

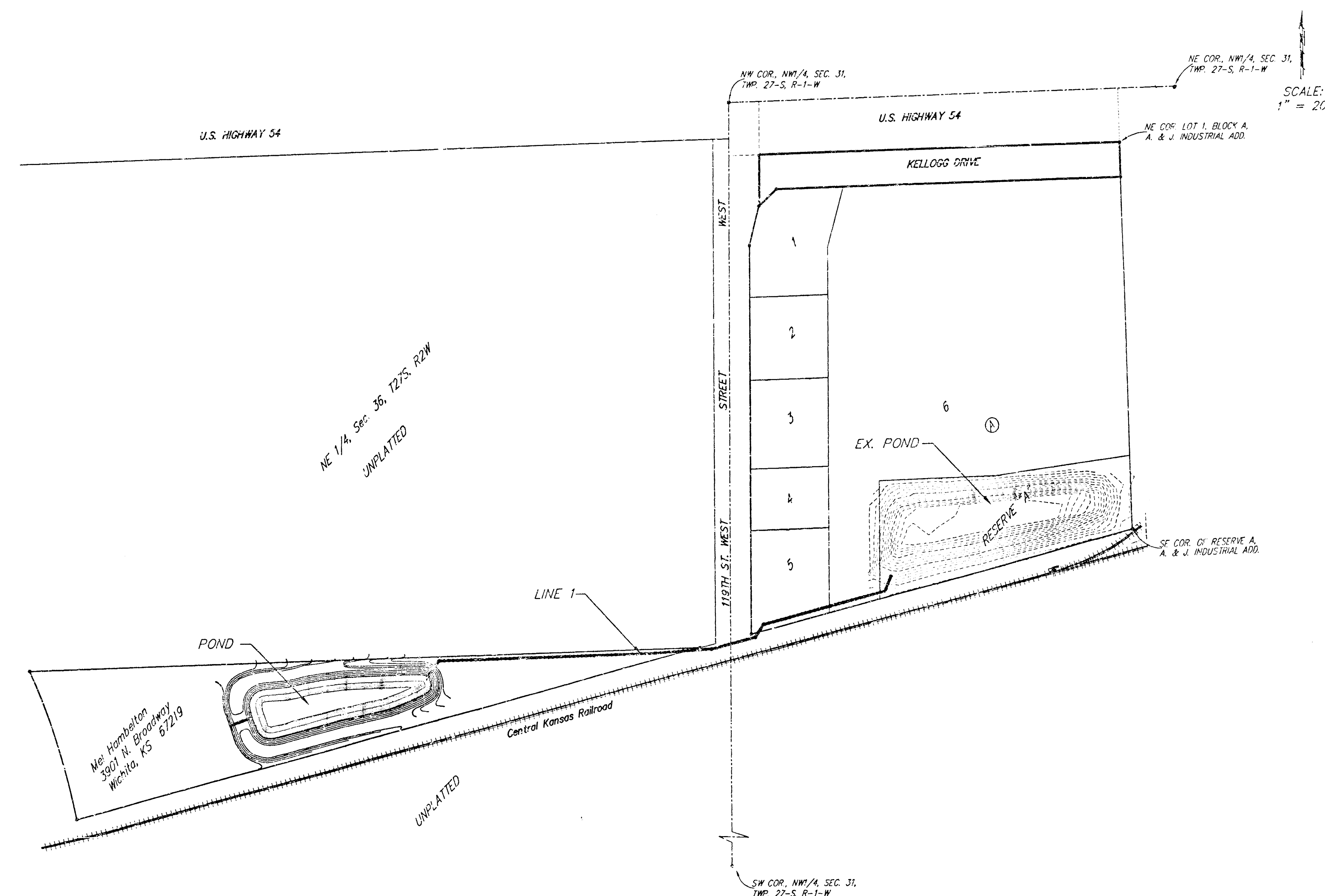
PRIVATE STORMWATER SEWER TO SERVE
MEL HAMBELTON ADDITION
 Private Project Number: 1173 PPS (607861)
 CITY OF WICHITA, KANSAS
 Michael E. Lindebak, P.E. City Engineer
 NOVEMBER 2001

Legal Description

Mel Hambelton Addition, Wichita, Sedgwick County, Kansas

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:
 Cox Communications, Inc. 262-0661
 K.G.E. Electric Service 381-8650
 Kansas Gas Service 381-8600
 Peoples Gas Company 942-8350
 Southwestern Bell Telephone Company 1-800-670-8390
 City of Wichita Water Dept. 268-4908
 City of Wichita Traffic Engineering 269-4446
 Koch Pipeline Company 1-800-555-9041
- 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 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 reestablished by a licensed land surveyor in accordance with state laws.
- Contractor shall not start work on the project until the project inspector is assigned to the project and is present on the site. Any work done without inspection will be required to be uncovered for inspection.
- Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations that, in the opinion of the Engineer, will leave an unsightly appearance will not be approved.
- Baughman Company will provide Contractor with Sedgwick County Utility Permit Agreement for the Use of Public right-of-way.
- The Contractor shall not interrupt traffic when crossing 119th Street West.
- All disturbed R/W areas not intended for pavement or sidewalk construction shall be seeded with Kansas Premium Fescue Blend at a rate of 8 lb./1000 Sq. Ft., fertilized with a 16-20-6 ratio at a rate of 4 lb./1000 Sq. Ft., and mulched with Prairie Hay at a rate of 92 lb./1000 Sq. Ft. Mulch shall be "patted" with forks or punched into soil to reduce loss due to wind.



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Bench Marks

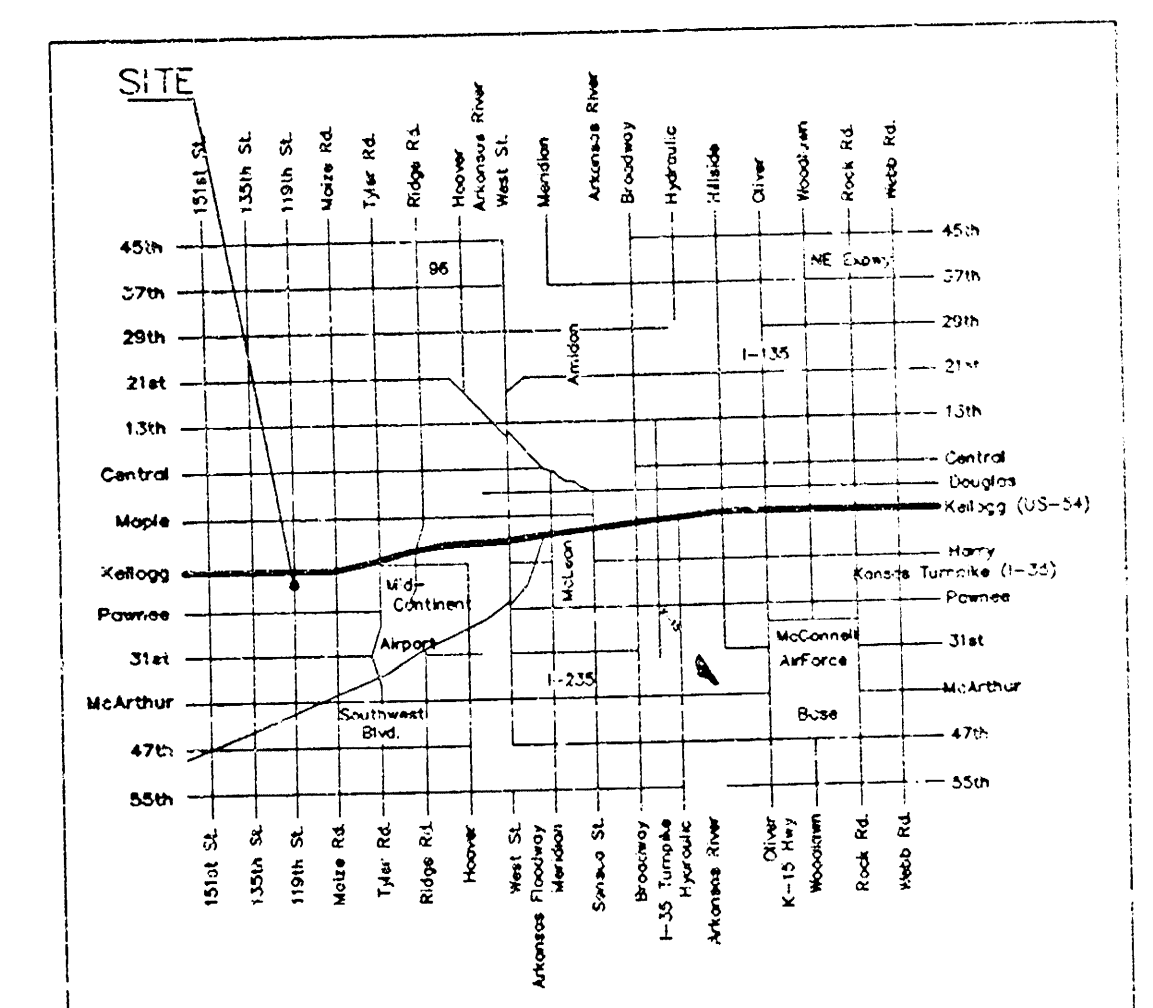
City of Wichita Disc 12.80' South of Concrete Slab, 13.00' North of Cable Guard Rail, and 85.50' East of Center Line of 119th Street West.
 Elev. = 145.96 City Datum

APPROVED AS NOTED
 BY CITY ENGINEER OF WICHITA

Storm Sewers VRH 11/30/01

NOTE TO CONTRACTORS

Installation, inspection and testing for this project is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection is to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection and shall any work be commenced without written authorization by the City Engineer. All Construction and Materials shall comply with the City of Wichita Specifications and Standards (on file and available in the City Engineer's Office).



