

APPLICATION FOR OCCUPANCY
RIGHT-OF-WAY OF COUNTY HIGHWAYS

Email: highway@brookingscountysd.gov
Fax: 605-696-8278

To: The Board of County Commissioners Brookings County, South Dakota.

Application is made by Christina Weimer, Mayor for occupancy of Right-of-Way

ADDRESS OF PROPOSED CONSTRUCTION

City/Township Name: Elkton (T109N R47W), Section: 20 Quarter Section: NE NW SE SW

Street/Avenue of Construction: Cornell Avenue/486th Avenue, Nearest Intersection: Cornell/1st to Cornell/4th

Distance from nearest intersection: Construction goes through intersection North South East West

A sketch showing the location must be attached.

The following information is pertinent to the proposed installation:

1. Intended usage Municipal water distribution and wastewater collection piping
2. Cable Type PVC
3. Outside Diameter or Pipe Size Water main= 6" Wastewater pipe = 8"
4. Method of Installation Open trench installation
5. Crossing Bituminous Roads Cornell/1st to Cornell/4th

*This installation will comply with the National Safety Code and all Federal Guidelines.

*Warning signs will be installed where appropriate.

*Ditches will be restored back to present condition.

*Owner will move its buried cable or pipe, in case of road construction, at no cost to the County.

*Prior to any road construction or maintenance within the County, the owner shall call South Dakota One-Call at 1-800-781-7474 for location of the facilities.

Signature of Applicant: _____ Date: _____

Applicant Address: PO Box 308 Elkton, SD 57026

Phone: 605-542-5411 Fax: 605-542-8141

I Approve of this Application:

Signature of Adjacent Landowner: _____ Date: _____

(Owns property immediately adjacent to the public right-of-way that is affected by the Applicant's proposed installation)

Adjacent Landowner Address: _____

Phone: _____ Fax: _____

Recommended for Approval:

By: _____ Date: _____
(Brookings County Superintendent)

Approved: Board of County Commissioners

By: _____ Date: _____
(Commission Chairman)



REMOVALS

Mill & Salvage Asphalt Surfacing and Granular Base		
Station	Offset	Area (SqYd)
24+14 to 27+89	14' L to 11' R	983
27+89 to 28+53	24' L to 30' R	336

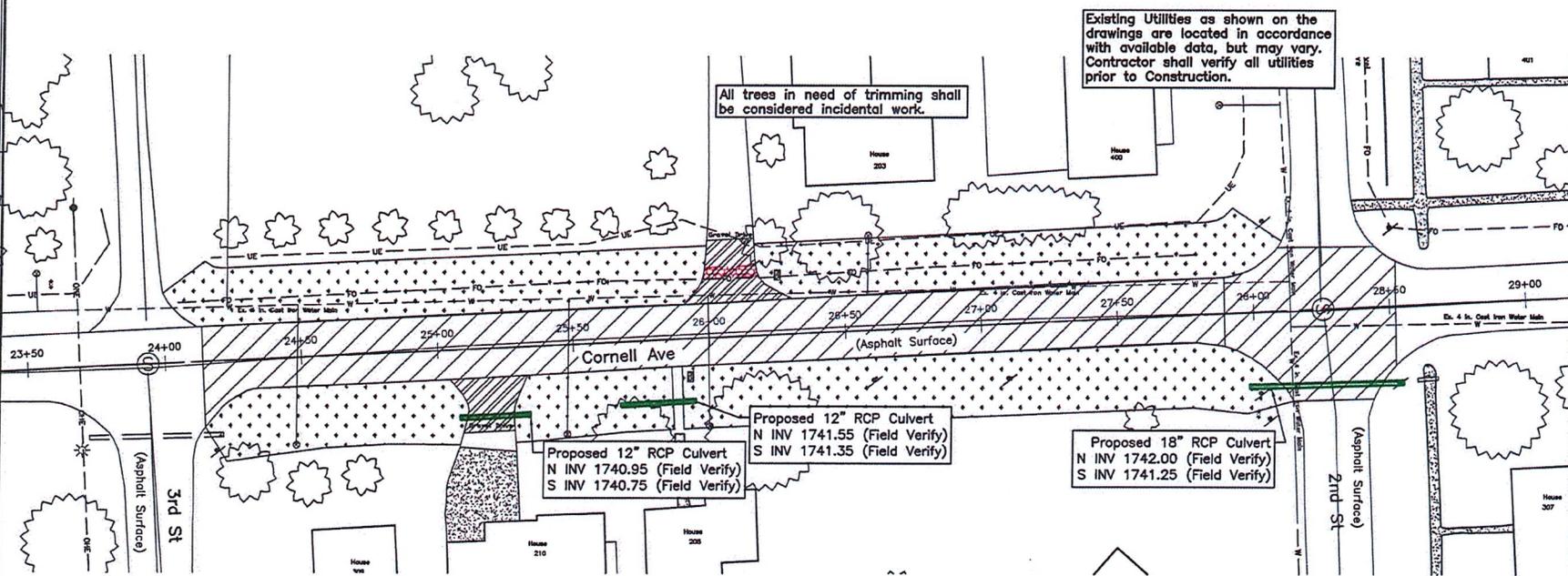
Remove and Dispose of Culvert		
Station	Offset	Length (LF)
25+08 to 25+34	25' to 26' R	26
25+67 to 25+95	23' to 24' R	28
27+98 to 28+55	27' to 29' R	57

Remove Replace Gravel Surfacing 3" Depth Minimum (Match Existing)		
Station	Offset	Area (SqYd)
25+05 to 25+33	12' to 31' L	45
25+91 to 26+31	13' to 36' R	59

Remove, Salvage, & Reset Mailbox with New Post		
Station	Offset	Quantity (Ea)
25+93	R	1
26+26	L	1

Remove, Salvage, & Reset Sign		
Station	Offset	Quantity (Ea)
26+60	R	1
27+09	R	1
28+01	R	1

Tree Removal		
Station	Offset	Quantity (Ea)
24+26	L	1



4" Asphalt Surfacing with 8" Granular Base with Geotextile Fabric		
Station	Offset	Area (SqYd)
24+14 to 27+89	14' L to 11' R	983
27+89 to 28+53	24' L to 30' R	336

4" Wide Concrete Valley Gutter		
Station	Offset	Area (SqYd)
25+98 to 26+19	22' to 26' R	9

Seed, Fertilize, and Mulch		
Length (Ft)	Width (Ft)	Area (SqYd)
938	23	1833

Install 12" RCP Culvert		
Station	Offset	Length (LF)
25+08 to 25+34	25' to 26' R	26
25+67 to 25+95	23' to 24' R	28

Install 18" RCP Culvert		
Station	Offset	Length (LF)
27+98 to 28+55	27' to 29' R	57

