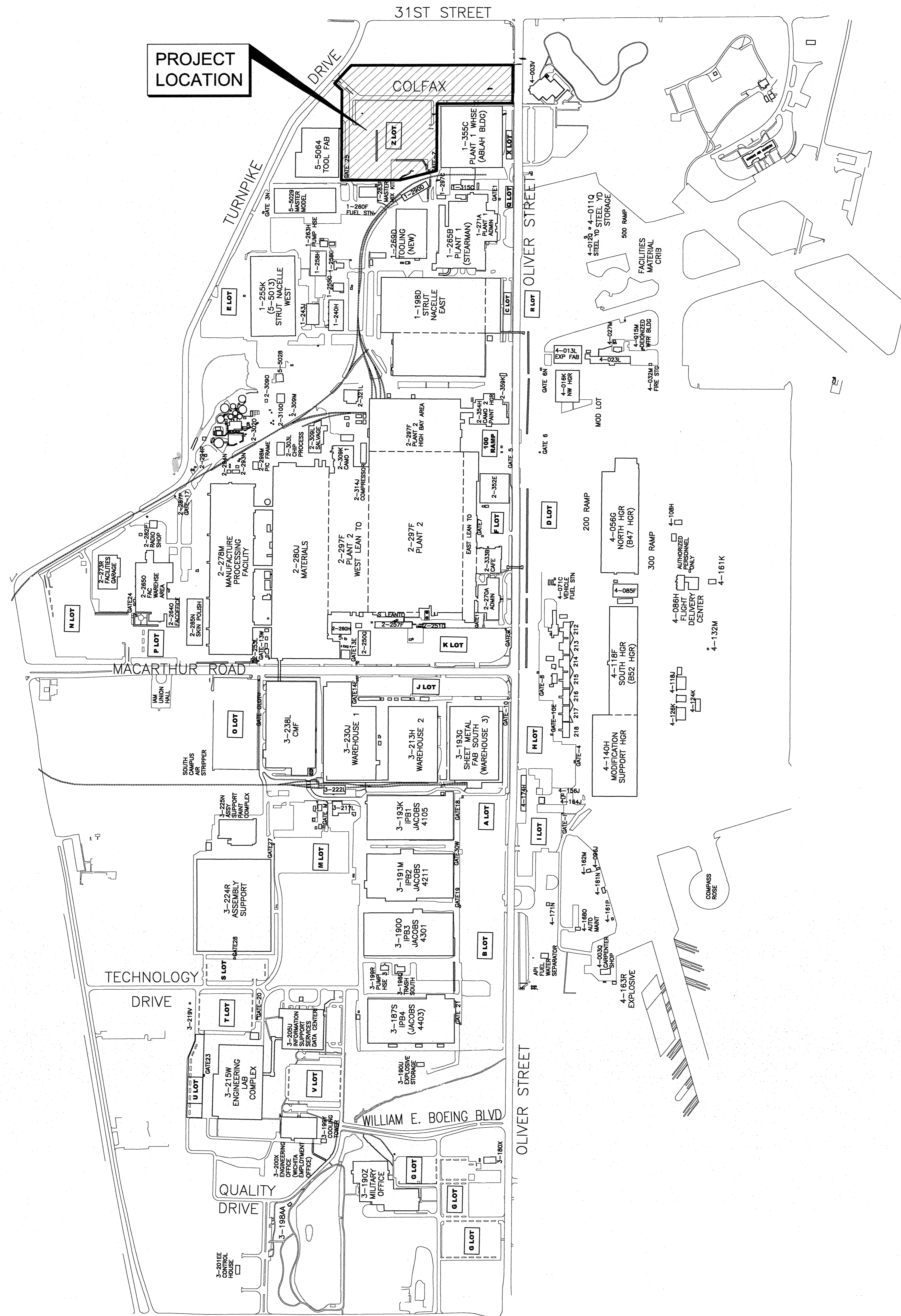
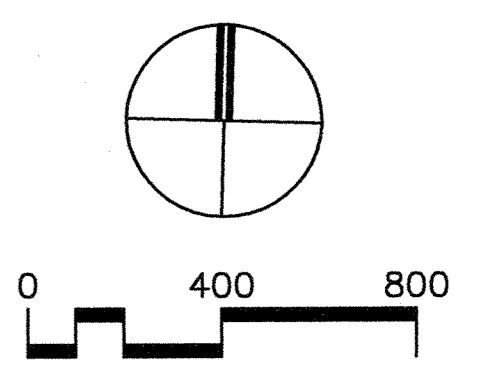


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u:\32910201\C\32910201C-100.dwg Jul 24, 2008 - 1:28pm PLOTTED BY: jmbatz

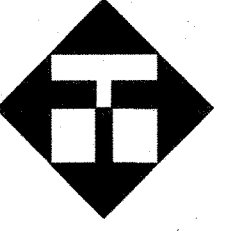


McCONNELL AIR FORCE BASE



FOR INFORMATION ONLY

HASKELL
 America's Design-Build Leader
 The Haskell Company
 111 Riverside Avenue
 Jacksonville, Florida 32202
 Phone # (904) 791-4500



32910201

FIRE PROTECTION REVIEW	
APPROVED	DATE
<input type="checkbox"/>	
NOT REQUIRED	DATE
<input type="checkbox"/>	

ACCEPTABILITY	
NAME	DATE

DATE	ISSUE/REVISION
07/23/08	RCPI-SAN
07/08/08	DES-REVIEW-#2
06/20/08	CPI-SAN

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DRAWN BY: jmb
 CHECKED BY: [blank]

EXISTING CAMPUS MAP

A/E SHEET NUMBER
C-100
 C-10X
 CLIENT SHEET NUMBER

WREF: 32910201-10
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 WREF: 32910201-100

1893 PPS
 Survey As-Built
 Contractor: Pearson Excavating
 Survey Company: Schwab-Eaton
 pdf by : BDB, 11/24/2008

INSTALL SALVAGED EXISTING MUFFIN GRINDER
 AND METERING STATION EQUIPMENT IN
 EXISTING VAULT. COORDINATE WITH THE CITY
 OF WICHITA FOR ELECTRICAL AND OTHER
 REQUIREMENTS TO OPERATE SYSTEM.

