LEARJET, INC.
WICHITA, KANSAS
LEARJET STORM DRAINAGE IMPROVEMENTS

WCEA FILE NO.: 93-324
FEBRUARY 1994

CITY OF WICHITA PRIVATE PROJECT NO. 450PPS

INDEX CODE: 607861

GENERAL NOTES

1. CONTRACTOR IS TO NOTIFY ALL UTILITY OWNERS, INCLUDING LEARJET INC., 5 WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION.
2. ALL UTILITY LINES IN CONFLICT WITH THIS PROJECT ARE TO BE RELOCATED AS NECESSARY BY THE UTILITIES OWNER PRIOR TO CONSTRUCTION. EXISTING UTILITIES AND THIER LOCATION, AS SHOWN ON 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 WHICH DO NOT CONFLICT WITH THE PROPOSED CONSTRUCTION.
3. DUE TO THE DENSITY OF EXISTING UTILITIES, CONTRACTOR IS REQUIRED TO USE EXTREME CAUTION DURING CONSTRUCTION ESPECIALLY WHEN EXCAVATING AND TRENCHING.
4. MAINTAIN SUFFICIENT DRAINAGE THROUGHOUT PROJECT AREA DURING AND AFTER CONSTRUCTION.
5. THIS PROJECT IS TO BE CONSTRUCTED CONCURRENTLY WITH A BUILDING PROJECT. CONTRACTOR IS TO COORDINATE WITH "OWNER" AND BUILDING CONTRACTOR WHEN CONSTRUCTING PORTIONS OF THE STORM SEWER IN THE VICINITY OF THE PROPOSED BUILDING.
6. CONTRACTOR IS TO REMOVE TREES AND SHRUBS WITHIN THE BANKS OF THE PROPOSED OPEN CHANNEL.
7. CONSTRUCTION ACTIVITY ALONG THE OPEN CHANNEL PORTION OF THE PROJECT IS PROHIBITED WITHIN TWO FEET OF THE EXISTING FENCE. WHERE A 4:1 CHANNEL SLOPE CANNOT BE OBTAINED DUE TO THE FENCE, THE CATCH POINT OF THE SLOPE IS TO TERMINATE TWO FEET AWAY FROM THE FENCE.

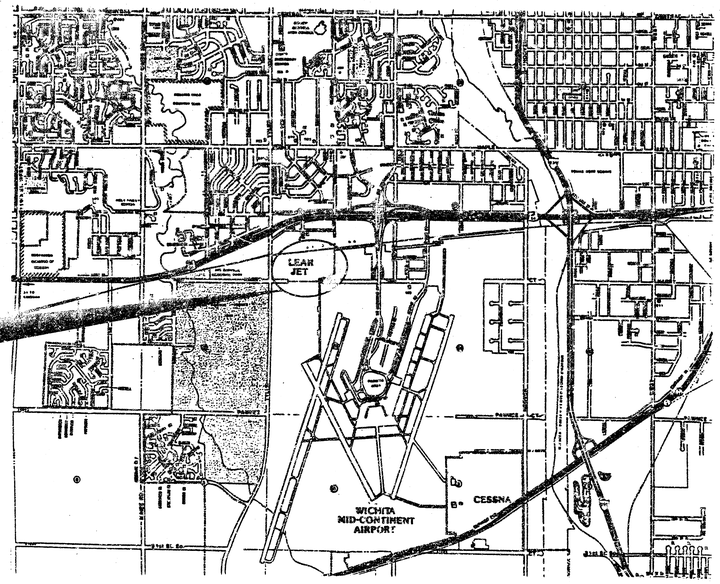
APPROVED AS NOTED
By CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers URH 3/7/94
Driveway Approaches _____
Water Mains _____
Paving _____

Note to Contractor:
The City Engineer of Wichita recommends that inspection and testing for this project is to be provided by a licensed consulting engineering firm under contract with the OWNER. It is also recommended that said inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a licensed professional engineer.