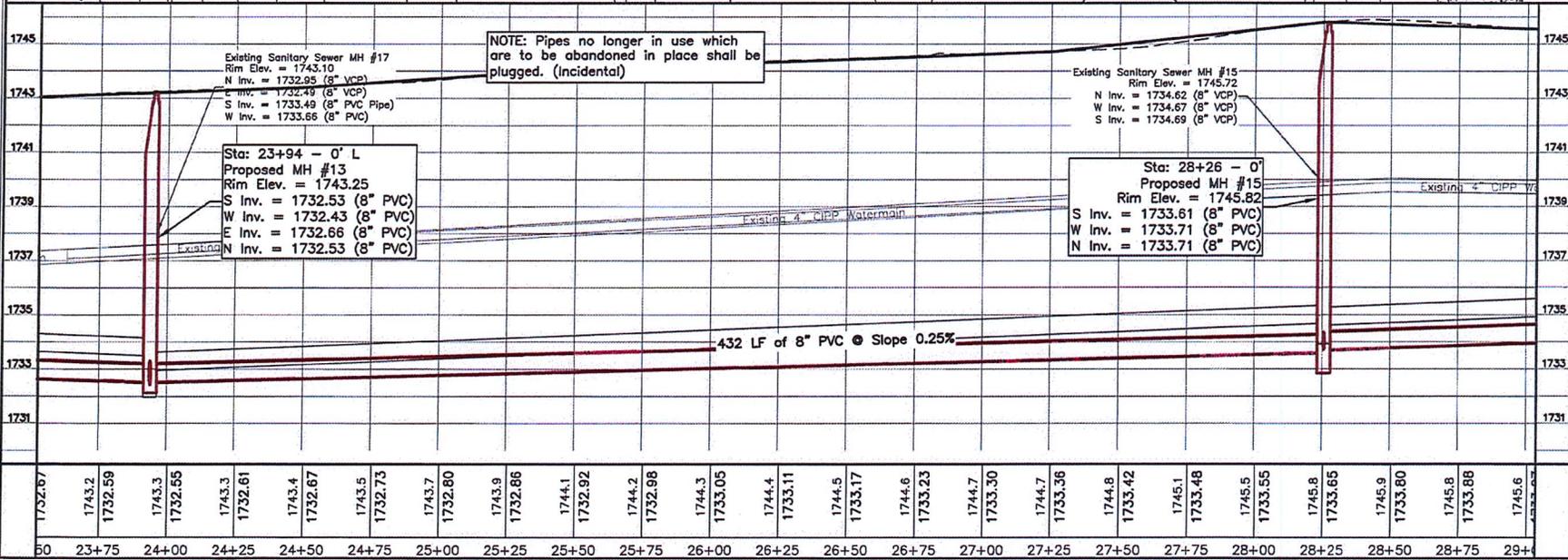
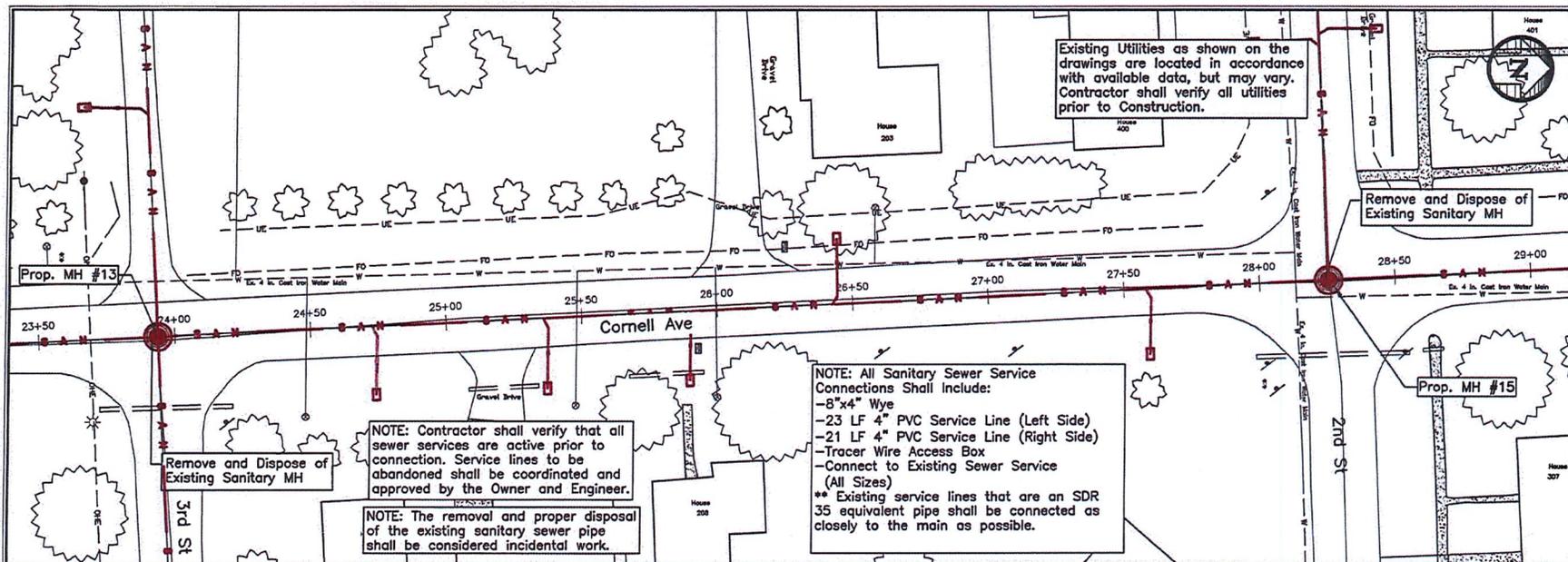
Plan Horiz. Scale:	1" = 40'
Drawn By:	MED
Checked By:	**
Date:	1/16/2020
Project No.:	15244
File Name:	**

Project Name:
Utility Improvements Phase I

Located in:
Elkton, South Dakota

Sheet Name:
Cornell Ave Removals and Installs

Sheet Number:	Total Sheets:
6	119



Plan Horiz. Scale:	1" = 40'
Plan Vert. Scale:	1" = 4'
Drawn By:	MED
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Project Name:
Utility Improvements Phase I

Located in:
Elkton, South Dakota

Sheet Name: Cornell Ave Sanitary Sewer	
Sheet Number:	Total Sheets:
8	119

1732.67	1743.2	1732.59	1743.3	1732.65	1743.3	1732.61	1743.4	1732.67	1743.5	1732.75	1743.7	1732.80	1743.9	1732.86	1744.1	1732.92	1744.2	1732.98	1744.3	1733.05	1744.4	1733.11	1744.5	1733.17	1744.6	1733.23	1744.7	1733.30	1744.7	1733.36	1744.8	1733.42	1745.1	1733.48	1745.5	1733.55	1745.8	1733.65	1745.9	1733.80	1745.8	1733.86	1745.6
50	23+75	24+00	24+25	24+50	24+75	25+00	25+25	25+50	25+75	26+00	26+25	26+50	26+75	27+00	27+25	27+50	27+75	28+00	28+25	28+50	28+75	29+00																					

Existing Utilities as shown on the drawings are located in accordance with available data, but may vary. Contractor shall verify all utilities prior to construction.

Sta. 23+69 - 21' Lt
 -Connect to Existing 6" PVC Water Main
 Sta. 23+78 - 21' Lt
 Furnish and Install
 -6" Gate Valve w/ Box

Sta. 23+69 to 28+53 - 21' Lt to 14' Rt
 Furnish and Install
 -499 LF of 6" PVC Water Main
 Sta. 28+14 - 24' Lt to 33' Rt
 Furnish and Install
 -58 LF of 6" PVC Water Main

