

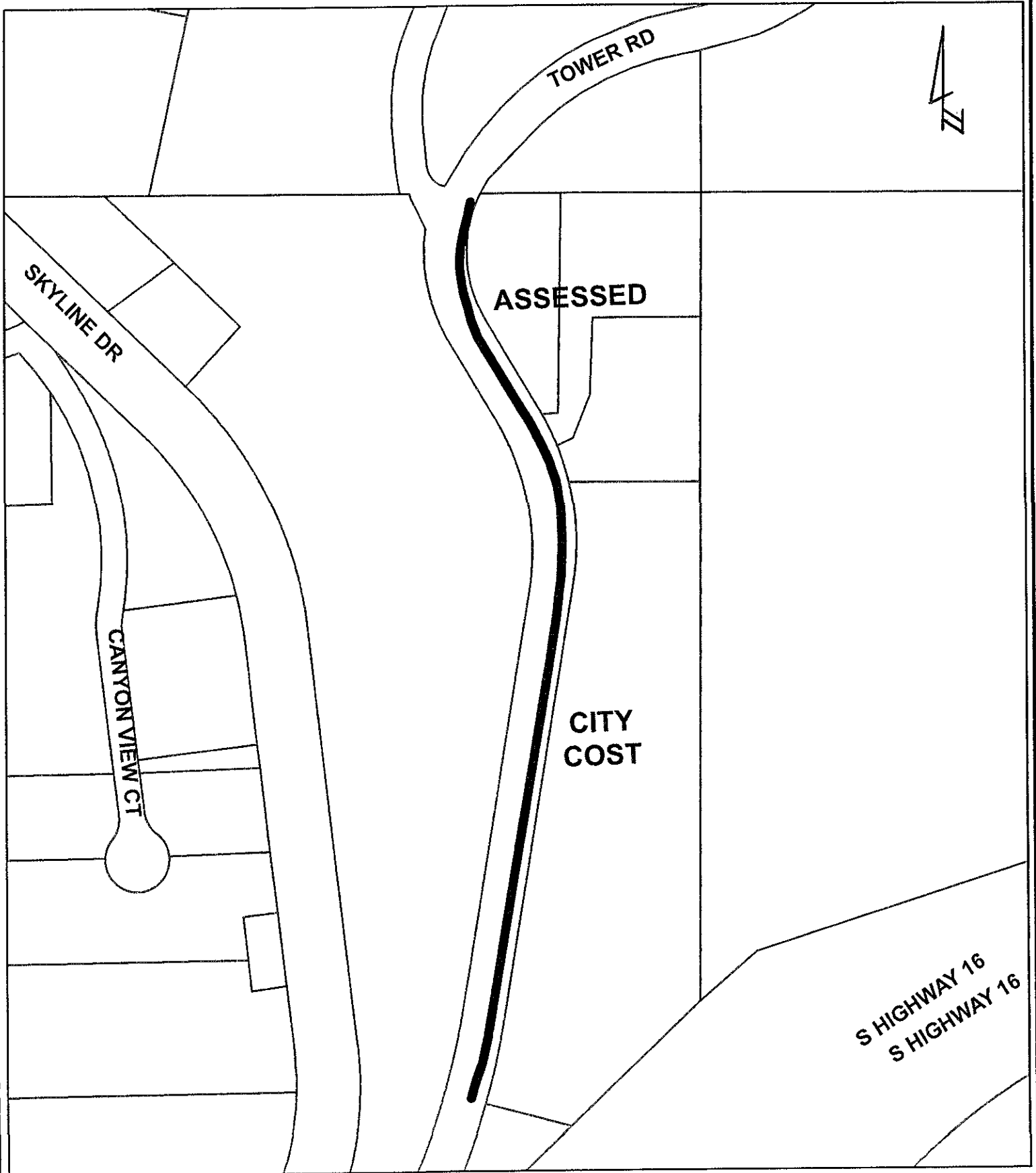
TOWER ROAD WATER MAIN LOOP  
PROJECT NO. W09-1786 CIP NO. 50753

This project consists of constructing an 8 inch water main in Tower Road beginning at the intersection of Sandstone Lane and extending south approximately 1380 feet to tie to an existing water main.

The project was initiated by the property owners adjacent to the north 450 feet of the project to provide water service to their properties. The southerly portion of the project is proposed to provide a looped water system.

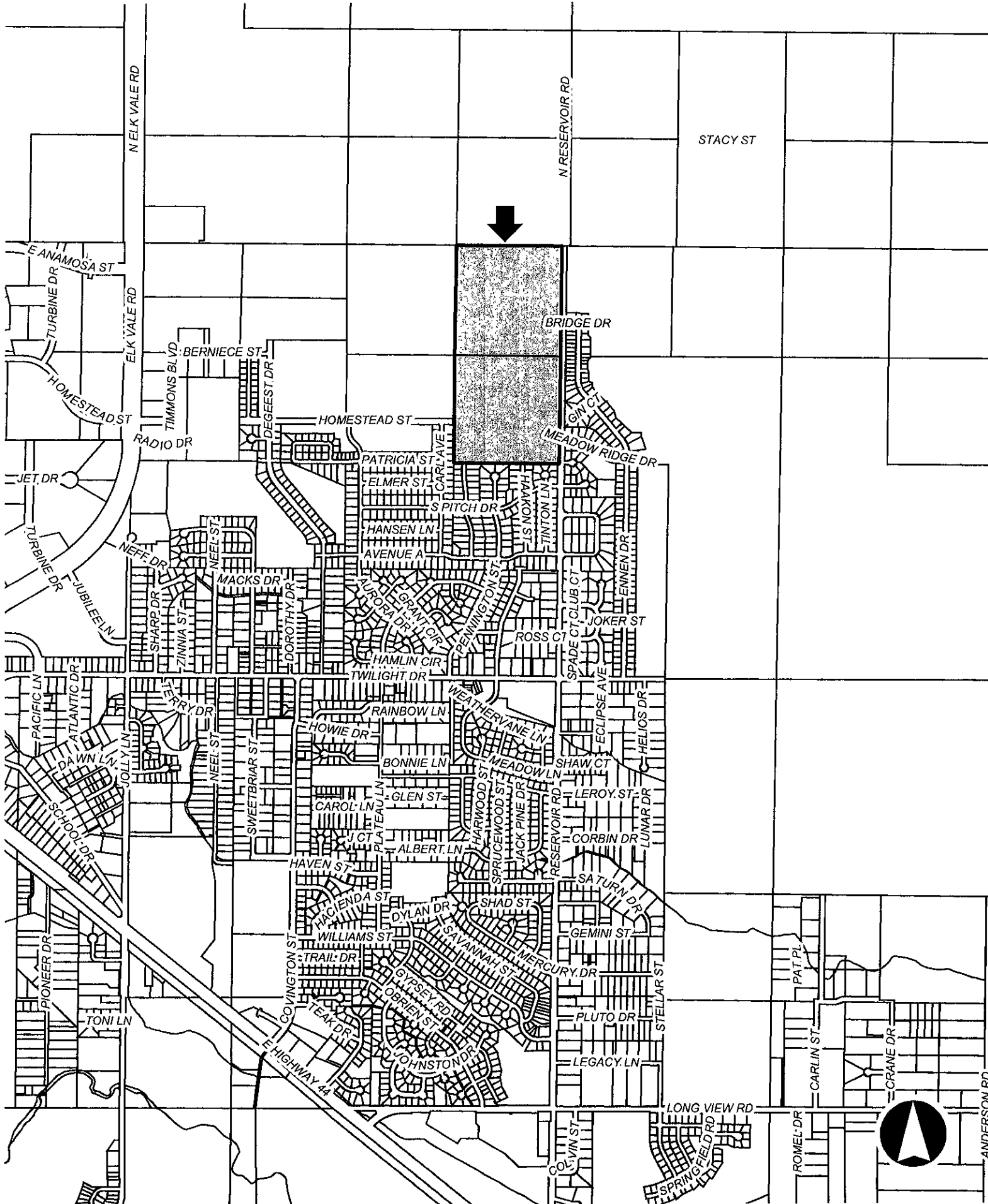
# EXHIBIT "A"

SCALE 1" = 200'



**TOWER ROAD WATER MAIN LOOP**  
**PROJECT NO. W09-1786 CIP NO. 50753**

# 09SR044



May 4, 2009

City of Rapid City  
Growth Management Department  
300 6th Street  
Rapid City, SD 57701-2726

Re: **Rapid Valley Sanitary District –Water Service “Water System  
Improvements”  
11-6-19 Written Statement**

Rapid Valley Sanitary District proposes to install approximately 3900 LF of 16” water main and a new 1.85 MG Concrete Water Tank within the District Boundary. A portion of the proposed improvements is within the City of Rapid City Corporate limits.

Please refer to the attached Project Layout for the proposed location of improvements.

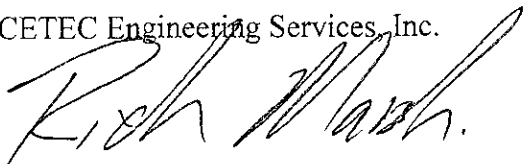
The intended use for the new main and the water tank will be to provide additional storage for the Rapid Valley Sanitary District low zone water system.

Please note that we are proposing to pave the parking area, but the not the approach to Reservoir Road as Reservoir Road is currently gravel at this time.

Please contact me with any questions that you may have.

Sincerely,

CETEC Engineering Services, Inc.



Rich Marsh, P.E.  
Project Manager

RECEIVED

MAY 8 2009

Rapid City Growth  
Management Department

Enclosures

1560 Concourse Drive  
Rapid City, SD 57703

[www.cetecengineering.com](http://www.cetecengineering.com)



**cetec**  
ENGINEERING SERVICES, INC.

© 605.341.7800

© 605.341.7864

USA Engineering, Inc.  
 Rapid City, SD 57703  
 Phone: (605) 341-7000  
 Fax: (605) 341-7864  
 www.usaengineering.com

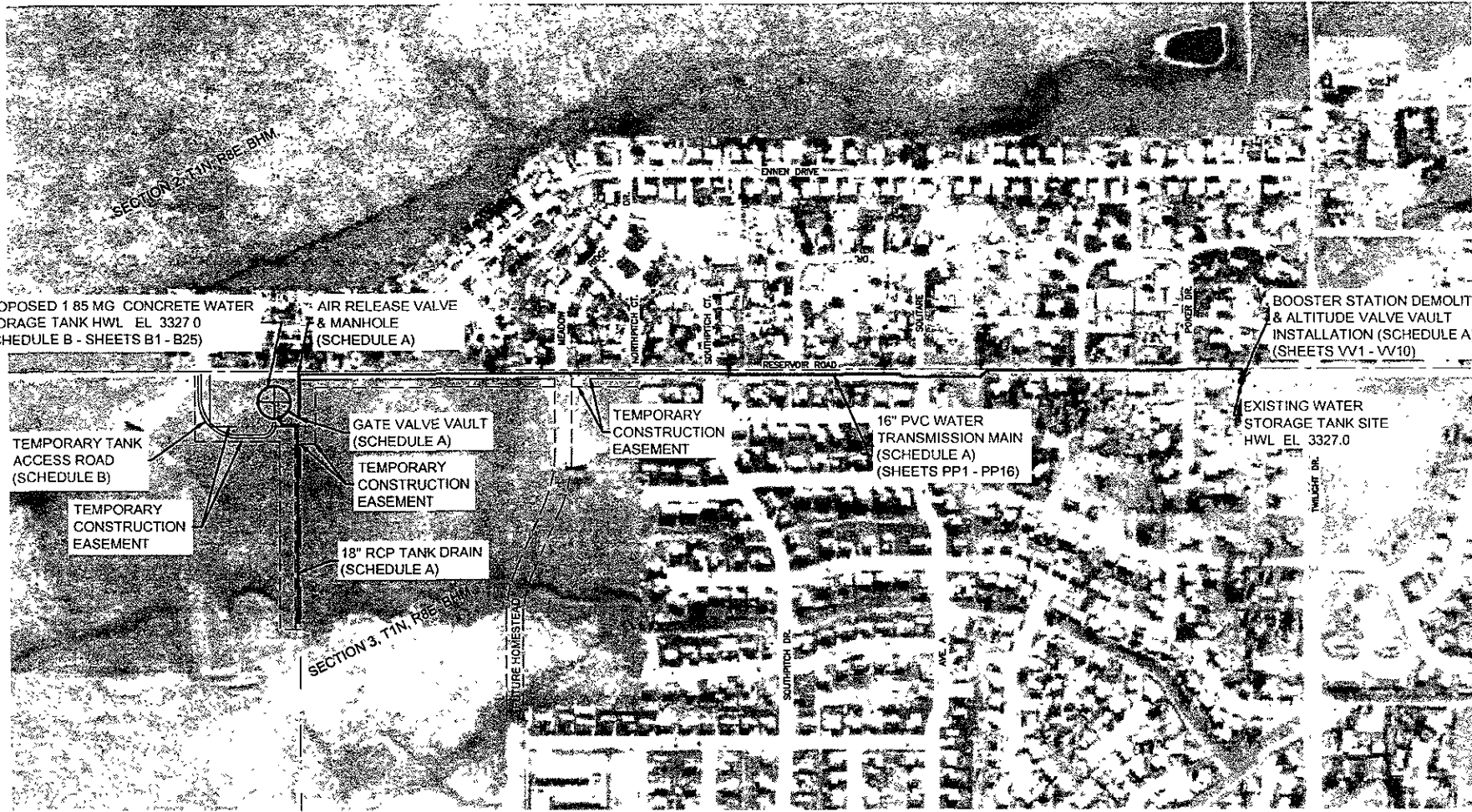
**cetec**

DESIGNED	RM
DETAILED	BE
CHECKED	JM
DATE	4/24/09

SHEET DESCRIPTION: PROJECT LAYOUT

PROJECT: WATER SYSTEM IMPROVEMENTS  
 RAPID VALLEY SANITARY DISTRICT  
 PENNINGTON COUNTY, SOUTH DAKOTA

SHEET: 2



RECEIVED

MAY 8 2009



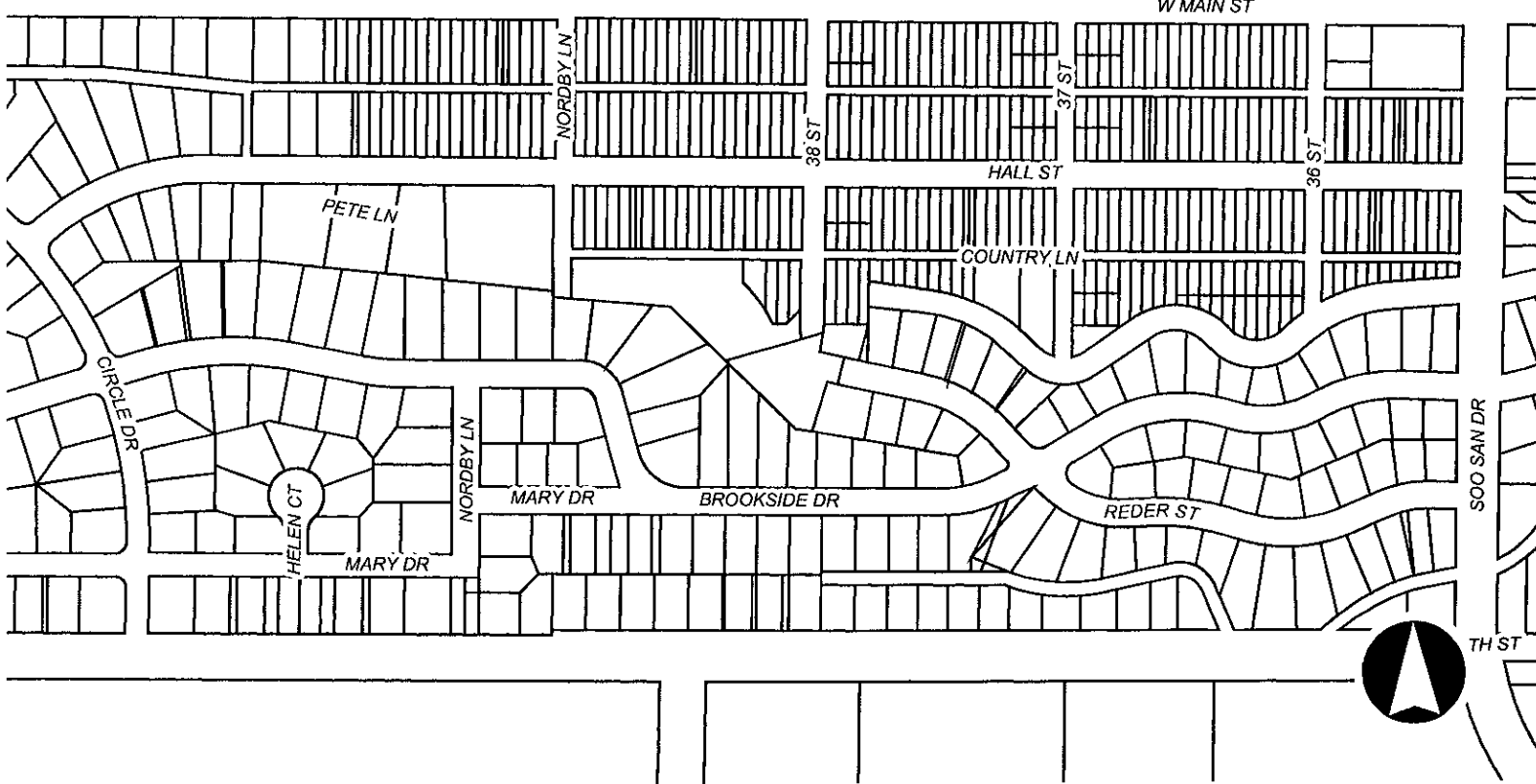
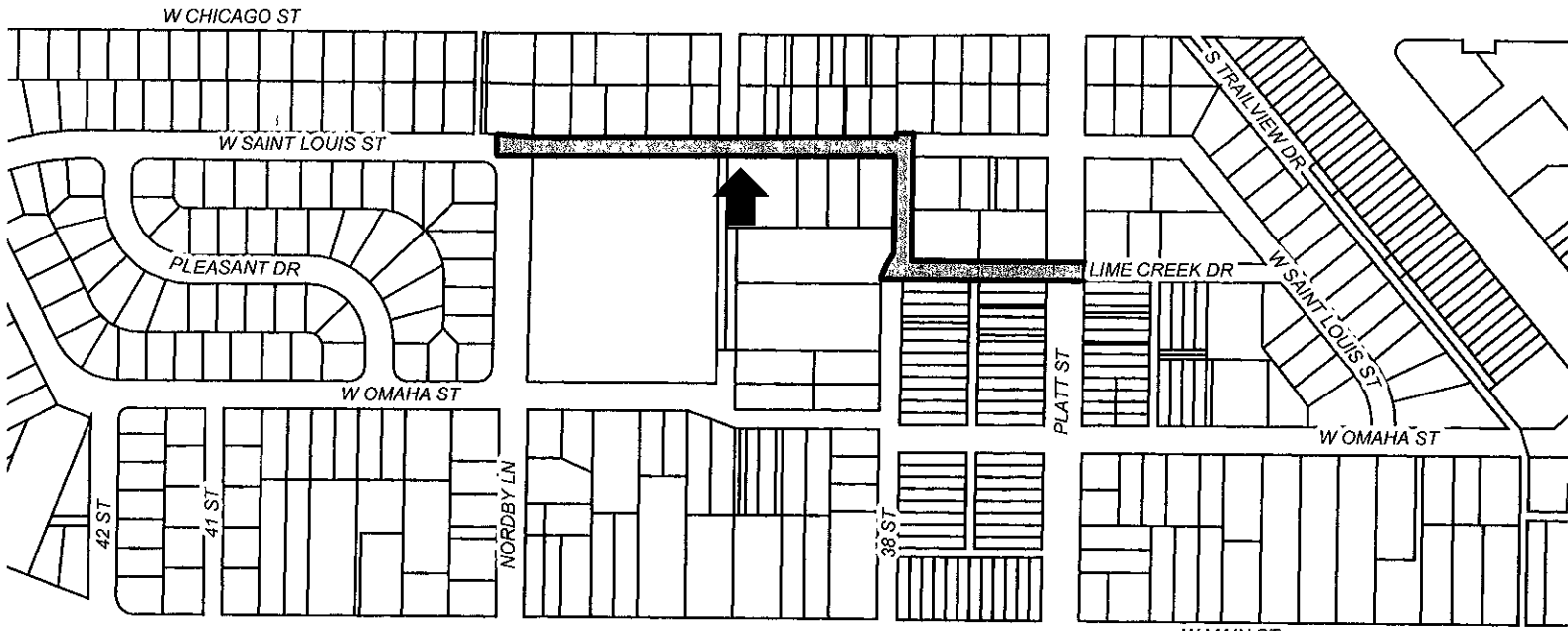
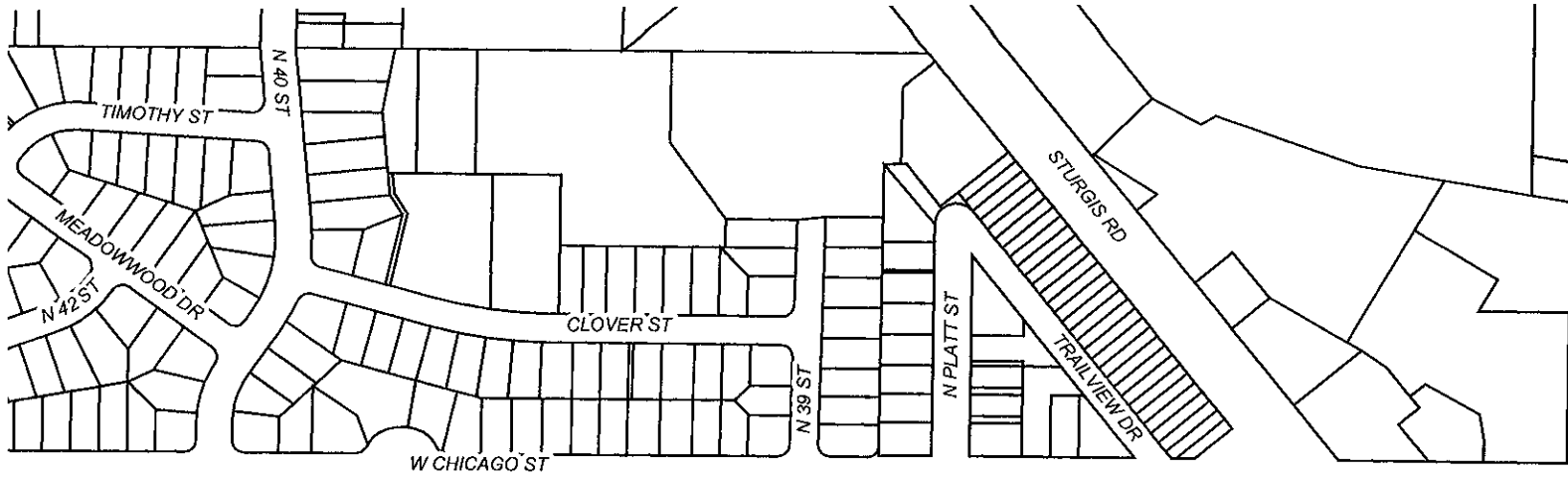
Rapid City Growth  
 Management Department

