

# CITY OF ST. LOUIS PARK

## HENNEPIN COUNTY, MINNESOTA

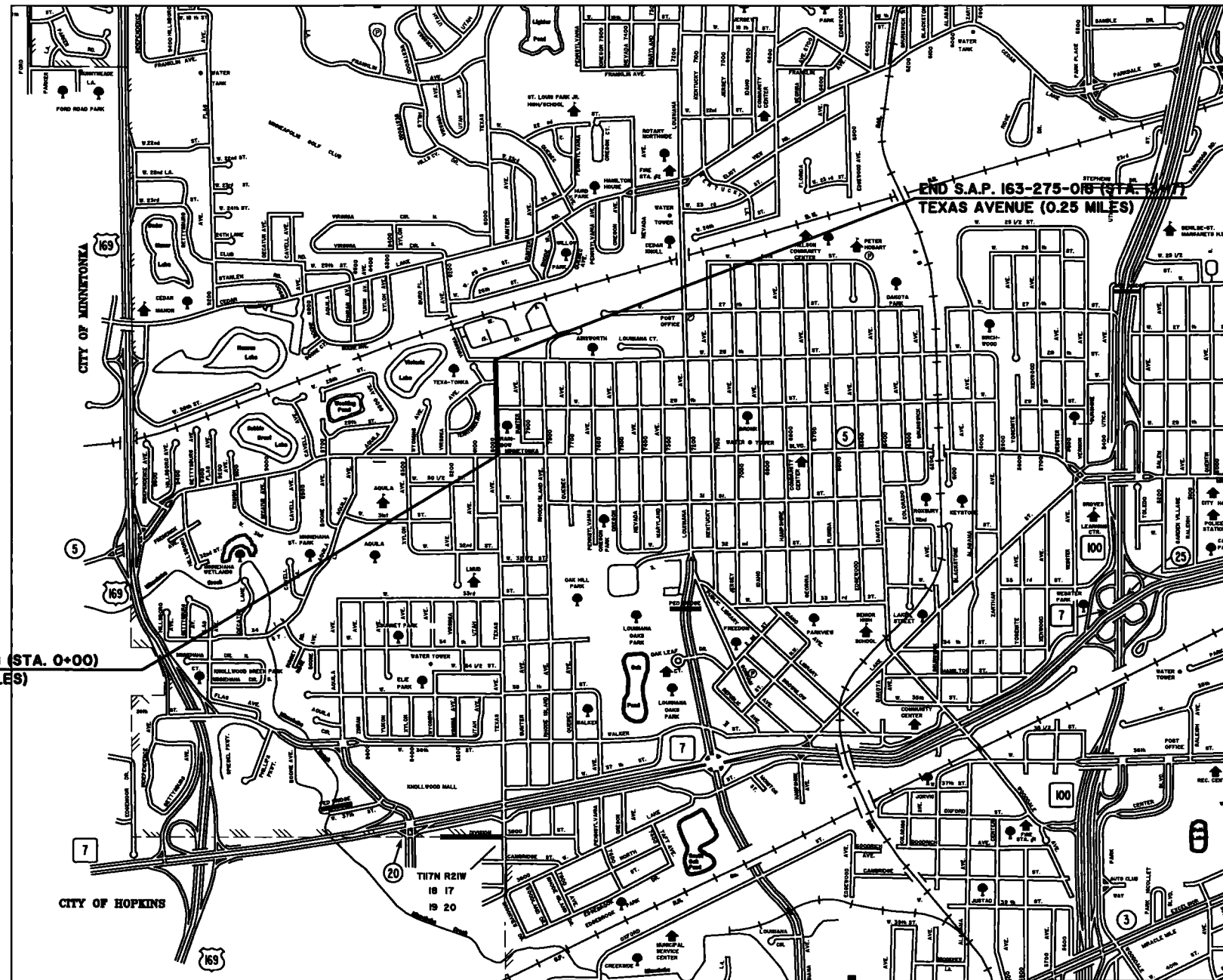
**CONSTRUCTION PLANS FOR: CONCRETE CRACK & JOINT REPAIR, CONCRETE PAVEMENT REPLACEMENT, CONCRETE SURFACING, CONCRETE CURB, AND CONCRETE SIDEWALK**

**S.A.P. NO.'S 163-275-018  
CITY PROJECT NO.'S 2008-1100**

LOCATED ON: TEXAS AVENUE, (MINNETONKA BOULEVARD TO 28TH STREET)