OWNER IS RESPONSIBLE FOR DELIVERING TO THE CITY OF WICHITA ONE SET OF AS BUILT REPRODUCIBLE PLANS

PROJECT LOCATION



LOCATION MAP

LEGEND

- BENCH MARK
- T.B.M.
- SAN SEWER — SAN SEW —
- KGE — KGE —
- WATER — W —
- GAS — GAS —
- TELEPHONE — TELE —
- CULVERT
- REMOVE AND REPLACE
- DRAINAGE CHANNEL
- PROPOSED AREA INLET
- EXIST. LIGHT POLE
- CONSTUCTION LIMITS OF OPEN CHANNEL
- TREE
- REMOVE

INDEX TO DRAWINGS

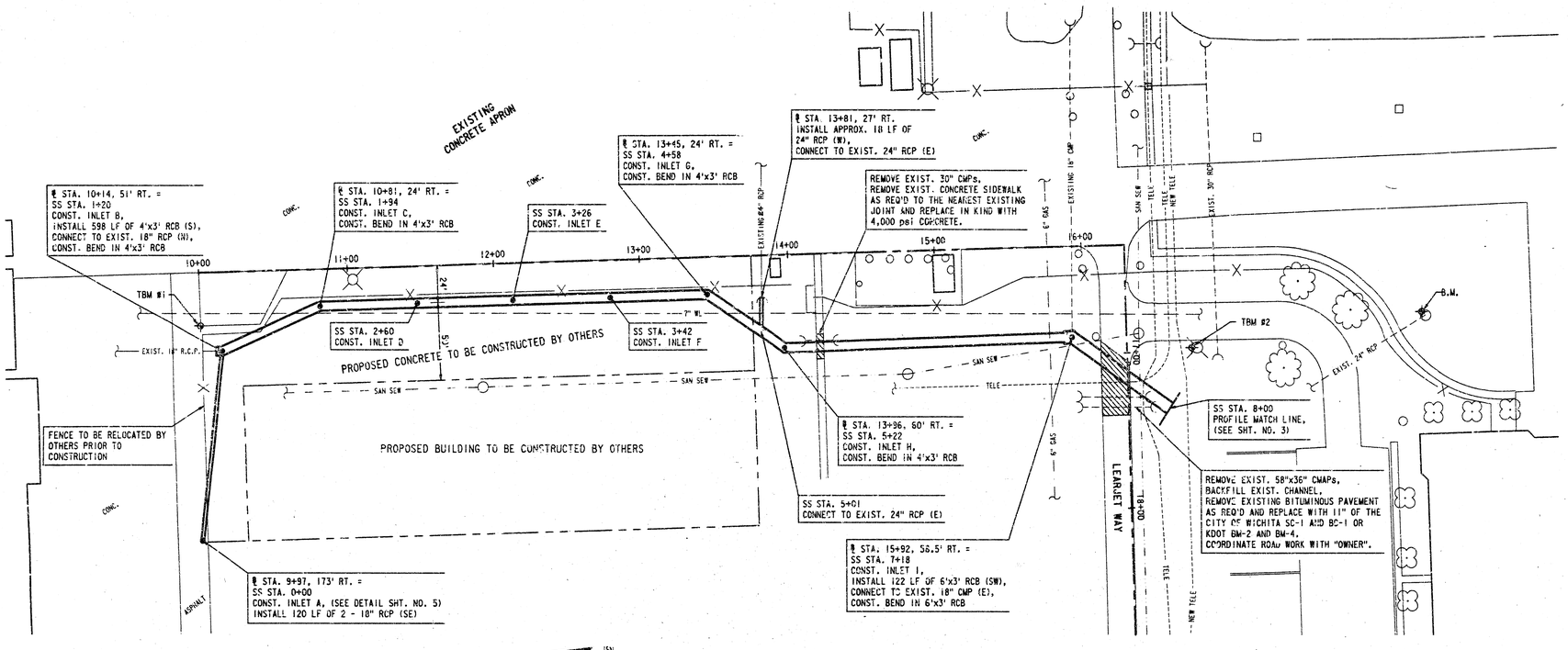
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	PLAN AND PROFILE
3	PLAN AND PROFILE
4	PLAN AND PROFILE
5	DETAILS
6	CROSS SECTIONS

