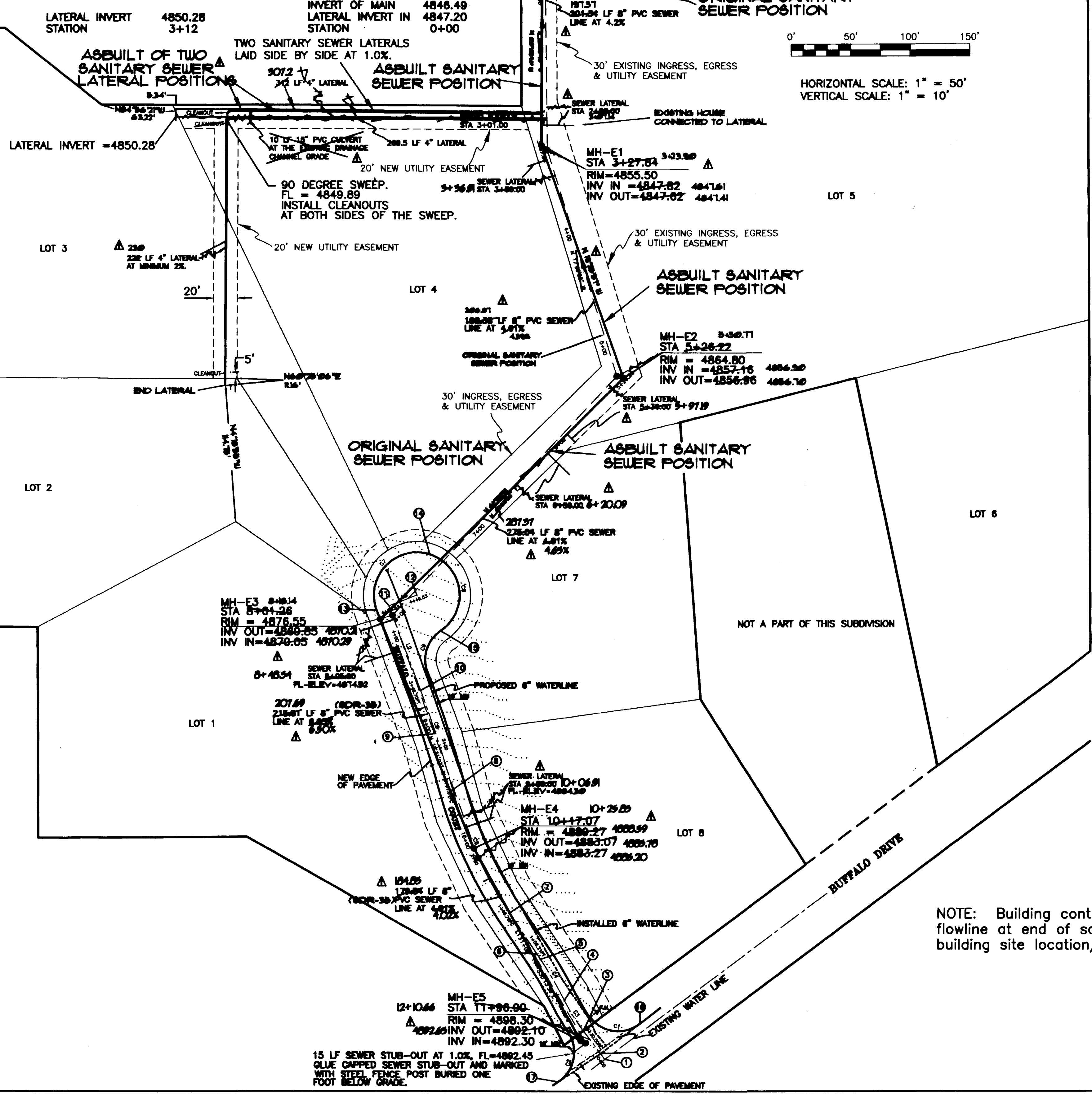
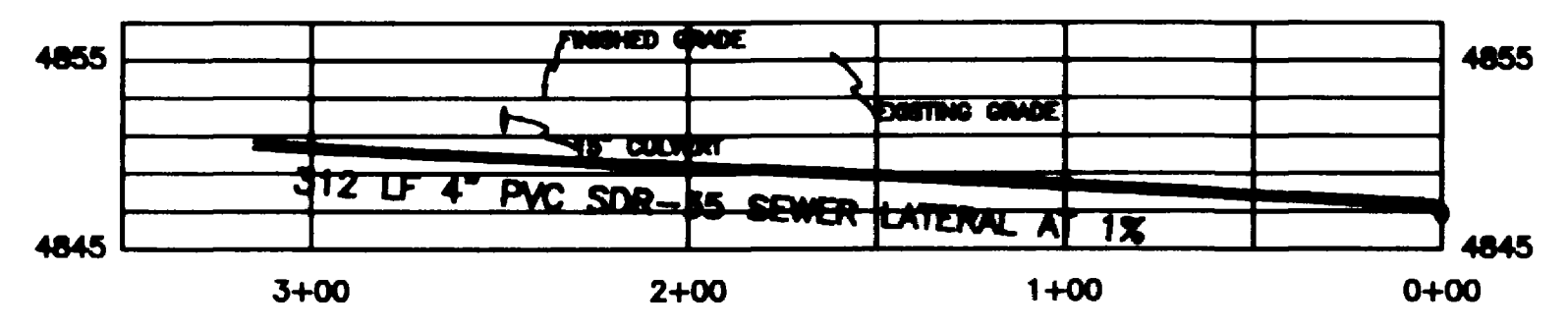


