

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  
 B-3

PROPOSED  
 22+00 ALIGNMENT/CENTERLINE  
 RIGHT OF WAY LINE  
 TEMPORARY EASEMENT  
 CONSTRUCTION LIMITS  
 CURB & GUTTER  
 BITUMINOUS EDGE  
 CONCRETE EDGE  
 GRAVEL EDGE  
 SILT FENCE—PRESASSEMBLED  
 SILT FENCE—HEAVY DUTY  
 EROSION PROTECTION AT INLET  
 MANHOLE  
 CATCH BASIN  
 SANITARY SEWER  
 SANITARY FORCEMAIN  
 SANITARY LIFT STATION  
 STORM SEWER  
 12" STM  
 4" PERF PD  
 6" WMN  
 6" SAN  
 6" FM  
 12" STM  
 4" WMN  
 6" WMN

3-31-1999  
 H:\\SKYL\\MNU93004\\CAD\\93004.DWG

MAP OF THE  
 CITY OF SKYLINE  
 BLUE EARTH COUNTY, MN



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

THESE RECORD DRAWINGS HAVE BEEN PREPARED  
 FROM AVAILABLE INFORMATION. NOT ALL  
 FEATURES AND CONSTRUCTION NOTES HAVE BEEN  
 CHANGED OR REDRAWN TO REFLECT THE AS  
 CONSTRUCTED CONDITIONS. CARE AND FIELD  
 VERIFICATION ARE RECOMMENDED IF THESE  
 DRAWINGS ARE TO BE USED FOR FUTURE  
 EXTENSIONS OR REVISIONS.  
 2/24/99  
 M&M

**CITY OF SKYLINE**  
 CONSTRUCTION PLANS FOR  
**1999 WATERMAIN IMPROVEMENTS**

SKYLINE, MN

MARCH 1999

**SHEET INDEX**

**SHEET NO.**

**TITLE**

- |   |  |
|---|--|
| 1 | TITLE SHEET                                |
| 2 | DETAILS                                    |
| 3 | SKYLINE DRIVE STA 0+00 TO STA 5+91         |
| 4 | SOUTH SKYLINE DRIVE STA 10+00 TO STA 14+02 |
| 5 | SKYLINE COURT STA 20+00 TO STA 27+25       |
| 6 | SOUTH SKYLINE DRIVE STA 30+00 TO 32+30     |

**RESOURCE LIST**

**CITY OF SKYLINE**

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

City Treasurer:  
 DOROTHY ANDRING

City Clerk:  
 ROBERT IRWIN

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

CABLE  
 BRESNAN COMMUNICATIONS  
 1724 MADISON AVENUE  
 MANKATO, MN 56001  
 507-386-9311

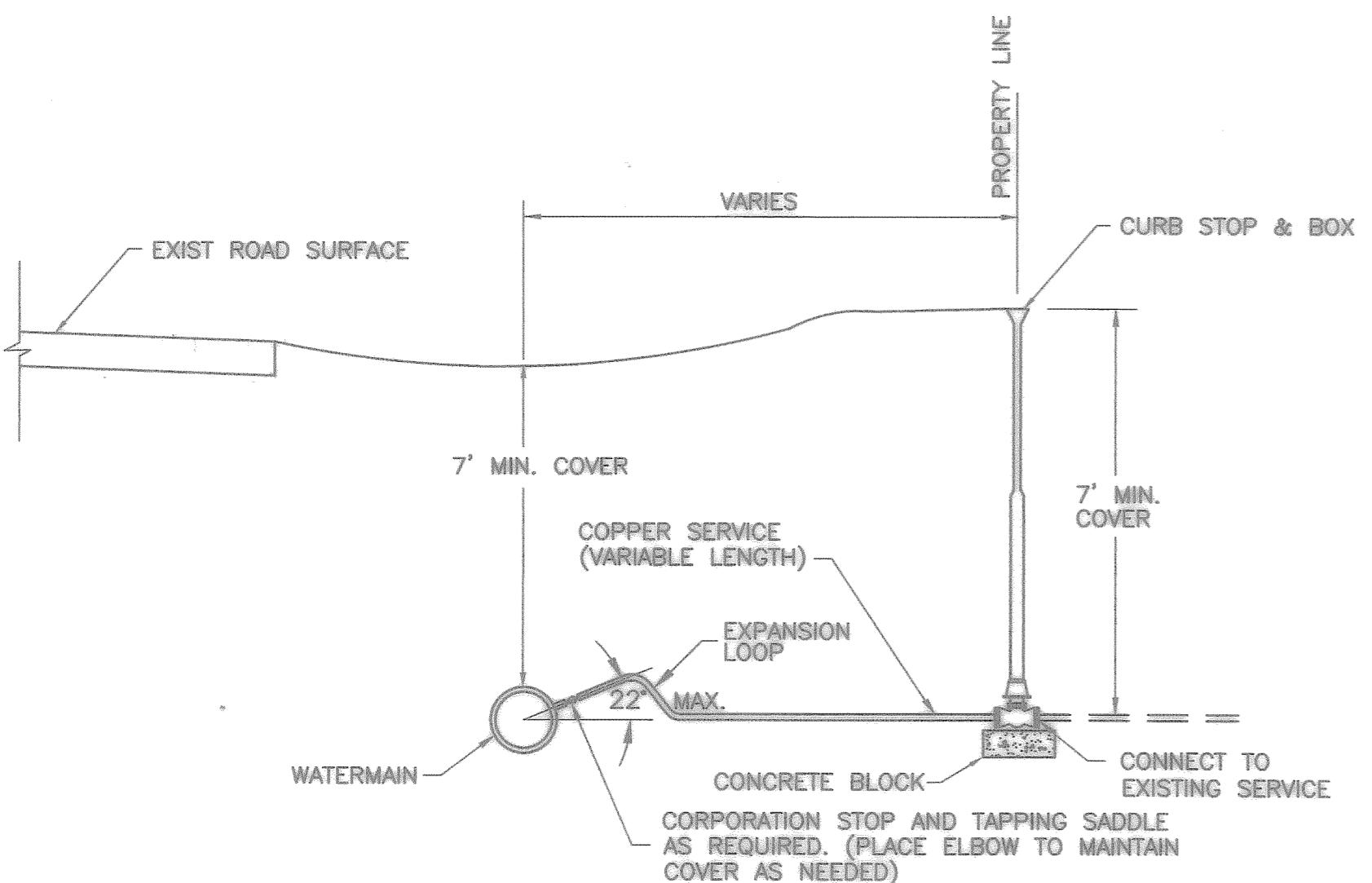
ELECTRIC  
 Northern States Power  
 PO Box 1090  
 Mankato, MN 56001  
 507-625-5621, FAX: 507-387-9604

