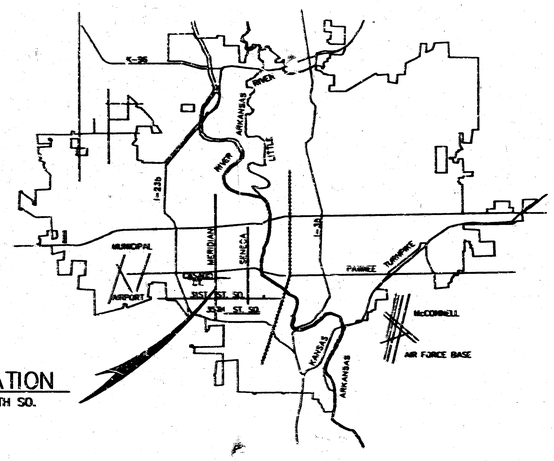
CONSTRUCTION PLANS FOR
DRAINAGE SYSTEM IMPROVEMENTS
MERIDIAN, 27TH SO. TO 35TH SO.

THE CITY OF WICHITA,
SEDGWICK COUNTY, KANSAS
MICHAEL E. LINDEBAK, P.E.—CITY ENGINEER

AutoCAD Drawing File Name 9324E-1.DWG
Archive Computer Disk # ACAD-DWG
Plot Scale 1=300

SYMBOL LEGEND

WATER METER	TREE
GAS METER	WATER LINE
WATER VALVE	GAS LINE
POWER POLE	SANITARY SEWER
FIRE HYDRANT	ELECTRIC
	GAS SERVICE



PROJECT LOCATION
MERIDIAN, 27TH SO. TO 35TH SO.

DRAWING INDEX

SHEET	TITLE
1.	MAP AND INDEX
2.	PLAN & PROFILE MERIDIAN DITCH, 27TH TO 35TH SO. STA. 0+00 TO STA. 10+50.67
3.	PLAN & PROFILE MERIDIAN DITCH, 27TH TO 35TH SO. FROM STA. 10+50.67 TO STA. 21+44.93
4.	PLAN AND PROFILE MERIDIAN DITCH, 27TH TO 35TH SO. FROM STA. 21+44.93 TO STA. 32+12.38
5.	PLAN & PROFILE MERIDIAN DITCH, 27TH TO 35TH SO. FROM STA. 32+1238 TO STA. 43+58.33
6.	PLAN & PROFILE MERIDIAN DITCH, 27TH TO 35TH SO. FROM STA. 43+58.33 TO STA. 53+45.73
7.	DETAILS MERIDIAN DITCH, 27TH TO 35TH SO.