BUFFALO COURT SUBDIVISION

SEWER LATERAL (FOR LOT 3) PROFILE



VERTICAL CURVE DATA

NO.	STA	ELEV	DESCRIPTION
①	0+00.00	4898.96	CL OF BUFF. DR
②	0+5.92	4898.84	MATCH EXIST. GRADE
③	0+30.00	4898.12	PC
④	0+59.82	4897.20	PC
⑤	1+00.00	4895.55	PVI FINISHED GRADE
⑥	1+05.21	4895.28	PT
⑦	1+48.78	4892.85	PC
⑧	2+81.01	4885.15	PC
⑨	3+10.00	4882.06	PVI FINISHED GRADE
⑩	3+48.70	4879.82	PT
⑪	4+24.53	4876.12	TURN POINT
⑫	4+49.53	4875.37	CUL-DE-SAC CENTER
⑬	-----	4875.80	EOP AT PT
⑭	-----	4874.00	EOP AT LOW POINT
⑮	-----	4878.27	EOP AT PT
⑯	-----	-----	MATCH EXISTING GRADE
⑰	-----	-----	MATCH EXISTING GRADE

VERTICAL HORIZONTAL CURVE DATA

LINE	BEARING	DISTANCE
L1	N 34° 08' 27" W	41.55'
L2	S 20° 34' 24" E	75.83'
L3	N 69° 25' 36" E	25.00'

CURVE	TANGENT	RADIUS	ARC LENGTH	CHORD LEN	CHORD BEARING	DELTA ANGLE
C1	31.70'	30.00'	48.78'	43.58'	S 80°39'58" E	93°09'26"
C2	30.52'	30.00'	47.84'	42.79'	N 10°54'19" E	80°58'58"
C3	15.00'	175.81'	29.92'	29.88'	S 31°52'30" E	09°45'00"
C4	22.67'	363.40'	45.29'	45.26'	S 30°34'14" E	07°08'27"
C5	57.63'	351.24'	114.25'	113.75'	S 24°49'20" E	18°38'14"
C6	43.88'	991.07'	87.69'	87.66'	S 18°02'18" E	05°04'11"
C7	74.35'	36.00'	80.63'	64.80'	N 43°35'30" E	128°19'49"
C8	74.35'	36.00'	80.63'	64.80'	S 08°04'41" E	128°19'49"
C9	22.59'	29.00'	38.38'	35.64'	N 18°10'09" E	75°50'09"