ALLYN MOORE LICENSED 6269 KANSAS REGIONAL ENGINEER

MAR 7 1994

WILSON & COMPANY

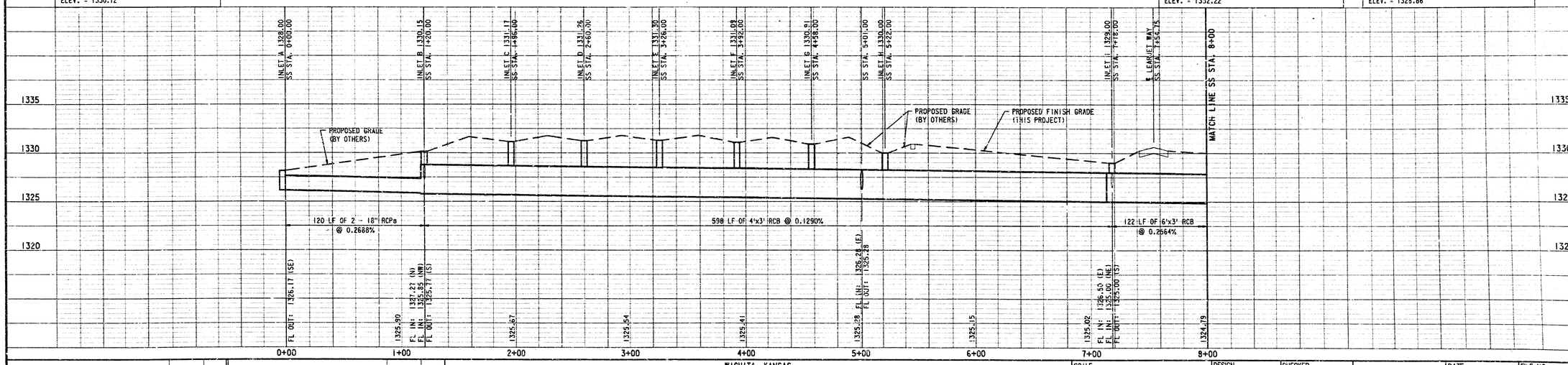
93524/COVER



TBM #1: CHISELED "□" ON CONCRETE APRON.
ELEV. = 1330.72

TBM #2: CHISELED "□" ON CONCRETE FOUNDATION OF LIGHT POLE.
ELEV. = 1332.22

BENCH MARK: CHISELED "□" IN NE CORNER OF CONCRETE POND NEAR AREA INLET BY NE CORNER OF THE "CUSTOMER SERVICE BUILDING."
ELEV. = 1328.86



REVISIONS	DATE	BY

REVISIONS	DATE	BY

WICHITA, KANSAS
LEARJET INC.
LEARJET STORM DRAINAGE IMPROVEMENTS
PLAN AND PROFILE

MAR 7 1994

SCALE	DESIGN	CHECKED
1" = 40' HORIZ. 1" = 5' VERT.	JRA	TAM
	DRAWN	APPROVED
	JJU	TAM

WILSON & COMPANY
WICHITA – KANSAS

DATE	FILE NO.
FEBRUARY 1994	93-324
	SHEET 2 of 6

E:/93324/SHT-2 2-18-94

℄ STA. 21+46, 182' LT.
INSTALL APPROX. 10 LF OF 10" PIPE (W),
CONNECT TO EXIST. 10" PIPE (SE)

REMOVE EXIST. 48" CMPs,
REMOVE EXIST. BITUMINOUS PAVEMENT
AS REQ'D AND REPLACE WITH 11" OF THE
CITY OF WICHITA SC-1 AND 9C-1 OR KDOT
BM-2 AND BM-4,
REPLACE CURB AND GUTTER IN KIND WITH
4,000 psi CONCRETE,
COORDINATE ROAD WORK WITH "OWNER"

EXIST. 24" CMP

℄ STA. 17+56, 70' LT.
INSTALL APPROX. 5 LF OF 24" RCP (NW),
CONNECT TO EXIST. 24" RCP (SE)

℄ STA. 21+55, 181' LT.
CONNECT TO EXIST. 24" CMP (S)

℄ STA. 21+55, 180' LT.
CONST. MANHOLE - A, (SEE DETAIL SHT. NO. 5)
INSTALL APPROX. 120 LF OF 36" RCP (N),
INSTALL APPROX. 7 LF OF 24" RCP (S),
CONNECT TO 10" LINE (E)

BENCH MARK

EXIST. 10" ROOF DRAIN PIPE

SS STA. 9+25
CONNECT EXIST. PARKING LOT
DRAIN LINE (S)