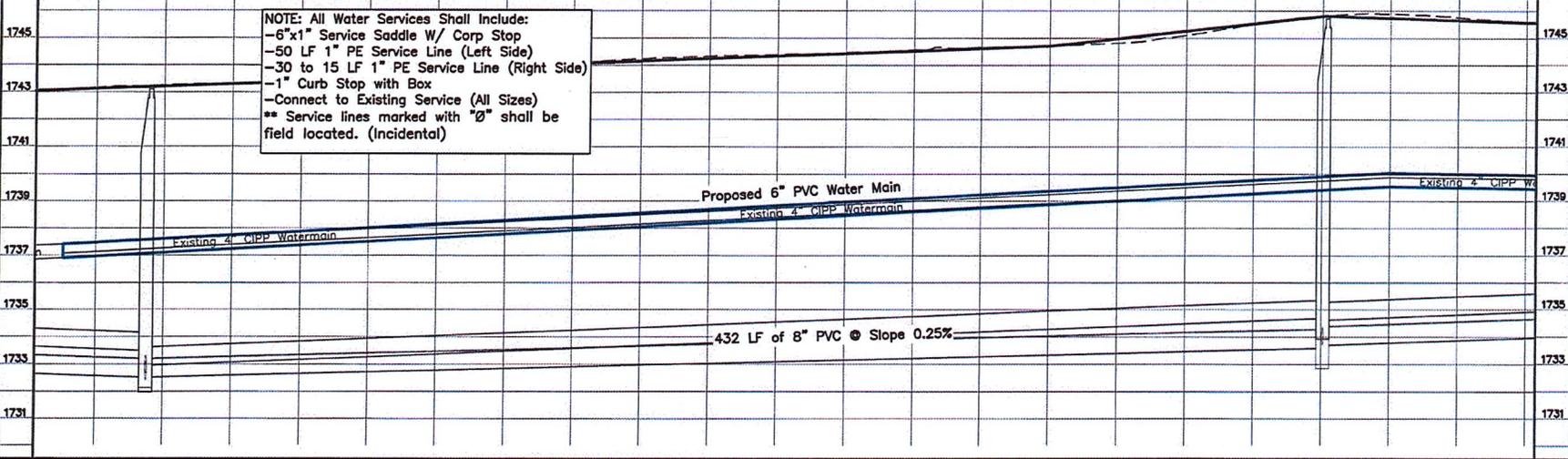
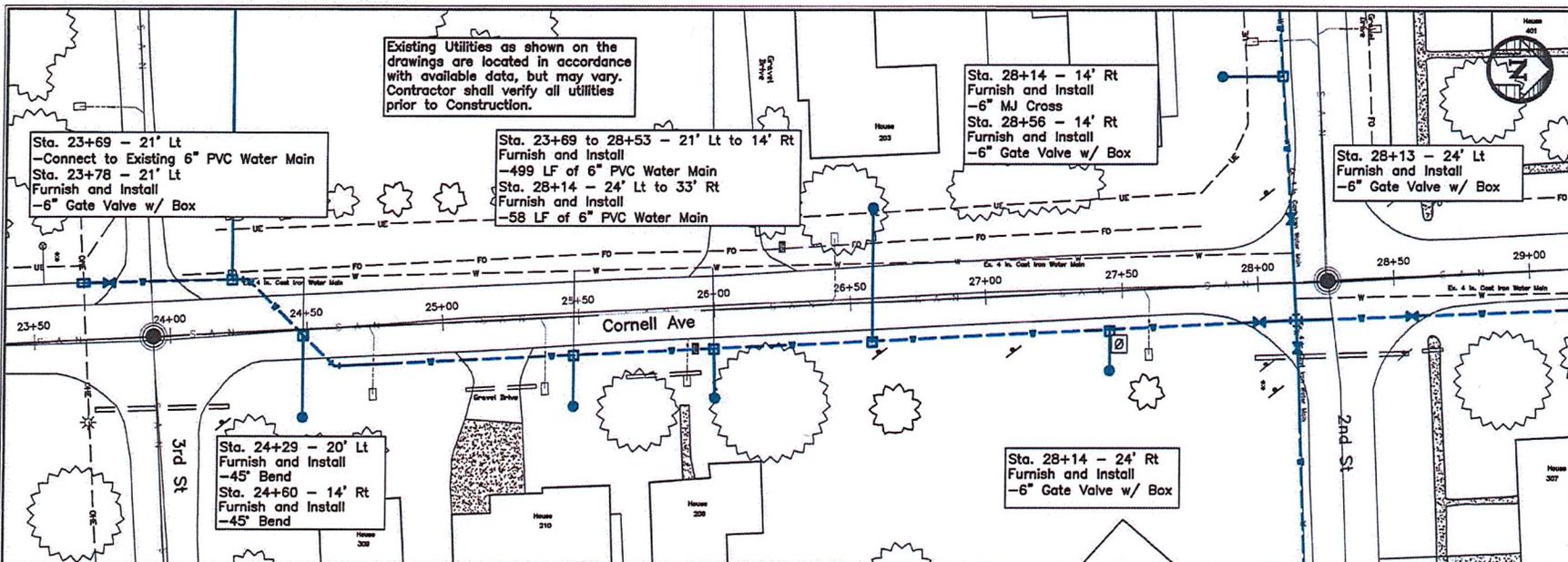
Sta. 28+14 - 14' Rt
 Furnish and Install
 -6" MJ Cross
 Sta. 28+56 - 14' Rt
 Furnish and Install
 -6" Gate Valve w/ Box

Sta. 28+13 - 24' Lt
 Furnish and Install
 -6" Gate Valve w/ Box

Sta. 24+29 - 20' Lt
 Furnish and Install
 -45" Bend
 Sta. 24+60 - 14' Rt
 Furnish and Install
 -45" Bend

Sta. 28+14 - 24' Rt
 Furnish and Install
 -6" Gate Valve w/ Box

NOTE: All Water Services Shall Include:
 -6"x1" Service Saddle w/ Corp Stop
 -50 LF 1" PE Service Line (Left Side)
 -30 to 15 LF 1" PE Service Line (Right Side)
 -1" Curb Stop with Box
 -Connect to Existing Service (All Sizes)
 ** Service lines marked with "Ø" shall be field located. (Incidental)



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Plan Vert. Scale:	1" = 4'
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Project Name:
Utility Improvements Phase I

Located in:
Elkton, South Dakota

Sheet Name:
Cornell Ave Water

1743.2	1736.98	1743.3	1737.12	1743.3	1737.25	1743.4	1737.39	1743.5	1737.52	1743.7	1737.66	1743.9	1737.79	1744.1	1737.93	1744.2	1738.06	1744.3	1738.20	1744.4	1738.33	1744.5	1738.47	1744.6	1738.60	1744.7	1738.74	1744.7	1738.87	1744.8	1739.01	1745.1	1739.15	1745.5	1739.28	1745.8	1739.42	1745.9	1739.55	1745.8	1739.51	1745.6	
50	23+75	24+00	24+25	24+50	24+75	25+00	25+25	25+50	25+75	26+00	26+25	26+50	26+75	27+00	27+25	27+50	27+75	28+00	28+25	28+50	28+75	29+																					

Sheet Number:	Total Sheets:
9	119

REMOVALS

Mill & Salvage Asphalt Surfacing and Granular Base		
Station	Offset	Area (SqYd)
28+52 to 32+27	14' L to 12' R	1009
32+27 to 32+78	31' L to 31' R	283

Remove and Dispose of Concrete Sidewalk		
Station	Offset	Area (SqYd)
28+62 to 28+66	21' to 35' L	4
28+62 to 28+65	13' to 33' R	8

Remove and Dispose of Culvert		
Station	Offset	Length (LF)
28+59 to 28+67	27' to 29' R	8
30+59 to 30+76	24' to 25' R	17
32+38 to 32+80	25' to 27' R	43
32+38 to 32+79	25' to 26' L	40

Remove and Replace Gravel Surfacing 3' Depth Minimum (Match Existing)		
Station	Offset	Area (SqYd)
30+25 to 30+57	14' to 37' L	48
30+54 to 30+79	11' to 30' R	31

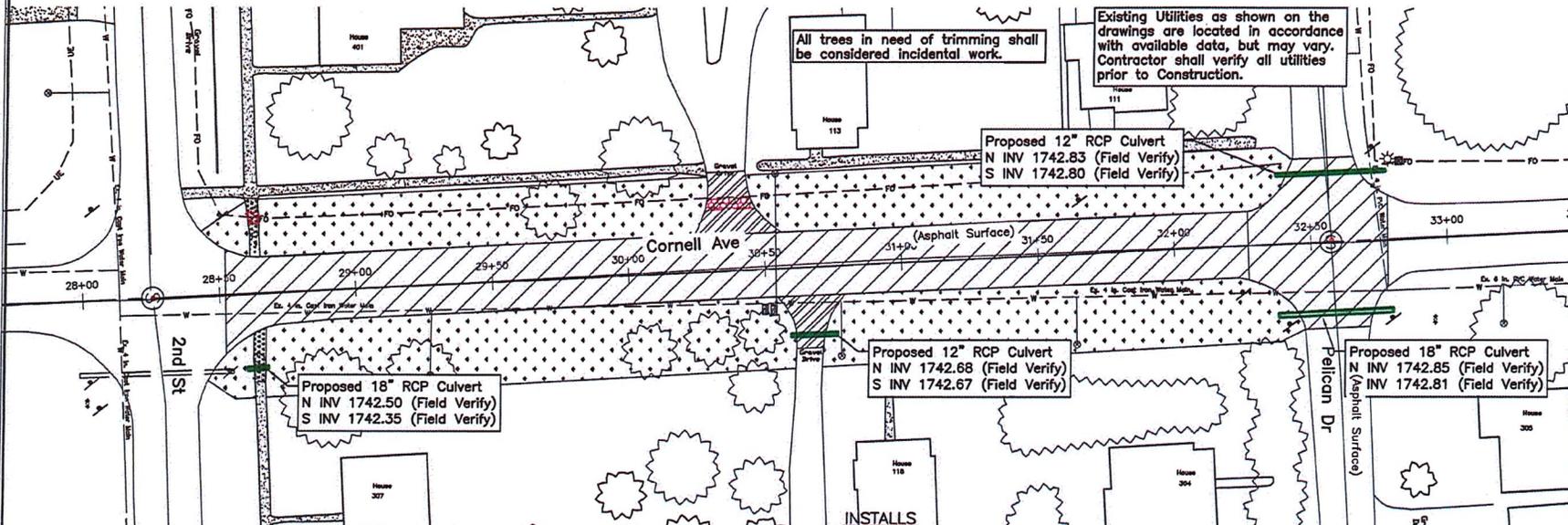
Remove, Salvage, & Reset Mailbox with New Post		
Station	Offset	Quantity (Ea)
30+49	L	1
30+52	L	1

Remove, Salvage, & Reset Sign		
Station	Offset	Quantity (Ea)
28+52	R	1
31+65	L	1
32+24	R	1
32+33	L	1
32+41	R	1



SPN
& Associates

Engineers - Planners - Surveyors
2100 North Sanborn Boulevard - P.O. Box 398
Mitchell, South Dakota - Zip 57501-0398
Phone: (605) 996-7761 - Fax: (605) 996-0015



Existing Utilities as shown on the drawings are located in accordance with available data, but may vary. Contractor shall verify all utilities prior to construction.