NOTE:  
 EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS  
 BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR  
 SHALL 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.

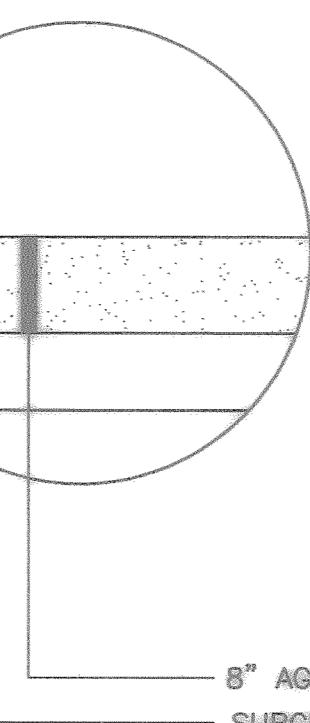
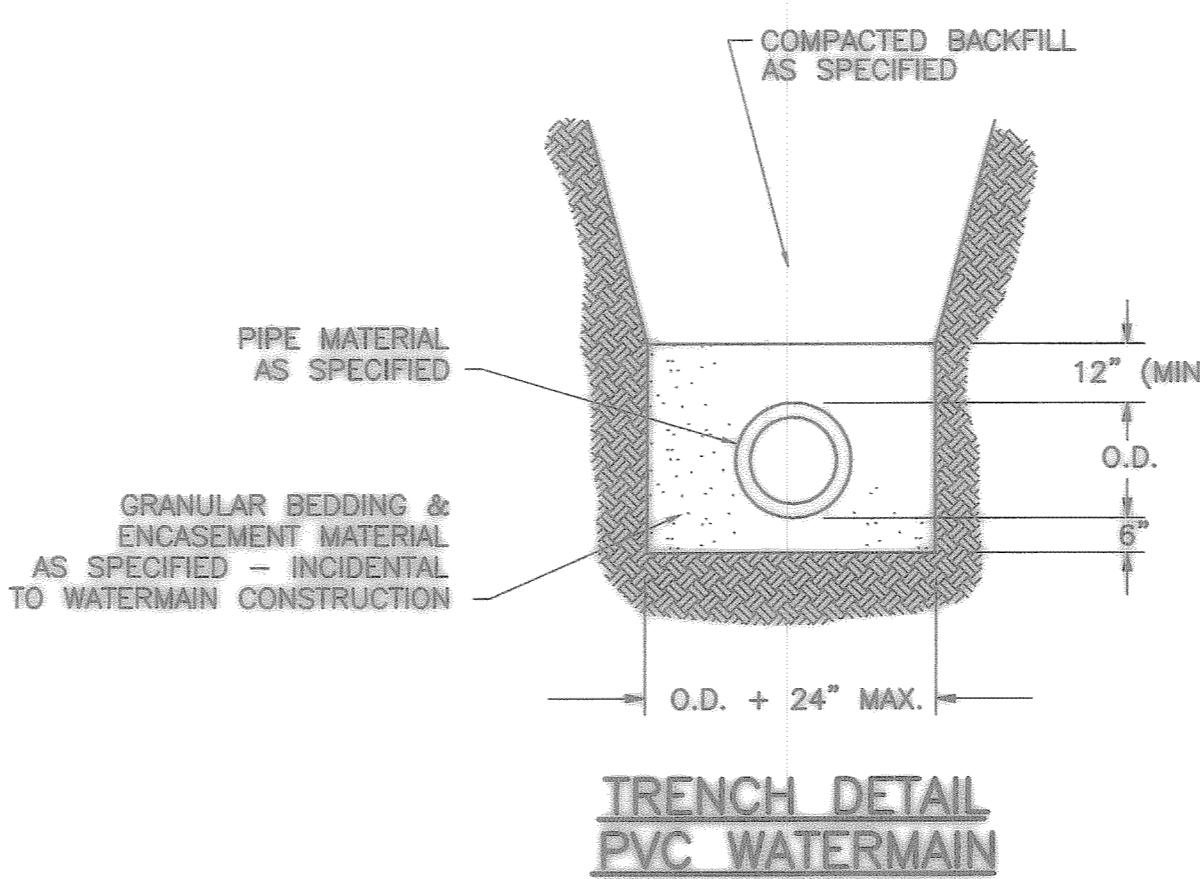
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED  
 BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED  
 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

*Mark D. Kasma* REG. NO. 21282 DATE: 3/31/99

RECORD DRAWING INFORMATION	CITY OF SKYLINE, MN	
OWNER:	1999 WATERMAIN IMPROVEMENTS	
CONTRACTOR:		
DATE:		
TITLE SHEET		
SHEET		1 OF 6