LOCATION MAP

As Built 11/02 KK

BAUGHMAN COMPANY P.A.
 ENGINEERING, SURVEYING, & PLANNING
 214-262-0771 • 314-615 • 314-615-0000

Paul H.
 11/19/01

BENCHMARK:
City of Wichita Disc. 12.80' South of Concrete Slab,
13.00' North of Cable Guard Rail, and 85.50' East of
Center Line of 119th Street West.
Elev. = 145.96 City Datum

SCALE:
1" = 20' HORIZONTAL
1" = 5' VERTICAL
• = IRON

Sta. 6+10.1,
Matco Point
Construct Std. 5'
Dia. Manhole.
Top = 146.50 ✓

NE 1/4, Sec. 36, T27S, R2W

UNPLATTED

Sta. 0+57.2, Construct
Std. 5' Dia. Manhole.
Top = ~~144.50~~
5.15

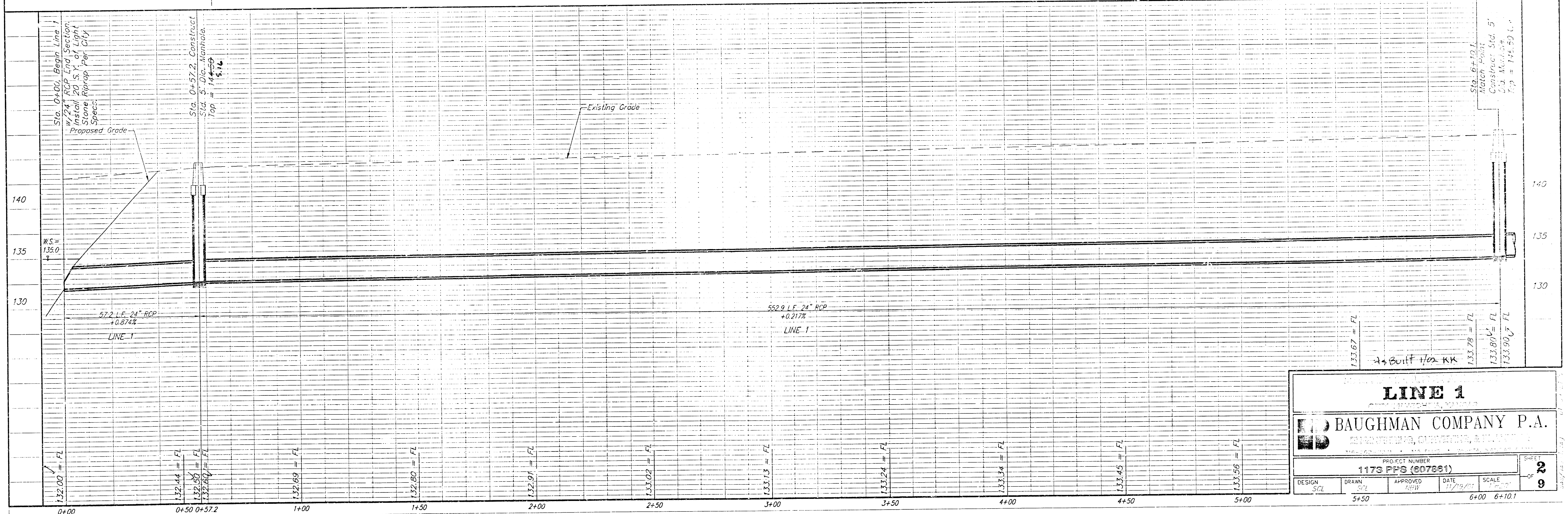
Proposed Pond
W.S. = 135.0
Bottom = 125.0
D.H.W. = 137.9

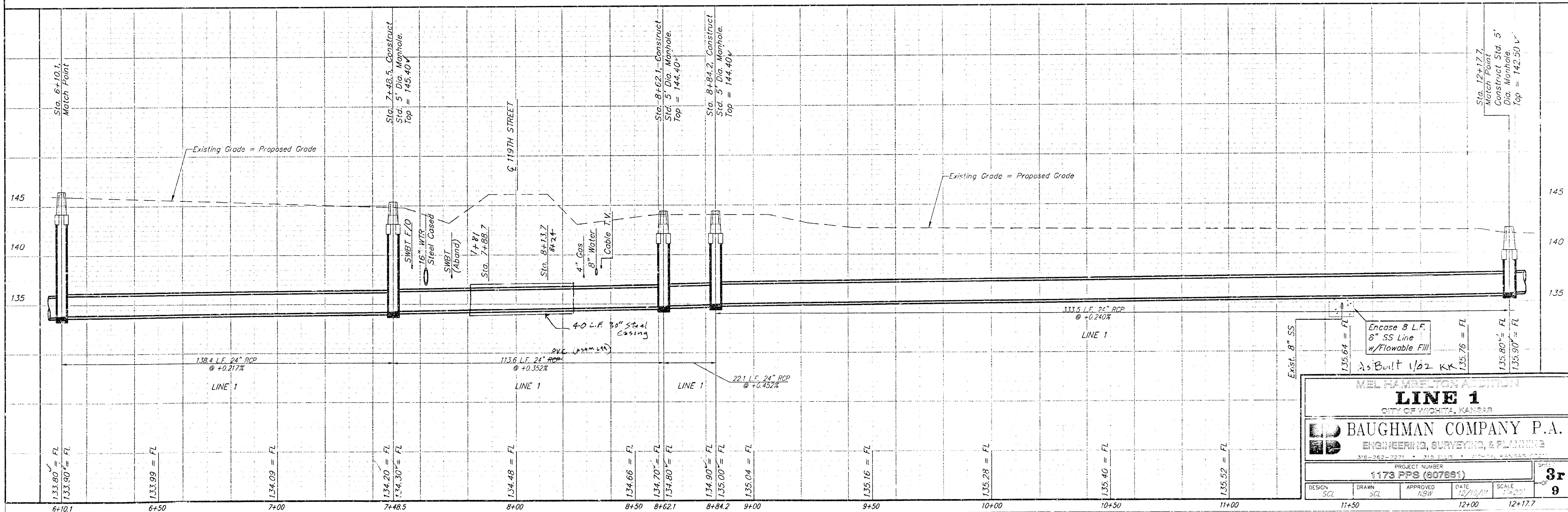
Mel Hamblen
3901 N. Broadway
Wichita, KS 67219
Unplatted

Sta. 0+00, Begin Line 1
w/24" RCP End Section.
Install 20 S.Y. of Light
Stone Riprap Per City
Specs.

