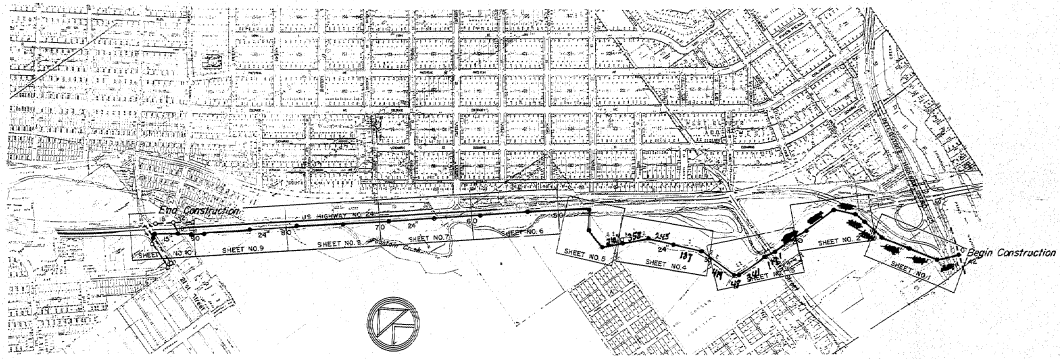
UPPER FOUNTAIN CREEK INTERCEPTER SEWER - PHASE I

COLORADO SPRINGS, COLORADO



VICINITY MAP
SCALE 1" = 600'

