

SANITARY SEWER PUMP STATION & FORCE MAIN IMPROVEMENTS to serve **RIDGE PORT ADDITION** CITY OF WICHITA, KANSAS

Michael E. Lindohak, P.E. City Engineer

Project Number

468-82836

Index Code:

743536

GENERAL NOTES:

- Contractor will be required to provide notice to utility companies a minimum of twenty-four (24) hours prior to any excavation, as follows:
Kansas One-Call 687-2470
The Contractor must notify the following in case of an emergency:
Multimedia Cablevision 262-0661
K.P.L. Gas Service Company 353-9650
Kansas Gas & Electric Company 383-6600
Peoples Gas Company 942-8350
Southwestern Bell Telephone Company 1-571-2611
City of Wichita Water Dept. 268-4908
City of Wichita Traffic Engineering 269-4446
- Underground utility service lines and overhead utility pole lines are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
- Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.
- The Contractor shall give all property owners and/or tenants of developed property abutting the construction of this project a minimum of ten (10) days advance notice prior to start of construction.
- The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.
- All areas disturbed by construction operations shall be seeded with ryegrass at a rate of 300 lbs./acre immediately following construction in that area. Prior to seeding, area shall be prepared per City specs.
- The Contractor shall be responsible for coordination of gas and electrical service to be extended and connected to the pump station site as necessary.
- The lump sum price bid for furnishing and installing pump station and miscellaneous appurtenances complete in place shall include all costs for furnishing and installing the pump station module as indicated on the site plan complete in place and in operation. Such lump sum bid shall include the cost of constructing and/or installing compacted subgrade, concrete pad, power pole, electrical conduit, electrical wiring, disconnect switch, electrical power supply, natural gas fuel supply, piping, earthwork, reinforced concrete valve vault, fiberglass building, compacted fill, finished grading and any other incidentals necessary to complete the work.
- The Contractor shall also be responsible for the activation and implementation of the pump station to full operational condition as required for acceptance by the City of Wichita.
- The Contractor shall provide appropriate signage for the 6" force main as required by the City of Wichita. Cost of signage shall be incidental to L.F. 6" Force Main.

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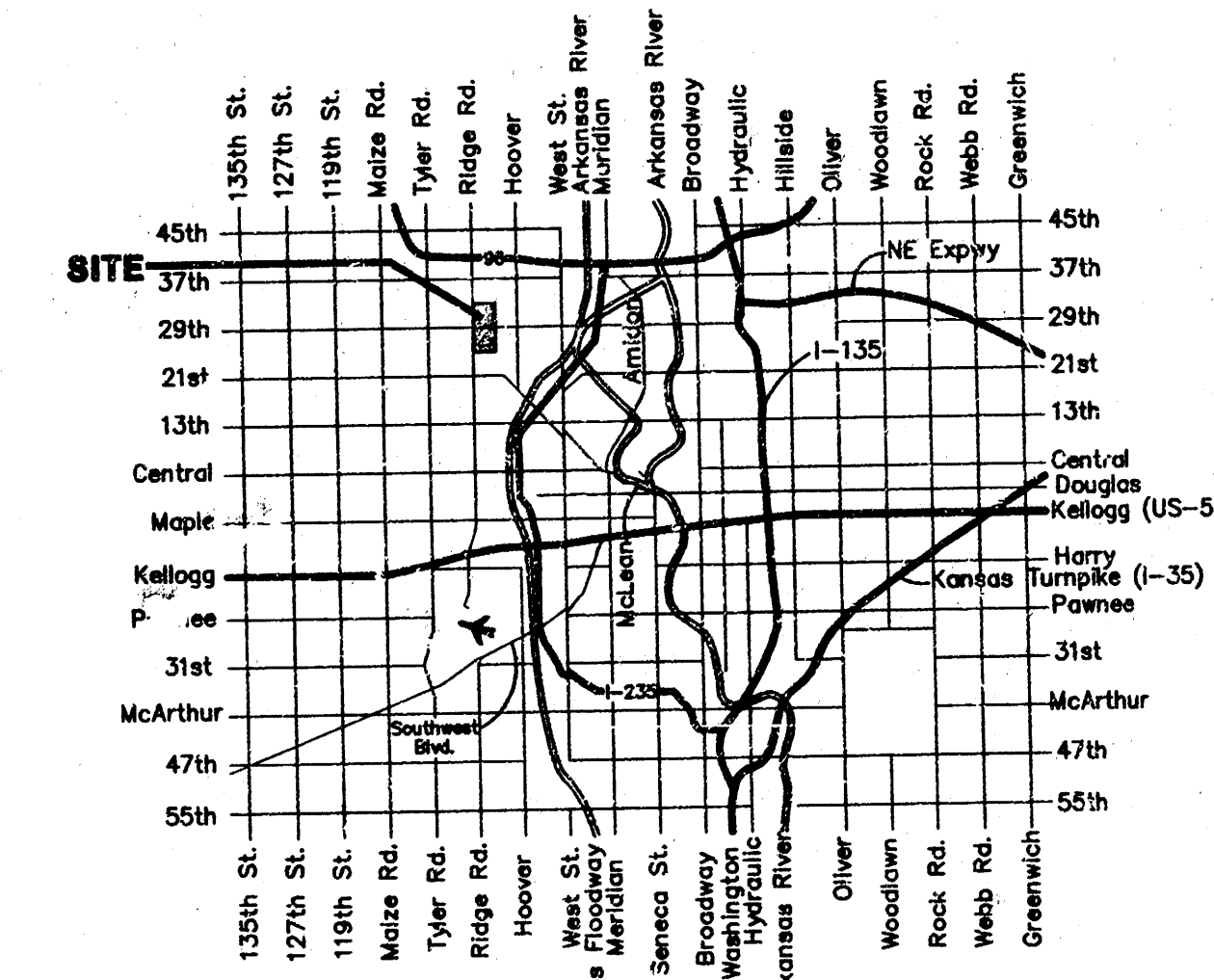
Benchmark

City Disc 45' North of 1/4 Corner,
1/2 Mile East of Ridge Road on
29th St. North
Elev. = 141.07 City Datum

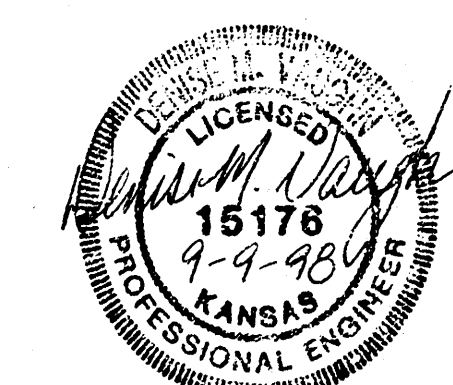
City Disc at S.W. Corner of R.C.B.C.
for Big Slough at Ridge Road
Elev. = 144.22 City Datum

Scale: 1" = 300'

Benefit District

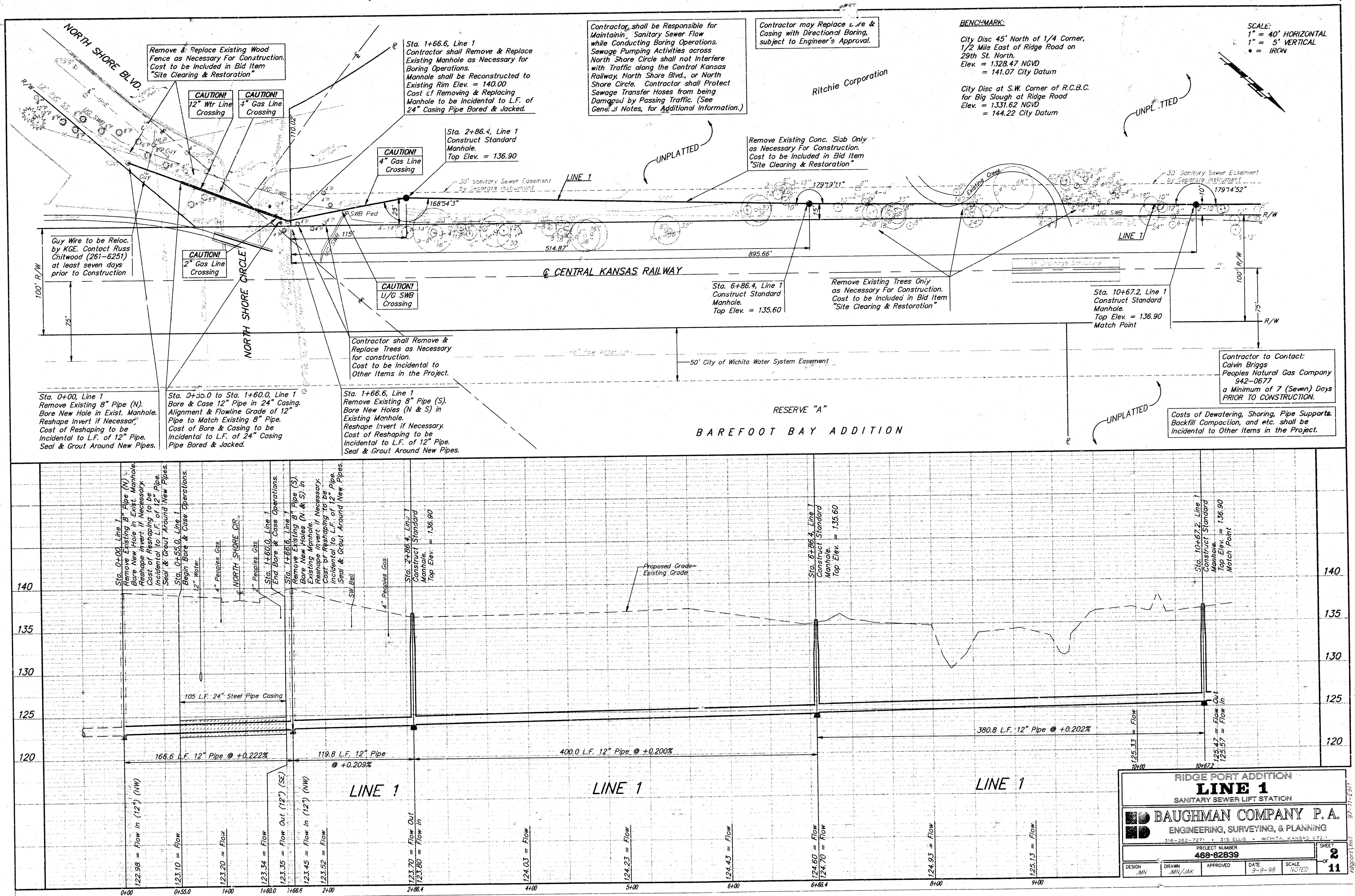


Vicinity Map



Booked
P-102
AS BUILT
10-15-99
RDL

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 313 ELLIS • WICHITA, KANSAS 67211



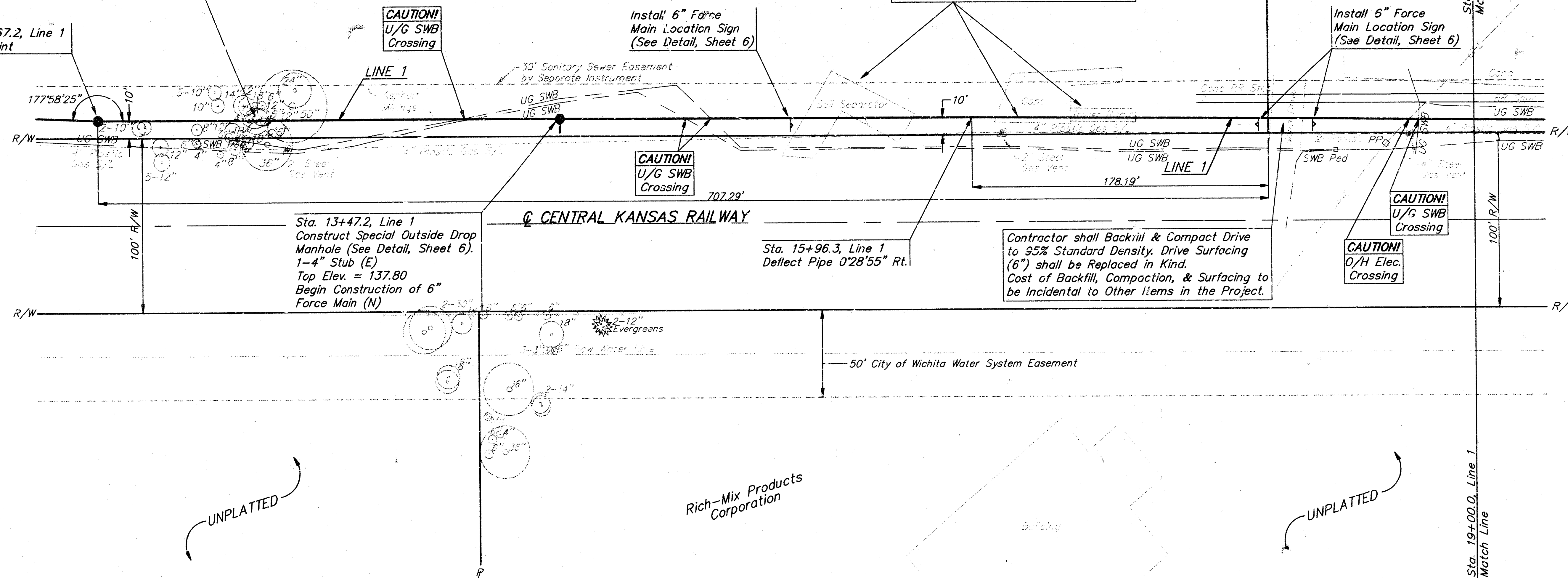
BENCHMARK:

City Disc 45' North of 1/4 Corner,
1/2 Mile East of Ridge Road on
29th St. North.
Elev. = 1328.47 NGVD
= 141.07 City Datum

City Disc at S.W. Corner of R.C.B.C.
for Big Slough at Ridge Road
Elev. = 1331.62 NGVD
= 144.22 City Datum

Sta. 10+67.2, Line 1
Match Point

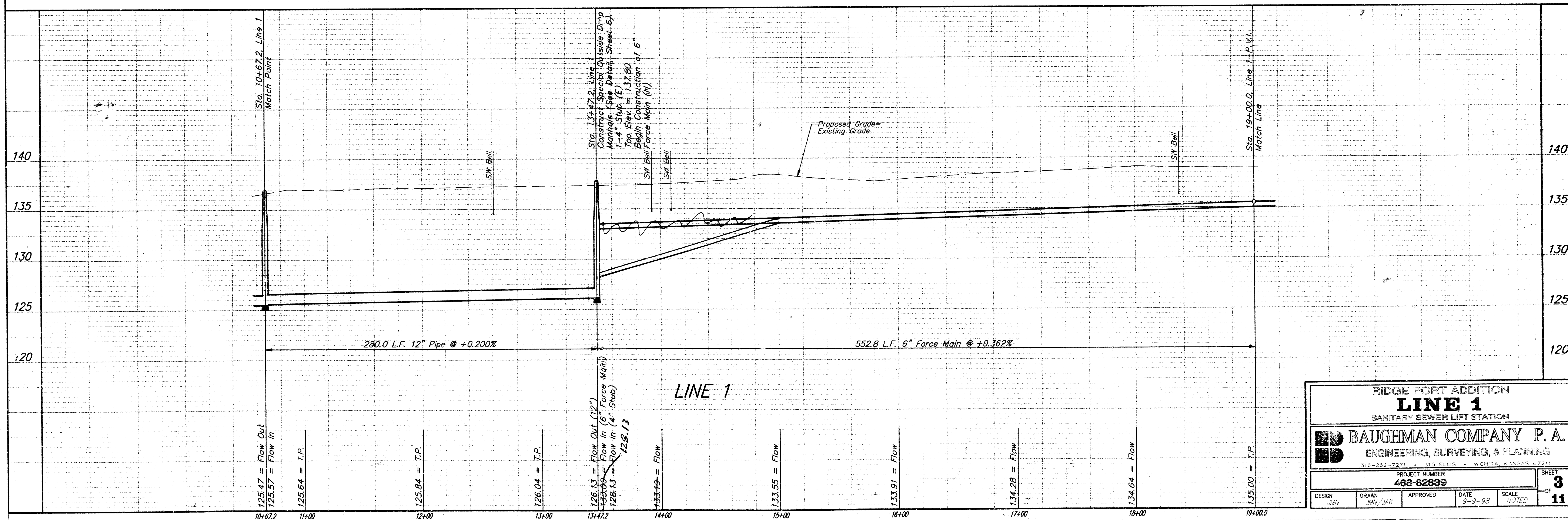
Remove Existing Trees Only
as Necessary For Construction.
Cost to be Included in Bid Item
"Site Clearing & Restoration"



SCALE:
1" = 40' HORIZONTAL
1" = 5' VERTICAL
• = IRON

Contractor shall Coordinate Force Main Construction through Drive with Ritchie Corporation. Drive provides Access to Business on East Side of Railroad Tracks.