IF EXIST. CURB
INLET IS REMOVED,
REPLACE IN KIND

℄ STA. 17+59.5, 61' LT. =
SS STA. 8+40
CONST. INLET J,
INSTALL 396.5 LF OF 6'x3' RCB (W),
CONNECT TO EXIST. 30" RCP (E),
CONNECT TO EXIST. 24" RCP (SE),
CONST. BEND IN 6'x3' RCP

SS STA. 8+47
CONNECT EXIST. PARKING LOT
DRAIN LINE (S)

SS STA. 10+83
CONNECT EXIST. PARKING LOT
DRAIN LINE (S)

REMOVE EXIST. 48" CMPs,
REMOVE EXIST. BITUMINOUS PAVEMENT
AS REQ'D AND REPLACE WITH 11" OF THE
CITY OF WICHITA SC-1 AND 8C-1 OR KDOT
BM-2 AND BM-4,
COORDINATE ROAD WORK WITH "OWNER"

SS STA. 14+00
PROFILE MATCH LINE,
(SEE SHT. NO. 4)

℄ STA. 17+03, 61' LT.
INSTALL APPROX. 52 LF OF
30" RCP (W),
CONNECT TO EXIST. 30" RCP (E)

SS STA. 10+61.5
CONST. INLET K

EXIST. 30" RCP

TBM #2

SS STA. 10+05
CONNECT EXIST. PARKING LOT
DRAIN LINE (S)

LEARJET WAY

SS STA. 8+00
PROFILE MATCH LINE,
(SEE SHT. NO. 2)

℄ STA. 21+55, 60' LT. =
SS STA. 12+36.5
CONST. INLET L,
INSTALL 387.5 LF OF 8'x3' RCB (W),
CONNECT TO 36" RCP (S)

TBM #3

EXISTING 18" CMP

FH

3 LINES

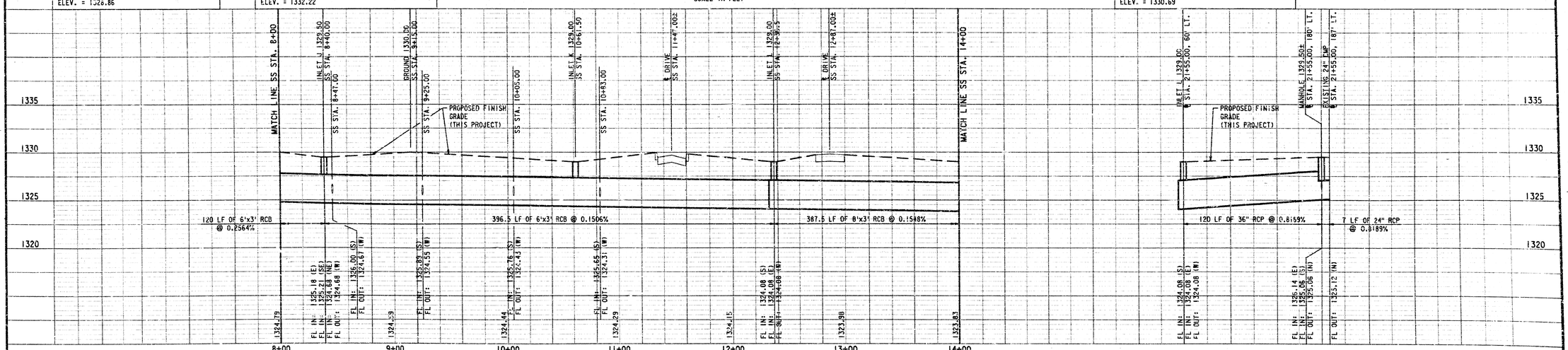
2 LINES

0 40 80 120
SCALE IN FEET

BENCH MARK: CHISELED "□" IN NE CORNER OF CONCRETE POND NEAR AREA INLET BY NE CORNER OF THE "CUSTOMER SERVICE BUILDING."
ELEV. = 1328.86

