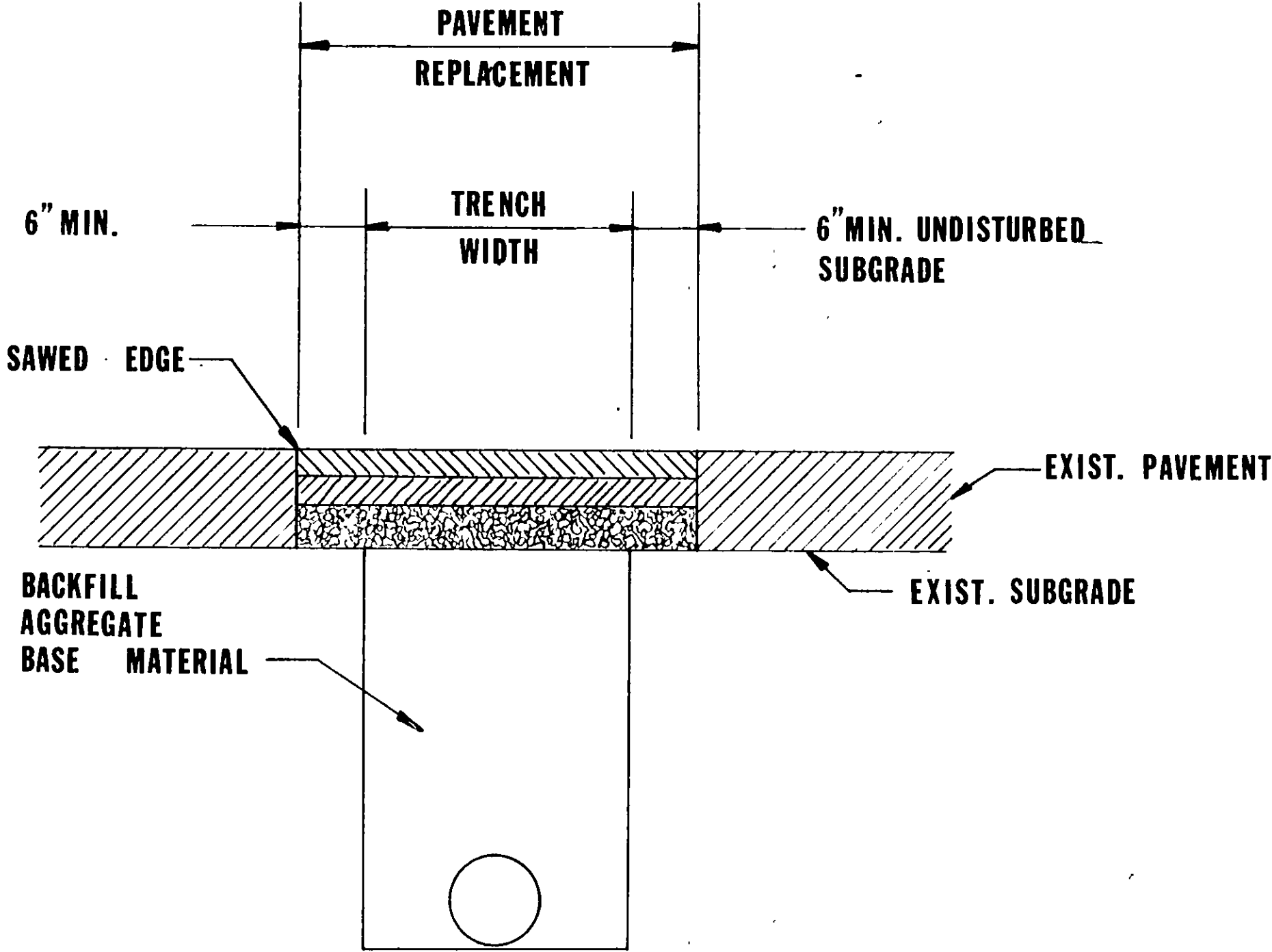


SUMMARY OF QUANTITIES

ITEM	UNIT	QUANTITY		
		ACTUAL	ESTIMATED	
8" PIPE (COMPLETE IN PLACE)	LF	5,017	5,520	
SERVICE CONNECTIONS	LF	880	970	
ROCK EXCAVATION	CY	261	290	
TRENCH STABILIZATION MATERIAL	CY	28	30	
SELECT BACKFILL MATERIAL	CY	261	290	
MANHOLE BARREL (4' DIAMETER)	VF	121	135	
STANDARD MANHOLE FRAMES AND COVERS	EA	24	24	
AGGREGATE BASE MATERIAL	TON	1112	1223	
BITUMINOUS CONCRETE BASE MATERIAL	TON	105	116	
BITUMINOUS CONCRETE SURFACE MATERIAL	TON	81	90	
SEEDING	SF	48,375	53,215	



TYPICAL DETAIL
PAVEMENT CUTTING & REPLACEMENT
NO SCALE

AS BUILT

QUANTITIES AND DETAILS
FOR
CRAVENS-BARNHART
SEWAGE COLLECTION SYSTEM
PROJECT I
CITY OF ROANOKE, VIRGINIA
SCALE: AS NOTED DATE: 24 OCT. 1980

BUFORD T. LUMSDEN & ASSOCIATES, P. C.
CERTIFIED LAND SURVEYORS
ROANOKE, VIRGINIA