Costs of Dewatering, Shoring, Pipe Supports, Backfill Compaction, and etc. shall be Incidental to Other Items in the Project.

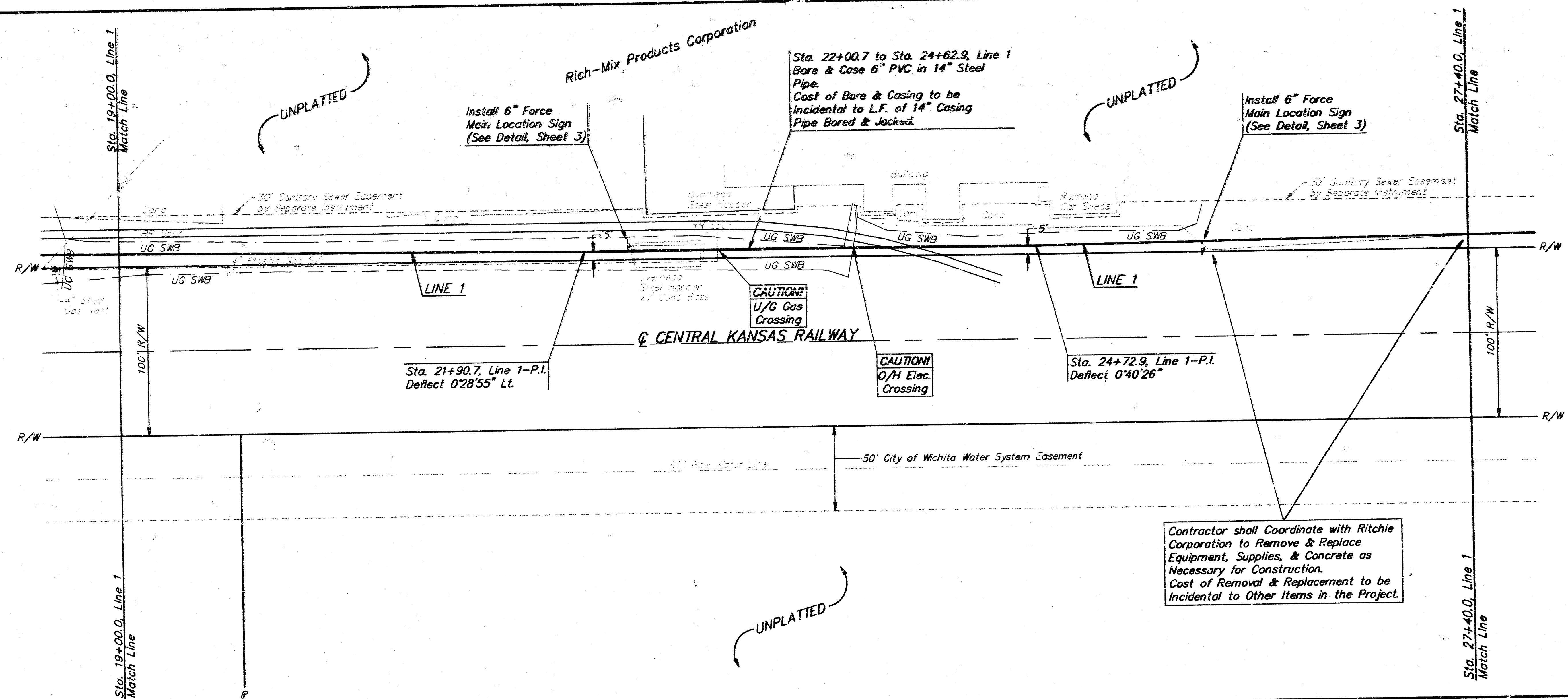


RIDGE PORT ADDITION LINE 1 SANITARY SEWER LIFT STATION			
BAUGHMAN COMPANY P.A. ENGINEERING, SURVEYING, & PLANNING 316-262-2271 • 315 ELLIS • WICHITA, KANSAS 67211			
PROJECT NUMBER 468-82839		SHEET 3 OF 11	
DESIGN JMN	DRAWN JMN/JAK	APPROVED	DATE 9-9-93
SCALE NOTED		NOTED	

BENCHMARK:

City Disc 45' North of 1/4 Corner,
1/2 Mile East of Ridge Road on
29th St. North.
Elev. = 1328.47 NGVD
= 141.07 City Datum

City Disc at S.W. Corner of R.C. & C.
for Big Slough at Ridge Road
Elev. = 1331.62 NGVD
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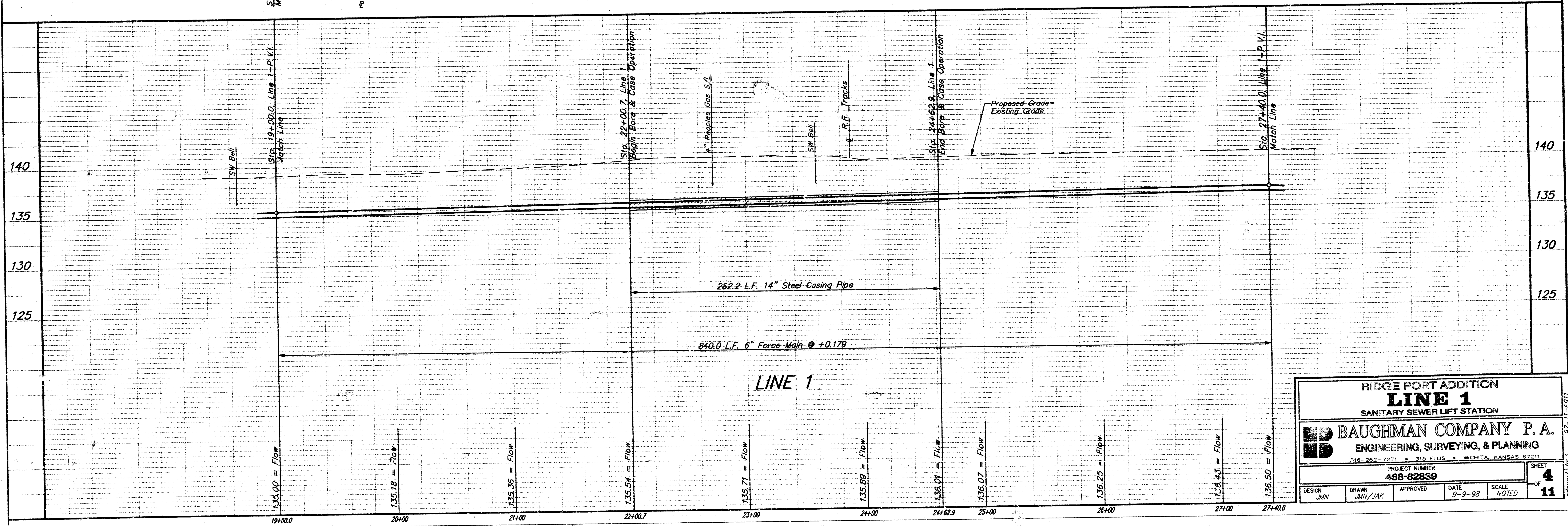


SCALE:
1" = 40' HORIZONTAL
1" = 5' VERTICAL
• = IRON

Contractor to Contact:
Calvin Briggs
Peoples Natural Gas Company
942-0677
a Minimum of 7 (Seven) Days
PRIOR TO CONSTRUCTION.

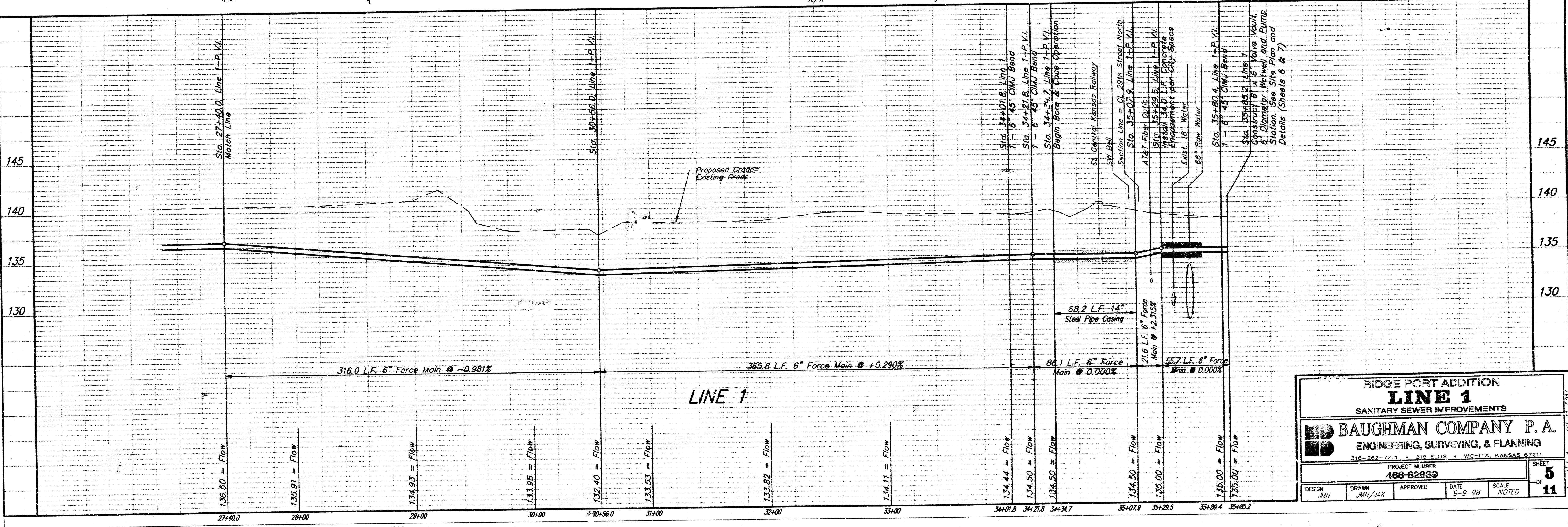
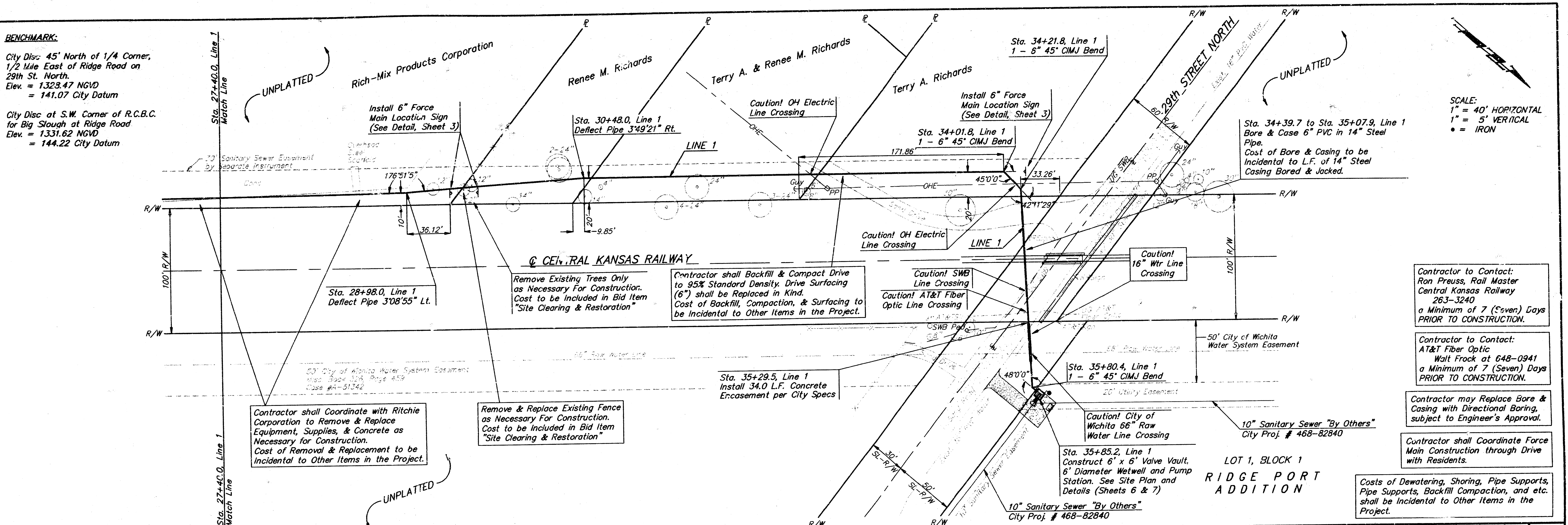
Contractor may Replace Bore &
Casing with Directional Boring,
subject to Engineer's Approval.

Costs of Dewatering, Shoring, Pipe Supports,
Pipe Supports, Backfill Compaction, and etc.
shall be Incidental to Other Items in the
Project.