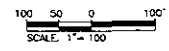
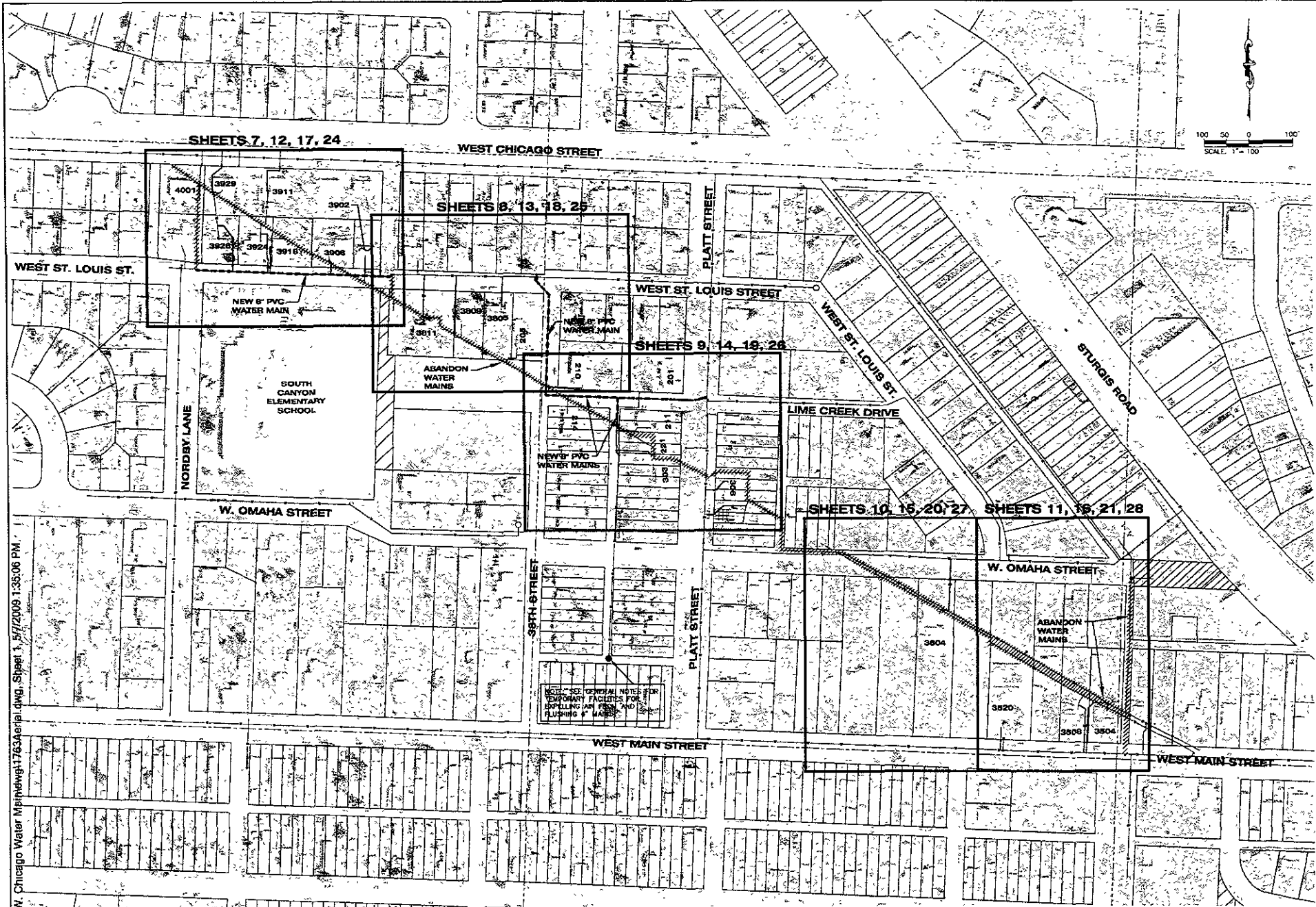


SHEET 2 OF 2 WATER SYSTEM IMPROVEMENTS PROJECT - PENNINGTON COUNTY, SOUTH DAKOTA



# 09SR045





SHEETS 7, 12, 17, 24

WEST CHICAGO STREET

SHEETS 8, 13, 18, 25

SHEETS 9, 14, 19, 26

SHEETS 10, 15, 20, 27

SHEETS 11, 16, 21, 28

WEST ST. LOUIS ST.

WEST ST. LOUIS STREET

NORDBY LANE

SOUTH CANYON ELEMENTARY SCHOOL

W. OMAHA STREET

W. OMAHA STREET

WEST MAIN STREET

WEST MAIN STREET

SEE GENERAL NOTES FOR TEMPORARY FACILITIES FOR EXPELLING AIR FROM AND FLUSHING MAINS

W. Chicago Water MstrNetwgt1763Aerial.dwg, Sheet 1, 5/7/2009 1:35:06 PM.



Prepared for:  
**F.M.G., Inc.**  
 3700 SturGIS Road  
 Naperville, IL 60563  
 (630) 942-4105 FAX (630) 942-4232  
 www.fmgengineering.com



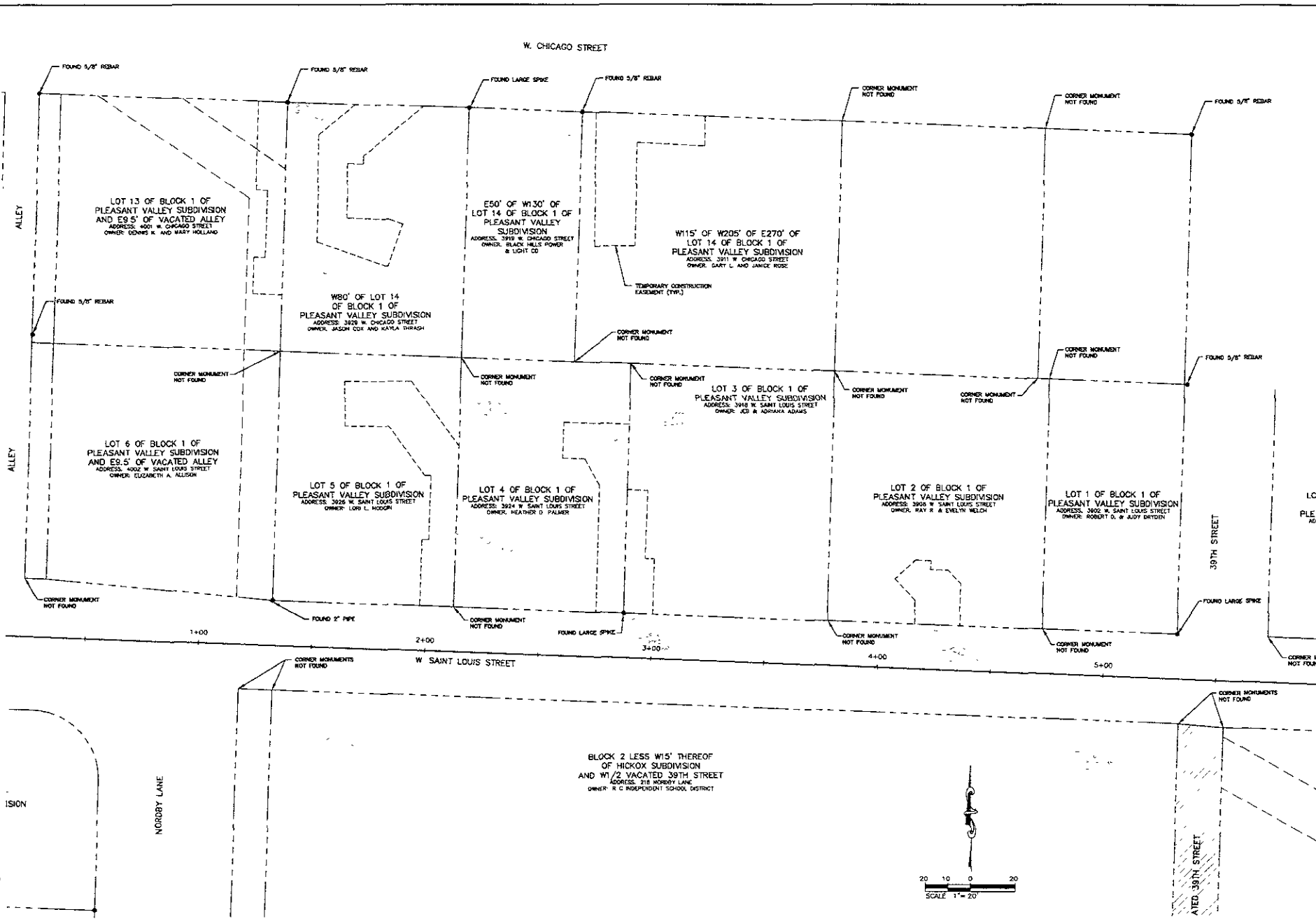
PRELIMINARY  
 NOT FOR  
 CONSTRUCTION

Scale:	1"=20'
Designed by:	CHK/JMS
Design Date:	MAY 2009
Issued Job No.:	080628
Drawn by:	F.M.G.
Survey Date:	1/02-3/09
Revisions:	

WEST CHICAGO AREA  
 WATER MAIN RECONSTRUCTION



W. Chicago Water Main(dwg)1763Leg.dwg, 7/5/2009 1:38:21 PM



Prepared by: **F M G, Inc.**  
 3700 Burdick Road  
 Rapid City, SD 57702-0317  
 (605) 342-4105 FAX: (605) 342-4222  
 www.fmgengineering.com

PRELIMINARY  
 NOT FOR  
 CONSTRUCTION

Scale: 1"=20'  
 Checked by: **CONRAD CLK/MS**  
 Design Date: **MAY 2008** Print Date: **MAY 2008**  
 Estimated Job No: **080288**  
 Surveyed by: **FAK** Survey Date: **1/08-3/08**

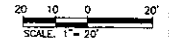
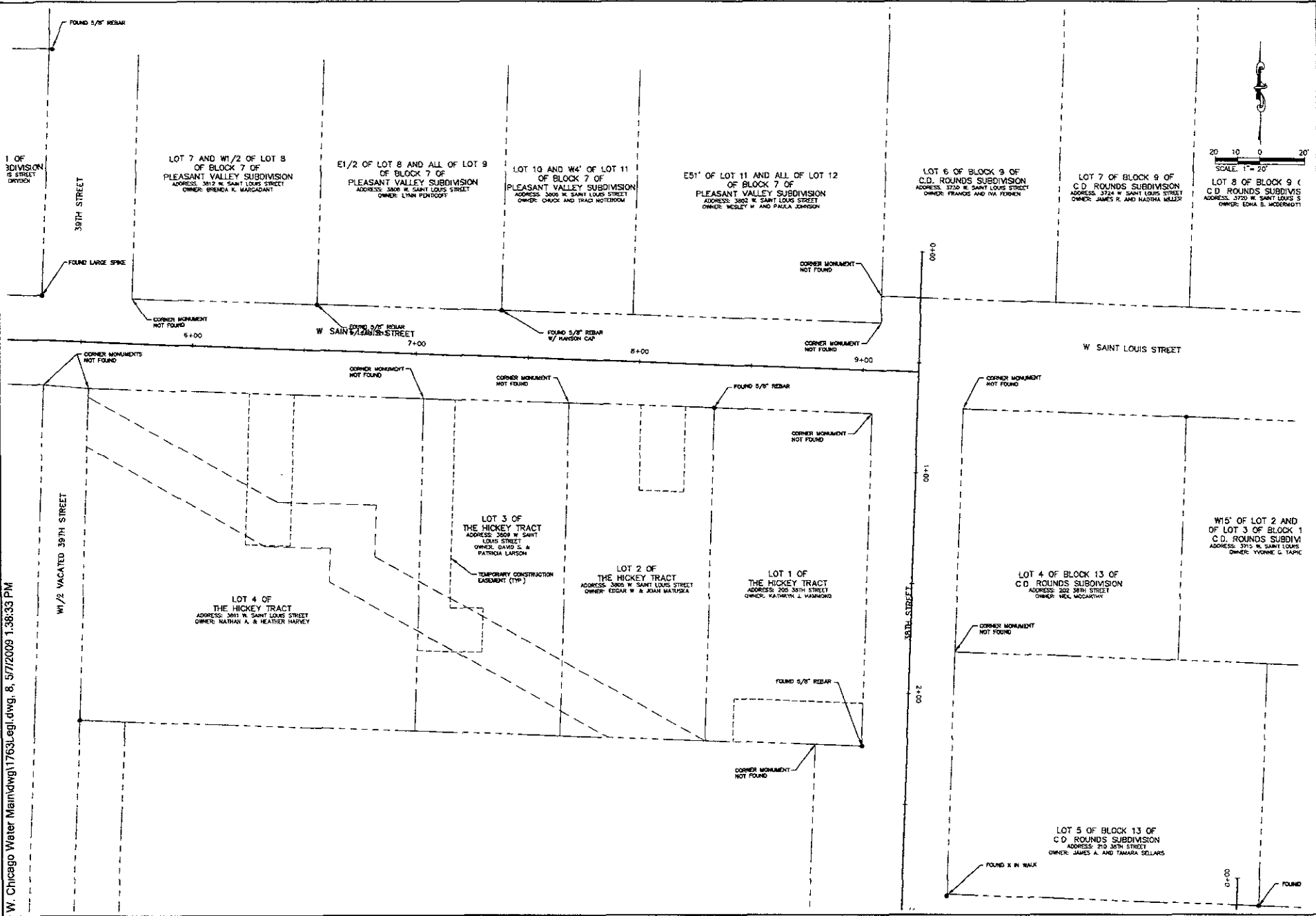
LC  
 PLE  
 AD


**WEST CHICAGO AREA  
 WATER MAIN RECONSTRUCTION**

Sheet No: \_\_\_\_\_  
 PROPERTY

7 of 31

H:\1089098 W. Chicago Water Main\dwg\17631.epl.dwg, 8, 5/7/2009 1:38:33 PM



Prepared For:  
  
 Public Works Department  
 Engineer: D. Wilson

**F M G, Inc.**  
 3700 Blunt's Road  
 Rapid City, SD 57702-6317  
 Phone: 605-342-1000  
 www.fmginc.com



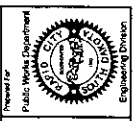
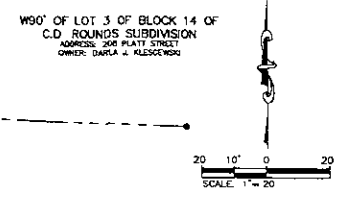
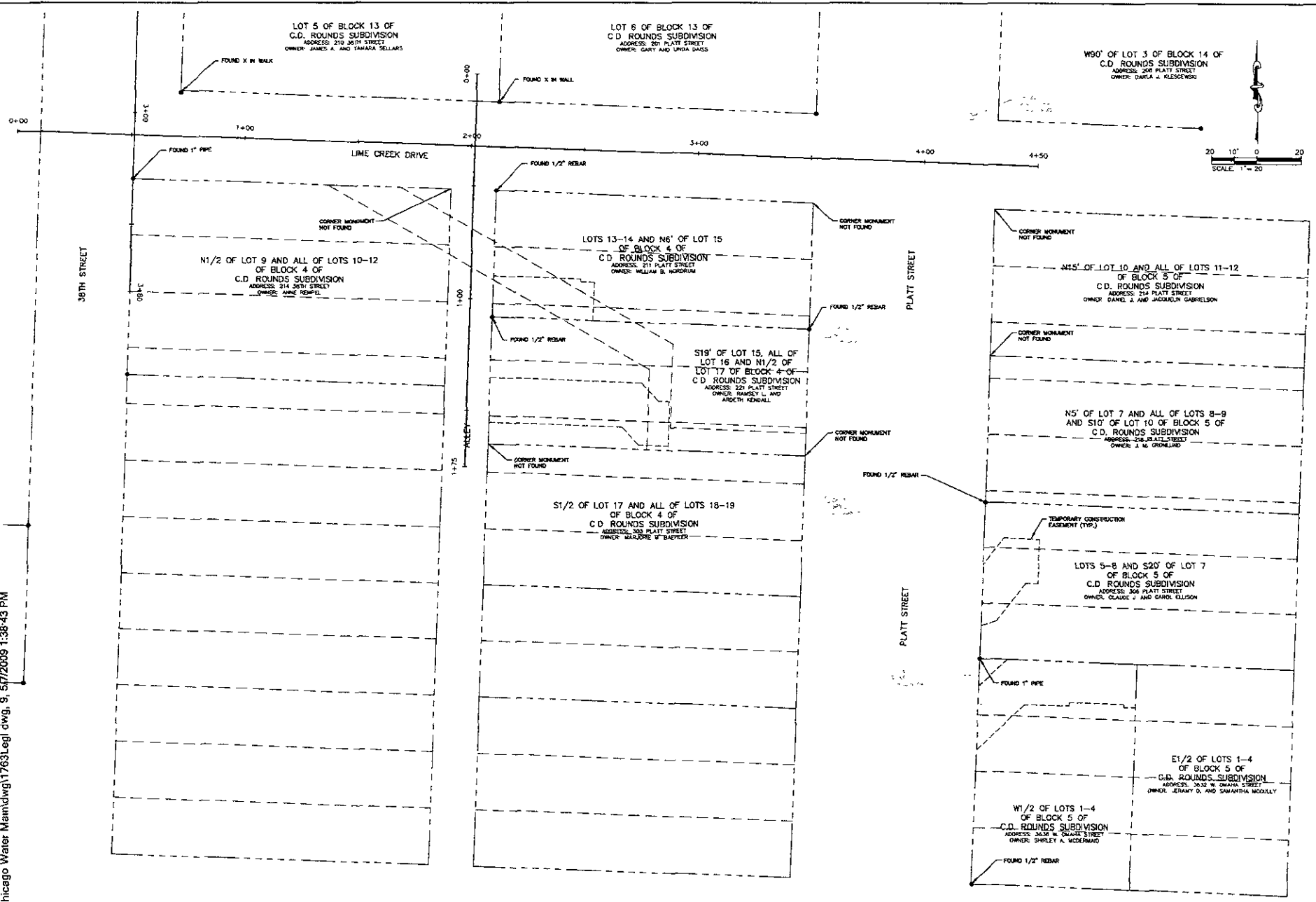
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NOT FOR  
CONSTRUCTION**

