



CITY OF ROCK ISLAND, ILLINOIS

(FAU 5816)

24TH STREET RESURFACING 18TH AVENUE TO 25TH AVENUE

SECTION # 06-00180-00-RS

PROJECT # M-5074-(78)

CITY JOB NO. 2569

CONTRACT NO. : 85434

JOB NO. : C-92-072-07

MAYOR
MARK W. SCHWIEBERT

ALDERMEN	WARD
TERRY M. A. BROOKS I	1
DAVID A. CONROY	2
DENNIS E. PAULEY	3
STEPHEN L. TOLLENAER	4
MARGIE MEJIA-CARABALLO	5
JOY MURPHY	6
CHARLES AUSTIN III	7

CITY MANAGER
JOHN C. PHILLIPS

PUBLIC WORKS DIRECTOR
ROBERT T. HAWES, P.E.

CITY ENGINEER
JAMES E. JOHNSON, P.E.

INDEX OF SHEETS		
SHEET NO.	TITLE	SCALE
1	Cover Sheet	Not to Scale
2	Typical Sections	Not to Scale
3-4	Quantities And Legend	Not to Scale
5-9	Schedule of Quantities	Not to Scale
10-15	Plan And Profile - Road	1" = 20' Horiz 1" = 5' Vert
16-22	Plan And Profile - Utility	1" = 20' Horiz 1" = 5' Vert
23	Pavement Marking Detail	1" = 40'
24-29	Traffic Control Detail	Not to Scale
30-31	Driveway Cross-Sections	1" = 20' Horiz 1" = 5' Vert
32-37	CRI Standard Details	Not to Scale
38	Cable Plan & Phase Designation Diagram	Not to Scale

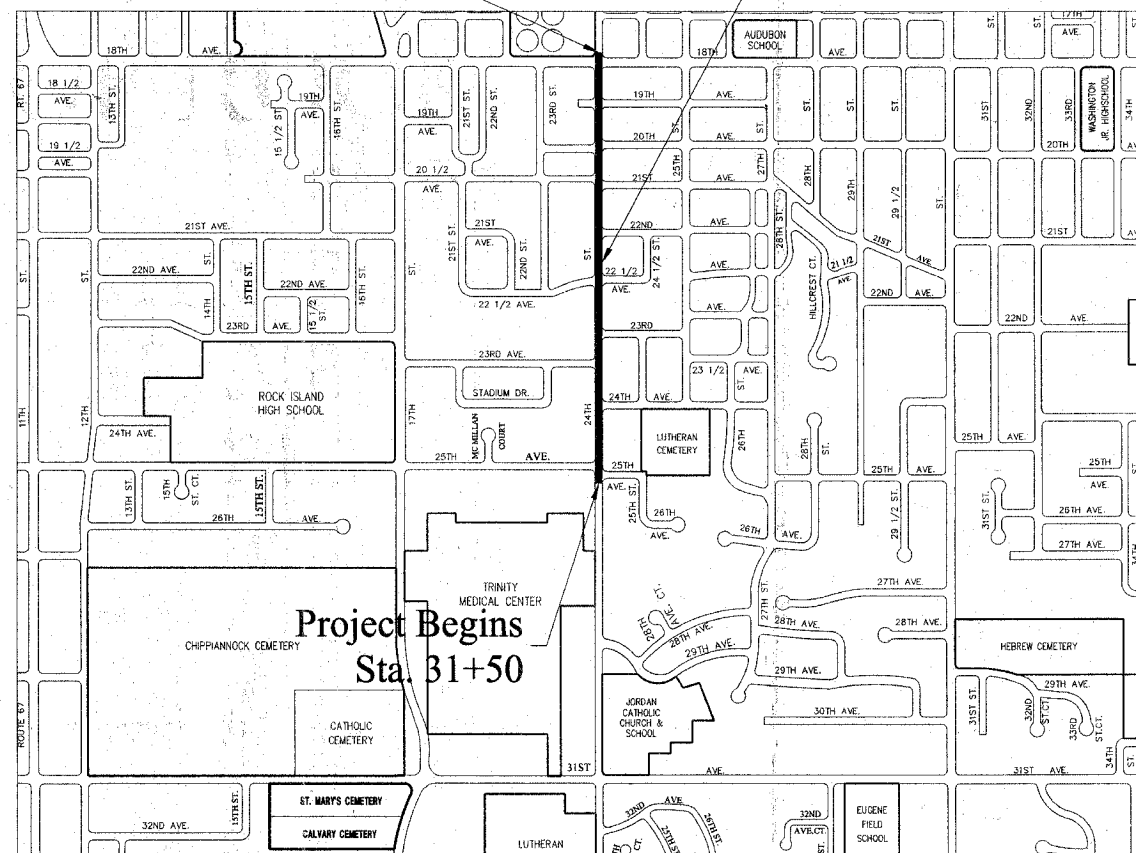
Functional Classification: Arterial
ADT: 7500; 10% Trucks
Design Speed: 30 M.P.H.

STRUCTURAL DESIGN INFORMATION	
STRUCTURAL DESIGN TRAFFIC FOR THE YEAR 2007	PV = 8425 SU = 130 MU = 45
ROAD / STREET CLASSIFICATION: CLASS II	LOAD LIMIT: 80,000 LBS.
TRAFFIC FACTOR: 0.44	SUBGRADE SUPPORT: POOR
TRANSVERSE JOINT SPACING: 15 FT.	SHOULDER TYPE: INTEGRAL CURB AND GUTTER
OVERLOADS: 2 PER WEEK	DESIGN PAVEMENT THICKNESS: 9 INCHES

Standards	
420001-07	Pavement Joints
606001-03	Concrete Curb, Type B and Concrete Combination Curb and Gutter
701006-02	Off Rd Operations, 2L 2W, 4.5m (15') to 600mm (24") From Pavement Edge
701301-02	Lane Closure, 2L, 2W, Short Time Operations
701311-02	Lane Closure, 2L, 2W Moving Operations - Day Only
701331-02	Lane Closure, 2L, 2W, With Run-Around For Speeds ≥ 45 MPH
701606-05	Urban Lane Closure, Multilane, 2W, with Mountable Median
701701-05	Urban Lane Closure, Multilane Intersection
701801-03	Lane Closure, Multilane, 1W or 2W Crosswalk or Sidewalk Closure
701901	Traffic Control Devices
704001	Temporary Concrete Barriers
720011	Metal Posts for Signs, Markers, & Delineators
728001	Telescoping Steel Sign Support
729001	Applications of Types A & B Metal Posts (For Signs & Markers)
814001-01	Handholes
BLR 10-5	PCC Pavement, Special (Nonreinforced)
BLR 21-7	Typical Application of Traffic Control Devices for Construction on Rural Local Highways

Project Ends
Sta. 64+00

Project Location



NOT TO SCALE

PROJECT LENGTH:
3,250 Feet (0.617 Mile)

UTILITY OWNERS

MIDAMERICAN ENERGY COMPANY
2811 - 5TH AVE.
ROCK ISLAND, ILLINOIS 61201

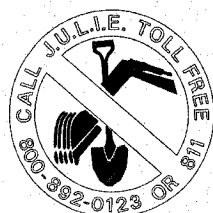
AMERITECH
635 - 18TH ST.
ROCK ISLAND, ILLINOIS 61201

MEDIACOM
3900-26TH AVENUE
MOLINE, ILLINOIS 61265

CITY OF ROCK ISLAND
MUNICIPAL SERVICES DIVISION
1309 MILL STREET
ROCK ISLAND, ILLINOIS 61201

FOR UTILITY LOCATIONS CALL:
J.U.L.I.E. @ 1-800-892-0123

WARNING



CALL BEFORE
YOU DIG

NOTE:
THIS PROJECT IS LOCATED IN THE
SW ¼ OF SEC 1, SE ¼ OF SEC 2, NE ¼ OF SEC 11, NW ¼ OF SEC 12, T17N, R2W

THESE PLANS PREPARED BY:
CITY OF ROCK ISLAND ENGINEERING DIVISION
PUBLIC WORKS DEPARTMENT

APPROVED BY
Michael J. Kane 5/29/2008
ASSISTANT CITY ENGINEER

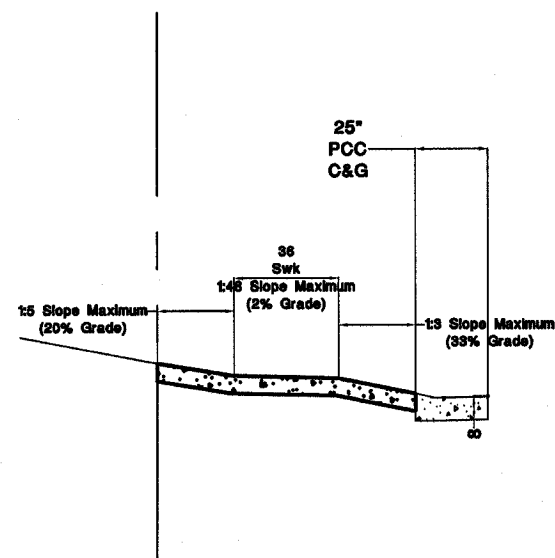
PASSED JUNE 2 2008

James T. Miller
DISTRICT ENGINEER OF LOCAL ROADS & STREETS

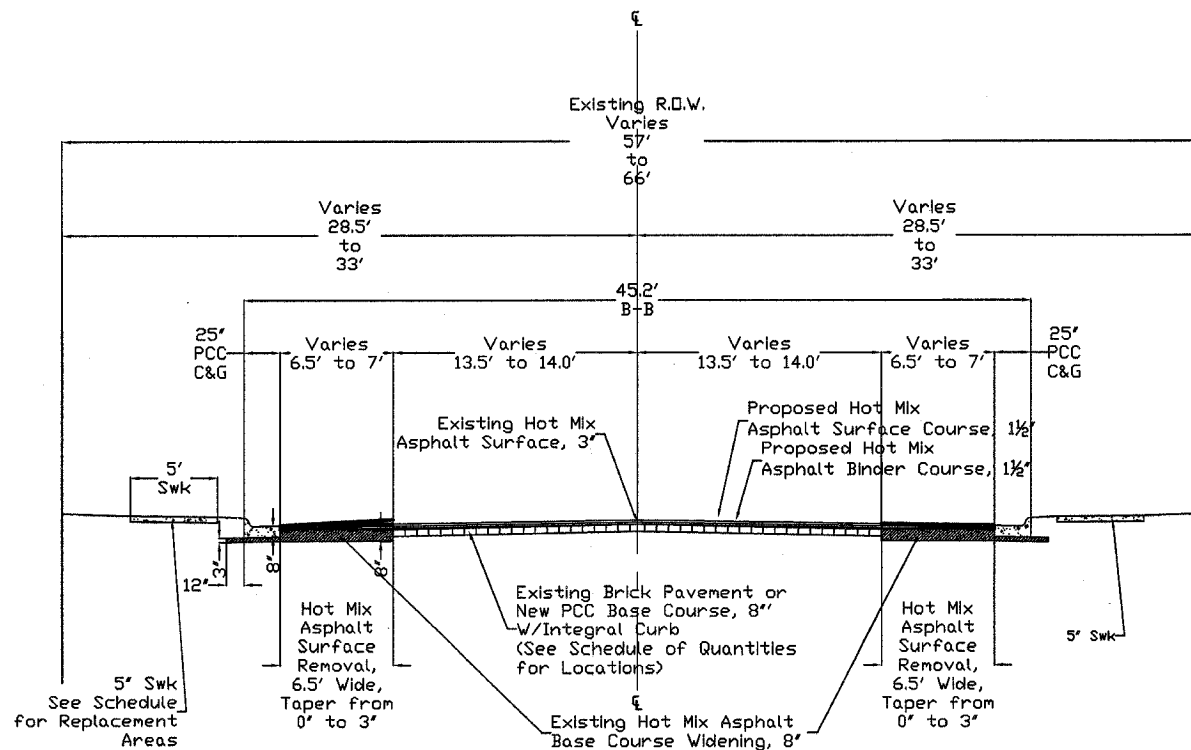
RELEASING FOR BID
BASED ON LIMITED
REVIEW June 2 2008

George F. Ryan
DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER

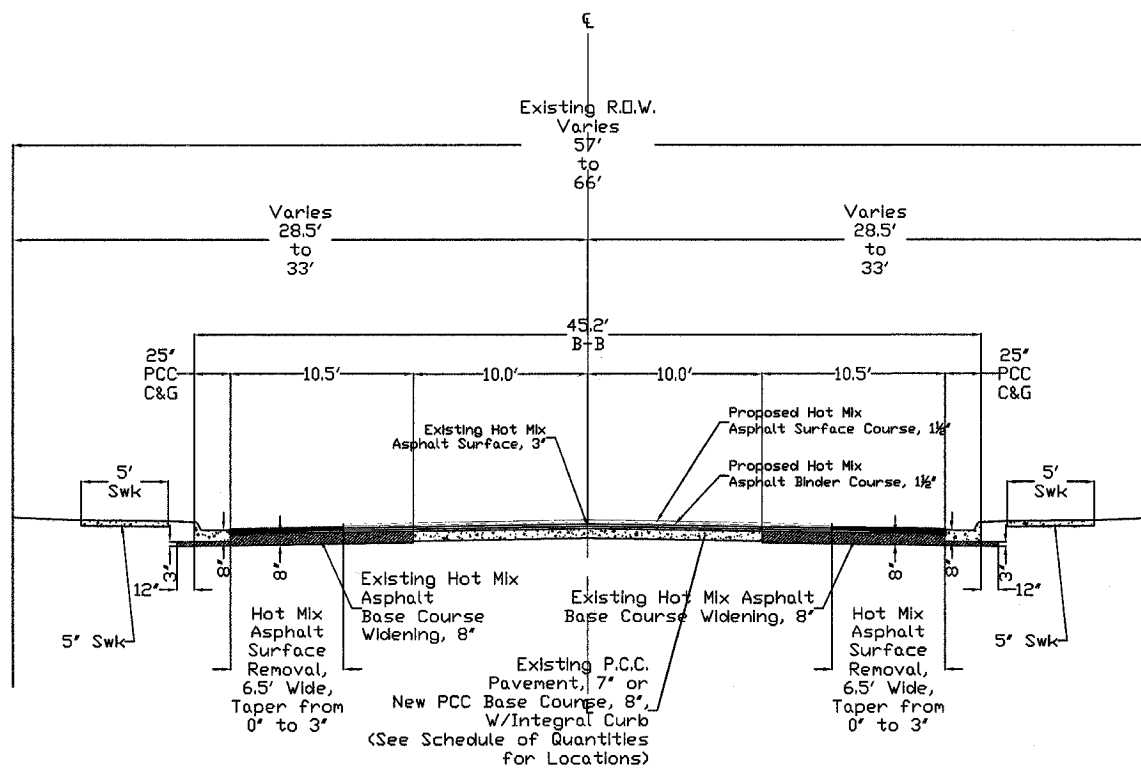




**Typical Driveway Section
24th Street Resurfacing
18th Avenue to 23rd Avenue**
Taken from **Accessible Rights-of-Way:
A Design Guide**
Published by the U.S. Architectural and
Transportation Barriers Compliance Board



**Typical Section
24th Street Resurfacing
18th Avenue to 23rd Avenue**
(Sta. 41+75 to Sta. 64+00)



**Typical Section
24th Street Resurfacing
23rd Avenue to 25th Avenue**
(Sta. 31+50 to Sta. 41+75)

MIXTURE USES	SURFACE
AC/PG	PG-64-22
DESIGN AIR VOIDS	4.0 @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR IL 12.5
FRICITION AGGREGATE	D

MIXTURE USES	LEVEL BINDER
AC/PG	PG-64-22
DESIGN AIR VOIDS	4.0 @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR IL 12.5
FRICITION AGGREGATE	N/A

Contract # 85434
#06-00180-00-RS
TYPICAL SECTION

**CITY OF ROCK ISLAND
ENGINEERING DIVISION**

24th Street Resurfacing
25th Avenue to 31st Avenue

Job Number	2569	Date	3-31-2007
Computer Drawing Name	2569 typ section.dwg	By	mdw
		Sheet	2
		Of	38

LIST OF QUANTITIES

Item Number	Description	Units	Construction Type Code		
			1000	Y031- TF	Non Part
20200100	Earth Excavation	C.Y.	749		
20800150	Trench Backfill	C.Y.	2,490		
21001000	Geotechnical Fabric for Ground Stabilization	S.Y.	3,986		
25200100	Sodding	S.Y.	1,643		
28000500	Inlet and Pipe Protection	Each	25		
35100100	Aggregate Base Course, Type A	Ton	1,397		
40600100	Bituminous Materials (Prime Coat)	Gal.	323		
40600400	Mixture For Cracks, Joints, And Flangeways	Ton	5		
40600625	Leveling Binder (Machine Method) N50	Ton	1,666		
40603335	Hot-Mix Asphalt Surface Course Mix "D" N50	Ton	1,466		
40800050	Incidental Hot-Mix Asphalt Surfacing	Ton	6		
42300200	PCC Driveway Pavement, 6"	S.Y.	312		
42300300	PCC Driveway Pavement, 7"	S.Y.	135		
42400200	PCC Sidewalk, 5"	S.F.	18,974		
42400800	Detectable Warnings	S.F.	336		
44000080	Hot-Mix Asphalt Surface Removal (Cold Milling)	S.Y.	5,730		
44000100	Pavement Removal	S.Y.	3,733		
44000200	Driveway Pavement Removal	S.Y.	468		
44000500	Combination Curb & Gutter Removal	Ft.	2,334		
44000600	Sidewalk Removal	S.F.	18,796		
44400100	Fiberglass Fabric Repair System	S.Y.	140		
55100500	Storm Sewer Removal, 12"	Ft.	100		
* 56100600	Watermain, 6"	Ft.			265
* 56100700	Watermain, 8"	Ft.			537
* 56100800	Watermain, 10"	Ft.			3,218
* 56200200	Water Service Line, 3/4"	Ft.			366
* 56201300	Corporation Stops, 3/4"	Each			54
* 56400500	Fire Hydrant to Be Removed	Each			8
* 56400600	Fire Hydrant	Each			9
* 56500600	Domestic Water Service Boxes To Be Adjusted	Each	5		
60218400	Manhole, Type A, 4' Diameter, Type 1 Frame, Closed Lid	Each	8		
60221100	Manhole, Type A, 5' Diameter, Type 1 Frame, Closed Lid	Each	2		
60226400	Manhole, Drop Type, 4' Diameter, Type 1 Frame, Closed Lid	Each	2		
60255500	Manhole, to Be Adjusted	Each	11		
60255800	Manhole, to Be Adjusted, With Type 1 Frame, Closed Lid	Each	5		
60266910	Valve Box To Be Removed	Each	17		
60500040	Removing Manhole	Each	8		
60500070	Removing Manhole To Maintain Flow	Each	12		
60500080	Removing Catch Basin To Maintain Flow	Each	26		
60610100	Combination Concrete Curb & Gutter, Type M-6.18 (Modified)	Ft.	2,334		
67100100	Mobilization	L.S.	1		
70103700	Traffic Control Complete	L.S.	1		
70300200	Temporary Pavement Marking	Ft.	4,642		
70301000	Work Zone Pavement Marking Removal	S.F.	2,321		
70400100	Temporary Concrete Barrier	Ft.	125		
* 78000100	Thermoplastic Pavement Marking- Letters and Symbols	S.F.	83		

* Specialty Items

LEGEND

	EXISTING DECIDUOUS TREE
	EXISTING EVERGREEN TREE
	EXISTING BUSH
	EXISTING SIGN
	EXISTING DOMESTIC SERVICE VALVE
	EXISTING WATER VALVE
	PROPOSED WATER VALVE
	EXISTING FIRE HYDRANT
	PROPOSED FIRE HYDRANT
	EXISTING GAS VALVE
	EXISTING POWER POLE
	EXISTING LIGHT POLE
	EXISTING TRAFFIC SIGNAL
	EXISTING TRAFFIC SIGNAL MAST ARM
	PROPOSED VIDEO DETECTOR
	EXISTING HANDHOLE
	EXISTING TRAFFIC SIGNAL CONTROLLER
	EXISTING SINGLE CATCH BASIN
	EXISTING DOUBLE CATCH BASIN
	EXISTING SANITARY MANHOLE
	EXISTING SANITARY CLEANOUT
	EXISTING STORM MANHOLE
	EXISTING WATER MANHOLE
	EXISTING TELEPHONE MANHOLE
	EXISTING SANITARY SEWER
	PROPOSED SANITARY SEWER
	EXISTING STORM SEWER
	PROPOSED STORM SEWER
	EXISTING WATER MAIN
	PROPOSED WATER MAIN
	EXISTING GAS MAIN
	EXISTING ELECTRICAL CONDUIT
	EXISTING FIBER OPTIC CONDUIT
	EXISTING TELEPHONE CONDUIT
	EXISTING R.O.W. LINE
	BITUMINOUS SURFACE REMOVAL
	PAVEMENT REMOVAL & PCC BASE COURSE
	PAVEMENT REMOVAL & PCC PAVEMENT
	SIDEWALK REMOVAL & REPLACEMENT
	PCC CURB RAMP
	PCC TEXTURED PAVEMENT & PCC TEXTURED MEDIAN
	PCC DRIVEWAY REMOVAL & REPLACEMENT
	PCC CURB AND GUTTER REMOVAL & REPLACEMENT
	DETECTABLE WARNINGS

85434
L.A. # 06-00180-00-RS
QUANTITIES & LEGEND

CITY OF ROCK ISLAND	
ENGINEERING DIVISION	
24th Street Resurfacing	
18th Avenue to 31st Avenue	
Job Number	Date
2569	April 5, 2007
Computer Drawing Name	By
2569 QtyLog.dwg	mdw
	Sheet
	3
	Of
	38

LIST OF QUANTITIES

Item Number	Description	Units	Construction Type Code Y060		
			I000	Y031-FF	Non Part
* 78000200	Thermoplastic Pavement Marking-Line, 4"	Ft.	930		
* 78301180	Paint Pavement Marking- Line, 24"	Ft.	199		
78300100	Pavement Marking Removal	S.F.	83		
78300105	Pavement Marking Removal	Ft.	956		
* 81306500	Remove Existing Junction Box	Each		3	
LR420125	PCC Pavement, 7", (Special) With Integral Curb	S.Y.	16		
LR420129	PCC Pavement, 8", (Special) With Integral Curb	S.Y.	442		
* X0301709	Cap And Block, 8"	Each			2
* X0320873	Video Vehicle Detector	Each		2	
* X0323172	Ductile Iron Water Main Bend, 45°, 8"	Each			10
* X0323175	Ductile Iron Water Main Bend, 90°, 8"	Each			6
* X0323371	Video Vehicle Detection, 1 Camera	Each		3	
* X0324448	Ductile Iron Water Main Fittings, 10", 45° Bend	Each			2
* X0324930	Ductile Iron Sleeve, 12"	Each			1
* X0324931	Ductile Iron Sleeve, 8"	Each			9
* X0487700	Sanitary Sewer Removal, 10"	Ft.			115
* X0840000	Sanitary Sewer Removal, 8"	Ft.			40
XX002118	Storm Sewer Ductile Iron 12"	Ft.	117		
* XX003526	Ductile Iron Water Main Fitting - 8" X 6" Reducer	Each			5
* XX003583	Video Electric Cable in Conduit, No. 16/3C	Ft.		483	
* XX003584	Video Belden 8281 Coaxial Cable in Conduit	Ft.		483	
* XX005003	Ductile Iron Water Main Fitting - 10" X 6" Tee	Each			8
* XX005005	Ductile Iron Water Main Fitting - 10" X 8" Tee	Each			12
* XX005006	Ductile Iron Water Main Fitting - 10" X 10" Tee	Each			1
* XX005101	Ductile Iron Water Main Fitting - 12" X 10" Tee	Each			1
XX005763	Catch Basin, Double	Each	2		
XX005764	Catch Basin, Single	Each	24		
* XX005787	Ductile Iron Water Main Fittings Tee 8" X 6"	Each			3
* XX006077	Gate Valve And Box, 6"	Each			10
* XX006088	Gate Valve With Box, 12"	Each			1
XX006238	Storm Sewer Ductile Iron 15"	Ft.	21		
* XX006241	Gate Valve And Box, 8"	Each			11
XX006868	PCC Pavement, Textured, Colored, 8"	S.Y.	42		
* Z0056900	Sanitary Sewer, 8"	Ft.			75
* Z0057000	Sanitary Sewer, 10"	Ft.			115
* XX007520	Gate Valve and Box to Be Removed	Each			7
* XX007521	Compression Pipe Coupling, 10"	Each			6
* XX007522	Compression Pipe Coupling, 12"	Each			1
* XX007523	Compression Pipe Coupling, 8"	Each			6
* XX007524	Gate Valve And Box, 10"	Each			24
* XX007525	Lens Adjustment Module	Each		1	
* XX007526	Tapping Sleeve, Tee, Class 350, DIP, MJ, 8"x6"	Each			1
* XX007527	Tapping Sleeve, Tee, Class 350, DIP, MJ, 16"x10"	Each			1
* XX007528	Tapping Sleeve, Tee, Class 350, DIP, MJ, 16"x6"	Each			1
* XX007378	Video Detection, EM2, Extension Modules	Each		2	
XX007530	PCC Base Course, 8", With Integral Curb	S.Y.	3,234		

* Specialty Items

LEGEND

	EXISTING DECIDUOUS TREE
	EXISTING EVERGREEN TREE
	EXISTING BUSH
	EXISTING SIGN
	EXISTING DOMESTIC SERVICE VALVE
	EXISTING WATER VALVE
	PROPOSED WATER VALVE
	EXISTING FIRE HYDRANT
	PROPOSED FIRE HYDRANT
	EXISTING GAS VALVE
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	EXISTING LIGHT POLE
	EXISTING TRAFFIC SIGNAL
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	EXISTING DOUBLE CATCH BASIN
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	EXISTING STORM MANHOLE
	EXISTING WATER MANHOLE
	EXISTING TELEPHONE MANHOLE
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	EXISTING R.O.W. LINE
	BITUMINOUS SURFACE REMOVAL
	PAVEMENT REMOVAL & PCC BASE COURSE
	PAVEMENT REMOVAL & PCC PAVEMENT
	SIDEWALK REMOVAL & REPLACEMENT
	PCC CURB RAMP
	PCC TEXTURED PAVEMENT & PCC TEXTURED MEDIAN
	PCC DRIVEWAY REMOVAL & REPLACEMENT
	PCC CURB AND GUTTER REMOVAL & REPLACEMENT
	DETECTABLE WARNINGS

85434
L.A. # 06-00180-00-RS
QUANTITIES & LEGEND

CITY OF ROCK ISLAND
ENGINEERING DIVISION

24th Street Resurfacing
18th Avenue to 31st Avenue

Job Number	Date
2569	April 5, 2007
Computer Drawing Name	By
2569 QtyLeg.dwg	mdw
Sheet	Of
4	38

20200100 Earth Excavation				20200100 Earth Excavation (Continued)				20800150 Trench Backfill (Continued)				21001000 Geotechnical Fabric for Ground Stabilization (Continued)				21001000 Geotechnical Fabric for Ground Stabilization (Continued)				
No.	Location	From	To	Quantity Unit	No.	Location	From	To	Quantity Unit	No.	Location	From	To	Quantity Unit	No.	Location	From	To	Quantity Unit	
1	31+56, 22.3' Rt	32+21, 22.3' Rt	14.9 C.Y.	117	49+55, 22.5' Rt	49+72.5, 29.7' Rt	1.1 C.Y.	31	46+48.4, 3' Lt	46+48.4, 35' Rt	31.3 CY	75	41+25.3 CL	41+30.9 CL	34.5 S.Y.	191	62+42, 22.5' Lt	62+46, 22.5' Lt	0.4 S.Y.	
2	31+69.6, CL	32+57.4, 2' Lt	11.8 C.Y.	118	49+86, 2' Lt	50+03, 2' Lt	7.5 C.Y.	32	46+88.7, 3' Lt	46+88.7, 3' Rt	2.5 CY	76	41+37.3, 8' Lt	41+45.3, 8' Lt	7.1 S.Y.	192	62+43, 22.5' Rt	62+47, 22.5' Rt	0.4 S.Y.	
3	31+93, 8' Lt	31+9, 8' Lt	1.0 C.Y.	119	50+00, 22.5' Lt	50+24, 22.5' Lt	1.3 C.Y.	33	47+18.9, 7' Lt	47+16, 17.5' Lt	6.1 CY	77	41+41, 23' Rt	41+68, 23' Rt	3.0 S.Y.	193	62+76, 13.7' Lt	62+82, 13.7' Lt	6.9 S.Y.	
4	32+28, 22.5' Lt	32+44, 22.5' Lt	0.9 C.Y.	120	50+13.5, 28.5' Rt	50+34, 22.5' Rt	1.2 C.Y.	34	47+43.8, 3' Lt	47+43.8, 4.6' Rt	3.2 CY	78	41+51.4, 8' Lt	41+76.7, 8' Lt	73.6 S.Y.	194	62+94, 7.8' Lt	63+58, 8.3' Lt	56.1 S.Y.	
5	32+57.4 CL	32+61.4 CL	3.4 C.Y.	121	50+23.4, 2' Lt	50+29.4, 2' Lt	2.5 C.Y.	35	47+90.3, 3' Lt	47+90.3, 4.6' Rt	2.5 CY	79	41+59, 2' Lt	41+67, 2' Lt	7.1 S.Y.	195	63+15.6 CL	63+15.6 CL	41.5 S.Y.	
6	32+57.6, 22.5' Rt	33+01, 22.5' Rt	2.4 C.Y.	122	50+43, 22.5' Lt	50+47, 22.5' Lt	0.2 C.Y.	36	48+43.6, 3' Lt	48+43.6, 4.7' Rt	3.2 CY	80	41+68, 46.5' Lt	43+76, 22' Lt	24.8 S.Y.	196	63+51 CL	63+59 CL	7.1 S.Y.	
7	32+61.4, 2' Lt	32+86, 1.8' Lt	2.7 C.Y.	123	50+56.3, 2' Lt	50+61.3, 2' Lt	0.7 C.Y.	37	48+93.4, 3' Lt	48+93.4, 4.7' Rt	3.2 CY	81	41+75, 2' Lt	42+13, 2' Lt	108.9 S.Y.	197	63+58, 1.8' Rt	63+67, 2' Rt	7.1 S.Y.	
8	32+86 CL	32+86.5 CL	3.9 C.Y.	124	50+99, 22.5' Lt	50+75, 22.5' Lt	0.9 C.Y.	38	49+44, 3' Lt	49+44, 4.8' Rt	3.3 CY	82	42+13, 18.9' Rt	42+52, 40' Rt	59.2 S.Y.				3,985.7 S.Y.	
9	32+86, 22.5' Lt	32+86.5, 22.5' Lt	0.6 C.Y.	125	50+74, 22.5' Rt	50+99, 22.5' Lt	1.4 C.Y.	39	49+99, 3' Lt	49+84, 48.5' Rt	28.9 CY	83	42+31.1, 2' Lt	42+36.9, 2' Lt	5.9 S.Y.					
10	32+86.5, 2' Lt	33+52.7, 2' Lt	6.3 C.Y.	126	51+00, 2' Lt	51+05.2, 2' Lt	0.7 C.Y.	40	50+29.4, 3' Lt	50+29.4, 30.8' Rt	17.4 CY	84	42+40.4, 50' Rt	42+53, 50.8' Rt	21.7 S.Y.					
11	33+52.7, 2' Lt	33+53.5, 22.5' Lt	0.3 C.Y.	127	51+07, 22.5' Lt	51+05.2, 2' Lt	0.2 C.Y.	41	50+58.8, 8' Lt	50+58.8, 4.8' Rt	3.3 CY	85	42+54.3, 36.3' Rt	42+81, 23' Rt	3.8 S.Y.					
12	33+52.7, 2' Lt	33+56.7 CL	1.5 C.Y.	128	51+26, 22.5' Rt	51+30, 22.5' Rt	0.2 C.Y.	42	51+02.7, 3' Lt	51+02.7, 4.7' Rt	3.2 CY	86	44+21, 22' Lt	44+30, 22' Lt	1.0 S.Y.					
13	33+52.7, 22.3' Lt	34+86, 22.4' Lt	38.0 C.Y.	129	51+43, 22.8' Rt	52+11, 22.8' Rt	3.8 C.Y.	43	51+53.7, 3' Lt	51+53.7, 4.7' Rt	3.2 CY	87	44+53, 22' Lt	44+60, 22' Lt	0.8 S.Y.					
14	33+56.7, 2' Lt	34+27.2, 2' Lt	7.8 C.Y.	130	51+51.2, 2' Lt	51+56.2, 2' Lt	0.7 C.Y.	44	52+07.7, 3' Lt	52+07.7, 5.1' Rt	3.4 CY	88	44+73, 23.2' Rt	44+01, 23.2' Rt	3.1 S.Y.					
15	33+75.8, 22.5' Rt	33+79.8, 22.5' Rt	0.2 C.Y.	131	52+05.2, 2' Lt	52+10.2, 2' Lt	0.8 C.Y.	45	52+52.4, 3' Lt	52+52.4, 5.1' Rt	3.4 CY	89	44+73.2, 2' Lt	44+78.2, 2' Lt	4.1 S.Y.					
16	33+84.5, 8' Lt	33+84.5, 8' Lt	1.4 C.Y.	132	52+49.8, 2' Lt	52+54.8, 2' Lt	0.8 C.Y.	46	53+05.4, 12.7' Rt	53+05.4, 12.7' Rt	26.1 CY	90	44+76, 22' Lt	45+11, 22' Lt	3.9 S.Y.					
17	34+20.7, 22.5' Rt	34+29.2, 22.5' Rt	0.5 C.Y.	133	52+76, 22.5' Lt	53+61, 22.5' Lt	4.7 C.Y.	47	53+16.4, 3' Lt	53+16.4, 30.8' Rt	18.1 CY	91	45+01.6, 10.1' Rt	45+09.6, 10.1' Rt	7.1 S.Y.					
18	34+31.2 CL	34+31.2 CL	1.5 C.Y.	134	52+80, 22.8' Rt	52+84, 22.8' Rt	0.2 C.Y.	48	53+38.2, 44.5' Rt	53+76.7, 44.5' Rt	21.5 CY	92	45+11.7, 2' Lt	45+16.7, 2' Lt	4.1 S.Y.					
19	34+31.2, 2' Lt	34+63, 2' Lt	3.5 C.Y.	135	53+07, 22.7' Rt	53+35.5, 32' Rt	1.8 C.Y.	49	53+66.7, 12.7' Rt	53+90.7, 12.8' Rt	15.4 CY	93	45+40, 22' Lt	46+73, 27.8' Lt	16.0 S.Y.					
20	34+43, 22.5' Rt	34+47, 22.5' Rt	0.2 C.Y.	136	53+13.4, 2' Lt	53+34.4, 2' Lt	8.7 C.Y.	50	53+78.7, 3' Lt	53+78.7, 46.5' Rt	36.4 CY	94	45+48, 2' Lt	45+53, 2' Lt	4.1 S.Y.					
21	34+63 CL	34+67 CL	1.5 C.Y.	137	53+20, 8' Lt	53+36, 8' Lt	1.6 C.Y.	51	54+46.4, 3' Lt	54+46.4, 4.8' Rt	3.3 CY	95	45+85.7, 2' Lt	45+90.7, 2' Lt	4.2 S.Y.					
22	34+67, 2' Lt	35+35, 2' Lt	7.6 C.Y.	138	53+40.3, 41.5' Rt	53+67.6, 41.5' Rt	3.6 C.Y.	52	55+50.4, 3' Lt	55+50.4, 4.6' Rt	3.2 CY	96	45+92, 23.3' Rt	46+15, 33.8' Rt	3.0 S.Y.					
23	35+30, 22.5' Lt	35+44, 22.5' Lt	0.8 C.Y.	139	53+75.7, 2' Lt	53+81.7, 2' Lt	5.1 C.Y.	53	56+54.6, 12.4' Rt	56+46.7, 12.4' Rt	14.0 CY	97	46+05.7, 8.5' Lt	46+11.7, 8' Lt	8.0 S.Y.					
24	35+35 CL	35+39 CL	1.5 C.Y.	140	53+76.5, 28' Rt	53+99, 22.5' Lt	1.3 C.Y.	54	56+65.5, 3' Lt	56+65.5, 4.7' Rt	36.9 CY	98	46+44.5, 51.5' Rt	46+44.7, 47.5' Rt	0.4 S.Y.					
25	35+35, 22.5' Rt	35+39, 22.5' Rt	0.2 C.Y.	141	53+88.3, 12.5' Lt	53+96.3, 12.5' Lt	1.2 C.Y.	55	56+72.4, 7' Lt	56+88.3, 60.6' Rt	33.5 CY	99	46+45.5, 2' Lt	46+51.5, 2' Lt	24.9 S.Y.					
26	35+39, 2' Lt	35+97, 2' Lt	6.4 C.Y.	142	53+94, 22.5' Lt	54+05, 22.5' Lt	0.6 C.Y.	56	57+13.6, 22' Lt	57+13.6, 32.7' Rt	16.4 CY	100	46+51, 31.2' Rt	46+70, 23' Rt	2.3 S.Y.					
27	35+54, 22.5' Rt	35+58, 22.5' Rt	0.2 C.Y.	143	54+21, 22.5' Lt	54+46, 33.3' Lt	1.7 C.Y.	57	57+31.1, 7' Lt	57+31.1, 19.2' Lt	7.0 CY	101	46+86.2, 2' Lt	46+91.2, 2' Lt	3.4 S.Y.					
28	35+97 CL	36+01 CL	1.5 C.Y.	144	54+44, 2' Lt	54+49, 2' Lt	0.7 C.Y.	58	57+40.9, 7' Lt	57+40.9, 19.3' Lt	5.1 CY	102	47+12, 2' Lt	47+20, 2' Lt	7.1 S.Y.					
29	36+00, 22.5' Lt	36+50, 22.5' Lt	0.0 C.Y.	145	54+73.3, 33.8' Lt	54+91, 22' Lt	1.3 C.Y.	59	57+49.3, 7' Lt	57+49.3, 20.3' Lt	6.5 CY	103	47+13, 8' Lt	47+22, 8' Lt	10.4 S.Y.					
30	36+01, 2' Lt	36+25, 2' Lt	2.8 C.Y.	146	55+27, 22.5' Lt	55+31, 22.5' Lt	0.2 C.Y.	60	58+69.7, 7' Lt	58+69.7, 20.3' Lt	5.5 CY	104	47+17, 27.7' Lt	48+52, 22.5' Lt	16.2 S.Y.					
31	36+08, 22.5' Rt	36+12, 22.5' Rt	0.2 C.Y.	147	55+48, 2' Lt	55+53, 2' Lt	0.7 C.Y.	61	59+05.1, 7' Lt	59+05.1, 20.5' Lt	5.2 CY	105	47+41.3, 2' Lt	47+46.3, 2' Lt	4.2 S.Y.					
32	36+26 CL	36+30 CL	1.5 C.Y.	148	56+00, 22.5' Lt	56+27, 22.5' Lt	1.5 C.Y.	62	59+51.7, 7' Lt	59+51.7, 20.4' Lt	5.8 CY	106	47+46.5, 22.8' Rt	47+67, 22.8' Rt	2.2 S.Y.					
33	36+30, 2' Lt	37+77, 2' Lt	16.3 C.Y.	149	56+10, 22.5' Rt	56+14, 22.5' Rt	0.2 C.Y.	63	59+82.6, 11.6' Rt	60+33.1, 1.7' Rt	31.8 CY	107	47+87.8, 2' Lt	47+92.8, 2' Lt	4.2 S.Y.					
34	36+30, 22.5' Rt	36+34, 22.5' Rt	0.2 C.Y.	150	56+36, 22.5' Lt	56+40, 22.5' Lt	0.2 C.Y.	64	59+94.6, 3' Lt	59+94.6, 37.4' Rt	16.8 CY	108	47+93, 22.8' Rt	47+97, 22.8' Rt	0.4 S.Y.					
35	36+74.8, 8' Lt	36+78.6, 8' Lt	1.0 C.Y.	151	56+46, 23' Rt	56+82.3, 28.5' Rt	1.1 C.Y.	65	60+21.1, 3' Lt	60+13.4, 46.2' Rt	28.5 CY	109	48+29, 22.8' Rt	48+33, 22.8' Rt	0.4 S.Y.					
36	36+78, 22.5' Rt	37+03.5, 51.5' Rt	2.6 C.Y.	152	56+52, 22.5' Lt	56+75, 34.5' Lt	1.5 C.Y.	66	61+90, 8' Lt	61+90, 6.8' Rt	6.2 CY	110	48+41, 2' Lt	48+46, 2' Lt	4.3 S.Y.					
37	36+93, 22.5' Lt	36+97, 22.5' Lt	0.2 C.Y.	153	56+63.6, 2' Lt	56+68.6, 2' Lt	9.3 C.Y.	67	62+78.9, 16.6' Lt	62+78.9, 28.5' Lt	7.0 CY	111	48+48, 22.7' Lt	48+68, 22.7' Lt	2.2 S.Y.					
38	36+99 CL	37+03 CL	0.7 C.Y.	154	56+69.4, 8' Lt	56+75.4, 8' Lt	2.1 C.Y.				2,490.0 CY	112	48+75.5, 22.5' Lt	49+10.5, 22.5' Lt	3.9 S.Y.					
39	37+03.6, 51.5' Rt	37+28.4, 50.8' Rt	5.5 C.Y.	155	56+73.5, 3' Rt	56+77.5, 3' Rt	0.3 C.Y.	21001000	Geotechnical Fabric for Ground Stabilization			113	48+81, 2' Lt	48+86, 2' Lt	4.3 S.Y.					
40	37+16, 8' Lt	37+21.1, 8' Lt	0.8 C.Y.	156	56+76.6, 43.5' Lt	56+91.5, 43.5' Lt	2.0 C.Y.	No.	Location	From	To	Quantity Unit	114	48+82.2, 8.5' Lt	49+00.2, 8.5' Lt	7.1 S.Y.				
41	37+17, 22.5' Lt	37+35, 22.5' Lt	1.0 C.Y.	157	56+84.5, 5.5' Rt	56+88.5, 5.5' Rt	0.3 C.Y.	1	31+56, 22.3' Rt	32+21, 22.3' Rt	14.9 C.Y.	115	49+27, 22.5' Lt	49+31, 22.5' Lt	0.4 S.Y.					
42	37+32.5, 2' Lt	37+52.7, 2' Lt	10.7 C.Y.	158	56+87.8, 1.3' Lt	56+91.8, 1.3' Lt	0.3 C.Y.	2	31+69.6, CL	32+57.4, 2' Lt	70.8 S.Y.	116	49+41.5, 2' Lt	49+46.5, 2' Lt	4.4 S.Y.					
43	37+44, 22.5' Lt	38+33, 22.5' Lt	4.9 C.Y.	159	56+99, 37.5' Rt	57+30, 22.5' Rt	2.1 C.Y.	3	31+93, 8' Lt	31+9, 8' Lt	6.2 S.Y.	117	49+55, 22.5' Rt	49+72.5, 29.7' Rt	2.2 S.Y.					
44	37+52.7, 22.7' Rt	37+62.7, 22.7' Rt	0.6 C.Y.	160	57+00.3, 34.3' Lt	57+43.5, 22.5' Lt	2.7 C.Y.	4	32+28, 22.5' Lt	32+44, 22.5' Lt	1.8 C.Y.	118	49+66, 2' Lt	50+03, 2' Lt	44.9 S.Y.					
45	37+60.3, 2' Lt	37+65.3, 2' Lt	0.6 C.Y.	161	57+04.8, 13.5' Lt	57+12.8, 13.5' Lt	1.2 C.Y.	5	32+57.4 CL	32+61.4 CL	20.4 S.Y.	119	50+00, 22.5' Lt	50+24, 22.5' Lt	2.7 S.Y.					
46	37+77 CL	37+84 CL	1.3 C.Y.	162	57+10.6, 2' Lt	57+16.6, 2' Lt	2.6 C.Y.	6	32+57.4 CL	33+01, 22.5' Rt	4.8 S.Y.	120	50+13.5, 28.5' Rt	50+34, 22.5' Rt	2.4 S.Y.					
47	37+82.6, 12.4' Lt	37+90.8, 12.4' Lt	1.2 C.Y.	163	57+24.1, 2' Lt	57+32.1, 2' Lt	1.2 C.Y.	7	32+57.4 CL	33+01, 22.5' Rt	4.8 S.Y.	121	50+23.4, 2' Lt	50+29.4, 2' Lt	16.2 S.Y.					
48	37+84 CL	37+88 CL	0.7 C.Y.	164	57+28.1, 8' Lt	57+43.4, 8' Lt	3.5 C.Y.	8	32+57.5, 22.5' Rt	33+01, 22.5' Rt	4.8 S.Y.	122	50+43, 22.5' Lt	50+47, 22.5' Lt	0.4 S.Y.					
49	37+84, 2' Lt	38+41, 2' Lt	6.3 C.Y.	165	57+57, 22.5' Lt	57+81, 22.5' Lt	1.3 C.Y.	9	32+57.5, 22.5' Rt	32+86, 1.8' Lt	16.3 S.Y.	123	50+43, 22.5' Lt	50+47, 22.5' Lt	4.3 S.Y.					
50	38+20, 22.7' Rt	38+37, 22.7' Rt	0.9 C.Y.	166	57+89.8, 8' Lt	57+91.8, 8' Lt	1.3 C.Y.	10	32+57.5, 22.5' Rt	32+86.5, 2' Lt	23.3 S.Y.	124	50+58.8, 22.5' Lt	50+75, 22.5' Lt	1.8 S.Y.					
51	38+41 CL	38+45 CL	1.5 C.Y.	167	57+97, 22.8' Rt	58+01, 22.8' Rt	0.2 C.Y.	11	32+57.5, 22.											

