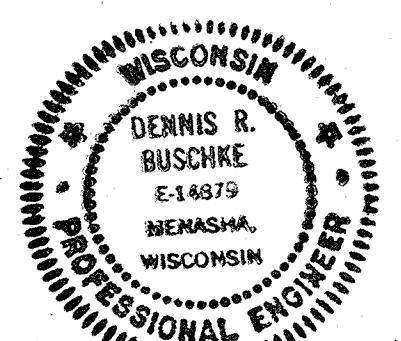
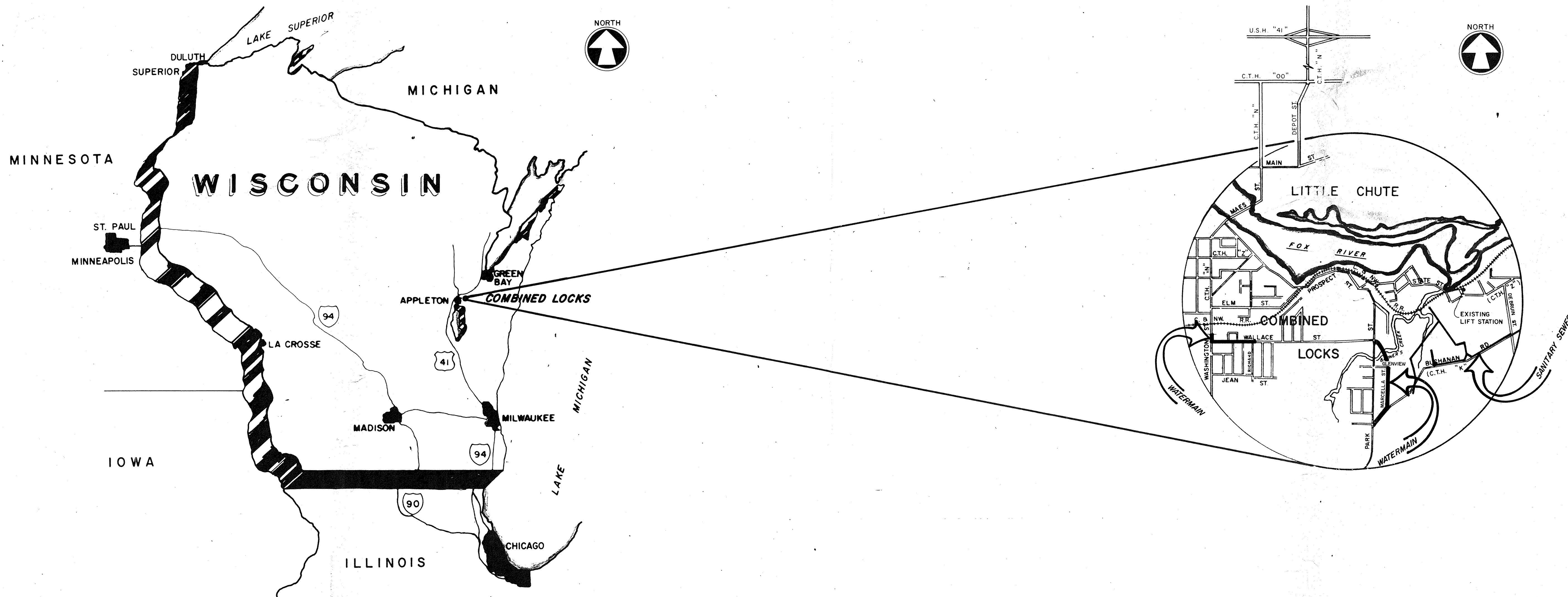


SANITARY SEWER AND WATER MAIN CONSTRUCTION VILLAGE OF COMBINED LOCKS

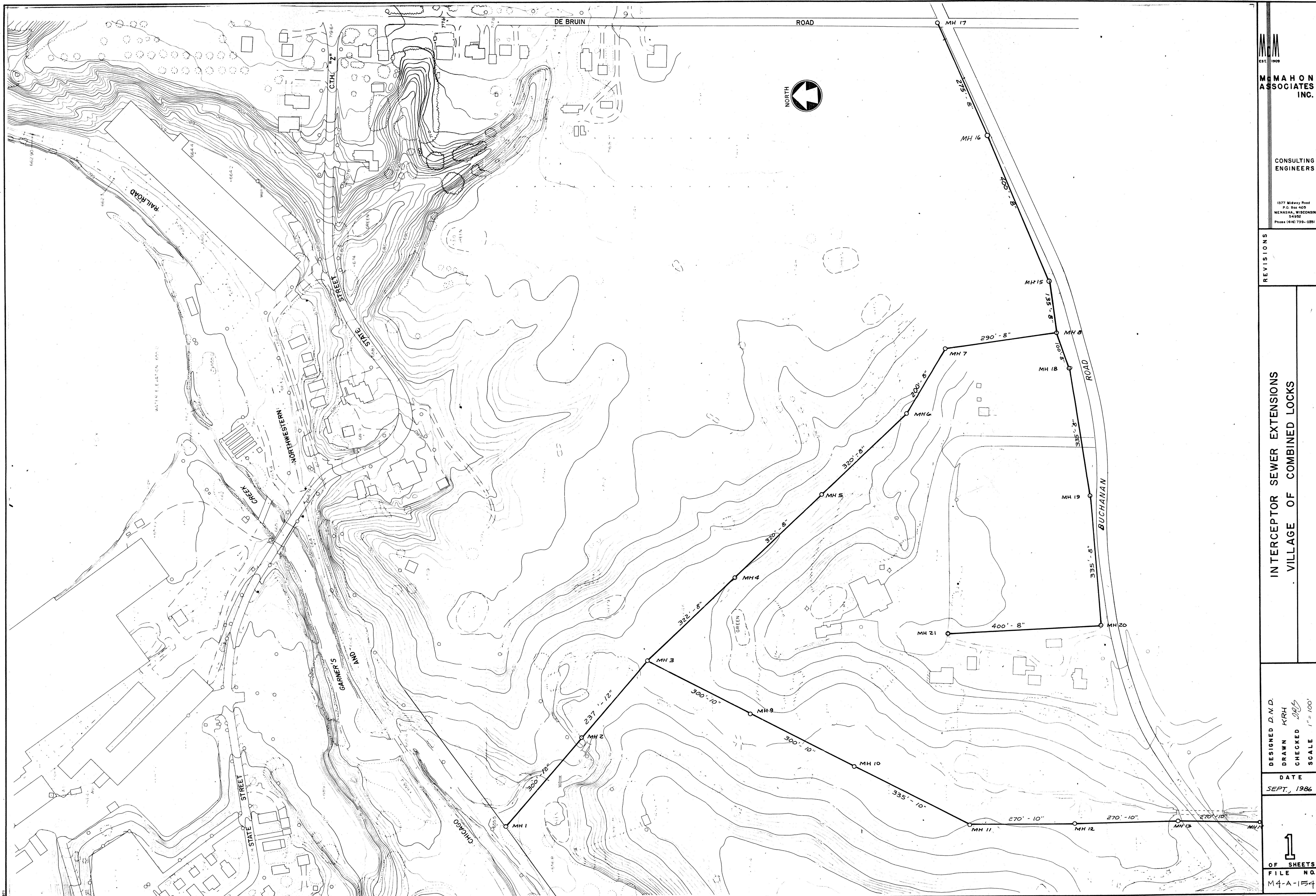
OUTAGAMIE COUNTY — WISCONSIN

C-K



Dennis R. Buschke
E-14879
MENASHA,
WISCONSIN
2/17/87

McMAHON ASSOCIATES, INC.
CONSULTING ENGINEERS
MENASHA, WISCONSIN



MAHON
ASSOCIATES
INC.