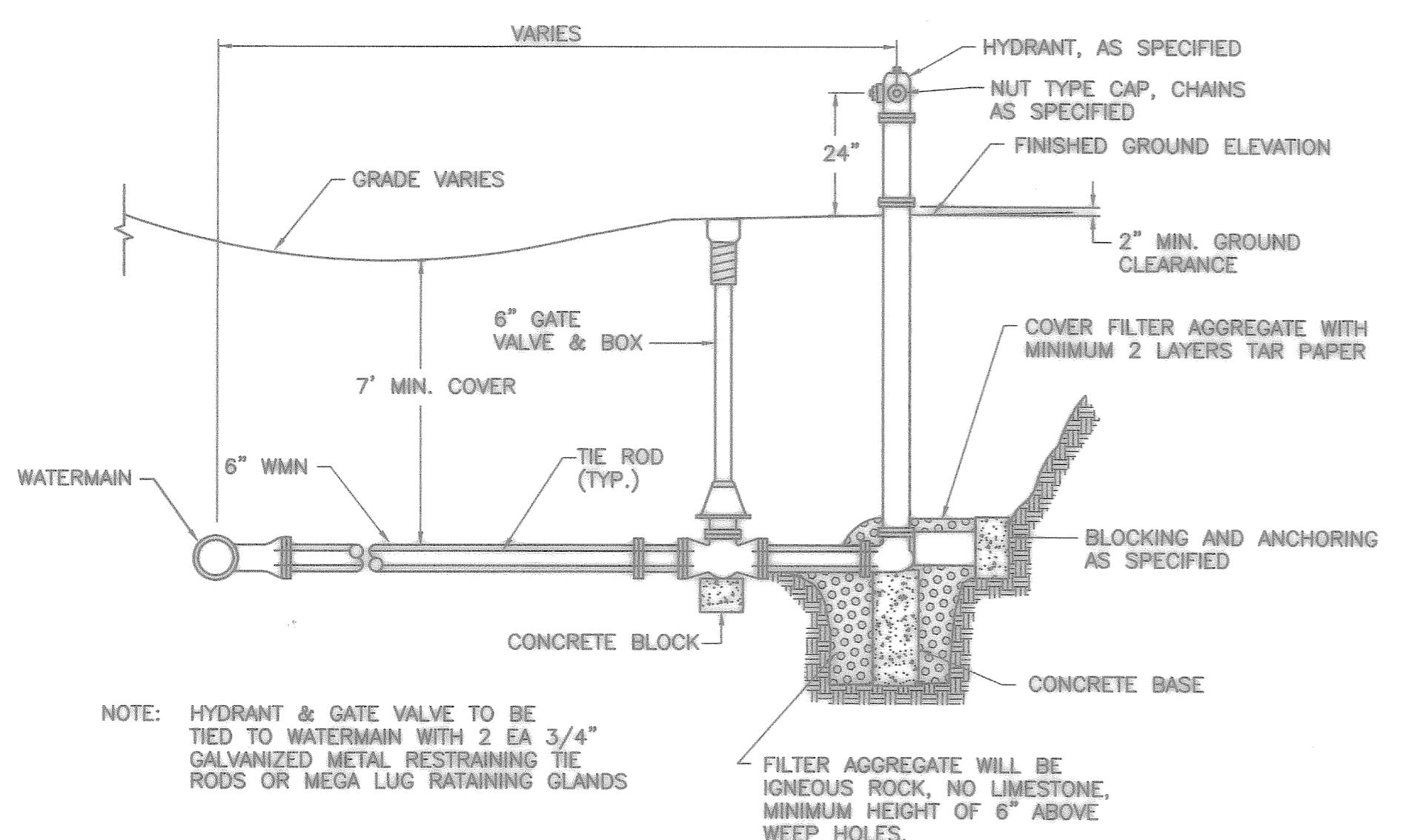


WATER SERVICE INSTALLATION DETAIL



GRAVEL DRIVEWAY PATCH

8" AGGREGATE BASE PLACED CL 5 (100% CRUSHED LIMESTONE) (2211)  
SUBGRADE PREPARATION (2112)



HYDRANT INSTALLATION

PROJECT NO: MM99.0004  
DRAWING NAME: H:\SKYL\MM990004\CAD\M9004d01.dwg  
PLOT DATE: 3-31-1999

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.  
*Mike A. Kenna*  
REG. NO. 21282 DATE 3/31/99

DESIGNED  
DRAWN  
CHECKED  
MDK

DJD  
DRC  
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

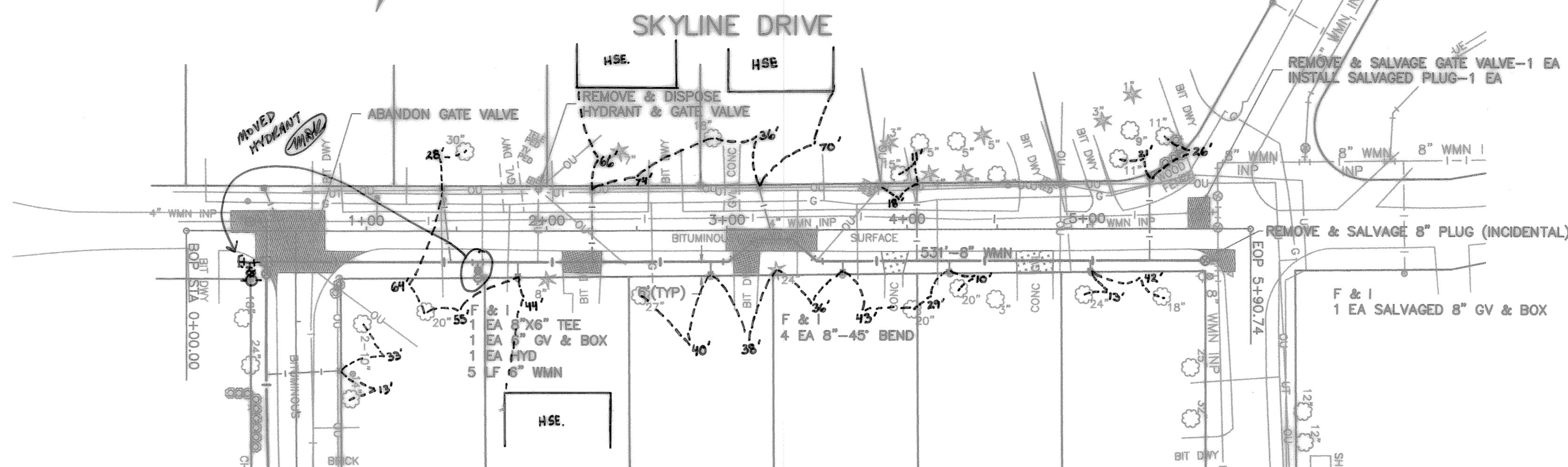
**CITY OF SKYLINE, MN**  
1999 WATERMAIN IMPROVEMENTS  
DETAILS

