

MAP OF THE
CITY OF SKYLINE
BLUE EARTH COUNTY, MN

CITY OF SKYLINE

CONSTRUCTION PLANS FOR

1998 WATERMAIN IMPROVEMENTS
PHASES I-IV

SKYLINE, MN

MAY 18, 1998

SHEET INDEX

SHEET NO.	TITLE
1	TITLE SHEET
2	DETAILS
3	PHASING
4	SKYLINE DRIVE STA 0+00 TO 15+00
5	SKYLINE DRIVE STA 15+00 TO 22+15
6	SKYLINE DRIVE (NORTH OF PARK) STA 30+00 TO 36+39

RESOURCE LIST

CITY OF NICOLLET

City Hall
P.O. BOX 424
MANKATO, MN 56002-0424
507-345-5390

City Clerk:
JERRY BULIE

Mayor:
WILLARD VETTER

City Council Members:
BRYAN COMSTOCK
HAL JOHNSON
ANN FISCHER
ALAN HONERMANN

City Engineer:
(Consultant)
Mark D. Kasma, P.E.
Bolton & Menk, Inc.
515 North Riverfront Drive
Mankato, MN 56001
507-625-4171, FAX: 507-625-4177

UTILITIES

GAS
Minnegasco
2400 N. Riverfront Drive
Mankato, MN 56001
507-685-5611, FAX: 507-387-1997

TELEPHONE
MCTC
221 EAST HICKORY STREET
MANKATO, MN 56001
507-387-1151

CABLE
BRESNAN COMMUNICATIONS
1724 MADISON AVENUE
MANKATO, MN 56001
507-388-9311

ELECTRIC
Northern States Power
PO Box 1090
Mankato, MN 56001
507-625-5621, FAX: 507-387-9604

NOTE:
EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS
BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR
SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING
CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY
GOPHER STATE ONE-CALL 1-800-252-1166 OR 612-454-0002.

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
PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Mark D. Kasma REG. NO. 21282 DATE: 5/22/98
REVIEWED & APPROVED *Willard Vetter* DATE: May 22, 1998
MAYOR

RECORD DRAWING INFORMATION	CITY OF SKYLINE, MN	SHEET
OBSERVER:	1998 WATERMAIN IMPROVEMENTS PHASES I-IV	1
CONTRACTOR:	TITLE SHEET	OF
DATE:		6

EXISTING

- COUNTY LINE
- CITY LIMITS
- SECTION LINE
- PRESENT RIGHT OF WAY LINE
- PROPERTY/LOTLINE
- PERPETUAL EASEMENT
- ZONING SETBACK LINE
- ACCESS CONTROL LINE
- RAILROAD RIGHT OF WAY LINE
- RAILROAD

- WATER EDGE
- WATER CENTERLINE
- HIGHWATER LINE
- SWALE CENTERLINE
- WETLAND BOUNDARY
- WETLAND/MARSH
- CURB & GUTTER
- CONCRETE EDGE
- BITUMINOUS EDGE
- GRAVEL EDGE

- FENCE
- CULVERT
- DECIDUOUS TREE
- CONIFER TREE
- HEDGE
- TREE LINE
- TRAFFIC SIGN
- MANHOLE
- CATCH BASIN
- SANITARY SEWER
- SANITARY FORCEMAIN
- STORM SEWER
- TILE LINE
- WATERMAIN

- HYDRANT
- VALVE
- CURB STOP
- GAS
- POWER POLE
- LIGHT POLE
- PAD MOUNTED TRANSFORMER
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- UTILITY PEDESTAL/CABINET
- UNDERGROUND TELEPHONE
- UNDERGROUND TV CABLE
- BENCHMARK
- SOIL BORING

