GENERAL NOTES

SITE GRADING NOTES

THE GRADING CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IN OR WITH THE DOCUMENTS.

CONTRACTOR LIMITS OF WORK ARE TO AND WITHIN THE PROPERTY LINES ONLY.

NO PRESENTATION IS MADE ON THESE DRAWINGS CONCERNING EARTHWORK MATERIAL QUALITIES, HOWEVER, THE EARTHWORK CUTS AND FILLS ARE PROJECTED TO BALANCE. AN ALLOWANCE IS TAKEN IN THE CONTRACT FOR "IMPORT STRUCTURAL FILL" IN THE EVENT THAT NOT ENOUGH SUITABLE ON SITE FILL ENCOUNTERED.

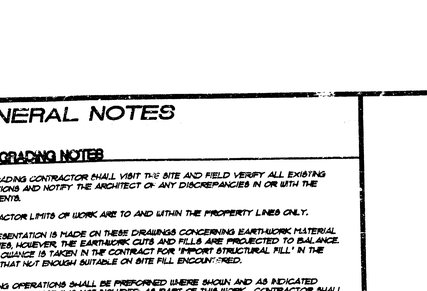
GRADING OPERATIONS SHALL BE PERFORMED WHERE SHOWN AND AS INDICATED BY PHASE I. PHASE II IS NOT INCLUDED AS PART OF THIS WORK. CONTRACTOR SHALL, HOWEVER, MODIFY GRADES AT PHASE II TO FACILITATE DRAINAGE OF THAT AREA.

GRADES INDICATED REPRESENT FINISH GRADES AT TOP OF PROPOSED PAVEMENT. ADJUST FOR SUBGRADES. SEE PAVEMENT PLAN.

CONTRACTOR SHALL MATCH EXISTING FINISH GRADES ALONG PROPERTY LINES AND AT STRUCTURES AS NOTED.

STORM WATER SEWER NOTES

1. 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 be 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. Location information has been obtained from the various utility companies and is either from company record drawings or company provided field locations. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
2. 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 or a licensed professional engineer in accordance with state laws.
3. The Contractor shall contact Kansas One Call at 681-2470 to have underground utilities located prior to construction of this project.
4. The Contractor shall seed, fertilize, and mulch all disturbed areas after completion of construction.