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SHEETS 1 - 10	PLAN AND PROFILE
SHEET 11	CONSTRUCTION DETAILS

AS BUILT

27 FEB 80

FOR THE

CITY OF COLORADO SPRINGS
DEPARTMENT OF PUBLIC UTILITIES
WASTEWATER DIVISION

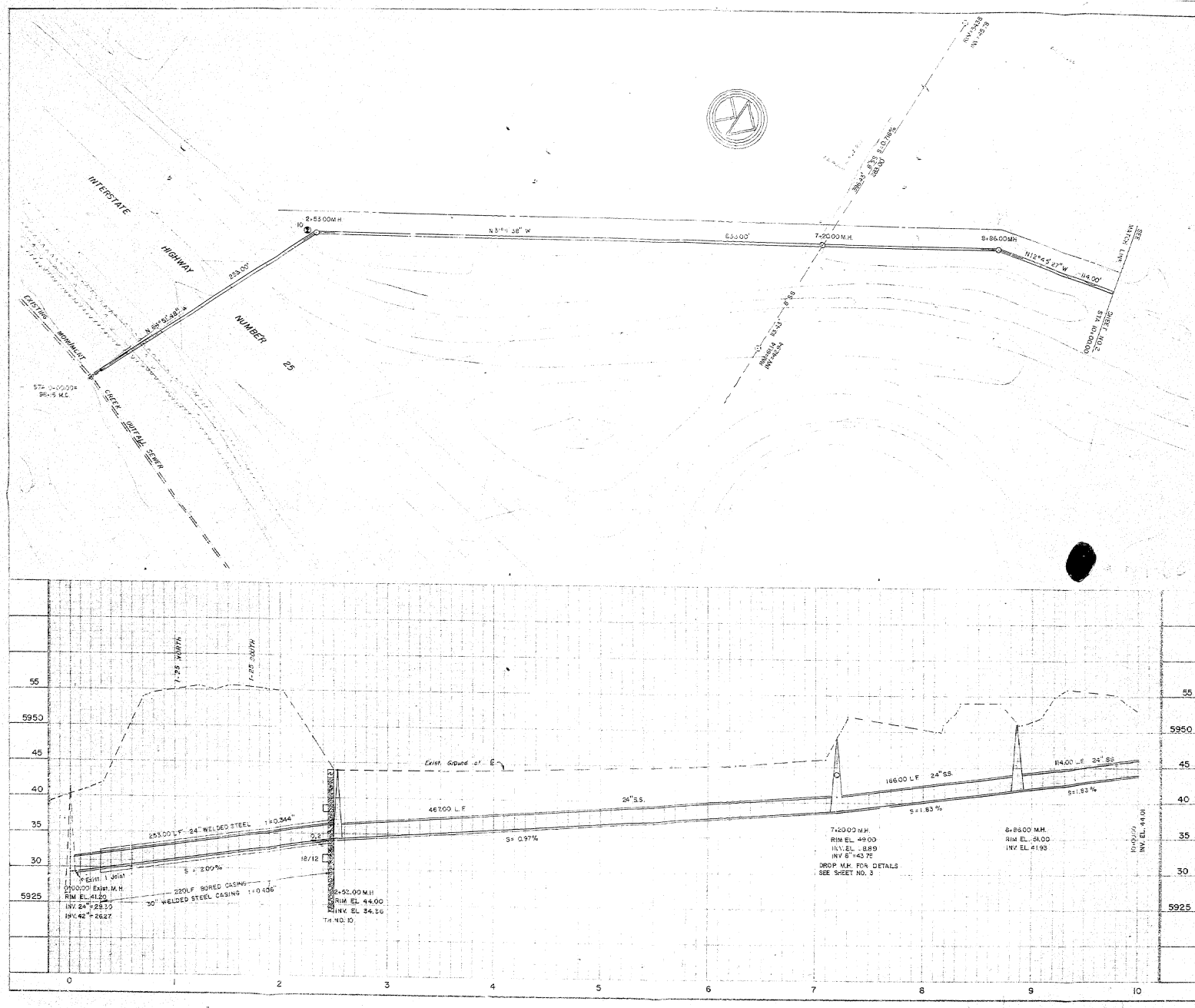
AS BUILT

27 FEB 80

OLIVER E. WATTS PE-LS
CONSULTING ENGINEER
300 GARDEN OF THE GODS ROAD
SUITE NO. 103
COLORADO SPRINGS CO. 80907
303-593-0173

PROJECT NO. 578
BID OPENING _____
SET NUMBER _____

JOB NUMBER 78-1133



APPROVED DATE 11/6/79

BENCH MARK

TEST HOLE LEGEND

TEST HOLES DRILLED 2/13/79

- TOPSOIL
- ASPHALT
- BASE COURSE
- FILL, SAND AND GRAVEL WITH CLAY, SCATTERED TRASH, LOOSE, SLIGHTLY MOIST, MIXED BROWN
- FILL, SILTY SAND, POSSIBLE MILL TAILINGS, MEDIUM DENSE, VERY MOIST, REDDISH BROWN
- SAND (SM), SILTY, MEDIUM DENSE, MOIST, REDDISH-BROWN
- SAND AND GRAVEL (SM-SM) SILT, MEDIUM DENSE TO DENSE, MOIST TO WET, REDDISH BROWN
- SAND AND GRAVEL (SP-SP) SLIGHTLY SILTY, MEDIUM DENSE, MOIST, REDDISH-BROWN
- SAND AND GRAVEL (SC-SC) CLAYEY, MEDIUM DENSE TO DENSE, MOIST TO WET, REDDISH-BROWN
- CLAY (CH) SANDY, OCCASIONAL GRAVEL, VERY STIFF, MOIST, BROWN
- UNDISTURBED DRIVE SAMPLE, THE SYMBOL 34/12 INDICATES THAT 34 BLOWS OF A 140-POUND HAMMER FALLING 30 INCHES WERE REQUIRED TO DRIVE THE SAMPLER 12 INCHES
- AUGER SAMPLE
- DEPTH AT WHICH HOLE CAVED
- DEPTH TO FREE WATER AND NUMBER OF DAYS AFTER DRILLING MEASUREMENT WAS TAKEN
- WC WATER CONTENT (%)
- DD DRY DENSITY (PCF)
- LL LIQUID LIMIT (%)
- NP NON-PLASTIC
- -200- % PASSING NO. 200 SIEVE
- PI PLASTICITY INC