BOOKED 7-15-97 MCG D-349

Robert A. Castle 1/18/95

BENCH MARKS

B.M. CITY BRASS DISK AT NORTHEAST CORNER INTERSETION OF 27TH STREET SOUTH AND MERIDIAN.
ELEVATION 99.97

B.M. BRASS DISC ON GUARDWALL AT I-235 INTERSECTION
ELEVATION 1267.55

B.M. BRASS DISK ON GUARDWALL NORTH END OF THE WEST SIDE AT I-235 INTERSECTION.
ELEVATION 1281.89

PHASE IV
CITY OF WICHITA PROJECT NO. 468-82368
INDEX CODE – 660308

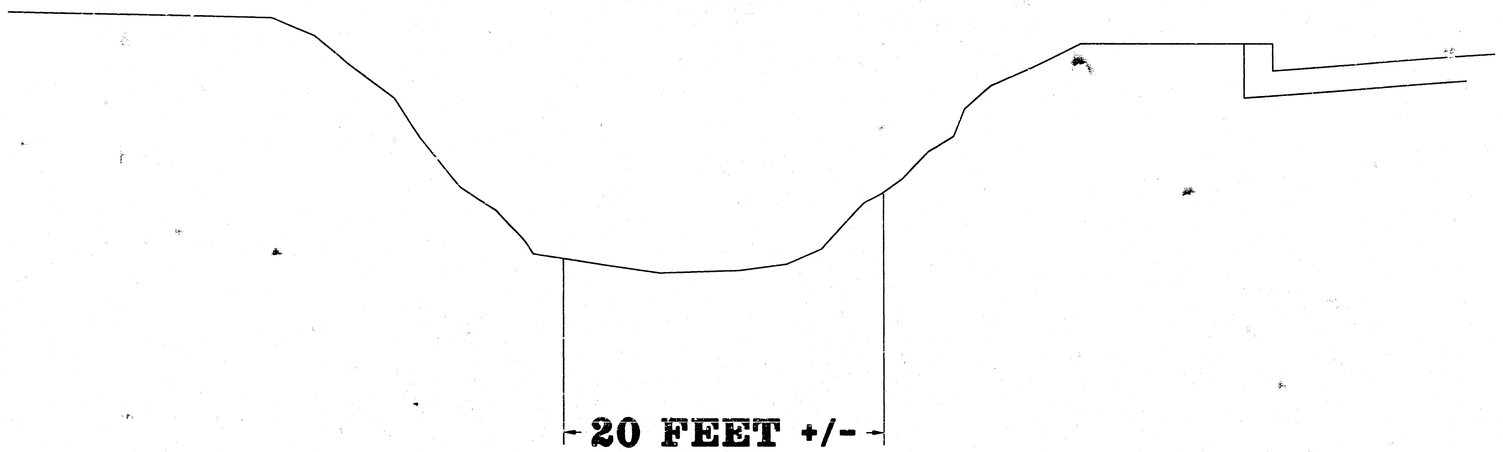
APRIL, 1994

PLANS PREPARED BY
CASTLE & ASSOCIATES
WICHITA, KANSAS

CITY OF WICHITA – PROJ. NO. 468-82368		
CITY OF WICHITA DRAINAGE IMPROVEMENTS		
MAP AND INDEX		
CASTLE & ASSOCIATES ENGINEERS WICHITA, KANSAS	DSG DR CH APP	DWG FILE NO 9324B – D – 70,036
DATE APRIL 1994		SHEET NO 1 OF 7 REV.

MERIDIAN DITCH- 27TH STREET SOUTH TO 35TH STREET SOUTH

EXISTING TYPICAL SECTION



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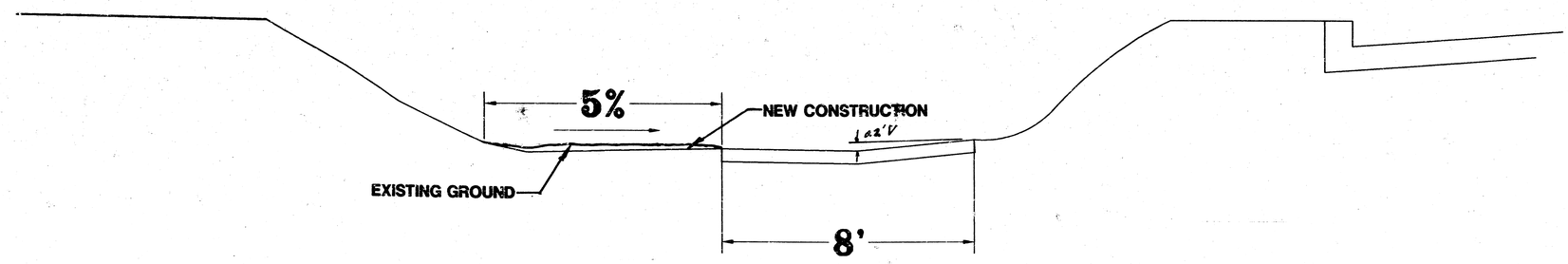

CONCRETE BOTTOM (V-SHAPED)

CITY OF WICHITA – PROJ. NO. 468-82368
CITY OF WICHITA DRAINAGE IMPROVEMENTS- MERIDIAN- 27TH TO 35TH SO.
TYPICAL DETAIL SECTION
SHEET 1A OF 7