LIMITS OF RELOCATED TELCO
 COMM LINE COORDINATE WITH OWNER
 REMOVE EXISTING TELCO
 COMM LINE

LIMITS OF RELOCATED TELCO
 COMM LINE COORDINATE WITH OWNER

SA moved 11' North and 6'
 East, new flowlines are
 shown on Sheet C-121

PLUG 6" SAN SEWER
 AT ELEV = 1344.39
 CONTRACTOR SHALL INSTALL
 PROTECTIVE BULKHEAD ON
 PLUGGED SEWER AND MARK
 ABOVE GROUND.
 N. 1666148.04,
 E. 1664057.63

FOR CONTINUATION SEE
 PLUMBING PLANS
 CONSTRUCT 35 LF OF 6" PVC
 SAN SEWER SERVICE AT 1.00%

INSTALL 68 LF OF TEMP 30" CMP
 WITH 30" FES CONNECT TO
 EXISTING 30" RCP AND CONSTRUCT
 TEMPORARY MANHOLE

INSTALL TEMPORARY
 INLET PROTECTION
 SDA#9, 2'x4' Grate inlet
 Rim=1346.17
 FL=1342.67 30" RCP (SW)
 FL=1342.72 24" RCP (NE)

REMOVE ASPHALT AS REQUIRED

CAUTION: LOW COVER CONDITION
 OWNER TO PROVIDE CAUTION
 SHALLOW BURIED PIPE BELOW
 WARNING SIGN

EXISTING MUFFIN GRINDER AND METERING
 EQUIPMENT TO BE SALVAGED, COORDINATE
 WITH THE CITY OF WICHITA UTILITY DEPT.

CONNECT TO EXISTING 12"
 VCP SANITARY SEWER AT
 STRUCTURE SA-5

REMOVE AND REPLACE
 APPROXIMATELY 30 LF OF
 CHAIN LINK SECURITY FENCE
 MATCH EXISTING

REMOVE EXISTING 24" RCP/PE AND
 REPLACE EXISTING CONCRETE
 PAVEMENT AS REQUIRED
 REMOVE AND REPLACE
 APPROXIMATELY 20 LF OF
 CHAIN LINK SECURITY FENCE
 MATCH EXISTING

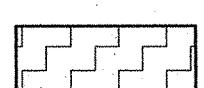

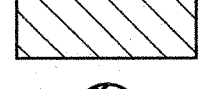
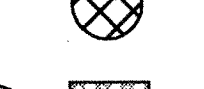



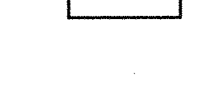
SS 1304
 Pump Sta.
 Top=1349.57
 INV(SSW)=1340.57(8" PVC)
 Top 2-3" pipes(NE)=1345.87

FF=1350.44
 Building (20.3')
 SS 1305
 Top=1349.41
 Top 2-3" pipes(SW)=1345.96
 Top 2 1/2" pipe(NE)=1345.91

COORDINATE TABLE			
STRUCTURE No.	NORTHING	EASTING	DETAIL
SA-1	1666371.75	1664047.36	A5/C-520
SA-2	1666136.42	1664051.75	A5/C-520
SA-3	1665936.45	1664055.48	A5/C-520
SA-4	1665943.61	1664323.02	A5/C-520
SA-5	1665948.97	1664523.11	A5/C-520
SA-6	1665967.81	1664658.99	A5/C-520

Revised SA-2 N. 1666148.04, E. 1664057.63

LEGEND

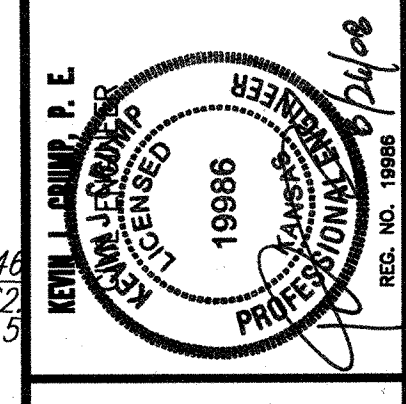
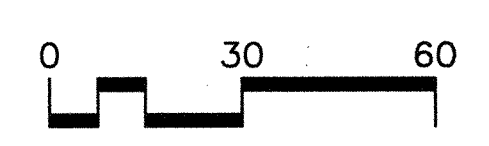
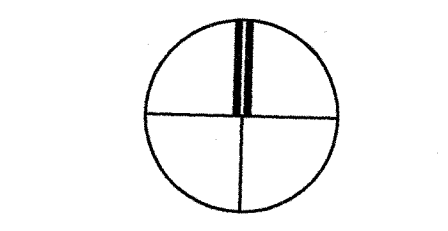
-  LIMITS OF ASPHALT PAVEMENT REMOVAL
-  LIMITS OF CONCRETE PAVEMENT REMOVAL
-  REMOVE EXISTING STORM PIPE
-  UTILITY CONFLICT - CONTRACTOR TO FIELD VERIFY PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER WITH CONFLICTS
-  TEMPORARY INLET PROTECTION (A2 522)
-  EXISTING TREE OR SHRUB TO BE REMOVED
-  EXISTING SANITARY SEWER MANHOLE TO BE REMOVED
-  DESIGN ALTERNATE COORDINATE WITH THE CITY OF WICHITA

CAUTION

THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES SHOWN ON THESE PLANS WERE OBTAINED FROM AVAILABLE RECORD INFORMATION, AND ARE CONSIDERED APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS, ELEVATIONS AND DIMENSIONS OF ADJACENT AND/OR CONFLICTING UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION IN ORDER THAT ADJUSTMENTS CAN BE MADE TO PROVIDE FOR ADEQUATE CLEARANCES. THE CONTRACTOR SHALL PRESERVE AND PROTECT PUBLIC UTILITIES AT ALL TIMES DURING CONSTRUCTION. ANY DAMAGE TO UTILITIES RESULTING FROM CONTRACTOR'S OPERATION SHALL BE RESTORED AT HIS EXPENSE. THE ENGINEER SHALL BE NOTIFIED WHEN UTILITY CONFLICTS ARE DISCOVERED IN THE FIELD.