PROPOSED

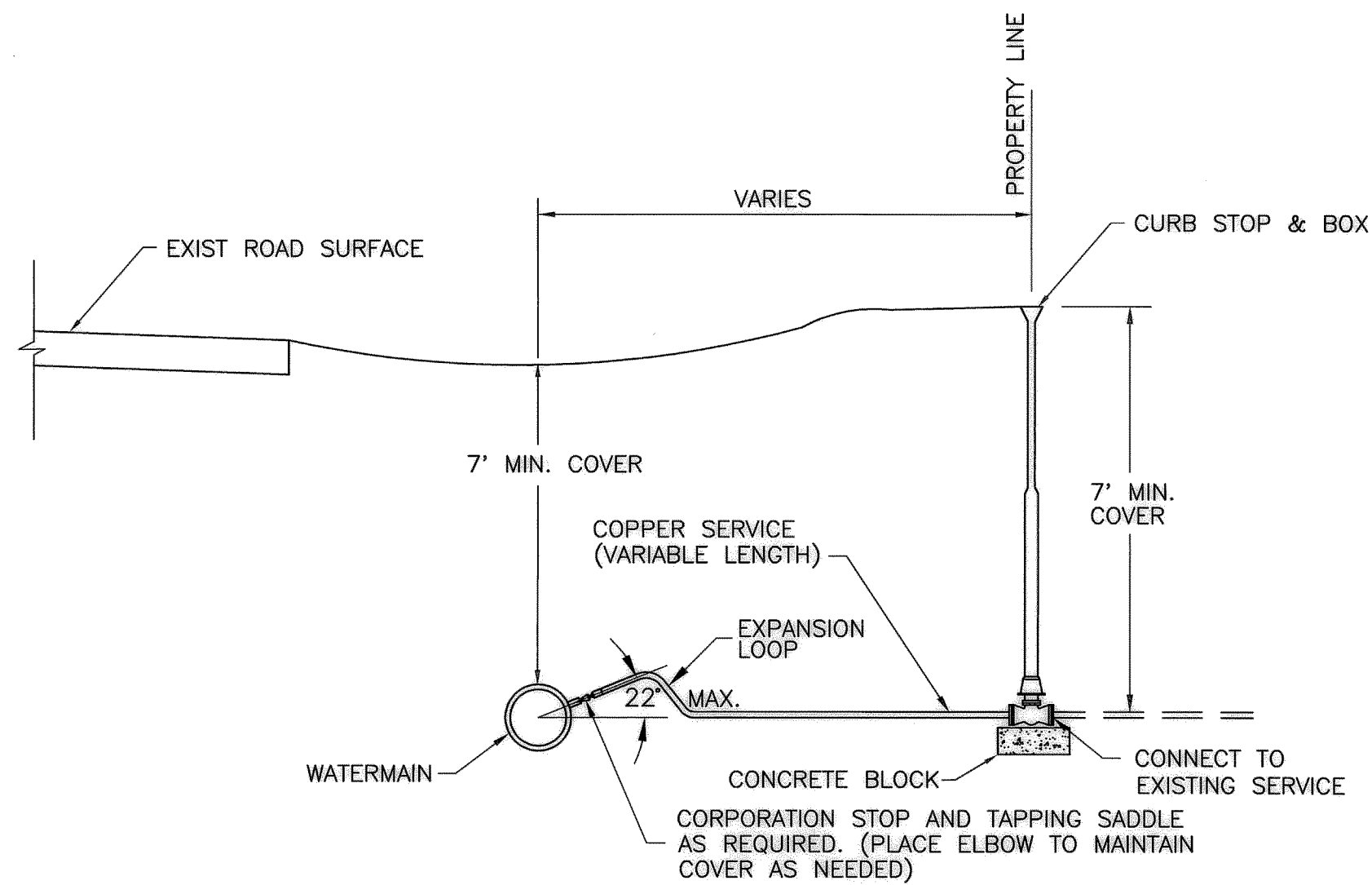
- ALIGNMENT/CENTERLINE
- RIGHT OF WAY LINE
- TEMPORARY EASEMENT
- CONSTRUCTION LIMITS
- CURB & GUTTER
- BITUMINOUS EDGE
- CONCRETE EDGE
- GRAVEL EDGE
- SILT FENCE-PREASSEMBLED
- SILT FENCE-HEAVY DUTY
- EROSION PROTECTION AT INLET
- MANHOLE
- CATCH BASIN
- SANITARY SEWER