AutoCAD Drawing File Name 9234-4 .DWG
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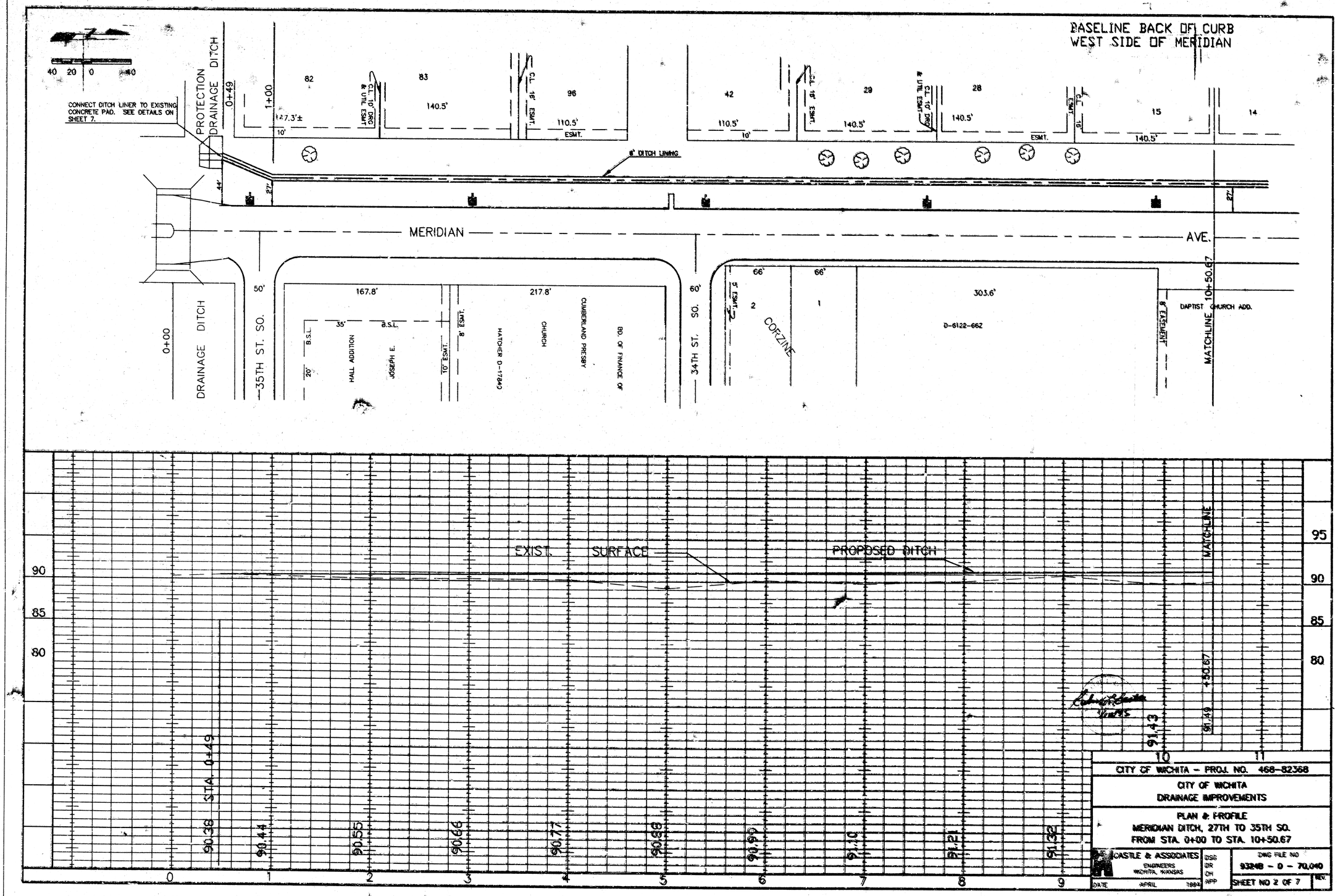

CITY OF WICHITA – PROJ. NO. 468-82368

CITY OF WICHITA
DRAINAGE IMPROVEMENTS

PLAN & PROFILE
MERIDIAN DITCH, 27TH TO 35TH SO.
FROM STA. 0+00 TO STA. 10+50.67

CASTLE & ASSOCIATES
ENGINEERS
WICHITA, KANSAS

DSG
DR
CH
APP

DWG FILE NO
93348 – D – 70,040

DATE APRIL 1984

SHEET NO 2 OF 7

REV.