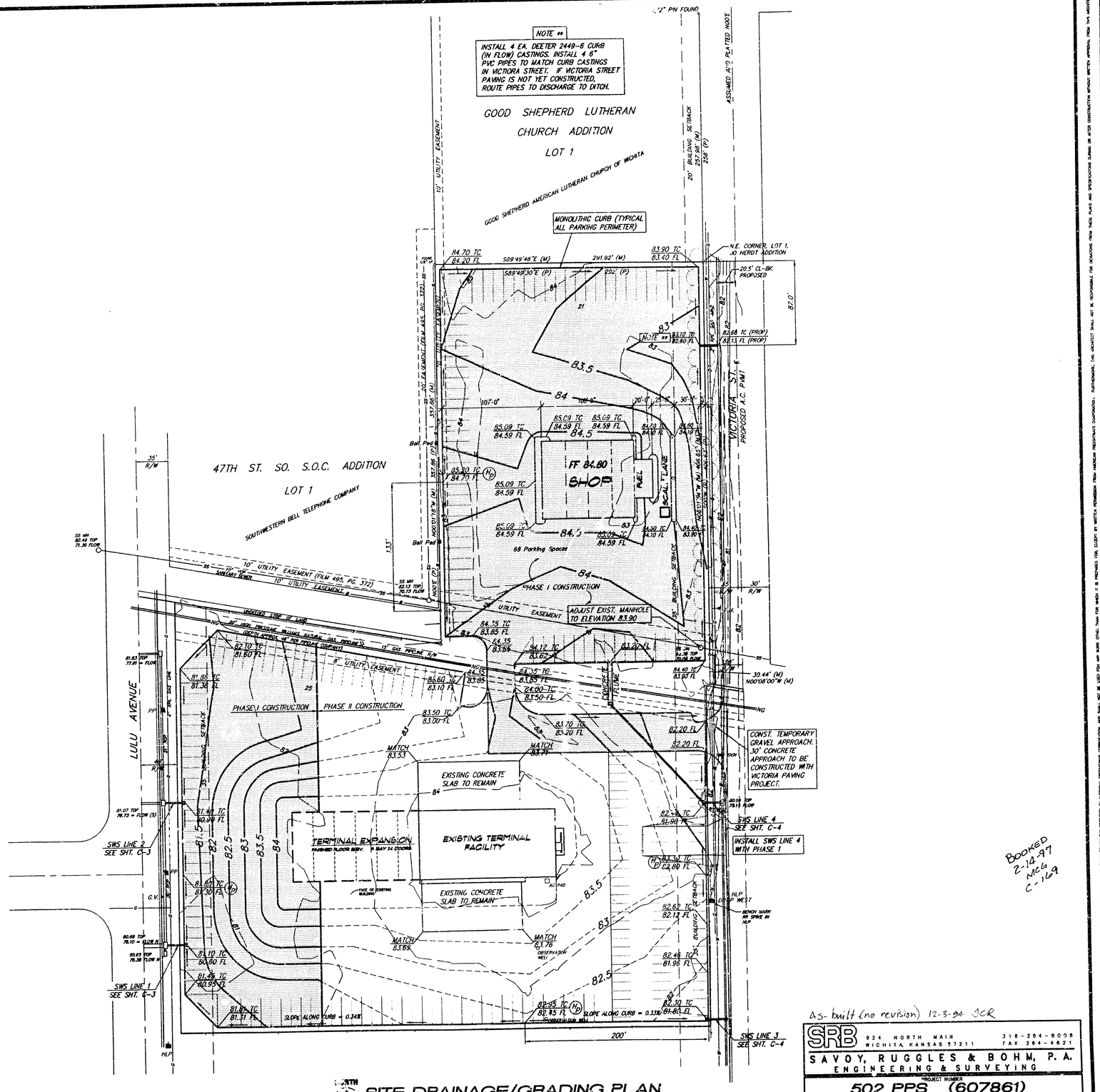


VICINITY MAP

INSPECTION AND TESTING FOR THIS PROJECT TO BE PROVIDED BY A LICENSED CONSULTING ENGINEERING FIRM UNDER CONTRACT WITH THE OWNER/DEVELOPER. SAID INSPECTION 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 INSPECTIONS, NOR SHALL ANY WORK BE COMMENCED IN DEDICATED EASEMENTS OR PUBLIC RIGHT-OF-WAY WITHOUT WRITTEN AUTHORIZATION BY THE CITY ENGINEER.

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers VRH 10/3/94
Driveway Approaches _____
Water Mains _____
Paving _____



SITE DRAINAGE/GRADING PLAN

REVISIONS	BY

ADDITION AND RENOVATION FOR:
AMERICA'S WAYS
Serving "AMERICA" Safely!
4931 S. VICTORIA WICHITA, KANSAS

PATRICK W. BROWN
CORPORATE ARCHITECT
2220 Forest Drive Manhattan, Kansas 66502
Phone: (785) 539-4700 FAX: (785) 539-4800

CHRISTOPHER MICHAEL BOHM
LICENSED
11631
KANSAS
PROFESSIONAL ENGINEER
10-3-94

Booked 2-14-97 MCG C-169

As-built (no revision) 12-3-94 JCR

DRAWN	CMB
CHECKED BY:	
START DATE	SEPT 22, 1994
SCALE	1"=20'
JOB NO.	750-WTK-94
SHEET	C-1
OF	SHEETS

SRB 924 NORTH MAIN WICHITA KANSAS 67211 316-264-8008 FAX 264-4621
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

PROJECT NUMBER 502 PPS (607861)

DRAWN	DESIGN	REVIEW	DATE	UTILITY	SRB JOB
C. BOHM	C. BOHM	TCR	9-1994		76E

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REVISIONS | BY

ADDITION AND RENOVATION FOR,
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Serving *AMERICA* Safely!

