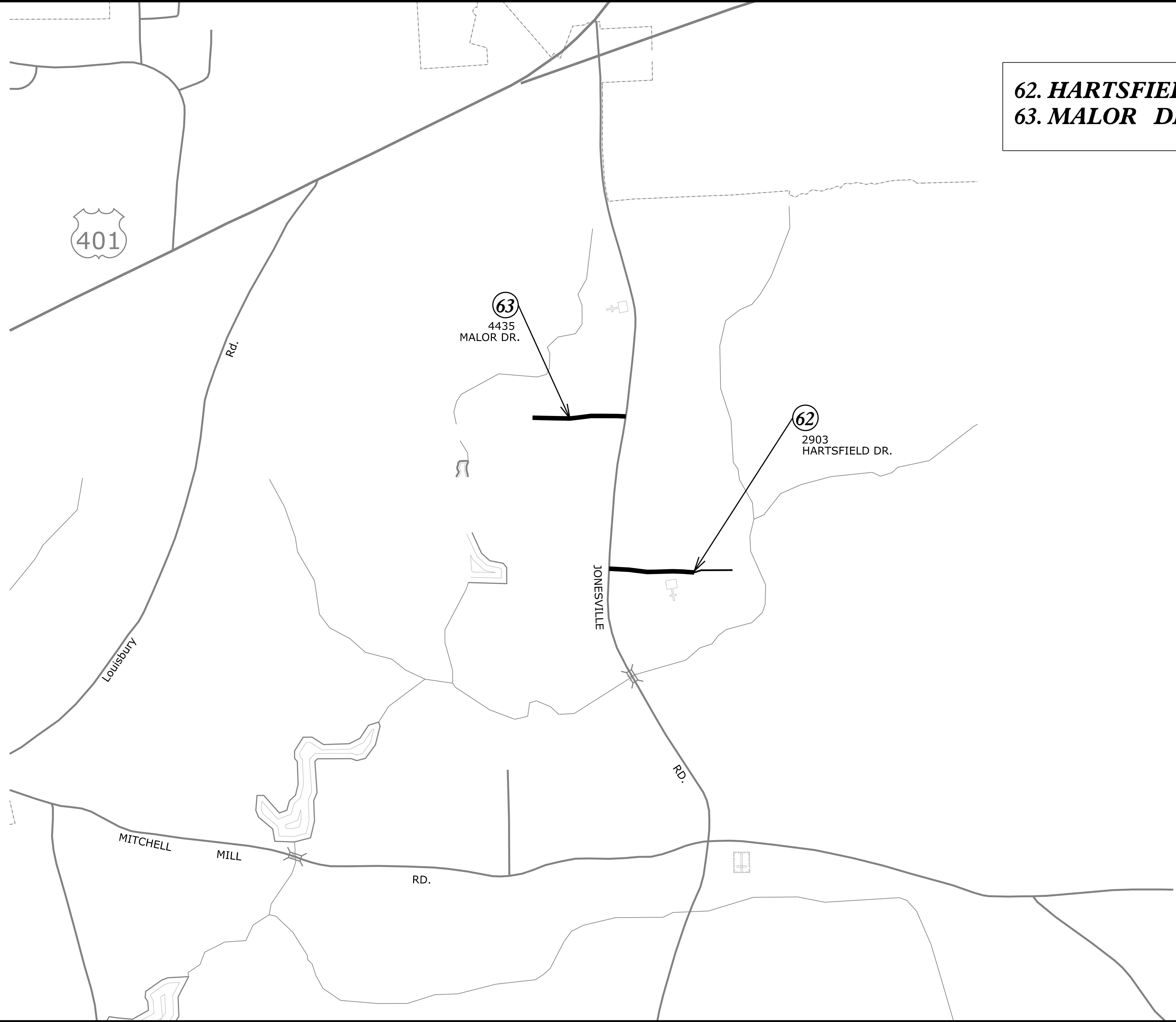
11/1/2021
i:\s\2022CPT.05J3J0921I, etc._TSH_07.dgn
JSE



- 51. HAYCOURT LN.**
- 53. COLDWATER SPRINGS DR.**
- 54. AUTUM SUNSET CT.**
- 55. MORNING RIDGE CT.**
- 56. DOGWOOD VALLEY CT.**
- 57. SLIPPERY CREEK CT.**
- 59. CYPRESS RIDGE CT.**

**2023
EAST WAKE
RESURFACING**

62. HARTSFIELD DR.
63. MALOR DR.



2023
EAST WAKE
RESURFACING

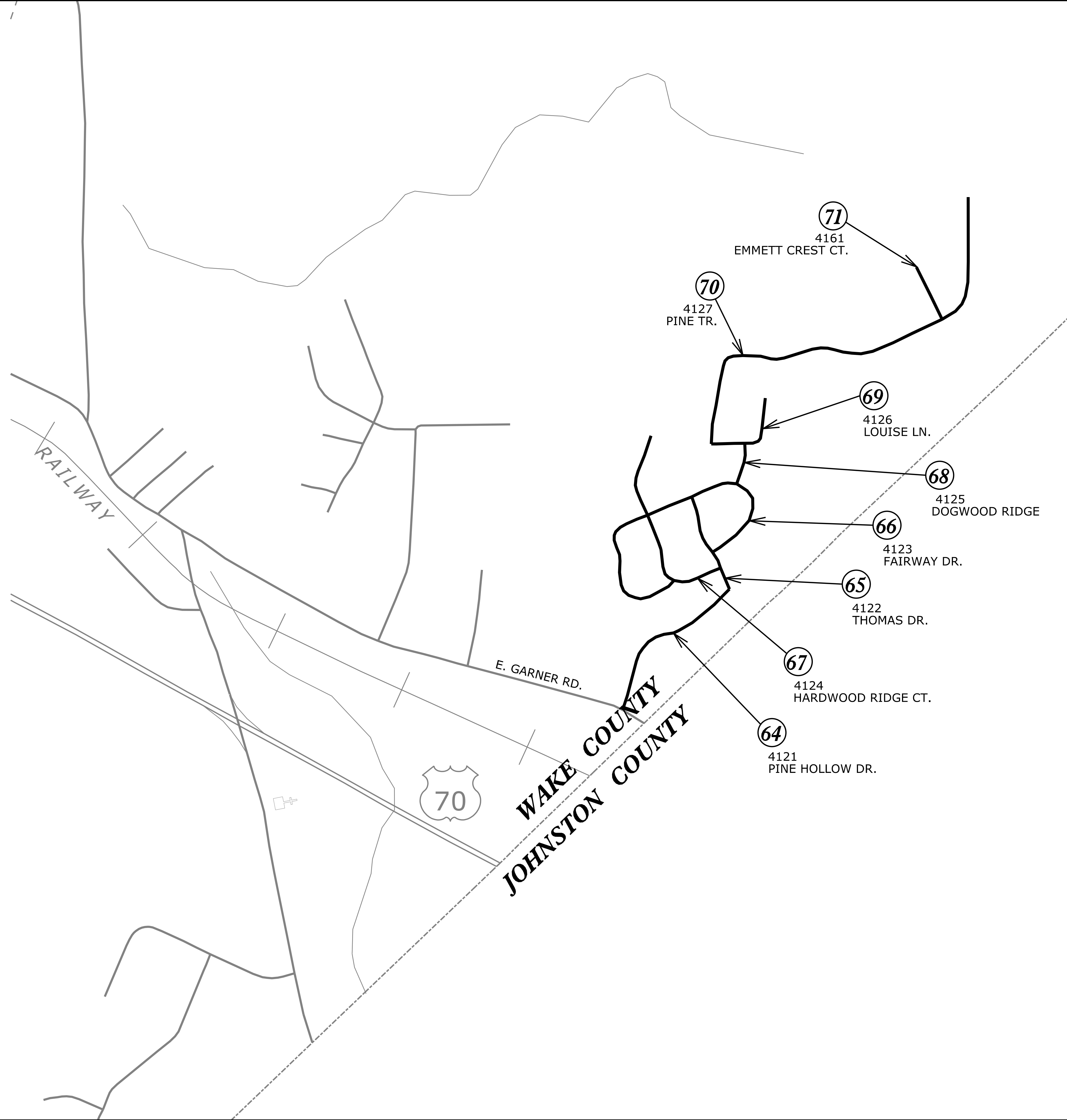
REVISIONS

8/17/99
9/13/2021
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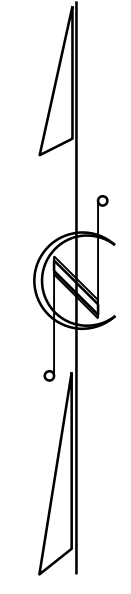
8/17/99

REVISIONS

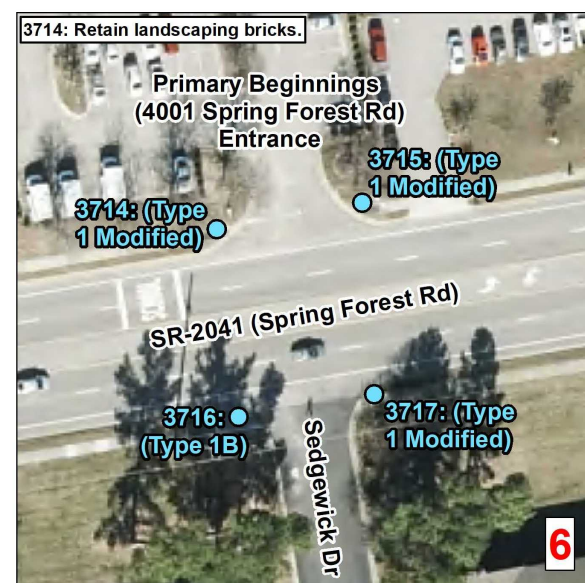
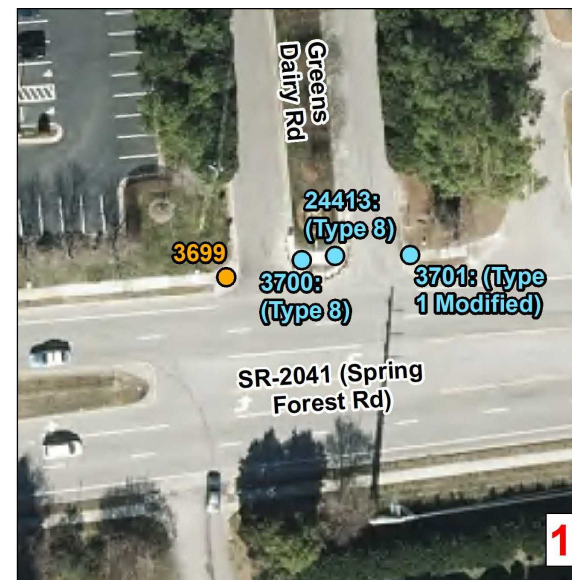
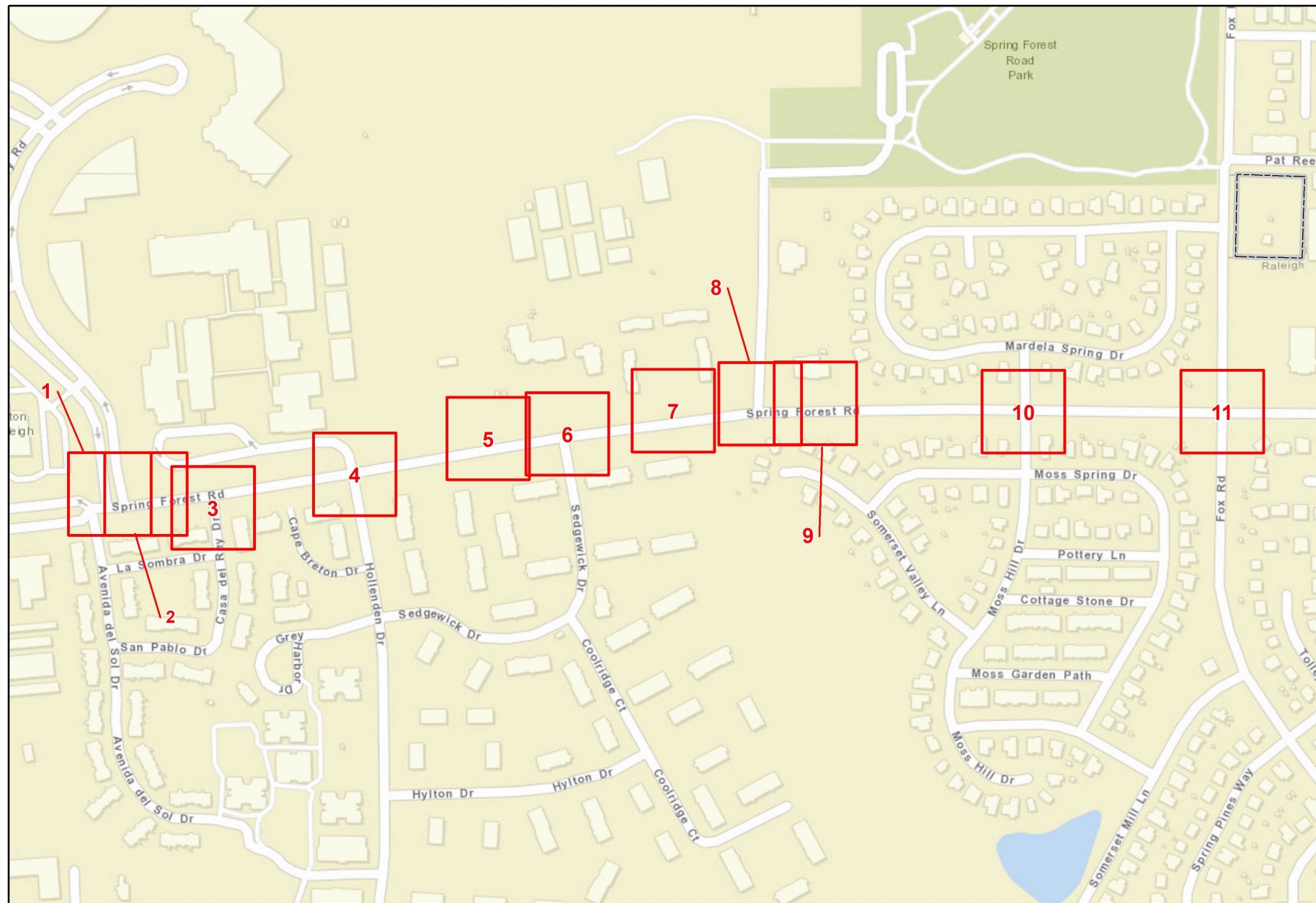
11/1/2021
 i:\2022CPT.05.13.109211, etc._TSH_09.dgn
 JSE:frskenned



- 64. PINE HOLLOW DR.**
- 65. THOMAS DR.**
- 66. FAIRWAY DR.**
- 67. HARDWOOD RIDGE CT.**
- 68. DOGWOOD RIDGE**
- 69. LOUISE LN.**
- 70. PINE TR.**
- 71. EMMETT CT.**



**2023
 EAST WAKE
 RESURFACING**



Curb Ramps To Be Repaired

- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp

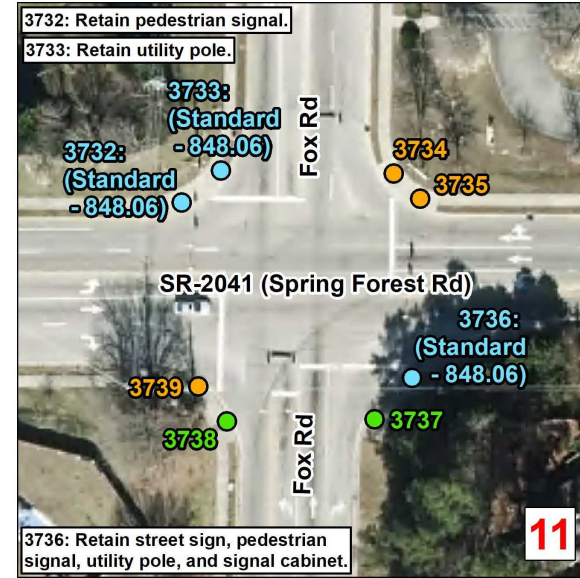
Municipal Boundary
 NCHPO Historic Boundary (NR and LHD)

2023 East
WBS: 2022CPT.05.13.20921.1

Spring Forest Rd
from US 1 to SR 2042

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 5

Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO



Curb Ramps To Be Repaired

- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp

Municipal Boundary

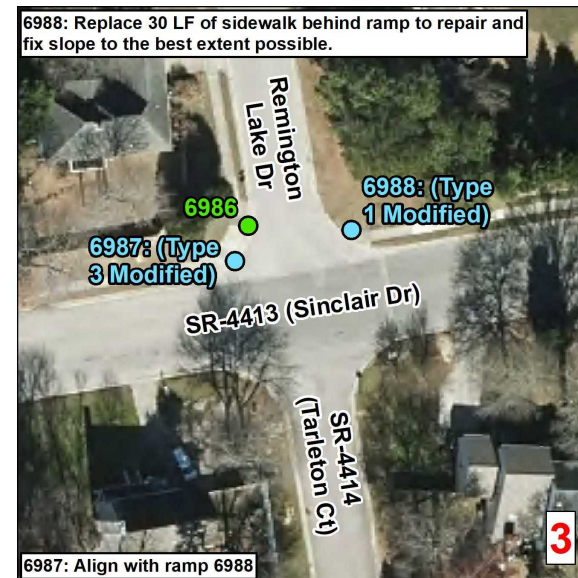
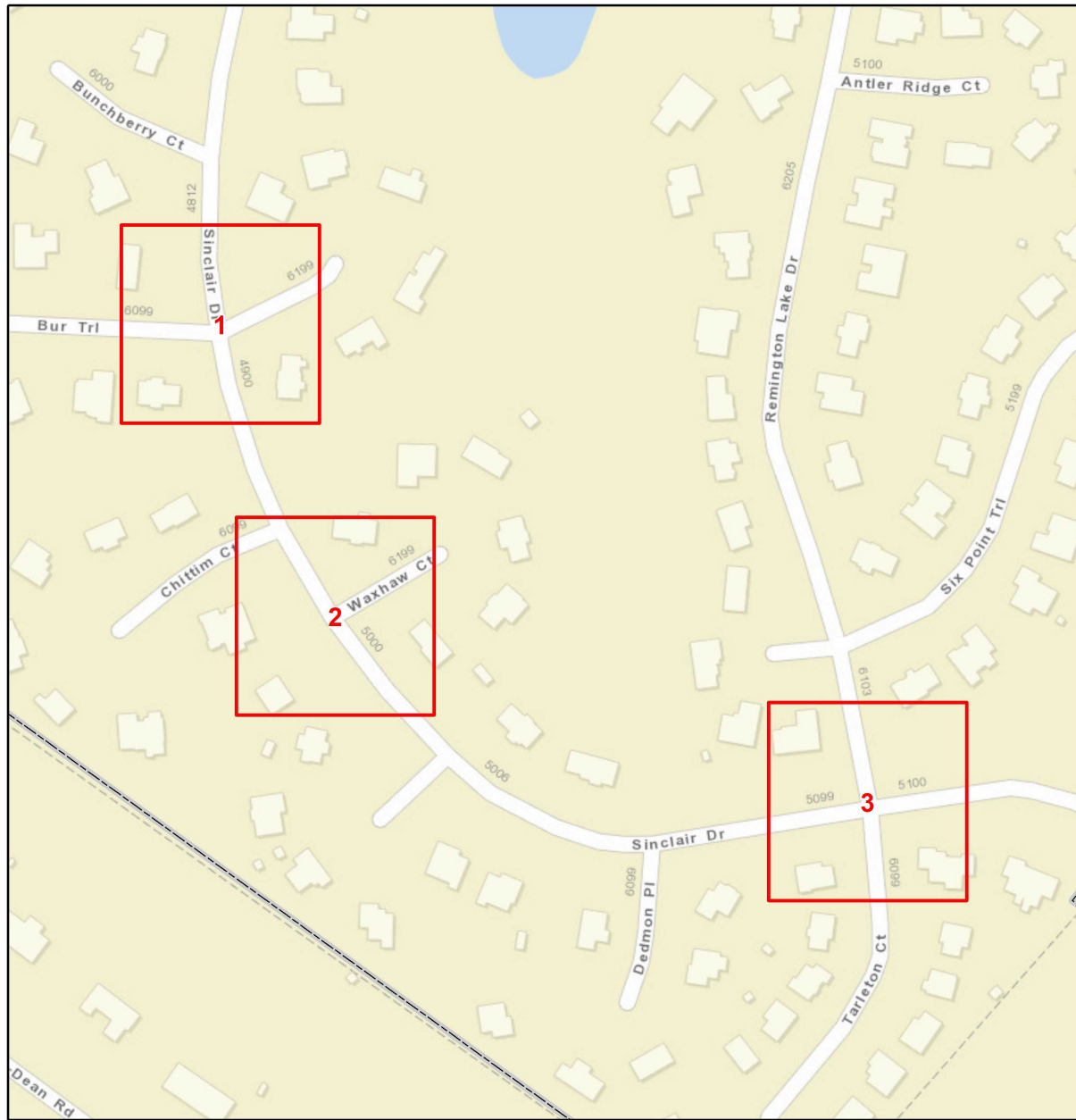
NCHPO Historic Boundary (NR and LHD)

2023 East
WBS: 2022CPT.05.13.20921.1

Spring Forest Rd
from US 1 to SR 2042

NORTH CAROLINA DEPARTMENT
OF TRANSPORTATION
DIVISION 5


Source: NV5 Engineers and Consultants Inc, ESRI, NC OneMap, NCDOT, NCHPO



Curb Ramps To Be Repaired


- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp

Municipal Boundary
 NCHPO Historic Boundary (NR and LHD)

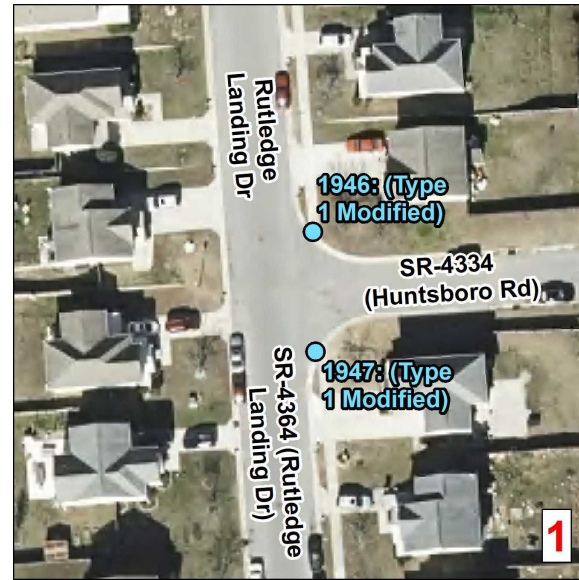
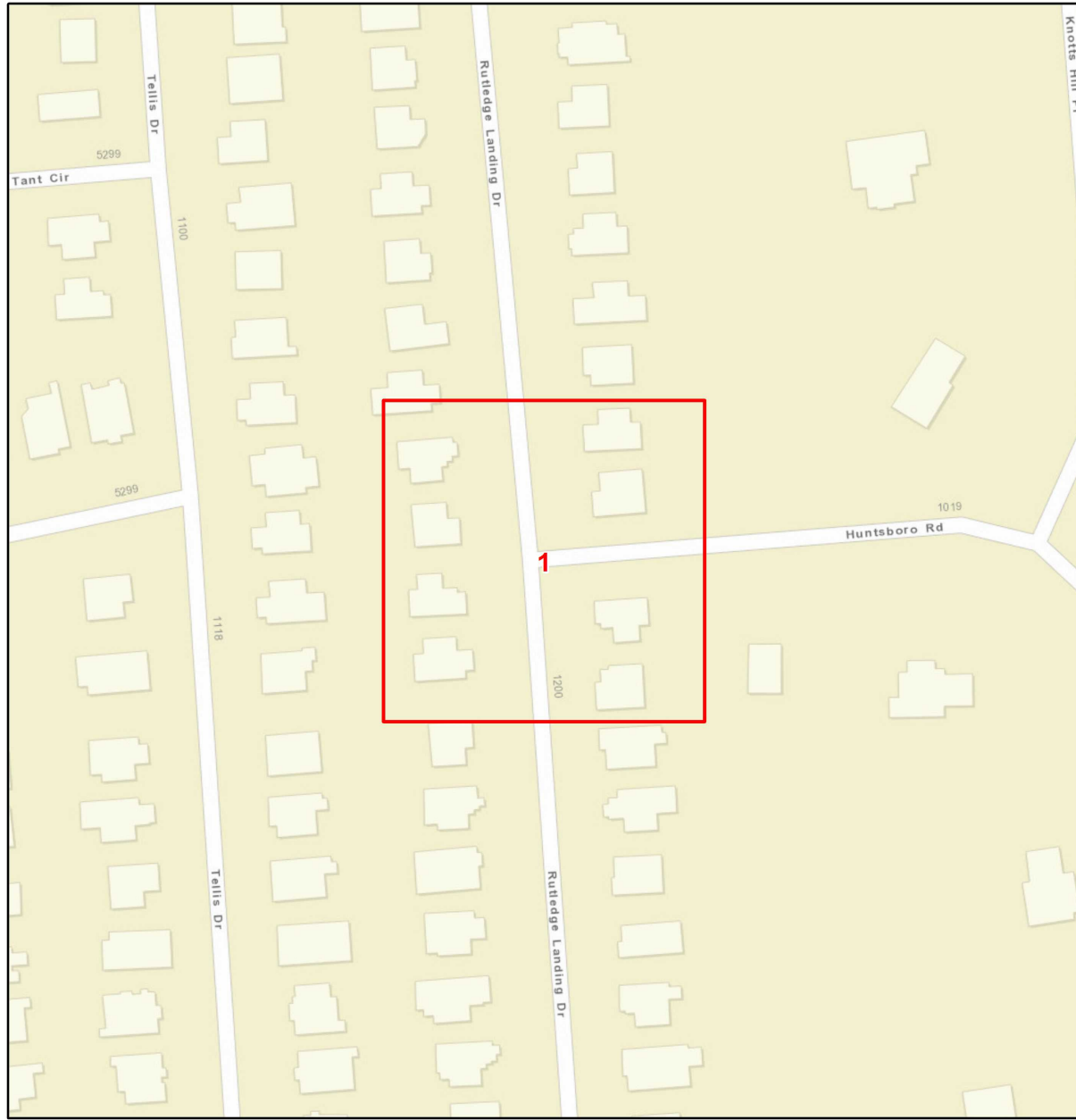