All trees in need of trimming shall be considered incidental work.

4" Asphalt Surfacing with 8" Granular Base with Geotextile Fabric		
Station	Offset	Area (SqYd)
28+52 to 32+27	14' L to 12' R	1009
32+27 to 32+78	31' L to 31' R	283

Install 12" RCP Culvert		
Station	Offset	Length (LF)
30+59 to 30+76	24' to 25' R	17
32+38 to 32+79	25' to 26' L	40

4' Wide Concrete Valley Gutter		
Station	Offset	Area (SqYd)
28+62 to 28+65	26' to 30' L	1
30+29 to 30+47	23' to 27' L	8

Install 18" RCP Culvert		
Station	Offset	Length (LF)
28+59 to 28+67	27' to 29' R	8
32+38 to 32+80	25' to 27' R	43

4" Concrete Sidewalk		
Station	Offset	Area (SqFt)
28+62 to 28+66	14' to 33' L	82
28+62 to 28+65	13' to 33' R	82

See, Fertilize, and Mulch		
Length (Ft)	Width (Ft)	Area (SqYd)
402	27	1941

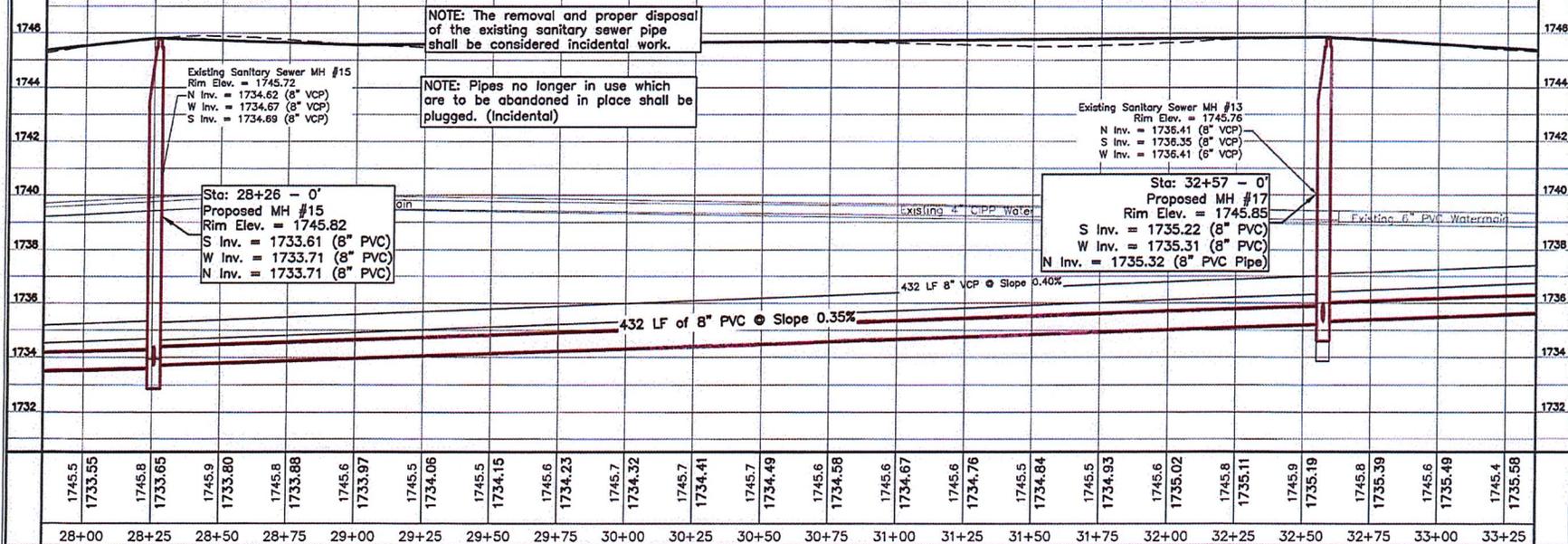
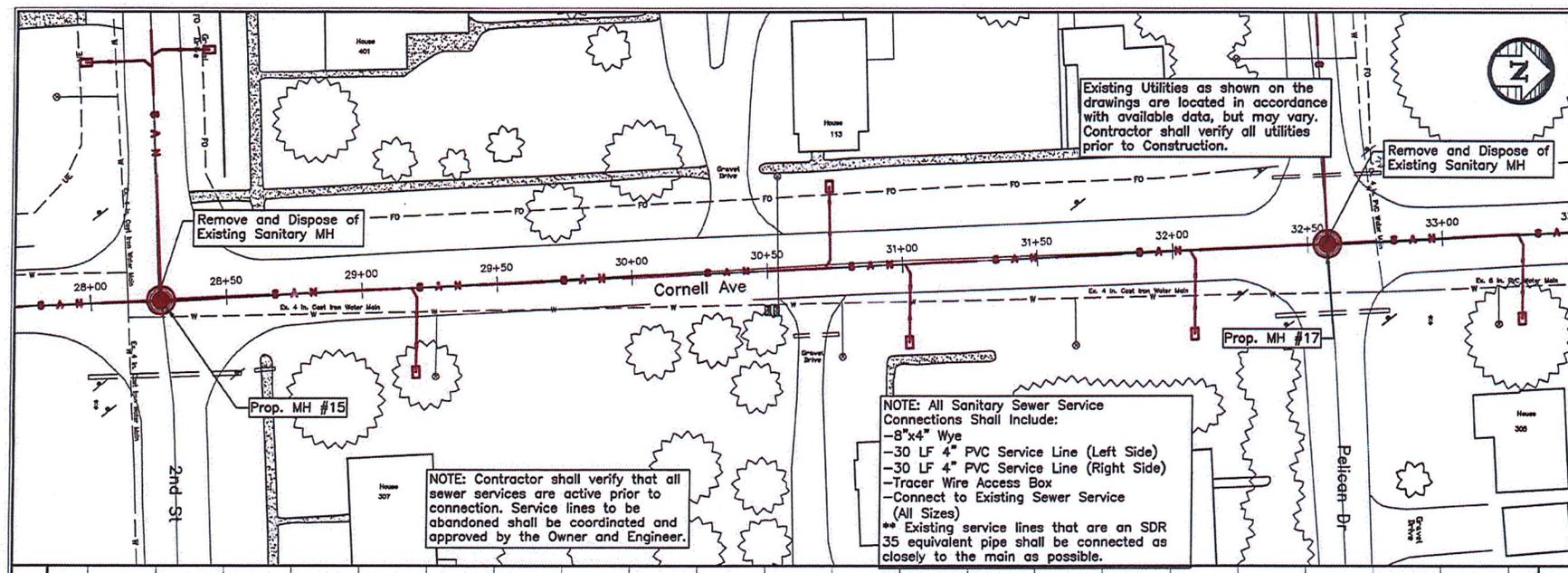
Plan Horiz. Scale:	1" = 40'
Drawn By:	MED
Checked By:	**
Date:	1/16/2020
Project No.:	15244
File Name:	**

