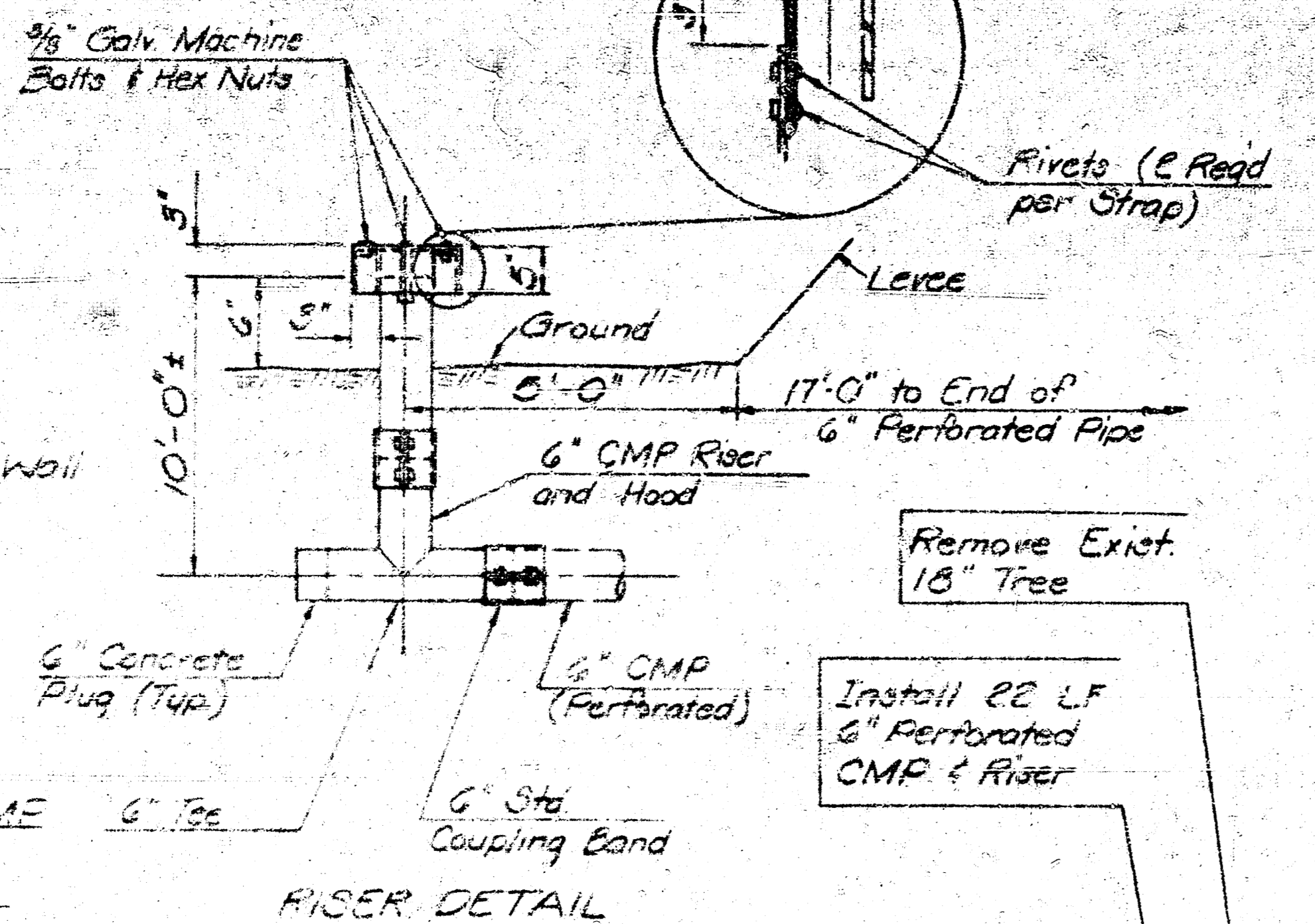


Graded Sand, as noted below, shall meet the following gradation requirements:

SIEVE SIZE	% PASSING
3/8"	100
No. 4	95 - 100
No. 10	85 - 100
No. 30	10 - 30
No. 100	0 - 5

3/8" Galv. Machine Bolts & Hex Nuts

1/2" x 1/2" x 10" Galv. Steel Strap (4 Req'd)  
1" O.D. Cover 10 Ga. Galv. Metal

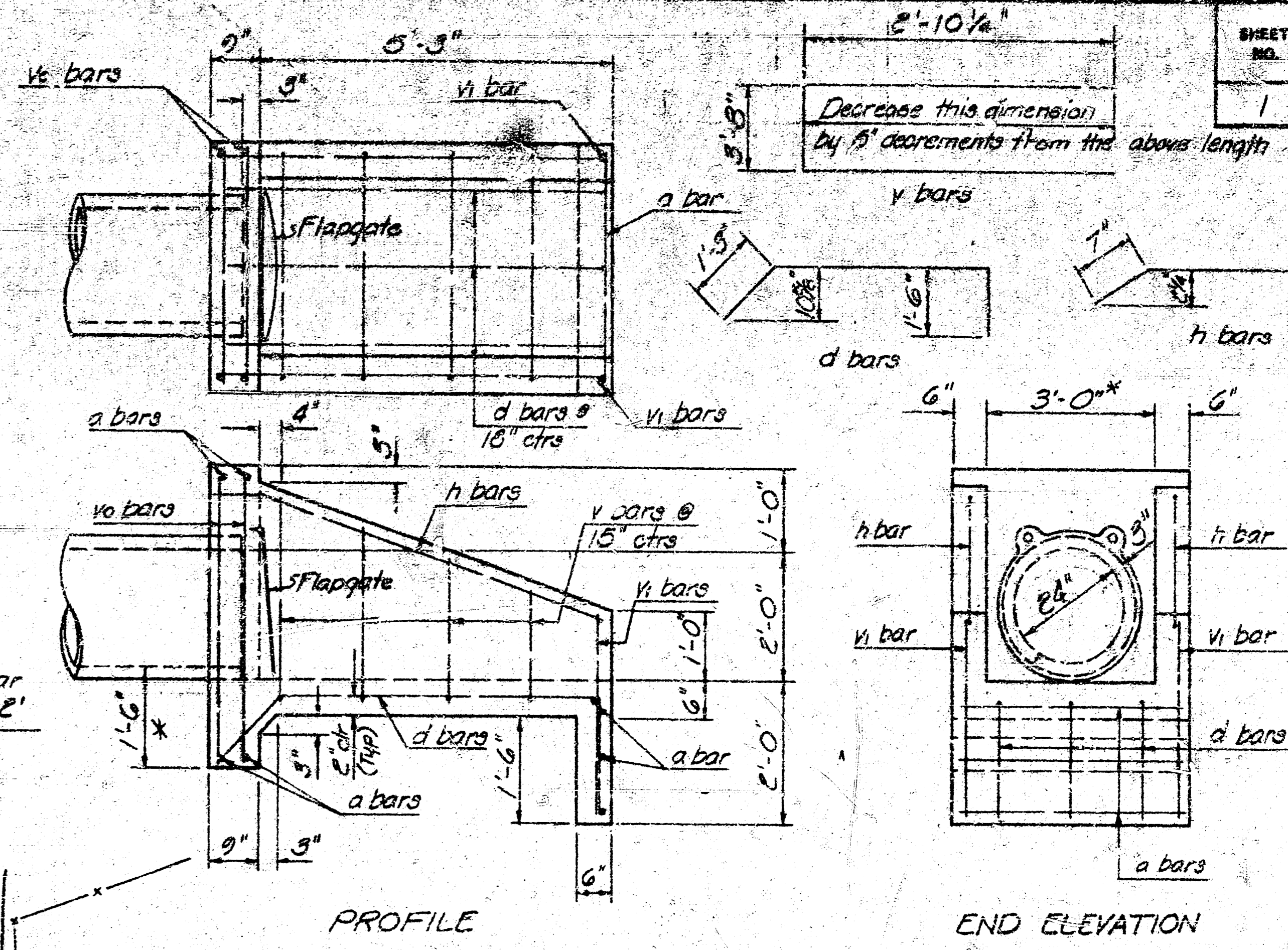


TRENCH DETAIL  
TOE DRAIN DETAILS

LIST OF BARS DIMENSIONS & QUANTITIES

Bar	a	d	h	v	v1	v2
Number	7	3	2	4	4	2
Length	3'-8"	7'-6"	3'-11"	4'-0"	2'-8"	2'-8"

\* See Bending diagram for these values.  
\* NOTE: Dimensions and Quantities may vary to comply with flaggate manufacturers requirements.  
All bars are #4.