NOTES

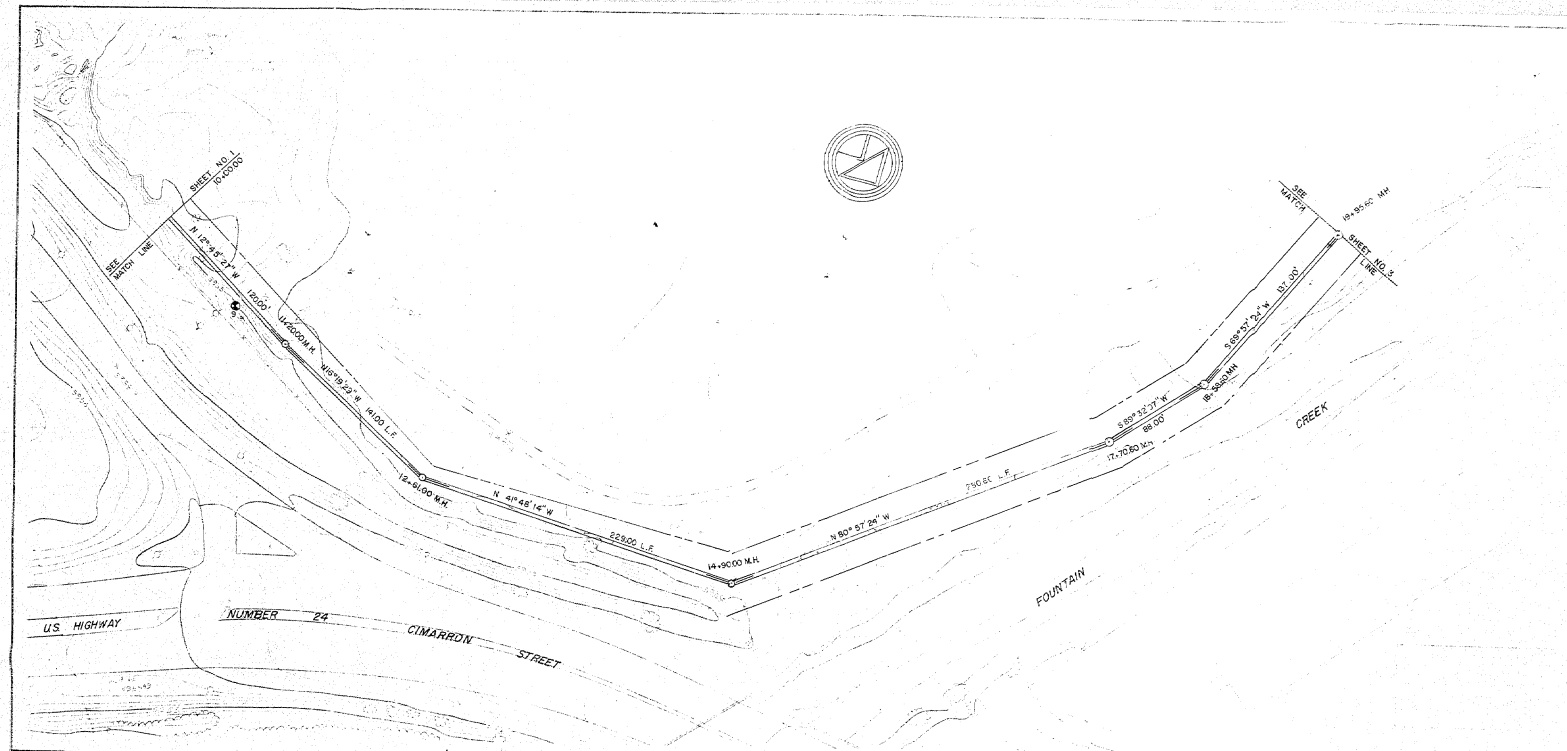
- TOPOGRAPHY BY SCHARF AND ASSOC. LINE
- 2 COORDINATES BASED ON CENTRAL COLORADO ZONE LAMBERT CONICAL PROJECTION
- VERTICAL CONTROL BASED ON U.S.G.S. MEAN SEA LEVEL DATUM, 1929 ADJUSTMENT
- UTILITY INFORMATION
- -W- WATER LINE
- -SS- SANITARY SEWER
- -G- GAS LINE
- -T- TELEPHONE LINE
- -E- ELECTRIC LINE
- CATV CABLE TELEVISION
- COT. TEST HOLE
- SURVEY LINE
- EASEMENT LIMIT