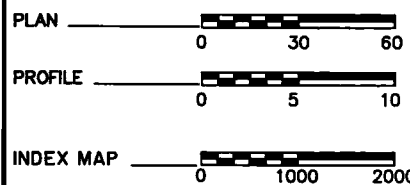
**LEGEND**

- EXISTING CATCH BASIN
- REMOVE CATCH BASIN
- RECONSTRUCT CATCH BASIN
- CONSTRUCT CATCH BASIN
- ADJUST CATCH BASIN
- EXISTING MANHOLE
- REMOVE MANHOLE
- RECONSTRUCT MANHOLE
- CONSTRUCT MANHOLE
- ADJUST MANHOLE
- ⊗ EXISTING HYDRANT
- ⊗ RELOCATE HYDRANT
- ⊗ INSTALL HYDRANT
- ⊗ EXISTING GATE VALVE
- ⊗ ADJUST GATE VALVE
- ⊗ INSTALL GATE VALVE
- EDGE OF BITUMINOUS
- EDGE OF GRAVEL
- EXISTING CURB
- PROPOSED CURB
- EXISTING WATERMAIN
- PROPOSED WATERMAIN
- EXISTING SAN. SEWER
- PROPOSED SAN. SEWER
- EXISTING ST. SEWER
- PROPOSED ST. SEWER
- GAS MAIN
- TELEPHONE
- FIBER OPTIC TELEPHONE
- ELECTRIC CABLE
- CHAIN LINK FENCE
- WOOD FENCE
- CULVERT
- GRAVEL
- CONCRETE
- EXISTING BITUMINOUS
- BLOCK WALL
- STONE WALL
- HEDGE
- TREE
- ✱ REMOVE TREE
- ✱ EVERGREEN TREE
- UTILITY POLE W/GUY
- UTILITY POLE W/LIGHT
- HOLE
- HILL



CALL FOR UNDERGROUND LOCATIONS PRIOR TO DIGGING.  
GOPHER STATE ONE CALL (651)454-0002  
(QUALITY LEVEL D)

**SCALES**



GOVERNING SPECIFICATIONS

THE 2005 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

**INDEX**

PAGE	DESCRIPTION
1	TITLE SHEET
2	STATEMENT OF ESTIMATED QUANTITIES AND TYPICAL SECTIONS
3	TABULATION SHEET
4-5	TEXAS AVENUE PLAN AND PROFILE
6	TRAFFIC CONTROL

**TEXAS AVENUE DESIGN DESIGNATION S.A.P. NO. 163-275-018**

ADT (2010)	4,839	ADT (2030)	5,904
DESIGN SPEED	_____ miles/hr		
NO. OF TRAFFIC LANES	2		
NO. OF PARKING LANES	2		
R VALUE	50	N18	801,938
SOIL FACTOR	75	HCADT	348
BASED ON STOPPING SIGHT DISTANCE			
HT OF EYE	3.5	HT OF OBJECT	2.0'
ROADWAY SEGMENT LENGTH 1,317', 0.25 MILES			

NOTE: THIS PLAN CONTAINS 6 SHEETS.

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

ENGR. JAMES D. OLSON LICENSE 41294

SIGNATURE James D. Olson DATE 7-13-10

APPROVED Christy Kruel 7-14 2010  
CITY OF ST. LOUIS PARK CITY ENGINEER

Michael P. Gowdu 7/16/ 2010  
DISTRICT STATE AID ENGINEER  
REVIEWED FOR COMPLIANCE WITH STATE AID RULES / POLICY

Michael P. Gowdu 7/16 2010  
APPROVED FOR STATE AID FUNDING: STATE AID ENGINEER

NOTE: ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MMUTCD, INCLUDING FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

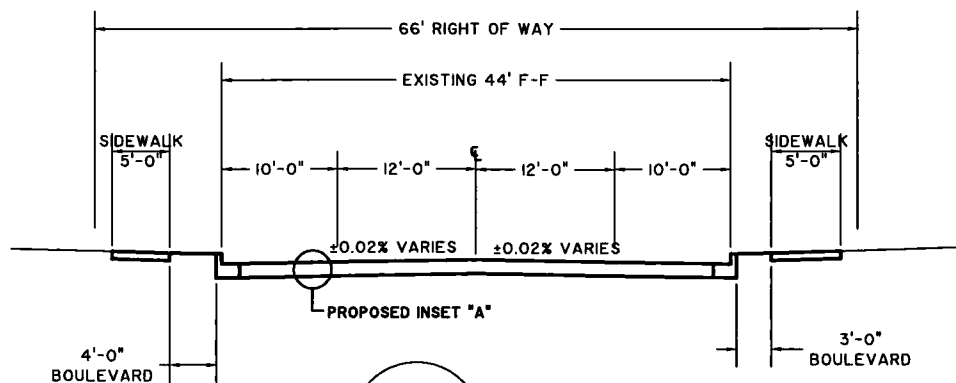
**Sheet 1 of 6 Sheets**

THE FOLLOWING STANDARD PLATES APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION SHALL APPLY ON THIS PROJECT.

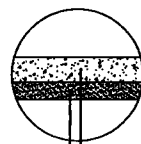
STANDARD PLATES	
PLATE NO.	DESCRIPTION
7036 F	PEDESTRIAN CURB RAMP
7000E	CONCRETE CURB AND GUTTER
8000 I	STANDARD BARRICADES

