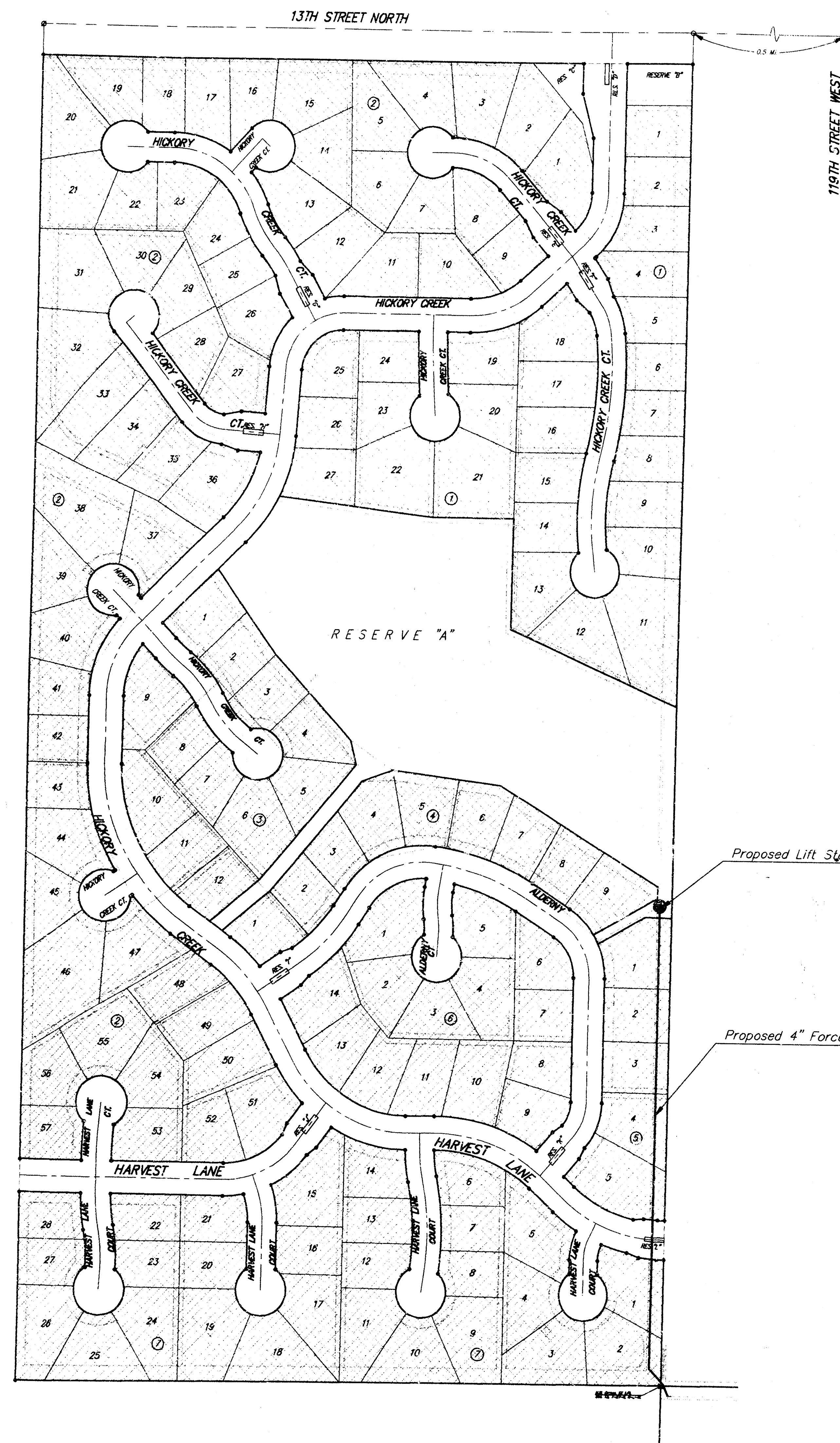




SANITARY SEWER LIFT STATION & FORCE MAIN IMPROVEMENTS

to serve

Hickory Creek Estates CITY OF WICHITA, KANSAS

Michael E. Lindebak, P.E. City Engineer

Project Number

468-76-245-82561-000-001

Index Code:

742593

Sheet Index

Title Sheet	1
Plan/Profile	2
Lift Station Site Plan	3
Lift Station Detail	4
Manhole Detail	5
Electrical Riser Plan	6
Plat of Hickory Creek Estates	7

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 383-8650
Kansas Gas & Electric Company 383-8600
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 rye grass 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 lift station site as necessary.
- The lump sum price bid for furnishing and installing lift station and miscellaneous appurtenances complete in place shall include all costs for furnishing and installing the lift 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, 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 Lift Station to Full Operational Condition as Required for Acceptance By The City of Wichita.
- The Contractor Shall Provide Appropriate Signage For The 4" Force Main as Required By The City of Wichita. Cost of Signage Shall Be Incidental to L.F. 4" Force Main.
- Contractor Shall Coordinate With Construction of Main 18" S.W.I. Sanitary Sewer Improvements, Project Number 468-82560.

Benefit District



BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

Nail in Highline Pole Located
600' West and 31' North of the
North 1/4 Corner, Section 13,
TWP. 27-S, R-2-W.

"□" Cut on East Cap of North Side of Bridge Located 1350' East of North 1/4 Corner, Section 13, TWP. 27-S, R-2-W.

Install 4" Force
Main Location Sign.
(See Detail Sheet 3)

Sta 0+32.2
1 - 4" 22.5' Bend

Install 4" Force
Main Location Sign.
(See Detail Sheet 3.)

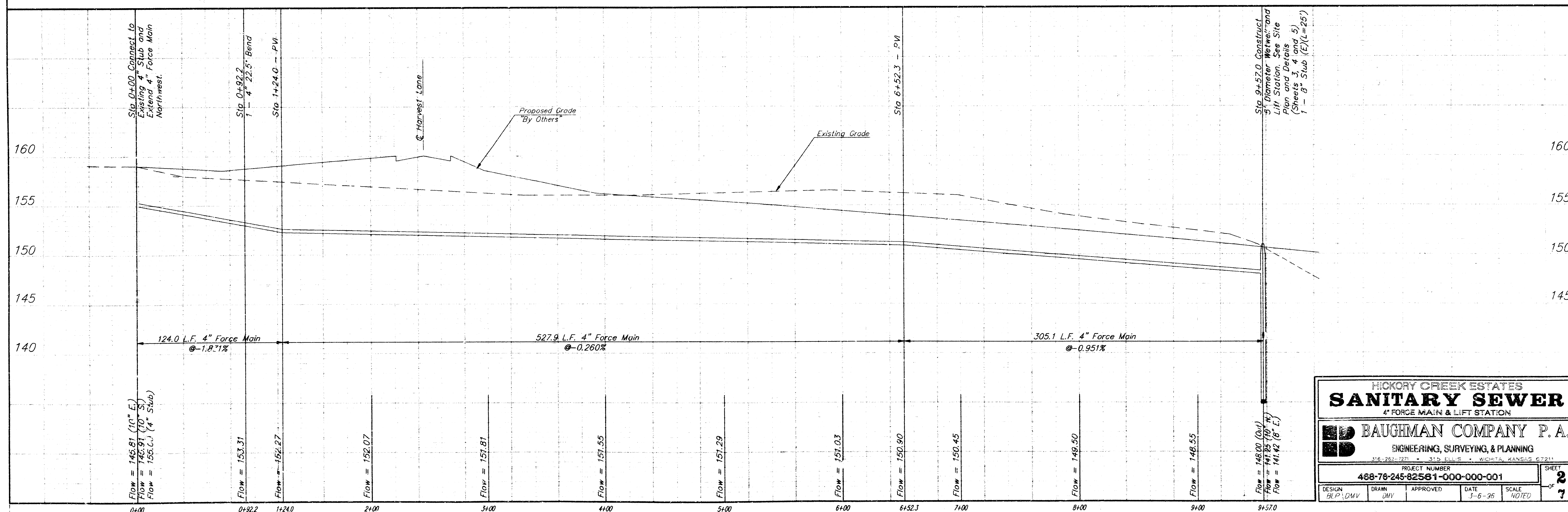
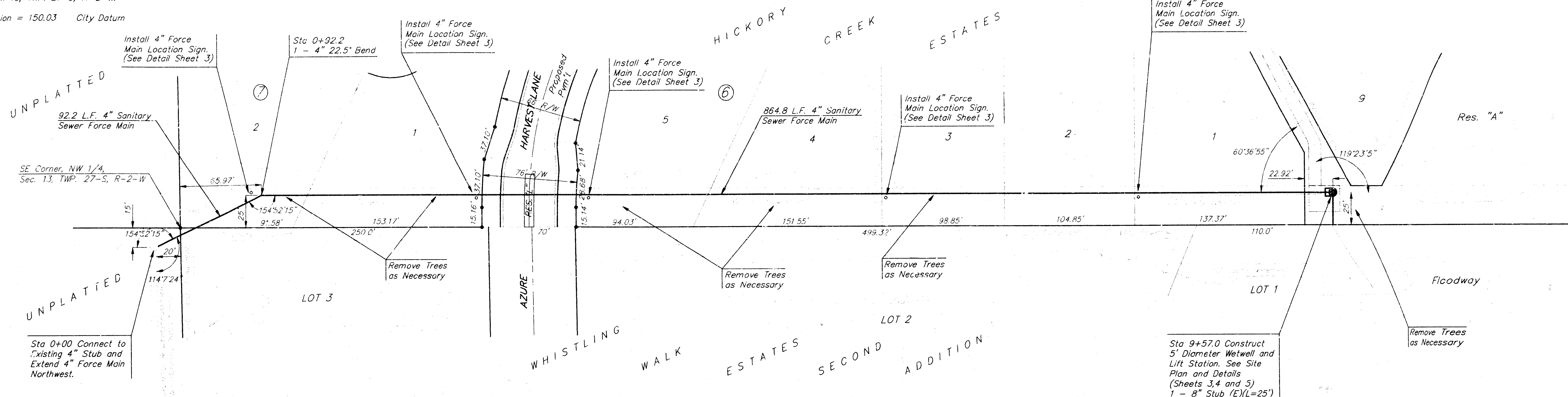
Install 4" Force
Main Location Sign.
(See Detail Sheet 3)

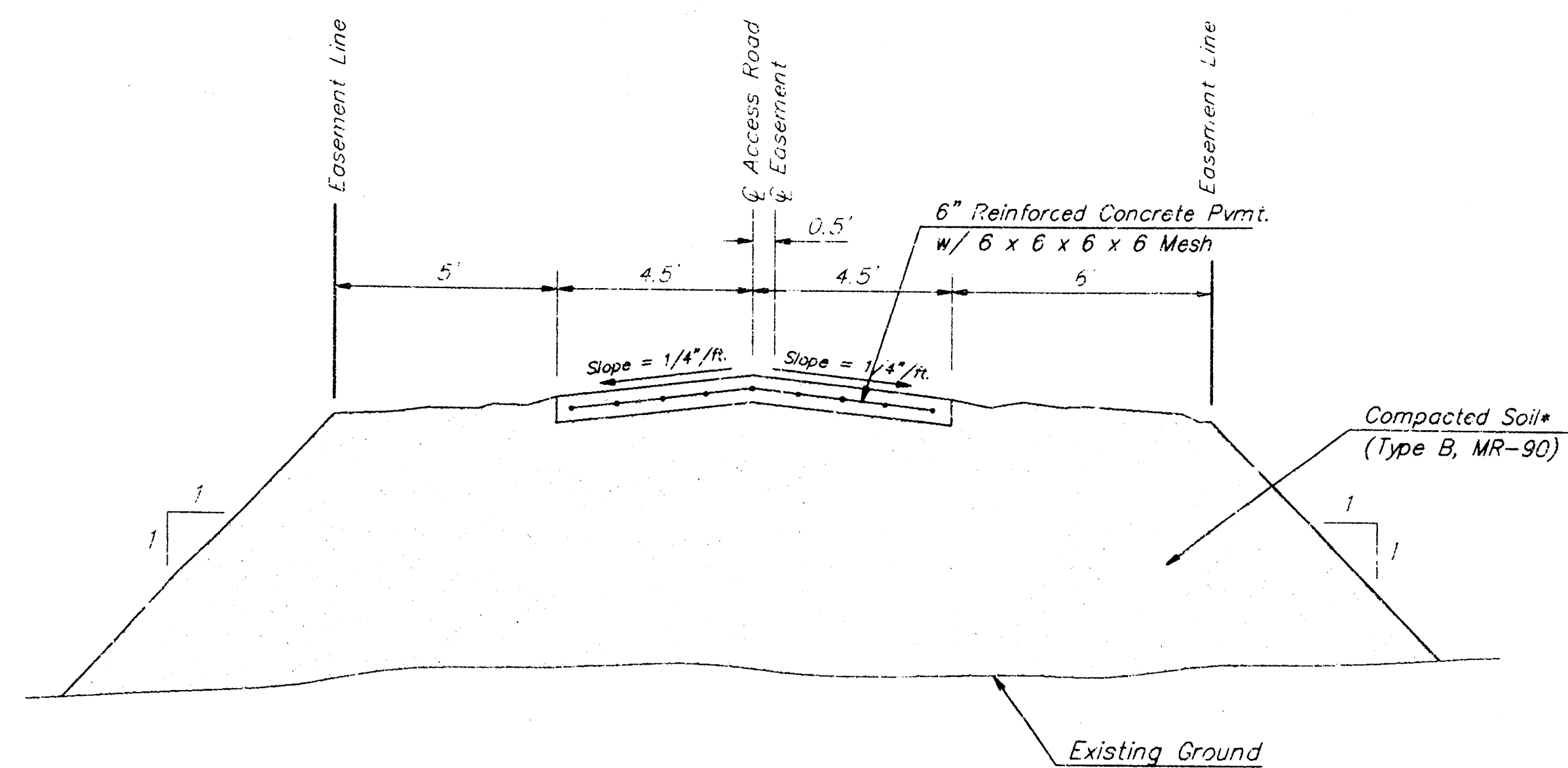
HICKORY CREEK ESTATES

Install 4" Force
Main Location Sign.
(See Detail Sheet 3.)