SHEET  
2  
OF  
6

THESE RECORD DRAWINGS HAVE BEEN PREPARED FROM AVAILABLE INFORMATION. NOT ALL FEATURES AND CONSTRUCTION NOTES HAVE BEEN CHANGED OR REDRAWN TO REFLECT THE AS CONSTRUCTED CONDITIONS. CARE AND FIELD VERIFICATION ARE RECOMMENDED IF THESE DRAWINGS ARE TO BE USED FOR FUTURE EXTENSIONS OR REVISIONS.  
*2-22-2000  
MDK*

LEGEND

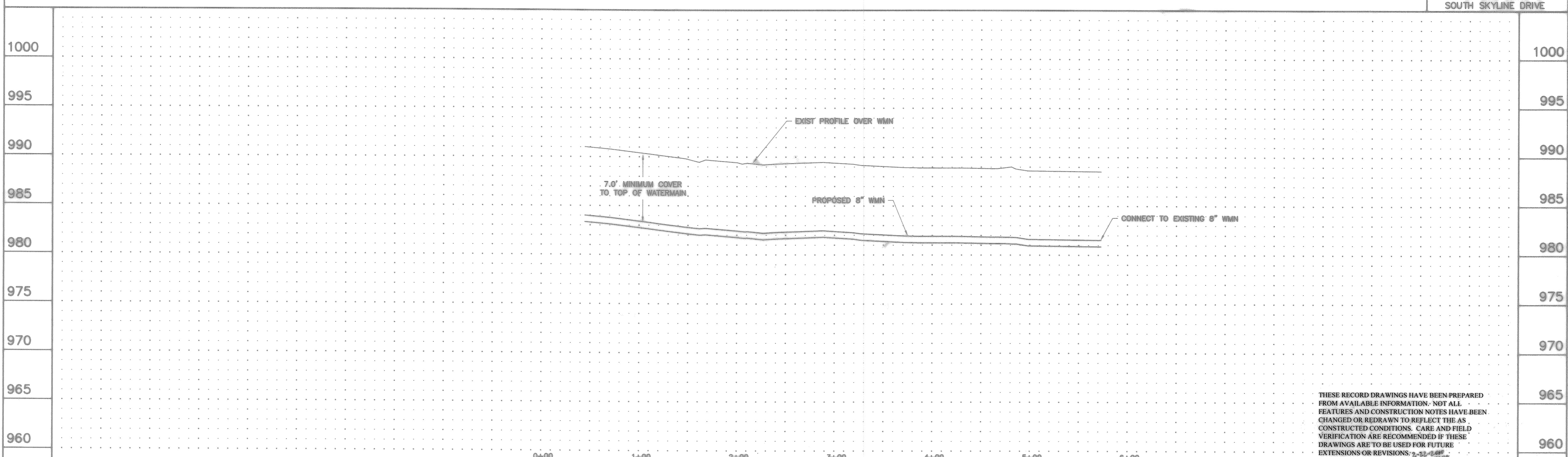
- = BITUMINOUS PATCH
- = BITUMINOUS DRIVEWAY PATCH
- = GRAVEL DRIVEWAY PATCH



NOTE: CONTRACTOR TO PNEUMA GOPHER ALL SERVICES ACROSS ROADWAY (UNLESS NOTED).

ABANDON EXISTING WATERMAIN STA. 0+36 TO STA. 5+73 (INCIDENTAL)

BM=991.36  
TOP OF HYD AT SW COR  
OF SKYLINE DRIVE &  
SOUTH SKYLINE DRIVE



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PROJECT NO.: MM99.0004  
DRAWING NAME: H:\SKY\MM990004\CAD\RCP01001.DWG  
PLOT DATE: 3-31-99  
FB:

50 0 50  
HORIZ. SCALE FEET

5 0 5  
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.  
*Mike D. Kasma*  
REG. NO. 21282 DATE 3/31/99

