

NO.	ITEM NO.	ITEM	UNIT	ESTIMATED	FINAL
				QUANTITY	QUANTITY
1	2101.502	CLEAR AND GRUB TREES	EACH	11	
2	2104.505	REMOVE BITUMINOUS PAVEMENT	S.Y.	5500	
3	2104.501	REMOVE CURB AND GUTTER	L.F.	660	
4	2104.505	REMOVE CONCRETE MEDIAN	S.Y.	20	
5	0331.603	SAW INPLACE BITUMINOUS (FULL DEPTH)	L.F.	550	
6	2105.501	COMMON EXCAVATION	L.S.	1	
7	2503.541	12" R.C.P. CL.4, DESIGN 3006	L.F.	90	
8	2503.541	15" R.C.P. CL.4, DESIGN 3006	L.F.	85	
9	2505.503	RE-CONSTRUCT EXISTING C.B. OR M.H.	EACH	2	
10	2506.509	CONSTRUCT CATCH BASIN	EACH	6	
11	2506.522	ADJUST EXISTING CASTING	EACH	2	
12	2500.500	REMOVE AND RELOCATE "CUB FOOD" SIGN	EACH	1	
13	2211.501	AGGREGATE BASE, CLASS 5, 100% CRUSHED	TON	1200	
14	2531.501	CONCRETE CURB & GUTTER - DESIGN B-618	L.F.	2300	
15	2531.503	4" CONCRETE MEDIAN	S.Y.	310	
16	2331.504	BITUMINOUS MATERIAL FOR MIXTURE	TON	50	
17	2331.514	BASE COURSE MIXTURE	TON	450	
18	2331.510	BINDER COURSE MIXTURE	TON	570	
19	2341.504	BITUMINOUS MATERIAL FOR MIXTURE	TON	40	
20	2341.508	WEARING COURSE MIXTURE	TON	640	
21	2357.502	BITUMINOUS MATERIAL FOR TACK COAT	GAL.	440	
22	0564.601	SIGNING AND PAVEMENT MARKING	L.S.	1.0	
23	DIV. II	SOODING	S.Y.	1300	

PLATE NO.	STANDARD PLATES DESCRIPTION
150 *	STREET & TRAFFIC SIGN INSTALLATION
110 *	CONCRETE CURB & GUTTER B-618
13 *	STANDARD CATCH BASIN FOR STORM DRAIN
210 *	STANDARD MANHOLE (STORM SEWER)
220&420*	STANDARD STORM & SANITARY SEWER MANHOLE COVER
0004 A	SPECIFICATION REFERENCE TO STANDARD PLATES
3000 K	REINFORCED CONCRETE PIPE
3006 F	GASKET JOINT FOR R.C. PIPE
4010 G	CONCRETE SHORT CONE AND ADJUSTING RING
8000 I	STANDARD BARRICADES

