PRIVATE STORM SEWER SYSTEM

TO SERVE PART OF LOT 1, BLOCK 1, KILLARNEY PLAZA 1ST ADDITION

PRIVATE PROJECT NO. 984PPS

OCA#607861

GENERAL NOTES

1. Contractor will be required to notify Kansas One-Call (887-2470), a minimum of 48 hours in advance of beginning any excavation.

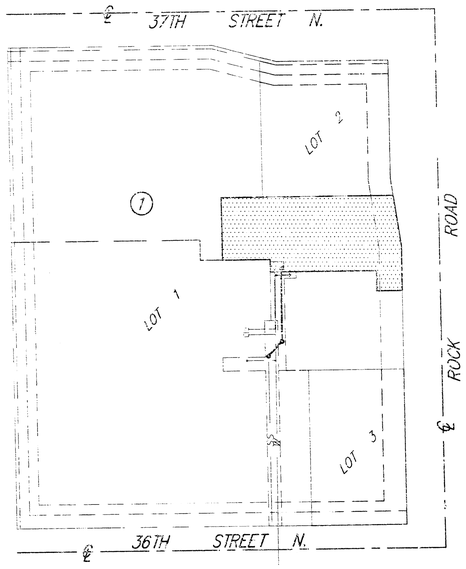
2. The Contractor shall give all property owners and/or tenants of developed property directly abutting the construction of this project a minimum of ten (10) days advance notice prior to start of construction.

3. 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.

4. This project is to be constructed in accordance with City of Wichita Standard Specifications for the Construction and of the Policy on Construction of Public Works Projects by Private Contract.

5. Traffic will not be affected by construction of this project.

6. The Contractor is responsible for seeding and/or sodding any and all disturbed areas on the site.



SERVICE AREA

APPROVED AS NOTED
BY THE CITY ENGINEER OF WICHITA

Sanitary Sewers _____

Storm Sewers VRH 3/10/00

Driveway Approaches _____

Water Mains _____

Paving _____

BENCH MARK

BM #1: City of Wichita Std. Disk at NW Corner Concrete Field Drain. 150'± E. of the E.L. of Rock Road and 6' S. of S.L. 37th Street North.
Elev. 203.87

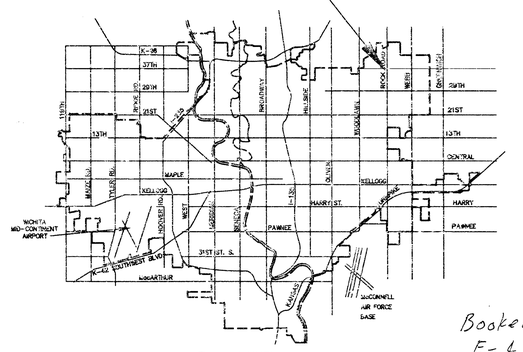
BM #2: "+" Cut in T.C. 10' E. of 2nd Light Pole E. of W.L. Tract 2, N. of Northrock Suites Hotel.
Elev. 198.24

BM #3: "+" Cut at S.E. Corner of Lot 3, Block 1, Killarney Plaza First Addition.
Elev. 200.24

INDEX OF SHEETS

1. TITLE SHEET
2. PLAN – PROFILE
3. SHALLOW MANHOLE DETAILS

PROJECT LOCATION



VICINITY MAP

Booked
E-4
8/19/03
12 DL

NOTE TO CONTRACTOR

INSPECTION AND TESTING FOR THIS PROJECT IS 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 THE PUBLIC RIGHT OF WAY BY THE CONTRACTOR WITHOUT SUCH INSPECTION NOR SHALL ANY WORK BE COMMENCED IN DEDICATED EASEMENTS OR PUBLIC RIGHT-OF-WAY WITHOUT WRITTEN AUTHORIZATION BY THE CITY ENGINEER.

CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, P.E. - CITY ENGINEER

ENGINEERS • SURVEYORS • PLANNERS
LANDSCAPE ARCHITECTS
717 THIRD AVENUE SOUTHWEST
ROCHESTER, MINNESOTA 55902
PHONE: 507-288-3156
FAX: 507-288-9163
EMAIL: MAIL@KRUEGERINC.COM

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF KANSAS.