25200100 Sodding			28000500 Intel Protection			35100100 Aggregate Base Course, Type A (Continued)			40600100 Bituminous Materials (Prime Coat)		
No.	Location	Quantity Unit	No.	Location	Quantity Unit	No.	Location	Quantity Unit	No.	Location	Quantity Unit
1	31+45, 27.4' Lt	1.1 S.Y.	2	32+90.5, 22.5' Rt	1 Each	88	44+73, 23.2' Rt	1.1 Ton	1	31+40 CL	323.4 Gal
2	31+56, 22.3' Rt	23.5 S.Y.	3	41+18, 21.7' Lt	1 Each	89	44+73.2, 2' Lt	1.4 Ton			
3	31+60.6, 30' Lt	14.7 S.Y.	4	41+43, 45.4' Lt	1 Each	90	44+76, 22' Lt	1.4 Ton			
4	32+01.2, 42' Rt	35.4 S.Y.	5	41+64, 23.2' Rt	1 Each	91	45+01.5, 10.1' Rt	2.5 Ton			
5	32+20.7, 40' Lt	7.5 S.Y.	6	41+68.4, 40' Lt	1 Each	92	45+11.7, 2' Lt	1.4 Ton			
6	32+55.4, 22.4' Rt	10.6 S.Y.	7	41+62.7, 21.7' Lt	1 Each	93	45+40, 22' Lt	5.3 Ton			
7	33+28.4, 27.5' Lt	124.5 S.Y.	8	42+27, 41.5' Rt	1.5 Ton	94	45+48, 2' Lt	1.5 Ton			
8	33+98.2, 22.4' Rt	2.3 S.Y.	9	42+53.7, 42.6' Rt	1.5 Ton	95	45+85.7, 2' Lt	1.5 Ton			
9	34+10, 31' Rt	3.6 S.Y.	10	42+70.5, 24' Rt	1 Each	96	45+92, 23.3' Rt	1.1 Ton			
10	34+30, 63' Lt	8.4 S.Y.	11	46+53, 23.9' Rt	1 Each	97	46+05.7, 8.6' Lt	2.8 Ton			
11	34+34, 55.2' Lt	113.7 S.Y.	12	47+32, 22' Lt	1 Each	98	46+44.5, 51.5' Rt	0.2 Ton			
12	34+41, 22.5' Rt	1.8 S.Y.	13	49+76.6, 46.7' Rt	1 Each	99	46+45.5, 2' Lt	8.7 Ton			
13	35+33, 22.6' Rt	1.8 S.Y.	14	50+05, 47.4' Rt	1 Each	100	46+51.5, 2' Lt	0.8 Ton			
14	35+51.4, 27' Lt	15.7 S.Y.	15	50+30.5, 22.5' Rt	1 Each	101	46+70, 23' Lt	1.2 Ton			
15	35+52, 22.6' Rt	1.8 S.Y.	16	50+31, 22.4' Lt	1 Each	102	47+12, 2' Lt	2.5 Ton			
16	36+05, 22.5' Rt	1.8 S.Y.	17	53+27.5, 25.9' Rt	1 Each	103	47+13, 8' Lt	3.8 Ton			
17	36+28, 22.5' Rt	1.8 S.Y.	18	53+30.8, 22.4' Lt	1 Each	104	47+17, 27' Lt	5.3 Ton			
18	36+78, 22.3' Rt	63.1 S.Y.	19	53+68.8, 47.7' Rt	1 Each	105	47+41.3, 2' Lt	1.5 Ton			
19	37+28, 78' Rt	89.4 S.Y.	20	53+83, 22.6' Rt	0.8 Ton	106	47+46.5, 22.6' Rt	0.8 Ton			
20	37+31.6, 27.6' Lt	51.2 S.Y.	21	57+17.5, 22.3' Lt	1 Each	107	47+87.8, 2' Lt	1.6 Ton			
21	38+18, 22.7' Rt	4.7 S.Y.	22	57+25, 22.7' Lt	1 Each	108	47+97, 22.8' Rt	0.2 Ton			
22	38+40.3, 27.3' Lt	5.3 S.Y.	23	57+45, 8' Lt	1 Each	109	48+29, 22.5' Lt	0.2 Ton			
23	38+64.4, 27.3' Lt	10.2 S.Y.	24	60+53.3, 22.4' Rt	1 Each	110	48+41, 2' Lt	1.5 Ton			
24	38+87, 22.8' Rt	1.7 S.Y.	25	61+17, 22.6' Lt	1 Each	111	48+48, 22.7' Rt	0.8 Ton			
25	39+10, 27.2' Lt	14.1 S.Y.			25 Each	112	48+75.5, 22.6' Lt	1.4 Ton			
26	39+21, 22.8' Rt	6.5 S.Y.				113	48+91, 2' Lt	1.6 Ton			
27	39+47, 27.2' Lt	29.4 S.Y.				114	49+22, 8.9' Lt	2.5 Ton			
28	39+69, 22.6' Rt	2.1 S.Y.				115	49+27, 22.5' Lt	0.2 Ton			
29	39+85, 23' Rt	1.9 S.Y.				116	49+41.5, 2' Lt	1.6 Ton			
30	40+02, 27' Lt	10.8 S.Y.				117	49+55, 22.5' Rt	0.8 Ton			
31	40+20, 23' Rt	1.7 S.Y.				118	49+96, 2' Lt	15.7 Ton			
32	40+35.4, 27.2' Lt	24.1 S.Y.				119	50+00, 22.5' Lt	0.9 Ton			
33	41+13.3, 23' Rt	24.4 S.Y.				120	50+13.5, 28.5' Rt	0.8 Ton			
34	41+25, 27.3' Lt	10.8 S.Y.				121	50+23.4, 2' Lt	5.3 Ton			
35	41+56.7, 33' Rt	56.2 S.Y.				122	50+43, 22.5' Lt	0.2 Ton			
36	42+68, 48' Rt	7.8 S.Y.				123	50+56.3, 2' Lt	1.5 Ton			
37	42+66, 33' Rt	24.1 S.Y.				124	50+75, 22.5' Lt	0.6 Ton			
38	43+80, 28.2' Rt	14.2 S.Y.				125	50+94, 22.5' Lt	1.0 Ton			
39	44+16.8, 27.7' Lt	16.1 S.Y.				126	51+02, 2' Lt	1.5 Ton			
40	44+45.4, 28.2' Rt	6.3 S.Y.				127	51+07, 22.6' Lt	5.7 Ton			
41	44+94, 28.3' Rt	8.3 S.Y.				128	51+30, 22.5' Lt	0.2 Ton			
42	45+07.2, 27' Lt	10.8 S.Y.				129	51+43, 22.8' Rt	1.2 Ton			
43	45+24.2, 28.3' Rt	8.9 S.Y.				130	51+51.2, 2' Lt	1.5 Ton			
44	45+45.7, 27' Lt	24.7 S.Y.				131	52+05.2, 2' Lt	1.8 Ton			
45	46+04.9, 26.3' Rt	6.9 S.Y.				132	52+49.2, 2' Lt	1.9 Ton			
46	46+09.3, 28.3' Rt	6.4 S.Y.				133	52+76, 22.5' Lt	3.3 Ton			
47	46+34, 27.2' Lt	10.8 S.Y.				134	52+80, 22.8' Rt	0.2 Ton			
48	46+44.3, 59' Rt	32.6 S.Y.				135	53+16.3, 22.5' Lt	1.5 Ton			
49	47+03, 28' Rt	14.4 S.Y.				136	53+34.4, 2' Lt	18.2 Ton			
50	47+17, 27.7' Lt	20.0 S.Y.				137	53+39, 8' Lt	3.4 Ton			
51	47+32, 27' Lt	24.9 S.Y.				138	53+40.3, 41.6' Rt	7.6 Ton			
52	48+28.4, 28.3' Rt	3.7 S.Y.				139	53+75, 2' Lt	10.7 Ton			
53	48+61, 28.2' Rt	6.3 S.Y.				140	53+89, 22.5' Rt	0.9 Ton			
54	48+78, 27.8' Lt	1.8 S.Y.				141	53+88.3, 12.9' Lt	2.5 Ton			
55	48+97, 27.8' Rt	0.7 S.Y.				142	53+94, 22.5' Lt	0.4 Ton			
56	49+07, 27.6' Lt	16.0 S.Y.				143	54+21, 22.5' Lt	1.2 Ton			
57	49+23, 27.7' Rt	28				144	54+44, 2' Lt	1.5 Ton			
58	49+40.3, 27.6' Rt	8.8 S.Y.				145	54+73, 33.6' Lt	0.9 Ton			
59	49+71.6, 28.7' Rt	8.9 S.Y.				146	55+27, 22.5' Lt	0.2 Ton			
60	49+77.3, 27.5' Lt	5.6 S.Y.				147	55+48, 2' Lt	1.5 Ton			
61	50+06, 33.6' Rt	3.0 S.Y.				148	56+00, 22.5' Lt	1.1 Ton			
62	50+17, 28.9' Lt	20.4 S.Y.				149	56+14, 22.5' Rt	0.2 Ton			
63	50+21, 31.4' Rt	6.5 S.Y.				150	56+36, 22.5' Lt	0.2 Ton			
64	50+54, 27.6' Rt	6.2 S.Y.				151	56+45, 23' Rt	0.7 Ton			
65	51+18.3, 27.7' Rt	6.5 S.Y.				152	56+52, 22.5' Lt	1.1 Ton			
66	51+38, 27.5' Lt	13.3 S.Y.				153	56+63, 2' Lt	19.5 Ton			
67	51+63, 27.7' Rt	6.3 S.Y.				154	56+69.4, 8' Lt	4.3 Ton			
68	51+81.2, 29.9' Rt	5.1 S.Y.				155	56+73.5, 3' Rt	0.6 Ton			
69	52+36, 27.6' Lt	10.1 S.Y.				156	56+76.5, 43.5' Lt	4.2 Ton			
70	52+02.7, 27.7' Rt	7.3 S.Y.				157	56+84.5, 5.9' Rt	0.6 Ton			
71	52+44, 28' Rt	22.3 S.Y.				158	56+87.8, 1.3' Lt	0.6 Ton			
72	52+46, 27.5' Lt	5.9 S.Y.				159	56+90, 37.5' Rt	1.5 Ton			
73	52+70, 27.3' Lt	4.7 S.Y.				160	57+00.3, 34.8' Lt	1.8 Ton			
74	52+86, 26.3' Lt	10.6 S.Y.				161	57+04.8, 13.9' Lt	2.5 Ton			
75	53+01.8, 28.4' Rt	15.7 S.Y.				162	57+06, 27' Lt	5.9 Ton			
76	53+40.6, 27.5' Lt	1.3 S.Y.				163	57+24.1, 2' Lt	2.5 Ton			
77	53+56.8, 27.6' Lt	1.6 S.Y.				164	57+28.1, 8' Lt	7.3 Ton			
78	53+66.7, 53.4' Rt	22.7 S.Y.				165	57+29, 22.5' Lt	0.9 Ton			
79	53+81.6, 53' Rt	25.1 S.Y.				166	57+36.8, 8' Lt	2.8 Ton			
80	54+02, 27.3' Lt	15.2 S.Y.				167	57+37, 22.8' Rt	0.2 Ton			
81	54+64.4, 27.8' Rt	8.5 S.Y.				168	58+10, 22.5' Lt	1.5 Ton			
82	54+71.5, 39.6' Lt	1.5 S.Y.				169	58+67.2, 7' Lt	2.4 Ton			
83	54+81.5, 28' Lt	21.1 S.Y.				170	59+03.6, 8' Lt	2.4 Ton			
84	55+57.8, 27.5' Lt	12.6 S.Y.				171	59+08.5, 22.5' Lt	0.2 Ton			
85	56+03, 27.5' Lt	2.3 S.Y.				172	59+26, 22.5' Lt	3.1 Ton			
86	56+21.5, 27.5' Lt	16.6 S.Y.				173	59+78, 2' Lt	16.3 Ton			
87	56+43, 28' Rt	3.9 S.Y.				174	59+82, 22.2' Lt	0.2 Ton			
88	56+52.3, 28.6' Rt	14.8 S.Y.				175	59+88, 22.5' Lt	1.0 Ton			
89	56+75.2, 34.6' Lt	4.2 S.Y.				176	59+95, 27.8' Rt	0.6 Ton			
90	56+99, 40.8' Rt	8.5 S.Y.				177	59+99, 2' Lt	10.0 Ton			
91	57+08, 52.3' Lt	3.7 S.Y.				178	59+97.6, 7.5' Rt	5.5 Ton			
92	57+06.6, 52.2' Lt	11.8 S.Y.				179	60+13, 28' Lt	2.2 Ton			
93	57+11.7, 39' Rt	14.6 S.Y.				180	60+18.1, 2' Lt	16.3 Ton			
94	57+38, 27.4' Lt	7.3 S.Y.				181	60+34, 28.3' Rt	0.9 Ton			
95	57+68, 27.8' Rt	15.5 S.Y.				182	60+83, 22.5' Lt	0.2 Ton			
96	57+77.8, 27.4' Lt	7.7 S.Y.				183	61+38, 22.8' Lt	1.7 Ton			
97	58+06.6, 27.7' Rt	28.5 S.Y.				184	61+43.6, 22.8' Lt	5.7 Ton			
98	58+02.3, 27.5' Lt	4.6 S.Y.				185	61+46, 22.5' Rt	0.8 Ton			
99	59+10, 27.6' Lt	18.1 S.Y.				186	61+46, 6.8' Rt	2.5 Ton			
100	59+71.5, 27.7' Lt	3.0 S.Y.				187	61+82, 7' Lt	2.3 Ton			
101	59+62, 28' Rt	9.0 S.Y.				188	61+88, 27.7' Lt	0.2 Ton			
102	60+14, 27' Lt	11.1 S.Y.				189	62+24, 22.5' Lt	0.2 Ton			
103	60+28.3, 36.2' Rt	4.7 S.Y.				190	62+31, 22.5' Rt				

44000100 Pavement Removal Location				44000200 Driveway Pavement Removal Location				44000500 Combination Curb & Gutter Removal (Continued) Location				56100800 Watermain, 10" Location				56201300 Corporation Stops, 4" (Continued) Location			
No.	From	To	Quantity Unit	No.	From	To	Quantity Unit	No.	From	To	Quantity Unit	No.	From	To	Quantity Unit	No.	From	To	Quantity Unit
1	31+56, 22.3' Rt	32+21, 22.3' Rt	89.3 S.Y.	1	31+42.8, 22.5' Lt	31+67, 22.5' Lt	14.3 S.Y.	84	60+83, 22.7' Lt	60+87, 22.7' Lt	4.0 Fl.	1	31+52.4, 5' Lt	63+55, 11.3' Lt	3,204.5 Ft	52	61+27.3, 5' Lt		1 Each
2	31+68.8, CL	32+57.4, 2' Lt	70.8 S.Y.	2	32+10.2, 22.5' Lt	32+33.6, 22.5' Lt	23.4 S.Y.	85	61+38, 22.5' Lt	61+80.5, 22.5' Lt	42.5 Fl.	2	57+31.1, 5' Lt	57+31.1, 18' Lt	13.0 Ft	53	61+86.6, 5' Lt		1 Each
3	31+93, 8' Lt	31+9, 8' Lt	6.2 S.Y.	3	34+00.5, 22.5' Rt	34+22.7, 22.5' Rt	14.3 S.Y.	86	61+46, 22.5' Lt	61+66.5, 22.5' Rt	20.5 Fl.				3,217.5 Ft	54	61+90, 5' Lt		1 Each
4	32+57.4, CL	32+61.4, CL	20.4 S.Y.	4	35+02.8, 22.5' Lt	35+56.2, 22.5' Lt	53.1 S.Y.	87	61+98, 22.7' Lt	62+02, 22.7' Lt	4.0 Fl.								
5	32+61.4, 2' Lt	32+86, 1.8' Lt	16.3 S.Y.	5	36+30, 22.5' Lt	36+50, 22.5' Lt	9.8 S.Y.	88	62+20, 22.5' Lt	62+24, 22.5' Lt	4.0 Fl.								
6	32+86, CL	32+96.5, CL	23.3 S.Y.	6	37+16, 22.5' Lt	37+34.8, 22.5' Lt	18.2 S.Y.	89	62+31, 22.5' Lt	62+35, 22.5' Lt	4.0 Fl.								
7	32+96.5, 2' Lt	33+52.7, 2' Lt	37.6 S.Y.	7	38+01.4, 22.3' Lt	38+12.3, 22.3' Lt	16.7 S.Y.	90	62+42, 22.5' Lt	62+46, 22.5' Lt	4.0 Fl.								
8	33+52.4, CL	33+56.7, CL	8.9 S.Y.	8	39+26.6, 22.2' Lt	39+49.6, 22.2' Lt	16.8 S.Y.	91	62+43, 22.5' Rt	62+47, 22.5' Rt	4.0 Fl.								
9	33+52.7, 22.3' Lt	34+95, 22.4' Lt	227.8 S.Y.	9	39+44.2, 22.8' Rt	39+65.8, 22.8' Rt	13.5 S.Y.				2,333.5 Ft								
10	33+56.7, 2' Lt	34+27.2, 2' Lt	47.0 S.Y.	10	40+16, 22' Lt	40+38.4, 22' Lt	15.7 S.Y.												
11	33+78.5, 8' Lt	33+84.5, 8' Lt	8.2 S.Y.	11	40+79, 22' Lt	41+14, 22' Lt	33.5 S.Y.												
12	34+27.2, CL	34+31.2, CL	8.9 S.Y.	12	41+42.4, 23.2' Rt	41+62.8, 23.2' Rt	11.0 S.Y.												
13	34+31.2, 2' Lt	34+63, 2' Lt	21.2 S.Y.	13	44+77.6, 22' Lt	45+10.5, 22' Lt	22.4 S.Y.												
14	34+63, CL	34+67, CL	8.9 S.Y.	14	44+78.4, 23.2' Rt	45+00.6, 23.2' Rt	11.6 S.Y.												
15	34+67, 2' Lt	35+35, 2' Lt	45.3 S.Y.	15	47+46.4, 23' Rt	47+67, 23' Rt	9.5 S.Y.												
16	35+35, CL	35+39, CL	8.9 S.Y.	16	48+47.4, 22.7' Rt	48+65.7, 22.8' Rt	8.1 S.Y.												
17	35+39, 2' Lt	35+97, 2' Lt	38.7 S.Y.	17	48+83.6, 22.6' Lt	49+08.7, 22.7' Lt	17.6 S.Y.												
18	35+97, CL	36+01, CL	8.8 S.Y.	18	50+03.8, 22.5' Lt	50+23, 22.5' Lt	11.1 S.Y.												
19	36+01, 2' Lt	36+26, 2' Lt	16.7 S.Y.	19	51+16.3, 22.6' Lt	51+40, 22.6' Lt	17.5 S.Y.												
20	36+26, CL	36+30, CL	8.9 S.Y.	20	51+83.7, 22.5' Lt	52+01.7, 22.5' Lt	11.0 S.Y.												
21	36+30, 2' Lt	37+77, 2' Lt	88.0 S.Y.	21	52+32.7, 22.6' Lt	52+49.6, 22.5' Lt	10.2 S.Y.												
22	36+74.6, 8' Lt	36+79.6, 8' Lt	5.9 S.Y.	22	52+82.3, 22.5' Lt	53+03.7, 22.5' Lt	12.3 S.Y.												
23	36+99, CL	37+03, CL	4.4 S.Y.	23	53+40.5, 22.5' Lt	53+60, 22.5' Lt	12.0 S.Y.												
24	37+03.6, 51.5' Rt	37+28.4, 50.6' Rt	33.0 S.Y.	24	58+06.4, 22.5' Lt	58+24.7, 22.5' Lt	11.5 S.Y.												
25	37+16, 8' Lt	37+21.1, 8' Lt	5.1 S.Y.	25	57+58, 22.3' Lt	57+81, 22.5' Lt	15.4 S.Y.												
26	37+32.5, 2' Lt	37+52.7, 2' Lt	64.0 S.Y.	26	58+23, 22.5' Lt	58+46.3, 22.5' Lt	18.6 S.Y.												
27	37+60.3, 2' Lt	37+65.3, 2' Lt	3.3 S.Y.	27	58+64.2, 22.6' Lt	58+95.4, 22.6' Lt	25.0 S.Y.												
28	37+77, CL	37+84, CL	7.8 S.Y.	28	60+48.2, 22.8' Lt	60+66.46, 22.8' Lt	11.4 S.Y.												
29	37+82.8, 12.4' Lt	37+90.8, 12.4' Lt	7.1 S.Y.				467.8 S.Y.												
30	37+84, CL	37+88, CL	4.4 S.Y.																
31	37+84, 2' Lt	38+41, 2' Lt	38.0 S.Y.																
32	38+41, CL	38+45, CL	8.9 S.Y.																
33	38+45, 2' Lt	39+05, 2' Lt	40.0 S.Y.																
34	38+67.7, 2' Lt	38+72.7, 2' Lt	4.2 S.Y.																
35	39+05, CL	39+09, CL	8.9 S.Y.																
36	39+09, 2' Lt	39+79, 2' Lt	46.7 S.Y.																
37	39+79, CL	39+80, 2' Lt	4.2 S.Y.																
38	39+79, CL	39+87.4, CL	15.4 S.Y.																
39	39+87.4, 2' Lt	40+67.1, 2' Lt	53.1 S.Y.																
40	40+67.1, CL	40+72.1, CL	11.1 S.Y.																
41	40+72.1, 2' Lt	62+93.8, 7.8' Lt	1497.9 S.Y.																
42	40+74.8, 12.8' Lt	40+81.8, 12.8' Lt	5.4 S.Y.																
43	41+09.4, 2' Lt	41+14.4, 2' Lt	4.2 S.Y.																
44	41+25.3, CL	41+30.9, CL	34.5 S.Y.																
45	41+37.3, 8' Lt	41+45.3, 8' Lt	7.1 S.Y.																
46	41+51.4, 8' Lt	41+76.7, 8' Lt	73.6 S.Y.																
47	41+59, 2' Lt	41+67, 2' Lt	7.1 S.Y.																
48	41+75, 2' Lt	42+13, 2' Lt	108.9 S.Y.																
49	42+13, 18.9' Rt	42+52, 40' Rt	59.2 S.Y.																
50	42+31.1, 2' Lt	42+36.9, 2' Lt	5.9 S.Y.																
51	42+40.4, 50' Rt	42+53, 50.6' Rt	21.7 S.Y.																
52	44+73.2, 2' Lt	44+78.2, 2' Lt	4.1 S.Y.																
53	45+01.6, 10.1' Rt	45+09.6, 10.1' Rt	7.1 S.Y.																
54	45+11.7, 2' Lt	45+16.7, 2' Lt	4.1 S.Y.																
55	45+48, 2' Lt	45+53, 2' Lt	4.2 S.Y.																
56	45+85.7, 8' Lt	45+90.7, 8' Lt	4.2 S.Y.																
57	46+05.7, 8.5' Lt	46+11.7, 8.5' Lt	8.0 S.Y.																
58	46+15.5, 2' Lt	46+51.5, 2' Lt	24.9 S.Y.																
59	46+85.2, 2' Lt	46+91.2, 2' Lt	3.4 S.Y.																
60	47+12, 2' Lt	47+20, 2' Lt	7.1 S.Y.																
61	47+13, 8' Lt	47+22, 8' Lt	10.4 S.Y.																
62	47+41.3, 2' Lt	47+46.3, 2' Lt	4.2 S.Y.																
63	47+87.8, 2' Lt	47+92.8, 2' Lt	4.2 S.Y.																
64	48+41, 2' Lt	48+46, 2' Lt	4.3 S.Y.																
65	48+91, 2' Lt	48+96, 2' Lt	4.3 S.Y.																
66	48+92.2, 8.5' Lt	49+00.2, 8.5' Lt	7.1 S.Y.																
67	49+41.5, 2' Lt	49+46.5, 2' Lt	4.4 S.Y.																
68	49+96, 2' Lt	50+03, 2' Lt	44.9 S.Y.																
69	50+23.4, 2' Lt	50+29.4, 2' Lt	15.2 S.Y.																
70	50+56.3, 2' Lt	50+61.3, 2' Lt	4.3 S.Y.																
71	51+00.2, 2' Lt	51+05.2, 2' Lt	4.3 S.Y.																
72	51+51.2, 2' Lt	51+56.2, 2' Lt	4.3 S.Y.																
73	52+05.2, 2' Lt	52+10.2, 2' Lt	4.5 S.Y.																
74	52+49.8, 2' Lt	52+54.8, 2' Lt	4.5 S.Y.																
75	53+13.4, 2' Lt	53+34.4, 2' Lt	52.0 S.Y.																
76	53+29, 8' Lt	53+36, 8' Lt	9.6 S.Y.																
77	53+40.3, 41.5' Rt	53+67.6, 41.5' Rt	21.8 S.Y.																
78	53+75.7, 2' Lt	53+81.7, 2' Lt	30.7 S.Y.																
79	53+88.3, 12.5' Lt	53+96.3, 12.5' Lt	7.1 S.Y.																
80	54+44, 2' Lt	54+49, 2' Lt	4.3 S.Y.																
81	54+49, 2' Lt	55+53, 2' Lt	4.2 S.Y.																
82	56+63.6, 2' Lt	56+69.6, 2' Lt	55.8 S.Y.																
83	56+69.4, 8' Lt	56+75.4, 8' Lt	12.4 S.Y.																
84	56+73.5, 3' Rt	56+77.5, 3' Rt	1.8 S.Y.																

No.	Location	Quantity	Unit
1	32x27, Lt	1	Each
2	33x76, 17.7' Lt	1	Each
3	33x151, 20.8' Lt	1	Each
4	33x243, 17.7' Lt	1	Each
5	37x47, 18.4' Rt	1	Each
6	41x30, 30.1' Rt	1	Each
7	41x73.5, 8' Rt	1	Each
8	42x94, 4.3' Rt	1	Each
9	46x64, 19.3' Lt	1	Each
10	50x24, 19.8' Rt	1	Each
11	53x18.4, 19.1' Rt	1	Each
12	53x36, 2, 8.2' Rt	1	Each
13	56x75.5, 2.9' Rt	1	Each
14	56x88.5, 7.4' Rt	1	Each
15	56x88.7, 6' Rt	1	Each
16	57x14.4, 20.9' Rt	1	Each
17	59x67.7, 6' Rt	17	Each

No.	Location	Quantity	Unit
1	37x42, 4.3' Rt	1	Each
2	41x41.3, 11.5' Lt	1	Each
3	41x63, 2.7' Rt	1	Each
4	47x16, 7' Rt	1	Each
5	57x87.7, 18' Lt	1	Each
6	57x126, 1.3' Rt	1	Each
7	63x54.8, 7' Rt	1	Each
8	63x63, 5.7' Rt	8	Each

No.	Location	Quantity	Unit
1	32x67.5, 18.2' Rt	1	Each
2	40x78.1, 16.5' Lt	1	Each
3	41x63.5, 18.4' Rt	1	Each
4	42x03, 12.1' Rt	1	Each
5	42x04.6, 20.4' Rt	1	Each
6	42x46.6, 62.5' Rt	1	Each
7	42x70.8, 27.3' Rt	1	Each
8	42x86, 12.4' Rt	1	Each
9	53x35, 12.7' Rt	1	Each
10	53x62.4, 17.7' Lt	1	Each
11	56x76.7, 12.4' Rt	1	Each
12	61x30, 10.8' Rt	12	Each

No.	Location	Quantity	Unit
1	32x65, 22.5' Rt	1	Each
2	32x62, 22.8' Lt	1	Each
3	41x18.1, 21.7' Lt	1	Each
4	41x43.1, 45.4' Lt	1	Each
5	41x64.7, 23.2' Rt	1	Each
6	41x68.4, 45.1' Lt	1	Each
7	41x62.7, 21.8' Lt	1	Each
8	42x27, 41.5' Rt	1	Each
9	42x53.7, 42.6' Rt	1	Each
10	42x70.6, 24' Rt	1	Each
11	46x63, 24' Rt	1	Each
12	47x32, 22.1' Lt	1	Each
13	49x79.6, 46.7' Rt	1	Each
14	50x05, 47.4' Rt	1	Each
15	50x35, 22.5' Rt	1	Each
16	52x31, 22.4' Lt	1	Each
17	53x27.6, 25.9' Rt	1	Each
18	53x30.8, 22.4' Lt	1	Each
19	53x68.8, 47.6' Rt	1	Each
20	59x62, 22.7' Rt	1	Each
21	57x17.5, 22.3' Lt	1	Each
22	57x25, 22.7' Rt	1	Each
23	60x37, 22.5' Lt	1	Each
24	60x53, 22.4' Rt	1	Each
25	61x52.5, 22.4' Rt	1	Each
26	61x77.1, 22.8' Lt	26	Each

No.	Location	Quantity	Unit	
1	32x28, 22.5' Lt	16.0	FL	
2	32x37.5, 22.5' Rt	33x01, 22.5' Rt	43.5	FL
3	32x80, 22.5' Lt	32x80.5, 22.5' Lt	10.5	FL
4	33x28.5, 22.5' Lt	33x33.5, 22.5' Lt	5.0	FL
5	33x76, 22.5' Rt	33x80, 22.5' Rt	4.0	FL
6	34x205, 22.5' Rt	34x20, 22.5' Rt	8.5	FL
7	34x43, 22.5' Rt	34x47, 22.5' Rt	4.0	FL
8	35x30, 22.5' Lt	35x46, 22.5' Lt	14.0	FL
9	35x35, 22.5' Rt	35x39, 22.5' Rt	4.0	FL
10	35x54, 22.5' Rt	35x58, 22.5' Rt	4.0	FL
11	36x00, 22.5' Lt	36x50, 22.5' Lt	50.0	FL
12	36x86, 22.5' Rt	36x12, 22.5' Rt	4.0	FL
13	36x92, 22.5' Rt	36x94, 22.5' Rt	4.0	FL
14	36x78, 22.5' Rt	37x03.5, 51.5' Rt	47.0	FL
15	36x63, 22.5' Lt	36x97, 22.5' Lt	4.0	FL
16	37x17, 22.5' Lt	37x35, 22.5' Lt	18.0	FL
17	37x44, 22.5' Lt	38x35, 22.5' Lt	80.0	FL
18	37x52.5, 22.7' Rt	37x62.5, 22.7' Rt	10.0	FL
19	38x20, 22.7' Rt	38x37, 22.7' Rt	17.0	FL
20	38x75, 22.3' Lt	38x09, 22.3' Lt	34.0	FL
21	38x86, 22.7' Rt	38x93, 22.7' Rt	4.0	FL
22	38x18, 22.7' Lt	38x22, 22.7' Lt	4.0	FL
23	38x23, 22.8' Rt	38x67, 22.8' Rt	44.0	FL
24	39x37, 22.2' Lt	39x42, 22.2' Lt	5.0	FL
25	39x67, 22' Lt	39x77, 22' Lt	10.0	FL
26	39x87, 23' Rt	39x91, 23' Rt	4.0	FL
27	40x16, 22' Lt	40x21, 22' Lt	4.0	FL
28	40x22, 23' Rt	40x26, 23' Rt	4.0	FL
29	40x55, 23' Rt	40x59, 23' Rt	4.0	FL
30	40x70, 23' Rt	40x74, 23' Rt	4.0	FL
31	40x78, 22' Lt	41x43, 47' Lt	83.0	FL
32	41x41, 23' Rt	41x46, 23' Rt	27.0	FL
33	41x68, 46.5' Lt	43x76, 22' Lt	223.0	FL
34	42x54.5, 38.3' Rt	42x81, 23' Rt	34.5	FL
35	44x21, 22' Lt	44x30, 22' Lt	9.0	FL
36	44x53, 22' Lt	44x60, 22' Lt	7.0	FL
37	44x73, 23.2' Rt	44x01, 23.2' Rt	28.0	FL

No.	Location	Quantity	Unit	
38	44x76, 22' Lt	45x11, 22' Lt	35.0	FL
39	45x40, 22' Lt	45x47, 22' Lt	135.0	FL
40	45x82, 23.3' Rt	46x15, 33.8' Ft	27.0	FL
41	46x44.5, 51.5' Rt	46x44.5, 47.5' Rt	4.0	FL
42	46x51, 31.2' Rt	46x70, 23' Rt	21.0	FL
43	47x17, 27.7' Lt	48x22, 22.5' Lt	137.0	FL
44	47x46.5, 22.8' Rt	47x67, 22.8' Rt	20.0	FL
45	47x93, 22.8' Rt	47x97, 22.8' Rt	4.0	FL
46	48x29, 22.8' Rt	48x33, 22.8' Rt	4.0	FL
47	48x49, 22' Rt	48x88, 22.7' Rt	20.0	FL
48	48x75.5, 22.5' Lt	48x10.5, 22.5' Lt	35.0	FL
49	49x27, 22.5' Lt	49x31, 22.5' Lt	4.0	FL
50	49x55, 22.5' Rt	49x72.5, 29.7' Rt	20.0	FL
51	50x00, 22.5' Lt	50x24, 22.5' Lt	24.0	FL
52	50x13.5, 28.9' Rt	50x34, 22.5' Rt	22.0	FL
53	50x43, 22.5' Lt	50x47, 22.5' Lt	4.0	FL
54	50x59, 22.5' Lt	50x75, 22.5' Lt	16.0	FL
55	50x74, 22.5' Rt	50x80, 22.5' Rt	25.0	FL
56	51x07, 22.5' Lt	52x54, 22.5' Lt	147.0	FL
57	51x26, 22.5' Rt	51x30, 22.5' Rt	4.0	FL
58	51x43, 22.8' Rt	52x11, 22.8' Rt	68.0	FL
59	52x76, 22.5' Lt	53x61, 22.5' Lt	85.0	FL
60	52x80, 22.8' Rt	52x84, 22.8' Rt	4.0	FL
61	53x07, 22.7' Rt	53x35.5, 32' Rt	32.0	FL
62	53x76.5, 28' Rt	53x80, 22.5' Rt	24.0	FL
63	53x94, 22' Lt	54x35, 22.5' Lt	11.0	FL
64	54x21, 22.5' Lt	54x46, 33.3' Lt	30.0	FL
65	54x73.5, 33.6' Lt	54x91, 22' Lt	23.0	FL
66	55x27, 22.5' Lt	56x31, 22.5' Lt	4.0	FL
67	56x00, 0' Lt	56x27, 22.5' Lt	27.0	FL
68	56x10, 22.5' Rt	56x14, 22.5' Rt	4.0	FL
69	56x36, 22.5' Lt	56x40, 22.5' Lt	4.0	FL
70	56x45, 23' Rt	56x62.5, 28.5' Rt	19.0	FL
71	56x62, 22.5' Lt	56x73, 34.5' Lt	29.0	FL
72	56x69, 37.2' Rt	57x30, 22.5' Rt	38.0	FL
73	57x00.5, 34.3' Lt	57x43.5, 22.5' Lt	48.5	FL
74	57x81, 22.5' Lt	57x81, 22.5' Lt	24.0	FL
75	57x97, 22.8' Rt	58x01, 22.8' Rt	4.0	FL
76	58x10, 22.5' Lt	58x49, 22.5' Lt	38.0	FL
77	58x08.5, 22.5' Lt	58x12.5, 22.5' Lt	4.0	FL
78	58x25, 22.5' Lt	58x29, 22.5' Lt	4.0	FL
79	58x46, 22.5' Lt	58x50, 22.5' Lt	4.0	FL
80	58x58, 22.5' Lt	58x81, 28.2' Lt	25.0	FL
81	58x96, 22.5' Rt	59x15, 27.8' Rt	15.0	FL
82	60x13, 28' Lt	60x67, 23' Lt	56.0	FL
83	60x34, 28.3' Rt	60x58, 22.5' Rt	24.0	FL
84	60x83, 22.7' Lt	60x87, 22.7' Lt	4.0	FL
85	61x36, 22.5' Lt	61x80.5, 22.8' Lt	42.5	FL
86	61x46, 22.5' Rt	61x65.5, 22.5' Rt	20.5	FL
87	61x88, 22.7' Lt	62x02, 22.7' Lt	4.0	FL
88	62x20, 22.5' Lt	62x24, 22.5' Lt	4.0	FL
89	62x31, 22.9' Rt	62x35, 22.9' Rt	4.0	FL
90	62x42, 22.5' Lt	62x46, 22.5' Lt	4.0	FL
91	62x43, 22.5' Rt	62x47, 22.5' Rt	4.0	FL

