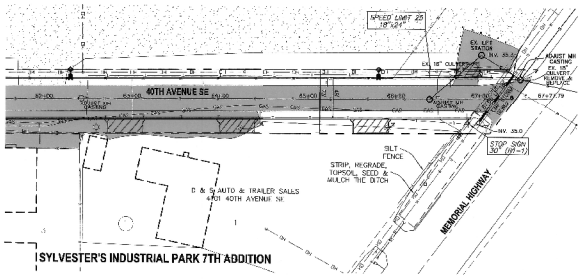
SCALE 1"=50'



Sta. 63+00.00
Begin Curb & Gutter, Asphalt

Sta. 65+80.00 23.00' LT
8" Tapping Sleeve & Valve
10 LF 8" AM
8" Hydrant (8.5' Perp.)

Sta. 67+10.00 24.00' LT
End Curb & Gutter

Sta. 66+85.00 24.00' RT
End Curb & Gutter

Sta. 67+55.00
End Asphalt

CONSTRUCTION NOTES (THIS SHEET)

1. AT STA. 66+40 AND STA. 67+46 REMOVE THE EXISTING ADJUSTING RINGS AND GROUT AS REQUIRED TO ADJUST THE MANHOLE CASTING DOWN TO THE PROPOSED STREET GRADE. SAID WORK SHALL BE CONSIDERED INCIDENTAL TO THE UNIT PRICE BID FOR "ADJUST MANHOLE CASTING".

2. REMOVE AND DISPOSE OF OFFSITE THE 18" CULVERT AT APPROXIMATELY STA. 67+23 AND THE 18" CULVERT THAT RUNS PARALLEL ON THE WEST SIDE OF 40TH AVENUE SE UNDER THE EXISTING LIFT STATION DRIVEWAY AT APPROXIMATELY STA. 66+80.

3. CONSTRUCT A NEW 18" CMP CULVERT IN THE SOUTH RIGHT OF WAY DITCH OF MEMORIAL HIGHWAY UNDER 40TH AVENUE SE. REGRADE THE DITCH TO THE SOUTHEAST TO THE NEXT CULVERT TO PROVIDE POSITIVE DRAINAGE. REPLACE TOPSOIL, SEED AND MULCH. SAID WORK SHALL BE CONSIDERED INCIDENTAL TO THE UNIT PRICE BIDS FOR "REMOVE AND STOCKPILE TOPSOIL", "4" TOPSOILING" AND "SEEDING AND MULCHING" ACCORDINGLY.

4. LOCATE THE EXISTING 8" WATERMAIN AT THE CROSSING WITH THE NEW 18" CULVERT. CENTER A 4" X 4' X 8' INSULATION BOARD 6" ABOVE THE TOP OF THE WATERMAIN.

5. THE LOCATION OF DRIVEWAYS WHICH WILL REQUIRE DROP CURB IS TO BE VERIFIED AT THE TIME OF CONSTRUCTION.

6. BUSINESSES NORTH OF 19TH STREET SE ON THE EAST SIDE OF 40TH AVENUE SE WILL HAVE 6" CONCRETE DRIVEWAYS CONSTRUCTED. THE LOCATIONS HAVE NOT YET BEEN DETERMINED. THE 6" CONCRETE DRIVEWAY BID ITEM REFLECTS THESE QUANTITIES AND MAY BE ADJUSTED UP OR DOWN.