Install 4" Force
Main Location Sign.
(See Detail Sheet 3)

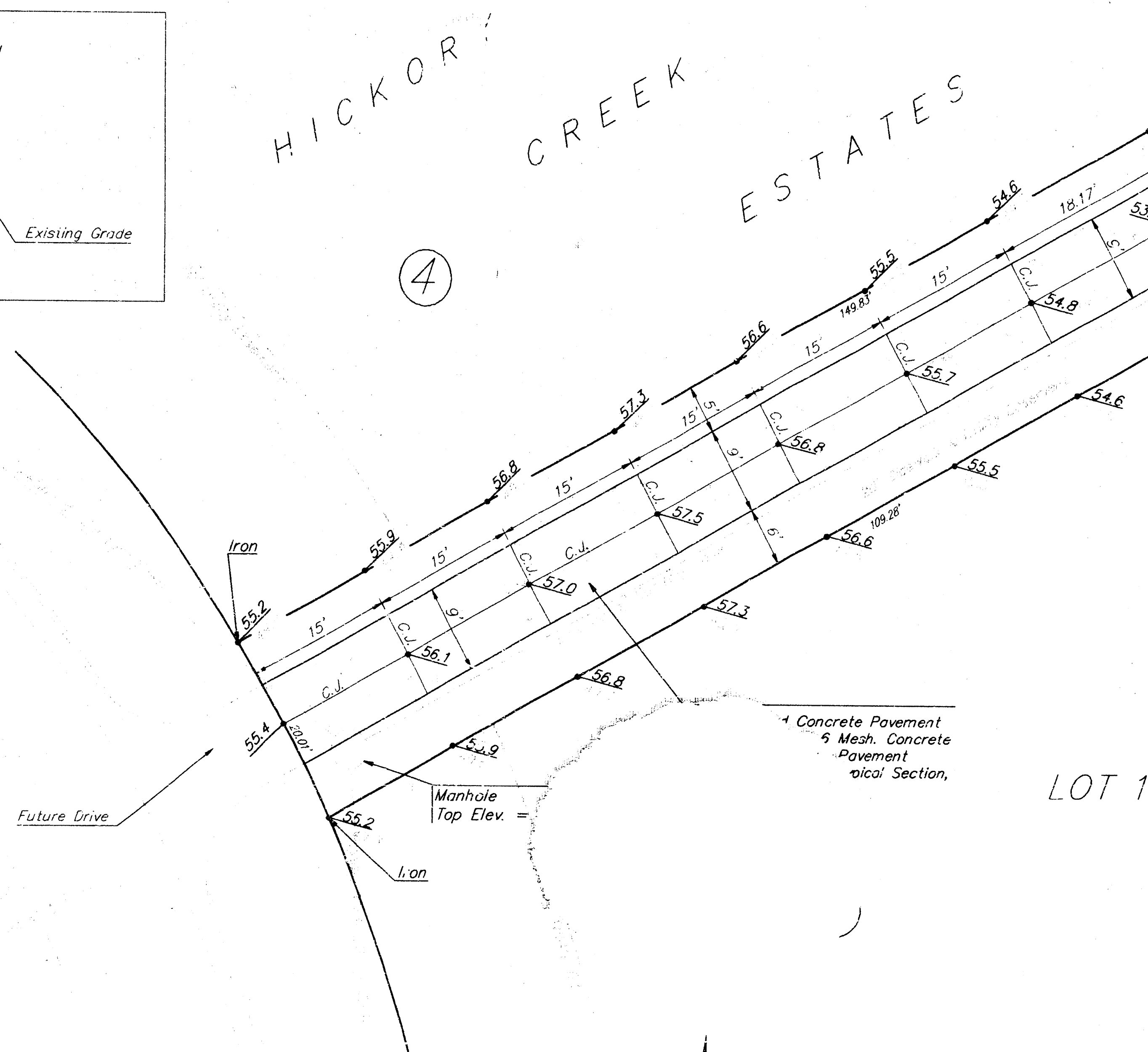
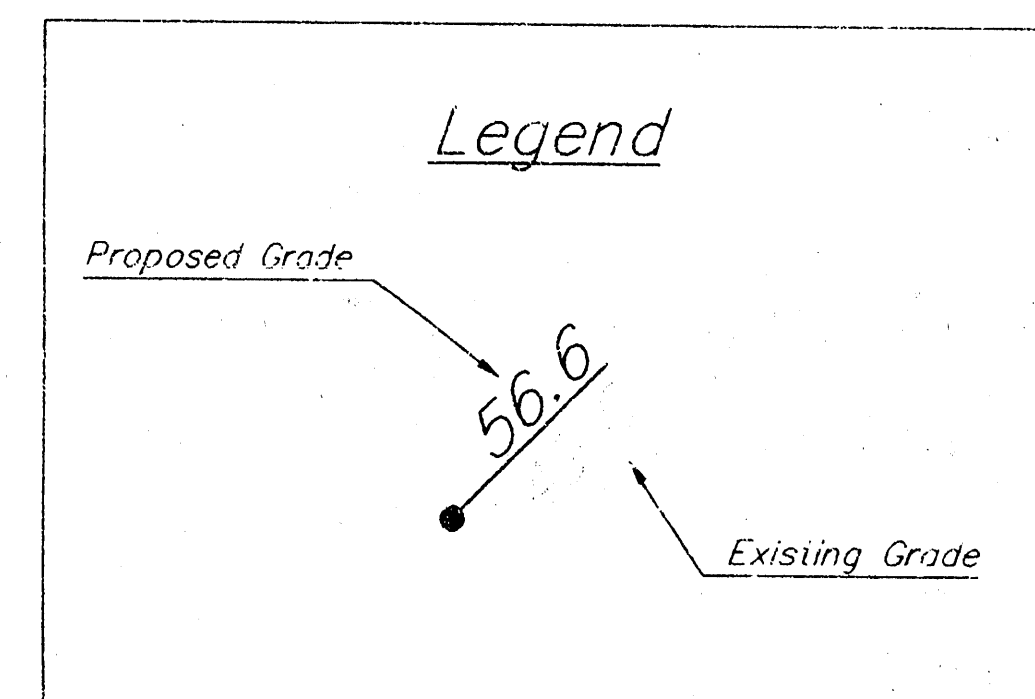
Scale: 1" = 40' Horizontal
1" = 5' Vertical
• = Iron





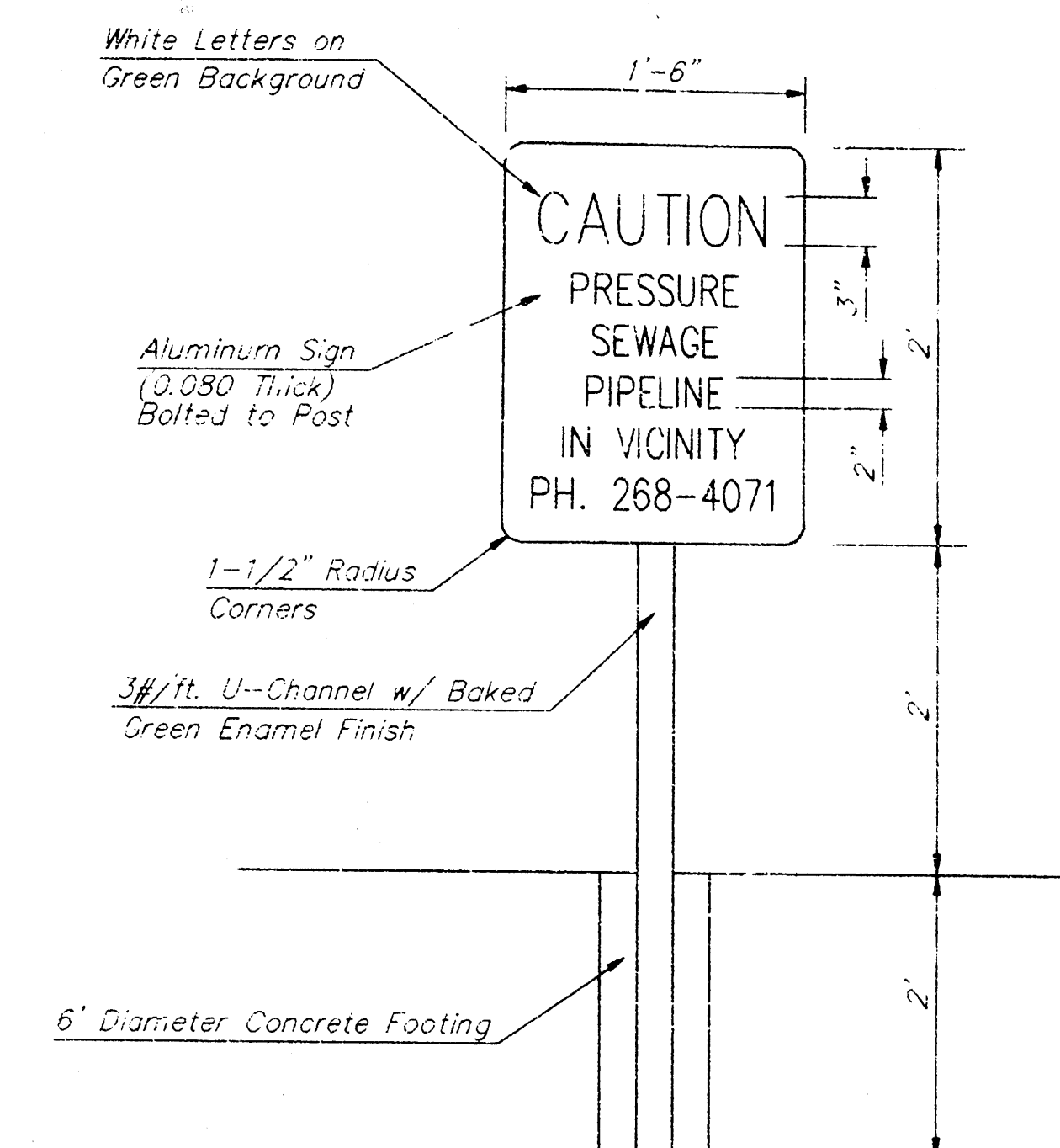
ACCESS ROAD - TYPICAL SECTION
No Scale

* Note: All Earthwork and Necessary Fill for Access Road Shall be Included in Bid Item "6" Reinforced Conc. Pmnt."



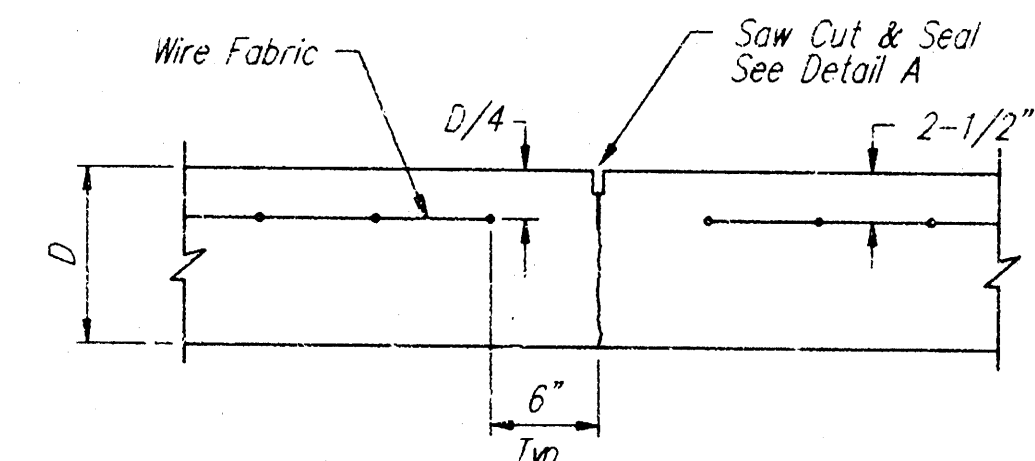
HICKORY CREEK ESTATES LIFT STATION
Scale: 1" = 10'

Lift Station Information							
	Pump	Flow	TDH	Motor HP	Impeller Dia.	Impeller No.	RPM
No. 1	495-11/12	100 gpm	20'	3	9.60"	1307	1150
No. 2	495-11/12	100 gpm	20'	3	9.60"	1307	1150
							Elec. Serv. Req.
							208V, 3Ø, 4-Wire