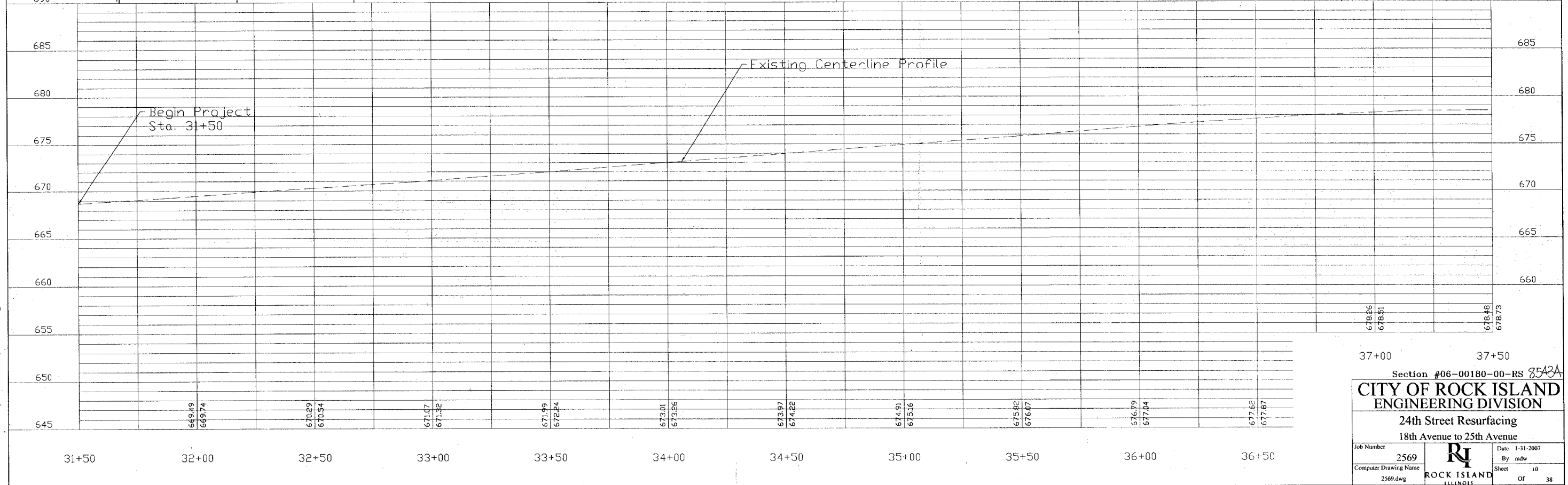
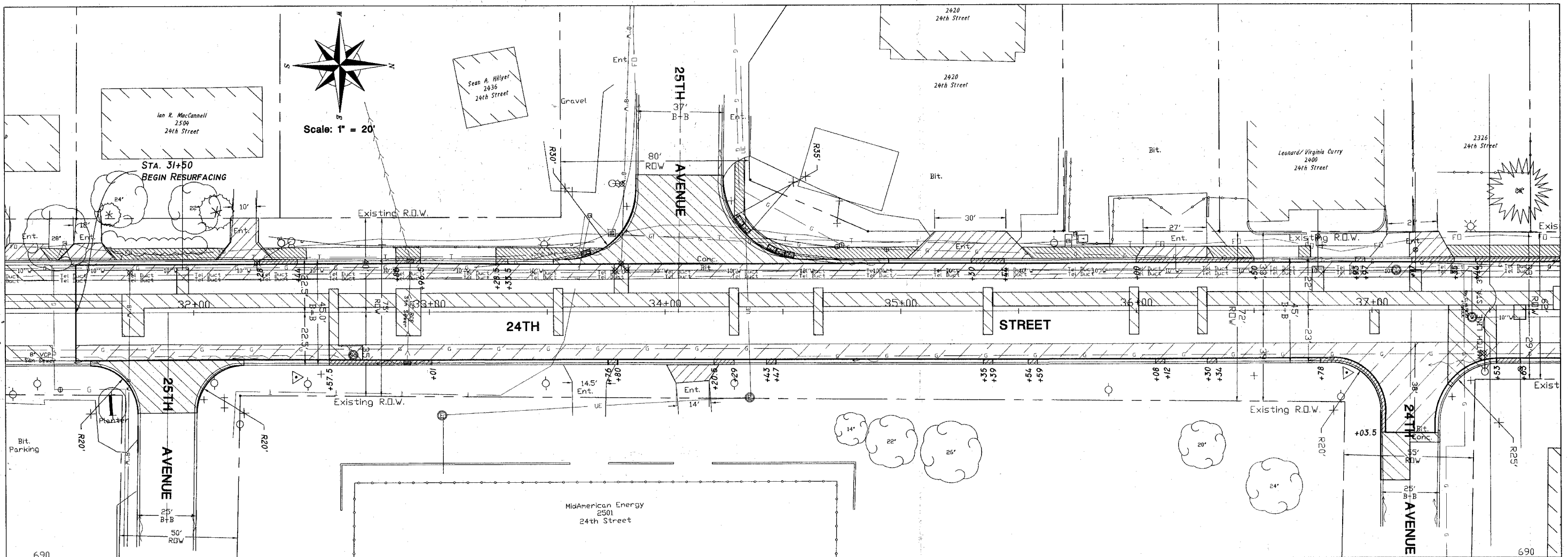
No.	Location	Quantity	Unit	
54	50x59, 22.5' Lt	50x75, 22.5' Lt	16.0	FL
55	50x74, 22.5' Rt	50x80, 22.5' Rt	25.0	FL
56	51x07, 22.5' Lt	52x54, 22.5' Lt	147.0	FL
57	51x26, 22.5' Rt	51x30, 22.5' Rt	4.0	FL
58	51x43, 22.8' Rt	52x11, 22.8' Rt	68.0	FL
59	52x76, 22.5' Lt	53x61, 22.5' Lt	85.0	FL
60	52x80, 22.8' Rt	52x84, 22.8' Rt	4.0	FL
61	53x07, 22.7' Rt	53x35.5, 32' Rt	32.0	FL
62	53x76.5, 28' Rt	53x80, 22.5' Rt	24.0	FL
63	53x94, 22' Lt	54x35, 22.5' Lt	11.0	FL
64	54x21, 22.5' Lt	54x46, 33.3' Lt	30.0	FL
65	54x73.5, 33.6' Lt	54x91, 22' Lt	23.0	FL
66	55x27, 22.5' Lt	56x31, 22.5' Lt	4.0	FL
67	56x00, 0' Lt	56x27, 22.5' Lt	27.0	FL
68	56x10, 22.5' Rt	56x14, 22.5' Rt	4.0	FL
69	56x36, 22.5' Lt	56x40, 22.5' Lt	4.0	FL
70	56x45, 23' Rt	56x62.5, 28.5' Rt	19.0	FL
71	56x62, 22.5' Lt	56x73, 34.5' Lt	29.0	FL
72	56x69, 37.2' Rt	57x30, 22.5' Rt	38.0	FL
73	57x00.5, 34.3' Lt	57x43.5, 22.5' Lt	48.5	FL
74	57x81, 22.5' Lt	57x81, 22.5' Lt	24.0	FL
75	57x97, 22.8' Rt	58x01, 22.8' Rt	4.0	FL
76	58x10, 22.5' Lt	58x49, 22.5' Lt	38.0	FL
77	58x08.5, 22.5' Lt	58x12.5, 22.5' Lt	4.0	FL
78	58x25, 22.5' Lt	58x29, 22.5' Lt	4.0	FL
79	58x46, 22.5' Lt	58x50, 22.5' Lt	4.0	FL
80	58x58, 22.5' Lt	58x81, 28.2' Lt	25.0	FL
81	58x96, 22.5' Rt	59x15, 27.8' Rt	15.0	FL
82	60x13, 28' Lt	60x67, 23' Lt	56.0	FL
83	60x34, 28.3' Rt	60x58, 22.5' Rt	24.0	FL
84	60x83, 22.7' Lt	60x87, 22.7' Lt	4.0	FL
85	61x36, 22.5' Lt	61x80.5, 22.8' Lt	42.5	FL
86	61x46, 22.5' Rt	61x65.5, 22.5' Rt	20.5	FL
87	61x88, 22.7' Lt	62x02, 22.7' Lt	4.0	FL
88	62x20, 22.5' Lt	62x24, 22.5' Lt	4.0	FL
89	62x31, 22.9' Rt	62x35, 22.9' Rt	4.0	FL
90	62x42, 22.5' Lt	62x46, 22.5' Lt	4.0	FL
91	62x43, 22.5' Rt	62x47, 22.5' Rt	4.0	FL

No.	Location	Quantity	Unit	
70	56x45, 23' Rt	56x62.5, 28.5' Rt	19.0	FL
71	56x62, 22.5' Lt	56x73, 34.5' Lt	29.0	FL
72	56x69, 37.2' Rt	57x30, 22.5' Rt	38.0	FL
73	57x00.5, 34.3' Lt	57x43.5, 22.5' Lt	48.5	FL
74	57x81, 22.5' Lt	57x81, 22.5' Lt	24.0	FL
75	57x97, 22.8' Rt	58x01, 22.8' Rt	4.0	FL
76	58x10, 22.5' Lt	58x49, 22.5' Lt	38.0	FL
77	58x08.5, 22.5' Lt	58x12.5, 22.5' Lt	4.0	FL
78	58x25, 22.5' Lt	58x29, 22.5' Lt	4.0	FL
79	58x46, 22.5' Lt	58x50, 22.5' Lt	4.0	FL
80	58x58, 22.5' Lt	58x81, 28.2' Lt	25.0	FL
81	58x96, 22.5' Rt	59x15, 27.8' Rt	15.0	FL
82	60x13, 28' Lt	60x67, 23' Lt	56.0	FL
83	60x34, 28.3' Rt	60x58, 22.5' Rt	24.0	FL
84	60x83, 22.7' Lt	60x87, 22.7' Lt	4.0	FL
85	61x36, 22.5' Lt	61x80.5, 22.8' Lt	42.5	FL</

20057000 Sanitary Sewer, 10"				PCC Base Course, 8", With Integral Curb			
No.	Location	Quantity	Unit	No.	Location	Quantity	Unit
1	53+06.4, 12.7' Rt	28.6	Ft	1	31+69.8, CL	70.8	S.Y.
2	53+68.7, 12.6' Rt	20.0	Ft	2	31+93, 8' Lt	6.2	S.Y.
3	56+56.6, 12.4' Rt	20.0	Ft	3	32+57.4 CL	20.4	S.Y.
4	59+84.6, 11.7' Rt	45.5	Ft	4	32+61.4, 2' Lt	16.3	S.Y.
		115.1	Ft	5	32+86 CL	23.3	S.Y.
				6	32+86.6, 2' Lt	37.5	S.Y.
				7	33+52.4 CL	9.9	S.Y.
				8	33+56.7, 2' Lt	47.0	S.Y.
				9	33+78.5, 8' Lt	6.2	S.Y.
				10	34+27.2 CL	8.9	S.Y.
				11	34+31.2, 2' Lt	21.2	S.Y.
				12	34+63 CL	8.9	S.Y.
				13	34+67, 2' Lt	45.3	S.Y.
				14	35+35 CL	8.9	S.Y.
				15	35+39, 2' Lt	38.7	S.Y.
				16	35+97 CL	8.9	S.Y.
				17	36+01, 2' Lt	16.7	S.Y.
				18	36+26 CL	8.9	S.Y.
				19	36+30, 2' Lt	88.0	S.Y.
				20	36+74.6, 8' Lt	5.9	S.Y.
				21	36+99 CL	4.4	S.Y.
				22	37+16, 8' Lt	5.1	S.Y.
				23	37+32.5, 2' Lt	64.0	S.Y.
				24	37+60.3, 2' Lt	3.3	S.Y.
				25	37+77 CL	7.8	S.Y.
				26	37+82.8, 12.4' Lt	7.1	S.Y.
				27	37+84 CL	4.4	S.Y.
				28	37+94, 2' Lt	38.0	S.Y.
				29	38+41 CL	8.9	S.Y.
				30	38+45, 2' Lt	40.0	S.Y.
				31	38+67.7, 2' Lt	4.2	S.Y.
				32	39+05 CL	8.9	S.Y.
				33	39+09, 2' Lt	46.7	S.Y.
				34	39+35.8, 2' Lt	4.2	S.Y.
				35	39+79 CL	15.4	S.Y.
				36	39+87.4, 2' Lt	53.1	S.Y.
				37	40+67.1 CL	11.1	S.Y.
				38	40+72.1, 2' Lt	1497.9	S.Y.
				39	40+74.8, 12.8' Lt	5.4	S.Y.
				40	41+09.4, 2' Lt	4.2	S.Y.
				41	41+25.3 CL	34.5	S.Y.
				42	41+37.3, 8' Lt	7.1	S.Y.
				43	41+51.4, 8' Lt	73.6	S.Y.
				44	41+59, 2' Lt	7.1	S.Y.
				45	41+75, 2' Lt	108.9	S.Y.
				46	42+13, 18.9' RT	59.2	S.Y.
				47	42+31.1, 2' Lt	5.9	S.Y.
				48	44+73.2, 2' Lt	4.1	S.Y.
				49	45+01.5, 10.1' Rt	7.1	S.Y.
				50	45+11.7, 2' Lt	4.1	S.Y.
				51	45+48, 2' Lt	4.1	S.Y.
				52	45+85.7, 2' Lt	4.2	S.Y.
				53	46+05.7, 8.6' Lt	8.0	S.Y.
				54	46+46.5, 2' Lt	24.9	S.Y.
				55	46+86.2, 2' Lt	3.4	S.Y.
				56	47+12, 2' Lt	7.1	S.Y.
				57	47+13, 8' Lt	10.4	S.Y.
				58	47+41.3, 2' Lt	4.2	S.Y.
				59	47+87.8, 2' Lt	4.2	S.Y.
				60	48+41, 2' Lt	4.3	S.Y.
				61	48+81, 2' Lt	4.3	S.Y.
				62	48+92.2, 8.5' Lt	7.1	S.Y.
				63	49+41.5, 2' Lt	4.4	S.Y.
				64	49+86, 2' Lt	44.9	S.Y.
				65	50+23.4, 2' Lt	15.2	S.Y.
				66	50+56.3, 2' Lt	4.3	S.Y.
				67	51+00.2, 2' Lt	4.3	S.Y.
				68	51+51.2, 2' Lt	4.3	S.Y.
				69	52+05.2, 2' Lt	4.5	S.Y.
				70	52+49.8, 2' Lt	4.5	S.Y.
				71	53+13.4, 2' Lt	52.0	S.Y.
				72	53+29, 8' Lt	9.5	S.Y.
				73	53+40.3, 41.5' Rt	21.8	S.Y.
				74	53+75.7, 2' Lt	30.7	S.Y.
				75	53+88.3, 12.5' Lt	7.1	S.Y.
				76	54+44, 2' Lt	4.3	S.Y.
				77	55+48, 2' Lt	4.2	S.Y.
				78	56+63.6, 2' Lt	55.8	S.Y.
				79	56+69.4, 8' Lt	12.4	S.Y.
				80	56+75.5, 3' Rt	1.8	S.Y.
				81	56+76.6, 43.5' Lt	12.0	S.Y.
				82	56+84.5, 5.5' Rt	1.8	S.Y.
				83	56+87.8, 1.3' Lt	1.8	S.Y.
				84	57+04.8, 13.5' Lt	7.1	S.Y.
				85	57+10.6, 2' Lt	15.7	S.Y.
				86	57+24.1, 2' Lt	7.1	S.Y.
				87	57+28.1, 8' Lt	20.9	S.Y.
				88	57+86.8, 8' Lt	8.0	S.Y.
				89	58+67.2, 8' Lt	6.9	S.Y.
				90	58+05.8, 8' Lt	6.9	S.Y.
				91	58+49.2, 8' Lt	6.9	S.Y.
				92	59+81.6, 2' Lt	28.5	S.Y.
				93	59+87.6, 7.5' Rt	15.8	S.Y.
				94	60+18.1, 2' Lt	46.7	S.Y.
				95	61+46, 6.8' Rt	7.1	S.Y.
				96	61+88, 7' Lt	6.6	S.Y.
				97	62+76, 13.7' Lt	6.9	S.Y.
						3,233.6	S.Y.

L.A. # 06-00180-00-RS 8543A

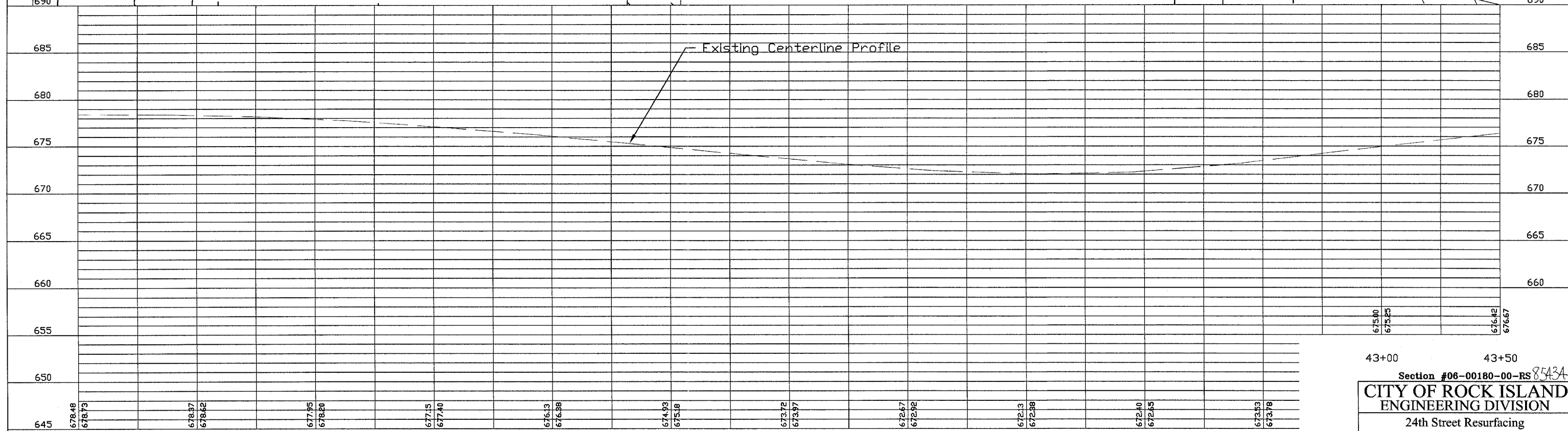
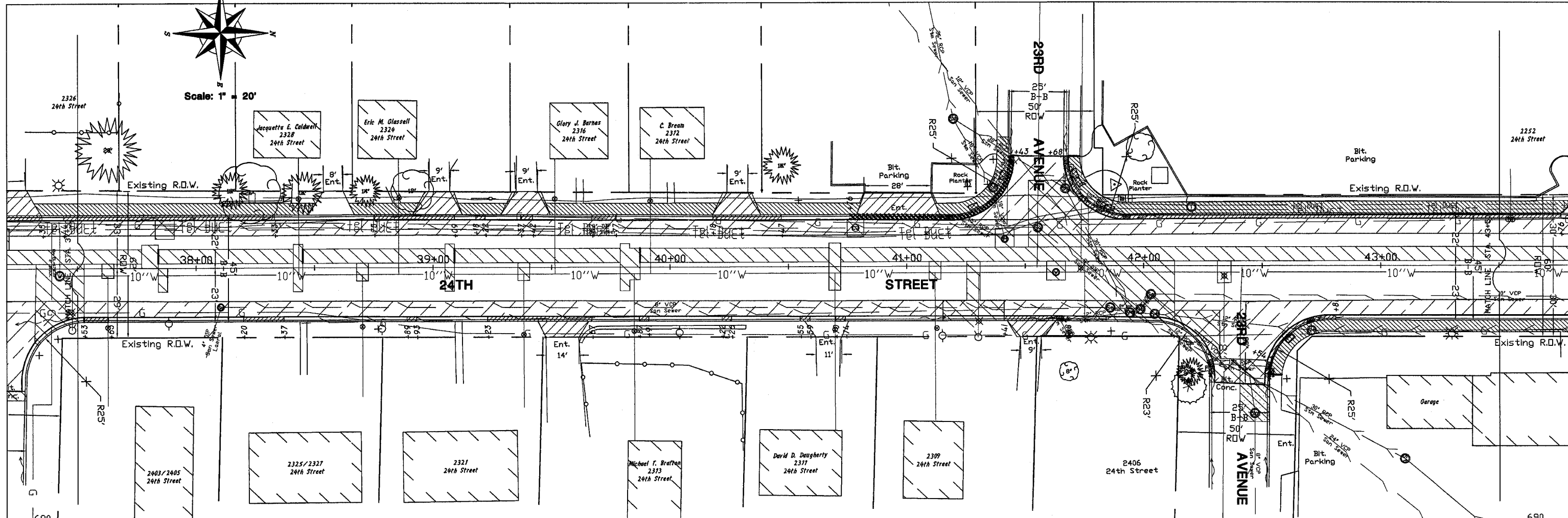
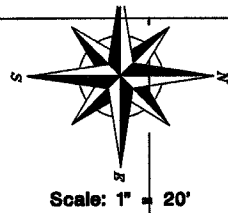
CITY OF ROCK ISLAND	
ENGINEERING DIVISION	
24th Street Resurfacing 18th Avenue to 25th Avenue	
Job Number	Date: 4/4/2007
2569	By: mdw
Computer Drawing Name	Sheet 9
2569 Schedule of Quantities 5.xls	Of 38



Section #06-00180-00-RS 35A3A
CITY OF ROCK ISLAND
ENGINEERING DIVISION
 24th Street Resurfacing
 18th Avenue to 25th Avenue

Job Number 2569	Date 1-31-2007
Computer Drawing Name 2569.dwg	By mdw
Sheet 10	Of 38

ROCK ISLAND
ILLINOIS



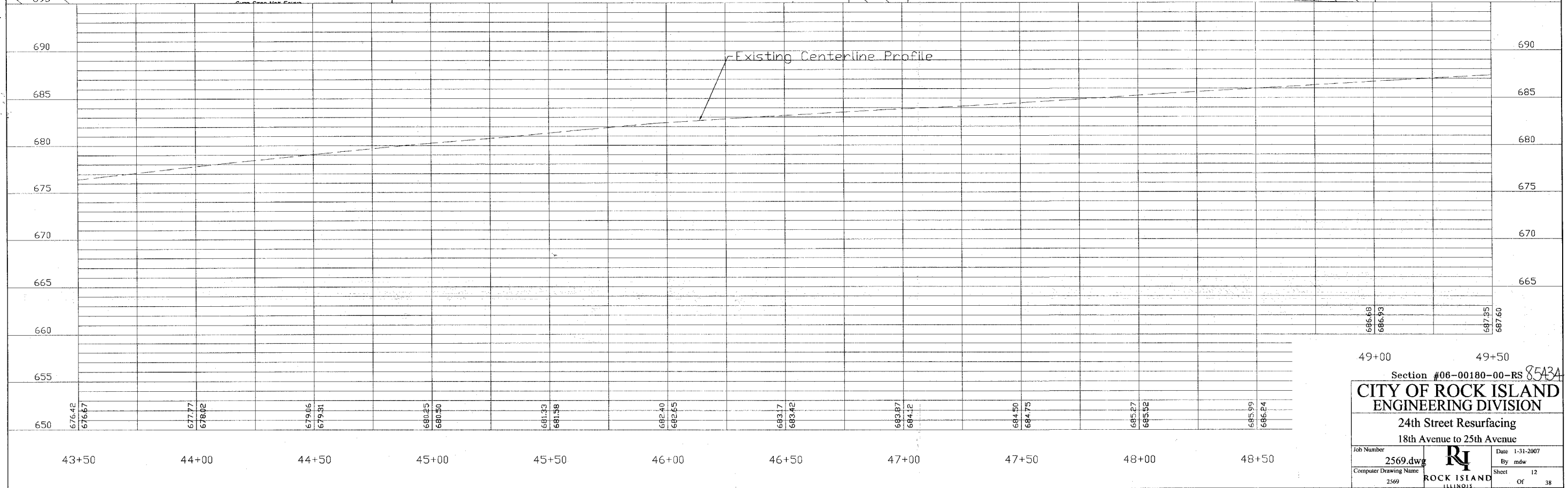
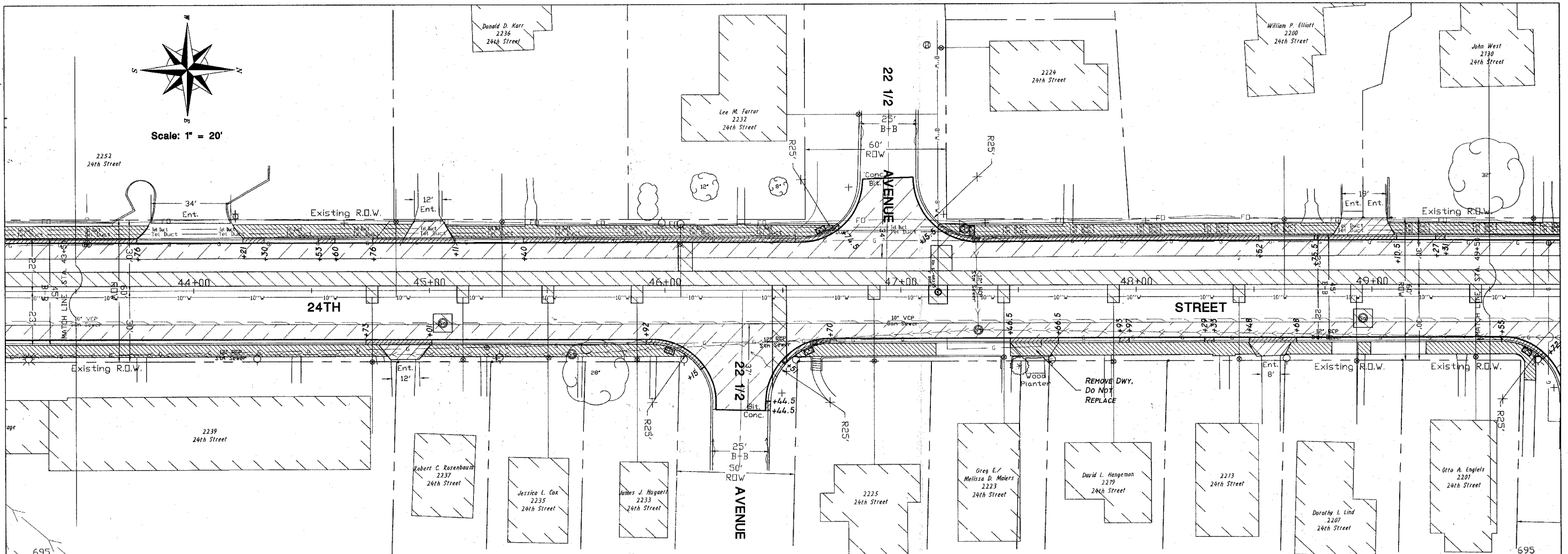
43+00 43+50

Section #06-00180-00-RS 8543A

CITY OF ROCK ISLAND
ENGINEERING DIVISION

24th Street Resurfacing
18th Avenue to 25th Avenue

Job Number 2569	Date 1-31-2007
Computer Drawing Name 2569.dwg	By midw
	Sheet 11
	Of 38



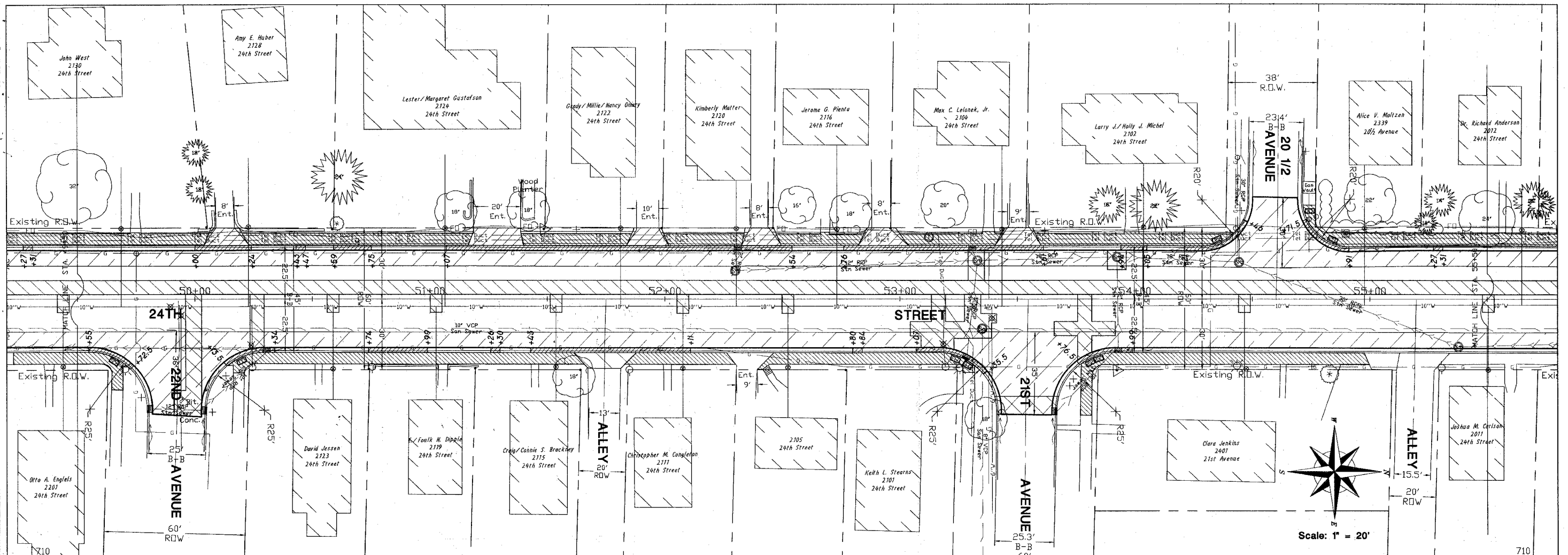
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Section #06-00180-00-RS 8543A

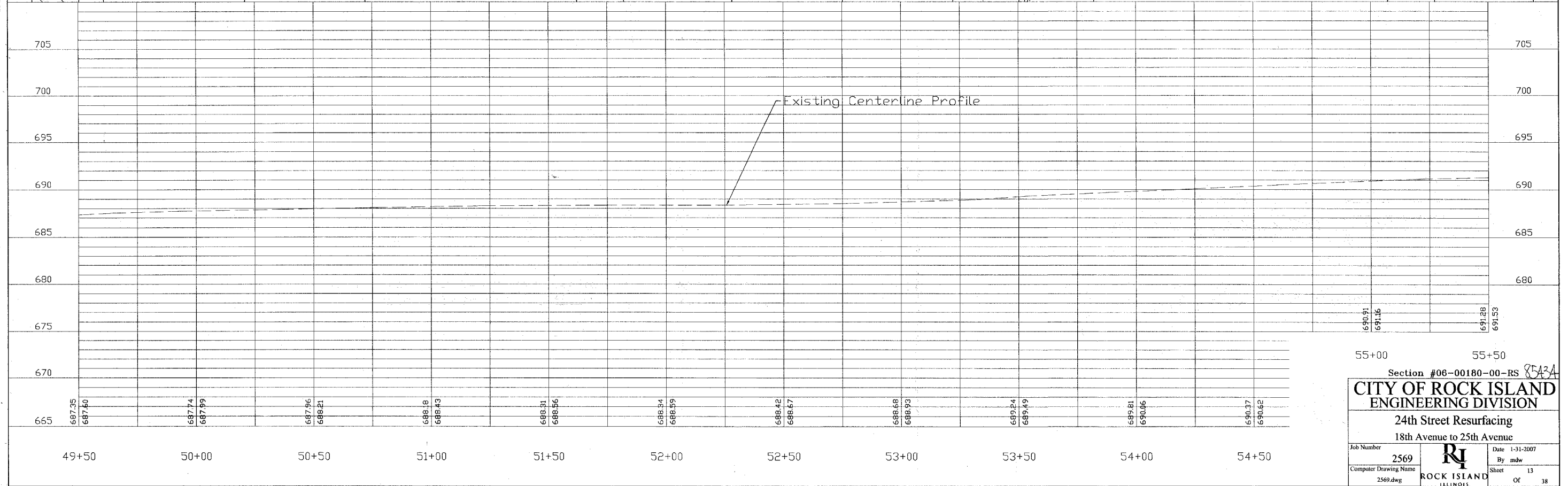
CITY OF ROCK ISLAND
ENGINEERING DIVISION

24th Street Resurfacing
18th Avenue to 25th Avenue

Job Number 2569.dwg	Date 1-31-2007
Computer Drawing Name 2569	By mdw
ROCK ISLAND ILLINOIS	Sheet 12
	Of 38



Scale: 1" = 20'



55+00 55+50

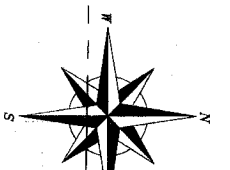
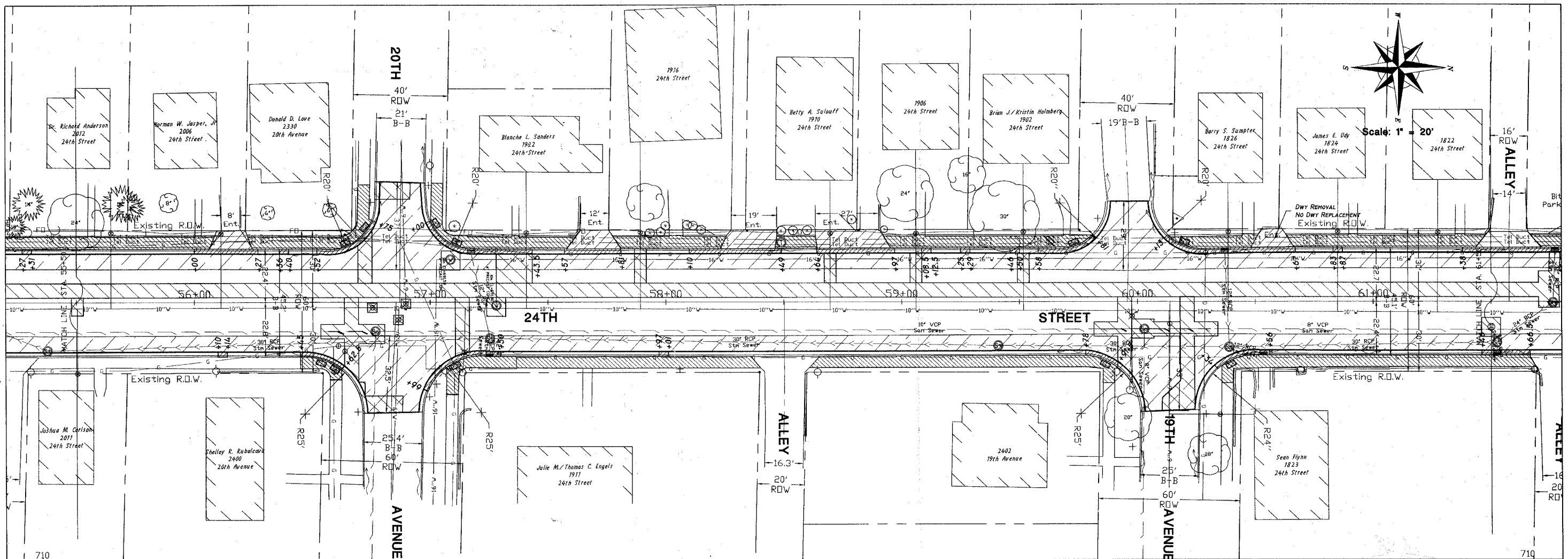
Section #06-00180-00-RS 8543A

CITY OF ROCK ISLAND
ENGINEERING DIVISION

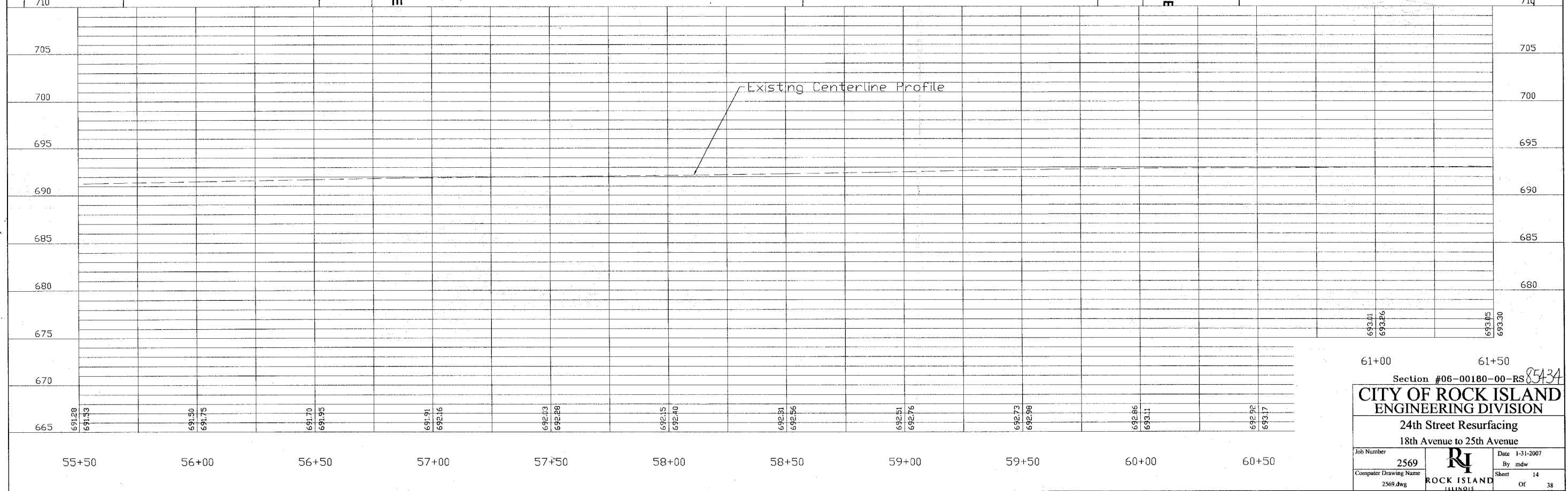
24th Street Resurfacing
18th Avenue to 25th Avenue

Job Number	2569	Date	1-31-2007
Computer Drawing Name	2569.dwg	By	mdw
		Sheet	13
		Of	38

ROCK ISLAND ILLINOIS



Scale: 1" = 20'