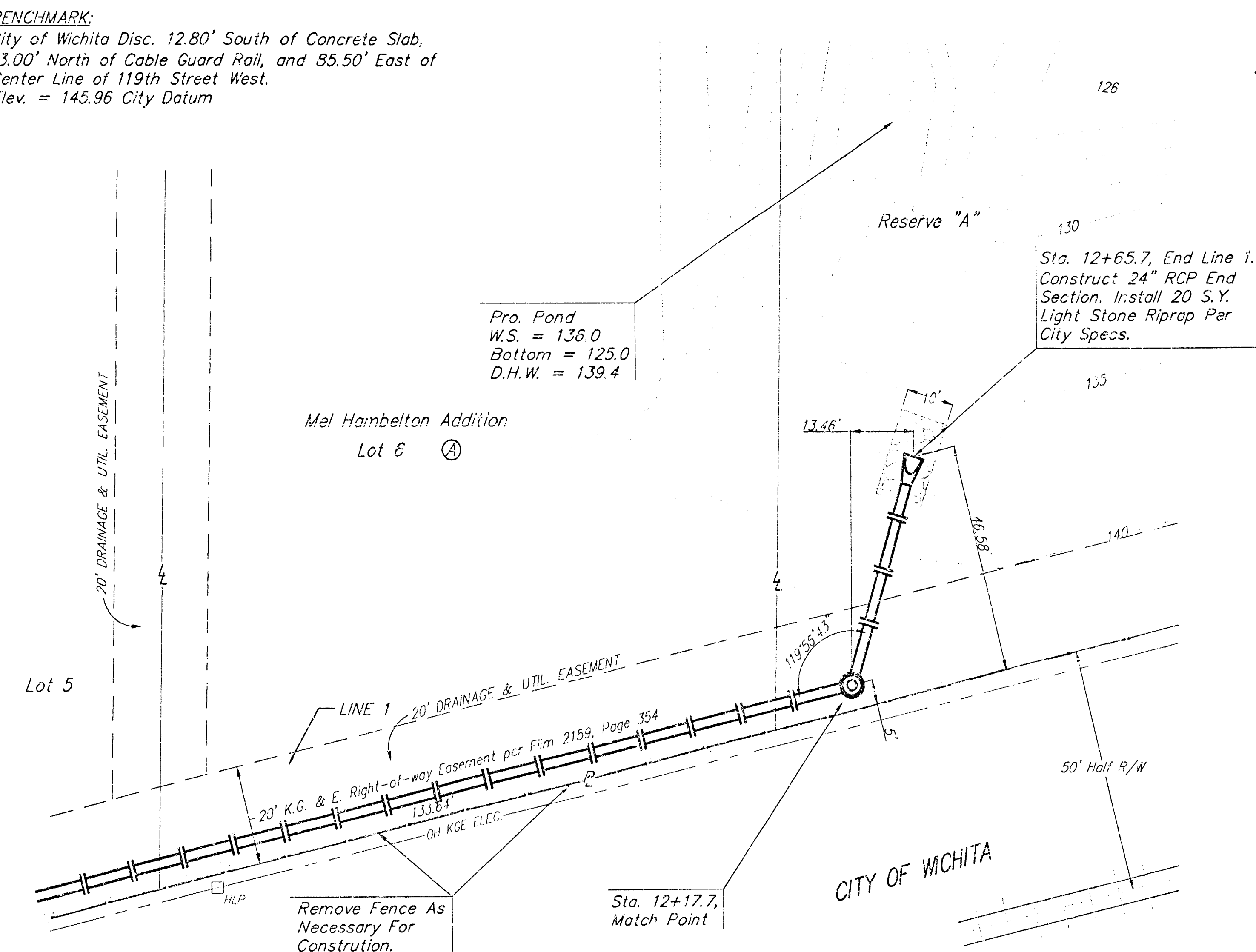
Central Kansas Railroad

UNPLATTED

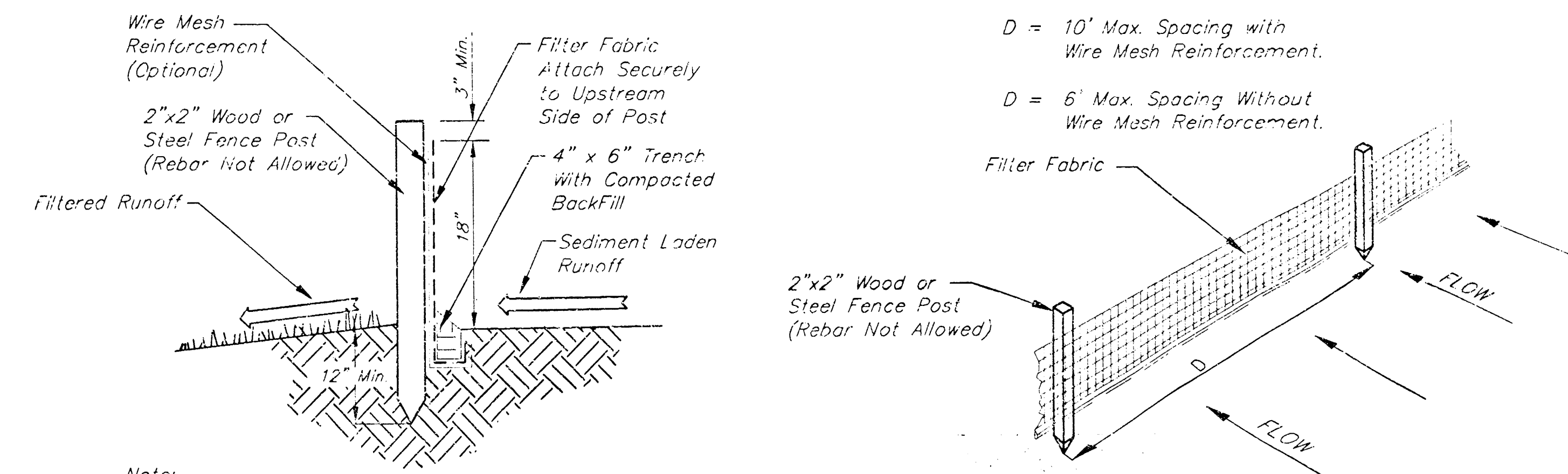




BENCHMARK:
City of Wichita Disc. 12.80' South of Concrete Slab.
13.00' North of Cable Guard Rail, and 35.50' East of
Center Line of 119th Street West.
Elev. = 145.96 City Datum



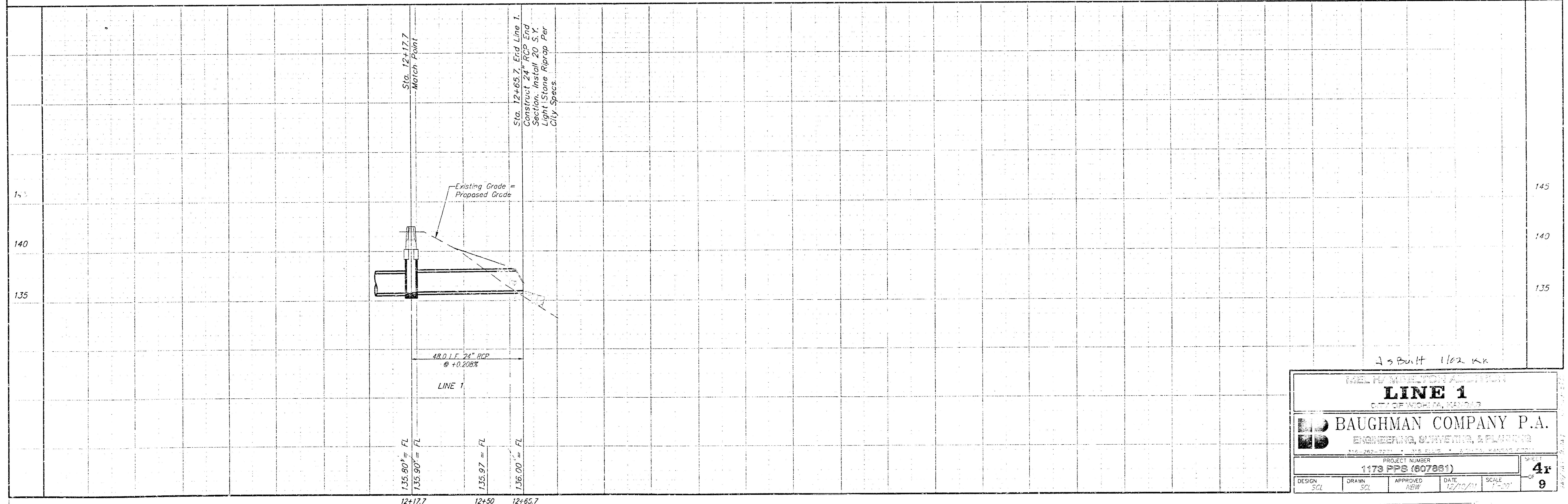
SCALE:
1" = 20' HORIZONTAL
1" = 5' VERTICAL
• = IRON



Note:
Type and manufacturer of Silt Fence shall be approved by the Engineer.
All alternates shall be approved by the Engineer.
All work and materials associated with installation of "Silt Fence"
or approved alternate to be INCIDENTAL to the L.S. bid item
"Storm Water Pollution Control."

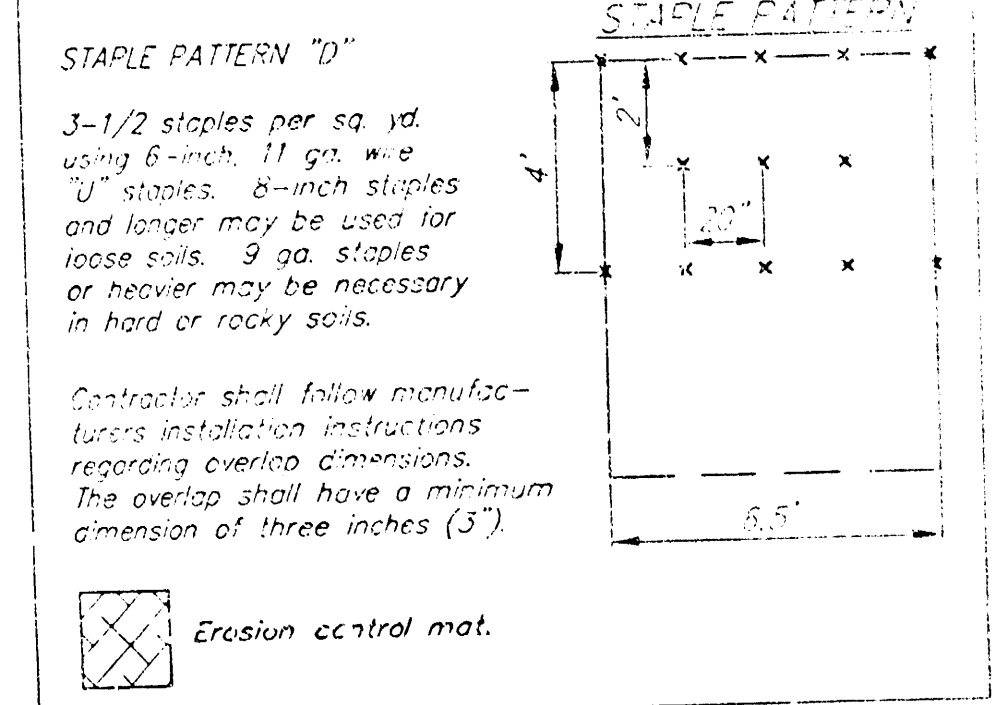
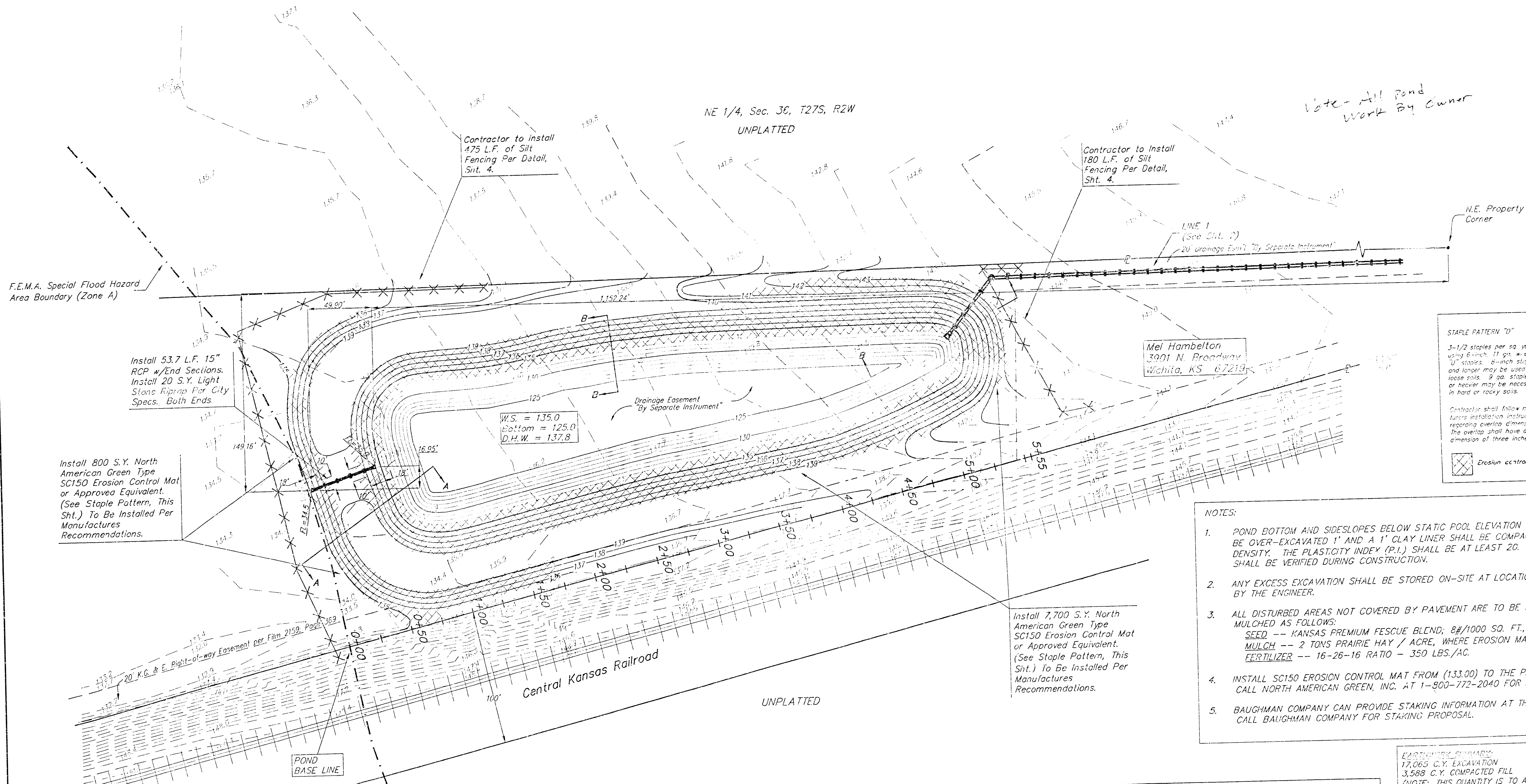
SILT FENCE INSTALLATION DETAIL