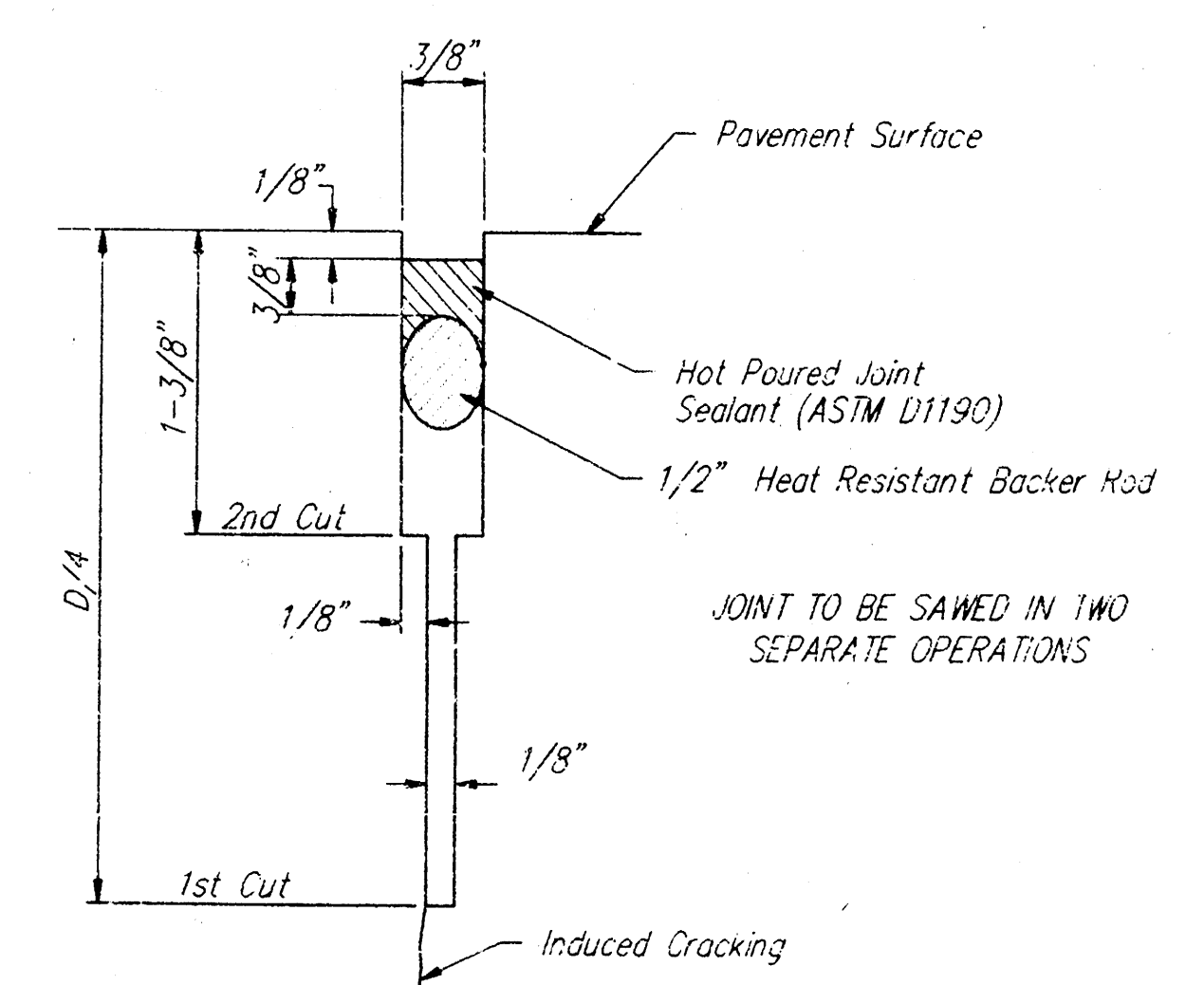


METAL WARNING SIGN DETAIL
No Scale

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. "4" Sanitary Sewer Force Main.



CONTRACTION JOINT DETAIL (C.J.)
No Scale



SAW JOINT DETAIL "A"
No Scale

Notes:

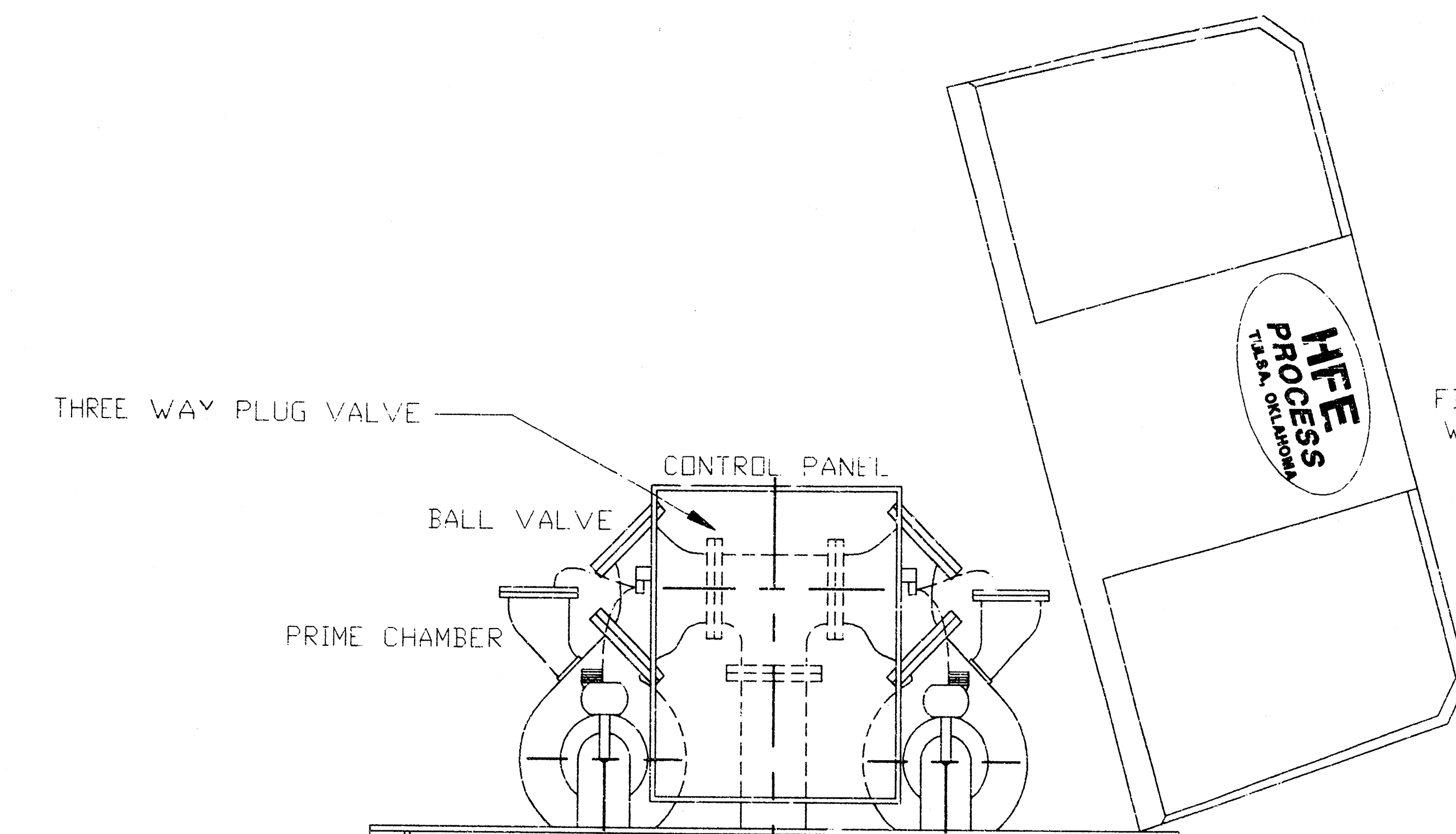
The Price Bid for Furnishing and Installing the Wet Well Mounted Lift Station With Standby Emergency Power and Miscellaneous Appurtenances Complete in Place Shall Include All Costs for Furnishing and Installing the Lift Station as Indicated Complete in Place and in Operation. This Price Shall Include 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, 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.

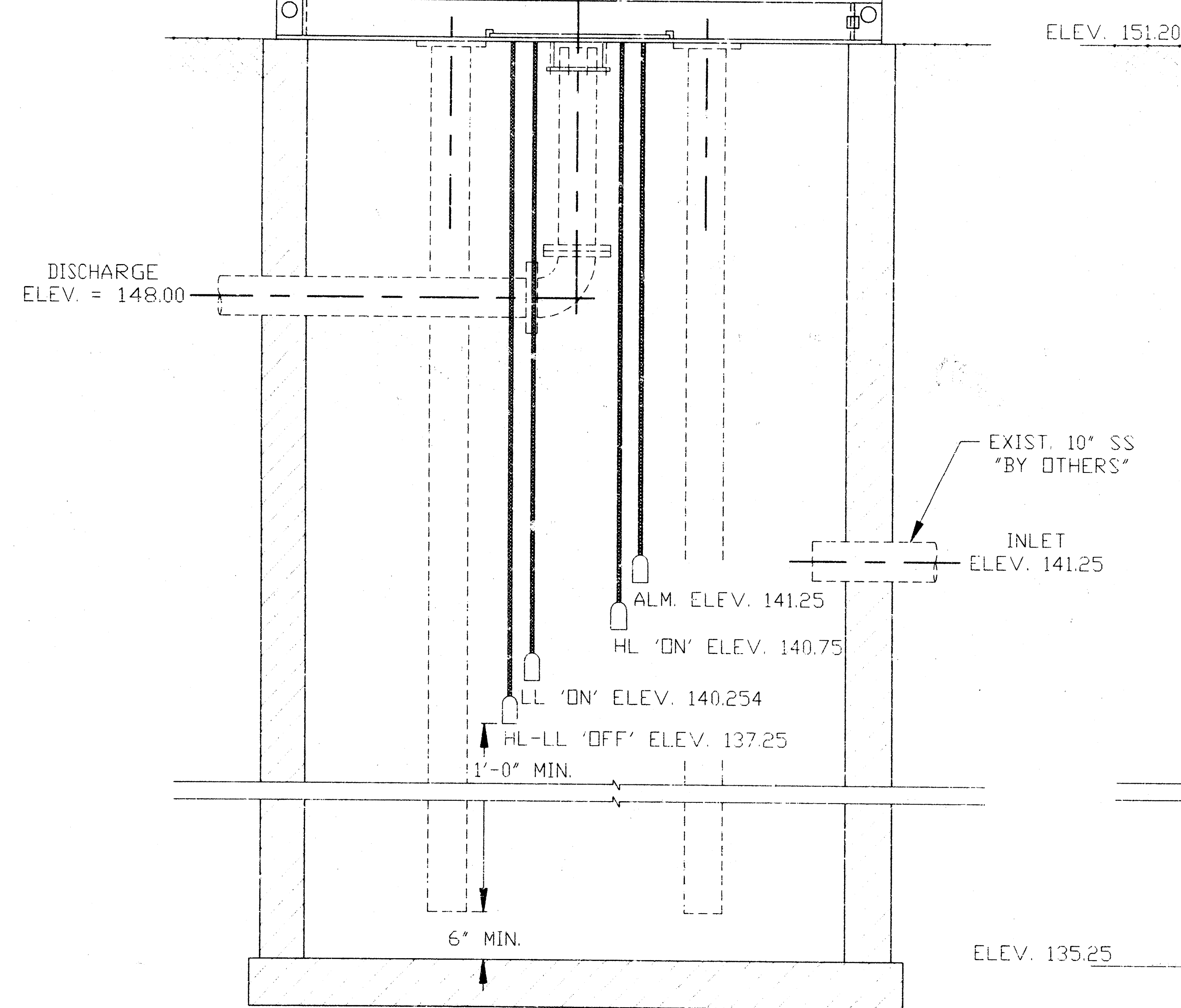
Metering Shall Be Established For Service Billing To J.W. Russell, 455 N. Maize Rd., Wichita, KS 67212. Ph. (316) 722-2417.

Temporary Access Road to Lift Station on Alderly and Harvest Lane until Future Pavement and Driveway are Constructed Shall be Responsibility of J.W. Russell and Not Included in this Contract.

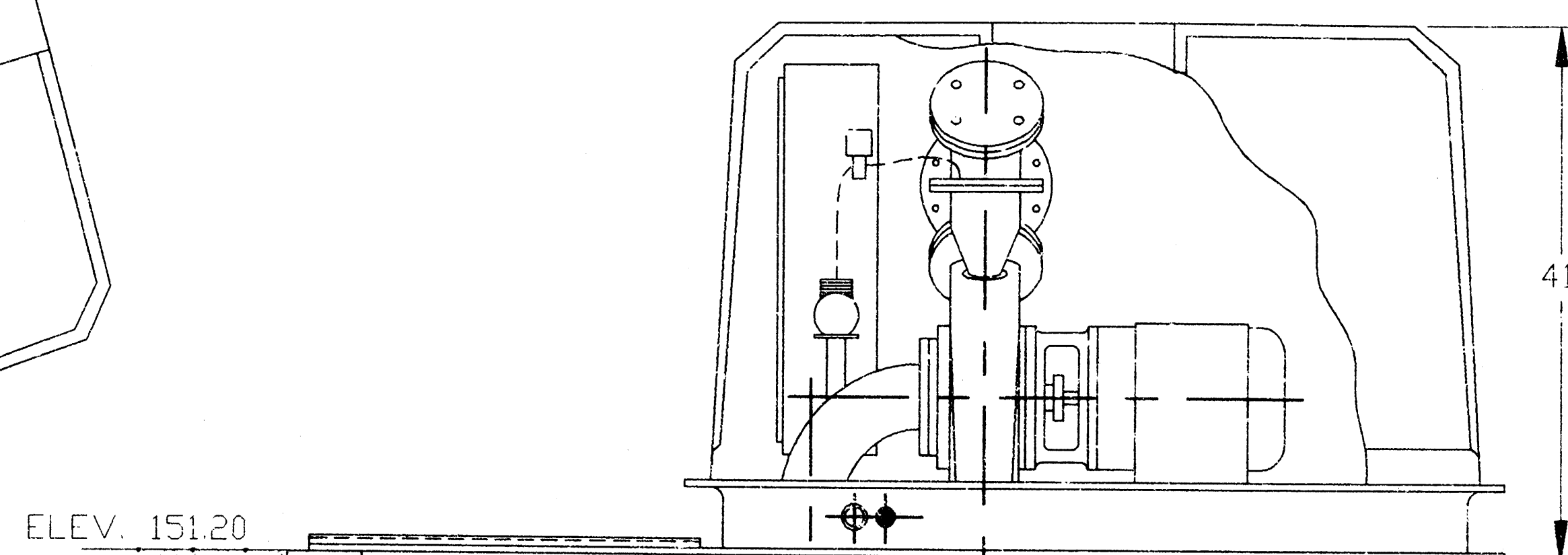
HICKORY CREEK ESTATES SITE PLAN SANITARY SEWER FORCE MAIN			
BAUGHMAN COMPANY P.A. ENGINEERING, SURVEYING, & PLANNING 316-262-7221 • 315 ELLIS • WICHITA, KANSAS 67211			
PROJECT NUMBER 468-78-245-82581-000-000-001			
DESIGN BLP/DMV	DRAWN DMV	APPROVED	DATE 3-6-96
SCALE NOTED		SHEET 3 OF 8	