RIDGE PORT ADDITION LINE 1 SANITARY SEWER LIFT STATION			
BAUGHMAN COMPANY P.A. ENGINEERING, SURVEYING, & PLANNING 716-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211			
PROJECT NUMBER 468-82639		SHEET 4 OF 11	
DESIGN JMN	DRAWN JMN/JAK	APPROVED DATE 9-9-98	SCALE NOTED

City Disc at S.W. Corner of R.C.B.C.
for Big Slough at Ridge Road
Elev. = 1331.62 NGVD
= 144.22 City Datum



Notes:

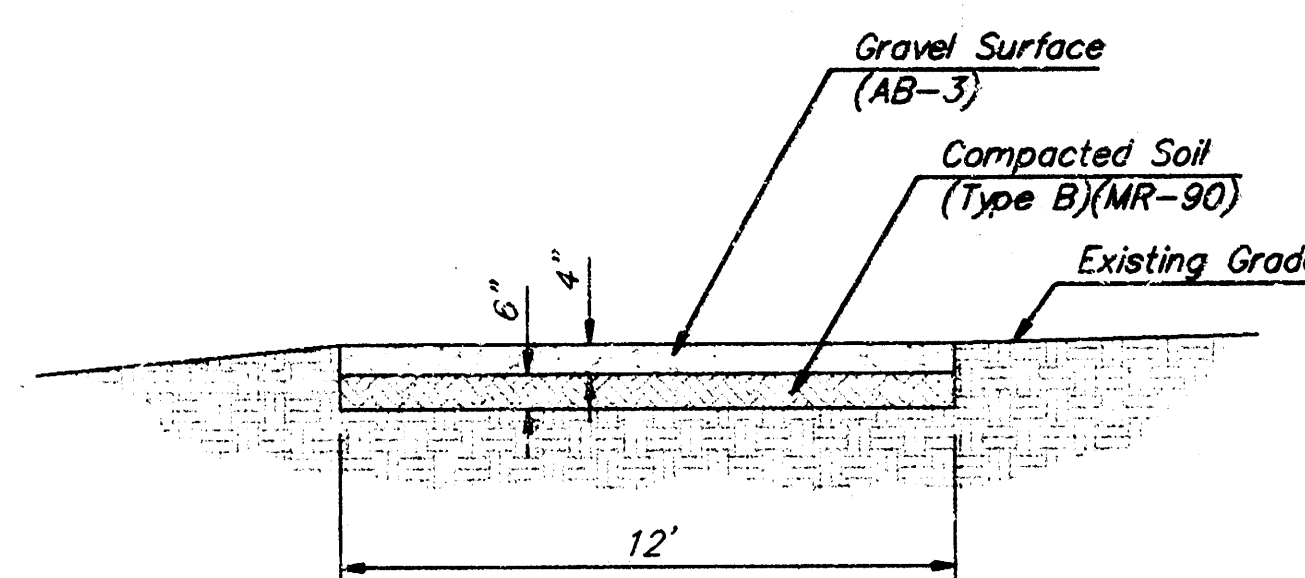
The Price Bid for Furnishing and Installing the Wet Well Mounted Lift Station With Standby Emergency Power and Miscellaneous Appurtenances Complete in Place Shall Include All Costs for Furnishing and Installing the Lift Station as Indicated Complete in Place and in Operation. This Price Shall Include the Cost of Constructing and/or Installing Compacted Subgrade, Concrete Pad, Power Pole, Electrical Conduit, Electrical Wiring, Disconnect Switch, Primary and Secondary Electrical Power Supply, Natural Gas Fuel Supply, Reinforced Concrete Valve Vault, Fiberglass Building, Finished Grading, and any Other Incidentals Necessary to Complete the Work.

The Contractor Shall be Responsible for Arrangements with the Gas Company for Extension of Gas Service to the Lift Station Site and For Payment of Costs of such Extension and Meter Setting. Location of Meter to be Acceptable to Gas Service Company and to City of Wichita Sewer Maintenance Department.

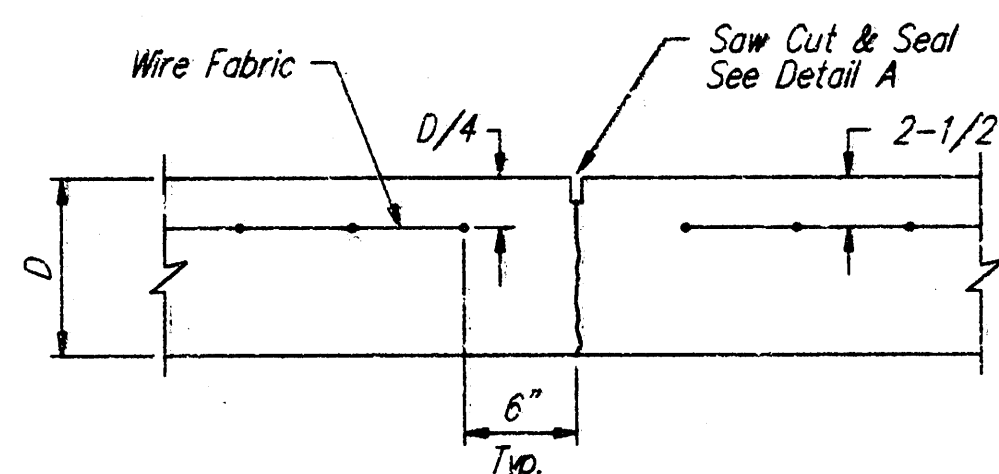
The Contractor Shall Coordinate with KGE/Electric Company to Extend 30 Electrical Service to the Lift Station Site.

Lift Station Information

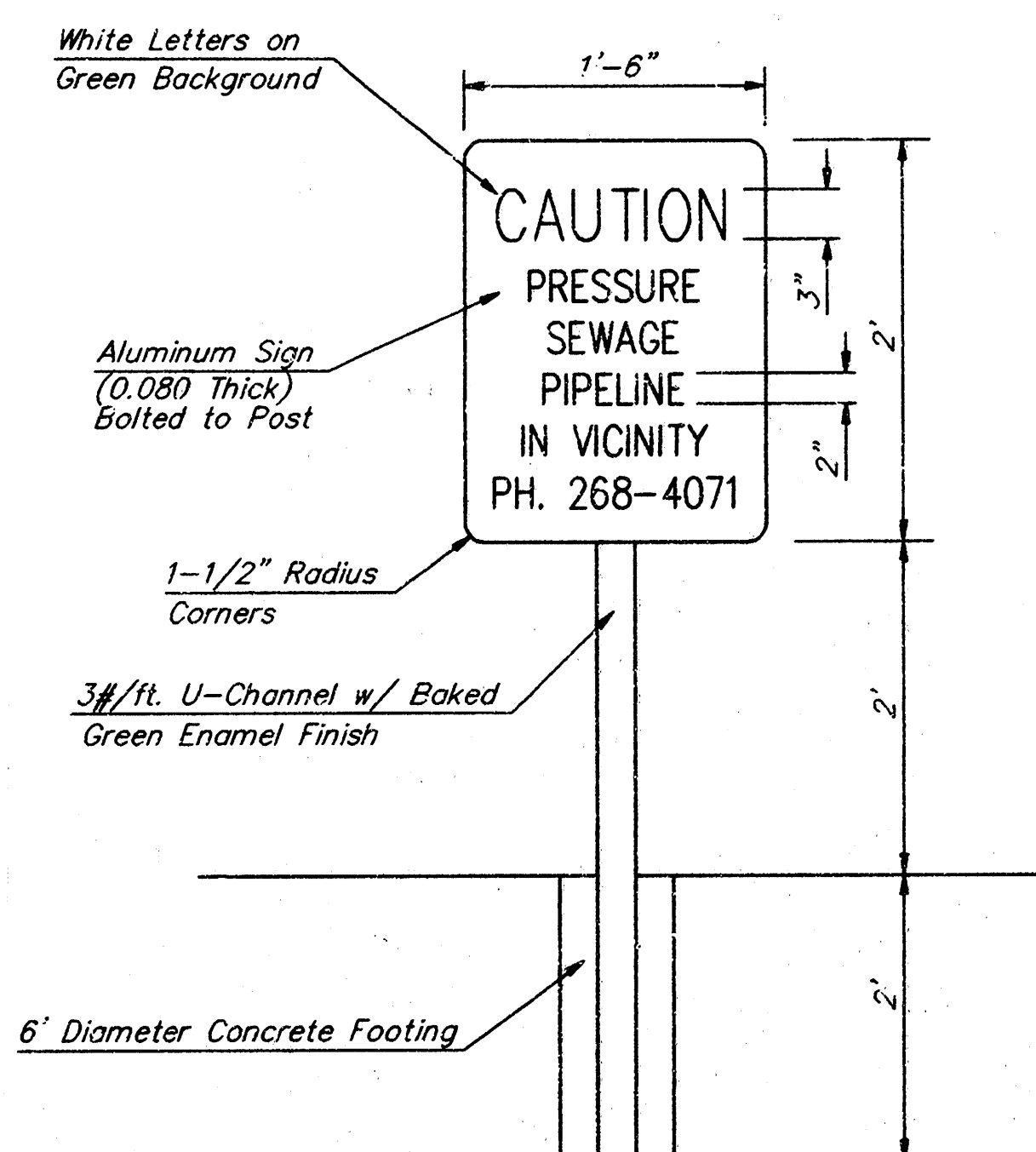
	Pump	Flow	TDH	Motor HP	Impeller Code	RPM	Elec. Serv. Req.
No. 1	C-3085	220 gpm	26.7'	3	434 MT	1750	208V, 3 Phase, 4 Wire
No. 2	C-3085	220 gpm	26.7'	3	434 MT	1750	208V, 3 Phase, 4 Wire



ACCESS ROAD DETAIL
No Scale

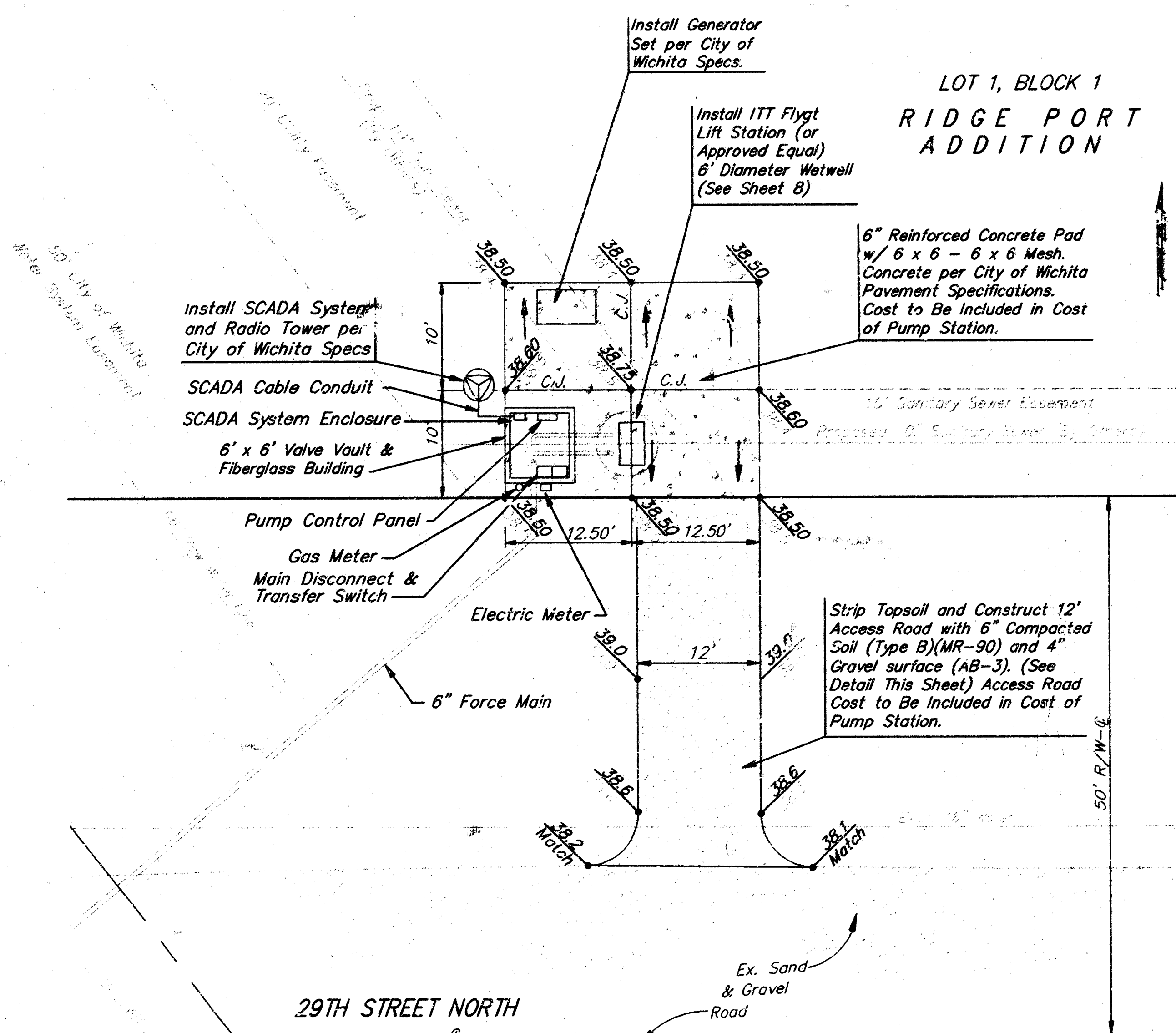
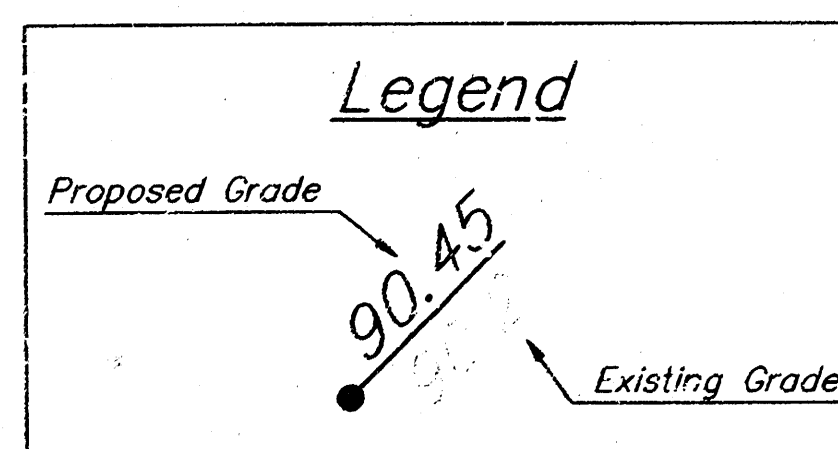