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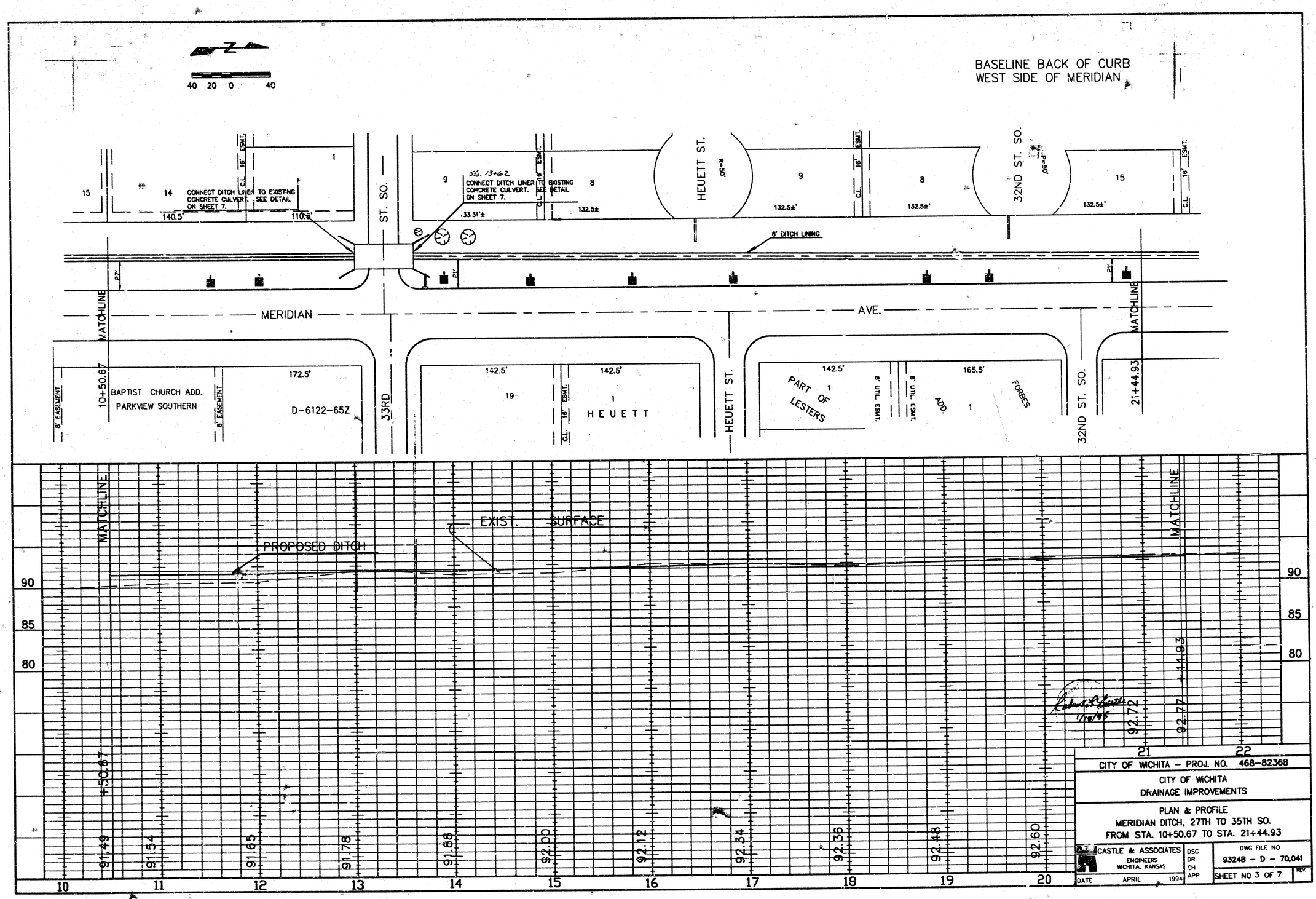

CITY OF WICHITA – PROJ. NO. 468-82368

CITY OF WICHITA
DRAINAGE IMPROVEMENTS

PLAN & PROFILE
MERIDIAN DITCH, 27TH TO 35TH SO.
FROM STA. 10+50.67 TO STA. 21+44.93

CASTLE & ASSOCIATES
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DWG FILE NO
9324B – D – 70,041

DATE APRIL 1994

SHEET NO 3 OF 7

REV.