UTILITY GENERAL NOTES:

- PERMANENT MONUMENTS SHALL BE FURNISHED AND INSTALLED TO IDENTIFY ALL ACTIVE/UNDERGROUND UTILITIES AND SERVICES INSTALLED DURING CONSTRUCTION. THE PERMANENT MONUMENTS OR MARKERS SHALL HAVE THE FOLLOWING INFORMATION: UTILITY TYPE, MATERIAL TYPE, DEPTH OF BURIAL, SIZE AND DIRECTION OF FLOW. THE MONUMENT SHALL CONSIST OF A 3" DIAMETER FLAT BRASS DISK MOUNTED IN A PERMANENT BASE. THE MONUMENTS SHALL BE LOCATED AT ALL CHANGES IN ALIGNMENT AND APPROXIMATELY 300' ON CENTER.



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 Jacksonville, Florida 32202
 Phone # (904) 791-4500
HASKELL
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 ACO00261 EB000986 EB000989 LC26000242

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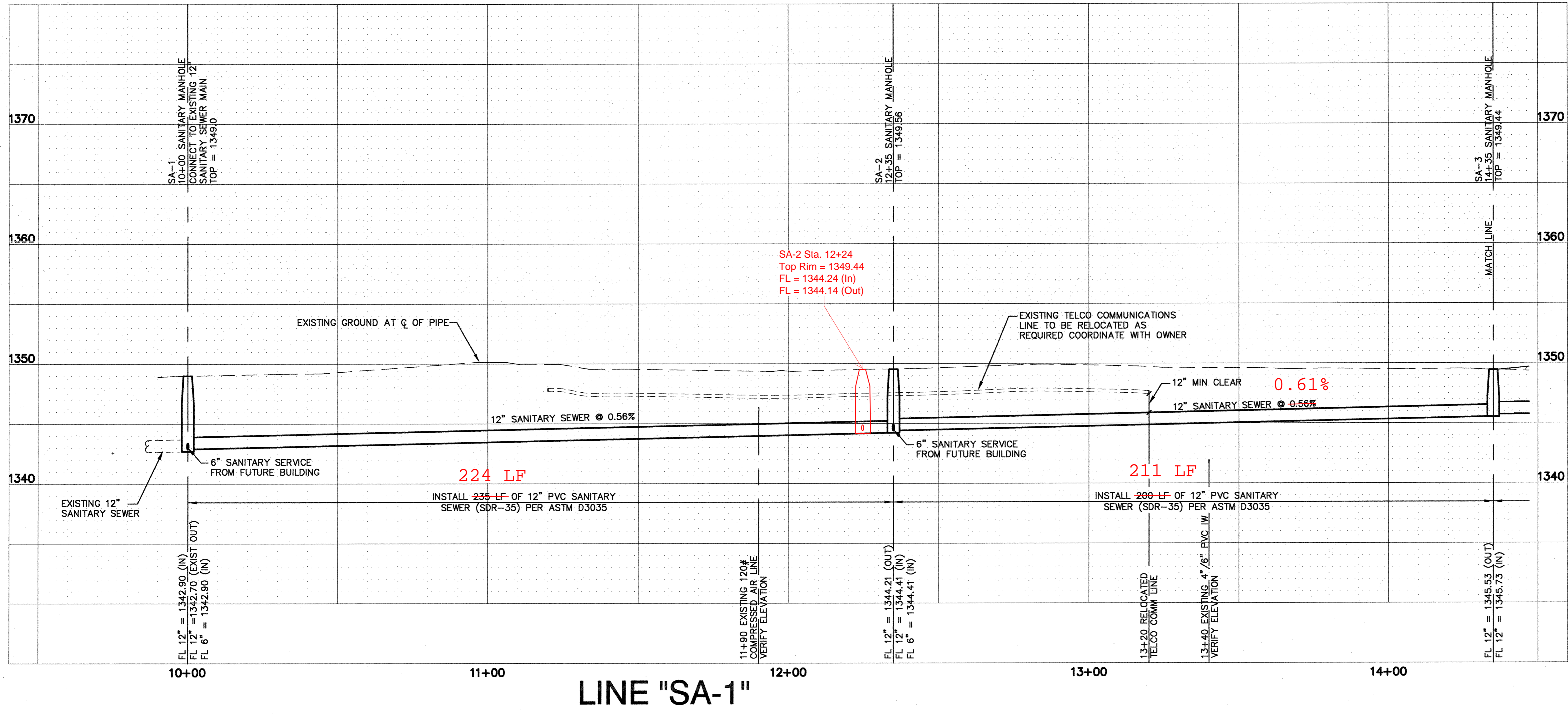
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NAME	DATE	REVIEW	DATE
		APPROVED	
		NOT REQUIRED	