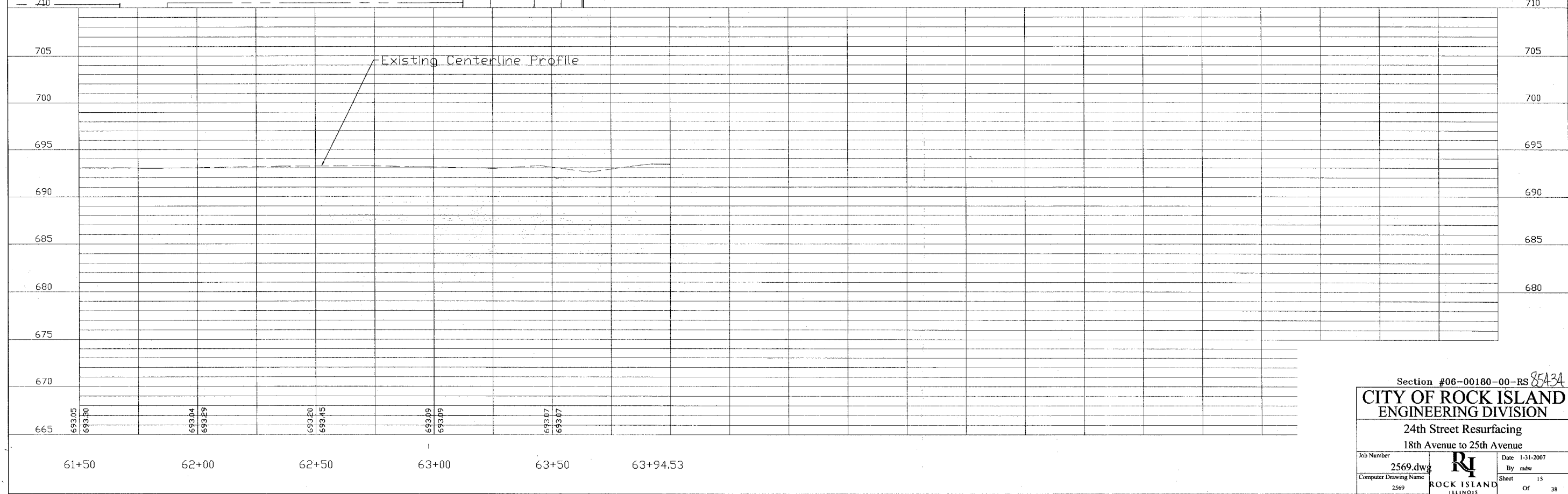
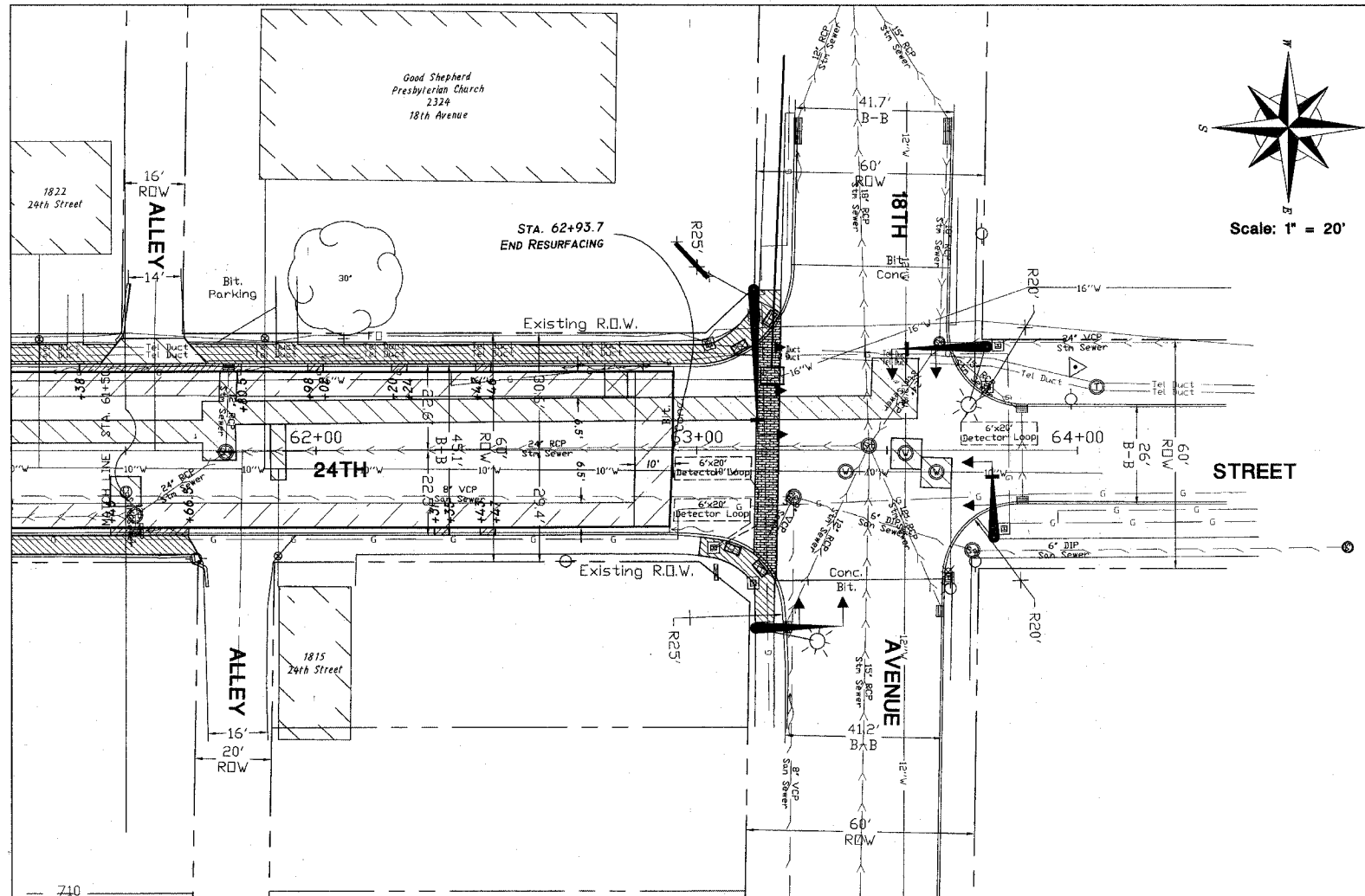
61+00 61+50

Section #06-00180-00-RS 85434

CITY OF ROCK ISLAND
ENGINEERING DIVISION

24th Street Resurfacing
18th Avenue to 25th Avenue

Job Number 2569	Date 1-31-2007
Computer Drawing Name 2569.dwg	By mdw
ROCK ISLAND ILLINOIS	Sheet 14
	Of 38

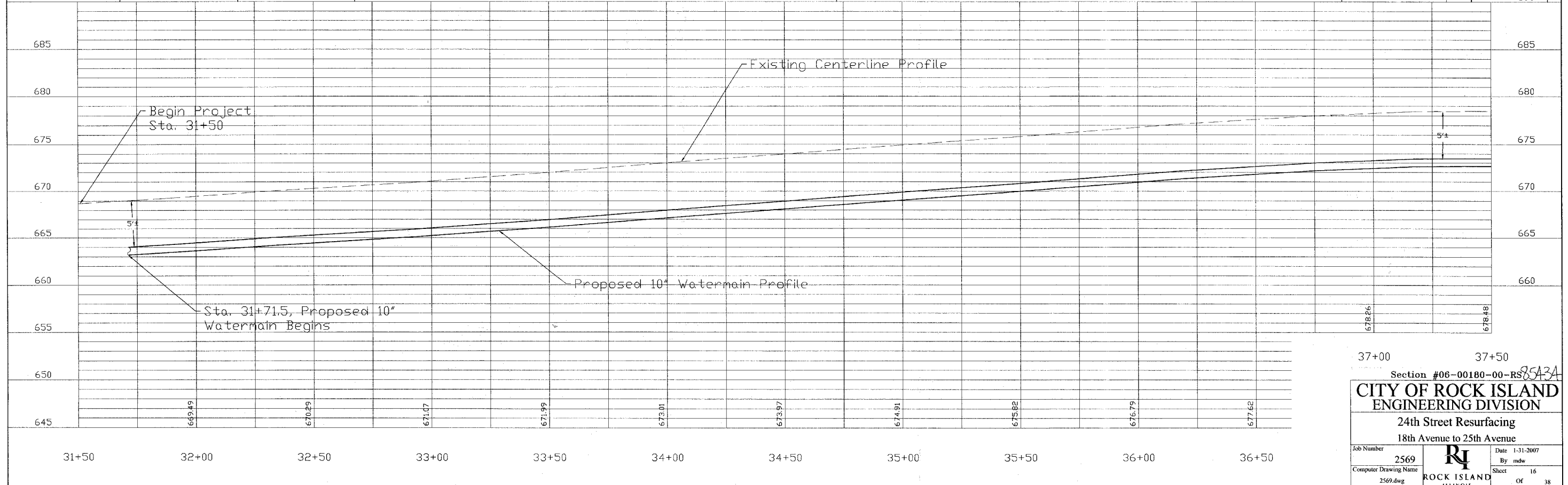
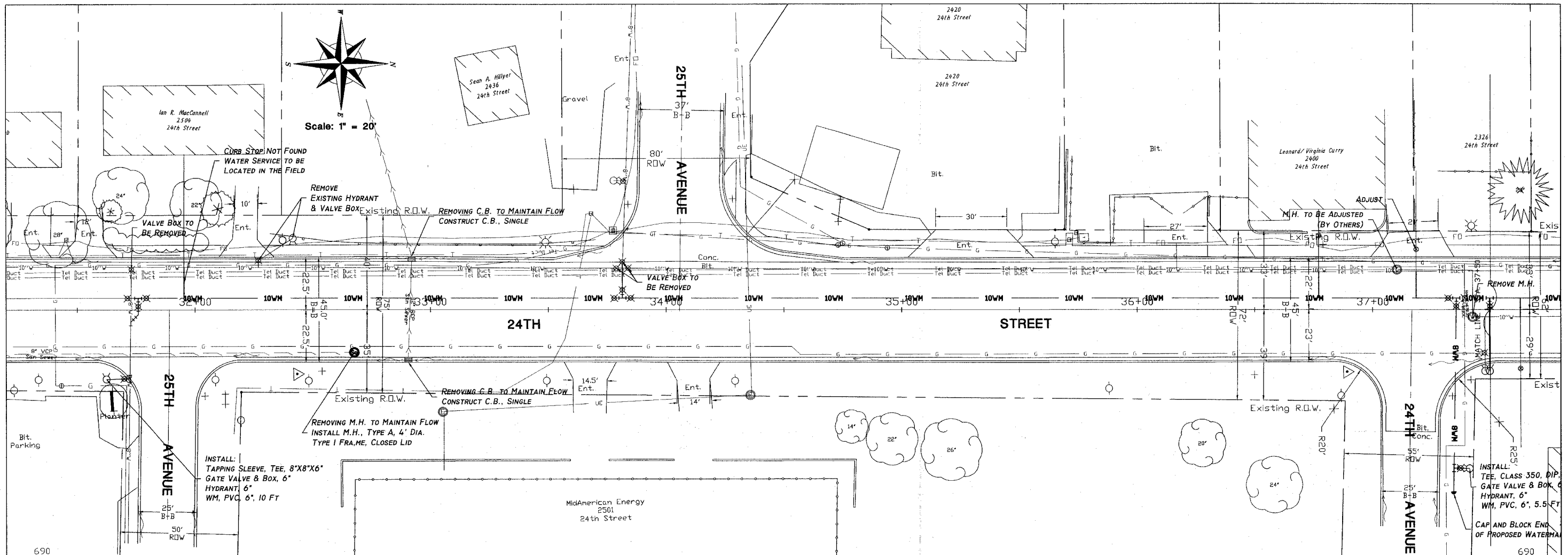


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CITY OF ROCK ISLAND
ENGINEERING DIVISION

24th Street Resurfacing
18th Avenue to 25th Avenue

Job Number 2569.dwg		Date 1-31-2007
Computer Drawing Name 2569		By mdw
		Sheet 15
		Of 38



37+00 37+50

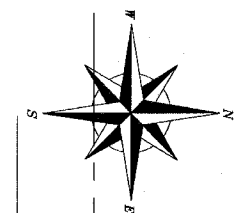
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CITY OF ROCK ISLAND
ENGINEERING DIVISION

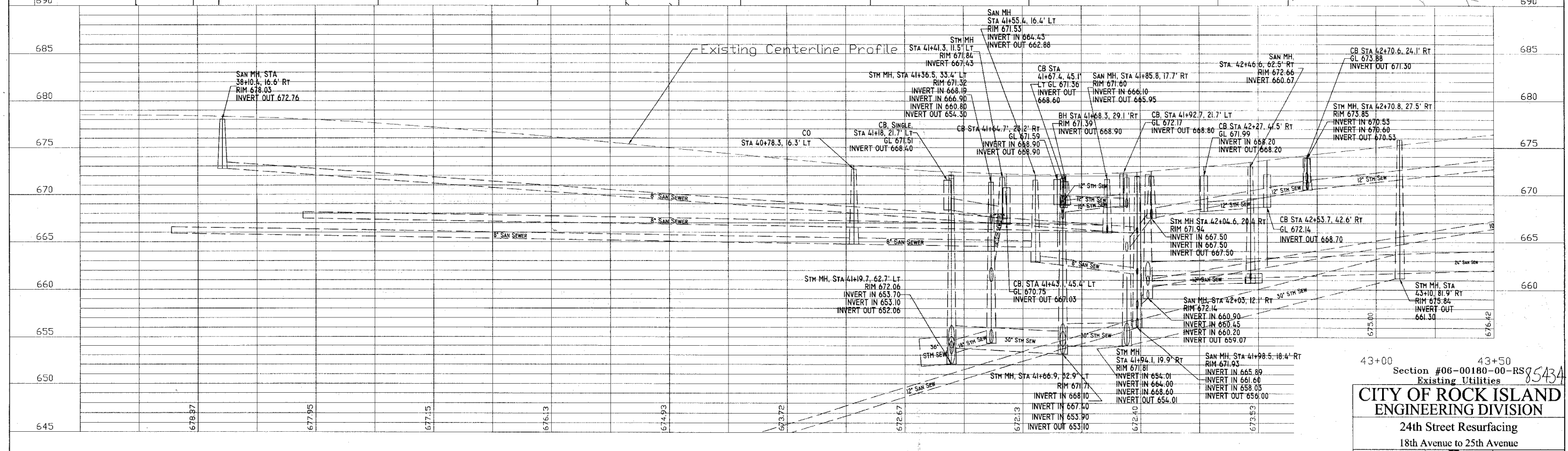
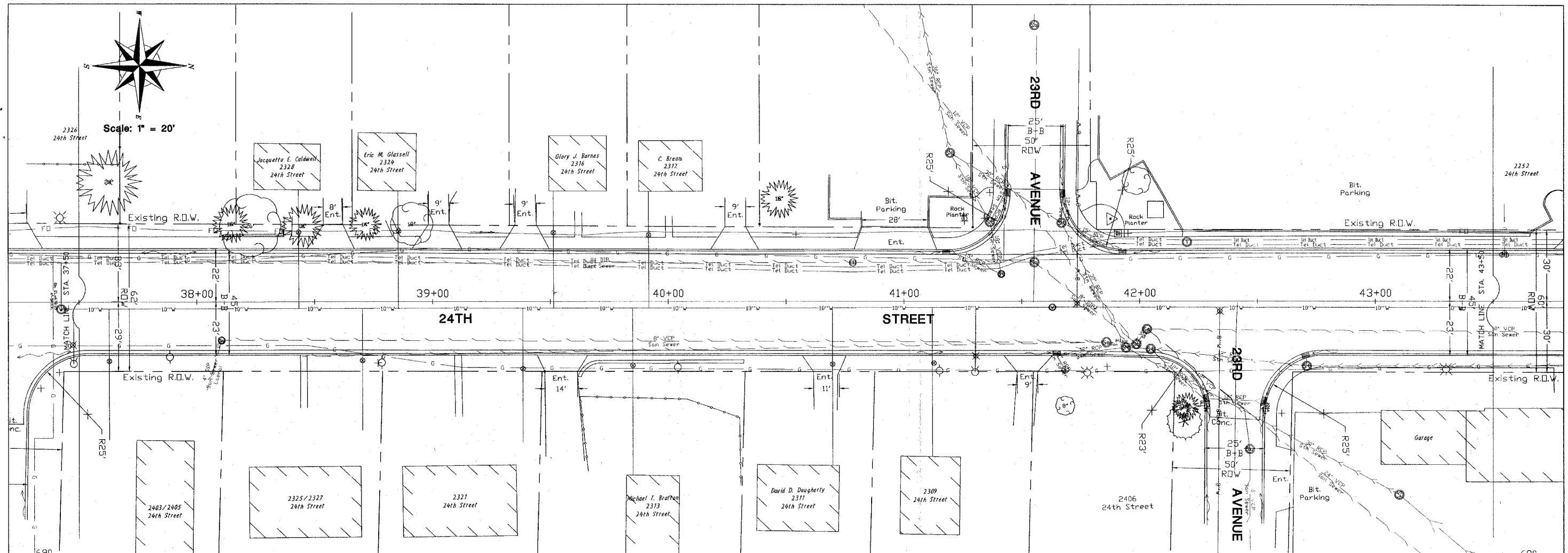
24th Street Resurfacing
 18th Avenue to 25th Avenue

Job Number 2569	Date 1-31-2007
Computer Drawing Name 2569.dwg	By mdw
Sheet 16	Of 38

ROCK ISLAND ILLINOIS



Scale: 1" = 20'



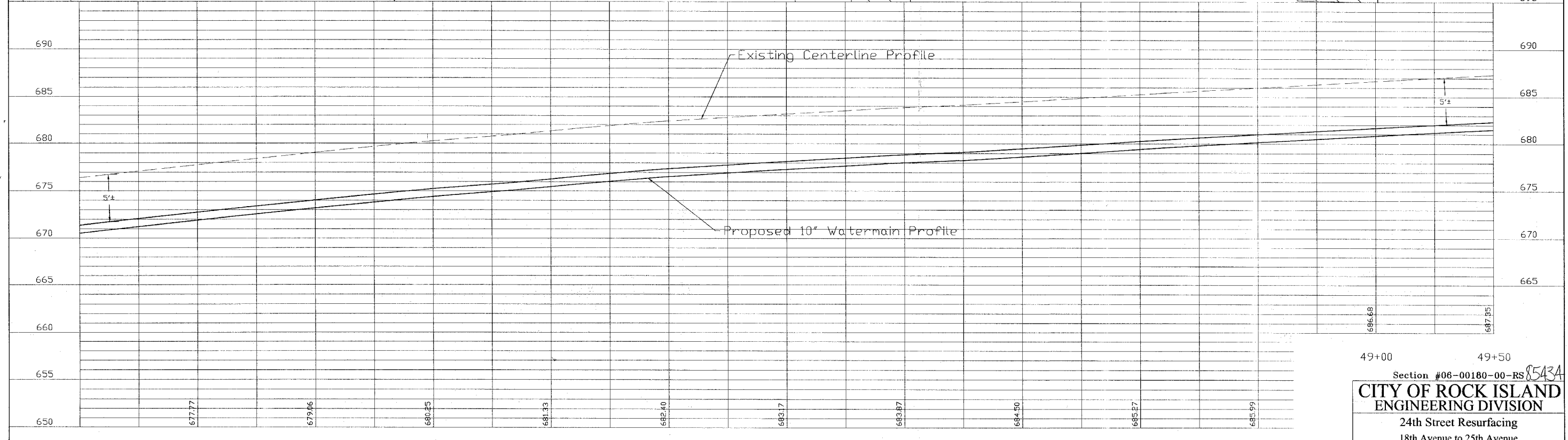
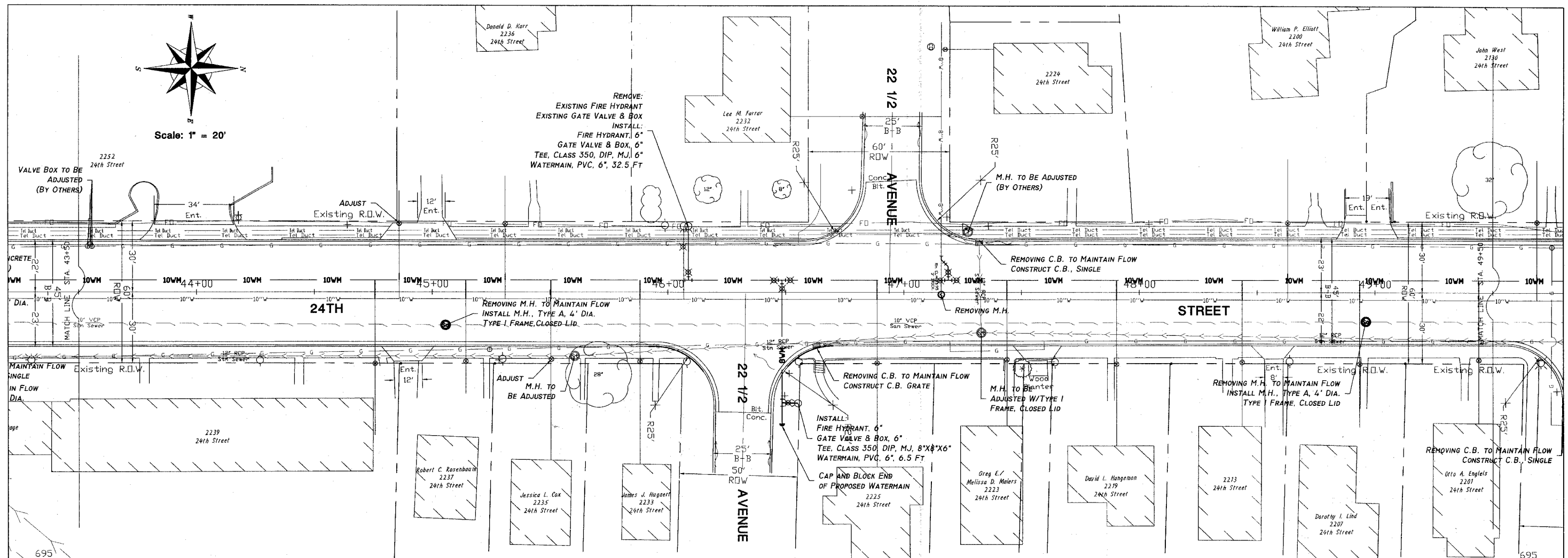
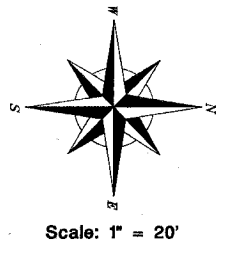
43+00 Section #06-00180-00-RS8543A 43+50
Existing Utilities

CITY OF ROCK ISLAND
ENGINEERING DIVISION

24th Street Resurfacing
18th Avenue to 25th Avenue

Job Number 2569	Date 1-31-2007
Computer Drawing Name 2569.dwg	By mdw
	Sheet 17
	Of 38

ROCK ISLAND
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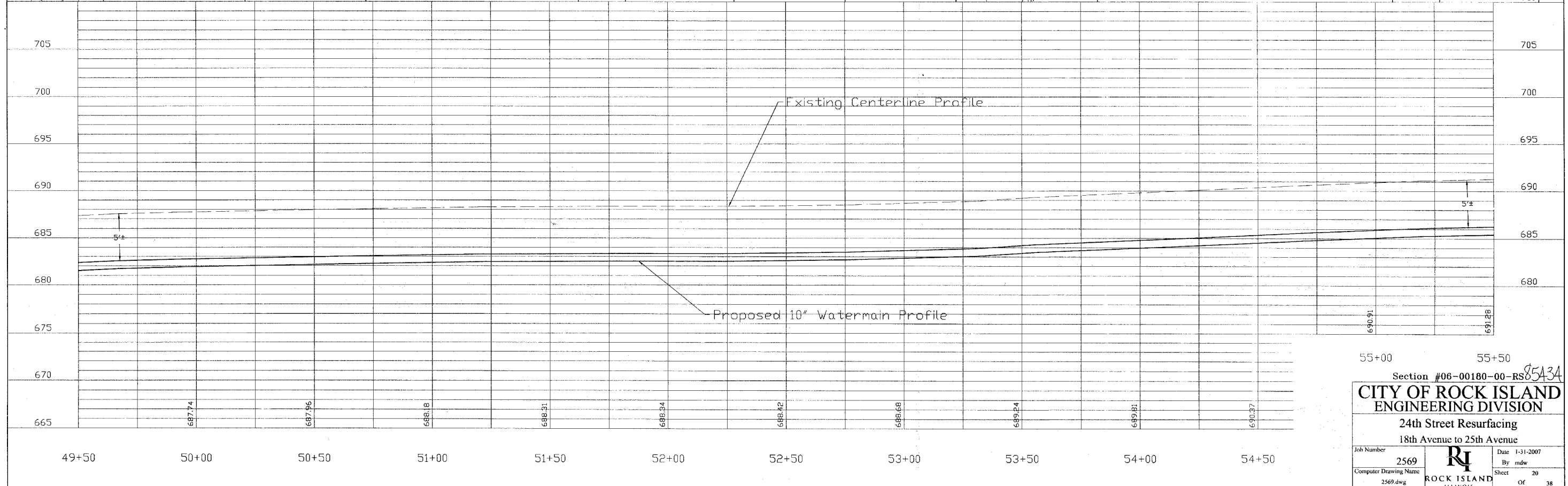
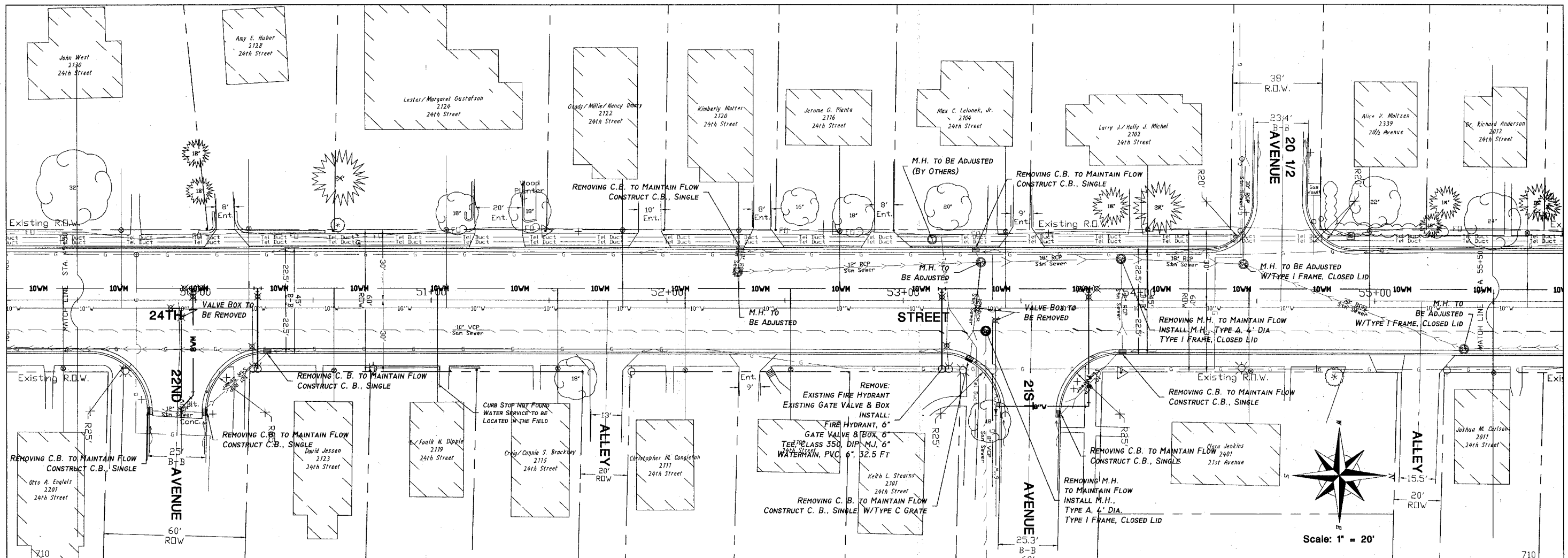
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Section #06-00180-00-RS 8543A

CITY OF ROCK ISLAND
ENGINEERING DIVISION

24th Street Resurfacing
18th Avenue to 25th Avenue

Job Number 2569.dwg	Date 1-31-2007
Computer Drawing Name 2569	By mdw
Sheet 19	Of 38



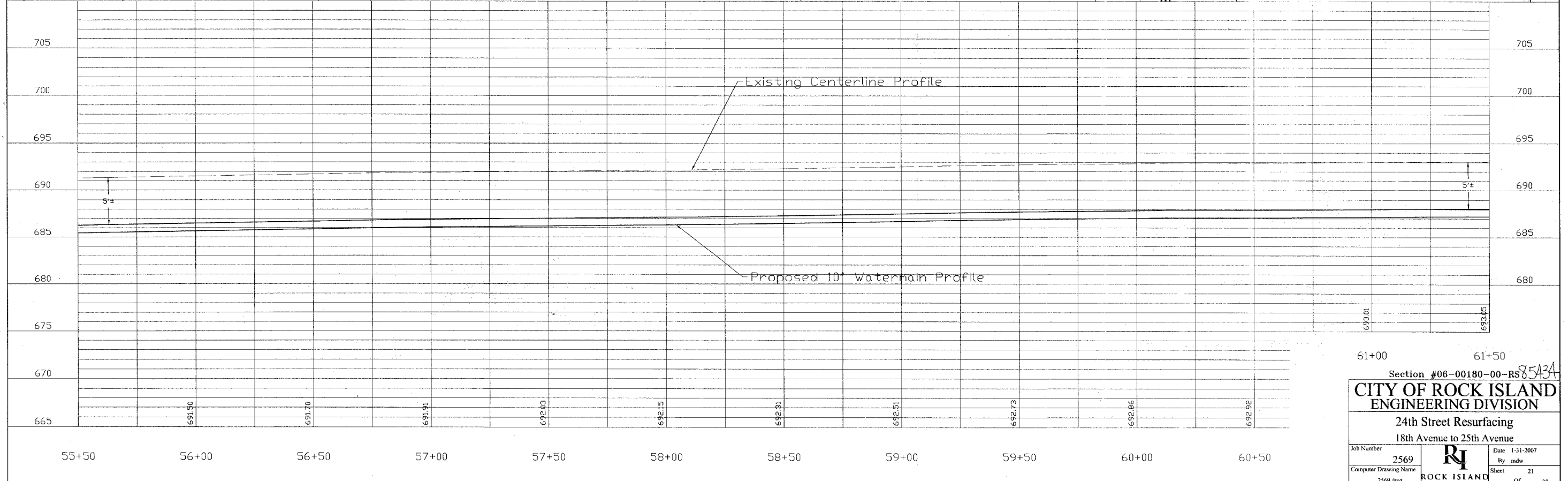
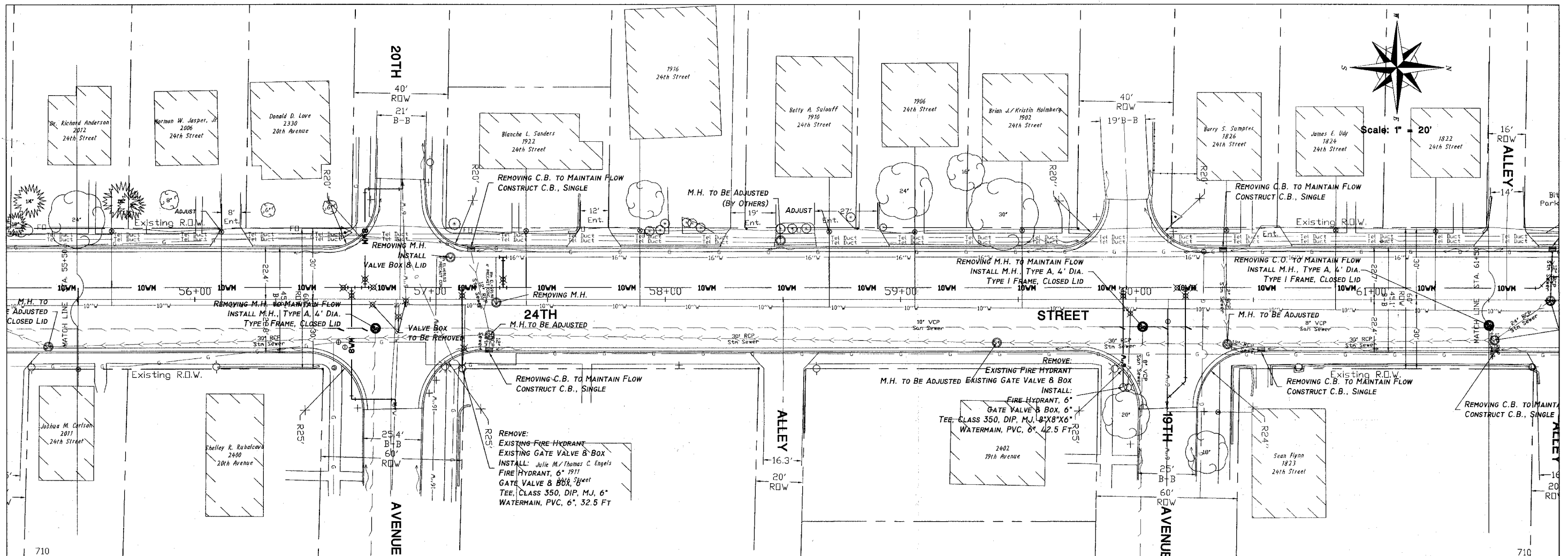
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Section #06-00180-00-RS85A3A

CITY OF ROCK ISLAND
ENGINEERING DIVISION

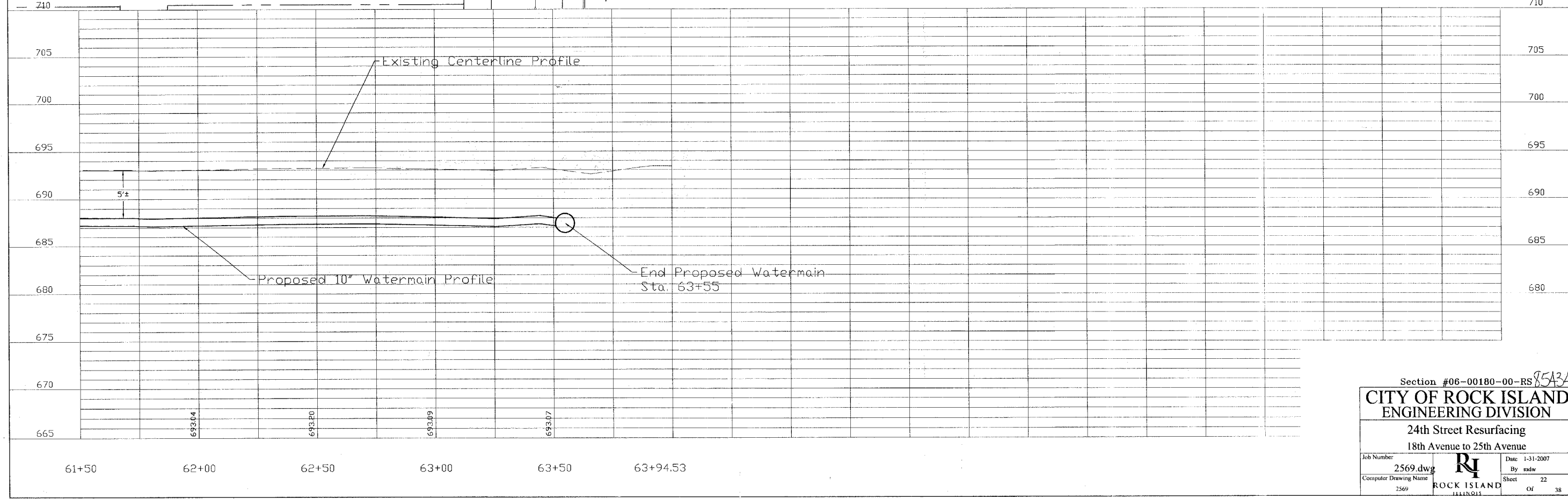
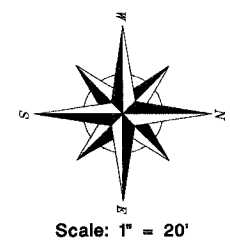
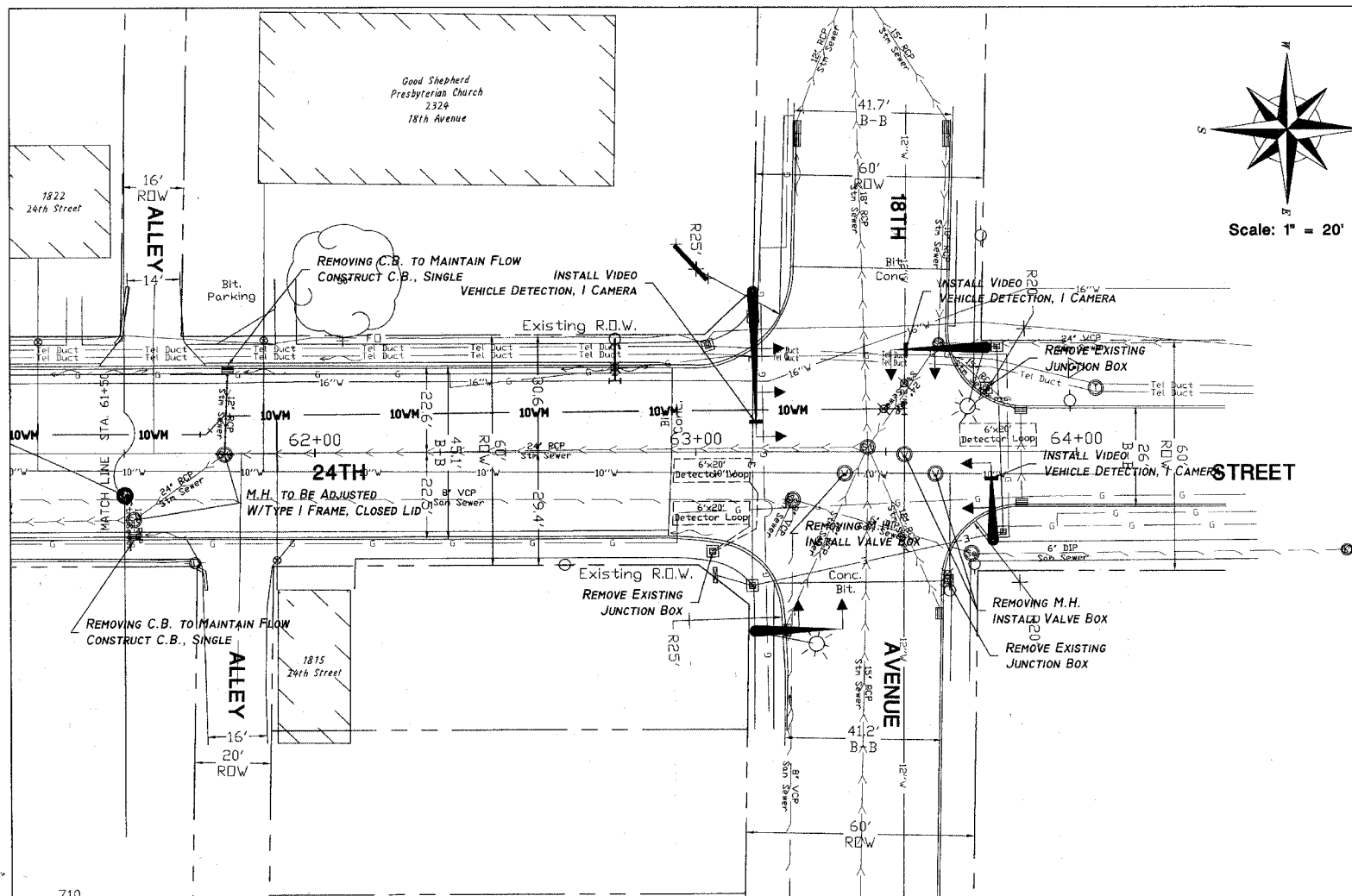
24th Street Resurfacing
18th Avenue to 25th Avenue

Job Number 2569		Date 1-31-2007
Computer Drawing Name 2569.dwg		By mdw
ROCK ISLAND ILLINOIS		Sheet Of 20 38



61+00 61+50
 Section #06-00180-00-RS8543A
CITY OF ROCK ISLAND
ENGINEERING DIVISION
 24th Street Resurfacing
 18th Avenue to 25th Avenue

Job Number 2569	Date 1-31-2007
Computer Drawing Name 2569.dwg	By mdw
	Sheet 21
	Of 38