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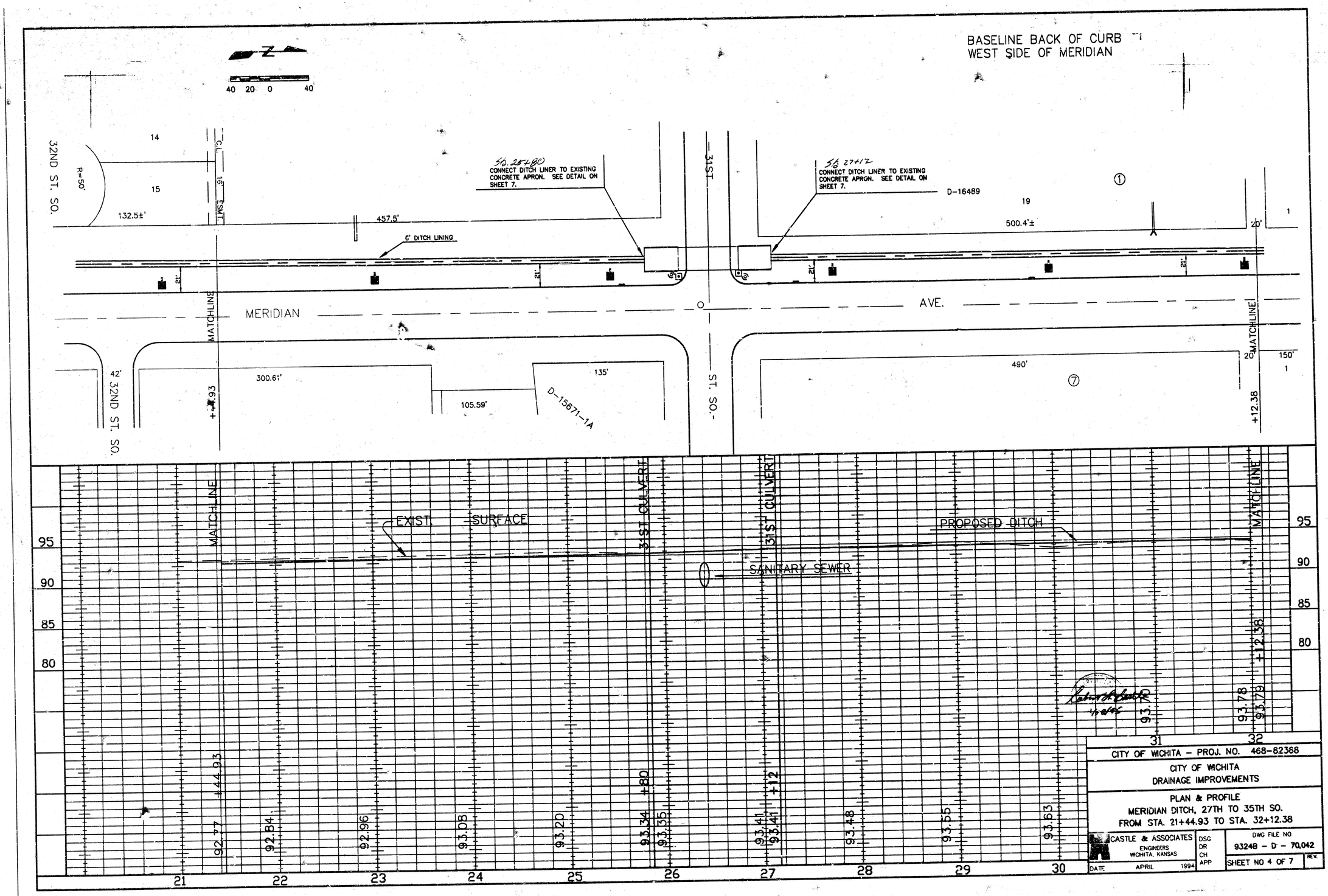

CITY OF WICHITA – PROJ. NO. 468-62368

CITY OF WICHITA
DRAINAGE IMPROVEMENTS

PLAN & PROFILE
MERIDIAN DITCH, 27TH TO 35TH SO.
FROM STA. 21+44.93 TO STA. 32+12.38

CASTLE & ASSOCIATES
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WICHITA, KANSAS

DSG
DR
CH
APP

DWG FILE NO
93248 – D – 70,042

DATE APRIL 1994

SHEET NO 4 OF 7

REV.

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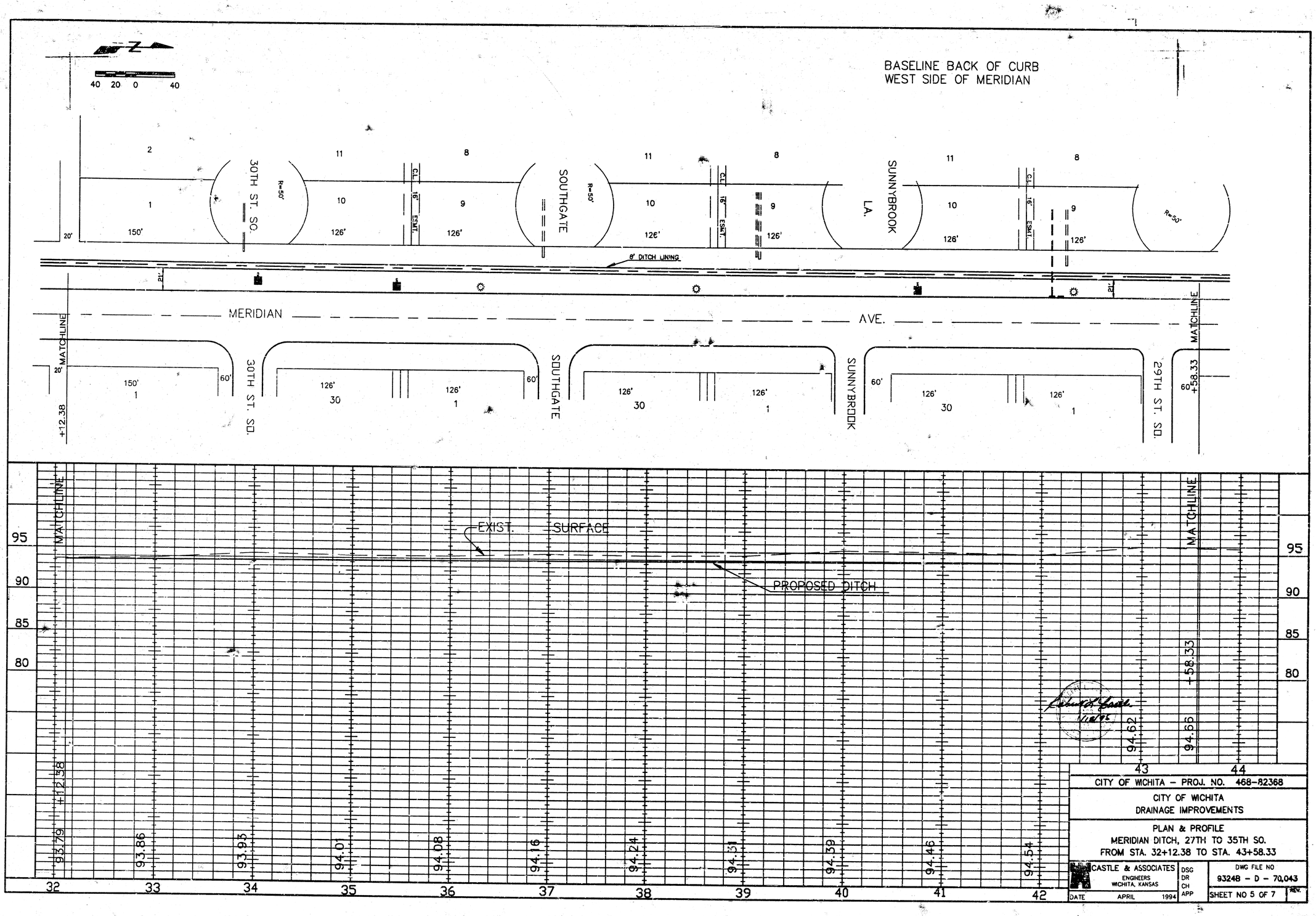