APPROVED FOR CONSTRUCTION _____
 COUNTY DEVELOPMENT ENGINEER

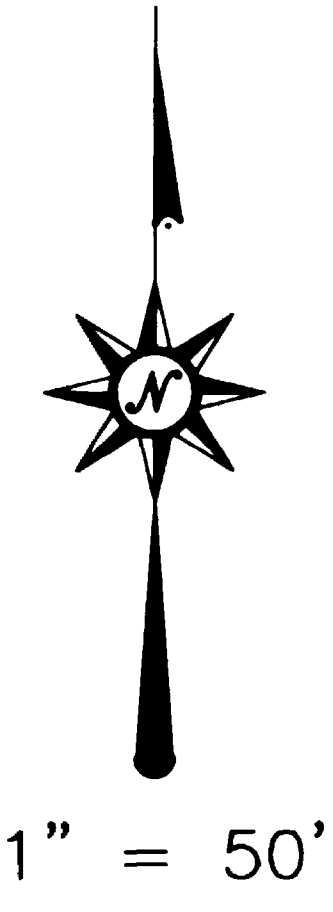
ACCEPTED AS CONSTRUCTED _____
 COUNTY DEVELOPMENT ENGINEER

DATE _____ DATE _____

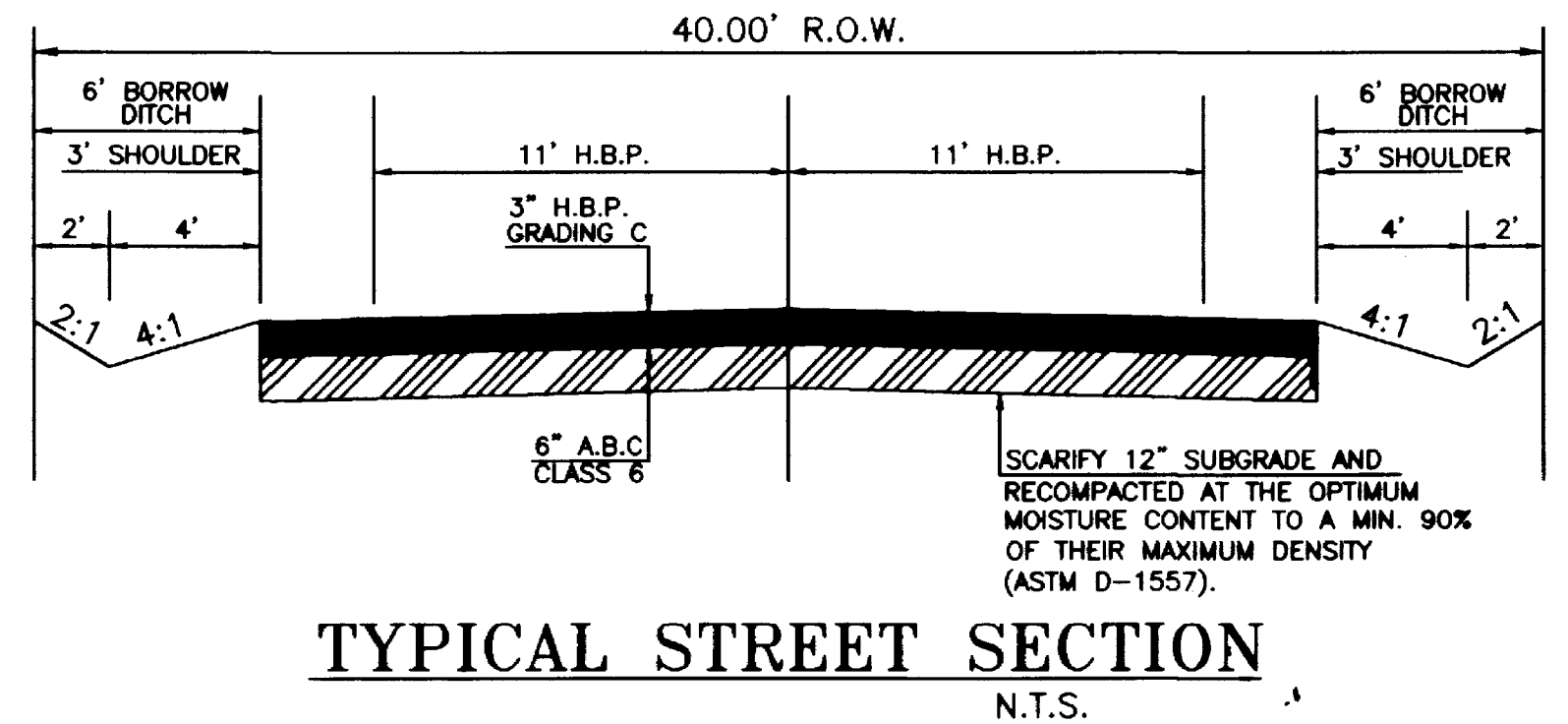
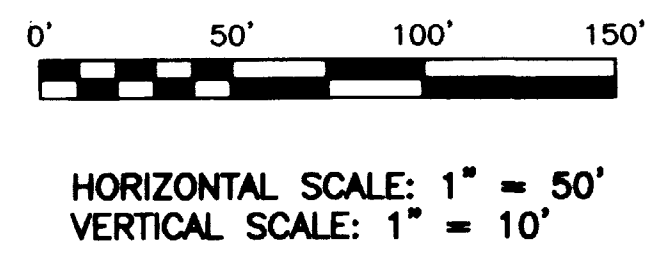