Scale:	1"=20'
Designed By:	Drawn By:
CHKADT	CKLAKAB
Design Date:	Plot Date:
MAY 2009	MAY 2009
Information No.:	Checked:
000000	
Surveyed By:	Survey Date:
FMG	1/09-3/09
Name:	

**WEST CHICAGO AREA  
WATER MAIN RECONSTRUCTION**

Sheet Title:  
**PROPERTY**

Sheet:  
**8 of 31**



**F.M.G., Inc.**  
 3708 Stingle Road  
 (800) 342-4100 FAX (800) 342-4222  
 www.fmgengineering.com



**PRELIMINARY  
 NOT FOR  
 CONSTRUCTION**

Scale: 1"=20'  
 Design by: COKLAUF  
 Design Date: MAY 2009  
 Project Job No: 089098  
 Survey Date: 1/05-2/08

**WEST CHICAGO AREA  
 WATER MAIN RECONSTRUCTION**

Sheet Title: **PROPERTY**  
 Sheet: **9 of 31**

LOT 18 OF  
LIME CREEK SUBDIVISION

W/2 OF LOT 26, ALL OF LOTS 27-30  
OF BLOCK 2 OF C.D. ROUNDS  
SUBDIVISION AND S1/2 OF VACATED  
ALLEY ADJACENT TO LOTS 27-30  
ADDRESS: 3027 W. OMAHA STREET  
OWNER: DINO E. AND JACQUE MARIE

LOT 17 OF  
LIME CREEK SUBDIVISION

LOT 16 OF  
LIME CREEK SUBDIVISION

W OMAHA STREET

FOUND 5/8" REBAR  
W/ CAP 1771

CORNER MONUMENT  
NOT FOUND

FOUND 1" PIPE

FOUND 5/8" REBAR & CAP

FOUND 1" PIPE

CORNER MONUMENT  
NOT FOUND

LOT 7 OF BLOCK 2 OF  
C.D. ROUNDS SUBDIVISION  
ADDRESS: 3027 W. OMAHA STREET  
OWNER: THELMA L. BRANNITON

LOT 6 OF BLOCK 2 OF  
C.D. ROUNDS SUBDIVISION  
ADDRESS: 3027 W. OMAHA STREET  
OWNER: THELMA L. BRANNITON

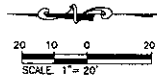
LOT 5 OF BLOCK 2 OF  
C.D. ROUNDS SUBDIVISION  
ADDRESS: 3027 W. OMAHA STREET  
OWNER: THELMA L. BRANNITON

LOT 7 OF BLOCK 2 OF  
C.D. ROUNDS SUBDIVISION  
ADDRESS: 3027 W. OMAHA STREET  
OWNER: THELMA L. BRANNITON

LOT 6 OF BLOCK 2 OF  
C.D. ROUNDS SUBDIVISION  
ADDRESS: 3027 W. OMAHA STREET  
OWNER: THELMA L. BRANNITON

LOT 5 OF BLOCK 2 OF  
C.D. ROUNDS SUBDIVISION  
ADDRESS: 3027 W. OMAHA STREET  
OWNER: THELMA L. BRANNITON

TEMPORARY CONSTRUCTION  
EASEMENT (TYP)



FOUND 5/8" REBAR

CORNER MONUMENT  
NOT FOUND

CORNER MONUMENT  
NOT FOUND

WEST CHICAGO AREA  
WATER MAIN RECONSTRUCTION

PROPERTY

Sheet 10 of 31

Scale	1"=20'
Designed By	CKW/ADF
Checked By	CKW/JMS
Design Date	MAY 2009
Plot Date	MAY 2009
Internal Job No.	090608
Drawn By	FMK
Sheet Count	108-308

PRELIMINARY  
NOT FOR  
CONSTRUCTION

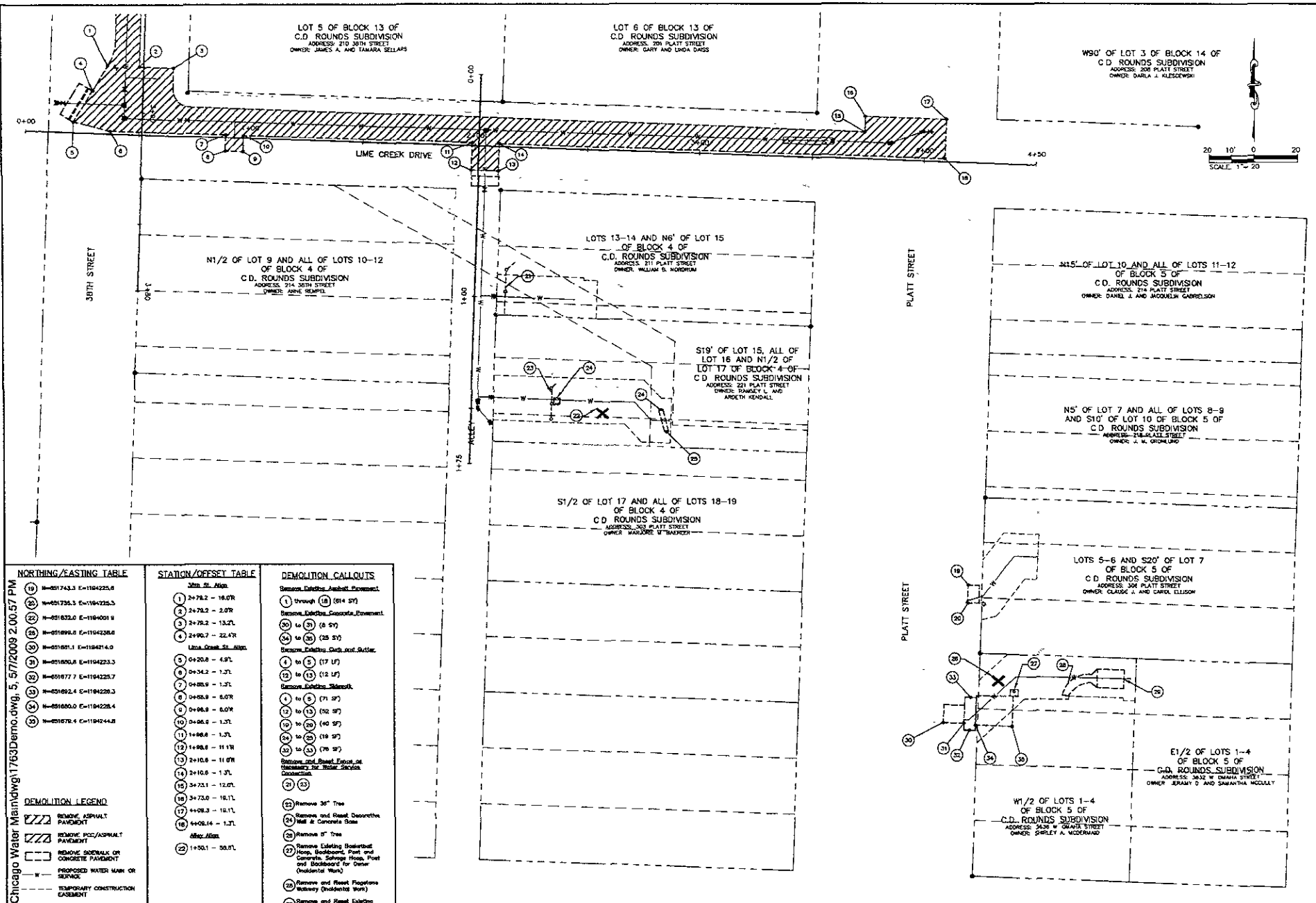
Prepared by  
**F M G, Inc.**  
3700 Burgis Road  
Rapid City, SD 57702-0817  
Phone: 605-342-4222  
www.fmgengineering.com

Approved for  
Public Works Department  
Engineer Division









**F&M G, Inc.**  
 2700 Riverside Road  
 Naperville, IL 60563  
 (630) 342-4100 FAX (630) 342-4222  
 www.fmgengineering.com

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PRELIMINARY  
NOT FOR  
CONSTRUCTION

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Scale: 1"=20'	Drawn By: CUNJKS
Designed By: CGKADP	Check Date: MAY 2009
Drawn Date: MAY 2009	Print Date: MAY 2009
Internal Job No: 090908	
Drawn By: F&M G	Survey Date: 1/08-5/08
Reviewed:	

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WEST CHICAGO AREA  
WATER MAIN RECONSTRUCTION

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DEMOLITION  
PLAN

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14 of 31

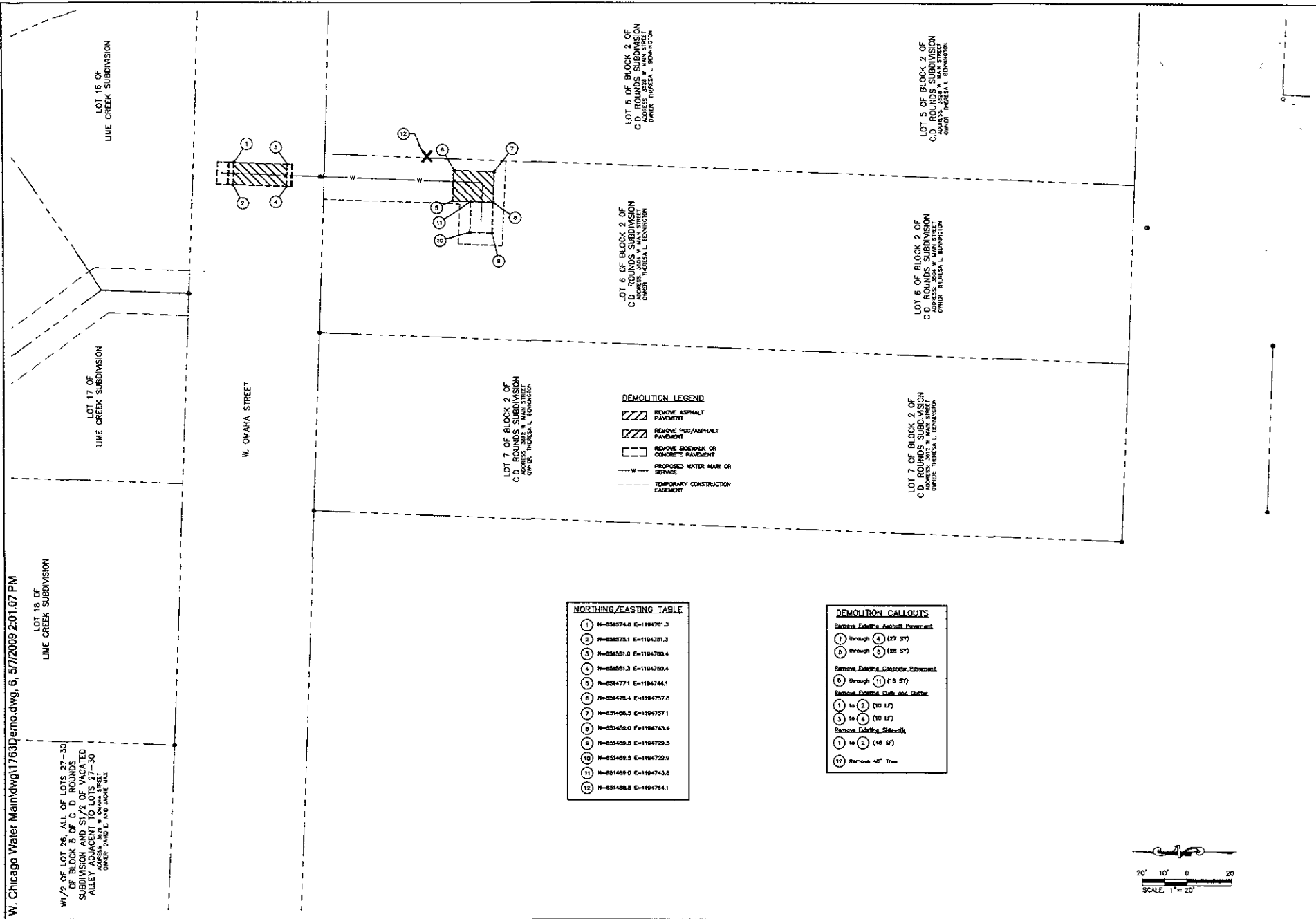
NORTHING/EASTING TABLE	STATION/OFFSET TABLE	DEMOLITION CALLOUTS																																																										
<table border="0"> <tr><td>1</td><td>N=09743.3 E=194225.6</td></tr> <tr><td>2</td><td>N=09735.3 E=194225.3</td></tr> <tr><td>3</td><td>N=09732.0 E=194200.8</td></tr> <tr><td>4</td><td>N=09729.0 E=194238.6</td></tr> <tr><td>5</td><td>N=09701.1 E=194214.0</td></tr> <tr><td>6</td><td>N=09700.0 E=194223.3</td></tr> <tr><td>7</td><td>N=09777.7 E=194225.7</td></tr> <tr><td>8</td><td>N=09792.4 E=194229.3</td></tr> <tr><td>9</td><td>N=09760.0 E=194228.4</td></tr> <tr><td>10</td><td>N=09767.8 E=194244.8</td></tr> </table>	1	N=09743.3 E=194225.6	2	N=09735.3 E=194225.3	3	N=09732.0 E=194200.8	4	N=09729.0 E=194238.6	5	N=09701.1 E=194214.0	6	N=09700.0 E=194223.3	7	N=09777.7 E=194225.7	8	N=09792.4 E=194229.3	9	N=09760.0 E=194228.4	10	N=09767.8 E=194244.8	<p style="text-align: center;"><i>30th St. Area</i></p> <table border="0"> <tr><td>1</td><td>2+78.2 - 18.0R</td></tr> <tr><td>2</td><td>2+78.2 - 2.0R</td></tr> <tr><td>3</td><td>2+78.2 - 13.2L</td></tr> <tr><td>4</td><td>2+90.7 - 22.4R</td></tr> </table> <p style="text-align: center;"><i>Lime Creek St. Area</i></p> <table border="0"> <tr><td>5</td><td>0+20.8 - 4.9L</td></tr> <tr><td>6</td><td>0+34.2 - 1.3L</td></tr> <tr><td>7</td><td>0+89.9 - 1.3L</td></tr> <tr><td>8</td><td>0+48.9 - 6.0R</td></tr> <tr><td>9</td><td>0+96.9 - 6.0R</td></tr> <tr><td>10</td><td>0+96.9 - 1.3L</td></tr> <tr><td>11</td><td>1+98.8 - 1.3L</td></tr> <tr><td>12</td><td>1+98.8 - 11.1R</td></tr> <tr><td>13</td><td>2+10.8 - 11.0R</td></tr> <tr><td>14</td><td>2+10.8 - 1.3L</td></tr> <tr><td>15</td><td>3+73.1 - 12.0L</td></tr> <tr><td>16</td><td>3+73.0 - 16.1L</td></tr> <tr><td>17</td><td>4+09.3 - 16.1L</td></tr> <tr><td>18</td><td>4+08.14 - 1.3L</td></tr> </table> <p style="text-align: center;"><i>Other Area</i></p> <table border="0"> <tr><td>22</td><td>1+50.1 - 50.5L</td></tr> </table>	1	2+78.2 - 18.0R	2	2+78.2 - 2.0R	3	2+78.2 - 13.2L	4	2+90.7 - 22.4R	5	0+20.8 - 4.9L	6	0+34.2 - 1.3L	7	0+89.9 - 1.3L	8	0+48.9 - 6.0R	9	0+96.9 - 6.0R	10	0+96.9 - 1.3L	11	1+98.8 - 1.3L	12	1+98.8 - 11.1R	13	2+10.8 - 11.0R	14	2+10.8 - 1.3L	15	3+73.1 - 12.0L	16	3+73.0 - 16.1L	17	4+09.3 - 16.1L	18	4+08.14 - 1.3L	22	1+50.1 - 50.5L	<p><b>Remove Existing Asphalt Pavement</b></p> <p>1 through 18 (814 SF)</p> <p><b>Remove Existing Concrete Pavement</b></p> <p>20 to 21 (8 SF)</p> <p>24 to 26 (28 SF)</p> <p><b>Remove Existing Curb and Gutter</b></p> <p>4 to 5 (17 LF)</p> <p>12 to 13 (12 LF)</p> <p><b>Remove Existing Sidewalk</b></p> <p>4 to 5 (71 SF)</p> <p>12 to 13 (52 SF)</p> <p>19 to 20 (40 SF)</p> <p>24 to 25 (19 SF)</p> <p>26 to 27 (76 SF)</p> <p><b>Remove and Reveal Front of Necessary for Water Service Connections</b></p> <p>21, 23</p> <p>21 Remove 35" Tree</p> <p>22 Remove and Reveal Decorative Wall &amp; Concrete Base</p> <p>24 Remove 0" Tree</p> <p>27 Remove Existing (Reinforced) Stone, Backdrop, Post and Concrete, Salvage Hoop, Post and Stakeholders for Owner (Incidental Work)</p> <p>28 Remove and Reveal Flagstone Walkway (Incidental Work)</p> <p>29 Remove and Reveal Existing Storage Building (Incidental Work)</p>
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2	N=09735.3 E=194225.3																																																											
3	N=09732.0 E=194200.8																																																											
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16	3+73.0 - 16.1L																																																											
17	4+09.3 - 16.1L																																																											
18	4+08.14 - 1.3L																																																											
22	1+50.1 - 50.5L																																																											

**DEMOLITION LEGEND**

	REMOVE ASPHALT PAVEMENT
	REMOVE PCC/ASPHALT PAVEMENT
	REMOVE SIDEWALK OR CONCRETE PAVEMENT
	PROPOSED WATER MAIN OR SERVICE
	TEMPORARY CONSTRUCTION EASEMENT

W: Chicago Water Main.dwg:1763Demo.dwg, 5/7/2009 2:00:57 PM





W 1/2 OF LOT 26, ALL OF LOTS 27-30 OF LIME CREEK SUBDIVISION AND S 1/2 OF VACATED ALLEY ADJACENT TO LOTS 27-30 ADDRESS: 3218 W. OMAHA STREET OWNER: THOMAS L. AND JOANNE BAK

LOT 18 OF LIME CREEK SUBDIVISION

LOT 17 OF LIME CREEK SUBDIVISION

LOT 16 OF LIME CREEK SUBDIVISION

W. OMAHA STREET

LOT 2 OF BLOCK 2 OF C.D. ROUNDABOUT SUBDIVISION ADDRESS: 3218 W. MAIN STREET OWNER: THERESA L. BENNINGTON

LOT 6 OF BLOCK 2 OF C.D. ROUNDABOUT SUBDIVISION ADDRESS: 3218 W. MAIN STREET OWNER: THERESA L. BENNINGTON

LOT 5 OF BLOCK 5 OF C.D. ROUNDABOUT SUBDIVISION ADDRESS: 3218 W. MAIN STREET OWNER: THERESA L. BENNINGTON

LOT 6 OF BLOCK 2 OF C.D. ROUNDABOUT SUBDIVISION ADDRESS: 3218 W. MAIN STREET OWNER: THERESA L. BENNINGTON

LOT 5 OF BLOCK 2 OF C.D. ROUNDABOUT SUBDIVISION ADDRESS: 3218 W. MAIN STREET OWNER: THERESA L. BENNINGTON

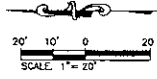
LOT 7 OF BLOCK 2 OF C.D. ROUNDABOUT SUBDIVISION ADDRESS: 3218 W. MAIN STREET OWNER: THERESA L. BENNINGTON

