

LETTING DATE  
04-21-19

HMA RESURFACING  
NHSN-006-9(85)--2R-82

SCOTT COUNTY



Highway Division

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM

SCOTT COUNTY

HMA RESURFACING

In Davenport, from Brady Street to Elmore Avenue

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.14 of the Specifications.



REVISIONS

TOTAL

41

PROJECT IDENTIFICATION NUMBER

19-82-006-010

PROJECT NUMBER

NHSN-006-9(85)--2R-82

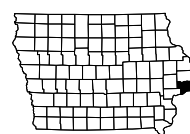
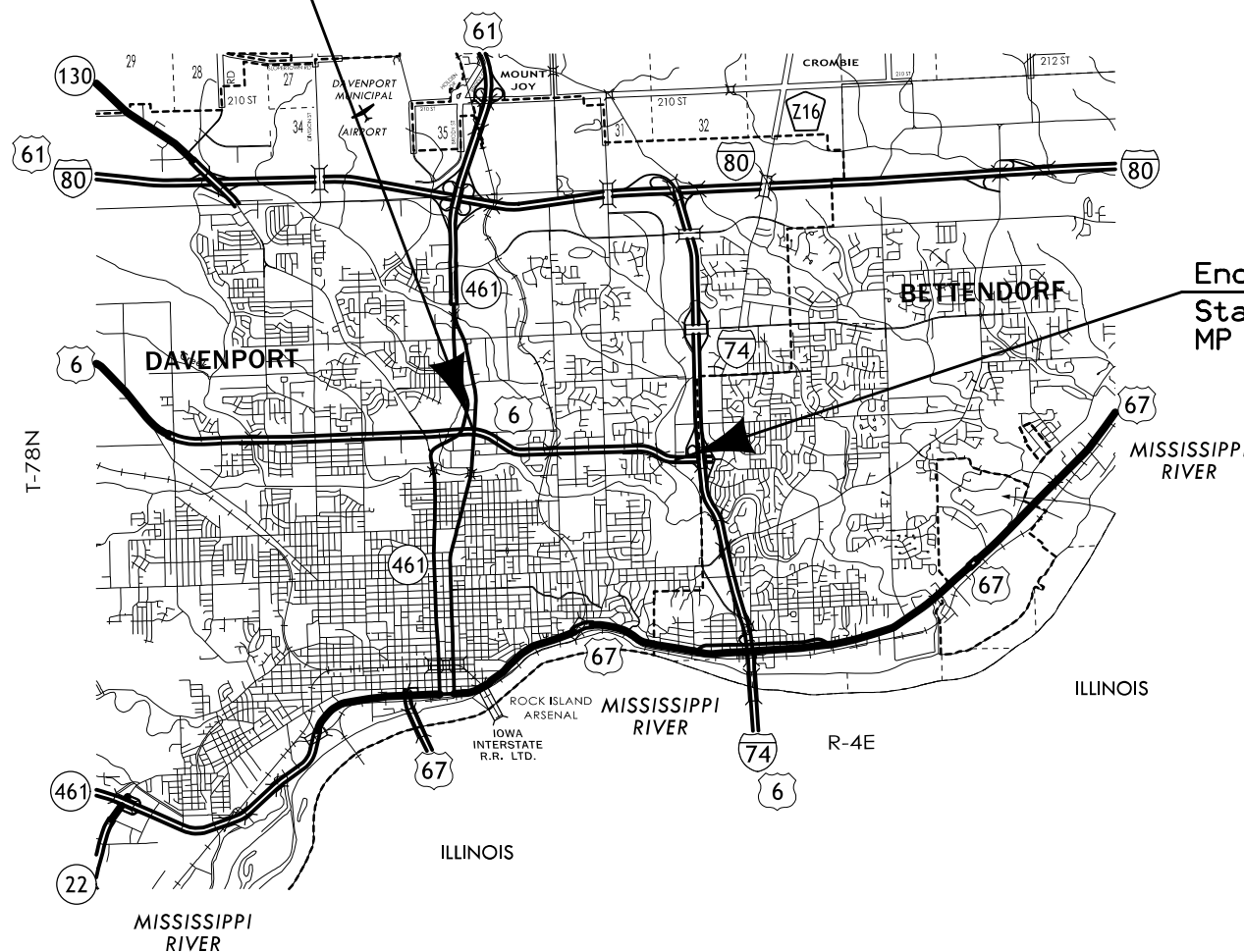
R.O.W. PROJECT NUMBER

INDEX OF SHEETS

A.1	TITLE SHEET
B.1- B.3	TYPICAL CROSS SECTIONS AND DETAILS
C.1- C.12	ESTIMATE OF QUANTITIES, REFERENCE NOTES, AND TABULATIONS
J.1	TRAFFIC CONTROL
S.1- S.15	SIDEWALK DETAILS
U.1- U.9	DETAIL SHEETS

Begin Project  
Sta. 187+40  
MP 307.22

End Project  
Sta. 302+65  
MP 309.43



DESIGN DATA URBAN

2014 AADT	31,500	V.P.D.
20-- AADT	--	V.P.D.
20-- DHV	--	V.P.H.
TRUCKS	3	%
Total Design ESALs	--	

ROADWAY DESIGN



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Signature: Danielle L. Alvarez Date: \_\_\_\_\_

Printed or Typed Name: Danielle L. Alvarez

My license renewal date is December 31, 2020

Pages or sheets covered by this seal: ALL

FILE NO.

ENGLISH

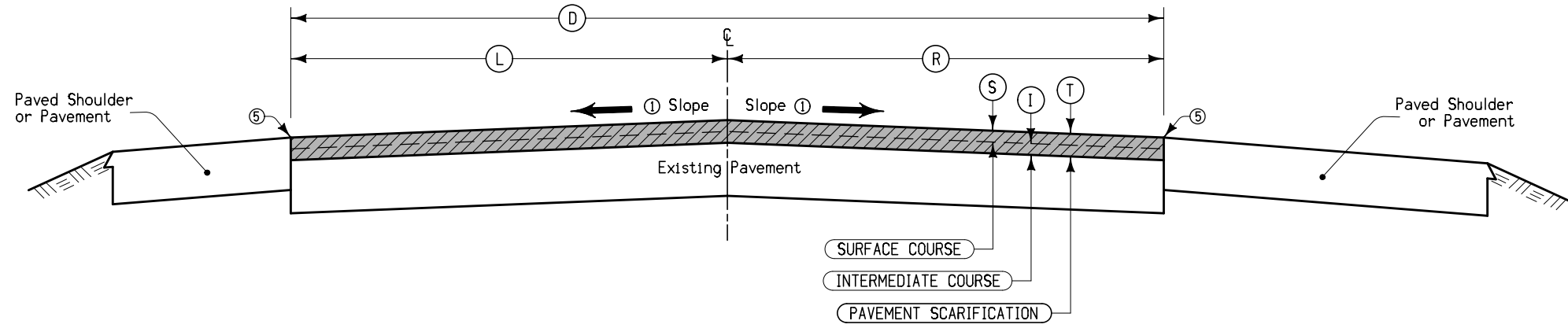
DESIGN TEAM Alvarez/Storey/Holub

SCOTT COUNTY

PROJECT NUMBER NHSN-006-9(85)--2R-82

SHEET NUMBER A.1

■ = HMA Resurfacing  
▨ = Pavement Scarification



Notes:

Existing pavement or paved shoulders may be curbed. Curbs not shown. View is in the direction of traffic.

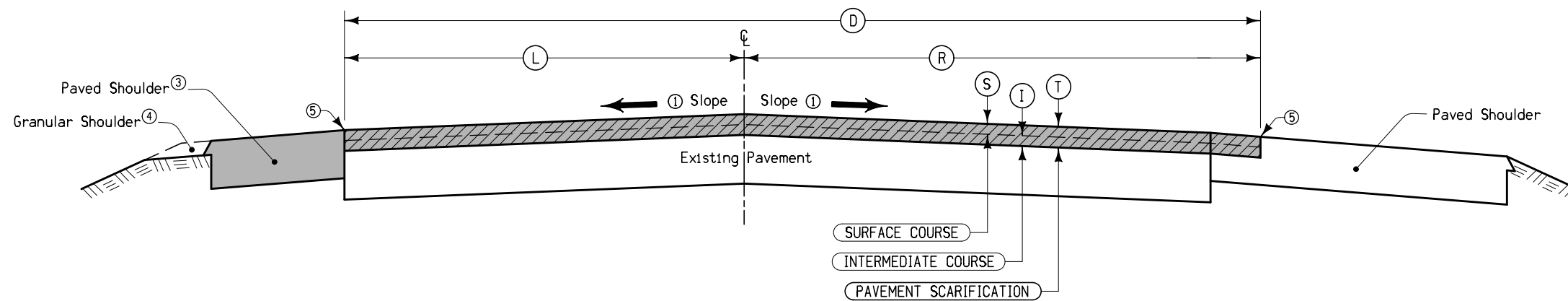
- ① Finished slope shall match existing pavement. Section may be modified as directed by the Engineer through areas of special shaping. Refer to tabulation listing of superelevated curves and Standard Road Plans for additional requirements through superelevated curves.
- ② Tack Coat estimated for 2 applications. Not a bid item.
- ③ - - -
- ④ - - -
- ⑤ Seal joint with CRS-2 bitumen. Not a bid item.

DESIGN RATES	
ITEM	RATE
Surface Course	160 lbs./cu. ft.
Intermediate Course	155 lbs./cu. ft.
Tack Coat	0.05 gal./sq. yd.

Location		Resurfacing Quantities Per Station							Remarks					
Road Id	Station to Station	③	①	①	①	①	①	①	Tack Coat ②	Asphalt Binder	Hot Mix Asphalt (Tons)		Pavement Scarification	Remarks
		Inches	Inches	Inches	Feet	Feet	Feet	Gallons	Tons	Surface	Intermediate	SY		
US 6, EB	187+40 - 188+65	1.5	1.5	3.0	Var.	Var.	Var.	Var.	Var.	Var.	Var.	Var.	Var.	Brady Street Intersection
US 6, EB	236+80 - 237+15	1.5	1.5	3.0	24	12	12	26.8	2.84	24.0	23.3	267	Eastern Ave. Intersection	
US 6, WB	187+40 - 188+65	1.5	1.5	3.0	Var.	Var.	Var.	Var.	Var.	Var.	Var.	Var.	Var.	Brady Street Intersection
US 6, WB	236+60 - 238+60	1.5	1.5	3.0	Var.	Var.	Var.	Var.	Var.	Var.	Var.	Var.	Var.	Eastern Ave. Intersection

**TYPICAL CROSS SECTION  
HMA RESURFACING WITH MILLING  
(WITH ADJOINING PCC PAVEMENT  
OR PAVED SHOULDER)**

■ = HMA Resurfacing and HMA Paved Shoulder  
▨ = Pavement Scarification



Notes:

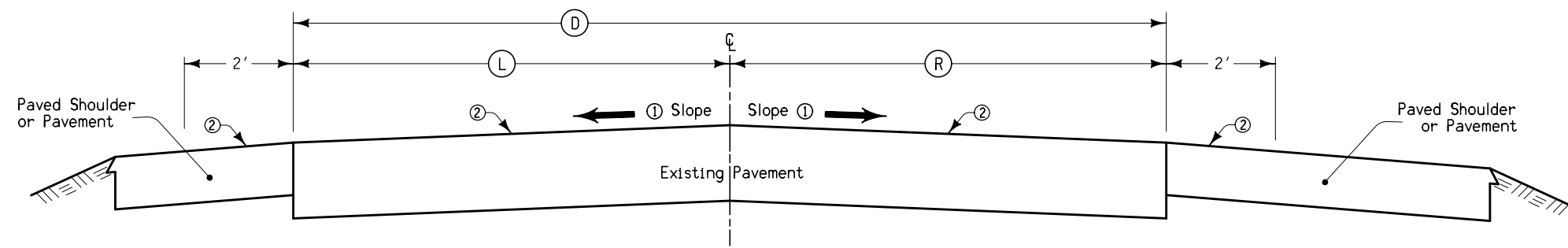
Existing pavement or paved shoulders may be curbed. Curbs not shown. View is in the direction of traffic.

- ① Finished slope shall match existing pavement. Section may be modified as directed by the Engineer through areas of special shaping. Refer to tabulation listing of superelevated curves and Standard Road Plans for additional requirements through superelevated curves.
- ② Tack Coat estimated for 2 applications. Not a bid item.
- ③ Refer to Typ. 7152.
- ④ Refer to Typ. 7135 or 7145.
- ⑤ Seal joint with CRS-2 bitumen. Not a bid item.
- ⑥ Width (R) includes one foot of the paved shoulder.

DESIGN RATES	
ITEM	RATE
Surface Course	160 lbs./cu. ft.
Intermediate Course	155 lbs./cu. ft.
Tack Coat	0.05 gal./sq. yd.

Location		Resurfacing Quantities Per Station							Remarks					
Road Id	Station to Station	③	①	①	①	①	①	①	Tack Coat ②	Asphalt Binder	Hot Mix Asphalt (Tons)		Pavement Scarification	Remarks
		Inches	Inches	Inches	Feet	Feet	Feet	Gallons	Tons	Surface	Intermediate	SY		
US 6, EB	200+00 - 218+00	1.5	1.5	3.0	25	12	13	27.8	2.95	25.0	24.2	278	⑥	
US 6, EB	225+00 - 228+90	1.5	1.5	3.0	25	12	13	27.8	2.95	25.0	24.2	278	⑥	
US 6, EB	237+60 - 292+40	1.5	1.5	3.0	25	12	13	27.8	2.95	25.0	24.2	278	⑥	
US 6, WB	232+20 - 233+20	1.5	1.5	3.0	24	12	12	26.8	2.84	24.0	23.3	267		

**TYPICAL CROSS SECTION  
HMA RESURFACING WITH MILLING  
AND HMA PAVED SHOULDERS**

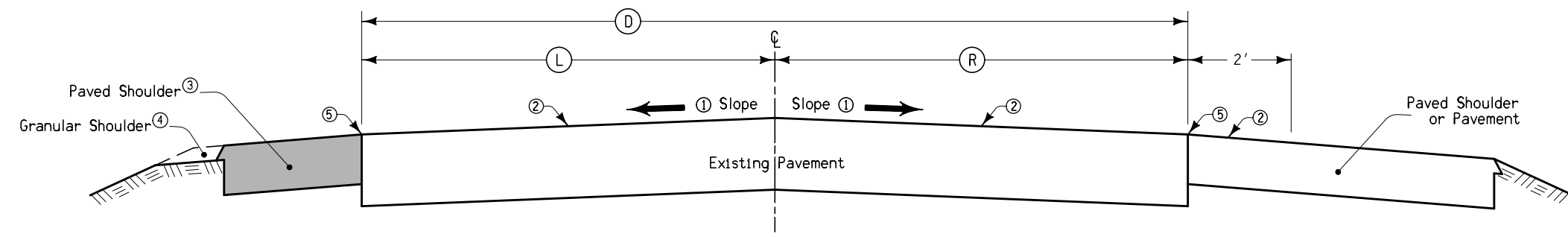


- Notes:  
Existing pavement or paved shoulders may be curbed. Curbs not shown.  
View is in the direction of traffic.
- ① Finished slope shall match existing pavement.
  - ② Diamond grind pavement and 2' of adjoining paved shoulder or pavement.

Location		(D)	(L)	(R)	Remarks	
Road Id	Station to Station	Feet	Feet	Feet		
US 6, EB	188+65	191+90	36	12	24	
US 6, WB	188+65	191+90	36	12	24	

**TYPICAL CROSS SECTION  
DIAMOND GRINDING  
(WITH PCC PAVED SHOULDERS  
OR NO SHOULDERS)**

■ = HMA Paved Shoulder



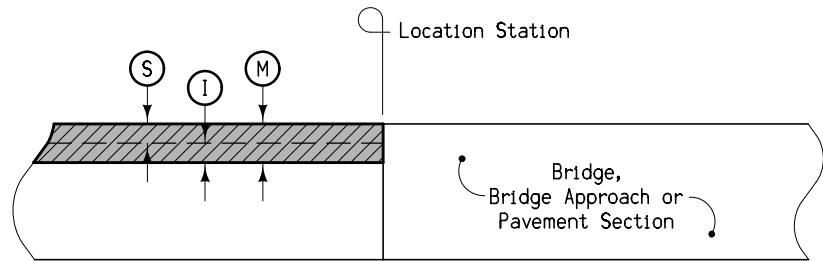
- Notes:  
Existing pavement or paved shoulders may be curbed. Curbs not shown.  
View is in the direction of traffic.
- ① Finished slope shall match existing pavement.
  - ② Diamond grind pavement and 2' of adjoining paved shoulder or pavement.
  - ③ Refer to Typ. 7152. Proposed paved shoulder is not continuous. Refer to Note ② for existing paved shoulder or pavement.
  - ④ Refer to Typ. 7135 or 7145.
  - ⑤ Seal joint with CRS-2 bitumen. Not a bid item.

Location		(D)	(L)	(R)	Remarks	
Road Id	Station to Station	Feet	Feet	Feet		
US 6, EB	191+90	194+80	36-24	12	24-12	
US 6, EB	194+80	200+00	24	12	12	
US 6, EB	218+00	225+00	24	12	12	
US 6, WB	191+90	195+00	36	12	24	
US 6, WB	195+00	232+20	24	12	12	
US 6, WB	238+60	291+70	24	12	12	

**TYPICAL CROSS SECTION  
DIAMOND GRINDING  
(WITH HMA PAVED SHOULDERS)**

Posted Speed Limit	Runout Ratio (ft per inch)
45 or More	50
20 to 45	25
Under 20	10 *

\* Based on turning maneuvers at side roads and intersections.



7305  
MODIFIED

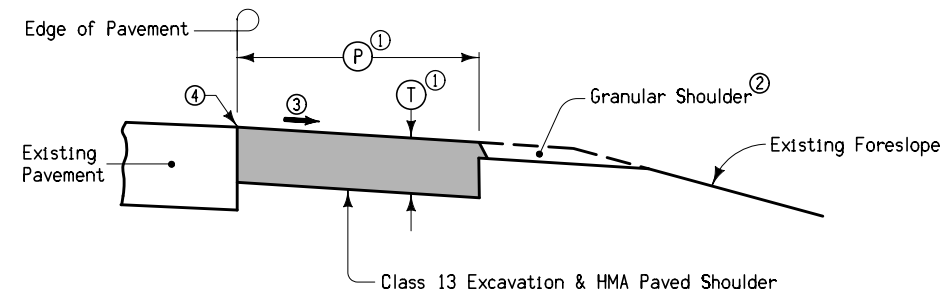
- (S) Surface Course
- (M) Milling (Avg. Depth)

**SURFACE NOTCH FOR RESURFACING OF MILLED AREAS**

Station	(S) Inches	(I) Inches	(M) Inches	Remarks
187+40, EB	1.5	1.5	3.0	B.O.P.
187+80, RT 60'	1.5	1.5	3.0	Brady Street
188+65, EB	1.5	1.5	3.0	
200+00, EB	1.5	1.5	3.0	
218+00, EB	1.5	1.5	3.0	
225+00, EB	1.5	1.5	3.0	
228+90, EB	1.5	1.5	3.0	
236+80, EB	1.5	1.5	3.0	
237+15, EB	1.5	1.5	3.0	
237+60, EB	1.5	1.5	3.0	
292+40, EB	1.5	1.5	3.0	
187+40, WB	1.5	1.5	3.0	B.O.P.
187+80, LT 115'	1.5	1.5	3.0	Brady Street
188+65, WB	1.5	1.5	3.0	
232+20, WB	1.5	1.5	3.0	
233+20, WB	1.5	1.5	3.0	
236+60, WB	1.5	1.5	3.0	
238+60, WB	1.5	1.5	3.0	

7152  
MODIFIED

█ = HMA Paved Shoulder



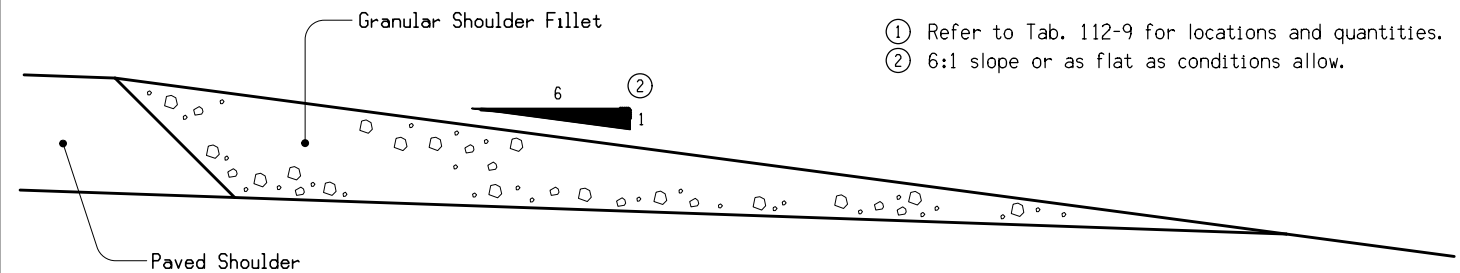
- ① Unless otherwise specified, normal paved shoulder width (P) shall be 6' on the outside and 4' on the median side. Normal thickness (T) shall be 6". Refer to Tab. 112-9.
- ② Refer to Typ. 7135 or Typ. 7145.
- ③ Slope at 4% for normal section. Refer to Standard Road Plans for requirements through super-elevated curves.
- ④ Provide a vertical edge. Incidental to Class 13 Excavation.

**TYPICAL SECTION RETROFIT PAVED SHOULDER**

7145  
MODIFIED

Notes:  
This typical illustrates the construction requirements for a granular fillet at the edge of a full-width paved shoulder. The granular fillet will be measured and paid for as "Granular Shoulder, Type B".

- ① Refer to Tab. 112-9 for locations and quantities.
- ② 6:1 slope or as flat as conditions allow.