PATRICK ROWN
CORPORATE ARCHITECT
2200 Thirtieth Drive Hattiesburg, Mississippi 39401
Phone (601) 582-4783 FAX (601) 582-4884

LICENSED PROFESSIONAL ENGINEER
KENNETH MICHAEL ROHM
No. 11631
10-5-94

DRAWN CMB
CHECKED BY:
START DATE SEPT 22, 1994
SCALE 1"=20'
JOB NO. 750-WTK-94
SHEET C-2
OF SHEETS

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1 CONC. JOINT DTL.
SCALE : 3/4" - 1'-0"

1A CONTROL JOINT FOR WALK
- SAW JOINT
- FILL JT. WITH POURED FILLER
- METAL FABRIC WHEN REQ'D. SEE SPECS

1B EXPANSION JOINT FOR WALK
- 1/2" JOINT
- PRE-MOLDED JOINT SEALANT FILLER
- METAL FABRIC WHEN REQ'D. SEE SPECS

1C CONSTRUCTION/EXPANSION JOINT FOR PAVEMENT
- DOWELS 3/4" x 24" PLAIN BARS @ 12" O.C. PAPER SLEEVES MUST PERMIT 1" EXPANSION ON ALL DOWELS
- PAPER EXPANSION SLEEVE
- FILL TOP JOINT W/ 1/2" SEALANT
- 1/4" OR 1/2" RADIUS
- THICKNESS AS INDICATED ON PLAN
- METAL FABRIC WHEN REQ'D. SEE SPECS
- POUR 1/4" RELIEF TOP OF SLAB

1D CONTROL JOINT FOR PAVEMENT
- 1/4" x 1/2" POURED FILLER
- 1/4" RADIUS
- THICKNESS AS INDICATED ON PLAN
- METAL FABRIC WHEN REQ'D. SEE SPECS

1E STANDARD PAVEMENT SECTION
- 6"
- 2-1/2" R.
- 3-1/2" R.
- 6" CONCRETE
- 4" ROLLED BASE (90% STD. DENSITY)
- 8" TREATED SUBGRADE (90% STD. DENSITY) 4% PORTLAND CEMENT BY VOL.
- 12"
- 2'-0"

SRB
924 NORTH MAIN 316-264-8008
WICHITA, KANSAS 67211 FAX 264-6621
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

PROJECT NUMBER					
DRAWN C. BOHM	DESIGN C. BOHM	REVIEW TOR	DATE 9-1994	UTILITY	JOB NO. 295

CONCRETE JOINT LAYOUT PLAN
SCALE 1"=80'-0"