TBM #2: CHISELED "□" ON CONCRETE FOUNDATION OF LIGHT POLE.
ELEV. = 1332.22

TBM #3: CHISELED "□" ON CURB OF PARKING LOT BY THE "BUSINESS SERVICE BUILDING."
ELEV. = 1330.69



REVISIONS	DATE	BY	REVISIONS	DATE	BY

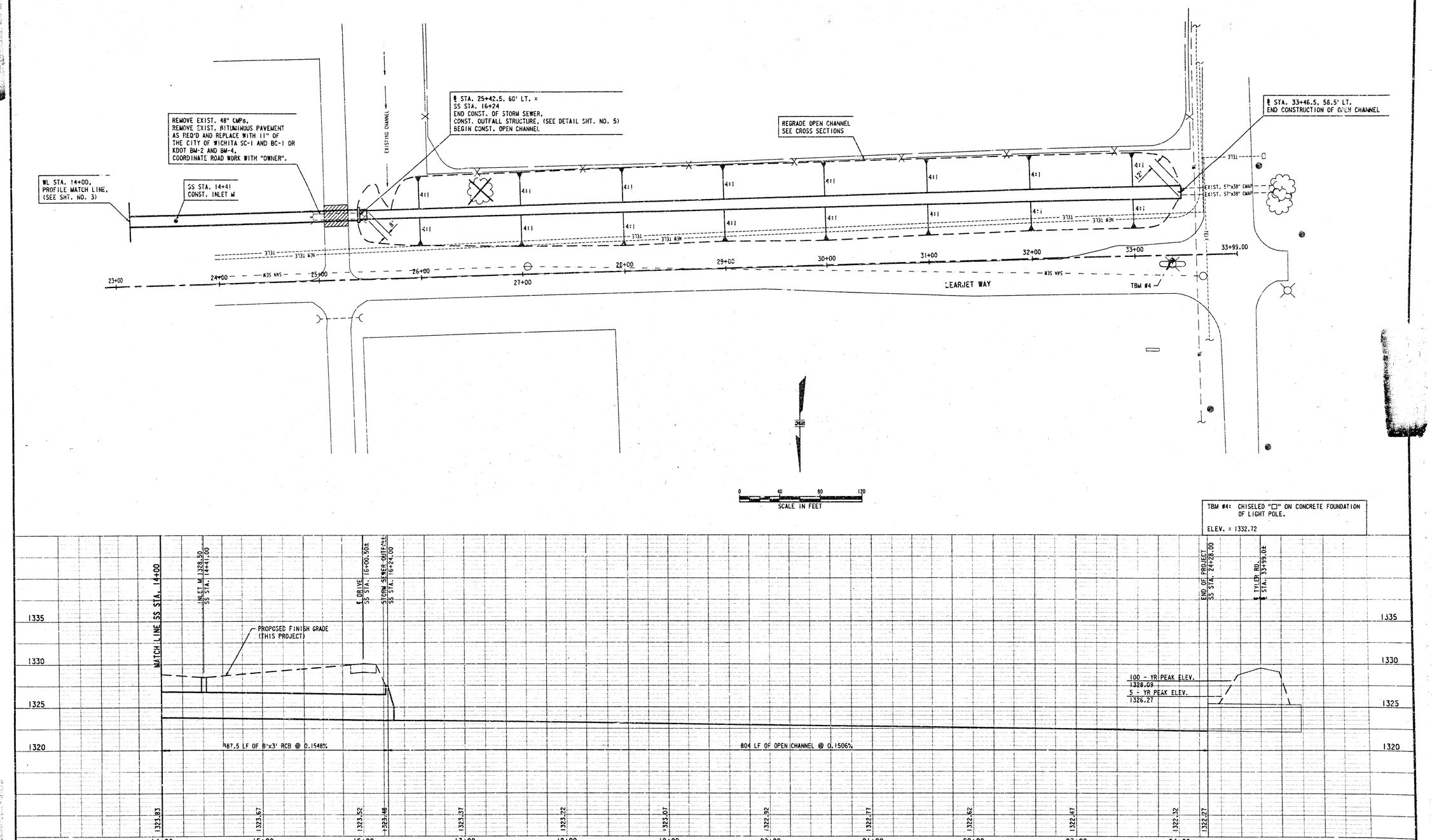
WICHITA, KANSAS
LEARJET INC.
LEARJET STORM DRAINAGE IMPROVEMENTS
PLAN AND PROFILE

MAR 7 1994

SCALE	DESIGN	CHECKED	DATE	FILE NO.
1" = 40' HORIZ. 1" = 5' VERT.	JRA	TAM	FEBRUARY 1994	93-324
	DRAWN JJU	APPROVED TAM		SHEET 3 of 6