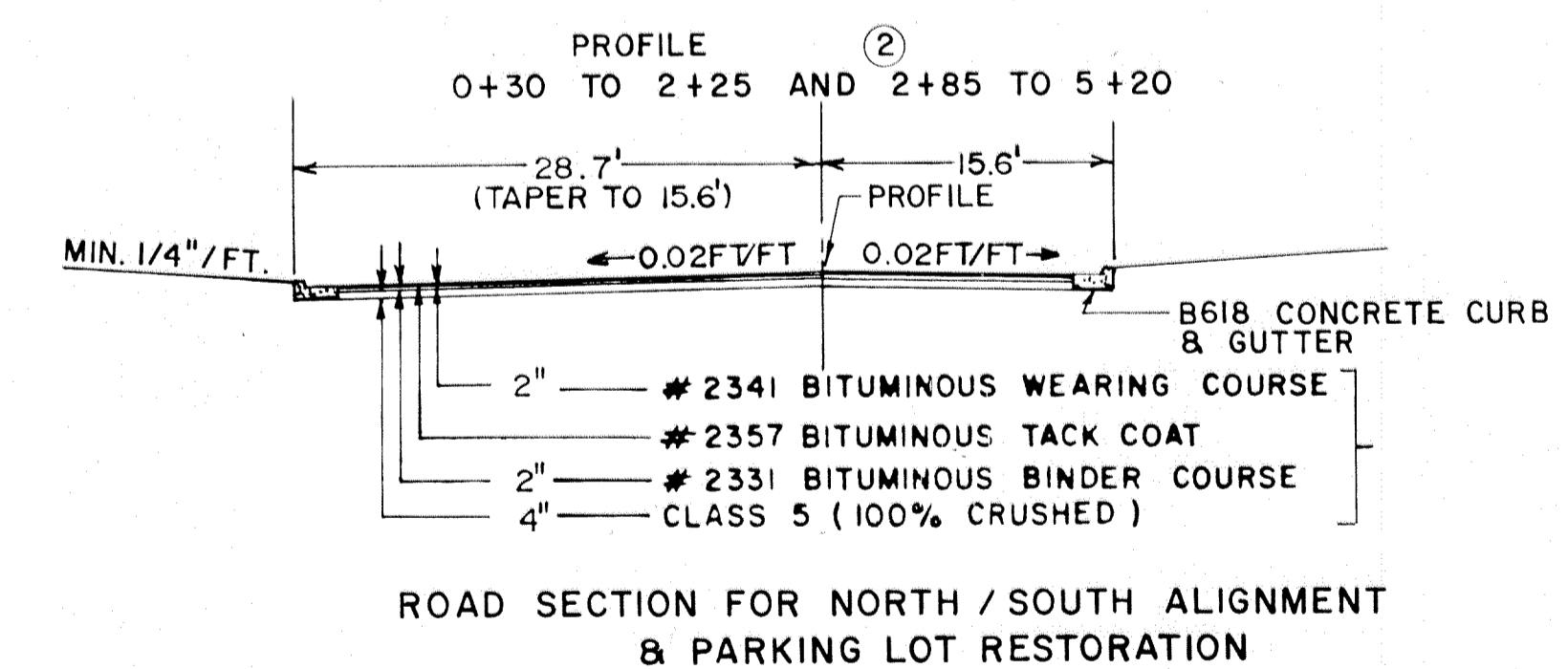
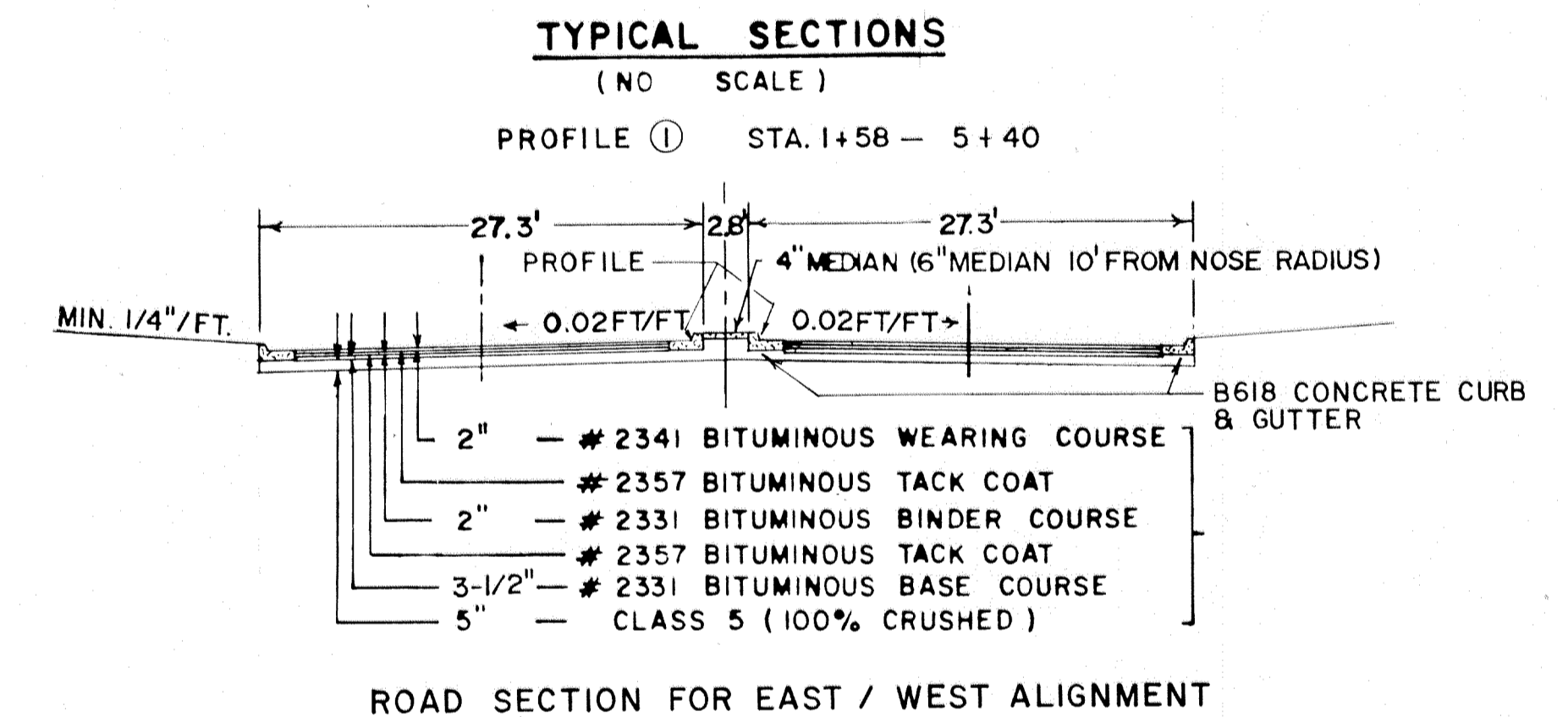
\* BLAINE'S STANDARD PLATES (SEE DETAIL SHEET 5)  
OTHER STANDARD PLATES MN DOT