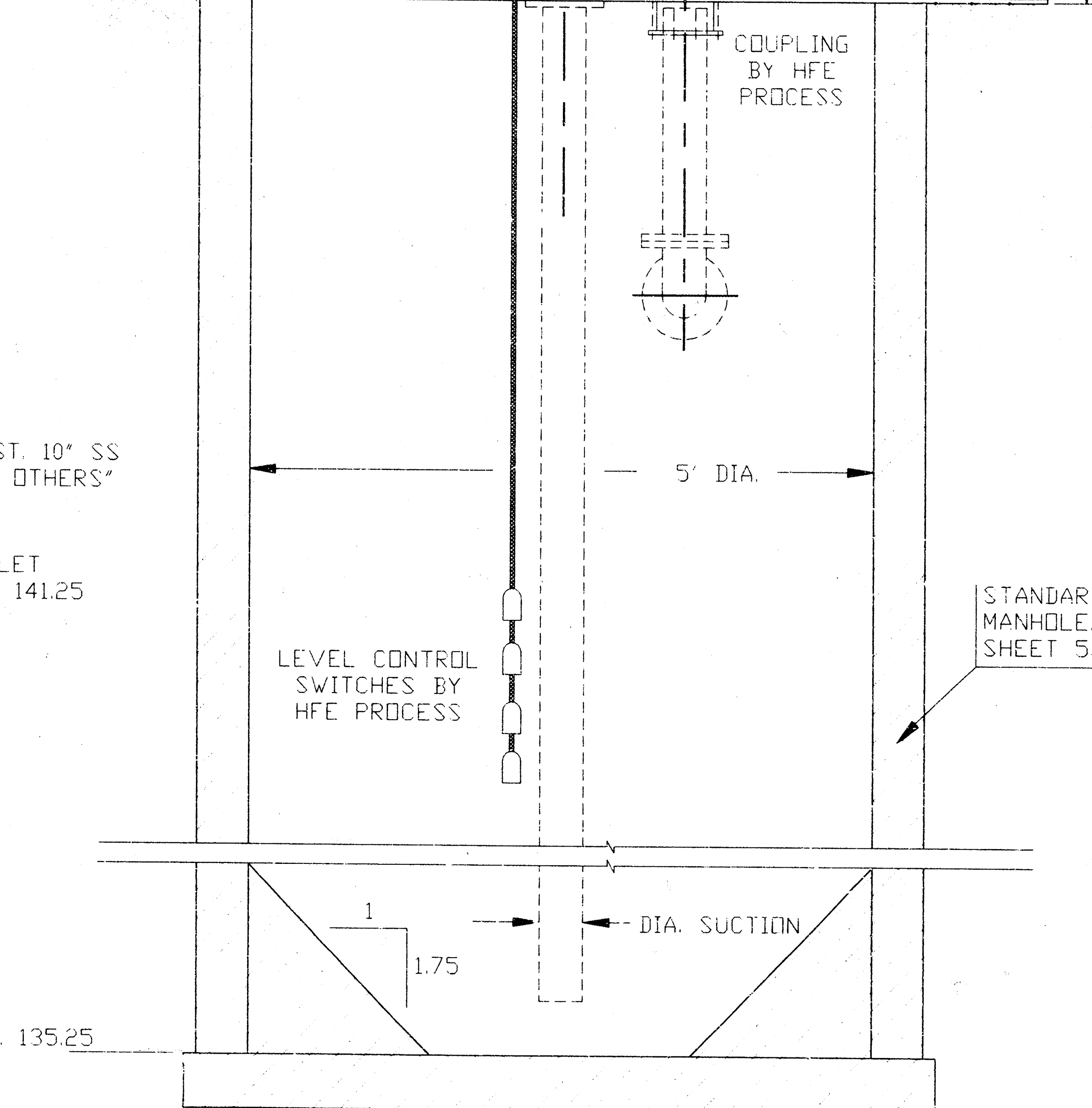
FIBERGLASS COVER
W/ VENT BLOWER



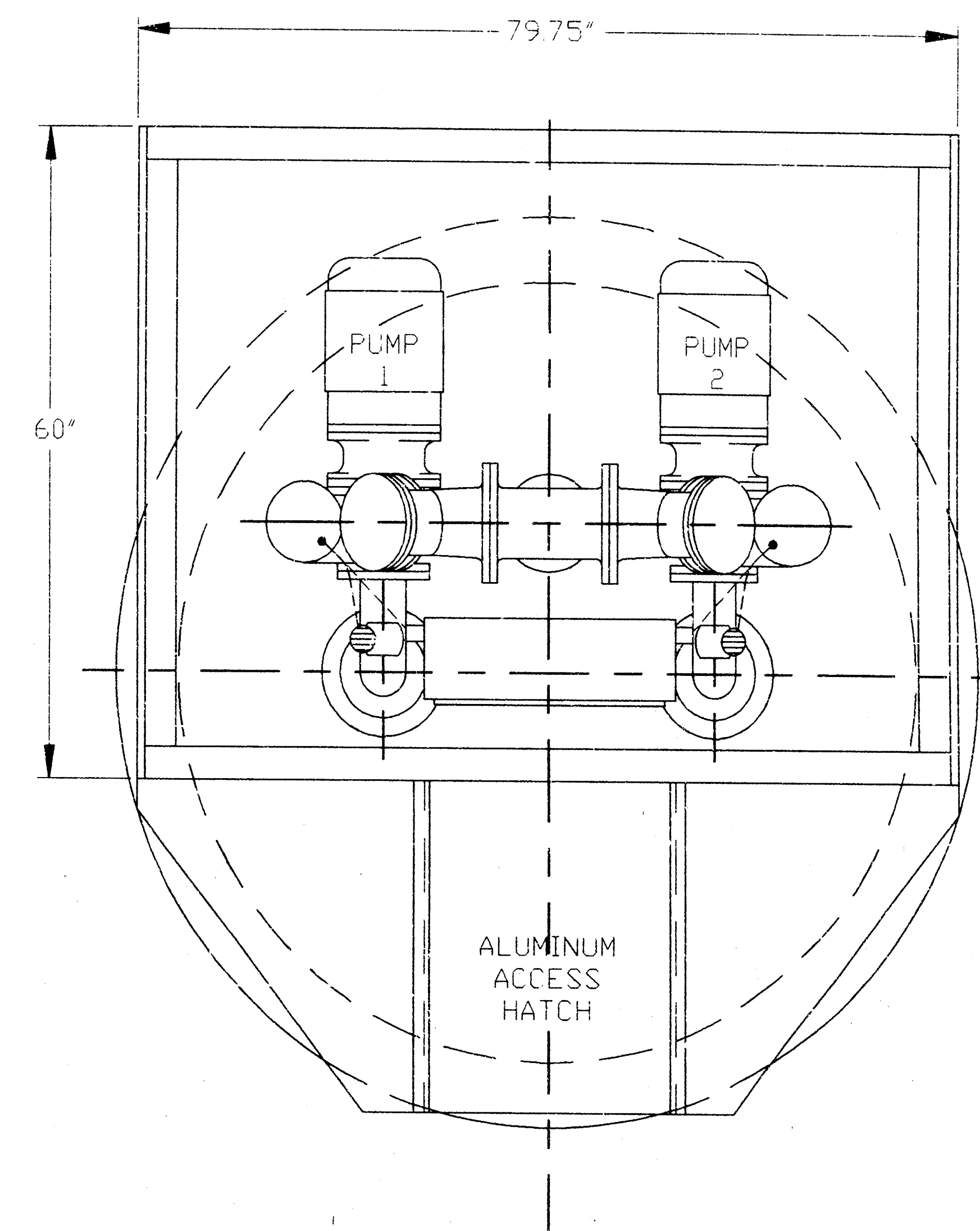
FRONT ELEVATION



ELEV. 151.20



SIDE ELEVATION



PLAN VIEW

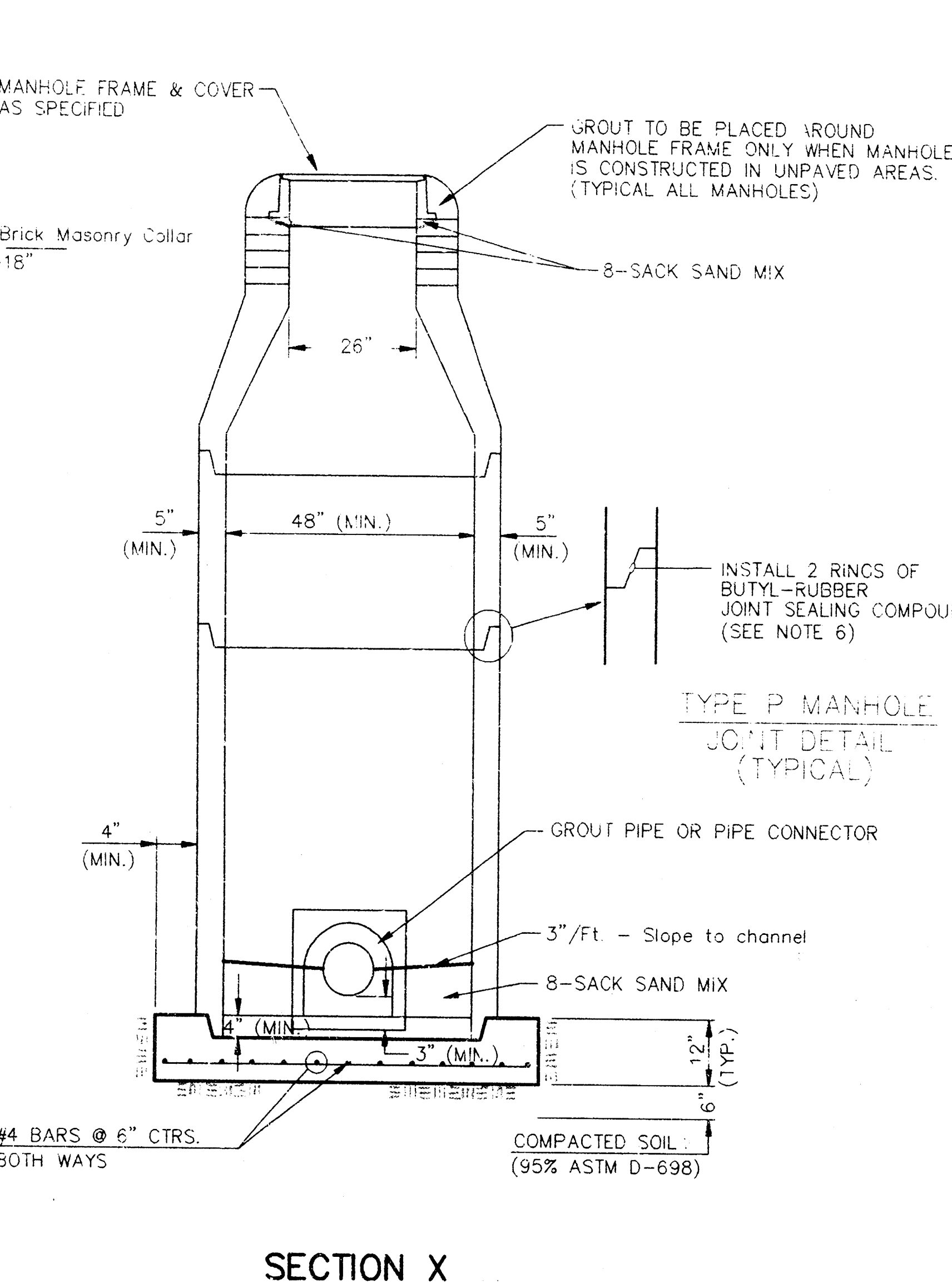
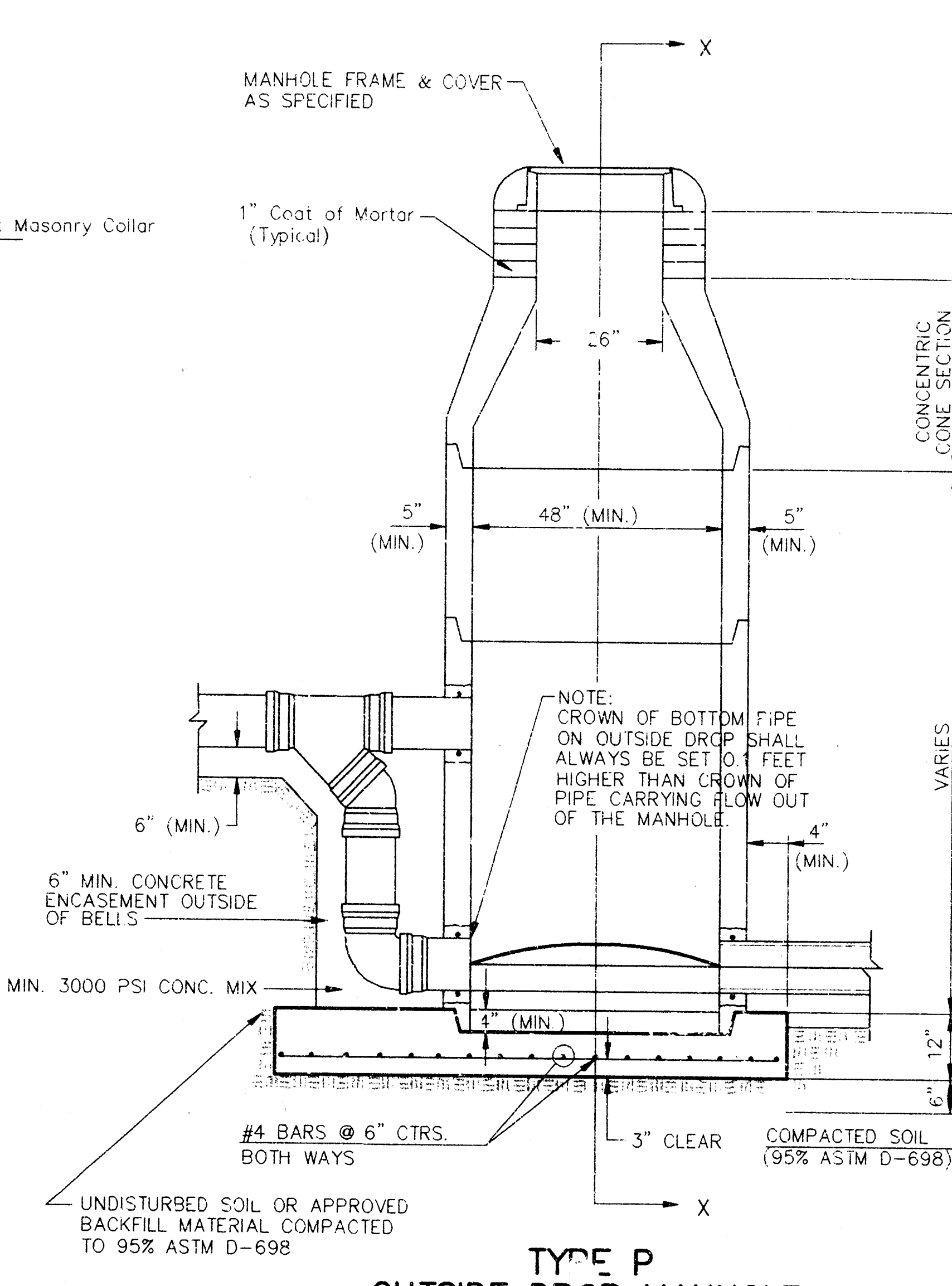
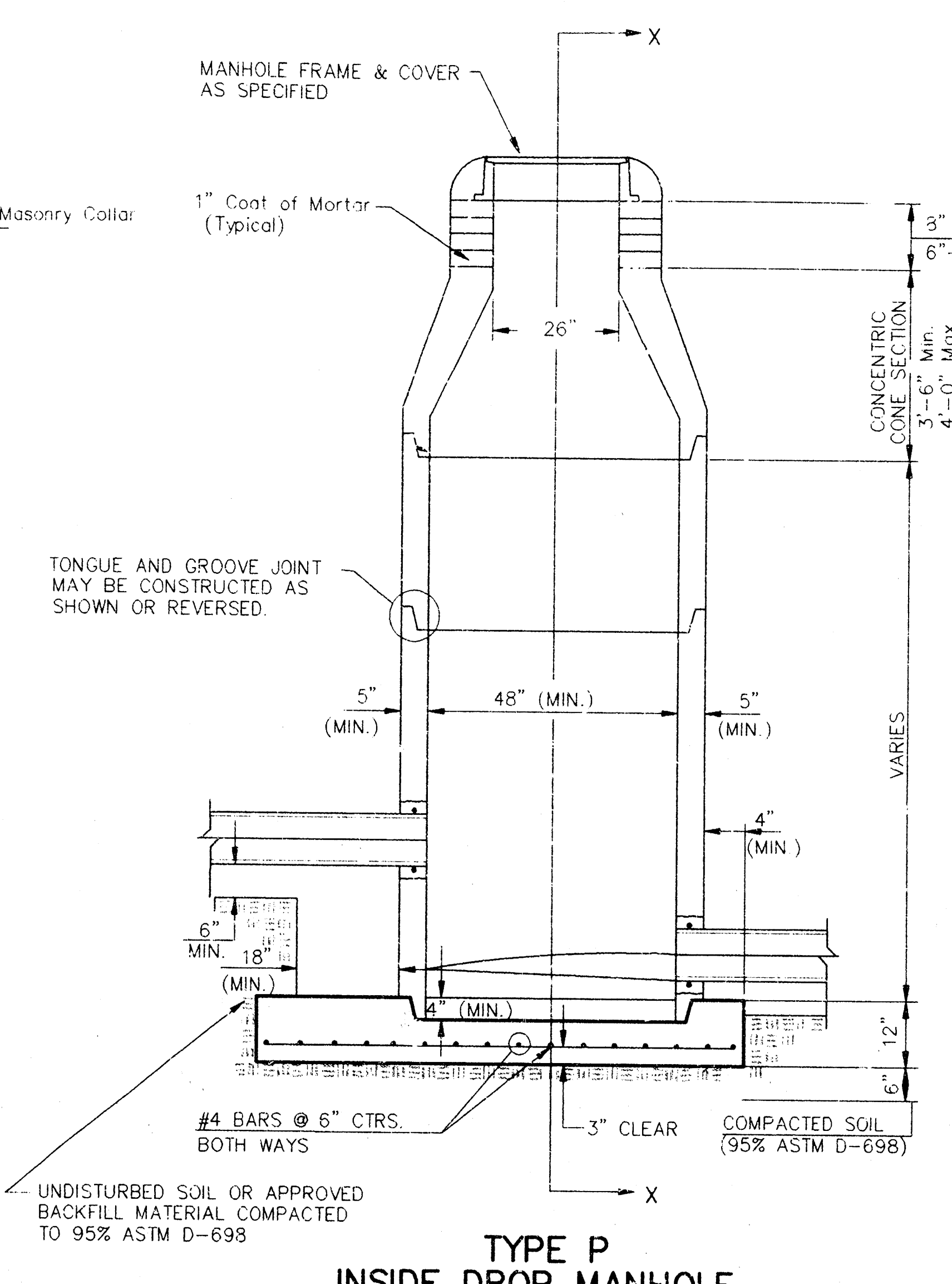
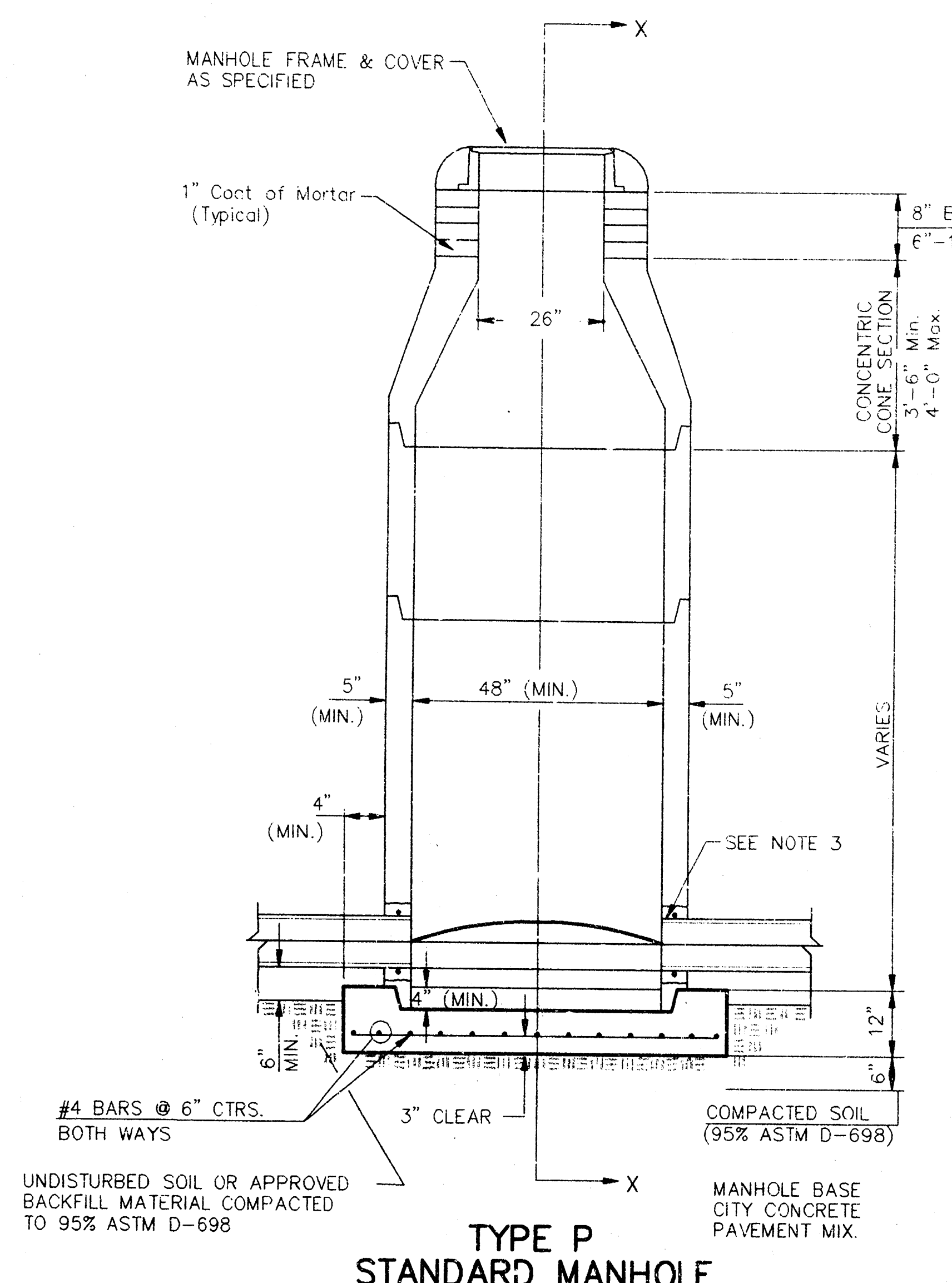
NOTES: 500 WATT HEATER - STD.
250 CFM VENT FAN - STD.
2" & .75" SERVICE CONN.

HFE PROCESS
7925 EAST 40TH STREET
TULSA, OKLAHOMA 74145
(918) 663-9083

**HFE
PROCESS**
TULSA, OKLAHOMA

NO.	DATE	REVISION	BY	APPD

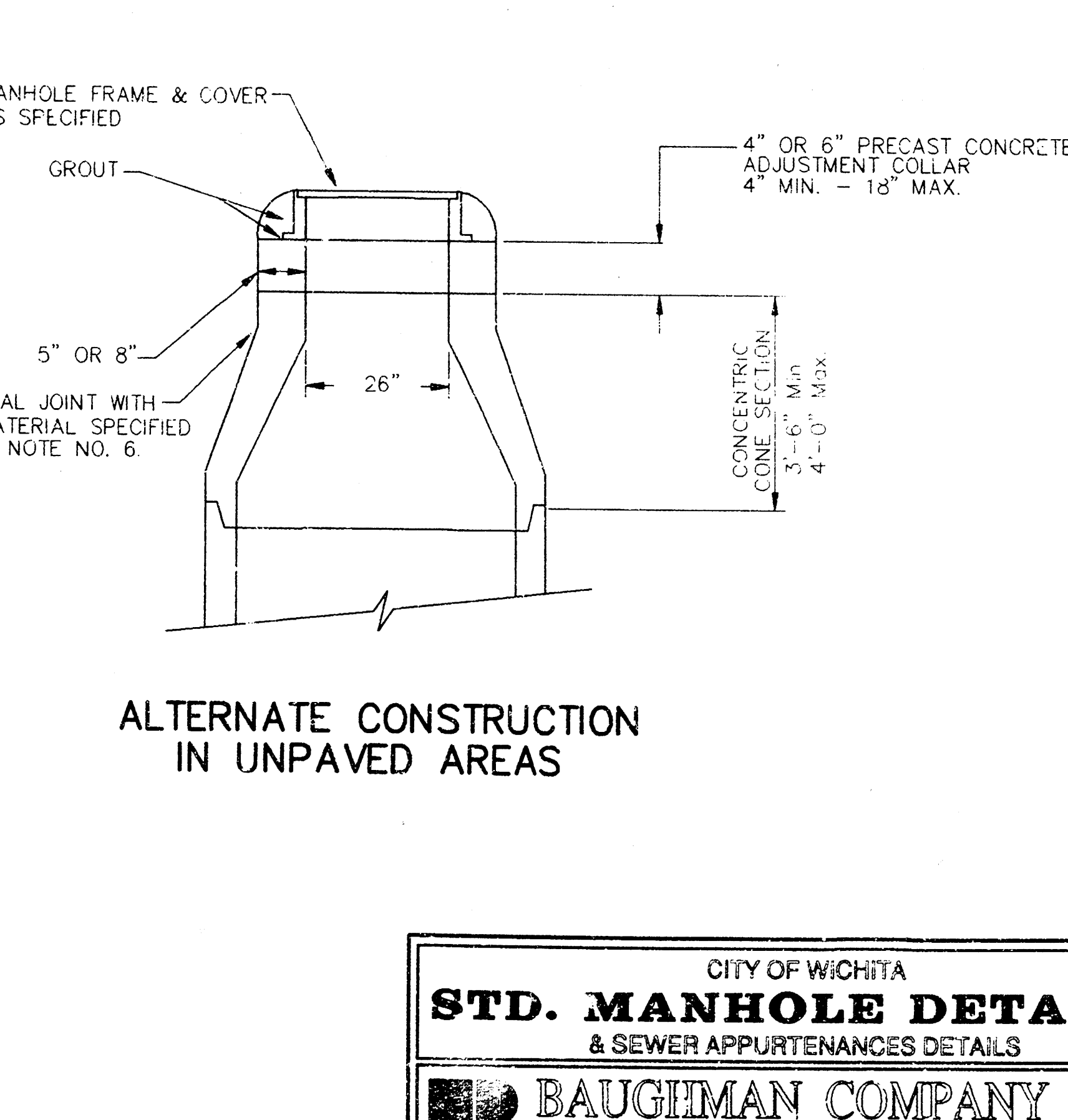
SEWER APPURTENANCES DETAILS



- 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 THE SEWER SHALL BE GROUTED IN PLACE WITH NON-SHRINK GROUT. THE 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 TNEC 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 8 SACKS OF CEMENT PER CUBIC YARD. CONCRETE USED IN MANHOLE BASES SHALL CONFORM TO THE REQUIREMENTS OF CONCRETE FOR CONCRETE PAVEMENT CONSTRUCTION AS SPECIFIED IN THE CITY STANDARD PAVING SPECIFICATIONS USING CITY CONCRETE PAVEMENT 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 DETAILS

BAUGHMAN COMPANY P.A.