CONTRACTION JOINT DETAIL (C.J.)
No Scale

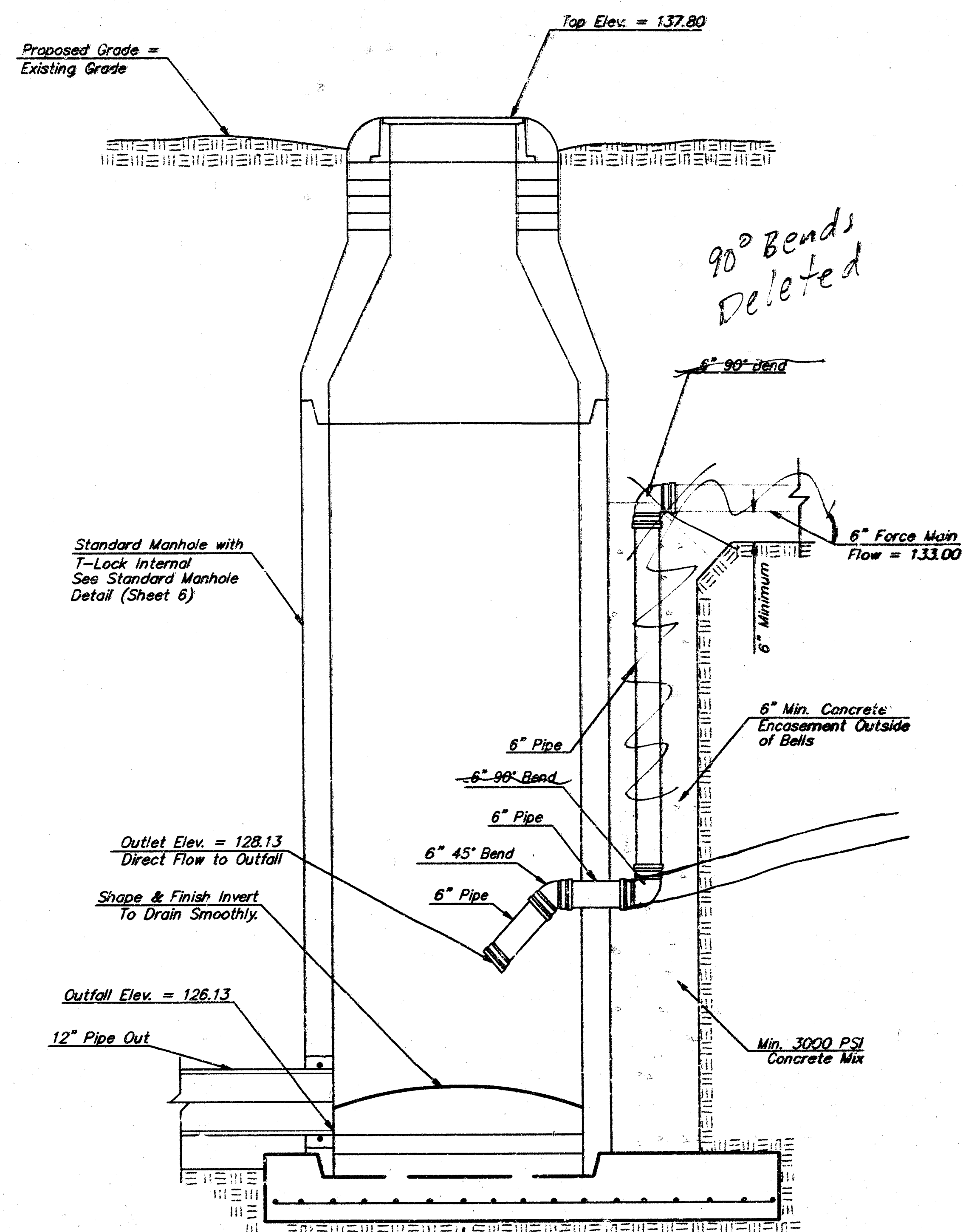


METAL WARNING SIGN DETAIL
No Scale

Note: Install Metal Warning Signs at Locations as Shown on the Plans. Exact Location of Warning Signs shall be as Approved by the Engineer. Cost of Warning Signs shall be Incidental to L.F. "6" Sanitary Sewer Force Main."



RIDGE PORT ADDITION LIFT STATION
Scale: 1" = 10'



SPECIAL OUTSIDE DROP MANHOLE DETAIL
No Scale

Note:

All Costs Associated with Construction of Special Outside Drop Manhole Including But Not Limited to 6" Pipe, All 6" Fittings, T-Lock Internal Coating and Concrete Encasement Mix Shall be Included in Price for Bid Item "Special Outside Drop Manhole."

RIDGE PORT ADDITION SITE PLAN SANITARY SEWER PUMP STATION			
BAUGHMAN COMPANY P. A. ENGINEERING, SURVEYING, & PLANNING 316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211			
PROJECT NUMBER 488-62839		SHEET 6 OF 11	
DESIGN BLP/DMV	DRAWN JAK	APPROVED	DATE 9-9-98
SCALE NOTED			

Notes:

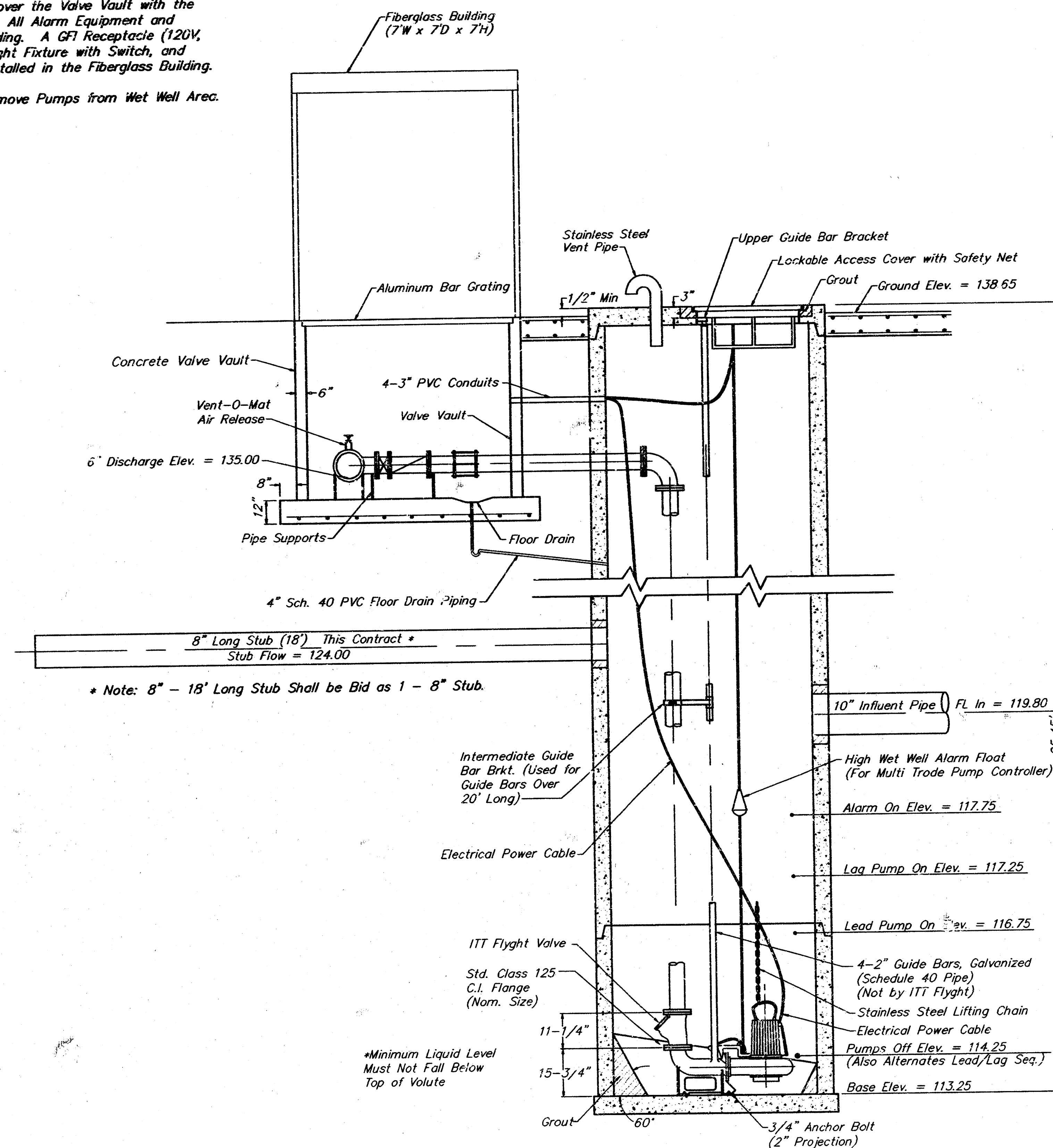
The Contractor shall Contact the City of Wichita Water & Sewer Dept. (Mr. Larry Koontz) at 529-9987 or 529-9900 at Least 48 Hours Prior to Startup of the Pump Station.

The Contractor shall Provide Separate Conduits for the Pump Power Cables and the High Level Alarm Sensor. The Contractor shall Route Conduits from the Wet Well to the Fiberglass Building. All Electrical Conduits shall be RotoRay type. Electrical Boxes shall be Lockable. PVC or Fiberglass Electrical Boxes will not be Allowed. Run Status Relays for the Pumps and Generator shall be Provided.

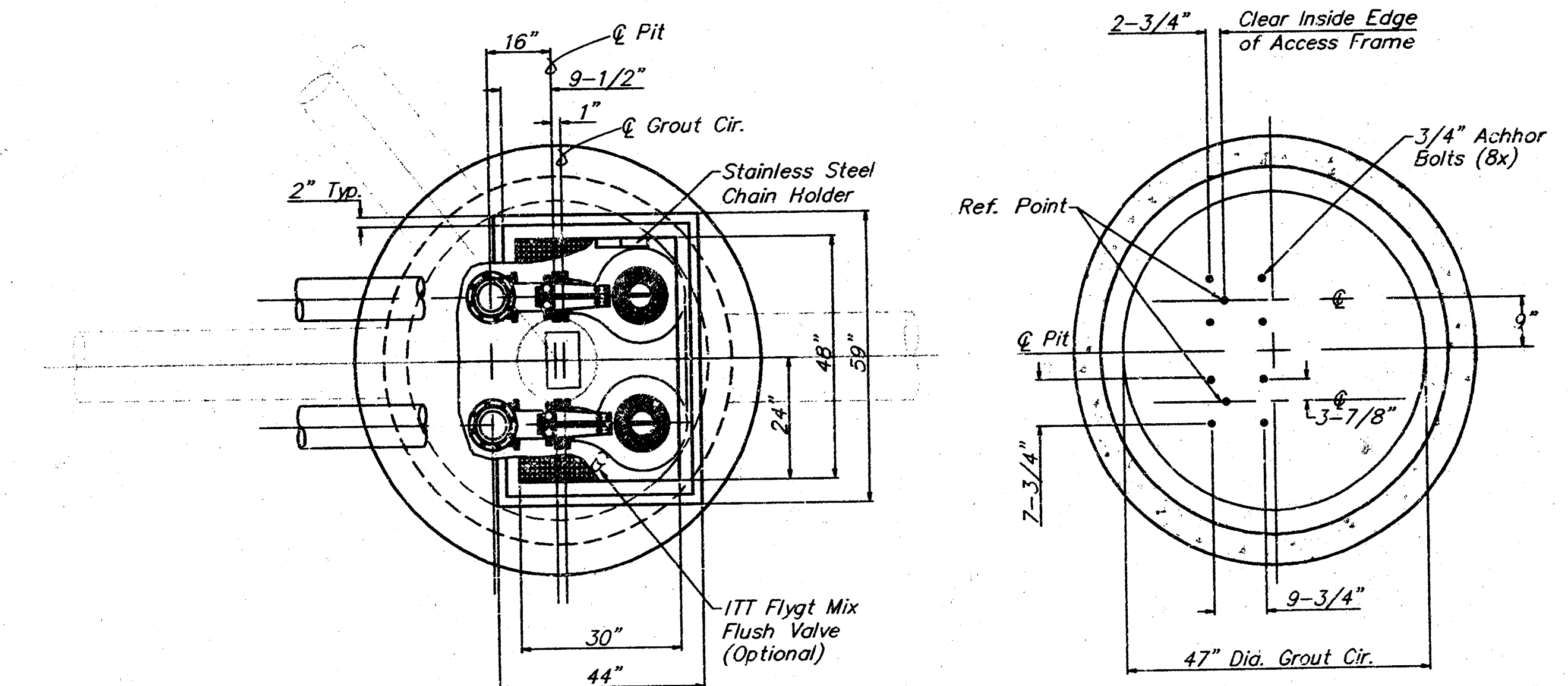
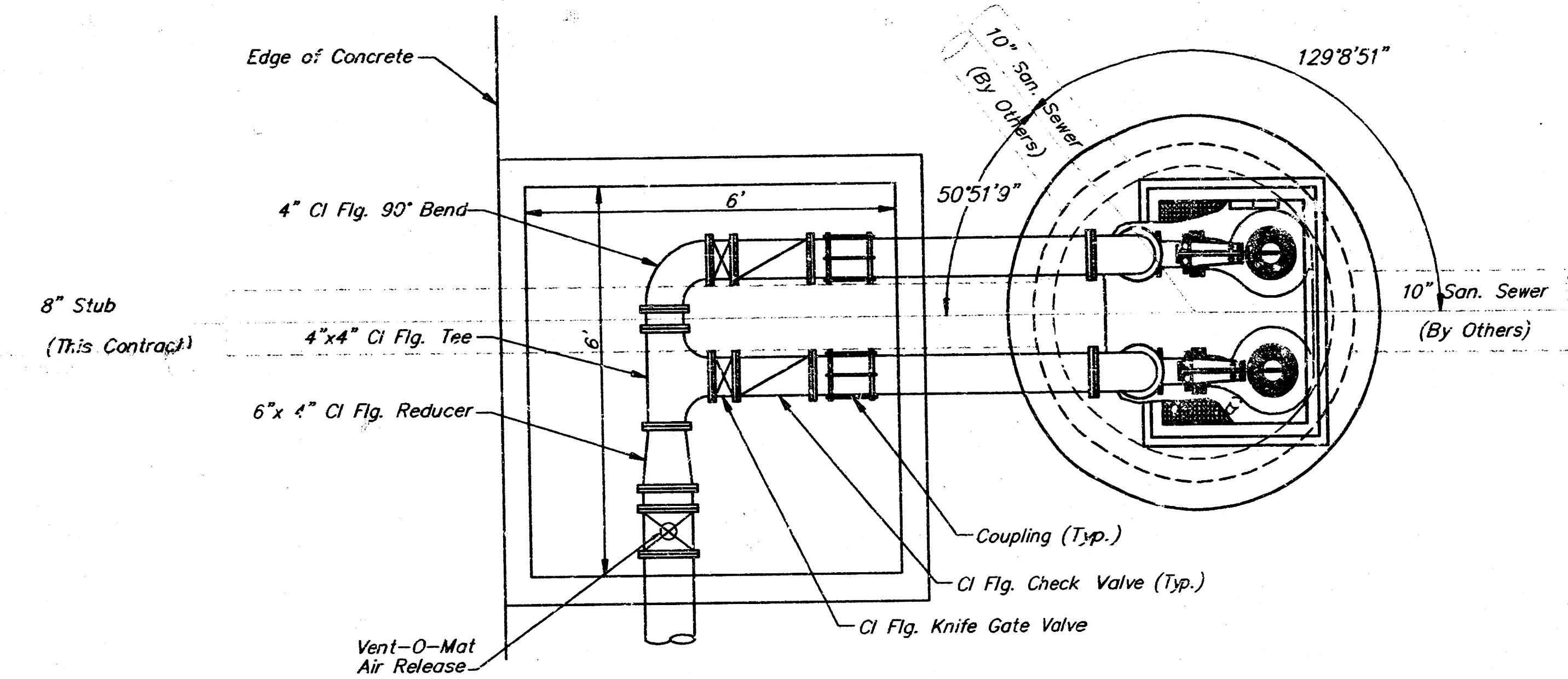
Unless Otherwise Noted, all Force Main Piping shall be Ductile Iron to 5' Outside the Valve Vault. All Interior Piping shall be Flanged Joint.