ENGINEERS

MENASHA, WISCONSIN

REVISIONS

REVISIONS

INTERCEPTOR SEWER EXTENSIONS
VILLAGE OF COMBINED LOCKS
MILL CRAFT PROPERTY

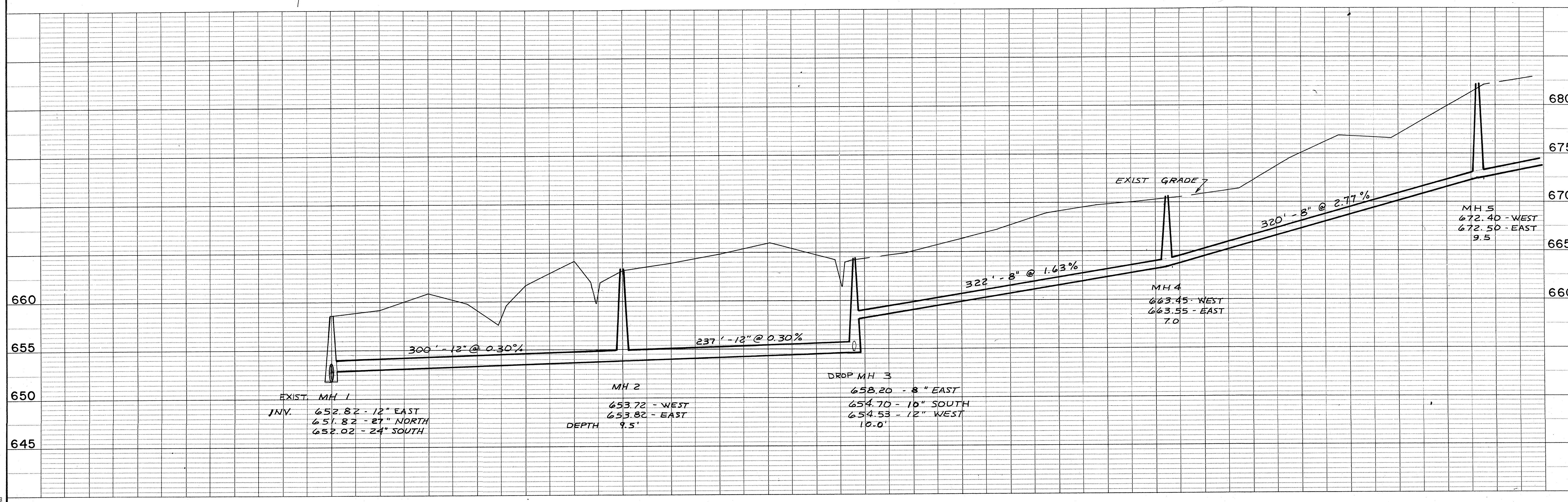
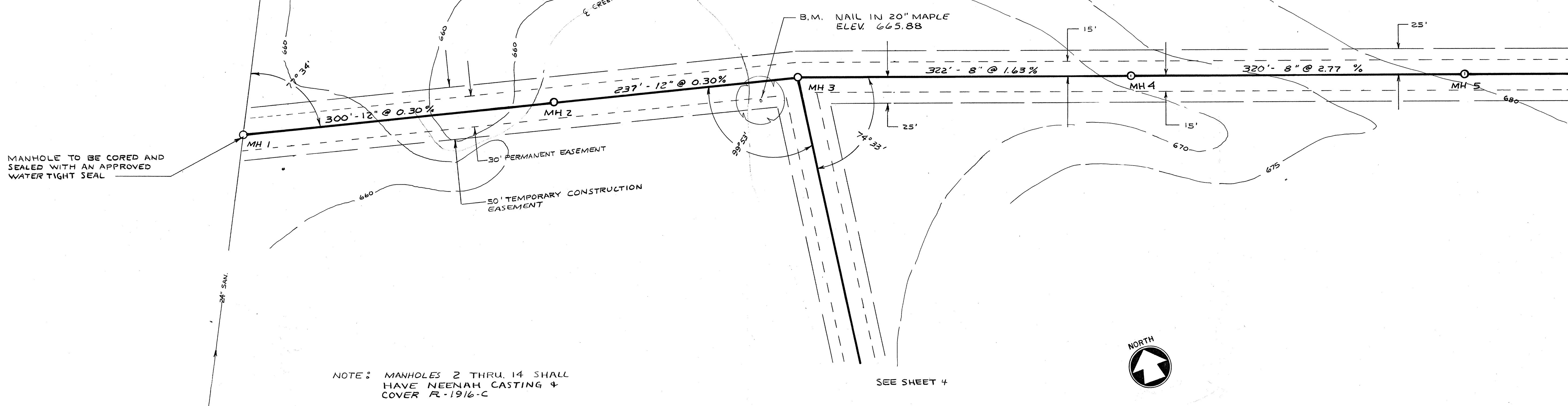
DESIGNED DRB
DRAWN KRH
CHECKED *DRB* 1/150'
SCALE HORIZ. 1/150'
VERT. 1/150'