ENGINEERING, SURVEYING, & PLANNING

316-262-7271 • 315-ELLS • WICHITA, KANSAS 67211

PROJECT NUMBER

468-78-245-82581-000-000-001

DESIGN DRAWN APPROVED DATE SCALE

12/93

SHEET

OF

5

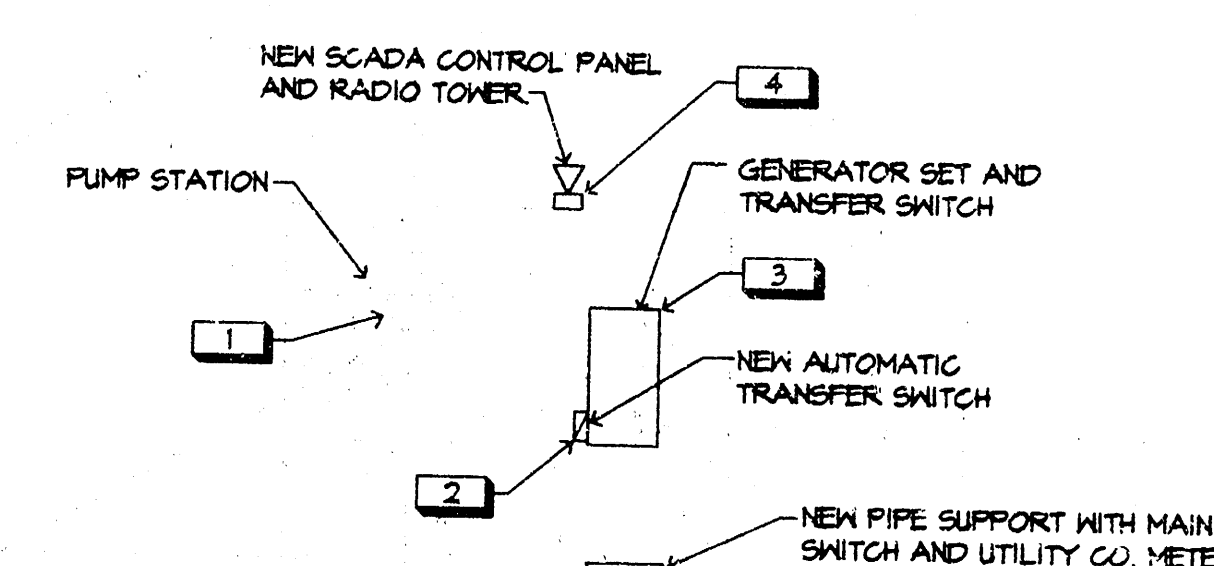
7

PLAN NOTES	
SYMBOL	DESCRIPTION
1	NEW LIFT STATION CONTROL PANEL TO INCLUDE THE FOLLOWING BREAKERS: (1) 15/3 FOR PUMPS (2) 20/1 FOR GENERATOR BATTERY CHARGER (3) 20/1 FOR JACKET WATER HEATER (4) 20/1 FOR SCADA CONTROL PANEL PROVIDE ALL WIRING AND CONNECTIONS PER MANUFACTURERS REQUIREMENTS. PROVIDE COMPLETE UNIT PER CITY OF NICHITA SPECIFICATIONS AND REQUIREMENTS.
2	NEW AUTOMATIC TRANSFER SWITCH, 100 AMP, 3 POLE, 200 VOLT, 3 PHASE WITH SOLID NEUTRAL AND GROUND BAR. PROVIDE WITH AUTOMATIC WEEKLY EXERCISER. PROVIDE COMPLETE UNIT PER CITY OF NICHITA SPECIFICATIONS AND REQUIREMENTS.
3	NEW EMERGENCY GENERATOR, NATURAL GAS, 30 KW, 120/208 VOLT, 3 PHASE, 4 WIRE PLUS GROUND WITH AUTO START, WEATHERPROOF ENCLOSURE AND ALL ASSOCIATED EQUIPMENT TO PROVIDE AUTOMATIC EMERGENCY BACKUP POWER. PROVIDE COMPLETE UNIT PER CITY OF NICHITA 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 NICHITA SPECIFICATIONS AND REQUIREMENTS.

FEEDER SCHEDULE						
FEEDER IDENT.	CONDUCTORS			GROUND	ISOLATED	CONDUIT
	SETS	QUANT. PER SET	SIZE	SIZE	SIZE	SI
				PER SET	PER SET	PER SET
1	1	2	#12	#12	3/4"	3/4"
2	1	4	#12	#12	1 1/2"	1 1/2"
3	1	4	#12	#12	3"	3"
4	1	3	#12	#12	3/4"	3/4"
5	1	(1)			3/4"	3/4"
6	1	5	#12	#12	3/4"	3/4"

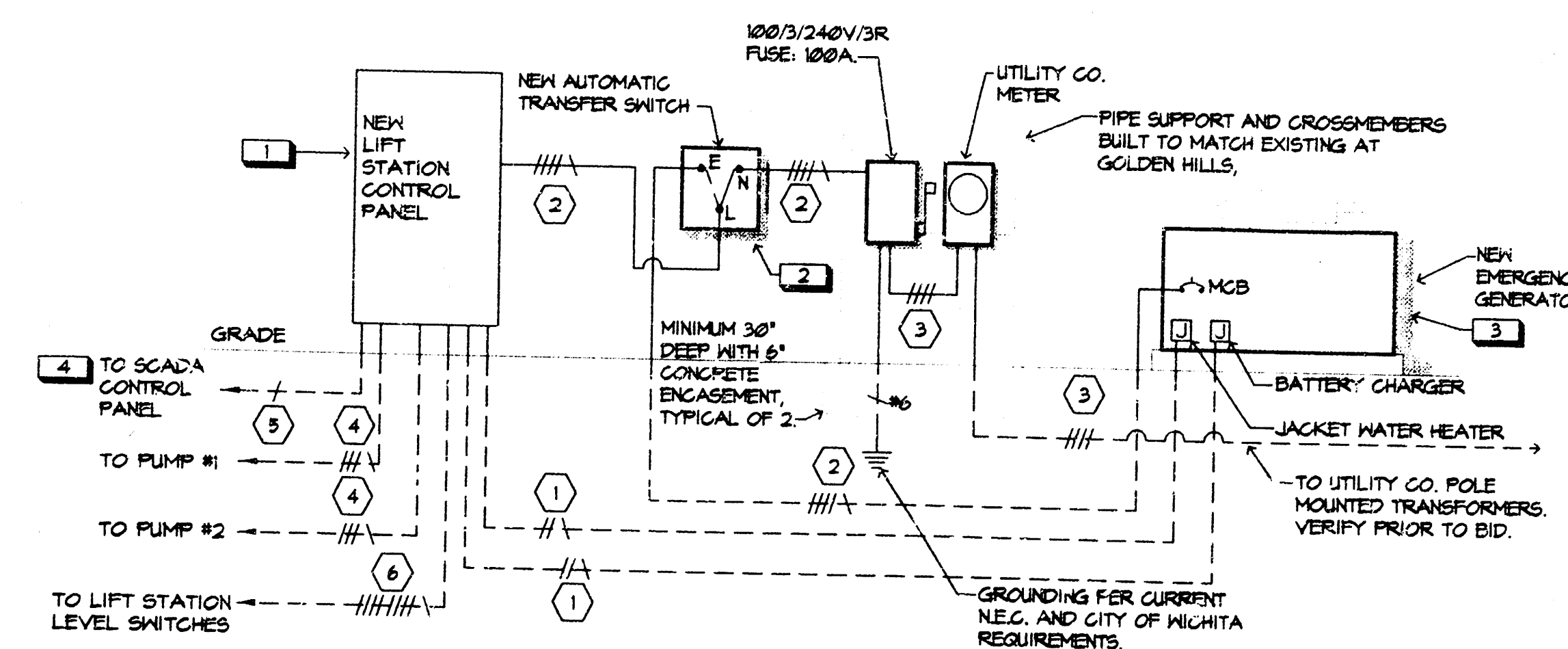
① WIRING AS REQUIRED FOR ALL ALARM CONDITIONS AND TIE-INS PLUS 20% SPARES. VERIFY WITH MANUFACTURERS AND OWNER PRIOR TO BID.

SYMBOL LIST		
SYMBOL	DESCRIPTION	MOUNTING
	FLUORESCENT FIXTURE & FIXTURE LETTER	CEILING
	FLUORESCENT FIXTURE & FIXTURE LETTER	CEILING
	INCAND. OR H.I.D. FIXTURE & FIXTURE LETTER	SURF. RECESS
	INCAND. OR H.I.D. FIXTURE & FIXTURE LETTER	HALL/BRACK
	EXIT FIXT. - SHADING DENOTES FACE(S)	CEIL./MALL
	GFCI DUPLEX GROUNDED RECEPTACLE	1'-3" AFF
	DUPLEX GROUNDED RECEPTACLE	1'-3" AFF
	EXTERIOR GFCI RECEPT. WEATHERPROOF	1'-3" AFF
	SPECIAL OUTLET, SEE SCHEDULE OR AS NOTED	
	TELEPHONE OUTLET (P-PAY, 48"X1/2"X48")	1'-3" AFF
	SWITCHES (1-POLE, 3-WAY, 4-WAY, PILOT KEY)	4'-0" TO TOP
	JUNCTION BOX	
	FUSTAT	
	SPECIAL DEVICE AS NOTED ON PLAN	
	BRANCH CIRCUIT PANEL & PANEL DESIG.	6'-6" TO TOP
	H.D. SAFETY SWITCH (AMPS, POLE, VOLTAGE)	6'-6" TO TOP
	STARTER (SIZE, POLE, V.C., TAG)	6'-6" TO TOP
	THERMOSTAT (BY M.C.)	4'-0" TO TOP
	MOTOR	
	CONDUIT RUN 2 #12 & #12 GRD - 1/2"	CEIL./MALL
	CONDUIT RUN 2 CIRCUITS #12 & #12 GRD - 1/2"	EARTH/FLOOR
	PARTIAL HOMERUN (MULTIPLE LOAD LOCATIONS)	
	SEE NOTE #1	
	FEEDER IDENTIFICATION, SEE SCHEDULE	
	WEATHERPROOF	
	INDICATES SWITCHING SCHEME	



HICKORY CREEK ESTATES LIFT STATION ELECTRICAL

Scale: 1" = 10'



HICKORY CREEK LIFT STATION ELECTRICAL RISER DIAGRAM

NOT TO SCALE

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

VOLTAGE: 277/480V 3Ø 4 WIRE

5-13-96

Stefan, D. Argenti Associates, Inc.

Electrical Engineering and Design
626 N. Broadway, Suite B
Wichita, KS 67214-3597
(316) 264-1001
FAX: (316) 264-3542

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.G. SHALL REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS FOR THE REQUIREMENTS ASSOCIATED WITH WIRING AND CONNECTION OF 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 200 AMP BREAKER.
8. A GROUND CONDUCTOR SIZED PER N.E.C. ARTICLE 250 IS REQUIRED IN ALL POWER, RECEPTACLE AND LIGHTING CIRCUITS. GROUND CONDUCTORS ARE NOT SHOWN ON DRAWINGS.

HICKORY CREEK RISER AND SITE PLAN

BAUGHMAN COMPANY P.A.

ENGINEERING, SURVEYING, & PLANNING

516-282-1221 • 310 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER

SHEET

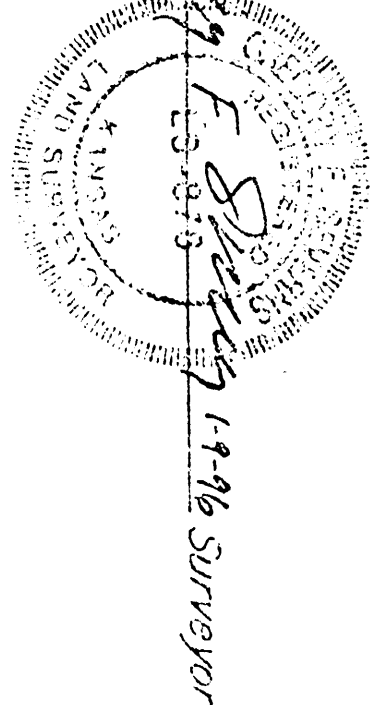
DESIGN SVA DRAWN SVA APPROVED DATE SCALE 1"=10'-0" 7

HICKORY CREEK ESTATES
WICHITA, SEDGWICK COUNTY, KANSAS

State of Kansas) SS We, Baughman Company, P.A., Surveyors in
Sedgwick County) and state do hereby certify that we have surveyed and
platted "HICKORY CREEK ESTATES", Wichita, Sedgwick County, Kansas,
and that the accompanying plat is a true and correct exhibit of the
property surveyed described as follows: The E1/2 of the NW 1/4 of
Sec. 13, Twp. 27-S, R-2-W of the 6th P.M., Sedgwick County, Kansas.
Existing public easements and dedications being vacated by
virtue of K.S.A. 12-512(b).