- SANITARY FORCEMAIN
- SANITARY LIFT STATION
- STORM SEWER
- PERFORATED PIPE DRAIN
- CULVERT W/APRON
- HYDRANT
- VALVE
- CURBSTOP
- WATERMAIN



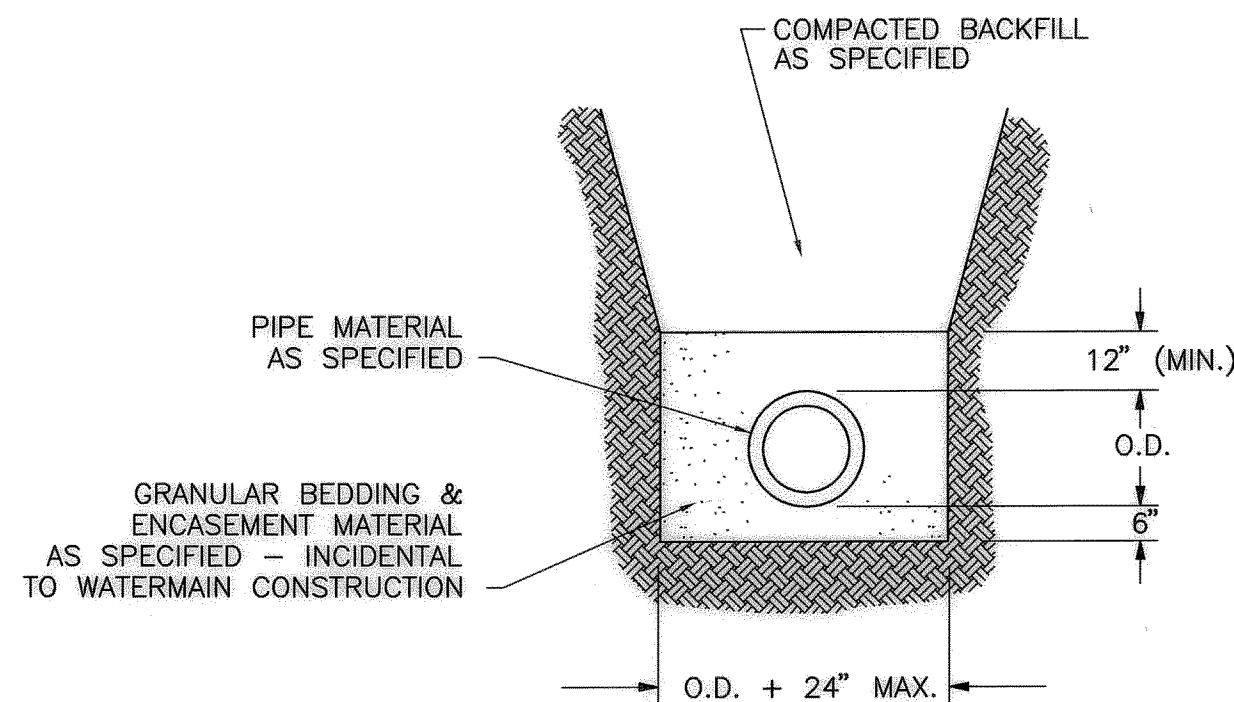
BOLTON & MENK, INC
CONSULTING ENGINEERS & SURVEYORS
MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN
BURNSVILLE, MN WILLMAR, MN AMES, IA LIBERTY, MO