2023 East
WBS: 2022CPT.05.13.20921.1

Sinclair Dr
from US 401 to End Maint

 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 5

Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO



Curb Ramps To Be Repaired

- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp

Municipal Boundary

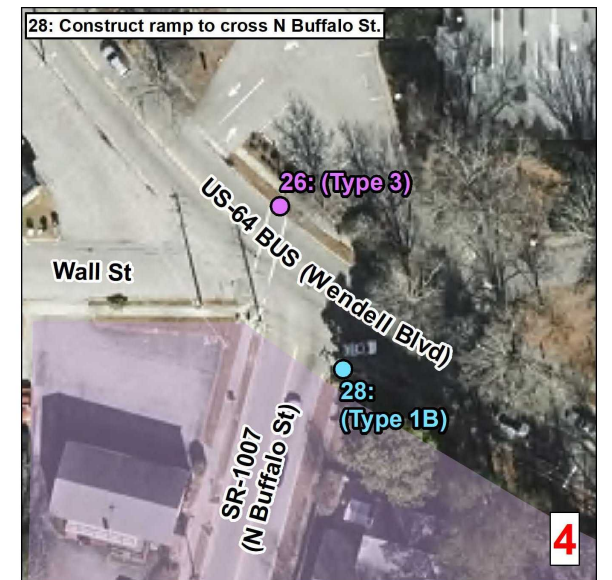
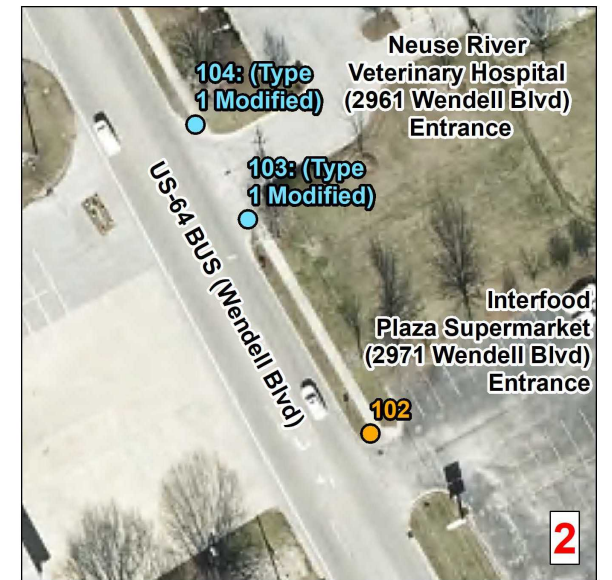
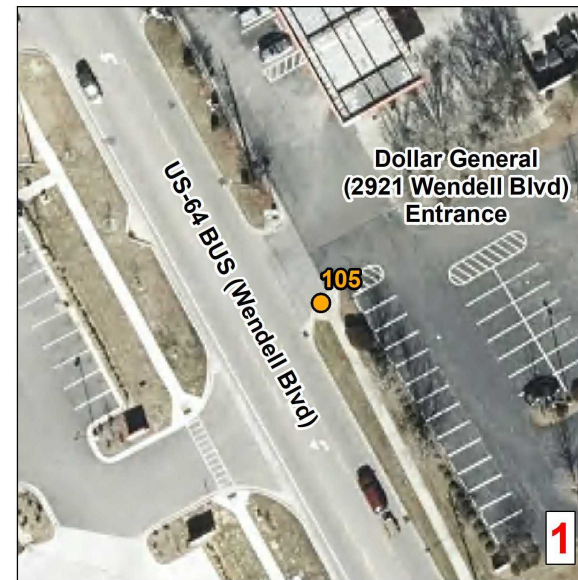
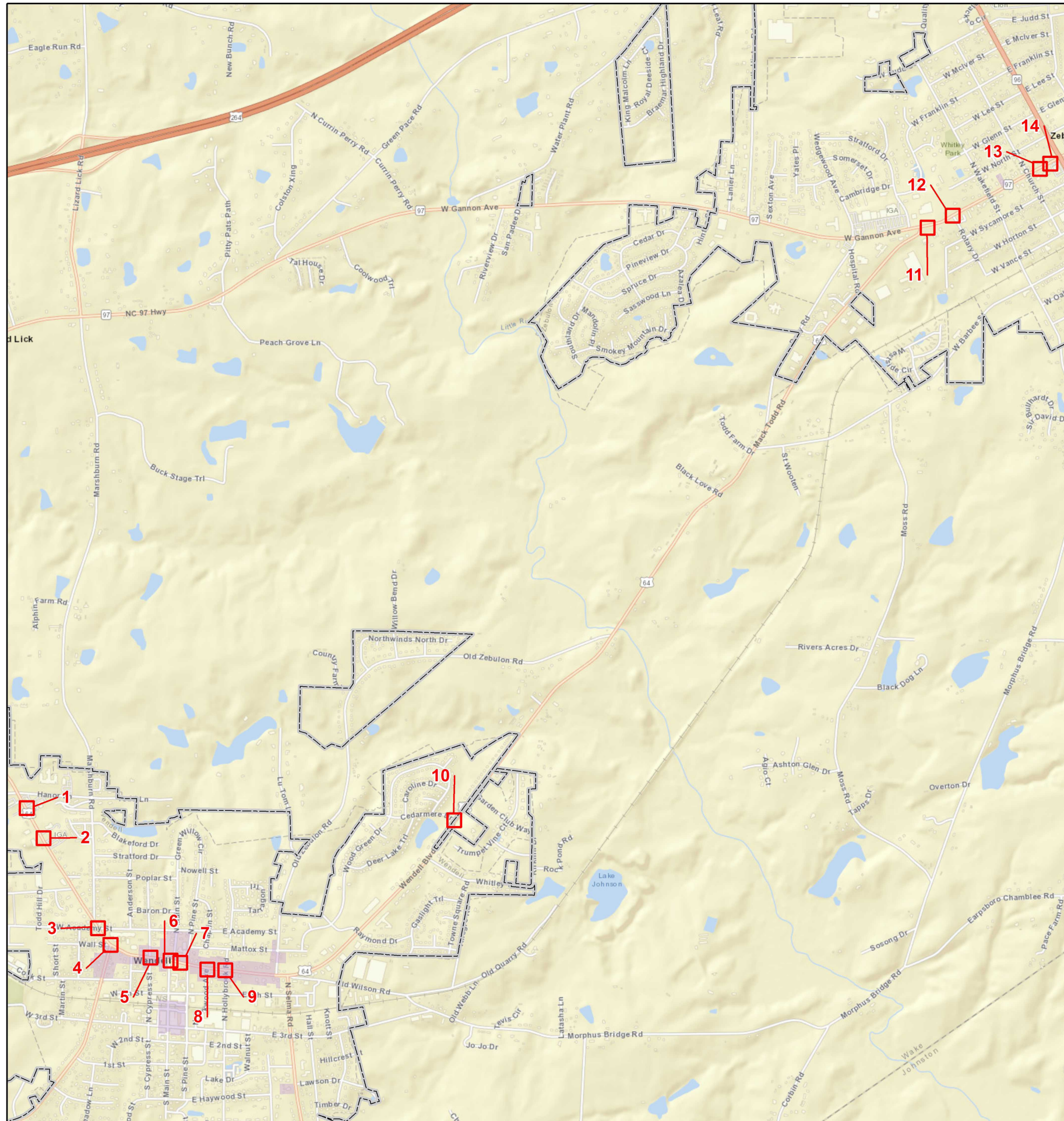
NCHPO Historic Boundary (NR and LHD)

2023 East
WBS: 2022CPT.05.13.20921.1

Huntsboro Rd
from SR 1007 to SR 4364

NORTH CAROLINA DEPARTMENT
OF TRANSPORTATION
DIVISION 5

Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO



Curb Ramps To Be Repaired

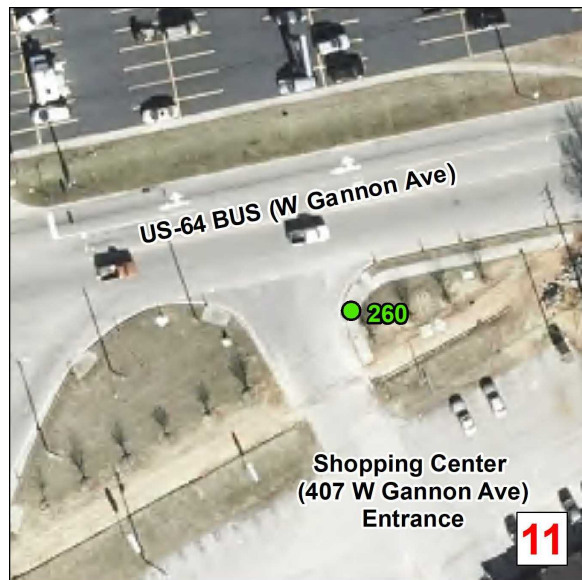
- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other

Municipal Boundary
 NCHPO Historic Boundary (NR and LHD)

2023 East
WBS: 2022CPT.05.13.10921.1
US 64 BUS
from SR 2364 to NC 96

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 5


Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO




Curb Ramps To Be Repaired

- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other

Municipal Boundary
 NCHPO Historic Boundary (NR and LHD)

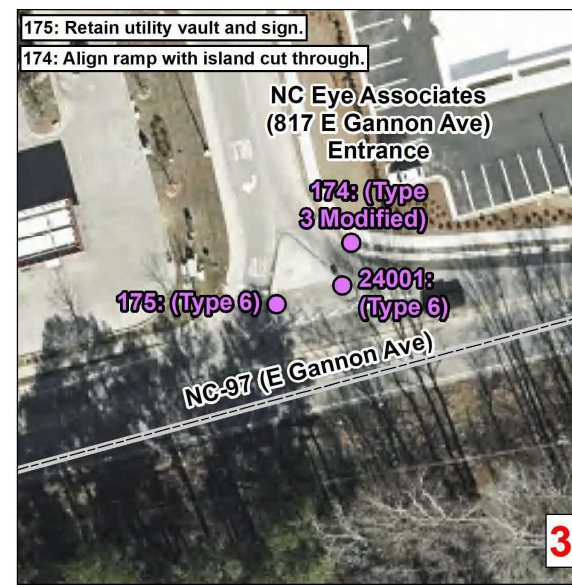
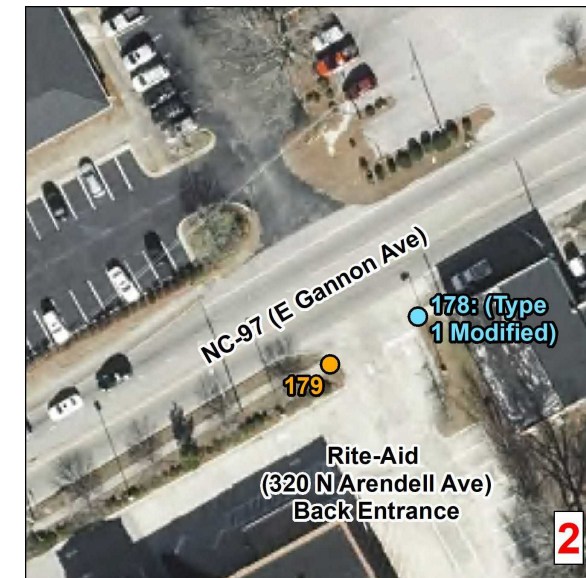
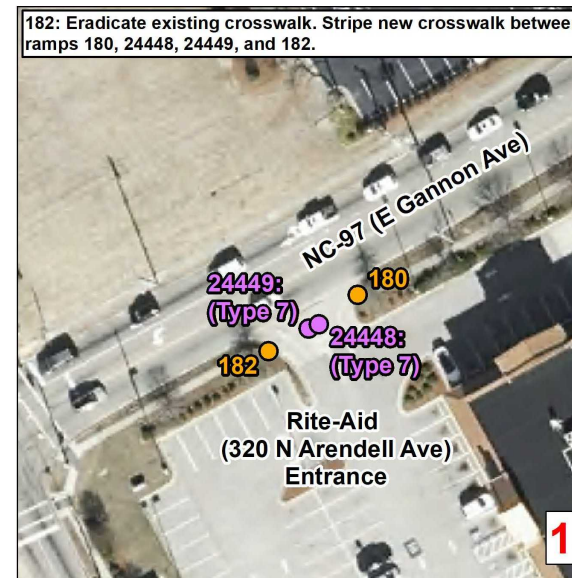
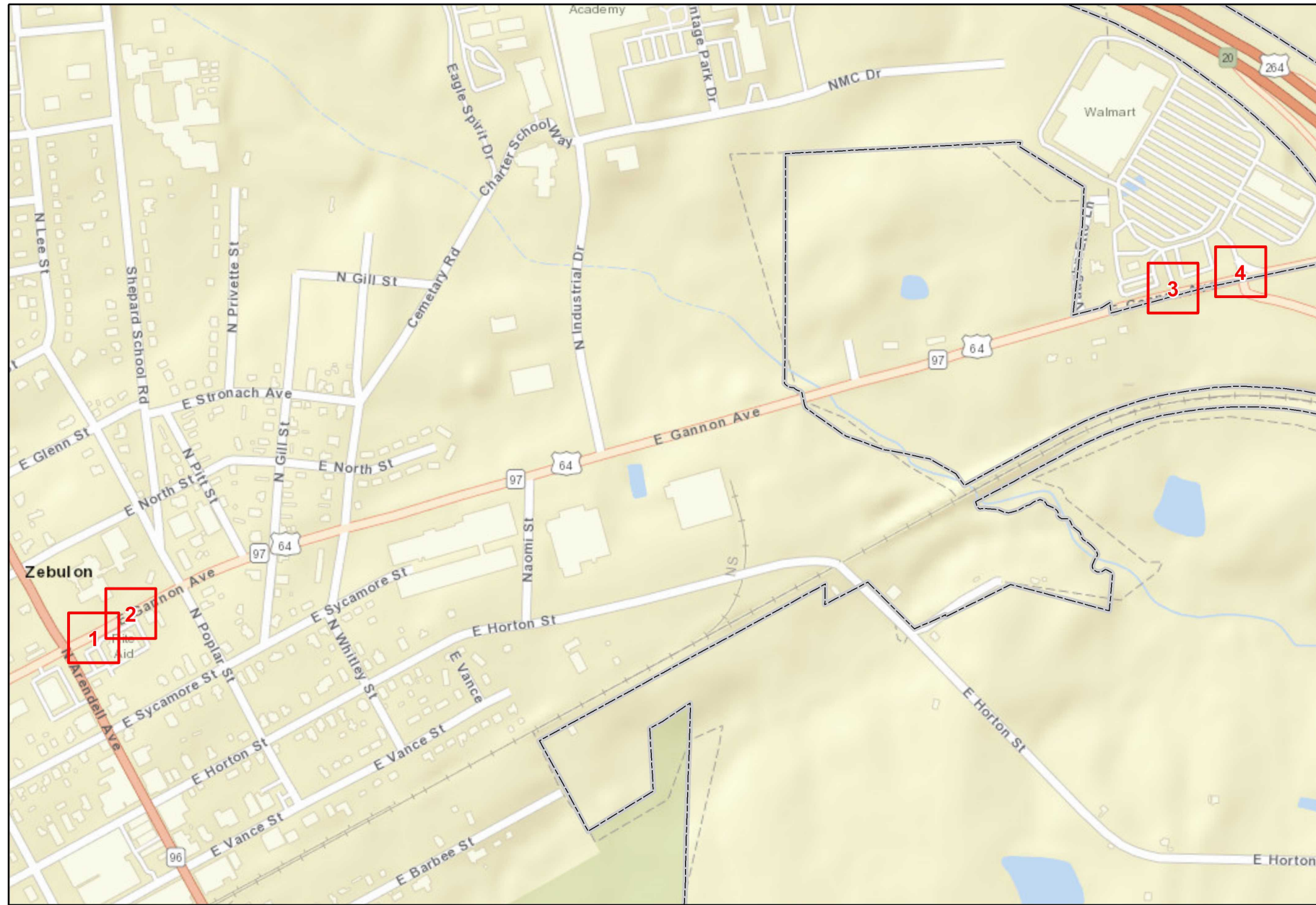


2023 East
WBS: 2022CPT.05.13.10921.1
US 64 BUS
from SR 2364 to NC 96



NORTH CAROLINA DEPARTMENT
OF TRANSPORTATION
DIVISION 5

Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO

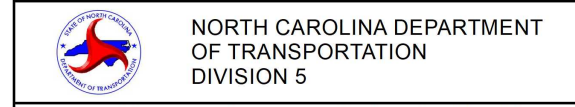


- Curb Ramps To Be Repaired**
- Retrofit
 - Remove and Replace
 - New Curb Ramp
 - Remove Ramp
- Municipal Boundary
 NCHPO Historic Boundary (NR and LHD)

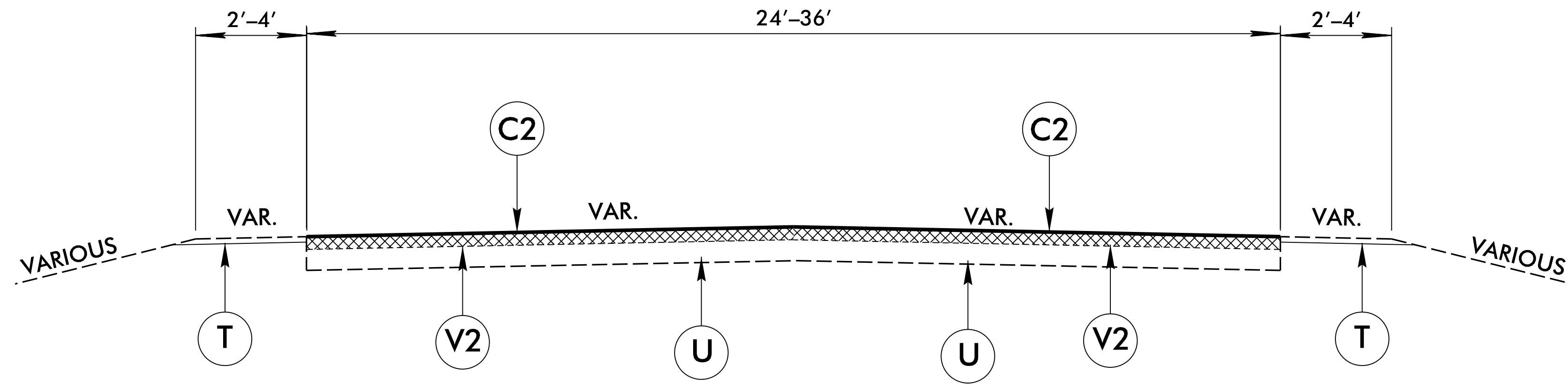


2023 East
WBS: 2022CPT.05.13.10921.1

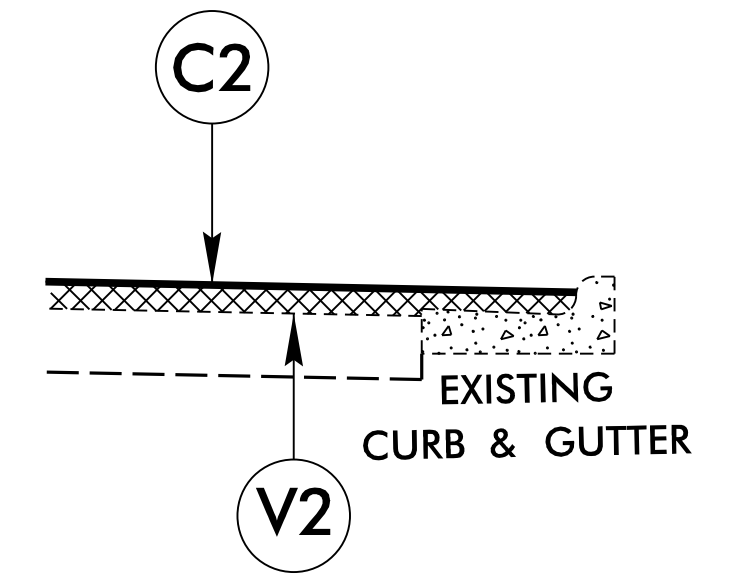
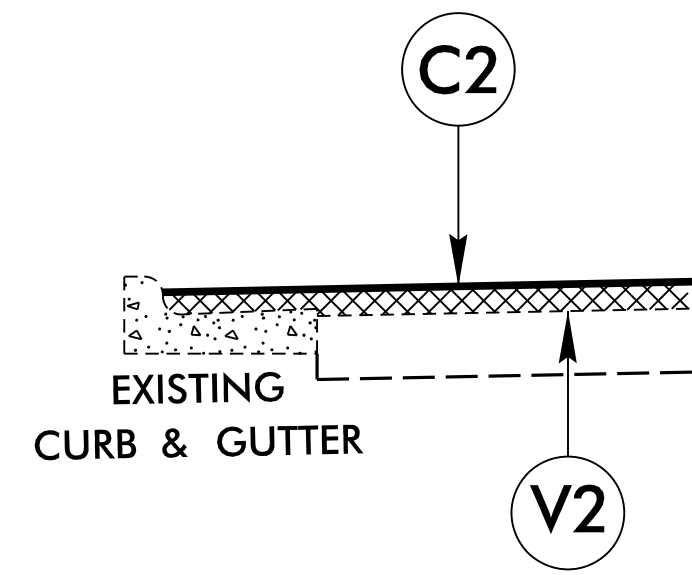
NC 97
from NC 96 to Franklin Co



Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO

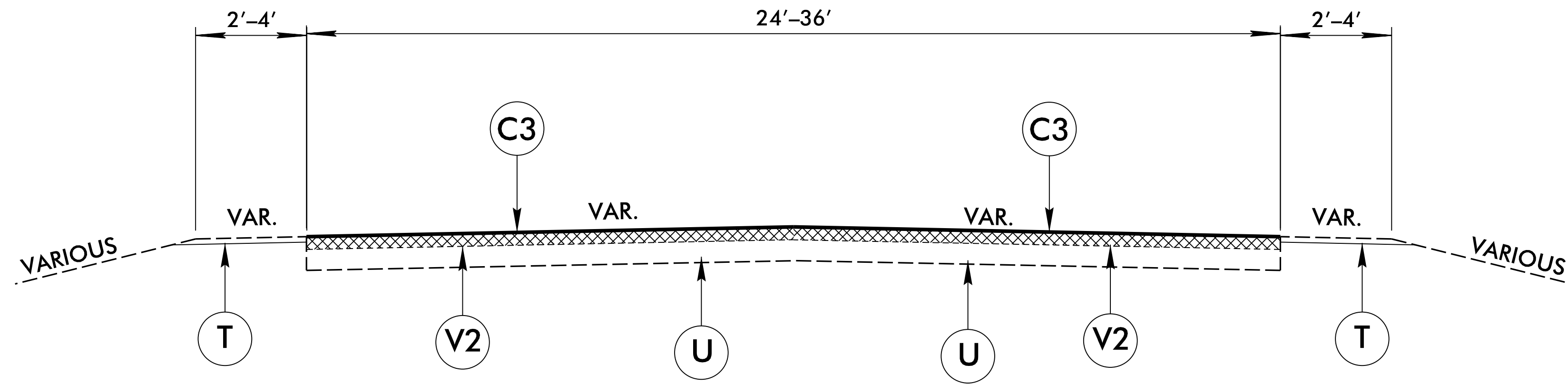


TYPICAL SECTION NO. 1

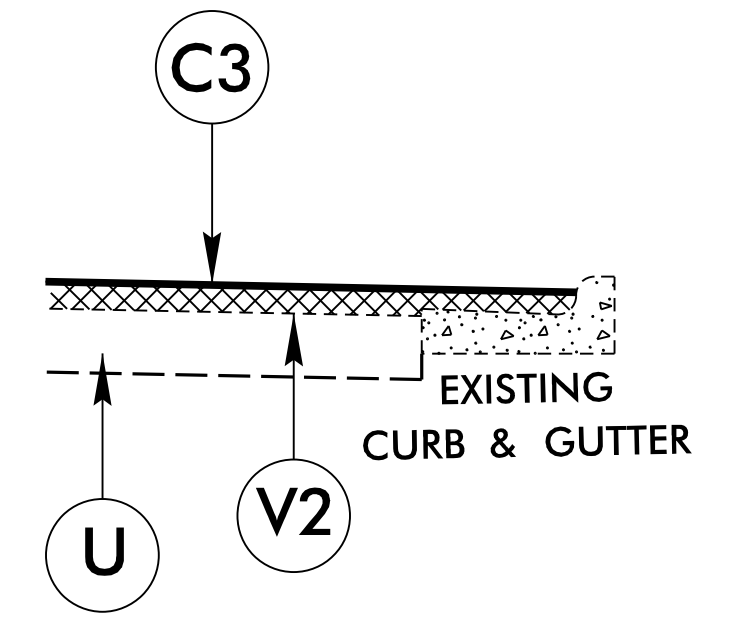
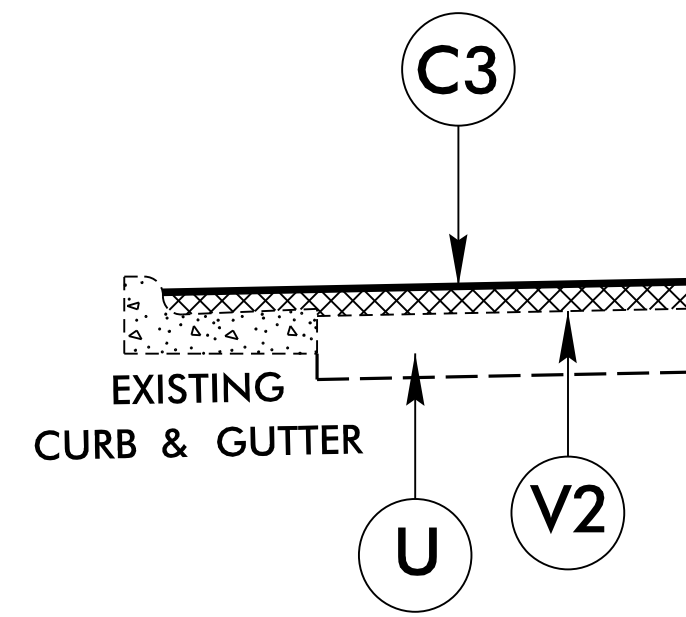


NOTE:
MILL 1.5" +/- ON MAP NO. 1 BRIDGE NO. 158
AS DIRECTED BY THE ENGINEER TO RESURFACE
AND NOT ADD ANY ADDITIONAL WEIGHT ON
THE BRIDGE.