DATE
SEPT., 1986

2

OF SHEETS

FILE NO.
M4-A-154

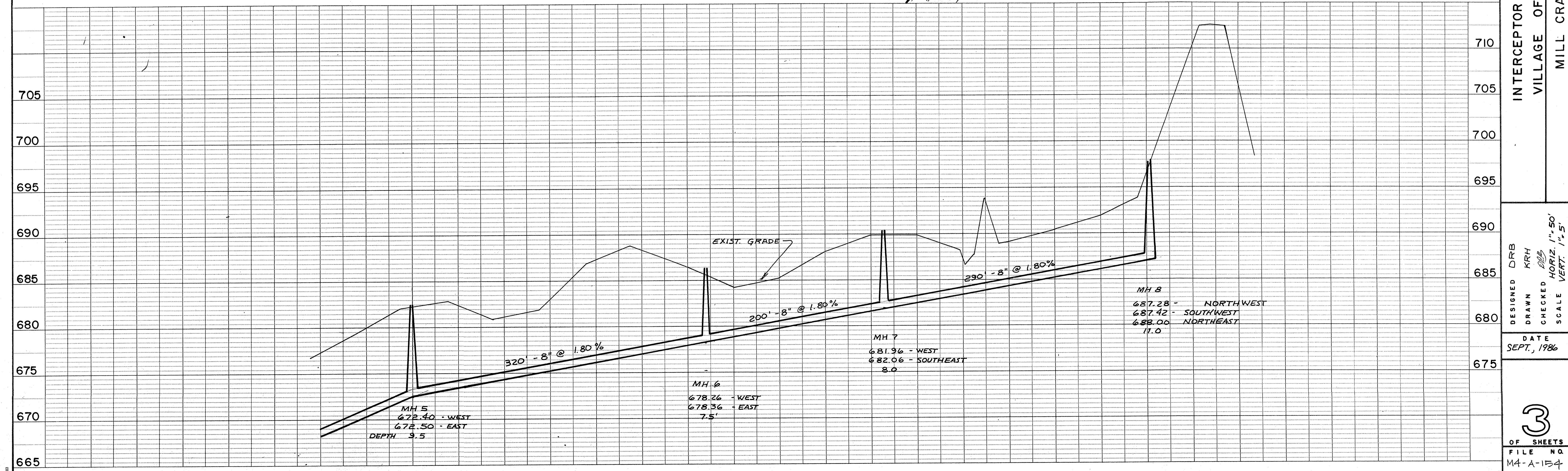
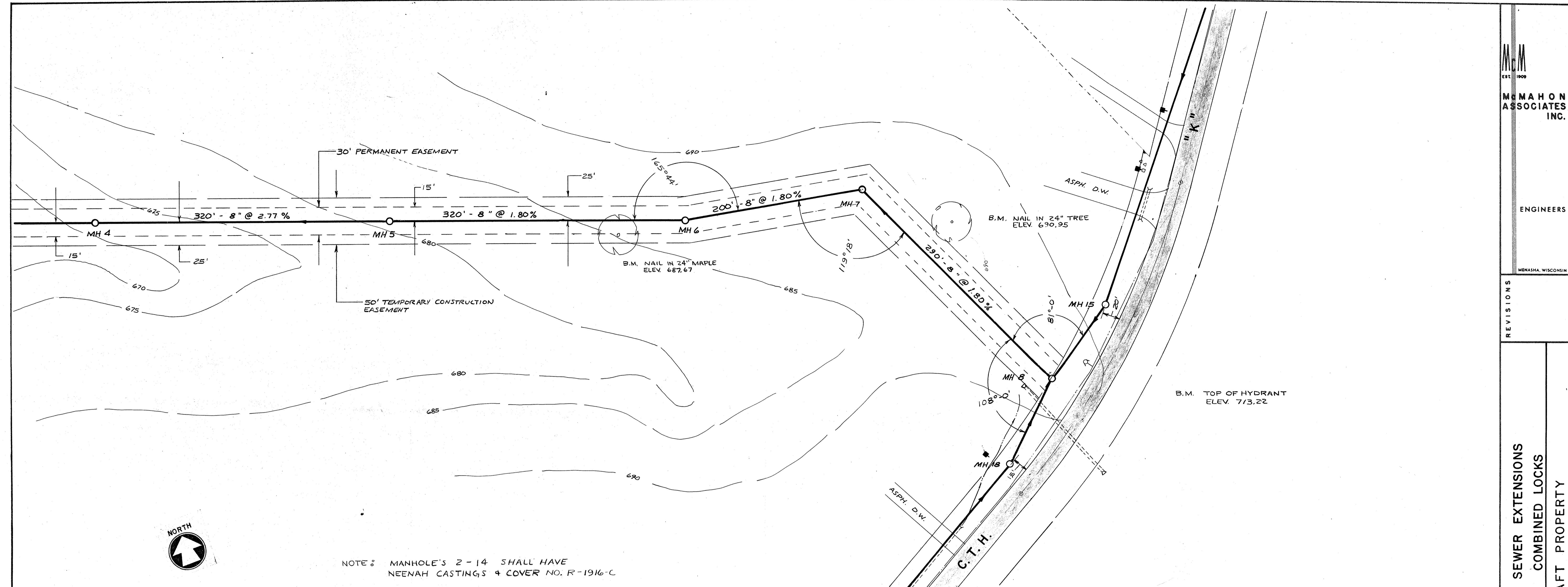


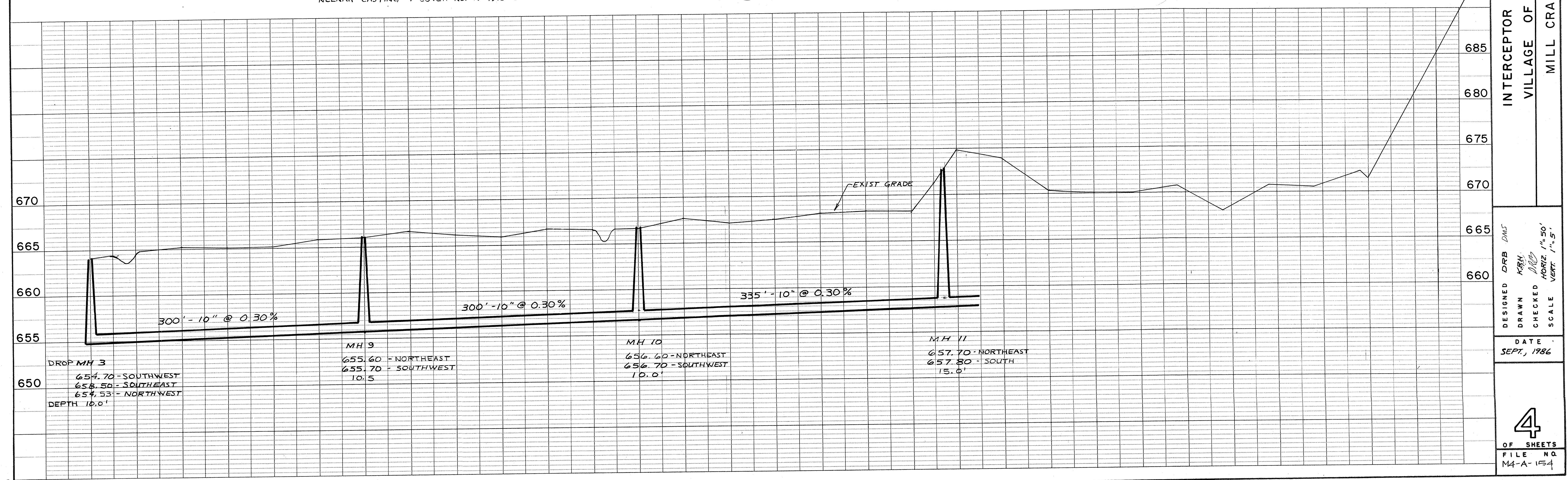
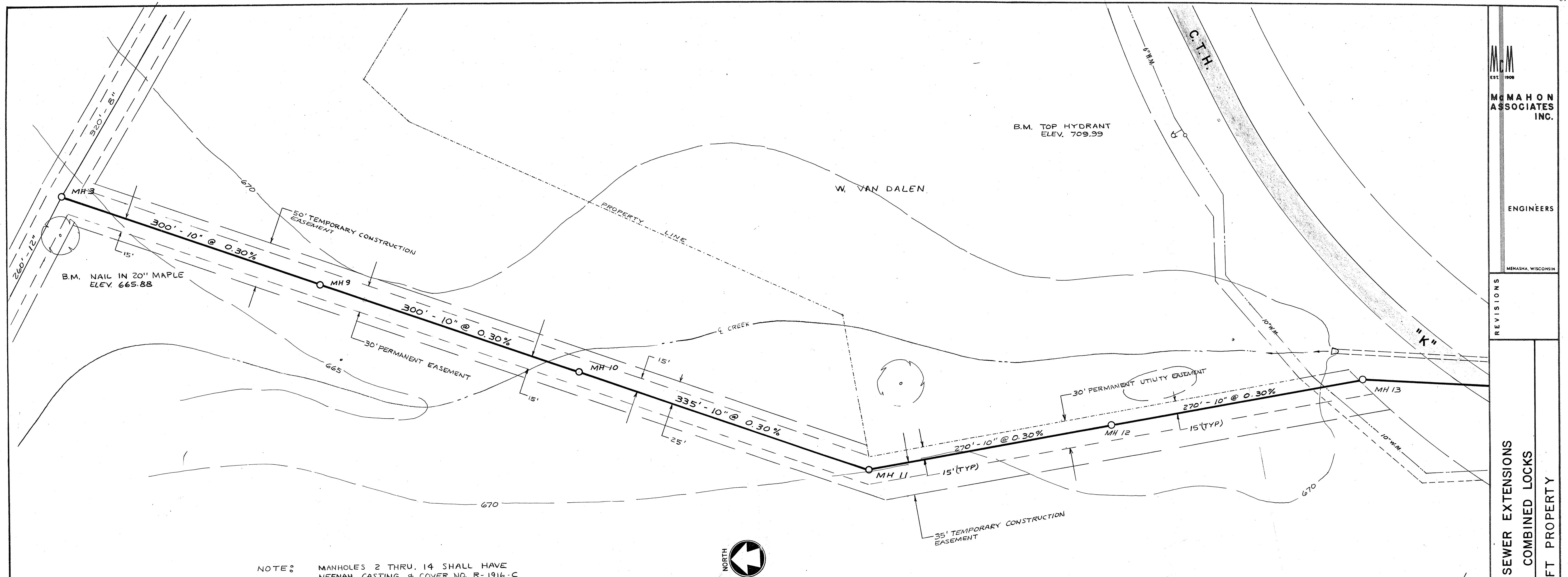
EST. 1909
MCMAHON
ASSOCIATES
INC.
ENGINEERS
MENASHA, WISCONSIN