**GRANULAR SHOULDER FILLET**

**ESTIMATED PROJECT QUANTITIES  
(UP TO A 5 DIVISION PROJECT)**

Division 1: Iowa DOT  
Division 2: City of Davenport

Item No.	Item Code	Item	Unit	Quantities																
				Estimated					As Built											
				Division 1	Division 2	Division 3	Division 4	Division 5	Total	Division 1	Division 2	Division 3	Division 4	Division 5						
1	2121-7425020	GRANULAR SHOULDERS, TYPE B	TON	349.2							349.2									
2	2122-5500060	PAVED SHOULDER, HOT MIX ASPHALT MIXTURE, 6 IN.	SY	5,173.3							5,173.3									
3	2212-0475095	CLEANING AND PREPARATION OF BASE	MILE	1.6							1.6									
4	2212-5070310	PATCHES, FULL-DEPTH REPAIR	SY	2,120.3							2,120.3									
5	2212-5070330	PATCHES BY COUNT (REPAIR)	EACH	172							172									
6	2212-5075001	HOT MIX ASPHALT SURFACE PATCHES	TON	10.0							10.0									
7	2213-2713300	EXCAVATION, CLASS 13, FOR WIDENING	CY	862.2							862.2									
8	2214-5145150	PAVEMENT SCARIFICATION	SY	25,499.0							25,499.0									
9	2214-7450050	BLADING AND SHAPING SHOULDER MATERIAL	STA	116.40							116.40									
10	2303-1042500	HOT MIX ASPHALT HIGH TRAFFIC, INTERMEDIATE COURSE, 1/2 IN. M IX	TON	2,309.00							2,309.00									
11	2303-1043502	HOT MIX ASPHALT HIGH TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, F RICTION L-2	TON	2,320.00							2,320.00									
12	2303-1258285	ASPHALT BINDER, PG 58-28V, VERY HIGH TRAFFIC	TON	278.00							278.00									
13	2303-6911000	HOT MIX ASPHALT PAVEMENT SAMPLES	LS	1.00							1.00									
14	2303-7000510	HOT MIX ASPHALT MIXTURE INCORPORATED WITH ANTI-STRIP AGENT	TON	4,543.000							4,543.000									
15	2303-7000610	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA MIXTURE LA BORATORY VOIDS (FORMULA - BY PAY FACTOR)	EACH	2315							2315									
16	2303-7000620	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA MIXTURE FI ELD VOIDS (FORMULA - BY PAY FACTOR)	EACH	2315							2315									
17	2308-1000000	ASPHALT EMULSION FOR FOG SEAL (SHOULDERS)	GAL	1,093.0							1,093.0									
18	2317-7000120	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA PAVEMENT S MOOTHNESS (BY SCHEDULE)	EACH	6380							6380									
19	2510-6745850	REMOVAL OF PAVEMENT	SY	51.0							51.0									
20	2511-6745900	REMOVAL OF SIDEWALK	SY	145.3							145.3									
21	2511-7526004	SIDEWALK, P.C. CONCRETE, 4 IN.	SY	104.1							104.1									
22	2511-7526006	SIDEWALK, P.C. CONCRETE, 6 IN.	SY	109.8							109.8									
23	2511-7528101	DETECTABLE WARNINGS	SF	233							233									
24	2512-1725206	CURB AND GUTTER, P.C. CONCRETE, 2.0 FT.	LF	174.7							174.7									
25	2520-3350015	FIELD OFFICE	EACH	1							1									
26	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	STA	994.05							994.05									
27	2527-9263137	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED	EACH	42							42									
28	2528-8445110	TRAFFIC CONTROL	LS	1.00							1.00									
29	2528-8445113	FLAGGERS	EACH								See Proposal									
30	2529-2242304	CD JOINT ASSEMBLY	EACH	36							36									
31	2529-2242320	CT JOINT	EACH	17							17									
32	2529-5070110	PATCHES, FULL-DEPTH FINISH, BY AREA	SY	304.8							304.8									
33	2529-5070120	PATCHES, FULL-DEPTH FINISH, BY COUNT	EACH	28							28									
34	2529-8174010	SUBBASE (PATCHES)	SY	278.6							278.6									
35	2529-8174020	SUBBASE PATCH WITH EF JOINT	SY	26.7							26.7									
36	2529-8201000	JOINT ASSEMBLY, EF	EACH	1							1									
37	2532-5200001	PAVEMENT SURFACE REPAIR (GRINDING LIMESTONE)	SY	35,834.0							35,834.0									
38	2533-4980005	MOBILIZATION	LS	1.00							1.00									
39	2595-0005125	RAILROAD PROTECTIVE LIABILITY INSURANCE FOR DAKOTA, MINNESOT A, AND EASTERN RAILROAD CORP.	LS	1.00	0.00						1.00									
40	2601-2639010	SODDING	SQ	20.0							20.0									
41	2601-2643110	WATERING FOR SOD, SPECIAL DITCH CONTROL, OR SLOPE PROTECTION	MGAL	12.00							12.00									
42	2601-2643300	MOBILIZATION FOR WATERING	EACH	5							5									

**100-1D**  
10-18-05

**PROJECT DESCRIPTION**

This project is located on US 6 (Kimberly Road) in Davenport from US 61 (Brady Street) to Elmore Avenue, eastbound and westbound. The work includes full-depth patching (finish and repair), milling and HMA resurfacing on the existing HMA pavement, diamond grinding on the existing PCC pavement, construction of HMA paved shoulders on the median side, fog sealing on the existing outside HMA paved shoulder, replacement of pavement markings, and construction of pedestrian curb ramps.

**ESTIMATE REFERENCE INFORMATION**

Item No.	Item Code	Description
1	2121-7425020	GRANULAR SHOULDERS, TYPE B Refer to Typ. 7145 and Tab. 112-9B.
-	-	-
2	2122-5500060	PAVED SHOULDER, HOT MIX ASPHALT MIXTURE, 6 IN. Refer to Typ. 7152 and Tab. 112-9B. For sealing the joint between the paved shoulder and the pavement, refer to Standard Specifications 2530.03.B.2.c.1.
-	-	-
3	2212-0475095	CLEANING AND PREPARATION OF BASE Refer to Typ.'s 2602-A and 2602-B.
-	-	-
4	2212-5070310	PATCHES, FULL-DEPTH REPAIR
5	2212-5070330	PATCHES BY COUNT (REPAIR) Items are for full-depth patching within the limits of the HMA resurfacing and the diamond grinding. Refer to Tab. 102-6C (Repair).
-	-	-
6	2212-5075001	HOT MIX ASPHALT SURFACE PATCHES
-	-	-
-	-	-
7	2213-2713300	EXCAVATION, CLASS 13, FOR WIDENING Item is for paved shoulders. Refer to Typ. 7152 and Tab. 112-9B. All open trenches shall be filled to the level of the adjoining pavement prior to opening the adjoining pavement to traffic. All material shall become the property of the contractor and shall be removed from the project.
-	-	-
8	2214-5145150	PAVEMENT SCARIFICATION Refer to Typ.'s 2602-A and 2602-B. All scarified surfaces shall be resurfaced with the HMA intermediate course before opening the lane to traffic. Traffic will not be permitted on the scarified surface. Millings shall become the property of the contractor and shall be removed from the project.
-	-	-
9	2214-7450050	BLADING AND SHAPING SHOULDER MATERIAL Refer to Tab. 112-9B.
-	-	-
10	2303-1042500	HOT MIX ASPHALT HIGH TRAFFIC, INTERMEDIATE COURSE, 1/2 IN. M IX Refer to Typ.'s 2602-A and 2602-B. The quantity includes an additional 5% for irregularities. The HMA intermediate course shall be placed on the scarified surface before opening the lane to traffic. Traffic will not be permitted on the scarified surface.
-	-	-
11	2303-1043502	HOT MIX ASPHALT HIGH TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, F RICTION L-2 Refer to Typ.'s 2602-A and 2602-B. The quantity includes an additional 5% for irregularities.
-	-	-
12	2303-1258285	ASPHALT BINDER, PG 58-28V, VERY HIGH TRAFFIC The quantity is estimated at a rate of 6% of the HMA surface course and HMA intermediate course.
-	-	-
13	2303-6911000	HOT MIX ASPHALT PAVEMENT SAMPLES
-	-	-
-	-	-
14	2303-7000510	HOT MIX ASPHALT MIXTURE INCORPORATED WITH ANTI-STRIP AGENT Item is for the HMA surface course and HMA intermediate course.
-	-	-
15	2303-7000610	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA MIXTURE LA BORATORY VOIDS (FORMULA - BY PAY FACTOR)
16	2303-7000620	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA MIXTURE FI ELD VOIDS (FORMULA - BY PAY FACTOR)
-	-	-
-	-	-
17	2308-1000000	ASPHALT EMULSION FOR FOG SEAL (SHOULDERS) Item is for fog sealing the existing HMA paved shoulders. Refer to Tab. 112-9A.
-	-	-
18	2317-7000120	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA PAVEMENT S MOOTHNESS (BY SCHEDULE)
-	-	-
-	-	-
19	2510-6745850	REMOVAL OF PAVEMENT Item is for pedestrian curb ramps. Refer to Tab. 110-1 and to S sheets.
-	-	-
20	2511-6745900	REMOVAL OF SIDEWALK Item is for replacement of existing pedestrian curb ramps. Refer to Tab. 110-5 and to S sheets.
-	-	-

**ESTIMATE REFERENCE INFORMATION**

Item No.	Item Code	Description
21	2511-7526004	SIDEWALK, P.C. CONCRETE, 4 IN.
22	2511-7526006	SIDEWALK, P.C. CONCRETE, 6 IN. Items are for pedestrian curb ramps. Refer to Tab.'s 113-1 and 113-10 and to S sheets.
-	-	-
23	2511-7528101	DETECTABLE WARNINGS Item is for pedestrian curb ramps. Refer to Tab. 113-1 and to S sheets.
-	-	-
24	2512-1725206	CURB AND GUTTER, P.C. CONCRETE, 2.0 FT. Item is for construction of pedestrian curb ramps. Refer to Tab. 112-4 and to S sheets.
-	-	-
25	2520-3350015	FIELD OFFICE
-	-	-
26	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED Refer to Tab. 108-22.
-	-	-
27	2527-9263137	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED Refer to Tab. 108-29.
-	-	-
28	2528-8445110	TRAFFIC CONTROL Night work is required. Refer to Tab. 108-23A.
-	-	-
29	2528-8445113	FLAGGERS Item is for traffic control at intersections.
-	-	-
30	2529-2242304	CD JOINT ASSEMBLY Refer to Tab.'s 102-6C (Repair).
-	-	-
31	2529-2242320	CT JOINT Refer to Tab.'s 102-6C (Repair) and (Finish).
-	-	-
32	2529-5070110	PATCHES, FULL-DEPTH FINISH, BY AREA
33	2529-5070120	PATCHES, FULL-DEPTH FINISH, BY COUNT Refer to Tab. 102-6C (Finish).
-	-	-
34	2529-8174010	SUBBASE (PATCHES) Refer to Tab. 102-6C (Repair).
-	-	-
35	2529-8174020	SUBBASE PATCH WITH EF JOINT
36	2529-8201000	JOINT ASSEMBLY, EF Refer to Tab. 102-6C (Finish).
-	-	-
37	2532-5200001	PAVEMENT SURFACE REPAIR (GRINDING LIMESTONE) Refer to Typ.'s 2602-C and 2602-D. The quantity includes both 12' wide through lanes and a 2' wide feather pass on the adjoining pavement or paved shoulder. All slurry or residue resulting from the grinding operation shall be collected and removed from the project.
-	-	-
38	2533-4980005	MOBILIZATION
-	-	-
39	2595-0005125	RAILROAD PROTECTIVE LIABILITY INSURANCE FOR DAKOTA, MINNESOT A, AND EASTERN RAILROAD CORP. Refer to Developmental Specifications.
-	-	-
40	2601-2639010	SODDING
41	2601-2643110	WATERING FOR SOD, SPECIAL DITCH CONTROL, OR SLOPE PROTECTION
42	2601-2643300	MOBILIZATION FOR WATERING Items are for sodding disturbed areas adjacent to proposed sidewalk. Refer to S sheets.
-	-	-

**105-4**  
10-18-11

### STANDARD ROAD PLANS

The following Standard Road Plans apply to construction work on this project.

Number	Date	Title
MI-220	10-20-15	Detectable Warnings and Pedestrian Ramp
PM-110	04-21-20	Line Types
PM-111	04-21-20	Symbols and Legends
PM-120	10-21-14	Stop Lines and Islands
PM-560	10-15-19	Divided Multi-Lane Roadway with no Turn Lanes
PM-561	10-15-19	Divided Multi-Lane Roadway with Right Turn Lanes
PM-562	10-15-19	Divided Multi-Lane Roadway with Left Turn Lanes
PM-760	10-15-19	Divided Multi-Lane Roadway Median
PR-103	04-21-20	Full Depth PCC Patch with Dowels
PV-101	04-21-20	Joints
PV-102	04-21-20	PCC Curb Details
PV-302	04-21-20	Superelevation Details Four Lane Roadway Depressed Median
SI-881	04-16-19	Special Signs for Workzones
TC-1	10-15-19	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-213	10-15-19	Lane Closure with Flaggers
TC-402	04-21-15	Work Within 15 ft of Traveled Way
TC-418	04-21-20	Lane Closure on Divided Highway
TC-422	04-21-20	Closure of Two Adjacent Lanes on Divided Highway
TC-482	10-15-19	Uneven Lanes
TC-601	10-15-19	Pedestrian Detour

**232-3B**  
04-16-19

### EROSION CONTROL (URBAN SEEDING)

Following the completion of work in a disturbed area and according to the seeding dates in Section 2601 of the Standard Specifications, place seed, fertilizer, and mulch on the disturbed area as follows:

Place seed and fertilize according to the requirements of Article 2601.03,C,4 and Section 4169 of the Standard Specifications.

Place mulch according to the requirements of Articles 2601.03,E,2,a and 4169.07,A of the Standard Specifications.

Preparing the seedbed, furnishing and applying seed, fertilizer, and mulch are incidental to mobilization and will not be paid for separately.

**262-6**  
10-18-05

### UTILITIES (NOT A POINT 25 PROJECT)

This is NOT a POINT 25 project and is not subject to the provisions of IAC 761-115.25.

**290-01**  
04-15-14

### SIDEWALK CONSTRAINTS

- Widths:  
Widths listed in the S sheets are minimums.
- Cross Slopes:  
Construct all sidewalks, curb ramps, and landings/turning spaces at a target cross slope of 1.5%. Cross slopes exceeding 2.0% will not be allowed, except for areas tying into existing pavement. In these areas, transition from existing pavement cross slope to a cross slope of less than 2.0% within one panel at a rate not to exceed 1.0% per foot.
- Longitudinal Slopes:
  - Sidewalk:
    - Roadway slope exceeds 5.0%: Sidewalk longitudinal slope exceeding the roadway slope by more than 2.0% will not be allowed.
    - Roadway slope 5.0% or less: Sidewalk longitudinal slope exceeding 5.0% will not be allowed.
  - Ramps:
    - Ramps 15.0' in length or less: Longitudinal slope exceeding 8.3% will not be allowed.
    - Ramps greater than 15.0' in length: Construct with the longitudinal slope necessary to conform to the design.
- Landing/Turning Spaces:  
Longitudinal slopes exceeding 2.0% will not be allowed.

**102-5**  
04-18-17

### EXISTING PAVEMENT

No.	Location					Year	Type	Project Number	Surface		Base		Subbase		Removal		Coarse Aggregate			Reinforcement	Remarks
	County	Route	Dir. of Travel	Begin Ref. Loc. Sign	End Ref. Loc. Sign				Type	Depth	Type	Depth	Type	Depth	Type	Depth	Source	Type	Durability Class	Type	
	Scott	US 6	EB	307.22	307.43	1984 1964		NA NA	BAC PCC	2.5 10.0	GSB	4.0									
	Scott	US 6	EB	307.43	307.77	1964 1937		NA NA	BAC PCC	3.0 7.0											
	Scott	US 6	EB	307.77	308.76	1964 1937		NA NA	BAC PCC	3.0 10.0											
	Scott	US 6	EB	308.76	309.43	1964 1937		NA NRM-18SEF	BAC PC7	3.0 7-10-7											
	Scott	US 6	WB	307.22	308.76	1964		NA	PCC	10.0											
	Scott	US 6	WB	308.76	309.43	1964 1937	V	NA NA	BAC PCC	3.0 7.0											

**102-5A**  
10-20-15

### EXISTING HMA PAVEMENT FOR RECYCLING

For informational purposes only. When designed RAP is specified, process the RAP to control the uniformity of the final mixture.

Route No.	Location	Year Placed	Layer	Thickness	Asphalt Binder		Description	Quality Type	Size	Content	Mix				% Crushed	% Limestone
					Grade	Content					% of -4 that is Type 2	% of +4 that is Type 2	% of +4 that is Type 3	% of +4 that is Type 4		
US 6	Brady St to Elmore Ave	1984	Surface	1.5"	AC 10	5.1%	CR LST LST Chips Nat Sand	Type A Type A	1/2" 1/2"	50% 20% 30%	0	0	0	98%	70%	70%
		1962	binder	1.5"	Pen 85-100	4.5%	Cr Stone Cr Stone Course sand Fine sand	Type A Type A	3/4" 3/8"	35% 40% 10% 15%	0	0	0	100	75%	0

100-27  
04-17-18

### PROPOSED POSTED SPEED LIMIT

Road Identification	Begin Station	End Station	Proposed Posted Speed Limit			Remarks
			35 or less	40 - 45	over 45	
US 6 Eastbound	186+38	190+50	X			
US 6 Eastbound	190+50	302+65		X		
US 6 Westbound	186+38	190+15	X			
US 6 Westbound	190+15	302+65		X		

110-1  
04-16-13

### REMOVAL OF PAVEMENT

Refer to Tabulation 102-5

\* Not a Bid Item

Begin Station	End Station	Side	Pavement Type	Area		Saw Cut*	Remarks
				SY	LF		
		NW	PCC	4.3	47.0		US 6 / Brady Street
		NW	PCC	4.7	51.0		US 6 / Eastern Avenue
		W Median	PCC	4.5	48.0		US 6 / Eastern Avenue
		SW	PCC	6.2	60.0		US 6 / Eastern Avenue
		SE	PCC	5.3	50.0		US 6 / Eastern Avenue
		E Median	PCC	4.5	48.0		US 6 / Eastern Avenue
		NE	PCC	4.5	45.0		US 6 / Eastern Avenue
		NE	PCC	3.0	32.0		US 6 / Jersey Ridge Road
		E Median	PCC	4.4	48.0		US 6 / Jersey Ridge Road
		SE	PCC	3.8	39.0		US 6 / Jersey Ridge Road
		NW	PCC	2.9	31.0		US 6 / Belle Avenue
		NE	PCC	3.0	31.0		US 6 / Belle Avenue
		<b>TOTALS</b>		<b>51.0</b>	<b>530.0</b>		

112-4  
10-21-14

### CURBS AND RAISED ISLANDS

Refer to PV-102.

① Item

Point No.	Station	Offset	Island Interior Area SY	Curb and Gutter			Remarks
				Curb Type	Gutter Width FT	Length LF	
				6" Standard PCC	2.0	11.3	US 6 / Brady Street - NW
				6" Standard PCC	2.0	12.3	US 6 / Eastern Avenue - NW
				6" Standard PCC	2.0	10.3	US 6 / Eastern Avenue - W
				6" Standard PCC	2.0	28.7	US 6 / Eastern Avenue - SW
				6" Standard PCC	2.0	13.1	US 6 / Eastern Avenue - SE
				6" Standard PCC	2.0	10.1	US 6 / Eastern Avenue - E
				6" Standard PCC	2.0	20.6	US 6 / Eastern Avenue - NE
				6" Standard PCC	2.0	14.0	US 6 / Jersey Ridge Rd - NE
				6" Standard PCC	2.0	10.1	US 6 / Jersey Ridge Rd - E
				6" Standard PCC	2.0	17.3	US 6 / Jersey Ridge Rd - SE
				6" Standard PCC	2.0	13.3	US 6 / Belle Avenue - NW
				6" Standard PCC	2.0	13.6	US 6 / Belle Avenue - NE
				<b>TOTAL</b>		<b>174.7</b>	

Note: Thickness of PCC gutter shall match the existing pavement but shall not be less than 10".



**ADJUSTMENT OF FIXTURES**

No.	Location Station	Type of Fixture	Adjustment
KIMBERLY (ALIGNMENT 576-H0576201)			
1	236+63.37	MH UTILITY ACCESS (MANHOLE)	
2	237+50.11	MH UTILITY ACCESS (MANHOLE)	
3	246+78.87	WV WATER VALVE	
4	247+35.07	GV GAS VALVE	
5	247+38.28	WV WATER VALVE	
6	247+40.06	WV WATER VALVE	
7	247+47.16	WV WATER VALVE	
8	254+72.29	WV WATER VALVE	
9	263+91.63	MH UTILITY ACCESS (MANHOLE)	
10	281+49.27	WV WATER VALVE	
11	282+18.31	WV WATER VALVE	
12	282+17.65	WV WATER VALVE	
13	281+75.95	WV WATER VALVE	
14	263+52.87	WV WATER VALVE	
15	263+51.10	WV WATER VALVE	
16	263+51.09	WV WATER VALVE	
17	263+44.32	WV WATER VALVE	
18	263+30.62	WV WATER VALVE	
19	263+24.27	IN 2X3 GRATE STORM SEWER INTAKE	
20	255+01.02	WV WATER VALVE	
21	254+67.39	WV WATER VALVE	
22	254+46.30	WV WATER VALVE	
23	254+02.77	WV WATER VALVE	
24	247+29.36	IN 2X3 GRATE STORM SEWER INTAKE	
25	246+96.76	GV GAS VALVE	
26	246+82.64	IN 2X3 GRATE STORM SEWER INTAKE	
27	246+42.88	WV WATER VALVE	
28	246+39.53	WV WATER VALVE	
29	246+32.52	WV WATER VALVE	
30	239+11.11	MH UTILITY ACCESS (MANHOLE)	
31	237+97.72	MH UTILITY ACCESS (MANHOLE)	
32	237+41.95	WV WATER VALVE	
33	237+35.35	WV WATER VALVE	
34	237+22.45	WV WATER VALVE	
35	235+96.97	MH UTILITY ACCESS (MANHOLE)	
36	235+96.91	MH UTILITY ACCESS (MANHOLE)	
37	235+31.91	MH UTILITY ACCESS (MANHOLE)	
38	235+31.72	MH UTILITY ACCESS (MANHOLE)	
39	221+72.05	WV WATER VALVE	
40	221+69.27	WV WATER VALVE	
41	221+65.79	WV WATER VALVE	
42	221+33.03	WV WATER VALVE	
43	211+71.10	WV WATER VALVE	
44	200+94.91	WV WATER VALVE	
45	200+57.43	MH TRAFFIC 3X3 UTILITY ACCESS (MANHOLE)	
46	188+72.56	WV WATER VALVE	
47	188+69.17	WV WATER VALVE	
48	188+65.48	MH UTILITY ACCESS (MANHOLE)	
49	188+37.83	MH UTILITY ACCESS (MANHOLE)	
KIMBERLY (ALIGNMENT 576-H0576202)			
50	296+34	MH UTILITY ACCESS (MANHOLE)	
Note: This tabulation is included for information only. It is anticipated that no manhole adjustments will be needed. Adjustment of other fixtures, if needed, will be incidental to other work on the project.			