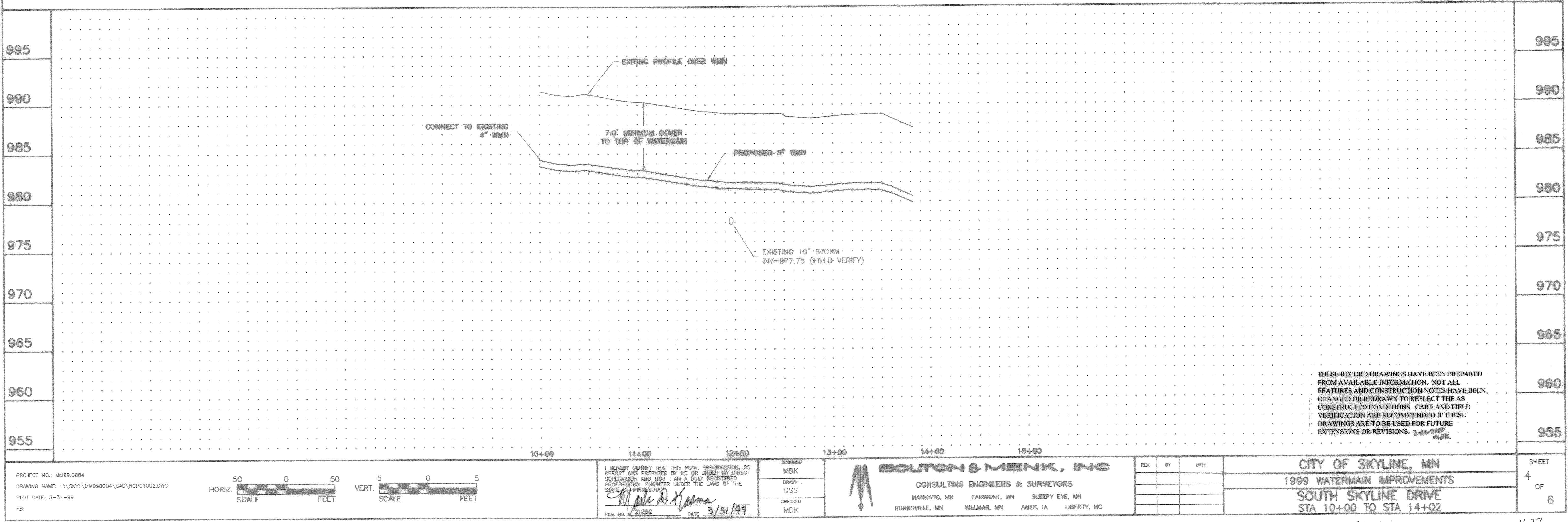
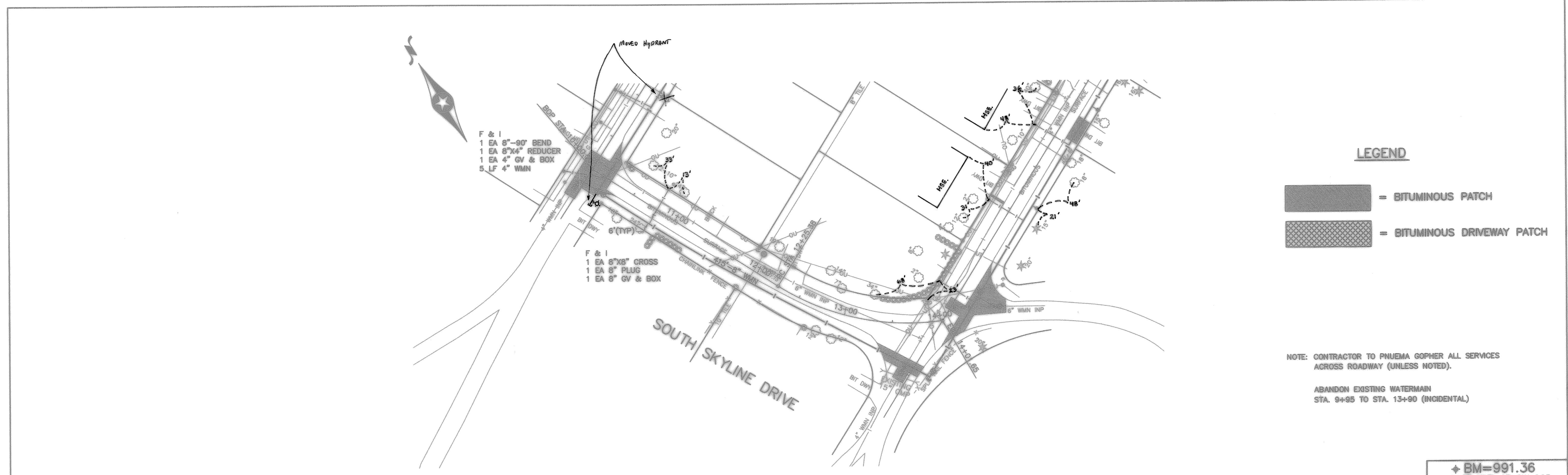
DESIGNED  
MDK  
DRAWN  
DSS  
CHECKED  
MDK