WILSON & COMPANY
WICHITA - KANSAS

E:/93324/SHT-3 2-18-94



REVISIONS	DATE	BY	REVISIONS	DATE	BY

WICHITA, KANSAS
LEARJET INC.
LEARJET STORM DRAINAGE IMPROVEMENTS
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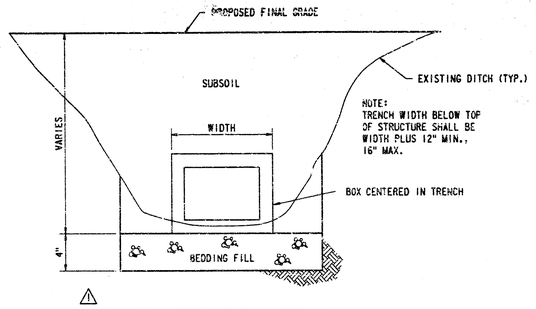
WILSON & COMPANY
WICHITA - KANSAS

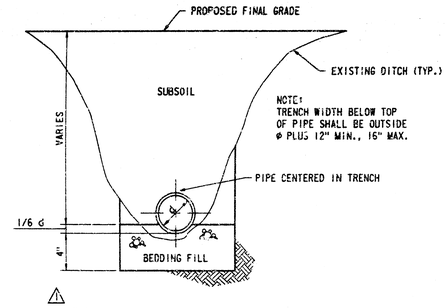
E:/93324/SHT-4 2-18-94

INLET SCHEDULE

INLET	"NEENAH" EQUIVALENT MANUFACTURE	AREA OF OPENING (SQ. FT.)	CLEAR OPENING DIMENSIONS	MATERIAL	PROOF LOAD (LBS.)	LOCKING DEVICE ⚠
A	R-6673-L	3.7	26"x50"	GRAY IRON	40,000	NO
B	R-2565-H	1.2	27" ϕ	DUCTILE IRON	200,000	TYPE E: S.S. HEX BOLT
C	R-2565-J	1.8	30" ϕ	DUCTILE IRON	200,000	TYPE E: S.S. HEX BOLT
D	R-2565-J	1.8	30" ϕ	DUCTILE IRON	200,000	TYPE E: S.S. HEX BOLT
E	R-2565-H	1.2	27" ϕ	DUCTILE IRON	200,000	TYPE E: S.S. HEX BOLT
F	R-2565-H	1.2	27" ϕ	DUCTILE IRON	200,000	TYPE E: S.S. HEX BOLT
G	R-2565-H	1.2	27" ϕ	DUCTILE IRON	200,000	TYPE E: S.S. HEX BOLT
H	R-2565-A	0.9	18" ϕ	GRAY IRON	169,100	TYPE E: S.S. HEX BOLT
I	R-2565-G	1.7	24" ϕ	GRAY IRON	145,900	TYPE E: S.S. HEX BOLT
J	R-2534	0.9	23 3/4" ϕ	GRAY IRON	40,000	TYPE E: S.S. HEX BOLT
K	R-2534	0.9	23 3/4" ϕ	GRAY IRON	40,000	TYPE E: S.S. HEX BOLT
L	R-2534	0.9	23 3/4" ϕ	GRAY IRON	40,000	TYPE E: S.S. HEX BOLT
M	R-2534	0.9	23 3/4" ϕ	GRAY IRON	40,000	TYPE E: S.S. HEX BOLT



⚠ BOX SECTION TRENCH DETAIL
NOT TO SCALE



⚠ PIPE SECTION TRENCH DETAIL
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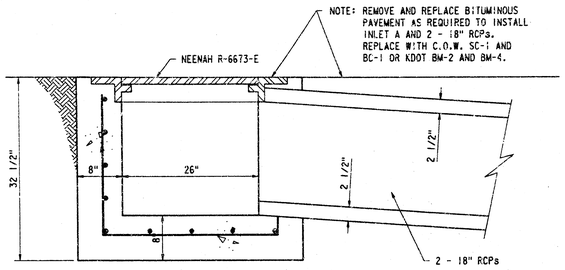