BASIS OF QUANTITIES	
BITUMINOUS MIX	110#/SY/IN
AGGREGATE BASE CLASS #5	105#/SY/IN

**TEXAS AVENUE**  
EXISTING TYPICAL SECTION  
STA. 0+00 TO 12+87



EXISTING ROAD SECTION:  
TEXAS AVENUE  
7 3/8" - CONCRETE PAVEMENT



PROPOSED 7.5" CONCRETE PAVEMENT (RANDOM)  
PROPOSED 4" AGGREGATE BASE

**PROPOSED INSET "A"**

**STATEMENT OF ESTIMATED QUANTITIES**

CITY PROJECT 2008-1100

TEXAS AVENUE

S.A.P. 163-275-018

MNDOT NO.	ITEM	UNIT	ESTIMATED QUANTITY
2021.501	MOBILIZATION	L.S.	1.00
2104.505	REMOVE BITUMINOUS PAVEMENT	SQ. YD.	10.00
2104.509	REMOVE CASTING	EACH	2.00
2104.513	SAWING BITUMINOUS PAVEMENT	L.F.	50.00
2105.525	TOPSOIL BORROW (LV)	C Y	20.00
2123.610	STREET SWEEPER WITH PICKUP BROOM	HOUR	10.00
2211.501	AGGREGATE BASE CLASS 5	TON	100.00
2231.501	BITUMINOUS PATCHING MIXTURE	TON	5.00
2301.603	JOINT REPAIR (TYPE SA-A1)	L.F.	718.00
2301.603	CRACK REPAIR (TYPE SA-A3)	L.F.	97.00
2301.603	PARTIAL DEPTH REPAIR (TYPE SA-BA)	L.F.	375.00
2301.603	INTEGRANT CURB DESIGN B6 (TYPE SA-CG)	L.F.	388.00
2301.603	INTEGRANT CURB DESIGN B6 (TYPE SA-CB)	L.F.	12.00
2301.604	DIAMOND GRINDING (TYPE SA-DG)	SQ. YD.	6255.00
2301.618	PARTIAL DEPTH REPAIR (TYPE SA-BE)	S.F.	24.00
2301.618	SPOT FULL DEPTH REPAIR (TYPE SA-C1)	S.F.	16.00
2301.618	FULL DEPTH REPAIR (TYPE SA-CD)	S.F.	606.00
2301.618	FULL DEPTH REPAIR (TYPE SA-CX)	S.F.	6130.00
2301.618	SIDEWALK REPAIR (TYPE SA-SW)	S.F.	1451.00
2506.516	CASTING ASSEMBLY (MANHOLE)	EACH	2.00
2506.516	CASTING ASSEMBLY (CATCH BASIN)	EACH	4.00
2506.522	ADJUST FRAME & RINGS CASTING (MANHOLE)	EACH	2.00
2506.522	ADJUST FRAME & RINGS CASTING (CATCH BASIN)	EACH	4.00
2531.501	CONCRETE CURB & GUTTER DESIGN B618	L.F.	44.00
2531.507	6" CONCRETE PAVEMENT (DRIVEWAY)	SQ. YD.	30.00
2531.618	TRUNCATED DOME	S.F.	48.00
2563.601	TRAFFIC CONTROL	L.S.	1.00
2573.530	STORM DRAIN INLET PROTECTION	EACH	11.00
2575.501	SEEDING (HYDRAULIC APPLICATION)	ACRE	0.10
2575.502	SEED MIXTURE 270	LB	15.00
2575.532	FERTILIZER TYPE 1	LB	35.00
2575.560	HYDRAULIC SOIL STABILIZER TYPE 6	LB	220.00
2582.502	4" DOUBLE SOLID LINE YELLOW - EPOXY	L.F.	975.00



STATEMENT OF ESTIMATED  
QUANTITIES AND  
TYPICAL SECTION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNATURE: *James D. Olson* NAME: JAMES D. OLSON  
DATE: 7-13-10 LICENSE NO. 41294

PLAN BY: TJP PROFILE AS BUILT APPROVED J.D.O. CONTRACT  
PROJECT: 09-1101 SURVEY CHECKED J.D.O. DATE JAN 2010

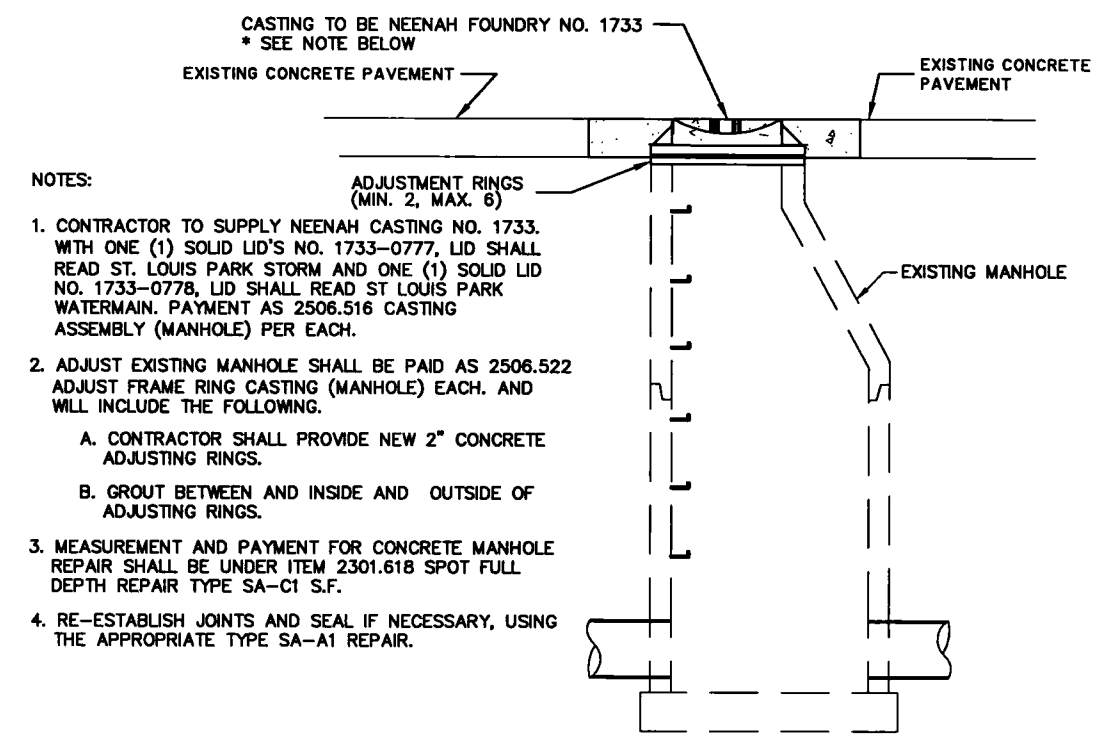
State Proj. No. S.A.P. 163-275-018 Sheet No. 2 of 6 Sheets