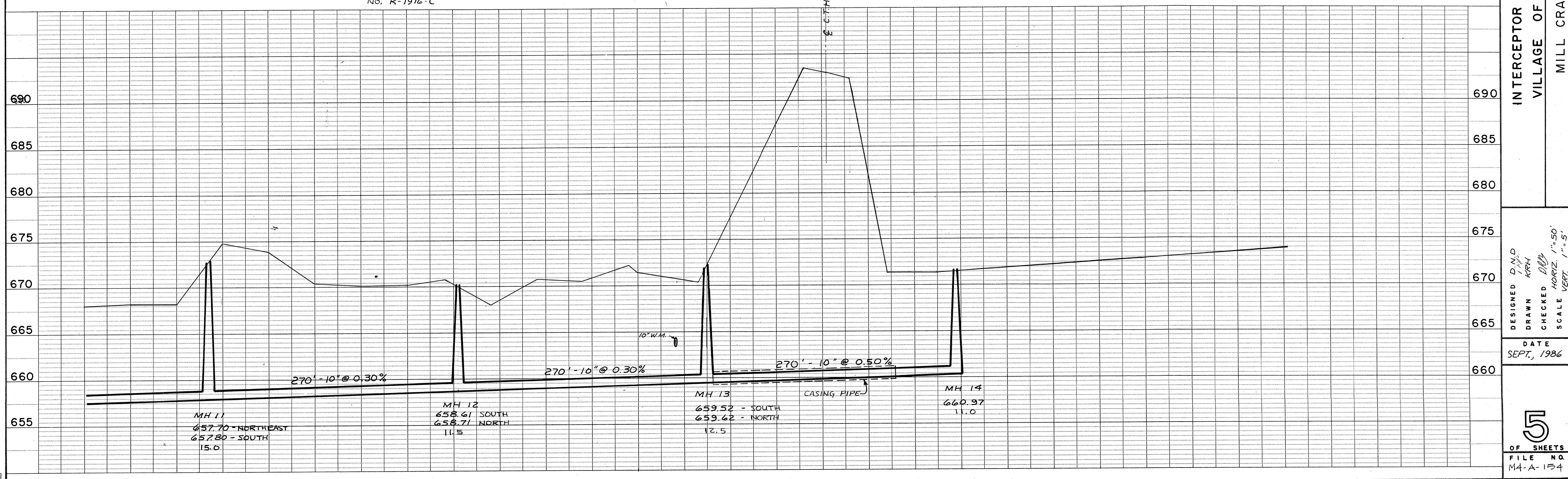
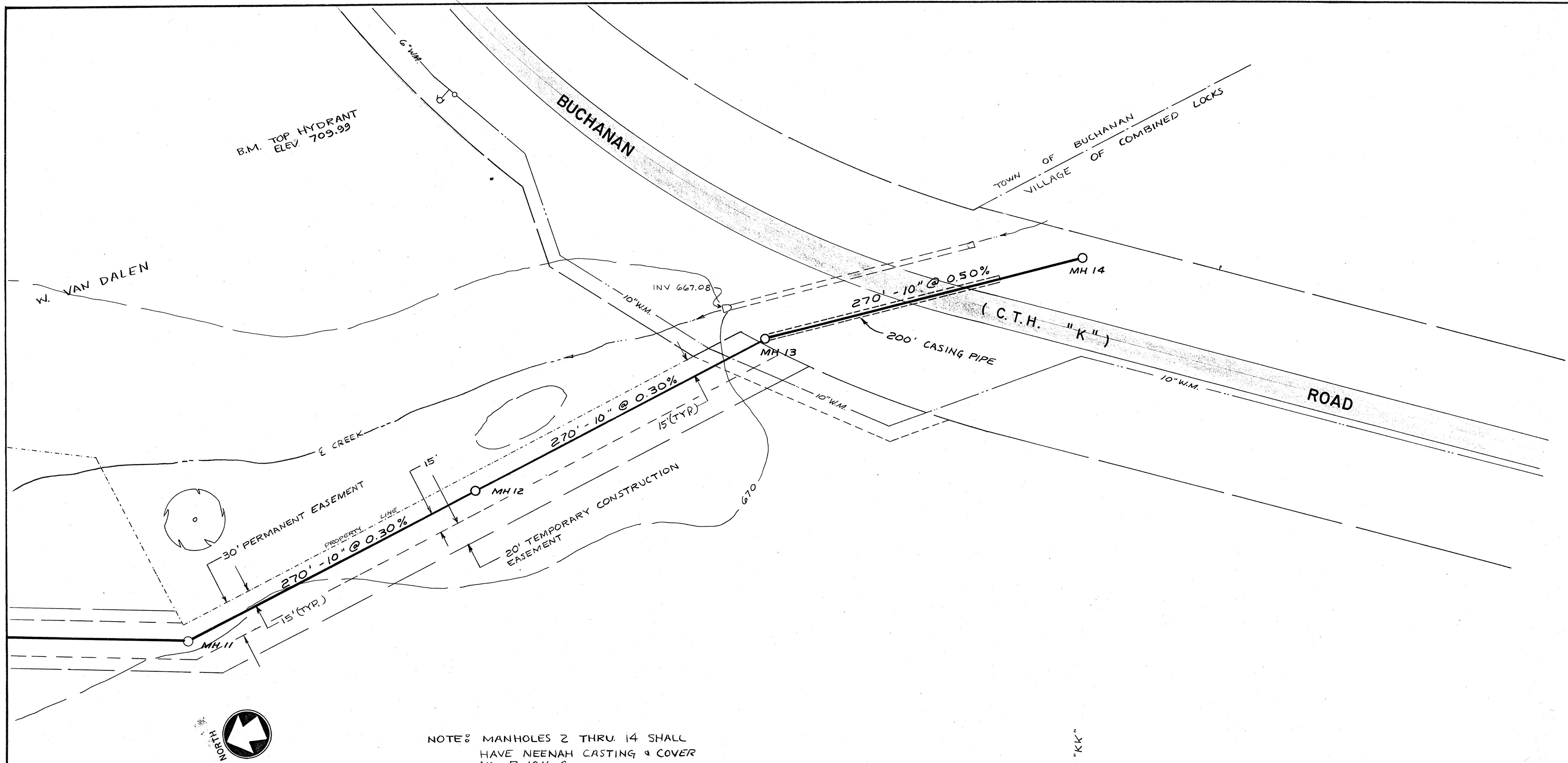
INTERCEPTOR SEWER EXTENSIONS
VILLAGE OF COMBINED LOCKS
MILL CRAFT PROPERTY