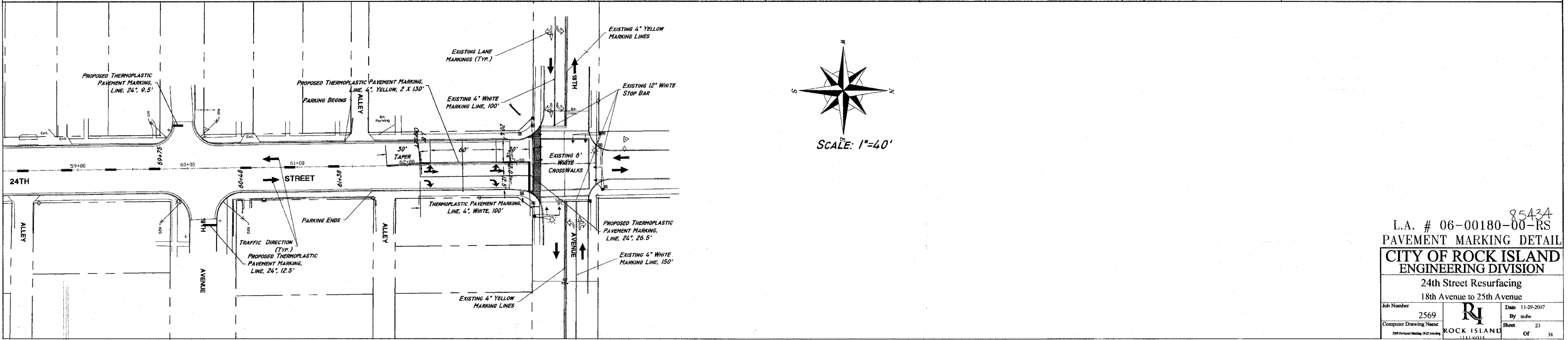
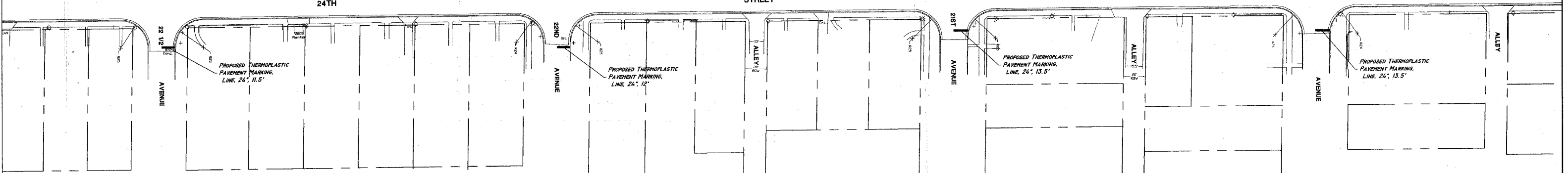
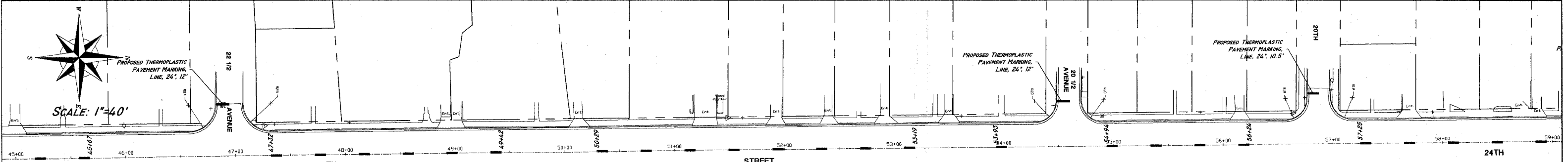
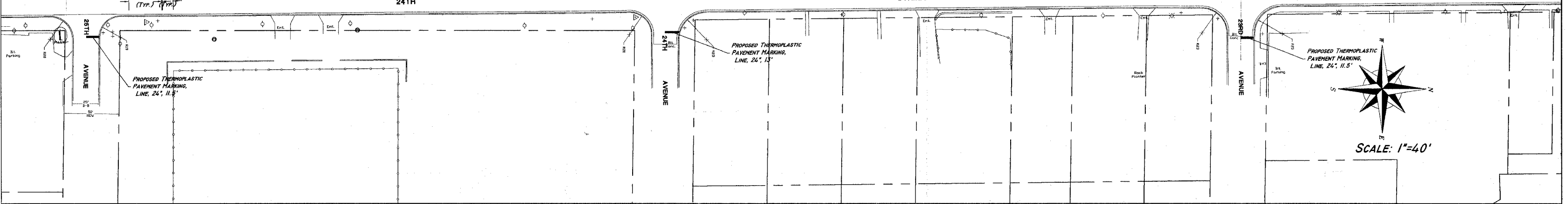
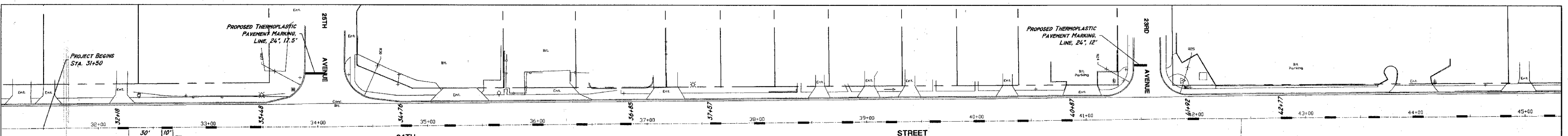


Section #06-00180-00-RS **8543A**

CITY OF ROCK ISLAND
ENGINEERING DIVISION

24th Street Resurfacing
18th Avenue to 25th Avenue

Job Number: 2569.dwg		Date: 1-31-2007
Computer Drawing Name: 2569		By: mdw
Sheet: 22		Of: 38



85434

L.A. # 06-00180-00-RS
PAVEMENT MARKING DETAIL
CITY OF ROCK ISLAND
ENGINEERING DIVISION

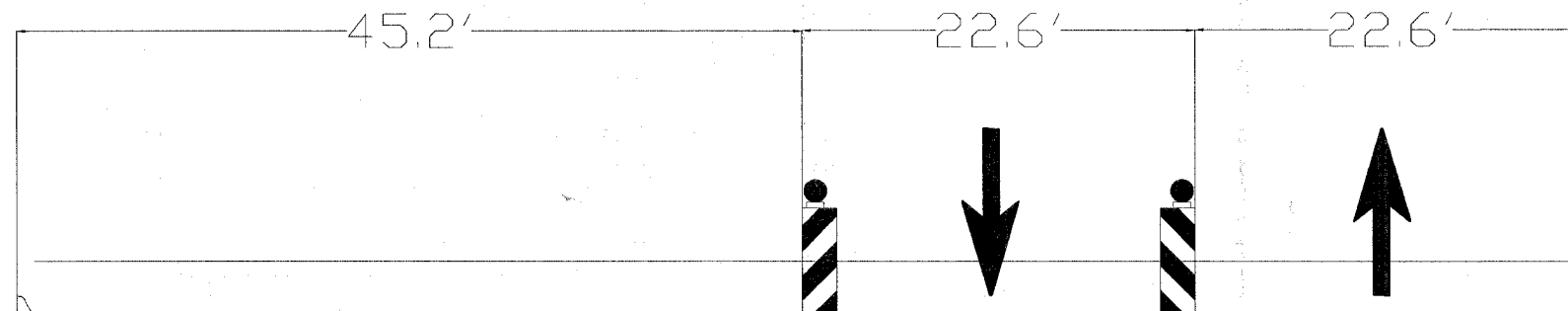
24th Street Resurfacing
 18th Avenue to 25th Avenue

Job Number	2569	Date	11-29-2007
Computer Drawing Name	RI	By	mdw
Sheet	23	Of	38

ROCK ISLAND
2007 Personnel Meeting 1-22-07

Staging Typical

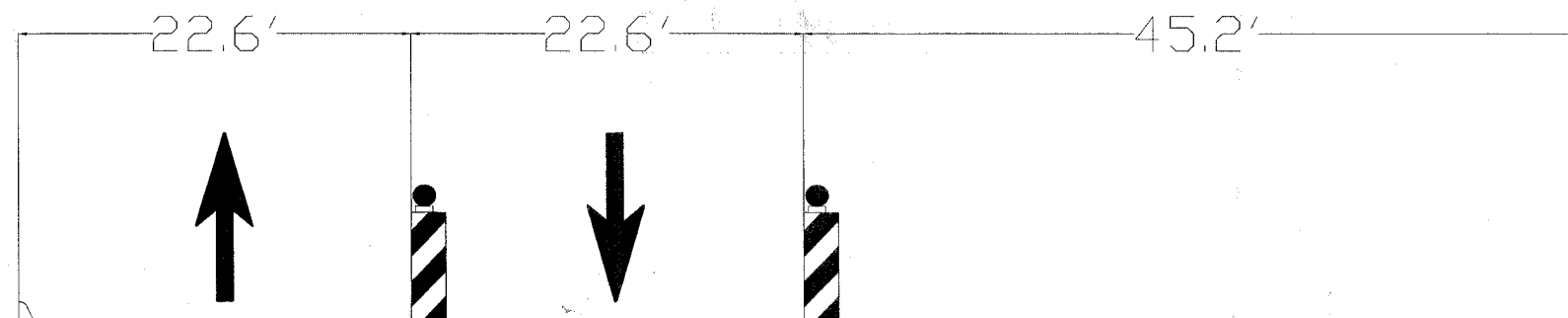
Stage 1



NOTE:

DEVICES SEPARATING TRAFFIC SHALL BE
VERTICAL BARRICADES WITH LIGHTS
(SEE HIGHWAY STANDARD 701901 FOR DETAIL).

Stage 2



#06-00180-00-RS
STAGING TYPICAL 8534

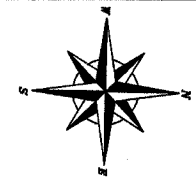
**CITY OF ROCK ISLAND
ENGINEERING DIVISION**

24th Street Resurfacing

25th Avenue to 31st Avenue

Job Number	2569	Date	3-31-2007
Computer Drawing Name	2569 typ section.dwg	By	mdw
		Sheet	24
		Of	38





SCALE: 1"=200'

24th Street CONSTRUCTION

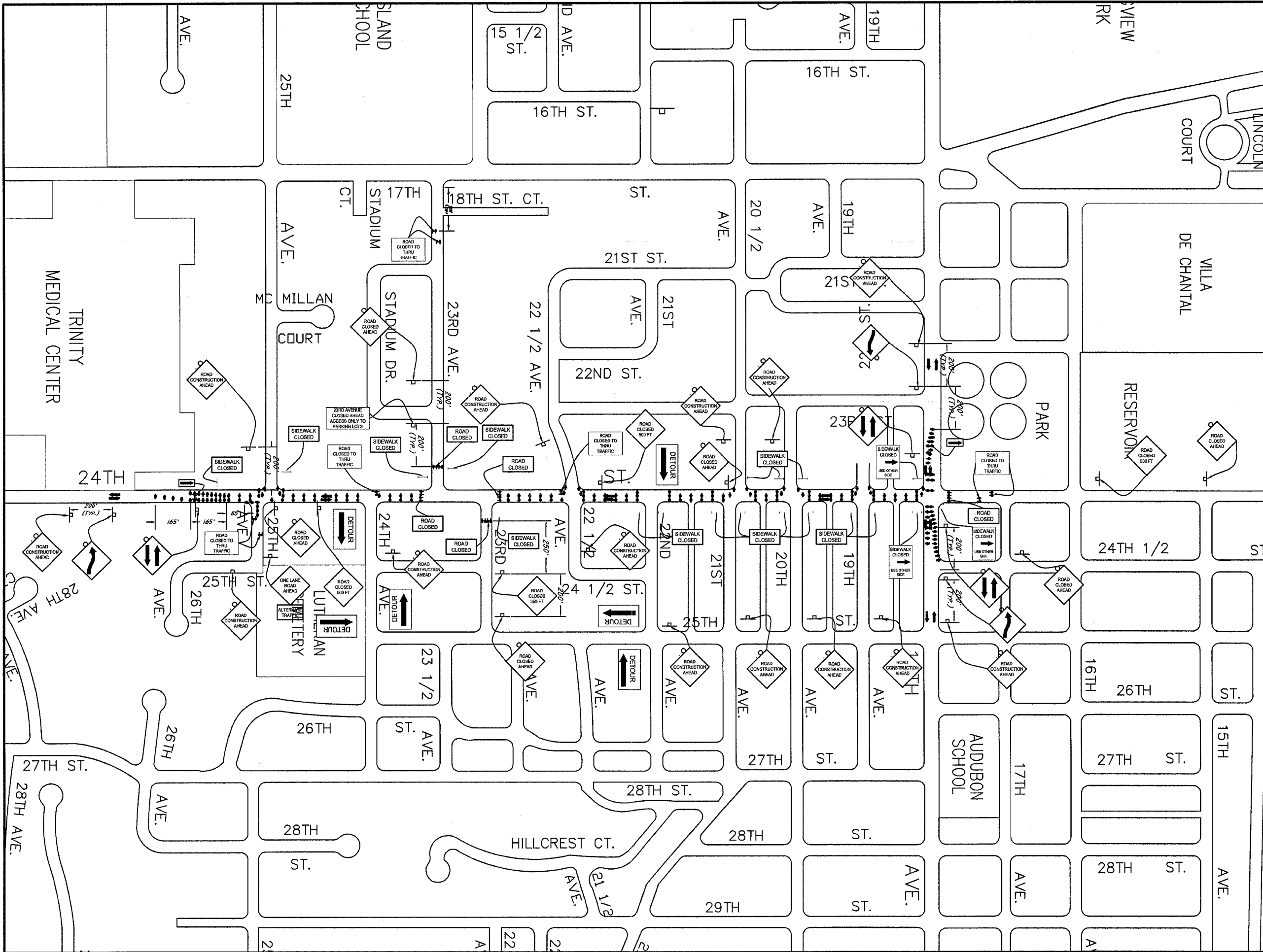
18th Ave to 25th Ave

Schedule of Signs

1. Road Construction Ahead W20-1(0)-48	14 Each
2. Road Closed Ahead W20-3(o)-36	10 Each
3. Weave W1-4L(o)-48	3 Each
4. 2 Way Traffic W6-3	3 Each
5. Road Closed R11-2	5 Each
6. Road Closed to Thru Traffic R11-4	7 Each
7. Detour M4-9	6 Each
8. Sidewalk Closed R11-101-2418	16 Each
9. Sidewalk Closed Use Other Side R11-102-2418	3 Each
10. One Lane Road Ahead W20-4(0)-48	1 Each

LEGEND

- SIGN
- TYPE II BARRICADES OR DRUMS W/LIGHT
- TYPE II BARRICADES OR DRUMS
- TYPE III BARRICADES W/LIGHT
- DRUMS W/STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIERS
- ARROW BOARD



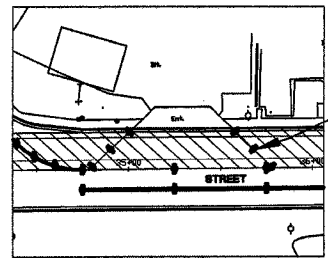
85434

L.A # 08-00180-00-RS
Traffic Control Detail

CITY OF ROCK ISLAND
ENGINEERING DIVISION

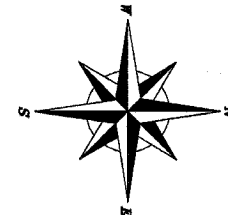
24th Street Resurfacing
18th Avenue to 25th Avenue

Job Number	2669	Date	11-20-2007
Computer Drawing Name	2669 Traffic Control	By	MSB
		Sheet	06
		of	28

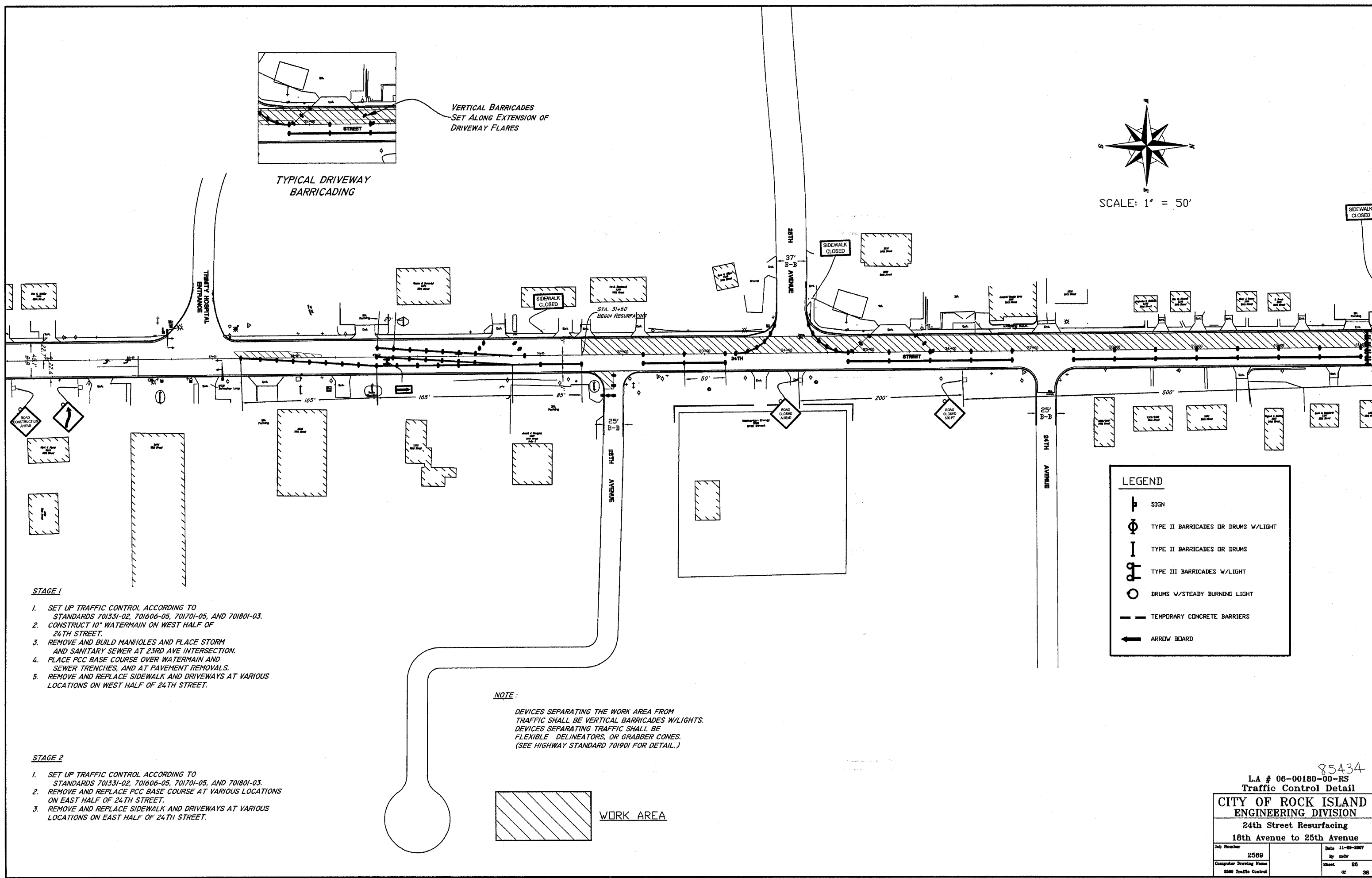


VERTICAL BARRICADES
SET ALONG EXTENSION OF
DRIVEWAY FLARES

TYPICAL DRIVEWAY
BARRICADING



SCALE: 1" = 50'



STAGE 1

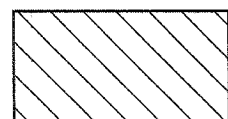
1. SET UP TRAFFIC CONTROL ACCORDING TO STANDARDS 701331-02, 701606-05, 701701-05, AND 701801-03.
2. CONSTRUCT 10" WATERMAIN ON WEST HALF OF 24TH STREET.
3. REMOVE AND BUILD MANHOLES AND PLACE STORM AND SANITARY SEWER AT 23RD AVE INTERSECTION.
4. PLACE PCC BASE COURSE OVER WATERMAIN AND SEWER TRENCHES, AND AT PAVEMENT REMOVALS.
5. REMOVE AND REPLACE SIDEWALK AND DRIVEWAYS AT VARIOUS LOCATIONS ON WEST HALF OF 24TH STREET.

STAGE 2

1. SET UP TRAFFIC CONTROL ACCORDING TO STANDARDS 701331-02, 701606-05, 701701-05, AND 701801-03.
2. REMOVE AND REPLACE PCC BASE COURSE AT VARIOUS LOCATIONS ON EAST HALF OF 24TH STREET.
3. REMOVE AND REPLACE SIDEWALK AND DRIVEWAYS AT VARIOUS LOCATIONS ON EAST HALF OF 24TH STREET.

NOTE:

DEVICES SEPARATING THE WORK AREA FROM TRAFFIC SHALL BE VERTICAL BARRICADES W/LIGHTS.
DEVICES SEPARATING TRAFFIC SHALL BE FLEXIBLE DELINEATORS, OR GRABBER CONES.
(SEE HIGHWAY STANDARD 701901 FOR DETAIL.)



WORK AREA

LEGEND

- SIGN
- TYPE II BARRICADES OR DRUMS W/LIGHT
- TYPE II BARRICADES OR DRUMS
- TYPE III BARRICADES W/LIGHT
- DRUMS W/STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIERS
- ARROW BOARD

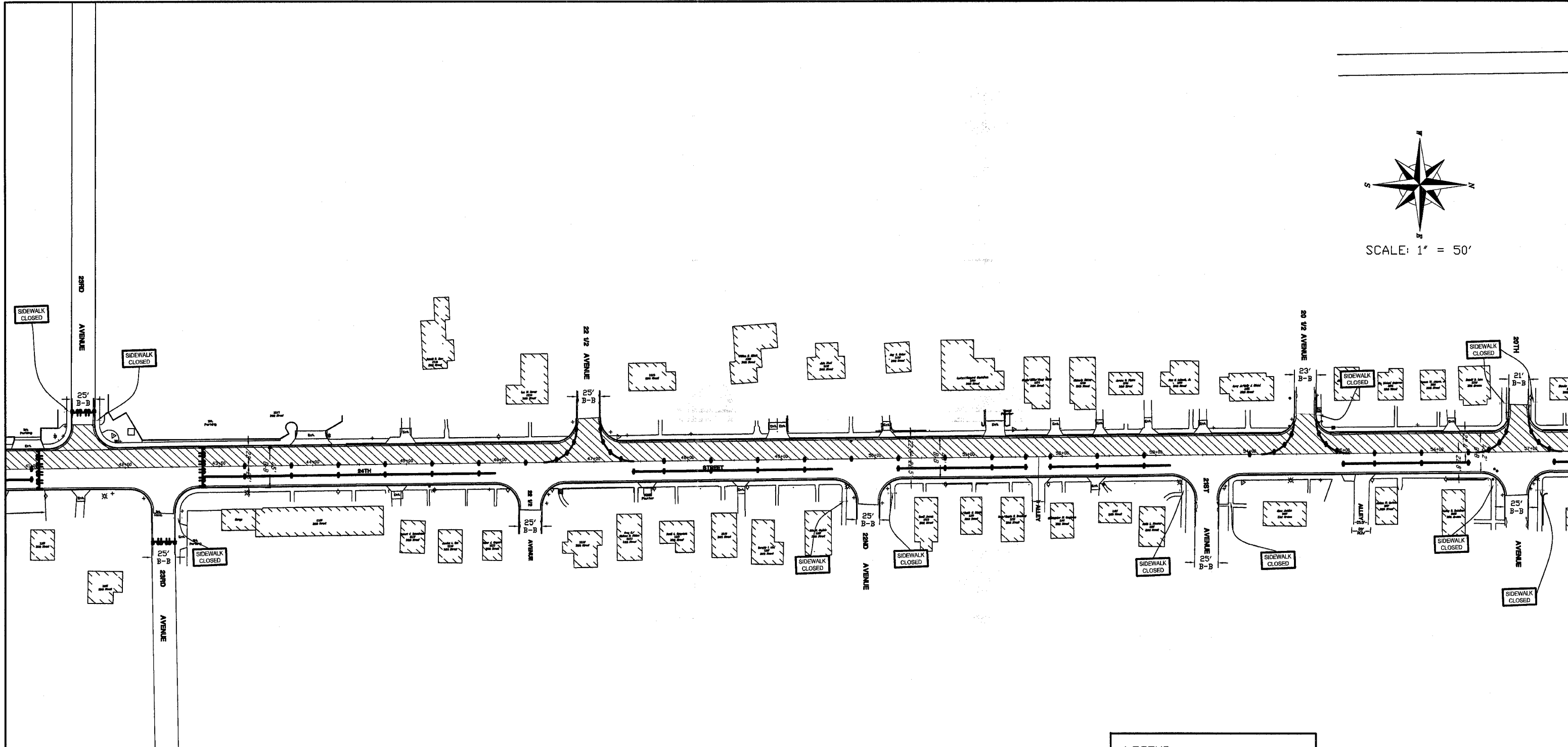
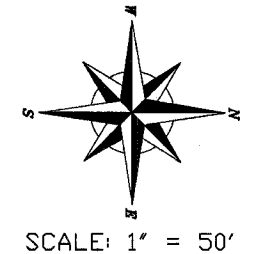
85434

L.A # 06-00180-00-RS
Traffic Control Detail

**CITY OF ROCK ISLAND
ENGINEERING DIVISION**

**24th Street Resurfacing
18th Avenue to 25th Avenue**

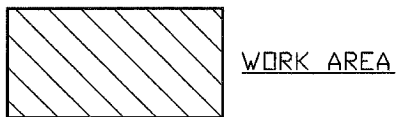
<small>Job Number</small> 2569	<small>Date</small> 11-20-2007
<small>Computer Drawing Name</small> 2569 Traffic Control	<small>By</small> mdr <small>Sheet</small> 26 <small>of</small> 38



- STAGE 1**
1. SET UP TRAFFIC CONTROL ACCORDING TO STANDARDS 701331-02, 701606-05, 701701-05, AND 701801-03.
 2. CONSTRUCT 10" WATERMAIN ON WEST HALF OF 24TH STREET.
 3. REMOVE AND BUILD MANHOLES AND PLACE STORM AND SANITARY SEWER AT 23RD AVE INTERSECTION.
 4. PLACE PCC BASE COURSE OVER WATERMAIN AND SEWER TRENCHES, AND AT PAVEMENT REMOVALS.
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NOTE:
 DEVICES SEPARATING THE WORK AREA FROM TRAFFIC SHALL BE VERTICAL BARRICADES W/LIGHTS. DEVICES SEPARATING TRAFFIC SHALL BE FLEXIBLE DELINEATORS, OR GRABBER CONES. (SEE HIGHWAY STANDARD 701901 FOR DETAIL.)

- STAGE 2**
1. SET UP TRAFFIC CONTROL ACCORDING TO STANDARDS 701331-02, 701606-05, 701701-05, AND 701801-03.
 2. REMOVE AND REPLACE PCC BASE COURSE AT VARIOUS LOCATIONS ON EAST HALF OF 24TH STREET.
 3. REMOVE AND REPLACE SIDEWALK AND DRIVEWAYS AT VARIOUS LOCATIONS ON EAST HALF OF 24TH STREET.



LEGEND	
	SIGN
	TYPE II BARRICADES OR DRUMS W/LIGHT
	TYPE II BARRICADES OR DRUMS
	TYPE III BARRICADES W/LIGHT
	DRUMS W/STEADY BURNING LIGHT
	TEMPORARY CONCRETE BARRIERS
	ARRDV BOARD

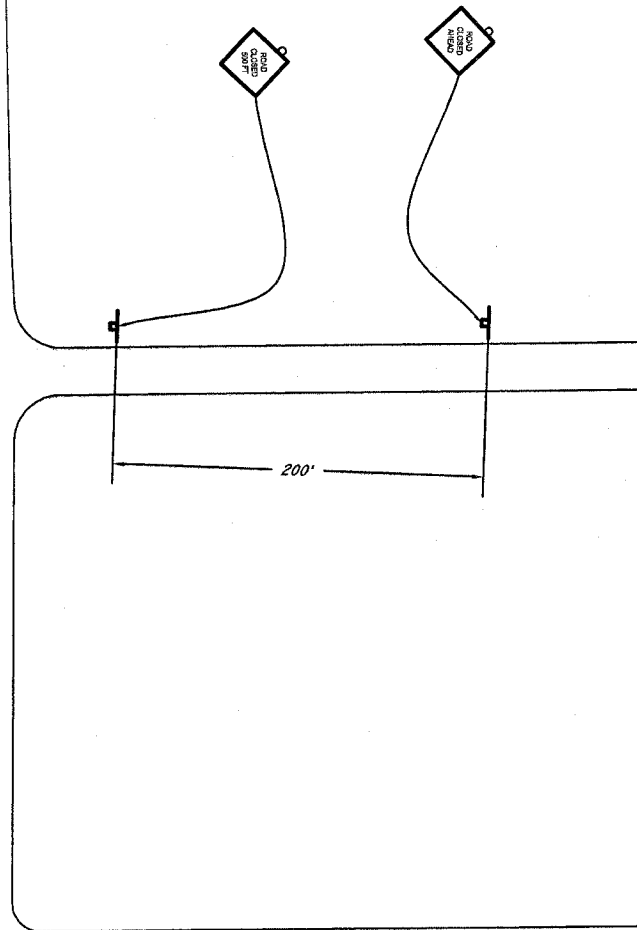
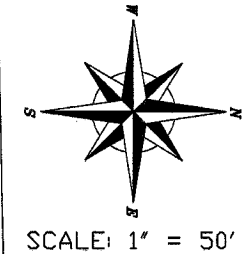
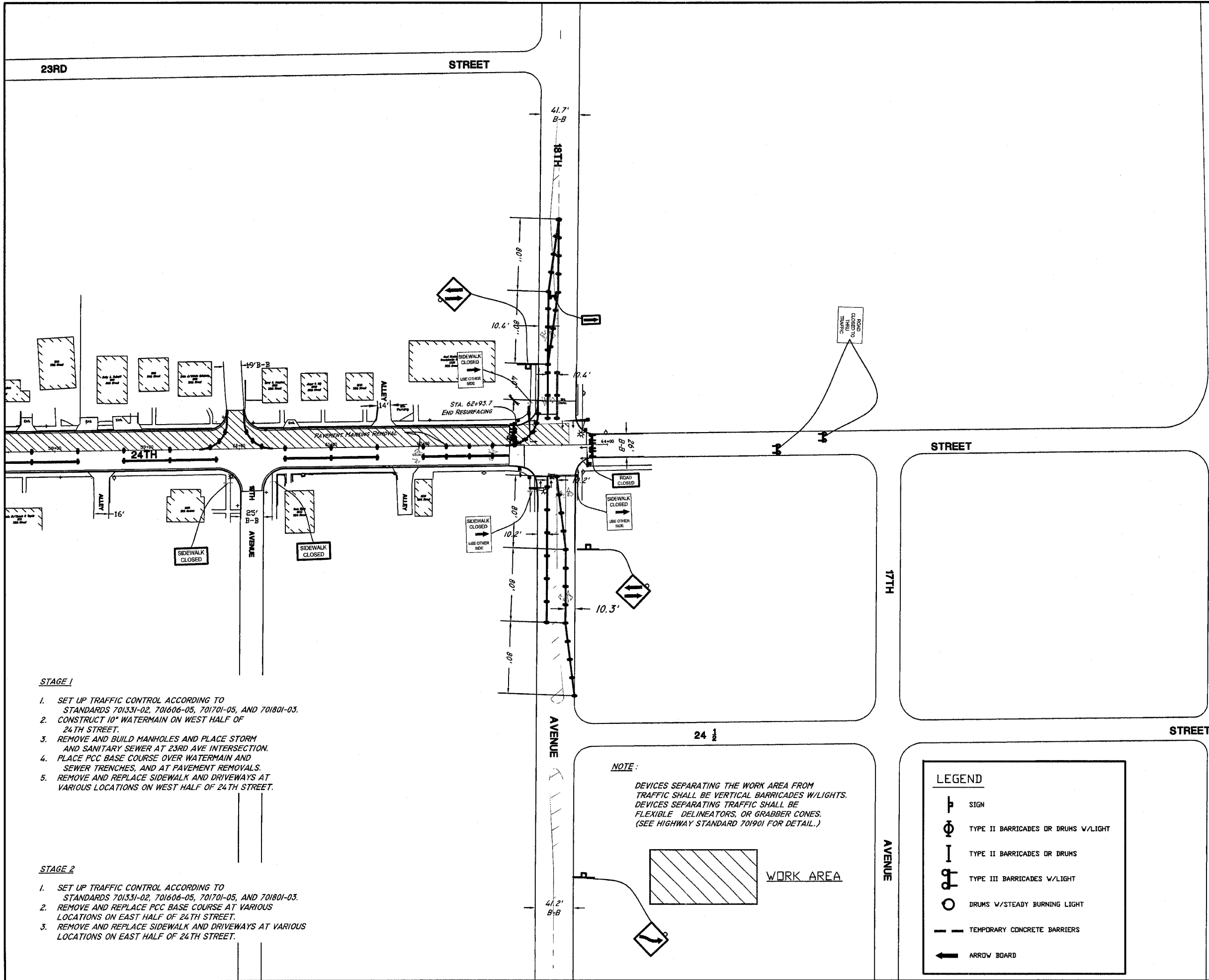
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L.A # 06-00180-00-RS
Traffic Control Detail

**CITY OF ROCK ISLAND
 ENGINEERING DIVISION**

**24th Street Resurfacing
 18th Avenue to 25th Avenue**

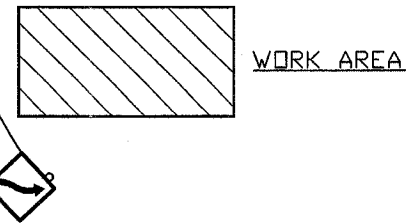
Job Number 2569	Date 11-20-2007
Computer Drawing Name 2569 Traffic Control	By msh
	Sheet 27
	of 38



- STAGE 1**
1. SET UP TRAFFIC CONTROL ACCORDING TO STANDARDS 701331-02, 701606-05, 701701-05, AND 701801-03.
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- STAGE 2**
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LEGEND

	SIGN
	TYPE II BARRICADES OR DRUMS W/LIGHT
	TYPE II BARRICADES OR DRUMS
	TYPE III BARRICADES W/LIGHT
	DRUMS W/STEADY BURNING LIGHT
	TEMPORARY CONCRETE BARRIERS
	ARROW BOARD

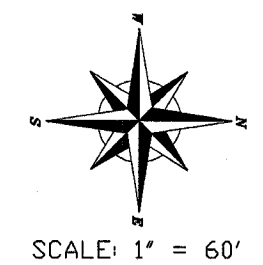
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L.A # 08-00180-00-RS
 Traffic Control Detail

**CITY OF ROCK ISLAND
 ENGINEERING DIVISION**

**24th Street Resurfacing
 18th Avenue to 25th Avenue**

Job Number 2569	Date 11-20-2007
Computer Drawing Name 8549 Traffic Control	By [Signature]
	Sheet 28
	of 38



LEGEND	
	SIGN
	TYPE II BARRICADES OR DRUMS W/LIGHT
	TYPE II BARRICADES OR DRUMS
	TYPE III BARRICADES W/LIGHT
	DRUMS W/STEADY BURNING LIGHT
	TEMPORARY CONCRETE BARRIERS
	ARROW BOARD

STAGE 1

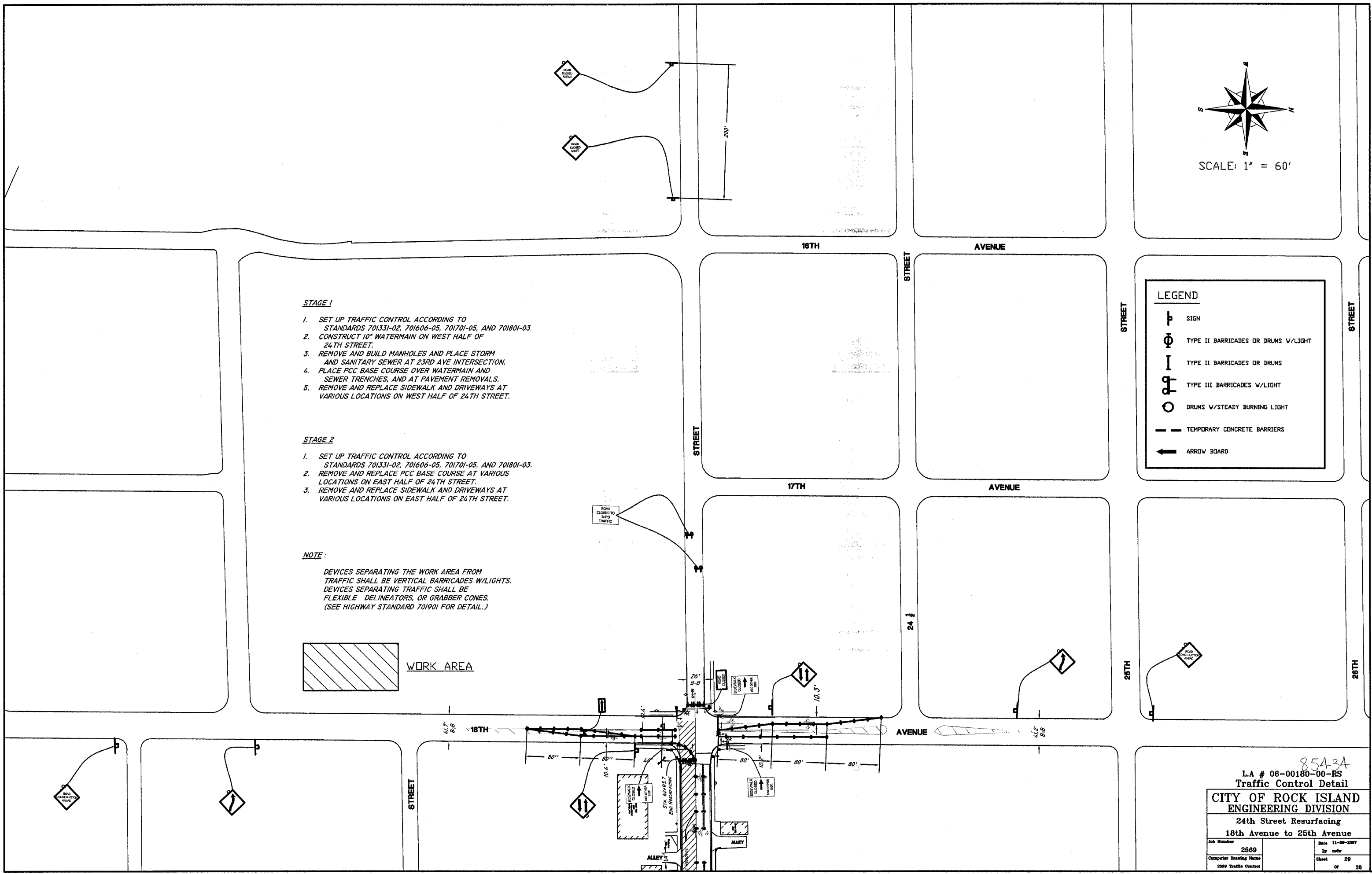
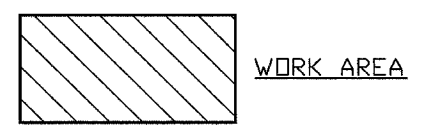
1. SET UP TRAFFIC CONTROL ACCORDING TO STANDARDS 701331-02, 701606-05, 701701-05, AND 701801-03.
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STAGE 2