JOINT AND PAVEMENT REPAIR TEXAS AVENUE																		
STATION	L.F.	S. BOUND								CENTELINE	N. BOUND							
		SA-A1 (L.F.)	SA-A3 (L.F.)	(SA-BA) (L.F.)	SA-BE (S.F.)	SA-CD (S.F.)	SA-CX (S.F.)	SA-CG (L.F.)	SA-C1 (S.F.)		SA-A1 (L.F.)	SA-A3 (L.F.)	(SA-BA) (L.F.)	SA-BE (S.F.)	SA-CD (S.F.)	SA-CX (S.F.)	SA-CG (L.F.)	SA-CB (L.F.)
0+68	5																	
0+73	5																	
0+78	10												13					
0+88	20												12					
1+08	20																	
1+28	20																	
1+48	17																	
1+65	19																	
1+84	19																	
2+03	19																	
2+22	18																	
2+40	18																	
2+58	18																	
2+76	18																	
2+94	18																	
3+12	17	22.0																
3+29	21	22.0																
3+50	19	22.0																
3+69	21	22.0																
3+90	20	22.0																
4+10	19	22.0																
4+29	19	22.0																
4+48	19	22.0																
4+67	19	22.0																
4+86	18	22.0																
5+04	20	38.0																
5+24	20	22.0																
5+44	20	22.0																
5+64	17																	
5+81	15																	
5+96	15																	
6+11	15																	
6+26	15																	
6+41	16																	
6+57	15																	
6+72	13																	
6+85	20	20.0																
7+05	20																	
7+25	20																	
7+45	19																	
7+64	20																	
7+84	20																	
8+04	20																	
8+24	20																	
8+44	18	22.0																
8+62	19	22.0																
8+81	19																	
9+00	18																	
9+18	18																	
9+36	20																	
9+56	20																	
9+76	18																	
9+94	17	16.0																
10+11	16																	
10+27	14																	
10+41	14																	
10+55	19																	
10+74	19																	
10+93	19																	
11+12	19																	
11+31	19																	
11+50	19																	
11+69	19																	
11+88	19																	
12+07	20																	
12+27	20																	
12+47	20																	
12+67	12																	
12+79																		
1211.0		382.0	50.0	193.0	6.0	272	5144	314	16.0									

TOTAL QUANTITY JOINT AND PAVEMENT REPAIR									
SA-A1 (L.F.)	SA-A3 (L.F.)	SA-BA (L.F.)	SA-BE (S.F.)	SA-CD (S.F.)	SA-CX (S.F.)	SA-CG (L.F.)	SA-CB (L.F.)	SA-C1 (S.F.)	
718.0	97.0	375.0	24.0	606.0	6130.0	388.0	12.0	16.0	

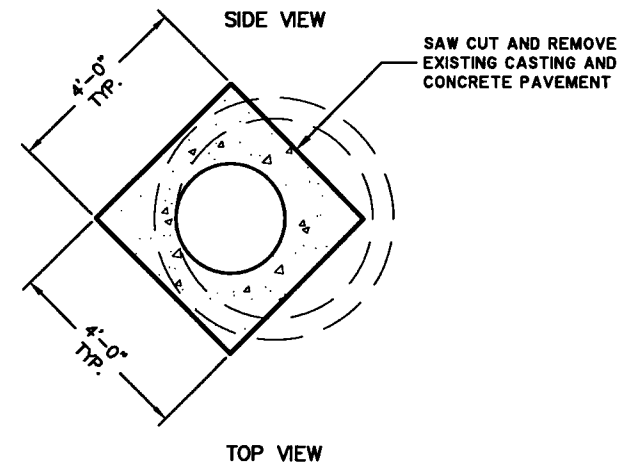
6" DRIVEWAY REMOVAL AND CONSTRUCT						
STATION	STATION	LENGTH	WIDTH	S.Y.		
		LT	RT			
3+24.0	3+55.0	31.00		3.00	10	DRIVEWAY
4+36.0	4+65.0	29.00		3.00	10	DRIVEWAY
5+46.0	5+75.0	29.00		3.00	10	DRIVEWAY
TOTAL DRIVEWAY				30		

SIDEWALK REMOVAL AND CONSTRUCT (TYPE SA-SW)							
STATION	STATION	LENGTH		WIDTH	SF	PED. RAMP (S.F.)	
		LT	RT				
2+94.0	3+25.0	31		2.5	78		OUTWALK
3+06.0	3+12.0		6	5.0	30		
5+73.0	5+88.0	15		5.0	75		
6+13.0	6+55.0	42		5.0	210		
6+24.0	6+39.0		15	5.0	75	8	
6+72.0	6+87.0		15	7.0	105	8	
6+81.0	7+06.0	25		5.0	125		
7+92.0	8+07.0	15		5.0	75		
8+43.0	8+47.0		4	3.0	12		OUTWALK
8+64.0	8+84.0	20		5.0	100		
9+79.0	10+09.0	30		5.5	165	8	
10+41.0	10+56.0	15		5.5	83	8	
10+78.0	10+82.0	4		3.5	14		OUTWALK
10+93.0	11+09.0	16		5.0	80		
11+02.0	11+12.0		10	5.0	50		
11+38.0	11+53.0	15		5.0	75		
11+77.0	11+82.0		5	5.0	25		OUTWALK
12+45.0	12+60.0	15		5.0	75		
12+74.0	12+91.0		17	7.0	119	8	
12+78.0	12+95.0	17		6.5	111	8	
TOTAL					1451	48	