- DEMOLITION LEGEND**
- REMOVE ASPHALT PAVEMENT
  - REMOVE POB/ASPHALT PAVEMENT
  - REMOVE SIDEWALK OR CONCRETE PAVEMENT
  - PROPOSED WATER MAIN OR SERVICE
  - TEMPORARY CONSTRUCTION FENCEMENT

**NORTHING/EASTING TABLE**

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6	N=51476.4	E=1194757.0
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8	N=51456.0	E=1194743.4
9	N=51496.3	E=1194729.3
10	N=51468.3	E=1194729.9
11	N=51468.0	E=1194743.8
12	N=51496.3	E=1194764.1

- DEMOLITION CALLOUTS**
- Remove Existing Asphalt Pavement**
- 7 through 8 (27 SF)
  - 9 through 10 (28 SF)
- Remove Existing Concrete Pavement**
- 3 through 11 (18 SF)
- Remove Existing Curb and Gutter**
- 1 to 2 (10 LF)
  - 3 to 4 (10 LF)
- Remove Existing Sidewalk**
- 1 to 2 (48 SF)
  - 12 Remove 40" Tree



Prepared For  
Public Works Department

**F M G, Inc.**  
2700 Exchange Road, Chicago, IL 60631  
(800) 243-4104 FAX: (800) 243-4222  
www.fmgengineering.com

Engineering Division

---

PRELIMINARY  
NOT FOR  
CONSTRUCTION

---

Scale: 1"=20'

Designed by: COX/ADF  
Design Date: MAY 2009  
Revised date: 08/2009

Checked by: CHU/JMK  
Print Date: MAY 2009

Drawn by: Survey Data  
Date: 1/09-3/09

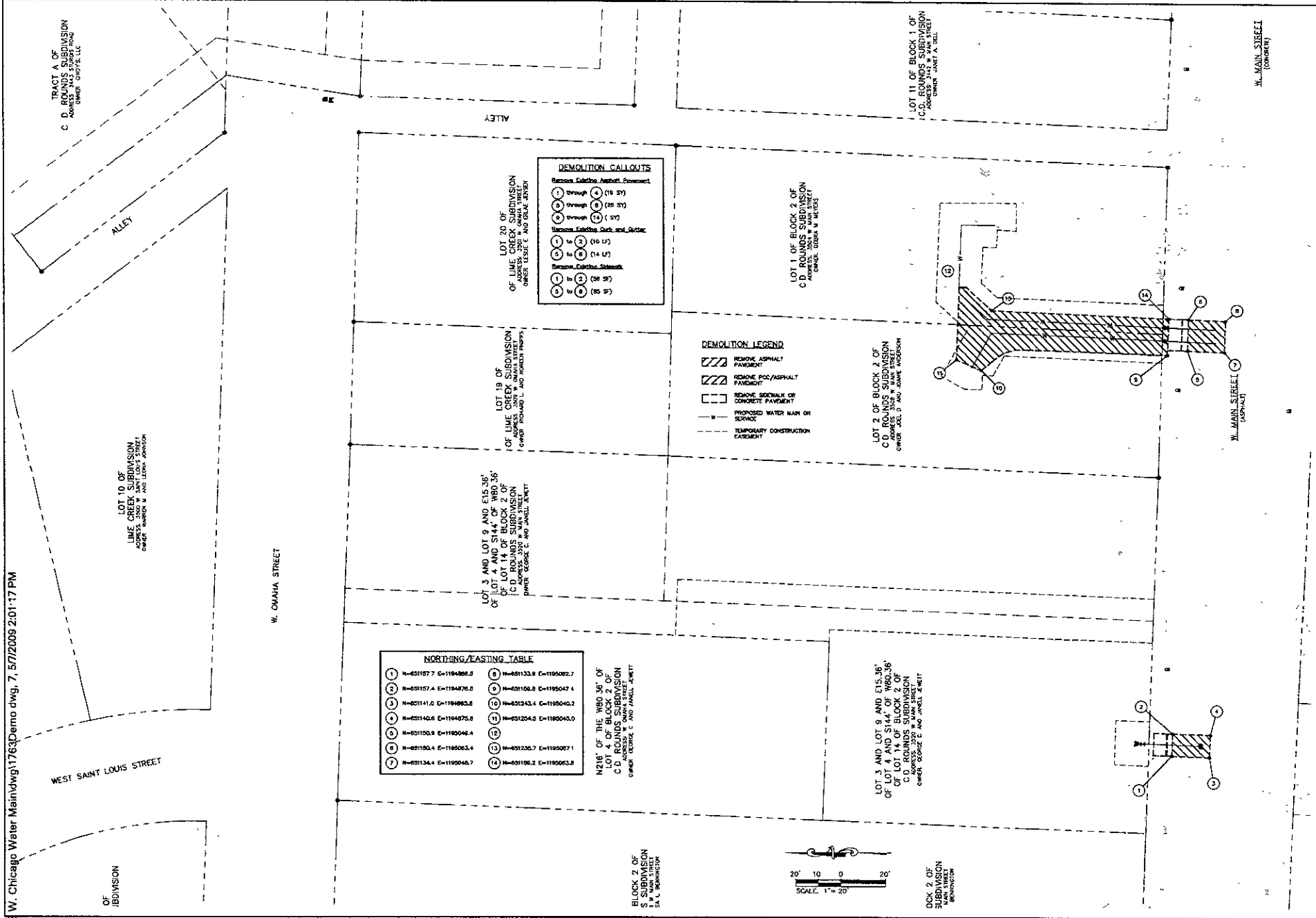
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WEST CHICAGO AREA  
WATER MAIN RECONSTRUCTION

---

Sheet No. 15 of 31

Drawn by: \_\_\_\_\_  
Date: \_\_\_\_\_



**DEMOLITION CALLOUTS**

Remove Existing Asphalt Pavement

① through ④ (16 SF)

⑤ through ⑧ (26 SF)

⑨ through ⑫ (37 SF)

Remove Existing Curb and Gutter

⑬ to ⑭ (10 LF)

⑮ to ⑯ (14 LF)

Remove Existing Sidewalk

⑰ to ⑱ (36 SF)

⑲ to ⑳ (25 SF)

**DEMOLITION LEGEND**

▨ REMOVE ASPHALT PAVEMENT

▨ REMOVE PCC/ASPHALT PAVEMENT

□ REMOVE SIDEWALK OR CONCRETE PAVEMENT

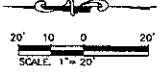
— W PROPOSED WATER MAIN OR SERVICE

- - - TEMPORARY CONSTRUCTION CASSEMENT

**NORTHING/EASTING TABLE**

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④ N=621140.8 E=1194875.8	⑪ N=621254.5 E=1195045.0
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⑥ N=621150.4 E=1195063.4	⑬ N=621192.2 E=1195063.8
⑦ N=621134.4 E=1195048.7	

N216' OF THE W80.36' OF LOT 4 OF BLOCK 2 OF C.D. ROUNDS SUBDIVISION OWNED BY GEORGE C. AND JANELLE SWETT



Project For: **Public Works Department**

**F M G, Inc.**  
 3700 Bunge Road  
 Mayfield Heights, OH 44131  
 (800) 542-4100 FAX (800) 542-4222  
 www.fmgengineering.com

Prepared By: **Engineering Division**

**PRELIMINARY NOT FOR CONSTRUCTION**

Scale: 1"=20'

Designed By: **CKG/ADF** Drawn By: **CKJ/KJK**  
 Check By: **PKS** Date: **MAY 2009** Plot Date: **MAY 2009**  
 Internal Job No: **050089** External Job No: **169-300**

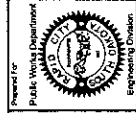
Reviewed By: **FMG** Date: **169-300**

Remarks:

**WEST CHICAGO AREA WATER MAIN RECONSTRUCTION**

Sheet: **DEMOLITION PLAN**

Sheet File: **16 of 31**



Presented by  
**F.M.G., Inc.**  
 2700 Riverside Road  
 Naperville, IL 60563-0017  
 (630) 942-5100 FAX (630) 942-4822  
 www.fmgengineering.com

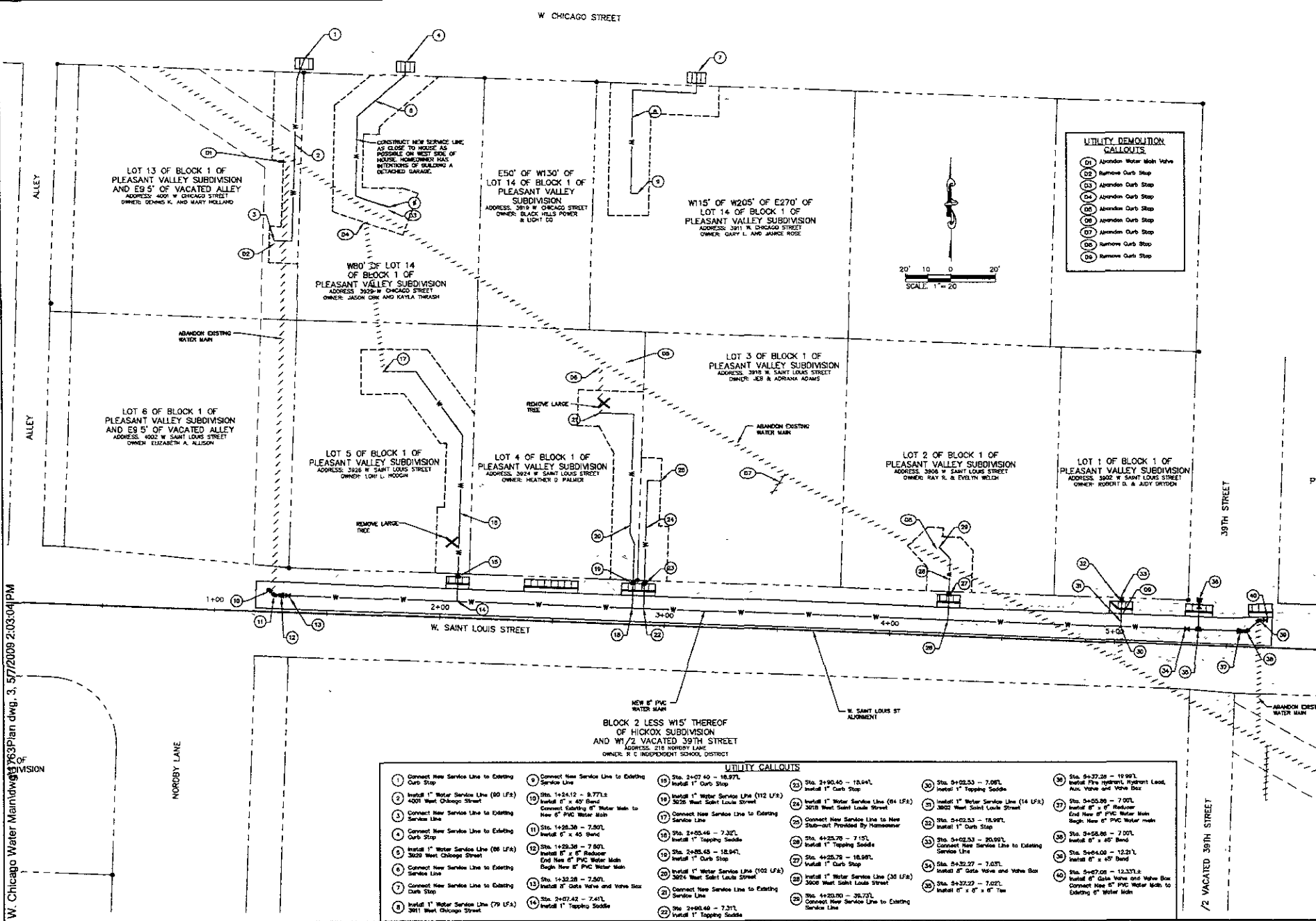
PRELIMINARY  
 NOT FOR  
 CONSTRUCTION

Scale: 1"=20'  
 Design By: CJK/JKS  
 Design Date: MAY 2008  
 Permit Job No: 080504  
 Checked by: F.M.G.  
 Survey Date: 1/09-3/09

LC  
 PLE AD

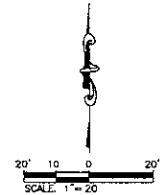
WEST CHICAGO AREA  
 WATER MAIN RECONSTRUCTION

Sheet Title:  
 PLAN



**UTILITY DEMOLITION CALLOUTS**

- (01) Abandon Water Main Valve
- (02) Remove Curb Stop
- (03) Abandon Curb Stop
- (04) Abandon Curb Stop
- (05) Abandon Curb Stop
- (06) Abandon Curb Stop
- (07) Abandon Curb Stop
- (08) Remove Curb Stop
- (09) Remove Curb Stop

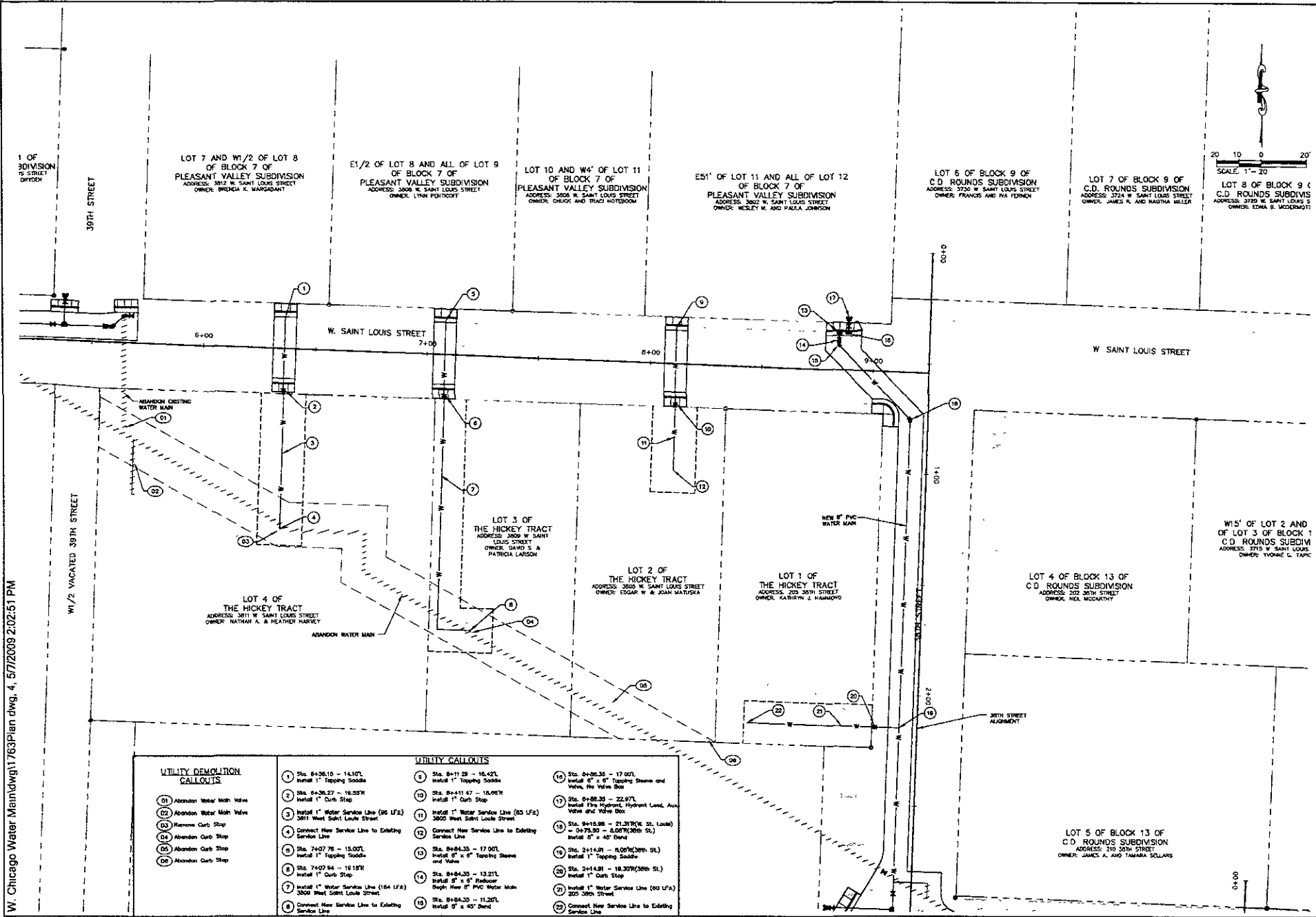


**UTILITY CALLOUTS**

(1) Connect New Service Line to Existing Curb Stop	(9) Connect New Service Line to Existing Service Line	(17) Sta. 2+07.40 - 18.97L Install 1" Curb Stop	(25) Sta. 5+02.53 - 7.07L Install 1" Topping Saddle
(2) Install 1" Water Service Line (90 LF) 400' West Chicago Street	(10) Sta. 1+54.12 - 8.77L Install 6" x 40' Band Connect Existing 8" Water Main to New 6" PVC Water Main	(18) Sta. 2+45.46 - 7.32L Install 1" Topping Saddle	(26) Sta. 5+02.53 - 18.99L Install 1" Curb Stop
(3) Connect New Service Line to Existing Curb Stop	(11) Sta. 1+28.36 - 7.97L Install 6" x 45' Band	(19) Sta. 2+85.45 - 18.94L Install 1" Curb Stop	(27) Sta. 5+42.53 - 30.99L Connect New Service Line to Existing Service Line
(4) Connect New Service Line to Existing Curb Stop	(12) Sta. 1+22.36 - 7.80L Install 6" x 6" Reducer End New 6" PVC Water Main Begin New 8" PVC Water Main	(20) Sta. 1+32.28 - 7.90L Install 3" Gate Valve and Valve Box	(28) Sta. 5+42.53 - 30.99L Install 1" Curb Stop
(5) Install 1" Water Service Line (96 LF) 300' West Chicago Street	(13) Sta. 1+32.28 - 7.90L Install 3" Gate Valve and Valve Box	(21) Sta. 2+07.42 - 7.41L Install 1" Topping Saddle	(29) Sta. 5+42.53 - 30.99L Install 1" Curb Stop
(6) Connect New Service Line to Existing Service Line	(14) Sta. 2+07.42 - 7.41L Install 1" Topping Saddle	(22) Sta. 2+07.40 - 18.97L Install 1" Curb Stop	(30) Sta. 5+42.53 - 7.07L Install 1" Topping Saddle
(7) Connect New Service Line to Existing Curb Stop	(15) Sta. 1+54.12 - 8.77L Install 6" x 40' Band Connect Existing 8" Water Main to New 6" PVC Water Main	(23) Sta. 2+45.46 - 7.32L Install 1" Topping Saddle	(31) Sta. 5+42.53 - 18.99L Install 1" Curb Stop
(8) Install 1" Water Service Line (79 LF) 281' West Chicago Street	(16) Sta. 1+28.36 - 7.97L Install 6" x 45' Band	(24) Sta. 4+25.78 - 7.10L Install 1" Topping Saddle	(32) Sta. 5+42.53 - 30.99L Connect New Service Line to Existing Service Line
	(17) Sta. 1+22.36 - 7.80L Install 6" x 6" Reducer End New 6" PVC Water Main Begin New 8" PVC Water Main	(25) Sta. 4+25.78 - 18.99L Install 1" Curb Stop	(33) Sta. 5+42.53 - 30.99L Install 1" Curb Stop
	(18) Sta. 1+32.28 - 7.90L Install 3" Gate Valve and Valve Box	(26) Sta. 4+25.78 - 18.99L Install 1" Curb Stop	(34) Sta. 5+42.53 - 7.07L Install 3" Gate Valve and Valve Box
	(19) Sta. 2+07.42 - 7.41L Install 1" Topping Saddle	(27) Sta. 4+25.78 - 7.10L Install 1" Topping Saddle	(35) Sta. 5+42.53 - 7.07L Install 6" Gate Valve and Valve Box Connect New 6" PVC Water Main to Existing 8" Water Main
	(20) Sta. 1+32.28 - 7.90L Install 3" Gate Valve and Valve Box	(28) Sta. 4+25.78 - 18.99L Install 1" Curb Stop	
	(21) Sta. 2+07.42 - 7.41L Install 1" Topping Saddle	(29) Sta. 4+25.78 - 18.99L Install 1" Curb Stop	
	(22) Sta. 2+07.40 - 18.97L Install 1" Curb Stop	(30) Sta. 4+25.78 - 18.99L Install 1" Curb Stop	
	(23) Sta. 2+45.46 - 7.32L Install 1" Topping Saddle	(31) Sta. 4+25.78 - 7.10L Install 1" Topping Saddle	
	(24) Sta. 4+25.78 - 7.10L Install 1" Topping Saddle	(32) Sta. 4+25.78 - 18.99L Install 1" Curb Stop	
	(25) Sta. 4+25.78 - 18.99L Install 1" Curb Stop	(33) Sta. 4+25.78 - 18.99L Install 1" Curb Stop	
	(26) Sta. 4+25.78 - 18.99L Install 1" Curb Stop	(34) Sta. 4+25.78 - 7.07L Install 3" Gate Valve and Valve Box	
	(27) Sta. 4+25.78 - 7.10L Install 1" Topping Saddle	(35) Sta. 4+25.78 - 7.07L Install 6" Gate Valve and Valve Box Connect New 6" PVC Water Main to Existing 8" Water Main	
	(28) Sta. 4+25.78 - 18.99L Install 1" Curb Stop		
	(29) Sta. 4+25.78 - 18.99L Install 1" Curb Stop		
	(30) Sta. 4+25.78 - 18.99L Install 1" Curb Stop		