1. SET UP TRAFFIC CONTROL ACCORDING TO STANDARDS 701331-02, 701606-05, 701701-05, AND 701801-03.
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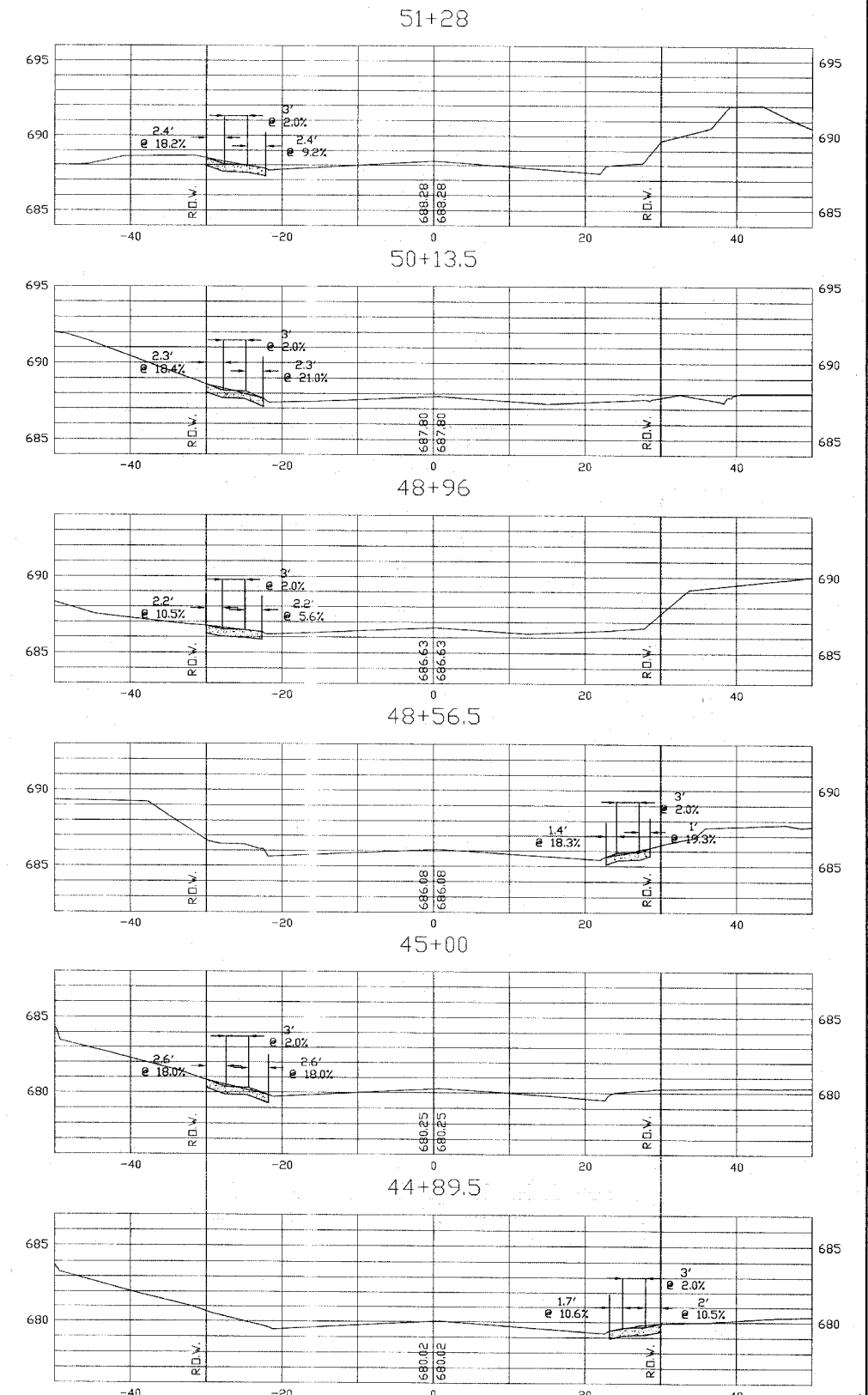
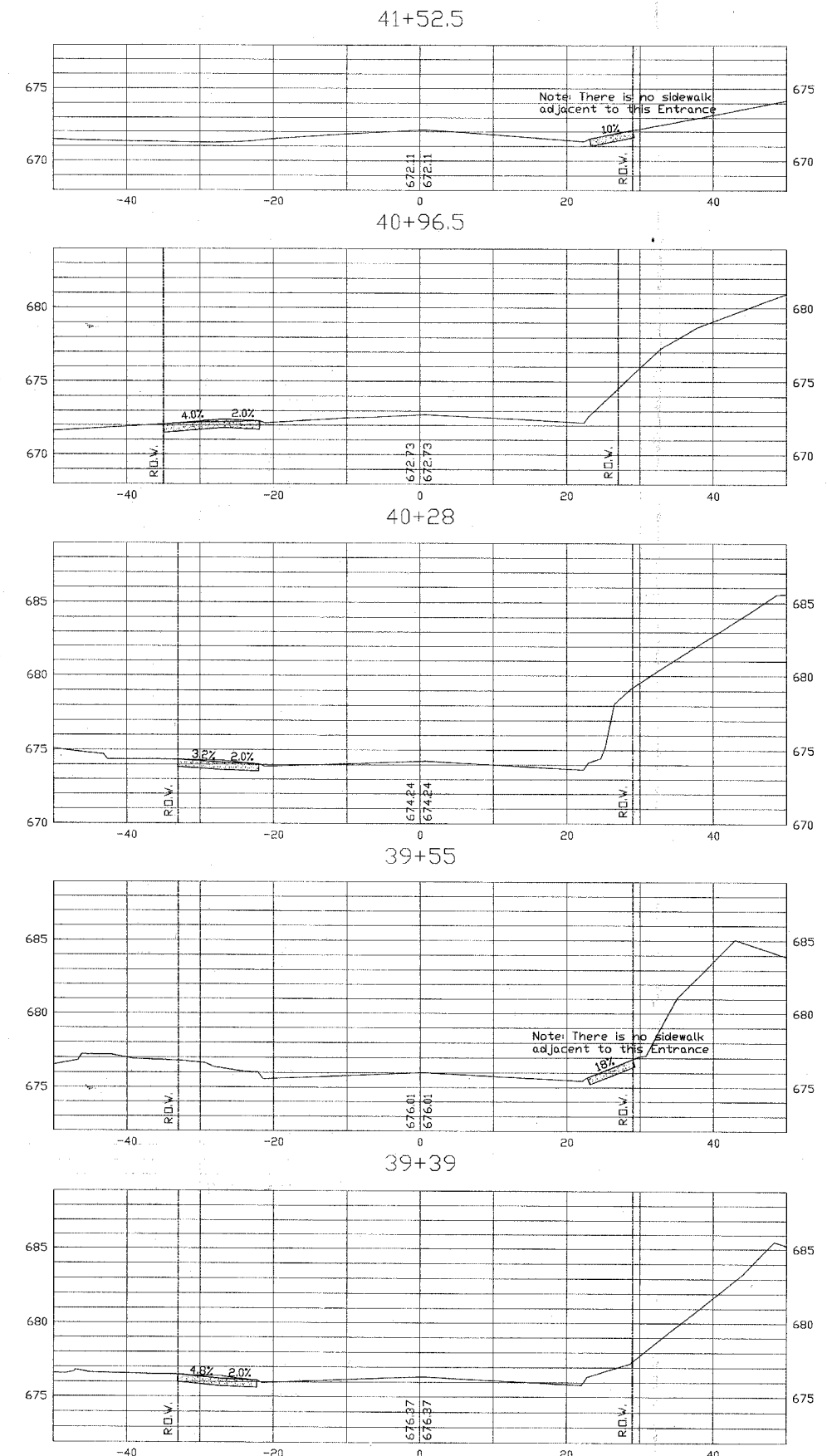
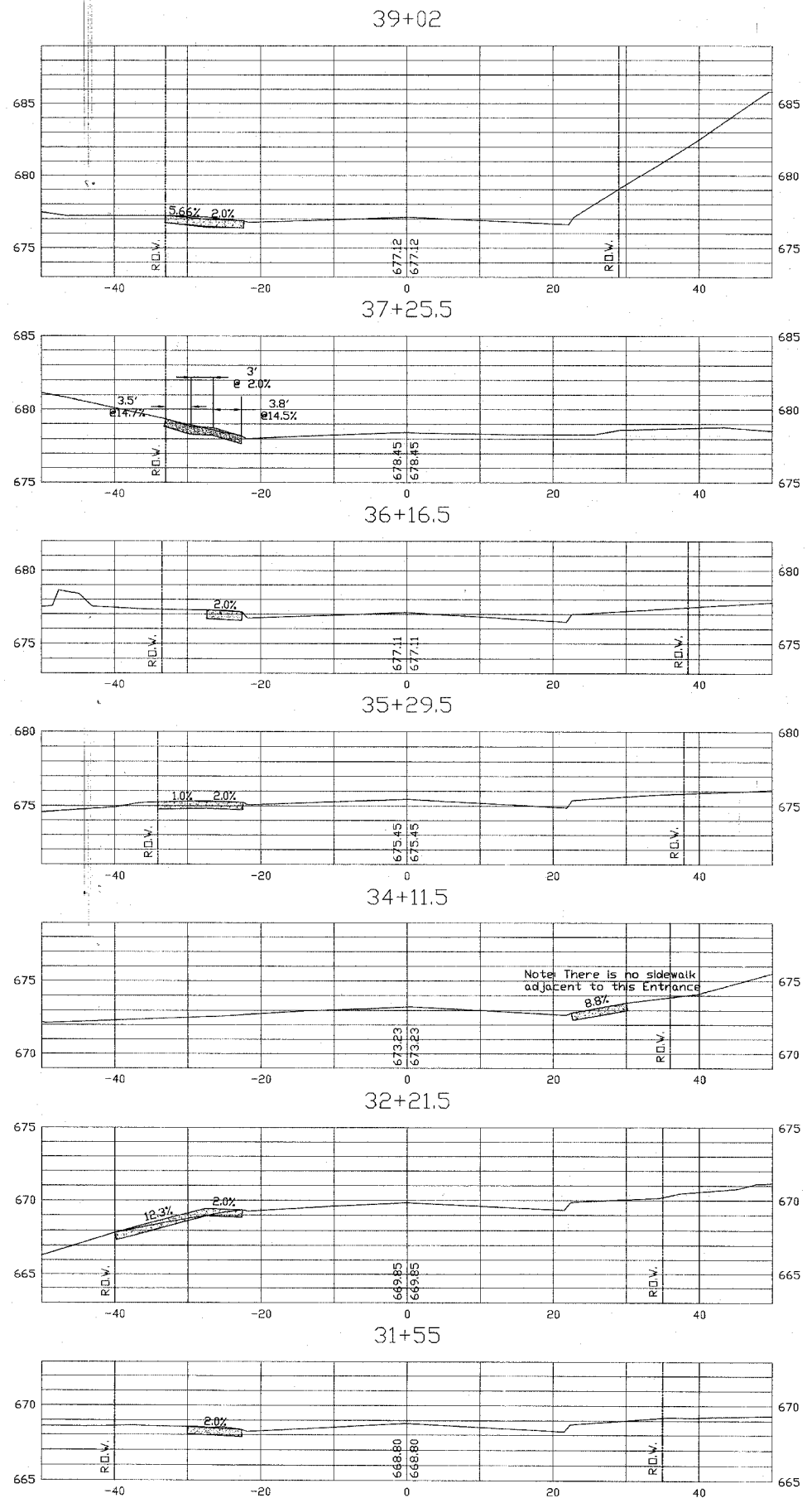


8543A
L.A. # 08-00180-00-RS
Traffic Control Detail

**CITY OF ROCK ISLAND
ENGINEERING DIVISION**

24th Street Resurfacing
18th Avenue to 25th Avenue

Job Number 2569	Date 11-20-2007
Computer Drawing Name 2069 Traffic Control	By msh
	Sheet 29
	of 38



85A3A

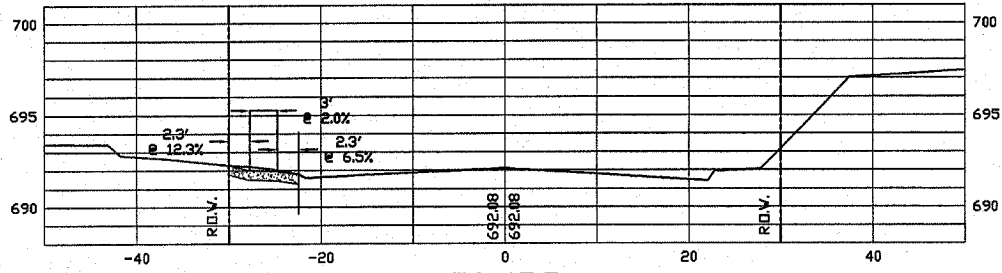
Section #06-00180-00-RS
Driveway Cross Sections

CITY OF ROCK ISLAND
ENGINEERING DIVISION

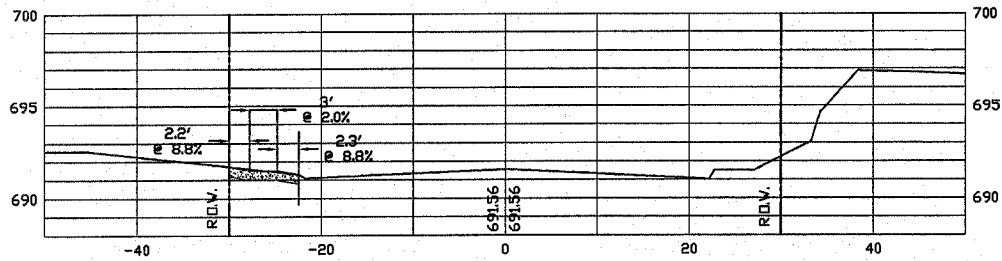
24th Street Resurfacing
18th Avenue to 25th Avenue

Job Number 2569	Date 3-19-2008
Computer Drawing Name ROCK ISLAND	By mdw
Sheet 30	Of 38

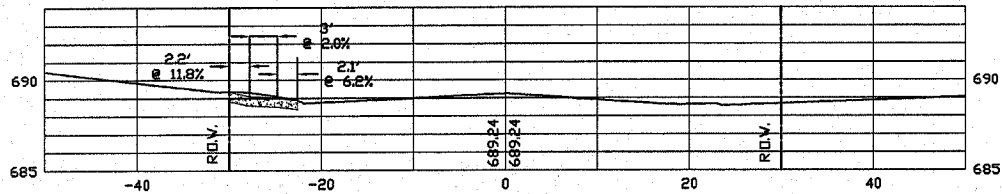
57+69.5



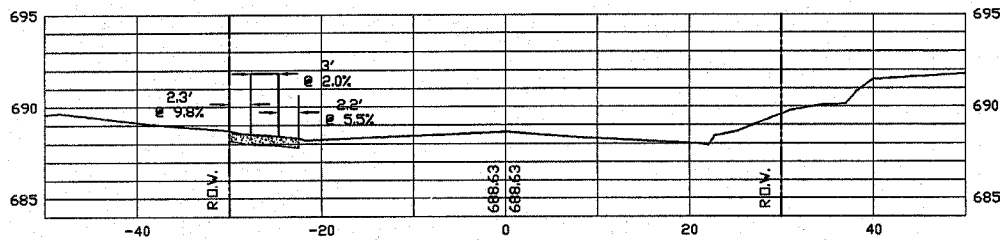
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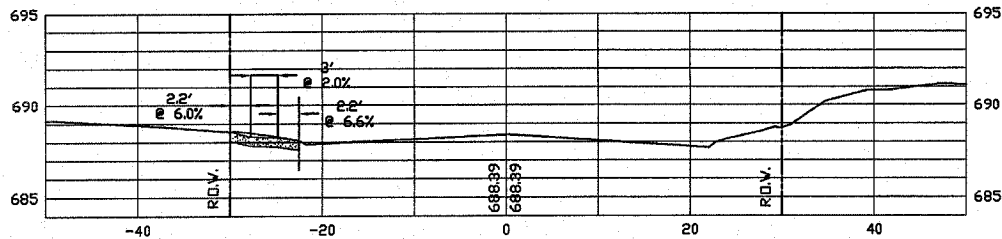
53+50



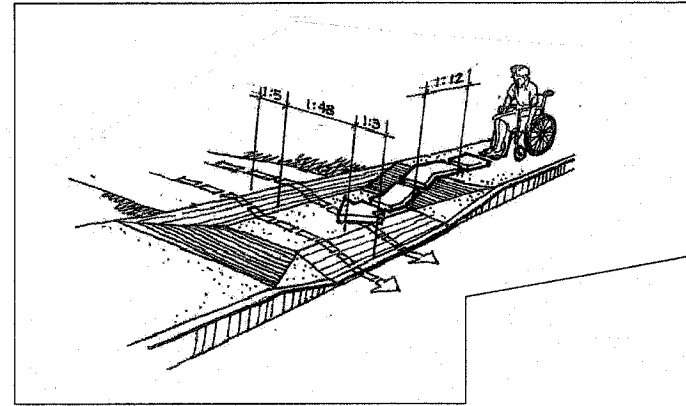
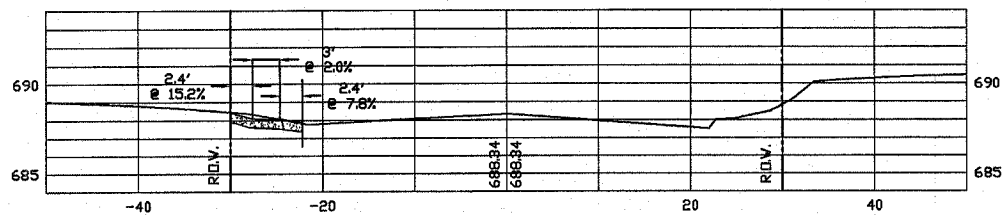
52+93



52+41



51+92.5



Typical Proposed Driveway Section to Meet ADA Standards

All Slopes Shown Are Maximum Allowable

(1:5 Slope = 20%)

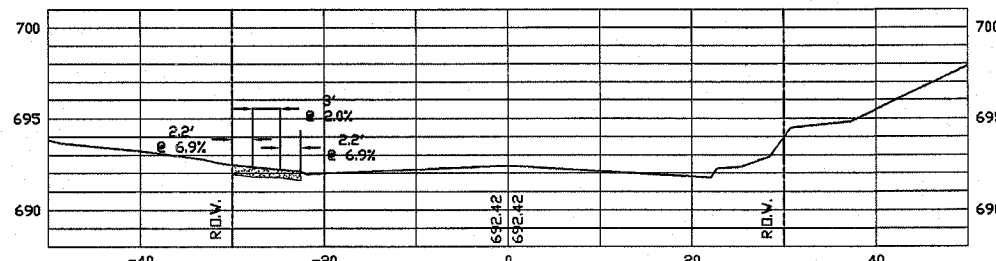
(1:48 Slope = 2%)

(1:12 Slope = 8.33%)

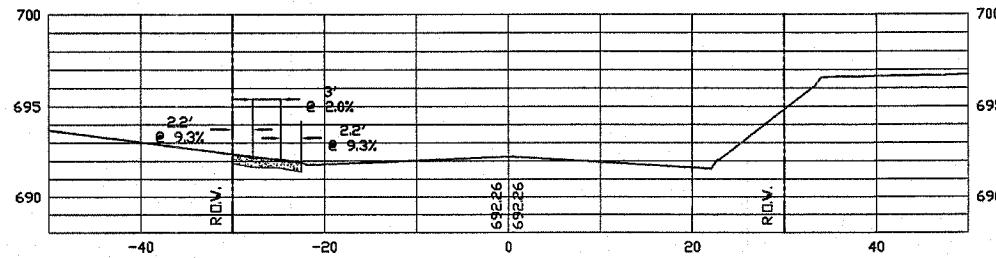
(1:3 Slope = 33%)

(Taken from Accessible Rights-of-Way : A Design Guide Published by the U.S. Architectural and Transportation Barriers Compliance Board)

58+80



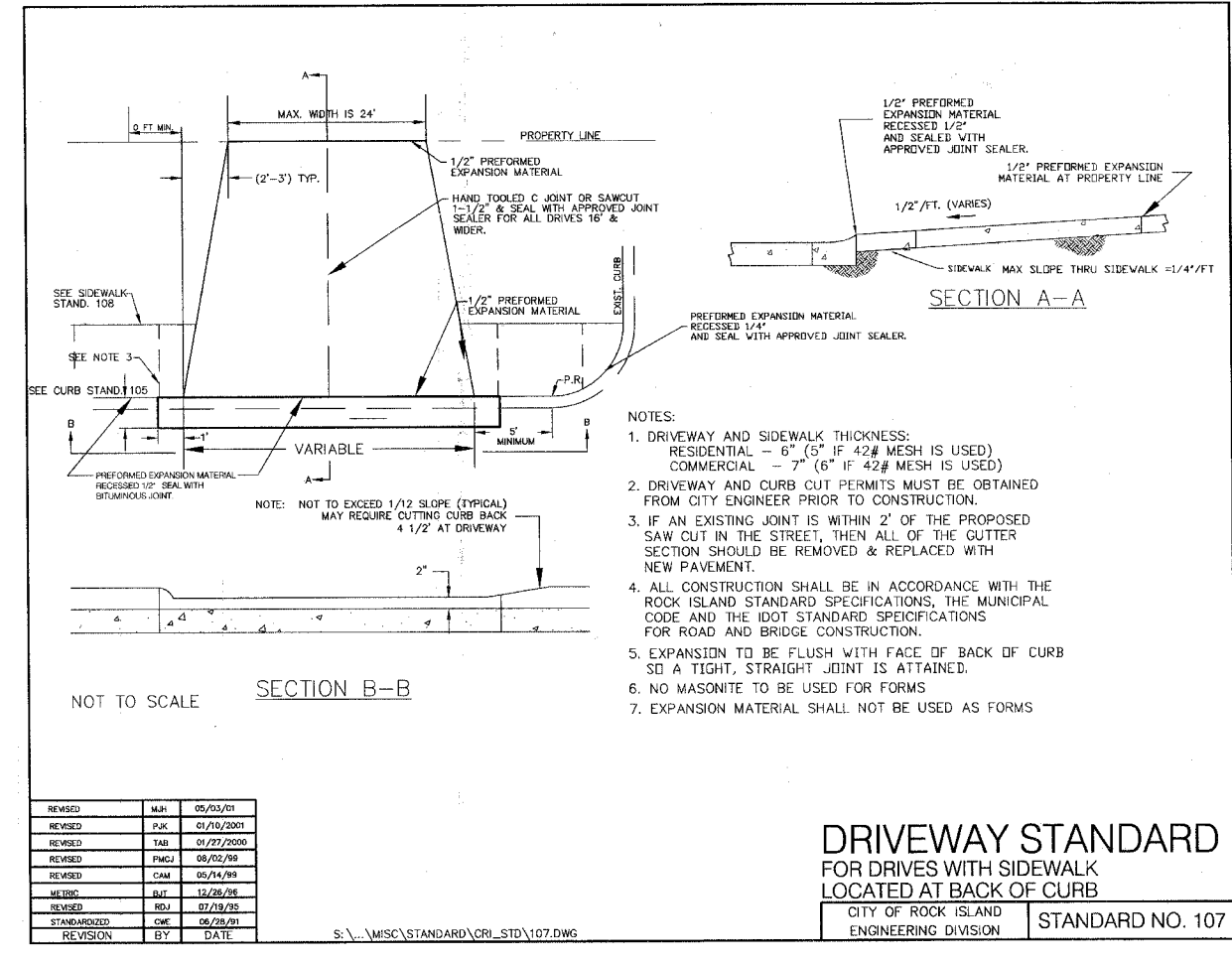
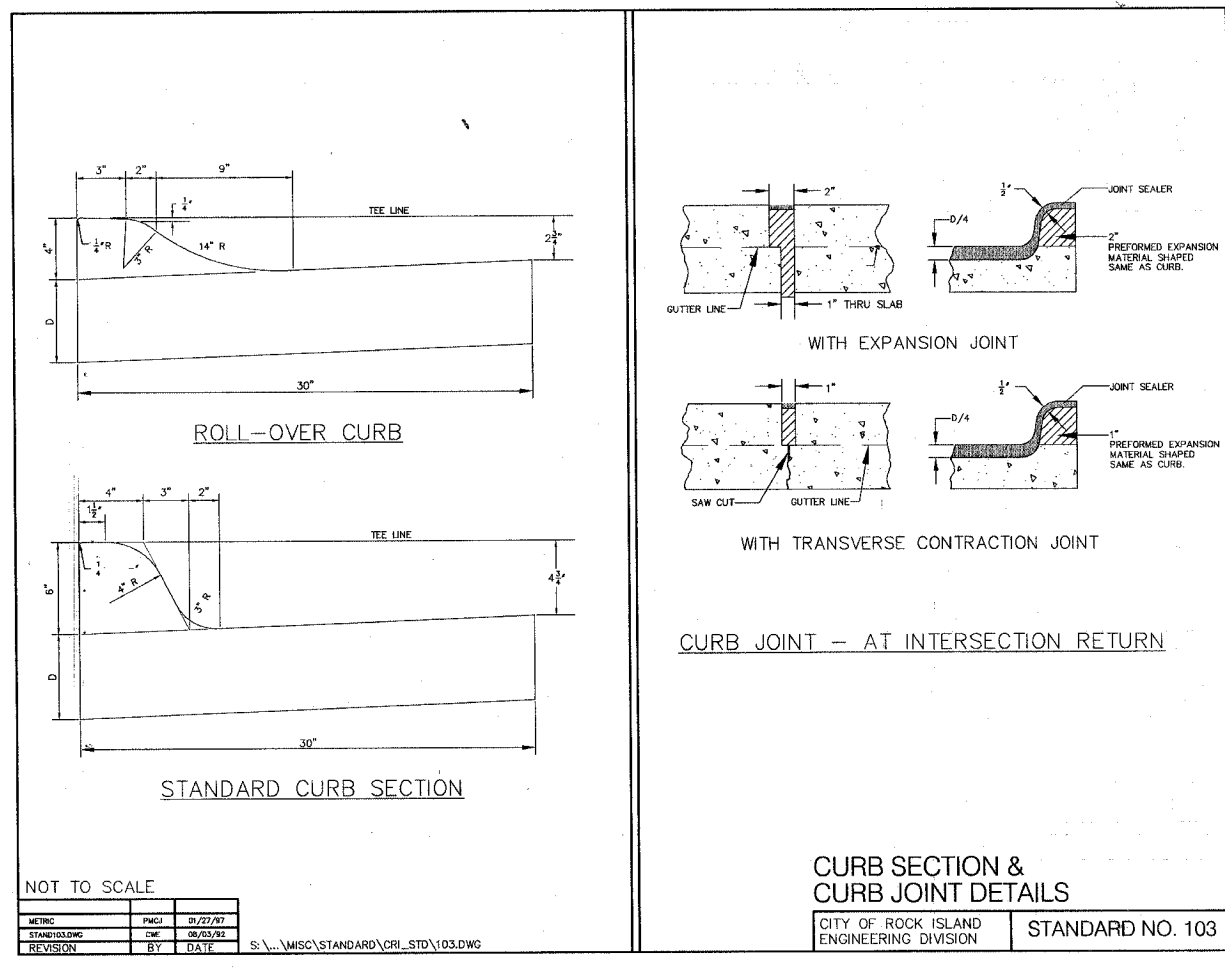
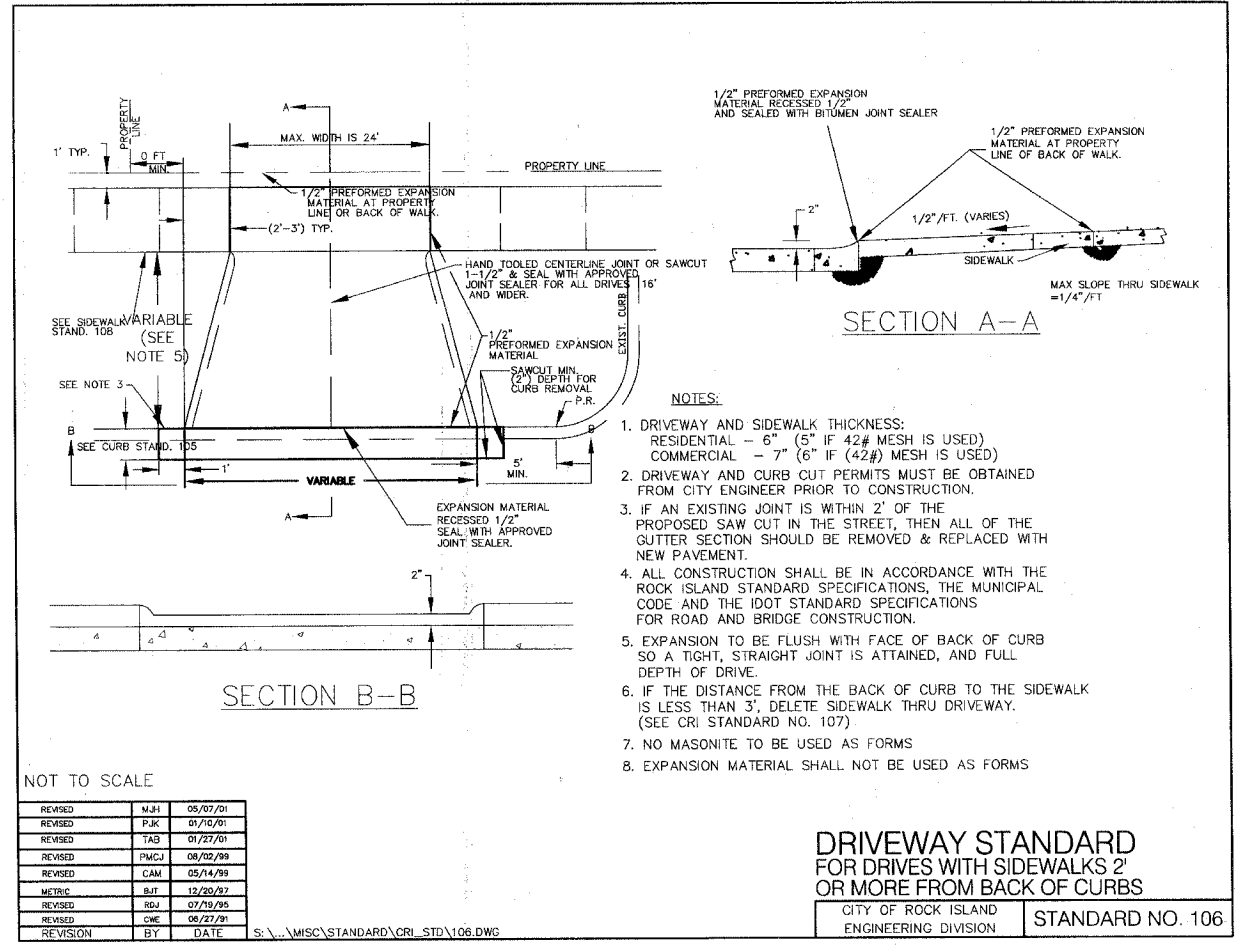
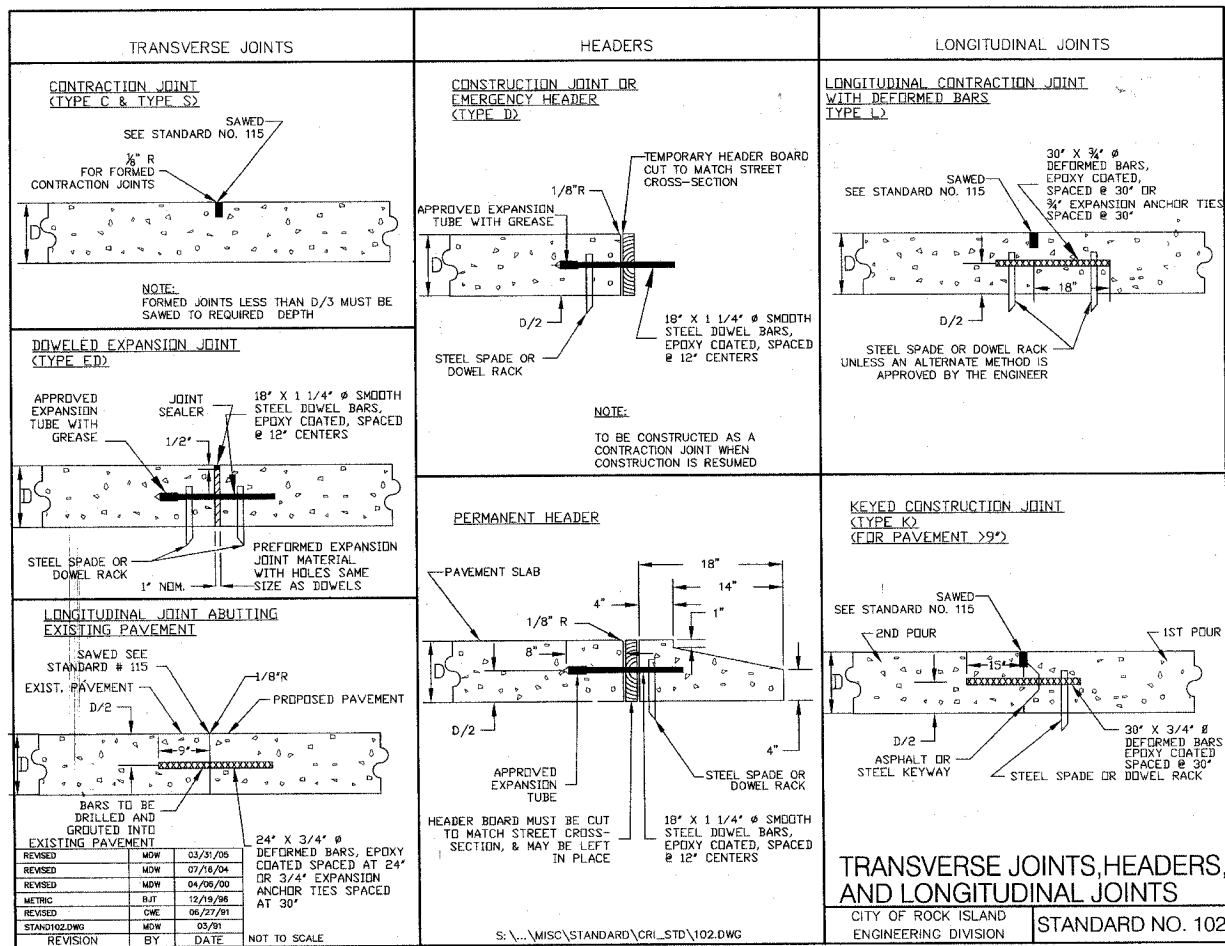
58+34.5



85434

Section #06-00180-00-RS
Driveway Cross Sections
CITY OF ROCK ISLAND
ENGINEERING DIVISION
 24th Street Resurfacing
 18th Avenue to 25th Avenue

<small>Job Number</small>	<small>Date</small>
2569	3-19-2005
<small>Computer Drawing Name</small>	<small>By</small>
	mdv
<small>Sheet</small>	<small>Of</small>
31	38



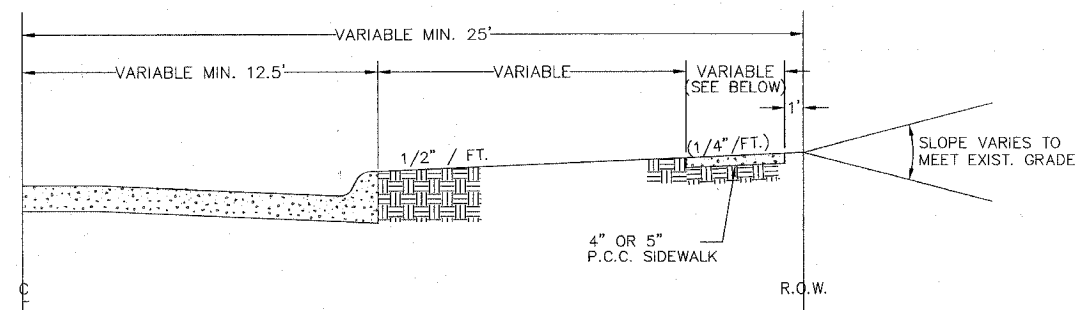
85434
 06-00180-00-RS
 C.R.I. STANDARD DETAILS

CITY OF ROCK ISLAND ENGINEERING DIVISION

24th Street Resurfacing
 18th to 25th Avenue

Job Number	2569	Date	3-07-08
Computer Drawing Name	2569 Standard Details	By	mdw
		Sheet	32
		Of	38

DRIVEWAY STANDARD FOR DRIVES WITH SIDEWALK LOCATED AT BACK OF CURB
 CITY OF ROCK ISLAND ENGINEERING DIVISION STANDARD NO. 107



- NOTES
- A. SIDEWALK PERMITS SHALL BE OBTAINED FROM THE CITY ENGINEER PRIOR TO CONSTRUCTION.
 - B. SIDEWALK JOINTS
 - 1. EXPANSION JOINTS: A 1/2" X 4" OR 5" PREMOULDED BITUMINOUS EXPANSION JOINT SHALL BE INSTALLED FOR EVERY 100 FEET OF WALK, AND WHENEVER THE WALK ABUTS AGAINST A CURB, DRIVE APPROACH, FIRE HYDRANT, INTERSECTING SIDEWALK OR BUILDING. JOINTS AT CURBS SHALL BE SEALED WITH APPROVED JOINT SEALER.
 - 2. CONTRACTION OR DUMMY JOINTS: THE SIDEWALK SURFACE SHALL BE DIVIDED BY GROOVES CONSTRUCTED AT RIGHT ANGLES TO THE CENTER LINE OF THE SIDEWALK. THESE GROOVES SHALL EXTEND TO 1/4" THE DEPTH OF THE SIDEWALK, AND SHALL BE SET NOT LESS THAN 1/8" AND NOT MORE THAN 1/4" IN WIDTH, AND SHALL BE EDGED WITH AN EDGING TOOL HAVING A 1/4" RADIUS. NO SLAB SHALL BE LONGER THAN 6', NOR LESS THAN 4', ON ANY ONE SIDE. THE EDGES OF ALL THE SLABS SHALL ALSO BE EDGED.
 - C. VARIANCE FROM STANDARD
 - 1. ANY VARIANCE FROM THIS STANDARD SHALL BE SUBMITTED TO THE CITY ENGINEER IN WRITTEN FORM FOR APPROVAL PRIOR TO ISSUANCE OF SIDEWALK PERMIT.
 - D. NO MASONITE MATERIAL TO BE USED FOR FORMS.
 - E. EXPANSION MATERIAL SHALL NOT BE USED AS FORMS.

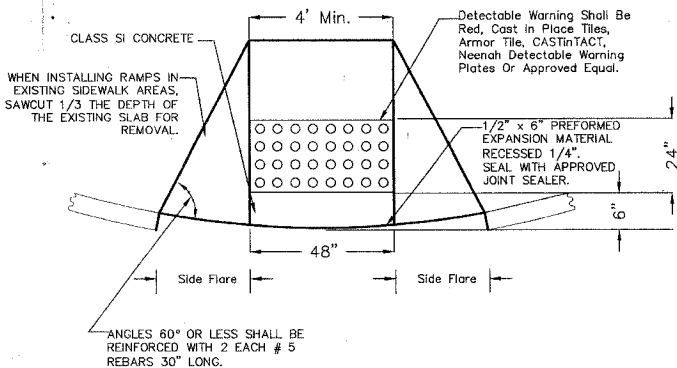
SIDEWALK SPECIFICATIONS		
AREA ZONING/LAND USE	WIDTH	THICKNESS
SINGLE FAMILY RESIDENCE	4'	4" or 5"
MULTIPLE FAMILY	5'	4" or 5"
COMMERCIAL OR BUSINESS	10'	5"

NOT TO SCALE

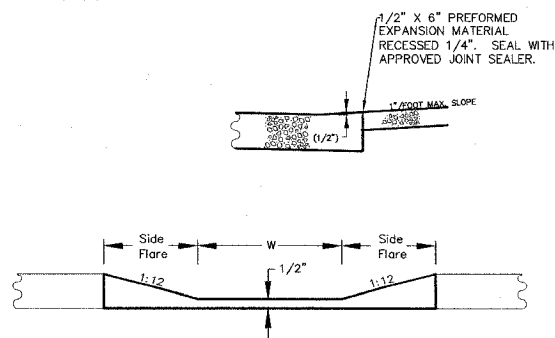
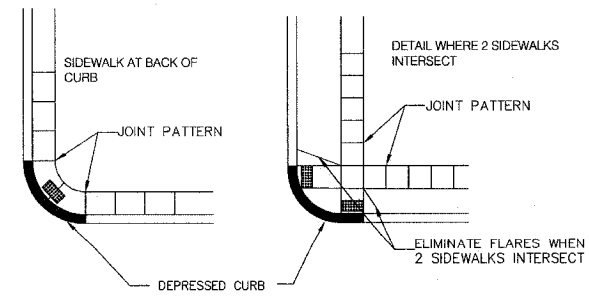
REVISION	BY	DATE
REVISED	MDW	03/25/08
REVISED	MDW	05/04/01
REVISED	PJK	01/15/2001
REVISED	CAW	05/14/99
REVISED	MDW	12/29/98
REVISION	BY	DATE

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TYPICAL SIDEWALK AND GRADING PLAN
CITY OF ROCK ISLAND ENGINEERING DIVISION STANDARD NO. 108



- NOTE:
1. THE EXACT LOCATION AND QUANTITY OF RAMPS AT EACH INTERSECTION SHALL BE DETERMINED INDIVIDUALLY BY THE ENGINEER DUE TO DIFFERENCES OF TRAFFIC FLOW, STREET WIDTHS, AND RADIUS LENGTHS.
 2. SEE CURB CUT DETAIL, STANDARD NO. 103, FOR MEETING DIFFERENT TYPES OF STREET PAVING. CONCRETE THICKNESS SHALL BE 6".
 3. SIDEWALK TO BE THOROUGHLY SPADED.
 4. NO MASONITE TO BE USED FOR FORMS.
 5. EXPANSION MATERIAL SHALL NOT BE USED AS FORMS.