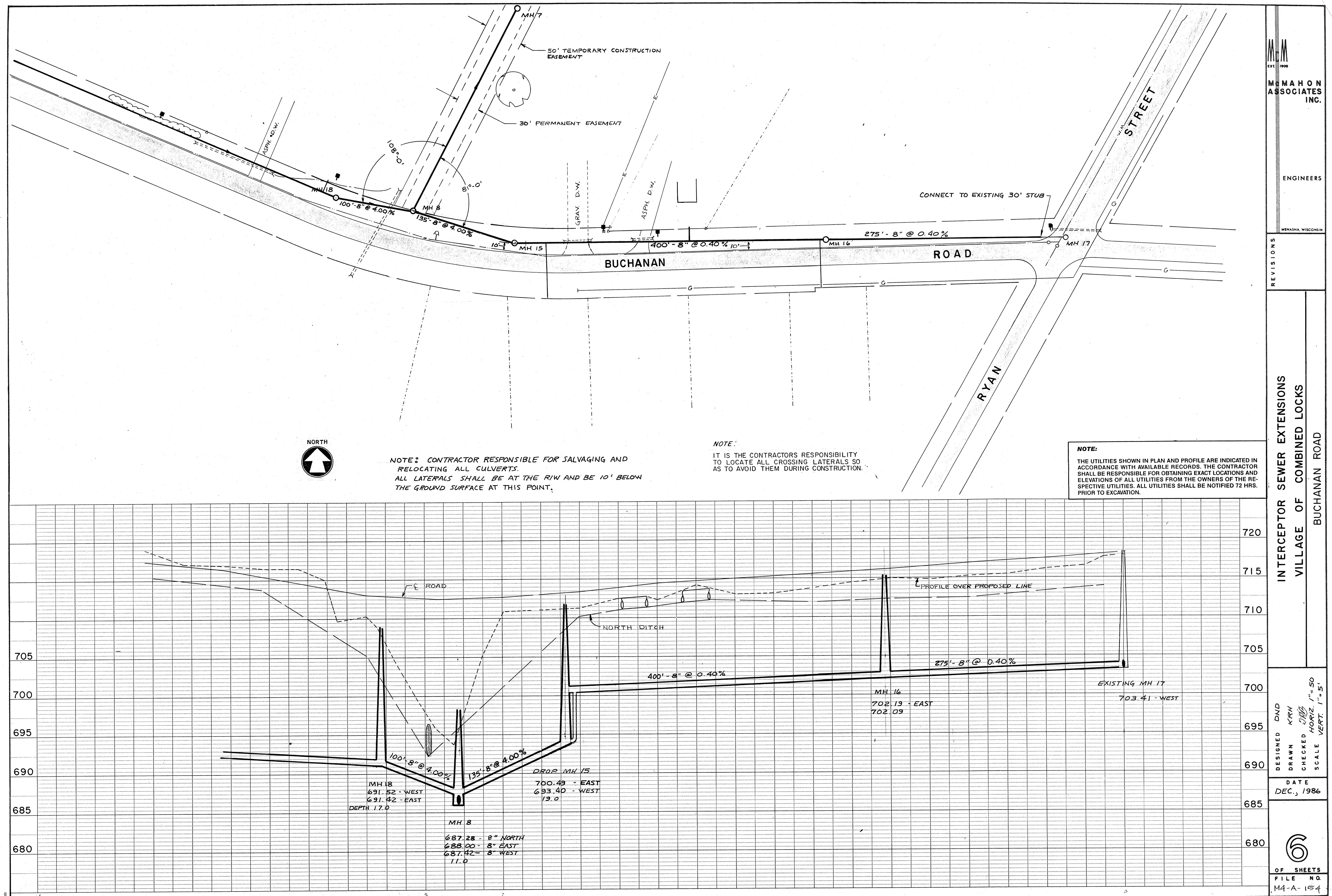
DESIGNED DRB
DRAWN KRH
CHECKED *DRB*
SCALE HORIZ. 1"-50'
VERT. 1"-5'

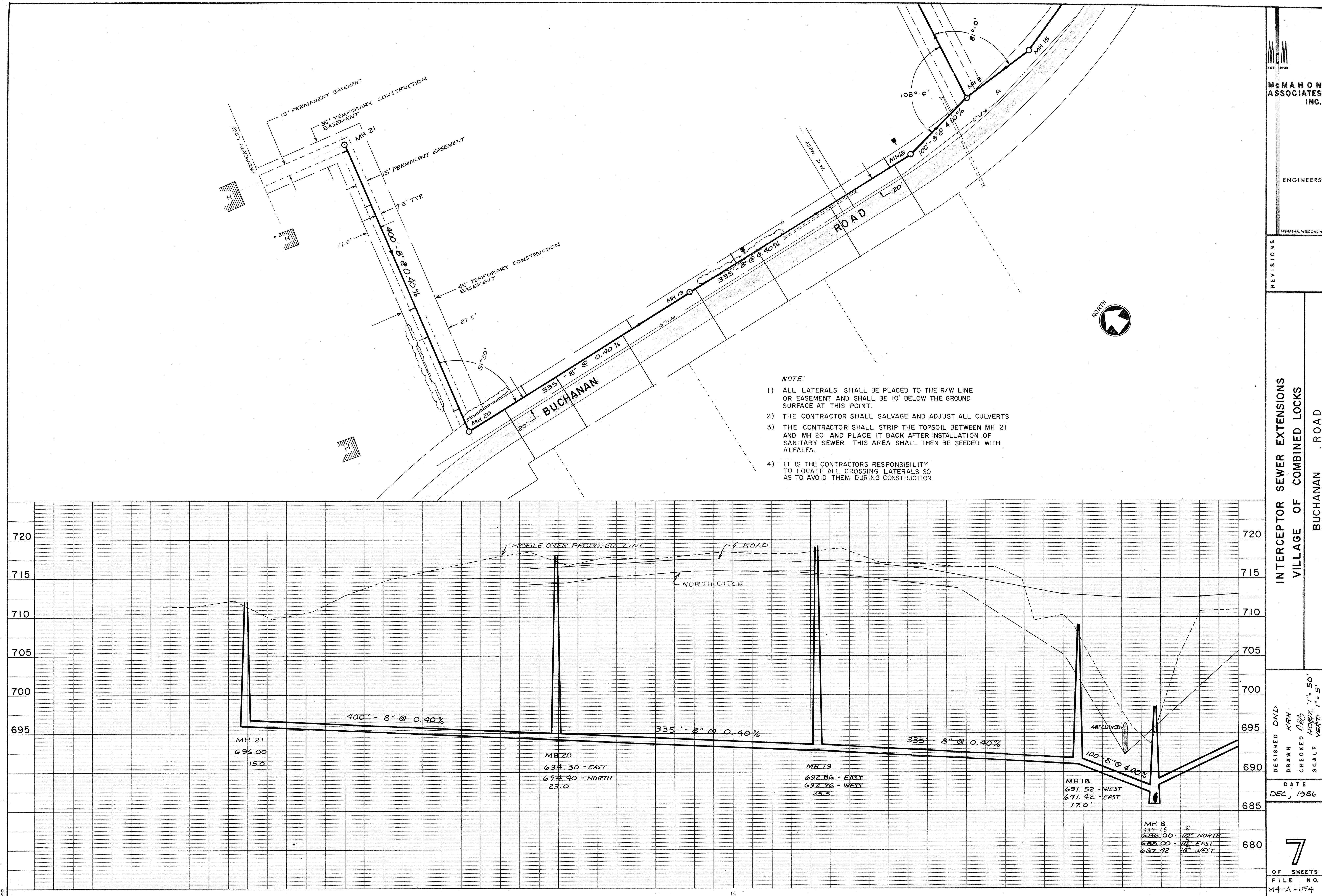
DATE
SEPT., 1986
OF SHEETS
FILE NO.
M4-A-154