The Fiberglass Building shall be installed over the Valve Vault with the Entry Door Opening Towards the Wet Well. All Alarm Equipment and Controls shall be Mounted Inside the Building. A GFI Receptacle (120V, 20 Amp Duplex), a 150W Incandescent Light Fixture with Switch, and an Exhaust Fan shall be Supplied and Installed in the Fiberglass Building.

A Portable Hoist shall be Provided to Remove Pumps from Wet Well Area.

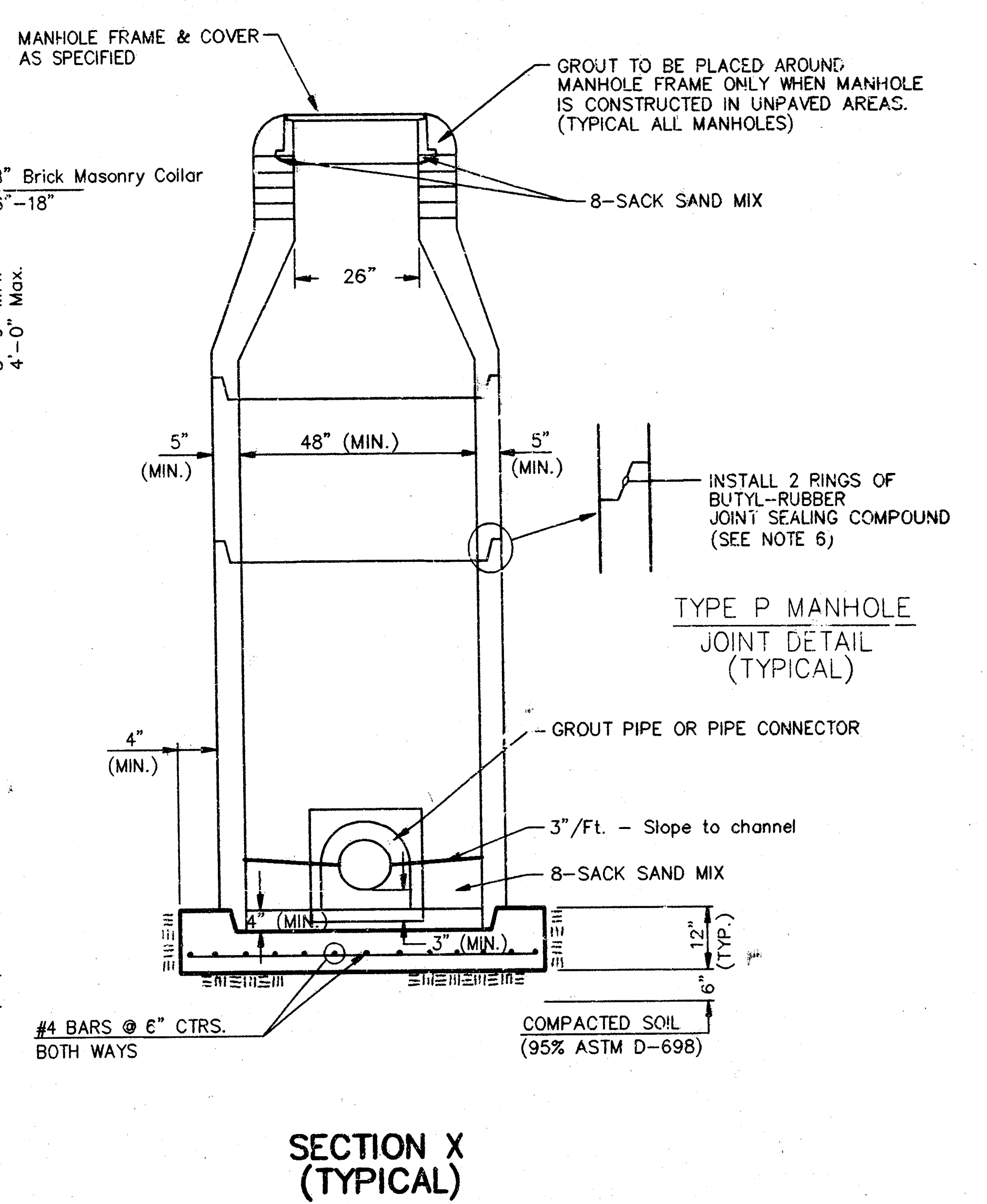
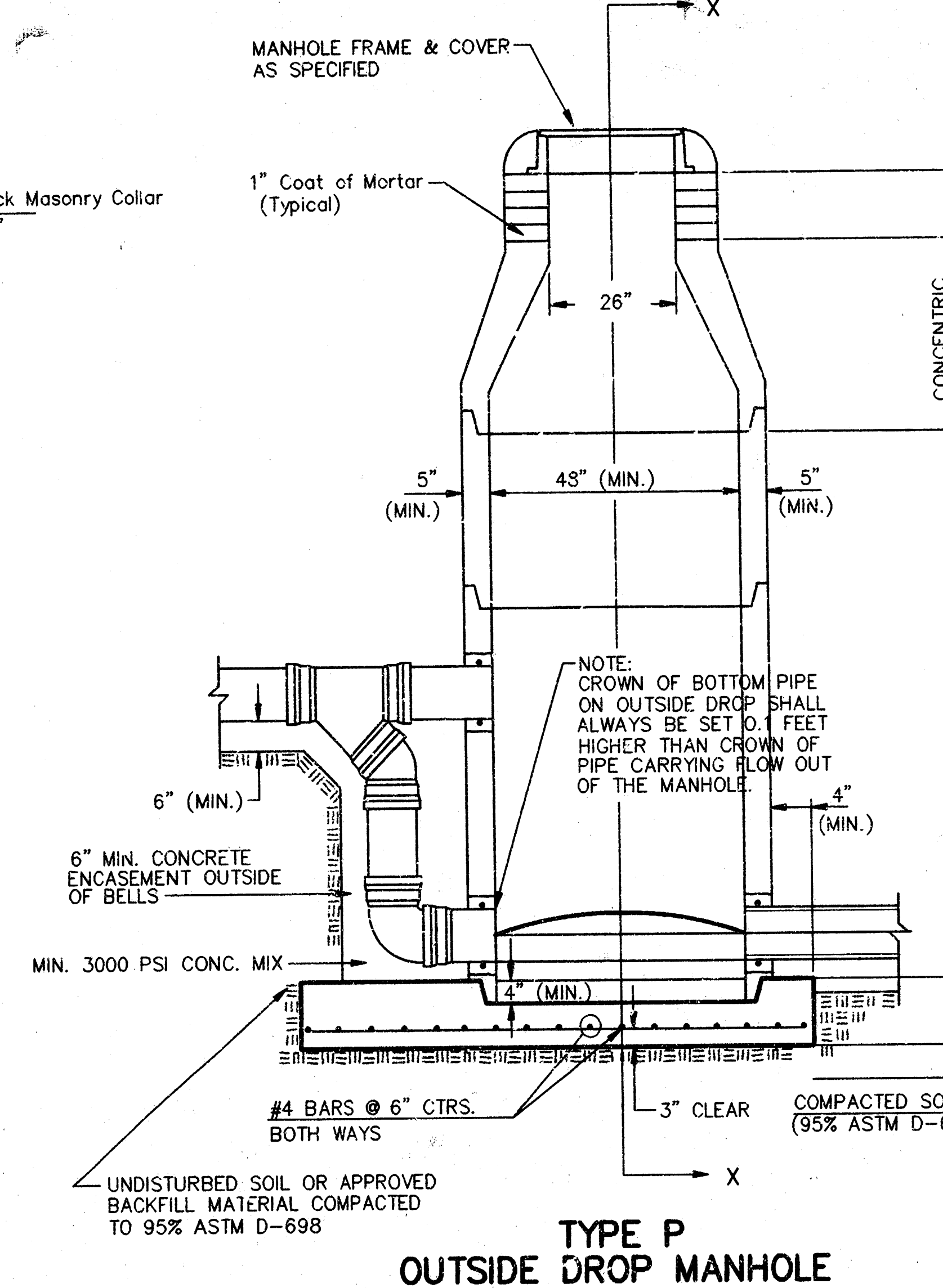
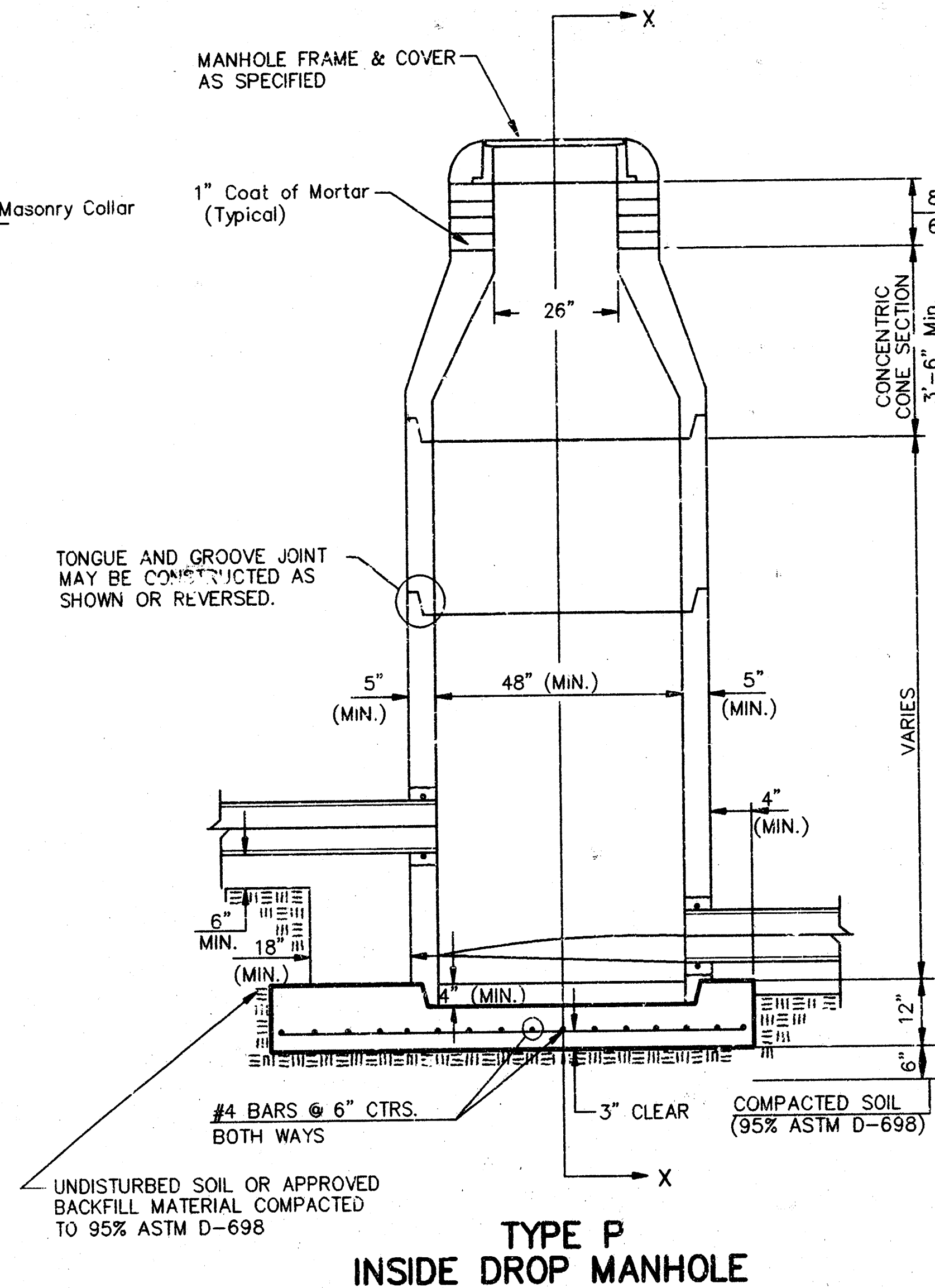
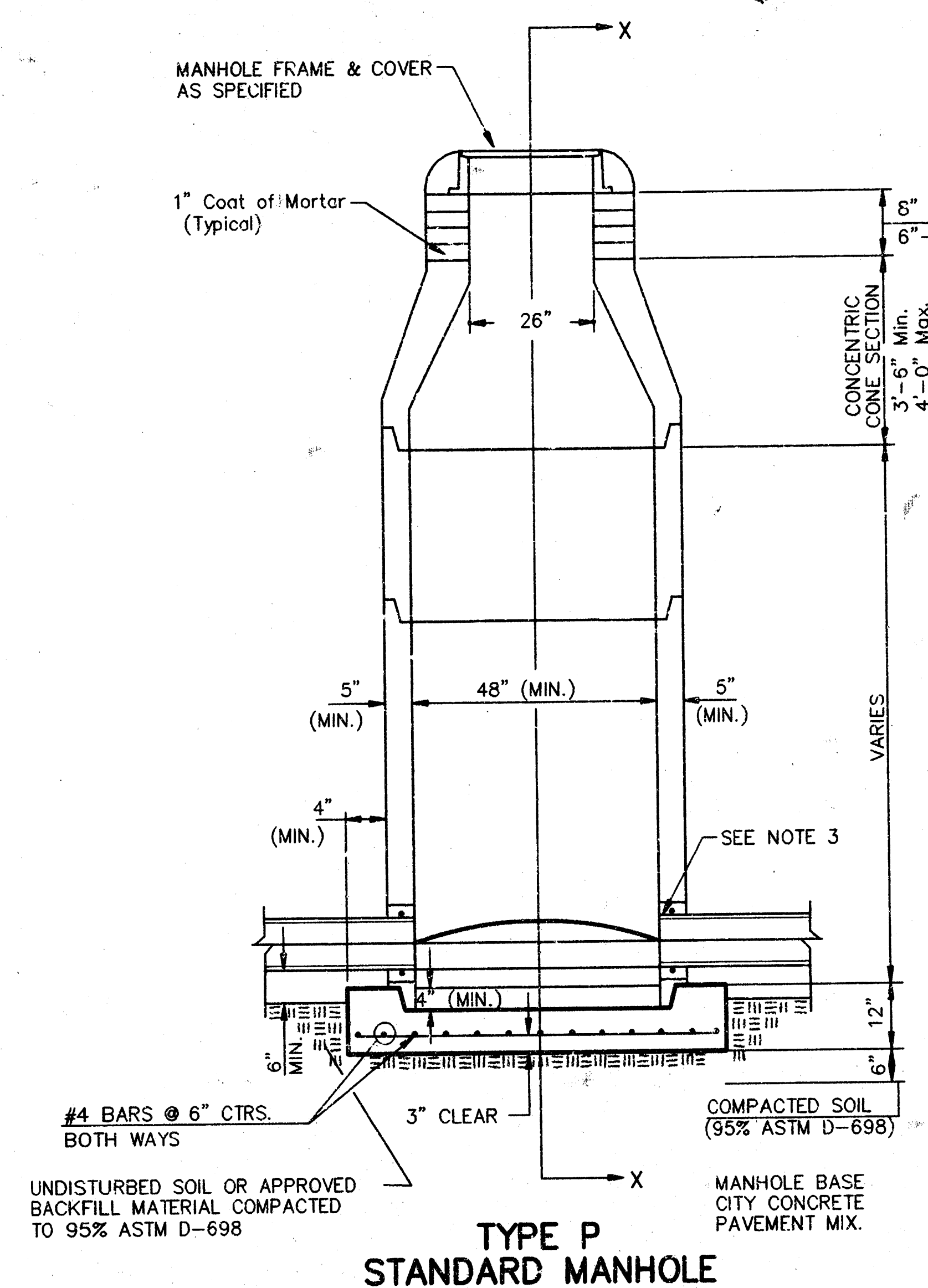