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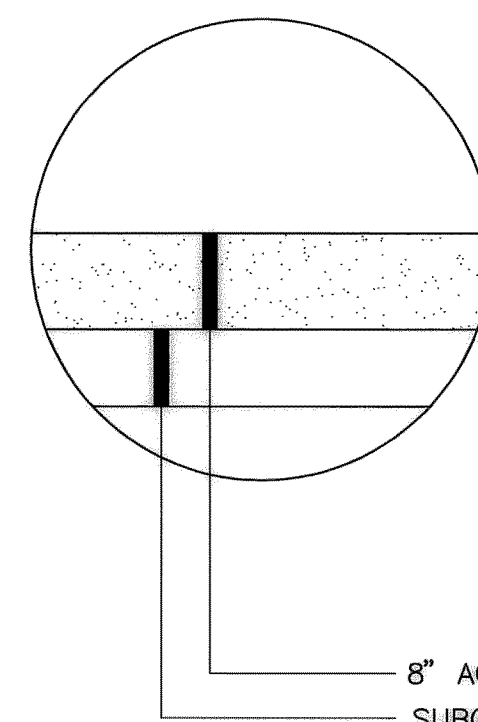
12-98 MDK



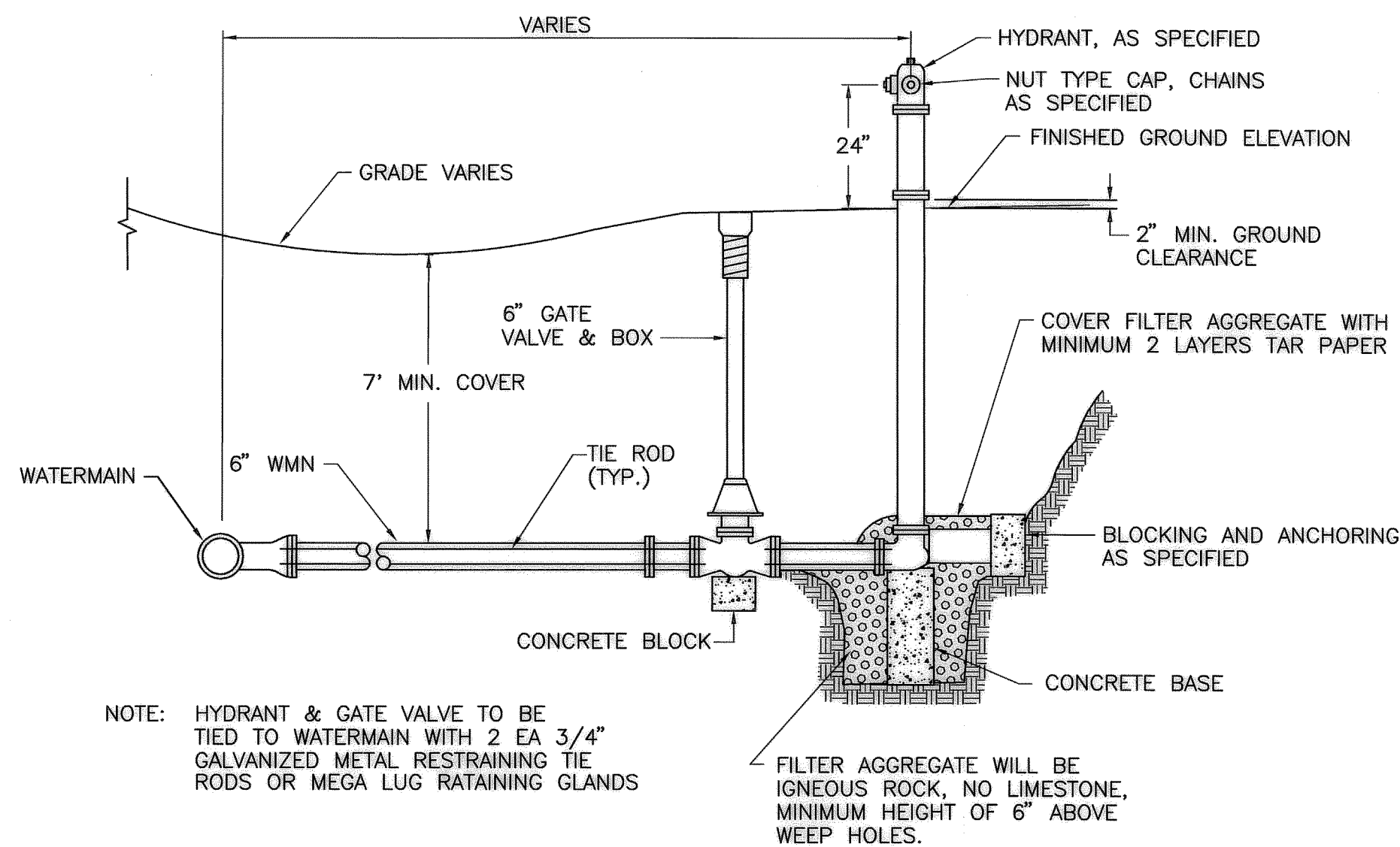
WATER SERVICE INSTALLATION DETAIL



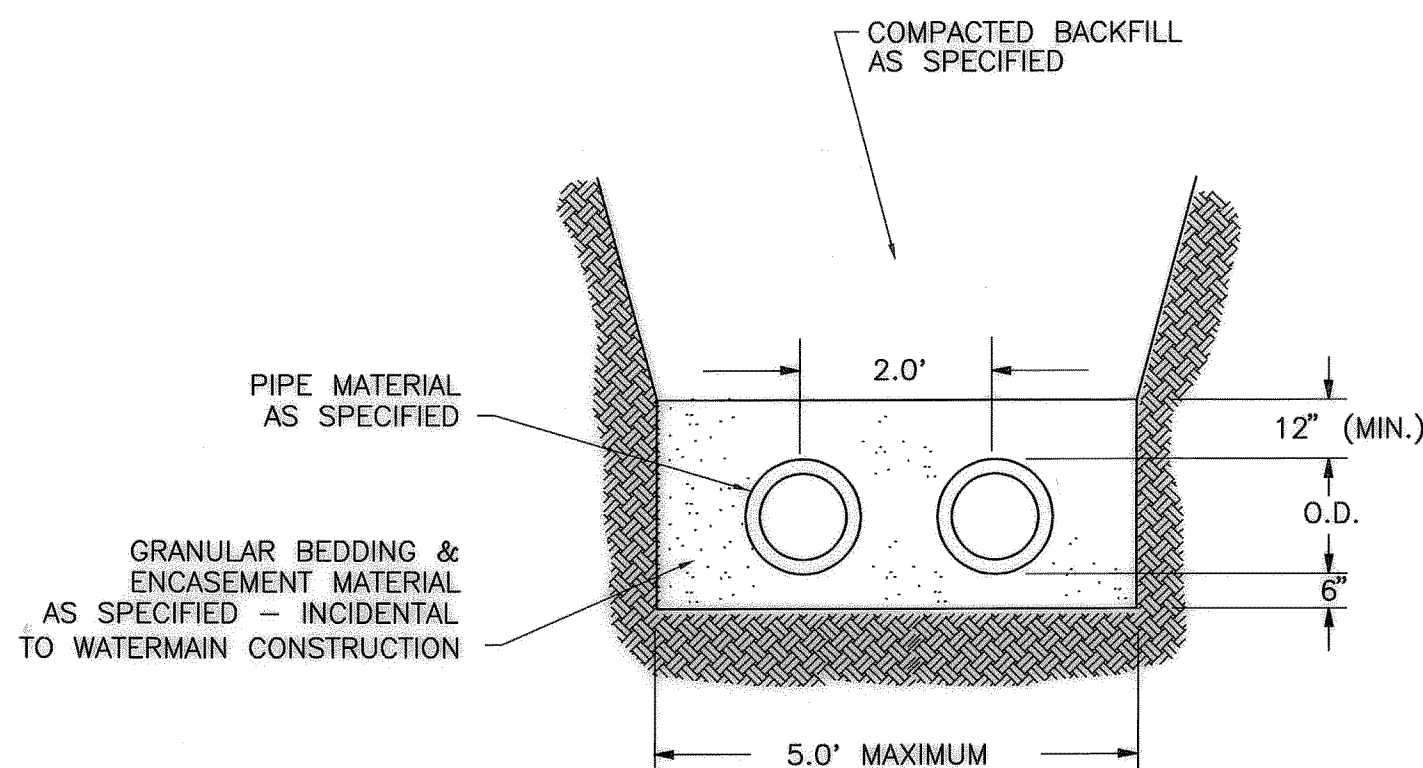
**TRENCH DETAIL
PVC WATERMAIN**



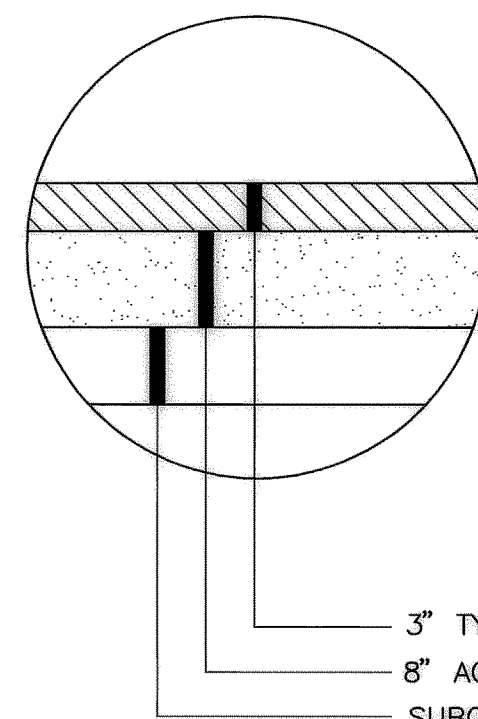
GRAVEL DRIVEWAY PATCH



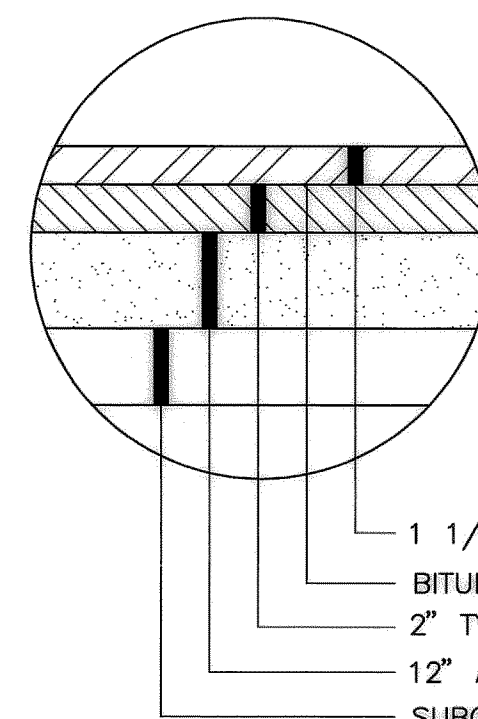
HYDRANT INSTALLATION



**TRENCH DETAIL
TWIN PVC WATERMAIN**



BITUMINOUS DRIVEWAY PATCH



BITUMINOUS PATCH

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12-98 MDK

PROJECT NO: MM98.0092
DRAWING NAME: H:\SKYL\MM980092\CAD\M8092D01.DWG
PLOT DATE: 5-22-98

NOTE: DETAILS ARE NOT TO SCALE

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 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
REG. NO. 21282 DATE 5/22/98

DESIGNED
DJD
DRAWN
DJD
CHECKED
MDK



BOLTON & MENK, INC
CONSULTING ENGINEERS & SURVEYORS
MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN
BURNSVILLE, MN WILLMAR, MN AMES, IA LIBERTY, MO