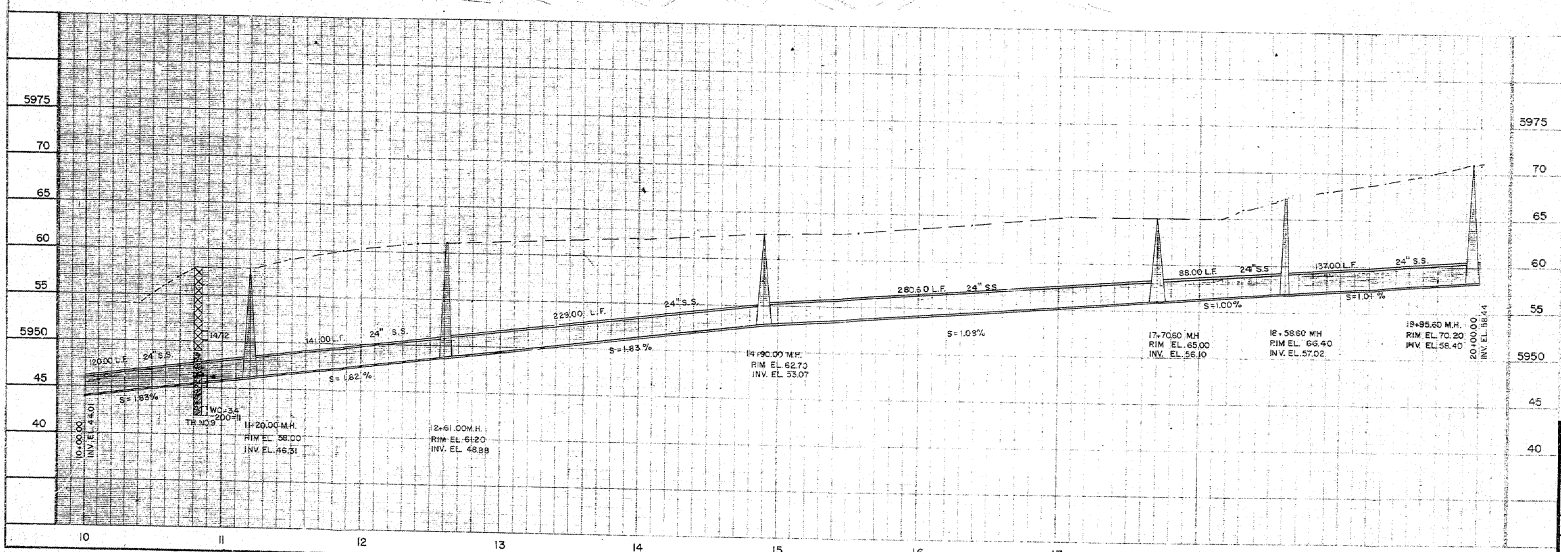
AS BUILT

AS-BUILT DRAWING 2/21/80 LEB

JOB NO. 78 / 1133	FOUNTAIN CREEK INTERCEPTER SEWER PHASE I
FROM 0-00.00	TO 10+00.00
SCALE: Vert. 1"=6' Horiz. 1"=40'	APPROVED BY O.E. Watts PE 9853 — PLAN BY OEW — DRAWN BY OEW
SURVEYED BY SCHARF TOPO	CHECKED BY LEB — SHEET 1 OF 11

