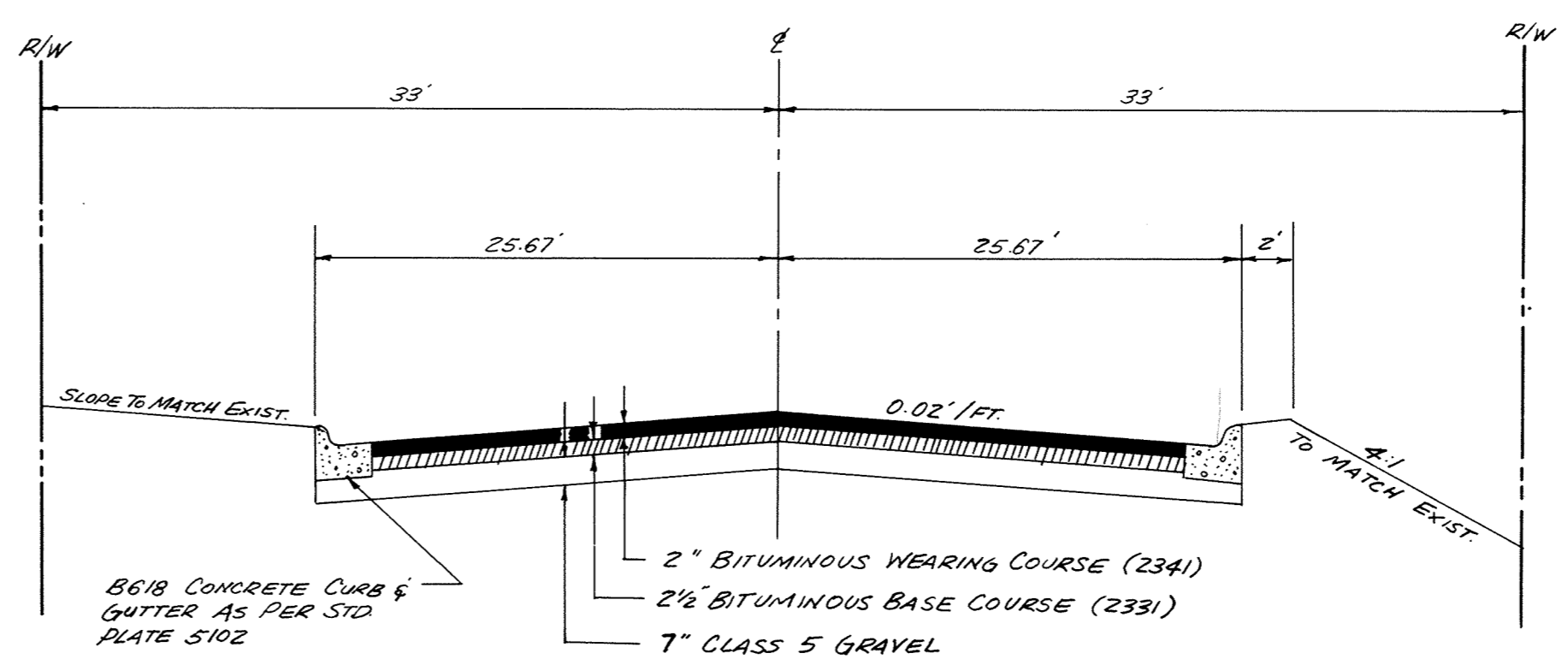


STATEMENT OF ESTIMATED QUANTITIES

SPEC.	ITEM	UNIT	QUANTITY	
			S.A.P.	OTHER
2101.502	Clearing	Tree	11	
2101.507	Grubbing	Tree	11	
Spec.	Remove Existing Bituminous Surfacing	S.Y.	8000	
2105.501	Common Excavation	C.Y.	6300	
Spec.	Haul	C.Y.	5000	
2331.502	Concrete Curb & Gutter	(M) Gal	100	
Spec.	Water (Dust Control)	S.F.	1160	
Spec.	Concrete Driveway Apron	L.F.	550	
Spec.	Remove Existing Conc. Curb & Gutter	S.Y.	300	
Spec.	Remove Existing Conc. Sidewalk	S.F.	90	
Spec.	Conc. Valley Gutter	Each	2	
Spec.	Triangular Valley Gutter Section	S.F.	5200	
2521.501	4" Concrete Walk	Each	5	
Spec.	Concrete Pedestrian Ramp	Each	4300	
2211.501	Aggregate Base (Class 5)	Each	1850	
2331.508	Bituminous Surfacing (2331)	Each	1850	
2341.508	Bitum. Surfacing (2341)	Each	93	
2331.504	Bitum. Material for Mixt. (2331)	Each	111	
2341.504	Bitum. Material for Mixt. (2341)	Each	700	
2357.502	Bituminous Tack Coat	Gallon	50	
Spec.	Concrete Driveway Pavement	S.Y.	100	
Spec.	Gravel Driveway Restoration	S.Y.	30	
Spec.	Bituminous Driveway Pavement	S.Y.	6	
Spec.	Adjust Existing Valve Box	Each	7	
2506.522	Adjust Existing Frame & Ring Casting	Each	10	
2506.511	Reconstruct Existing Manhole	L.F.	1.0	
2575.501	Seeding	Acres	5000	
2575.505	Sodding	S.Y.	3	
Spec.	Remove & Relocate Ex. Hydrant & Valve	Each	7	
Spec.	Remove & Relocate Exist. Signs	Each	17	
Spec.	Sign Panels	Each	100	
Spec.	18" White Stop Bar	L.F.	980	
Spec.	4" Yellow Pavement Line	L.F.	6330	
Spec.	4" White Pavement Line	L.F.	4	
Spec.	White Arrow With Only	Each	800	
Spec.	4" White Centerline	L.F.	140	
Spec.	4" Yellow Centerline	L.F.		368
Spec.	8" Pipe 0-10'	L.F.		576
Spec.	12" Pipe 12-14'	L.F.		120
Spec.	12" Pipe 14-16'	L.F.		105
Spec.	12" Pipe 16-18'	L.F.		121
Spec.	12" Pipe 18-20'	L.F.		2
Spec.	Standard Manhole	Each		5.3
Spec.	Extra Depth Manhole	L.F.		2
Spec.	Construct Inside Drop	Each		16
Spec.	Reconnect Ex. Sanitary Sewer Services	Each		1290
Spec.	Televise Sewer Line	L.F.		
Spec.	Connect to Existing MH (Main St. & Gates Ave.)	Each		1
Spec.	Connect to Existing MH	Each		2
Spec.	Remove Existing MH	Each		3
Spec.	Remove Existing Sanitary Sewer	L.F.		1161
2503.511	12" RCP Cl. III	L.F.	10	
2503.511	15" RCP Cl. III	L.F.	15	
2503.511	18" RCP Cl. III	L.F.	85	
2503.511	21" RCP Cl. III	L.F.	80	
2503.511	30" RCP Cl. III	L.F.	396	
2503.511	36" RCP Cl. III	L.F.	346	
2506.508	54" Manhole	Each	2	
2506.508	48" Manhole	Each	3	
2506.509	Catch Basin	Each	3	
Spec.	Connect to Exist. MH	Each	1	
Spec.	Salvage Existing Culvert	L.F.	140	
Spec.	Extend Existing 24" CMP Culvert	L.F.	30	