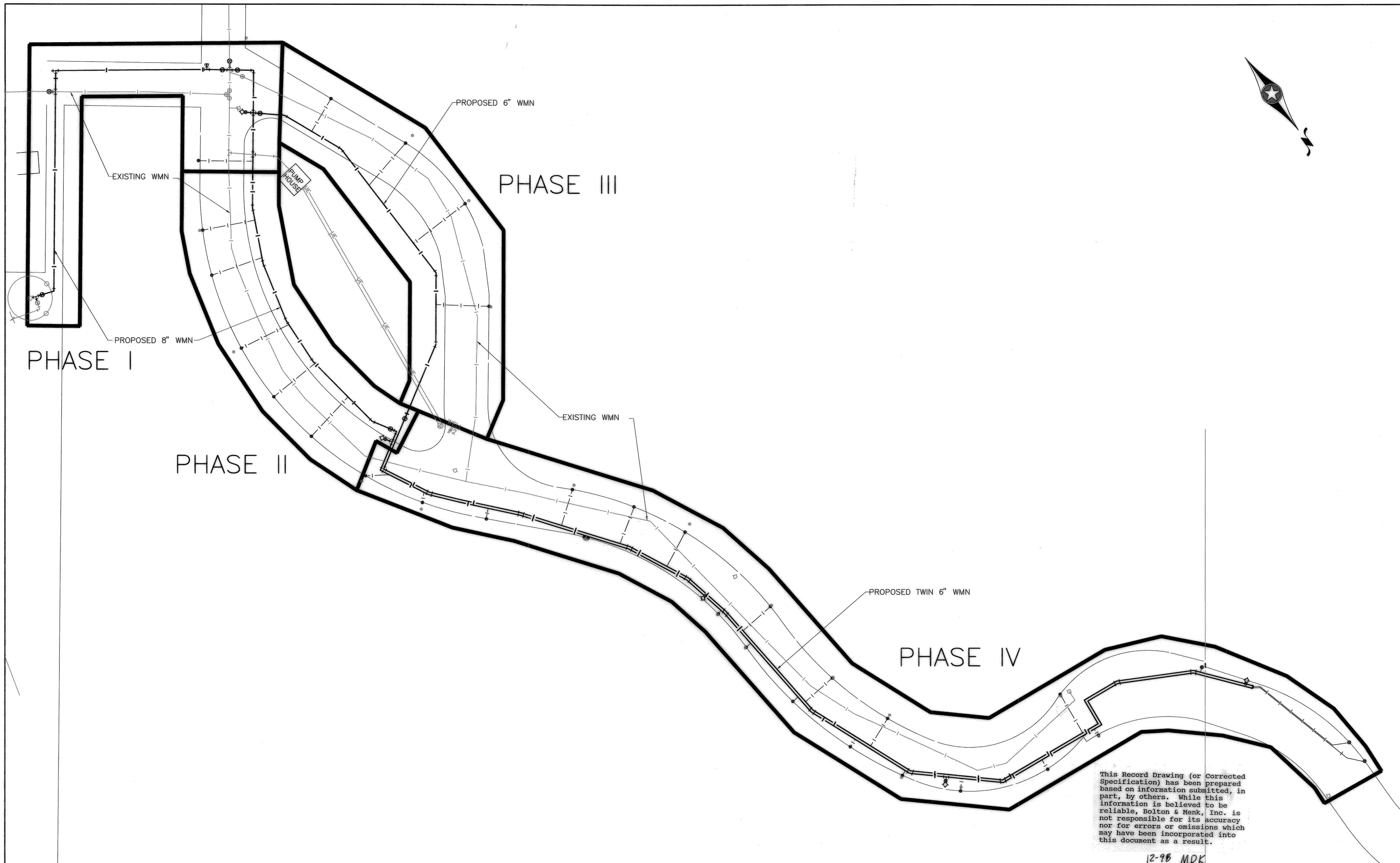
REV.	BY	DATE

CITY OF SKYLINE, MN
1998 WATERMAIN IMPROVEMENTS PHASES I-IV
DETAILS

SHEET
2
OF
6

19-489

V-17



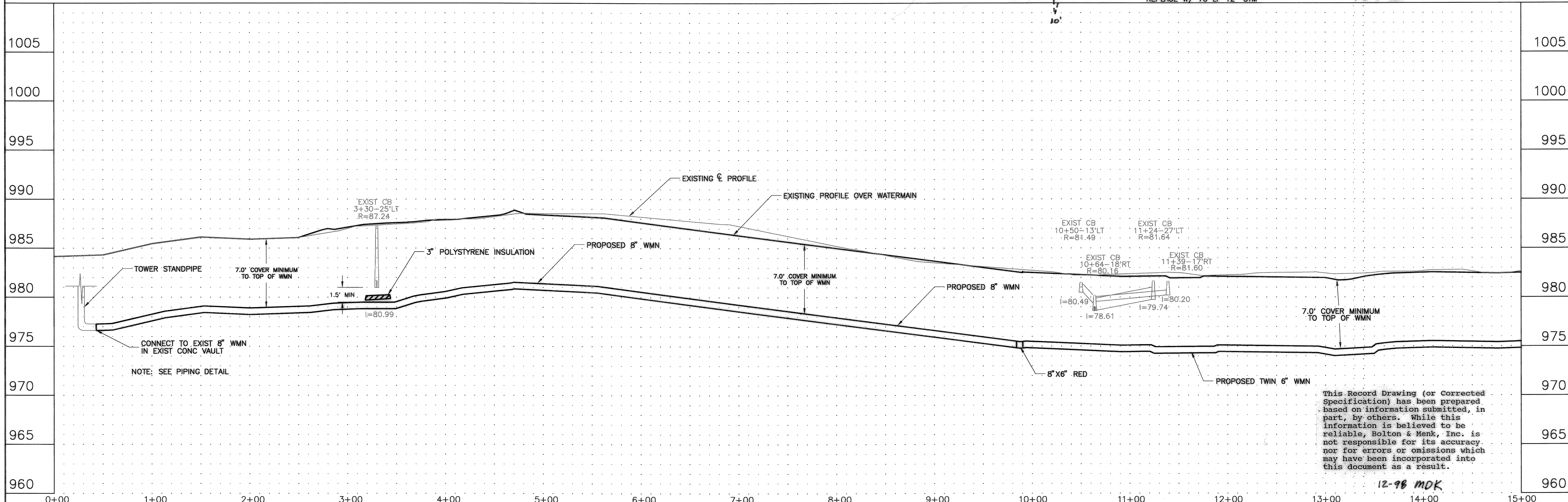
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12-98 MDK