OLIVER E. WATTS
CONSULTING ENGINEER
Colorado Springs, Colorado

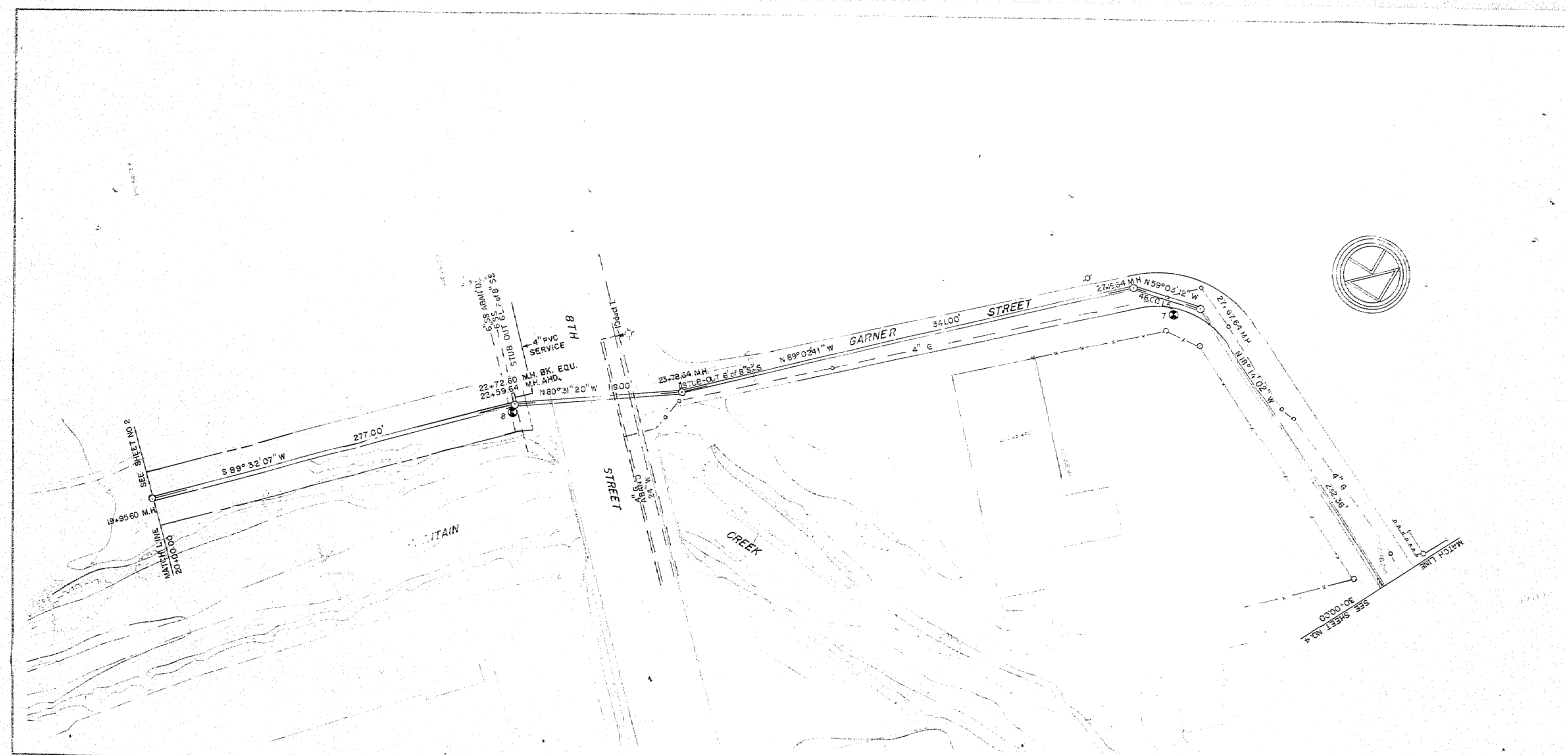


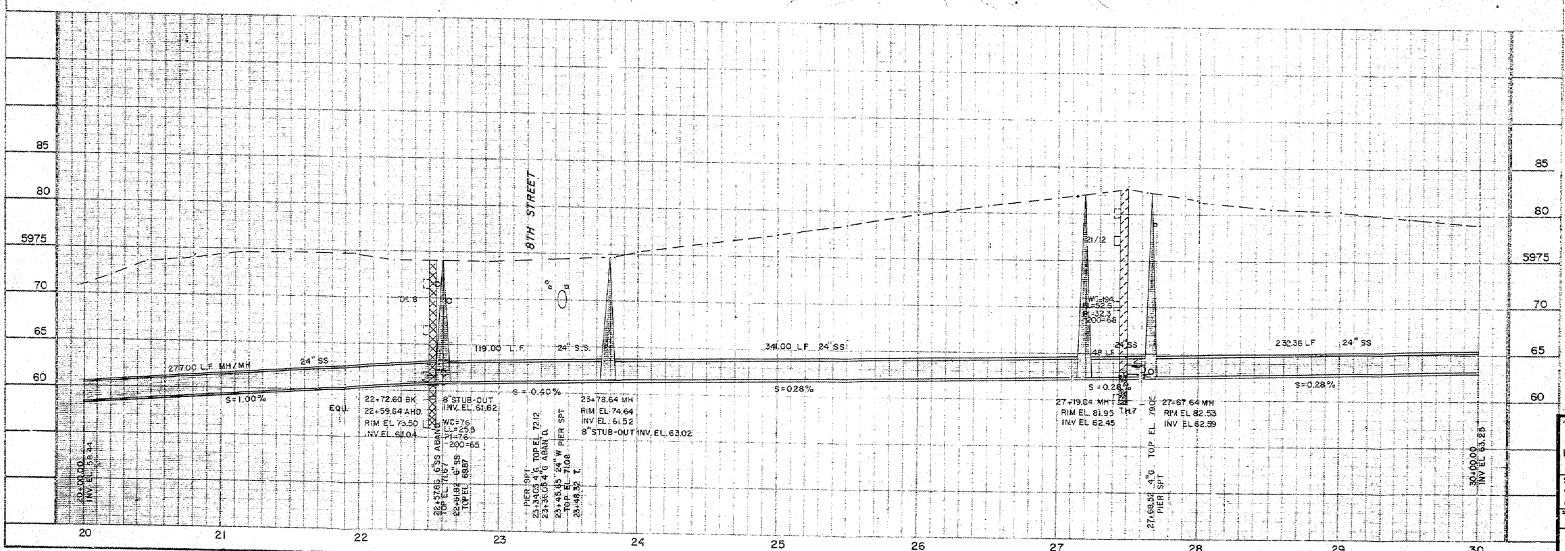


AS BUILT

AS-BUILT DRAWING 2-21-80 LEB
REV. ALIGN. 14+95.25 TO 20 9-17-79 OEW

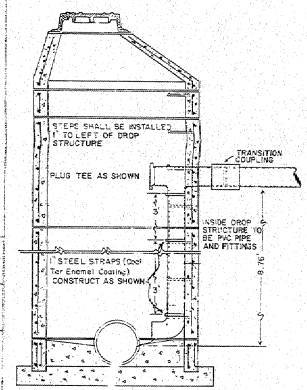
JOB NO. 78 1133	FOUNTAIN CREEK INTERCEPTER SEWER PHASE 1
	FROM 10+00.00 TO 20+00.00
SCALE: Vert. 1"=6' Horiz. 1"=40'	APPROVED BY O.E. Watts PE 9853
	PLAN BY OEW
	DRAWN BY OEW
SURVEYED BY SCHARF TOPO	CHECKED BY LEB
OLIVER E. WATTS CONSULTING ENGINEER Colorado Springs, Colorado	SHEET 2 OF 11