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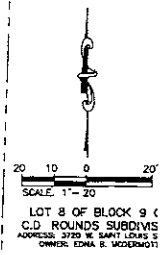


**UTILITY DEMOLITION CALLOUTS**

- 01 Abandon Water Main Valve
- 02 Abandon Water Main Valve
- 03 Remove Curb Stop
- 04 Abandon Curb Stop
- 05 Abandon Curb Stop
- 06 Abandon Curb Stop

**UTILITY CALLOUTS**

- 01 Sta. 6+36.10 - 14.07, Install 1" Tapping Saddle
- 02 Sta. 6+36.27 - 12.57R, Install 1" Curb Stop
- 03 Install 1" Water Service Line (86 LFA) 3811 West Saint Louis Street
- 04 Connect New Service Line to Existing Service Line
- 05 Sta. 7+07.78 - 15.00L, Install 1" Tapping Saddle
- 06 Sta. 7+07.84 - 19.15R, Install 1" Curb Stop
- 07 Install 1" Water Service Line (104 LFA) 3809 West Saint Louis Street
- 08 Connect New Service Line to Existing Service Line
- 09 Sta. 8+11.29 - 16.42L, Install 1" Tapping Saddle
- 10 Sta. 8+11.47 - 18.06R, Install 1" Curb Stop
- 11 Install 1" Water Service Line (85 LFA) 3805 West Saint Louis Street
- 12 Connect New Service Line to Existing Service Line
- 13 Sta. 8+84.35 - 17.00L, Install 8" x 6" Teeing Steeple and Valve
- 14 Sta. 8+84.30 - 13.21L, Install 8" x 6" Fishhook Bough New 8" PVC Water Main
- 15 Sta. 8+84.30 - 11.20L, Install 8" x 40" Bend
- 16 Sta. 8+15.88 - 17.00L, Install 8" x 6" Tapping Steeple and Valve, No Valve Box
- 17 Sta. 9+88.38 - 22.97L, Install Fire Hydrant, Hydrant Lead, Valve and Valve Box
- 18 Sta. 9+15.88 - 21.31R (W. St. Louis) - 04.78.50 - 8.00R (30th St.) Install 8" x 40" Bend
- 19 Sta. 2+14.81 - 18.30R (30th St.) Install 1" Tapping Saddle
- 20 Sta. 2+14.81 - 18.30R (30th St.) Install 1" Curb Stop
- 21 Install 1" Water Service Line (80 LFA) 800-30th Street
- 22 Connect New Service Line to Existing Service Line

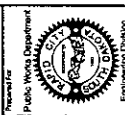


Presented by  
**F.M.G., Inc.**  
 3700 Burlingame Road  
 Chicago, IL 60631  
 (604) 342-1024 FAX (604) 348-4222  
 www.fmgengineering.com

PRELIMINARY  
 NOT FOR  
 CONSTRUCTION

Scale: 1"=20'  
 Designed by: GORADZ  
 Design Date: MAY 2009  
 Checked by: GORADZ  
 Reviewed by: F.M.G.  
 Drawn by: CK/JKMS  
 Plot Date: MAY 2009  
 Identified Job No.: 050506  
 Survey Date: 1/09-3/09  
 Revision:

WEST CHICAGO AREA  
 WATER MAIN RECONSTRUCTION



Presented by  
**F.M.G., Inc.**  
 3700 Burgis Road  
 Naperville, IL 60563  
 (630) 251-6000  
 www.fmginc.com

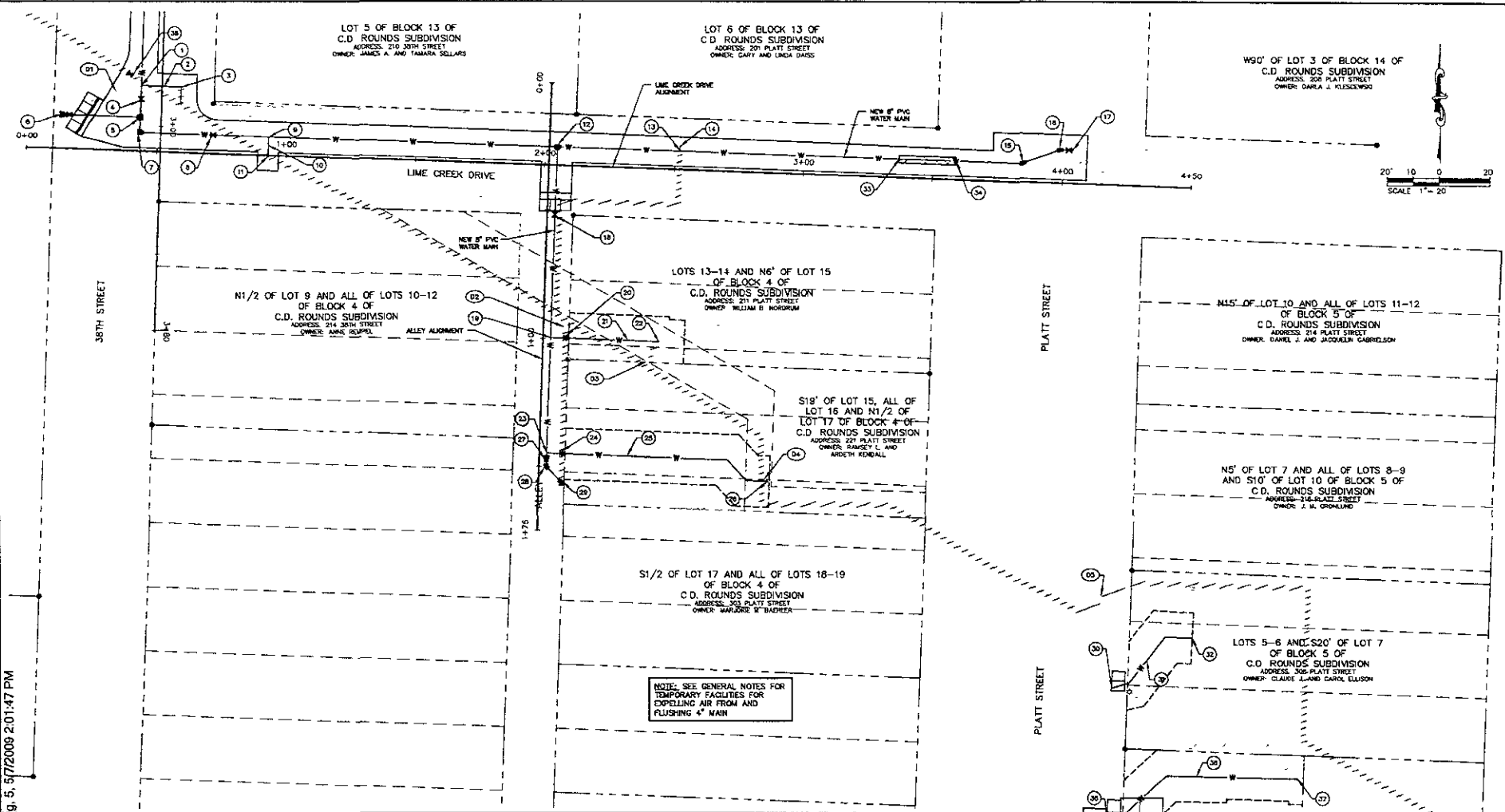


PRELIMINARY  
 NOT FOR  
 CONSTRUCTION

Scale: 1"=20'  
 Designed by: CDR/CRS  
 Checked by: CDR/CRS  
 Date: MAY 2009  
 Surveyed by: TMO  
 Survey Date: 1/05-3/09

WEST CHICAGO AREA  
 WATER MAIN RECONSTRUCTION

Sheet Title: PLAN  
 Sheet: 19 of 31



UTILITY DEMOLITION  
 CALLOUTS

- 1 Abandon Water Main Valve
- 2 Abandon Water Main Valve
- 3 Abandon Curb Stop
- 4 Abandon Curb Stop
- 5 Abandon Water Main Valve

UTILITY CALLOUTS

1 Sta. 2+04.14 - 5.067(30th St.) Install 1" Topping Saddle	6 Sta. 2+04.70 - 37.879(30th St.) Install 1" Water Service Line (2 LF) Connect New Service Line to Existing Service Line	11 Sta. 0+03.70 - 13.171(Lime Creek) Install 12" x 12" x 8" Topping Storm, Gate Valve and Valve Box	26 Connect New Service Line to Existing Curb Stop
2 Sta. 2+04.30 - 5.067(30th St.) Install 1" Water Service Line (8 LF) 214 30th Street	7 Sta. 3+02.70 - 8.097(30th St.) = 0+44.33 - 7.287(Lime Creek) Install 8" x 8" Bend	12 Sta. 2+04.64 - 7.277(Lime Creek) Install 8" x 8" Tee Begin New 8" PVC Water Main	27 Sta. 1+47.00 - 2.817(Alley) Install 8" x 4" Curved End New 8" PVC Water Main Depth New 4" PVC Water Main
3 Sta. 2+06.70 - 5.067(30th St.) Install 8" x 8" Tee	8 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	13 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	28 Sta. 1+00.00 - 2.807(Alley) Install 4" x 45" Bend
4 Sta. 2+06.70 - 5.067(30th St.) Install 8" x 8" Tee	9 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	14 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	29 Sta. 1+00.00 - 2.807(Alley) Install 4" x 45" Bend
5 Sta. 2+06.70 - 5.067(30th St.) Install 8" x 8" Tee	10 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	15 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	30 Sta. 2+78.85 - 12.497(30th Street) Cut in Temporary 10" Gate Valve and Box on Existing 10" G. MAIN to be Used for Construction Sequencing. At End of Project and Before Paving, Close Valve and Remove Valve Box.
6 Sta. 2+06.70 - 37.879(30th St.) Install 1" Water Service Line (2 LF) Connect New Service Line to Existing Service Line	11 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	16 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	31 Connect New Service Line to Existing Curb Stop
7 Sta. 3+02.70 - 8.097(30th St.) = 0+44.33 - 7.287(Lime Creek) Install 8" x 8" Bend	12 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	17 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	32 Install 1" Water Service Line (41 LF) 308 Platt Street
8 Sta. 0+17.35 - 7.287(Lime Creek) Install 8" Gate Valve and Valve Box	13 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	18 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	33 Connect New Service Line to New 8" x 8" Water Main Connect New Bend to Existing Water Main
9 Sta. 2+06.70 - 5.067(30th St.) Install 8" x 8" Tee	14 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	19 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	34 Sta. 3+57.02 - 7.287(Lime Creek) Begin Concrete Water Main Encasement
10 Sta. 2+06.70 - 5.067(30th St.) Install 8" x 8" Tee	15 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	20 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	35 Sta. 3+58.04 - 7.287(Lime Creek) End Concrete Water Main Encasement
11 Sta. 2+06.70 - 5.067(30th St.) Install 8" x 8" Tee	16 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	21 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	
12 Sta. 2+06.70 - 5.067(30th St.) Install 8" x 8" Tee	17 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	22 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	
13 Sta. 2+06.70 - 5.067(30th St.) Install 8" x 8" Tee	18 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	23 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	
14 Sta. 2+06.70 - 5.067(30th St.) Install 8" x 8" Tee	19 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	24 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	
15 Sta. 2+06.70 - 5.067(30th St.) Install 8" x 8" Tee	20 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	25 Sta. 2+04.81 - 6.907(Lime Creek) Install 1" Topping Saddle	

1763Plan.dwg, 5/17/2009 2:01:47 PM



TRACT A OF  
C. D. ROUNDS SUBDIVISION  
ADDRESS: 1000 W. MAIN STREET  
OWNER: CHRYSLER CREDIT LLC

LOT 10 OF  
LIME CREEK SUBDIVISION  
ADDRESS: 3000 W. OMAHA STREET  
OWNER: BARRON, W. AND LEON J. JAMESON

LOT 20 OF  
LIME CREEK SUBDIVISION  
ADDRESS: 3000 W. OMAHA STREET  
OWNER: LEASE E. AND DEAN JAMES

LOT 19 OF  
LIME CREEK SUBDIVISION  
ADDRESS: 3000 W. OMAHA STREET  
OWNER: ROBERT L. AND WALTER FRISCH

LOT 3 AND LOT 9 AND E15.36'  
OF LOT 4 AND S144.4' OF W80.36'  
OF LOT 14 OF BLOCK 2 OF  
C.D. ROUNDS SUBDIVISION  
ADDRESS: W. OMAHA STREET  
OWNER: GEORGE C. AND JANELLE KERTT

N716' OF THE W80.36'  
OF LOT 4 OF BLOCK 2 OF  
C.D. ROUNDS SUBDIVISION  
ADDRESS: W. OMAHA STREET  
OWNER: GEORGE C. AND JANELLE KERTT

LOT 3 AND LOT 9 AND E15.36'  
OF LOT 4 AND S144.4' OF W80.36'  
OF LOT 14 OF BLOCK 2 OF  
C.D. ROUNDS SUBDIVISION  
ADDRESS: W. OMAHA STREET  
OWNER: GEORGE C. AND JANELLE KERTT

BLOCK 2 OF  
SUBDIVISION  
W. MAIN STREET  
- BENNINGTON

LOT 1 OF BLOCK 2 OF  
C.D. ROUNDS SUBDIVISION  
ADDRESS: 3000 W. MAIN STREET  
OWNER: GEORGE C. AND JANELLE KERTT

LOT 2 OF BLOCK 2 OF  
C.D. ROUNDS SUBDIVISION  
ADDRESS: 3000 W. MAIN STREET  
OWNER: JILL D. AND JAMES J. ANDERSON

LOT 11 OF BLOCK 1 OF  
C.D. ROUNDS SUBDIVISION  
ADDRESS: 3000 W. MAIN STREET  
OWNER: JIMMY A. DELL

W. MAIN STREET  
(CONCRETE)

W OMAHA STREET

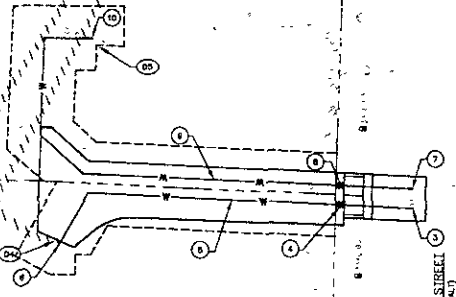
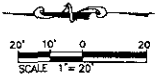
WEST SAINT LOUIS STREET

ALLEY

W. MAIN STREET  
(ASPHALT)

- UTILITY CALLOUTS**
- 1 Install 14" x 14" x 6" Topping Sleeve, Gate Valve and Valve Box
  - 2 Install Fire Hydrant, Flange and Lock, Gate Valve and Valve Box
  - 3 Install 1" Topping Saddle
  - 4 Install 1" Curb Stop
  - 5 Install 1" Water Service Line (110 UFG) 3001 West Main Street
  - 6 Connect New Service Line to Existing Service Line
  - 7 Install 1" Topping Saddle
  - 8 Install 1" Curb Stop
  - 9 Install 1" Water Service Line (110 UFG) 3004 West Main Street
  - 10 Connect New Service Line to Existing Service Line
  - 11 Concrete Existing Water Mains, Remove Existing Tap, Install New 6" x 60' Bend, Plug & Abandon Water Main to South

- UTILITY DEMOLITION CALLOUTS**
- 11 Abandon Water Main Plug
  - 12 Abandon Water Main Valve
  - 13 Abandon Water Main Valve
  - 14 Abandon Curb Stop If Curb Stop is Found
  - 15 Abandon Curb Stop

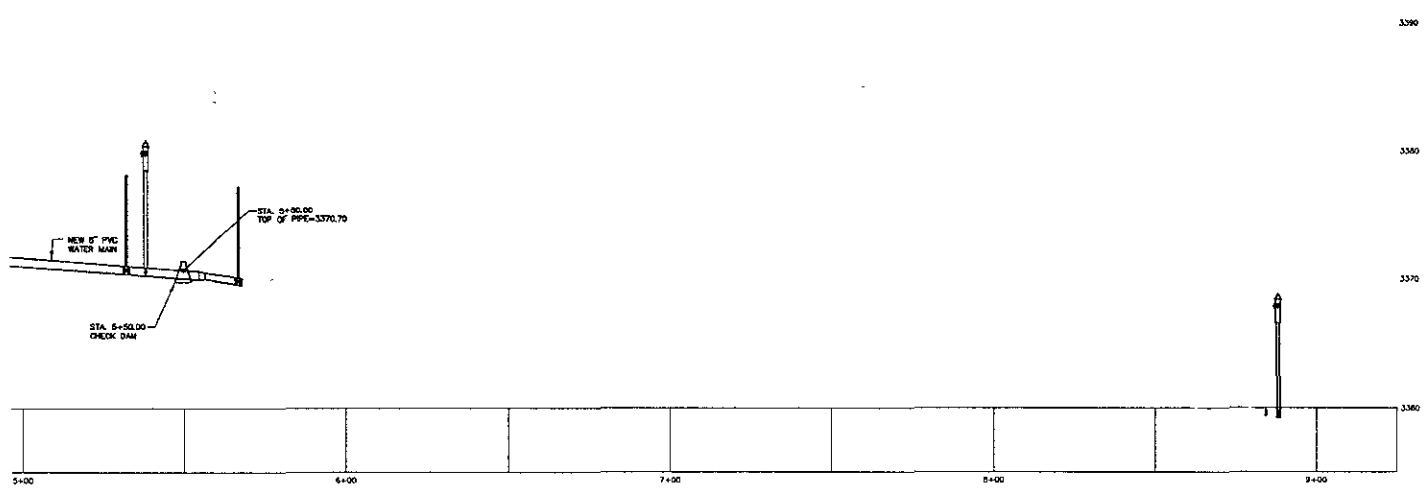
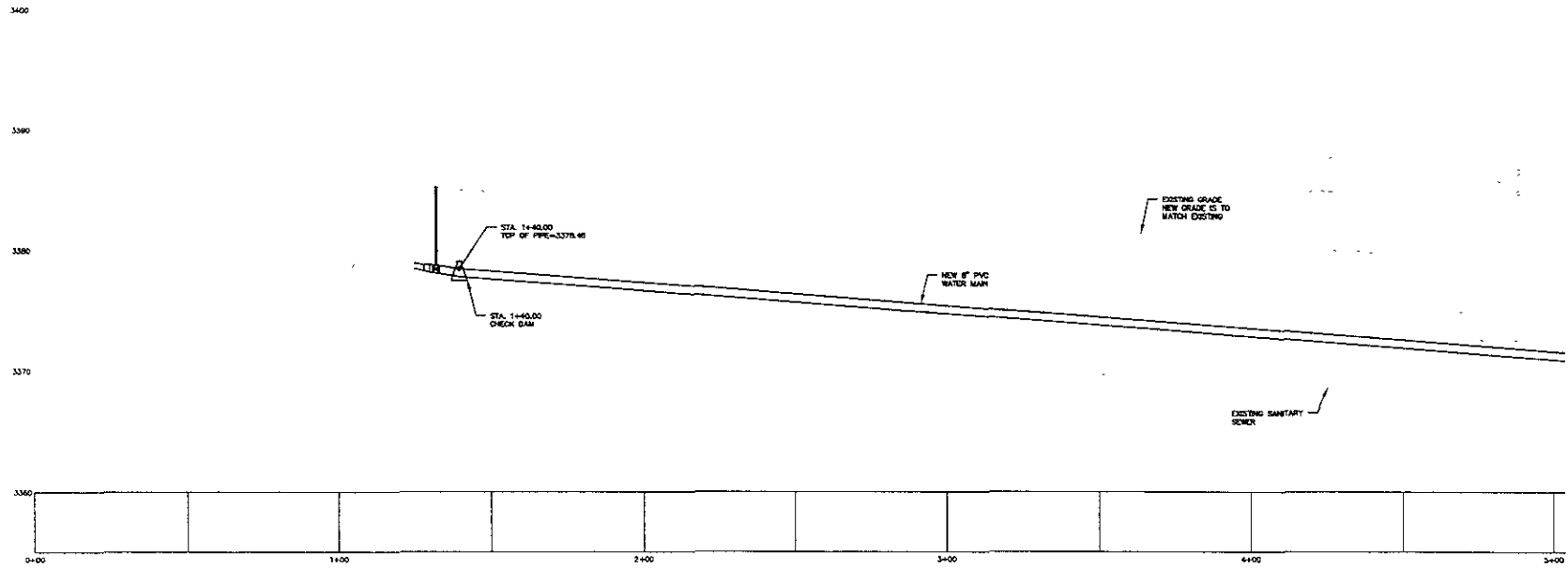