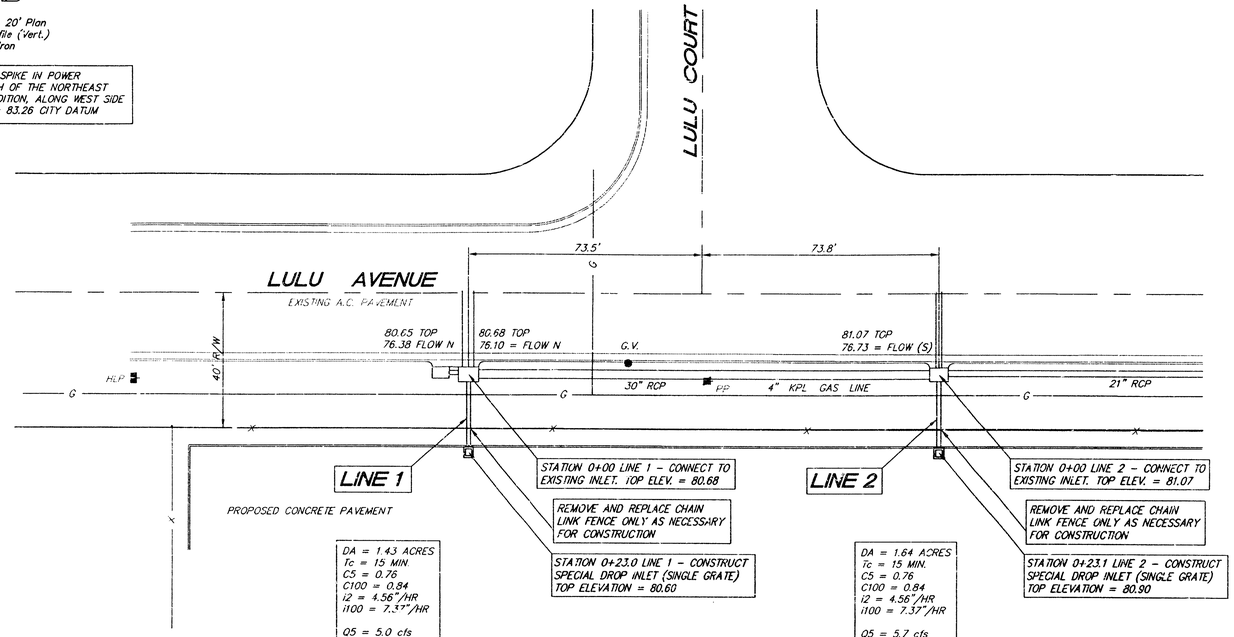
NORTH

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SRB

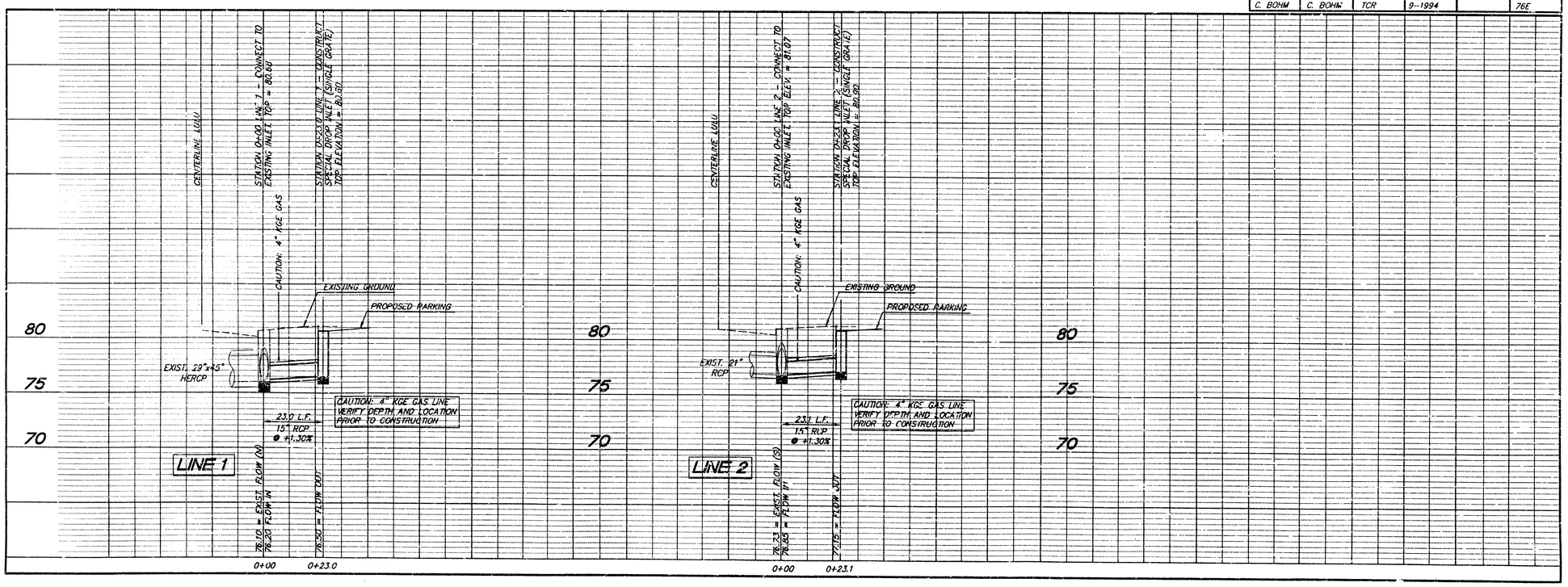
Scale: 1" = 20' Plan
1" = 5' Profile (Vert.)
o = Iron

BENCH MARK: RAILROAD SPIKE IN POWER POLE LOCATED 223' SOUTH OF THE NORTHEAST CORNER OF OVERHOLT ADDITION, ALONG WEST SIDE OF VICTORIA, ELEVATION = 83.26 CITY DATUM



OVERHOLT ADDITION

NOTE: CONTRACTOR TO CONTACT CALVIN BRUMMER WITH KGE GAS AT 832-3119 TO ARRANGE THE RELOCATION OF GAS SERVICE LINE CROSSINGS.