DATE 7/29/03 LICENSE NO. 17672

9-BAY IN LINE BUILDING
FACADE TO WER

3745 NORTH ROCK ROAD
WICHITA, KANSAS 67226

TITLE SHEET

PROJECT NUMBER 6320
COMPUTER FILE 6320STTHEJAG
DATE 03/08/02
DRAWN BY M.S.F.
CHECKED BY
REVISIONS

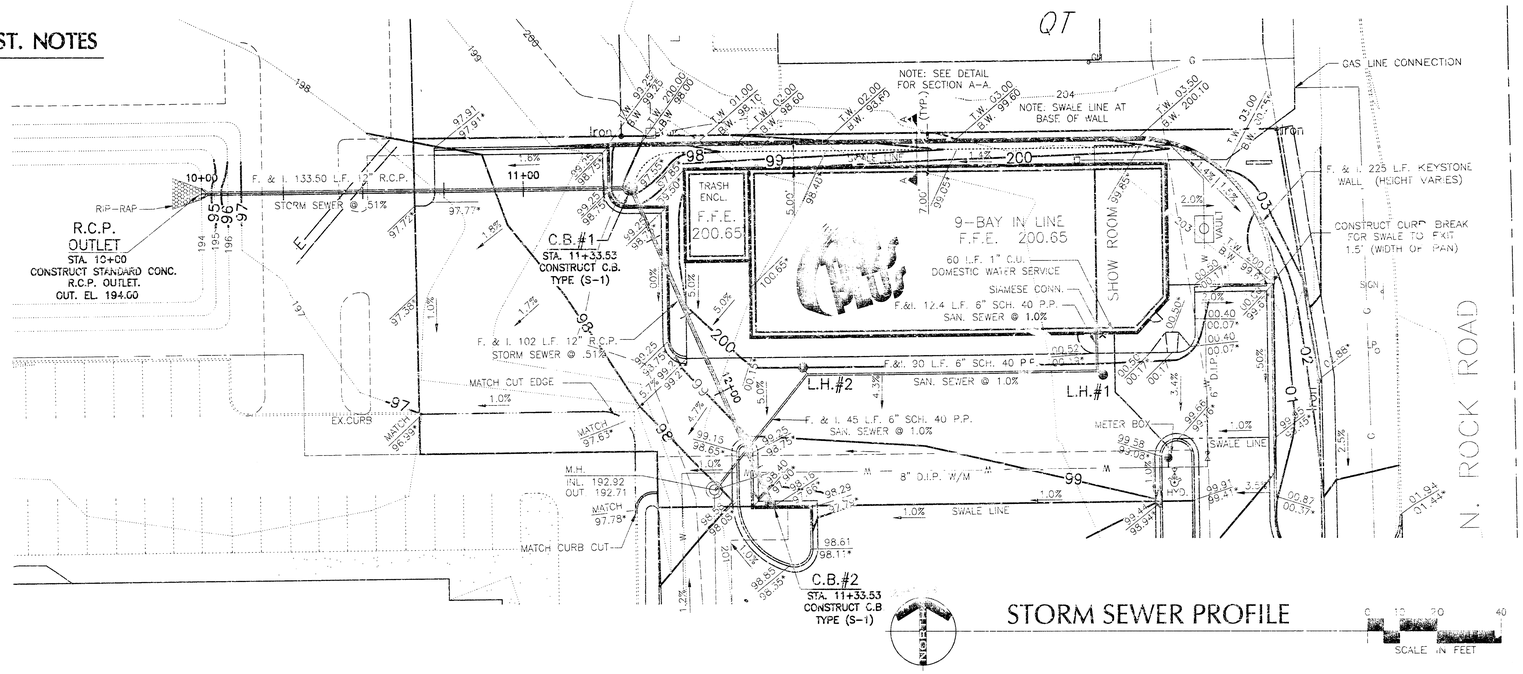
SHEET NUMBER 1
OF THREE SHEETS

STORM SEWER CONST. NOTES

OUTLET APRON
ATTACH CONC. APRON & RIP RAP AS PER DETAIL
OUTLET EL. 94.00 TO POND

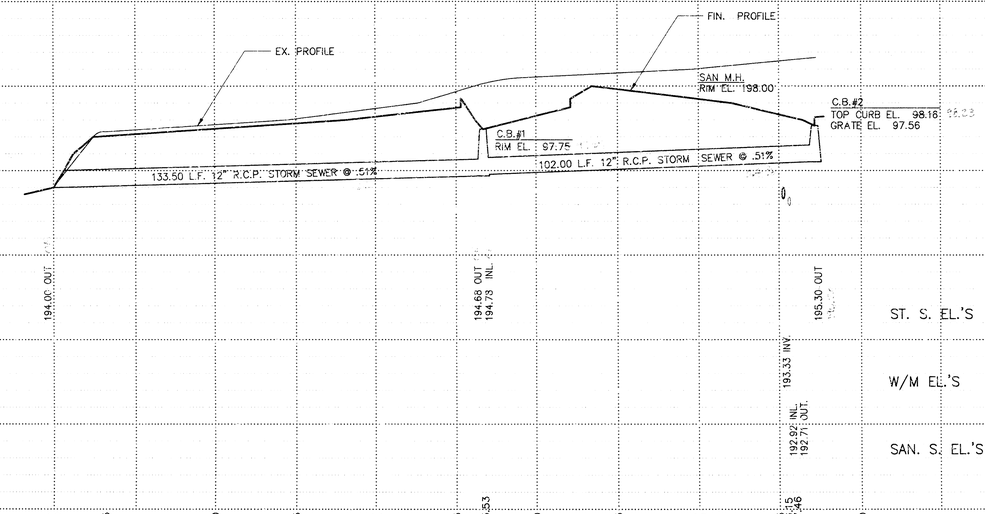
C.B. #1
CONSTRUCT CATCH BASIN TYPE "S-1"
AS PER DETAIL
RIM EL. 97.55
INLET EL. 94.78 FROM C.B. #2
INLET EL. 96.78 FROM TRENCH DRAIN
OUTLET EL. 94.68 TO DRAINAGE DITCH
F. & I. 133.50 L.F. 12" R.C.P. AT .51%
(LENGTH INCLUDES STANDARD APRON)

C.B. #2
CONSTRUCT CATCH BASIN TYPE "A"
AS PER DETAIL
TOP CURB EL. 98.16
GRATE EL. 97.56
OUTLET EL. 95.30 TO C.B.#1
F. & I. 102 L.F. 12" R.C.P. AT .51%



STORM SEWER PROFILE

SCALE IN FEET