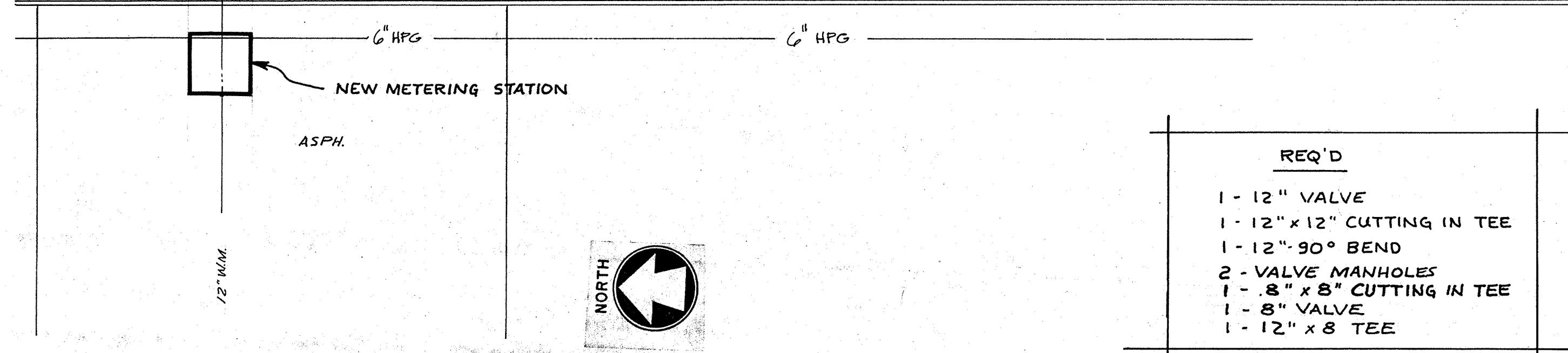
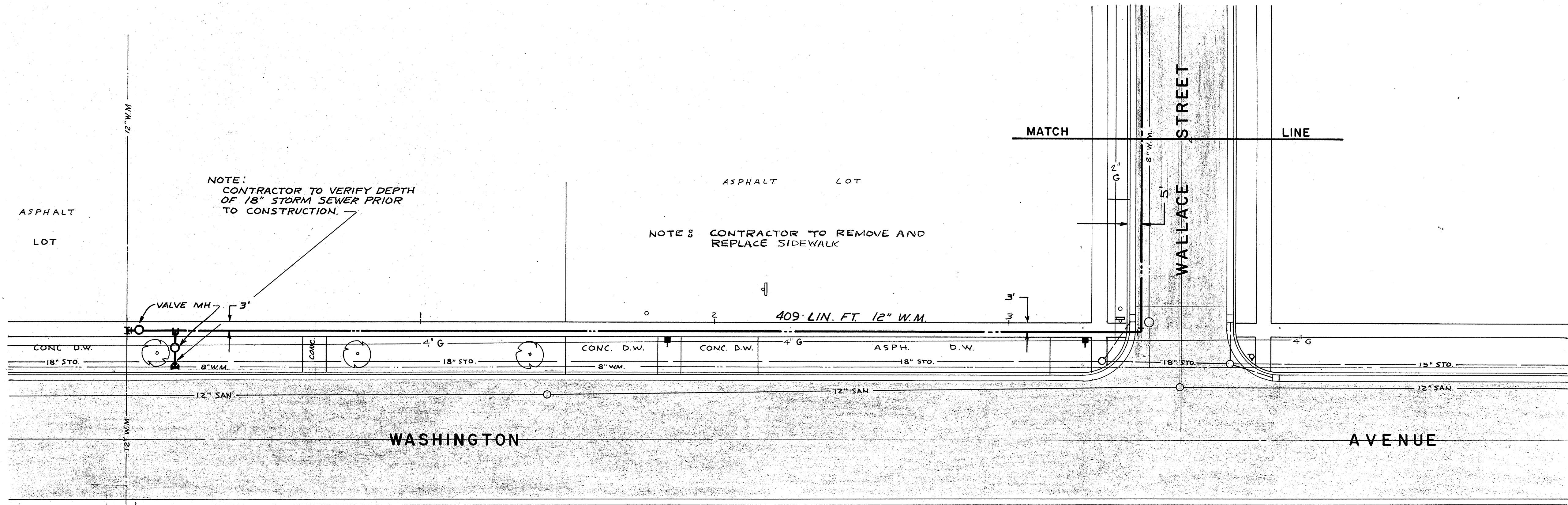