WET WELL DETAIL
No Scale



RIDGE PORT ADDITION					
PUMP STATION DETAILS					
SANITARY SEWER PUMP STATION					
BAUGHMAN COMPANY P. A.					
ENGINEERING, SURVEYING, & PLANNING					
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211					
PROJECT NUMBER					
486-82839					
DESIGN	DRAWN	APPROVED	DATE	SCALE	SHEET
BLP/DMV	JAK		9-9-98	NGVC	7 OF 11

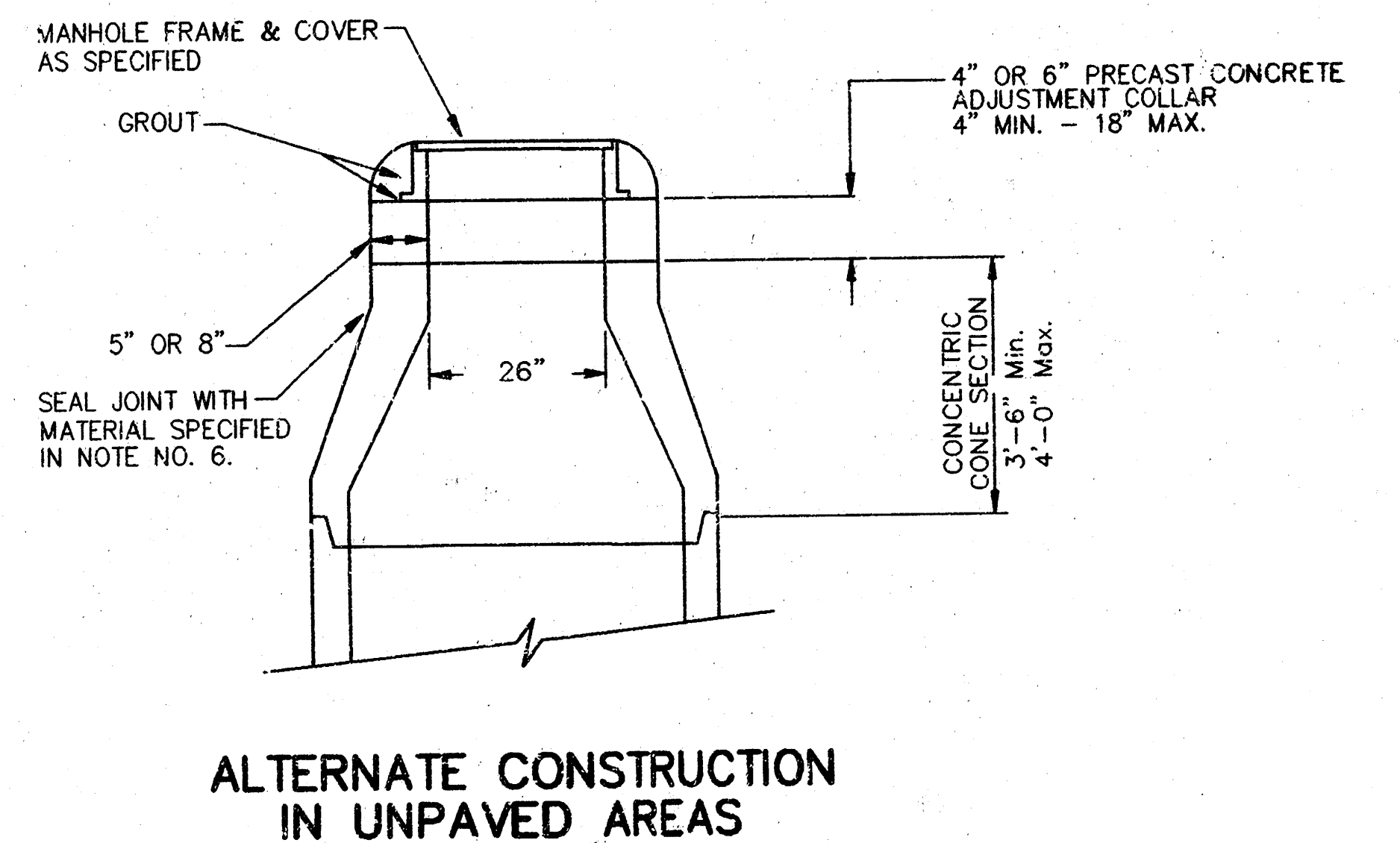
SEWER APPURTENANCES DETAILS



- GENERAL NOTES**
- PRECAST MANHOLE NOTES**
- ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISIONS OF A.S.T.M. C478 AS MODIFIED BY THE SPECIFICATIONS.
 - NON-SHRINK GROUT SHALL BE NON-METALLIC TYPE.
 - APPROVED FLEXIBLE WATERSTOP GASKETS SHALL BE INSTALLED TO JOIN THE SEWER TO THE MANHOLE WALL WHEN A.B.S. COMPOSITE PIPE OR P.V.C. PIPE IS USED. FOR OTHER TYPES OF PIPE, SEWER SHALL BE GROUTED IN PLACE WITH NON-SHRINK GROUT. SEWER PIPE SHALL BE SUPPORTED WITH CONCRETE ENCASEMENT A MINIMUM OF 3 FEET FROM THE MANHOLE WALL AND TO THE FIRST JOINT FOR V.C.P. SUCH THAT THE JOINT REMAINS FLEXIBLE.
 - ALL INSIDE SURFACES OF THE CONCRETE MANHOLE WHICH WOULD BE EXPOSED TO SEWER GAS SHALL BE COATED WITH 2 COATS TNECOC SERIES 66 HI-BUILD EPOXYLINE, DRY THICKNESS OF 8 MILS (MIN.).
 - EXTERIOR MANHOLE WALLS SHALL BE COATED WITH 1 COAT MOBILARMA 633 BITUMINOUS COATING.
 - JOINT SEALING COMPOUND SHALL BE KENT SEAL NO. 2 OR APPROVED EQUAL.
 - PRECAST MANHOLES SHALL BE SET AT LEAST 4 INCHES INTO THE MANHOLE BASE.
 - TOP OF MANHOLE FLOOR SLAB SHALL BE AT LEAST 3 INCHES BELOW THE FLOW LINE OF THE OUTLET PIPE TO INSURE SUFFICIENT MINIMUM THICKNESS OF SHAPED INVERT.
 - LIFTING HOLES SHALL BE FILLED WITH NON-SHRINK GROUT AND THE INTERIOR SURFACE COATED AS SPECIFIED.
 - MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 3 BAGS OF CEMENT PER CUBIC YARD. CONCRETE USED IN MANHOLE BASES SHALL CONFORM TO THE REQUIREMENTS OF CONCRETE FOR CONCRETE PAVING SPECIFICATIONS USING CITY CONCRETE PAVING MIX WITHOUT AIR ENTRAINING ADMIXTURE. MORTAR SHALL BE PLACED AROUND THE MANHOLE RING AS SHOWN ON THE DRAWINGS WHEN MANHOLES ARE CONSTRUCTED IN UNPAVED AREAS. MANHOLES CONSTRUCTED WHERE PIPE SIZES ARE SMALLER THAN 24" SHALL HAVE AN INSIDE DIAMETER OF 4". MANHOLES CONSTRUCTED WHERE PIPE SIZES ARE 24" OR LARGER SHALL HAVE AN INSIDE DIAMETER OF 5". COMPLETED MANHOLE SHALL BE WITHOUT LEAKS AND WATER TIGHT.

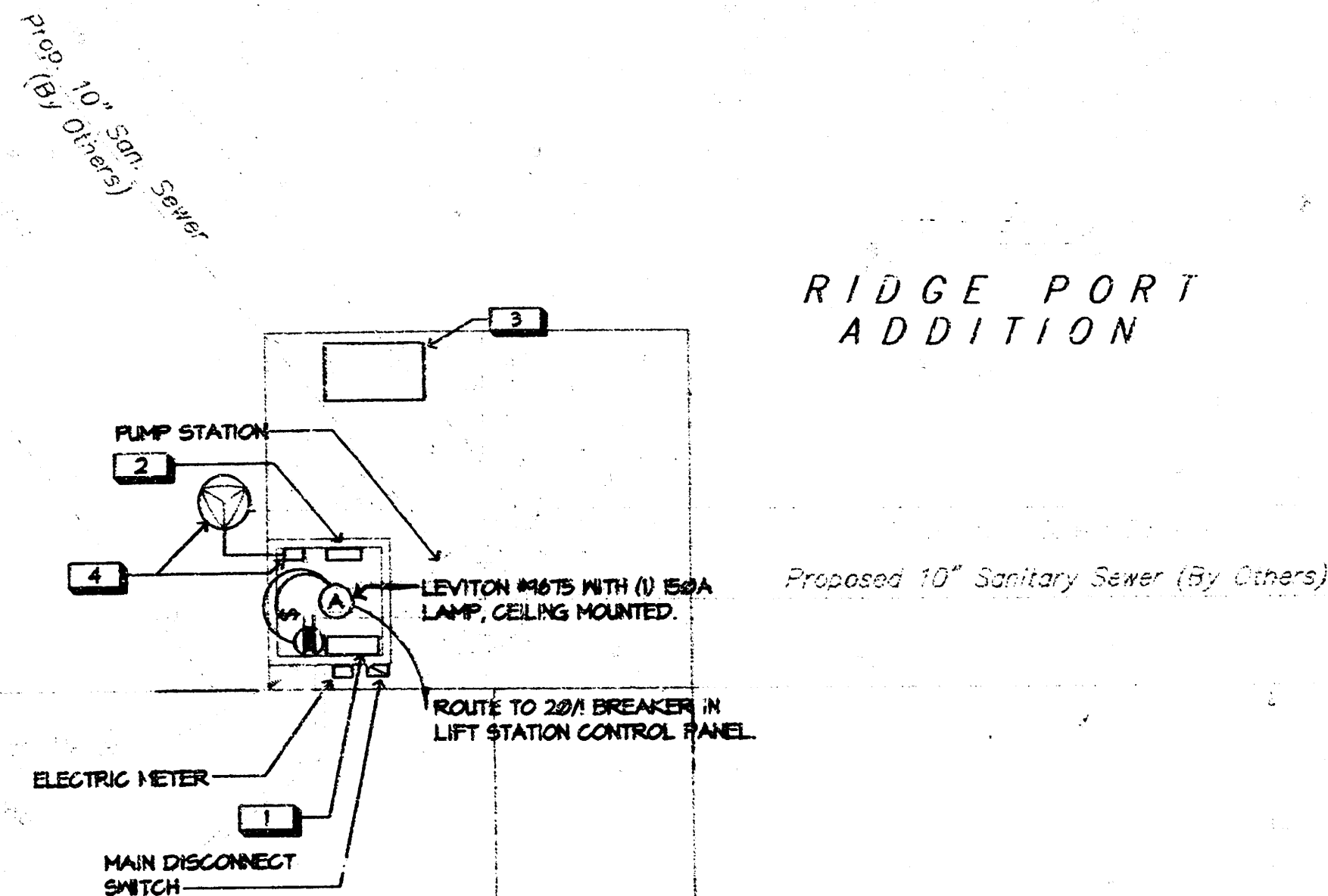
- REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES AND SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. THE MANHOLE BASE REINFORCEMENT SHALL BE PLACED AT LEAST 3" ABOVE THE BOTTOM OF THE MANHOLE BASE. ALL COSTS FOR FURNISHING AND INSTALLING REINFORCING STEEL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.
- OPENINGS SHALL BE CUT INTO THE MANHOLE WALL WHEN OUTSIDE DROPS ARE CONSTRUCTED ON EXISTING MANHOLES. SUCH OPENINGS CUT INTO EXISTING MANHOLES SHALL BE AS SMALL AS PRACTICAL TO FACILITATE INSTALLING AND GROUTING THE NEW PIPE IN PLACE. WATERSTOP GASKETS SHALL BE USED WITH P.V.C. AND A.B.S. COMPOSITE PIPE. THE NEW PIPE SHALL BE GROUTED INTO THE OPENING USING AN APPROVED NONSHRINK GROUT FOR THE FULL MANHOLE WALL THICKNESS. THE EXTERIOR OF THE COMPLETED CONNECTION SHALL BE SEALED WITH AN APPROVED BITUMINOUS COATING SUCH THAT THE CONNECTION WILL BE WATER TIGHT. FLOOR OF MANHOLE SHALL BE MODIFIED TO FORM NEW FLOW CHANNEL FOR THE NEW CONNECTION AS INDICATED BY THE DRAWING. THIS WORK, INCLUDING MODIFICATION OF MANHOLE FLOOR, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR OUTSIDE DROP STACK CONSTRUCTED ON EXISTING MANHOLE.
- THE FLOORS OF ALL MANHOLES SHALL BE SHAPED WITH FLOW CHANNELS SUCH THAT THE MANHOLES WILL BE SELF-CLEANING AND FREE OF AREAS WHERE SOLIDS COULD BE DEPOSITED AS SEWAGE FLOWS THROUGH THE MANHOLE FROM ALL INLET PIPES TO THE OUTLET PIPE. FLOW CHANNELS SHALL BE FORMED TO MATCH THE BOTTOM HALVES OF THE INFLOWING PIPES AND THE OUTFLOWING PIPE AS SHOWN BY THE DRAWINGS EXCEPT FOR INSIDE DROP MANHOLES. FLOW CHANNELS FOR INSIDE DROP MANHOLES SHALL BE CONSTRUCTED AS INDICATED BY THE DRAWING. MANHOLE FLOORS SHALL HAVE SLOPES OF 3 INCHES PER FOOT IN THE AREAS OUTSIDE OF THE FLOW CHANNELS SLOPED TOWARD THE FLOW CHANNELS. PIPES LAID THROUGH MANHOLES SHALL HAVE THE TOP HALF REMOVED TO NEAT LINES FOR THE FULL INSIDE DIAMETER OF THE MANHOLE. MANHOLE FLOORS SHALL THEN BE SHAPED AROUND THE BOTTOM HALF OF THE PIPE WHICH FORMS THE FLOW CHANNEL.
- PIPES INSTALLED WITHIN THE EXCAVATION MADE FOR THE MANHOLE SHALL BE CRADLED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION. WHEN CLAY PIPE IS USED, THE CRADLE SHALL EXTEND TO THE FIRST JOINT OUTSIDE THE MANHOLE. THE CRADLE SHALL BE TERMINATED AT THE CLAY PIPE JOINT IN A MANNER WHICH WILL MAINTAIN THE FLEXIBILITY OF THE JOINT. COST OF CRADLE WITHIN MANHOLE EXCAVATION OR TO CLAY PIPE JOINTS ADJACENT TO MANHOLE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.