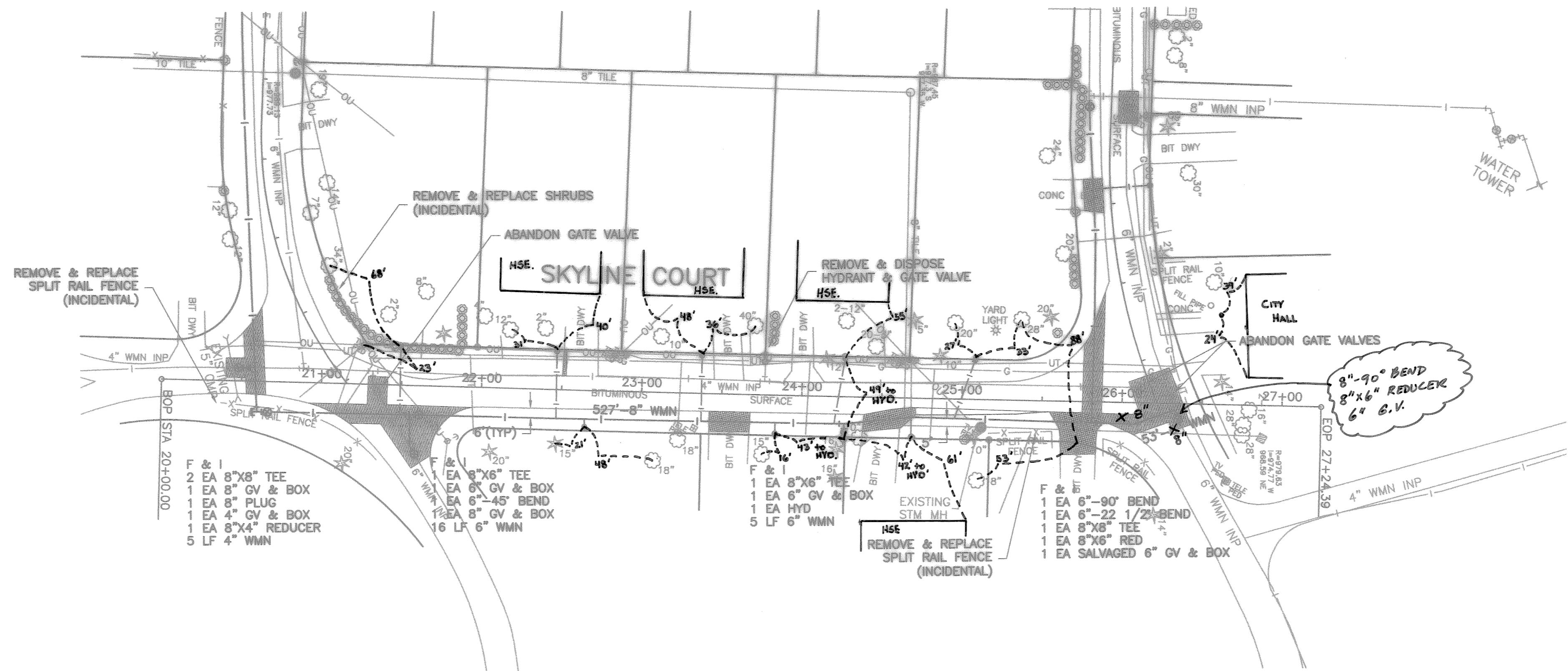
REV. BY DATE

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

CITY OF SKYLINE, MN  
1999 WATERMAIN IMPROVEMENTS  
SKYLINE DRIVE  
STA 0+00 TO STA 5+91

SHEET  
3  
OF  
6





## LEGEND

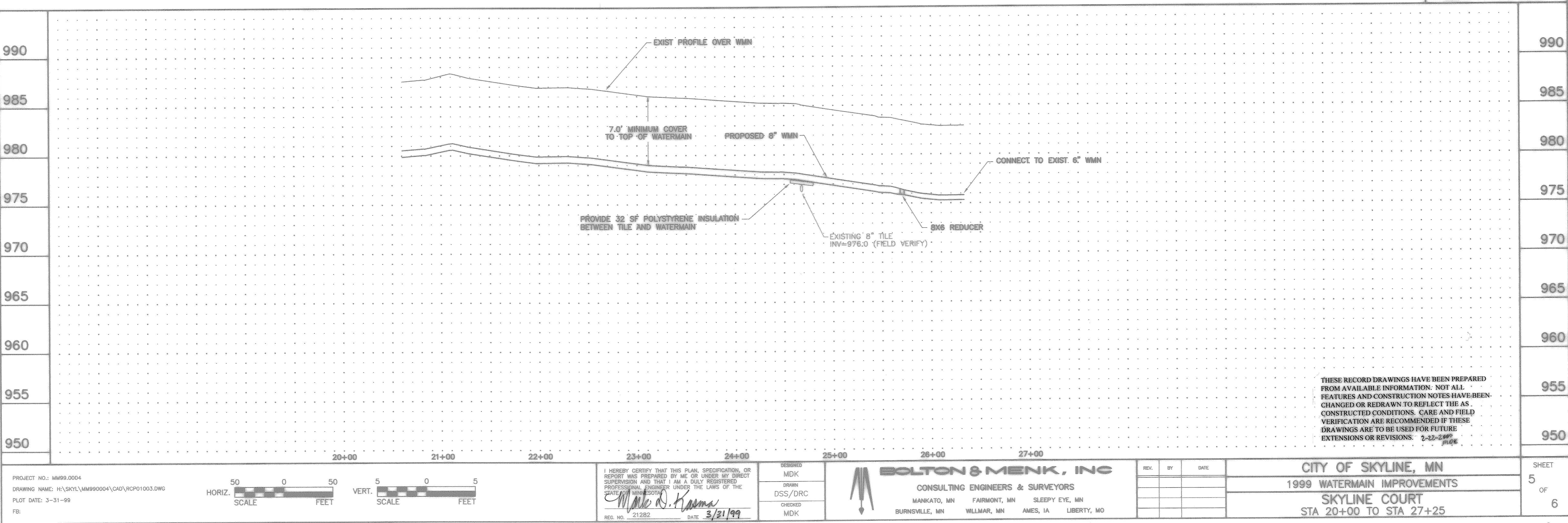
= BITUMINOUS PATCH

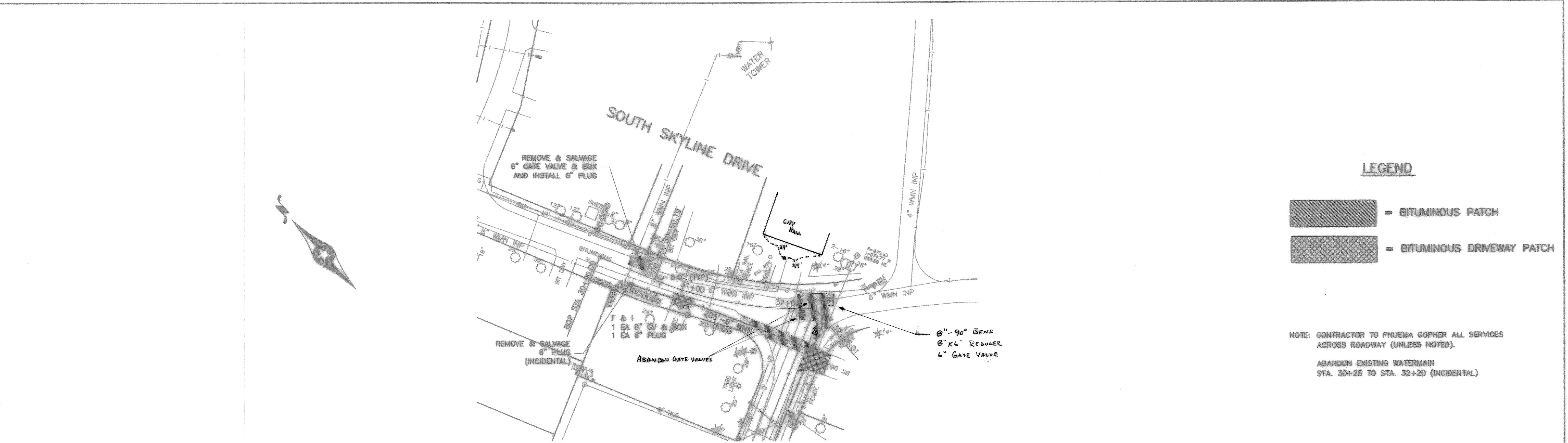
= BITUMINOUS DRIVEWAY PATCH

NOTE: CONTRACTOR TO PNUEMA GOPHER ALL SERVICES ACROSS ROADWAY (UNLESS NOTED).

**BANDON EXISTING WATERMAIN  
STA. 20+60 TO STA. 26+25 (INCIDENTAL)**

\* BM=991.36  
TOP OF HYD AT SW COR  
OF SKYLINE DRIVE &  