Project Name:
Utility Improvements Phase I

Located in:
Elkton, South Dakota

Sheet Name:
Cornell Ave Removals and Installs

Sheet Number:	Total Sheets:
10	119



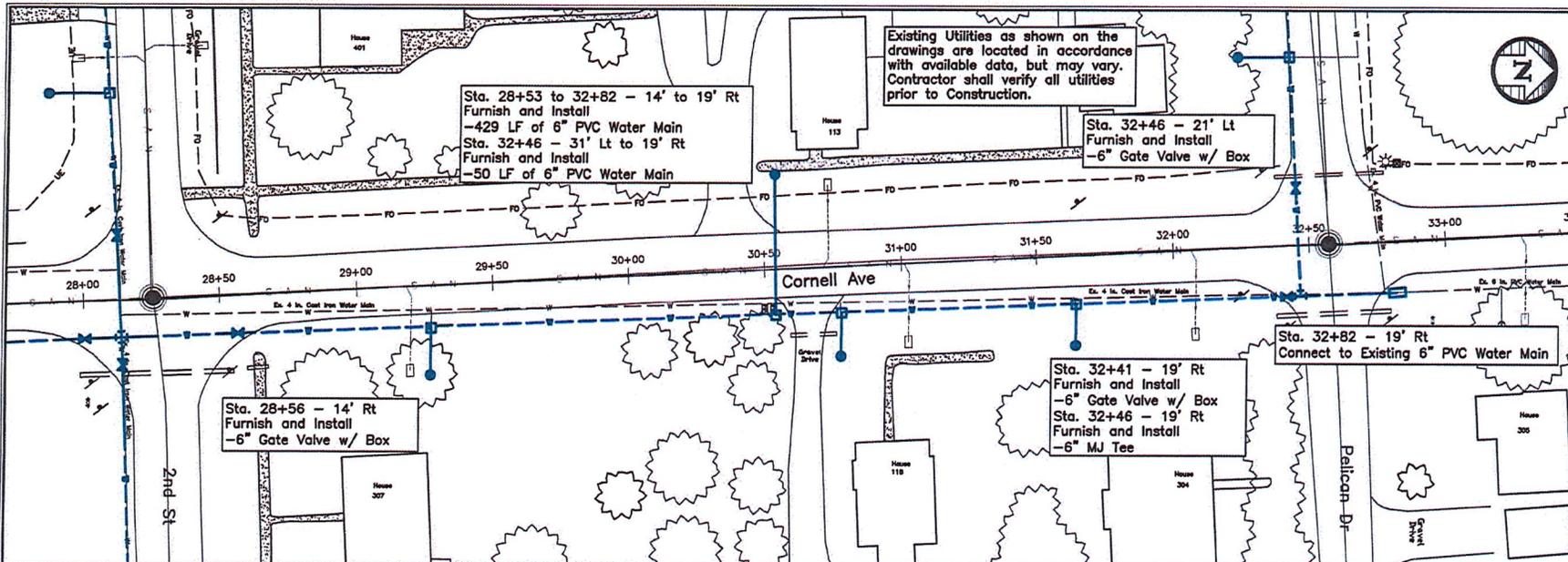
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Cornell Ave Sanitary Sewer

Sheet Number:	Total Sheets:
12	119



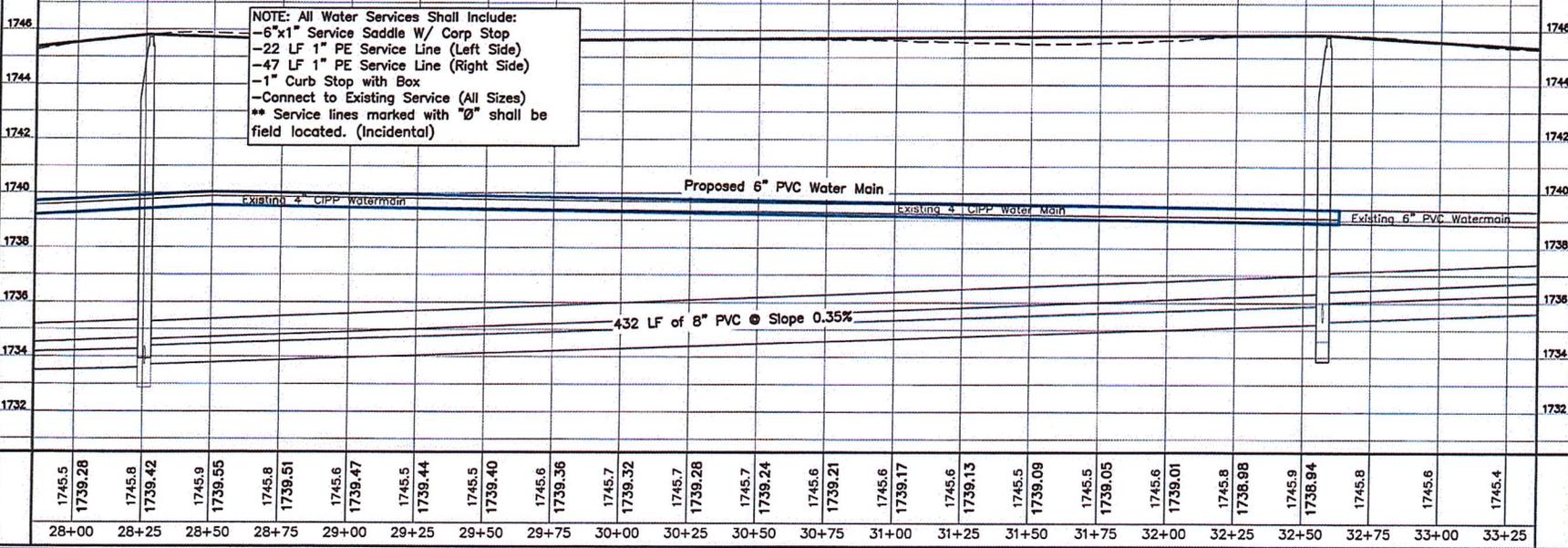
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NOTE: All Water Services Shall Include:
-6"x1" Service Saddle W/ Corp Stop
-22 LF 1" PE Service Line (Left Side)
-47 LF 1" PE Service Line (Right Side)
-1" Curb Stop with Box
-Connect to Existing Service (All Sizes)
** Service lines marked with "Ø" shall be field located. (Incidental)



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Plan Vert. Scale: 1" = 4'
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Checked By: **
Date: 1/16/2020
Project No.: 15244
File Name: **

Project Name:
Utility Improvements Phase I
Located in:
Elkton, South Dakota

Sheet Name:
Cornell Ave Water

Sheet Number: **13** Total Sheets: **119**

REMOVALS

Station	Offset	Area (SqYd)
32+78 to 36+58	12' L to 12' R	1015

Station	Offset	Area (SqYd)
35+41 to 35+66	11' to 37' L	55

Station	Offset	Length (LF)
35+41 to 35+60	37' L	19
36+58	10' L to 32' R	42

Station	Offset	Length (LF)
34+15 to 34+35	23' to 24' R	20
34+15 to 34+35	25' to 26' R	20
34+93 to 35+12	25' to 26' R	20
34+92 to 35+12	24' to 25' R	20

Station	Offset	Quantity (Ea)
35+33	R	1
35+36	R	1
35+39	R	1

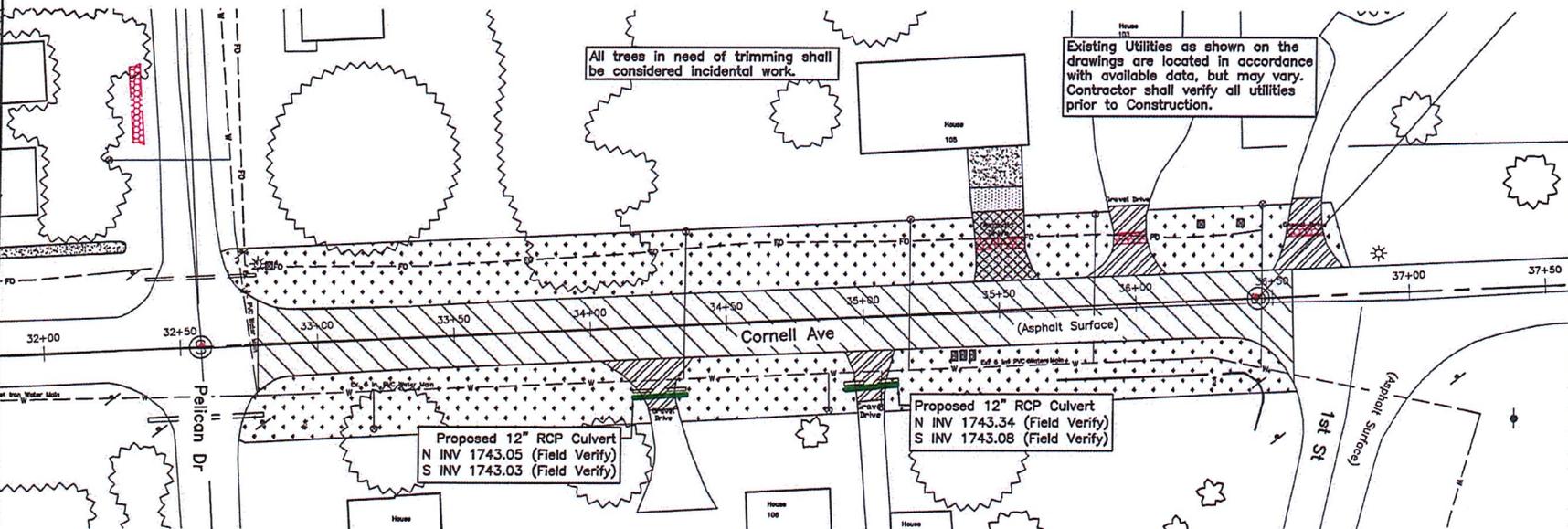
Station	Offset	Quantity (Ea)
32+73	L	1
32+79	R	1
36+43	R	1