REVISED 12/10/01



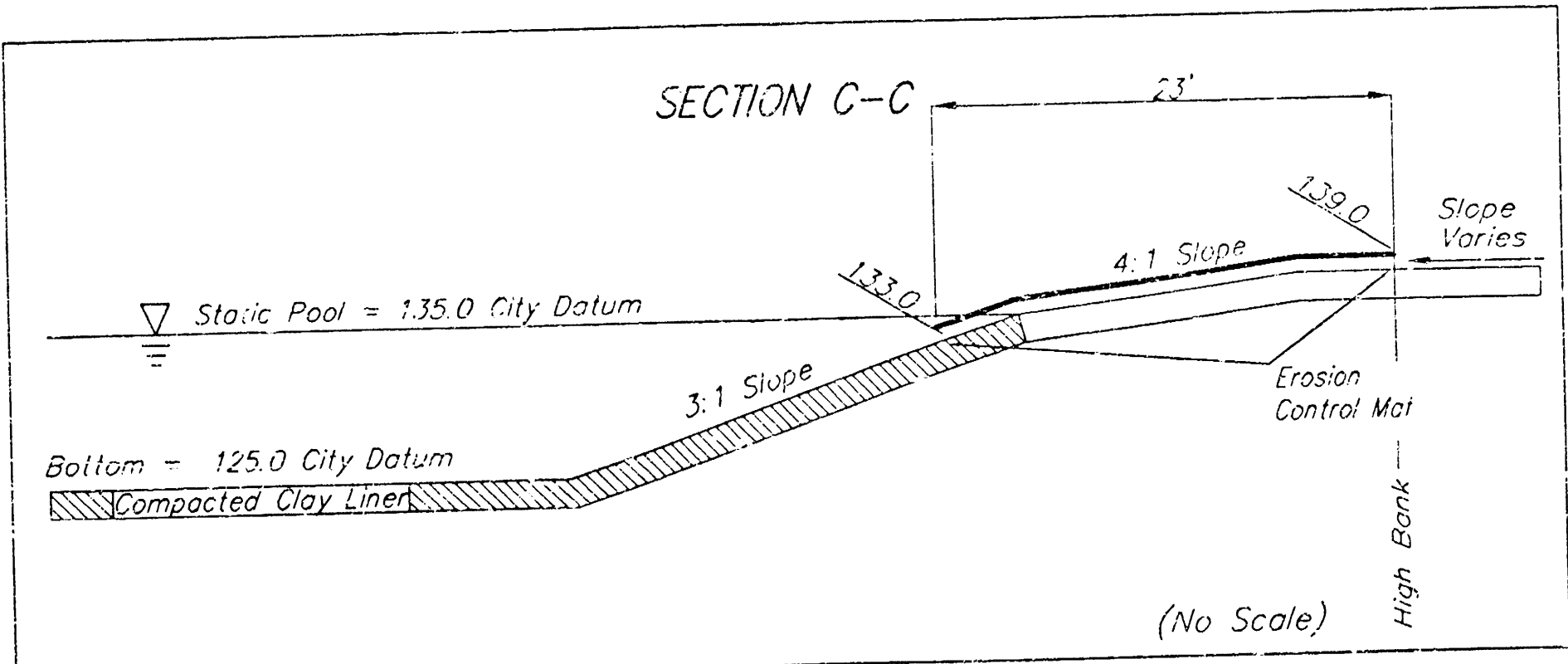
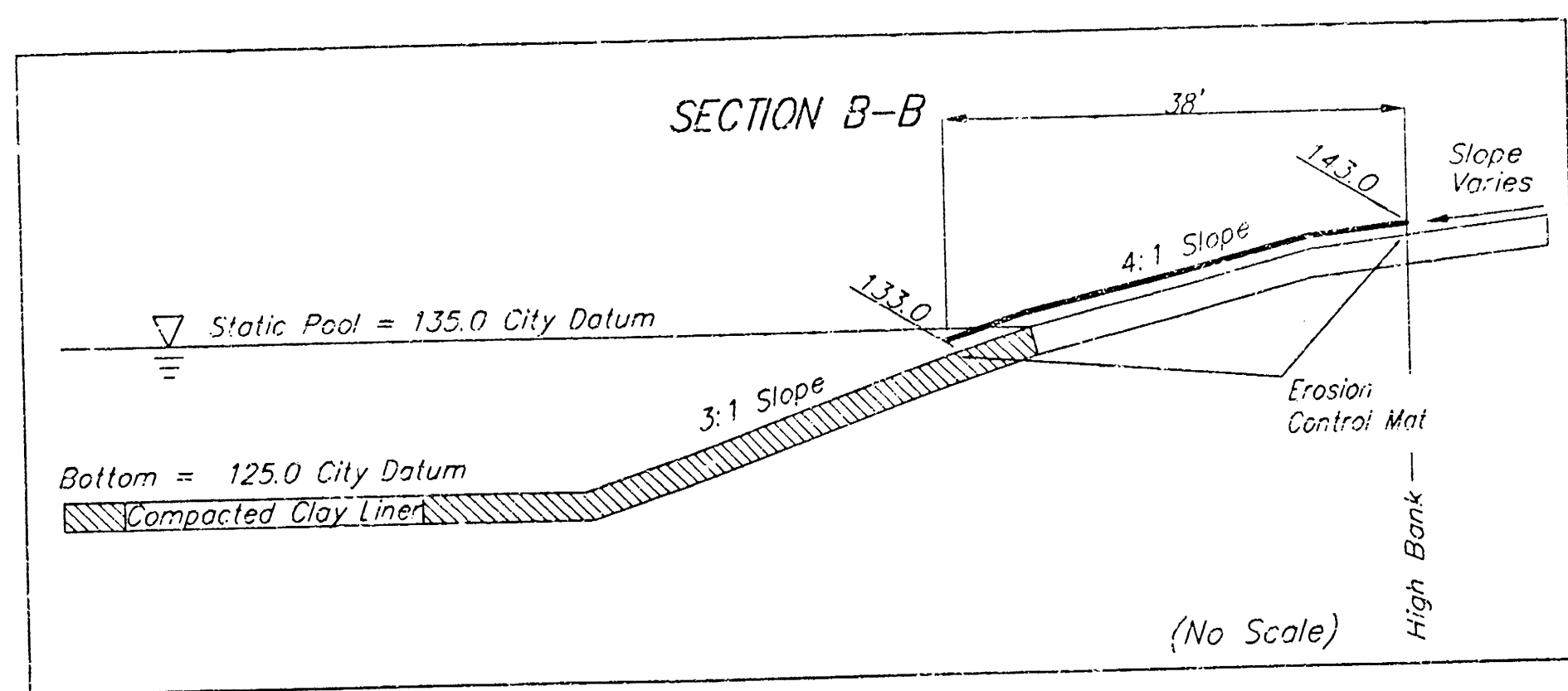
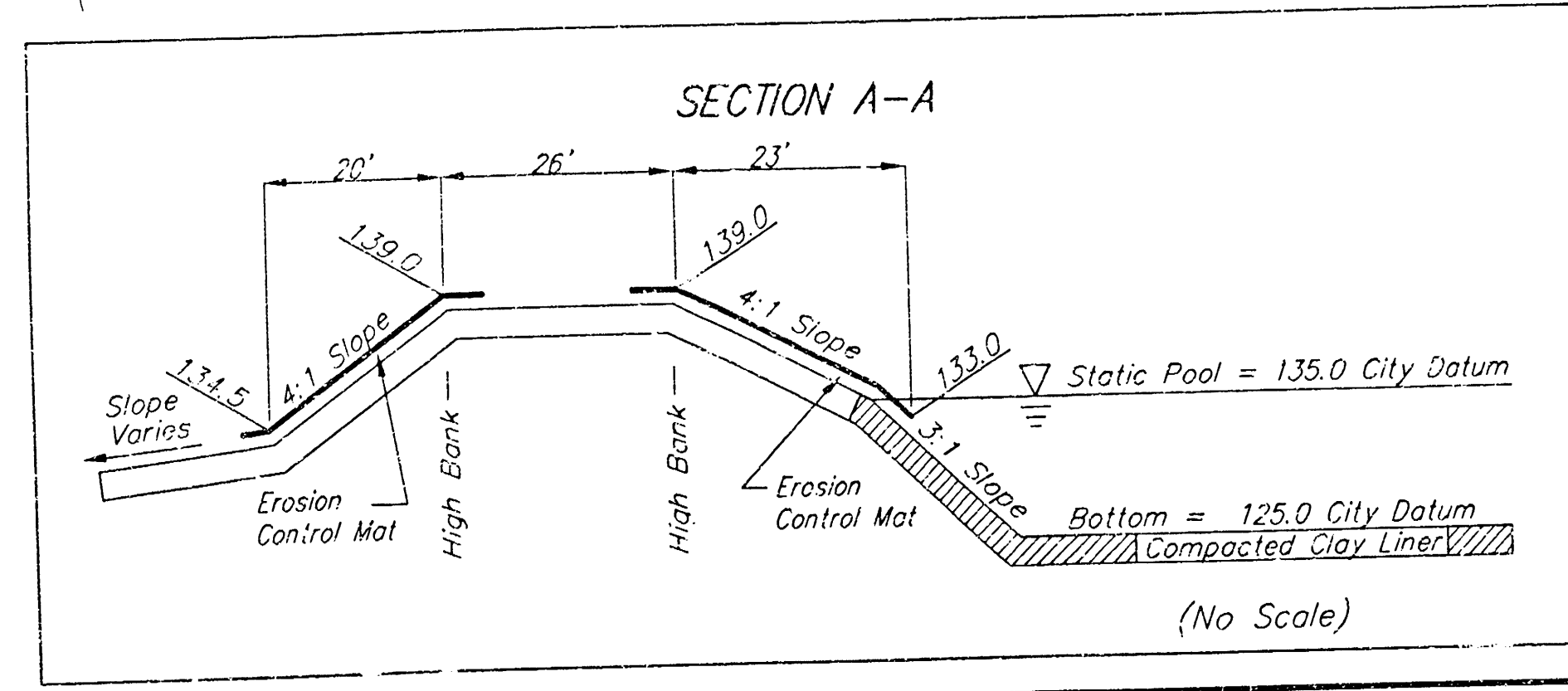
BENCHMARK:
City of Wichita Disc. 12.80' South of Concrete Glob,
13.00' North of Cable Guard Rail, and 85.50' East of
Center Line of 119th Street West.
Elev. = 145.96 City Datum