**BASIS OF PLAN QUANTITIES**

- 2331 PLANT MIXED BASE COURSE  
BITUMINOUS MIXTURE 110 LBS./S.Y. PER 1" THICKNESS  
BITUMINOUS MATERIAL FOR MIXTURE 4.8% BY WT.
- 2331 PLANT MIXED BINDER COURSE  
BITUMINOUS MIXTURE 110 LBS./S.Y. PER 1" THICKNESS  
BITUMINOUS MATERIAL FOR MIXTURE 4.8% BY WT.
- 2341 PLANT MIXED WEARING COURSE  
BITUMINOUS MIXTURE 110 LBS./S.Y. PER 1" THICKNESS  
BITUMINOUS MATERIAL FOR MIXTURE 6.2% BY WT.
- 2357 BITUMINOUS MATERIAL FOR TACK COAT 0.05 GAL PER S.Y.

**GENERAL NOTES:**

- DISPOSAL OF REMOVED MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR
- CONTRACTOR SHALL PROTECT EXISTING UTILITIES DURING CONSTRUCTION AT NO ADDITIONAL COMPENSATION
- ALL CATCH BASIN GRATES TO BE CONSTRUCTED 0.10 FOOT BELOW FINISHED GRADE



**APPROXIMATE AREAS OF WORK (INFORMATION ONLY)**

- EAST / WEST ALIGNMENT — 1+58 TO 5+40 — APPROX. 2040 S.Y.
- NORTH / SOUTH ALIGNMENT — 0+27 TO 2+25  
2+85 TO 5+20 — APPROX. 1330 S.Y.
- ADDED PARKING LOT AREAS — APPROX. 1220 S.Y.
- AREA OF OVERLAY — APPROX. 1065 S.Y.

WORK AREAS APPROXIMATED BY SCALED MEASUREMENTS.  
PAYMENT WILL BE BY ACTUAL FIELD MEASUREMENTS / OR DELIVERY TICKETS.

EXPLANATION  
REVISION NO. DATE  
DESIGN BY: M. R. H.  
CHECKED BY: J. A. H. 3/3/2 10  
RECORD COPY BY: DATE  
I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF IT COMplies WITH THE LAWS OF THE STATE OF MINNESOTA.  
JOHN A. HARWOOD P.E.  
REG. NO. 11047

UNIVERSITY NORTHTOWN  
SERVICE DRIVE ALIGNMENT  
PROJECT 87-04  
BLAINE, MINNESOTA

**OSM**  
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Engineers & Surveyors & Planners  
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