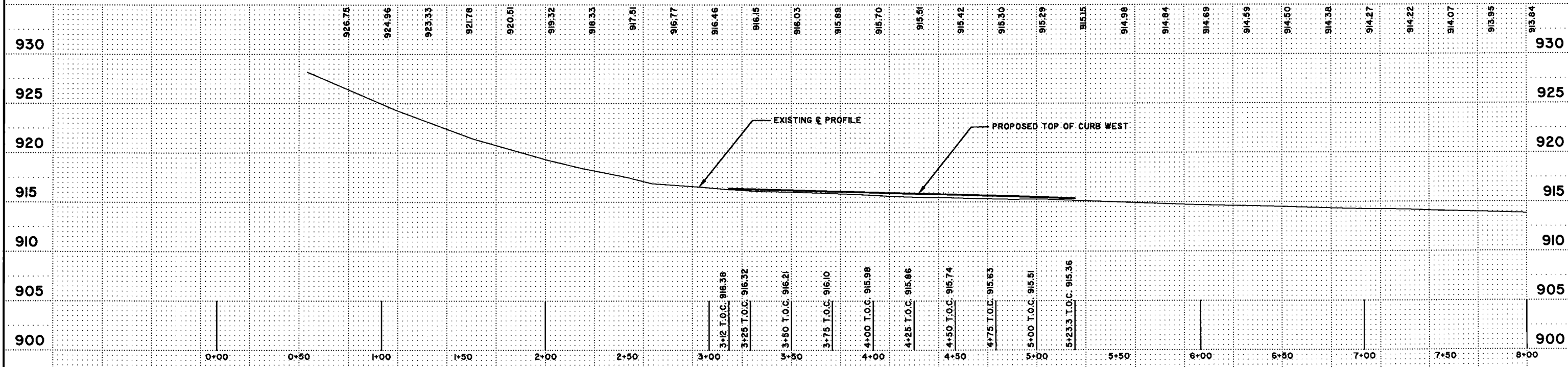
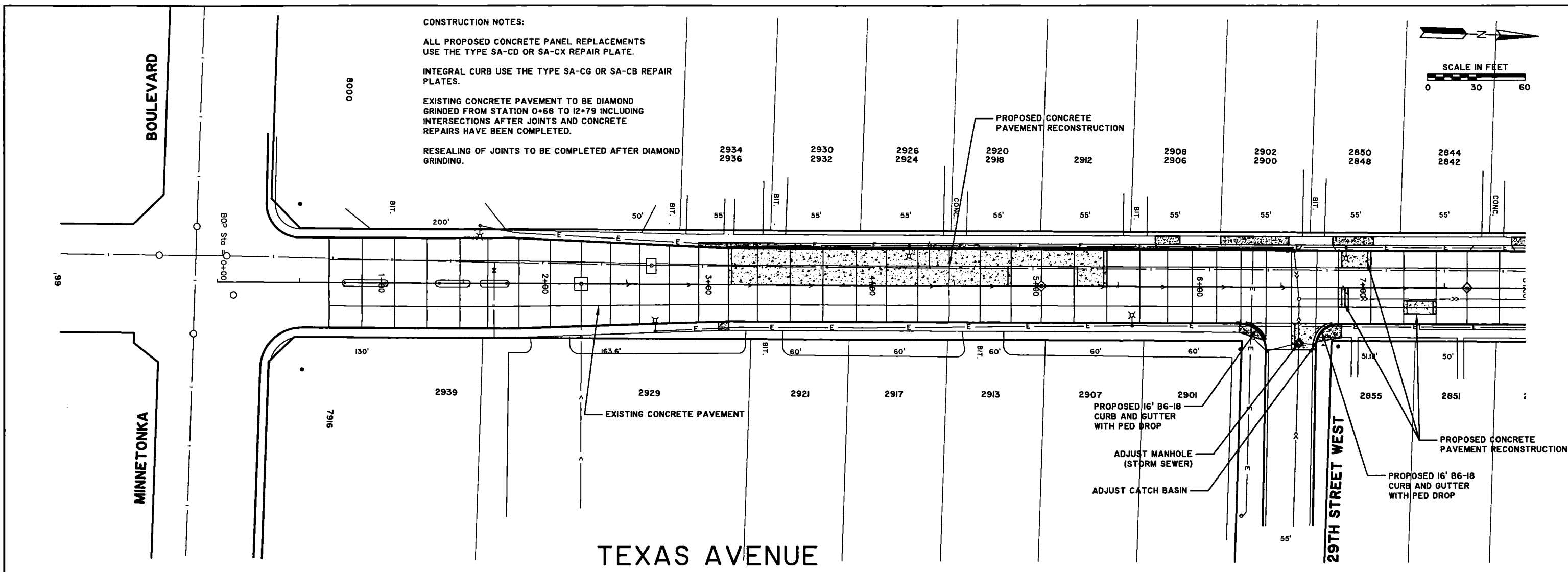
NOTES:

- CONTRACTOR TO SUPPLY NEENAH CASTING NO. 1733. WITH ONE (1) SOLID LID'S NO. 1733-0777, LID SHALL READ ST. LOUIS PARK STORM AND ONE (1) SOLID LID NO. 1733-0778, LID SHALL READ ST LOUIS PARK WATERMAIN. PAYMENT AS 2506.516 CASTING ASSEMBLY (MANHOLE) PER EACH.
- ADJUST EXISTING MANHOLE SHALL BE PAID AS 2506.522 ADJUST FRAME RING CASTING (MANHOLE) EACH. AND WILL INCLUDE THE FOLLOWING.
  - A. CONTRACTOR SHALL PROVIDE NEW 2" CONCRETE ADJUSTING RINGS.
  - B. GROUT BETWEEN AND INSIDE AND OUTSIDE OF ADJUSTING RINGS.
- MEASUREMENT AND PAYMENT FOR CONCRETE MANHOLE REPAIR SHALL BE UNDER ITEM 2301.618 SPOT FULL DEPTH REPAIR TYPE SA-C1 S.F.
- RE-ESTABLISH JOINTS AND SEAL IF NECESSARY, USING THE APPROPRIATE TYPE SA-A1 REPAIR.

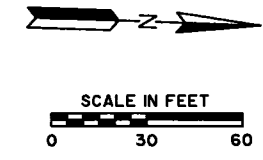
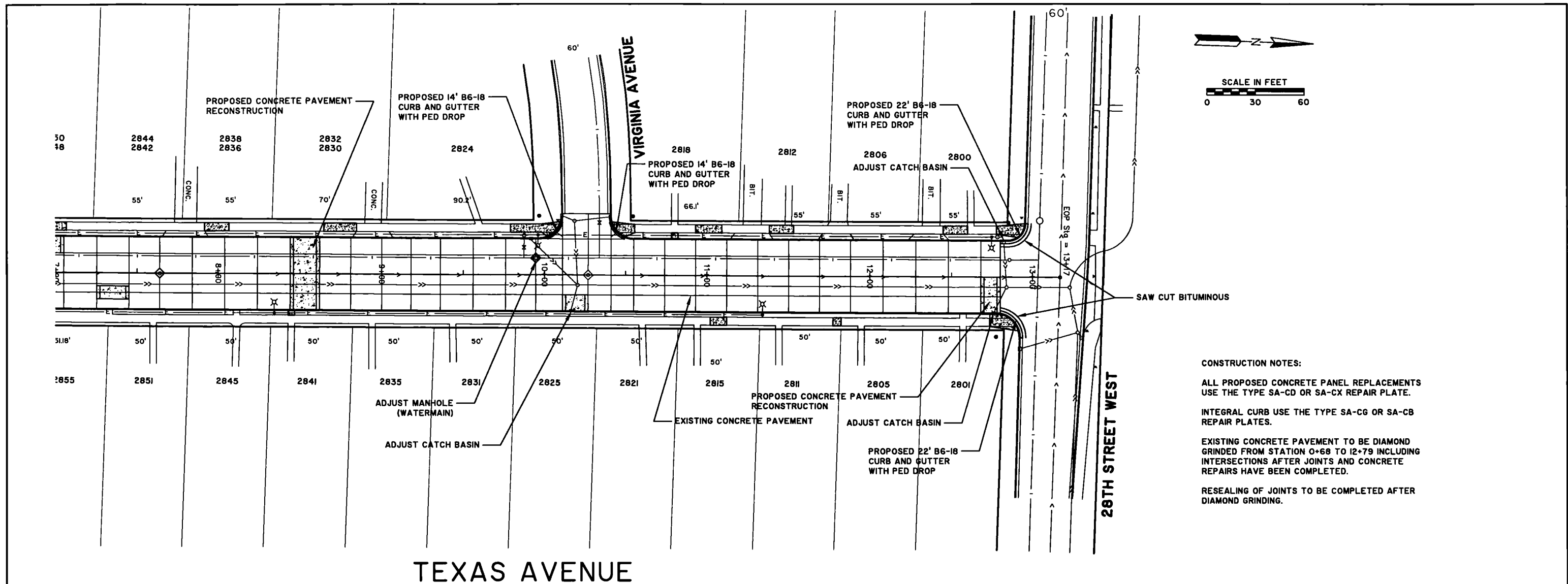


CONCRETE PAVEMENT MANHOLE ADJUST

	TABULATION SHEET	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. SIGNATURE: <i>James D. Olson</i> NAME: JAMES D. OLSON DATE: 7-13-10 LICENSE NO. 41294	PLAN BY: TJP PROJECT: 08-1100	PROFILE SURVEY	AS BUILT CHECKED J.D.O.	APPROVED J.D.O. DATE APRIL 2010	CONTRACT
			State Proj. No.				