SCALE:
1" = 40'
• = IRON



- NOTES:**
1. POND BOTTOM AND SIDESLOPES BELOW STATIC POOL ELEVATION SHALL BE OVER-EXCAVATED 1' AND A 1' CLAY LINER SHALL BE COMPACTED TO 85% STD. DENSITY. THE PLASTICITY INDEX (P.I.) SHALL BE AT LEAST 20. THE COMPACTION AND P.I. SHALL BE VERIFIED DURING CONSTRUCTION.
 2. ANY EXCESS EXCAVATION SHALL BE STORED ON-SITE AT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
 3. ALL DISTURBED AREAS NOT COVERED BY PAVEMENT ARE TO BE SEEDED AND MULCHED AS FOLLOWS:
SEED -- KANSAS PREMIUM FESCUE BLEND; 8#/1000 SQ. FT., DRILLED
MULCH -- 2 TONS PRAIRIE HAY / ACRE, WHERE EROSION MAT IS NOT INSTALLED
FERTILIZER -- 16-26-16 RATIO -- 350 LBS./AC.
 4. INSTALL SC150 EROSION CONTROL MAT FROM (133.00) TO THE PROPOSED HIGH BANK. CALL NORTH AMERICAN GREEN, INC. AT 1-900-772-2040 FOR MORE INFORMATION.
 5. BAUGHMAN COMPANY CAN PROVIDE STAKING INFORMATION AT THE TIME OF CONSTRUCTION. CALL BAUGHMAN COMPANY FOR STAKING PROPOSAL.

ESTIMATED SUMMARY:
17,065 C.Y. EXCAVATION
3,588 C.Y. COMPACTED FILL
(NOTE: THIS QUANTITY IS TO ACHIEVE FINAL SHAPE OF POND. IT DOES NOT INCLUDE THE OVER-EXCAVATION OF 1' TO PLACE THE CLAY LINER. THIS QUANTITY DOES NOT INCLUDE ANY CORRECTION FACTORS AND IS FOR INFORMATION ONLY.)



POND PLAN

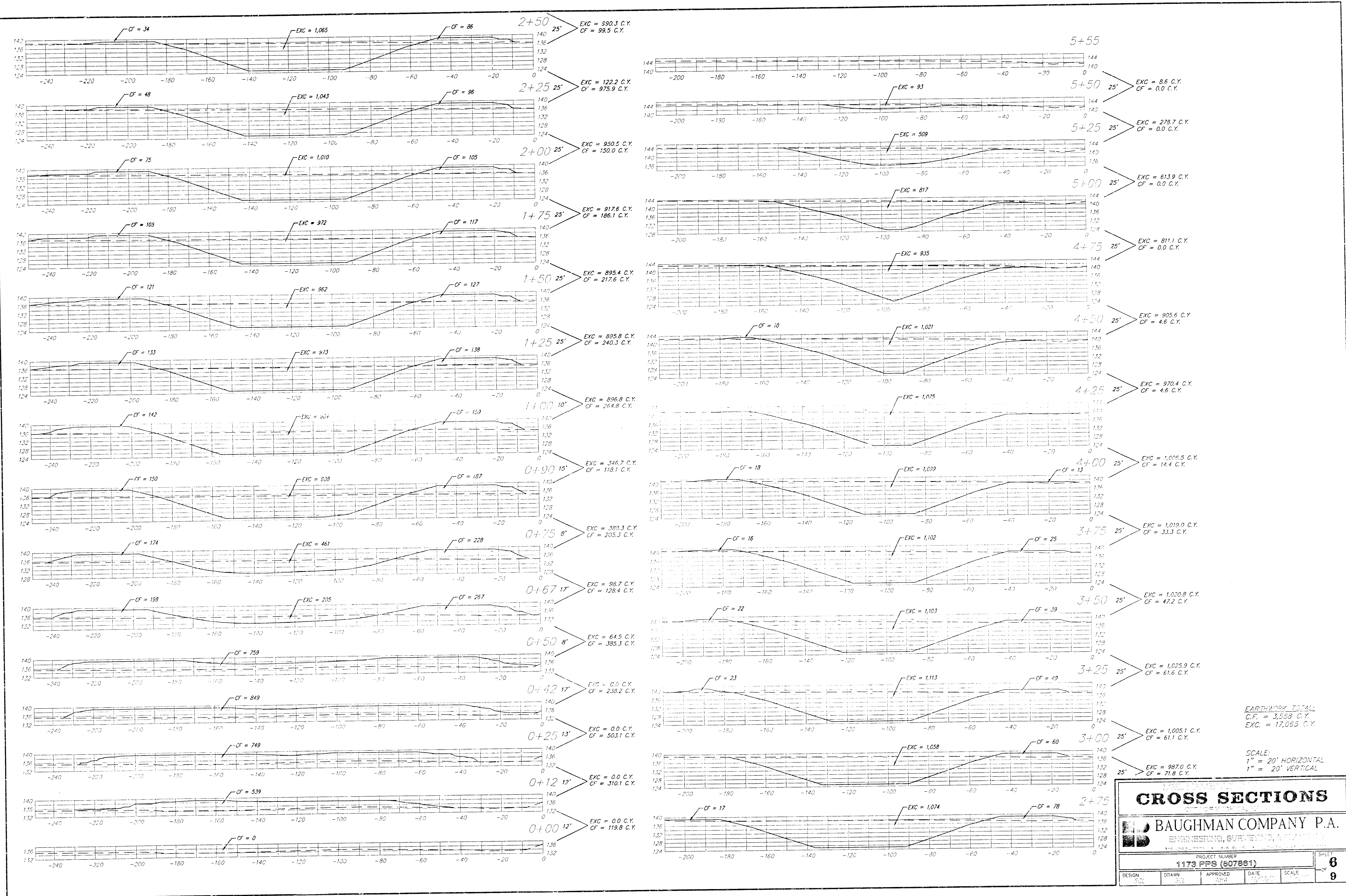
BAUGHMAN COMPANY P.A.