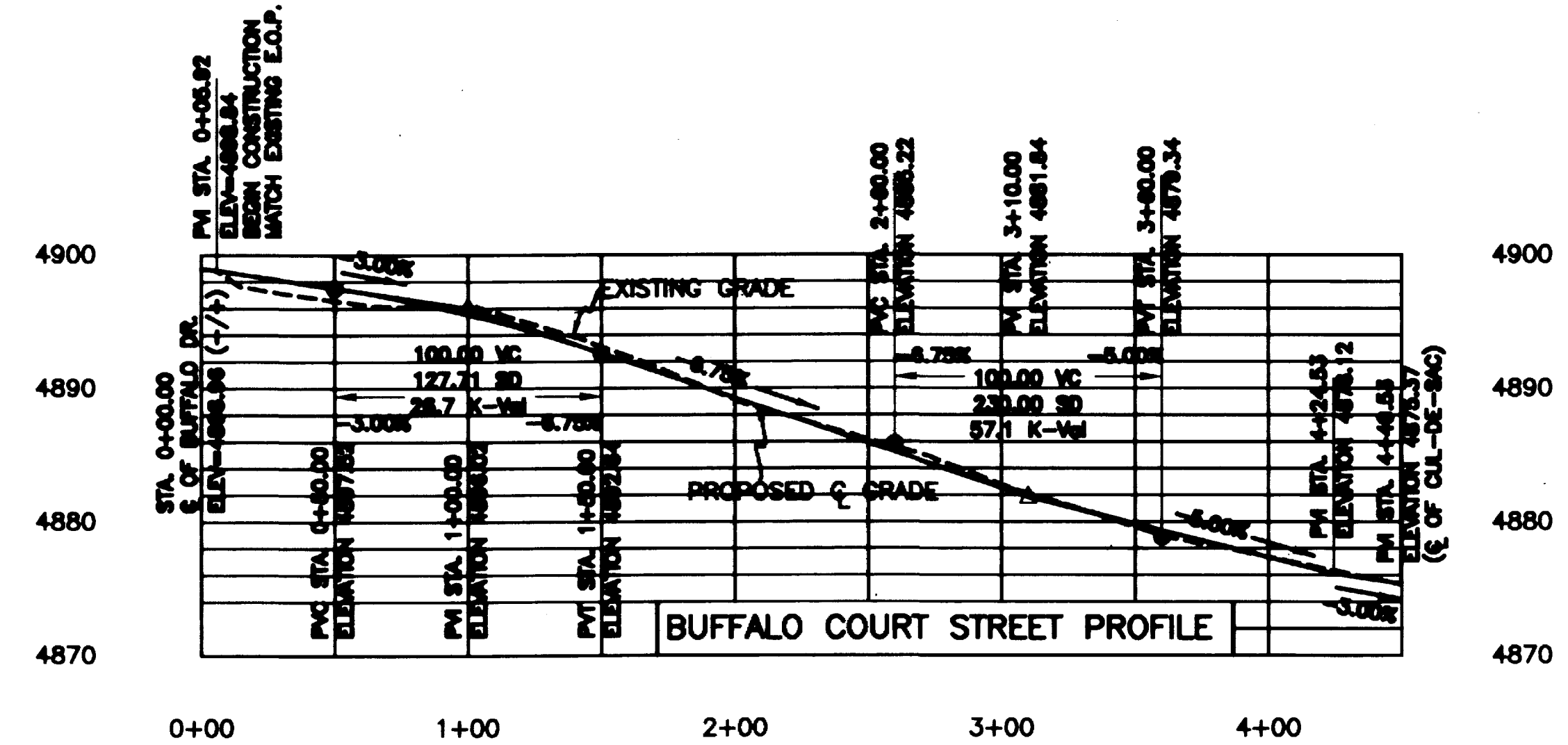
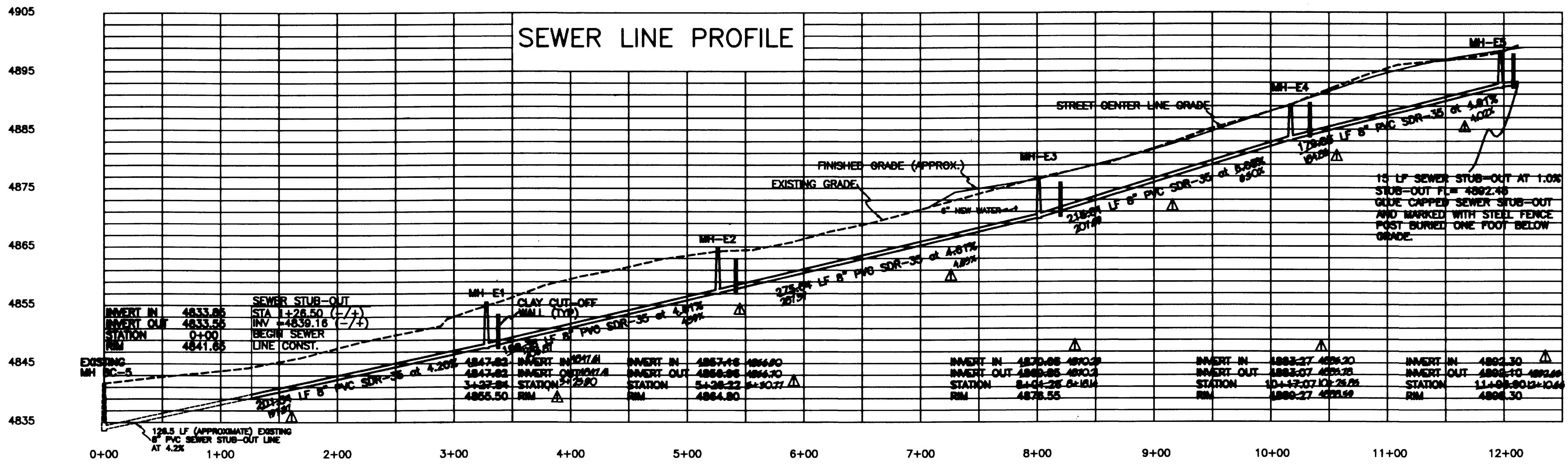
CITY UTILITY ENGINEER _____ CITY UTILITY ENGINEER _____