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
C2	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C3	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C4	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
T	SHOULDER GRADING
U	EXISTING PAVEMENT
V1	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 1 1/4"
V2	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 1 1/2"
V3	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 2"

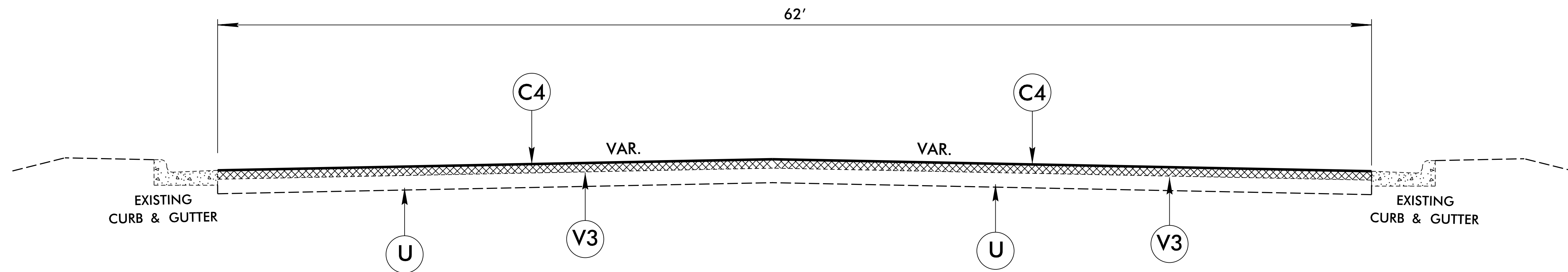


TYPICAL SECTION NO. 2

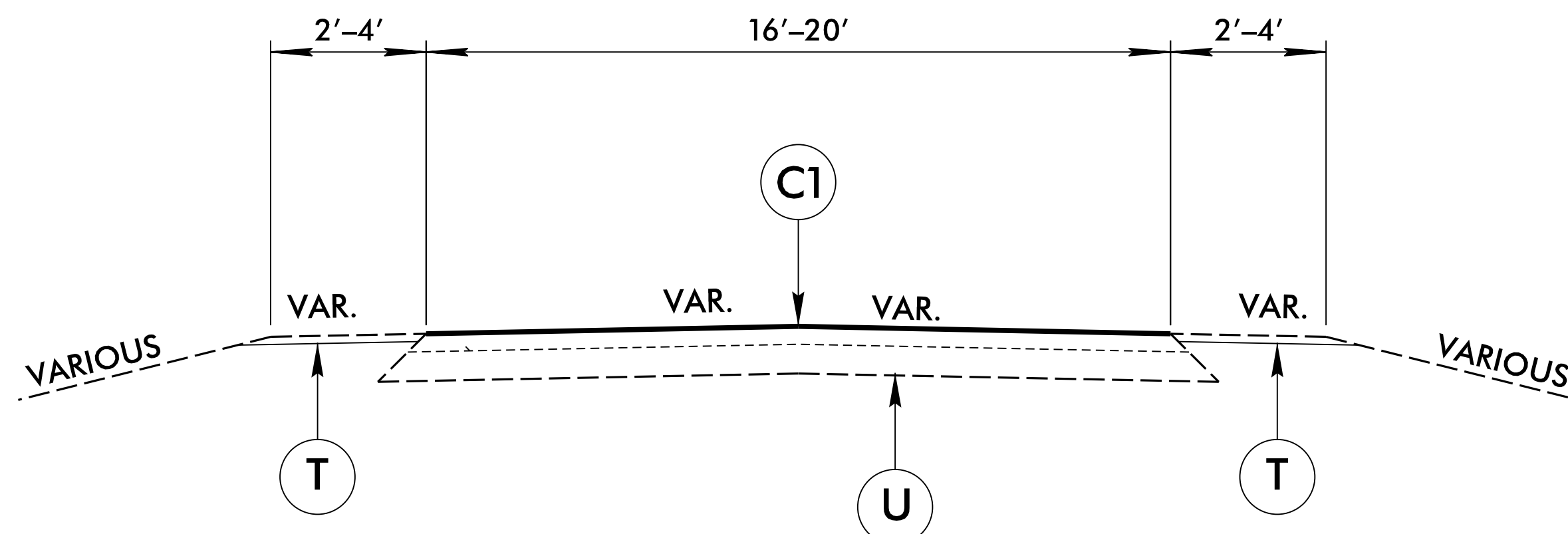


PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
C2	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C3	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C4	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
T	SHOULDER GRADING
U	EXISTING PAVEMENT
V1	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 1 1/4"
V2	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 1 1/2"
V3	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 2"

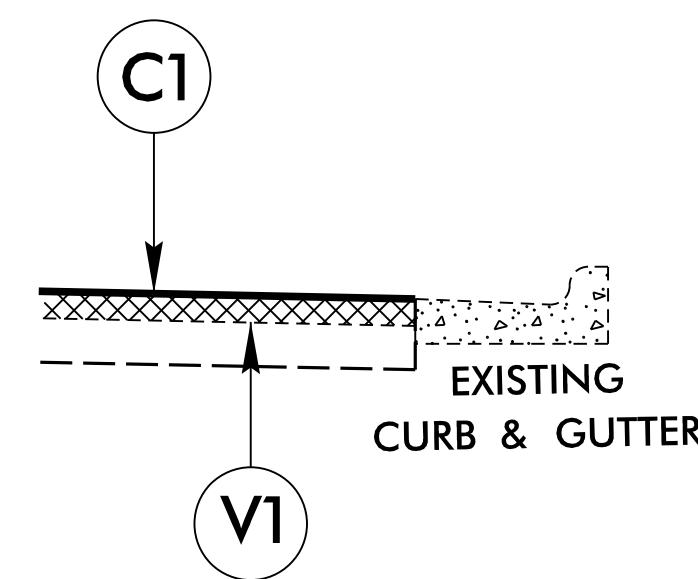
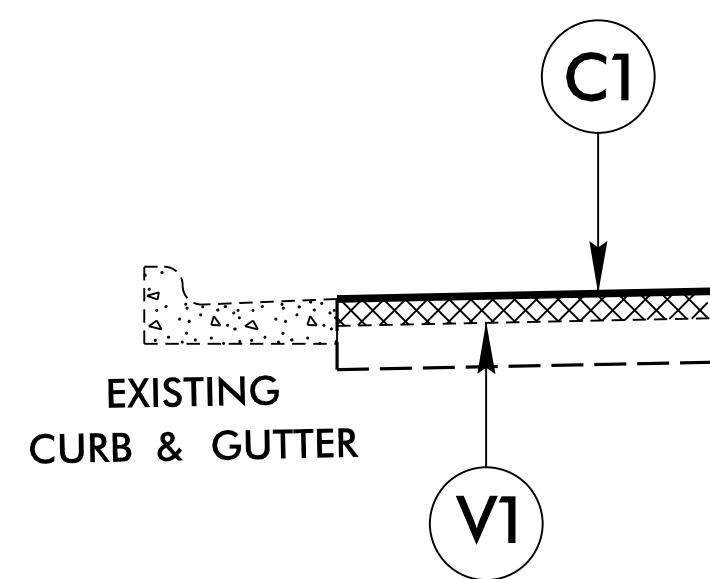
8/17/99



TYPICAL SECTION NO. 3

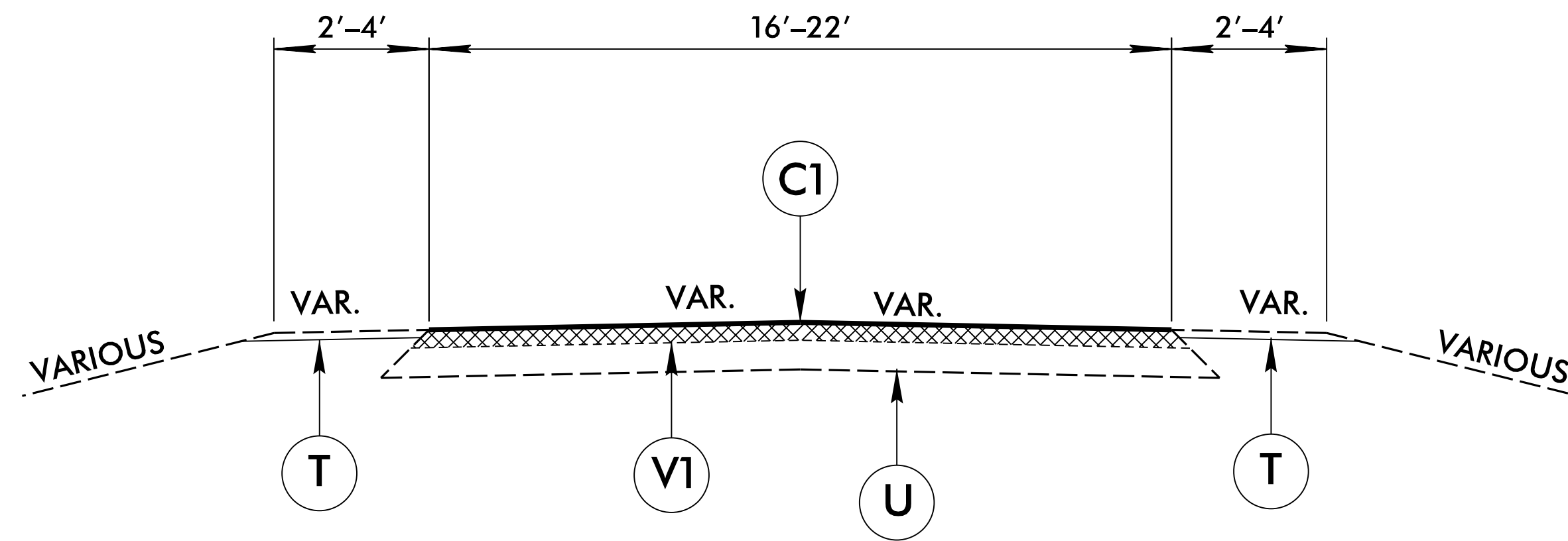


TYPICAL SECTION NO. 4

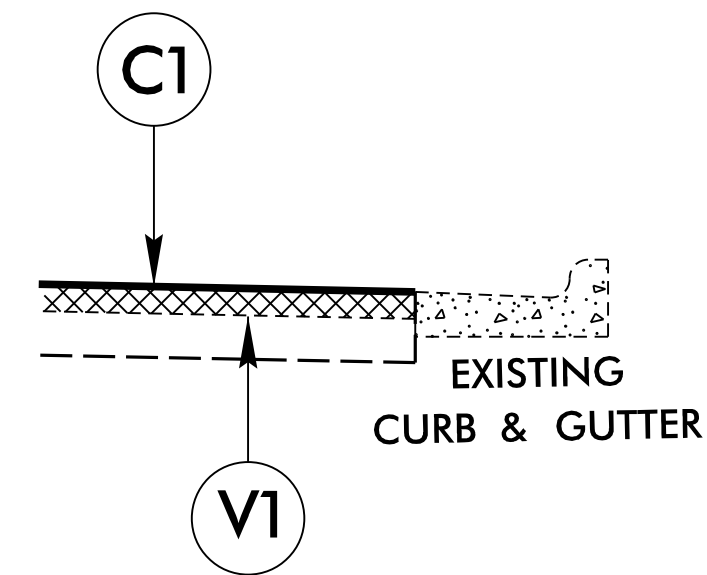
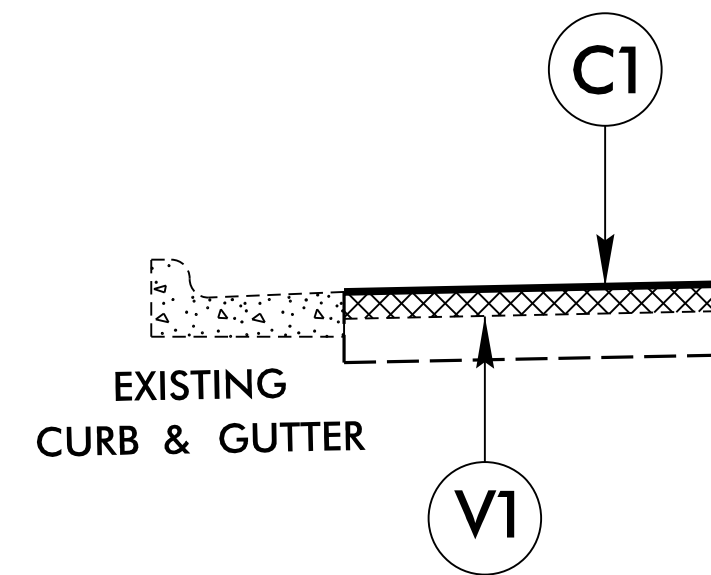


MAP 53 – CURB & GUTTER SECTION
AT ENTRANCE 140 LF RT. & LT.

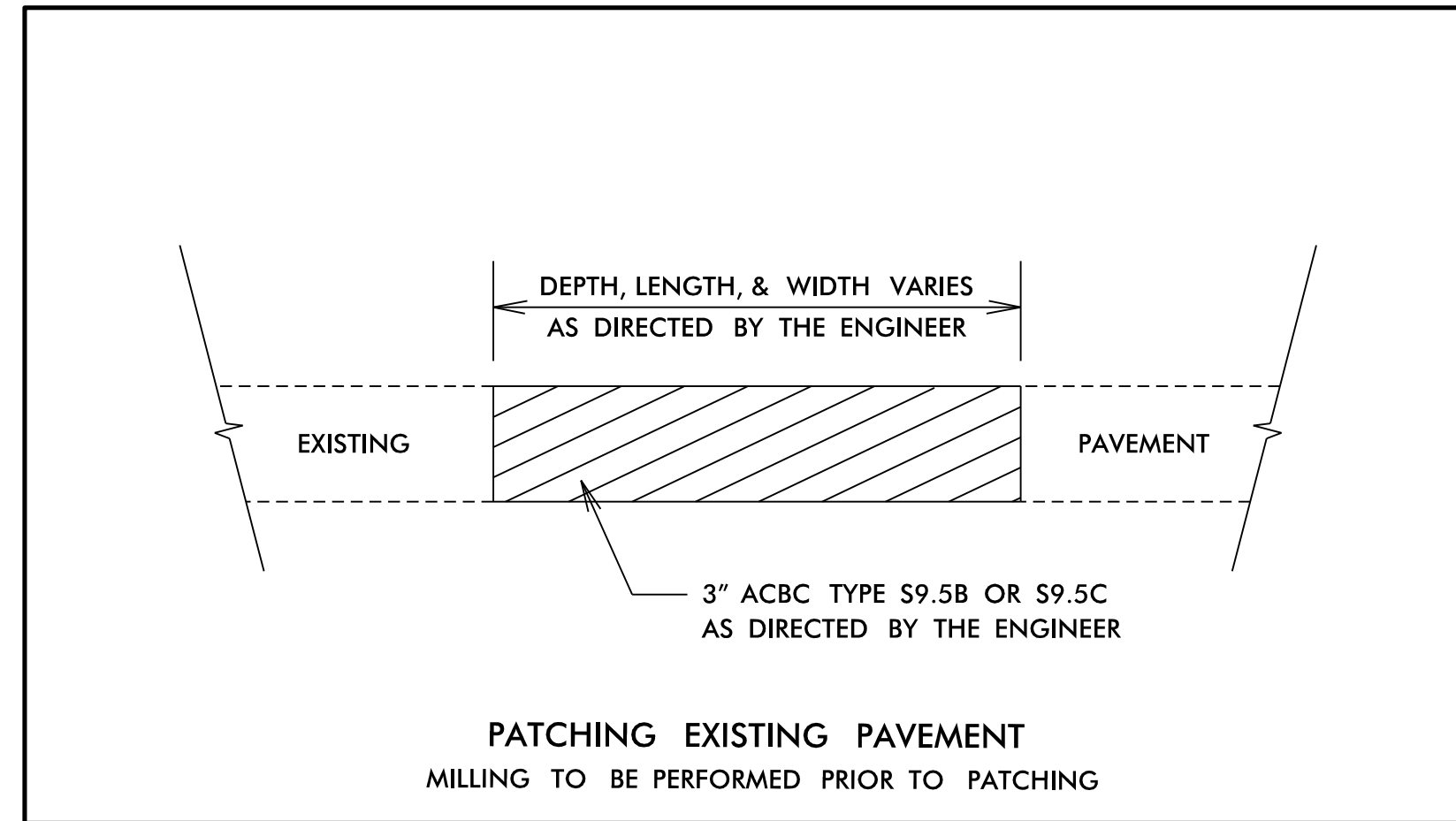
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C3	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C4	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
T	SHOULDER GRADING
U	EXISTING PAVEMENT
V1	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 1¼"
V2	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 1½"
V3	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 2"



TYPICAL SECTION NO. 5



PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C3	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C4	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
T	SHOULDER GRADING
U	EXISTING PAVEMENT
V1	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 1¼"
V2	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 1½"
V3	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 2"



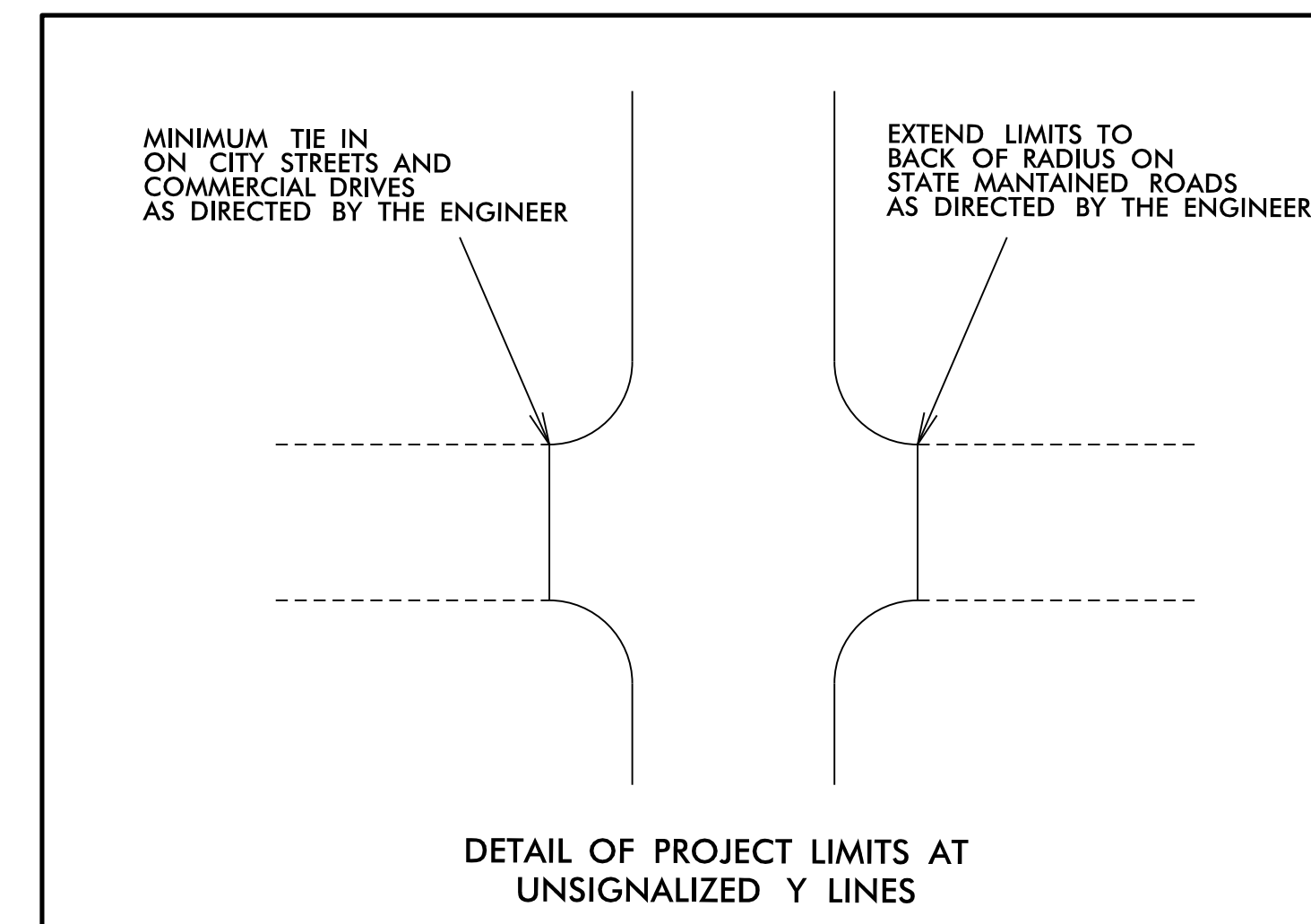
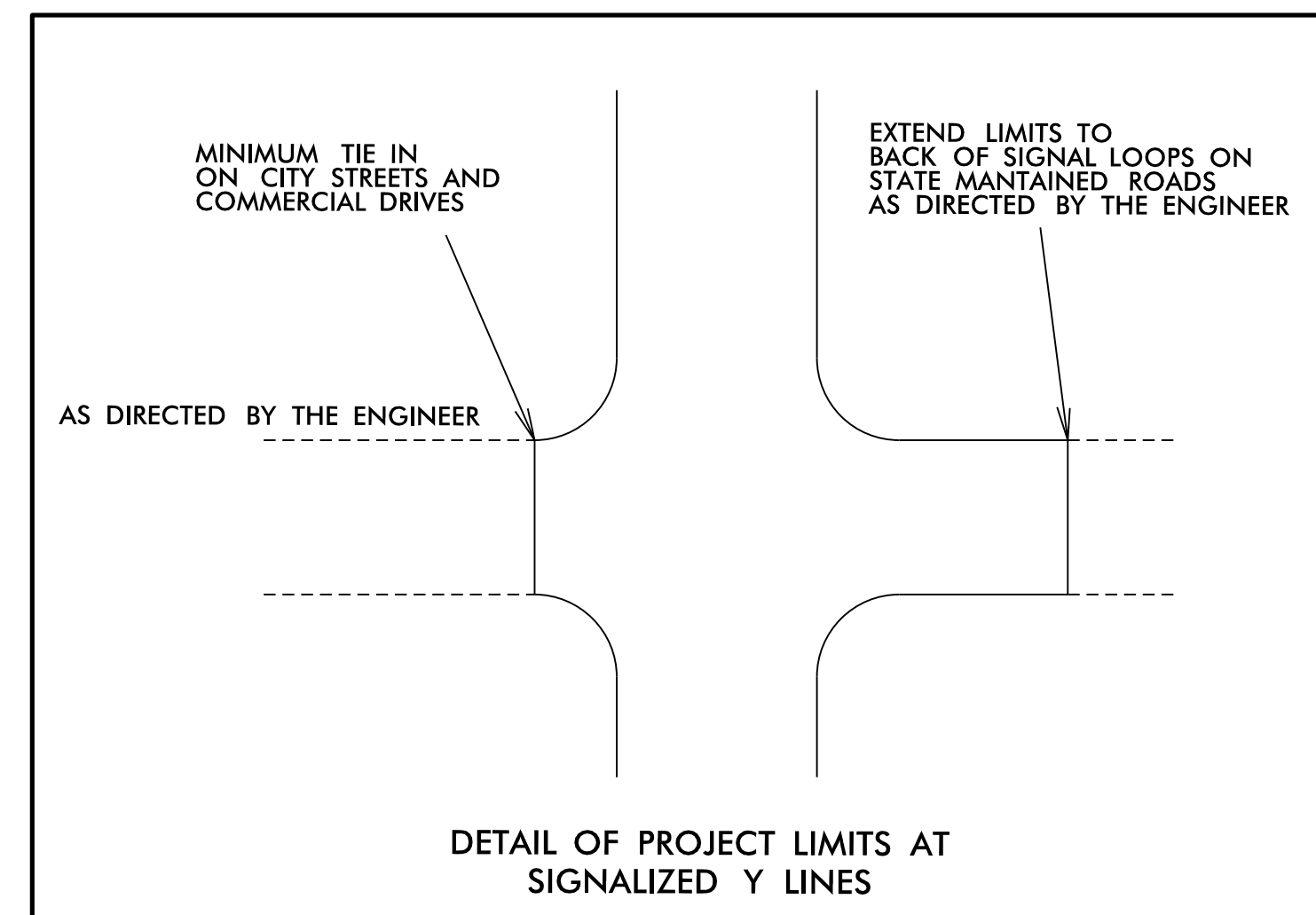
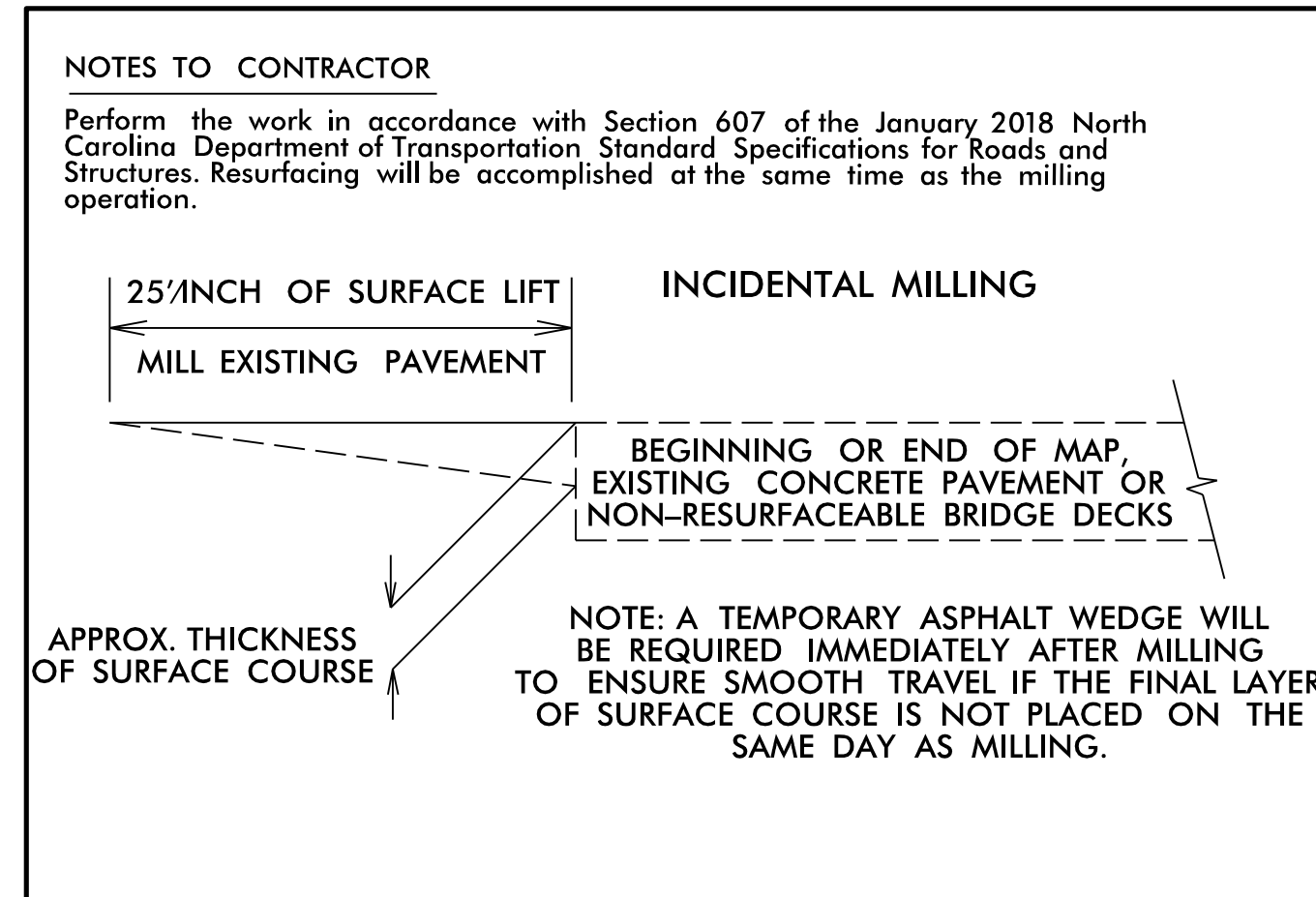
NOTES