CITY OF WICHITA – PROJ. NO. 468-82368

CITY OF WICHITA
DRAINAGE IMPROVEMENTS

PLAN & PROFILE
MERIDIAN DITCH, 27TH TO 35TH SO.
FROM STA. 32+12.38 TO STA. 43+58.33

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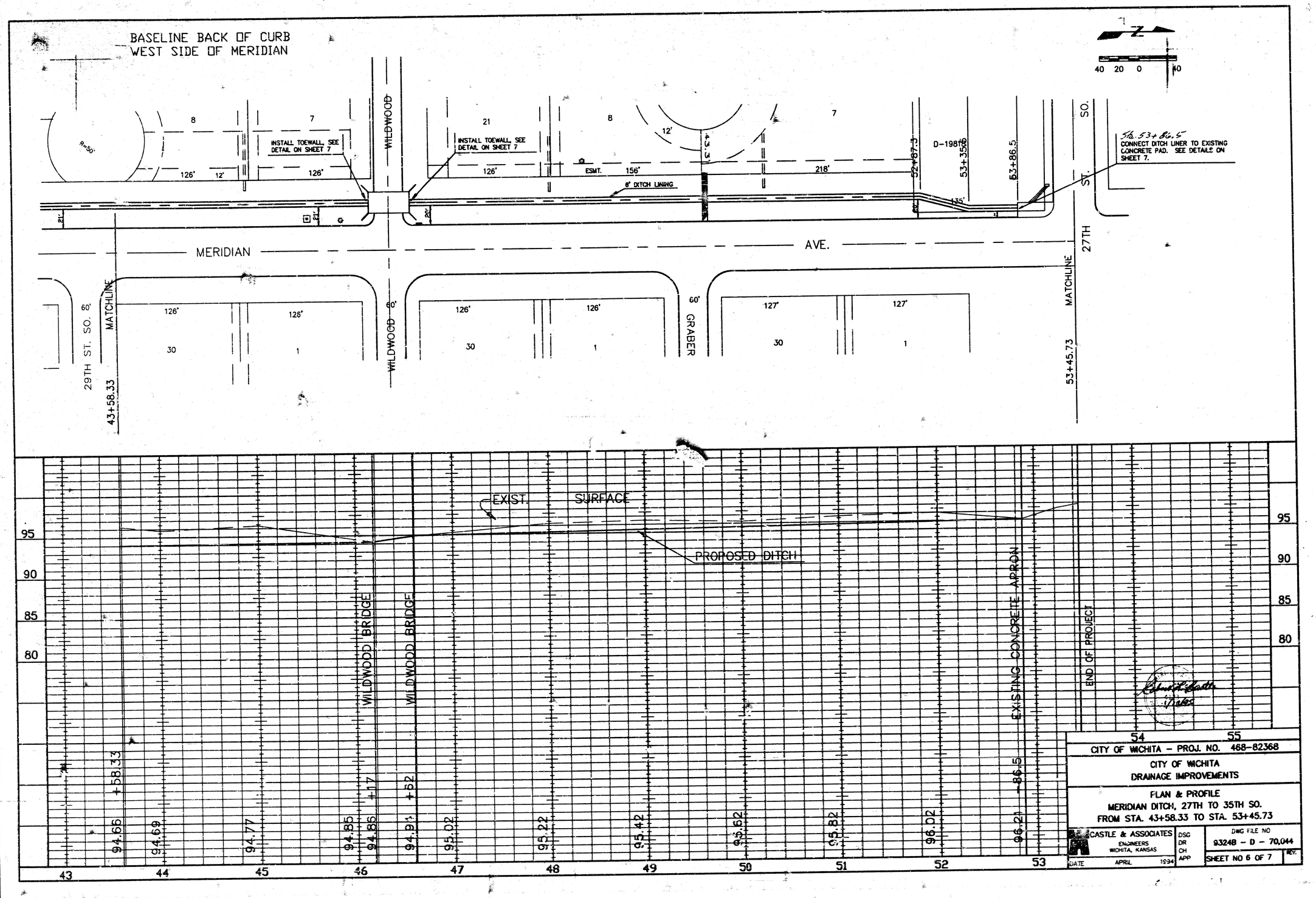
DWG FILE NO
93248 – D – 70,043