SRB 924 NORTH MAIN WICHITA, KANSAS 67211 316-264-8008 FAX 264-4821
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

PROJECT NUMBER 502 PPS (607861)

DRAWN	DESIGN	REVIEW	DATE	UTILITY	SRB JOB
C. BOHM	C. BOHM	TCR	9-1994		76E

REVISIONS	BY

ADDITION AND RENOVATION FOR:
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4931 S. VICTORIA WICHITA, KANSAS

PATRICK V. BROWN
CORPORATE ARCHITECT
2200 Fairmont Drive Wichita, Kansas 67204
Phone (316) 838-1783 FAX (316) 838-4061

CHRISTOPHER MICHAEL BOHM LICENSED 11831 KANSAS PROFESSIONAL ENGINEER 10-3-94

DRAWN CMB
CHECKED BY:
START DATE SEPT 22, 1994
SCALE 1"=20'
JOB NO. 750-WTK-94
SHEET C-3
OF SHEETS

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SRB

Scale: 1" = 20' Plan
1" = 5' Profile (Vert.)
o = Iron

BENCH MARK: RAILROAD SPIKE IN POWER POLE LOCATED 22.3' SOUTH OF THE NORTHEAST CORNER OF OVERHOLT ADDITION, ALONG WEST SIDE OF VICTORIA, ELEVATION = 83.26 CITY DATUM

OVERHOLT ADDITION

ASPHALT PARKING

CONCRETE

NOTE: STORM WATER SEWER MAY CROSS ABANDONED SANITARY SEWER LATERAL FIELD IN THIS AREA. REMOVE AS NECESSARY FOR STORM WATER SEWER CONSTRUCTION

LINE 4

EXISTING GRAVEL PARKING

STATION 1+64.7 LINE 4 – CONSTRUCT SPECIAL DROP INLET (DOUBLE GRATE) TOP ELEVATION = 83.00

DA = 0.95 ACRES
Tc = 15 MIN.
C5 = 0.76
C100 = 0.94
i2 = 4.56"/HR
i100 = 7.37"/HR

Q5 = 3.3 cfs
Q100 = 5.9 cfs

33.5'

8" UTILITY EASEMENT

15' GAS PIPELINE R/W

WILLIAMS 20" HIGH PRESSURE PIPELINE

100.8'

20' UTILITY EASEMENT FILM 491, PG 571

JC HERDT ADDITION

8'

15'

NG

FOUND 3/4" REBAR

SS MH
82.38 TOP
70.03 FLOW

SWO SIGN

STATION 0+19.7 LINE 3 – CONSTRUCT SPECIAL DROP INLET (SINGLE GRATE) TOP ELEVATION = 81.80

REMOVE AND REPLACE CHAIN LINK FENCE ONLY AS NECESSARY FOR CONSTRUCTION

BENCH MARK: R.R. SPIKE IN POWER POLE; ELEV. = 83.26

REMOVE AND REPLACE CHAIN LINK FENCE ONLY AS NECESSARY FOR CONSTRUCTION

STATION 0+19.6 LINE 4 – CONSTRUCT SPECIAL DROP INLET (DOUBLE GRATE) TOP ELEVATION = 81.90

CAUTION: UNDERGROUND WATER AND GAS LINES. VERIFY LOCATION AND DEPTH PRIOR TO PIPE INSTALLATION

LINE 3

PROPOSED CONCRETE PAVEMENT

HLP

GUY

W.M.

EXISTING 8" WATER LINE

EXIST. 2" KGE GAS LINE

W
G
B

40' R/W

80.04 TOP
78.14 FLOW

120.7'