DATE	ISSUE/REVISION
8/5/08	DES-REVIEW-#3
07/23/08	RCP1-SAN
07/08/08	DES-REVIEW-#2
06/20/08	CPI-SAN

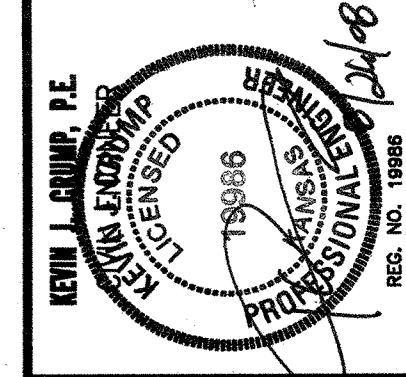
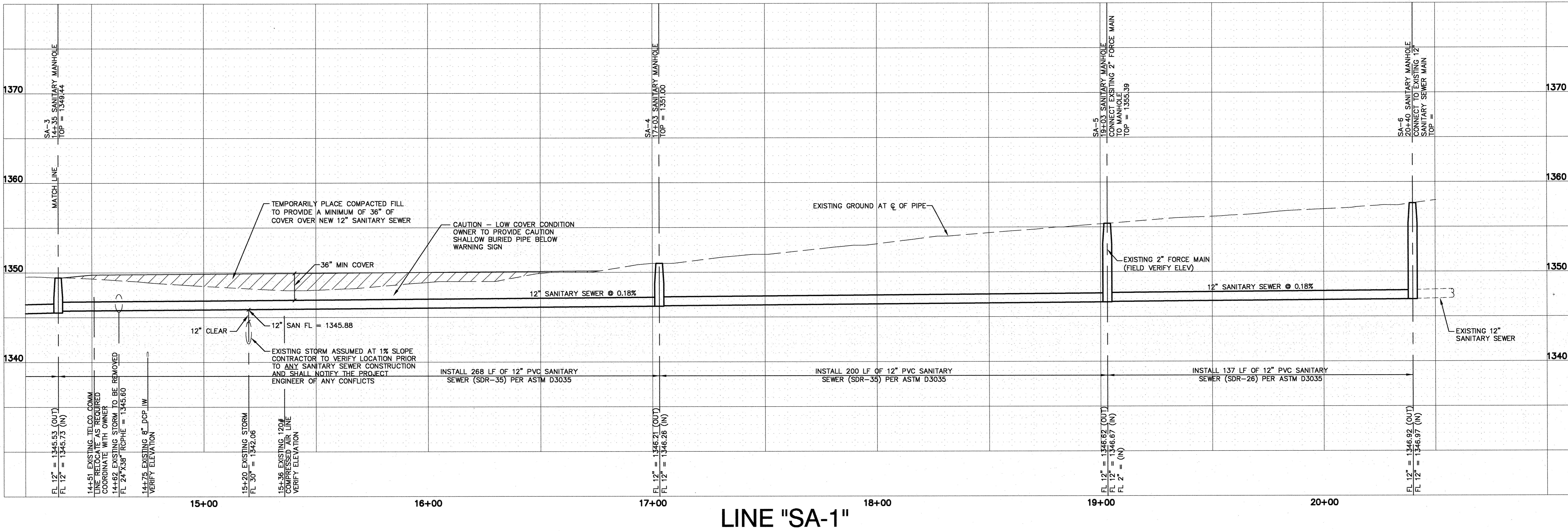
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 DRAWN BY: jmb
 CHECKED BY:

SANITARY SEWER
 RELOCATION
 PLAN
 A/E SHEET NUMBER
C-120
 CLIENT SHEET NUMBER

XREF: 32910201-10g [U:\32910201\32910201-10g.dwg]
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 XREF: 32910201-92 [U:\32910201\32910201-92.dwg]



1893 PPS
 Survey As-Builts
 Contractor: Pearson Excavating
 Survey Company: Schwab-Eaton
 pdf by : BDB, 11/24/2008



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ACCEPTABILITY		FIRE PROTECTION REVIEW	
NAME	DATE	APPROVED	DATE
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		<input type="checkbox"/>	

DATE	ISSUE/REVISION
8/5/08	DES-REVIEW-#3
07/23/08	RCPI-SAN
07/08/08	DES-REVIEW-#2
06/20/08	CPI-SAN

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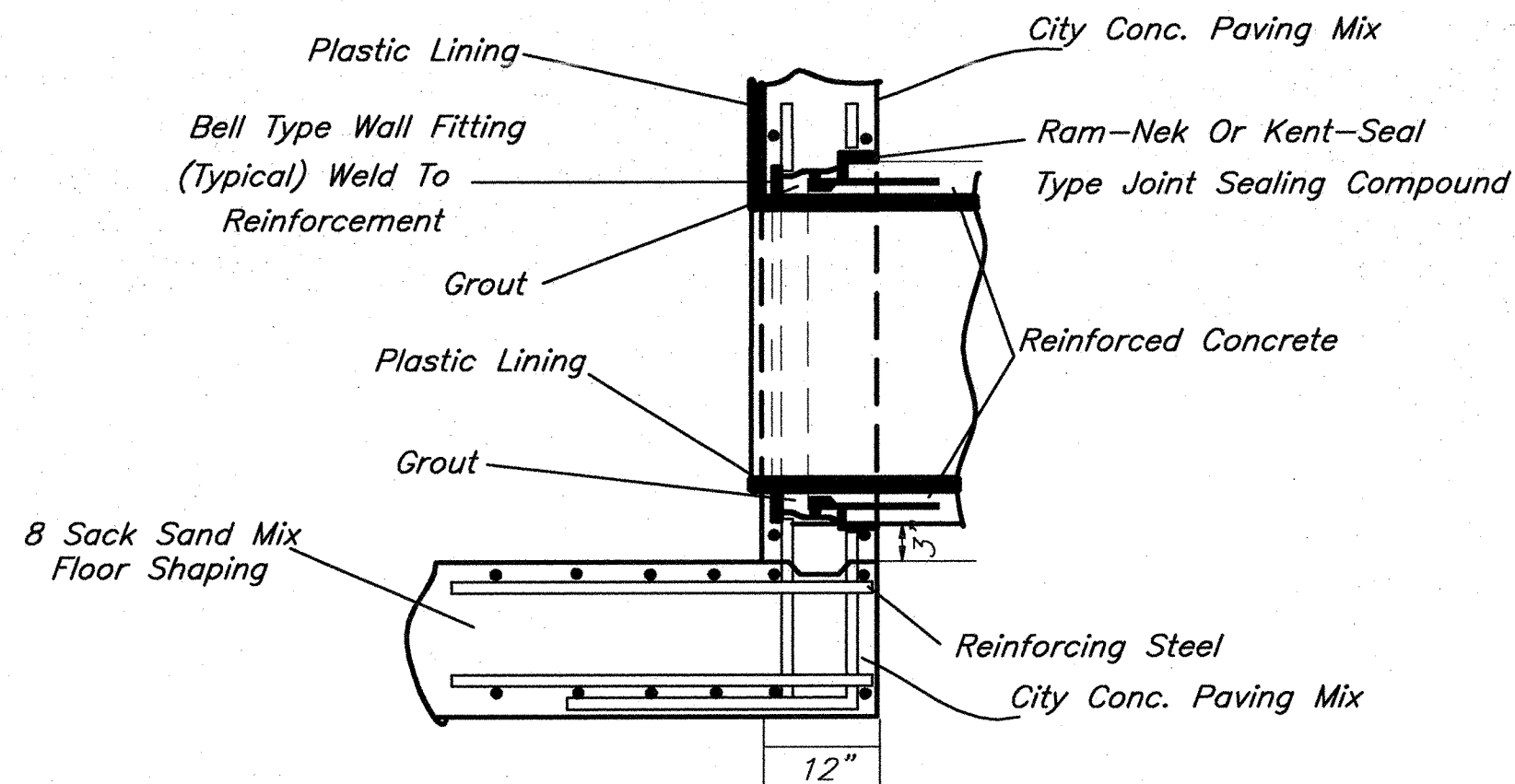
DRAWN BY: jmb
 CHECKED BY: jmb
 AS JOB NUMBER: 32910201
 00000