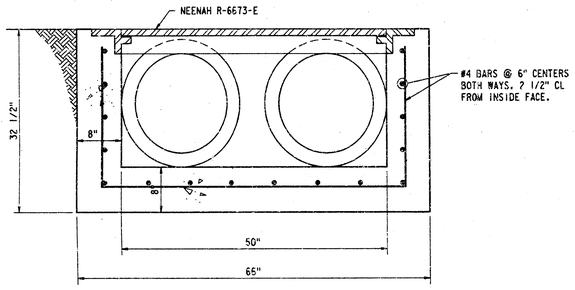

INLET A DETAIL
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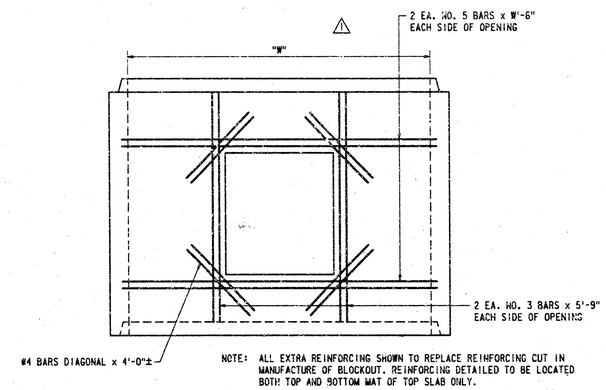

INLET OPENING FOR PRECAST BOX SECTION
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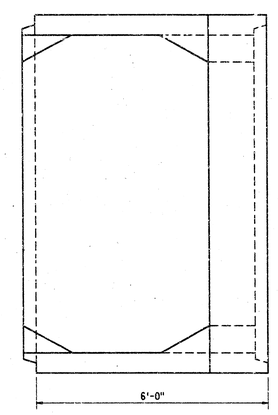
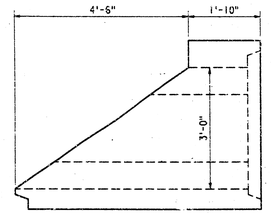
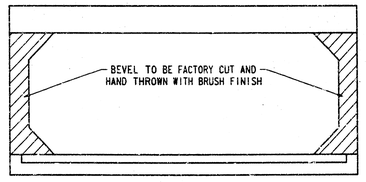


PLAN VIEW

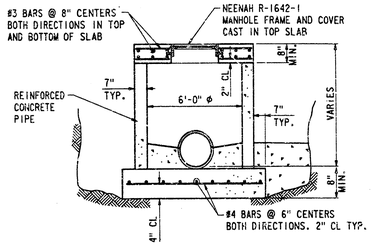


ELEVATION



END VIEW

PRECAST OUTFALL STRUCTURE
NOT TO SCALE



MANHOLE DETAIL
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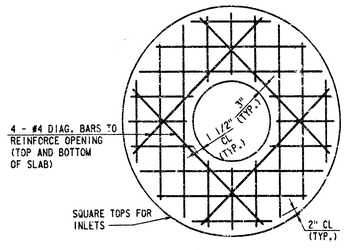

MANHOLE AND INLET TOP
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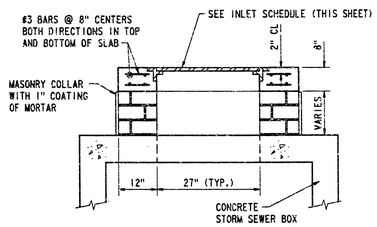
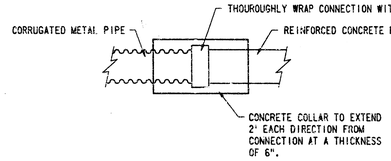


NOTE: REFER TO THE CITY OF WICHITA'S SPECIFICATIONS PERTAINING TO MORTAR AND BRICK MATERIALS AND INSTALLATION.

INLET RISER DETAIL
NOT TO SCALE



CMP TO RCP DETAIL
NOT TO SCALE

MAR 7 1994

WICHITA, KANSAS
LEARJET INC.

LEARJET STORM DRAINAGE IMP.