ENGINEERING, SURVEYING, & ARCHITECTURE

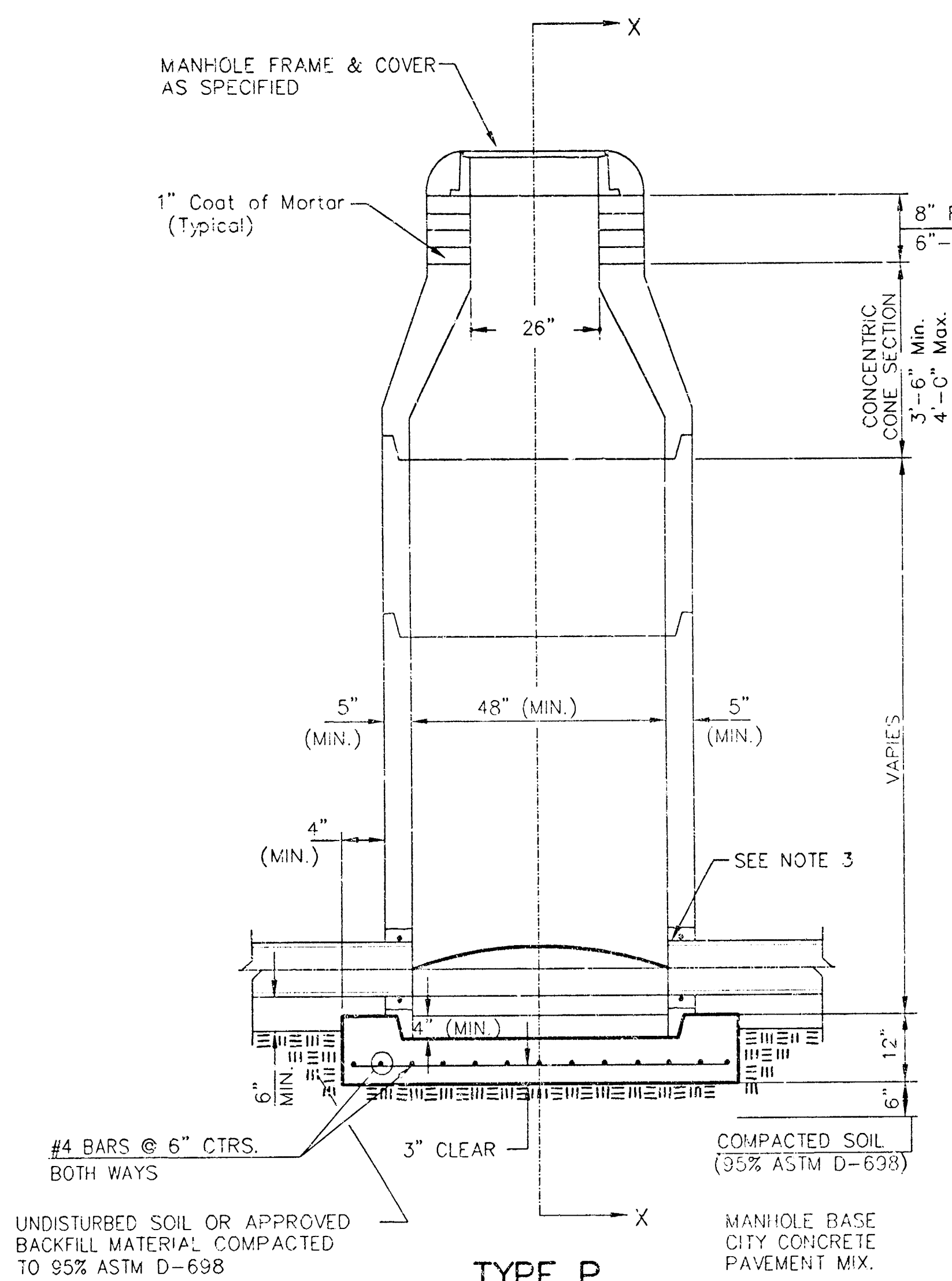
PROJECT NUMBER: 1173 PPS (807281)

DESIGN: SCL DRAWN: SCL APPROVED: NAW DATE: 12/14/11 SCALE: 1" = 40'