ALL UNPAVED S.R. ROADS TO BE RESURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT.

ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.

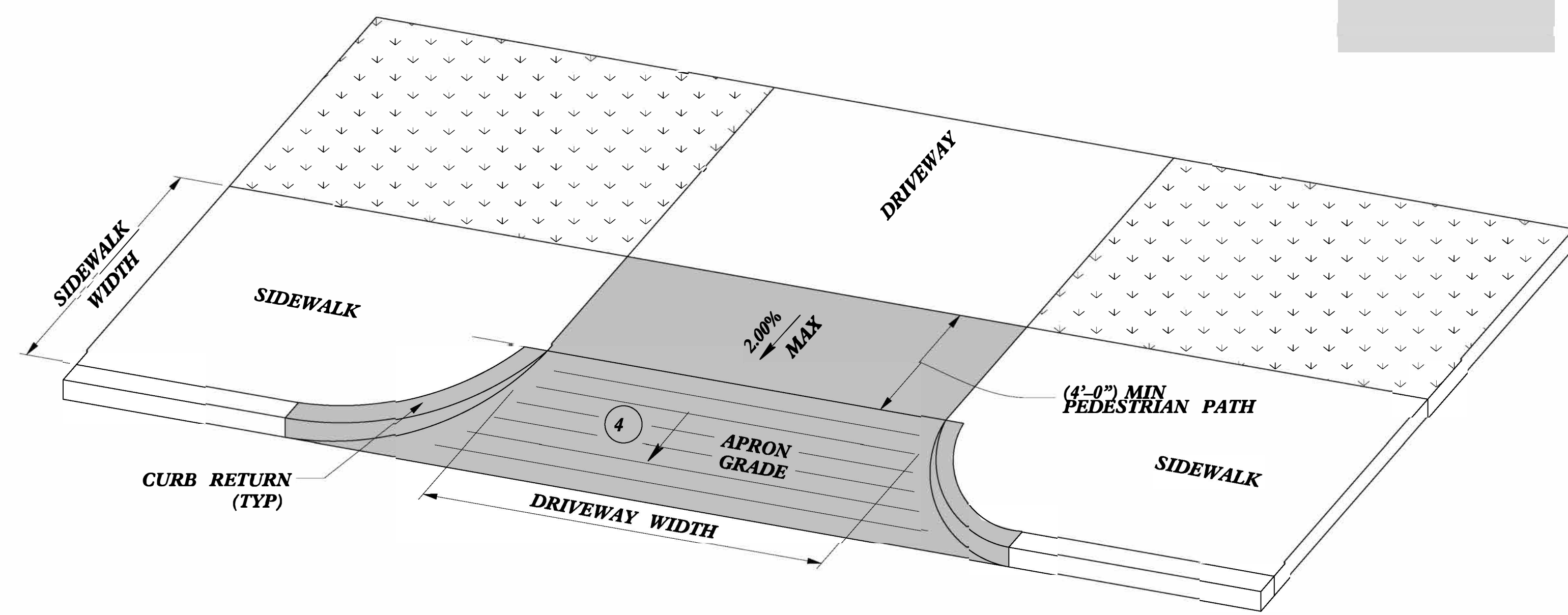
EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.

BRIDGES TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.

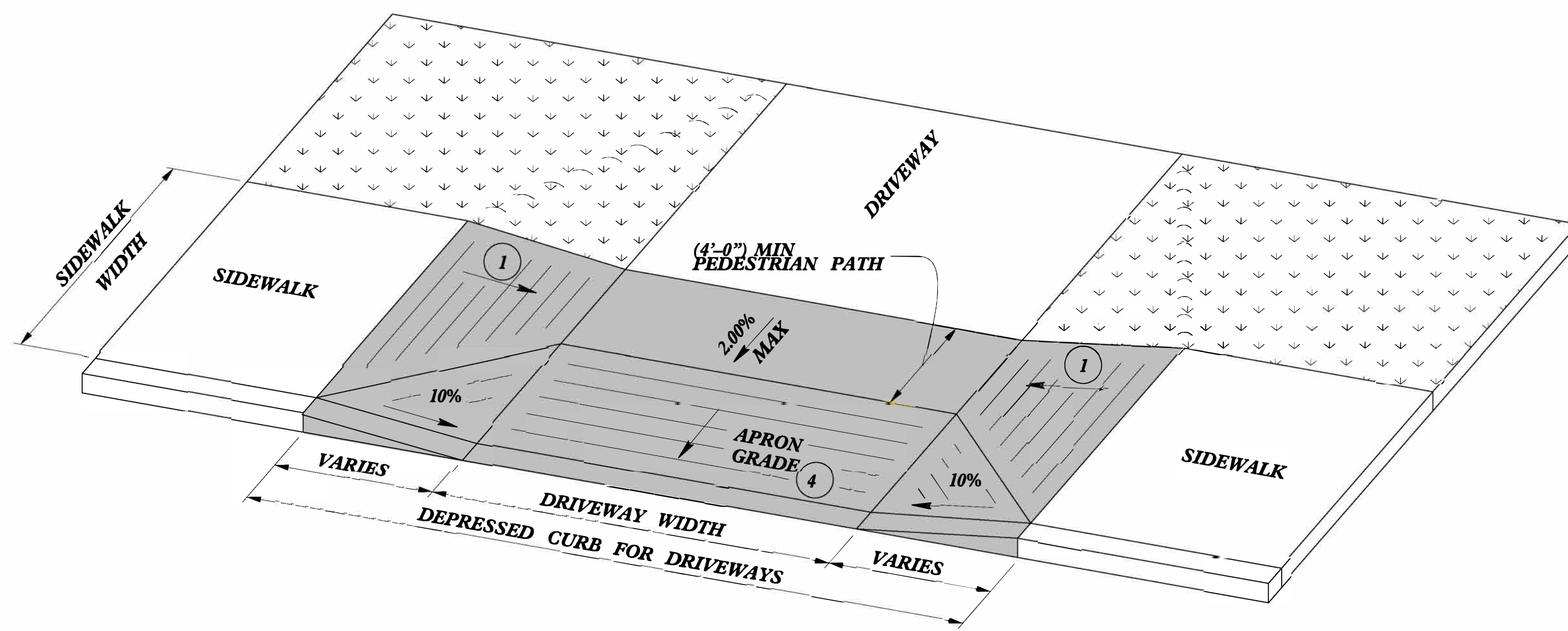


- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 4 8.00% MAX CHANGE IN GRADE BETWEEN ROAD SURFACE AND DRIVEWAY

PAY LIMITS FOR 1 CURB RAMP

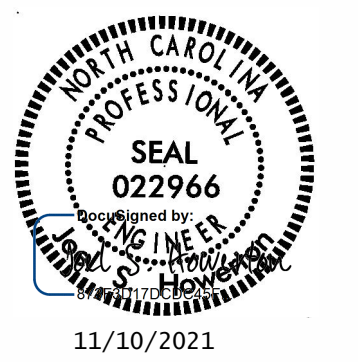


**DRIVEWAY APRON
OPTION 1**



**DRIVEWAY APRON
OPTION 2**

-SEE ROADWAY DETAIL DRAWING 848.05 FOR DETECTABLE WARNING SURFACE AND FOR RAMP NOTES.
-SEE ROADWAY STANDARD DRAWING 848.02 FOR CONCRETE DRIVEWAYS.

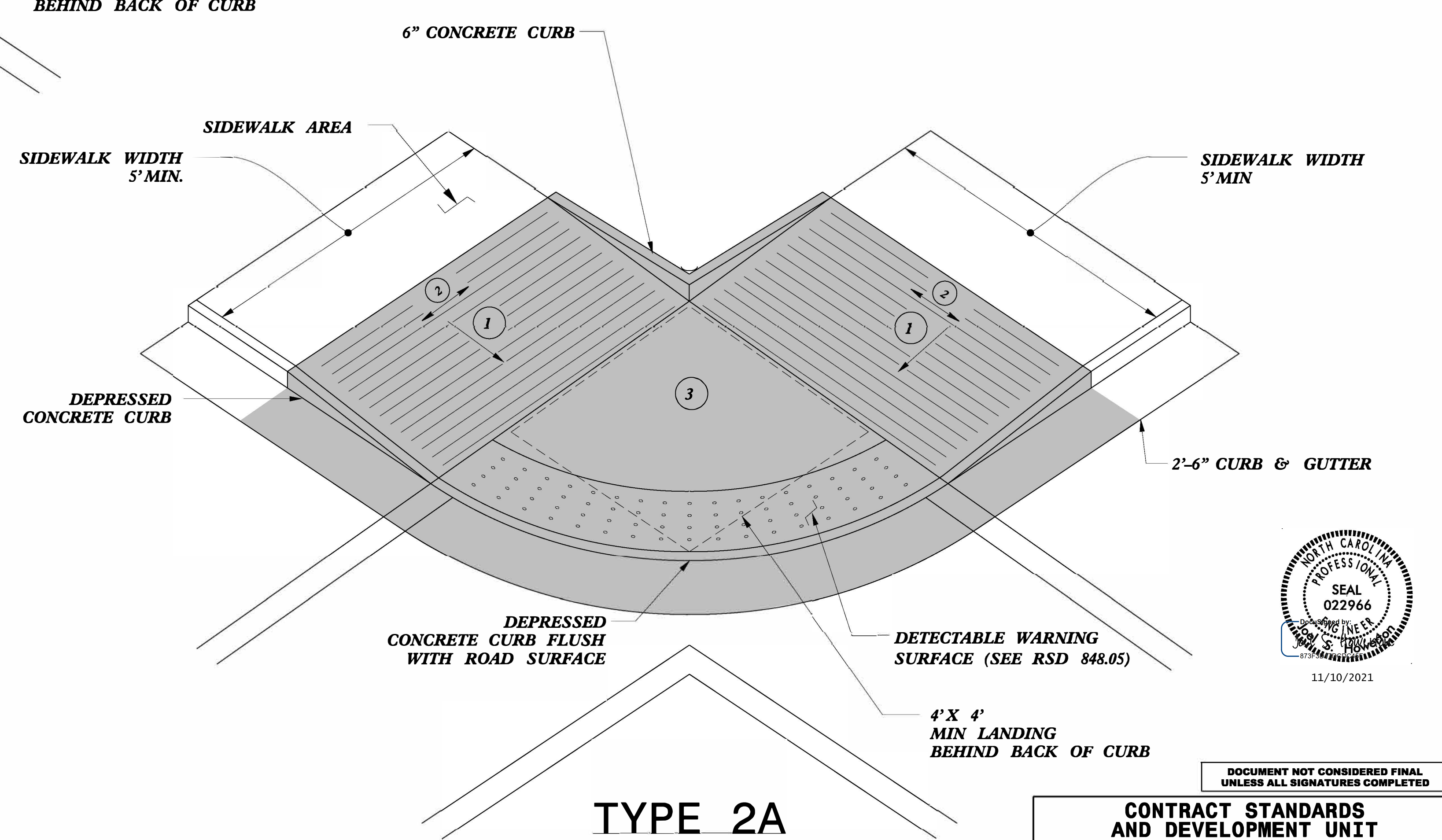
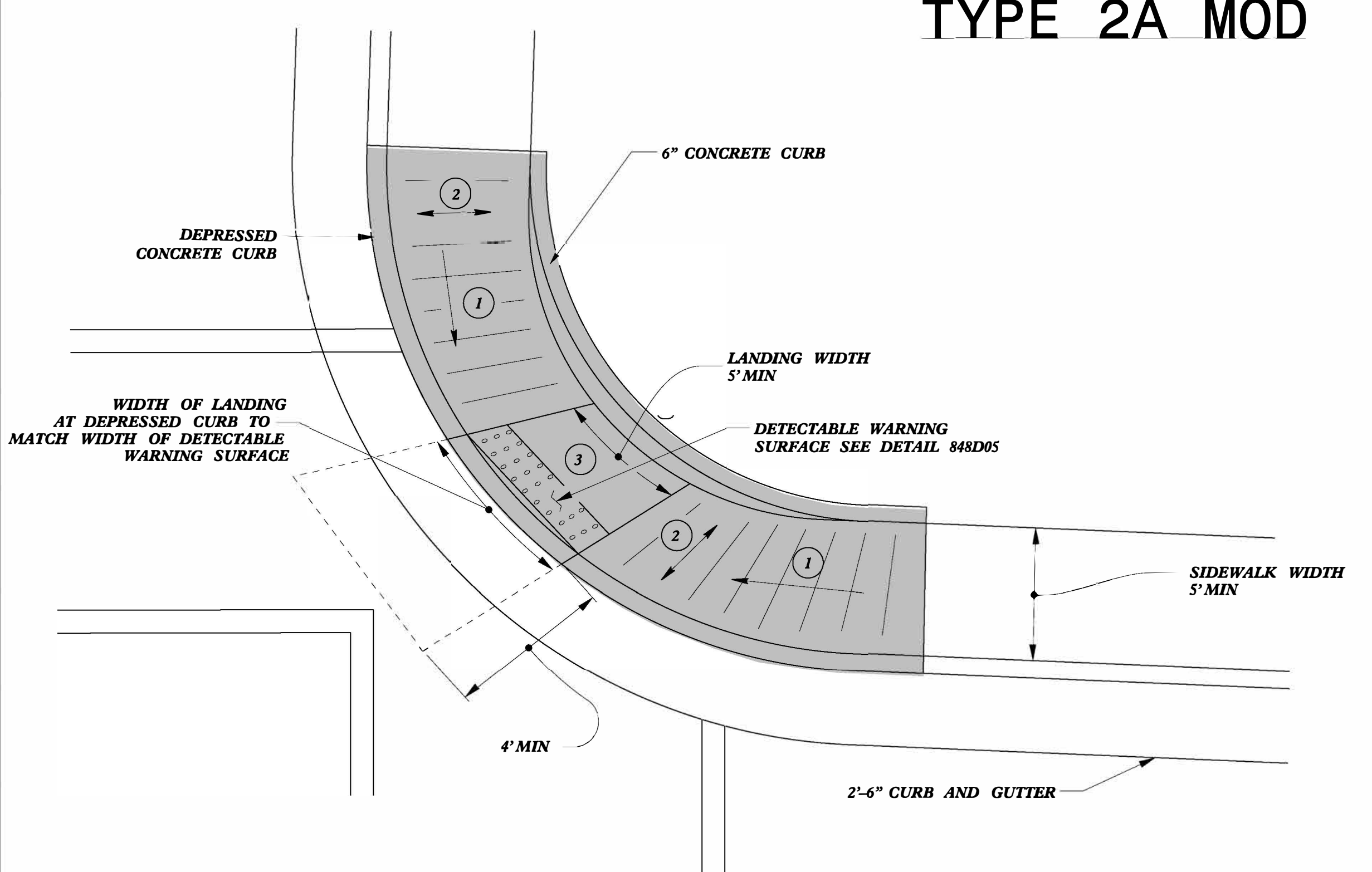
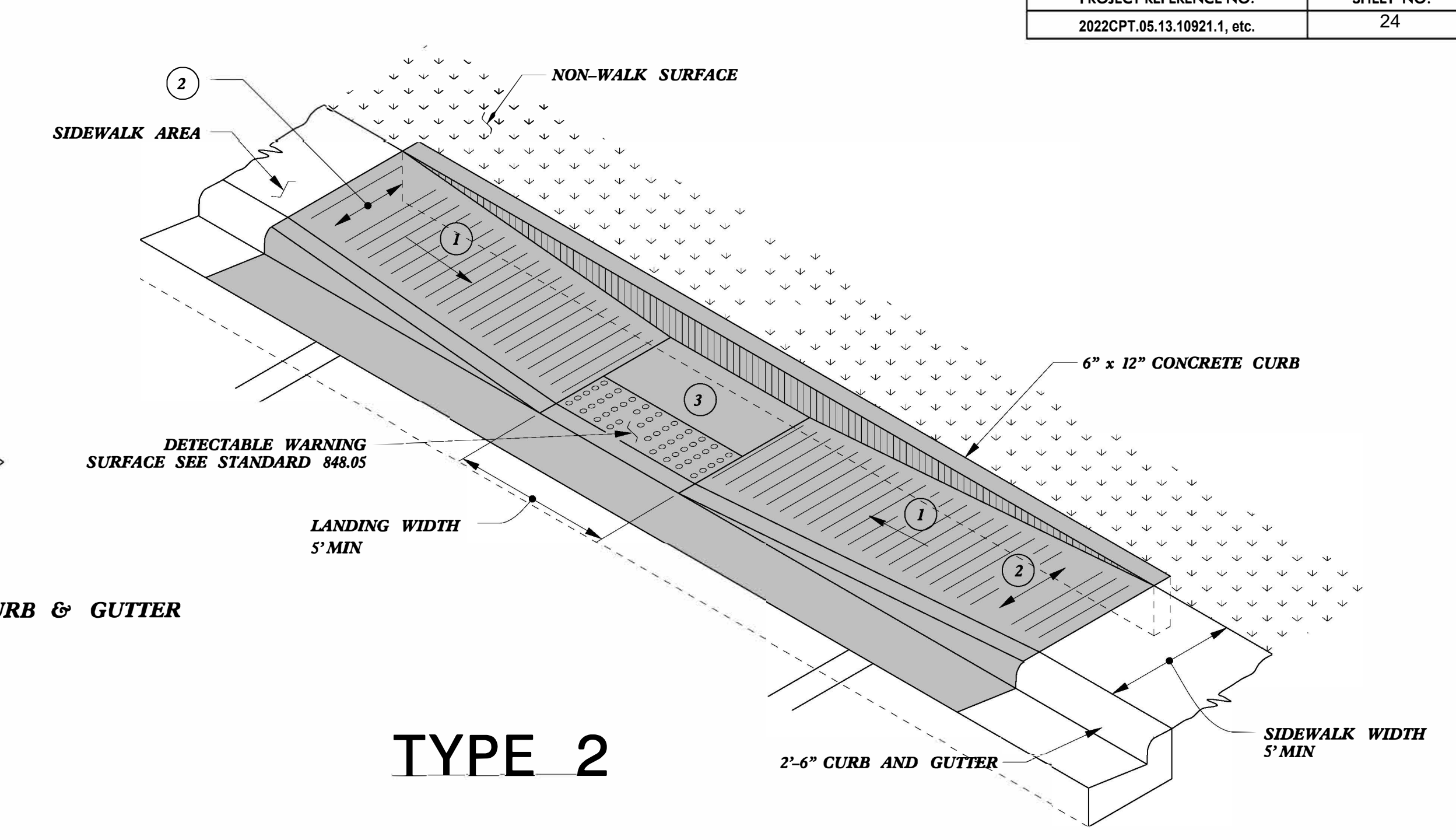
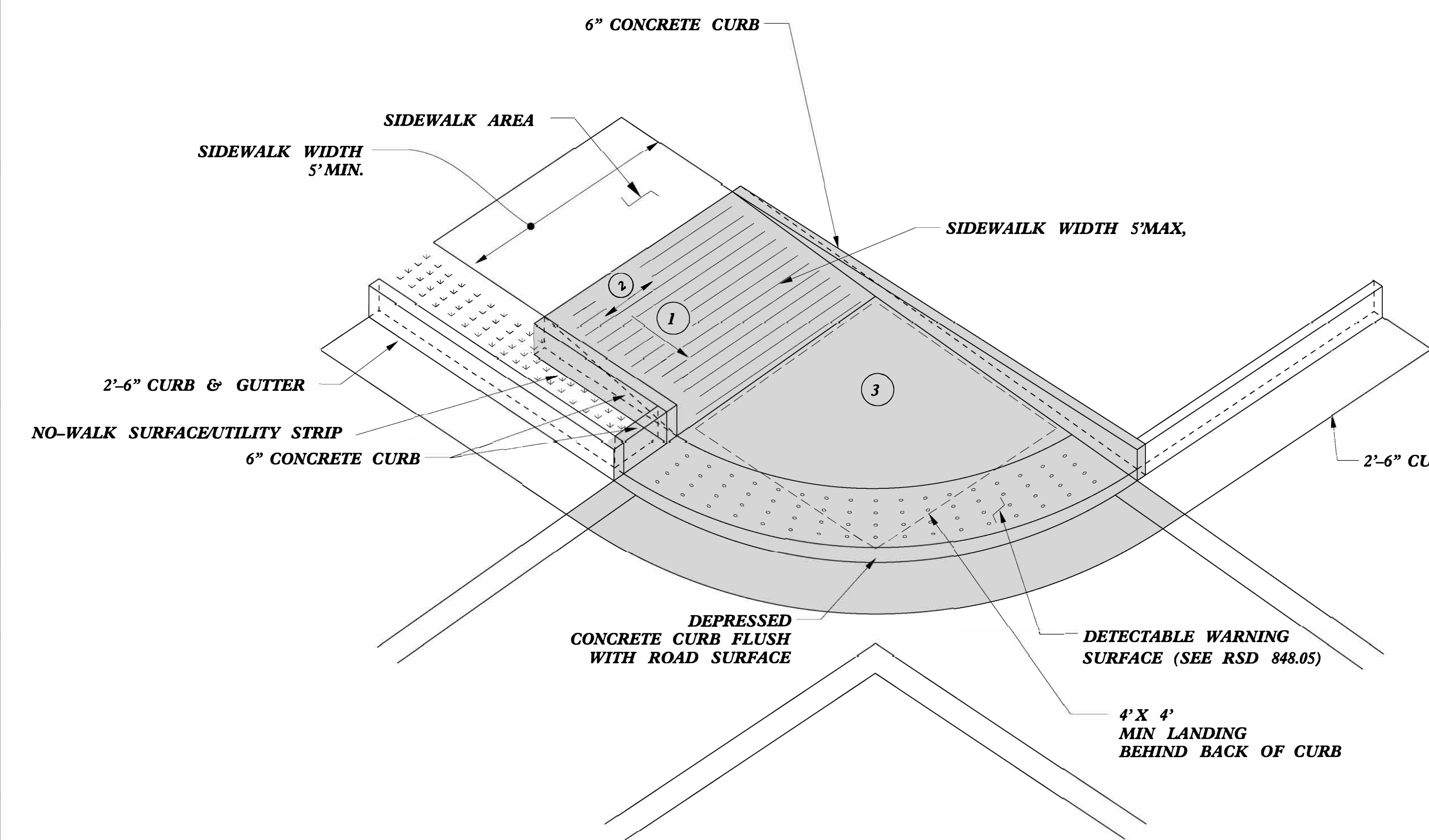


DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
CURB RAMPS @ DRIVEWAY OPENINGS	
ORIGINAL BY: J.S. HOWERTON	DATE: 7/7/11
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC: stds/2012CurbRamp/CurbRampDetails.dgn	

5/14/99
SECTION 05110 CURB AND GUTTERS
SUBSECTION 05110-01 CURB

5/14/99



- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

PAY LIMITS FOR 1 CURB RAMP

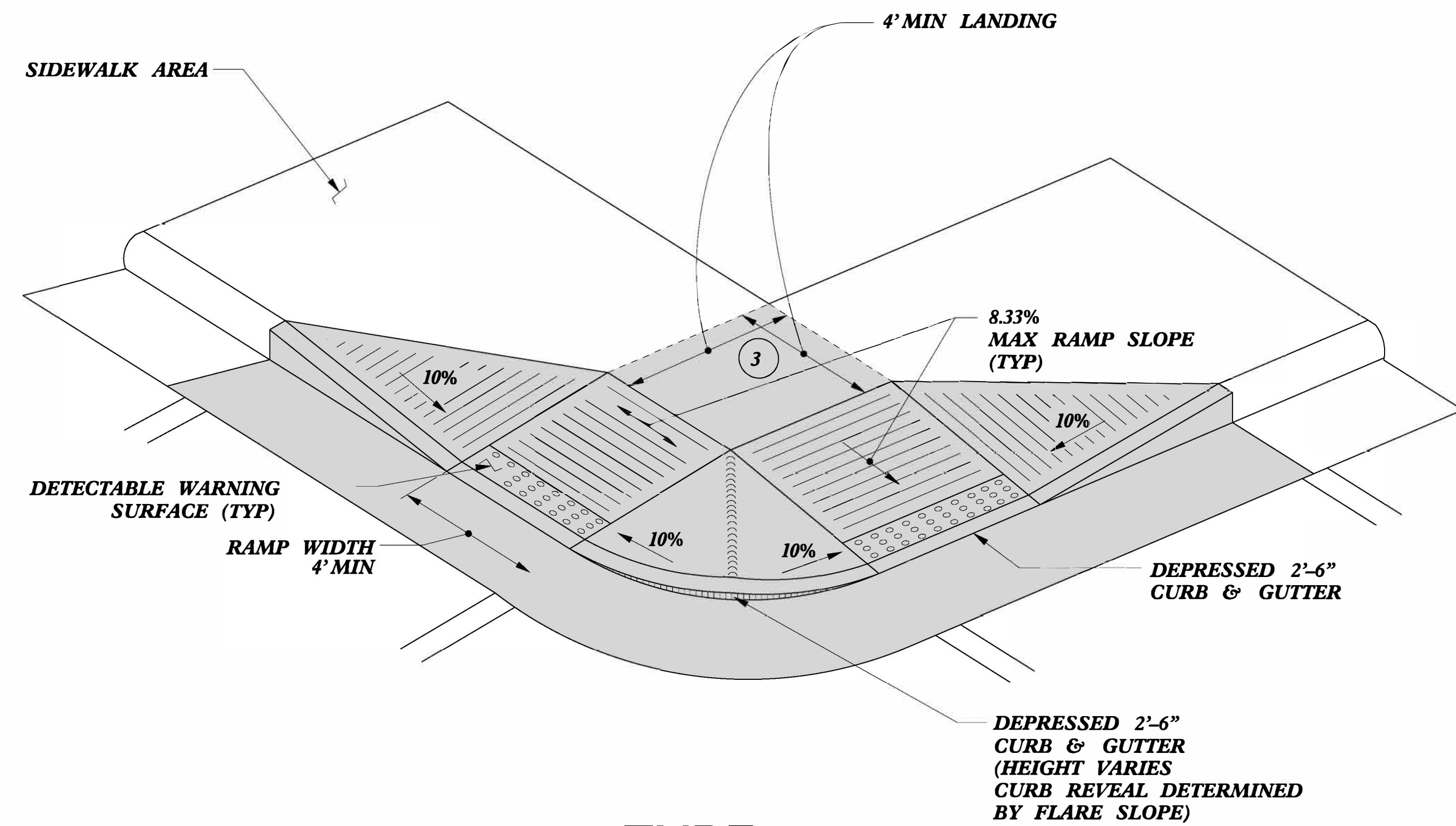


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

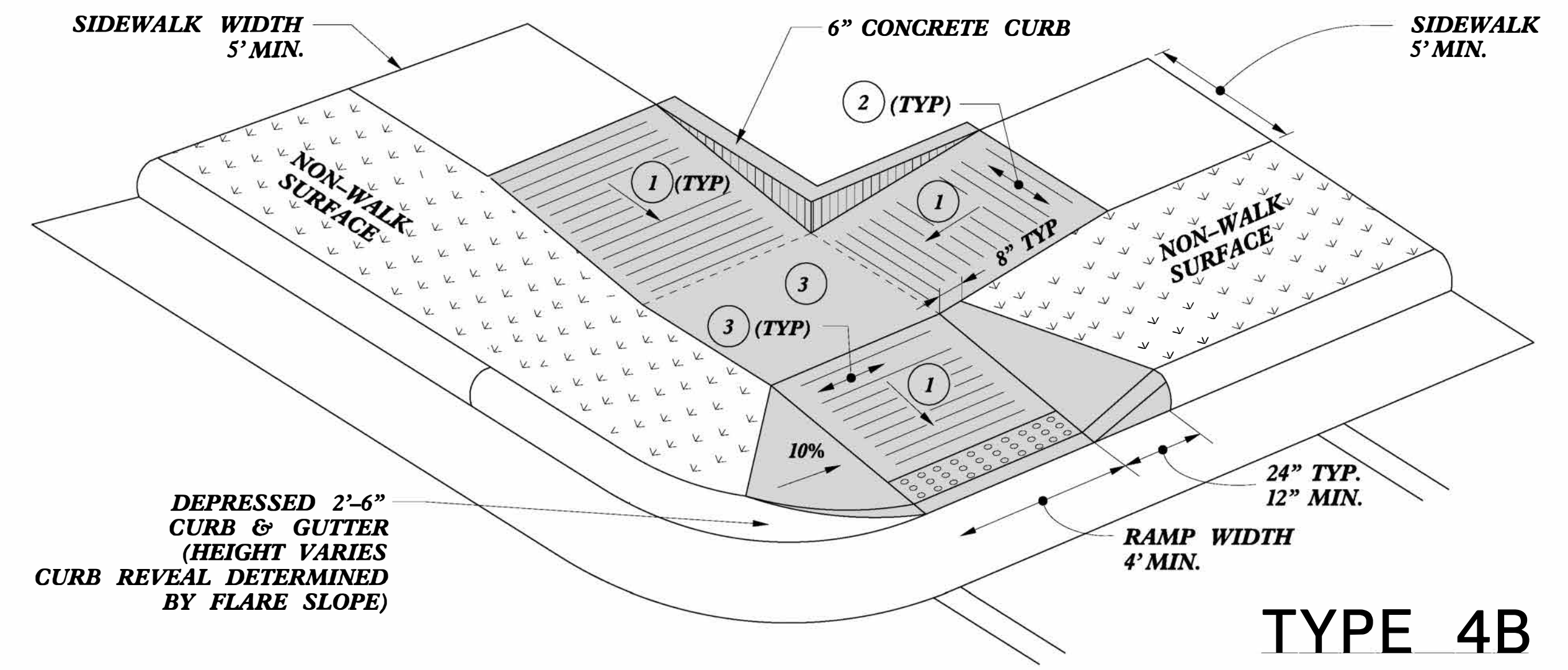
CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
CURB RAMPS	
ORIGINAL BY: J.S. HOWERTON	DATE: 7/7/11
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC. stds/2012CurbRamp/CurbRampDetails.dgn	

C:\TEMP\DWG\CURB RAMPS\CONTRACT STANDARDS AND DEVELOPMENT UNIT\J.S. HOWERTON

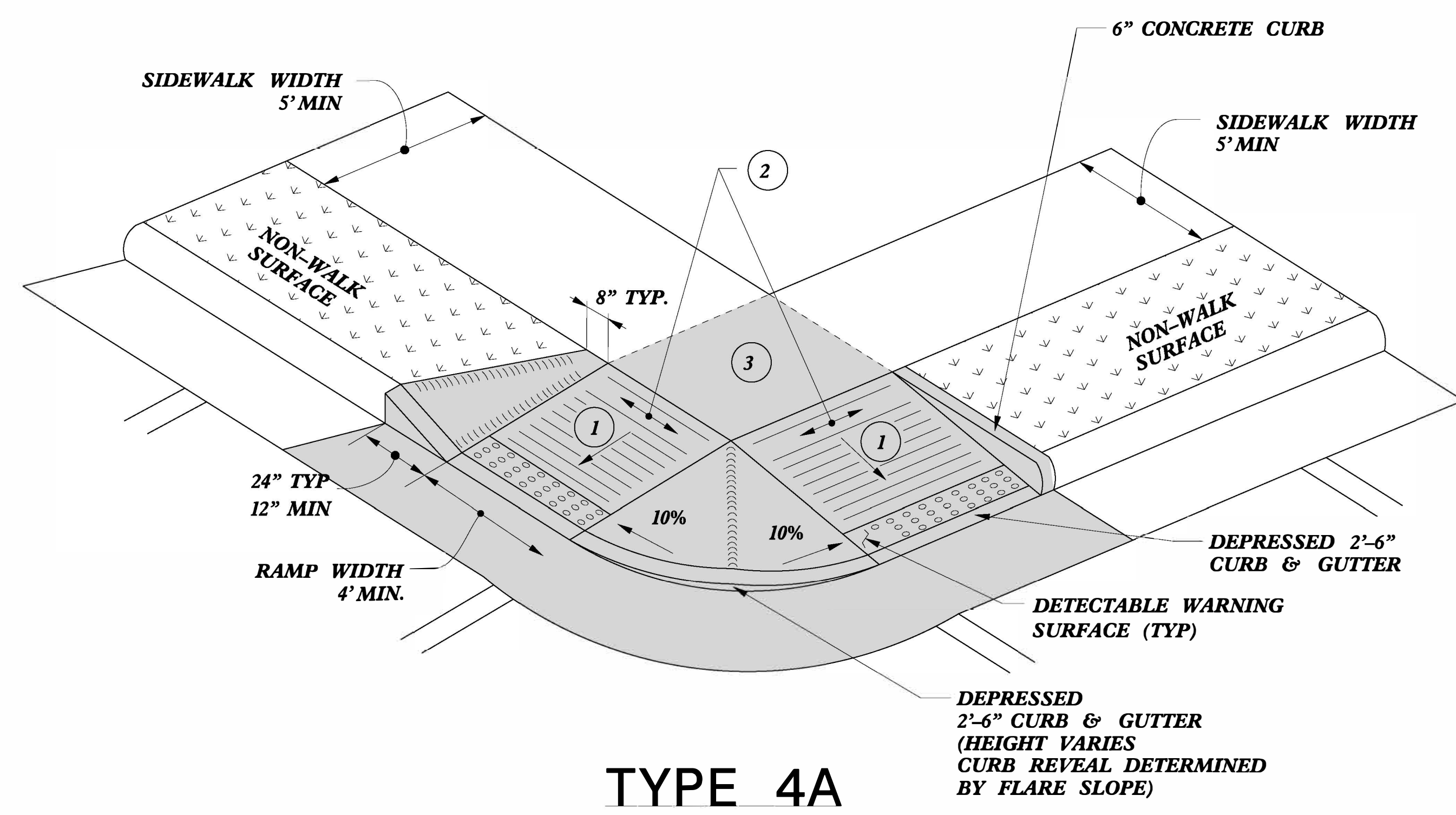
PAY LIMITS FOR 1 OR 2 CURB RAMPS
(CALCULATE BASED ON NUMBER OF SETS
OF TRUNCATED DOMES)



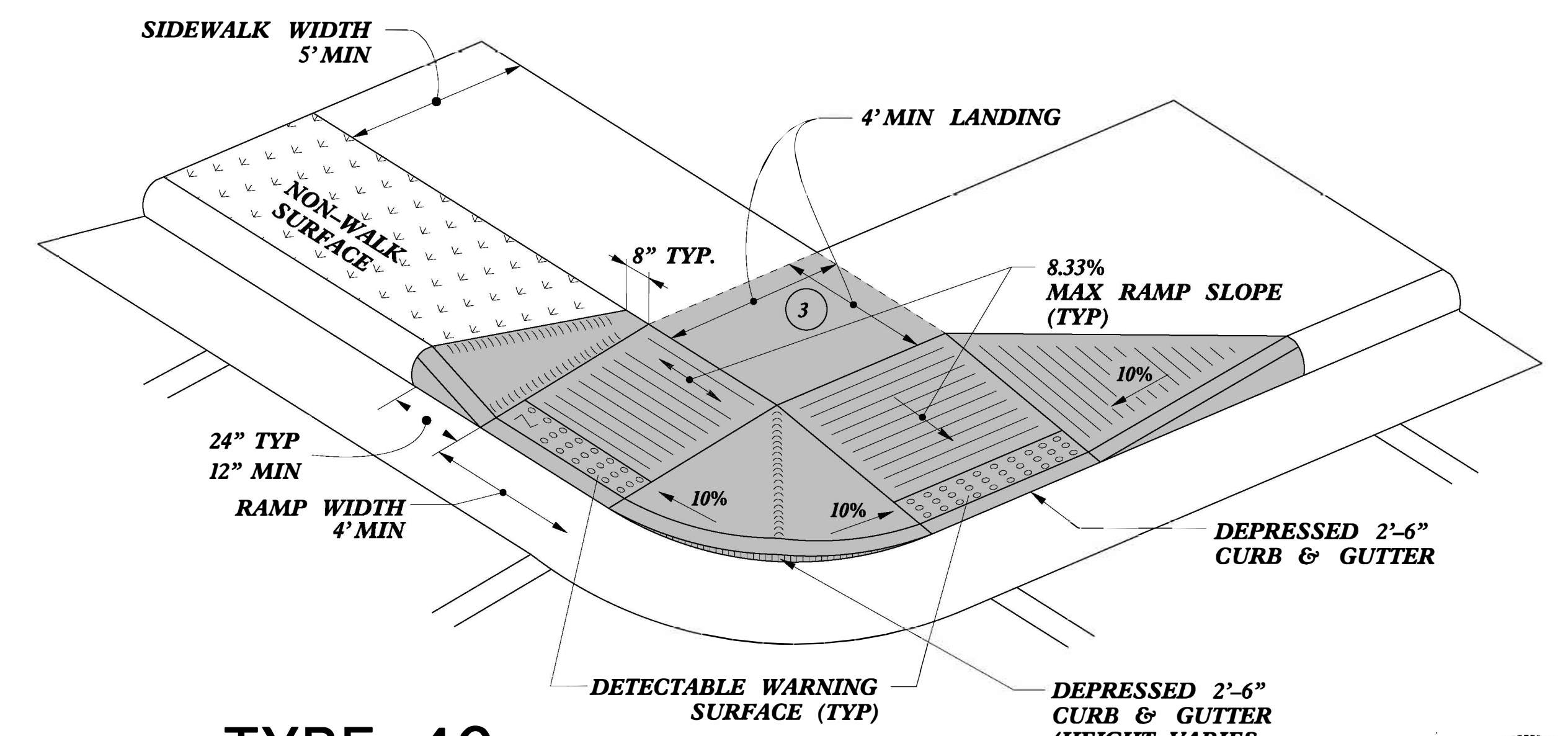
TYPE 4



TYPE 4B

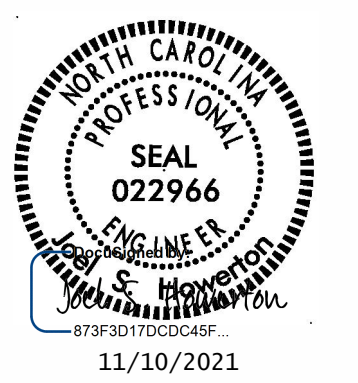


TYPE 4A



TYPE 4C

- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.



CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

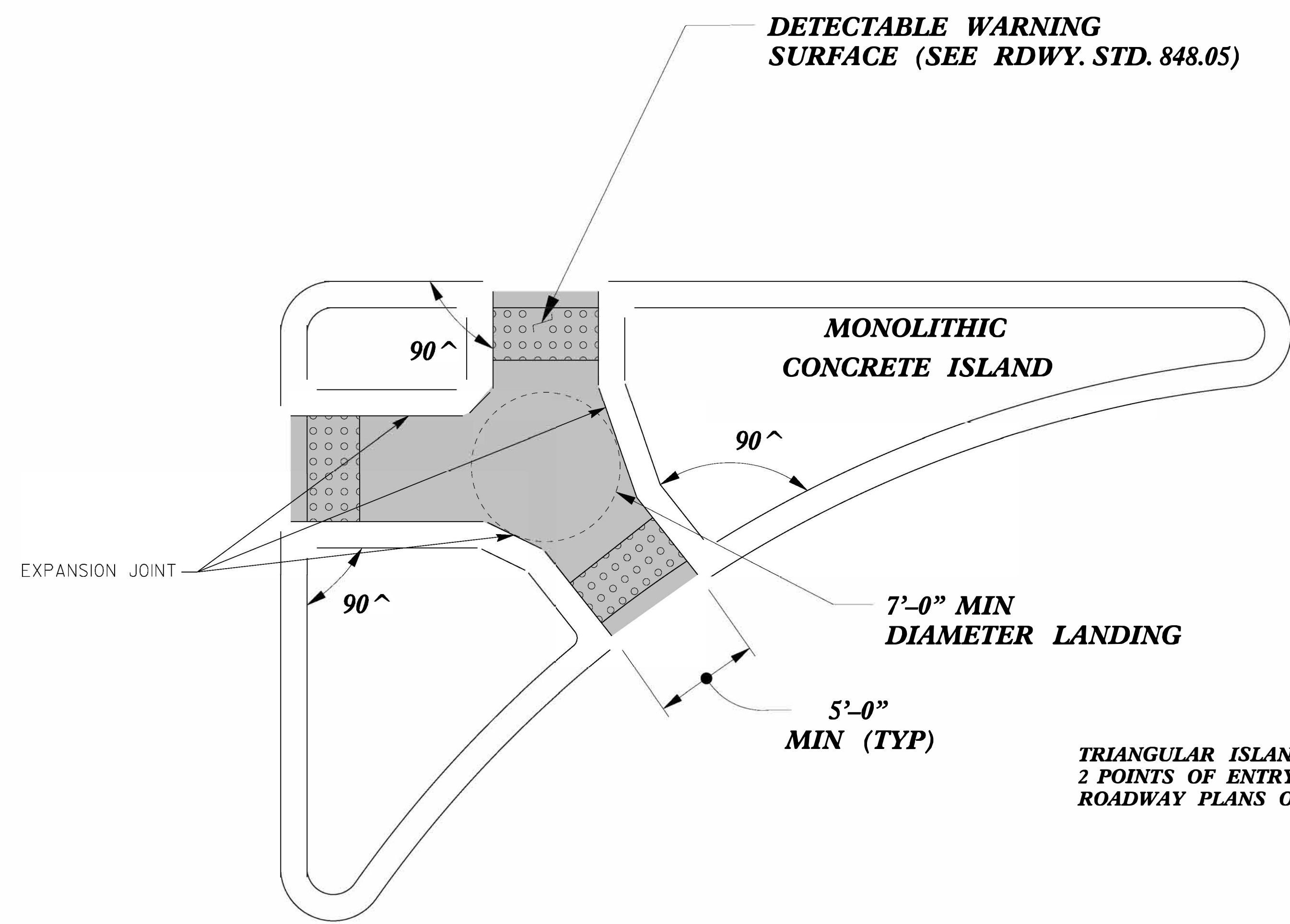
CURB RAMPS

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
 MODIFIED BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 FILE SPEC. :stds/2012CurbRamp/CurbRampDetails.dgn

REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

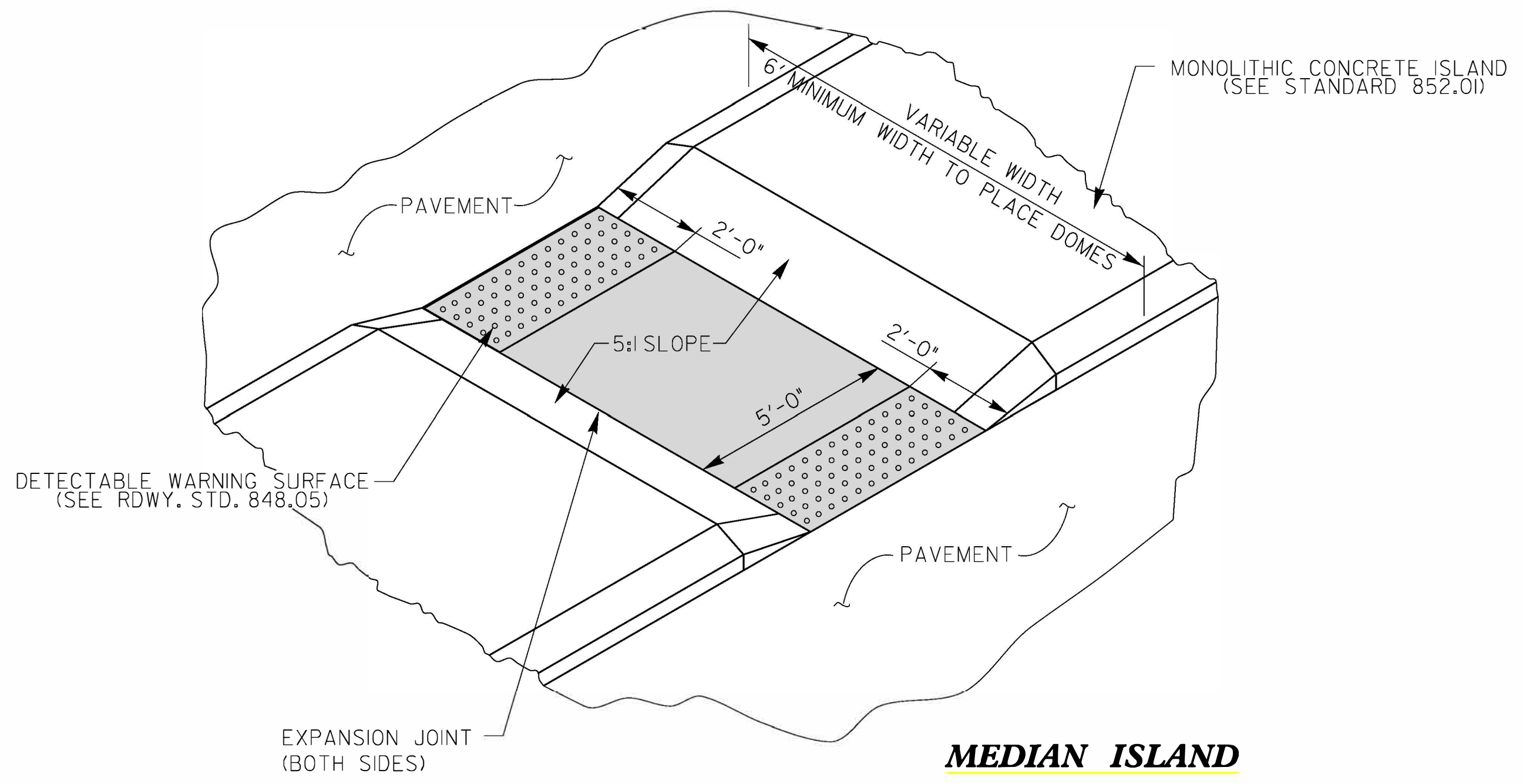
5/14/99
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 PLOT DATE: 11/10/2021 10:05:00 AM
 PLOT BY: J.S. HOWERTON
 PLOT SCALE: 1/1
 PLOT SHEET: 26 OF 26