**TABULATION OF UTILITIES**

**MidAmerican Energy (Electrical Distribution)**  
Maggie Notton  
2759 5th Avenue  
Rock Island, IL 61201  
309-793-3805  
mnotton@midamerican.com

**MidAmerican Energy (Gas)**  
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**MidAmerican Energy (Electrical Transmission)**  
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**Aureon Technology**  
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**Genesis Health System**  
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rossmillerk@genesishhealth.com

**TABULATION OF UTILITIES**

**Iowa American Water**  
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563-468-9225  
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**City of Davenport**  
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**Geneseo Communication**  
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**IADOT Davenport Maintenance Garage**  
Clyde Tobey  
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Davenport, IA 52809  
563-391-3920  
clyde.tobey@dot.iowa.gov

**CenturyLink**  
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507-285-2335  
steven.parker4@quest.com

**Windstream (ILEC & CLEC)**  
Jason Hedlund  
Construction Manager 11  
East Side of Iowa  
319-790-1071 (Office)  
319-432-8036 (Cell)  
Jason.Hedlund@windstream.com

**EXISTING PAVED SHOULDERS (FOG SEAL ONLY)**

- ① Lane(s) to which the shoulder is adjacent.
- ② Bid Item
- ③ Applies only for Paved Shoulders constructed on project with existing granular shoulders.
- ④ Does not include shrink.

Calculations assume a HMA unit weight (lbs/cf) of 140, a Special Backfill unit weight (lbs/cf) of 140, and a Granular Shoulder unit weight (lbs/cf) of 140.

Road Identification	Direction Of Traffic	Location			Quantities																	Remarks	
		Station to Station	Side	P Width FT	G Width FT	L Length FT	Class 13 Excavation CY ②	Hot Mix Asphalt		Binder TONS	Paved Shoulder SY	Reinforced Paved Shoulder SY ②	Special Backfill				Modified Subbase CY ②	Granular Shoulder		Earth Shoulder Construction Alternates			
								TON	TON/STA				HMA Alternate		PCC Alternate			TON ②	TON/STA	STA ②	HMA CY ④		PCC CY ④
													TON ②	TON/STA	TON ②	TON/STA							
<b>Existing HMA Paved Shoulder - Fog Seal Only</b>																							
US 6	EB	194+83	201+82	OUT	10.0	---	699.0																
US 6	EB	202+42	211+30	OUT	10.0	---	888.0																
US 6	EB	211+69	219+14	OUT	10.0	---	745.0																
US 6	EB	221+89	228+92	OUT	10.0	---	703.0																
US 6	EB	237+66	246+70	OUT	10.0	---	904.0																
US 6	EB	250+85	254+24	OUT	10.0	---	339.0																
US 6	EB	255+32	260+44	OUT	10.0	---	512.0																
US 6	EB	264+09	280+99	OUT	10.0	---	1690.0																
US 6	EB	283+04	299+74	OUT	10.0	---	1670.0																
US 6	EB	225+85	228+90	MED	3.0 - 16.0	---	305.0																
US 6	EB	275+24	275+89	MED	6.0 - 15.0	---	65.0																
US 6	EB	283+01	286+16	MED	15.0 - 6.0	---	315.0																
US 6	WB	302+68	296+35	OUT	10.0	---	633.0																
US 6	WB	295+98	282+95	OUT	10.0	---	1303.0																
US 6	WB	280+97	275+07	OUT	10.0	---	590.0																
US 6	WB	274+36	269+50	OUT	10.0	---	486.0																
US 6	WB	263+08	255+13	OUT	10.0	---	795.0																
US 6	WB	254+42	250+42	OUT	10.0	---	400.0																
US 6	WB	246+62	244+83	OUT	10.0	---	179.0																
US 6	WB	229+51	223+92	OUT	10.0	---	559.0																
US 6	WB	221+26	214+04	OUT	10.0	---	722.0																
US 6	WB	210+82	201+41	OUT	10.0	---	941.0																
US 6	WB	200+82	194+98	OUT	10.0	---	584.0																
US 6	WB	288+55	287+85	MED	6.0 - 15.0	---	70.0																
US 6	WB	280+79	277+80	MED	15.0 - 6.0	---	299.0																
		<b>TOTALS</b>					<b>16396.0</b>															<b>18242.4</b>	

### SHOULDERS

- ① Lane(s) to which the shoulder is adjacent.
- ② Bid Item
- ③ Applies only for Paved Shoulders constructed on project with existing granular shoulders.
- ④ Does not include shrink.

Calculations assume a HMA unit weight (lbs/cf) of 140, a Special Backfill unit weight (lbs/cf) of 140, and a Granular Shoulder unit weight (lbs/cf) of 140.

Road Identification	Direction Of Traffic	Location			Quantities																		Remarks	
		Station to Station		Side	P Width FT	G Width FT	L Length FT	Class 13 Excavation CY ②	Hot Mix Asphalt		Binder TONS	Paved Shoulder SY ②	Reinforced Paved Shoulder SY ②	Special Backfill				Modified Subbase CY ②	Granular Shoulder		Earth Shoulder Construction Alternates			
									HMA Alternate					PCC Alternate		Granular Shoulder			Earth Shoulder Construction Alternates					
				TON	TON/STA	TON ②	TON/STA	TON ②	TON/STA	TON ②	TON/STA	TON ②	TON/STA	TON ②	TON/STA	TON ②	TON/STA	TON ②	TON/STA	TON ②	TON/STA	TON ②		HMA CY ④
US 6	EB	191+90	197+40	MED	4.0	Fillet	550.0	40.7											16.500	3.0				
US 6	EB	203+10	209+40	MED	4.0	Fillet	630.0	46.7											18.900	3.0				
US 6	EB	212+55	219+40	MED	4.0	Fillet	685.0	50.7											20.550	3.0				
US 6	EB	222+00	225+85	MED	4.0	Fillet	385.0	28.5											11.550	3.0				
US 6	EB	238+35	243+15	MED	4.0	Fillet	480.0	35.6											14.400	3.0				
US 6	EB	248+40	251+10	MED	4.0	Fillet	270.0	20.0											8.100	3.0				
US 6	EB	255+60	259+90	MED	4.0	Fillet	430.0	31.9											12.900	3.0				
US 6	EB	264+60	275+25	MED	4.0	Fillet	1065.0	78.9											31.950	3.0				
US 6	EB	286+00	299+20	MED	4.0	Fillet	1320.0	97.8											39.600	3.0				
US 6	WB	191+90	200+15	MED	4.0	Fillet	825.0	61.1											24.750	3.0				
US 6	WB	205+80	211+00	MED	4.0	Fillet	520.0	38.5											15.600	3.0				
US 6	WB	215+80	221+10	MED	4.0	Fillet	530.0	39.3											15.900	3.0				
US 6	WB	223+50	225+90	MED	4.0	Fillet	240.0	17.8											7.200	3.0				(A)
US 6	WB	229+35	233+20	MED	4.0	Fillet	385.0	28.5											11.550	3.0				
US 6	WB	244+80	246+00	MED	4.0	Fillet	120.0	8.9											3.600	3.0				
US 6	WB	251+10	254+10	MED	4.0	Fillet	300.0	22.2											9.000	3.0				
US 6	WB	257+80	262+60	MED	4.0	Fillet	480.0	35.6											14.400	3.0				
US 6	WB	267+30	277+80	MED	4.0	Fillet	1050.0	77.8											31.500	3.0				
US 6	WB	288+90	302+65	MED	4.0	Fillet	1375.0	101.9											41.250	3.0				
<b>TOTALS</b>							<b>11640.0</b>	<b>862.2</b>				<b>5173.3</b>							<b>349.200</b>					
<p>Note: (A) Class 13 Excavation quantity includes excavation of existing HMA to the depth of the proposed paved shoulder.</p>																								

**SIDEWALK REMOVAL**

110-5  
10-20-15

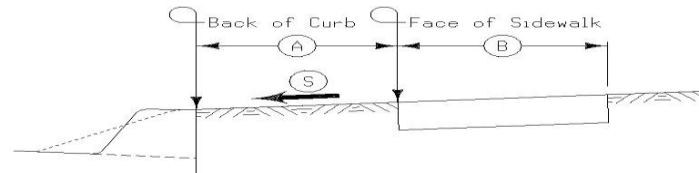
\* Not a bid item

Begin Station	End Station	Area	Saw Cut*	Remarks
		SY	LF	
US 6 / Brady Street - NW		15.4	8.0	
US 6 / Eastern Avenue - NW		21.9	5.0	
US 6 / Eastern Avenue - W		16.2	16.0	Median
US 6 / Eastern Avenue - SW		15.8	5.0	
US 6 / Eastern Avenue - SE		12.9	4.0	
US 6 / Eastern Avenue - E		10.4	13.0	Median
US 6 / Eastern Avenue - NE		16.3	4.0	
US 6 / Jersey Ridge Rd - NE		11.7	4.0	
US 6 / Jersey Ridge Rd - E		---	---	Median
US 6 / Jersey Ridge Rd - SE		8.3	4.0	
US 6 / Belle Avenue - NW		8.1	4.0	
US 6 / Belle Avenue - NE		8.3	4.0	
<b>TOTAL</b>		<b>145.3</b>	<b>71.0</b>	

**SIDEWALKS**

113-1  
04-16-19

See MI-220 and S Sheets



Intersection/Road	Quadrant/Side	Length	A	B	S	4" PCC Sidewalk	6" PCC Sidewalk	8" PCC Sidewalk	10" PCC Sidewalk	Detectable Warnings	Remarks
			FT	FT	%	SY	SY	SY	SY	SF	
US 6 / Brady Street	NW	---	---	5.00	---	10.7	5.4			10	
US 6 / Eastern Avenue	NW	---	---	5.00	---	14.9	8.9			20	
US 6 / Eastern Avenue	W Median	---	---	6.00	---	---	16.2			24	
US 6 / Eastern Avenue	SW	---	---	5.00	---	14.8	9.9			20	
US 6 / Eastern Avenue	SE	---	---	4.00/5.00	---	8.3	10.0			20	
US 6 / Eastern Avenue	E Median	---	---	6.00	---	---	10.4			24	
US 6 / Eastern Avenue	NE	---	---	5.00	---	10.2	13.7			30	
US 6 / Jersey Ridge Road	NE	---	---	5.00	---	10.7	5.6			17	
US 6 / Jersey Ridge Road	E Median	---	---	6.00	---	---	12.0			24	
US 6 / Jersey Ridge Road	SE	---	---	5.00	---	4.2	7.7			24	
US 6 / Belle Avenue	NW	---	---	5.00	---	15.2	5.0			10	
US 6 / Belle Avenue	NE	---	---	5.00	---	15.1	5.0			10	
<b>TOTALS</b>						<b>104.1</b>	<b>109.8</b>			<b>233</b>	

### PAVEMENT MARKING LINE TYPES

See PM-110

\*\*\*MNY4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

\*BCY4 - Place on the same side of the roadway to match existing markings near the project.

\*\*NPY4 - For estimating purposes only. No Passing Zone Lines will be located in the field.

BLW4: Broken Lane Line (White) @ 0.25  
SLW2: Stop Line (White) @ 6.00

ELW4: Edge Line Right (White) @ 1.00  
DLW4: Dotted Line (White) @ 0.33

ELY4: Edge Line Left (Yellow) @ 1.00  
CHY8: Channelizing Line (Yellow) @ 2.00

SLW4: Solid Lane Line (White) @ 1.00  
MNY4: Median Nose (Yellow) @ 1.00

CHW8: Channelizing Line (White) @ 2.00  
STY6: Standard Curb 6" (Yellow) @ 3.03

Road ID	Station to Station		Dir. of Travel	Marking Type	Side			Length by Line Type (Unfactored)										Remarks					
					L	C	R	BLW4	ELW4	ELY4	SLW4	CHW8	SLW2	DLW4	CHY8	MNY4***	STY6		STA	STA	STA	STA	STA
					STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA		STA	STA	STA	STA	STA
Eastbound																							
US 6	187+40	188+65	EB	Waterborne/Solvent Paint	X	X	X	0.60	0.40	0.40				0.70	1.00					1.00		Final (HMA)	
US 6	187+40	188+65	EB	Waterborne/Solvent Paint	X	X	X	0.60	0.40	0.40					1.00							Temporary (HMA)	
US 6	188+65	200+00	EB	Waterborne/Solvent Paint	X	X	X	13.40	5.20	11.40			3.60									Final (PCC)	
US 6	200+00	218+00	EB	Waterborne/Solvent Paint	X	X	X	17.40	16.20	14.50	1.20	2.00								2.00		Final (HMA)	
US 6	200+00	218+00	EB	Waterborne/Solvent Paint	X	X	X	17.40	16.20	14.50	1.20	2.00										Temporary (HMA)	
US 6	218+00	225+00	EB	Waterborne/Solvent Paint	X	X	X	6.30	6.30	6.30	2.40									1.00		Final (PCC)	
US 6	225+00	228+90	EB	Waterborne/Solvent Paint	X	X	X	3.90	3.90	3.90												Final (HMA)	
US 6	225+00	228+90	EB	Waterborne/Solvent Paint	X	X	X	3.90	3.90	3.90												Temporary (HMA)	
US 6	228+90	237+60	EB	Waterborne/Solvent Paint	X	X	X	7.60	6.60	7.60	4.00	12.30	0.70									Final (PCC)	
US 6	237+60	292+40	EB	Waterborne/Solvent Paint	X	X	X	51.70	49.40	50.00	3.90	21.30	1.20		0.80	1.50	2.00					Final (HMA) Note (A)	
US 6	237+60	292+40	EB	Waterborne/Solvent Paint	X	X	X	51.70	49.40	50.00	3.90	21.30			0.80							Temporary (HMA)	
US 6	292+40	302+65	EB	Waterborne/Solvent Paint	X	X	X	10.30	10.30	10.30	8.80		0.70									Final (PCC)	
Westbound																							
US 6	187+40	188+65	WB	Waterborne/Solvent Paint	X	X	X		0.40	0.40	0.30		0.70									Final (HMA)	
US 6	187+40	188+65	WB	Waterborne/Solvent Paint	X	X	X		0.40	0.40	0.30											Temporary (HMA)	
US 6	188+65	232+20	WB	Waterborne/Solvent Paint	X	X	X	41.80	39.60	41.00	8.10	11.00								3.00		Final (PCC)	
US 6	232+20	233+20	WB	Waterborne/Solvent Paint	X	X	X	1.00	1.00	1.00												Final (HMA)	
US 6	232+20	233+20	WB	Waterborne/Solvent Paint	X	X	X	1.00	1.00	1.00												Temporary (HMA)	
US 6	233+20	236+60	WB	Waterborne/Solvent Paint	X	X	X	3.40	3.40	3.40										2.00		Final (PCC)	
US 6	236+60	238+60	WB	Waterborne/Solvent Paint	X	X	X	1.00	1.00	1.00	1.00	3.30	0.70		0.50							Final (HMA)	
US 6	236+60	238+60	WB	Waterborne/Solvent Paint	X	X	X	1.00	1.00	1.00	1.00	3.30	0.70									Temporary (HMA)	
US 6	238+60	291+70	WB	Waterborne/Solvent Paint	X	X	X	51.60	50.00	50.00	4.20	39.60	1.20		1.00							Final (PCC) Note (A)	
US 6	291+70	302+65	WB	Waterborne/Solvent Paint	X	X	X	11.00	11.00	11.00												Final (PCC)	
Factored Total: Waterborne/Solvent Paint								74.15	277.00	283.40	40.30	239.40	39.60	0.67	3.20	3.00	33.33	-	-	-	-	-	
Bid Quantity: Painted Pavement Markings, Waterborne or Solvent-Based										994.05													
Note: (A) Add new stop bar at Jersey Ridge Road.																							

### PAVEMENT MARKING SYMBOLS AND LEGENDS

Refer to PM-111

Road Identification	Location		STAW	RTAW	LTAW	CSRW	CSLW	CSTW	CRLW	FERW	LLRW	RLRW	RRCW	BLSW	WCSW	WPSB	SCLW	XNGW	STPW	AHDW	ONLW	BIKW	LANW	XITW	Groove Cuts	Remarks
	Station	Side																								
US 6 EB, near Eastern Avenue				5	5																					
US 6 EB, near Forest Road					4																					
US 6 EB, near Elmore Avenue				4	7																					
US 6 WB, near Eastern Avenue				5	5																					
US 6 WB, near Forest Road					4																					
US 6 EB & WB, RR Xing													2													Final
US 6 EB, RR Xing													1													Temporary (EB)
<b>TOTALS</b>				<b>14</b>	<b>25</b>								<b>3</b>													

### FULL-DEPTH PATCHES (FINISH)

Possible Standards: PR-101, PR-102, PR-103, PR-104, PR-105 and PR-140.

Count	Location			Dimension			PCC Patches				HMA Patches	Composite HMA	Subbase Patches	Subbase Patch w/ 'EF' Joint	Patch Subdrain	'CD' Joints	'CT' Joints	'EF' Joints	Anchor Lugs Removal	Remarks
	Station	Reference Location Sign	Lane	Length	Width	Patch Thickness	With Dowels	Without Dowels	C R C	Ramp with Dowels										
							PR-103	PR-102	PR-104	PR-105										
FT	FT	IN	SY	SY	SY	SY	SY	TON	SY	SY	PR-101 or PR-140	No.	No.	No.	No.					
Eastbound																				
1	198+20		TL	6.0	11.0	10.0	7.3													
2	251+50		TL	6.0	8.0	10.0	5.3													
3	251+70		TL	6.0	10.0	10.0	6.7													
4	251+90		TL	6.0	10.0	10.0	6.7													
5	252+40		TL	6.0	10.0	10.0	6.7													
6	253+45		TL	6.0	10.0	10.0	6.7													
7	253+85		TL	6.0	10.0	10.0	6.7													
8	254+65		TL	6.0	20.0	10.0	13.3													
9	260+50		TL	6.0	10.0	10.0	6.7													
10	261+10		TL	6.0	10.0	10.0	6.7													
11	235+30.00		TL	20.0	12.0	12.0	26.7							26.7			1		Near Intake	
Westbound																				
12	266+95		TL	6.0	6.0	10.0	4.0													
13	266+75		TL	6.0	8.0	10.0	5.3													
14	265+15		TL	6.0	20.0	10.0	13.3													
15	247+40		C	20.0	15.0	10.0	33.3													
16	147+30		C	20.0	20.0	10.0	44.4													
17	238+80		L	20.0	6.0	10.0	13.3													
18	192+50		TL	6.0	12.0	10.0	8.0													
19	192+30		TL	6.0	12.0	10.0	8.0													
20	192+10		TL	6.0	12.0	10.0	8.0													
21	191+90		TL	6.0	12.0	10.0	8.0													
22	191+60		TL	6.0	12.0	10.0	8.0													
23	191+40		TL	6.0	12.0	10.0	8.0													
24	189+20		TL	6.0	12.0	10.0	8.0													
25	188+80		TL	6.0	12.0	10.0	8.0													
25	Subtotals						277.1							26.7			3	1		
3	+10% Discretionary						27.7							---			1	---		
28	TOTALS						304.8							26.7			4	1		
Note: TL = Turn Lane, C = Center Lane																				

### FULL-DEPTH PATCHES (REPAIR)

Possible Standards: PR-101, PR-102, PR-103, PR-104, PR-105 and PR-140.