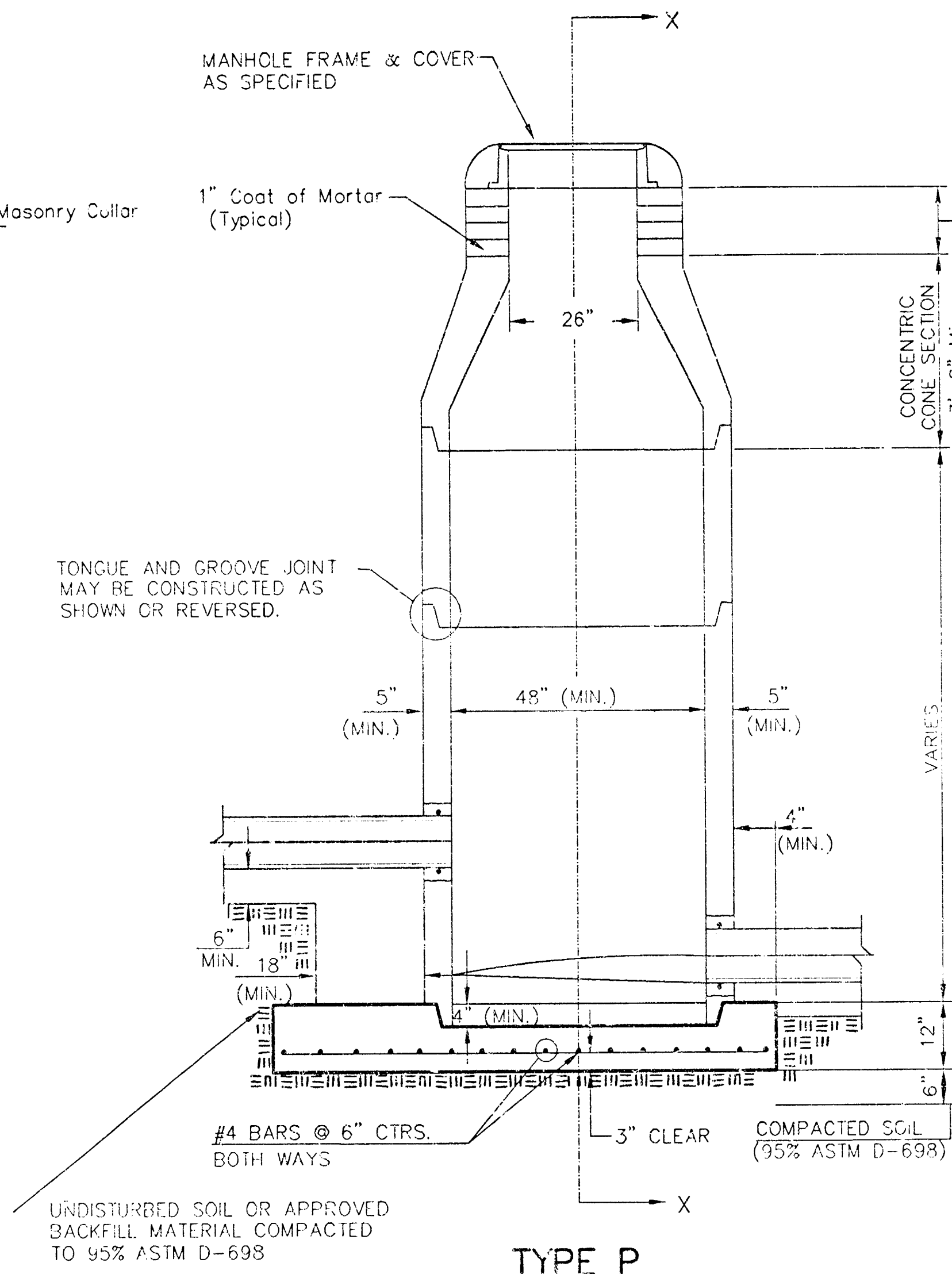
SHEET: 5 OF 9



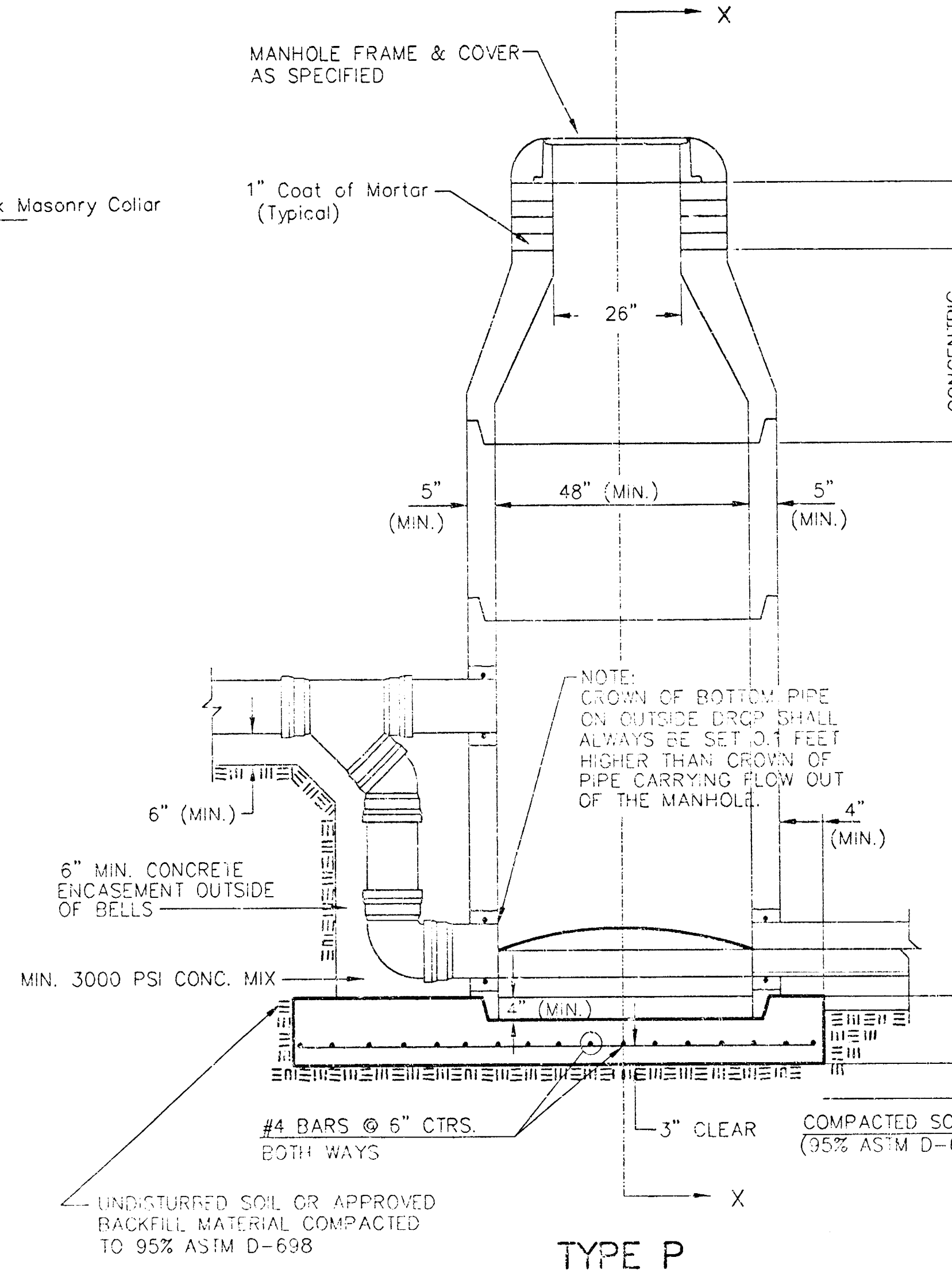
SEWER APPURTENANCES DETAILS



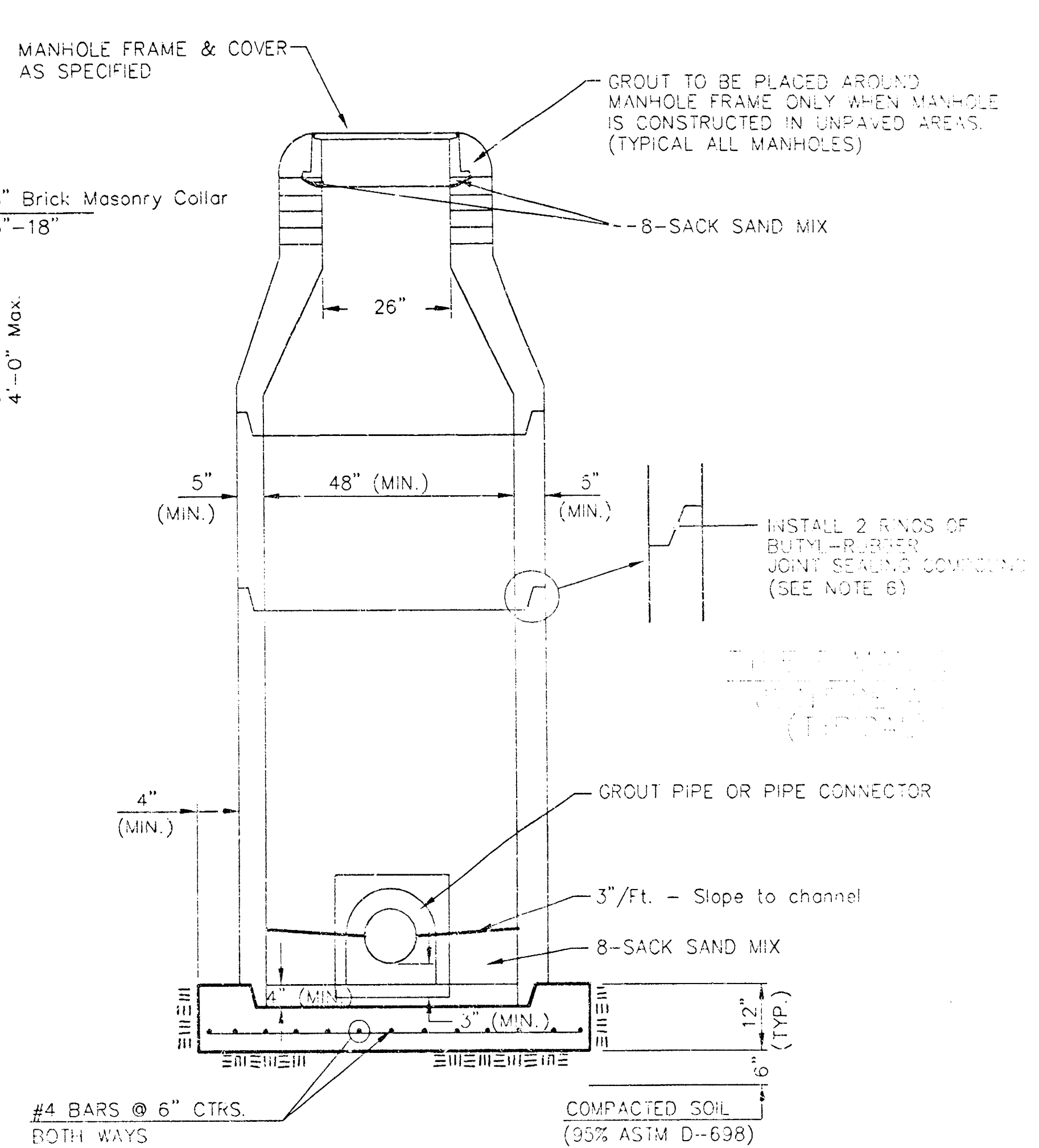
TYPE P
STANDARD MANHOLE



TYPE P
INSIDE DROP MANHOLE



TYPE P
OUTSIDE DROP MANHOLE

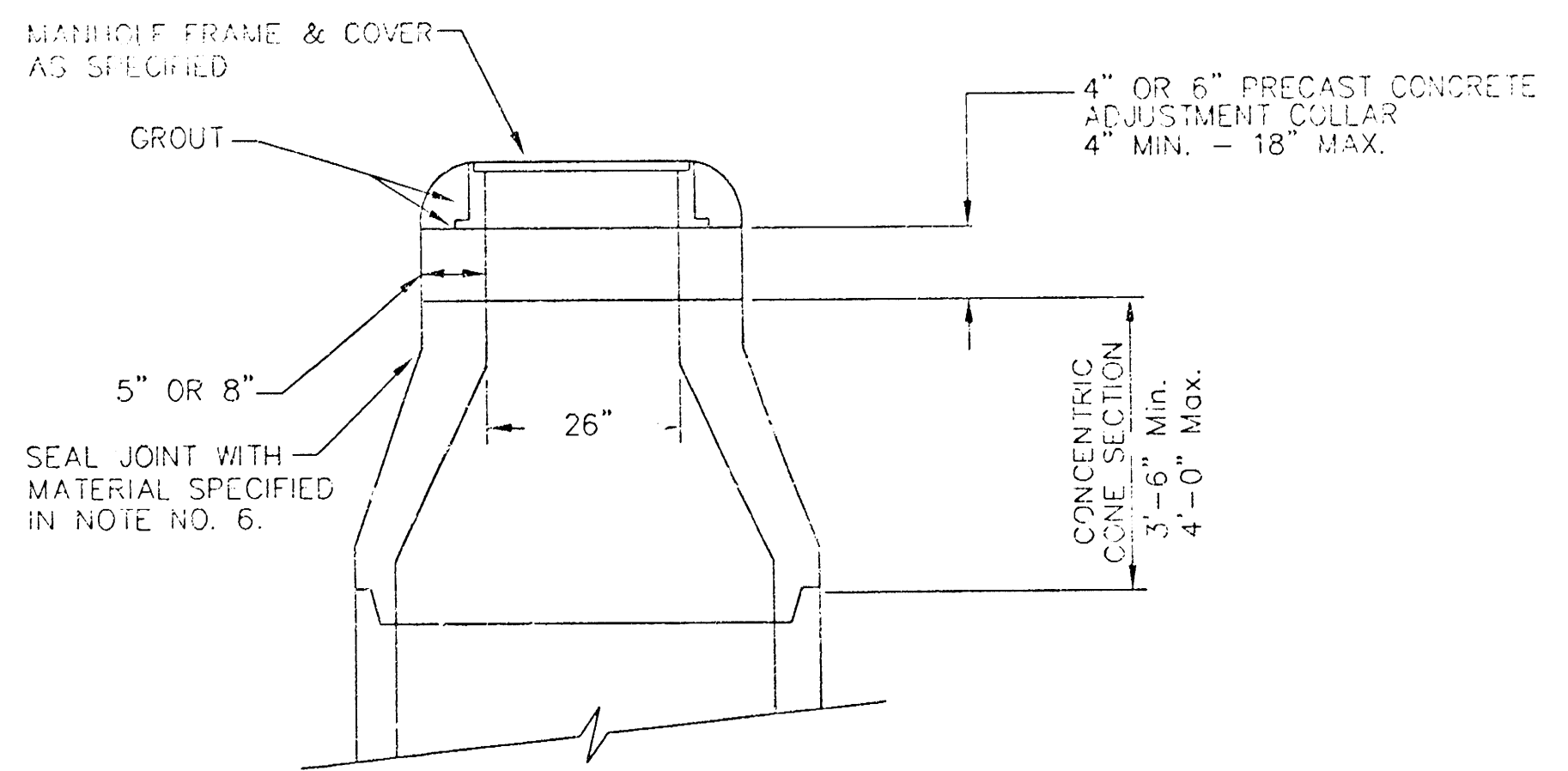


SECTION X
(TYPICAL)

- GENERAL NOTES
- PRECAST MANHOLE NOTES
1. ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISIONS OF A.S.T.M. C478 AS MODIFIED BY THE SPECIFICATIONS.
 2. NON-SHRINK GROUT SHALL BE NON-METALLIC TYPE.
 3. 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 ENGAGEMENT A MINIMUM OF 3 FEET FROM THE MANHOLE WALL AND TO THE FIRST JOINT FOR W.C.P. SUCH THAT THE JOINT REMAINS FLEXIBLE.
 4. ALL INSIDE SURFACES OF THE CONCRETE MANHOLE WHICH WOULD BE EXPOSED TO SEWER GAS SHALL BE COATED WITH 2 COATS TENECS 56 HI-BUILD EPOXOLINE, DRY THICKNESS OF 8 MILS (MIN.)
 5. EXTERIOR MANHOLE WALLS SHALL BE COATED WITH 1 COAT MOBILARMA 633 BITUMINOUS COATING.
 6. JOINT SEALING COMPOUND SHALL BE KENT SEAL NO. 2 OR APPROVED EQUAL.
 7. PRECAST MANHOLES SHALL BE SET AT LEAST 4 INCHES INTO THE MANHOLE BASE.
 8. 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.
 9. LIFTING HOLES SHALL BE FILLED WITH NON-SHRINK GROUT AND THE INTERIOR SURFACE COATED AS SPECIFIED
 10. MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 BAGS OF CEMENT PER CUBIC YARD. CONCRETE USED IN MANHOLE BASES SHALL CONFORM TO THE REQUIREMENTS OF CONCRETE FOR CONCRETE PAVEMENT CONSTRUCTION AS SHOWN ON THE CITY STANDARD PAVING SPECIFICATIONS USING CITY CONCRETE PAVEMENT MIX WITHOUT AIR ENTRAINING ADMIXTURE. MORTAR SHALL BE PLACED AROUND THE MANHOLE RINGS 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.