SANITARY SEWER RELOCATION PROFILE

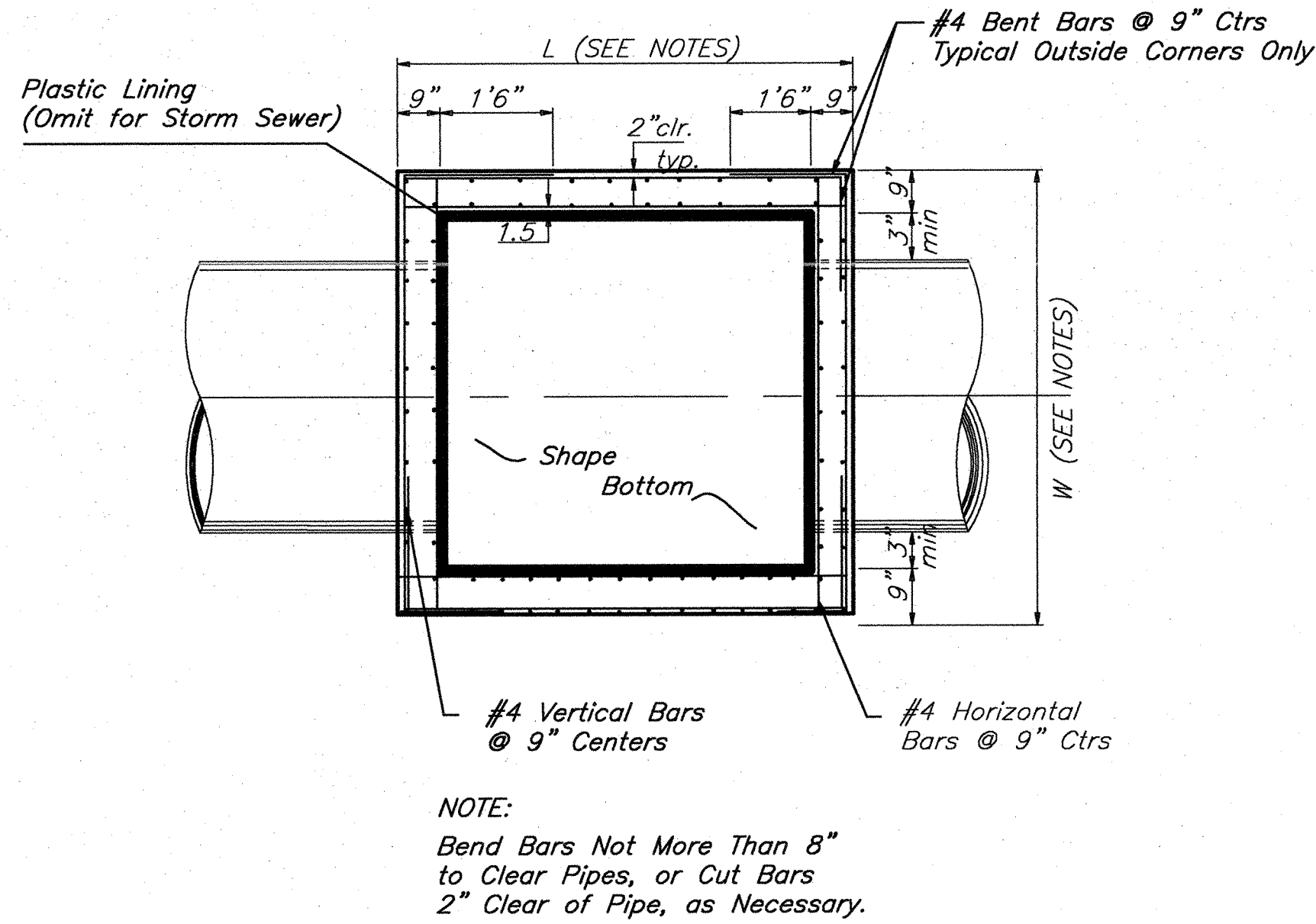
SCALE:
 1"=20' HORZ.
 1"=5' VERT.

