

**CONSTRUCTION NOTES (THIS SHEET)**

1. THE CONTRACTOR FOR THE 46TH AVENUE SE RECONSTRUCTION PROJECT SHALL BE RESPONSIBLE FOR THE RECONSTRUCTION OF THE INTERSECTIONS OF 21ST STREET SE AND 21ST STREET SE BETWEEN MIDDLE JULY 2005 TO MIDDLE AUGUST 2005. THEREAFTER THE CONTRACTOR SHALL COORDINATE WITH THE 46TH AVENUE SE CONTRACTOR FOR CONNECTING TO BACKFLOW PREVENTERS.
2. THE BACK THE LAST 30' OF THE STORM SEWER FROM THE OUTFALL AND THE UPSTREAM END UPON CURB LINE. AFTER THE STORM SEWER IS COMPLETED THE CONTRACTOR SHALL FLOW AND WASH OUT THE SEWER. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN THE FLOWED END SPOTIONS TO GET EVERYTHING TO FUNCTION PROPERLY.
3. 21ST STREET SE AND SHOULDER WILL BE UNDER 10' BELOW TOP OF CURB. 46TH AVENUE SE WILL BE UNDER 10' BELOW TOP OF CURB. 46TH AVENUE SE WILL BE UNDER 10' BELOW TOP OF CURB. 46TH AVENUE SE WILL BE UNDER 10' BELOW TOP OF CURB.

**STORM SEWER MANHOLE AND INLET SCHEDULE**

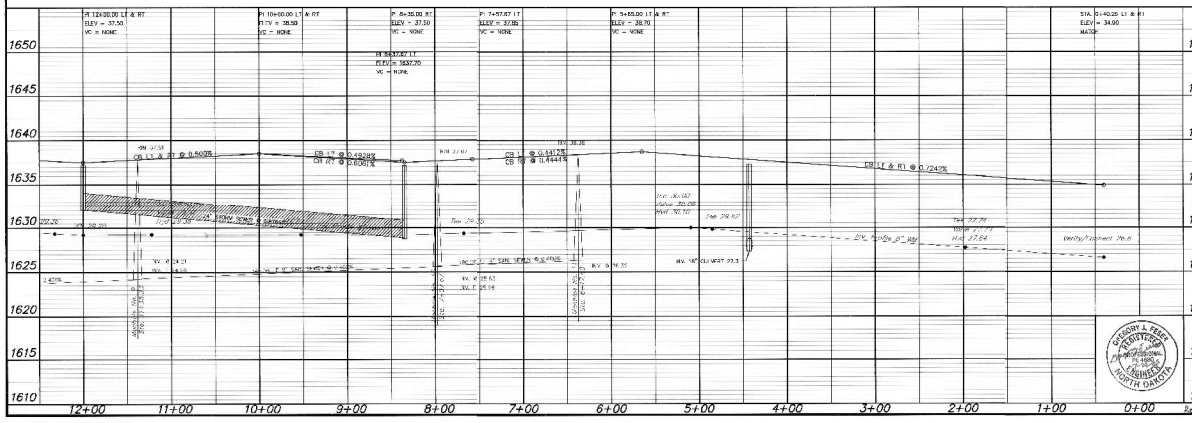
MANHOLE NO.	INLET NO.	INLET NO.	INLET NO.
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Sta. 12+00.00  
Begin Storm Sewer Quantities  
Sta. 12+00.00  
Begin Curb & Gutter, Asphalt

Sta. 12+00.00  
End Storm Sewer Quantities

**CURVE DATA**

CURVE	RADIUS	LENGTH	TANGENT	DELTA
1	130.17'	115.97'	163.08'	103.08°



**APPROXIMATE QUANTITIES**

ITEM	QUANTITY
4.1502 SF STREET PAVING	1.15
Subgrade	47.00
2" Sanding	2,525.57
3.5" Sanding	2,525.57
ASPHALT ITEMS	
3" AC Base Course (Class II)	813.00
2" AC Surface Course (Class II)	540.00
Bituminous Top Coat	488.00
Aggregate Sub Course	4878.00
Adjust Manhole Casting	4.00
CONCRETE ITEMS	
Standard Curb & Gutter	2288.00
Adjust Inlet Casting	3.00
STEELMAN ITEMS	
18" RCP Storm Sewer	14.15
18" RCP Flared End Section	5.00
4.5" Box Inlet	1.00
2.5" Box Inlet	2.00
18" RCP Storm Sewer	4.00
18" Box Inlet	1.00
18" Inlet	1.00
18" Inlet	1.00
MISCELLANEOUS ITEMS	
Signage	1.15
Adjust Manhole	9.00



**21ST STREET SE**  
FROM 350' EAST OF 40TH AVENUE SE TO  
46TH AVENUE SE

STREET IMPROVEMENT DISTRICT NO. 133  
SHEET C10 OF 19 PROJECT 2005-16  
Mandan, ND JULY 22, 2005

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