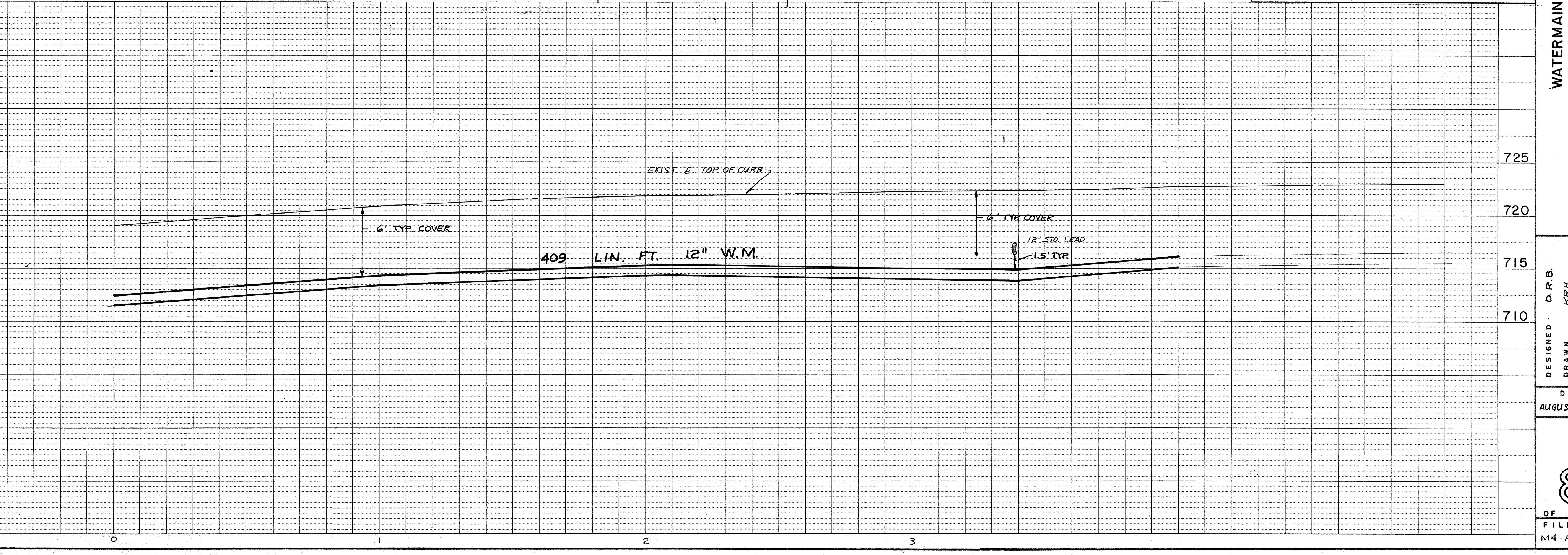


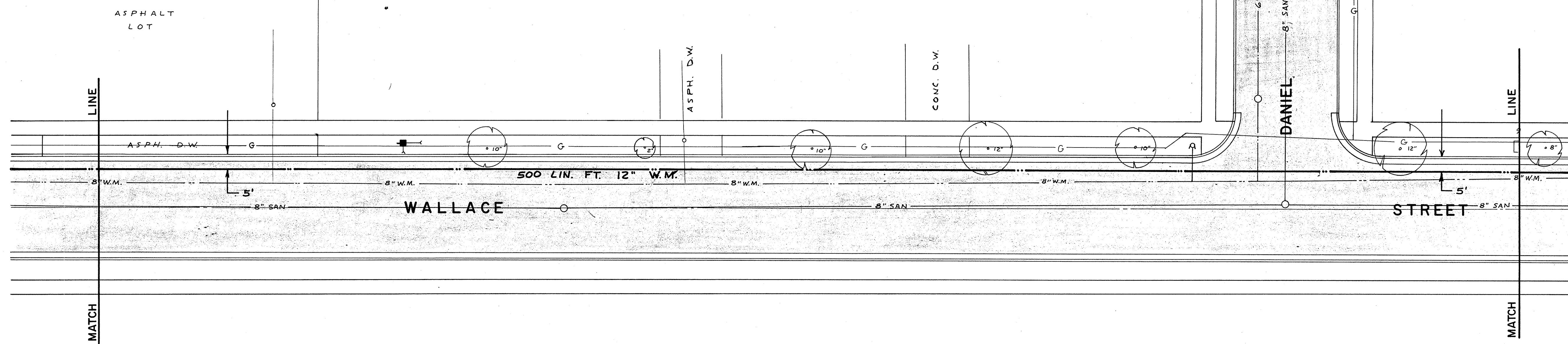
REQ'D

1 - 12" VALVE
1 - 12" x 12" CUTTING IN TEE
1 - 12" - 90° BEND
2 - VALVE MANHOLES
1 - .8" x .8" CUTTING IN TEE
1 - 8" VALVE
1 - 12" x 8 TEE

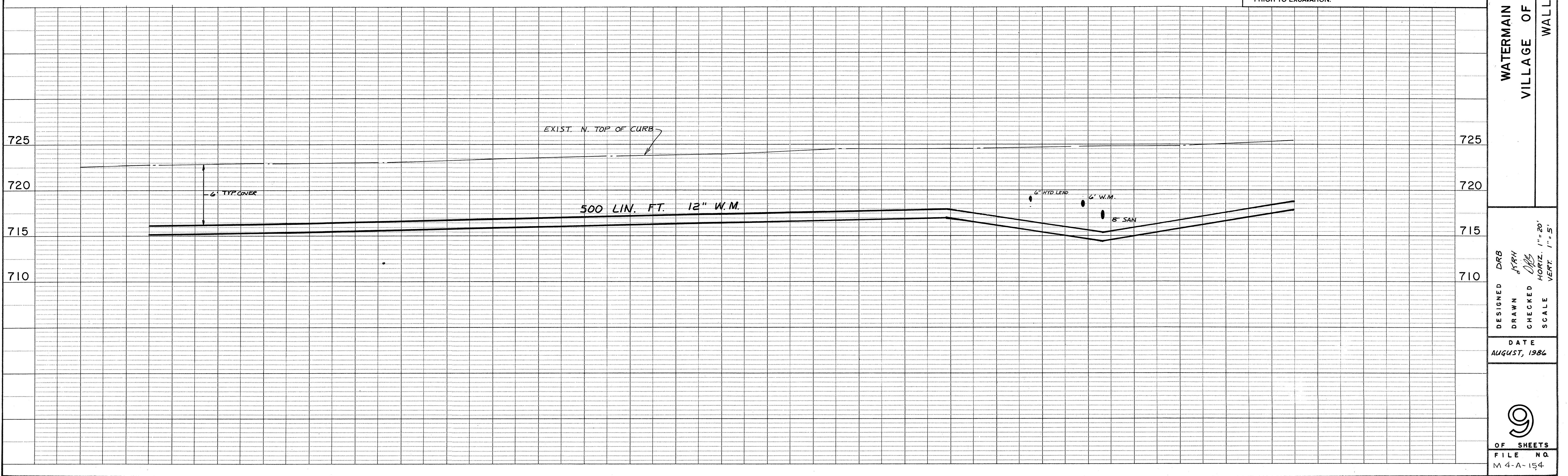
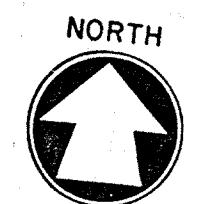
NOTE:
12" WATERMAIN SHALL BE CONSTRUCTED WITH
A MINIMUM OF 6 FEET OF COVER.
IT IS THE CONTRACTORS RESPONSIBILITY
TO LOCATE ALL CROSSING LATERALS SO AS
TO AVOID THEM DURING CONSTRUCTION.

NOTE:
THE UTILITIES SHOWN IN PLAN AND PROFILE ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES FROM THE OWNERS OF THE RESPECTIVE UTILITIES. ALL UTILITIES SHALL BE NOTIFIED 72 HRS. PRIOR TO EXCAVATION.





NOTE
12" WATERMAIN SHALL BE CONSTRUCTED
WITH A MINIMUM OF 6 FEET OF COVER.
IT IS THE CONTRACTORS RESPONSIBILITY
TO LOCATE ALL CROSSING LATERALS SO
AS TO AVOID THEM DURING CONSTRUCTION



MAHON
ASSOCIATES
INC.

ENGINEERS

MENASHA, WISCONSIN

REVISIONS

WATERMAIN CONSTRUCTION
VILLAGE OF COMBINED LOCKS
WALLACE STREET

DESIGNED DRB
DRAWN KKH
CHECKED JRS
SCALE HORIZ. 1/8" = 20'
VERT. 1/8" = 5'
DATE AUGUST, 1986

OF SHEETS
FILE NO.
M 4-A-154

EST. 1909
M. MAHON
ASSOCIATES
INC.