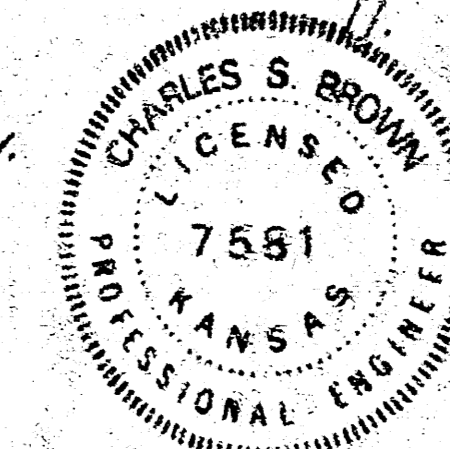
GENERAL NOTES

- Contractor shall verify utility locations and depths prior to commencing work. Any relocation required will be at the owner's expense.
- Contractor shall determine property line location prior to commencing work. North edge of pavement shall be located on the property line.
- All elevations based on Mean Sea Level (MSL) Datum.
- All spot elevations shown are top of proposed pavement.
- Seeding shall be accomplished between Aug. 15 and Sept. 30 or Feb. 15 and Apr. 20. Application rates are as follows: 350 lbs/acre Fertilizer (12-24-12); 10 lbs/acre Bromegrass Seed; 6 lbs/acre Sand Coregrass Seed; 6 lbs/acre Smoothgrass Seed; 10 lbs/acre Annual Rye Grass Seed; 2 tons/acre Prairie Hay Mulch.
- All trenching between Sta. 10+00 and Sta. 14+65 may be done by open cut and will be sand backfilled, jetted and the 12" of the trench shall be replaced with acceptable material and compacted to 95% density (AASHTO T-99) with mechanical tampers.
- Backfill of trench between Sta. 8+10 and Sta. 10+00 shall be excavated material compacted to 95% of standard AASHTO density at ± 3 percent of optimum moisture content. Backfill shall be placed in 4" max. lifts if hand tamped or 8" max. lifts if machine compacted.
- All work within Wichita-Valley Center Flood Control (WVCFC) right-of-way shall be coordinated with the Director of WVCFC.
- Contractor shall construct a temporary cofferdam during levee cut to protect property from flooding. Contractor shall provide the WVCFC office a list of equipment available at the site on a 24-hour basis should a flood emergency arise.
- Graded sand backfill required for perforated drain shall be placed in 6" maximum lifts and machine tamped to 70% of relative density as determined by ASTM D 2009-12. Pipes may be RCP or CMP Fully Paved.

Scale: 1" = 50'

LEGEND

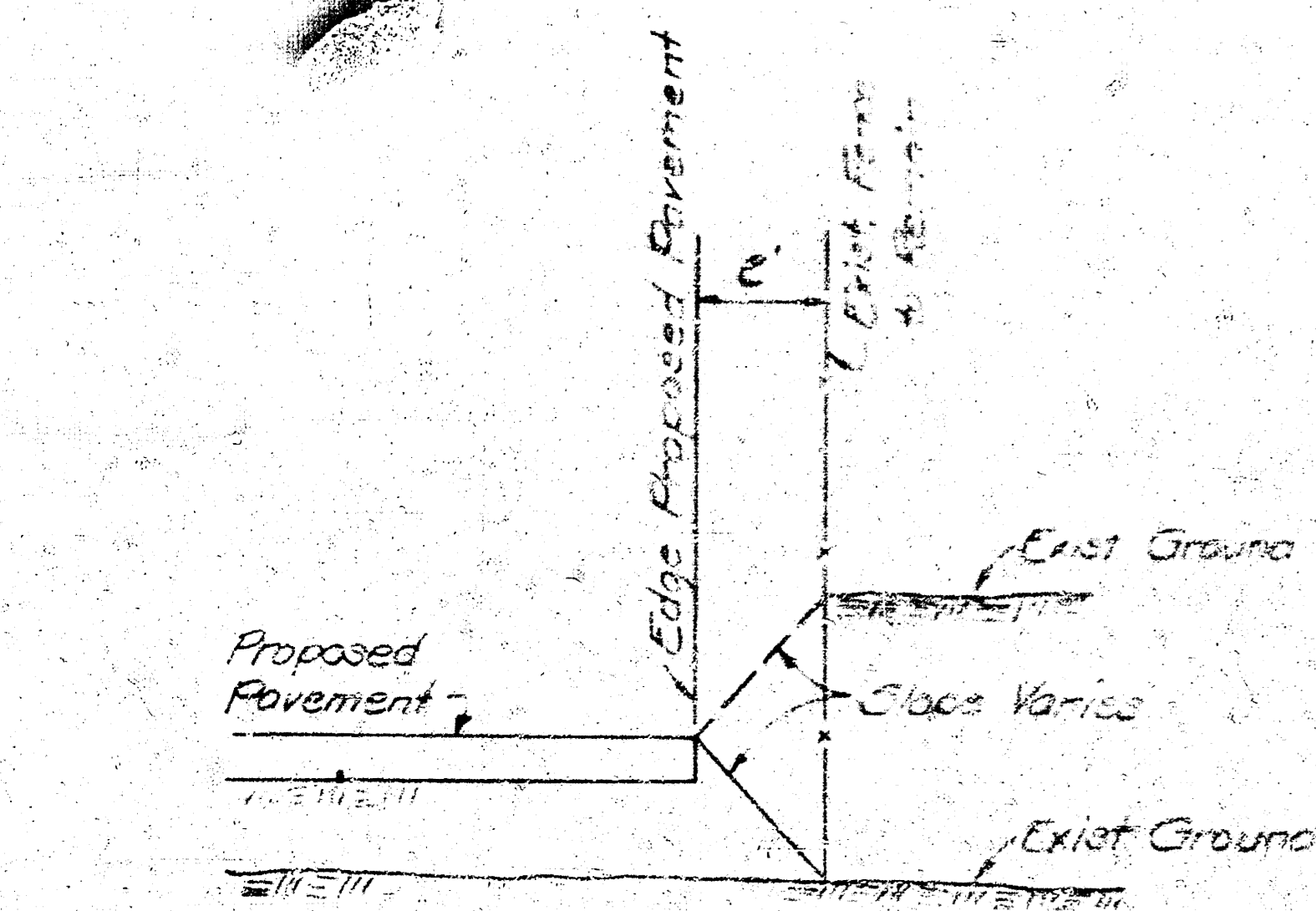
- Edge Exist. Building
- Remove & Replace Exist. Pavement
- Overlay Exist. Pavement
- Exist. Contour
- Fire Hydrant
- Water Valve
- Proposed Spot Elev. (Top Pavement)



