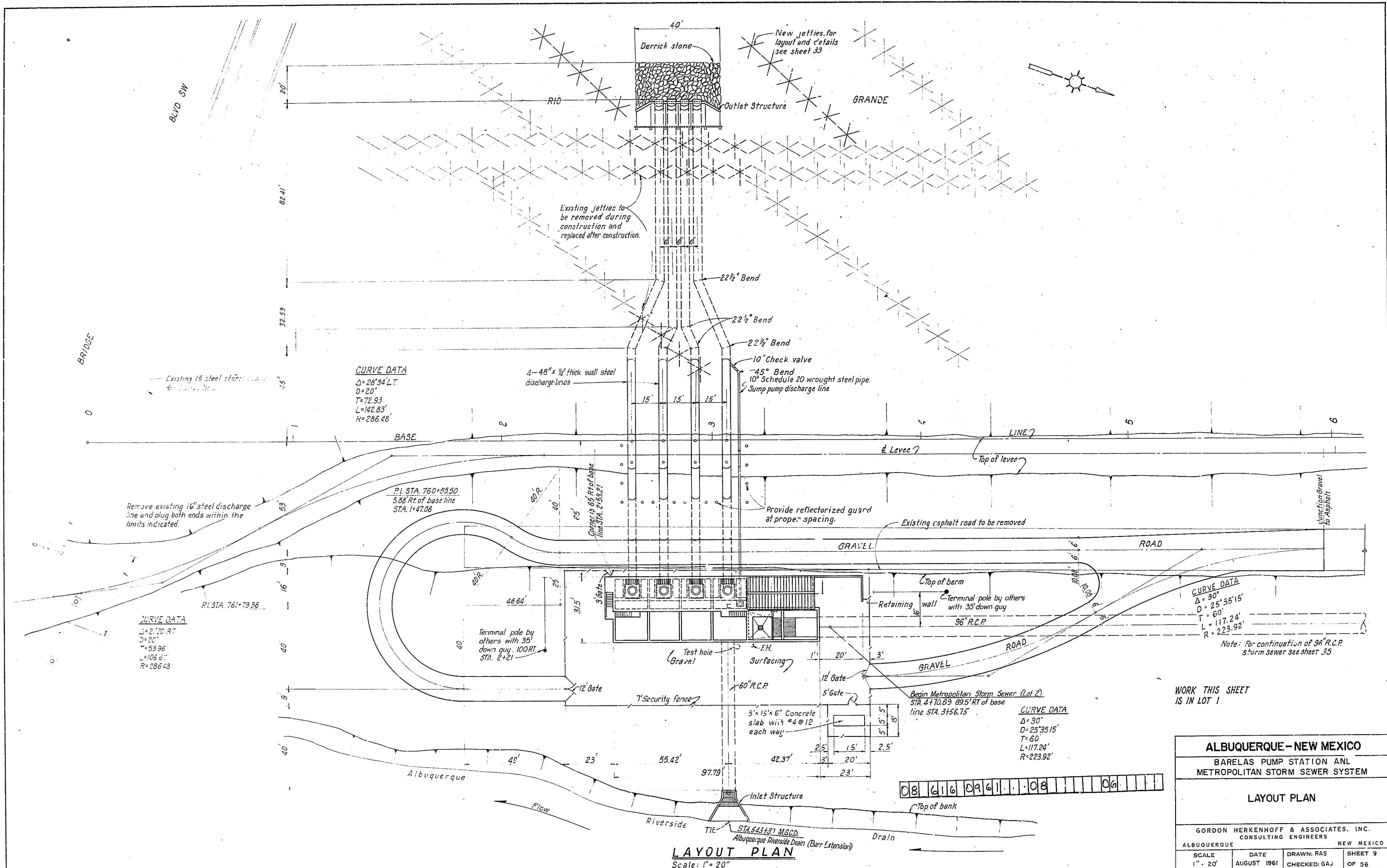
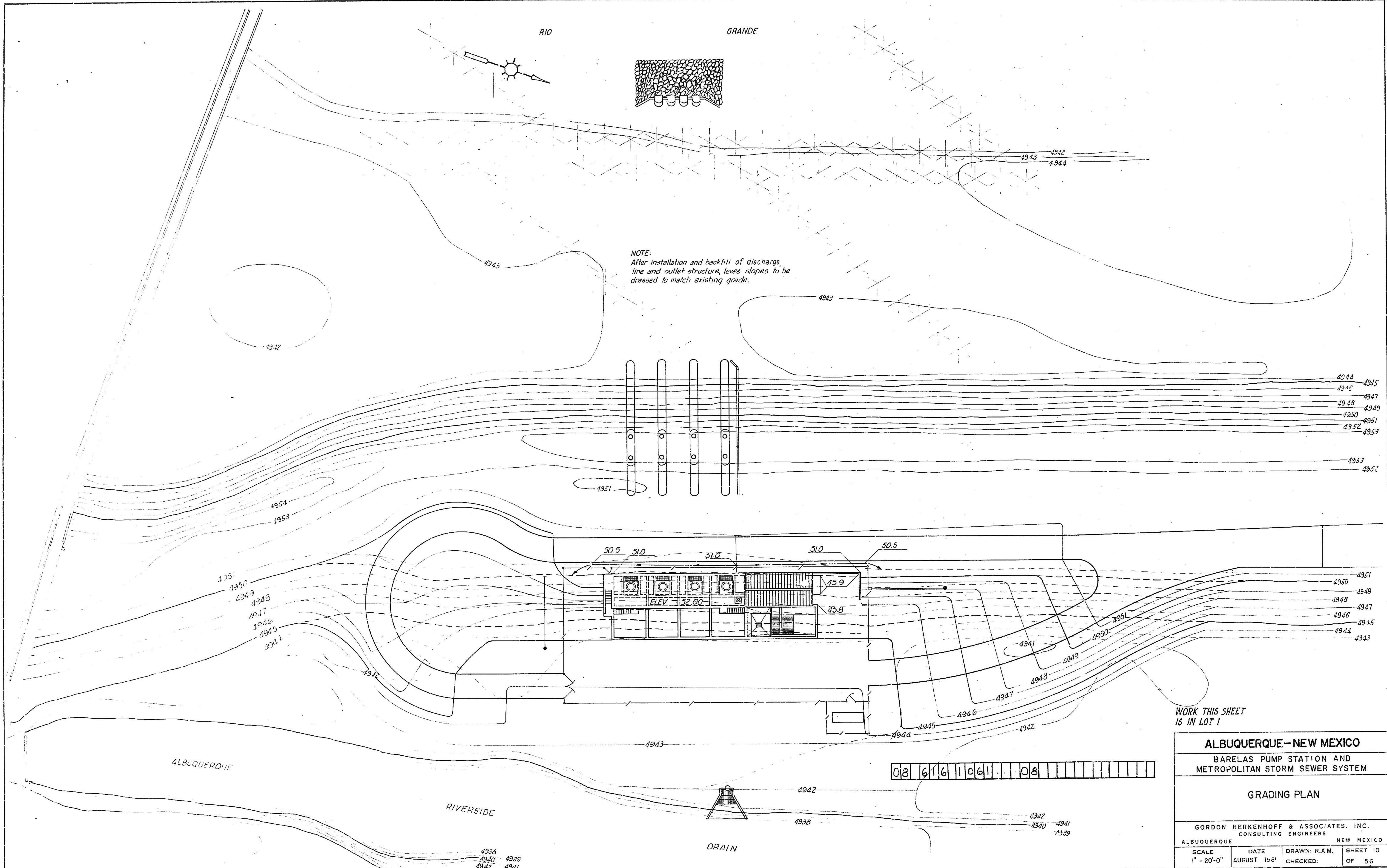