A/E SHEET NUMBER
C-121
 C-1XX
 CLIENT SHEET NUMBER

U:\32910201\Deliverables\PI San Sewer 7-25-08\32910201-C-121.dwg Aug 26, 2008 - 2:17pm PLOTTED BY: jmbretz



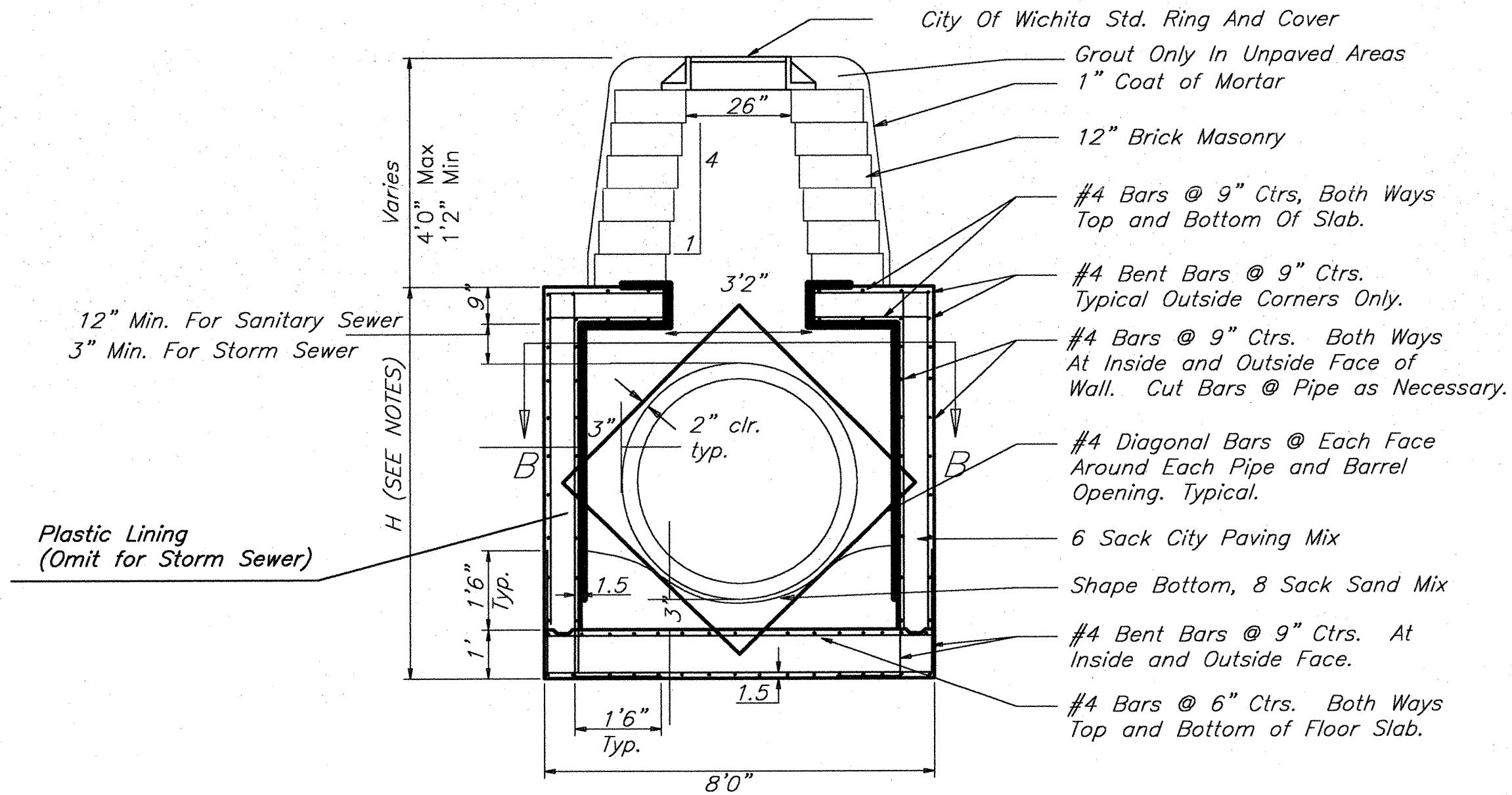
R.C.P. CONNECTION DETAIL
SANITARY SEWER ONLY