PAY LIMITS FOR 2 OR 3 CURB RAMPS
(CALCULATE BASED ON NUMBER OF
SETS OF TRUNCATED DOMES)

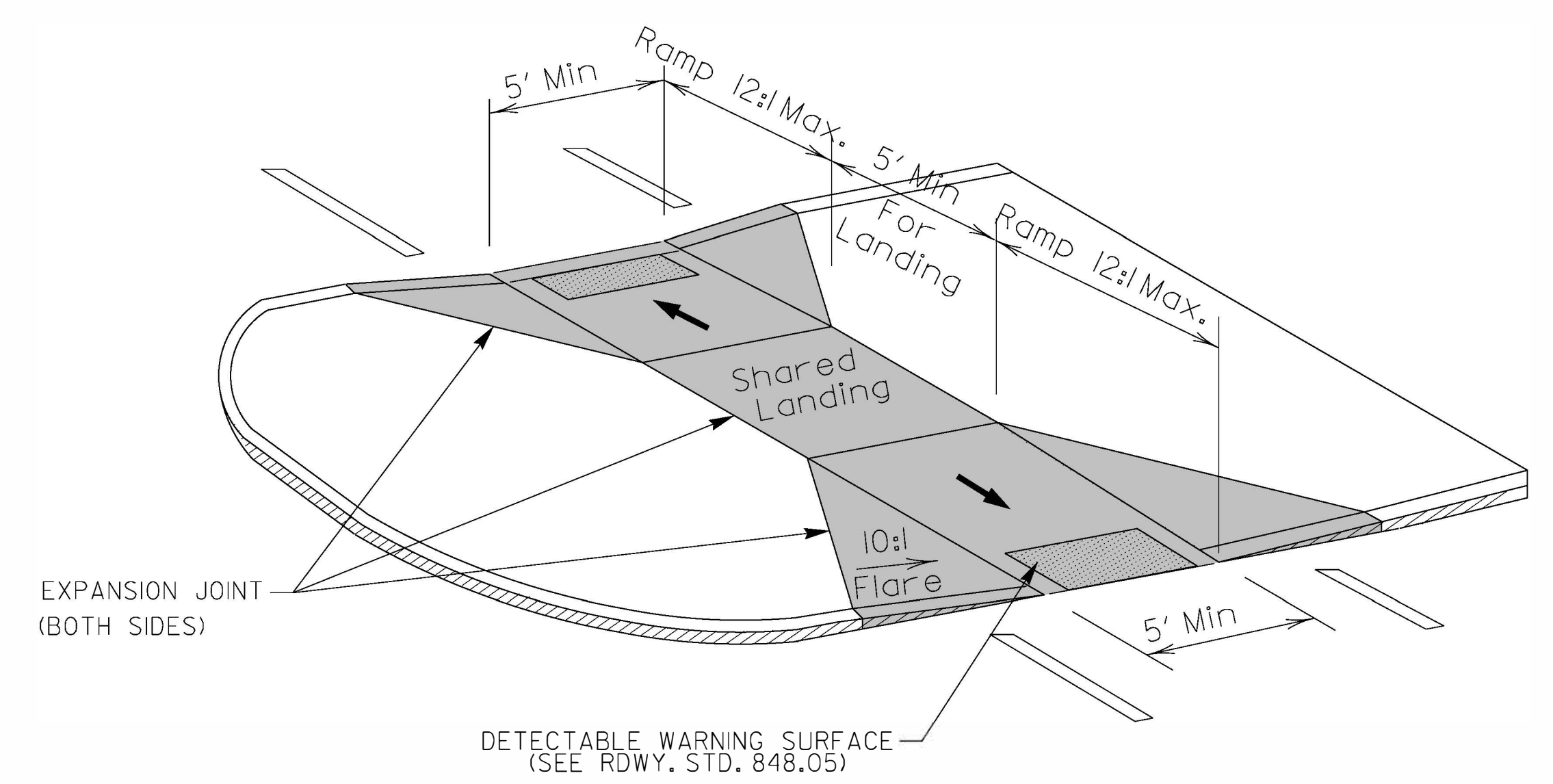


TRIANGULAR ISLANDS MAY BE CONSTRUCTED WITH ONLY
2 POINTS OF ENTRY AND EXIT AS SHOWN IN THE
ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER.

**TRIANGULAR ISLAND
WITH CUT THROUGH
TYPE 6**



**MEDIAN ISLAND
WITH CUT THROUGH
TYPE 7**



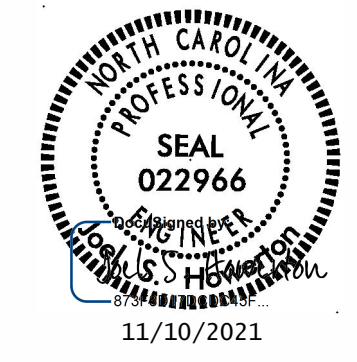
**MEDIAN ISLAND
CURB RAMPS
TYPE 8**

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

**CONTRACT STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

CURB RAMPS
Median or Turn Lane Islands

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC: stds/2012CurbRamp/CurbRampDetails.dgn



5/14/99
SYTIME
CONSULTING
SUGERNAVE

SUMMARY OF QUANTITIES

Project Number:	2023 East
WBS Number:	2022CPT.05.13.20921.1 2022CPT.05.13.10921.1
County:	Wake

Project Number	County	Municipality	Resurfacing Route	2549000000-E	2591000000-E	2738000000-E	2739000000-E	2845000000-N	4695000000-E	4860000000-E	2600000000-N	2613000000-N	2605000000-N	2759000000-E
				2'-6" Concrete Curb & Gutter	4" Concrete Sidewalk	Remove Sidewalk	Remove Island	Adjustment of Meter Boxes or Valve Boxes	8" X 90 MIL White Thermo	8" Line Removal	Retrofit Existing Curb Ramps	Remove and Replace Curb Ramps	Concrete Curb Ramps	Remove Curb Ramps
				LF	SY	SY	SY	EA	LF	LF	EA	EA	EA	EA
2023 East	Wake	Raleigh	Spring Forest Rd from US 1 to SR 2042	98	47	12	0	2	0	0	6	25	0	6
2023 East	Wake	Raleigh	Sinclair Dr from US 401 to End Maint	66	46	10	0	0	0	0	0	6	0	5
2023 East	Wake	Outside Municipality	Huntsboro Rd from SR 1007 to SR 4364	0	0	0	0	0	0	0	0	2	0	0
2023 East	Wake	Zebulon Wendell	US 64 Bus from SR 2364 to NC 96	18	11	3	3	0	0	0	8	10	3	1
2023 East	Wake	Zebulon	NC 97 from NC 96 to Franklin Co	0	0	0	0	0	100	100	4	1	5	0
GRAND TOTAL				182	104	25	3	2	100	100	18	44	8	12

SUMMARY OF QUANTITIES - SPRING FOREST RD FROM US 1 TO SR 2042

Municipality:	Raleigh
Project Number:	2023 East
WBS Number:	2022CPT.05.13.20921.1
County:	Wake

Ramp ID	Inset Map Number	Route 1	Route 2	254900000-E	259100000-E	273800000-E	273900000-E	284500000-N	469500000-E	486000000-E	260000000-N	261300000-N	260500000-N	275900000-E	Improvement Type
				2'-6" Concrete Curb & Gutter LF	4" Concrete Sidewalk SY	Remove Sidewalk SY	Remove Island SY	Adjustment of Meter Boxes or Valve Boxes EA	8" X 90 MIL White Thermo LF	8" Line Removal LF	Retrofit Existing Curb Ramps EA	Remove and Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramps EA	
3699	1	SR-2041 (Spring Forest Rd)	Greens Dairy Rd								1				RetrofitWarnings
3700	1	SR-2041 (Spring Forest Rd)	Greens Dairy Rd									1			Type8
3701	1	SR-2041 (Spring Forest Rd)	Greens Dairy Rd									1			Type1Modified
24413	1	SR-2041 (Spring Forest Rd)	Greens Dairy Rd									1			Type8
24414	2	SR-2041 (Spring Forest Rd)	East Millbrook Middle School (3801 Spring Forest Rd) West Entrance									1			Type1Modified
24415	2	SR-2041 (Spring Forest Rd)	East Millbrook Middle School (3801 Spring Forest Rd) West Entrance									1			Type1Modified
3702	3	SR-2041 (Spring Forest Rd)	Casa Del Rey Dr									1			Type1Modified
3707	4	SR-2041 (Spring Forest Rd)	Hollenden Dr									1			Type3Modified
3708	4	SR-2041 (Spring Forest Rd)	Hollenden Dr								1				RetrofitWarnings
3712	5	SR-2041 (Spring Forest Rd)	Conn Magnet Elementary School (3851 Spring Forest Rd) Entrance									1			Type1Modified
3713	5	SR-2041 (Spring Forest Rd)	Conn Magnet Elementary School (3851 Spring Forest Rd) Entrance					1				1			Type1Modified
3714	6	SR-2041 (Spring Forest Rd)	Primary Beginnings (4001 Spring Forest Rd) Entrance									1			Type1Modified
3715	6	SR-2041 (Spring Forest Rd)	Primary Beginnings (4001 Spring Forest Rd) Entrance									1			Type1Modified
3716	6	SR-2041 (Spring Forest Rd)	Sedgewick Dr									1			Type1B
3717	6	SR-2041 (Spring Forest Rd)	Sedgewick Dr									1			Type1Modified
3718	7	SR-2041 (Spring Forest Rd)	Meadows Townhomes (4125 Spring Forest Rd) Entrance								1				RetrofitWarnings
3719	7	SR-2041 (Spring Forest Rd)	Meadows Townhomes (4125 Spring Forest Rd) Entrance					1				1			Type1Modified
3720	8	SR-2041 (Spring Forest Rd)	Spring Forest Road Park (4203 Spring Forest Rd) Entrance									1			Type1Modified
3721	8	SR-2041 (Spring Forest Rd)	Spring Forest Road Park (4203 Spring Forest Rd) Entrance									1			Type1Modified
3723	9	SR-2041 (Spring Forest Rd)	Raleigh Fire Station 19 (4209 Spring Forest Rd) Entrance									1			Type1Modified
3722	9	SR-2041 (Spring Forest Rd)	Raleigh Fire Station 19 (4209 Spring Forest Rd) Entrance									1			Type1Modified
3726	10	SR-2041 (Spring Forest Rd)	Moss Hill Dr	18	10	2								1	Remove Ramp
3727	10	SR-2041 (Spring Forest Rd)	Moss Hill Dr									1			Type1Modified
3728	10	SR-2041 (Spring Forest Rd)	Moss Hill Dr									1			Type3Modified
3729	10	SR-2041 (Spring Forest Rd)	Moss Hill Dr	16	9	2								1	Remove Ramp
3730	10	SR-2041 (Spring Forest Rd)	Somerset Springs Dr	18	10	2								1	Remove Ramp
3731	10	SR-2041 (Spring Forest Rd)	Somerset Springs Dr									1			Type3Modified
3724	10	SR-2041 (Spring Forest Rd)	Somerset Springs Dr									1			Type1Modified
3725	10	SR-2041 (Spring Forest Rd)	Somerset Springs Dr	16	9	2								1	Remove Ramp
3732	11	SR-2041 (Spring Forest Rd)	SR-2042 (Fox Rd)									1			Standard - 848.06
3733	11	SR-2041 (Spring Forest Rd)	SR-2042 (Fox Rd)									1			Standard - 848.06
3734	11	SR-2041 (Spring Forest Rd)	SR-2042 (Fox Rd)								1				RetrofitWarnings
3735	11	SR-2041 (Spring Forest Rd)	SR-2042 (Fox Rd)								1				RetrofitWarnings
3736	11	SR-2041 (Spring Forest Rd)	SR-2042 (Fox Rd)									1			Standard - 848.06
3737	11	SR-2041 (Spring Forest Rd)	SR-2042 (Fox Rd)	15		2								1	Remove Ramp
3738	11	SR-2041 (Spring Forest Rd)	SR-2042 (Fox Rd)	15	9	2								1	Remove Ramp
3739	11	SR-2041 (Spring Forest Rd)	SR-2042 (Fox Rd)								1				RetrofitWarnings
Sub-Total for Spring Forest Rd from US 1 to SR 2042				98	47	12	0	2	0	0	6	25	0	6	

SUMMARY OF QUANTITIES - SINCLAIR DR FROM US 401 TO END MAINT

Municipality:	Raleigh
Project Number:	2023 East
WBS Number:	2022CPT.05.13.20921.1
County:	Wake

Ramp ID	Inset Map Number	Route 1	Route 2	2549000000-E	2591000000-E	2738000000-E	2739000000-E	2845000000-N	4695000000-E	4860000000-E	2600000000-N	2613000000-N	2605000000-N	2759000000-E	Improvement Type
				2'-6" Concrete Curb & Gutter LF	4" Concrete Sidewalk SY	Remove Sidewalk SY	Remove Island SY	Adjustment of Meter Boxes or Valve Boxes EA	8" X 90 MIL White Thermo LF	8" Line Removal LF	Retrofit Existing Curb Ramps EA	Remove and Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramps EA	
12722	1	SR-4413 (Sinclair Dr)	Bur Trl	12	5	2								1	Remove Ramp
12723	1	SR-4413 (Sinclair Dr)	Bur Trl									1			Type1Modified
12724	1	SR-4413 (Sinclair Dr)	Bur Trl									1			Type1Modified
12725	1	SR-4413 (Sinclair Dr)	Bur Trl	12	5	2								1	Remove Ramp
6978	2	SR-4413 (Sinclair Dr)	Waxhaw Ct									1			Type1Modified
6979	2	SR-4413 (Sinclair Dr)	Waxhaw Ct	12	5	2								1	Remove Ramp
6980	2	SR-4413 (Sinclair Dr)	Waxhaw Ct									1			Type1Modified
6981	2	SR-4413 (Sinclair Dr)	Waxhaw Ct	12	5	2								1	Remove Ramp
6986	3	SR-4413 (Sinclair Dr)	Remington Lake Dr	18	9	2								1	Remove Ramp
6987	3	SR-4413 (Sinclair Dr)	Remington Lake Dr									1			Type3Modified
6988	3	SR-4413 (Sinclair Dr)	Remington Lake Dr		17							1			Type1Modified
Sub-Total for Sinclair Dr from US 401 to End Maint				66	46	10	0	0	0	0	0	6	0	5	

SUMMARY OF QUANTITIES - HUNTSBORO RD FROM SR 1007 TO SR 4364

Municipality:	Outside Municipality
Project Number:	2023 East
WBS Number:	2022CPT.05.13.20921.1
County:	Wake

Ramp ID	Inset Map Number	Route 1	Route 2	2549000000-E	2591000000-E	2738000000-E	2739000000-E	2845000000-N	4695000000-E	4860000000-E	2600000000-N	2613000000-N	2605000000-N	27590000000-E	Improvement Type
				2'-6" Concrete Curb & Gutter LF	4" Concrete Sidewalk SY	Remove Sidewalk SY	Remove Island SY	Adjustment of Meter Boxes or Valve Boxes EA	8" X 90 MIL White Thermo LF	8" Line Removal LF	Retrofit Existing Curb Ramps EA	Remove and Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramps EA	
1946	1	SR-4364 (Rutledge Landing Dr)	SR-4334 (Huntsboro Rd)									1			Type1Modified
1947	1	SR-4364 (Rutledge Landing Dr)	SR-4334 (Huntsboro Rd)									1			Type1Modified
Sub-Total for Huntsboro Rd from SR 1007 to SR 4364				0	0	0	0	0	0	0	0	2	0	0	

SUMMARY OF QUANTITIES - US 64 BUS FROM SR 2364 TO NC 96

Municipality:	Zebulon
	Wendell
Project Number:	2023 East
WBS Number:	2022CPT.05.13.10921.1
County:	Wake

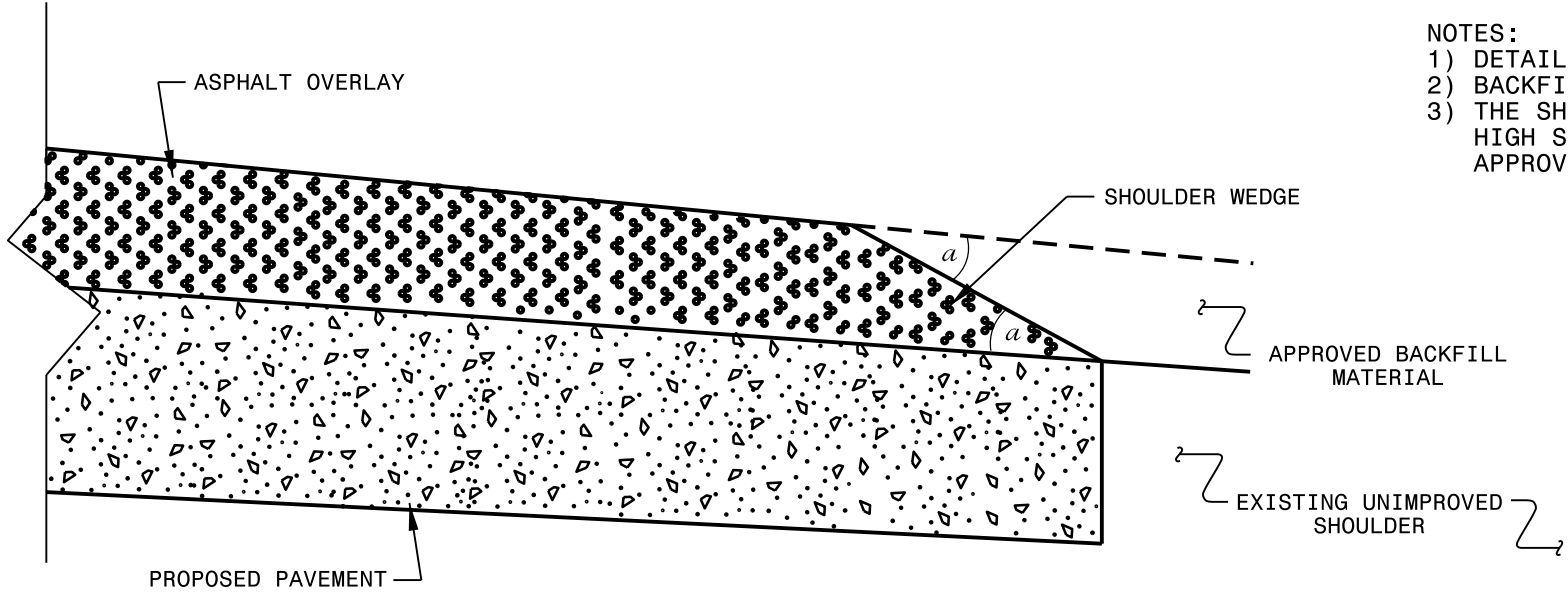
Ramp ID	Inset Map Number	Route 1	Route 2	2549000000-E	2591000000-E	2738000000-E	2739000000-E	2845000000-N	4695000000-E	4860000000-E	2600000000-N	2613000000-N	2605000000-N	2759000000-E	Improvement Type
				2'-6" Concrete Curb & Gutter LF	4" Concrete Sidewalk SY	Remove Sidewalk SY	Remove Island SY	Adjustment of Meter Boxes or Valve Boxes EA	8" X 90 MIL White Thermo LF	8" Line Removal LF	Retrofit Existing Curb Ramps EA	Remove and Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramps EA	
105	1	US-64-BUS (Wendell Blvd)	Dollar General (2921 Wendell Blvd) Entrance								1				RetrofitWarnings
102	2	US-64-BUS (Wendell Blvd)	Interfood Plaza Supermarket (2971 Wendell Blvd) Entrance								1				RetrofitWarnings
103	2	US-64-BUS (Wendell Blvd)	Neuse River Veterinary Hospital (2961 Wendell Blvd) Entrance									1			Type1Modified
104	2	US-64-BUS (Wendell Blvd)	Neuse River Veterinary Hospital (2961 Wendell Blvd) Entrance									1			Type1Modified
25	3	US-64-BUS (Wendell Blvd)	W Academy St									1			Type1Modified
27	3	US-64-BUS (Wendell Blvd)	W Academy St										1		Type1A
26	4	US-64-BUS (Wendell Blvd)	SR-1007 (N Buffalo St) / Wall St										1		Type3
28	4	US-64-BUS (Wendell Blvd)	SR-1007 (N Buffalo St) / Wall St									1			Type1B
38	5	US-64-BUS (Wendell Blvd)	N Cypress St								1				RetrofitWarnings
41	6	US-64 BUS (Wendell Blvd)	N Main St									1			Type1Modified
24420	6	US-64 BUS (Wendell Blvd)	N Main St	4	3								1		Type1
50	6	US-64-BUS (Wendell Blvd)	N Main St								1				RetrofitWarnings
48	7	US-64-BUS (Wendell Blvd)	First citizens Bank (3650 Wendell Blvd) Entrance									1			Type1Modified
53	8	US-64-BUS (Wendell Blvd)	N Oakwood Ave								1				RetrofitWarnings
54	9	US-64-BUS (Wendell Blvd)	N Hollybrook Rd								1				RetrofitWarnings
55	9	US-64-BUS (Wendell Blvd)	N Hollybrook Rd									1			Type1
56	9	US-64-BUS (Wendell Blvd)	N Hollybrook Rd								1				RetrofitWarnings
24428	10	US-64 BUS (Wendell Blvd)	Cedarmere Dr								1				RetrofitWarnings
260	11	US-64 BUS (W Gannon Ave)	Shopping Center (407 W Gannon Ave) Entrance	14	8	3								1	Remove Ramp
227	12	US-64-BUS (W Gannon Ave)	Rotary Dr									1			Type1Modified
228	12	US-64-BUS (W Gannon Ave)	Rotary Dr									1			Type1Modified
213	13	US-64 BUS (W Gannon Ave)	AutoZone (105 W Gannon Ave) Entrance									1			Type1Modified
24455	14	US-64-BUS (W Gannon Ave)	Walgreens (101 W Gannon Ave) Entrance				3								-
Sub-Total for US 64 Bus from SR 2364 to NC 96				18	11	3	3	0	0	0	8	10	3	1	

SUMMARY OF QUANTITIES - NC 97 FROM NC 96 TO FRANKLIN CO

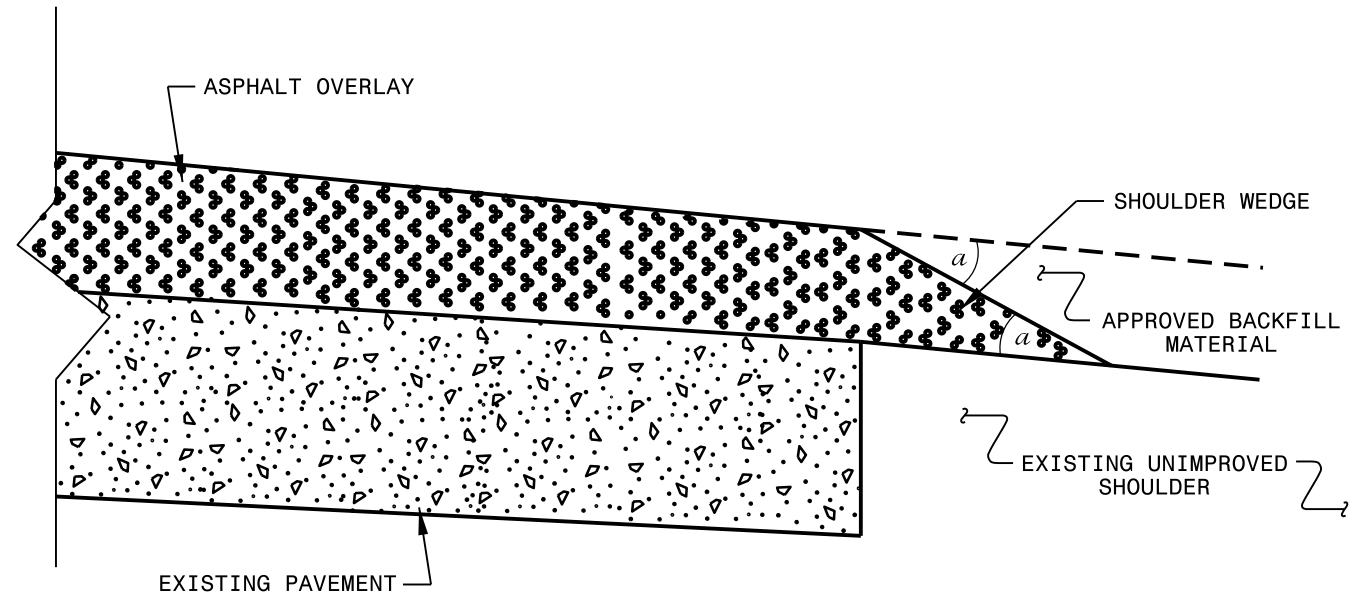
Municipality:	Zebulon
Project Number:	2023 East
WBS Number:	2022CPT.05.13.10921.1
County:	Wake