Count	Location			Dimension			PCC Patches				HMA Patches	Composite HMA	Subbase Patches	Subbase Patch w/ 'EF' Joint	Patch Subdrain	'CD' Joints	'CT' Joints	'EF' Joints	Anchor Lugs Removal	Remarks
	Station	Reference Location Sign	Lane	Length	Width	Patch Thickness	With Dowels	Without Dowels	C R C	Ramp with Dowels										
							PR-103	PR-102	PR-104	PR-105										
FT	FT	IN	SY	SY	SY	SY	SY	TON	SY	SY	PR-101 or PR-140	No.	No.	No.	No.					
Eastbound																				
1	188+95		L	6.0	14.0	10.0	9.3													W/Curb
2	189+16		C	6.0	12.0	10.0	8.0													
3	189+60		L	16.0	6.0	10.0	10.7													
4	189+75		C	6.0	12.0	10.0	8.0													
5	190+60		C	6.0	12.0	10.0	8.0													
6	191+27		C	6.0	12.0	10.0	8.0													
7	192+10		L	6.0	12.0	10.0	8.0													
8	192+10		C	8.0	12.0	10.0	10.7													
9	192+50		R	220.0	5.0	10.0	122.2							146.7		11	2		2' TO 8' TAPER W/CURB	
10	192+90		C	12.0	12.0	10.0	16.0													
11	193+10		L	6.0	12.0	10.0	8.0													
12	193+10		C	6.0	12.0	10.0	8.0													
13	193+50		L	6.0	12.0	10.0	8.0													
14	193+90		R	6.0	12.0	10.0	8.0													
15	194+30		R	6.0	12.0	10.0	8.0													
16	195+00		L	6.0	12.0	10.0	8.0													
17	195+25		R	6.0	12.0	10.0	8.0													
18	195+50		L	6.0	12.0	10.0	8.0													
19	195+50		R	6.0	12.0	10.0	8.0													
20	195+65		L	6.0	12.0	10.0	8.0													
21	195+85		L	6.0	12.0	10.0	8.0													







<b>108-23A</b> 08-01-08
<b>TRAFFIC CONTROL PLAN</b>
<p>1. Through traffic will be maintained on the project at all times.</p> <p><b>2. RESTRICTED WORKING HOURS - NIGHT WORK REQUIRED</b> Lane closures will be permitted from 8:00 p.m. to 6:00 a.m. beginning at 8:00 p.m. Sunday and ending at 6:00 a.m. Friday. Lane closures outside of these hours will not be permitted.</p> <p>Traffic control devices shall not be placed in the traveled way before 8:00 p.m.. Traffic control devices shall be removed from the traveled way before 6:00 a.m. each morning.</p> <p>3. Lane closures will not be permitted during the following Special Event: John Deere Classic: July 9-12, 2020 Bix Events: July 24-25, 2020</p>

<b>111-01</b> 04-17-12								
<b>COORDINATED OPERATIONS</b>								
Other work in progress during the same period of time will include the construction of the projects listed. Coordinate operations with those of other contractors working within the same area.								
<table border="1"> <thead> <tr> <th>Project</th> <th>Type of Work</th> </tr> </thead> <tbody> <tr> <td>MP-006-6(714)309--76-82</td> <td>HMA Crack Sealing</td> </tr> <tr> <td>NHSN-461-1(12)--2R-82</td> <td>PCC Pavement - Replace</td> </tr> <tr> <td>MP-461-6(705)112--76-82</td> <td>HMA Crack Filling</td> </tr> </tbody> </table>	Project	Type of Work	MP-006-6(714)309--76-82	HMA Crack Sealing	NHSN-461-1(12)--2R-82	PCC Pavement - Replace	MP-461-6(705)112--76-82	HMA Crack Filling
Project	Type of Work							
MP-006-6(714)309--76-82	HMA Crack Sealing							
NHSN-461-1(12)--2R-82	PCC Pavement - Replace							
MP-461-6(705)112--76-82	HMA Crack Filling							

<b>108-25</b> 10-21-14
<b>511 TRAVEL RESTRICTIONS</b>

Route	Direction	County	Location Description	Feature Crossed	Object Type	Maint. Bridge No., Structure ID, or FHWA No.	Type of Restriction	Existing Measurement	Construction Measurement	Construction Measurement as Signed	Projected As Built Measurement	Remarks
			None									

<b>113-2</b> 04-16-13																																																					
<b>PEDESTRIAN PATH CLOSURES</b>																																																					
Refer to TC-601.																																																					
*Assumes 6 foot wide barricade. Closures may need to be removed and re-established.																																																					
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Location			Side		Type III Barricades*	Remarks																																															
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<b>TOTAL</b>		<b>12</b>																																																			



### SIDEWALK COMPLIANCE

See S Sheets

- \* Does not include curb
- ① Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
- ② Refer to tabulation 113-01 for bid quantities.

Point to Point	Sidewalk Designation	_" PCC Sidewalk ②	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? ①	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES							
											FT	FT	%	Pos. or Neg.	Point	Station	Offset	Elevation
501	516	Ramp Running Slope	6	8.90	0.61	6.9%	0.5% to 8.3%				501	237+50.55	34.50	636.92				
502	503	Ramp Running Slope	6	5.20	0.31	6.0%	0.5% to 8.3%				502	237+54.36	29.55	637.17				
503	504	Landing/Turning Space	4	4.00	0.04	1.0%	0.1% to 2.0%				503	237+59.28	29.50	637.48				
503	516	Landing/Turning Space	6	5.00	0.05	1.0%	0.1% to 2.0%				504	237+63.28	29.50	637.52				
504	505	Ramp Running Slope	6	6.70	-0.10	-1.5%	0.5% to 8.3%				505	237+63.28	22.84	637.42				
504	507	Landing/Turning Space	6	5.00	0.05	1.0%	0.1% to 2.0%				506	237+68.28	20.27	637.52				
504	509	Landing/Turning Space	4	5.00	0.05	1.0%	0.1% to 2.0%				507	237+68.28	29.50	637.57				
506	507	Ramp Running Slope	6	9.30	0.05	0.5%	0.5% to 8.3%				508	237+68.44	34.48	637.62				
507	508	Landing/Turning Space	4	5.00	0.05	1.0%	0.1% to 2.0%				509	237+63.28	34.50	637.57				
508	509	Landing/Turning Space	4	5.00	-0.05	-1.0%	0.1% to 2.0%				510	237+58.73	42.32	637.49				
509	510	Sidewalk Running Slope	4	9.50	-0.08	-0.8%	0.5% to 5.0%				511	237+57.21	43.19	637.47				
509	516	Landing/Turning Space	4	4.00	-0.04	-1.0%	0.1% to 2.0%				512	237+55.00	45.78	637.44				
510	511	Sidewalk Running Slope	4	1.80	-0.02	-1.1%	0.5% to 5.0%				513	237+51.25	44.37	637.41				
510	515	Sidewalk Cross Slope	4	4.00	-0.01	-0.2%	0.5% to 2.0%				514	237+56.75	39.70	637.46				
511	512	Sidewalk Running Slope	4	3.50	-0.03	-0.9%	0.5% to 5.0%				515	237+54.42	38.85	637.48				
511	514	Sidewalk Cross Slope	4	4.00	-0.01	-0.2%	0.5% to 2.0%				516	237+59.28	34.50	637.53				
512	513	Match Existing Cross Slope	4	4.00	-0.03	-0.8%	Match Existing				517	237+54.27	34.52					
513	514	Sidewalk Running Slope	4	6.20	0.05	0.8%	0.5% to 5.0%				518	237+59.72	47.51					
514	515	Sidewalk Running Slope	4	1.80	0.02	1.1%	0.5% to 5.0%											
515	516	Sidewalk Running Slope	4	5.30	0.05	0.9%	0.5% to 5.0%											
601	602	Sidewalk Running Slope	6	6.10	-0.30	-4.9%	0.5% to 5.0%	Yes			601	237+63.36	-27.82	637.62				
602	603	Match Existing Cross Slope	6	6.20	0.02	0.3%	Match Existing				602	237+62.63	-34.04	637.32				
603	604	Sidewalk Running Slope	6	7.30	0.35	4.8%	0.5% to 5.0%	Yes			603	237+68.78	-35.20	637.34				
604	601	Match Existing Cross Slope	6	6.00	-0.07	-1.2%	Match Existing				604	237+68.78	-28.01	637.69				
701	702	Ramp Running Slope	6	10.20	0.66	6.5%	0.5% to 8.3%				701	237+55.59	-116.55	635.92				
702	703	Sidewalk Running Slope	4	6.00	-0.06	-1.0%	0.5% to 5.0%				702	237+63.76	-121.65	636.58				
702	707	Landing/Turning Space	4	5.00	0.07	1.4%	0.1% to 2.0%				703	237+62.15	-127.22	636.52				
702	709	Landing/Turning Space	6	10.70	0.12	1.1%	0.1% to 2.0%				704	237+61.10	-132.10	636.46				
703	704	Sidewalk Running Slope	4	5.00	-0.06	-1.2%	0.5% to 5.0%				705	237+64.40	-132.95	636.43				
703	706	Sidewalk Cross Slope	4	4.50	0.05	1.1%	0.5% to 2.0%				706	237+65.96	-128.18	636.57				
704	705	Match Existing Cross Slope	4	4.00	-0.03	-0.8%	Match Existing				707	237+68.64	-124.19	636.65				
705	706	Sidewalk Running Slope	4	5.00	0.14	2.8%	0.5% to 5.0%				708	237+74.21	-118.84	636.74				
706	707	Sidewalk Running Slope	4	4.60	0.08	1.7%	0.5% to 5.0%				709	237+71.93	-114.39	636.70				
707	708	Landing/Turning Space	4	7.80	0.09	1.2%	0.1% to 2.0%				710	237+67.80	-107.29	636.56				
708	709	Landing/Turning Space	4	5.00	-0.04	-0.8%	0.1% to 2.0%				711	237+80.78	-131.21					
709	710	Ramp Running Slope	6	8.00	-0.14	-1.8%	0.5% to 8.3%											
801	802	Landing/Turning Space	6	5.00	0.07	1.4%	0.1% to 2.0%				801	264+02.40	-106.55	679.15				
802	803	Ramp Running Slope	4	15.00	1.20	8.0%	0.5% to 8.3%	Yes			802	264+01.90	-111.53	679.22				
802	807	Landing/Turning Space	6	5.00	0.09	1.8%	0.1% to 2.0%	Yes			803	264+00.40	-126.45	680.42				
803	804	Sidewalk Running Slope	4	4.10	0.10	2.4%	0.5% to 5.0%				804	264+00.41	-130.47	680.52				
803	806	Ramp Cross Slope	4	5.00	0.09	1.8%	0.1% to 2.0%	Yes			805	264+04.39	-130.87	680.66				
804	805	Match Existing Cross Slope	4	4.00	0.14	3.5%	Match Existing				806	264+05.37	-126.95	680.51				
805	806	Sidewalk Running Slope	4	4.10	-0.15	-3.7%	0.5% to 5.0%				807	264+06.87	-112.03	679.31				
806	807	Ramp Running Slope	4	15.00	-1.20	-8.0%	0.5% to 8.3%	Yes			808	264+08.03	-100.60	679.25				
807	808	Landing/Turning Space	6	11.60	-0.06	-0.5%	0.1% to 2.0%											
901	902	Sidewalk Running Slope	6	8.00	0.24	3.0%	0.5% to 5.0%				901	264+02.78	-29.90	678.93				
902	903	Match Existing Cross Slope	6	6.10	-0.08	-1.3%	Match Existing				902	264+02.99	-37.79	679.17				
903	904	Sidewalk Running Slope	6	9.30	-0.37	-4.0%	0.5% to 5.0%				903	264+09.00	-38.00	679.09				
904	901	Match Existing Cross Slope	6	6.10	0.21	3.4%	Match Existing				904	264+08.75	-28.84	678.72				
1001	1002	Landing/Turning Space	6	6.50	0.05	0.8%	0.1% to 2.0%				1001	263+96.72	39.76	677.02				
1002	1003	Ramp Running Slope	4	8.10	-0.55	-6.8%	0.5% to 8.3%				1002	263+96.57	46.16	677.07				
1002	1005	Landing/Turning Space	6	5.00	0.07	1.4%	0.1% to 2.0%				1003	263+96.73	54.17	676.52				
1003	1004	Match Existing Cross Slope	4	4.00	-0.01	-0.2%	Match Existing				1004	264+00.72	54.26	676.51				
1004	1005	Ramp Running Slope	4	8.10	0.63	7.8%	0.5% to 8.3%	Yes			1005	264+01.57	46.28	677.14				
1005	1006	Landing/Turning Space	6	16.00	0.31	1.9%	0.1% to 2.0%	Yes			1006	264+01.93	30.41	677.45				

**SIDEWALK COMPLIANCE**

See S Sheets

- \* Does not include curb
- ① Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
- ② Refer to tabulation 113-01 for bid quantities.

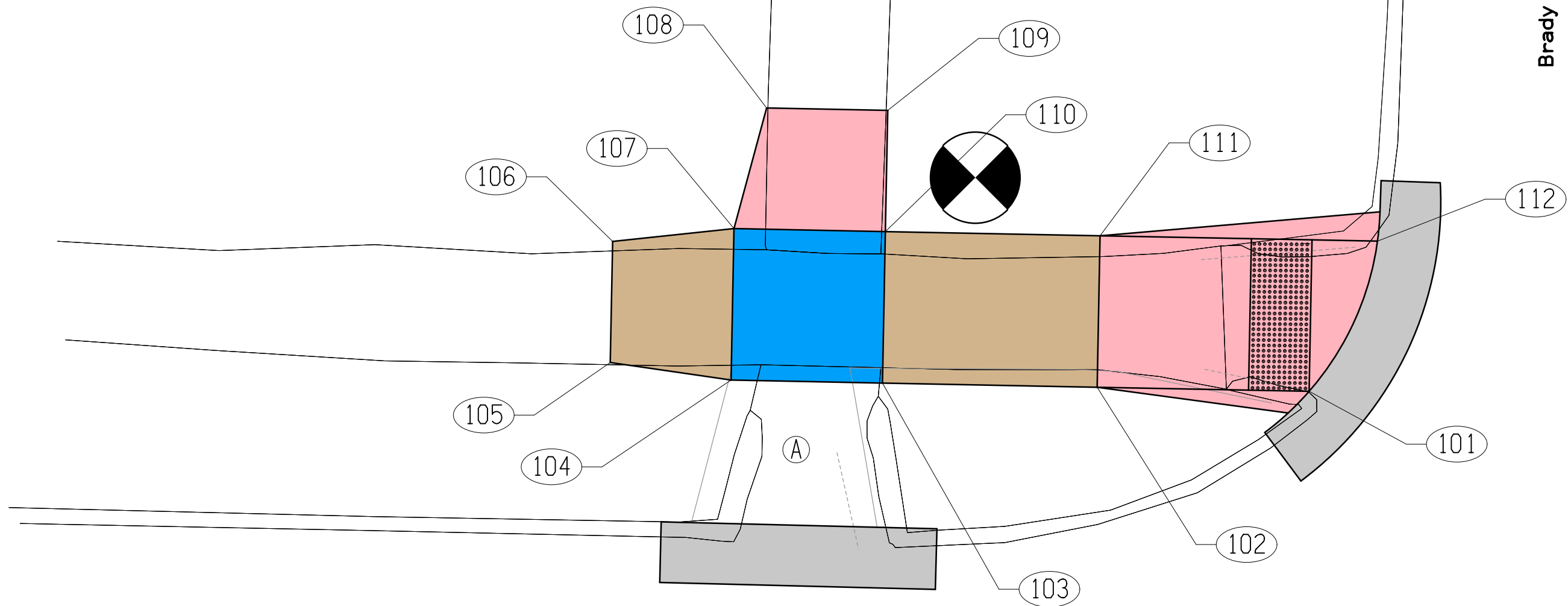
Point to Point	Sidewalk Designation	" PCC Sidewalk ②	Distance*		Slope	Acceptable Constructed Range	Staking Required on this Quadrant? ①	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
			FT	FT							Point	Station	Offset	Elevation
1101	1102	Ramp Running Slope	6	6.00	0.34	5.7%	0.5% to 8.3%				1101	254+52.00	-105.79	667.17
1102	1103	Landing/Turning Space	4	5.00	0.05	1.0%	0.1% to 2.0%				1102	254+46.00	-105.79	667.51
1102	1111	Landing/Turning Space	6	5.00	0.05	1.0%	0.1% to 2.0%				1103	254+41.00	-105.80	667.56
1103	1104	Landing/Turning Space	4	5.00	0.05	1.0%	0.1% to 2.0%				1104	254+41.00	-110.80	667.61
1104	1105	Sidewalk Running Slope	4	12.50	0.11	0.9%	0.5% to 5.0%				1105	254+47.88	-120.30	667.72
1104	1111	Landing/Turning Space	4	5.00	-0.05	-1.0%	0.1% to 2.0%				1106	254+51.32	-125.04	667.78
1105	1106	Sidewalk Running Slope	4	6.30	0.06	1.0%	0.5% to 5.0%				1107	254+52.33	-129.04	667.82
1105	1110	Sidewalk Cross Slope	4	5.00	-0.05	-1.0%	0.5% to 2.0%				1108	254+56.33	-129.03	667.74
1106	1107	Sidewalk Running Slope	4	4.20	0.04	1.0%	0.5% to 5.0%				1109	254+56.32	-125.03	667.73
1106	1109	Sidewalk Cross Slope	4	5.00	-0.05	-1.0%	0.5% to 2.0%				1110	254+49.44	-115.55	667.67
1107	1108	Match Existing Cross Slope	4	4.00	-0.08	-2.0%	Match Existing				1111	254+46.00	-110.80	667.56
1108	1109	Sidewalk Running Slope	4	4.00	-0.01	-0.2%	0.5% to 5.0%				1112	254+54.92	-110.80	667.14
1109	1110	Sidewalk Running Slope	4	12.50	-0.06	-0.5%	0.5% to 5.0%				1113	254+50.99	-110.76	
1110	1111	Sidewalk Running Slope	4	6.30	-0.11	-1.7%	0.5% to 5.0%				1114	254+46.33	-125.07	
1111	1112	Ramp Running Slope	6	9.00	-0.42	-4.7%	0.5% to 8.3%							
1201	1202	Ramp Running Slope	6	8.90	0.39	4.4%	0.5% to 8.3%				1201	255+01.58	-110.80	667.56
1202	1203	Sidewalk Running Slope	4	6.20	-0.01	-0.2%	0.5% to 5.0%				1202	255+10.40	-110.80	667.95
1202	1209	Landing/Turning Space	4	5.00	0.05	1.0%	0.1% to 2.0%				1203	255+07.00	-115.53	667.94
1202	1211	Landing/Turning Space	6	5.00	0.05	1.0%	0.1% to 2.0%				1204	255+00.20	-124.92	667.93
1203	1204	Sidewalk Running Slope	4	12.40	-0.01	-0.1%	0.5% to 5.0%				1205	255+00.16	-128.93	667.92
1203	1208	Sidewalk Cross Slope	4	5.00	0.05	1.0%	0.5% to 2.0%				1206	255+04.16	-128.96	667.97
1204	1205	Sidewalk Running Slope	4	4.00	-0.01	-0.2%	0.5% to 5.0%				1207	255+05.20	-124.97	667.98
1204	1207	Sidewalk Cross Slope	4	5.00	0.05	1.0%	0.5% to 2.0%				1208	255+08.60	-120.27	667.99
1205	1206	Match Existing Cross Slope	4	4.00	0.05	1.3%	Match Existing				1209	255+15.40	-110.80	668.00
1206	1207	Sidewalk Running Slope	4	4.10	0.01	0.2%	0.5% to 5.0%				1210	255+15.40	-105.80	668.05
1207	1208	Sidewalk Running Slope	4	6.20	0.01	0.2%	0.5% to 5.0%				1211	255+10.40	-105.80	668.00
1208	1209	Sidewalk Running Slope	4	12.50	0.01	0.1%	0.5% to 5.0%				1212	255+04.40	-105.80	667.66
1209	1210	Landing/Turning Space	4	5.00	0.05	1.0%	0.1% to 2.0%				1213	255+05.42	-110.73	
1210	1211	Landing/Turning Space	4	5.00	-0.05	-1.0%	0.1% to 2.0%				1214	255+10.21	-125.00	
1211	1212	Ramp Running Slope	6	6.00	-0.34	-5.7%	0.5% to 8.3%							

**PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS**

LINEWORK		Design Color No.
Green	(2)	Existing Topographic Features and Labels
Blue	(1)	Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation
Magenta	(5)	Existing Utilities
SHADING		Design Color No.
Tan	(8)	Proposed Sidewalk Shading
Blue, Light	(230)	Proposed Sidewalk Landing Shading
Pink	(11)	Proposed Sidewalk Ramp Shading
Yellow	(4)	Highlight for Critical Notes or Features
Red	(3)	Delineates Restricted Areas
Lavender	(9)	Temporary Pavement Shading
Gray, Light	(48)	Proposed Pavement Shading
Gray, Med	(80)	Proposed Granular Shading
Gray, Dark	(112)	Proposed Grade and Pave Shading
Brown, Light	(236)	Grading Shading

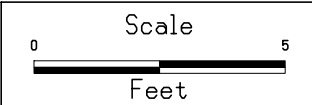


Ⓐ = Remove This Ramp and Do Not Replace

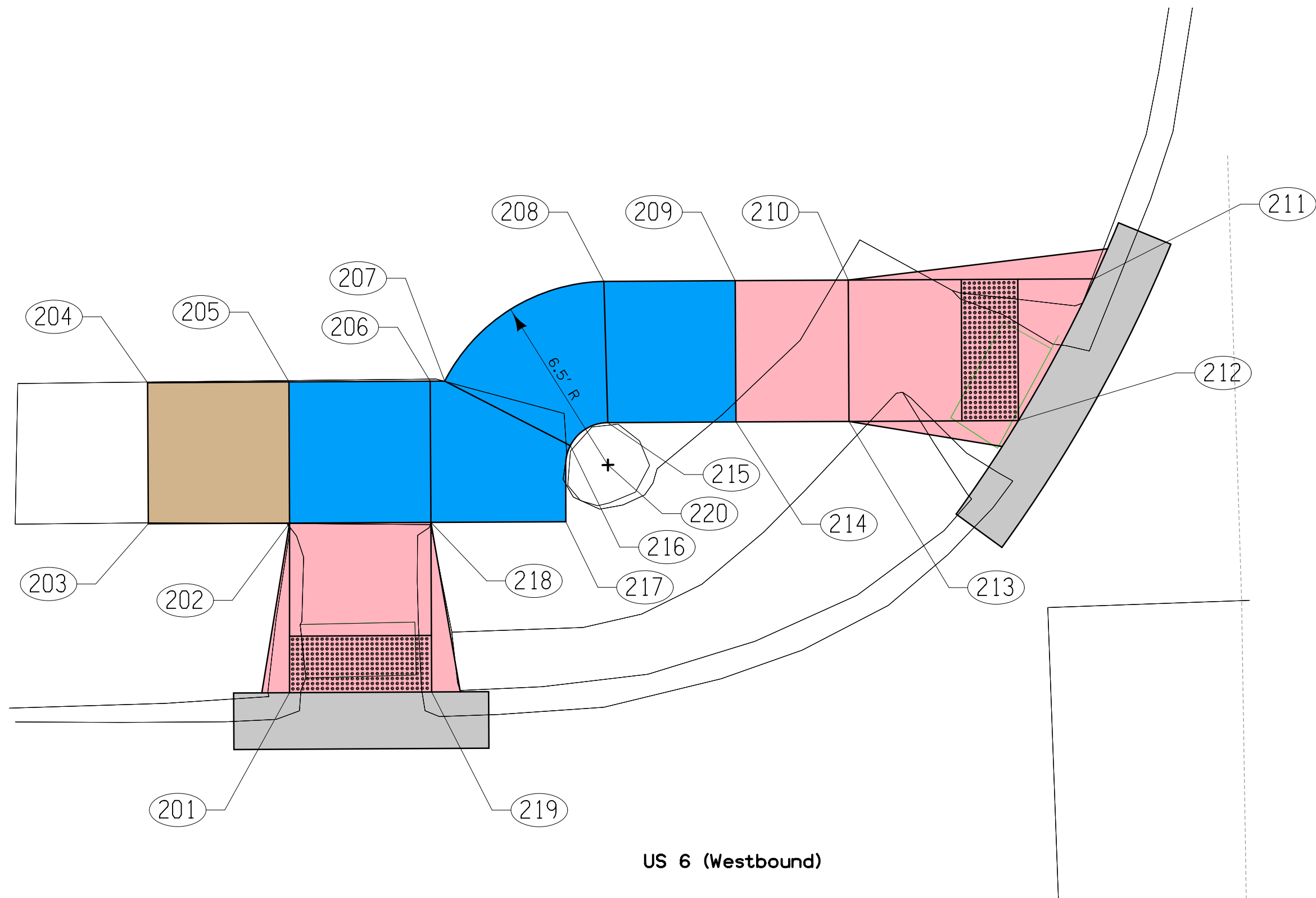


Brady Street

US 6 (Westbound)