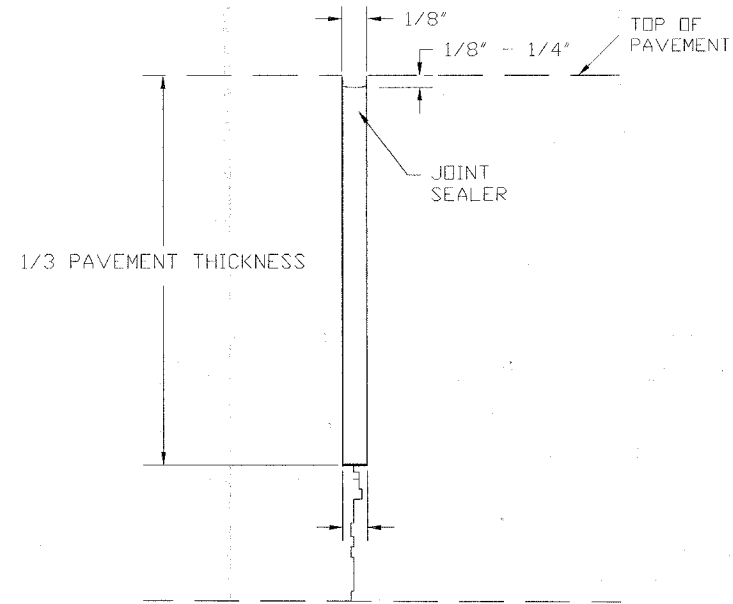


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REVISION	BY	DATE
REVISED	MDW	11/19/2005
REVISED	TAB	10/18/2003
REVISED	PJK	01/15/2001
REVISED	TAB	01/27/2000
REVISED	PJK	01/27/97
REVISED	PJK	12/14/96
REVISED	MDW	01/27/94
STANDARDIZED	CVE	06/28/91

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PCC PEDESTRIAN CURB RAMPS
CITY OF ROCK ISLAND ENGINEERING DIVISION STANDARD NO. 109A

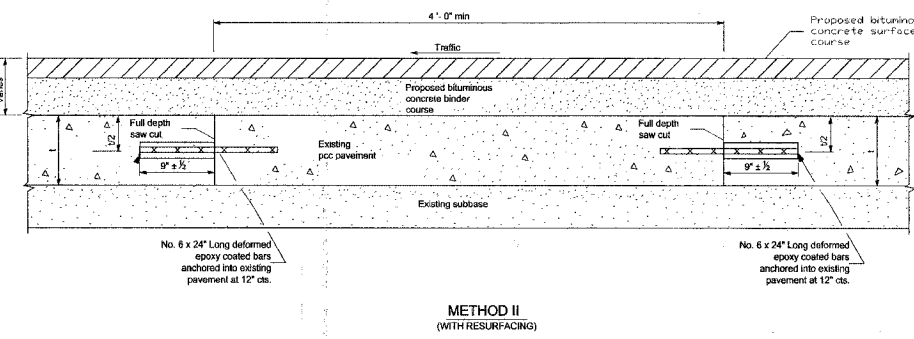
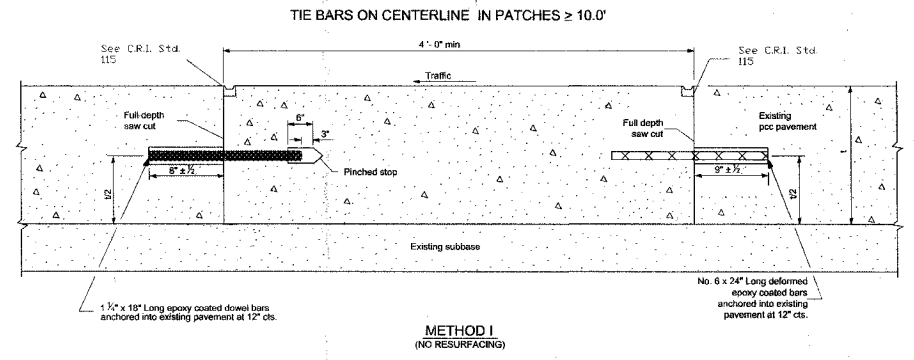


1. AFTER SAWING, BLOW WITH OIL- AND WATER- FREE COMPRESSED AIR TO ELIMINATE DEBRIS AND WATER
2. SEAL WITH APPROVED JOINT SEALER

NOT TO SCALE

REVISION	BY	DATE
REVISED	MDW	03/26/08
REVISED	TAB	01/07/00
STANDARDIZED	CVE	06/28/91
REVISION	BY	DATE

DETAIL OF JOINT FILLER
CITY OF ROCK ISLAND ENGINEERING DIVISION STANDARD NO. 115



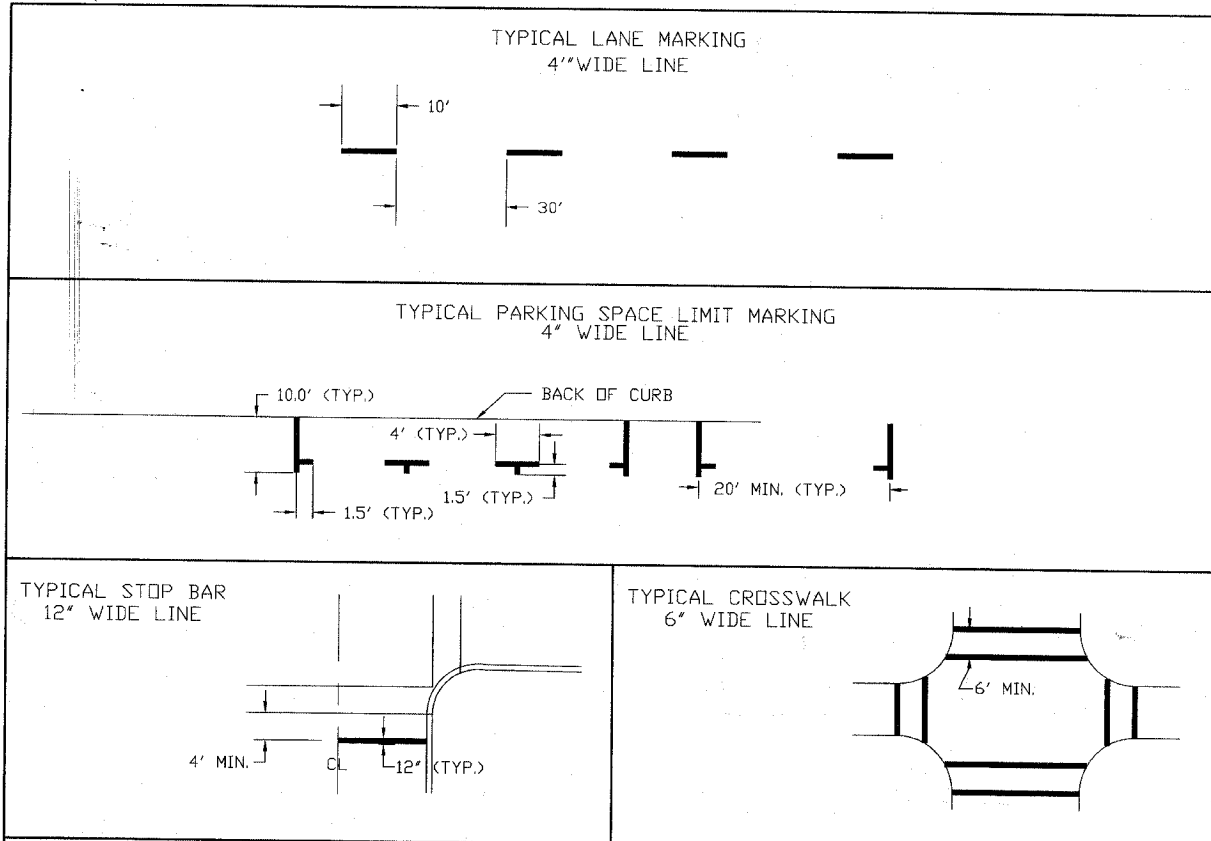
NOT TO SCALE

REVISION	BY	DATE
REVISED	DGW	02/21/08
REVISED	WLC	03/21/07
REVISED	MDW	05/09/05
STANDARDIZED	WLC	04/01/05
REVISION	BY	DATE

CITY OF ROCK ISLAND ENGINEERING DIVISION STANDARD NO. 116

85434
06-00180-00-RS
C.R.I. STANDARD DETAILS
CITY OF ROCK ISLAND ENGINEERING DIVISION

24th Street Resurfacing
18th to 25th Avenue
Job Number 2569
Computer Drawing Name 2569 Standard Details
Date 3-07-08
By mdw
Sheet 33
Of 38
ROCK ISLAND ILLINOIS

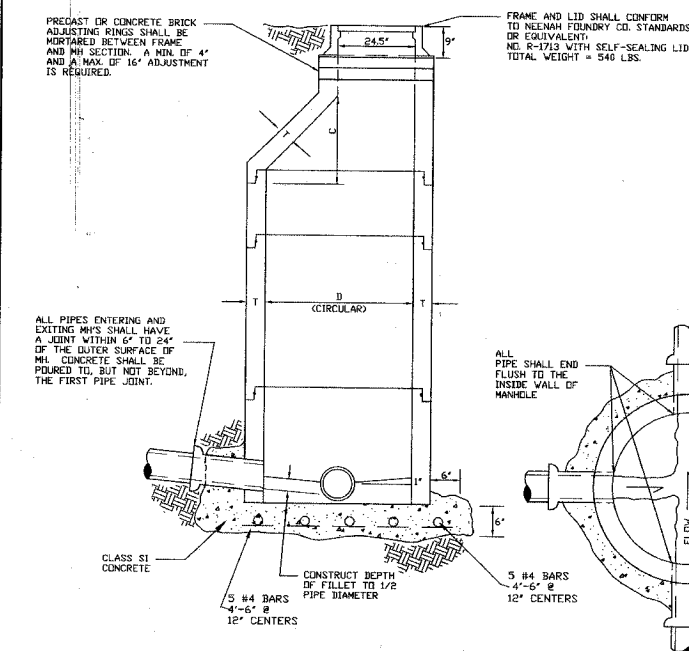


REVISED	GB	10/21/96
STANDARDIZED	CVE	06/28/91
REVISION	BY	DATE

TYPICAL PAVEMENT MARKINGS

CITY OF ROCK ISLAND
ENGINEERING DIVISION

STANDARD NO. 117



ALTERNATE MATERIAL FOR WALLS	D	C	T
PRECAST SECTIONS	4'-0"	3'-2"	5'
POURED WALLS *	4'-0"	3'-2"	6'
	5'-0"	3'-2"	6'

* CLASS SI CONCRETE, VIBRATED, WITH FORMS RIDGED AND TRUE TO VERTICAL ALIGNMENT.

DIAMETER OF MAIN SEWER	D
18" AND UNDER	4'-0"
24" TO 36" INCLUSIVE	5'-0"

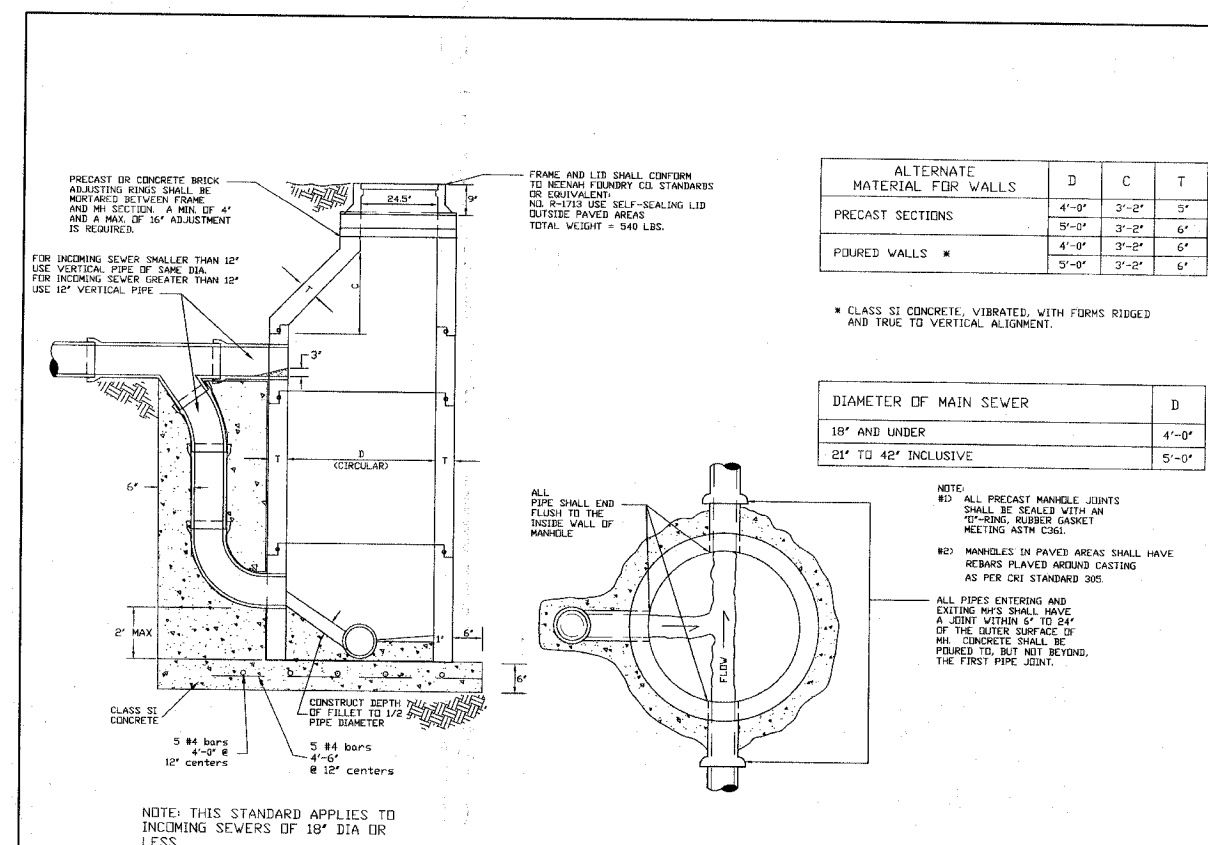
- NOTES:
- NO PIPE SHALL ENTER MANHOLE HIGHER THAN 2" FROM FILLET, UNLESS AN OUTSIDE DROP MH. IS CONSTRUCTED.
 - ALL PRECAST MANHOLE JOINTS SHALL BE SEALED WITH AN O-RING RUBBER GASKET, MEETING ASTM C361.
 - PIPE CONNECTIONS ON MH. WORK ARE INCIDENTAL, IF WITHIN 2' OF STRUCTURE.
 - PRECAST MH. SECTIONS WITH A-LOCKS & PRECAST FILLETS SHALL NOT BE ALLOWED.
 - STEPS SHALL NOT BE INSTALLED IN MANHOLE.
 - USE TYPE B LID IN PAVED AREAS IN LIEU OF SELF SEALING LID.
 - MATCH O.B. POINTS ON PIPE ENTERING MANHOLE.

STANDARD MANHOLE

CITY OF ROCK ISLAND
ENGINEERING DIVISION

STANDARD NO. 201

REMOVE STEPS	W.L.C.	07/31/01
O-RING JOINT / 3'-2"	D.G.C.	02/25/93
STANDARDING	CVE	06/28/91
REVISION	BY	DATE



ALTERNATE MATERIAL FOR WALLS	D	C	T
PRECAST SECTIONS	4'-0"	3'-2"	5'
POURED WALLS *	4'-0"	3'-2"	6'
	5'-0"	3'-2"	6'

* CLASS SI CONCRETE, VIBRATED, WITH FORMS RIDGED AND TRUE TO VERTICAL ALIGNMENT.

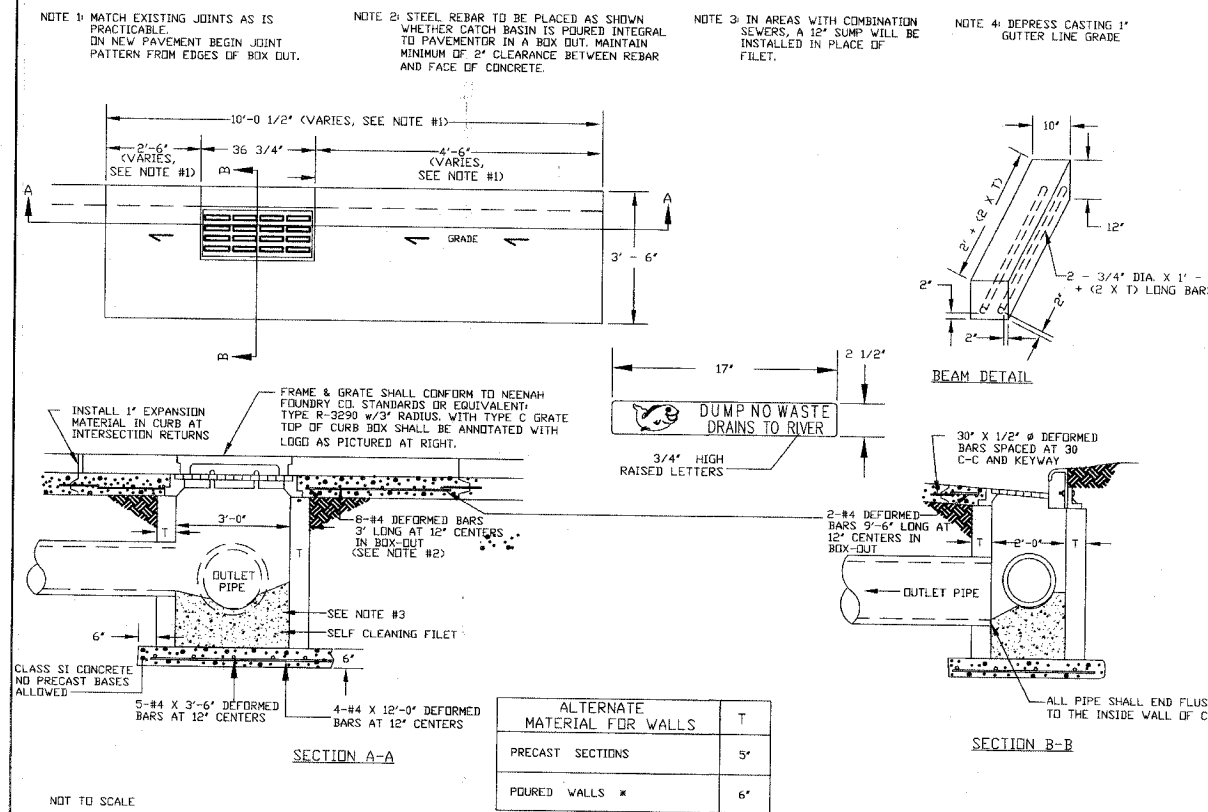
DIAMETER OF MAIN SEWER	D
18" AND UNDER	4'-0"
24" TO 42" INCLUSIVE	5'-0"

- NOTE:
- #1 ALL PRECAST MANHOLE JOINTS SHALL BE SEALED WITH AN O-RING RUBBER GASKET MEETING ASTM C361.
- #2 MANHOLES IN PAVED AREAS SHALL HAVE REBARS PLACED AROUND CASTING AS PER CRI STANDARD 305.
- ALL PIPES ENTERING AND EXISTING PIPES SHALL HAVE A JOINT WITHIN 6" TO 24" OF THE OUTER SURFACE OF MH. CONCRETE SHALL BE POURED TO, BUT NOT BEYOND, THE FIRST PIPE JOINT.

STANDARD DROP MANHOLE

CITY OF ROCK ISLAND
ENGINEERING DIVISION

STANDARD NO. 202



ALTERNATE MATERIAL FOR WALLS	T
PRECAST SECTIONS	5'
POURED WALLS *	6'

* CLASS SI CONCRETE, VIBRATED, WITH FORMS RIDGED AND TRUE TO VERTICAL ALIGNMENT.

SINGLE CATCH BASIN

CITY OF ROCK ISLAND
ENGINEERING DIVISION

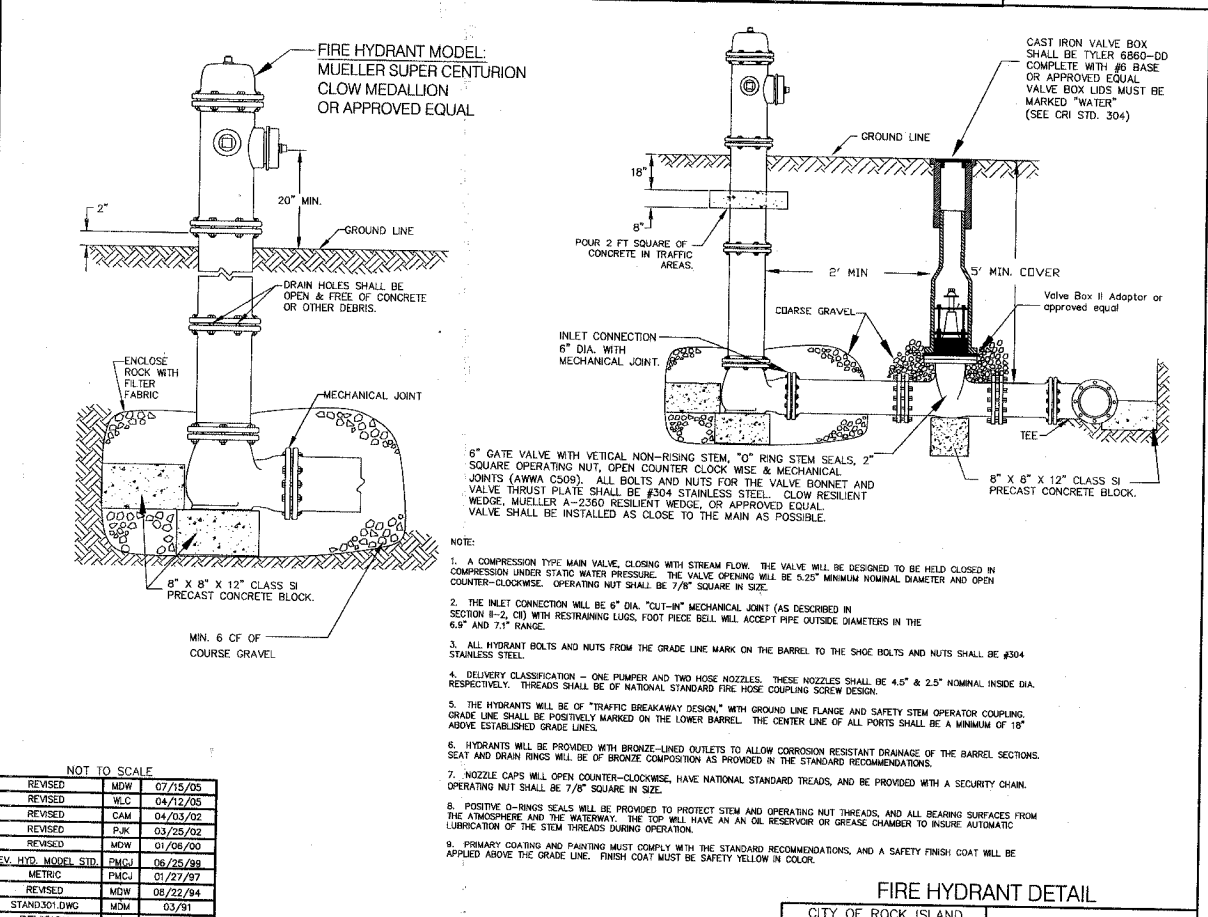
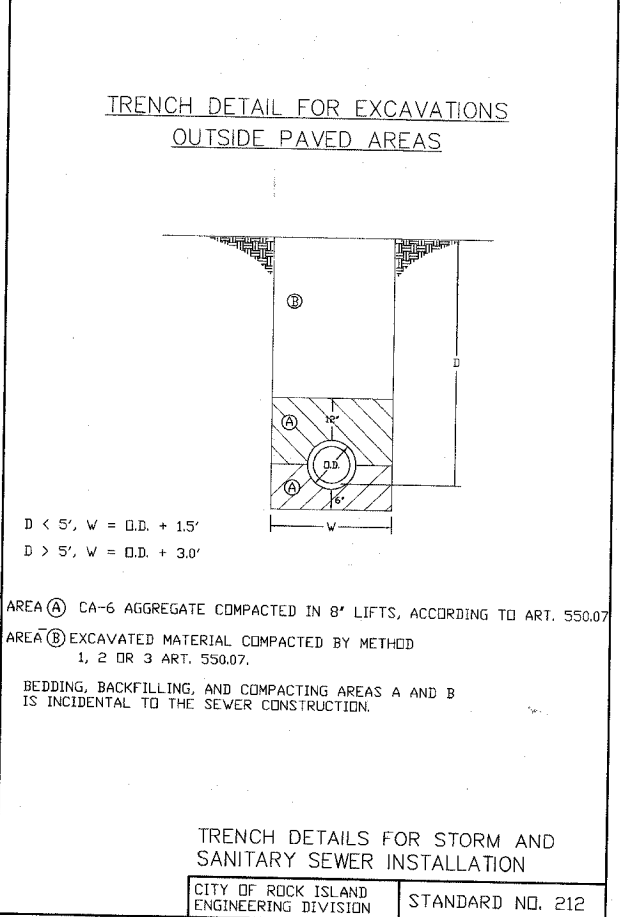
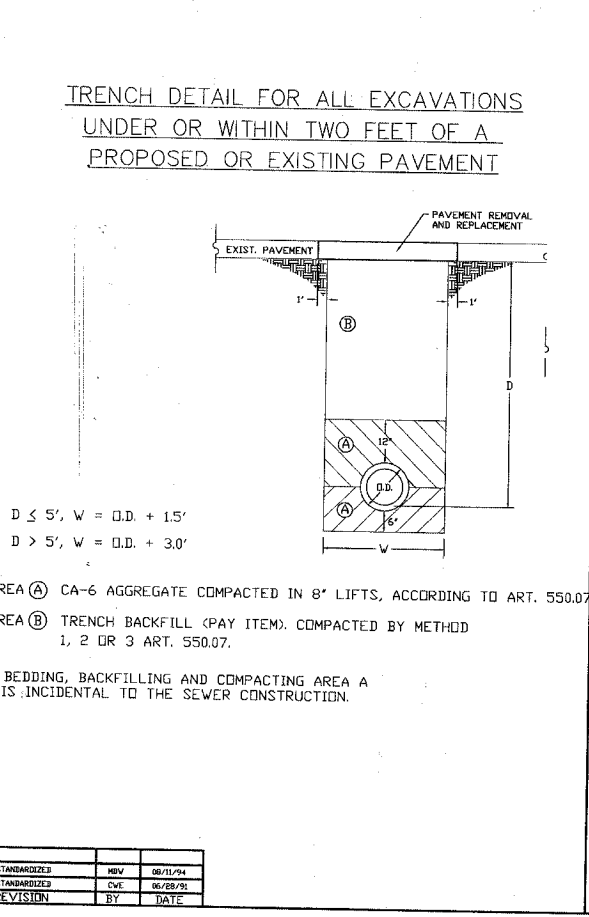
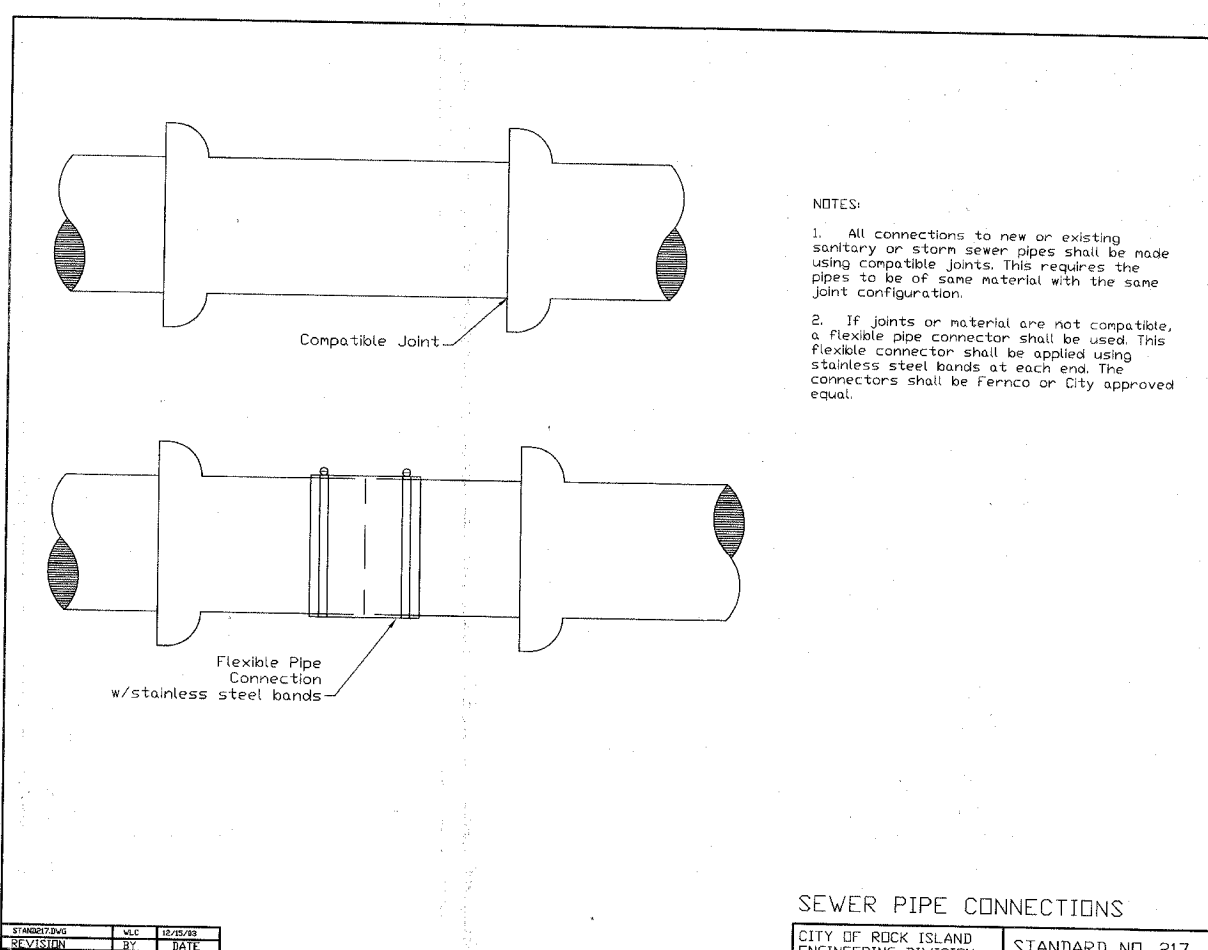
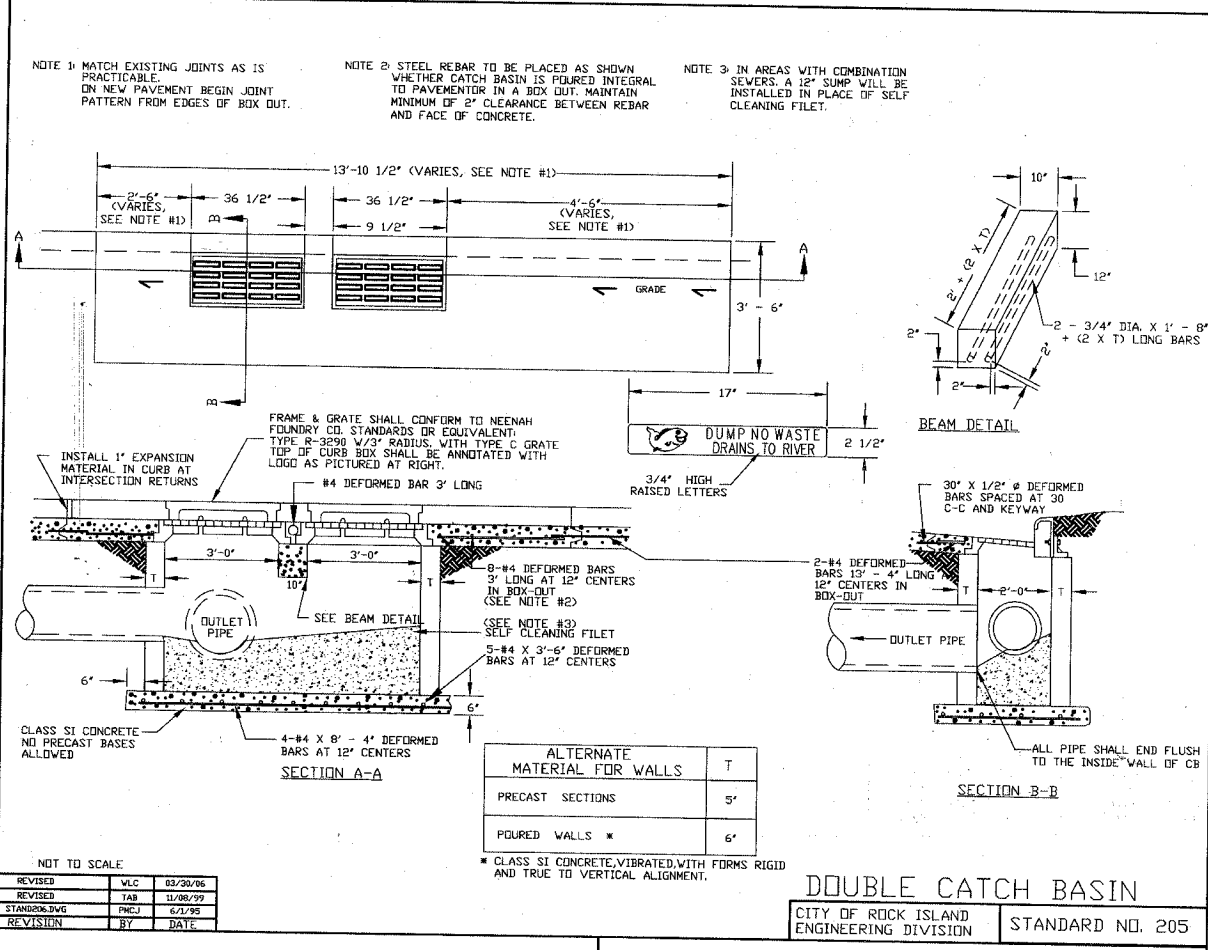
STANDARD NO. 204

REVISED	W.L.C.	02/20/06
REVISED	M.H.	05/03/01
REVISED	TAB	11/08/99
STANDARDING	PMCJ	6/1/95
REVISION	BY	DATE

85434
06-00180-00-RS
C.R.I. STANDARD DETAILS
CITY OF ROCK ISLAND
ENGINEERING DIVISION

24th Street Resurfacing
18th to 25th Avenue

Job Number	2569	Date	3-07-08
Computer Drawing Name	2569 Standard Details	By	mdw
Sheet	34	Of	38



85434

06-00180-00-RS

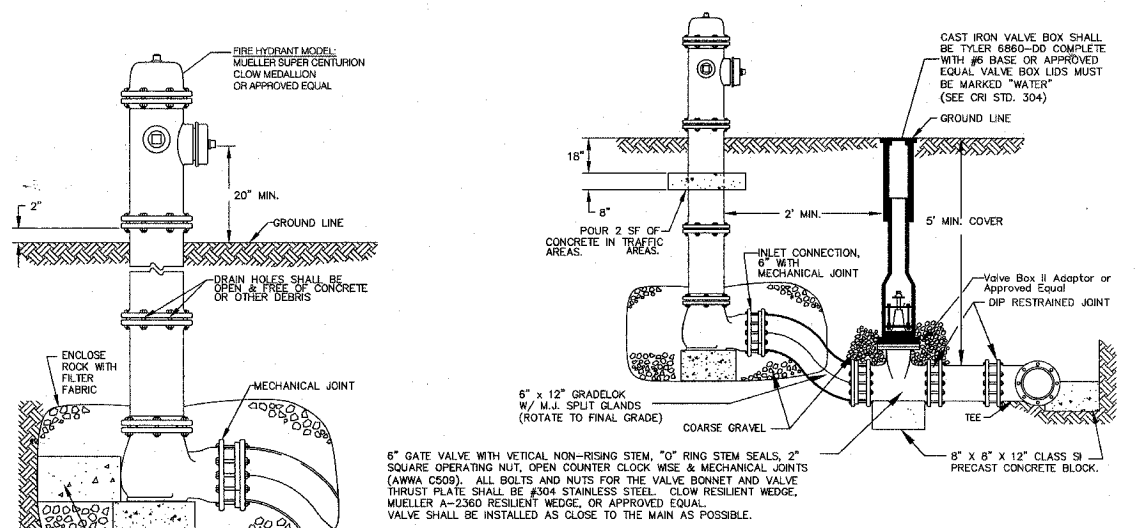
C.R.I. STANDARD DETAILS

CITY OF ROCK ISLAND
ENGINEERING DIVISION

24th Street Resurfacing
18th to 25th Avenue

Job Number	2569	Date	3-07-08
Computer Drawing Name	2569 Standard Details	By	mdw
		Sheet	35
		Of	38

ROCK ISLAND ILLINOIS



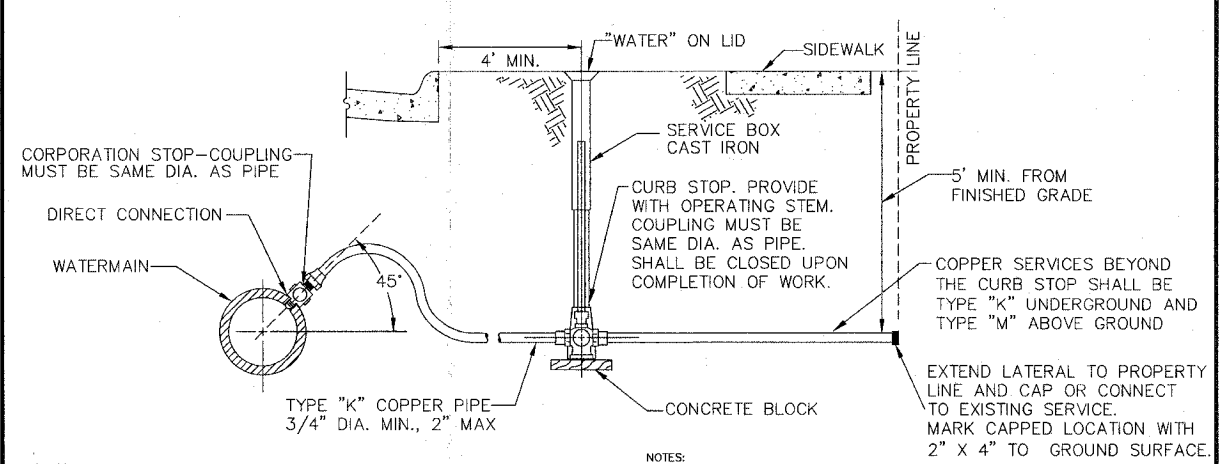
- NOTE:
1. A COMPRESSION TYPE MAIN VALVE, CLOSING WITH STREAM FLOW. THE VALVE WILL BE DESIGNED TO BE HELD CLOSED IN COMPRESSION UNDER STATIC WATER PRESSURE. THE VALVE OPENING WILL BE 3.25" MINIMUM NOMINAL DIAMETER AND OPEN COUNTER-CLOCKWISE. OPERATING NUT SHALL BE 7/8" SQUARE IN SIZE.
 2. THE INLET CONNECTION WILL BE 6" DIA. "OUT-IN" MECHANICAL JOINT (AS DESCRIBED IN SECTION 2, C) WITH RESTRAINING LUGS. FOOT PIECE BELL WILL ACCEPT PIPE OUTSIDE DIAMETERS IN THE 6.9" AND 7.1" RANGE.
 3. ALL HYDRANT BOLTS AND NUTS FROM THE GRADE LINE MARK ON THE BARREL TO THE SHOE BOLTS AND NUTS SHALL BE #304 STAINLESS STEEL.
 4. DELIVERY CLASSIFICATION - ONE PUMPER AND TWO HOSE NOZZLES. THESE NOZZLES SHALL BE 4.5" & 2.5" NOMINAL INSIDE DIA. RESPECTIVELY. THREADS SHALL BE OF NATIONAL STANDARD FIRE HOSE COUPLING SCREW DESIGN.
 5. THE HYDRANTS WILL BE OF "TRAFFIC BREAKAWAY DESIGN" WITH GROUND LINE FLANGE AND SAFETY STEM OPERATOR COUPLING. GRADE LINE SHALL BE POSITIVELY MARKED ON THE LOWER BARREL. THE CENTER LINE OF ALL PORTS SHALL BE A MINIMUM OF 18" ABOVE ESTABLISHED GRADE LINES.
 6. HYDRANTS WILL BE PROVIDED WITH BRONZE-LINED OUTLETS TO ALLOW CORROSION RESISTANT DRAINAGE OF THE BARREL SECTIONS. SEAT AND DRAIN RINGS WILL BE OF BRONZE COMPOSITION AS PROVIDED IN THE STANDARD RECOMMENDATIONS.
 7. NOZZLE CAPS WILL OPEN COUNTER-CLOCKWISE, HAVE NATIONAL STANDARD TREADS, AND BE PROVIDED WITH A SECURITY CHAIN. OPERATING NUT SHALL BE 7/8" SQUARE IN SIZE.
 8. POSITIVE O-RINGS SEALS WILL BE PROVIDED TO PROTECT STEM AND OPERATING NUT THREADS, AND ALL BEARING SURFACES FROM THE ATMOSPHERE AND THE WATERWAY. THE TOP WILL HAVE AN OIL RESERVOIR OR GREASE CHAMBER TO INSURE AUTOMATIC LUBRICATION OF THE STEM THREADS DURING OPERATION.
 9. PRIMARY COATING AND PAINTING MUST COMPLY WITH THE STANDARD RECOMMENDATIONS, AND A SAFETY FINISH COAT WILL BE APPLIED ABOVE THE GRADE LINE. FINISH COAT MUST BE SAFETY YELLOW IN COLOR.