APPROVED DATE 4/3/80
SIGNED [signature]
SEWER DEPARTMENT

BENCH MARK
X ON SW COR HDWL
CULVERT OVER FOUNTAIN CREEK
ELEV. 5974.60

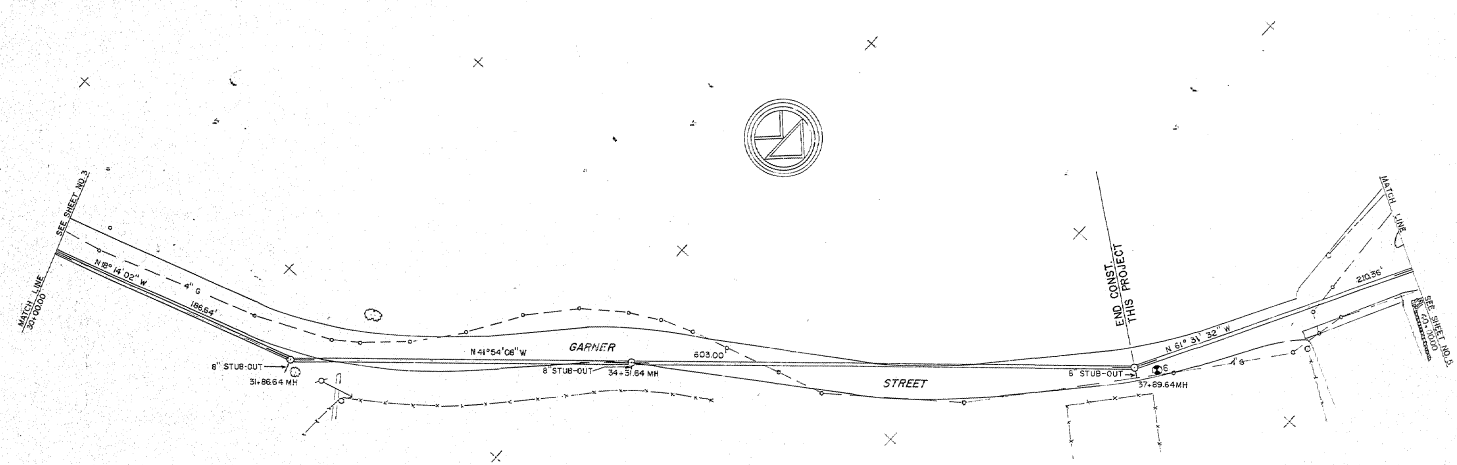


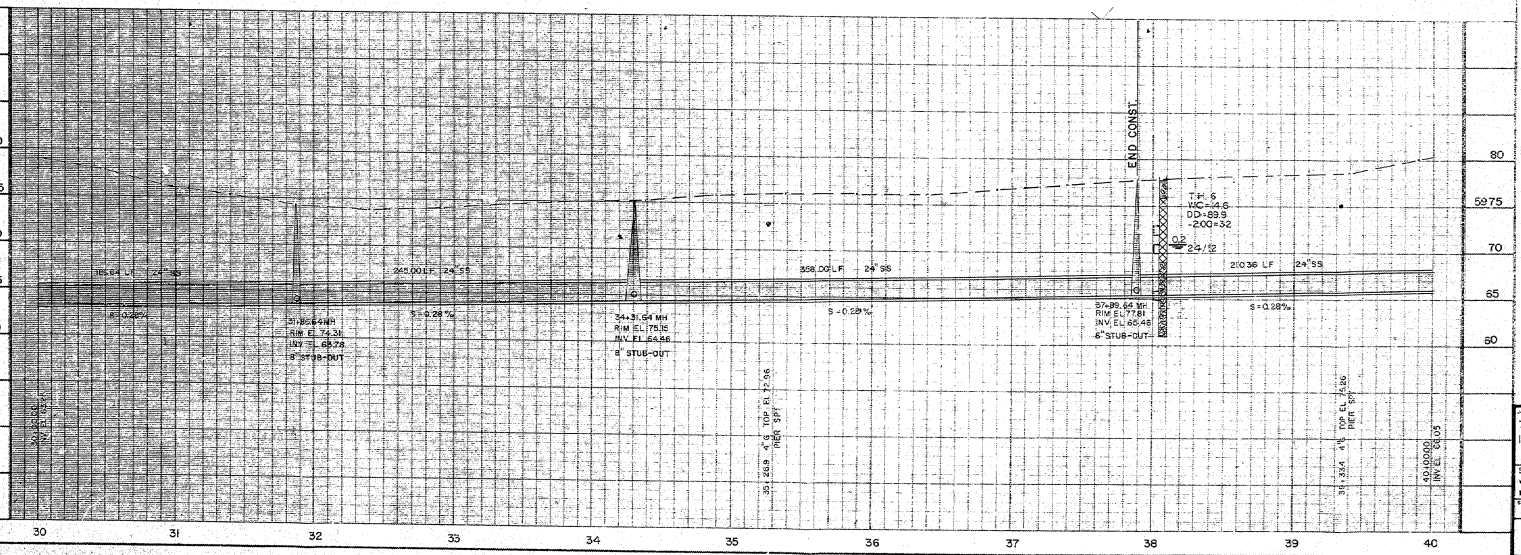
DROP MANHOLE DETAIL
(TYPICAL ALL INSIDE DROP-MANHOLES)

AS BUILT

AS-BUILT DRAWING 2/21/80 LEB
REV. ALIGN. 20 TO 22+74.25 CREW

JOB NO 78 / 1133	FOUNTAIN CREEK INTERCEPTER SEWER
	PHASE I
	FROM 20+00.00 TO 30+00.00
SCALE: Vert.: 1"=6' Horiz.: 1"=40'	APPROVED BY: O.E. Watts PE 9653 — PLAN BY: OEW — DRAWN BY: OEW
SURVEYED BY: SCHARF	CHECKED BY: LEB
OLIVER E. WATTS CONSULTING ENGINEER Colorado Springs, Colorado	SHEET 3 of 11