- MANHOLE COVER CASTINGS AND MANHOLE FRAME CASTINGS SHALL CONFORM TO THE REQUIREMENTS AS INDICATED IN THE STANDARD SPECIFICATIONS AND AS SHOWN IN THE STANDARD DETAIL DRAWING.
- THE VERTICAL DROP IN INSIDE DROP MANHOLES SHALL NOT EXCEED 2' FOR INFLOWING PIPES SIZED 12" OR SMALLER AND 2' FOR INFLOWING PIPES LARGER THAN 12". THE CROWNS OF INFLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.
- STANDARD MANHOLES AND STANDARD INSIDE DROP MANHOLES SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED. OUTSIDE DROP MANHOLES SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4' UNLESS INDICATED OTHERWISE.
- A BRICK MASONRY COLLAR SHALL BE INSTALLED BETWEEN THE CAST IRON FRAME AND THE CONCENTRIC CONE. THE COLLAR WILL HAVE 8" WALLS AND A VERTICAL HEIGHT OF 6" MINIMUM AND 18" MAXIMUM. A 1" COAT OF MORTAR WILL BE PLASTERED ON THE OUTSIDE OF THE COLLAR. THE USE OF PRE-CAST CONCRETE SPACERS FOR MANHOLE TOP ADJUSTMENT IS ALSO ALLOWED.



CITY OF WICHITA			
STD. MANHOLE DETAILS			
SEWER APPURTENANCES DETAIL			
BAUGHMAN COMPANY P.A.			
ENGINEERING, SURVEYING, & PLANNING			
314-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211			
PROJECT NUMBER		SHEET	
488-82839		8	
DESIGN	DRAWN	APPROVED	DATE
C.O.W.	Staff		None
SCALE			11
None			

PLAN NOTES	
S/N#	DESCRIPTION
1	NEW LIFT STATION CONTROL PANEL TO INCLUDE THE FOLLOWING BREAKERS: (2) 150 AMP PUMPS (1) 200 AMP GENERATOR BATTERY CHARGER (1) 200 AMP FOR JACKET WATER HEATER (1) 200 AMP FOR SCADA CONTROL PANEL (1) 200 AMP FOR LIGHT AND INCUBATOR PROVIDE ALL WIRING AND CONNECTIONS PER MANUFACTURER'S REQUIREMENTS. PROVIDE COMPLETE UNIT PER CITY OF NICHTA SPECIFICATIONS AND REQUIREMENTS.
2	NEW AUTOMATIC TRANSFER SWITCH, 850 AMP 3 POLE 200 VOLT, 3 PHASE WITH SOLID NEUTRAL AND GROUND BAR. PROVIDE WITH AUTOMATIC INFLUXLY ENERGIZER. PROVIDE COMPLETE UNIT PER CITY OF NICHTA SPECIFICATIONS AND REQUIREMENTS.
3	NEW EMERGENCY GENERATOR, NATURAL GAS, 95 KW @2800 VOLTS, 3 PHASE, NEW 60 HZ, 480V, 3 PHASE STUDY CONNECTED TO METEOROLOGICAL ENCLOSURE AND ALL ASSOCIATED EQUIPMENT TO PROVIDE AUTOMATIC EMERGENCY BACKUP POWER. PROVIDE COMPLETE UNIT PER CITY OF NICHTA SPECIFICATIONS AND REQUIREMENTS.
4	NEW SCADA SITE CONTROL AND DATA ACQUISITION SYSTEM. PROVIDE COMPLETE SYSTEM WITH CONTROL PANEL, ANTENNAE, TOWER AND RADIO TRANSMITTER. PROVIDE WIRING AND CONNECTION OF ALL REQUIRED POINTS TO GIVE A COMPLETE AND FUNCTIONAL SYSTEM. PROVIDE COMPLETE UNIT PER CITY OF NICHTA SPECIFICATIONS AND REQUIREMENTS.



SYMBOL LIST		
SYMBOL	DESCRIPTION	MOUNTING
	FLUORESCENT FIXTURE & FIXTURE LETTER	CEILING
	FLUORESCENT FIXTURE & FIXTURE LETTER	CEILING
	INCAND. OR H.D. FIXTURE & FIXT. LETTER	SWF. REQUIRED
	INCAND. OR H.D. FIXTURE & FIXT. LETTER	WALLBRACKET
	EXIT FIXT. - SHADING DENOTES FACE(S)	CELL/WALL
	GFCI DUPLEX GROUNDED RECEPTACLE	1'-3" AFF
	DUPLEX GROUNDED RECEPTACLE	1'-3" AFF
	EXTERIOR, GFCI RECEPT. WEATHER-PROOF	1'-3" AFF
	SPECIAL OUTLET, SEE SCHEDULE OR AS NOTED	
	TELEPHONE OUTLET (P=PAY, 4B=40"X40")	1'-3" AFF
	SWITCHES (1-POLE; 3-WAY; 4-WAY; PIVOT; KEY)	4'-8" TO TOP
	JUNCTION BOX	
	RUSTAT	
	SPECIAL DEVICE AS NOTED ON PLAN	
	BRANCH CIRCUIT PANEL & PANEL DESIG.	6'-6" TO TOP
	H.A. SAFETY SWITCH (AMP; POLE/VOL.; AGE)	6'-6" TO TOP
	STARTER (SIZE/POLE, VOLTAGE)	6'-6" TO TOP
	THERMOSTAT (BY M.C.)	4'-8" TO TOP
	MOTOR	
	CONDUIT RUN 2#2 & #12 GRD.-1/2" C.	CELL/WALL
	CONDUIT RUN 2 CIRCUIT/3#2 & #12 GRD.-1/2" C.	EARTH/FLOOR
	PARTITION HOXUM (MULTIPLE LOAD LOCATIONS)	
	SEE NOTE #1	
	FEEDER IDENTIFICATION, SEE SCHEDULE	
	WEATHERPROOF	
	INDICATES SWITCHING SCHEME	

GENERAL NOTES

SVA

1. VERIFY ALL OUTLET LOCATIONS ON THE JOB PRIOR TO ROUGH-IN.
2. REFER TO RELATED ARCHITECTURAL, MECHANICAL, AND STRUCTURAL DRAWINGS FOR RELATED INFORMATION.
3. REFER TO THE SPECIFICATIONS FOR DATA NOT ON THE DRAWINGS.
4. COORDINATE OUTLET BOX LOCATIONS WITH MASONRY TO MINIMIZE CUTTING OF BRICK OR BLOCK.
5. ALL MOUNTING HEIGHTS TO BOTTOM OF ITEM UNLESS OTHERWISE NOTED.
6. E.C. SHALL REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS FOR THE REQUIREMENTS ASSOCIATED WITH PIPING AND CONNECTIONS, INTERLOCKING AND CONTROLS OF MECHANICAL UNITS AND THERMOSTAT LOCATIONS.
7. CONDUIT RUN W/CONDUCTORS AS INDICATED. CONDUIT SIZE AS REQUIRED. CONDUIT RUN TO PANEL. DEVICE SIZE AS INDICATED (AMP)/ POLE. CIRCUIT WITHOUT INDICATION IS ROUTED TO 20A-1P, BREAKER.
8. A. GROUND CONDUIT SIZED PER N.E.C. ARTICLE 250 IS REQUIRED IN ALL POWER, RECEPTACLE, AND LIGHTING CIRCUITS. GROUND CONDUCTORS ARE NOT SHOWN ON DRAWINGS.

[illegible]

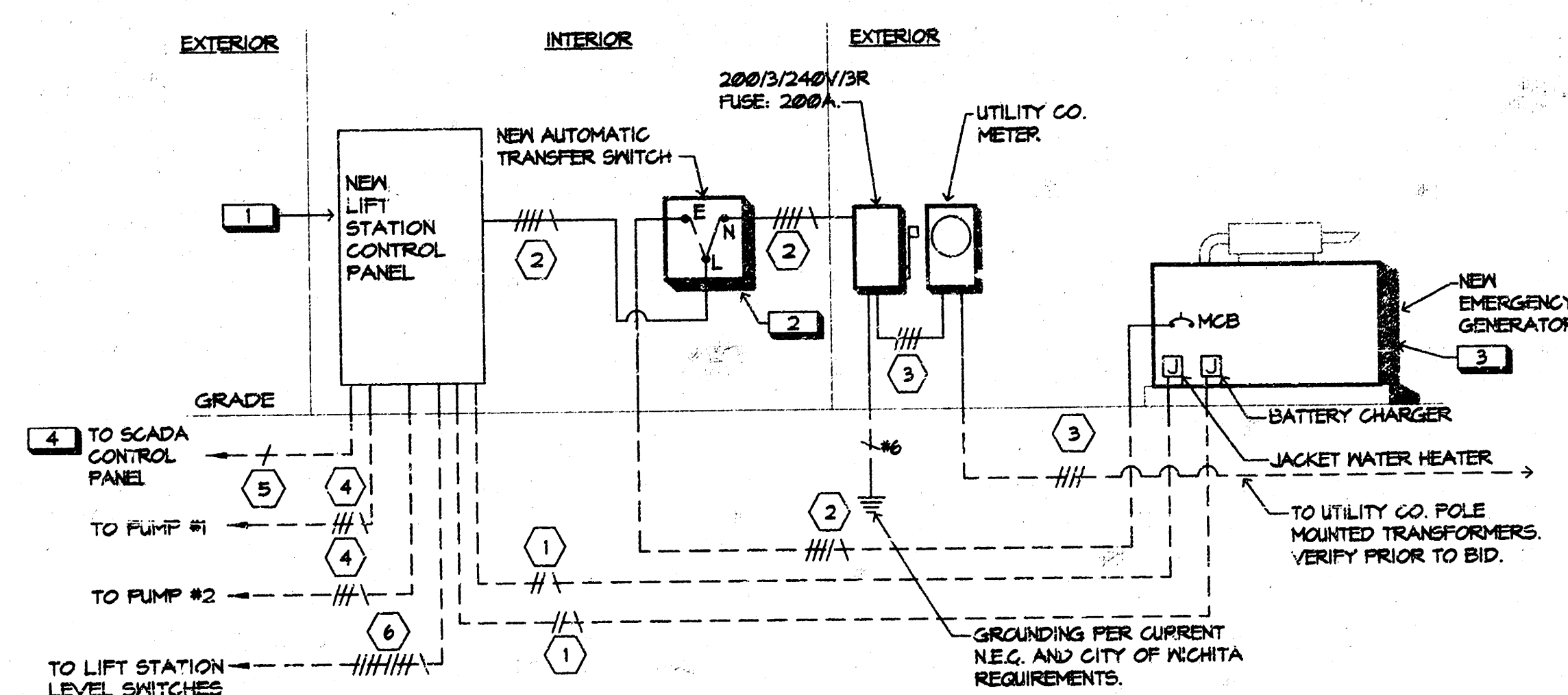
① WIRING AS REQUIRED FOR ALL ALARM CONDITIONS AND TIE-INS PLUS 20% SPARES. VERIFY WITH MANUFACTURERS AND OWNER PRIOR TO BID.

RIDGE PORT ADDITION ELECTRICAL RISER AND SITE SANITARY SEWER PUMP STATION				
BAUGHMAN COMPANY P.A. ENGINEERING, SURVEYING, & PLANNING				
318-262-7227 315 ELVIS WICHITA, KANSAS 67311				
PROJECT NUMBER 468-82839				SHEET 9
DESIGN <i>SWA</i>	DRAWN <i>SWA</i>	APPROVED	DATE	SCALE <i>1"=10'-0"</i>

29TH STREET NORTH

RIDGE PORT ADDITION LIFT STATION ELECTRIC

Scale: 1" = 10'



RIDGE PORT ADDITION LIFT STATION ELECTRICAL RISER DIAGRAM

NOT TO SCALE

VOLTAGE: 120. 0V 50 4 N/RE

NOTES: 1. VERIFY ALL PRIMARY AND SECONDARY ELECTRICAL SERVICE ENTRANCE REQUIREMENTS WITH LOCAL UTILITY CO. CODES AND ORDINANCES PRIOR TO BID.

NOTES: 1. VERIFY ALL PRIMARY AND SECONDARY ELECTRICAL SERVICE ENTRANCE REQUIREMENTS WITH LOCAL UTILITY CO. CODES AND ORDINANCES PRIOR TO BID.