FIRE HYDRANT WITH GRAELOCK OFFSET DETAIL

NOT TO SCALE

REVISED	MDW	07/15/05
REVISED	M.C.	04/12/05
REVISED	P.K.	03/25/02
REV. HYD. MODEL STD.	PMCI	06/25/98
METRIC	PMCI	01/27/97
STAND303.DWG	MDM	10/96
REVISION	BY	DATE

CITY OF ROCK ISLAND ENGINEERING DIVISION STANDARD NO. 301A



MAXIMUM RECOMMENDED DIRECT TAP SIZES

MAIN DIA.	MAX TAP SIZE BY MAIN MATERIAL TYPE	
	CL 350 DIP & CAST IRON	ALL W/ SADDLE
3"	3/4"	3/4"
4"	3/4"	1"
6"	1"	1-1/2"
8"	1"	2"
10"	1"	2"
12"	1-1/4"	2"
14"	1-1/2"	2" *
16"	2"	2" *
18"	2"	2" *
20"	2"	2" *
24"	2"	2" *

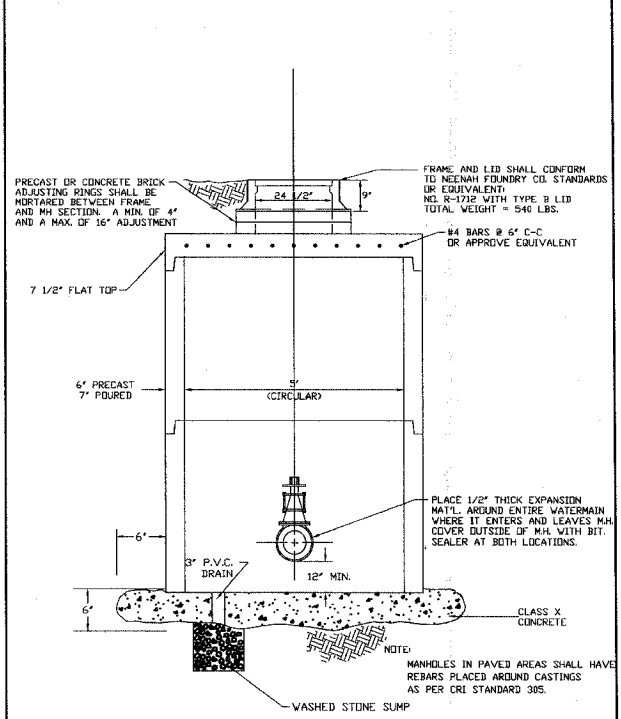
- NOTES:
1. THE SERVICE PIPE SHALL BE LAID IN THE TRENCH WITH SUFFICIENT HORIZONTAL WEAVING TO ALLOW NOT LESS THAN 1' EXTRA LENGTH IN ITS ENTIRE LENGTH.
 2. SERVICE PIPES OVER 2" DIAMETER SHALL BE TAPPED LIVE THROUGH A SADDLE SLEEVE OR CUT-IN TO THE MAIN WITH A SOLID SLEEVE. NOTIFY THE PUBLIC WORKS DEPARTMENT PRIOR TO PERFORMING SUCH A CONNECTION.
 3. THE PIPING FROM TWO OR MORE SERVICES ON THE SAME PREMISES MUST BE KEPT SEPARATE, WITH NO CROSS CONNECTIONS.
 4. CONTACT THE PLUMBING INSPECTOR FOR SPECIAL BEDDING AND INSTALLATION REQUIREMENTS FOR SERVICES IN ACID SOILS OR LANDFILLS.
 5. CURB STOP SHALL BE 4' MIN FROM BACK OF CURB OR EDGE OF PAVEMENT AND 1' MIN FROM PROPERTY LINE, BUT IN EITHER CASE NOT IN A SIDEWALK WITHOUT APPROVAL OF THE PUBLIC WORKS DEPARTMENT.
 6. IF A SADDLE IS PROVIDED FOR TAPPING OF DUCTILE IRON OR CAST IRON WATERMAINS, THE "ALL W/ SADDLE" FIGURES CAN BE USED FOR MAX. TAP SIZES.
 7. MANUFACTURERS DO NOT RECOMMEND TAPPING C900 PVC OVER 12" DIAMETER. * FOR PVC WATER MAINS OVER 12" THAT NEED TO BE TAPPED, CONTACT THE PUBLIC WORKS DEPARTMENT - D.I.P. OR A SPECIAL GRADE OF PVC MAY BE REQUIRED.

STANDARD TAP SERVICE PIPING (COPPER)

NOT TO SCALE CITY OF ROCK ISLAND ENGINEERING DIVISION STANDARD NO. 303

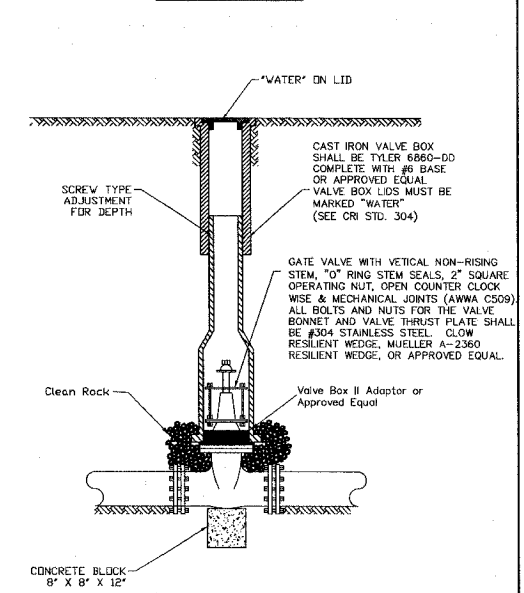
REVISED	TAB	4/2/02
REVISED	PMCI	12/14/98
METRIC	PMCI	01/27/97
STAND303.DWG	CWE	06/19/91
REVISION	BY	DATE

VALVE VAULT



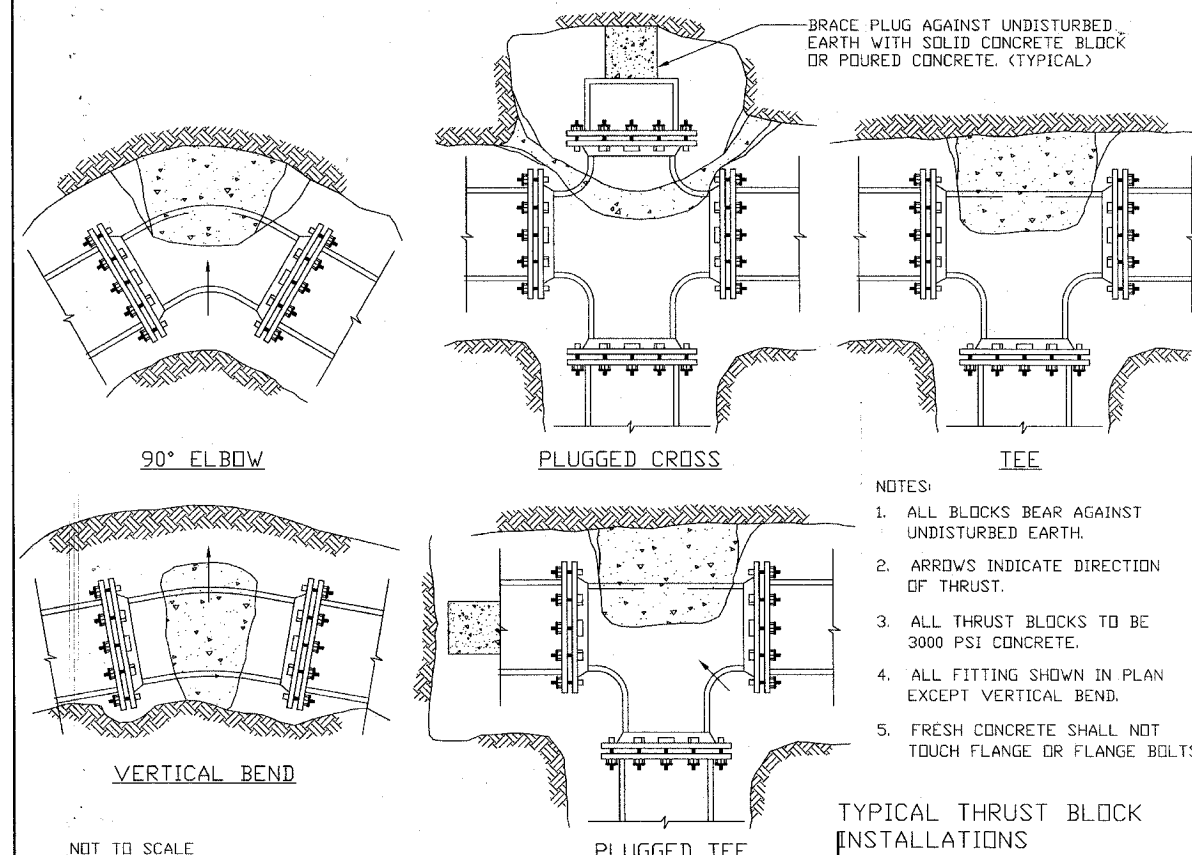
REVISED	M.C.	04/12/05
REVISED	D.M.	04/03/02
REVISED	P.K.	03/25/02
REVISED	TAB	03/24/98
STAND304.DWG	MDW	03/12/95
REVISION	BY	DATE

VALVE BOX



STANDARD VALVE VAULT & STANDARD VALVE BOX

CITY OF ROCK ISLAND ENGINEERING DIVISION STANDARD NO. 304



CITY OF ROCK ISLAND ENGINEERING DIVISION STANDARD NO. 302

NOT TO SCALE

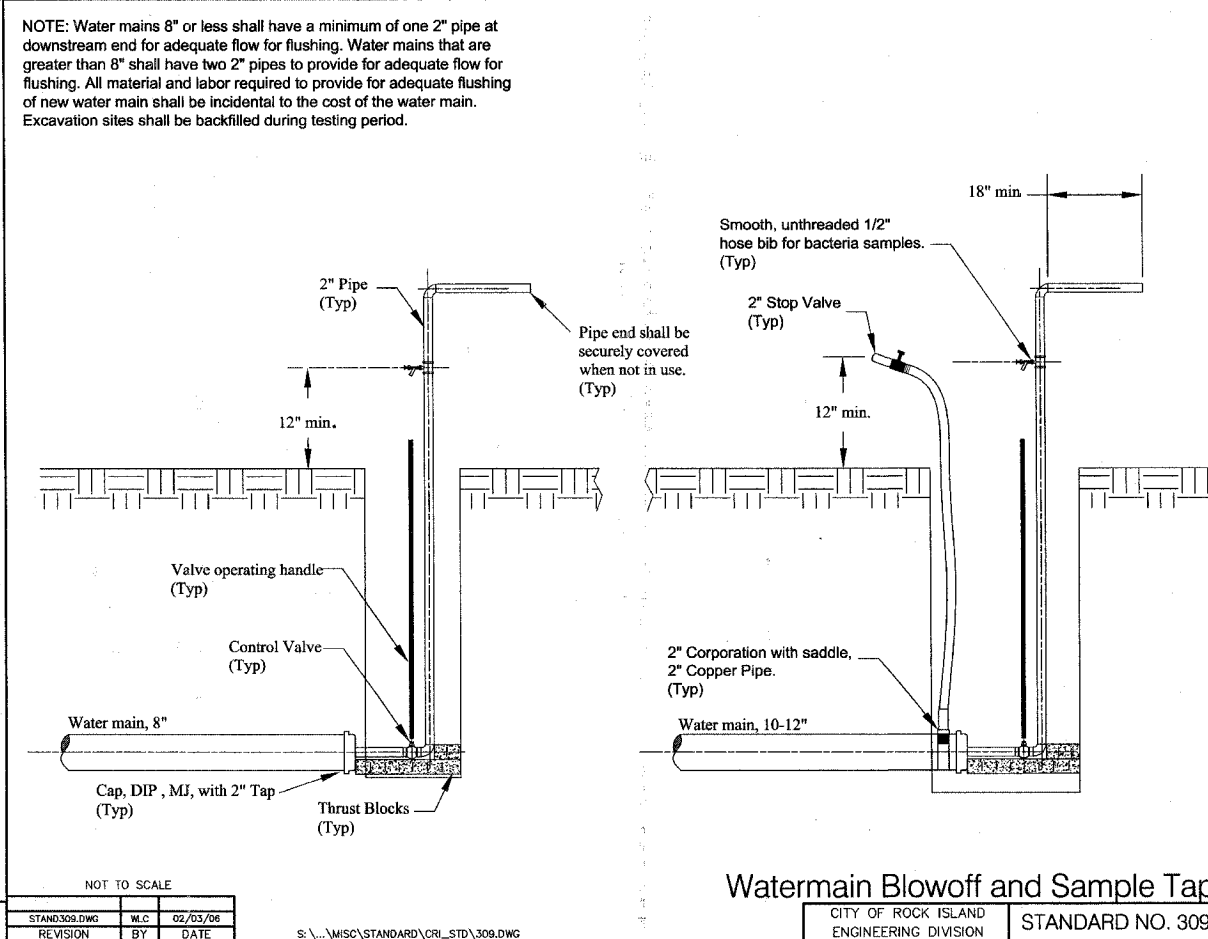
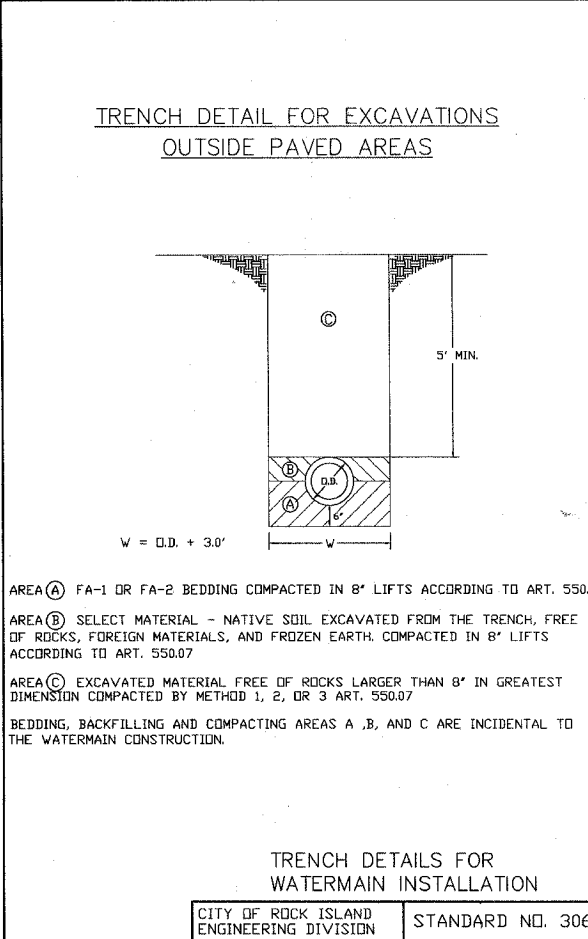
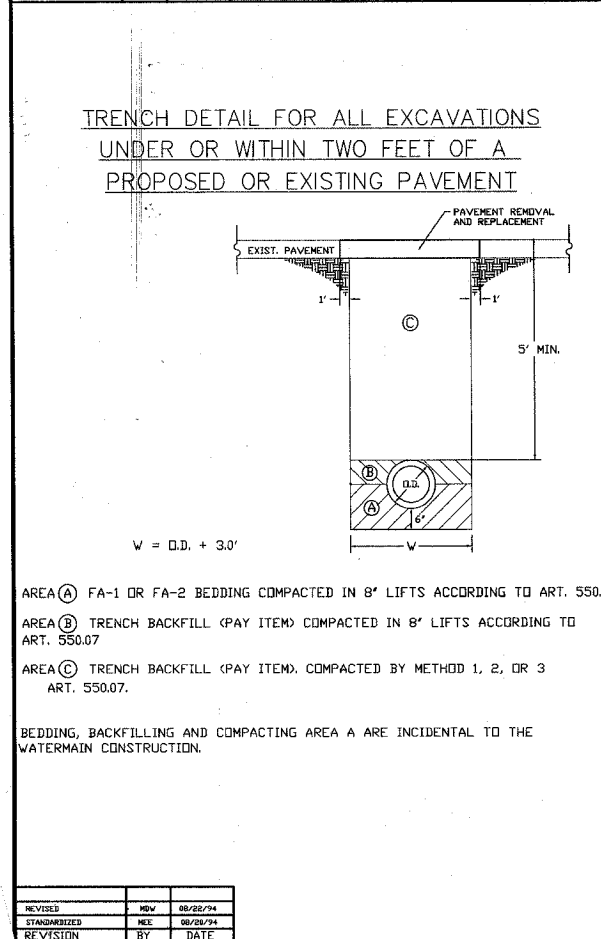
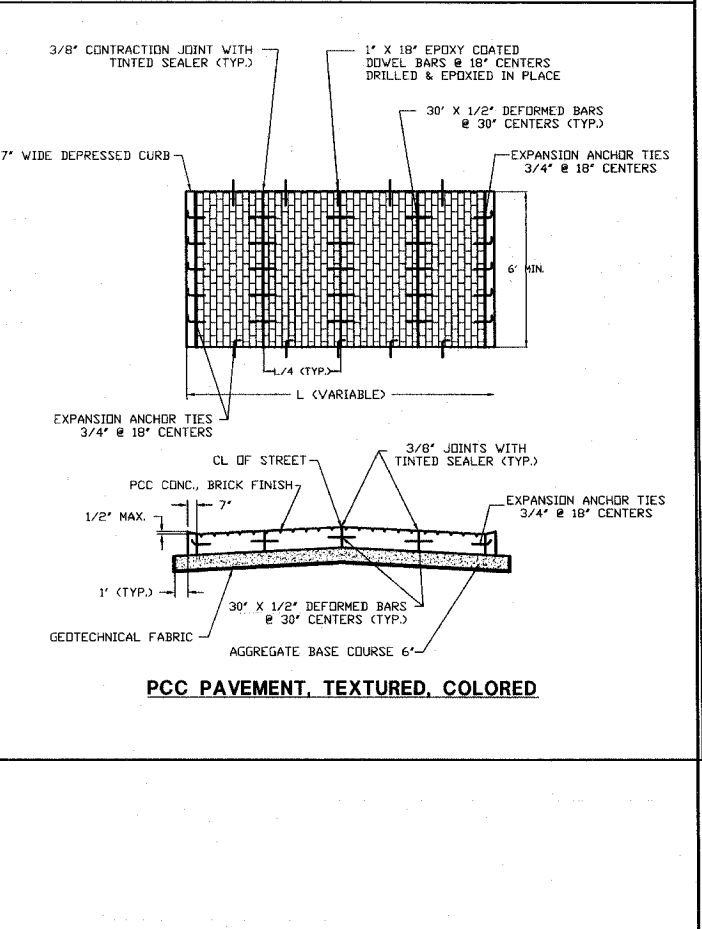
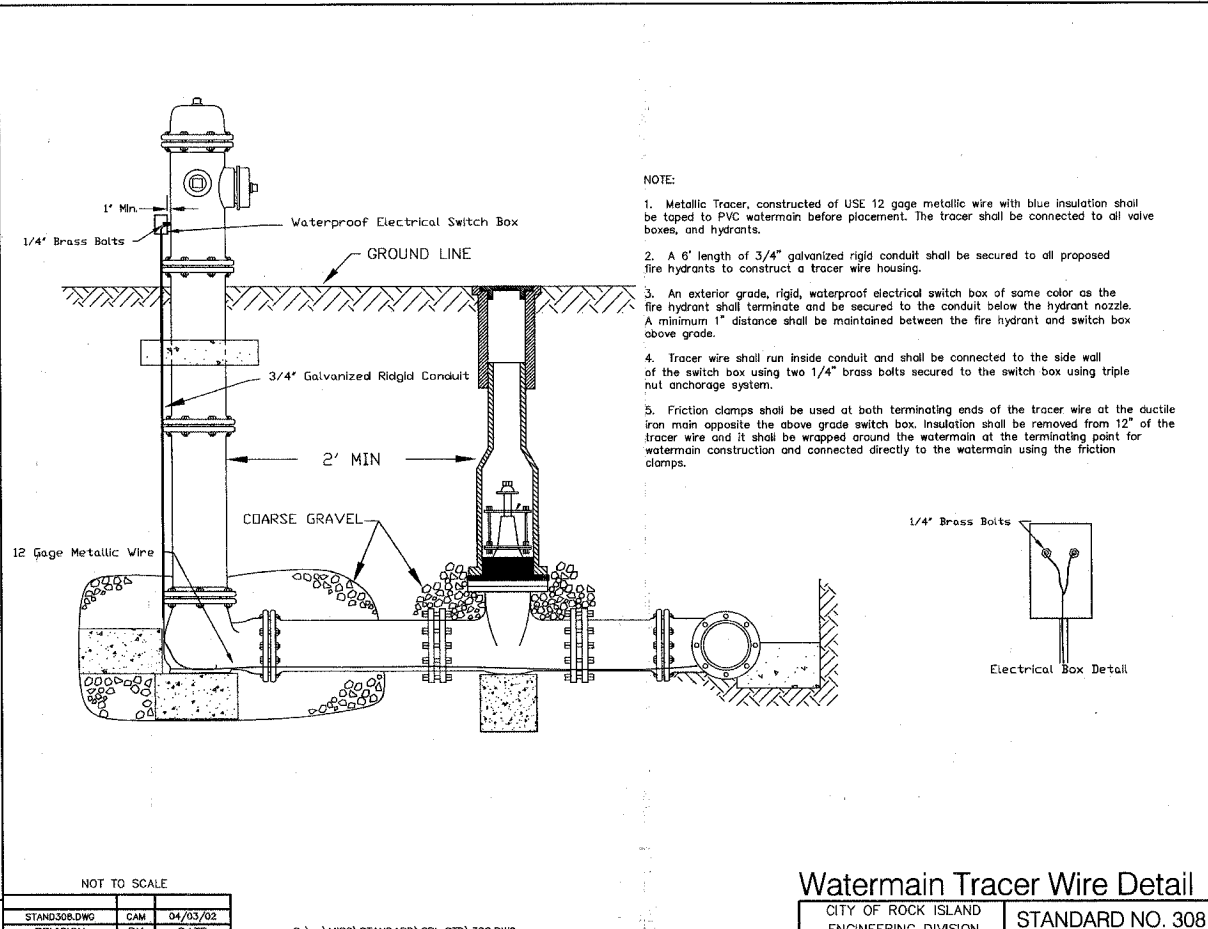
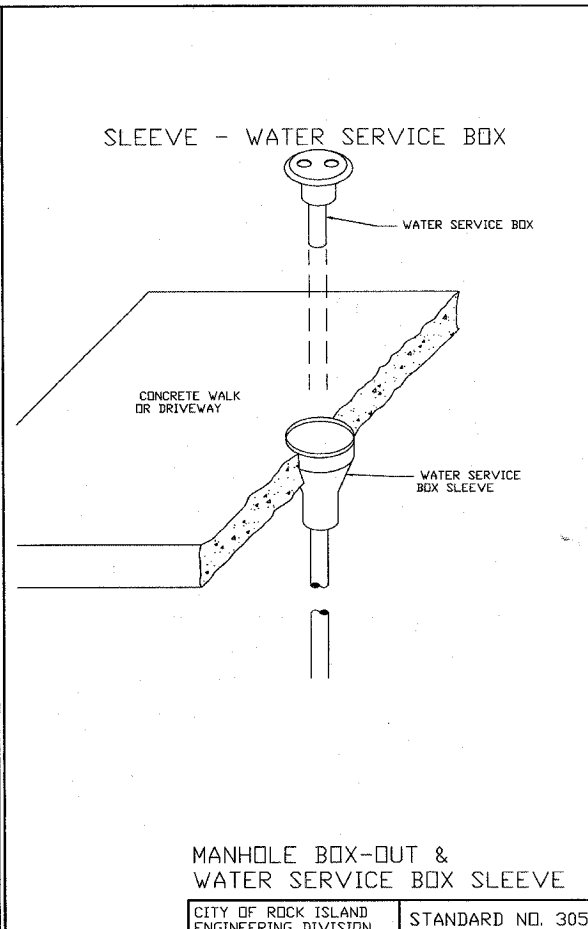
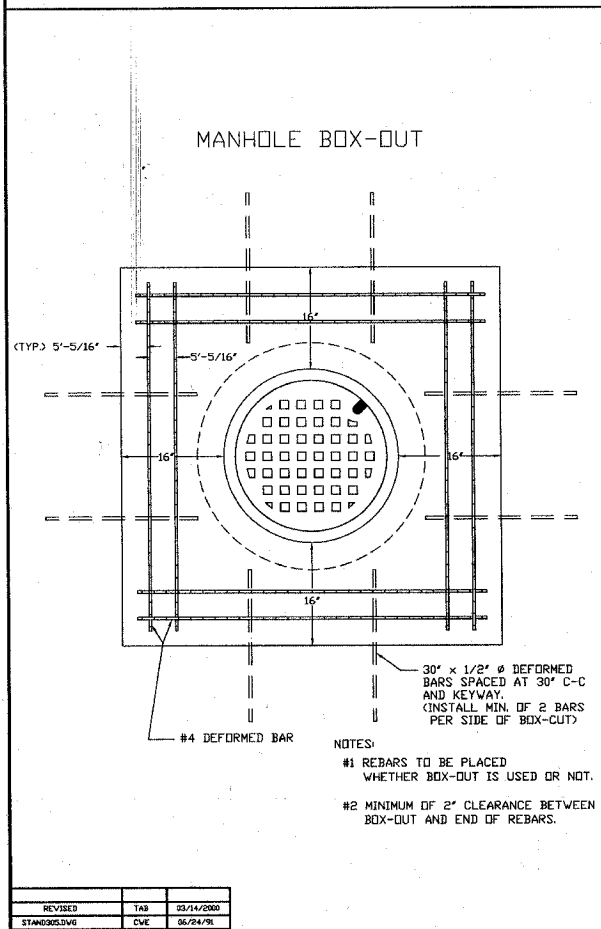
STANDARDIZED	PMCI	10/03/94
REVISION	BY	DATE

85434
06-00180-00-RS
C.R.I. STANDARD DETAILS
CITY OF ROCK ISLAND
ENGINEERING DIVISION

24th Street Resurfacing
18th to 25th Avenue

Job Number	2569	By	mdw	Date	3-07-08
Computer Drawing Name	2569 Standard Details	Sheet	36	Of	38



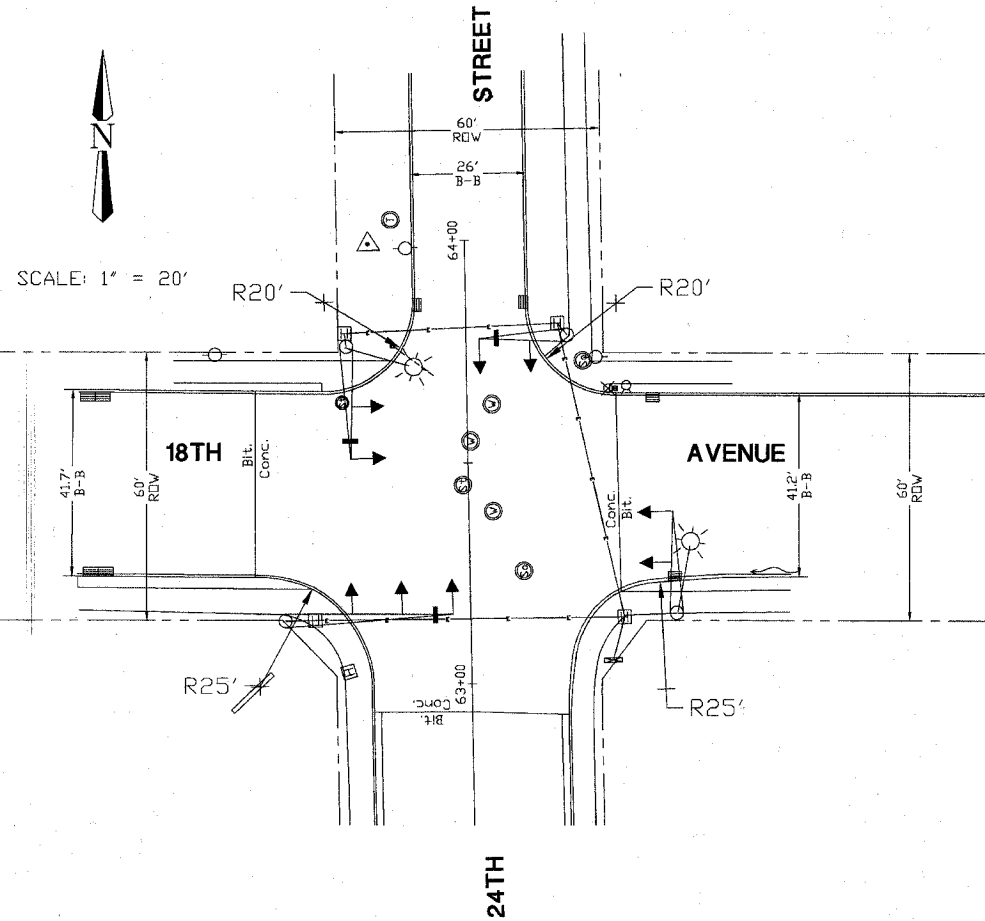


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06-00180-00-RS
C.R.I. STANDARD DETAILS
CITY OF ROCK ISLAND
ENGINEERING DIVISION

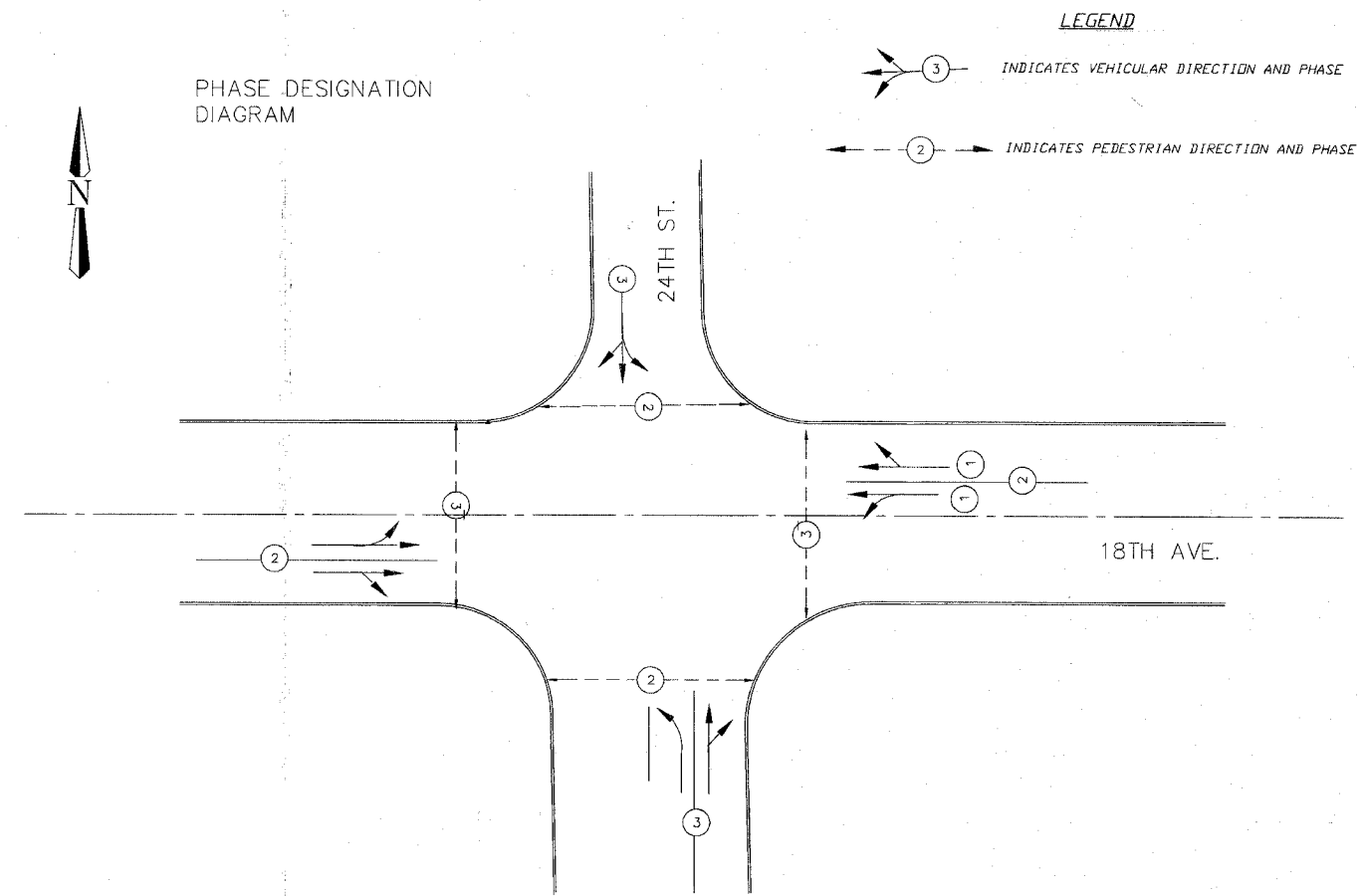
24th Street Resurfacing
18th to 25th Avenue

Job Number	2569	Date	3-07-08
Computer Drawing Name	2569 Standard Details	By	mdw
		Sheet	37
		Of	38



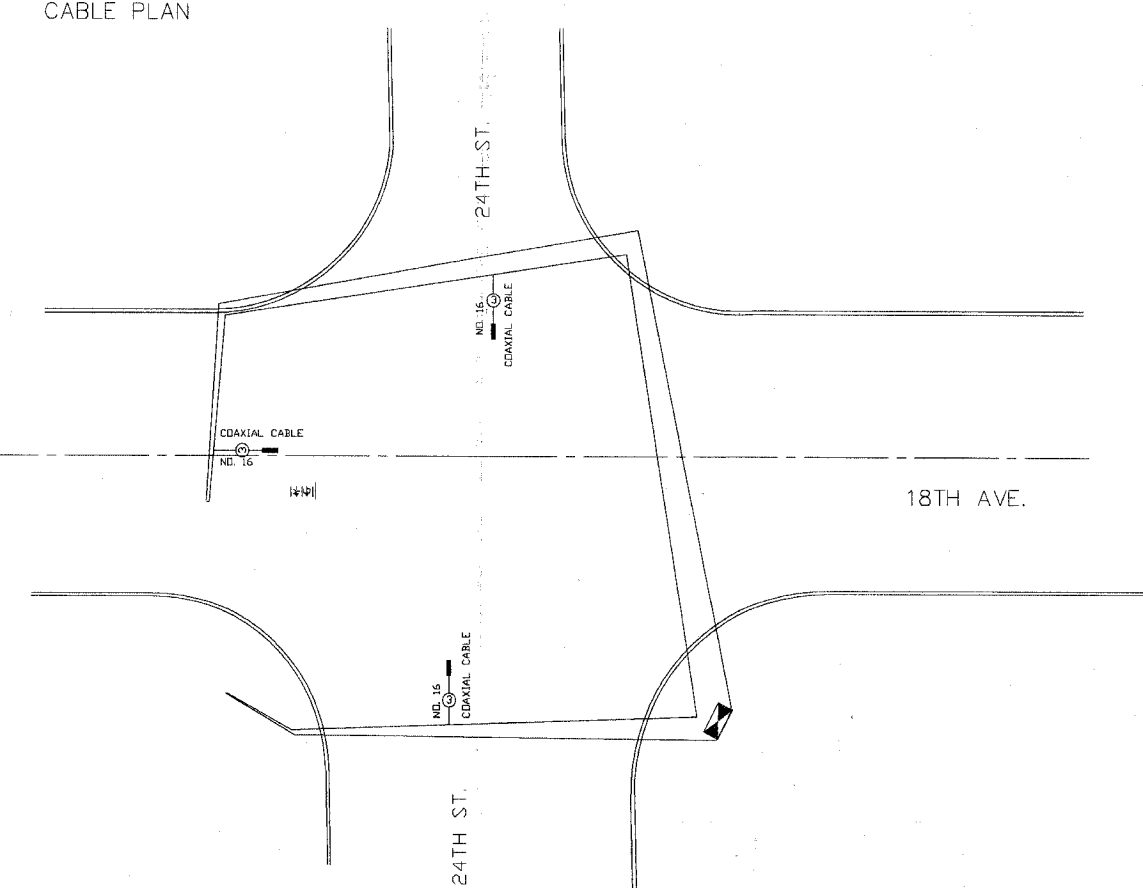
PROPOSED VIDEO VEHICLE DETECTION CAMERAS

- LEGEND**
- PROPOSED VIDEO VEHICLE DETECTION, 1 CAMERA
 - PROPOSED CABLE IN CONDUIT
 - ▲ EXISTING SIGNAL, MAST ARM MOUNTED
 - EXISTING CONTROLLER
 - EXISTING HANDHOLE
 - ☀ LUMINAIRE - 30' MOUNTING HEIGHT



PHASE DESIGNATION DIAGRAM

CABLE PLAN



- LEGEND**
- PROPOSED VIDEO VEHICLE DETECTION, 1 CAMERA
 - ③ INDICATES NUMBER OF CONDUCTORS
ALL CABLE IS NO. 16 EXCEPT AS INDICATED.

85434

Section #06-00180-00-RS
Cable Plan & Phase Designation Diagram

**CITY OF ROCK ISLAND
ENGINEERING DIVISION**

24th Street Resurfacing
18th Avenue to 25th Avenue

Job Number 2569		Date 3-24-2008
Computer Drawing Name 2569 Phase Designation	By mdw	Sheet 38 of 38