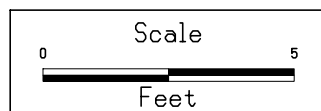


US 6 and Brady Street  
NW Corner  
Sidewalk Layout



US 6 (Westbound)

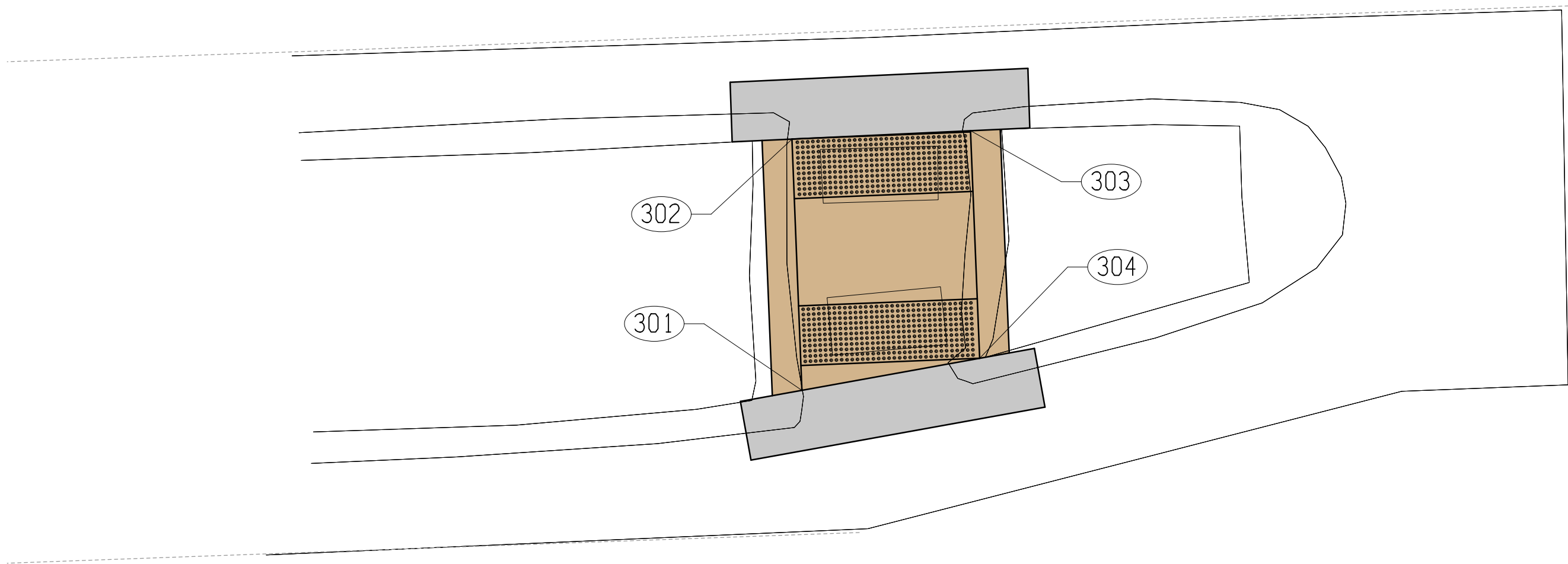
Eastern Avenue



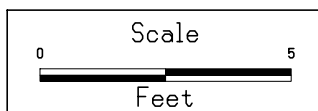
US 6 and Eastern Avenue  
NW Corner  
Sidewalk Layout



US 6 (Westbound)



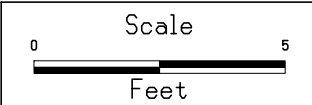
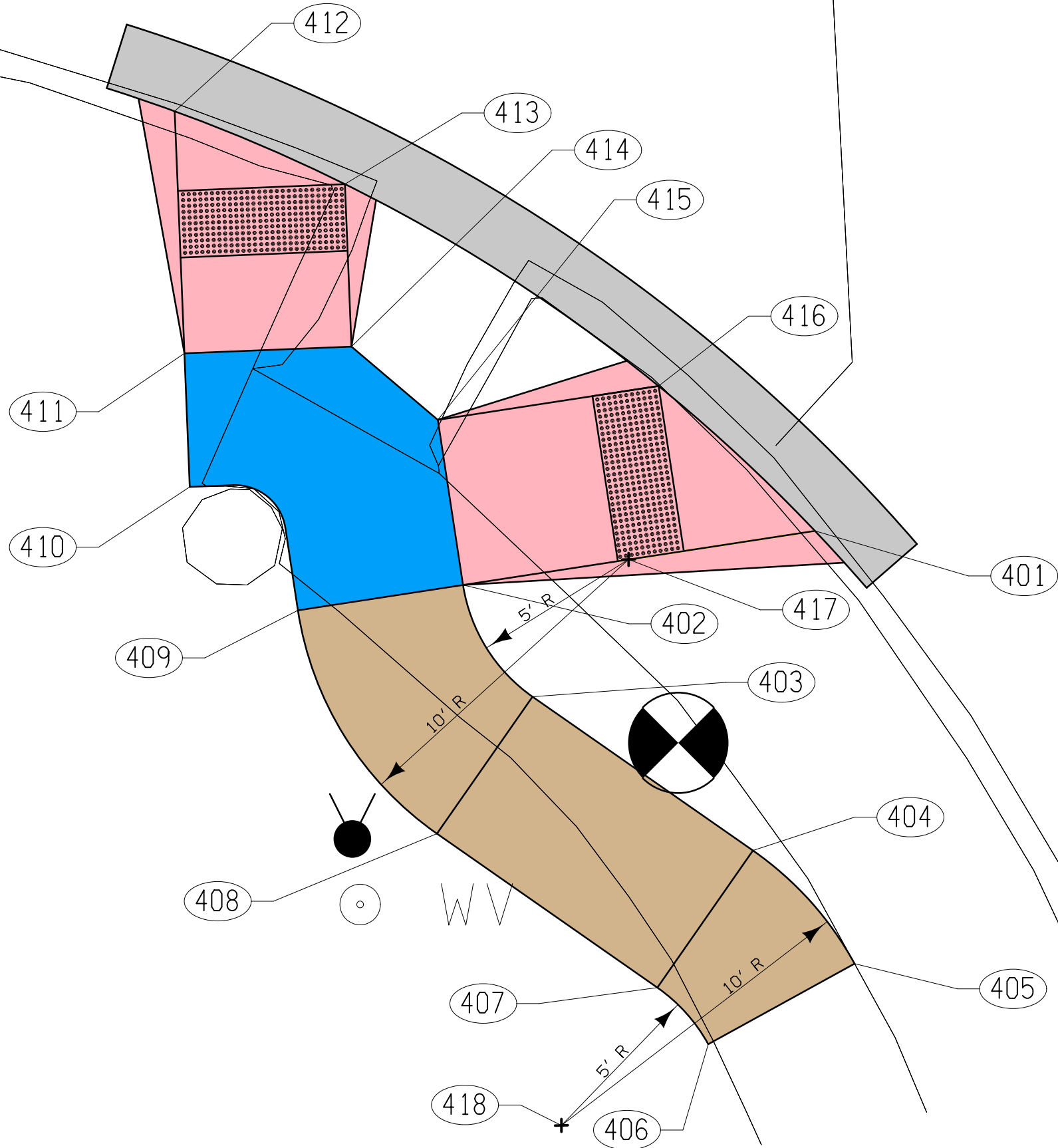
US 6 (Eastbound)



US 6 and Eastern Avenue  
West Median  
Sidewalk Layout

US 6 (Eastbound)

Eastern Avenue

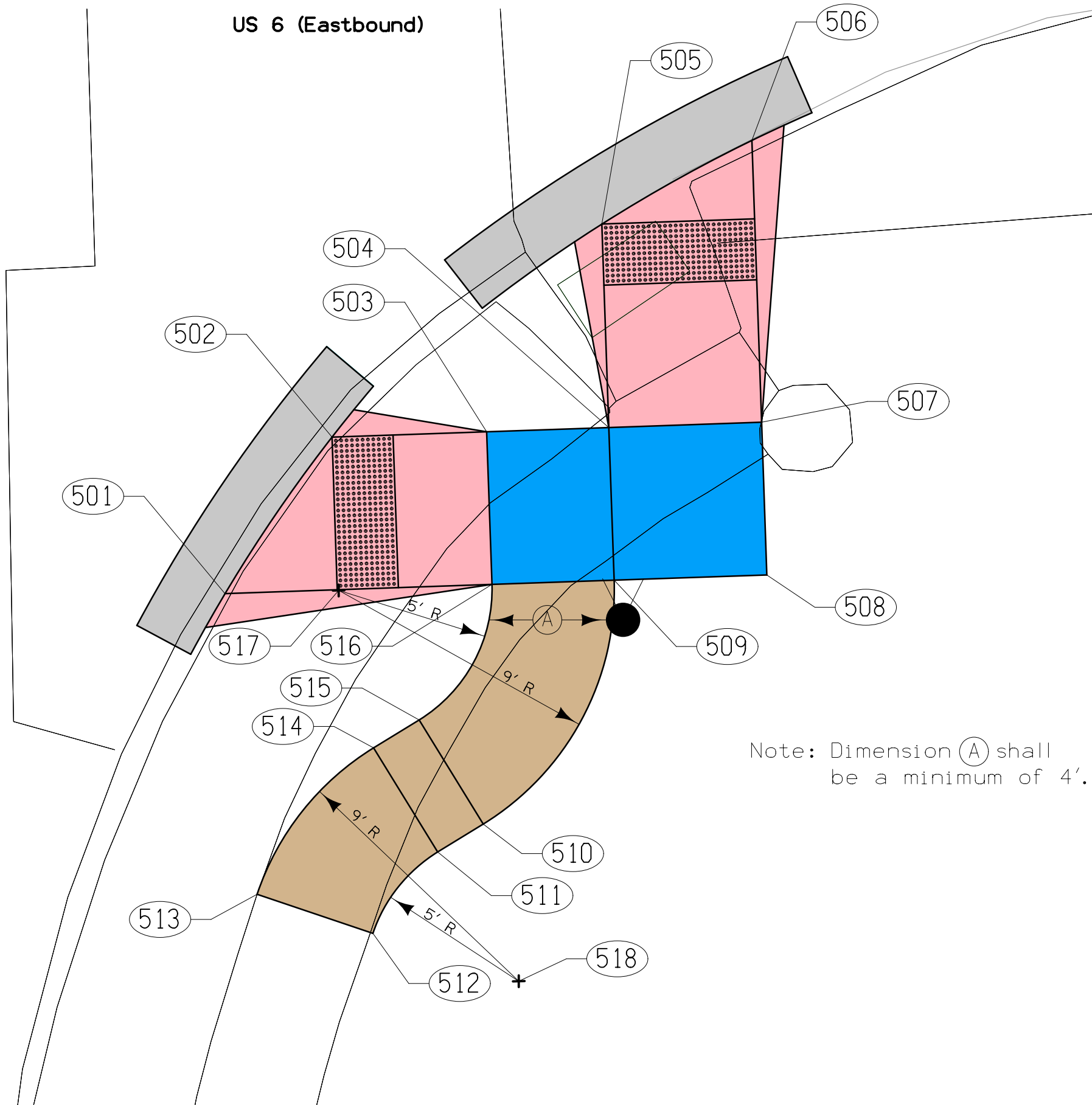


US 6 and Eastern Avenue  
SW Corner  
Sidewalk Layout

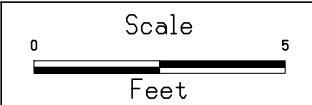


US 6 (Eastbound)

Eastern Avenue



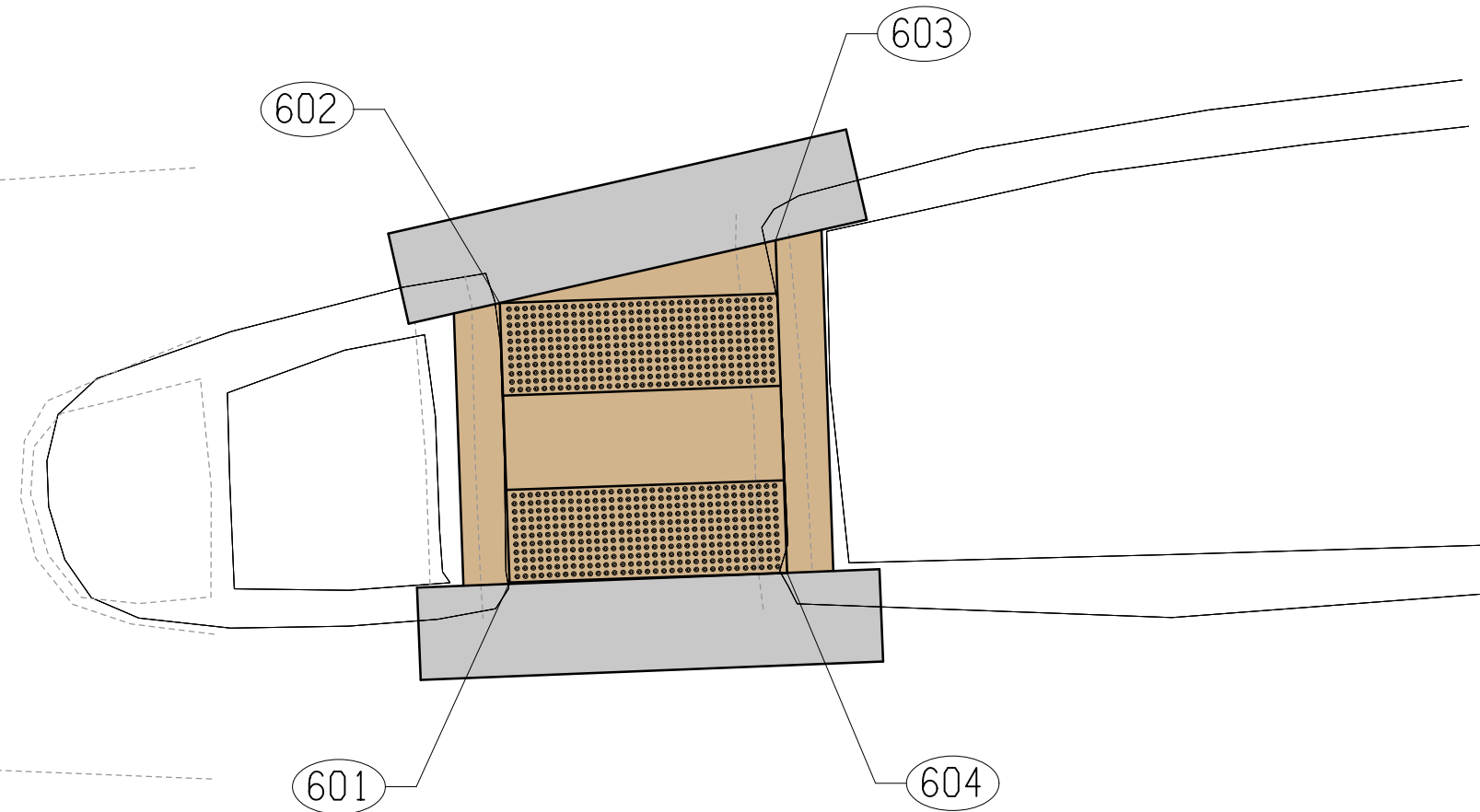
Note: Dimension (A) shall be a minimum of 4'.



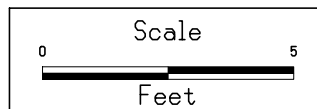
US 6 and Eastern Avenue  
SE Corner  
Sidewalk Layout



US 6 (Westbound)



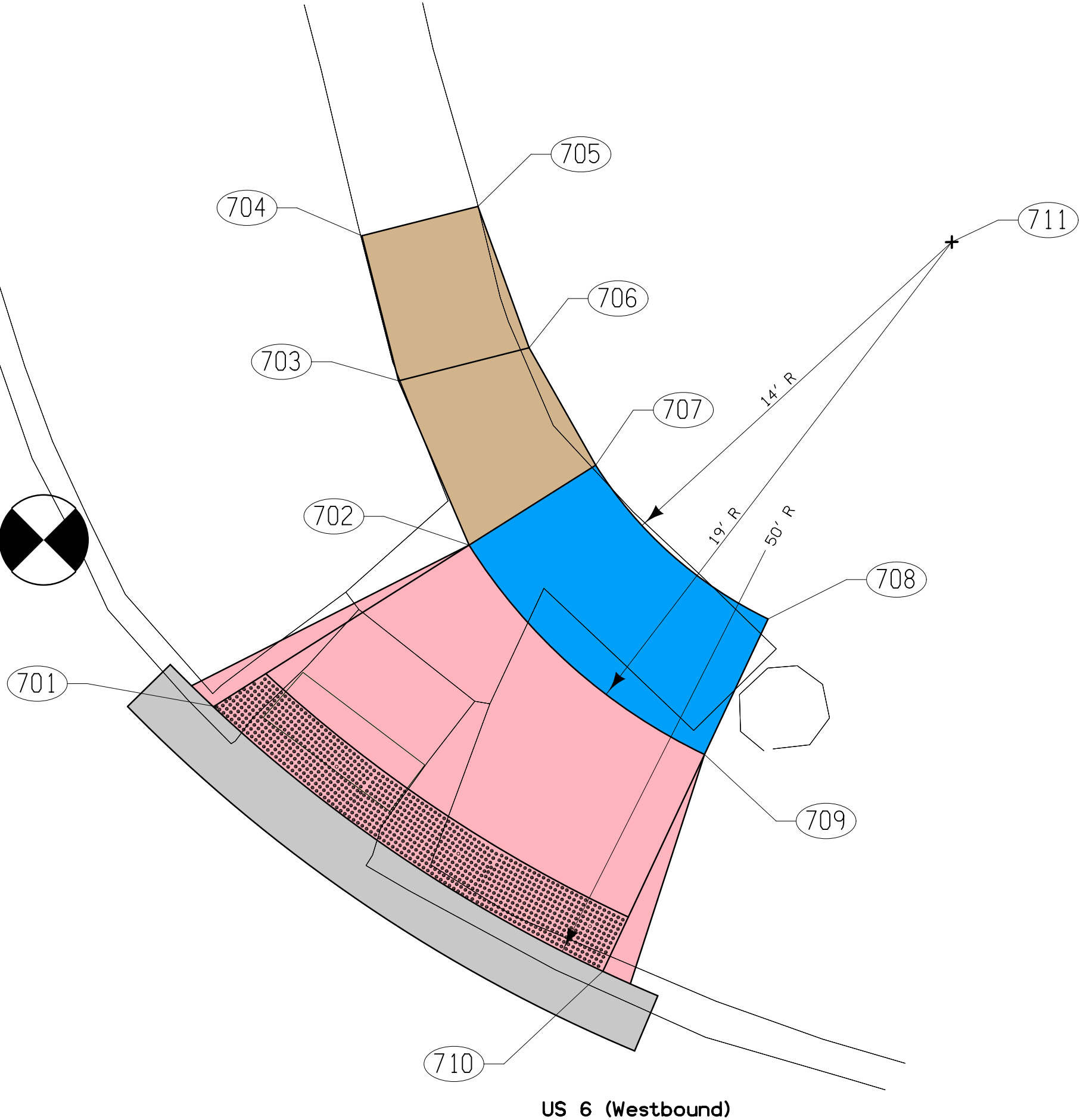
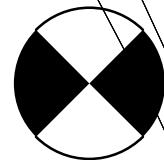
US 6 (Eastbound)



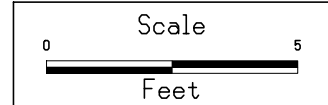
US 6 and Eastern Avenue  
East Median  
Sidewalk Layout



Eastern Avenue

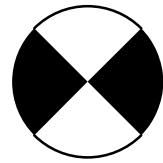


US 6 (Westbound)