Prepared For  
**F M G, Inc.**  
3700 Bungele Road 705-0917  
(800) 342-4100 FAX (800) 342-4222  
www.fmgengineering.com

PRELIMINARY  
NOT FOR  
CONSTRUCTION

Scale: 1"=20'  
Designed by: COKIAUF COKIOWKS  
Design Date: MAY 2009 Print Date: MAY 2009  
Where used in: 1058-2009  
088008  
Supplied by: Survey Date: F.M.G. 1058-2009  
Remarks:

WEST CHICAGO AREA  
WATER MAIN RECONSTRUCTION



**W. SAINT LOUIS STREET PROFILE**  
 HORIZONTAL SCALE: 1"=20'  
 VERTICAL SCALE: 1"=5'



**F.M.G., Inc.**  
 3700 Burbule Road  
 Rapid City, SD 57702-0817  
 (605) 342-4100 FAX (605) 342-4222  
 www.fmgengineering.com

PRELIMINARY  
 NOT FOR  
 CONSTRUCTION

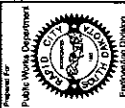
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 Prepared By: CONRAD  
 Checked By: CHUKWKS  
 Design Date: MAY 2009  
 Internal Job No: 082008  
 Surveyed By: EAC  
 Survey Date: 10/5-2005

WEST CHICAGO AREA  
 WATER MAIN RECONSTRUCTION

PROFILES

098 W. Chicago Water Main.dwg\1763Plan.dwg, 8, 5/7/2009 2:05:02 PM





Prepared For  
**F.M.G., Inc.**  
 3700 Stangle Road  
 Rapid City, SD 57703-0317  
 (605) 342-4444 (605) 342-4422  
 www.fmg-engineering.com

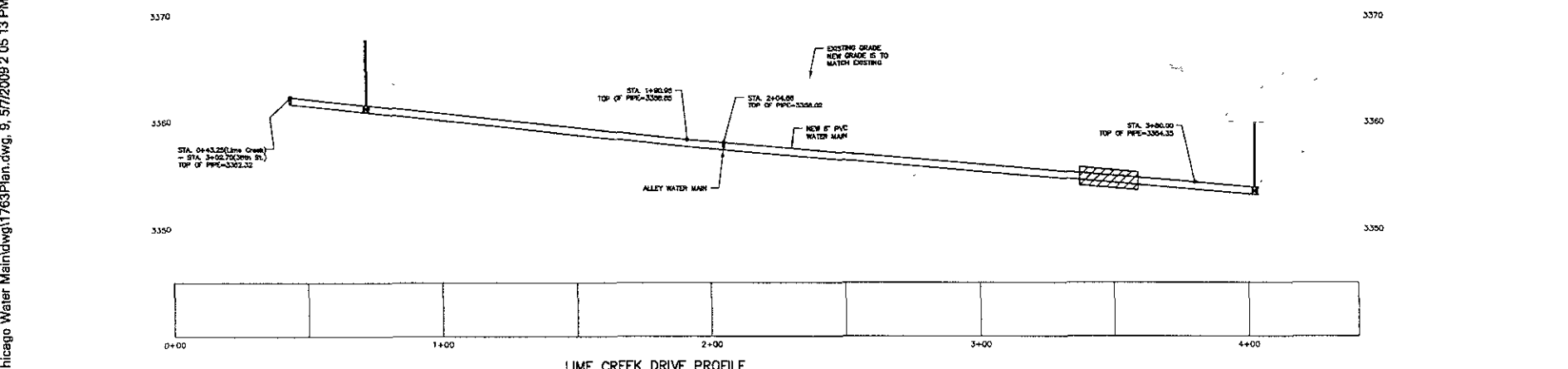
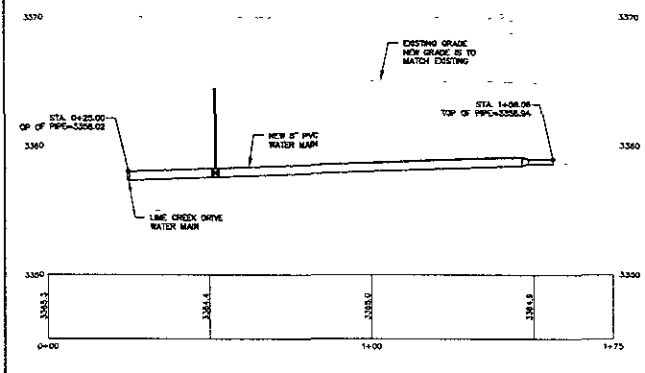
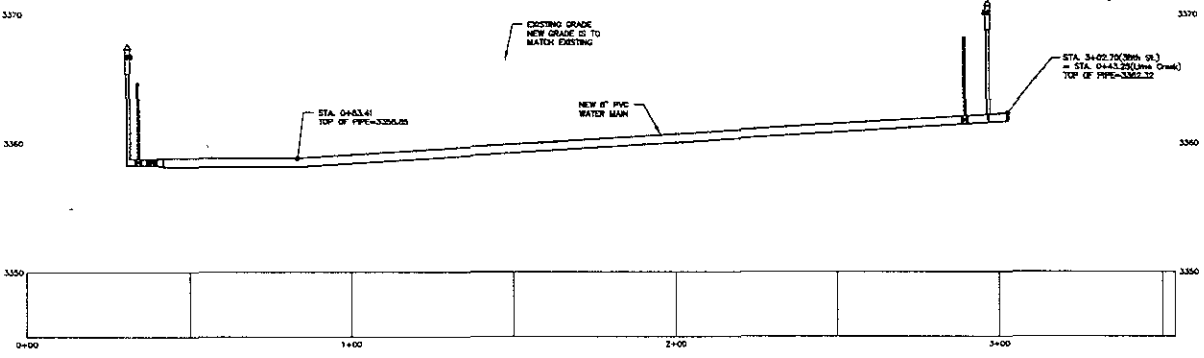


PRELIMINARY  
 NOT FOR  
 CONSTRUCTION

Scale: 1"=20'  
 Transcribed by: CJK/KJS  
 Design Date: MAY 2009  
 Issue Date: MAY 2009  
 Control Job No: 089008  
 Surveyed by: Survey Date:  
 ELMC 1/06-2/02  
 Remarks:

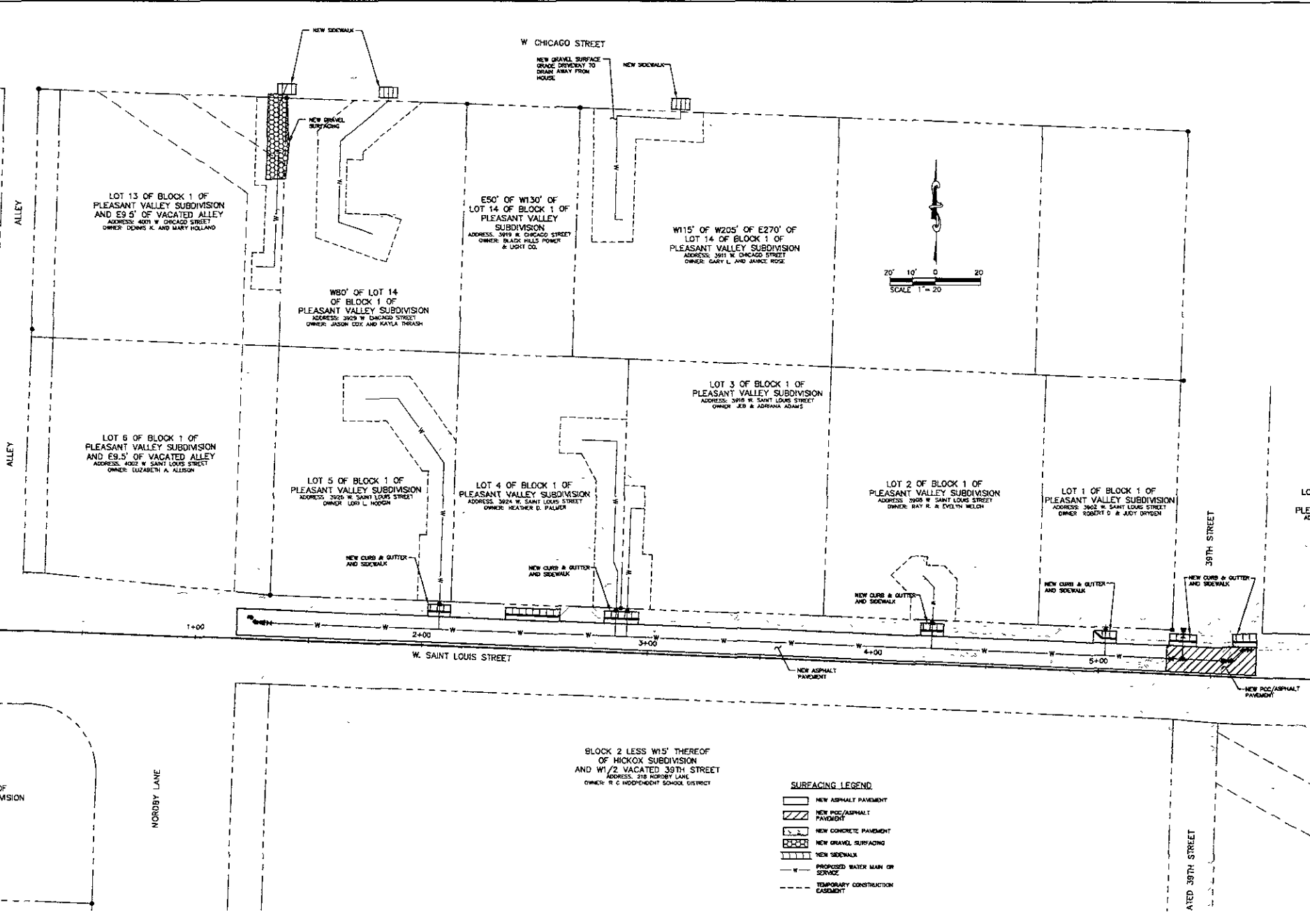
WEST CHICAGO AREA  
 WATER MAIN RECONSTRUCTION


PROFILES



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198 W. Chicago Water Main (17633) Surfacing.dwg, 3, 5/7/2009 2:08:46 PM





Public Works Department  
Engineering Division

**F M G, Inc.**

3700 Bluebell Road  
Riverside, IL 60546  
(630) 848-4100 FAX (630) 342-4822  
www.fmgengineering.com

PRELIMINARY  
NOT FOR  
CONSTRUCTION



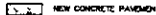




Scale: 1"=20'

Designed By: CCK/KAC/DF  
Design Date: MAY 2009  
Internal Job No: 080508  
Reviewed By: FMC  
Survey Date: 1/09-3/09

LC  
PLE AD

**WEST CHICAGO AREA  
WATER MAIN RECONSTRUCTION**

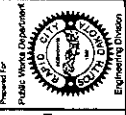
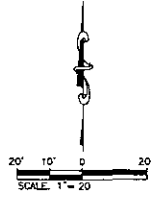
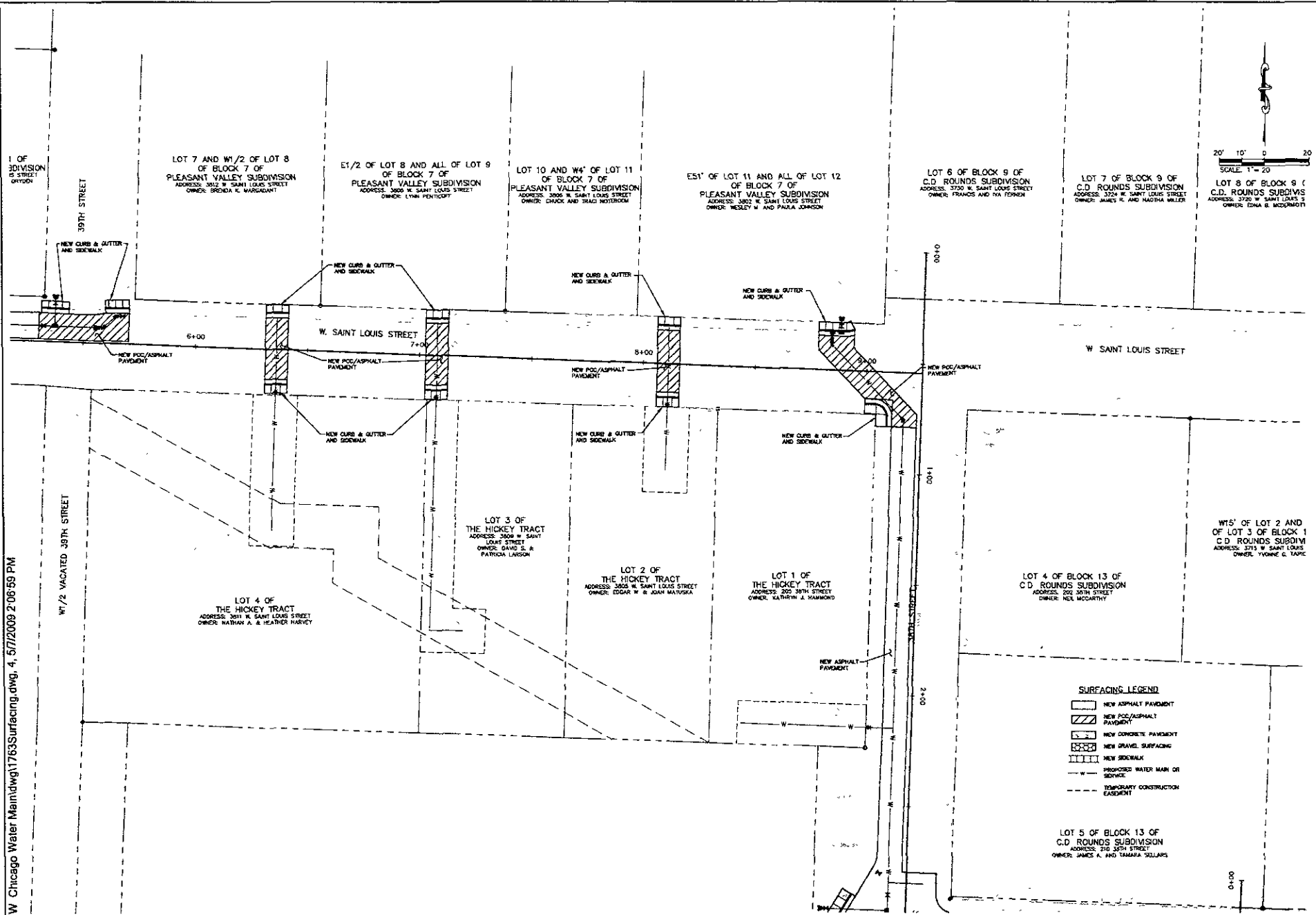
**SURFACING LEGEND**

-  NEW ASPHALT PAVEMENT
-  NEW PCC/ASPHALT PAVEMENT
-  NEW CONCRETE PAVEMENT
-  NEW GRAVEL SURFACING
-  NEW SIDEWALK
-  PROPOSED WATER MAIN OR SERVICE
-  TEMPORARY CONSTRUCTION EXCAVATION

Sheet No. **24** of 31

**SURFACING LAYOUT**

W Chicago Water Main.dwg, 4, 5/7/2009 2:06:59 PM



Prepared for  
**F.M.G., Inc.**  
 8700 Bluebell Road  
 Round Bay, IL 61702-0017  
 (800) 344-4108 FAX (808) 848-4322  
 www.fmg-engineering.com

PRELIMINARY  
 NOT FOR  
 CONSTRUCTION

Scale: 1"=20'

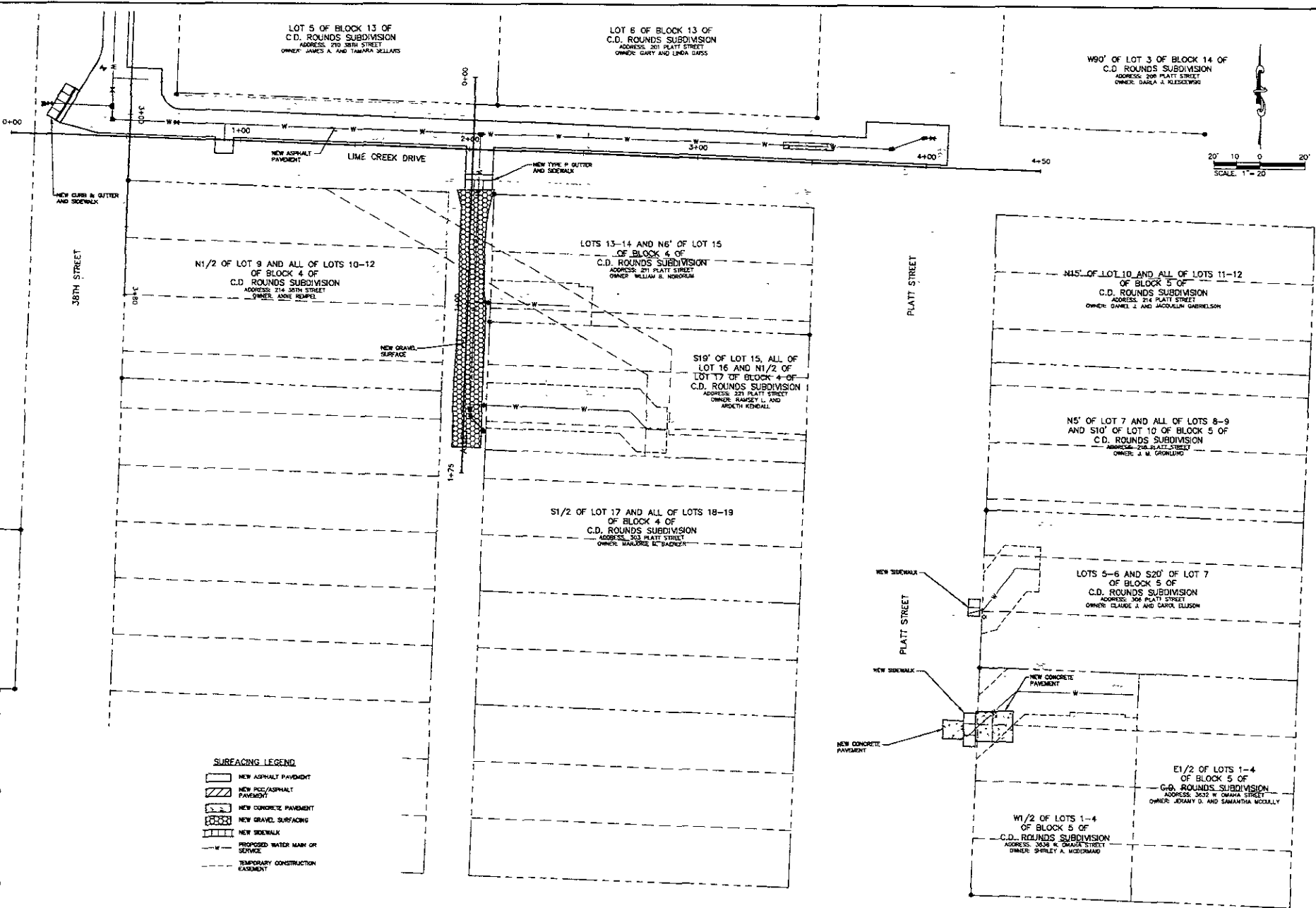
Designed by: GJK/ADF      Drawn by: GJK/KRS  
 Design Date: MAY 2009      Print Date: MAY 2009  
 Project Job No: 050008  
 Surveyed by: GJK      Survey Date: 1/05-3/05  
 Remarks:

WEST CHICAGO AREA  
 WATER MAIN RECONSTRUCTION

Sheet Title:  
 SURFACING LAYOUT

Sheet:  
 25 of 31

W. Chicago Water Main (dwg) 1:763 Surfacing dwg. 5, 5/7/2009 2:07.11 PM



**SURFACING LEGEND**

	NEW ASPHALT PAVEMENT
	NEW PCC/ASPHALT PAVEMENT
	NEW CONCRETE PAVEMENT
	NEW GRAVEL SURFACING
	NEW SIDEWALK
	PROPOSED WATER MAIN OR SERVICE
	TEMPORARY CONSTRUCTION EASEMENT

Public Works Department  
**F.M.G., Inc.**  
 9700 Bluff's Road  
 Rapid City, SD 57702-0317  
 (605) 344-4100 FAX (605) 348-4822  
 www.fmgengineering.com

Project No: \_\_\_\_\_

Drawn By: CAJUNKS

Checked By: \_\_\_\_\_

Design Date: MAY 2008

Print Date: MAY 2008

Internal Job No: 050506

Submitted By: F.M.G.