Baughman Company, P.A.

Gregory F. Stevens



Gregory F. Stevens, State Surveyor

Now all men by these presents that we,
the undersigned, have caused the land described in the Streets to
be platted to be platted into Lots, Blocks, Easements and Reserves
to be known as "HICKORY CREEK ESTATES", Wichita, Sedgwick County, Kansas.
The utility easements are hereby granted as indicated for the construction
and maintenance of all public utilities. The drainage easements are hereby
granted as indicated for drainage purposes. The well easements are hereby
granted as indicated for the construction and maintenance of
private screening wells and utility man lines and service lines are allowed
to cross these easements. The drainage and utility easements are hereby
granted as indicated for drainage purposes and for the construction and
maintenance of all public utilities. The sidewalk and utility easement is
hereby granted as indicated for the construction and maintenance
of a sidewalk for pedestrian access to and from Reserve "A" and for
drainage easements are hereby granted as indicated for the construction
and maintenance of a sidewalk for pedestrian access to and from Reserve "A"
and for drainage purposes. Reserve "A" is hereby reserved for drainage,
swimming pool, club house, open space, landscaping, tennis, pedestrian
access, sidewalks, gazebos and utilities as confined to easements.
Reserves "B", "C", "D", "E", "F", "G", "H", "I", "J", "K", "L", "M", "N", "O", "P", "Q", "R", "S", "T", "U", "V", "W", "X", "Y", "Z",
are hereby reserved for entry monuments, landscaping, streets, and
utilities. Reserves "A", "B", "C", "D", "E", "F", "G", "H", "I", "J", "K", "L", "M", "N", "O", "P", "Q", "R", "S", "T", "U", "V", "W", "X", "Y", "Z",
and "Z" shall be owned and maintained by the Homeowners Association for
the auction. The streets are hereby dedicated to and for the use of the
public. All abutters rights of access to or from 13th Street North over
the north line of Reserves "B", "C", and "D" are hereby granted to the City of Wichita,
Kansas. The Minimum Building Foot Dimensions for the lowest opening to the
structures shall be as shown on the accompanying plat.

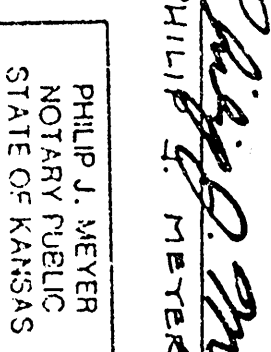
Hickory Creek, LLC

Joy W. Russell

Member

State of Kansas) SS The foregoing instrument acknowledged be-
fore me, this 8th day of JANUARY, 1996, by Joy W. Russell,
member of Hickory Creek, LLC on behalf of the company.

My App'l Exp. 5/15/97



Philip J. Meyer, Notary Public

We, the undersigned holders of a mortgage
on the above described property, do hereby consent to this plat of
HICKORY CREEK ESTATES, Wichita, Sedgwick County, Kansas.

Wichita Federal Savings and Loan Association

Sam E. Trammel

Vice-President

State of Kansas) SS The foregoing instrument acknowledged be-
fore me, this 8th day of JANUARY, 1996, by
Sam E. Trammel, Vice-President of Wichita Federal Savings and Loan
Association, on behalf of the association.

My App'l Exp. 5-17-97

Notary Public

This plat of "HICKORY CREEK
ESTATES", Wichita, Sedgwick County, Kansas has been submitted to and
approved by the Wichita-Sedgwick County Metropolitan Area Planning
Commission, Wichita, Kansas.
Dated this 14th day of November, 1995.
Wichita-Sedgwick County Metropolitan Area Planning Commission

Susan Osborne-Hones

Secretary



Marvin S. Kroll

Secretary

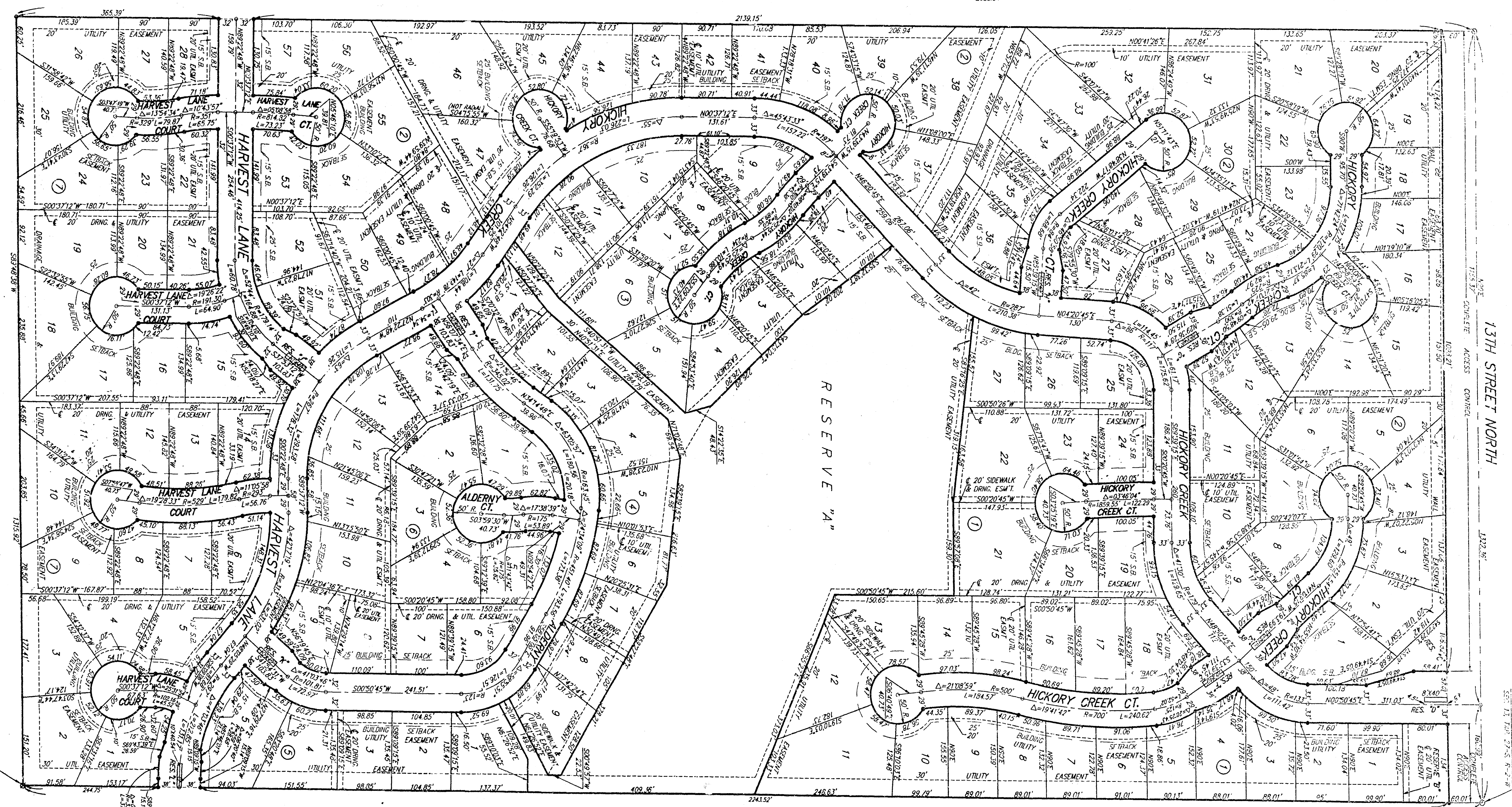
This plat approved and all dedications
shown hereon accepted by the City Council of the City of Wichita,
Kansas, this 23rd day of JANUARY, 1996.

Bob Krohn

Mayor

Pat Burnett

City Clerk



Entered on transfer record this 14th day
of February 1996.
Susan E. Crockett-Spood

Register of Deeds

State of Kansas) SS This is to certify that this plat has been
Sedgwick County) filed for record in the office of the Register of Deeds, this 8th day
of February, 1996, at 1:00 o'clock P.M., and is duly recorded.

Pat Kettler

Register of Deeds

Ed Reed

Deputy

FOR LOWEST OPENING OF SINDOLINE		
Lot & Block	Qty. Delivered	M.S.L.
11, 12, 13, 14, 21, 22, 27, Bk. 1		
1, 2, 3, 4, 5, 6, 12, Bk. 3	3, 1510	1338.4
1, 2, 3, 4, 5, 6, 7, 8, 9, Bk. 4		
1, Bk. 5		