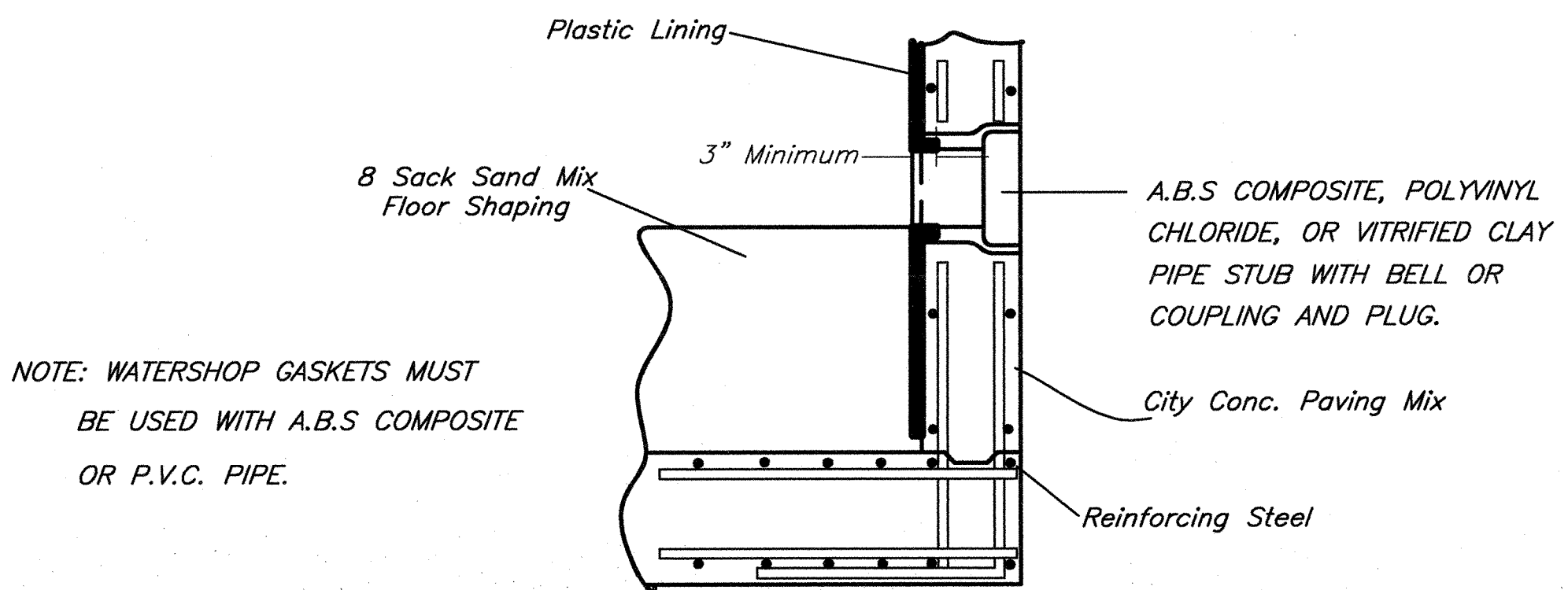
TOP VIEW

GENERAL NOTES:

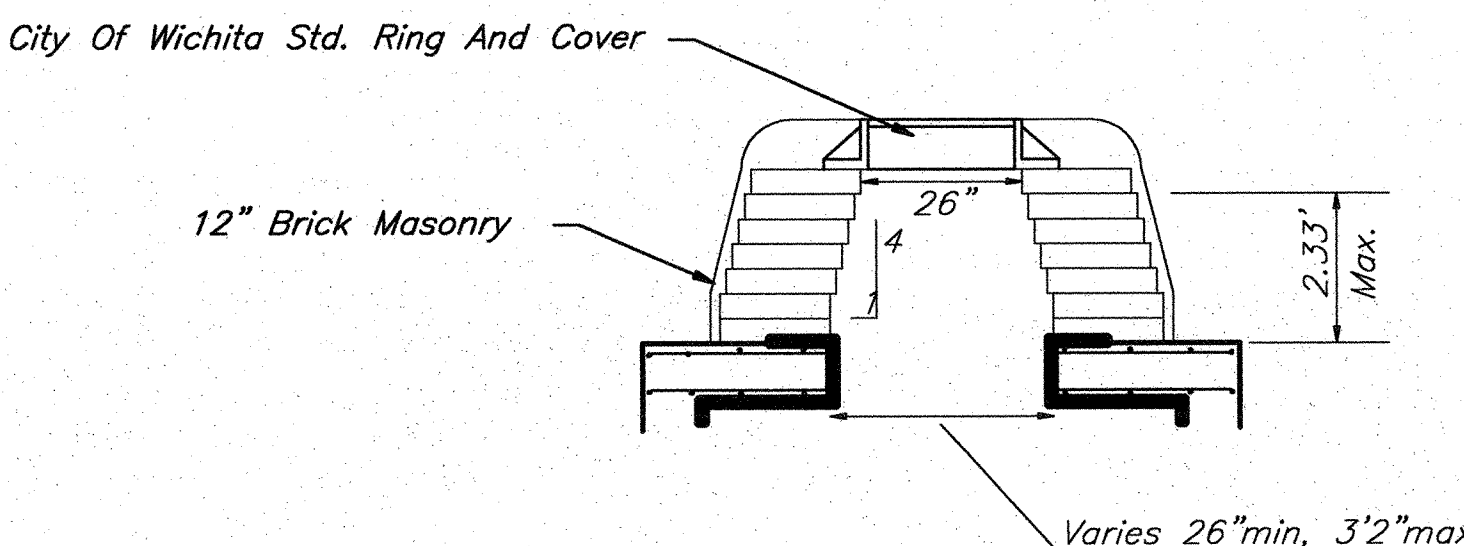
- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD. CONCRETE USED IN MANHOLE WALLS AND BASES SHALL CONFORM TO THE REQUIREMENTS FOR CONCRETE PAVEMENT CONSTRUCTION AS SPECIFIED IN THE CITY STANDARD PAVING SPECIFICATIONS, USING CITY CONCRETE PAVEMENT MIX WITHOUT AIR ENTRAINING ADMIXTURE. MORTAR SHALL BE PLACED AROUND THE MANHOLE RING AS SHOWN ON THE DRAWINGS WHEN MANHOLES ARE CONSTRUCTED IN UNPAVED AREAS. COMPLETED MANHOLE SHALL BE WITHOUT LEAKS AND WATER TIGHT.
- THE FLOORS OF ALL MANHOLES SHALL BE SHAPED WITH FLOW CHANNELS SUCH THAT THE MANHOLES WILL BE SELF CLEANING. USING 8-SACK SAND MIX CONCRETE. FLOW CHANNELS SHALL BE FORMED TO MATCH THE BOTTOM HALVES OF THE INFLOWING PIPES AND THE OUTFLOWING PIPE. MANHOLE FLOORS SHALL HAVE SLOPES OF 3 INCHES PER FOOT IN THE AREAS OUTSIDE OF THE FLOW CHANNELS SLOPED TOWARD THE FLOW CHANNELS.
- 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 ENDS OF ALL PIPES IN MANHOLES SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF MANHOLE WALL.