US 6 and Eastern Avenue  
NE Corner  
Sidewalk Layout

Jersey Ridge Road



804 805

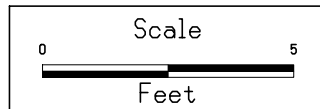
803 806

802 807

35' R

801

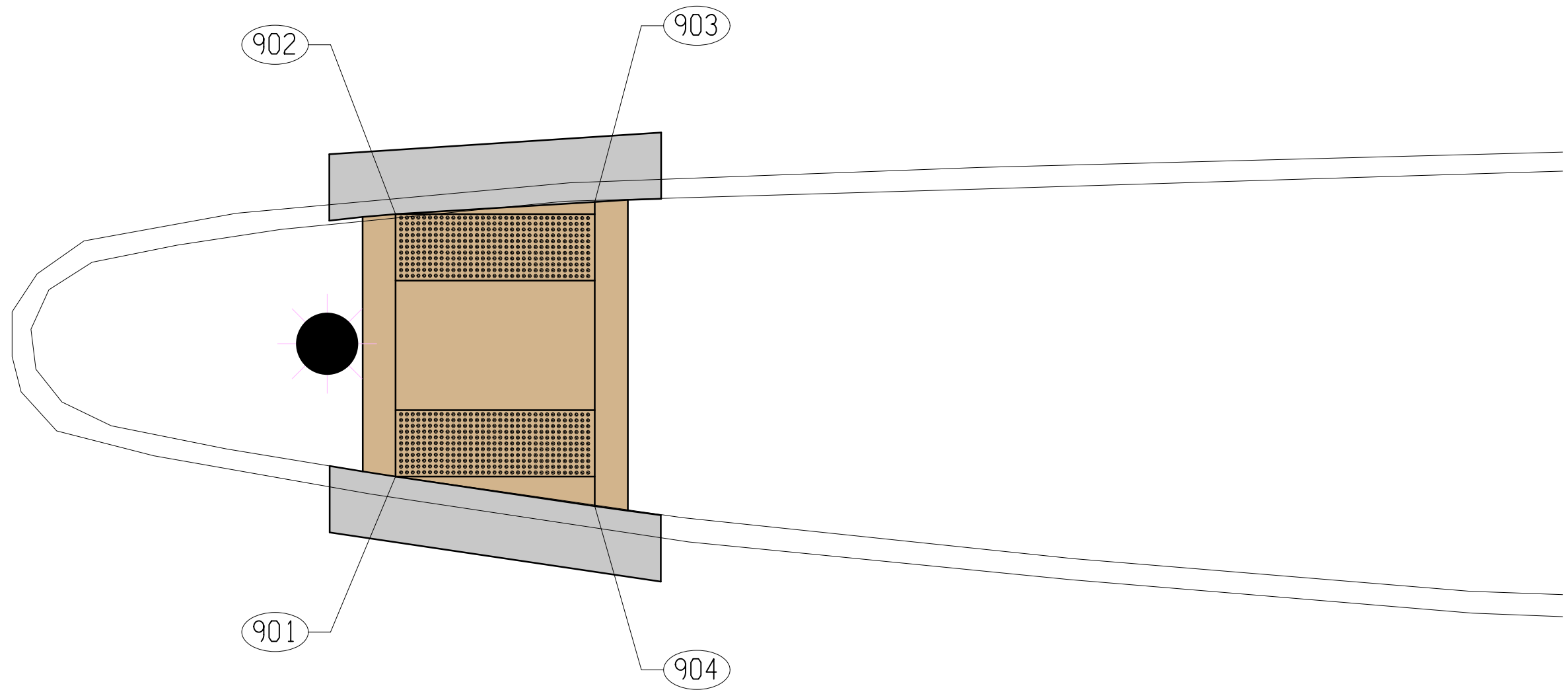
808



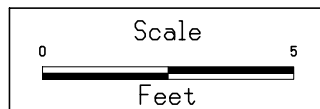
US 6 and Jersey Ridge Road  
NE Corner  
Sidewalk Layout



US 6 (Westbound)



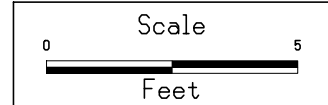
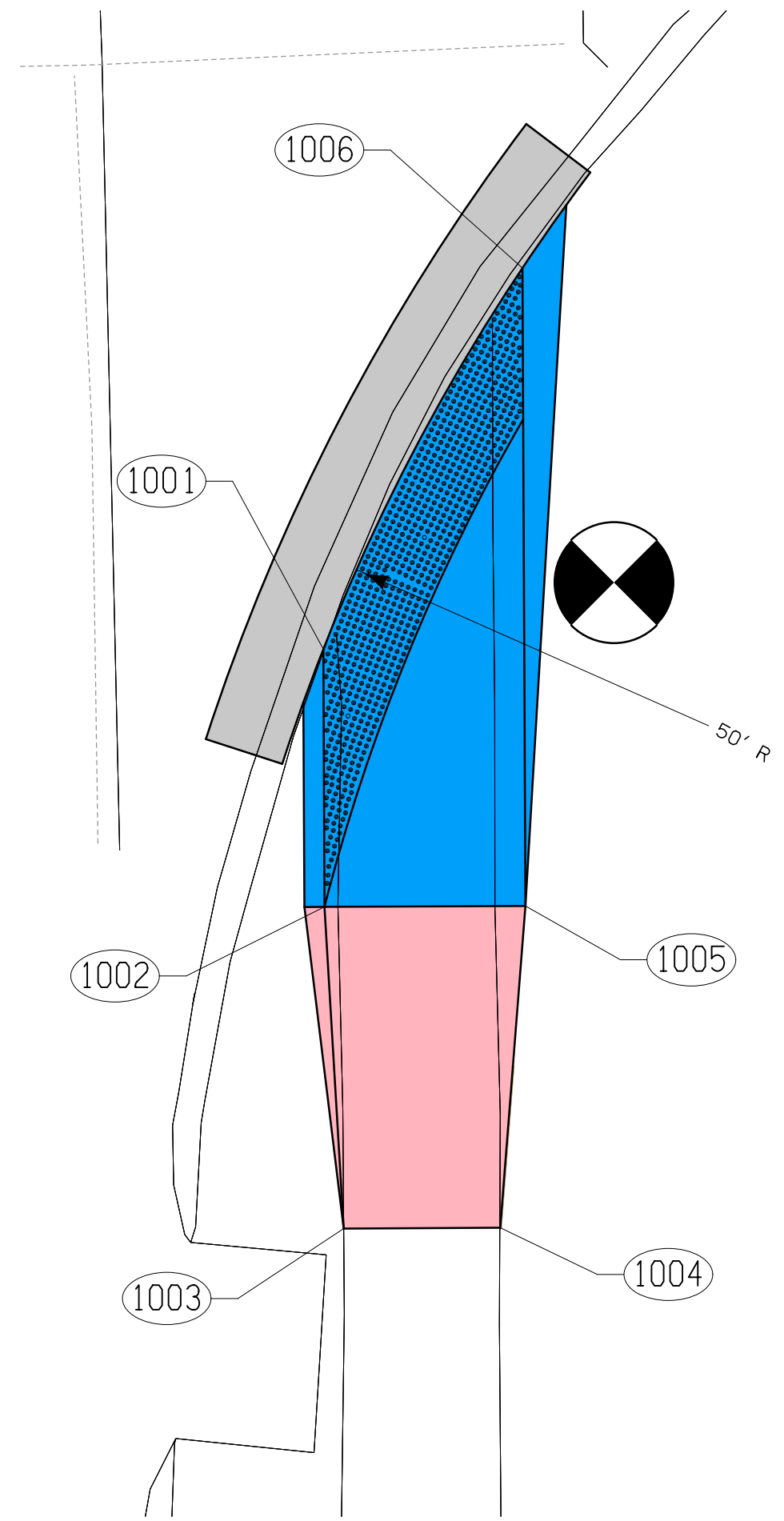
US 6 (Eastbound)



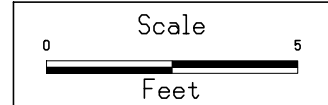
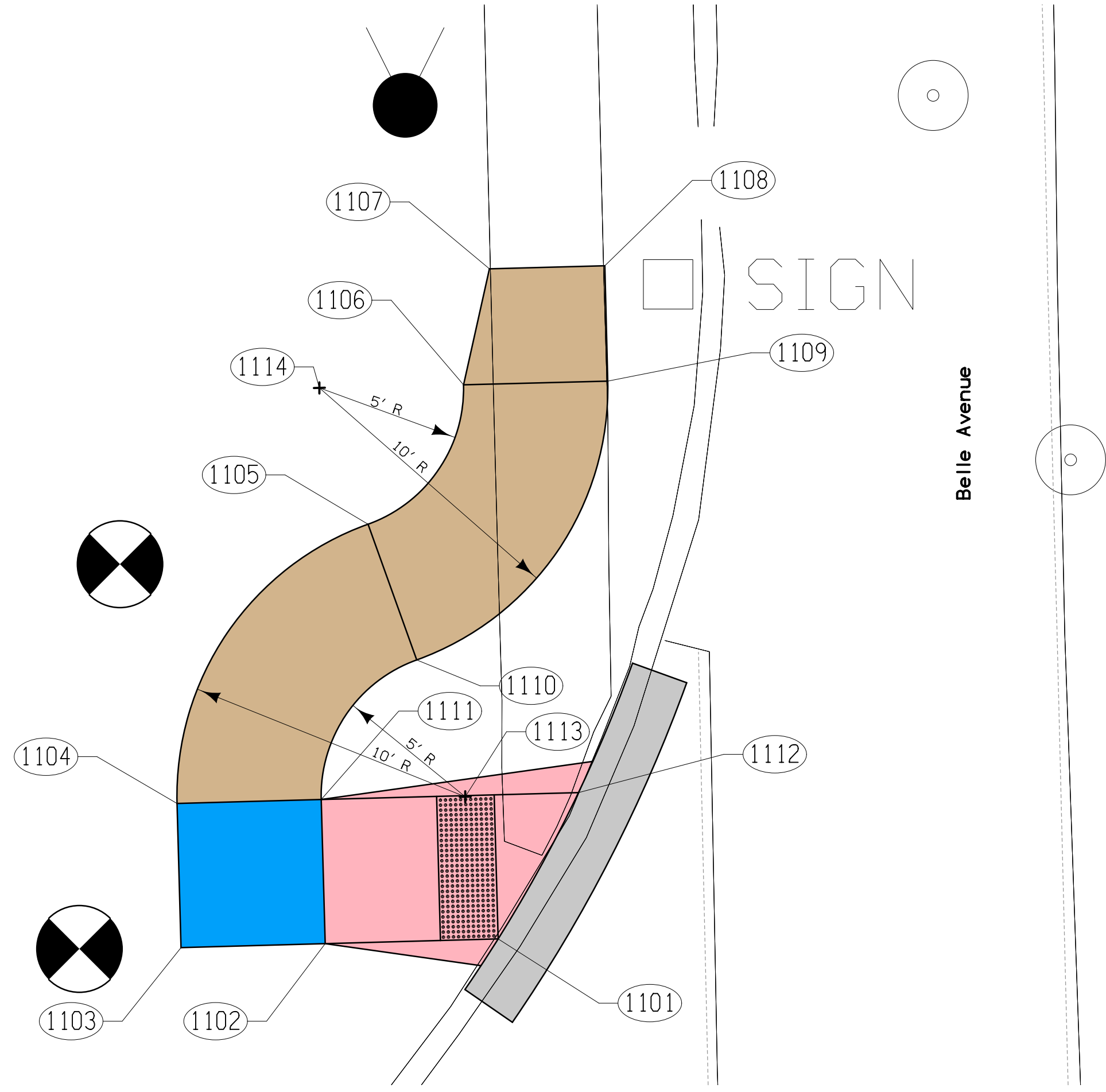
US 6 and Jersey Ridge Road  
East Median  
Sidewalk Layout



Jersey Ridge Road



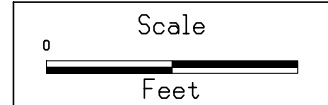
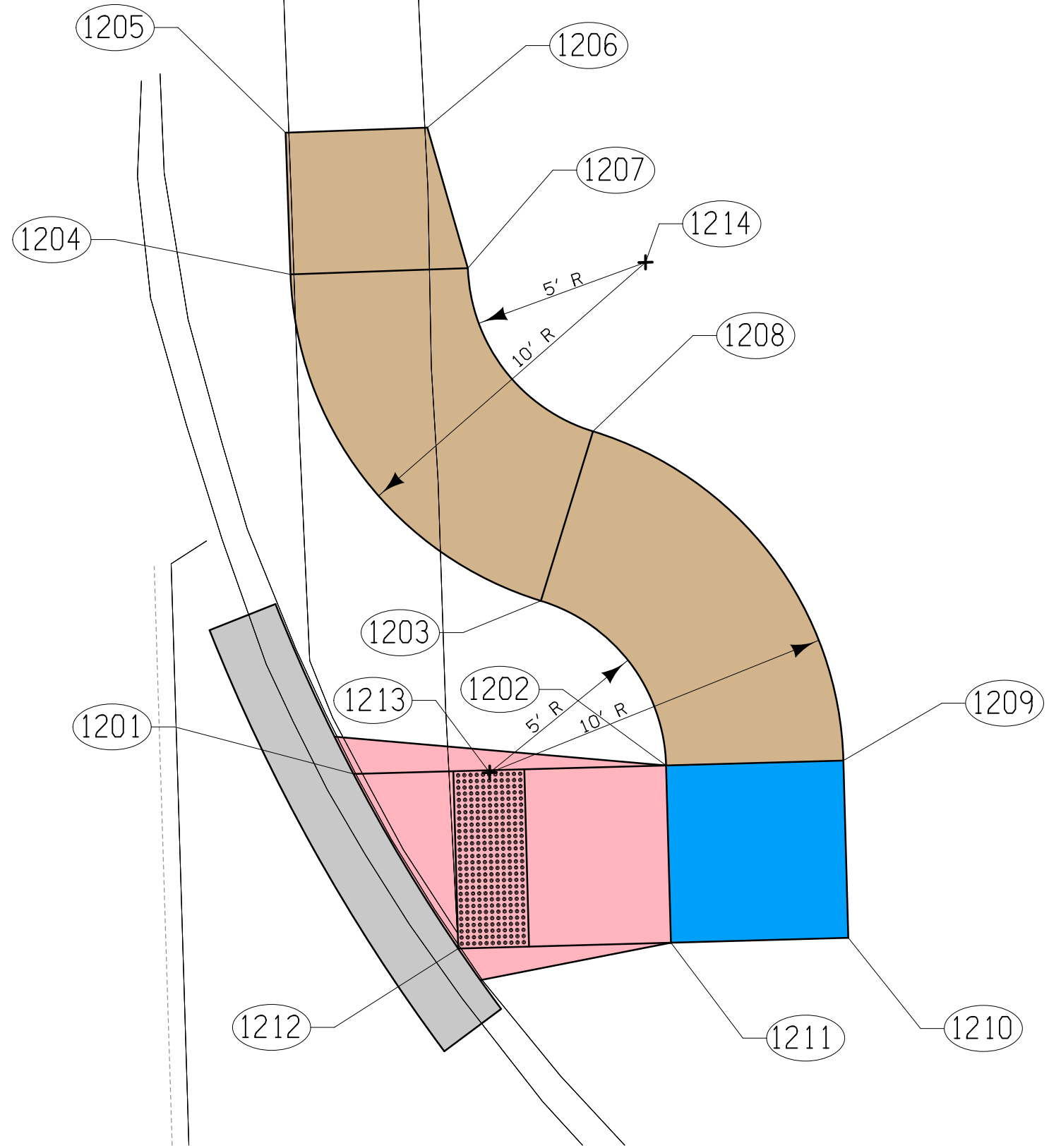
US 6 and Jersey Ridge Road  
SE Corner  
Sidewalk Layout



US 6 and Belle Avenue  
NW Corner  
Sidewalk Layout



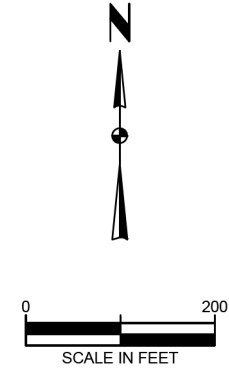
Belle Avenue



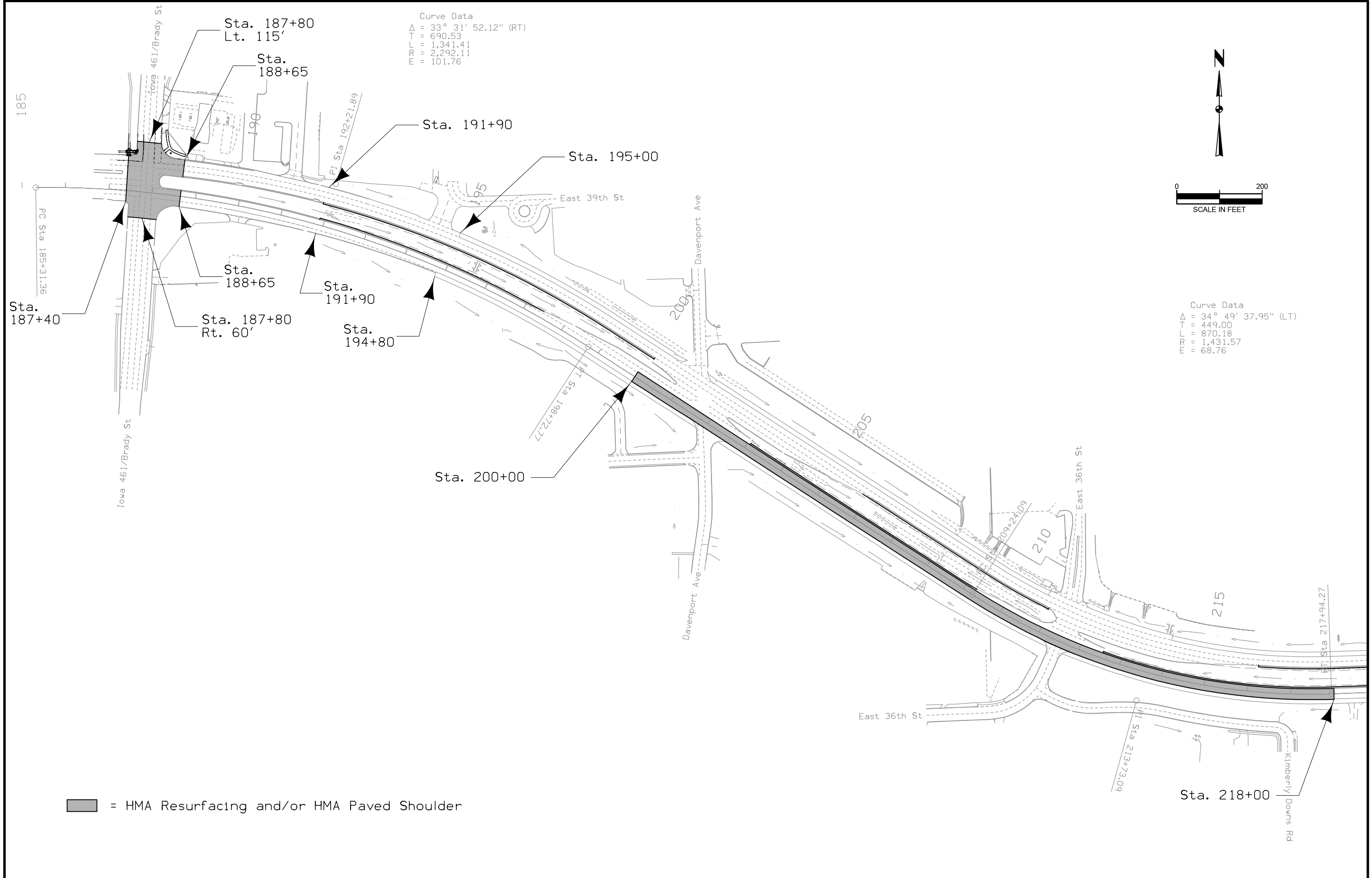
US 6 and Belle Avenue  
NE Corner  
Sidewalk Layout



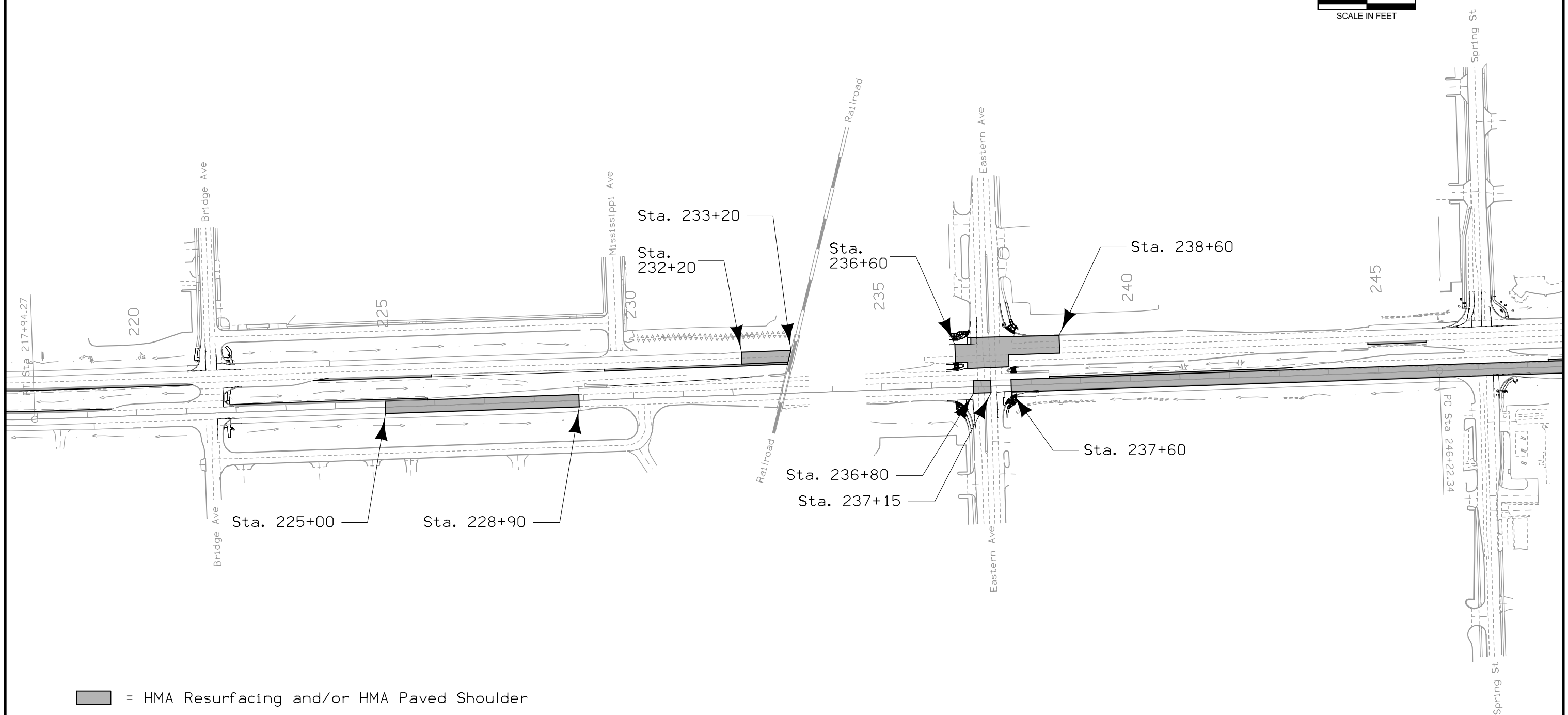
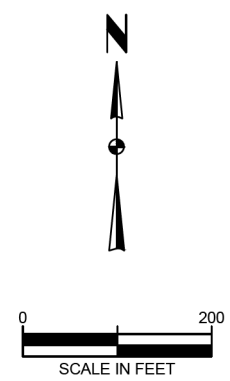
Curve Data  
 $\Delta = 33^\circ 31' 52.12''$  (RT)  
 T = 690.53  
 L = 1,341.41  
 R = 2,292.11  
 E = 101.76