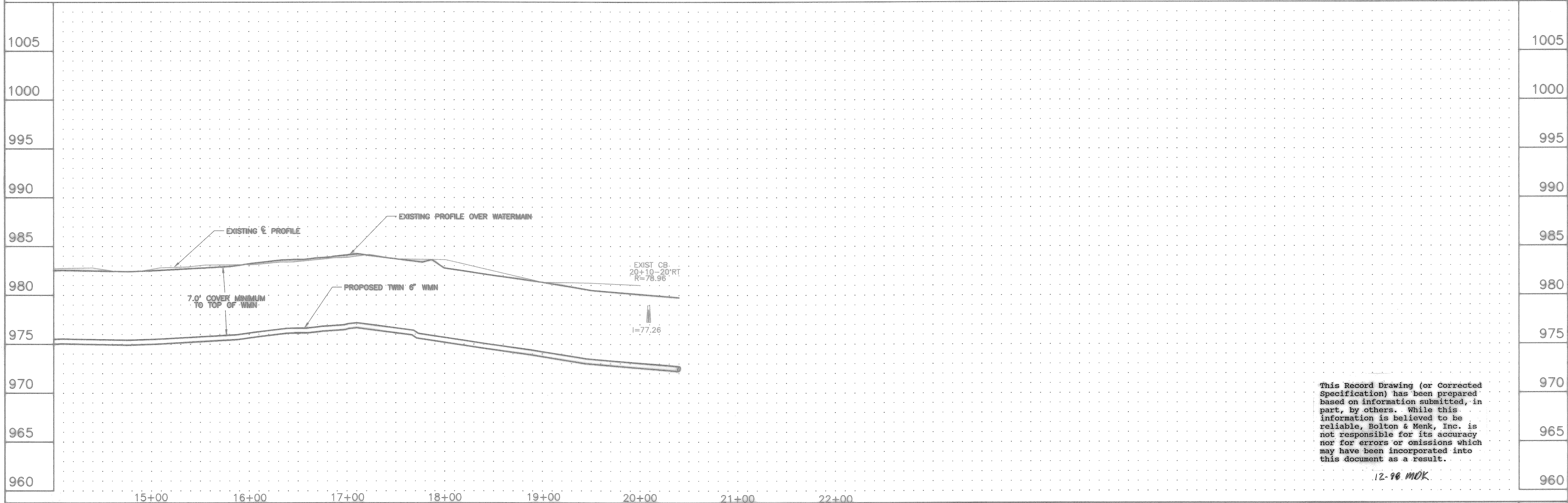
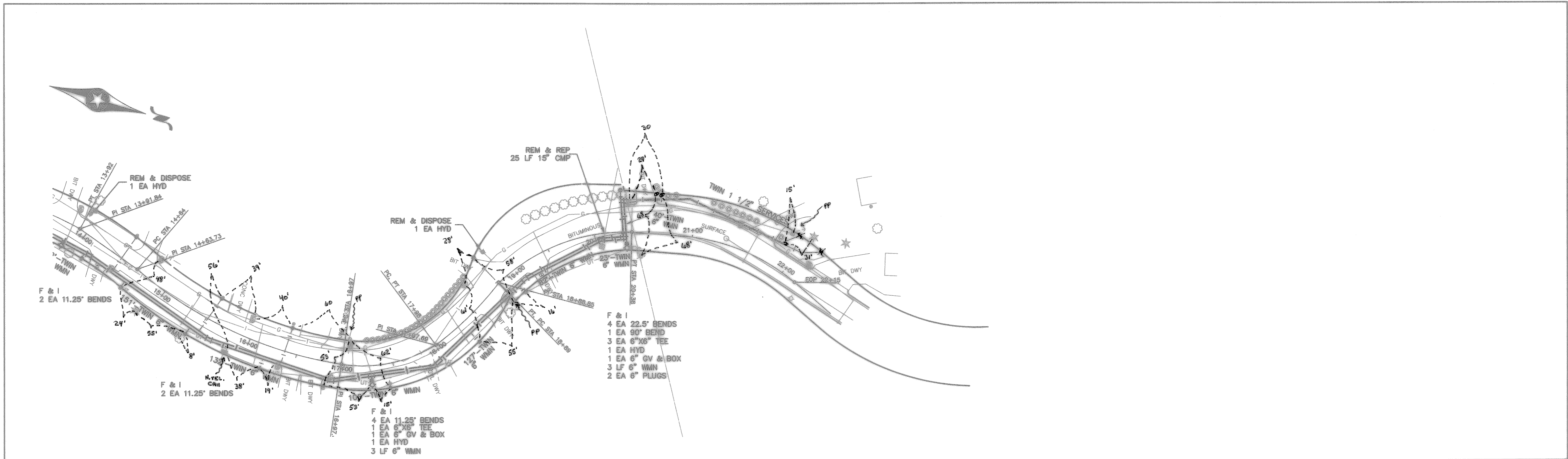
PROJECT NO.: MM98.0092 DRAWING NAME: H:\SKYL\MMB0092\CAD\MB0092S01.DWG PLOT DATE: 5-22-98		50 0 50 SCALE FEET		I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. <i>Mark D. Menk</i> REG. NO. 21282 DATE 5/22/98		DESIGNED: DJD DRAWN: NJH CHECKED: MDK		BOLTON & MENK, INC. CONSULTING ENGINEERS & SURVEYORS MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN BURNSVILLE, MN WILLMAR, MN AMES, IA LIBERTY, MO		REV. BY DATE _____ _____ _____		CITY OF SKYLINE, MN 1998 WATERMAIN IMPROVEMENTS PHASES I-IV PHASING		SHEET 3 OF 6 6	
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M-489

V-77



PROJECT NO.: MM98.0092		DRAWING NAME: H:\SKY\MM980092\CAD\RCP01001.DWG		PLOT DATE: 5-22-98		 HORIZ. SCALE FEET		 VERT. SCALE FEET		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 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. REG. NO. 21282 DATE 5/22/98		DESIGNED DJD DRAWN DJD CHECKED MDK		 BOLTON & MENK, INC. CONSULTING ENGINEERS & SURVEYORS MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN BURNSVILLE, MN WILLMAR, MN AMES, IA LIBERTY, MO		REV. BY DATE 		CITY OF SKYLINE, MN		SHEET 4 OF 6
												1998 WATERMAIN IMPROVEMENTS PHASES I-IV								
												SKYLINE DRIVE SOUTH OF PARK								
												STA 0+00 TO STA 15+00								