DETAILS

REVISION	DATE	BY
⚠ DETAIL REVISIONS	2-22-94	JRA

DESIGN: JRA | DRAWN: JJU

WILSON & COMPANY
Engineers & Architects
Wichita, Kansas

DATE: FEBRUARY 1994
FILE NO. 93-324
SHEET NO. 5 OF 6

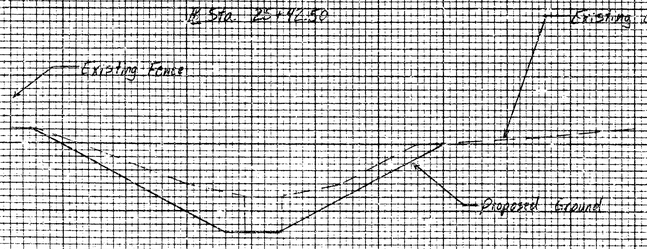
E:/93324/DETAILS.DWG

E:/93324/DETAILS 2-16-94

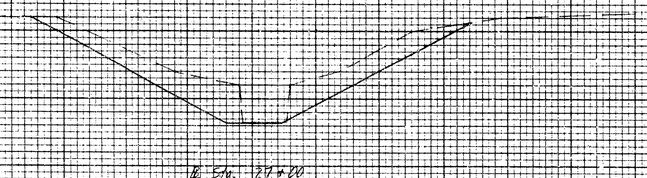
FINAL SURVEY — SURVEYED / PLOTTED / NOTE BOOK / TEMPLATE / AREAS / AREAS CHECKED / BY / DATE

ORIGINAL SURVEY — SURVEYED / PLOTTED / NOTE BOOK / TEMPLATE / AREAS / AREAS CHECKED / BY / DATE

℄ Sta. 25+42.50



℄ Sta. 26+00



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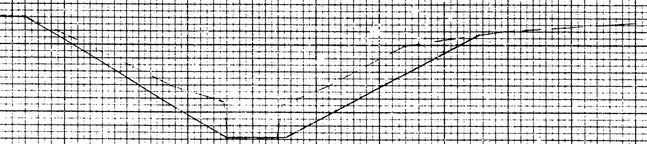

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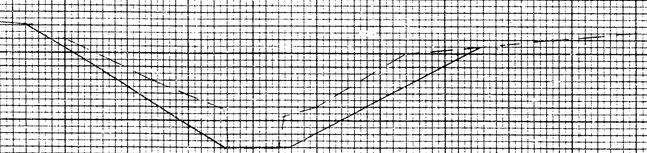
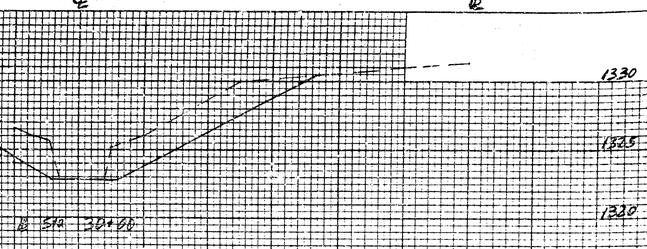


℄ Sta. 29+00

℄ Sta. 30+00



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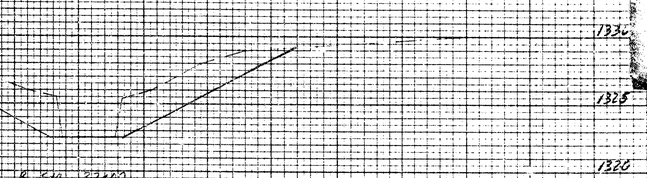

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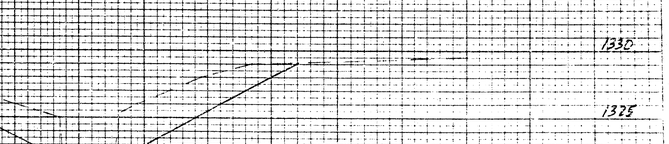

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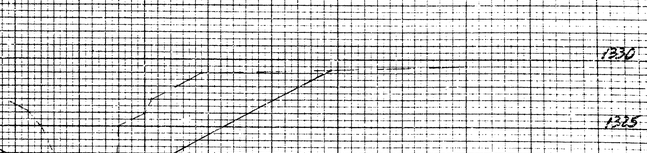

℄ Sta. 33+46.50

MAR 7 1996

HIGHWAY FEDERAL AID SHEET
PLATE 3-FULL CROSS SECTION-FULL LINE
NATIONAL PRINTFAST
PRINTED IN U.S.A.

FILE No. 93-324 LEARJET, INC. WICHITA, KANSAS LEARJET STORM DRAINAGE IMPROVEMENTS 1"= 10' Horizontal 12-1-95