1"=100'
• 4" GRADE W/ TRUCKWAY CAP (ST)
• 3/4" GRADE W/ TRUCKWAY CAP (ST)
• 1/2" GRADE W/ TRUCKWAY CAP (ST)
• 1/4" GRADE W/ TRUCKWAY CAP (ST)
• 1/8" GRADE W/ TRUCKWAY CAP (ST)
• 1/16" GRADE W/ TRUCKWAY CAP (ST)
• 1/32" GRADE W/ TRUCKWAY CAP (ST)
• 1/64" GRADE W/ TRUCKWAY CAP (ST)
• 1/128" GRADE W/ TRUCKWAY CAP (ST)
• 1/256" GRADE W/ TRUCKWAY CAP (ST)
• 1/512" GRADE W/ TRUCKWAY CAP (ST)
• 1/1024" GRADE W/ TRUCKWAY CAP (ST)
• 1/2048" GRADE W/ TRUCKWAY CAP (ST)
• 1/4096" GRADE W/ TRUCKWAY CAP (ST)
• 1/8192" GRADE W/ TRUCKWAY CAP (ST)
• 1/16384" GRADE W/ TRUCKWAY CAP (ST)
• 1/32768" GRADE W/ TRUCKWAY CAP (ST)
• 1/65536" GRADE W/ TRUCKWAY CAP (ST)
• 1/131072" GRADE W/ TRUCKWAY CAP (ST)
• 1/262144" GRADE W/ TRUCKWAY CAP (ST)
• 1/524288" GRADE W/ TRUCKWAY CAP (ST)
• 1/1048576" GRADE W/ TRUCKWAY CAP (ST)
• 1/2097152" GRADE W/ TRUCKWAY CAP (ST)
• 1/4194304" GRADE W/ TRUCKWAY CAP (ST)
• 1/8388608" GRADE W/ TRUCKWAY CAP (ST)
• 1/16777216" GRADE W/ TRUCKWAY CAP (ST)
• 1/33554432" GRADE W/ TRUCKWAY CAP (ST)
• 1/67108864" GRADE W/ TRUCKWAY CAP (ST)
• 1/134217728" GRADE W/ TRUCKWAY CAP (ST)
• 1/268435456" GRADE W/ TRUCKWAY CAP (ST)
• 1/536870912" GRADE W/ TRUCKWAY CAP (ST)
• 1/1073741824" GRADE W/ TRUCKWAY CAP (ST)
• 1/2147483648" GRADE W/ TRUCKWAY CAP (ST)
• 1/4294967296" GRADE W/ TRUCKWAY CAP (ST)
• 1/8589934592" GRADE W/ TRUCKWAY CAP (ST)
• 1/17179869184" GRADE W/ TRUCKWAY CAP (ST)
• 1/34359738368" GRADE W/ TRUCKWAY CAP (ST)
• 1/68719476736" GRADE W/ TRUCKWAY CAP (ST)
• 1/137438953472" GRADE W/ TRUCKWAY CAP (ST)
• 1/274877906944" GRADE W/ TRUCKWAY CAP (ST)
• 1/549755813888" GRADE W/ TRUCKWAY CAP (ST)
• 1/1099511627776" GRADE W/ TRUCKWAY CAP (ST)
• 1/2199023255552" GRADE W/ TRUCKWAY CAP (ST)
• 1/4398046511104" GRADE W/ TRUCKWAY CAP (ST)
• 1/8796093022208" GRADE W/ TRUCKWAY CAP (ST)
• 1/17592186044416" GRADE W/ TRUCKWAY CAP (ST)
• 1/35184372088832" GRADE W/ TRUCKWAY CAP (ST)
• 1/70368744177664" GRADE W/ TRUCKWAY CAP (ST)
• 1/140737488355328" GRADE W/ TRUCKWAY CAP (ST)
• 1/281474976710656" GRADE W/ TRUCKWAY CAP (ST)
• 1/562949953421312" GRADE W/ TRUCKWAY CAP (ST)
• 1/1125899906842624" GRADE W/ TRUCKWAY CAP (ST)
• 1/2251799813685248" GRADE W/ TRUCKWAY CAP (ST)
• 1/4503599627370496" GRADE W/ TRUCKWAY CAP (ST)
• 1/9007199254740992" GRADE W/ TRUCKWAY CAP (ST)
• 1/18014398509481984" GRADE W/ TRUCKWAY CAP (ST)
• 1/36028797018963968" GRADE W/ TRUCKWAY CAP (ST)
• 1/72057594037927936" GRADE W/ TRUCKWAY CAP (ST)
• 1/144115188075855872" GRADE W/ TRUCKWAY CAP (ST)
• 1/288230376151711744" GRADE W/ TRUCKWAY CAP (ST)
• 1/576460752303423488" GRADE W/ TRUCKWAY CAP (ST)
• 1/1152921504606846976" GRADE W/ TRUCKWAY CAP (ST)
• 1/2305843009213693952" GRADE W/ TRUCKWAY CAP (ST)
• 1/4611686018427387904" GRADE W/ TRUCKWAY CAP (ST)
• 1/9223372036854775808" GRADE W/ TRUCKWAY CAP (ST)
• 1/18446744073709551616" GRADE W/ TRUCKWAY CAP (ST)
• 1/36893488147419103232" GRADE W/ TRUCKWAY CAP (ST)
• 1/73786976294838206464" GRADE W/ TRUCKWAY CAP (ST)
• 1/147573952589676412928" GRADE W/ TRUCKWAY CAP (ST)
• 1/295147905179352825856" GRADE W/ TRUCKWAY CAP (ST)
• 1/590295810358705651712" GRADE W/ TRUCKWAY CAP (ST)
• 1/1180591620717411303424" GRADE W/ TRUCKWAY CAP (ST)
• 1/2361183241434822606848" GRADE W/ TRUCKWAY CAP (ST)
• 1/4722366482869645213696" GRADE W/ TRUCKWAY CAP (ST)
• 1/9444732965739290427392" GRADE W/ TRUCKWAY CAP (ST)
• 1/18889465931478580854784" GRADE W/ TRUCKWAY CAP (ST)
• 1/37778931862957161709568" GRADE W/ TRUCKWAY CAP (ST)
• 1/75557863725914323419136" GRADE W/ TRUCKWAY CAP (ST)
• 1/151115727451828646838272" GRADE W/ TRUCKWAY CAP (ST)
• 1/302231454903657293676544" GRADE W/ TRUCKWAY CAP (ST)
• 1/604462909807314587353088" GRADE W/ TRUCKWAY CAP (ST)
• 1/1208925819614629174706176" GRADE W/ TRUCKWAY CAP (ST)
• 1/2417851639229258349412352" GRADE W/ TRUCKWAY CAP (ST)
• 1/4835703278458516698824704" GRADE W/ TRUCKWAY CAP (ST)
• 1/9671406556917033397649408" GRADE W/ TRUCKWAY CAP (ST)
• 1/19342813113834066795298816" GRADE W/ TRUCKWAY CAP (ST)
• 1/38685626227668133590597632" GRADE W/ TRUCKWAY CAP (ST)
• 1/77371252455336267181195264" GRADE W/ TRUCKWAY CAP (ST)
• 1/154742504910672534362390528" GRADE W/ TRUCKWAY CAP (ST)
• 1/309485009821345068724781056" GRADE W/ TRUCKWAY CAP (ST)
• 1/618970019642690137449562112" GRADE W/ TRUCKWAY CAP (ST)
• 1/1237940039285380274899242224" GRADE W/ TRUCKWAY CAP (ST)
• 1/2475880078570760549798484448" GRADE W/ TRUCKWAY CAP (ST)
• 1/4951760157141521099596968896" GRADE W/ TRUCKWAY CAP (ST)
• 1/9903520314283042199193937792" GRADE W/ TRUCKWAY CAP (ST)
• 1/19807040628566084397878875584" GRADE W/ TRUCKWAY CAP (ST)
• 1/39614081257132168795757751168" GRADE W/ TRUCKWAY CAP (ST)
• 1/79228162514264337591515502336" GRADE W/ TRUCKWAY CAP (ST)
• 1/158456325028528755183031004672" GRADE W/ TRUCKWAY CAP (ST)
• 1/316912650057057510366062009344" GRADE W/ TRUCKWAY CAP (ST)
• 1/633825300114115020732124018688" GRADE W/ TRUCKWAY CAP (ST)
• 1/126765060022823004146424837376" GRADE W/ TRUCKWAY CAP (ST)
• 1/253530120045646008292849674752" GRADE W/ TRUCKWAY CAP (ST)
• 1/507060240091292016585699349504" GRADE W/ TRUCKWAY CAP (ST)
• 1/1014120480182584033171398699008" GRADE W/ TRUCKWAY CAP (ST)
• 1/2028240960365168066342797398016" GRADE W/ TRUCKWAY CAP (ST)
• 1/4056481920730336132685554796032" GRADE W/ TRUCKWAY CAP (ST)
• 1/8112963841460672265371109592064" GRADE W/ TRUCKWAY CAP (ST)
• 1/16225927629213544530742191840128" GRADE W/ TRUCKWAY CAP (ST)
• 1/32451855258427089061484383680256" GRADE W/ TRUCKWAY CAP (ST)
• 1/64903710516854178122976777360512" GRADE W/ TRUCKWAY CAP (ST)
• 1/129807421033703562455955544720128" GRADE W/ TRUCKWAY CAP (ST)
• 1/259614842067407124911911088440256" GRADE W/ TRUCKWAY CAP (ST)
• 1/519229684134814249823822176080512" GRADE W/ TRUCKWAY CAP (ST)
• 1/1038459368276288499647644352161024" GRADE W/ TRUCKWAY CAP (ST)
• 1/2076918736552576999295288704322048" GRADE W/ TRUCKWAY CAP (ST)
• 1/4153837473105153998590577408644096" GRADE W/ TRUCKWAY CAP (ST)
• 1/8307674946210307997181155417288192" GRADE W/ TRUCKWAY CAP (ST)
• 1/1661534989242061599436231035457384" GRADE W/ TRUCKWAY CAP (ST)
• 1/3323069978484123198872462070914768" GRADE W/ TRUCKWAY CAP (ST)
• 1/6646139956968246397744924141829536" GRADE W/ TRUCKWAY CAP (ST)
• 1/13292279913936492795489762283659072" GRADE W/ TRUCKWAY CAP (ST)
• 1/26584559827872985590979524567318144" GRADE W/ TRUCKWAY CAP (ST)
• 1/53169119655745971181959049134636288" GRADE W/ TRUCKWAY CAP (ST)
• 1/106338239311491943739198098269272576" GRADE W/ TRUCKWAY CAP (ST)
• 1/212676478622983887478396196538545152" GRADE W/ TRUCKWAY CAP (ST)
• 1/425352957245967774956792393077090304" GRADE W/ TRUCKWAY CAP (ST)
• 1/850705914491935549913584786154180608" GRADE W/ TRUCKWAY CAP (ST)
• 1/17014118289838710998271695723036122112" GRADE W/ TRUCKWAY CAP (ST)
• 1/34028236579677421996543391446072244224" GRADE W/ TRUCKWAY CAP (ST)
• 1/68056473159354843993086782892144488448" GRADE W/ TRUCKWAY CAP (ST)
• 1/136112946318709687986173565784289777984" GRADE W/ TRUCKWAY CAP (ST)
• 1/272225892637419375972347131568579555968" GRADE W/ TRUCKWAY CAP (ST)
• 1/544451785274838751944694263137159111936" GRADE W/ TRUCKWAY CAP (ST)
• 1/108890357054967751988938852627431823776" GRADE W/ TRUCKWAY CAP (ST)
• 1/217780714109935503977877705254863647552" GRADE W/ TRUCKWAY CAP (ST)
• 1/435561428219871007955755410510972291104" GRADE W/ TRUCKWAY CAP (ST)
• 1/8711228564397420159115109010101858422208" GRADE W/ TRUCKWAY CAP (ST)
• 1/1742245712879484031823021802020371644416" GRADE W/ TRUCKWAY CAP (ST)
• 1/348449142575896806364604360404074328896" GRADE W/ TRUCKWAY CAP (ST)
• 1/6968982851517936127292087208080148777792" GRADE W/ TRUCKWAY CAP (ST)
• 1/13937965703035872545584174416160295555584" GRADE W/ TRUCKWAY CAP (ST)
• 1/27875931406071745091168348832320591111168" GRADE W/ TRUCKWAY CAP (ST)
• 1/5575186281214349018233668666464118222336" GRADE W/ TRUCKWAY CAP (ST)
• 1/11150372562428680364670737332928236444672" GRADE W/ TRUCKWAY CAP (ST)
• 1/2230074512485736072934147466585647288944" GRADE W/ TRUCKWAY CAP (ST)
• 1/4460149024971472145868294933171295777888" GRADE W/ TRUCKWAY CAP (ST)
• 1/8920298049942944291736589866342591557776" GRADE W/ TRUCKWAY CAP (ST)
• 1/178405960998848885834731777326858231155552" GRADE W/ TRUCKWAY CAP (ST)
• 1/3568119219976977716694635546537164622211104" GRADE W/ TRUCKWAY CAP (ST)
• 1/7136238439953955433389271093074329244222208" GRADE W/ TRUCKWAY CAP (ST)
• 1/14272476879907910866778442180146584848444416" GRADE W/ TRUCKWAY CAP (ST)
• 1/2854495375981582173355688436029316996888896" GRADE W/ TRUCKWAY CAP (ST)
• 1/5708990751963164346711376872058633993777792" GRADE W/ TRUCKWAY CAP (ST)
• 1/11417981503926326934222753744116667987555584" GRADE W/ TRUCKWAY CAP (ST)
• 1/22835963007852653868445507488233335975111168" GRADE W/ TRUCKWAY CAP (ST)
• 1/45671926015705307736890014976466671950222336" GRADE W/ TRUCKWAY CAP (ST)
• 1/9134385203141061547377802995293334390444672" GRADE W/ TRUCKWAY CAP (ST)
• 1/1826877040628212294755605990458668878088944" GRADE W/ TRUCKWAY CAP (ST)
• 1/3653754081256424589511211980917337756177888" GRADE W/ TRUCKWAY CAP (ST)
• 1/7307508162512849179022423961834675513555776" GRADE W/ TRUCKWAY CAP (ST)
• 1/14615016325025698378044847923669350267111552" GRADE W/ TRUCKWAY CAP (ST)
• 1/2923003265005139675608969584733870053422304" GRADE W/ TRUCKWAY CAP (ST)
• 1/5846006530010279351217939169467740068444608" GRADE W/ TRUCKWAY CAP (ST)
• 1/11692013060020558702438793338934800137688912" GRADE W/ TRUCKWAY CAP (ST)
• 1/2338402612004111740487758667786960027537784" GRADE W/ TRUCKWAY CAP (ST)
• 1/4676805224008223480975517335573920055075568" GRADE W/ TRUCKWAY CAP (ST)
• 1/93536104480164469619510346711478400110111168" GRADE W/ TRUCKWAY CAP (ST)
• 1/1870722089603289392390206934295680022222336" GRADE W/ TRUCKWAY CAP (ST)
• 1/374144417920657878478041386859136004444672" GRADE W/ TRUCKWAY CAP (ST)
• 1/74828883584131575695608277371827200888944" GRADE W/ TRUCKWAY CAP (ST)
• 1/1496577671682631539112165547365440017777888" GRADE W/ TRUCKWAY CAP (ST)
• 1/2993155343365263078224331094730880035555776" GRADE W/ TRUCKWAY CAP (ST)
• 1/5986310686730526156448662189461760071111552" GRADE W/ TRUCKWAY CAP (ST)
• 1/1197262137346105312897332437923520014222304" GRADE W/ TRUCKWAY CAP (ST)
• 1/2394524274692210625794664875847040028444608" GRADE W/ TRUCKWAY CAP (ST)
• 1/478904854938442125159132975169408005688912" GRADE W/ TRUCKWAY CAP (ST)
• 1/95780970987688425031826595033881600113777888" GRADE W/ TRUCKWAY CAP (ST)
• 1/19156194195537685063653109067763200227555776" GRADE W/ TRUCKWAY CAP (ST)
• 1/38312388391075370127306218135526400455111552" GRADE W/ TRUCKWAY CAP (ST)
• 1/7662477678215074025461243627105280091022304" GRADE W/ TRUCKWAY CAP (ST)
• 1/15324955356430148509324872454205600182044608" GRADE W/ TRUCKWAY CAP (ST)
• 1/3064991071286029701864974490841120036408912" GRADE W/ TRUCKWAY CAP (ST)
• 1/61299821425720494037299489816822400728177888" GRADE W/ TRUCKWAY CAP (ST)
• 1/122599642851409880744599779633644800145755776" GRADE W/ TRUCKWAY CAP (ST)
• 1/245199285702819761489199559267289600291511552" GRADE W/ TRUCKWAY CAP (ST)
• 1/49039857140563952297839911853457920058302304" GRADE W/ TRUCKWAY CAP (ST)
• 1/98079714281127904595679823706915840116604608" GRADE W/ TRUCKWAY CAP (ST)
• 1/1961594285622558091135359644138316800232111552" GRADE W/ TRUCKWAY CAP (ST)
• 1/39231885712451161822707188882766336004642304" GRADE W/ TRUCKWAY CAP (ST)
• 1/78463771424902323645414377765532672009284608" GRADE W/ TRUCKWAY CAP (ST)
• 1/156927542849804673690887555311065344018577888" GRADE W/ TRUCKWAY CAP (ST)
• 1/313855085699609347381775110622130880037155776" GRADE W/ TRUCKWAY CAP (ST)
• 1/627710171399218694763550221242661600743111552" GRADE W/ TRUCKWAY CAP (ST)
• 1/12554203427983773895271004424853200148622304" GRADE W/ TRUCKWAY CAP (ST)
• 1/2510840685596754779054200884970640029724608" GRADE W/ TRUCKWAY CAP (ST)
• 1/502168137119350955810840176994128005944912" GRADE W/ TRUCKWAY CAP (ST)
• 1/10043362723870019176216803539882560011888912" GRADE W/ TRUCKWAY CAP (ST)
• 1/2008672544774003835243360707976512002377888" GRADE W/ TRUCKWAY CAP (ST)
• 1/4017345089548007670486721415953024004755776" GRADE W/ TRUCKWAY CAP (ST)
• 1/8034690179096015340973442831906048009511552" GRADE W/ TRUCKWAY CAP (ST)
• 1/16069380358192030681946885663812096001902304" GRADE W/ TRUCKWAY CAP (ST)
• 1/