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I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF KANSAS.

15024 3/8/00

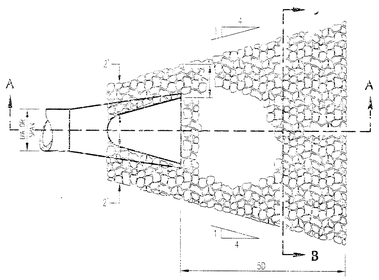
9-BAY IN LINE BUILDING
FACADE TOWER

3745 NORTH ROCK ROAD
WICHITA, KANSAS 67226

STORM SEWER PLAN & PROFILE

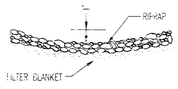
PROJECT NUMBER 6320
COMPUTER FILE 6320STORM.DWG
DATE 03/08/00
DRAWN BY M.S.F.
CHECKED BY
REVISIONS

SHEET NUMBER 2
OF THREE SHEETS

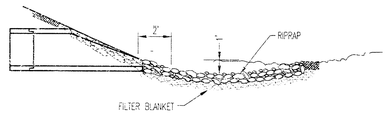


PLAN

FILTER BLANKET	
SIEVE SIZE	% PASSING
6"	
1"	100
1 1/2"	80-100
#4	75-95
#10	50-85
#40	30-65
#100	0-30
#200	0-12



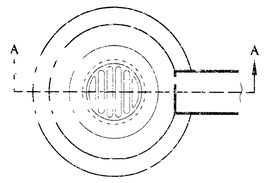
SECTION B - B



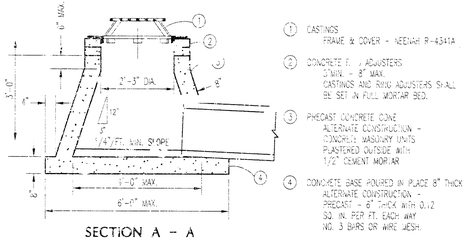
SECTION A - A

RIP RAP AT R.C.P. OUTLETS

NOT TO SCALE



PLAN



SECTION A - A

① CASTINGS
FRAME & COVER - NEENAH R-4341A

② CONCRETE F.. ADJUSTERS
STMIN. - 8" MAX.
CASTINGS AND RING ADJUSTERS SHALL BE SET IN FULL MORTAR BED.