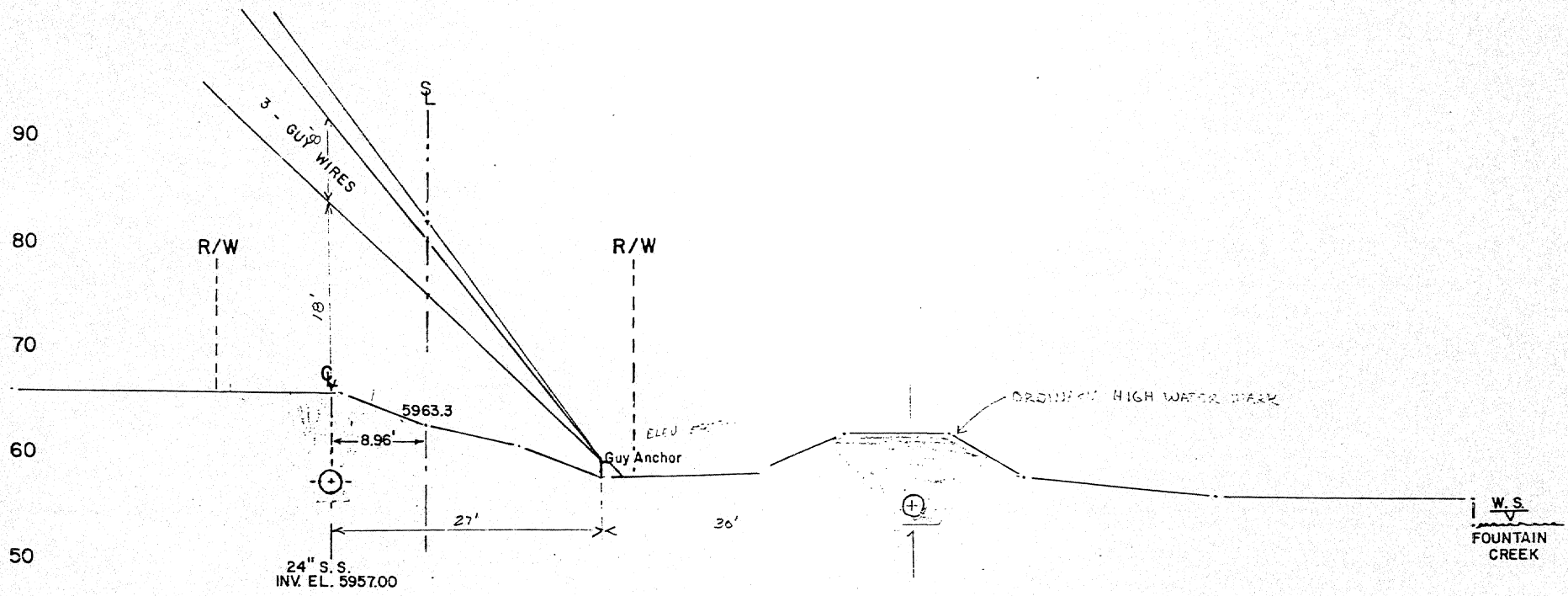
APPROVED DATE 6/5/79
SIGNED SEWER DEPARTMENT

BENCH MARK

AS BUILT

AS-BUILT DRAWING 2/21/80 LEB

JOB NO. 78 1133	FOUNTAIN CREEK INTERCEPTER SEWER PHASE I
	FROM 30+0000 TO 40+0000
SCALE: Vert.: 1"=8' Horiz.: 1"=40'	APPROVED BY: Oliver E. Watts PE 9853
	PLAN BY OEW
	DRAWN BY OEW
SURVEYED BY FEHRMAN UP&E	CHECKED BY LEB
	OLIVER E. WATTS CONSULTING ENGINEER Colorado Springs, Colorado
	SHEET 4 of 11



ANTICIPATED TRENCH
MAXIMUM TRENCH

FOUNTAIN CREEK INTERCEPTER SEWER
PHASE I
CROSS SECTION, STATION 18+27
(KRDO Guy Anchor)

OLIVER E. WATTS, CONSULTING ENGINEER