VOLTAGE: 120. 0V 50 4 WIRE

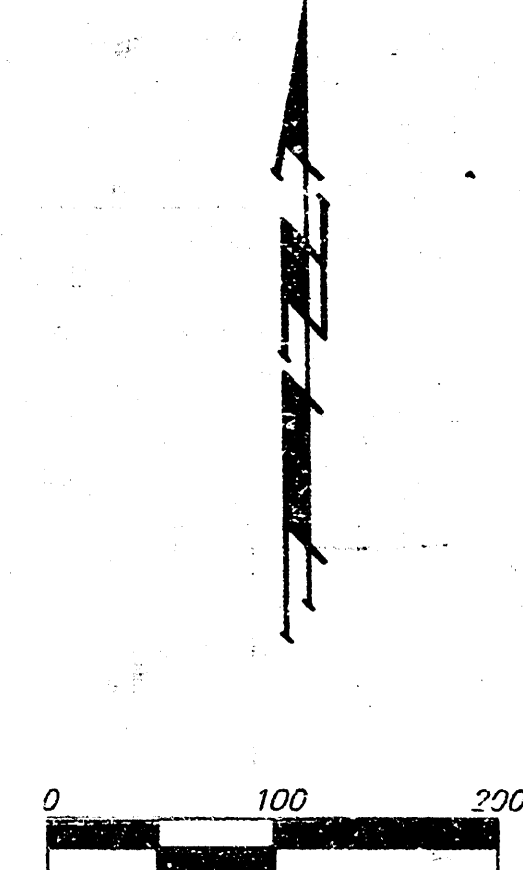
**Stefan,
Horgel
& Associates**

Electrical Engineering
and Design

626 N. Broadway, Suite E
Wichita, Ks. 67214-3597
(316) 264-3081
FAX: (316) 264-3542

RIDGE PORT ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS



(M) = Measured
 □ = Railroad Spike
 ○ = Found 3/4" Iron
 ● = Found 1/2" Iron
 ● = Set #4 Baughman Rebar

NOTE: PERIMETER BOUNDARY CORNERS HAVE BEEN SET. INTERNAL CONTROL POINTS ARE TO BE SET UPON COMPLETION OF SITE FILL WORK.

BLOCK	LOT(S)	ELEVATION (PER CITY DATUM)
1	1	139.6
3	1-16	139.6
4	17-39, 44-46, 49-64, 66-70	139.6

NOTE: NO BUILDING PERMITS ARE TO BE ISSUED FOR ANY LOTS WITHIN "RIDGE PORT ADDITION" UNLESS THE LOWEST FLOOR CAN BE CONSTRUCTED AT OR ABOVE THE BASE FLOOD ELEVATION OF UNLESS THE CITY OF WICHITA HAS RECEIVED A LETTER OF MAP REVISION FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY WHICH WILL THEN ALLOW BUILDINGS TO BE CONSTRUCTED AT THE LOWEST OPENING AS SPECIFIED ABOVE.

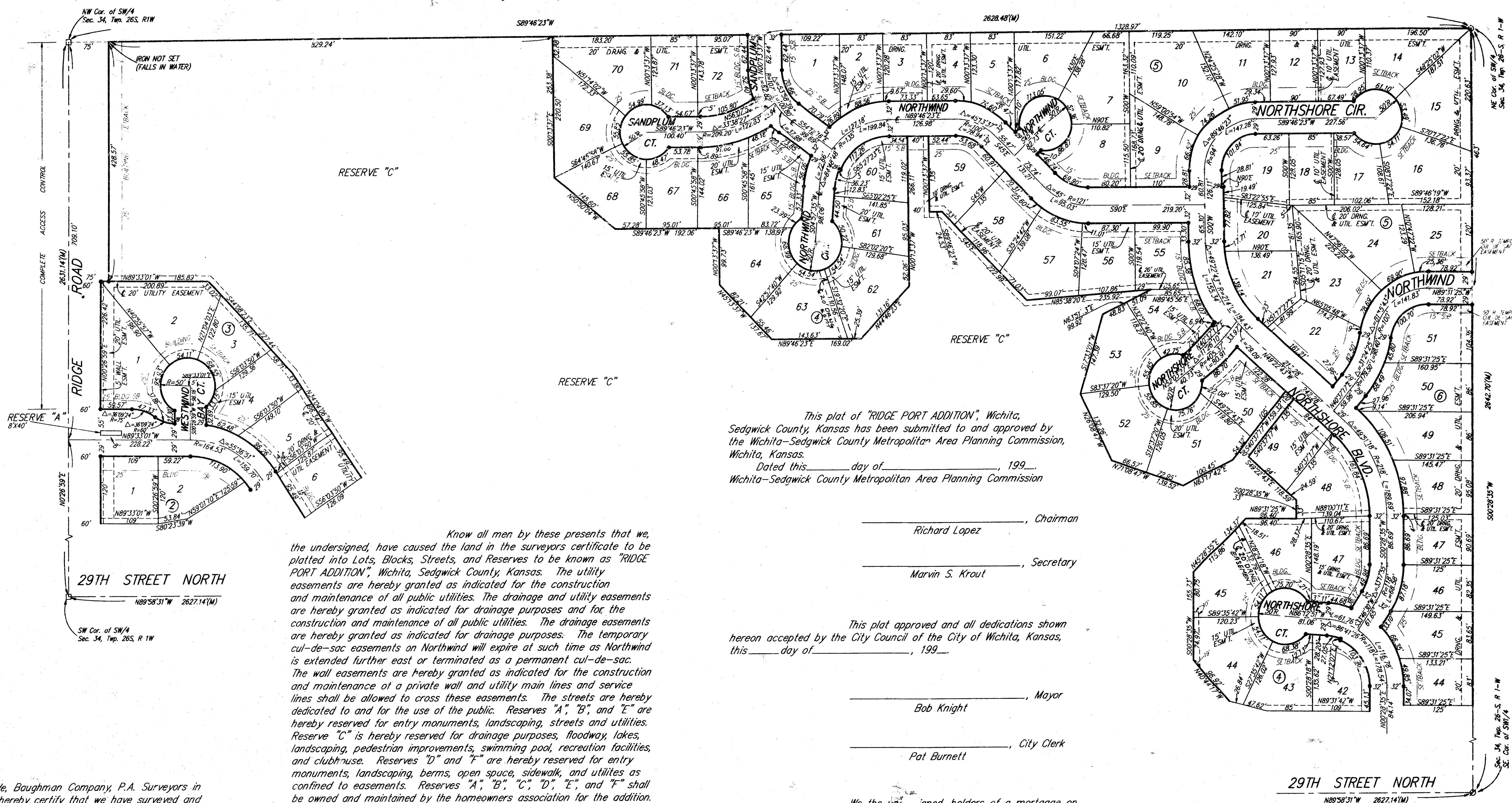
BENCHMARK:
 CITY DISC - SW COR. RIDGE RD. & 29TH ST. NO., 80.0' S. & 63.7' W. OF E. BOTH
 ELEV. = 138.15 CITY DATUM (1326.55 M.S.L.)
 CITY DISC - SW HUB GUARD ON R.C.B.C., 1/2 MI. N. OF 29TH ST. NO. & RIDGE RD.
 ELEV. = 144.22 CITY DATUM (1331.62 M.S.L.)

State of Kansas) SS
 Sedgwick County) We, Baughman Company, P.A. Surveyors in
 aforesaid County and State do hereby certify that we have surveyed and
 platted "RIDGE PORT ADDITION", Wichita, Sedgwick County, Kansas and
 that the accompanying plat is a true and correct exhibit of the property
 surveyed, described as follows: The SW 1/4 of Sec. 34, Twp. 26-S,
 R-1-W of the 6th P.M., Sedgwick County, Kansas, EXCEPT the Missouri-
 Pacific Railroad right-of-way, and EXCEPT that part lying south and west
 of said railroad right-of-way, and EXCEPT the west 60 feet and the south
 50 feet thereof dedicated for road.

Existing public easements and dedications being vacated
 by virtue of K.S.A. 12-512(b).

Baughman Company, P.A.

Michael A. Conrey 15-98 Surveyor
 Michael G. Conrey



This plat of "RIDGE PORT ADDITION", Wichita, Sedgwick County, Kansas has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.
 Dated this _____ day of _____, 199____
 Wichita-Sedgwick County Metropolitan Area Planning Commission

Richard Lopez, Chairman

Marvin S. Kraut, Secretary

This plat approved and all dedications shown hereon accepted by the City Council of the City of Wichita, Kansas, this _____ day of _____, 199____

Bob Knight, Mayor

Pat Burnett, City Clerk

We the undersigned, holders of a mortgage on the above described property, do hereby consent to this plat of "RIDGE PORT ADDITION", Wichita, Sedgwick County, Kansas.

The First National Bank

Chris A. Anderson, Branch President
 Chris A. Anderson

Entered on transfer record this _____ day of _____, 199____

James Alford, County Clerk

State of Kansas) SS
 Sedgwick County) The foregoing instrument acknowledged before me, this 20th day of MARCH, 1998, by Chris A. Anderson, Branch President of The First National Bank, on behalf of the bank.

My App'l. Exp. 11-7-2001
 JUDITH M. TERHUNE
 Notary Public - State of Kansas
 My App'l. Expires 11-7-2001

Judith M. Terhune, Notary Public
 JUDITH M. TERHUNE

State of Kansas) SS
 Sedgwick County) This is to certify that this plat has been filed for record in the office of the Register of Deeds, this _____ day of _____, 199____, at _____ o'clock _____ M., and is duly recorded.

Register of Deeds

Deputy

State of Kansas) SS
 Sedgwick County) The foregoing instrument acknowledged before me, this 20th day of JANUARY, 1998, by Jay W. Russell, Member of RRGNL, L.L.C., on behalf of the company.

My App'l. Exp. 11-7-2001
 JUDITH M. TERHUNE
 Notary Public - State of Kansas
 My App'l. Expires 11-7-2001

Judith M. Terhune, Notary Public
 JUDITH M. TERHUNE

RRGNL, L.L.C.

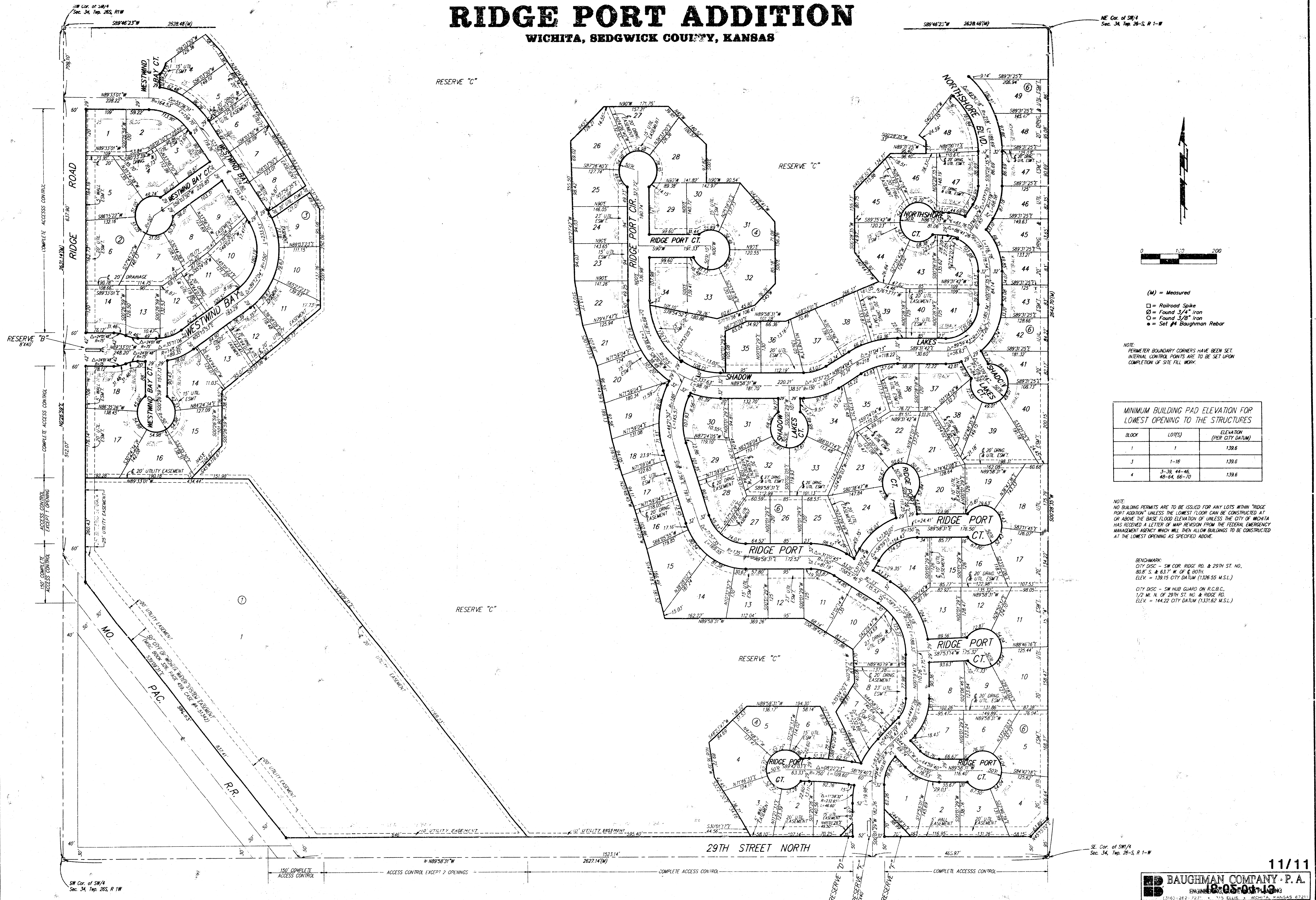
Jay W. Russell, Member

10/11

BAUGHMAN COMPANY P.A.
 ENGINEERING, SURVEYING & PLANNING
 (316) 262-7271 • 518 ELLIS • WICHITA, KANSAS 67211

RIDGE PORT ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS



MINIMUM BUILDING PAD ELEVATION FOR LOWEST OPENING TO THE STRUCTURES		
BLOCK	LOT(S)	ELEVATION (PER CITY DATUM)
1	1	139.6
3	1-16	139.6
4	1-39, 44-46, 48-64, 66-70	139.6

NOTE: NO BUILDING PERMITS ARE TO BE ISSUED FOR ANY LOTS WITHIN RIDGE PORT ADDITION UNLESS THE LOWEST FLOOR CAN BE CONSTRUCTED AT OR ABOVE THE BASE FLOOD ELEVATION OF UNLESS THE CITY OF WICHITA HAS RECEIVED A LETTER OF MAP REVISION FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY WHICH WILL THEN ALLOW BUILDINGS TO BE CONSTRUCTED AT THE LOWEST OPENING AS SPECIFIED ABOVE.

BENCHMARK: CITY DISC - SW COR. RIDGE RD. & 29TH ST. NO. 808' S. & 63.7' W. OF @ BOTH. ELEV. = 139.15 CITY DATUM (1326.95 M.S.L.)

CITY DISC - SW HUB GUARD ON R.C.B.C. 1/2 MI. N. OF 29TH ST. NO. & RIDGE RD. ELEV. = 144.22 CITY DATUM (1331.62 M.S.L.)