Spec.	6" Service Connection	Each		2
Spec.	6" Service Connection (Cut In)	Each		10
Spec.	6" Service Pipe	L.F.		700
Spec.	6" D.I.P.	L.F.		1010
Spec.	6" Valve	Each		3
Spec.	Fittings	Lbs.		620
Spec.	Connect to Existing Waterman	Each		3
Spec.	1" Reconnect Ex. Water Services	Each		3
Spec.	1" Reconnect & Replace Existing W.S.	Each		7
Spec.	1" Service Pipe	Each		5
Spec.	1-1/2" Reconnect & Replace Ex. Water S.	Each		11
Spec.	1-1/2" Tap Service Connection on Ex.	Each		
Spec.	1-1/2" Service Pipe	Each		
Spec.	Wet Tap Connection	Each		1
Spec.	Insulation	L.F.		380
Spec.	Existing Service Excavation	Each		1
Spec.	Remove Existing 4" Watermain	L.F.		880
Spec.	Transplant Shrubs	Each		6
Spec.	Transplant Trees	Each		4
Spec.	3" Conduit	L.F.		350



TYPICAL STREET SECTION

General Construction Notes

1. Remove portions of bituminous and concrete driveways necessary to construct aprons.
2. Proposed driveway openings and locations shall be determined by the engineer in the field prior to construction.
3. Straight line cut, tack and match all connections to existing bituminous.
4. Contractor shall be responsible for location of all existing utilities prior to construction.
5. Contractor shall be responsible for maintaining utility services during construction.
6. Removal and replacement of all trees and landscape items shall be as directed by the engineer or as per special provision of the specification.
7. All street radii shall be 25' unless otherwise noted.
8. Stationing refers to street centerline.
9. All concrete curb elevations shown are to top of curb unless otherwise shown.
10. All storm drainage inlet castings shall be R-3250A unless noted otherwise.
11. All storm sewer and watermain crossings with vertical separation of less than 1.5' shall be insulated with 2" styrofoam 4' in each direction. This work shall be incidental.
12. All concrete curb and gutter to end with a 2' taper section.

AS-BUILT

DRAWN BY: MEK Date 2-4-85
 CHECKED BY:
 INSPECTOR: JCH Date 2-11-85
 DESIGN ENG: Date
 PARTY CHIEF: SS Date 2-11-85

S.A.P. No. 204-113-01

CITY OF ELK RIVER
ESTIMATED QUANTITIES

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under State of Minn. Statutes Sections 326.02 to 326.16. <i>Jerry J. Moore</i> Date 10/14/83 Minn. Reg. No. 15316	consulting engineers diversified inc. ED p.o. box j, osseo, minnesota 55369 • (612) 425-2181	REVISIONS	DESIGNED BY <i>JFM</i>	SCALE	DRAWN BY <i>JFM</i>	DATE Sept, 83	SHEET 2 OF 14 SHEETS	FILE NO. ER314.02
		SCALE	CHECKED BY <i>JFM</i>					
		HORIZ.				BK.	PG.	
		VERT.						