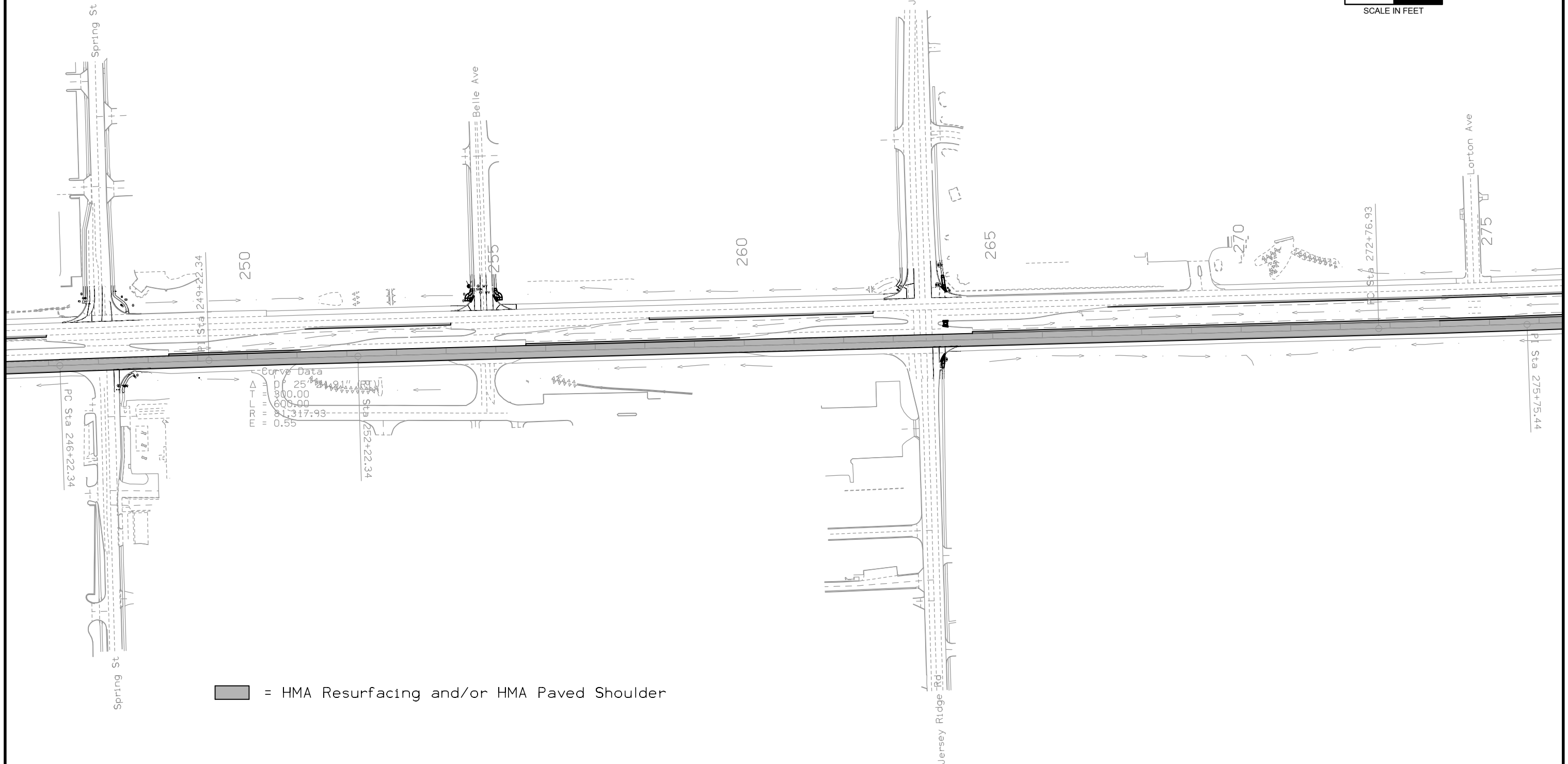
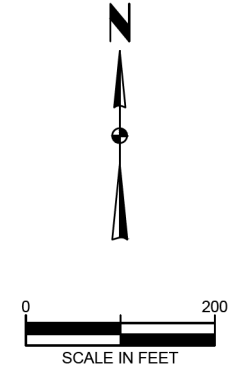
Curve Data  
 $\Delta = 34^\circ 49' 37.95''$  (LT)  
 T = 449.00  
 L = 870.18  
 R = 1,431.57  
 E = 68.76



= HMA Resurfacing and/or HMA Paved Shoulder



█ = HMA Resurfacing and/or HMA Paved Shoulder

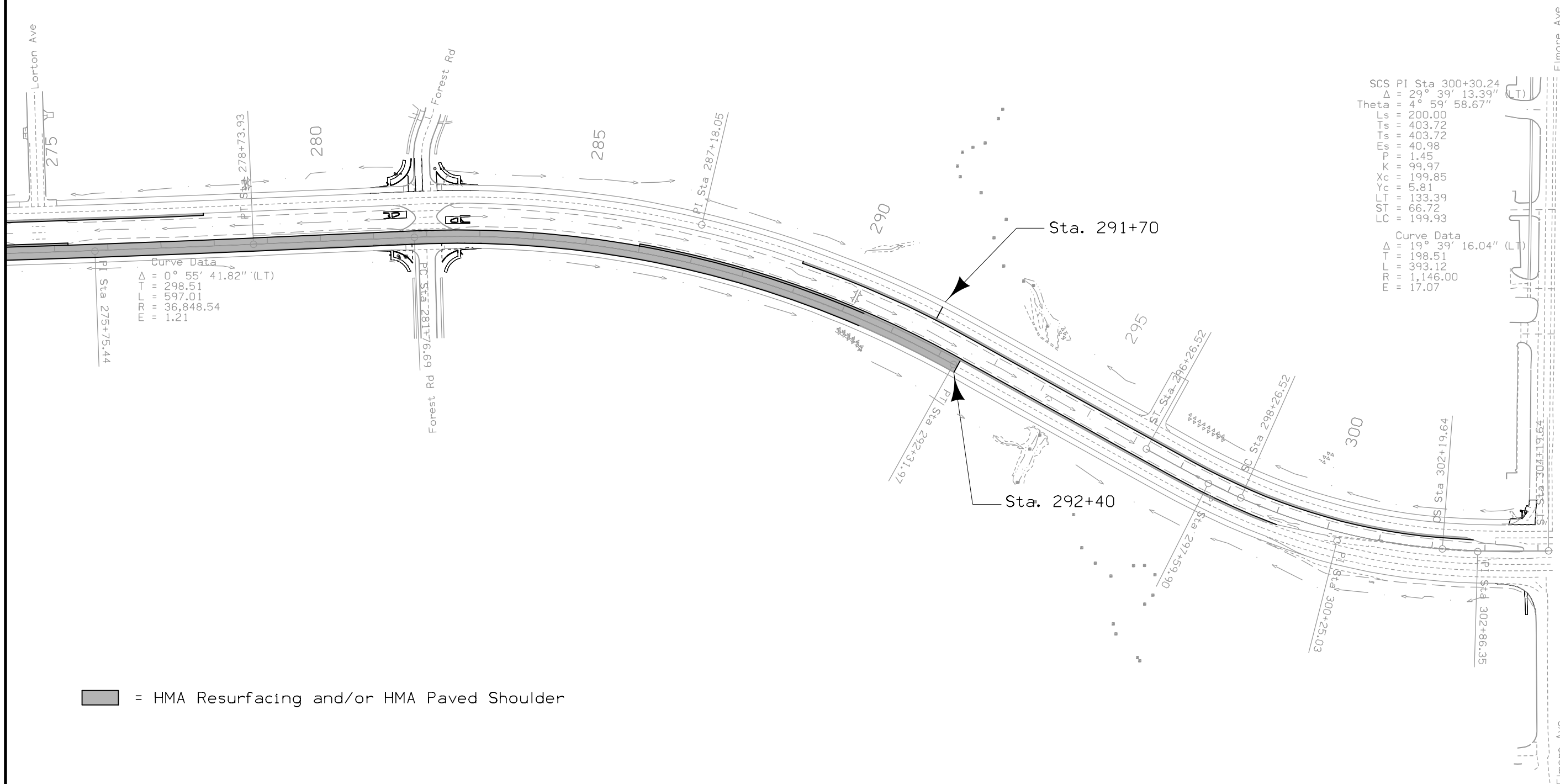
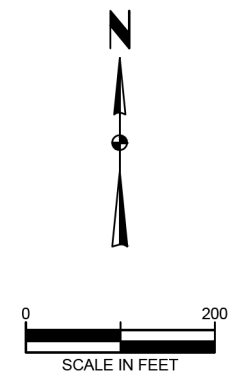


Curve Data

PC	246+22.34
PI	249+22.34
STB	252+22.34
FC	272+76.93
PT	275+75.44
Length	87.317-93
Rate	0.55

█ = HMA Resurfacing and/or HMA Paved Shoulder

Curve Data  
 $\Delta = 31^\circ 31' 17.03''$  (RT)  
 $T = 541.36$   
 $L = 1,055.28$   
 $PR = 1,918.16$   
 $E = 74.93$



Curve Data  
 $\Delta = 0^\circ 55' 41.82''$  (LT)  
 $T = 298.51$   
 $L = 597.01$   
 $PR = 36,848.54$   
 $E = 1.21$

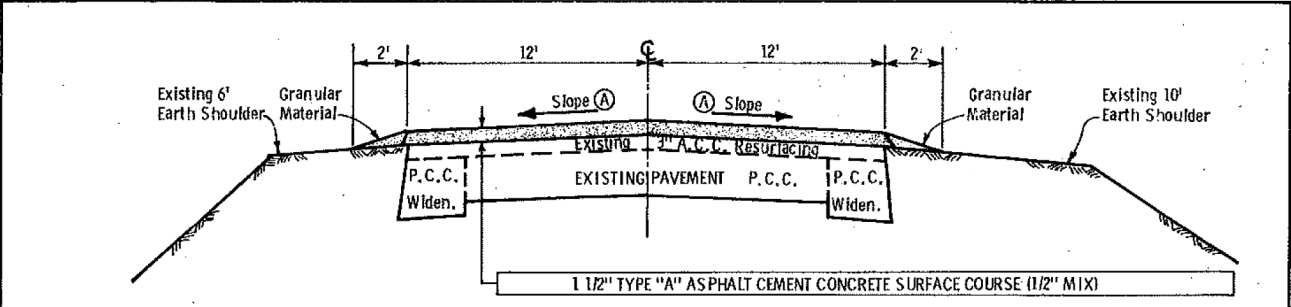
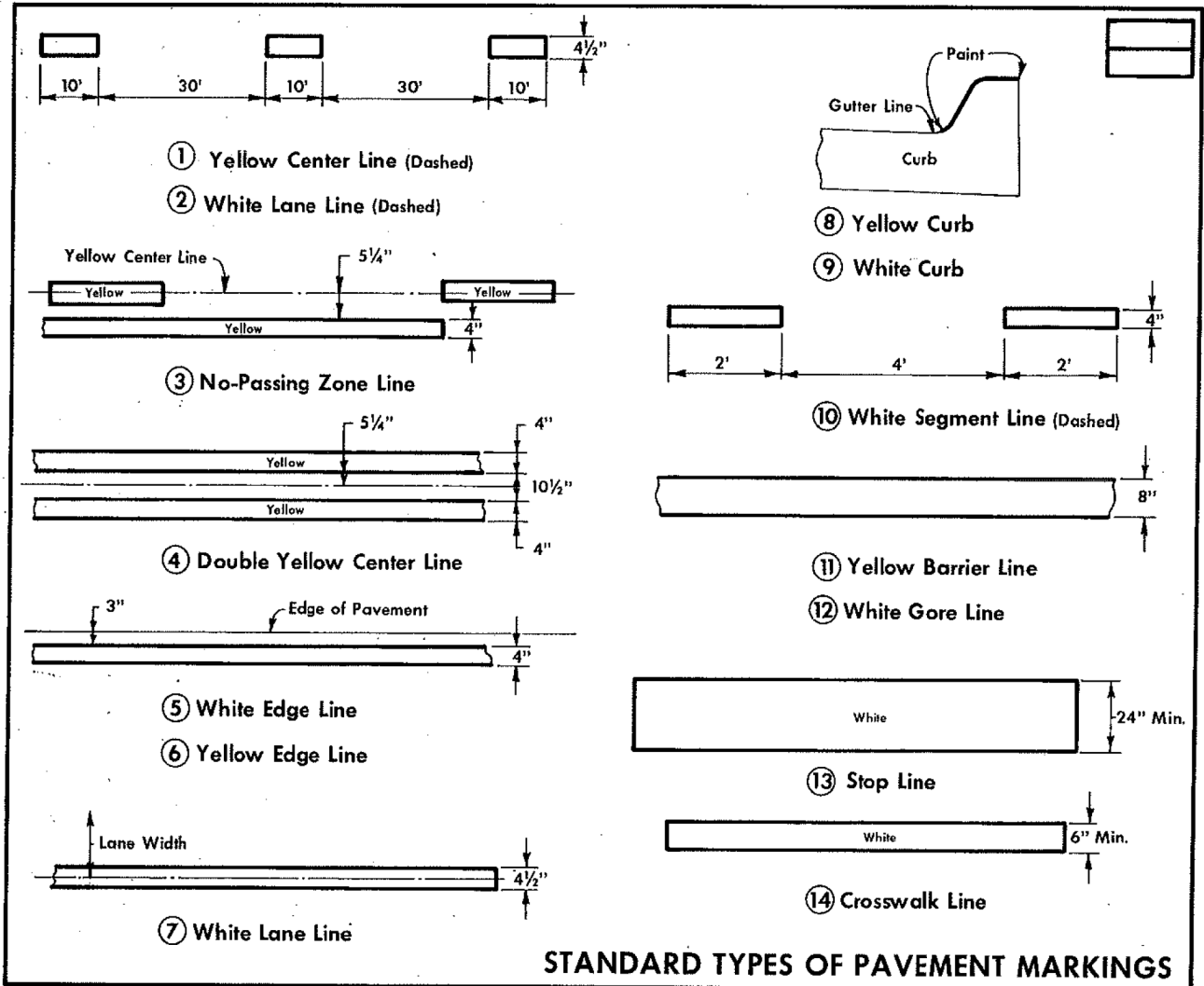
SCS PI Sta 300+30.24  
 $\Delta = 29^\circ 39' 13.39''$  (LT)  
 $\text{Theta} = 4^\circ 59' 58.67''$   
 $L_s = 200.00$   
 $T_s = 403.72$   
 $T_e = 403.72$   
 $E_s = 40.98$   
 $P = 1.45$   
 $K = 99.97$   
 $X_c = 199.85$   
 $Y_c = 5.81$   
 $LT = 133.39$   
 $ST = 66.72$   
 $LC = 199.93$

Curve Data  
 $\Delta = 19^\circ 39' 16.04''$  (LT)  
 $T = 198.51$   
 $L = 393.12$   
 $R = 1,146.00$   
 $E = 17.07$

█ = HMA Resurfacing and/or HMA Paved Shoulder

### TABULATION OF PAVEMENT MARKINGS

① Yellow Center Line (Dashed)		④ Double Yellow Center Line		⑦ White Lane Line		⑩ White Segment Line (Dashed)		⑬ Stop Line										
② White Lane Line (Dashed)		⑤ White Edge Line		⑧ Yellow Curb		⑪ Yellow Barrier Line		⑭ Crosswalk Line										
③ No-Passing Zone Line		⑥ Yellow Edge Line		⑨ White Curb		⑫ White Gore Line		⑮ Railroad Legends										
LOCATION		LENGTH (In Stations)													No.	REMARKS		
Road Ident.	Station To Station	Side		①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫		⑬	⑭
U.S. 6	200+00 - 292+39.4 EBL	X	X			20.00										1.20	2	Requires Permanent Preformed Polymer Pavement Marking. Refer to Supplemental Specification 868.



**DESIGN QUANTITIES (PER STATION)**

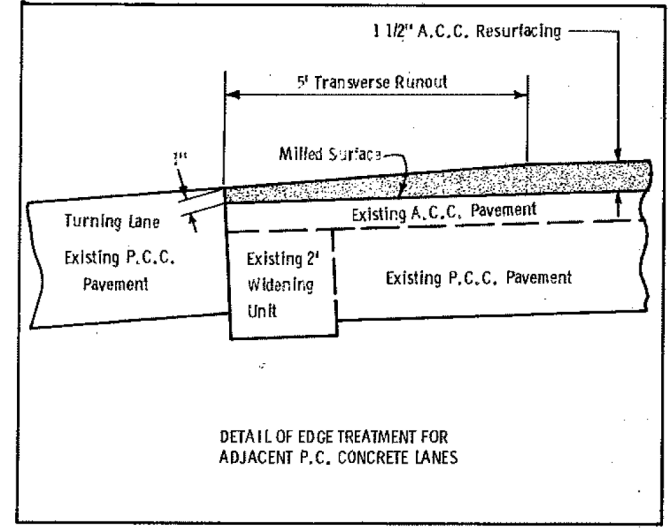
ITEM	RATE	VOLUME
Tack Coat	0.05 Gal./Sq. Yd.	13.47 Gal. ①
Surface Course	140 Lbs./Cu. Ft.	21.11 Tons
Granular Material	-----	3.00 Tons ②

① Estimated For 1 Application.  
② Estimated For 2 Shoulders.

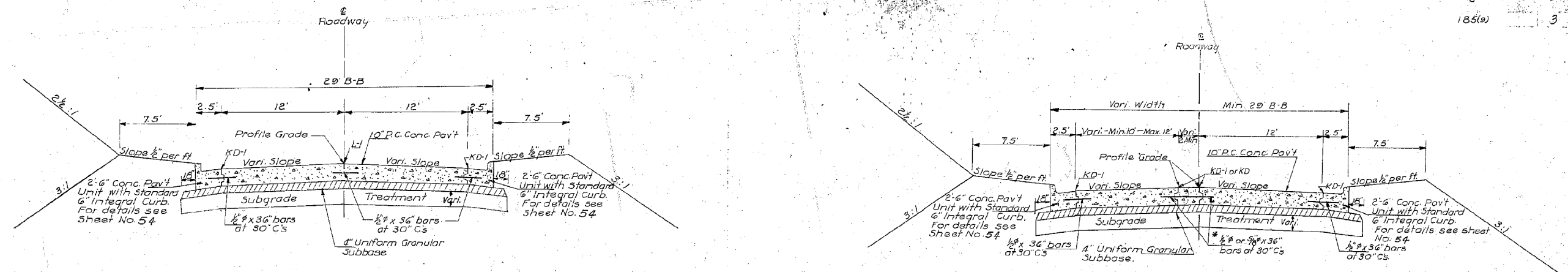
ROAD IDENT.	STATION TO STATION	
U.S. No. 6	200+00	227+75
U.S. No. 6	225+45	232+37.31
U.S. No. 6	234+39.5	292+39.40

① Finished slope shall match existing pavement except that the maximum allowable slope is 3.0% and minimum allowable slope is 2.0%. Section may be modified as directed by the engineer through areas of special shaping.

See milling Detail For Areas Adjacent to Left and Right Turn Lanes.