VICTORIA STREET

SS

DA = 0.81 ACRES
Tc = 15 MIN.
C5 = 0.76
C100 = 0.84
i2 = 4.56"/HR
i100 = 7.37"/HR

Q5 = 2.8 cfs
Q100 = 5.0 cfs

STATION 0+00 LINE 3 – CONSTRUCT STANDARD SHALLOW MANHOLE OVER EXISTING 8" STORM WATER SEWER. TOP ELEVATION = 81.50

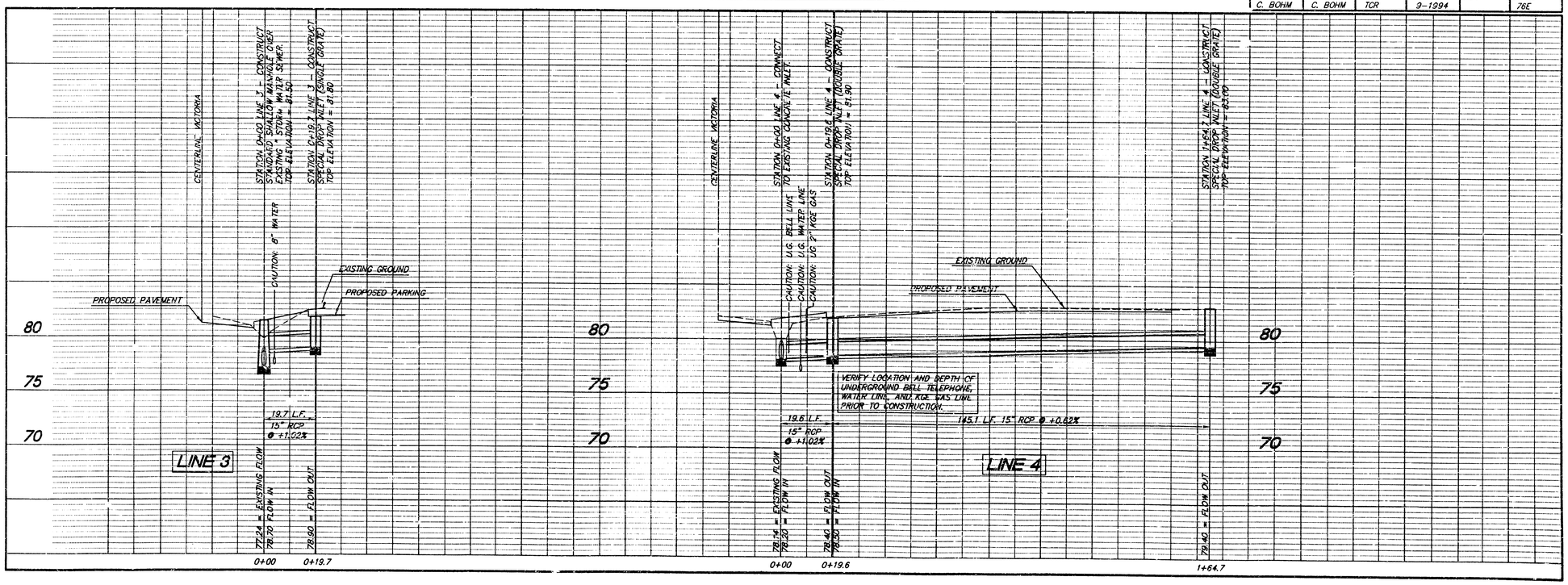
STATION 0+00 LINE 4 – CONNECT TO EXISTING CONCRETE INLET.

DA = 0.35 ACRES
Tc = 15 MIN.
C5 = 0.76
C100 = 0.84
i2 = 4.56"/HR
i100 = 7.37"/HR

Q5 = 1.2 cfs
Q100 = 2.2 cfs

NOTE: CONTRACTOR TO CONTACT CALVIN BRUMMER WITH KGE GAS AT 832-3119 TO ARRANGE THE RELOCATION OF GAS SERVICE LINE CROSSINGS.

NOTE: CONTRACTOR TO CONTACT GREG SHARPE WITH SOUTHWESTERN BELL TELEPHONE AT [illegible]945 TO ARRANGE LOCATION AND POSSIBLE RELOCATION OF BELL TELEPHONE LINE CROSSINGS.



SRB 924 NORTH MAIN WICHITA, KANSAS 67211 316-264-8008 FAX 264-4621
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

PROJECT NUMBER 502 PPS (607861)