SOUTH SKYLINE DRIVE

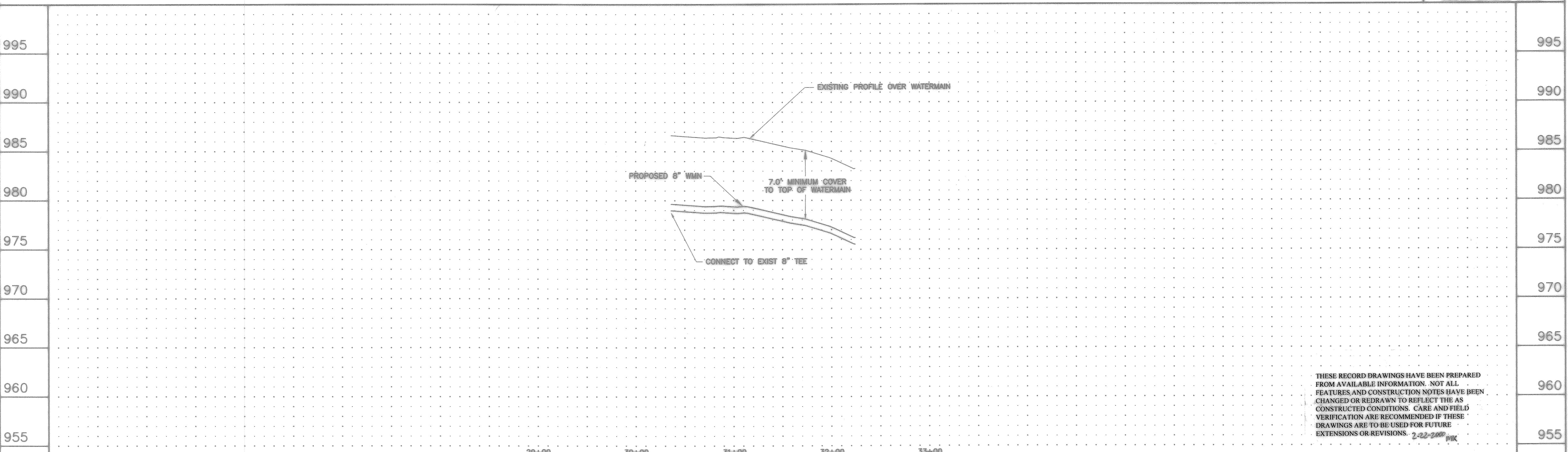




NOTE: CONTRACTOR TO PNEUMA GOPHER ALL SERVICES ACROSS ROADWAY (UNLESS NOTED).

ABANDON EXISTING WATERMAIN STA. 30+25 TO STA. 32+20 (INCIDENTAL)

BM=991.36  
TOP OF HYD AT SW COR  
OF SKYLINE DRIVE &  
SOUTH SKYLINE DRIVE



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PROJECT NO.: MM99.0004  
DRAWING NAME: H:\SKYL\MM990004\CAD\RCP01004  
PLOT DATE: 3-31-99  
FB:

50 0 50  
HORIZ. SCALE FEET

5 0 5  
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.  
Mike N. Kasner  
REG. NO. 21282 DATE 3/31/99