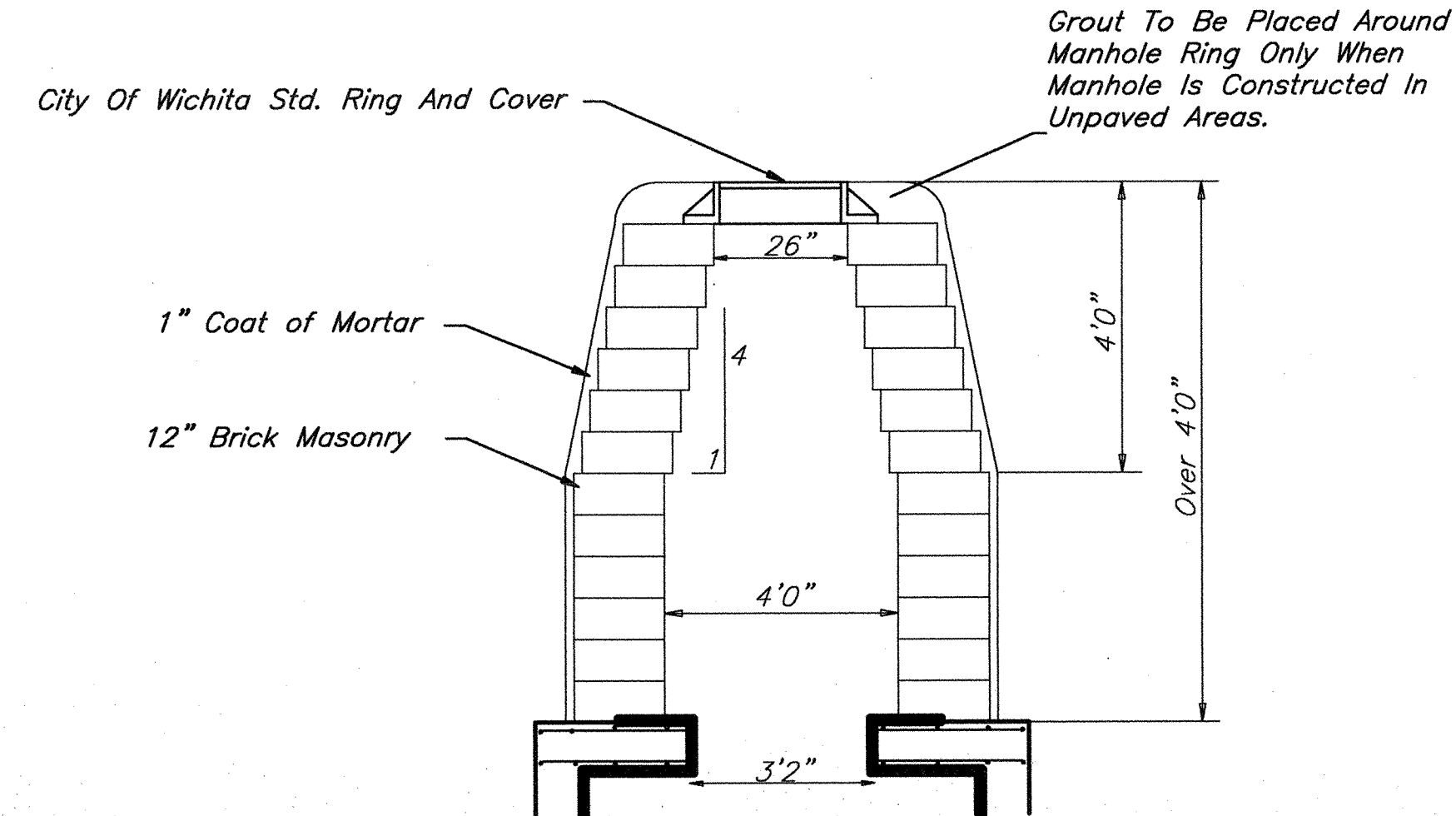
REINFORCED CONCRETE MANHOLE
MANHOLE STACK 2.33' TO 4'0"



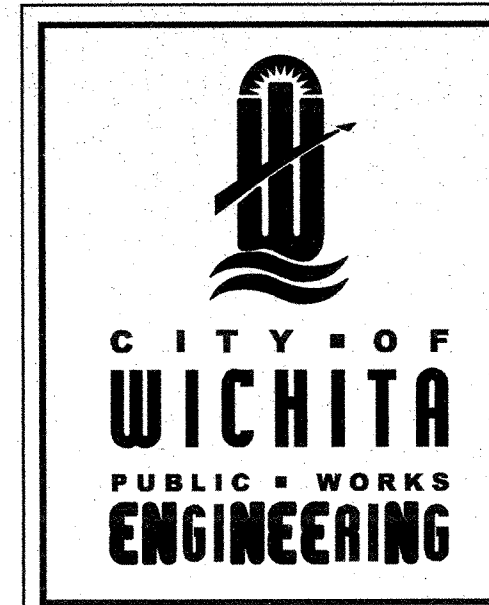
PIPE STUB DETAIL
SANITARY SEWER ONLY



REINFORCED CONCRETE MANHOLE
MANHOLE STACK LESS THAN 2.33'

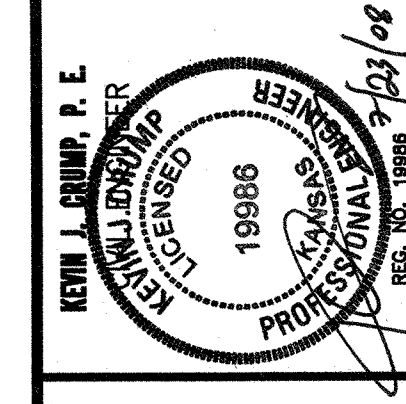


REINFORCED CONCRETE MANHOLE
MANHOLE STACK OVER 4'0"



REINFORCED CONCRETE MANHOLE			
CITY ENGINEER JAMES L. ARMOUR, P.E., L.S.			
PROJECT NUMBER XXX-XXXX	OGA NUMBER XXXXXX	DATE MM/YY	
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 425 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4400 (316) 268-4114 FAX	DESIGN ABC	DRAWN DEF	SHEET X OF X

SSDTAIL.DWG



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The Haskell Company
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Jacksonville, Florida 32202
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ACCEPTABILITY	DATE	BY
SPECIFIED BY		
APPROVED		
NOT REQUIRED		

DATE	ISSUE/REVISION
07/23/08	RCPI-SAN

Drawn by: jmb	Checked by:
Job Number 32910201	
Sheet Number 00000	

UTILITY DETAILS
A/E SHEET NUMBER
C-520
C-1XX
CLIENT SHEET NUMBER