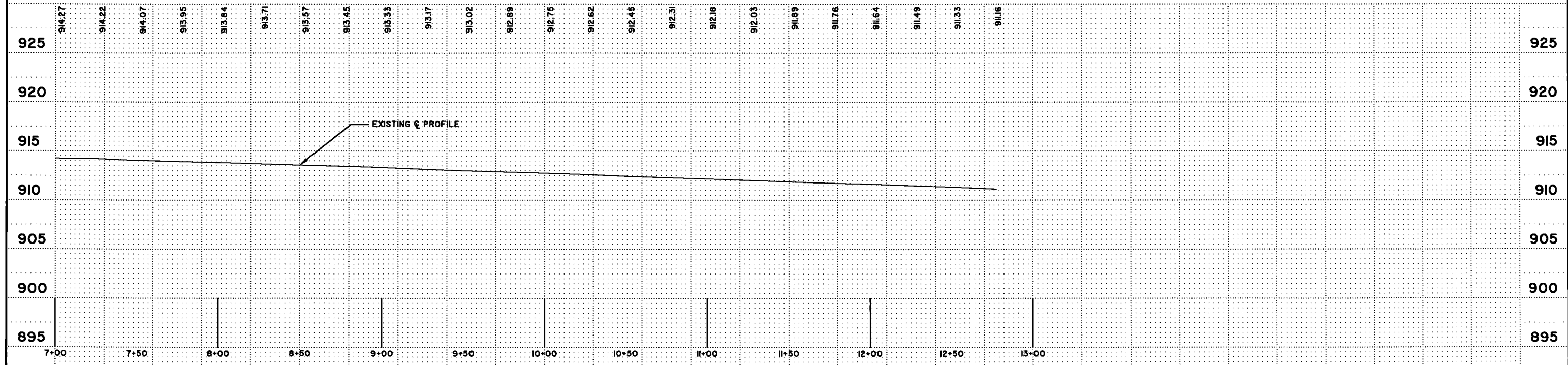
	<b>TEXAS AVENUE</b> PLAN AND PROFILE	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.				PLAN BY: TJP	PROFILE TJP	AS BUILT	APPROVED JDO	CONTRACT
		SIGNATURE: <i>James D. Olson</i> NAME: JAMES D. OLSON DATE: 7-13-10 LICENSE NO. 41294	PROJECT: 08-1100	SURVEY BM,KD	CHECKED JDO	DATE JAN 2010	State Proj. No.	S.A.P. 163-275-018	Sheet No. 4 of 6 Sheets	