Station	Offset	Area (SqYd)
34+04 to 34+38	12' to 31' R	38
34+93 to 35+11	13' to 31' R	27
35+82 to 36+12	11' to 37' L	45
36+51 to 36+77	11' to 36' L	45



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Station	Offset	Area (SqYd)
32+78 to 36+58	12' L to 12' R	1015

Station	Offset	Area (SqYd)
35+41 to 35+66	11' to 37' L	47

Station	Offset	Area (SqYd)
35+42 to 35+61	23' to 27' L	8
35+93 to 36+06	23' to 27' L	6
36+56 to 36+70	22' to 26' L	6

Station	Offset	Length (LF)
34+15 to 34+35	25' to 26' R	20
34+93 to 35+12	25' to 26' R	20

Length (Ft)	Width (Ft)	Area (SqYd)
407	24	1802

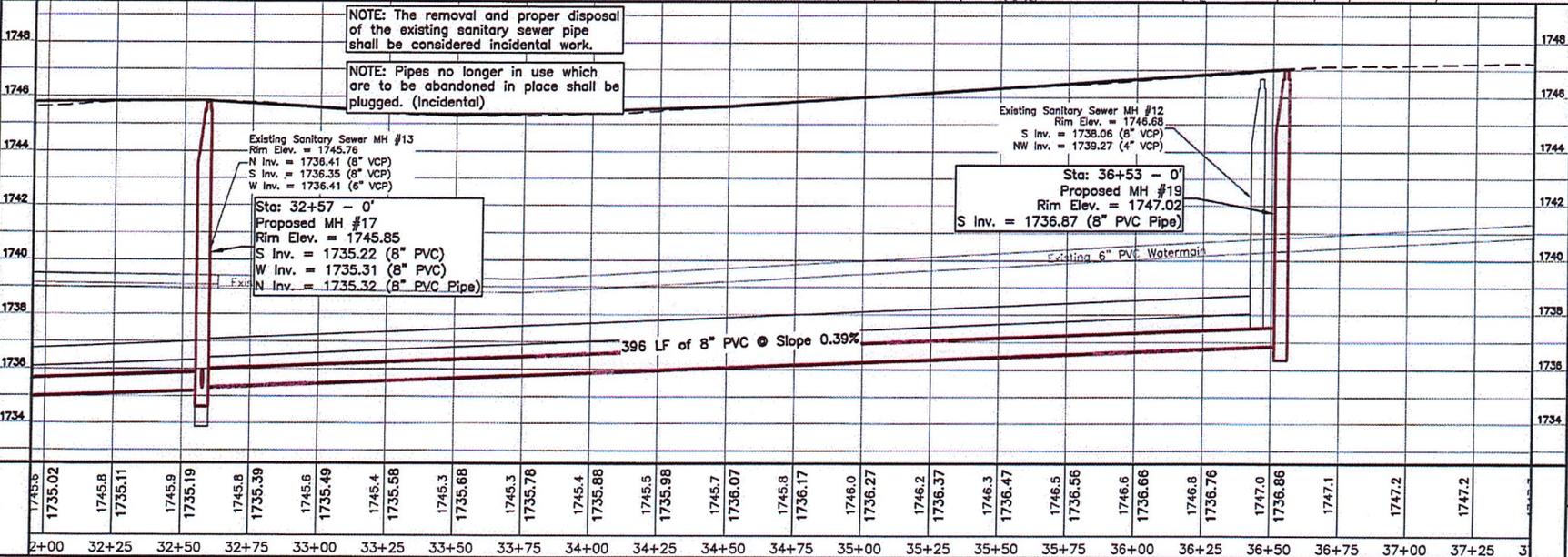
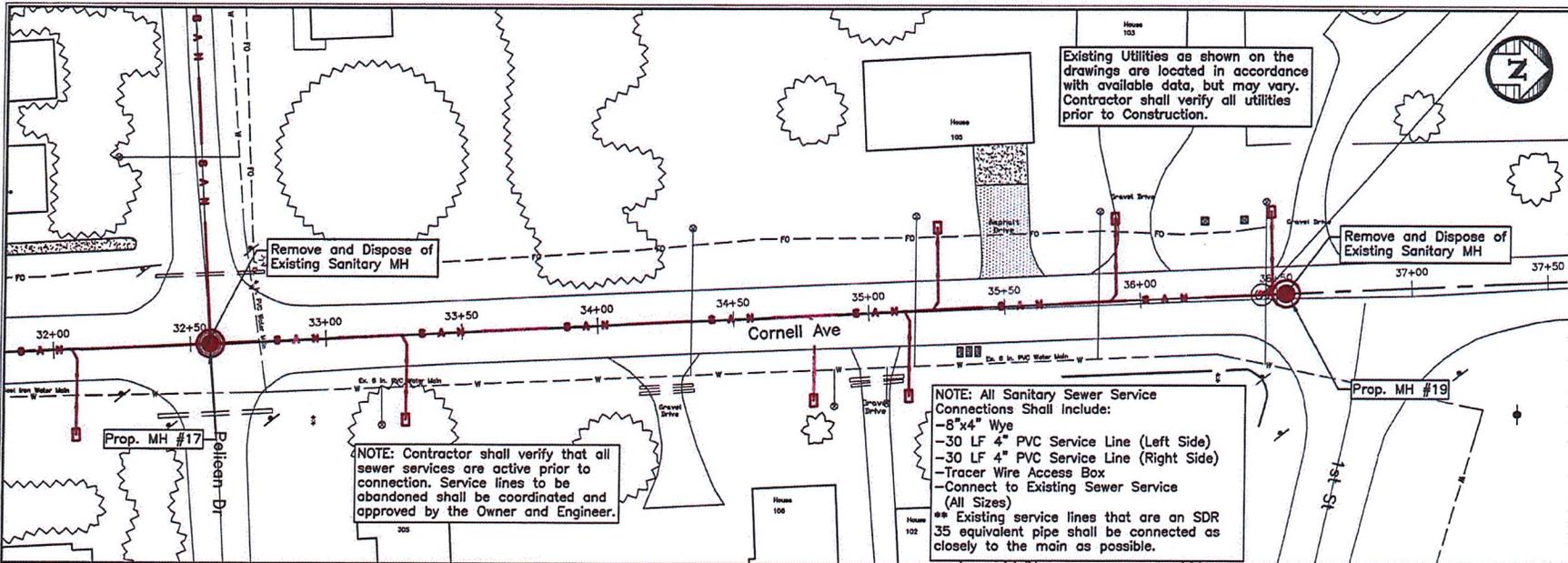
Plan Horiz. Scale:	1" = 40'
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Project Name:
Utility Improvements Phase I

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Sheet Name:
Cornell Ave Removals and Installs

Sheet Number:	Total Sheets:
14	119



Plan Horiz. Scale:	1" = 40'
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Project Name:
Utility Improvements Phase I