Ramp ID	Inset Map Number	Route 1	Route 2	2549000000-E	2591000000-E	2738000000-E	2739000000-E	2845000000-N	4695000000-E	4860000000-E	2600000000-N	2613000000-N	2605000000-N	2759000000-E	Improvement Type
				2'-6" Concrete Curb & Gutter LF	4" Concrete Sidewalk SY	Remove Sidewalk SY	Remove Island SY	Adjustment of Meter Boxes or Valve Boxes EA	8" X 90 MIL White Thermo LF	8" Line Removal LF	Retrofit Existing Curb Ramps EA	Remove and Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramps EA	
180	1	NC-97 (E Gannon Ave)	Rite-Aid (320 N Arendell Ave) Entrance								1				RetrofitWarnings
182	1	NC-97 (E Gannon Ave)	Rite-Aid (320 N Arendell Ave) Entrance						100	100	1				RetrofitWarnings
24448	1	NC-97 (E Gannon Ave)	Rite-Aid (320 N Arendell Ave) Entrance										1		Type7
24449	1	NC-97 (E Gannon Ave)	Rite-Aid (320 N Arendell Ave) Entrance										1		Type7
178	2	NC-97 (E Gannon Ave)	Rite-Aid (320 N Arendell Ave) Back Entrance									1			Type1Modified
179	2	NC-97 (E Gannon Ave)	Rite-Aid (320 N Arendell Ave) Back Entrance								1				RetrofitWarnings
174	3	NC-97 (E Gannon Ave)	NC Eye Associates (817 E Gannon Ave) Entrance										1		Type3Modified
175	3	NC-97 (E Gannon Ave)	NC Eye Associates (817 E Gannon Ave) Entrance										1		Type6
24001	3	NC-97 (E Gannon Ave)	NC Eye Associates (817 E Gannon Ave) Entrance										1		Type6
24438	4	NC-97 (E Gannon Ave)	SR-2404 (Old US 264 Hwy)								1				RetrofitWarnings
Sub-Total for NC 97 from NC 96 to Franklin Co				0	0	0	0	0	100	100	4	1	5	0	

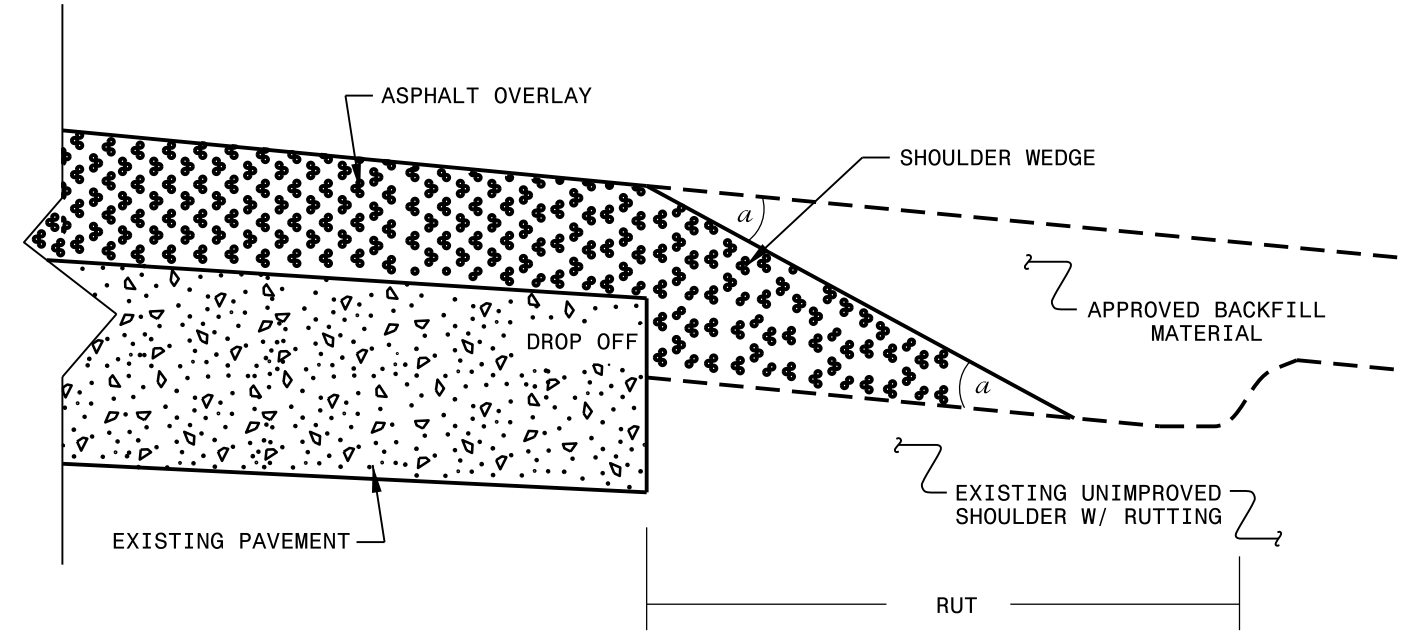
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ Widening or
 with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ NO Widening)



SHOULDER WEDGE DETAIL
 (Resurfacing Adjacent to
 Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950 FAX 919-250-4119	
SHOULDER WEDGE DETAILS	
ORIGINAL BY: T.SPELL	DATE: 7-19-11
MODIFIED BY:	DATE: 2/2/16
CHECKED BY:	DATE:
FILE SPEC.: s:\usr\detatl1s\stand\shoulderwedgedetatl1.dgn	

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

\$\$\$\$SYTIME\$\$\$\$
 \$\$\$USERNAME\$\$\$

PROJECT NO.	SHEET NO.	TOTAL NO.
2022CPT.05.13.10921.1, etc.	36	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	0106000000-E	0264000000-E	1220000000-E	1260000000-E	1297000000-E		1330000000-E	1519000000-E	1523000000-E	1575000000-E	1704000000-E		
												BORROW EXCAVATION	SHOULDER GRADING	INCIDENTAL STONE BASE	AGGREGATE SHOULDER BORROW	1 1/2" MILLING	2" MILLING	1.25" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	
											MI	FT	CY	SMI	TONS	TON	SY	SY	SY	TONS	TONS	TON	TONS	
2022CPT.05.13.10921.1	Wake	1	US 64 BUS	FROM SR 2364 TO NC 96	1	2	2WU	NO	NO	5.22	24-36	50	8.00	80	2,300	93,099		3,460	7,970		535	800		
TOTAL FOR MAP NO. 1											5.22		50	8.00	80	2,300	93,099		3,460	7,970		535	800	
2022CPT.05.13.10921.1	Wake	2	NC 97	FROM NC 96 TO FRANKLIN CO. LINE	2	2	2WU	NO	NO	3.11	24-36	50	4.00	30	1,100	53,453		2,777		4,730	285	325		
TOTAL FOR MAP NO. 2											3.11		50	4.00	30	1,100	53,453		2,777		4,730	285	325	
TOTAL FOR PROJ NO. 2022CPT.05.13.10921.1											8.33		100	12.00	110	3,400	146,552		6,237	7,970		4,730	820	1,125
2022CPT.05.13.20921.1	Wake	3	SPRING FOREST RD (SR 2041)	FROM US 1 TO SR 2042	3	4		NO	NO	0.65	62						28,162	749		3,240	195	248		
TOTAL FOR MAP NO. 3											0.65							28,162	749		3,240	195	248	
2022CPT.05.13.20921.1	Wake	4	COFFEY ST (SR2292)	SR 2217 TO DEAD END	4	2	2WU	NO	NO	0.24	18							113	200		15	16		
TOTAL FOR MAP NO. 4											0.24								113	200		15	16	
2022CPT.05.13.20921.1	Wake	5	BROOKDALE DR (SR 2296)	SR 4308 TO END MAINTENANCE	4	2	2WU	NO	NO	0.06	20								70		5	7		
TOTAL FOR MAP NO. 5											0.06									70		5	7	
2022CPT.05.13.20921.1	Wake	6	CHELRAY CT (SR 4305)	SR 4305 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.04	18								50		5	11		
TOTAL FOR MAP NO. 6											0.04									50		5	11	
2022CPT.05.13.20921.1	Wake	7	HARVEST CT (SR 4306)	SR 4308 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.04	18								49		5	7		
TOTAL FOR MAP NO. 7											0.04									49		5	7	
2022CPT.05.13.20921.1	Wake	8	RANDOM PL (SR 4307)	SR 4307 TO SR CUL-DE-SAC	4	2	2WU	NO	NO	0.03	18	30	0.05						40		5	7		
TOTAL FOR MAP NO. 8											0.03		30	0.05						40		5	7	
2022CPT.05.13.20921.1	Wake	9	WAKEBROOK DR (SR 4308)	CUL-DE-SAC TO CUL-DE-SAC	4	2	2WU	NO	NO	0.38	18							111	328		25	16		
TOTAL FOR MAP NO. 9											0.38								111	328		25	16	
2022CPT.05.13.20921.1	Wake	10	HOSPITAL RD (SR 2372)	US 64 BUS TO SR 2367	4	2	2WU	NO	NO	0.16	22							120	98		10			
TOTAL FOR MAP NO. 10											0.16								120	98		10		
2022CPT.05.13.20921.1	Wake	11	OAKDALE R (SR 2669)	SR 2233 TO END MAINTENANCE	4	2	2WU	NO	NO	0.4	18								300		25	40		
TOTAL FOR MAP NO. 11											0.4									300		25	40	
2022CPT.05.13.20921.1	Wake	12	NEW FAISON LN (SR 2670)	SR 2049 TO END MAINTENANCE	4	2	2WU	NO	NO	0.19	20							85	127		10	7		
TOTAL FOR MAP NO. 12											0.19								85	127		10	7	
2022CPT.05.13.20921.1	Wake	13	SANDY TRAIL LN (SR 4138)	SR 2513 TO SR 2233)	4	2	2WU	NO	NO	1.42	20	30	0.10	10	30			300	1,160		80	11		
TOTAL FOR MAP NO. 13											1.42		30	0.10	10	30			300	1,160		80	11	
2022CPT.05.13.20921.1	Wake	14	DIPPER DR (SR 4157)	SR 4158 TO END MAINTENANCE	4	2	2WU	NO	NO	0.26	20								148		10	4		
TOTAL FOR MAP NO. 14											0.26									148		10	4	
2022CPT.05.13.20921.1	Wake	15	TRACKWAY DR (SR 4158)	CUL-DE-SAC TO END MAINTENANCE	4	2	2WU	NO	NO	0.29	20								228		20	4		
TOTAL FOR MAP NO. 15											0.29									228		20	4	
2022CPT.05.13.20921.1	Wake	16	TUFFER PL (SR 4159)	SR 4158 TO END MAINTENANCE	4	2	2WU	NO	NO	0.06	18								69		5	4		
TOTAL FOR MAP NO. 16											0.06									69		5	4	
2022CPT.05.13.20921.1	Wake	17	RIDER DR (SR 4160)	SR 4157 TO END MAINTENANCE	4	2	2WU	NO	NO	0.1	18								110		10	4		
TOTAL FOR MAP NO. 17											0.1									110		10	4	
2022CPT.05.13.20921.1	Wake	18	THORNHILL CT (SR 4139)	SR 4138 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.06	18								70		5	4		
TOTAL FOR MAP NO. 18											0.06									70		5	4	
2022CPT.05.13.20921.1	Wake	19	BAYWOOD FOREST DR (SR 4154)	SR 2233 TO END MAINTENANCE	5	2	2WU	NO	NO	0.54	30						7,815	172	552		40	4		
TOTAL FOR MAP NO. 19											0.54							7,815	172	552		40	4	
2022CPT.05.13.20921.1	Wake	20	COTTAGE BLUFF (SR 4155)	SR 4154 TO CUL-DE-SAC	5	2	2WU	NO	NO	0.45	22							6,014	418		30	4		
TOTAL FOR MAP NO. 20											0.45								6,014	418		30	4	
2022CPT.05.13.20921.1	Wake	21	TRENBURG CT (SR 4156)	SR 4155 TO END MAINTENANCE	5	2	2WU	NO	NO	0.07	22							1,206	90		10			
TOTAL FOR MAP NO. 21											0.07								1,206	90		10		
2022CPT.05.13.20921.1	Wake	22	HIGHSMITH CT (SR 4163)	SR 4155 TO END MAINTENANCE	5	2	2WU	NO	NO	0.13	22							1,981	140		10			
TOTAL FOR MAP NO. 22											0.13								1,981	140		10		
2022CPT.05.13.20921.1	Wake	23	BONIFACE CT (SR 4167)	SR 4163 TO CUL-DE-SAC	5	2	2WU	NO	NO	0.03	20							681	50		5			
TOTAL FOR MAP NO. 23											0.03								681	50		5		
2022CPT.05.13.20921.1	Wake	24	BAFFIN CT (SR 4190)	SR 4170 TO CUL-DE-SAC	5	2	2WU	NO	NO	0.03	22							674	50		5			
TOTAL FOR MAP NO. 24											0.03								674	50		5		
2022CPT.05.13.20921.1	Wake	25	KANKAKEE CT (SR 4169)	SR 4154 TO END MAINTENANCE	5	2	2WU	NO	NO	0.12	20							2,221	160		15			
TOTAL FOR MAP NO. 25											0.12								2,221	160		15		
2022CPT.05.13.20921.1	Wake	26	SOMERSWORTH DR (SR 4170)	SR 4154 TO SR 4155	5	2	2WU	NO	NO	0.2	22							2,570	180		15	4		
TOTAL FOR MAP NO. 26											0.2								2,570	180		15	4	
2022CPT.05.13.20921.1	Wake	27	ROCHELLE DR (SR 4143)	SR 2049 TO SR 2049)	4	2	2WU	NO	NO	0.48	18	30	0.10		30			200	380		30	7		
TOTAL FOR MAP NO. 27											0.48		30	0.10		30			200	380		30	7	
2022CPT.05.13.20921.1	Wake	28	DANTONVILLE CT (SR 4171)	CUL-DE-SAC TO CUL-DE-SAC	5	2	2WU	NO	NO	0.16	20						2,627		190		15			
TOTAL FOR MAP NO. 28											0.16							2,627		190		15		
2022CPT.05.13.20921.1	Wake	29	MEADOWS CIR (SR 4112)	SR 2049 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.19	20							130	180		15	25		
TOTAL FOR MAP NO. 29											0.19								130	180		15	25	
2022CPT.05.13.20921.1	Wake	30	WOODFIELD LN (SR 4140)	SR 2515 TO END MAINTENANCE	4	2	2WU	NO	NO	0.28	20							145	250		20	7		
TOTAL FOR MAP NO. 30											0.28								145	250		20	7	
2022CPT.05.13.20921.1	Wake	31	AMITY DR (SR 4113)	SR 2512 TO SR 4114	4	2	2WU	NO	NO	0.1	20							181	100		10	14		
TOTAL FOR MAP NO. 31											0.1								181	100		10	14	
2022CPT.05.13.20921.1	Wake	32	TRANQUILITY LN (SR 4114)	END MAINTENANCE TO END MAINTENANCE	4	2	2WU	NO	NO	0.31	18								270		20	35		
TOTAL FOR MAP NO. 32											0.31									270		20	35	
2022CPT.05.13.20921.1	Wake	33	HUNTSBORO RD (SR 4334)	SR 1007 TO SR 4364)	4	2	2WU	NO	NO	0.32	20							284	250		20	7		
TOTAL FOR MAP NO. 33											0.32								284	250		20	7	
2022CPT.05.13.20921.1	Wake	34	PENSELWOOD DR (SR 2999)	SR 2217 TO END MAINTENANCE	4	2	2W																	

PROJECT NO.	SHEET NO.	TOTAL NO.
2022CPT.05.13.10921.1, etc.	37	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	0106000000-E	0264000000-E	1220000000-E	1260000000-E	1297000000-E			1330000000-E	1519000000-E	1523000000-E	1575000000-E	1704000000-E			
												BORROW EXCAVATION	SHOULDER GRADING	INCIDENTAL STONE BASE	AGGREGATE SHOULDER BORROW	1 1/2" MILLING	2" MILLING	1.25" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT			
												MI	FT	CY	SMI	TONS	TON	SY	SY	SY	SY	TONS	TONS	TON	TONS	
2022CPT.05.13.20921.1	Wake	36	PRESTON PL (SR 4300)	FROM SR 2999 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.05	20										68		5	7		
TOTAL FOR MAP NO. 36												0.05											68		5	7
2022CPT.05.13.20921.1	Wake	37	CRANMOORE CT (SR 4329)	SR. 4326 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.04	18										59		5	4		
TOTAL FOR MAP NO. 37												0.04											59		5	4
2022CPT.05.13.20921.1	Wake	38	LIGHTHALL LN (SR 4326)	SR 2999 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.16	18										158		15	7		
TOTAL FOR MAP NO. 38												0.16											158		15	7
2022CPT.05.13.20921.1	Wake	39	PANHILL WAY (SR 4327)	SR 2999 TO SR 4328	4	2	2WU	NO	NO	0.09	19										70		5	7		
TOTAL FOR MAP NO. 39												0.09											70		5	7
2022CPT.05.13.20921.1	Wake	40	PILTON PL (SR 4328)	CUL-DE-SAC TO CUL-DE-SAC	4	2	2WU	NO	NO	0.08	18										108		10	4		
TOTAL FOR MAP NO. 40												0.08											108		10	4
2022CPT.05.13.20921.1	Wake	41	TORNESS CT (SR 4303)	SR 2999 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.06	18										70		5	7		
TOTAL FOR MAP NO. 41												0.06											70		5	7
2022CPT.05.13.20921.1	Wake	42	CHOLDERTON CT (SR 4301)	SR 2999 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.04	18										50		5	4		
TOTAL FOR MAP NO. 42												0.04											50		5	4
2022CPT.05.13.20921.1	Wake	43	BLACKET CT (SR 4302)	SR 2999 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.05	18										67		5	4		
TOTAL FOR MAP NO. 43												0.05											67		5	4
2022CPT.05.13.20921.1	Wake	44	RIVER LANDINGS DR (SR 4309)	SR 2215 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.47	18								152		410		30	51		
TOTAL FOR MAP NO. 44												0.47								152		410		30	51	
2022CPT.05.13.20921.1	Wake	45	RIVER MEADOW CT (SR 4310)	SR 4309 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.08	18										92		10	7		
TOTAL FOR MAP NO. 45												0.08											92		10	7
2022CPT.05.13.20921.1	Wake	46	RIVER EDGE DR (SR 4311)	SR 4309 TO CL RALEIGH	4	2	2WU	NO	NO	0.08	20								84		179		15	11		
TOTAL FOR MAP NO. 46												0.08								84		179		15	11	
2022CPT.05.13.20921.1	Wake	47	RIVER LAUREL CT (SR 4312)	SR 4311 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.09	18										100		10	11		
TOTAL FOR MAP NO. 47												0.09											100		10	11
2022CPT.05.13.20921.1	Wake	48	SINCLAIR DR (SR 4413)	US 401 TO END MAINTENANCE	1	2	2WU	NO	NO	0.52	36										10,413		269	740		
TOTAL FOR MAP NO. 48												0.52											10,413		269	740
2022CPT.05.13.20921.1	Wake	49	TARLETON CT (SR 4414)	SR 4413 TO CUL-DE-SAC	1	2	2WU	NO	NO	0.09	26										1,608		118	10		
TOTAL FOR MAP NO. 49												0.09											1,608		118	10
2022CPT.05.13.20921.1	Wake	50	CHITTIM CT (SR 4415)	SR 4413 TO CUL-DE-SAC	1	2	2WU	NO	NO	0.05	22										901		69	5		
TOTAL FOR MAP NO. 50												0.05											901		69	5
2022CPT.05.13.20921.1	Wake	51	HAYCOURT LN (SR 2971)	SR 2227 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.28	18										197		238	20		
TOTAL FOR MAP NO. 51												0.28											197		238	20
2022CPT.05.13.20921.1	Wake	52	BUR TRL (SR 4416)	SR 4413 TO CUL-DE-SAC	1	2	2WU	NO	NO	0.11	22										1,686		120	10		
TOTAL FOR MAP NO. 52												0.11											1,686		120	10
2022CPT.05.13.20921.1	Wake	53	COLDWATER SPRINGS DR (SR 4381)	SR 2228 TO DEAD END	4	2	2WU	NO	NO	0.34	20										409		129	290		
TOTAL FOR MAP NO. 53												0.34											409		129	290
2022CPT.05.13.20921.1	Wake	54	AUTUMN SUNSET CT (SR 4382)	SR 4381 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.07	20										88		10	10		
TOTAL FOR MAP NO. 54												0.07											88		10	10
2022CPT.05.13.20921.1	Wake	55	MORNING RIDGE CT (SE 4383)	SR 4381 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.06	18										70		5	7		
TOTAL FOR MAP NO. 55												0.06											70		5	7
2022CPT.05.13.20921.1	Wake	56	DOGWOOD VALLEY CT (SR 4384)	SR 4381 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.04	20										60		5	11		
TOTAL FOR MAP NO. 56												0.04											60		5	11
2022CPT.05.13.20921.1	Wake	57	SLIPPERY CREEK CT (SR 4385)	SR 4381 TO DEAD END	4	2	2WU	NO	NO	0.15	18										120		10	10		
TOTAL FOR MAP NO. 57												0.15											120		10	10
2022CPT.05.13.20921.1	Wake	58	OLD COUNTRY LN (SR 2982)	SR 2049 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.34	20										30		0.15	20		
TOTAL FOR MAP NO. 58												0.34											30		0.15	20
2022CPT.05.13.20921.1	Wake	59	CYPRESS RIDGE CT (SR 4386)	SR 4385 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.09	20										131		300	25		
TOTAL FOR MAP NO. 59												0.09											131		300	25
2022CPT.05.13.20921.1	Wake	60	BARLON CT (SR 2983)	SR 2982 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.07	20										91		10	10		
TOTAL FOR MAP NO. 60												0.07											91		10	10
2022CPT.05.13.20921.1	Wake	61	CARTWAY LN (SR 2984)	SR 2049 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.32	18										290		20	7		
TOTAL FOR MAP NO. 61												0.32											290		20	7
2022CPT.05.13.20921.1	Wake	62	HARTSFIELD DR (SR 2903)	SR 2226 TO END MAINTENANCE	4	2	2WU	NO	NO	0.29	16										86		138	10		
TOTAL FOR MAP NO. 62												0.29											86		138	10
2022CPT.05.13.20921.1	Wake	63	MALOR DR (SR 4435)	SR 2226 TO CUL-DE-SAC	4	2	2WU	NO	NO	0.22	18										151		190	15		
TOTAL FOR MAP NO. 63												0.22											151		190	15
2022CPT.05.13.20921.1	Wake	64	PINE HOLLOW DR (SR 4121)	SR 1004 TO SR 4122	4	2	2WU	NO	NO	0.37	20										156		310	25		
TOTAL FOR MAP NO. 64												0.37											156		310	25
2022CPT.05.13.20921.1	Wake	65	THOMAS DR (SR 4122)	SR 4121 TO SR 4123	4	2	2WU	NO	NO	0.22	20										180		15	7		
TOTAL FOR MAP NO. 65												0.22											180		15	7
2022CPT.05.13.20921.1	Wake	66	FAIRWAY DR (SR 4123)	SR 4122 TO SR 4124	4	2	2WU	NO	NO	0.73	18										570		40	16		
TOTAL FOR MAP NO. 66												0.73											570		40	16
2022CPT.05.13.20921.1	Wake	67	HARDWOOD RIDGE CT (SR 4124)	SR 4122 TO CUL-DE-SAC	4	3	2WU	NO	NO	0.45	18										350		25	11		
TOTAL FOR MAP NO. 67												0.45											350		25	11
2022CPT.05.13.20921.1	Wake	68	DOGWOOD RIDGE (SR 4125)	SR 4123 TO SR 4126	4	2	2WU	NO	NO	0.09	20										88		10	7		
TOTAL FOR MAP NO. 68												0.09											88		10	7
2022CPT.05.13.20921.1	Wake	69	LOUISE LN (SR 4126)	FROM SR 4127 TO C																						