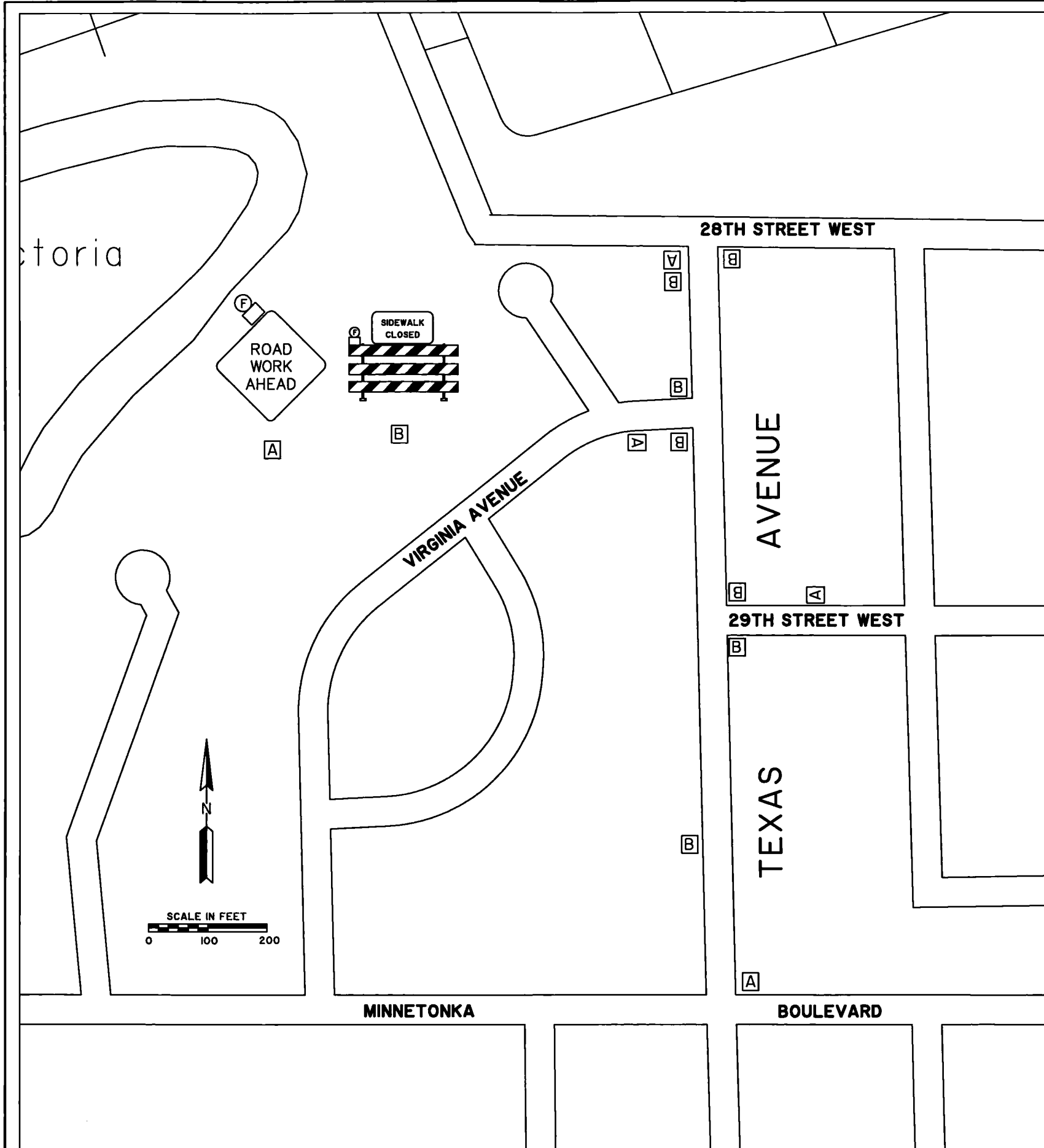
**CONSTRUCTION NOTES:**

- ALL PROPOSED CONCRETE PANEL REPLACEMENTS USE THE TYPE SA-CD OR SA-CX REPAIR PLATE.
- INTEGRAL CURB USE THE TYPE SA-CG OR SA-CB REPAIR PLATES.
- EXISTING CONCRETE PAVEMENT TO BE DIAMOND GRENDED FROM STATION 0+68 TO 12+79 INCLUDING INTERSECTIONS AFTER JOINTS AND CONCRETE REPAIRS HAVE BEEN COMPLETED.
- RESEALING OF JOINTS TO BE COMPLETED AFTER DIAMOND GRINDING.

**TEXAS AVENUE**

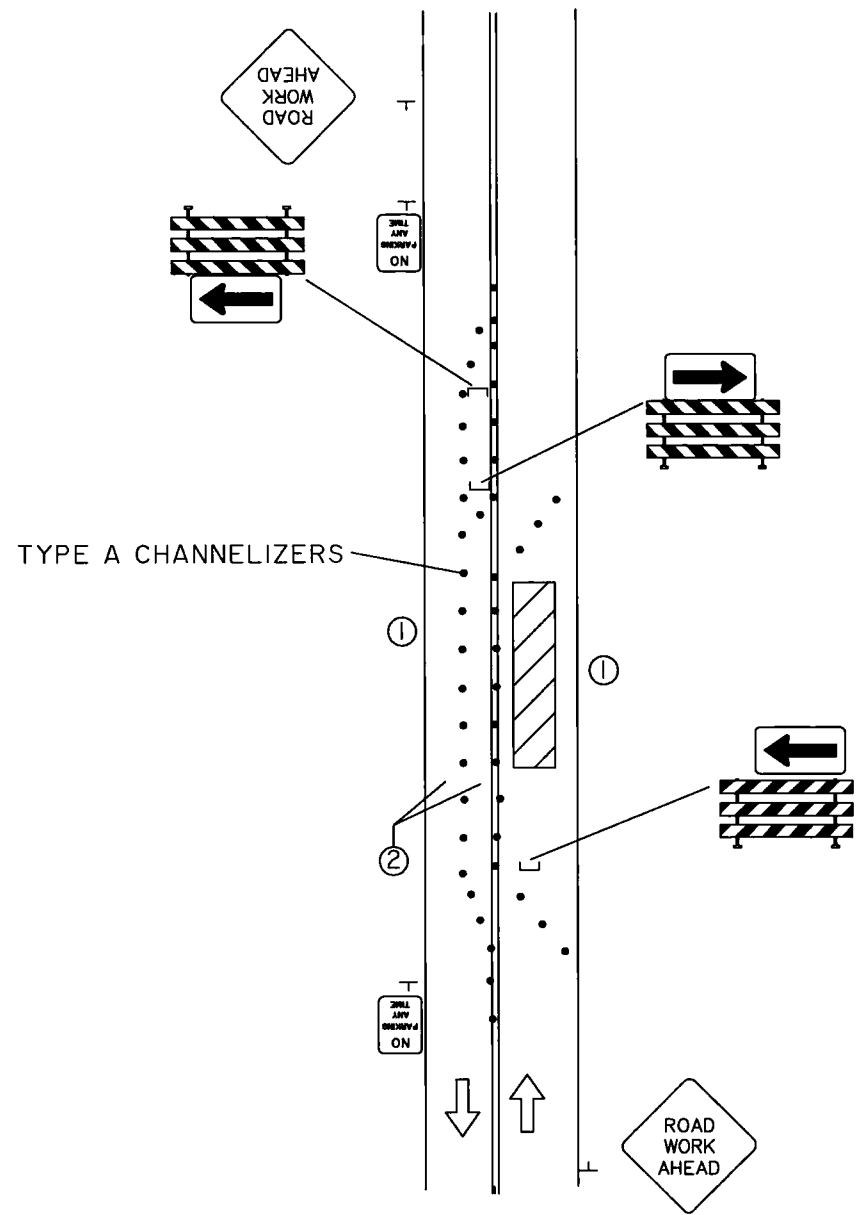


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	PLAN BY: TJP	PROFILE TJP	AS BUILT	APPROVED JDO	CONTRACT								
PROJECT: 08-1100	SURVEY BM,KD	CHECKED JDO	DATE JAN 2010										
		State Proj. No.	S.A.P. 163-275-018	Sheet No. 5 of 6 Sheets									



NOTES:

1. Parking and stopping may be prohibited along the work space and taper.
2. The minimum paved lane width from the channelizing devices shall be 10 feet.



WORK SPACE OCCUPIES ONE HALF OF ROAD  
TWO LANE TWO WAY ROAD

6K-23



TEXAS AVENUE  
TRAFFIC CONTROL  
PLAN

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.  
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PROJECT: 08-1100	SURVEY	CHECKED J.D.O.	DATE JAN 2010	
State Proj. No.		S.A.P. 163-275-018		Sheet No. 6 of 6 Sheets