DRAWN	DESIGN	REVIEW	DATE	UTILITY	SRB JOB
C. BOHM	C. BOHM	TCR	9-1994		76E

REVISIONS	BY

ADDITION AND RENOVATION FOR:
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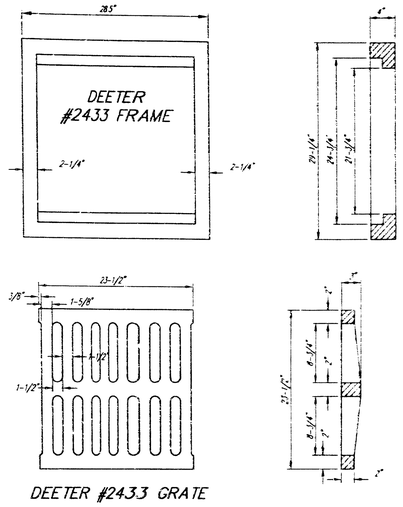
PATRICK D. KOHN
CORPORATE ARCHITECT
2250 Barwell Drive Maitland, Missouri 72061
Phone (816) 584-2100 Fax (816) 584-2000

CHRISTOPHER MICHAEL BOHM
LICENSED
11631
KANSAS
PROFESSIONAL ENGINEER
10-3-94

DRAWN: CWB
CHECKED BY:
START DATE: SEPT 22, 1994
SCALE: 1"=20'
JOB NO.: 750-WTK-94
SHEET: C-4
OF SHEETS

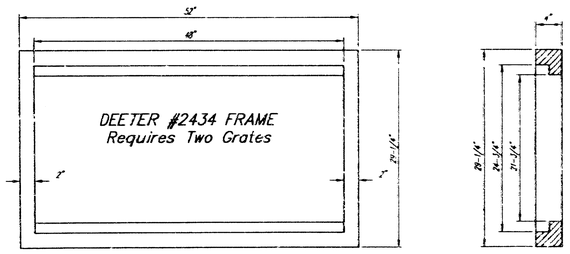
THE ARCHITECTURAL PORTION OF THIS DRAWING, AND THE ACCOMPANYING SPECIFICATION, AS AN INSTRUMENT OF SERVICE, IS AND SHALL REMAIN THE PROPERTY OF AMERICAN FOUNDATIONS CORPORATION, AND SHALL NOT BE USED FOR ANY WORK DONE FROM PLAN SHEETS IF MODIFIED, FOR REUSE BY WRITTEN PERMISSION FROM AMERICAN FOUNDATIONS CORPORATION. PURCHASERS, THEIR ARCHITECT, SHALL NOT BE RESPONSIBLE FOR DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS DURING OR AFTER CONSTRUCTION WITHOUT WRITTEN APPROVAL FROM THIS ARCHITECT.

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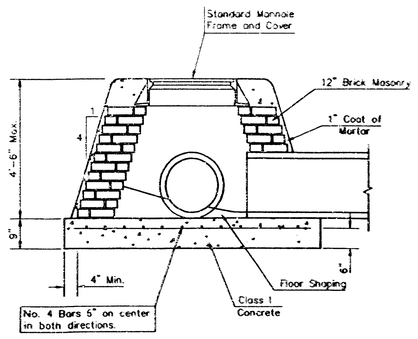