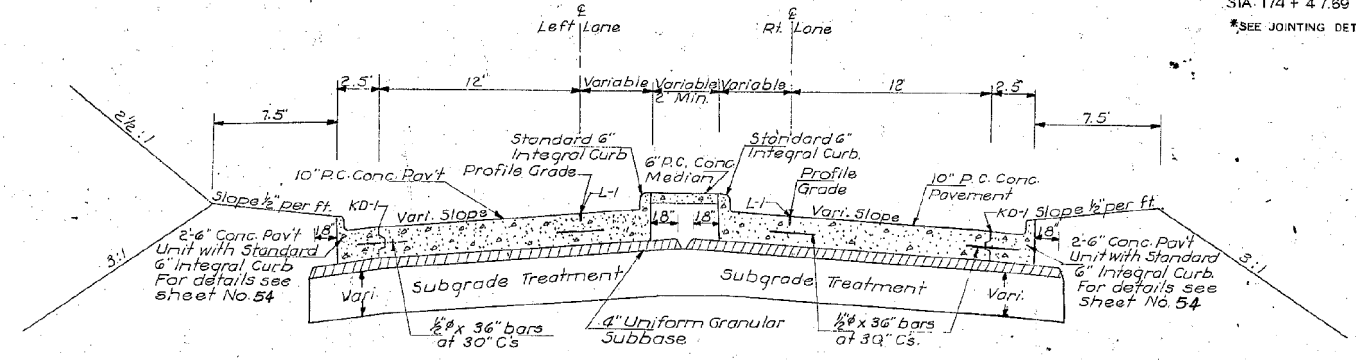


**FOR REFERENCE ONLY  
NOT FOR CONSTRUCTION**

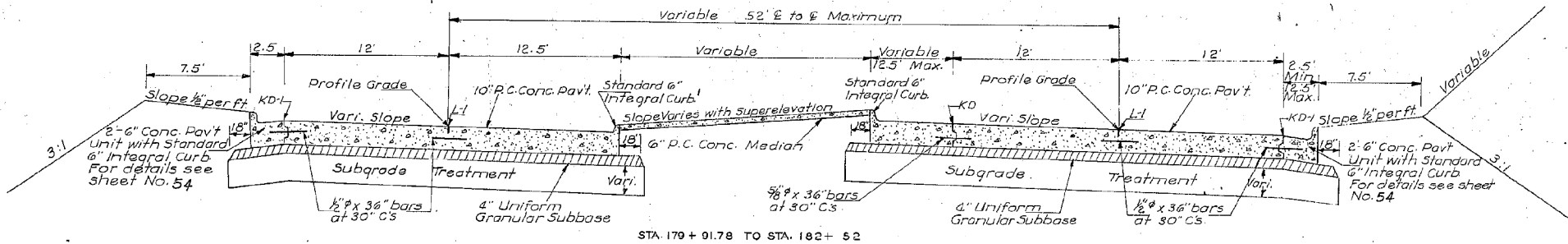


STA 174 + 00 TO STA 174 + 47.69

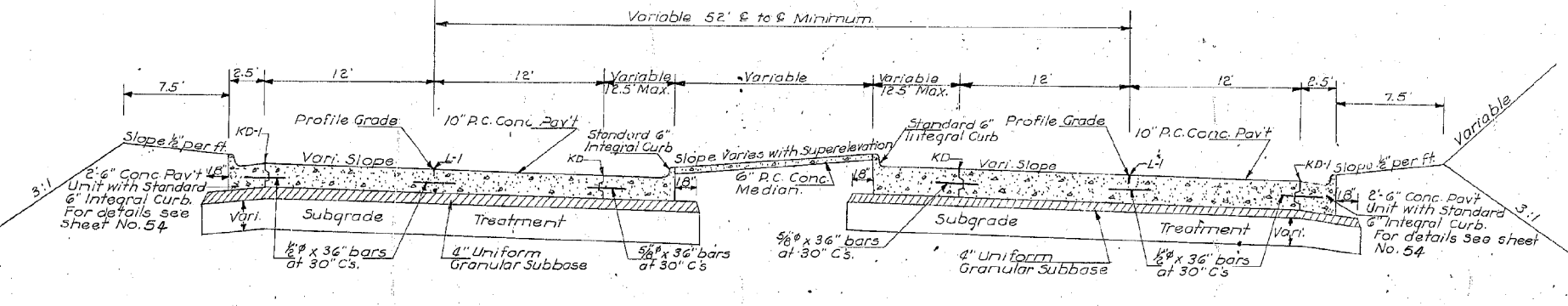
STA 174 + 47.89 TO STA 176 + 61.28  
\*SEE JOINTING DETAIL-SHEET NO 54



STA 176 + 61.28 TO STA 179 + 91.78



STA 179 + 91.78 TO STA 182 + 52



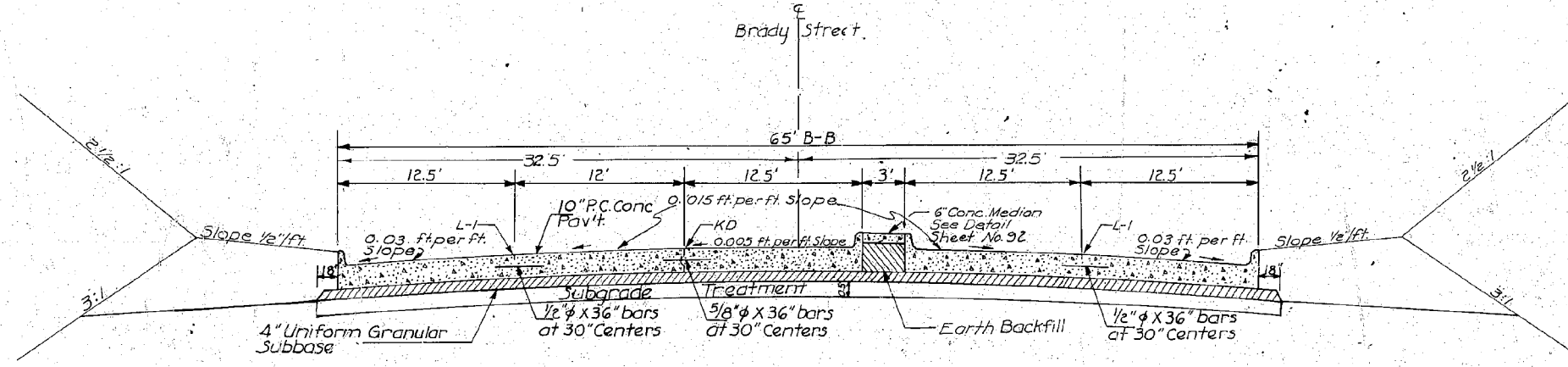
STA 182 + 52 TO STA 187 + 62

**FOR REFERENCE ONLY  
NOT FOR CONSTRUCTION**

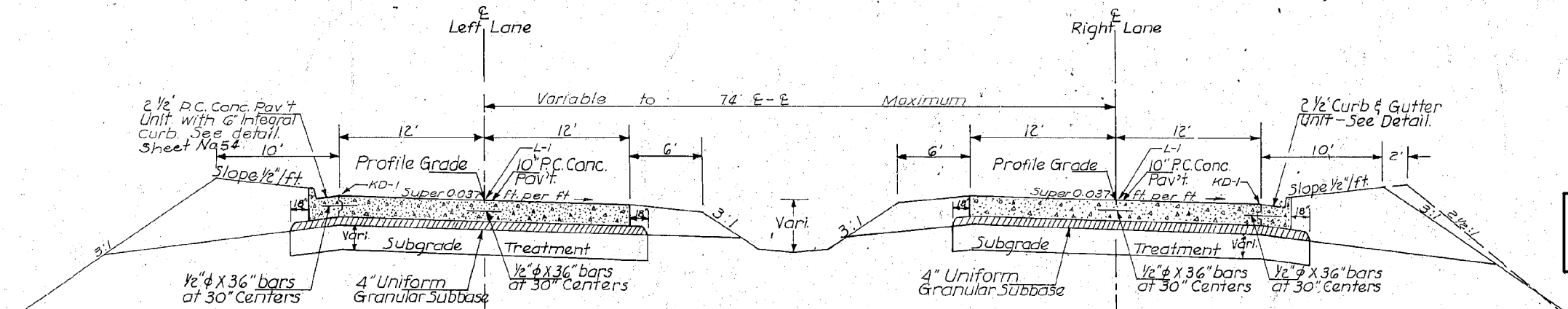
TYPICAL SECTIONS

TYPICAL SECTIONS

NO.	DATE	BY	REVISION
1	85(9)		
TOTAL SHEETS			41



BRADY STREET  
STA. 178 + 37.36 - STA. 181 + 37.36  
STA. 182 + 38.51 - STA. 184 + 48.51



STA. 187 + 62 - STA. 198 + 72.77\*

\* Sta. 185 + 64.98 - 198 + 72.77 Transition 52' E-E to 74' E-E.

\* Sta. 191 + 00 - 198 + 72.77 (Left Lane) See Auxiliary typical Section No. 1 Sheet No. 6

\* Sta. 194 + 40 - 198 + 72.77 (Right Lane) See Auxiliary typical Section No. 2 Sheet No. 6

Note: See listings for location 2 1/2:1 foreslopes

FOR REFERENCE ONLY  
NOT FOR CONSTRUCTION

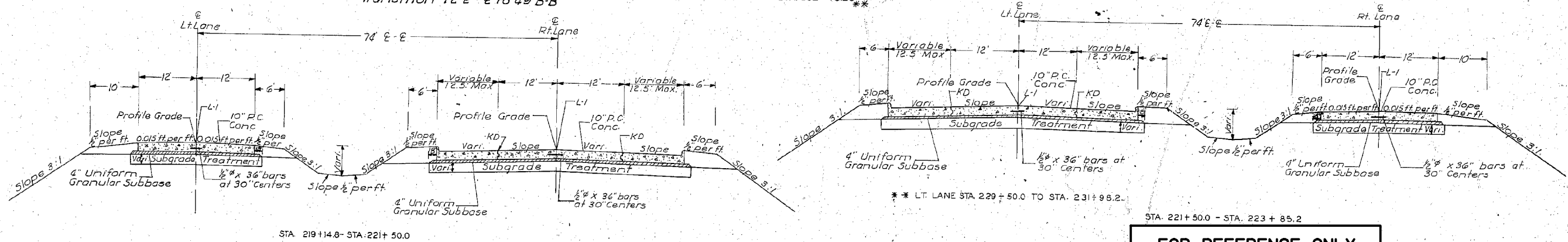
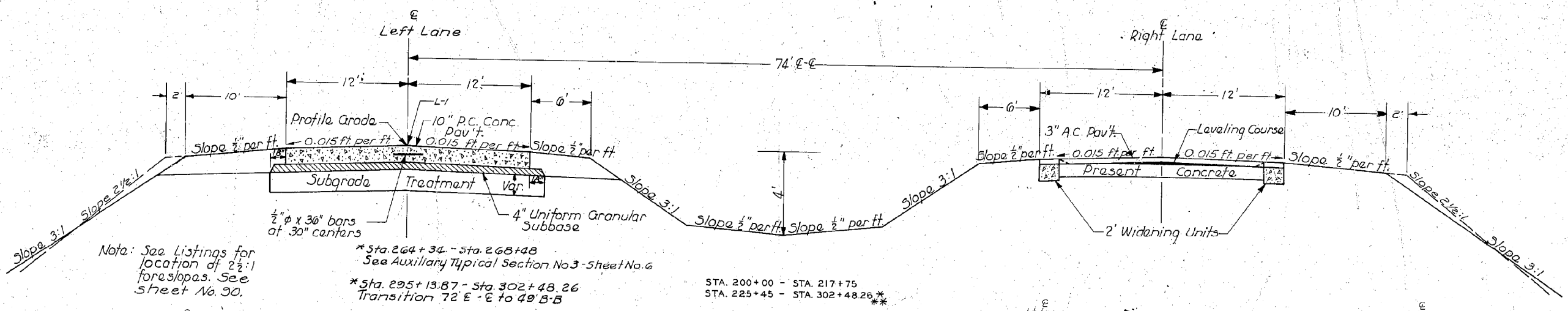
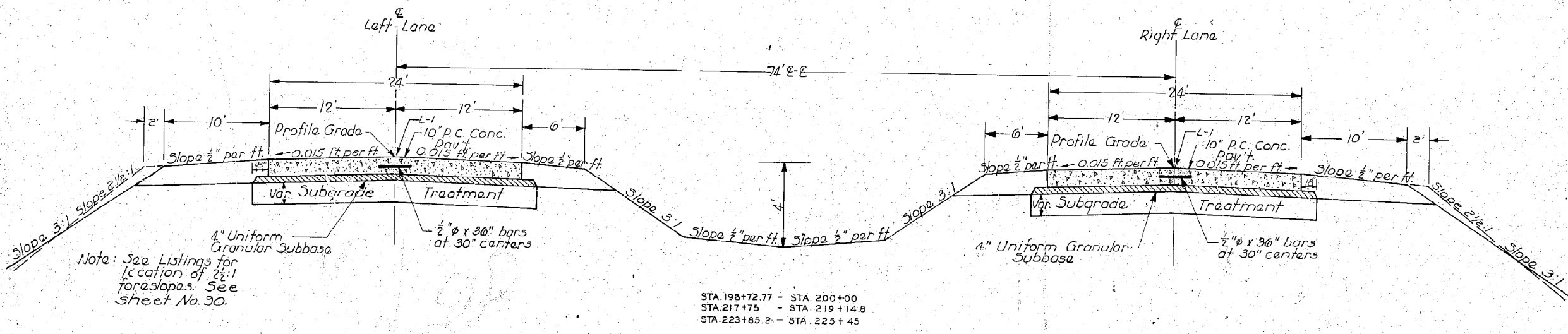
Revised Jan. 21, 1964  
Revised Jan. 20, 1964  
Revised Feb. 12, 1964.

SCALE:  
VERT. 1" = 2.5'  
HOR. 1" = 5'

Scott Co. U | Project No. 185(9) Sheet No. 4

TYPICAL SECTIONS

U	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
185(0)		5	248



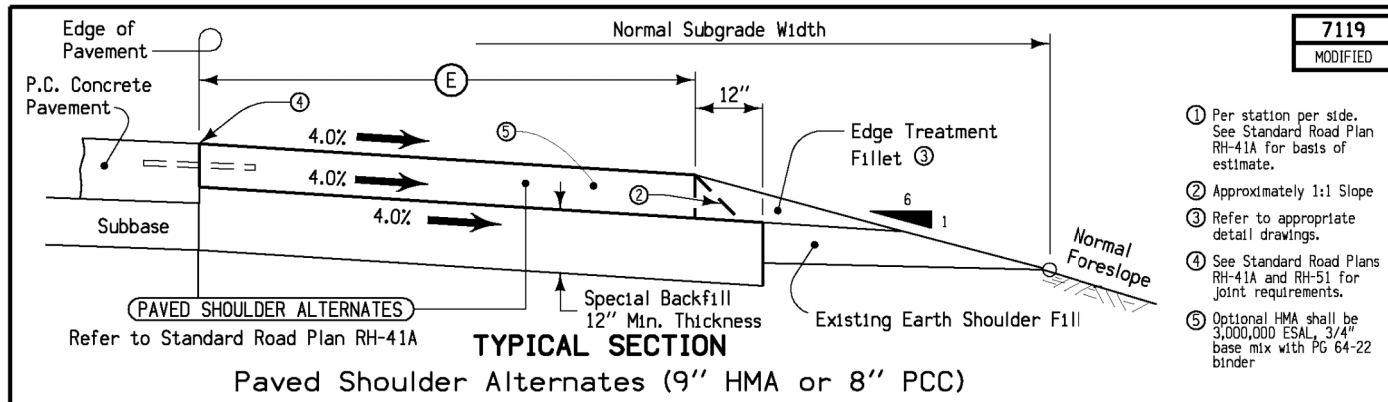
**FOR REFERENCE ONLY  
 NOT FOR CONSTRUCTION**

Revised Jan. 21, 1964.  
 Revised Jan. 21, 1964.  
 Revised Feb. 12, 1964.  
 Revised June 10, 1964.  
 Revised July 16, 1964.

Scott Co. 4 Proj. No. 185(0)

Sheet No. 5

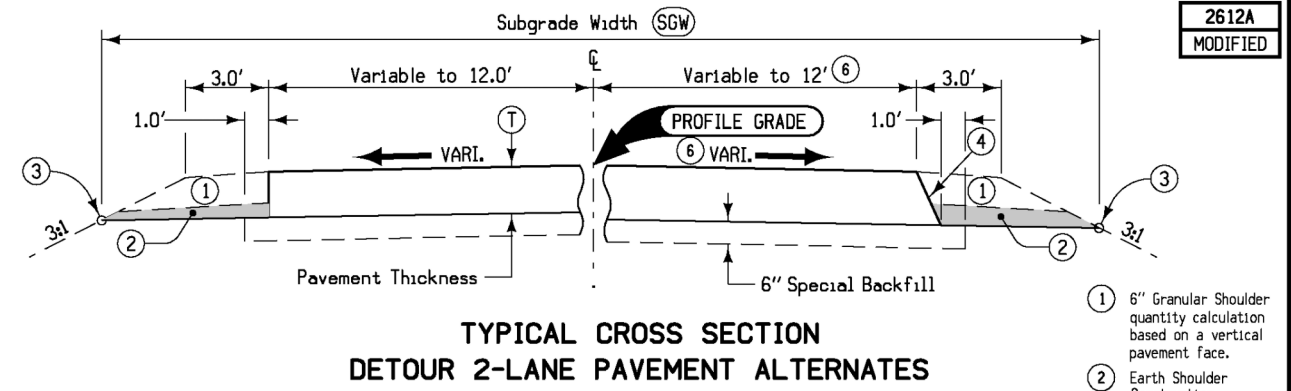




7119  
MODIFIED

- ① Per station per side. See Standard Road Plan RH-41A for basis of estimate.
- ② Approximately 1:1 Slope
- ③ Refer to appropriate detail drawings.
- ④ See Standard Road Plans RH-41A and RH-51 for joint requirements.
- ⑤ Optional HMA shall be 3,000,000 ESAL, 3/4" base mix with PG 64-22 binder

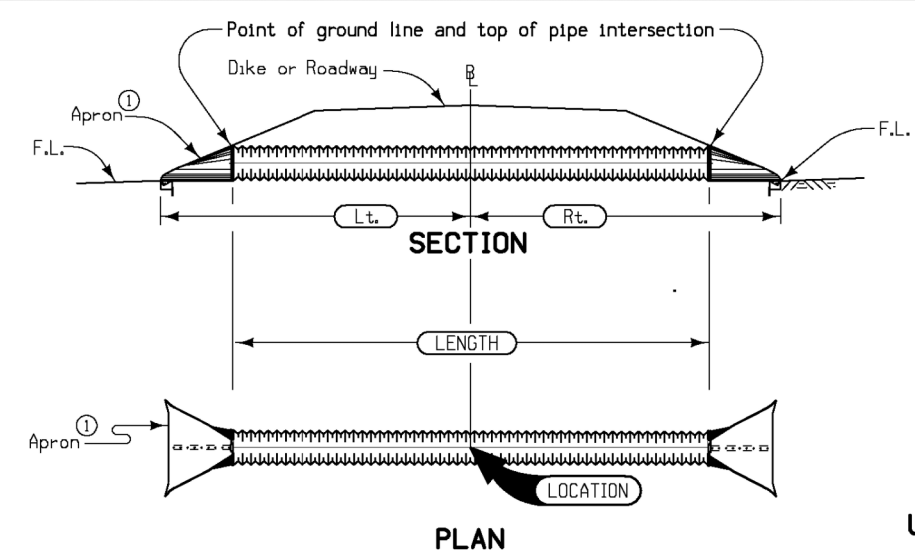
LOCATION		E	SIDE	QUANTITIES ①				SURFACE AREA Sq. Yds.	
ROAD IDENTIFICATION	STATION TO STATION			FEET	SPECIAL BACKFILL	EARTH SHOULDER FILL			HMA
			PCC Tons	HMA Tons	PCC Cu. Yds.	HMA Cu. Yds.			
US 6 WB	194+50	200+80	10	OUT	77	77	0	0	700.0
	201+50	211+00	10	OUT	77	77	0	0	1055.6
	213+84	221+40	10	OUT	77	77	0	0	840
	223+80	229+50	10	OUT	77	77	0	0	633.3
	244+70	246+50	10	OUT	77	77	0	0	200.0
	250+44	254+30	10	OUT	77	77	0	0	428.9
	255+05	263+00	10	OUT	77	77	0	0	883.3
	269+40	274+50	10	OUT	77	77	0	0	566.7
	274+85	281+70	10	OUT	77	77	0	0	761.1
	282+25	296+00	10	OUT	77	77	0	0	1527.8
	296+25	303+80	10	OUT	77	77	0	0	838.9
US 6 EB	194+60	201+60	10	OUT	77	77	0	0	777.8
	202+50	211+30	10	OUT	77	77	0	0	977.8
	211+70	219+00	10	OUT	77	77	0	0	811.1
	221+70	228+92	10	OUT	77	77	0	0	802.2
	237+60	246+30	10	OUT	77	77	0	0	966.7
	250+85	254+30	10	OUT	77	77	0	0	383.3
	255+20	260+40	10	OUT	77	77	0	0	577.8
	264+00	281+60	10	OUT	77	77	0	0	1955.6
	282+30	303+80	10	OUT	77	77	0	0	2388.9
EB US 6	219+00	219+82	12	OUT	84	84	0	0	109.33
WB US 6	192+61	193+86	12	OUT	84	84	0	0	166.7
WB US 6	212+84	213+84	12	OUT	84	84	0	0	133.33
WB US 6	223+00	223+68	12	OUT	84	84	0	0	90.7
WB US 6	249+34.50	250+44.00	12	OUT	84	84	0	0	146



2612A  
MODIFIED

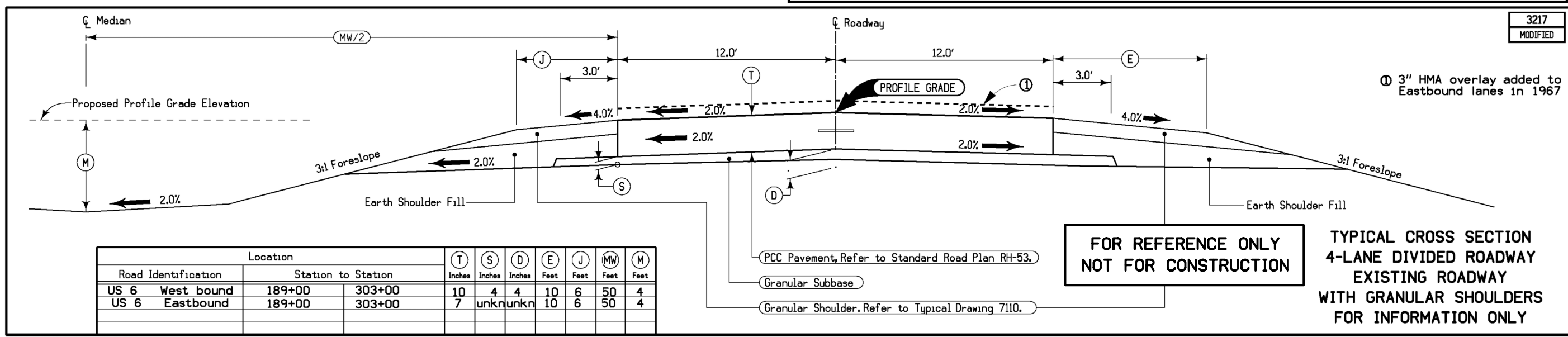
- ① 6" Granular Shoulder quantity calculation based on a vertical pavement face.
- ② Earth Shoulder Construction
- ③ Subgrade Hinge Point
- ④ Possible 1:1 Slope
- ⑤ Per Station
- ⑥ Refer to Cross Sections for details

Location	Pavement Alternates				6" Special Backfill	Granular Shoulders	Earth Shoulder Construction	
	HMA		PCC					
Station To Station	T	SGW	T	SGW	Tons	Tons	Sta.	
0+11.06	6+38.03	8	31	7	30.9	84.8	16.75	5.0



1601  
10-03-00

- Notes:
- ② shall be  $\epsilon$  of roadway, dike, survey, or other; as detailed on plans.
  - Skew angle is the angle which one end of the pipe is ahead (by stationing) of a line perpendicular to the  $\epsilon$  (example skew Rt. ahead 30 degrees).
  - Refer to tabular listings and other plans for additional information.
  - The outer three joints are to be connected when the concrete option is used.
  - ① See Standard Road Plan RF-3 for Concrete or RF-5 for Metal and Polyethylene.
- Special Note:  
The (Length) of unclassified pipe calculated is based on the length of CMP Pipe.



3217  
MODIFIED

- ① 3" HMA overlay added to Eastbound lanes in 1967

Location		T	S	D	E	J	MW	M
Road Identification	Station to Station	Inches	Inches	Inches	Feet	Feet	Feet	Feet
US 6 West bound	189+00	10	4	4	10	6	50	4
US 6 Eastbound	189+00	7	unk	unk	10	6	50	4

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TYPICAL CROSS SECTION  
4-LANE DIVIDED ROADWAY  
EXISTING ROADWAY  
WITH GRANULAR SHOULDERS  
FOR INFORMATION ONLY