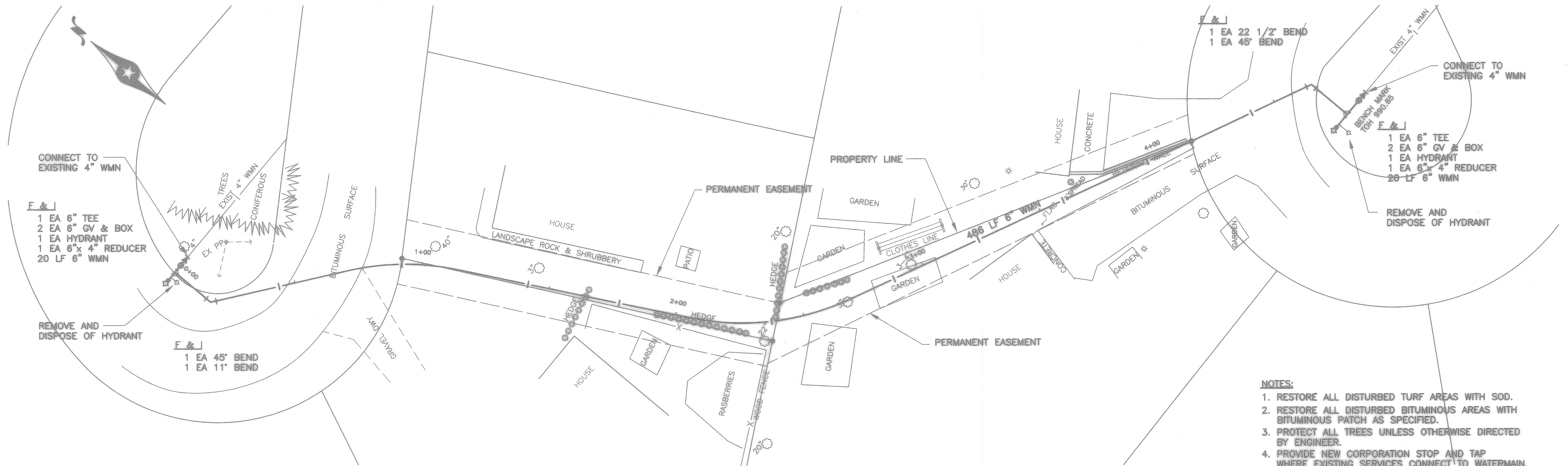
DESIGNED  
MDK  
DRAWN  
DSS/DRC  
CHECKED  
MDK

REV. BY DATE

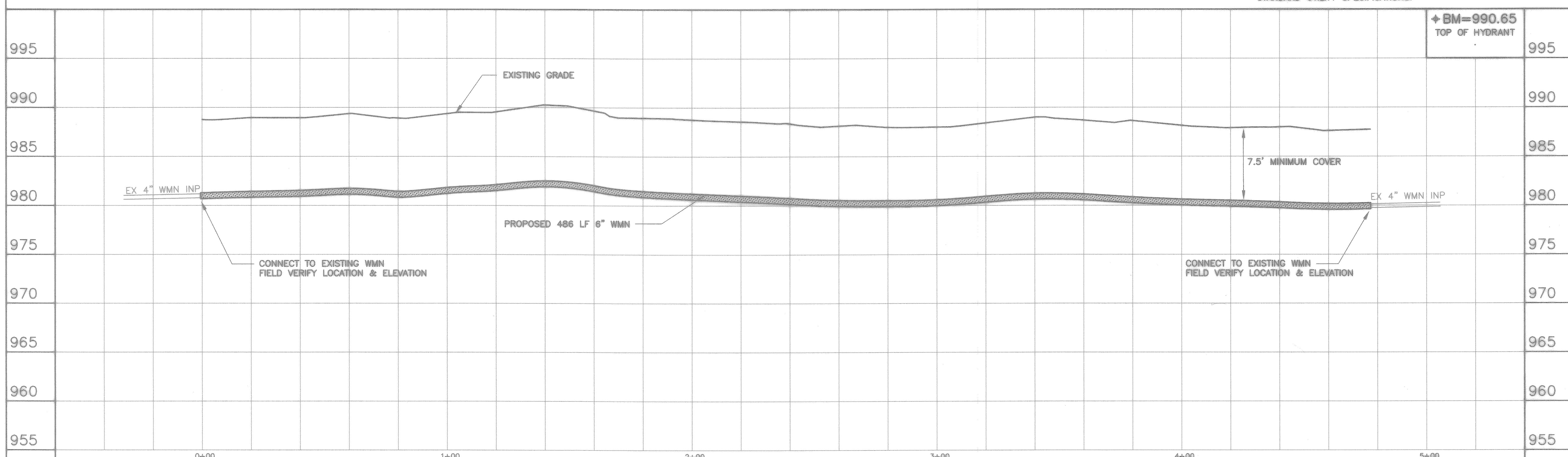
**BOLTON & MENK, INC.**  
CONSULTING ENGINEERS & SURVEYORS  
MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN  
BURNSVILLE, MN WILLMAR, MN AMES, IA LIBERTY, MO

6 OF 6

CITY OF SKYLINE, MN  
1999 WATERMAIN IMPROVEMENTS  
SOUTH SKYLINE DRIVE  
STA 30+00 TO STA 32+30



- NOTES:**
1. RESTORE ALL DISTURBED TURF AREAS WITH SOD.
  2. RESTORE ALL DISTURBED BITUMINOUS AREAS WITH BITUMINOUS PATCH AS SPECIFIED.
  3. PROTECT ALL TREES UNLESS OTHERWISE DIRECTED BY ENGINEER.
  4. PROVIDE NEW CORPORATION STOP AND TAP WHERE EXISTING SERVICES CONNECT TO WATERMAIN.
  5. ALL WATERMAIN CONSTRUCTION TO MEET C.E.A.M. STANDARD UTILITY SPECIFICATIONS.



PROJECT NO.: MM99.0004  
DRAWING NAME: H:\SKYL\MM990004\CAD2\RCP01001.DWG  
PLOT DATE: 8-16-99

20 0 20  
HORIZ. SCALE FEET  
5 0 5  
VERT. SCALE FEET

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL FOR THE RECOGNITION OF A PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA  
*Carol J. Caron*  
REG. NO. 25374 DATE 8-16-99

DESIGNED  
CJC  
DRAWN  
djb  
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, MINNESOTA**  
WATERMAIN IMPROVEMENTS - 1999  
PLAN & PROFILE

SHEET  
1  
OF  
1