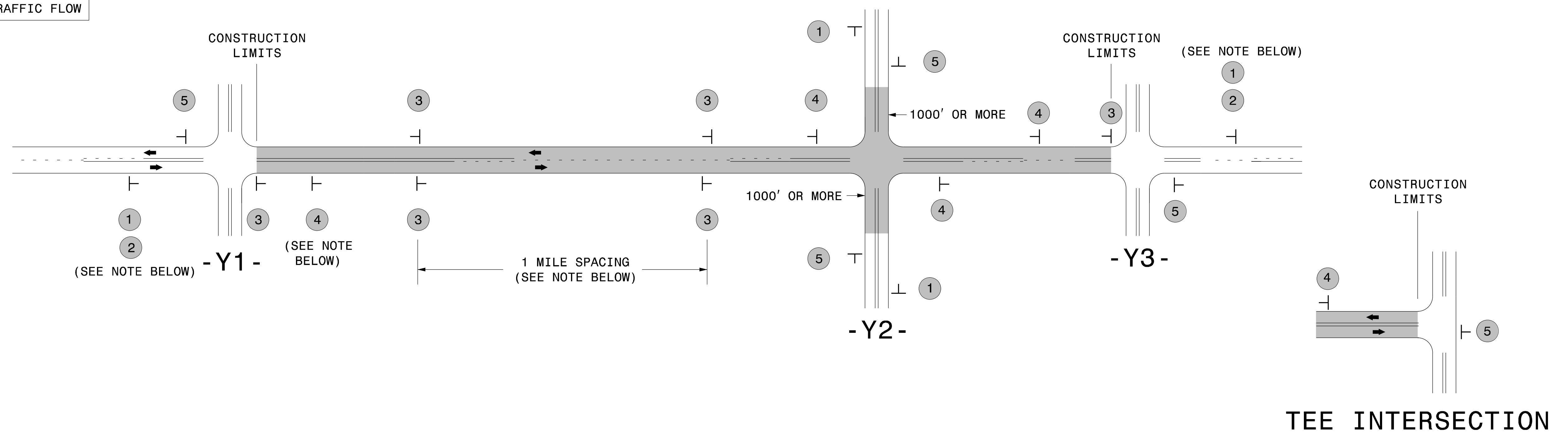
PROJECT NO. 2022CPT.05.13.10921.1, etc.	SHEET NO. 42	TOTAL NO.
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THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	481000000-E		482000000-E		482500000-E		483500000-E		484000000-N					484500000-N	486000000-E	489000000-E	489500000-N					
										4" WHITE PAINT	4" YELLOW PAINT	8" WHITE PAINT	8" YELLOW PAINT	12" YELLOW PAINT	12" WHITE PAINT	24" WHITE PAINT	PAINT MSG SCHOOL	PAINT MSG ONLY	PAINT MSG AHEAD	PAINT LT ARROW	PAINT RT ARROW	PAINT STR ARROW	PAINT STR & RT ARROW	PAINT STR & LT ARROW	8" LINE REMOVAL	GENERIC PM ITEM 24" X 90 M WHITE THERMO	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER				
									MI	FT	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA					
2022CPT.05.13.10921.1	Wake	1	US 64 BUS	FROM SR 2364 TO NC 96	1	2	2WU			5.22	24-36	41,560	67,930	810	630	190		1,380	24			71	4	6	15			1,180	730		
TOTAL FOR MAP NO. 1											5.22		41,560	67,930	810	630	190		1,380	24			71	4	6	15			1,180	730	
2022CPT.05.13.10921.1	Wake	2	NC 97	FROM NC 96 TO FRANKLIN CO. LINE	1	2	2WU	3.11	24-36	36,810	37,090	690	160			390	360		40	10	13	8			3	1	100	360	470		
TOTAL FOR MAP NO. 2											3.11		36,810	37,090	690	160		390	360		40	10	13	8			3	1	100	360	470
TOTAL FOR PROJ NO. 2022CPT.05.13.10921.1											8.33		78,370	105,020	1,500	790	190	390	1,740	24	40	10	84	12		6	18	1	100	1,540	1,200
												183,390		2,290		580		74				121									
2022CPT.05.13.20921.1	Wake	3	SPRING FOREST RD (SR 2041)	FROM US 1 TO SR 2042	3	4		0.65	62	10,900	9,840	140					340	12	4		33	2	8	6			340				
TOTAL FOR MAP NO. 3											0.65		10,900	9,840	140			340	12	4		33	2	8	6			340			
2022CPT.05.13.20921.1	Wake	4	COFFEY ST (SR2292)	SR 2217 TO DEAD END	4	2	2WU	0.24	18																						
TOTAL FOR MAP NO. 4											0.24																				
2022CPT.05.13.20921.1	Wake	5	BROOKDALE DR (SR 2296)	SR 4308 TO END MAINTENANCE	4	2	2WU	0.06	20																						
TOTAL FOR MAP NO. 5											0.06																				
2022CPT.05.13.20921.1	Wake	6	CHELRAY CT (SR 4305)	SR 4305 TO CUL-DE-SAC	4	2	2WU	0.04	18																						
TOTAL FOR MAP NO. 6											0.04																				
2022CPT.05.13.20921.1	Wake	7	HARVEST CT (SR 4306)	SR 4308 TO CUL-DE-SAC	4	2	2WU	0.04	18																						
TOTAL FOR MAP NO. 7											0.04																				
2022CPT.05.13.20921.1	Wake	8	RANDOM PL (SR 4307)	SR 4307 TO SR CUL-DE-SAC	4	2	2WU	0.03	18																						
TOTAL FOR MAP NO. 8											0.03																				
2022CPT.05.13.20921.1	Wake	9	WAKEBROOK DR (SR 4308)	CUL-DE-SAC TO CUL-DE-SAC	4	2	2WU	0.38	18																						
TOTAL FOR MAP NO. 9											0.38																				
2022CPT.05.13.20921.1	Wake	10	HOSPITAL RD (SR 2372)	US 64 BUS TO SR 2367	4	2	2WU	0.16	22																						
TOTAL FOR MAP NO. 10											0.16																				
2022CPT.05.13.20921.1	Wake	11	OAKDALE R (SR 2669)	SR 2233 TO END MAINTENANCE	4	2	2WU	0.4	18																						
TOTAL FOR MAP NO. 11											0.4																				
2022CPT.05.13.20921.1	Wake	12	NEW FAISON LN (SR 2670)	SR 2049 TO END MAINTENANCE	4	2	2WU	0.19	20																						
TOTAL FOR MAP NO. 12											0.19																				
2022CPT.05.13.20921.1	Wake	13	SANDY TRAIL LN (SR 4138)	SR 2513 TO SR 2233)	4	2	2WU	1.42	20																						
TOTAL FOR MAP NO. 13											1.42																				
2022CPT.05.13.20921.1	Wake	14	DIPPER DR (SR 4157)	SR 4158 TO END MAINTENANCE	4	2	2WU	0.26	20																						
TOTAL FOR MAP NO. 14											0.26																				
2022CPT.05.13.20921.1	Wake	15	TRACKWAY DR (SR 4158)	CUL-DE-SAC TO END MAINTENANCE	4	2	2WU	0.29	20																						
TOTAL FOR MAP NO. 15											0.29																				
2022CPT.05.13.20921.1	Wake	16	TUFFER PL (SR 4159)	SR 4158 TO END MAINTENANCE	4	2	2WU	0.06	18																						
TOTAL FOR MAP NO. 16											0.06																				
2022CPT.05.13.20921.1	Wake	17	RIDER DR (SR 4160)	SR 4157 TO END MAINTENANCE	4	2	2WU	0.1	18																						
TOTAL FOR MAP NO. 17											0.1																				
2022CPT.05.13.20921.1	Wake	18	THORNHILL CT (SR 4139)	SR 4138 TO CUL-DE-SAC	4	2	2WU	0.06	18																						
TOTAL FOR MAP NO. 18											0.06																				
2022CPT.05.13.20921.1	Wake	19	BAYWOOD FOREST DR (SR 4154)	SR 2233 TO END MAINTENANCE	5	2	2WU	0.54	30																						
TOTAL FOR MAP NO. 19											0.54																				
2022CPT.05.13.20921.1	Wake	20	COTTAGE BLUFF (SR 4155)	SR 4154 TO CUL-DE-SAC	5	2	2WU	0.45	22																						
TOTAL FOR MAP NO. 20											0.45																				
2022CPT.05.13.20921.1	Wake	21	TRENBURG CT (SR 4156)	SR 4155 TO END MAINTENANCE	5	2	2WU	0.07	22																						
TOTAL FOR MAP NO. 21											0.07																				
2022CPT.05.13.20921.1	Wake	22	HIGHSMITH CT (SR 4163)	SR 4155 TO END MAINTENANCE	5	2	2WU	0.13	22																						
TOTAL FOR MAP NO. 22											0.13																				
2022CPT.05.13.20921.1	Wake	23	BONIFACE CT (SR 4167)	SR 4163 TO CUL-DE-SAC	5	2	2WU	0.03	20																						
TOTAL FOR MAP NO. 23											0.03																				
2022CPT.05.13.20921.1	Wake	24	BAFFIN CT (SR 4190)	SR 4170 TO CUL-DE-SAC	5	2	2WU	0.03	22																						
TOTAL FOR MAP NO. 24											0.03																				
2022CPT.05.13.20921.1	Wake	25	KANKAKEE CT (SR 4169)	SR 4154 TO END MAINTENANCE	5	2	2WU	0.12	20																						
TOTAL FOR MAP NO. 25											0.12																				
2022CPT.05.13.20921.1	Wake	26	SOMERSWORTH DR (SR 4170)	SR 4154 TO SR 4155	5	2	2WU	0.2	22																						
TOTAL FOR MAP NO. 26											0.2																				
2022CPT.05.13.20921.1	Wake	27	ROCHELLE DR (SR 4143)	SR 2049 TO SR 2049)	4	2	2WU	0.48	18																						
TOTAL FOR MAP NO. 27											0.48																				
2022CPT.05.13.20921.1	Wake	28	DANTONVILLE CT (SR 4171)	CUL-DE-SAC TO CUL-DE-SAC	5	2	2WU	0.16	20																						
TOTAL FOR MAP NO. 28											0.16																				
2022CPT.05.13.20921.1	Wake	29	MEADOWS CIR (SR 4112)	SR 2049 TO CUL-DE-SAC	4	2	2WU	0.19	20																						
TOTAL FOR MAP NO. 29											0.19																				

SIGNING FOR RESURFACING PROJECTS

LEGEND
 ┆ STATIONARY SIGN
 ← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

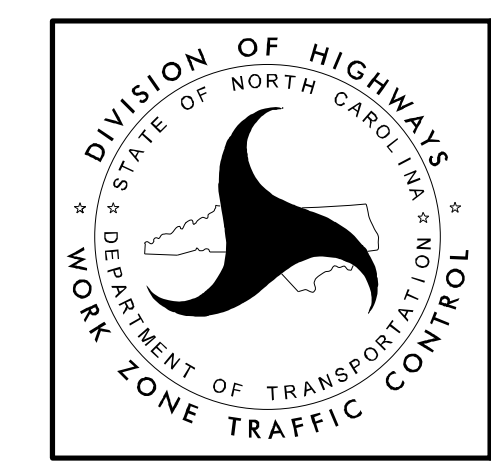
-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1		PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> LESS THAN 1000' OF RESURFACING ALONG -Y- LINE SUBDIVISION ROADS DEAD END ROADS <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> PLACED 500' IN ADVANCE OF FLAGGER. </div> <div style="text-align: center;"> PLACED 250' IN ADVANCE OF FLAGGER. </div> </div>
	2		#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)	
	3		- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.	
	4		- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. - DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. - INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. - FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. - A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.	
	5		PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	

THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

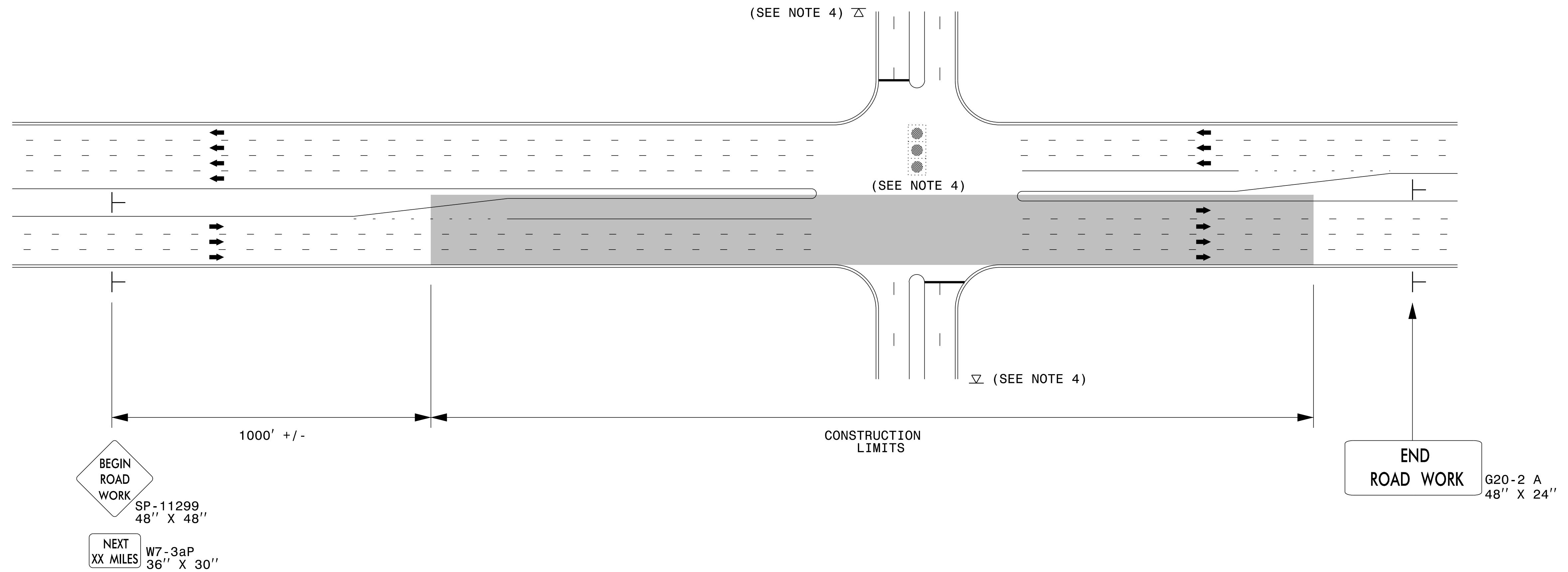
MAPS LESS THAN 2 MILES

FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.



ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

URBAN / SUBURBAN WORKZONES

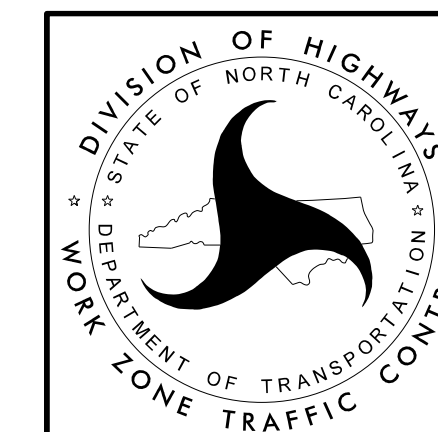


NOTES:

- 1) 48" x 48" SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36" X 36" ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
- 3) ADVANCE WARNING SIGNS NOT REQUIRED ON NON-SIGNALIZED SIDE STREETS.
- 4) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.
- 5) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 2' AS MEASURED FROM THE EDGE OF PAVEMENT OR THE FACE OF THE CURB. WHEN UNABLE TO OBTAIN THE LATERAL CLEARANCE WITHIN THE MEDIAN AREA USE SHOULDER MOUNTS ONLY.
- 6) SIGN MOUNT LOCATIONS SHALL NOT BLOCK SIDEWALKS OR DRIVEWAYS.
- 7) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
- 8) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

LEGEND

- ┆ STATIONARY SIGN
- ➔ DIRECTION OF TRAFFIC FLOW



**RESURFACING ADVANCE
WARNING SIGNS FOR
URBAN / SUBURBAN
FACILITIES**

**DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA**

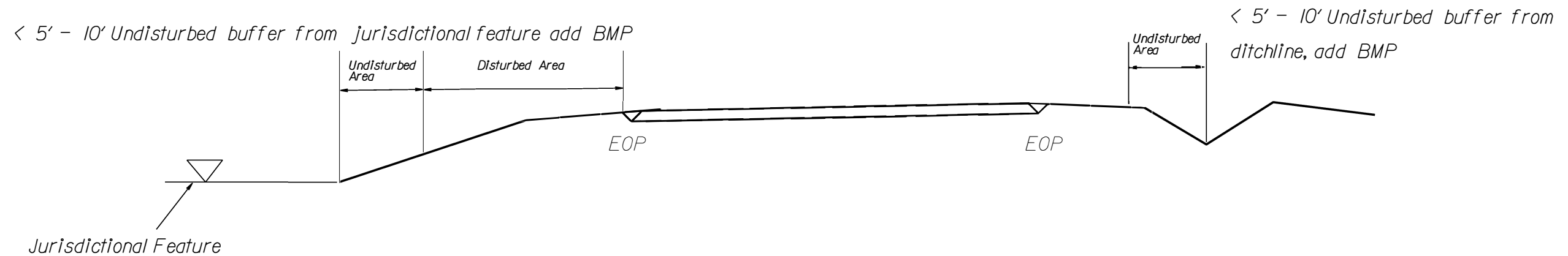
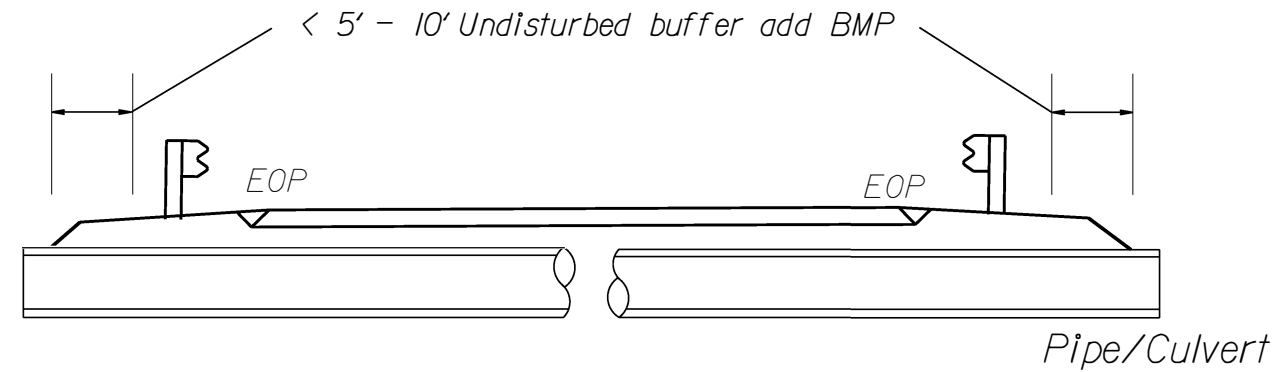
SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HOW ZONES.

NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle, Silt Fence or Hardened Aggregate.

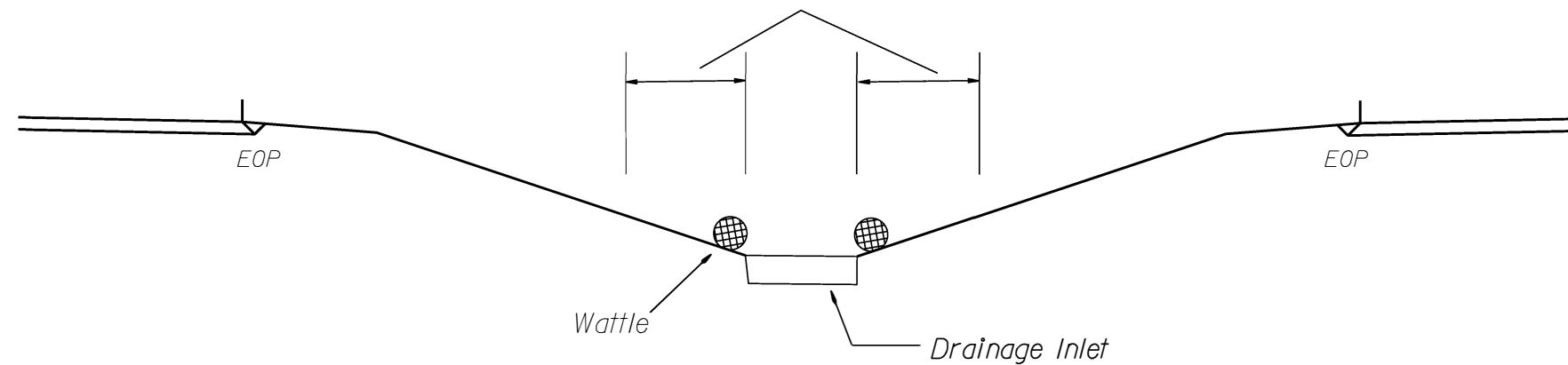
EROSION CONTROL DETAIL



Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed

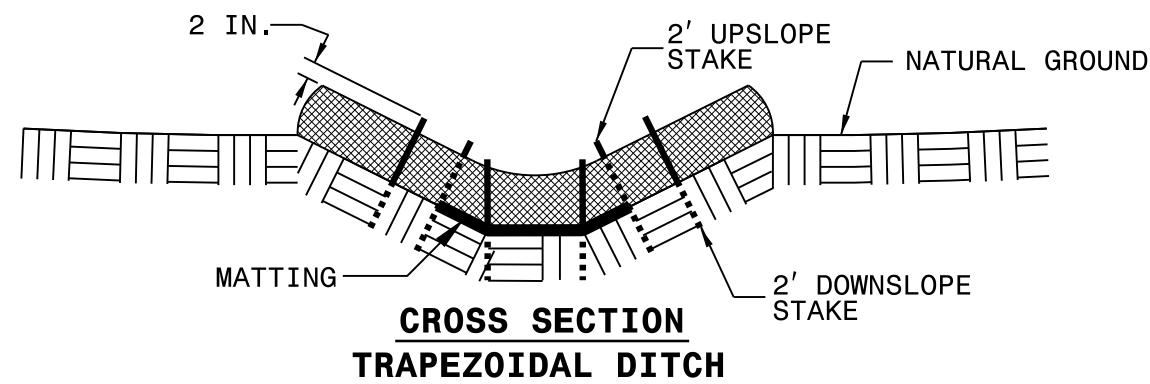
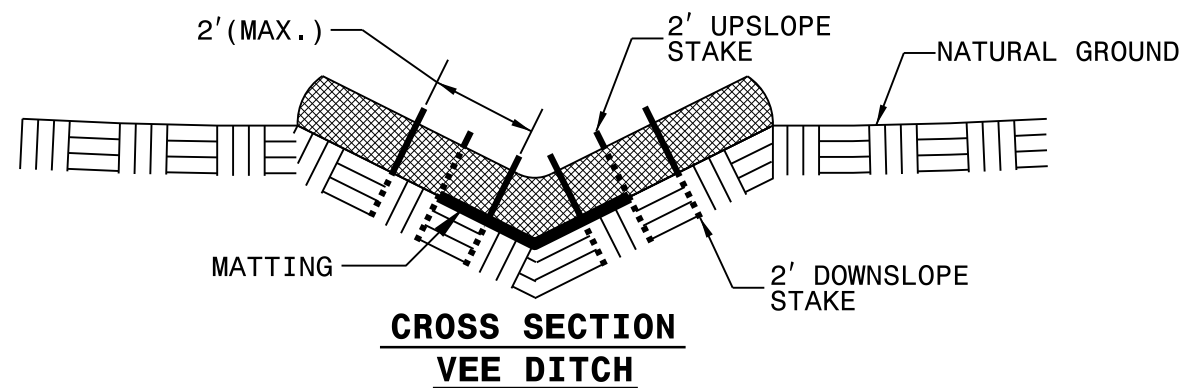
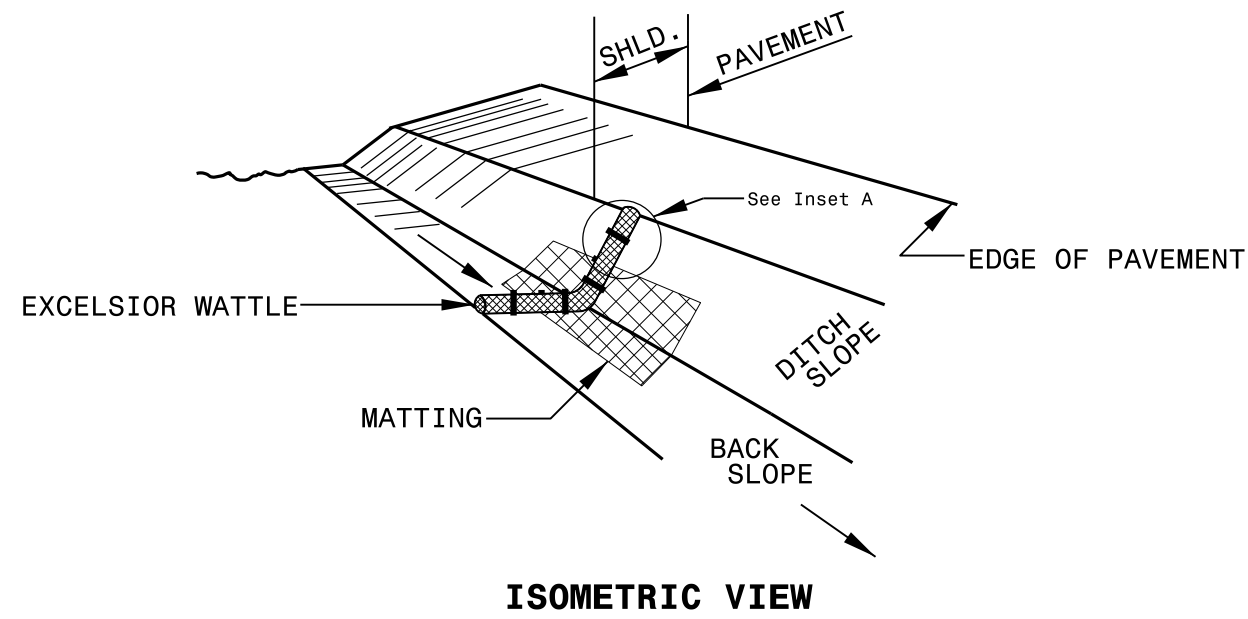


< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

WATTLE DETAIL



NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