1. 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. THE COSTS FOR FURNISHING AND INSTALLING REINFORCING STEEL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.
2. 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 TO SEAL THE WALL AND THE CONCRETE PIPE. THE NEW PIPE SHALL BE GROUTED INTO THE OPENING USING AN APPROVED NON-SHRINK GROUT FOR THE FULL MANHOLE 7' ± ALL THICKNESS. THE EXTERIOR OF THE COMPLETED CONNECTION SHALL BE SEALED WITH AN APPROVED BITUMINOUS COATING SUCH AS FLO-SEAL. THE EXTERIOR OF THE EXISTING 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.
3. THE FLOORS OF ALL MANHOLES SHALL BE SHAPED WITH FLOW CHANNELS SLOPED TO MATCH THE MANHOLE INLET. BELT CLEANING AND FREE OF AREA 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 MANHOLE TO THE OUTLET PIPE. THE FLOORS OF ALL EXISTING PIPES 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 DIRECTION OF INSIDE FLOW. FLOORS SLOPED TO MATCH THE FLOW CHANNELS. PIPES LAID THROUGH MANHOLES SHALL HAVE THE TOP HALF REMOVED TO 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.
4. PIPES INSTALLED WITHIN THE EXCAVATION MADE FOR THE MANHOLE SHALL BE CRADLED WITH CONCRETE TO THE LIMITS OF THE MANHOLE. 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. THE CRADLE SHALL BE THIN ENOUGH TO ALLOW TOP TO CLAY PIPE JOINTS ADJACENT TO MANHOLE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.

15. 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.
16. 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 FLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.
17. STANDARD MANHOLES AND STANDARD INSIDE DROP MANHOLES SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL INSIDE 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.
18. 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 COAT OF MORTAR WILL BE FLUSHED ON THE OUTSIDE OF THE COLLAR. THE USE OF PRE-CAST CONCRETE SPACERS FOR MANHOLE TOP ADJUSTMENT IS ALSO ALLOWED.

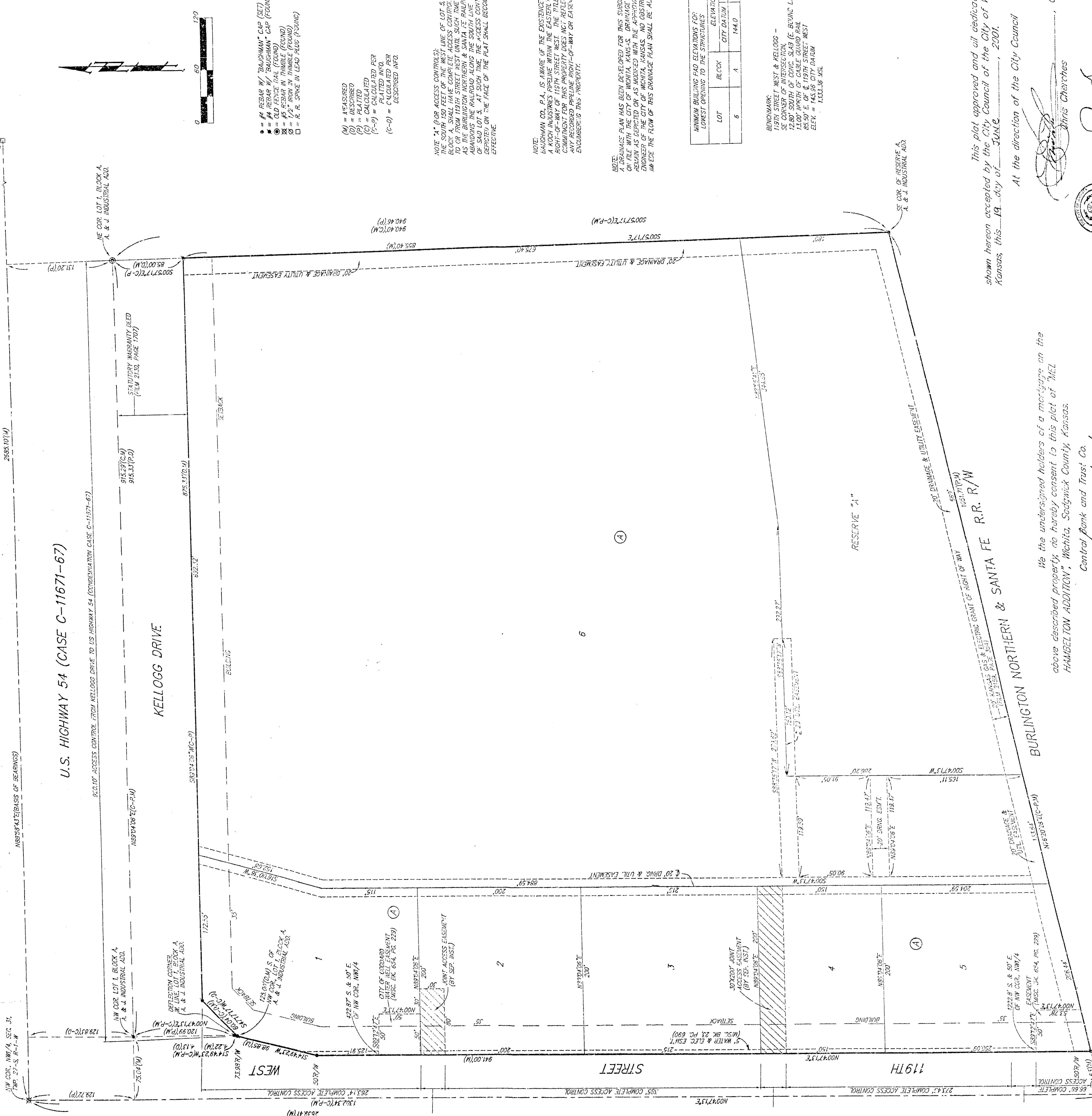


ALTERNATE CONSTRUCTION IN UNPAVED AREAS

STD. MANHOLE DETAILS CITY OF CHICAGO					
EED BAUGHMAN COMPANY P.A. ENGINEERING, SURVEYING, PLANNING INCORPORATED					
PROJECT NUMBER SHEET 1173 PPS (507861) 7					
DESIGN <i>EAFT</i>	DRAWN <i>EAFT</i>	APPROVED	DATE <i>12/1/81</i>	SCALE	9

MEL HAMBELTON ADDITION
WICHITA, SEDGWICK COUNTY, KANSAS

18 14 04 10



State of Kansas) SS We, Baughman Company, P.A., Surveyors in
Sedgwick County) above described property, do hereby certify that we have surveyed and
platted 'MEL HAMBELTON ADDITION', Wichita, Sedgwick County, Kansas, and
that the accompanying plat is a true and correct exhibit of the property
surveyed, described as a part of Lot 1, Block A, and Reserve A, A. & J.
Industrial Addition, Sedgwick County, Kansas. EXCEPT that part of said Lot 1
described as follows: Beginning at the NE corner of said Lot 1; thence
south along the east line of said Lot 1, 85.00 feet; thence westerly
parallel with the north line of said Lot 1, 875.33 feet; thence southeasterly
to a point on the west line of said Lot 1, said point being 125.00 feet
south of the north line of said Lot 1, as measured perpendicularly; thence
northeasterly along the west line of said Lot 1, 4.15 feet to a deflection
corner in said west line; thence northerly along the west line of said Lot 1,
120.00 feet to the NW corner of said Lot 1; thence easterly along the north
line of said Lot 1, 915.33 feet to the point of beginning.

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

Michael A. Carey
Michael G. Carey
Surveyor

Know all men by these presents that we,
the undersigned, have caused the land in the surveyors certificate to be
platted into Lots, a Block, and a Reserve, to be known as 'MEL
HAMBELTON ADDITION', Wichita, Sedgwick County, Kansas. The drainage
and utility easements are hereby granted as indicated for drainage
purposes and for the construction and maintenance of all public utilities.
The drainage easements are hereby granted as indicated for drainage
purposes. The streets are hereby dedicated to and for the use of the
public. Reserve 'A' is hereby reserved for drainage purposes, open space,
landscaping, parking lot, access road, and utilities as contained to easements.
Block 'A'. All abutters rights of access shall be as depicted on the face
of the plat and hereby granted to the City of Wichita, Kansas. (See Note 'A').
The permitted spacing locations shall be as determined by the City Engineer
of the City of Wichita, Kansas. The Minimum Building Foot Dimensions for the
lot shall be as indicated on the face of the plat.

Michael Hambelton
MEL HAMBELTON

We the undersigned holders of a mortgage on the
above described property do hereby consent to this plat of 'MEL
HAMBELTON ADDITION', Wichita, Sedgwick County, Kansas.
Central Bank and Trust Co.
Bruce Malloy

State of Kansas) SS The foregoing instrument acknowledged by
Sedgwick County) me this 21st day of April, 2001, by GRACE MALLOY,
Resident of Sedgwick County, Kansas, and Trust Co. of Sedgwick County, Kansas,
My App't Exp. 1-22-2003

This plat of 'MEL HAMBELTON ADDITION',
Wichita, Sedgwick County, Kansas has been submitted to and approved by
the Wichita-Sedgwick County Metropolitan Area Planning Commission,
Wichita, Kansas.

Dated this 21st day of April, 2001.
Wichita-Sedgwick County Metropolitan Area Planning Commission
D. D. Fulk, Acting Chair
D. D. Fulk, Secretary

State of Kansas) SS The foregoing instrument acknowledged before
Sedgwick County) me, this 21st day of April, 2001, by the undersigned,
Member of the Metropolitan Area Planning Commission,
Wichita, Kansas.

Michael Hambelton
MEL HAMBELTON

This plat approved and all dedications
shown hereon accepted by the City Council of the City of Wichita,
Kansas, this 14 day of June, 2001.
At the direction of the City Council

Chris Chaires, City M.
Pat Burnett, City

Reviewed in accordance with K.S.A. 58-2
on this 2nd day of July, 2001.

Tricia L. Kobbelt, L.S. #1245
Deputy County Surveyor
Sedgwick County, Kansas

Entered on transfer record this 2nd day of July, 2001.
Don Brace, County

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 20th day of June, 2001 at 3:08 a.m. and is duly recorded.

Bill Beck, Register of Deeds

1986

MEL HAMBELTON