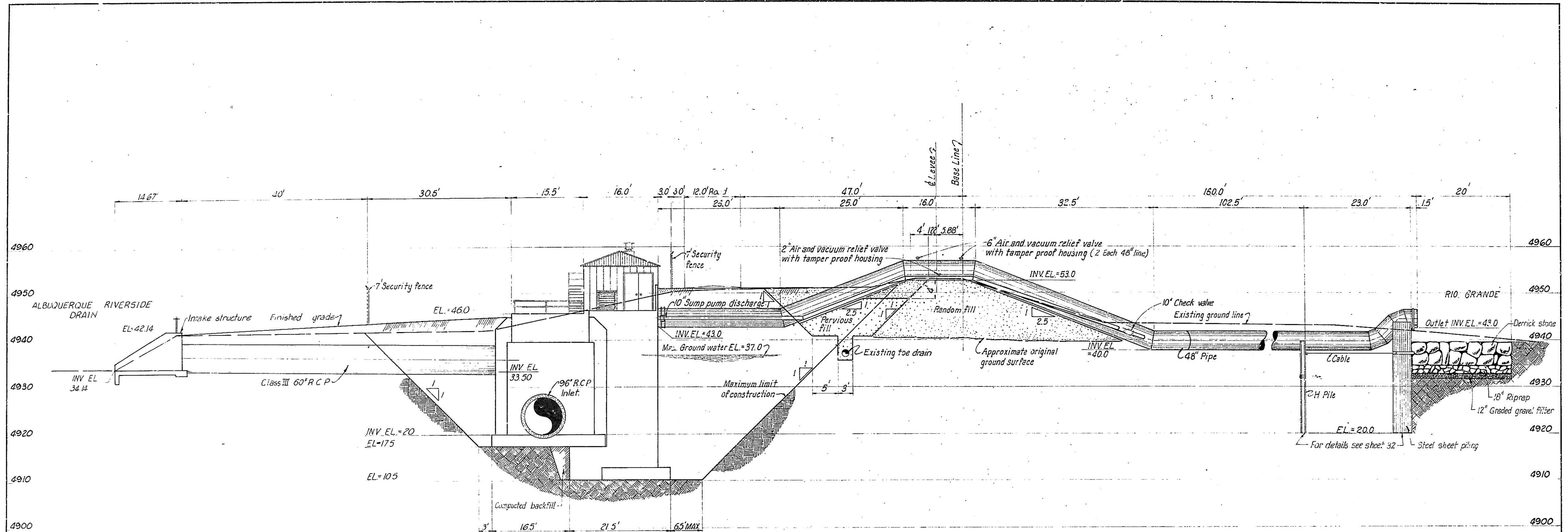