DATE APRIL 1994

SHEET NO 5 OF 7

REV.



CITY OF WICHITA – PROJ. NO. 468-82368

CITY OF WICHITA
DRAINAGE IMPROVEMENTS

PLAN & PROFILE
MERIDIAN DITCH, 27TH TO 35TH SO.
FROM STA. 43+58.33 TO STA. 53+45.73

CASTLE & ASSOCIATES
ENGINEERS
WICHITA, KANSAS

DATE APRIL 1994

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DWG FILE NO
9324B – D – 70,044

SHEET NO 6 OF 7

REV.

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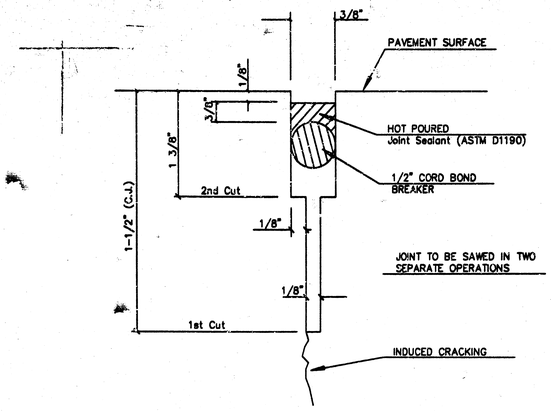
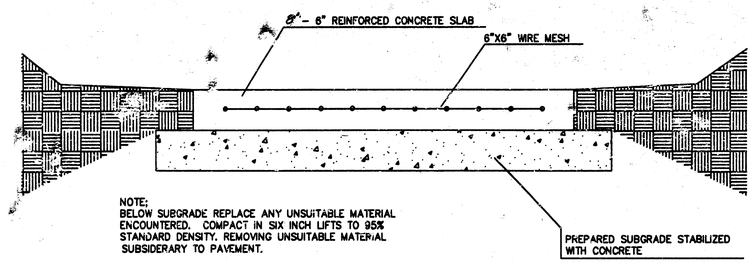
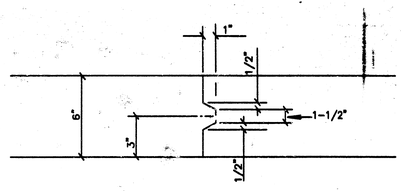