Survey Date: 10/2-3/08

Revision: \_\_\_\_\_

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**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

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Scale: 1"=20'

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**WEST CHICAGO AREA  
WATER MAIN RECONSTRUCTION**

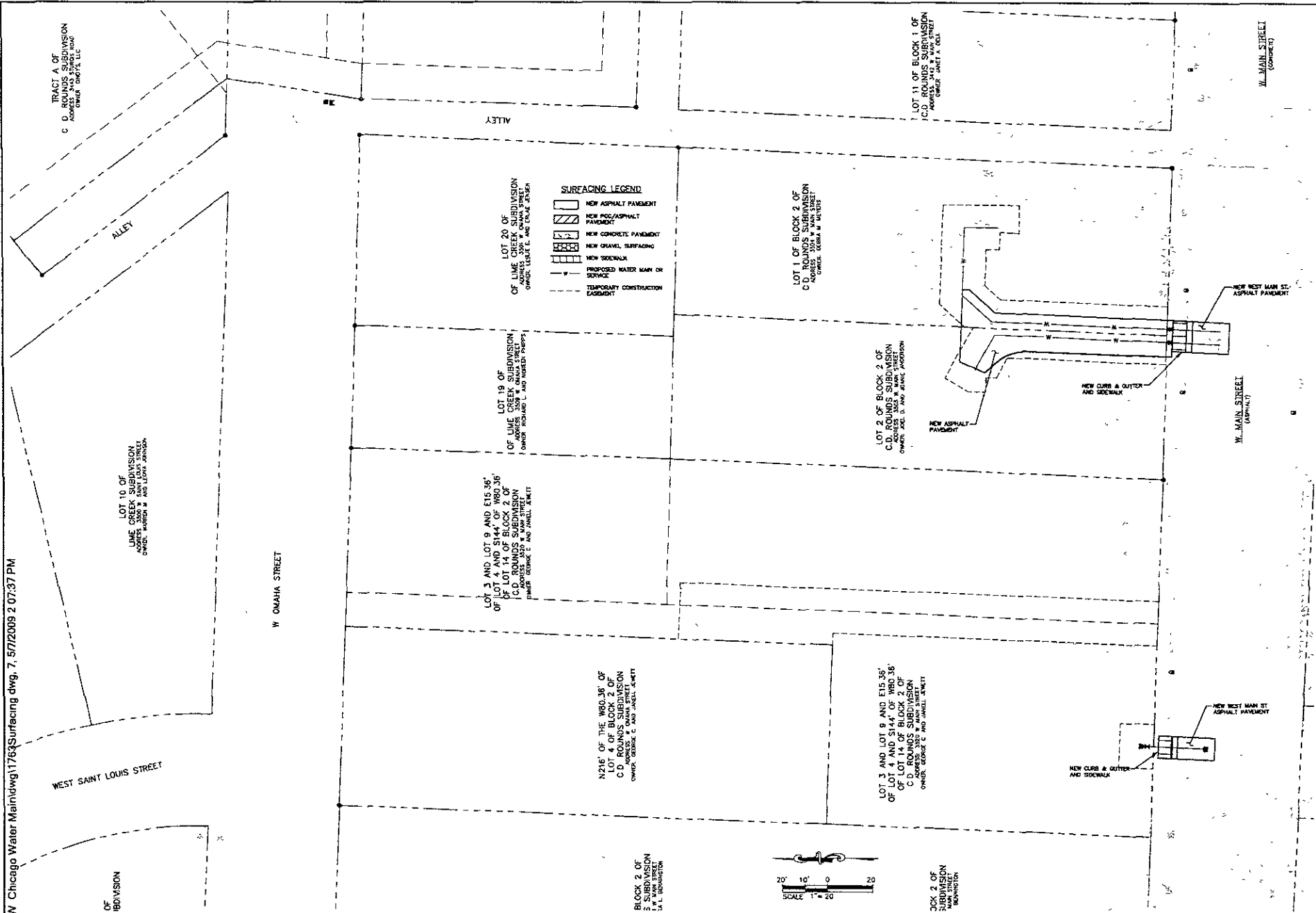
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SURFACING  
LAYOUT

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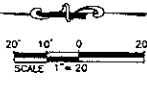
26 of 31





**SURFACING LEGEND**

- [Symbol] NEW ASPHALT PAVEMENT
- [Symbol] NEW PCC/ASPHALT PAVEMENT
- [Symbol] NEW CONCRETE PAVEMENT
- [Symbol] NEW GRAVEL SURFACING
- [Symbol] NEW SIDEWALK
- [Symbol] PROPOSED WATER MAIN OR SERVICE
- [Symbol] TEMPORARY CONSTRUCTION EASEMENT



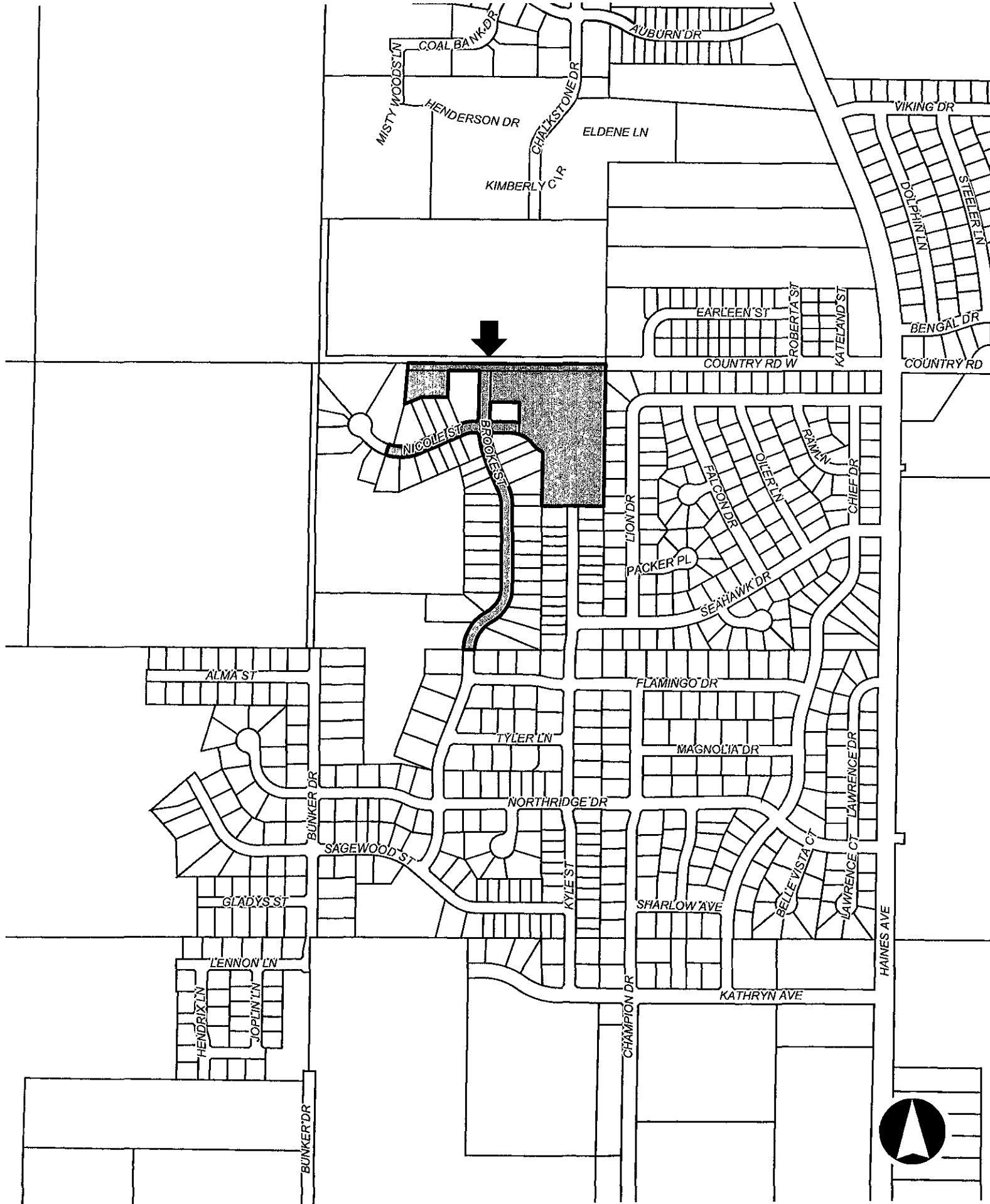
Prepared For:  
**F M G, Inc.**  
 3700 Sturgis Road  
 Rapid City, SD 57702-0317  
 (605) 342-4100 FAX (605) 346-4222  
 www.fmginc.com

**PRELIMINARY  
 NOT FOR  
 CONSTRUCTION**

Scale:	1"=20'
Designed By:	CK/BJC
Checked By:	CK/BJC
Design Date:	MAY 2009
Print Date:	MAY 2009
Prepared And Iss.:	CK/BJC
Surveyed By:	Survey Date:
F.M.G.:	1/05-3/09
Revisions:	

**WEST CHICAGO AREA  
 WATER MAIN RECONSTRUCTION**

09SR046





# CITY OF RAPID CITY

## Engineering Services

300 Sixth Street

Rapid City, SD 57701-2724

Telephone: 605-394-4154 Fax: 605-394-6636

May 14, 2009

To: Growth Management Dept.

From: Todd Peckosh, PE  
Project Engineer

Re: Street Rehabilitation Project – Brooke & Nicole Street  
Project # ST08-1746 / CIP No. 50735

This memo is to provide information on the scope of work proposed under the referenced project.

The proposed Project will reconstruct the pavement in Brooke Street (north of Flamingo Drive) and Nicole Street, and will add inlets at the intersection of Brooke Street and Nicole Street. The existing streets were constructed approximately 8 years ago, and began failing within 3 years of initial construction and are now in very poor condition. Some locations of curb & gutter will be replaced, but in general the existing curb & gutter will remain. Inlets will be installed at the intersection to capture drainage before it crosses the intersection, per Section 4.9 of the Drainage Criteria Manual.

Also attached for your information are the legal descriptions of adjacent properties.

Please let me know if there are any questions or additional information is needed.



EQUAL HOUSING  
OPPORTUNITY

EQUAL OPPORTUNITY EMPLOYER






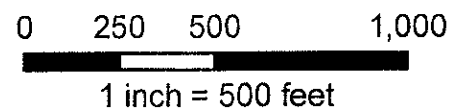
# Exhibit A

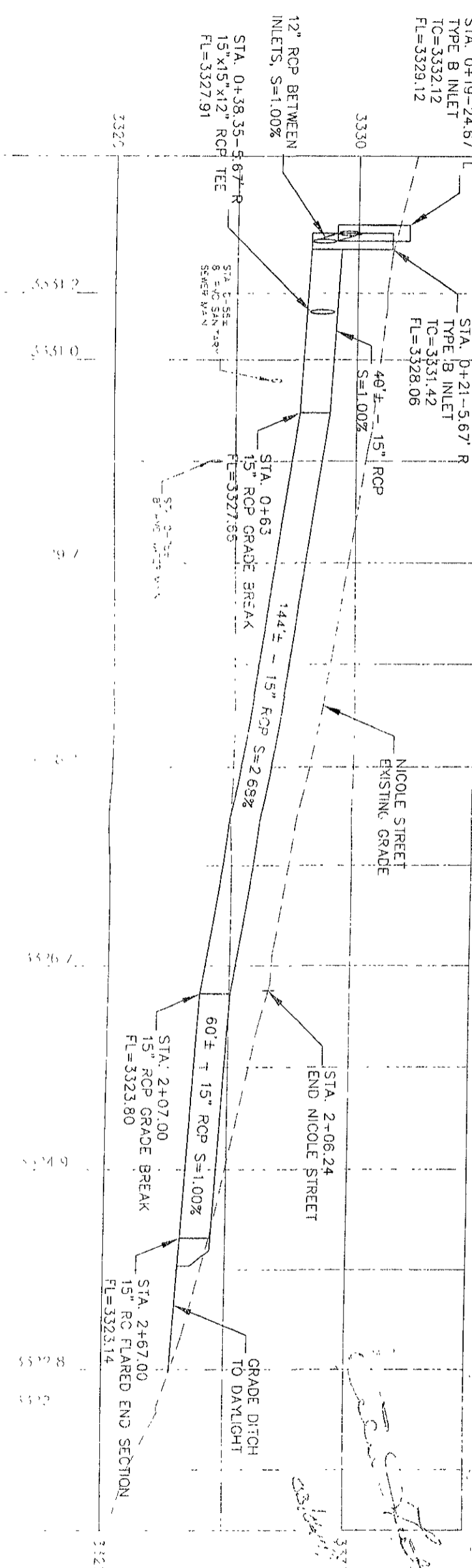
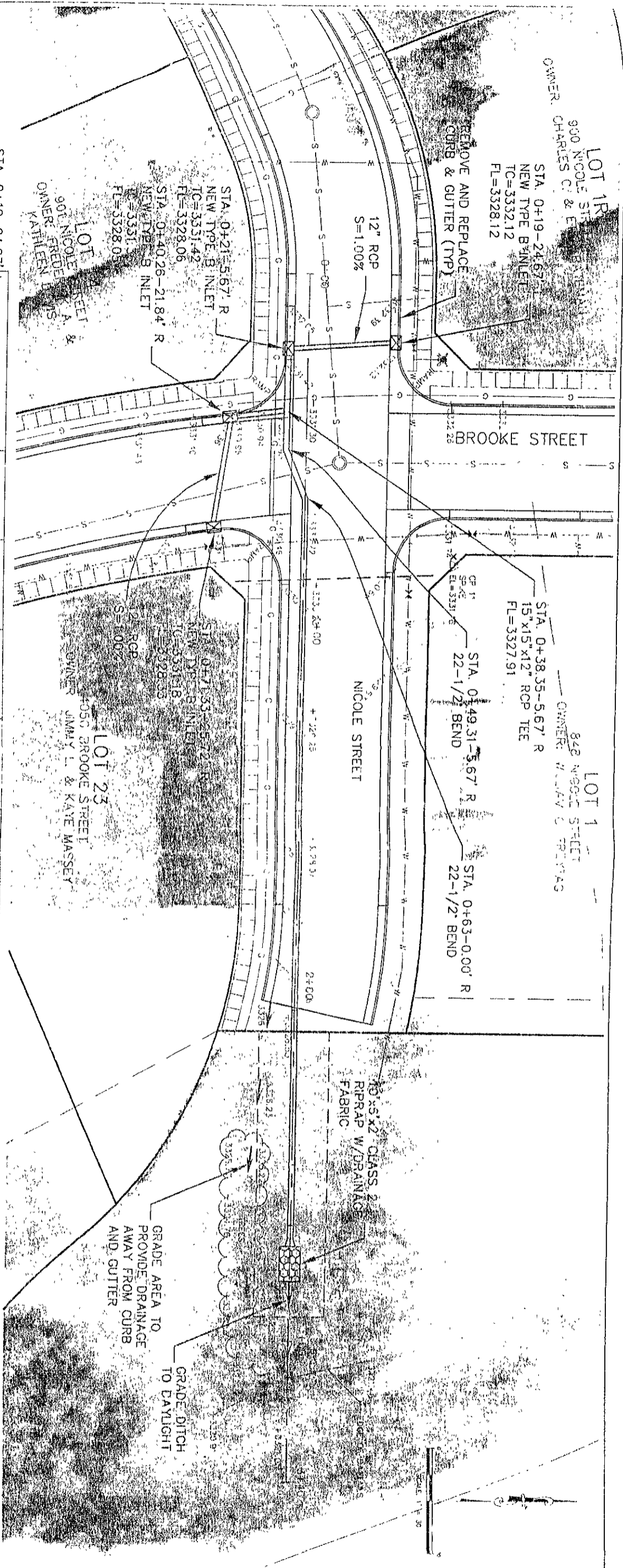


## BROOK & NICOLE ST RECONSTRUCTION ST08-1746, CIP# 50735


### Legend

-  Parcels
-  Rapid City Limits
-  Project Location

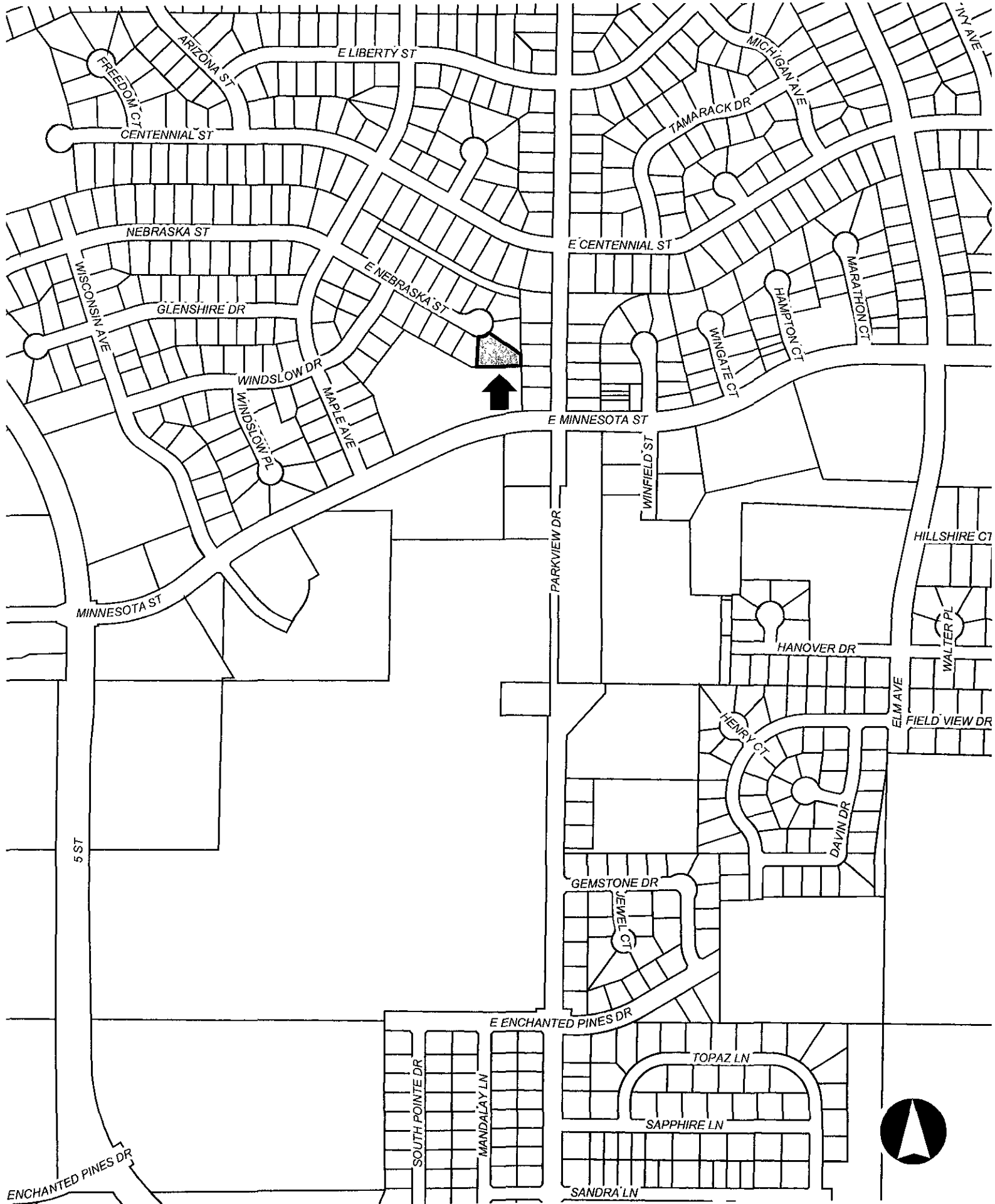




3320 3321 3322 3323

 <b>FMG, Inc.</b> 3700 Sturgis Road Rapid City, SD 57702-0317 (605) 342-4105 FAX (605) 342-4222 www.fmgengineering.com	<b>STREET REHABILITATION PROJECT</b> <b>BROOKE STREET &amp; NICOLE STREET</b> PROJECT NO. ST08-1746 CIP NO. 50735	File Number 8011.08 Location NW 1/4 SECTION 1 T2N R2E S4W Surveyed By KKS Date KKS Designed By KKS Drawn By KKS Checked By ACP	<b>PLAN AND PROFILE</b> Sheet Number 10 of 17
	MARCH 2009	Re-iss. Date Sheet Name	Smart Number

09UR013



My wife and I have a collection of classic cars that we have built up over the past years. We would like to have storage closer to home to store them and keep them in good shape. We have been renting space but the cost is to much since we are now retired. Storage at home would be much cheaper and very handy for work. Rent savings alone would be close to \$1000.00 per mth. Lots of money when your income is down. This storage would be a big help to us.