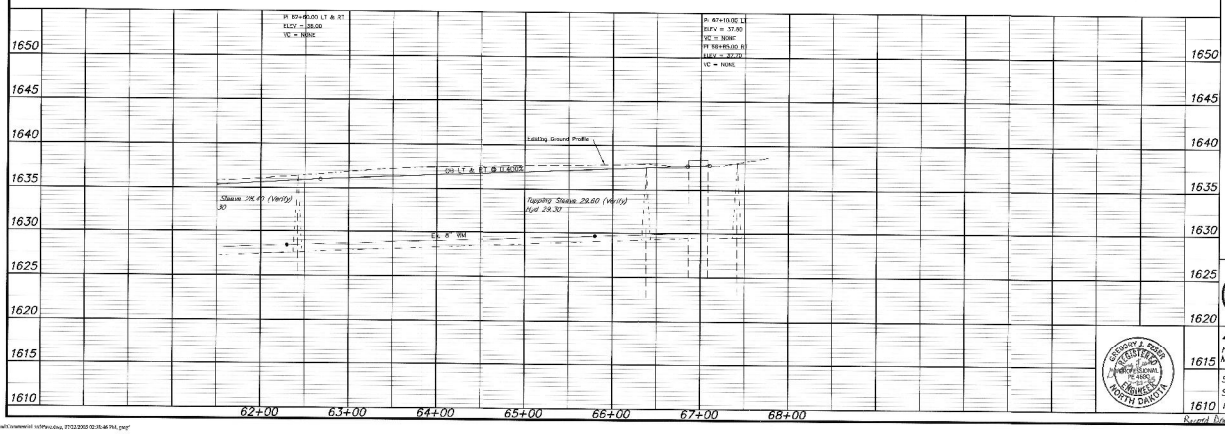
7. CONSTRUCT 5" THICK AC PAVEMENT PER THE DETAIL FROM STA. 21+60.00 TO STA. 66+82.68. CONSTRUCT 6" THICK AC PAVEMENT PER THE DETAIL FROM STA. 66+82.68 NORTH TO MEMORIAL HIGHWAY.

8. REMOVE THE REMAINING ASPHALT PAVING ON 19TH STREET SE AND 40TH AVENUE SE. THE CONTRACTOR MAY ELECT TO MILL THE ASPHALT PAVING AND USE THE MILLINGS FOR CONSTRUCTION OF THE BASE FOR THE BIKE TRAIL.

9. THERE ARE A NUMBER OF MAILBOXES, SIGNS, FENCES AND OTHER MISCELLANEOUS ITEMS ALONG EITHER SIDE OF THE 40TH AVENUE SE FROM 19TH STREET SE NORTH TO MEMORIAL HIGHWAY. THE CONTRACTOR SHALL REMOVE, SALVAGE AND RESET ITEMS AS DIRECTED BY THE ENGINEER. SAID WORK SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS.

10. AT THE DRIVEWAY LOCATION ON THE EAST SIDE OF 40TH AVENUE SE FOR B & D TRAILER SALES AND THE EXISTING LIFT STATION SITE ON THE WEST SIDE OF 40TH AVENUE SE, SAW CUT THE EXISTING ASPHALT PAVEMENT AT THE RIGHT OF WAY AS REQUIRED TO TRANSITION TO THE PROPOSED CURB AND GUTTER. PROVIDE A CLEAN, VERTICAL EDGE. REMOVE THE REMAINING ASPHALT WITHIN THE RIGHT OF WAY OF 40TH AVENUE SE AND DISPOSE OF OFFSITE.

11. SAW CUT THE EXISTING PAVING AT THE INTERSECTION OF 40TH AVENUE SE AND MEMORIAL HIGHWAY TO PROVIDE A CLEAN, VERTICAL EDGE.



17,888 SF PAVING

APPROXIMATE QUANTITIES

GRADING ITEMS	
Grading	1 LS
Subgrade Watering	16 MGal
Subgrade Preparation	2000 SY
Remove and Stockpile Topsoil	720 SY
Class V Gravel	70 Ton
4" Topsoiling	450 SY
Seeding & Mulching	450 SY
Asphalt Removal	1,1453 SF
ASPHALT ITEMS	
3" AC Base Course (Class B)	331 Ton
3" AC Surface Course (Class B)	331 Ton
Bituminous Tack Oil	199 Gal
Aggregate Seal Course	1988 SY
Adjust Manhole Casting	3 EA
CONCRETE ITEMS	
Standard Curb & Gutter	790 LF
6" Concrete Driveway	1,320 SF
STORM SEWER ITEMS	
18" CMP Culvert	67 LF
18" CMP Flared End Section	2 EA
MISCELLANEOUS ITEMS	
Signage	1 LS
Adjust Valve Box	3 EA
Remove Culverts	1 LS
8" PVC Watermain	10 LF
8" Tapping Sleeve & Valve	1 EA
8" Hydrant	1 EA
4" Insulation Board	32 SF

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Phone (701) 255-3600
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40TH AVENUE

FROM 570' SOUTH OF MEMORIAL HIGHWAY TO MEMORIAL HIGHWAY

STREET IMPROVEMENT DISTRICT NO. 133
SHEET C6 OF 19 PROJECT 2005-16
MANDAN, ND JULY 22, 2005

Record Drawing

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