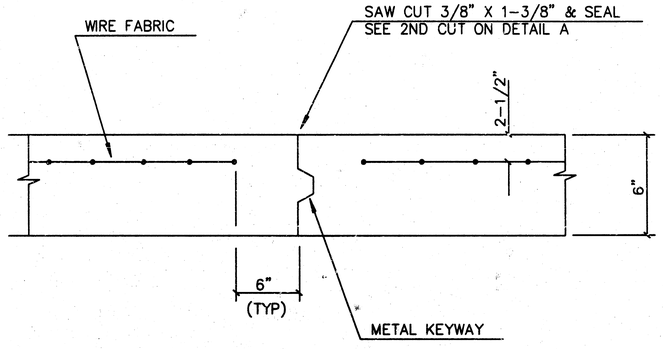
DETAIL A

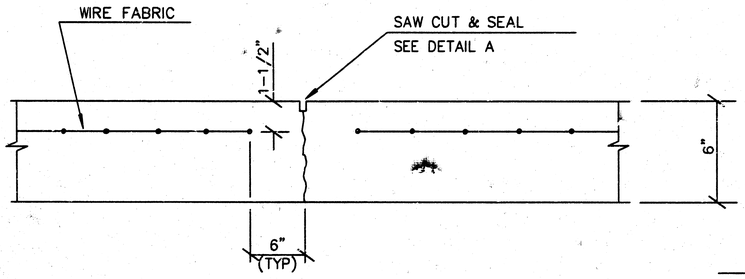


TYPICAL CROSS SECTION OF CONCRETE DITCH

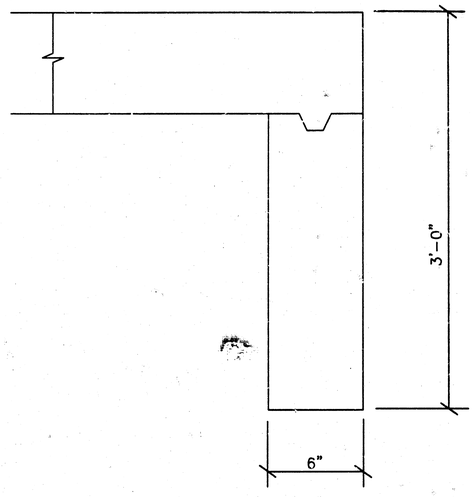


KEYWAY DETAIL



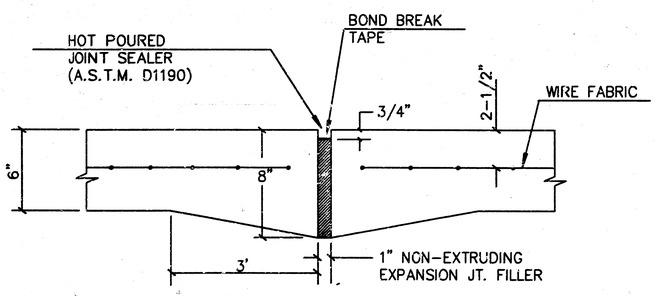


OPTIONAL CONTRACTION CONSTRUCTION JOINT (C.J.)

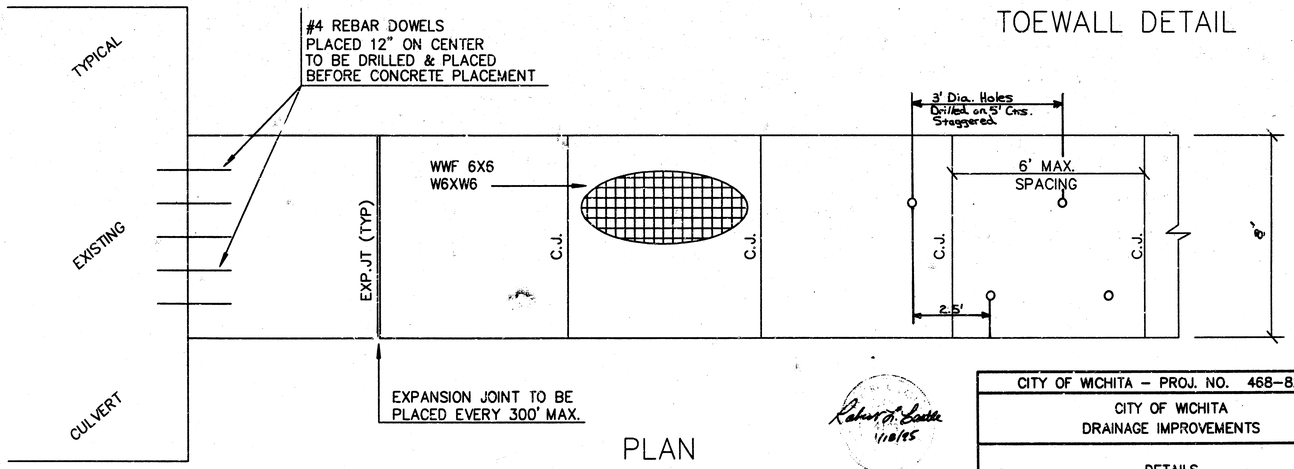


TOEWALL DETAIL

CONTRACTION JOINT DETAIL (C.J.)



EXPANSION JOINT



PLAN

REINFORCED CONCRETE DITCH
LINING

Robert D. Castle
1/10/95

CITY OF WICHITA – PROJ. NO. 468-82368

CITY OF WICHITA
DRAINAGE IMPROVEMENTS

DETAILS
MERIDIAN DITCH, 27TH TO 35TH SO.

CASTLE & ASSOCIATES
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DWG FILE NO
93248 – D – 70,045

DATE APRIL 1994

SHEET NO. 7 OF 7 SHTS REV.

33-418