Thanks you for your consideration.



# Design # 45642



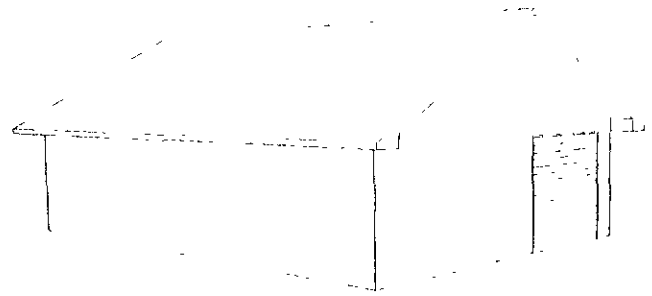
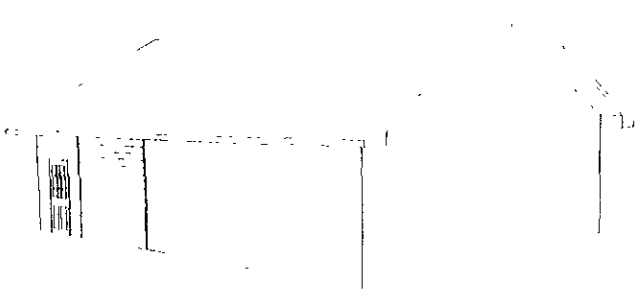
**\*\* Take this sheet to the Building Materials counter to purchase your materials.  
You have selected a Garage with:**

- 30' Wide X 40' Deep X 10' High
- Gable roof w/ 6/12 pitch trusses 2' O.C.
- 2x4 Wall Framing Material
- 24" gable/24" eave overhangs
- 7/16" OSB Wall Sheathing
- Typar Housewrap
- 7/16" OSB Roof Sheathing
- 8" Textured Hardboard Lap Siding
- Preformed Metal Outside Corners
- 35 yr. Biltmore, Weatherwood Shingles
- Slant Back Vent(Metal), Brown
- White Aluminum Soffit & Fascia
- White Premium Roof Edge
- White Vinyl Overhead Door Jamb

- The options you have selected are:
- 15 LB Roof Felt
  - 2 Rows Granular Ice & Water Barrier
  - R-13 Unfaced Wall Insulation
  - 7/16" 4'x8' OSB Wall Liner Panel
  - R-25 Comfort Therm Ceiling Insulation
  - 5/8" 4'x12' Gypsum Ceiling Liner Panel

Front View

Back View



## Today's cost for materials estimated in this design: \$11,215.78

\*(BASE price): \$5,067.57

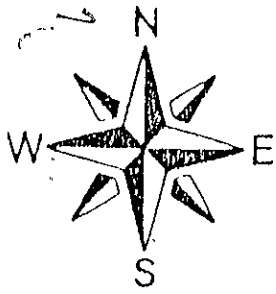
\*\*\*If purchased today, you save: \$224.18\*\*\*

\*\*\*Monthly BIG Card Payment would be: \$314.97\*\*\*

\*The base price includes: 0" Eave/0" Gable Overhangs, Framing Materials, 7/16 OSB Roof Sheathing, 20 yr. Fiberglass Classic - Onyx Black Shingles, Pine Fascia, Galvanized Regular Roof Edge, 8" Textured Vertical Hardboard Siding, No Service Doors, No Overhead Doors, No Windows, or Any Other Options.

All information on this form, other than price, has been provided by guest and Menards is not responsible for any errors in the information on this estimate, including but not limited to quantity, dimension and quality. Please examine this estimate carefully. MENARDS MAKES NO REPRESENTATIONS, ORAL, WRITTEN OR OTHERWISE, THAT THE MATERIALS LISTED ARE SUITABLE FOR ANY PURPOSE BEING CONSIDERED BY THE GUEST. BECAUSE OF THE WIDE VARIATIONS IN CODES, THERE ARE NO REPRESENTATIONS THAT THE MATERIALS LISTED HEREIN MEET YOUR CODE REQUIREMENTS.

100015.1egethott



# HANSON SURVEYING & MAPPING

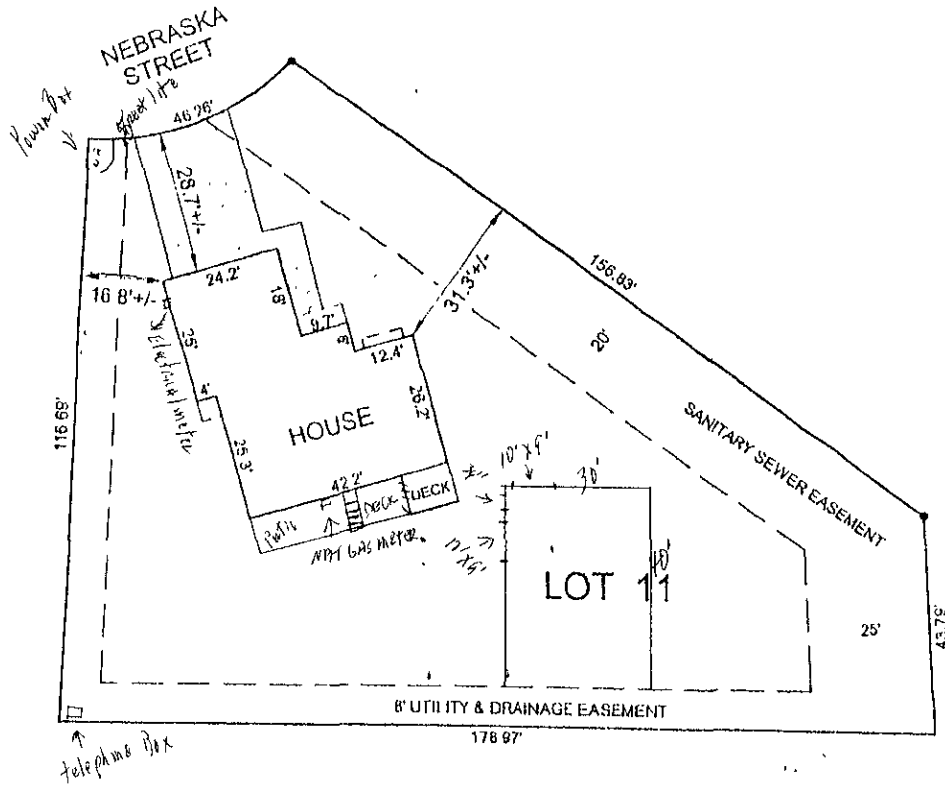
MICHAEL R. HANSON - R.L.S.

832 HORACE MANN DRIVE

RAPID CITY, SD 57701

605-388-1652

SCALE: 1" = 30'



### IMPROVEMENT LOCATION EXHIBIT

The purpose of this exhibit is to provide a representation of the information gathered at the time of the inspection for the interested parties. This exhibit is based on existing but not confirmed boundary evidence and is subject to any inaccuracies that a boundary survey might reveal. No property corners will be set and no warranty is made as to the location of the true boundary of the subject property is extended herein to the present owners or occupants.

### LEGAL DESCRIPTION

LOT 11 IN BLOCK 3 OF ROBBINS ADDITION #10  
RAPID CITY, PENNINGTON COUNTY SOUTH DAKOTA

235 E. NEBRASKA STREET - LUTJENS

Project # 02.281

Surveyed by: M. R. H.

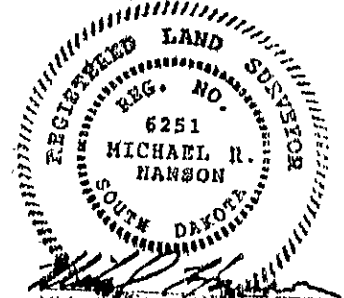
Date: 9/23/02

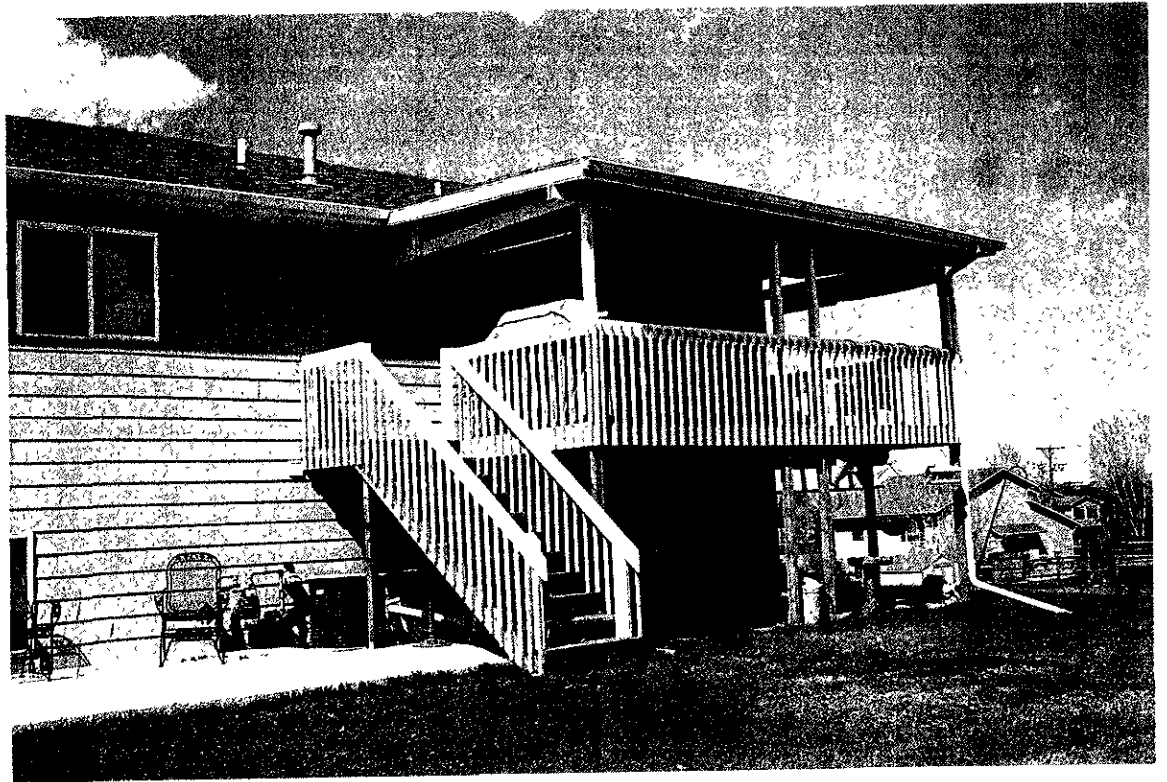
Drafted by: M. R. H.

Title Work  WAS  WAS NOT provided at time of survey order.

### SURVEYOR'S CERTIFICATE

I, the undersigned, do hereby certify that I have surveyed the above described property and that the information shown hereon is an accurate representation of the information gathered at the time of the inspection of the subject property

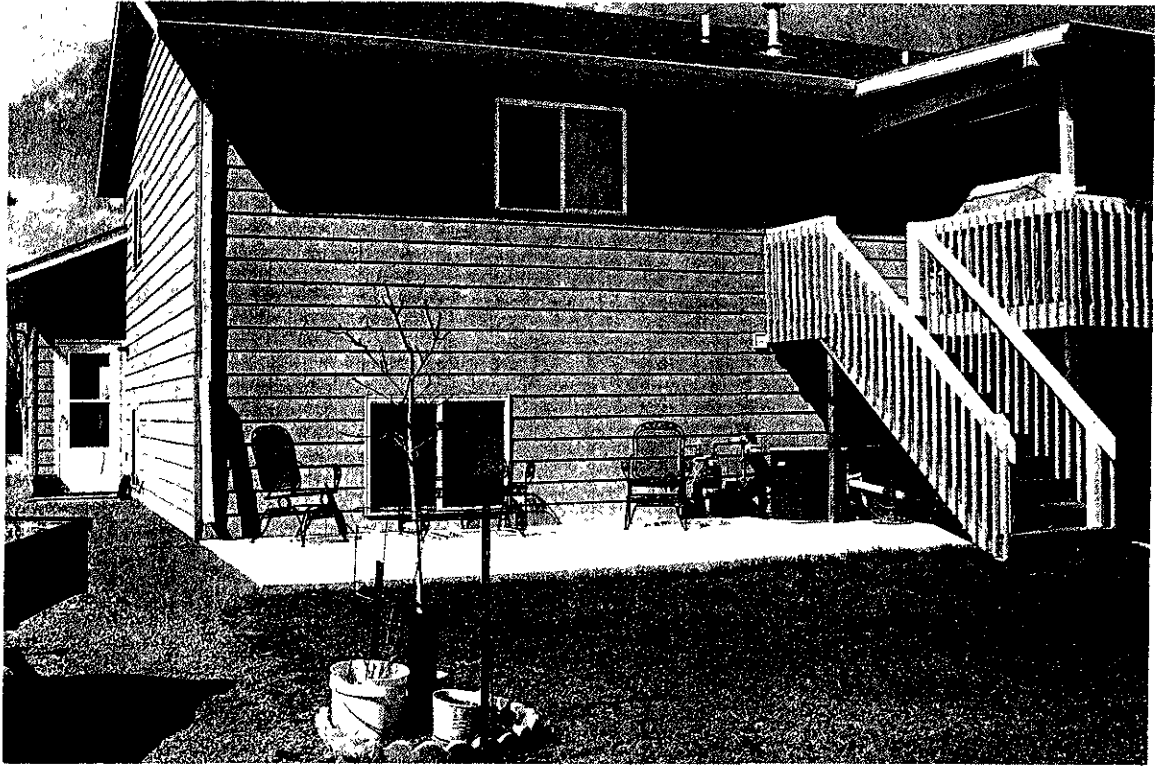






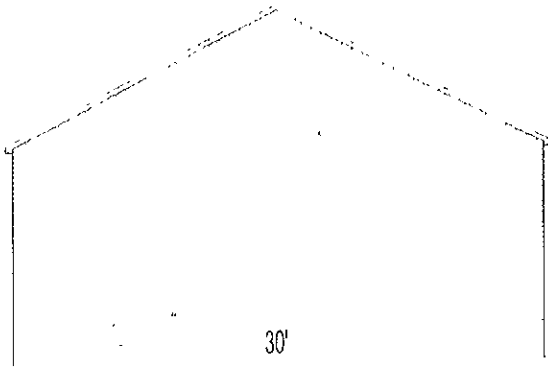




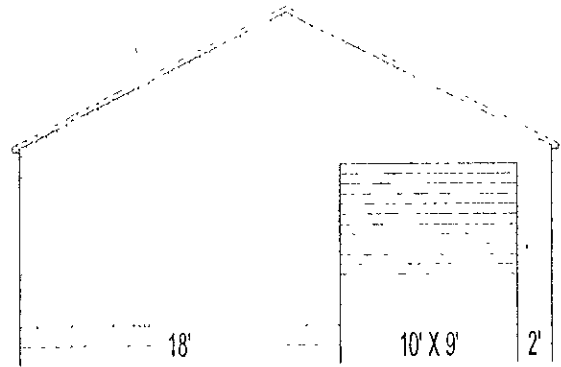


**\*\* Here are the wall configurations for your design.**

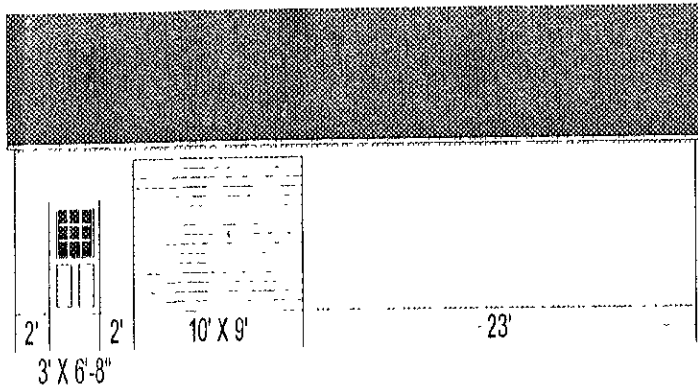
Illustration May Not Depict All Options Selected



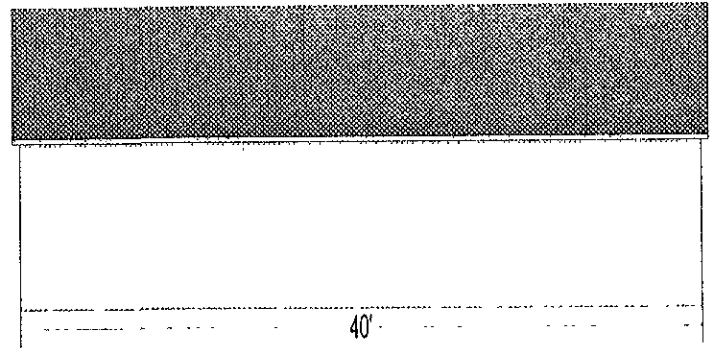
Gable Front View



Gable Back View



Eave Front View



Eave Back View

Menards provided material estimates are intended as a general construction aid and have been calculated using typical construction methods. Because of the wide variable in codes and site restrictions, all final plans and material lists must be verified with your local zoning office, architect and/or builder for building design and code compliance. Menards is a supplier of construction materials and does not assume liability for design, engineering or the completeness of any material lists provided. Underground electrical, phone and gas lines should be located and marked before your building plans are finalized. Remember to use safety equipment including dust masks and sight and hearing protection during construction to ensure a positive building experience.