DEETER #2433 GRATE

24" x 24" Frame and Grate Detail



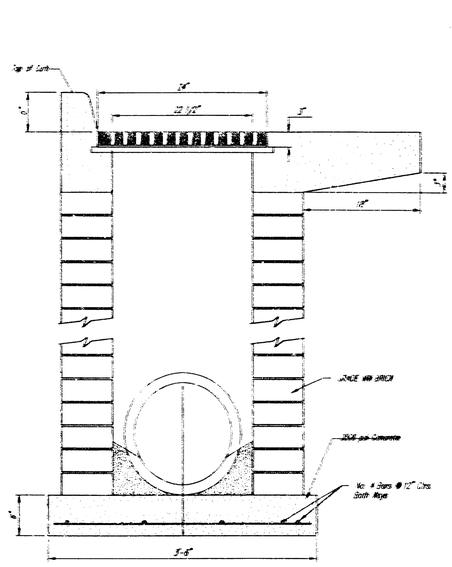
Double 24" x 24" Frame Detail

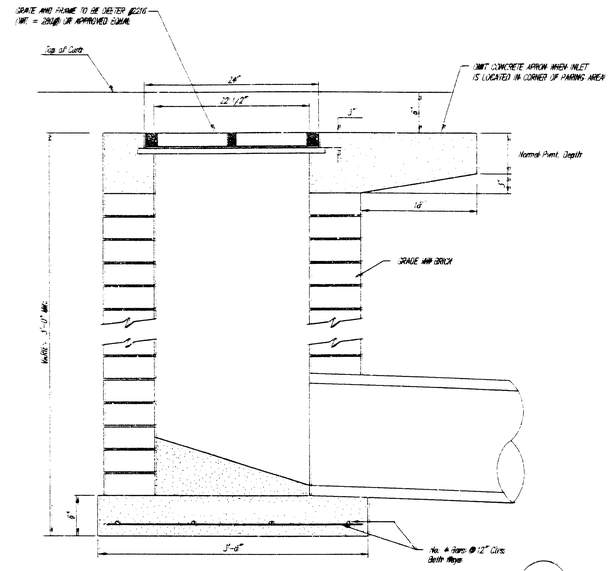


SPECIAL SHALLOW TYPE "B" MANHOLE

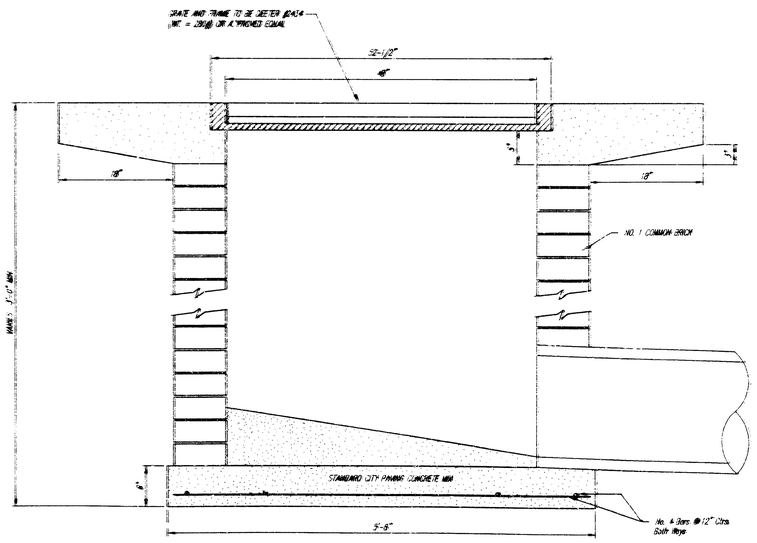
GENERAL NOTES

1. Mortar used in masonry construction shall be Class M. Concrete used in manhole bases shall be Class 3. Mortar shall be placed around the manhole ring as shown on the drawings when manholes are constructed in unpaved areas. Type "A" shallow manholes can be used on sewers when the manhole is not located within public street pavement. 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.
2. 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 6" 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.
3. 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. 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.
4. 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.
5. 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 drawings.
6. The crowns of inflowing pipes shall never be set lower than the crown of the outflowing pipe.
7. Standard shallow manholes type "A" and "B" shall be paid for at the unit price bid per each for the type and diameter indicated. Standard special shallow manholes type "A" and "B" shall be paid for at the unit price bid per each for the type indicated. All standard shallow manhole diameters will be 4' unless indicated otherwise.
8. All brick used in manhole construction shall meet Grade SW of ASTM C652 or C62-87.

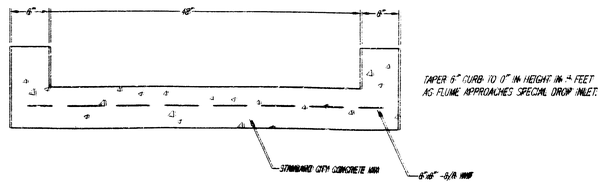




SPECIAL DROP INLET DETAIL (SINGLE GRATE)



SPECIAL DROP INLET DETAIL (DOUBLE GRATE)



CONCRETE FLUME DETAIL

DROP INLET DETAILS

REVISIONS	BY

ADDITION AND RENOVATION FOR:
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Serving AMERICA
Safely
4931 S. VICTORIA, WICHITA, KANSAS

PATRICK V. BROWN
CORPORATE ARCHITECT
2200 Amidon Drive Wichita, Kansas 67203

SUMNER REGIONAL ENGINEER
LICENSED
1987
KANSAS
PROFESSIONAL ENGINEER

DRAWN: CMB
CHECKED BY:
START DATE: SEPT. 22, 1994
SCALE: 1" = 20'
JOB NO: 750-WTH-94
SHEET

C-5