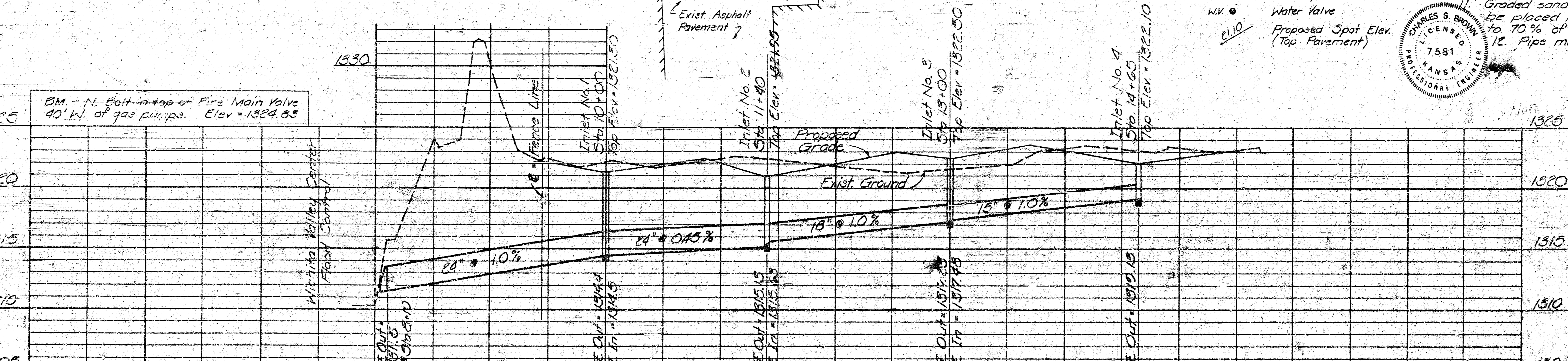
APPROVED *Charles S. Brown* WICHITA - VALLEY CENTER FLOOD CONTROL OFFICE

APPROVED (NOTED)  
B. L. ...  
Sanitary sewers  
Storm Sewers: V.P.R. 6/13/74

NOTE TO CONTRACTOR  
This project is to be done in accordance with the specifications...



SECTION A-A



No.	Revision	By	Date
1	As per Corps of Engineers Review	SG	8/1/74

LOVE BOX COMPANY  
PAVING & STORM DRAIN IMPROVEMENTS  
CITY PROJECT NO. 472-76245-80558-000-000  
DEAN E. NORRIS, INC.  
PROFESSIONAL ENGINEERING CONSULTANTS, P.C.  
ENGINEERS  
WICHITA, KANSAS