DATE _____ DATE _____

NOTE: Building contractor needs to field verify flowline at end of sanitary sewer lateral prior to building site location/construction.



	3/10/98 AS BUILT SANITARY SEWER		LC
	FILE: C:\WORK\BUFFALO\BUFFALO.DWG		
SEWER LINE EXTENSION & STREET PLANS FOR BUFFALO COURT SUBDIVISION			
AS BUILT			
MESA COUNTY, COLORADO			
Designed WL	Checked TDR	Date 9/9/97	REV 10/2/97
Drawn WL			Sheet 1 of 3



GENERAL NOTES

- THE CONTRACTOR SHALL HAVE ONE SIGNED COPY OF THE PLANS, AND A COPY OF THE CITY OF GRAND JUNCTION'S STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES.
- SANITARY SEWER PIPE SHALL BE PVC SDR-35 (ASTM 3034) PIPE.
- ALL SEWER MAINS SHALL BE LAID TO GRADE UTILIZING A PIPE LASER.
- ALL SERVICE LINE CONNECTIONS TO THE NEW MAIN SHALL BE ACCOMPLISHED WITH FULL-BODY WYES OR TEES. TAPPING SADDLES WILL NOT BE ALLOWED.
- NO 4" SERVICE LINES SHALL BE CONNECTED DIRECTLY INTO MANHOLES.
- THE CONTRACTOR SHALL NOTIFY THE CITY INSPECTION 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED SEWER LINE TESTING TO BE COMPLETED IN THE PRESENCE OF THE CITY INSPECTOR. PRESSURE TESTING WILL BE PERFORMED AFTER ALL COMPACTION OF STREET SUBGRADE AND PRIOR TO STREET PAVING. FINAL LAMPING WILL ALSO BE ACCOMPLISHED AFTER PAVING IS COMPLETED. THESE TESTS SHALL BE THE BASIS OF ACCEPTANCE OF THE SEWER LINE EXTENSION.
- THE CONTRACTOR SHALL OBTAIN CITY OF GRAND JUNCTION STREET CUT PERMIT FOR ALL WORK WITHIN EXISTING CITY ROAD RIGHT-OF-WAY PRIOR TO CONSTRUCTION.
- A CLAY CUT-OFF WALL SHALL BE PLACED 10 FEET UPSTREAM FROM ALL NEW MANHOLES UNLESS OTHERWISE NOTED. THE CUT-OFF WALL SHALL EXTEND FROM 6 INCHES BELOW TO 6 INCHES ABOVE GRANULAR BACKFILL MATERIAL AND SHALL BE 2 FEET WIDE IF NATIVE MATERIAL IS NOT SUITABLE, THE CONTRACTOR SHALL IMPORT MATERIAL APPROVED BY THE ENGINEER.
- SEWER STUB-OUTS SHALL BE CAPPED, PLUGGED, AND IDENTIFIED WITH A STEEL FENCE POST BURIED 1 FOOT BELOW FINISHED GRADE. AS-BUILT SURVEYING OF STUB-OUT IS REQUIRED PRIOR TO BACKFILL.
- ALL STREET AND SANITARY SEWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF GRAND JUNCTION STANDARD SPECIFICATIONS.
- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE CITY. COMPACTION SHALL BE IN COMPLIANCE WITH THE CITY OF GRAND JUNCTION CONSTRUCTION STANDARDS. THE CITY RESERVES THE RIGHT TO ACCEPT OR REJECT ANY MATERIAL AND WORKMANSHIP THAT DOES NOT CONFORM TO THEIR SPECS.
- A MINIMUM OF 10 FEET SEPARATION SHALL BE MAINTAINED AT ALL TIMES BETWEEN THE WATERLINE AND SEWER SEWER LINE (EXCEPT AT SPECIFIED CROSSINGS).
- SANITARY SEWER LATERALS SHALL BE BUILT AS SHOWN ON THIS PLAN AND SHALL BE GLUE CAPPED AND MARKED WITH 2X4 POST PAINTED GREEN.
- SUBGRADE MUST BE INSPECTED BY THE CITY PRIOR TO PLACEMENT OF BASE MATERIAL.
- BENCHMARK ELEVATION=4831.78 (NE COR. TRACT 30, SECTION 35, T.1 S. R. 101W 6TH P.M.)
- WHEEL CUT EXISTING PAVEMENT TO A STRAIGHT EDGE AT ALL PAVEMENT JOINTS AND TACK PRIOR TO PAVING. MATCH EXISTING GRADES.

APPROVED FOR CONSTRUCTION
COUNTY DEVELOPMENT ENGINEER
DATE _____
CITY UTILITY ENGINEER
DATE _____

ACCEPTED AS CONSTRUCTED
COUNTY DEVELOPMENT ENGINEER
DATE _____
CITY UTILITY ENGINEER
DATE _____

<p>ROLLAND ENGINEERING 405 Ridges Blvd Grand Jct, CO 81503 (970) 243-8300</p>	<p>3/10/98 AS BUILT SANITARY SEWER</p>	LC
	<p>FILE: C:\WORK\BUFFALO\BUFFALO.DWG</p>	
	<p>SEWER LINE EXTENSION AND STREET PROFILES STREET TYPICAL SECTION AND GENERAL NOTES FOR BUFFALO COURT SUBDIVISION AS-BUILT</p>	
	<p>MESA COUNTY, COLORADO</p>	
<p>Designed WL</p>	<p>Checked TDR</p>	<p>Sheet 2</p>
<p>Drawn WL</p>	<p>Date 9/9/97</p>	<p>REV 10/2/97 OF 3</p>