WORK THIS SHEET
IS IN LOT 1

ALBUQUERQUE--NEW MEXICO			
BARELAS PUMP STATION AND METROPOLITAN STORM SEWER SYSTEM			
GRADING PLAN			
GORDON HERKENHOFF & ASSOCIATES, INC. CONSULTING ENGINEERS			
ALBUQUERQUE		NEW MEXICO	
SCALE 1" = 20'-0"	DATE AUGUST 1951	DRAWN: R.A.M. CHECKED:	SHEET 10 OF 56



NORTH ELEVATION SECTION
Scale 1"=10'

GENERAL DESIGN AND CONSTRUCTION NOTES - LOT 1

DESIGN DATA:

- Maximum allowable soil bearing = 3000 psf.
- Loads:
 - Wind: 20 psf
 - Snow: 15 psf
 - Floor, live loads:
 - Main Sump Deck: 200 psf slab design, 100 psf beam design.
 - Grating, Elevation 4940: 100 psf
 - Stairs and walkways: 100 psf
 - Equipment loads and thrusts per manufacturer's data.
- Reinforcing steel: ASTM A15 and A305 intermediate grade. Minimum concrete cover in accordance with A.C.I. code where not shown.
- Structural steel: ASTM A7
- Concrete:
 - Inlet channel, side channel and sump structure - class AA, 4000 psi minimum compressive strength @ 28 days.
 - Retaining wall, footings and floor slab for metal building, intake structure at Riverside drain and all other concrete items lot 1 - Class A, 3000 psi minimum compressive strength @ 28 days.

CONSTRUCTION:

- Excavation shall be confined to minimum limits practicable and in no case shall extend into levee protective works beyond limits shown. Previous fill removed from back of levee shall be replaced in manner and material to equal original condition.
- Backfilling shall be done in strict accordance with the specifications. Backfilling under structures such as inlet channel and side channel slabs, floor slab, footings and retaining walls at metal control building shall be placed in 6" layers of select material and compacted to 98% maximum density to the standard specified.
- No concrete shall be placed in water.
- Concrete for inlet channel, side channel and sump structure shall be placed monolithically. No vertical joints will be permitted in or between these structures. Horizontal joints may be located as shown on sheets 14, 15, 16 or may be located other than shown at the contractor's option with the approval of the Engineer. All horizontal construction joints shall be keyed and those below elevation 4940.0 shall be provided with continuous waterstops. Concrete shall be placed at such rate so that no cold joints occur between horizontal construction joints.
- All piping and conduit runs from Control Building through north wall of sump structure shall be centered in and run through loose fitting sleeves one inch larger in diameter and caked.
- Second stage concrete as noted in inlet channel may be placed with initial pour at the option of the Contractor.

EL 4942

N	
9	Loose to firm uniformly graded medium to fine sand with traces to little silt and few scattered cobbles 20' to 25'
14	
13	
6	
9	
18	Firm fairly well graded sand & small size gravel
20	
11	
9	
32	Some cobbles 25' to 30', Clay lens 30' to 37'
15	
19	
40	Sandy gravel and cobbles
50	

"N" is equal to the number of blows required to drive a 2" O.D. 1.375" I.D. standard split spoon sampler thru a vertical distance of 1' using a 140 lb hammer with a free fall of 30". Penetration count at 6" intervals listed in margin to right of penetration test results. All recovered samples were saturated.

BORING LOG OF TEST HOLE
Scale 1"=10' Vertical

**WORK THIS SHEET
IS IN LOT 1**

ALBUQUERQUE--NEW MEXICO			
BARELAS PUMP STATION AND METROPOLITAN STORM SEWER SYSTEM			
NORTH ELEVATION			
GORDON HERKENHOFF & ASSOCIATES, INC. CONSULTING ENGINEERS			
ALBUQUERQUE	NEW MEXICO		
SCALE	DATE	DRAWN: RAS	SHEET 11
AS SHOWN	AUGUST 1961	CHECKED:	OF 36

08 616 1161 08