Located In:
Elkton, South Dakota

Sheet Name:
Cornell Ave Sanitary Sewer

Sheet Number:	Total Sheets:
16	119

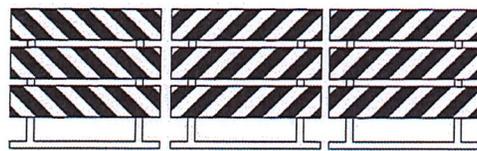
Traffic Control Signs For Cornell Ave Detour							
Sign Number	Sign Size	Description	Amount Reqd.	SqFt	Project Traffic Control Signs SqFt	Specialty Signs SqFt	
1	W20-3	48" x 48"	Road Closed Ahead	3	16	48	
2	R11-2	48" x 30"	Road Closed	8	10	80	
3	R11-4	60" x 30"	Road Closed To Thru Traffic	8	12.5	100	
4	W20-1	48" x 48"	Road Work Ahead	-	16	-	
5	G20-2	36" x 18"	End Road Work	-	4.5	-	
6	W20-2	48" x 48"	Detour Ahead	2	16		32
9	M4-9R	24" x 30"	Detour Right	4	5		20
10	M4-9L	24" x 30"	Detour Left	4	5		20
11	M4-8a	24" x 18"	End Detour	2	3	-	
12		24" x 30"	Cornell Detour	-	5		-
13		24" x 30"	Cornell Truck Detour	-	5		-
14		36" x 60"	Cornell Ave Closed From 1st St to 5th St	-	15		-
			Type III Barricades	47			
			Total SqFt			228	72



1 W20-3
48" x 48"



* 2 R11-2
48" x 30"



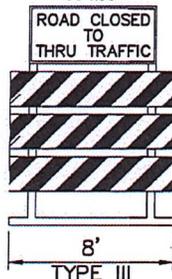
TYPE III BARRICADES
FULL ROADWAY CLOSURE

NOTE: The direction of stripes on type 3 barricades for each road closure shall be oriented to meet the requirements of the MUTCD latest edition.

- * Use 2 barricades for closure of Alleys
- * Use 3 Type III barricades on side streets
- * Use 1 Type III barricades with 3

ROAD CLOSED

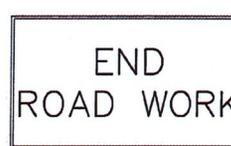
3 R11-4
60" x 30"



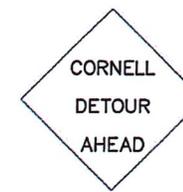
TYPE III



4 W20-1
48" x 48"



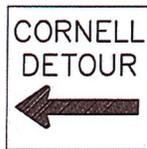
5 G20-2
36" x 18"



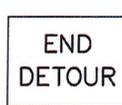
6 W20-2
48" x 48"



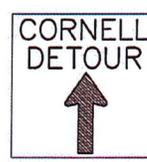
9 M4-9R
24" x 30"



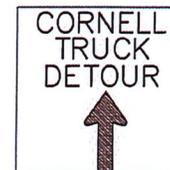
10 M4-9L
24" x 30"



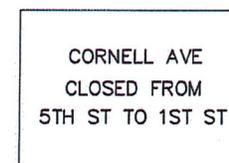
11 M4-8a
24" x 18"



12 24" x 30"



13 24" x 30"



14 60" x 36"

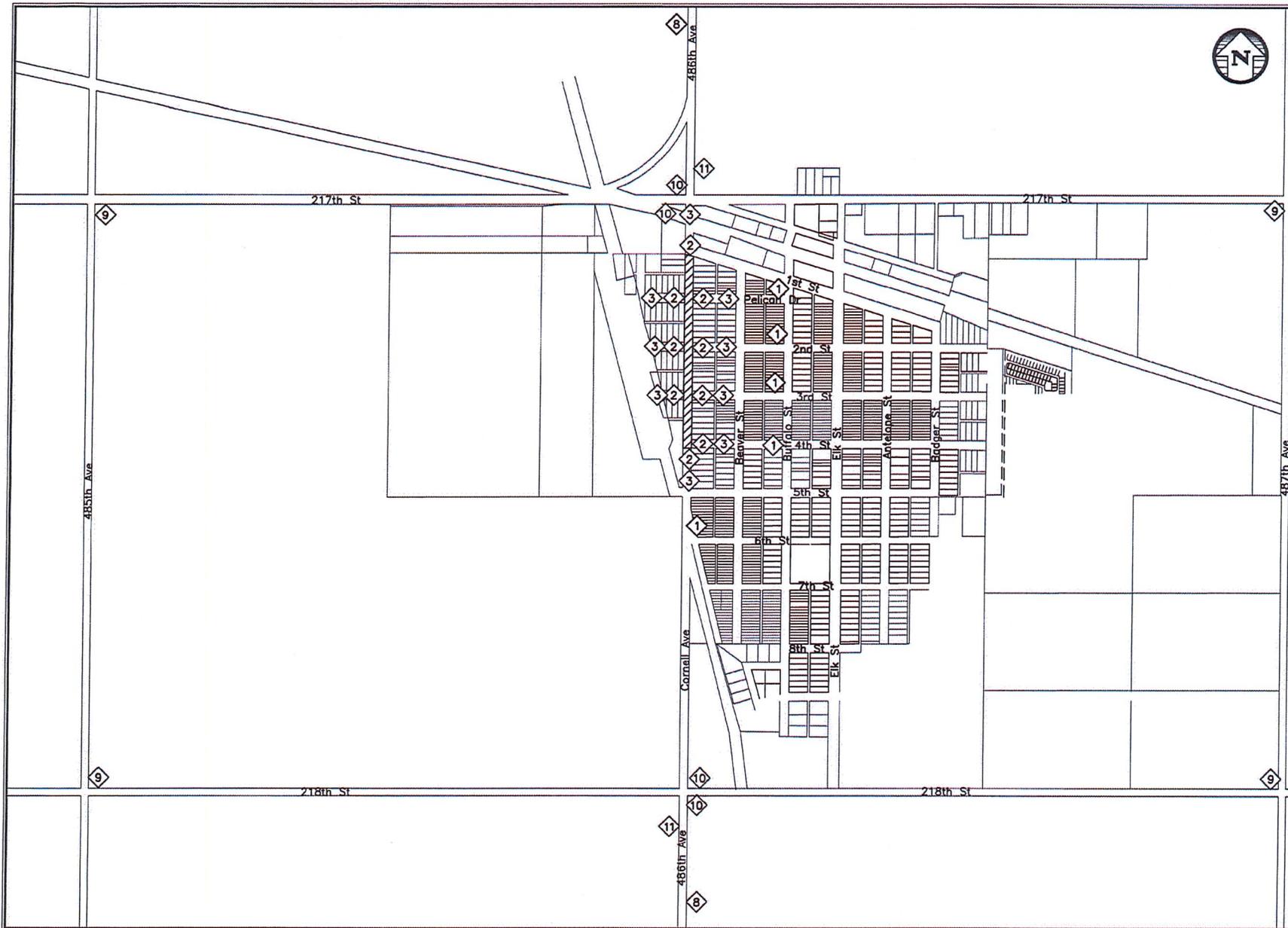
Plan Horiz. Scale:	None
Drawn By:	MED
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Project Name:
**Utility
Improvements
Phase I**

Located in:
**Elkton,
South Dakota**

Sheet Name:
**Traffic Control
Cornell Ave Detour**

Sheet Number:	Total Sheets:
102	119



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 & Associates

Engineers - Planners - Surveyors
 2100 North Sauborn Boulevard - P.O. Box 398
 Mitchell, South Dakota - Zip 57301-0398
 Phone: (605) 996-7761 - Fax: (605) 996-0015