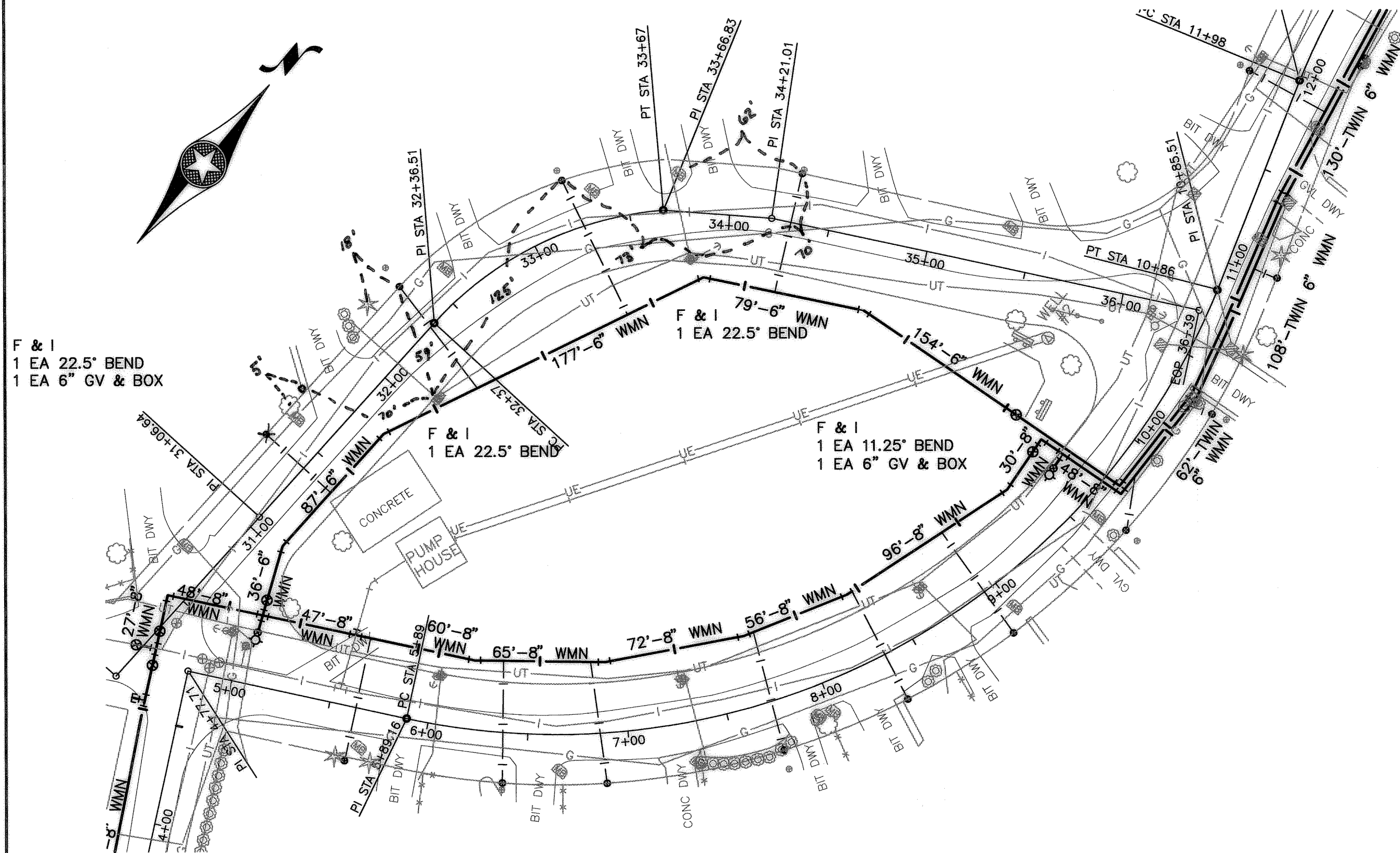
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12-98 MDK

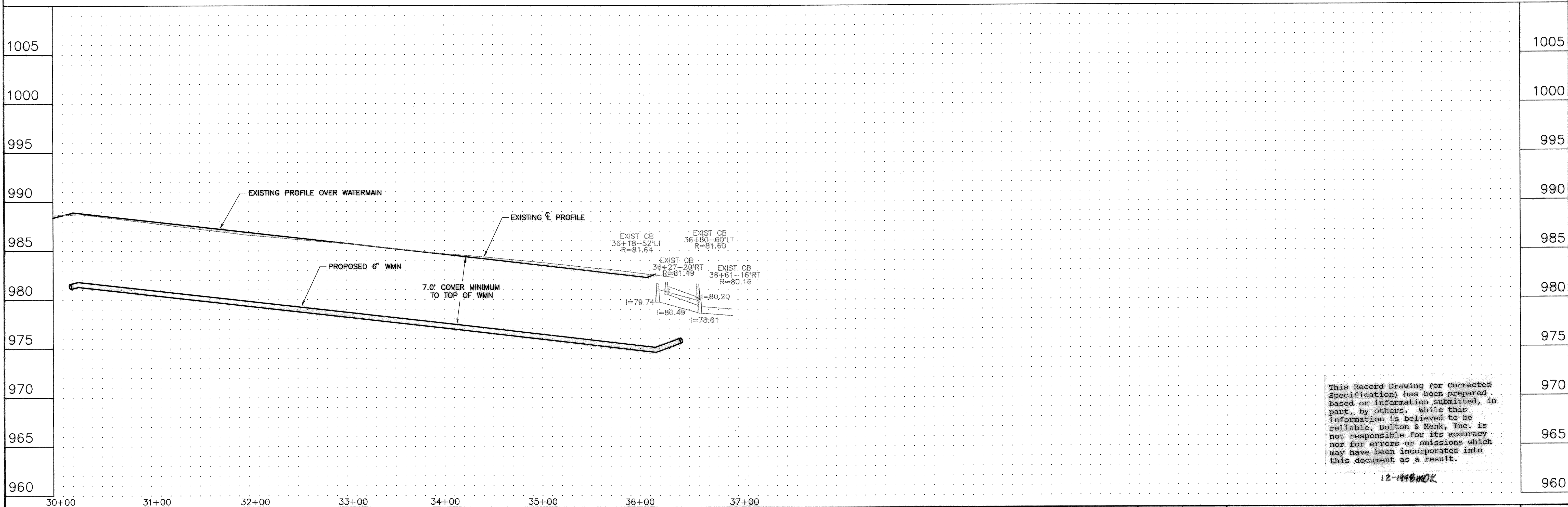
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REV.	BY	DATE																					
1	DJD	7-14-98																					

11-489

11-77



- NOTE:
IF PHASE III IS NOT AWARDED:
1. INSTALL 3 LF 6\"/>



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12-1998 MOK