③ PRECAST CONCRETE CONE
ALTERNATE CONSTRUCTION -
CONCRETE MASONRY UNITS
PLASTERED OUTSIDE WITH
1/2" CEMENT MORTAR

④ CONCRETE BASE POURED IN PLACE 8" THICK
ALTERNATE CONSTRUCTION -
PRECAST - 8" THICK WITH 0.12
SQ. IN. PER FT. EACH WAY
NO. 3 BARS OR WIRE MESH

DEPTH OF CATCH BASIN (GRATE EL. TO OUTLET EL.)	INSIDE DIAMETER (AT BOTTOM OF CATCH BASIN)
1.50'	2.25'
1.75'	2.33'
2.00'	2.50'
2.25'	2.63'
2.50'	2.75'
2.75'	2.88'
3.00'	3.00'
3.25'	3.13'
3.50'	3.25'
3.75'	3.38'
4.00'	3.50'
4.25'	3.63'
4.50'	3.75'
4.75'	3.88'
5.00' & DEEPER	4.00'

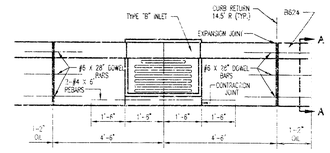
CATCH BASIN S-1

CATCH BASIN DETAIL (TYPE S-1)

NOT TO SCALE

CONSTRUCTION NOTES

1. EXISTING UTILITIES AND SERVICE LOCATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION.
2. ARRANGE TEL., GAS AND ELECTRIC SERVICE CONNECTIONS WITH THE RESPECTIVE SERVICE COMPANIES.
3. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH STATE AND LOCAL STANDARD SPECIFICATIONS FOR CONSTRUCTION.
4. GOOD IMPLEMENTATION, CONSISTENT MONITORING, AND THE MAINTENANCE OF ALL EROSION CONTROL MEASURES ARE CRITICAL TO MINIMIZE EROSION ON THIS CONSTRUCTION SITE.
5. PUBLIC STREET SWEEPING SHOULD BE DONE AT LEAST ONCE A WEEK OR ONCE A DAY IF NEEDED.
6. ALL EROSION AND POLLUTION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.
7. WATER SERVICE SHALL BE INSTALLED WITH 5' TO 6' OF COVER OVER PIPE.
8. CONTRACTOR SHALL COMPLY WITH "BEST MANAGEMENT PRACTICES IN COMPLIANCE" WITH THE CODE OF THE CITY OF WICHITA.
9. SEE NOTE ON SUBGRADE PLASTIC MEMBRANE (VISQUENE) AT TOP OF PAGE.
10. FIRE LINE, WATER MAIN, AND SANITARY SEWER EXTENSION AS PER OCA #607853 AND OCA #607861.



PLAN

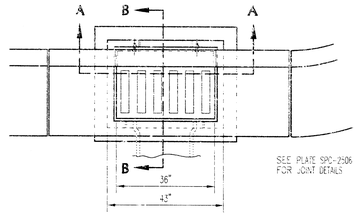


SECTION A - A

2810 CURB & GUTTER

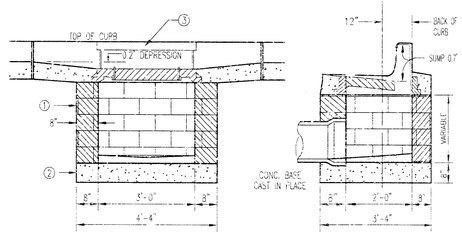
CURB REINFORCEMENT AT CATCH BASIN

NOT TO SCALE



SEE PLATE SPC-2506 FOR JOINT DETAILS

PLAN



SECTION A - A

SECTION B - B

PROFILE

① CONCRETE MASONRY UNITS PLASTERED OUTSIDE WITH CEMENT MORTAR. ALTERNATE CONSTRUCTION: PRECAST CONCRETE WALLS 5" THICK WITH #5 BARS AT 6" EACH WAY.

② POURED IN PLACE CONCRETE. ALTERNATE CONSTRUCTION: PRECAST CONCRETE SLAB 6" THICK WITH #5 BARS AT 6" EACH WAY.

③ CASTING - NEENAH OR EQUAL TYPE B CURB R-3246 WITH VANE GRATE

CATCH BASIN DETAIL (TYPE A)

NOT TO SCALE

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15 FEB 00

9-BAY IN LINE BUILDING
FACADE TOWER
3745 NORTH ROCK ROAD
WICHITA, KANSAS 67226

DETAILS

PROJECT NUMBER	8320
COMPUTER FILE	8320DET.DWG
DATE	03/08/00
DRAWN BY	M.S.R.
CHECKED BY	M.S.R.
REVISIONS	

SHEET NUMBER 3 OF THREE

18 08 05 03