Plan Horiz. Scale:	None
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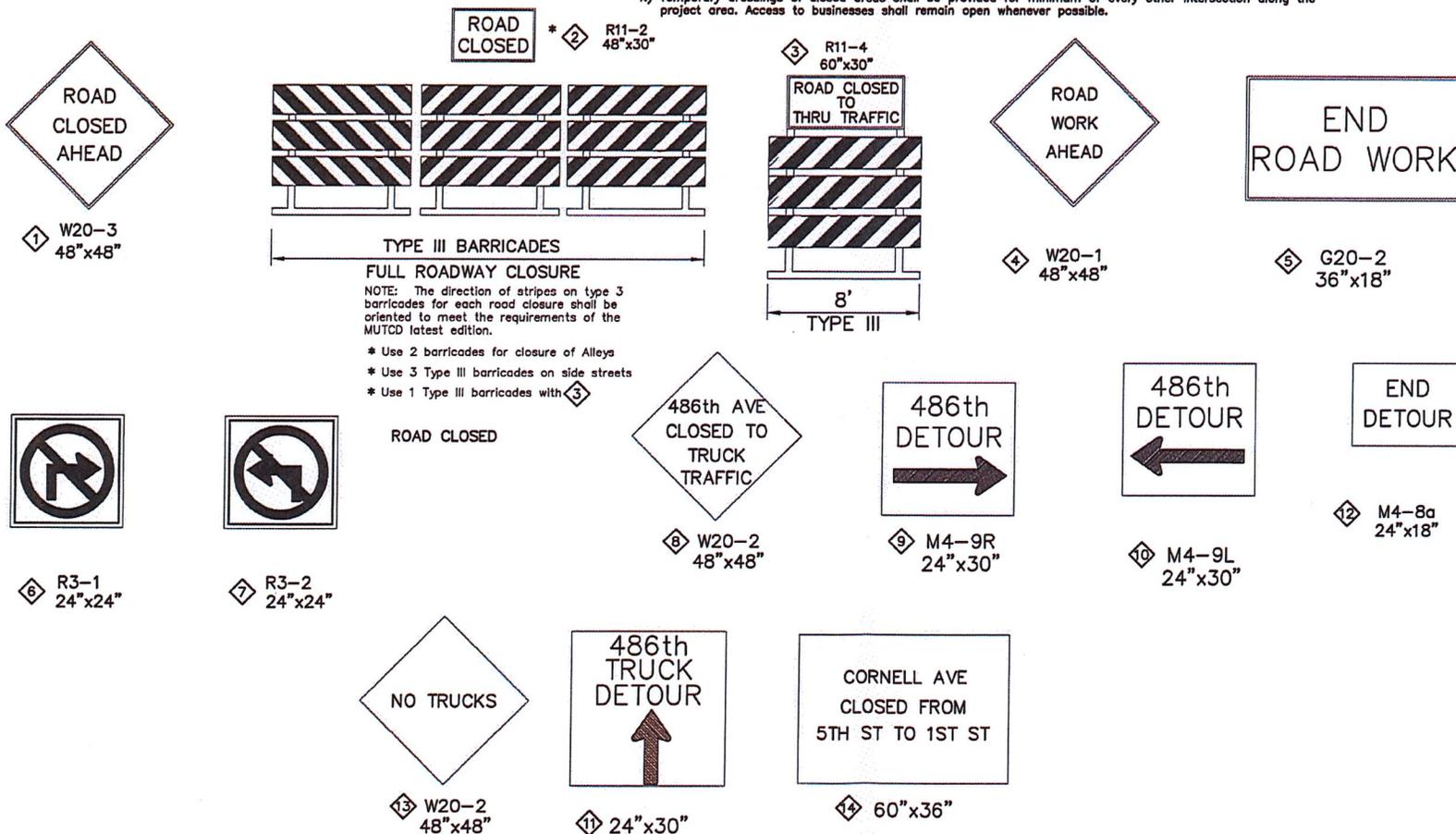
Located in:
**Elkton,
 South Dakota**

Sheet Name:
**Traffic Control
 Detour for Cornell Ave**

Sheet Number:	Total Sheets:
103	119

GENERAL TRAFFIC CONTROL NOTES:

- 1.) Traffic control and safety of the traveling public shall be the responsibility of the contractor. The traffic control signage as shown on the following sheets shows what is expected to be the most signage required for each portion of the project at one time. Actual site conditions and the Contractor's method of operations shall dictate whether additional or fewer signs will be required. Any additional closures, traffic control equipment, or materials if necessary shall be at no additional cost to the Owner. Miscellaneous traffic control devices such as but not limited to cones, barrels, flashers, Type I and Type II barricades shall be placed by the contractor as needed to direct traffic around the construction site.
- 2.) The Contractor shall provide at least 24 hours advanced notice of road closures to the City of Elkton Utility Manager, the local fire department and all residents and businesses located in the Construction area.
- 3.) The Contractor shall notify the City of Elkton and the local fire department when roads are reopened.
- 4.) Temporary crossings of closed areas shall be provided for minimum of every other intersection along the project area. Access to businesses shall remain open whenever possible.



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Located in:
Elkton, South Dakota

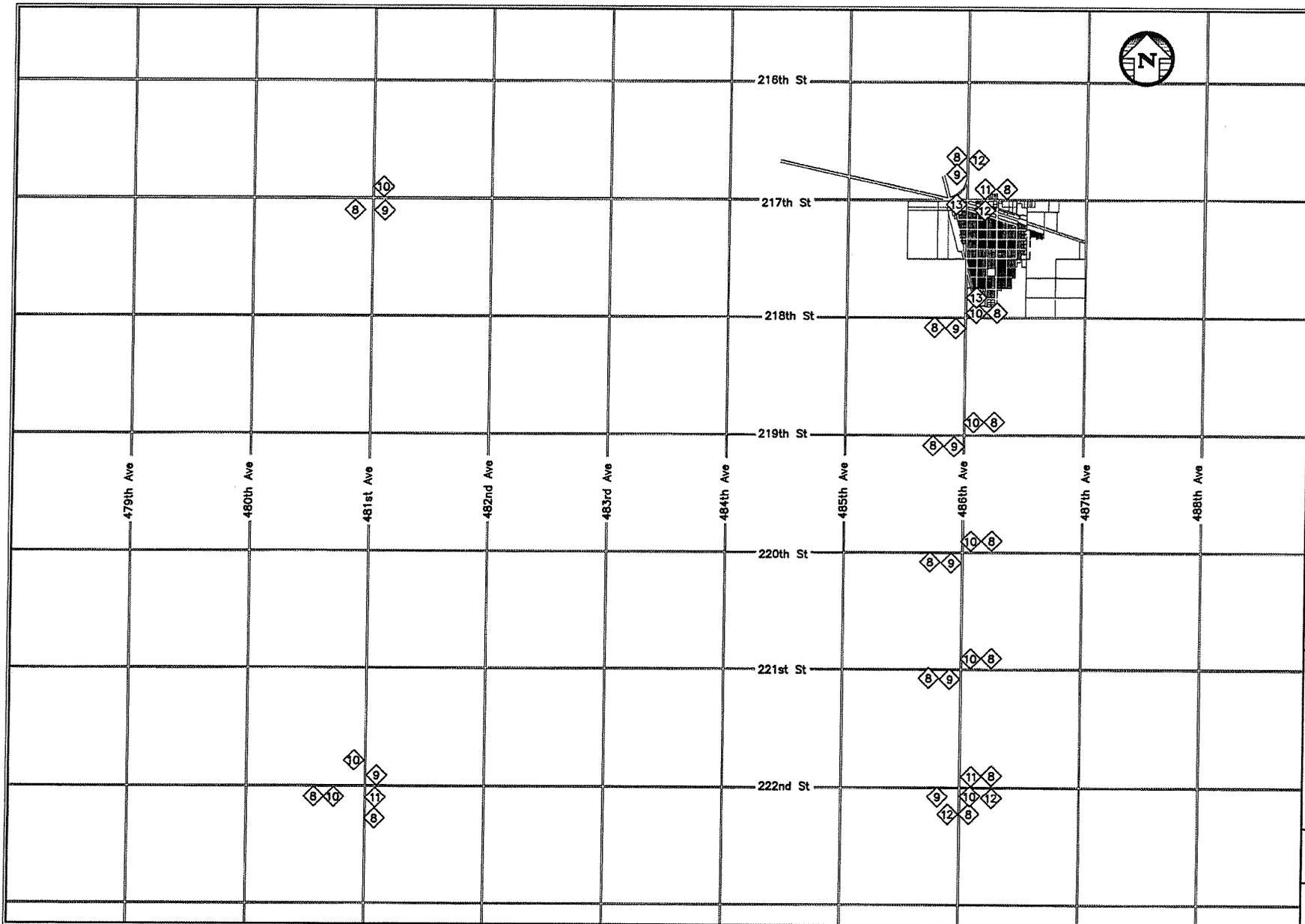
Sheet Name:
Traffic Control
 **

Sheet Number:	Total Sheets:
104	119



SPN
& Associates

Engineers - Planners - Surveyors
3100 North Sanborn Boulevard - P.O. Box 398
Mitchell, South Dakota - Zip 57301-0398
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Plan Horiz. Scale:	None
Drawn By:	MEJ
Checked By:	..
Date:	1/16/2020
Project No.:	15244
File Name:	..

Project Name:
**Utility
Improvements
Phase I**

Located in:
**Elkton,
South Dakota**

Sheet Name:
**Traffic Control
Detour for 486th Ave**

Sheet Number:	Total Sheets:
105	119