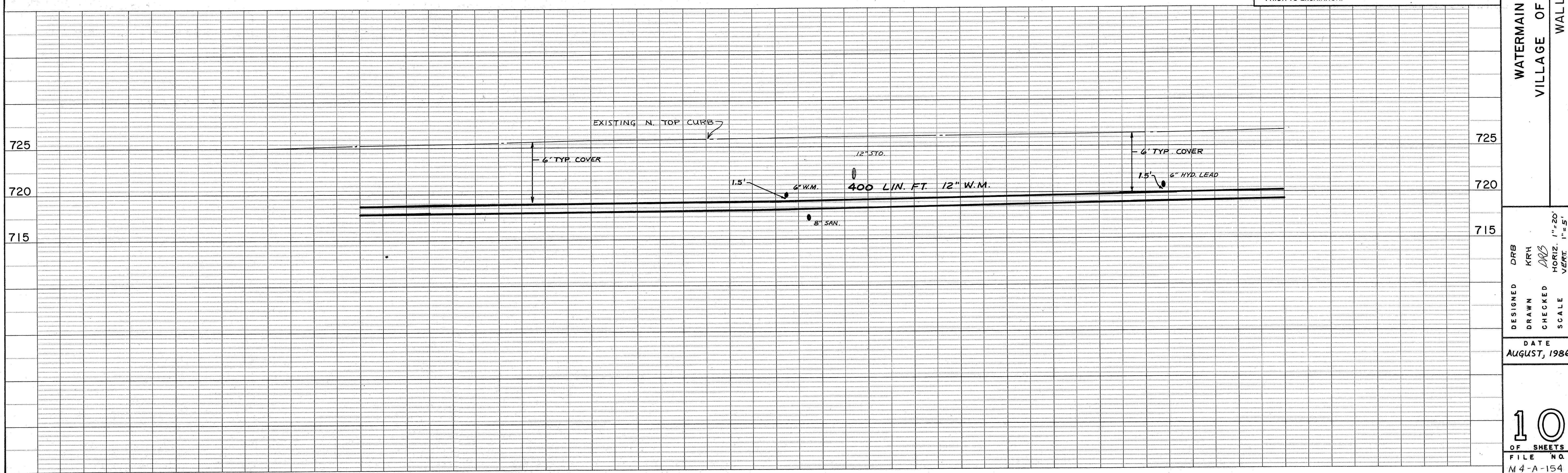
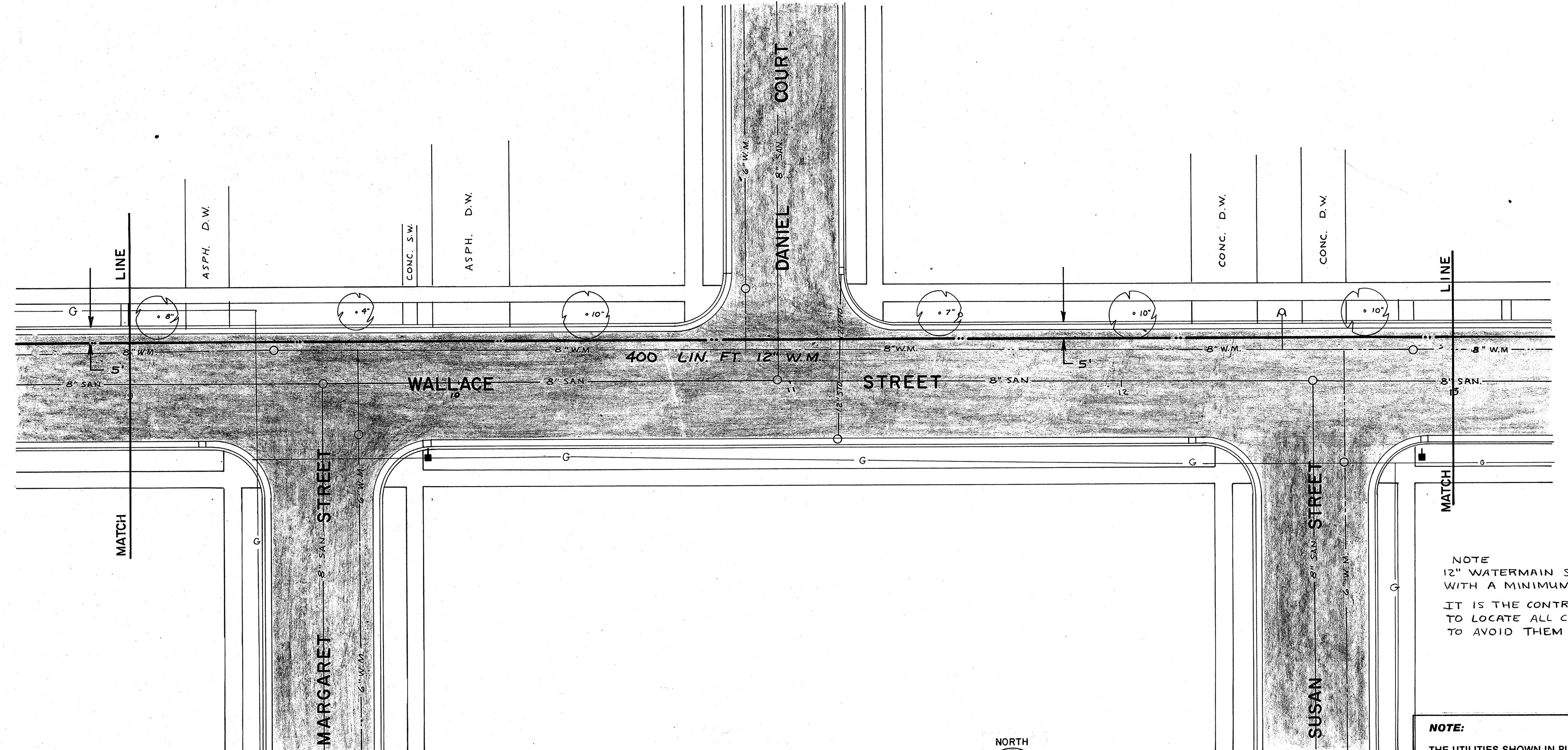
ENGINEERS

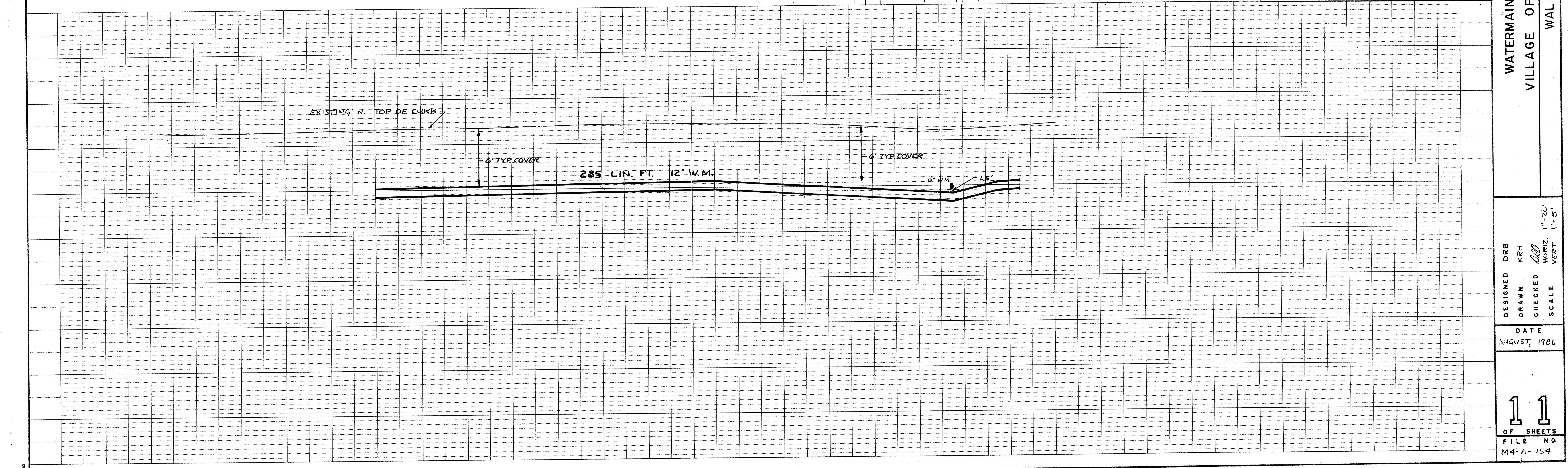
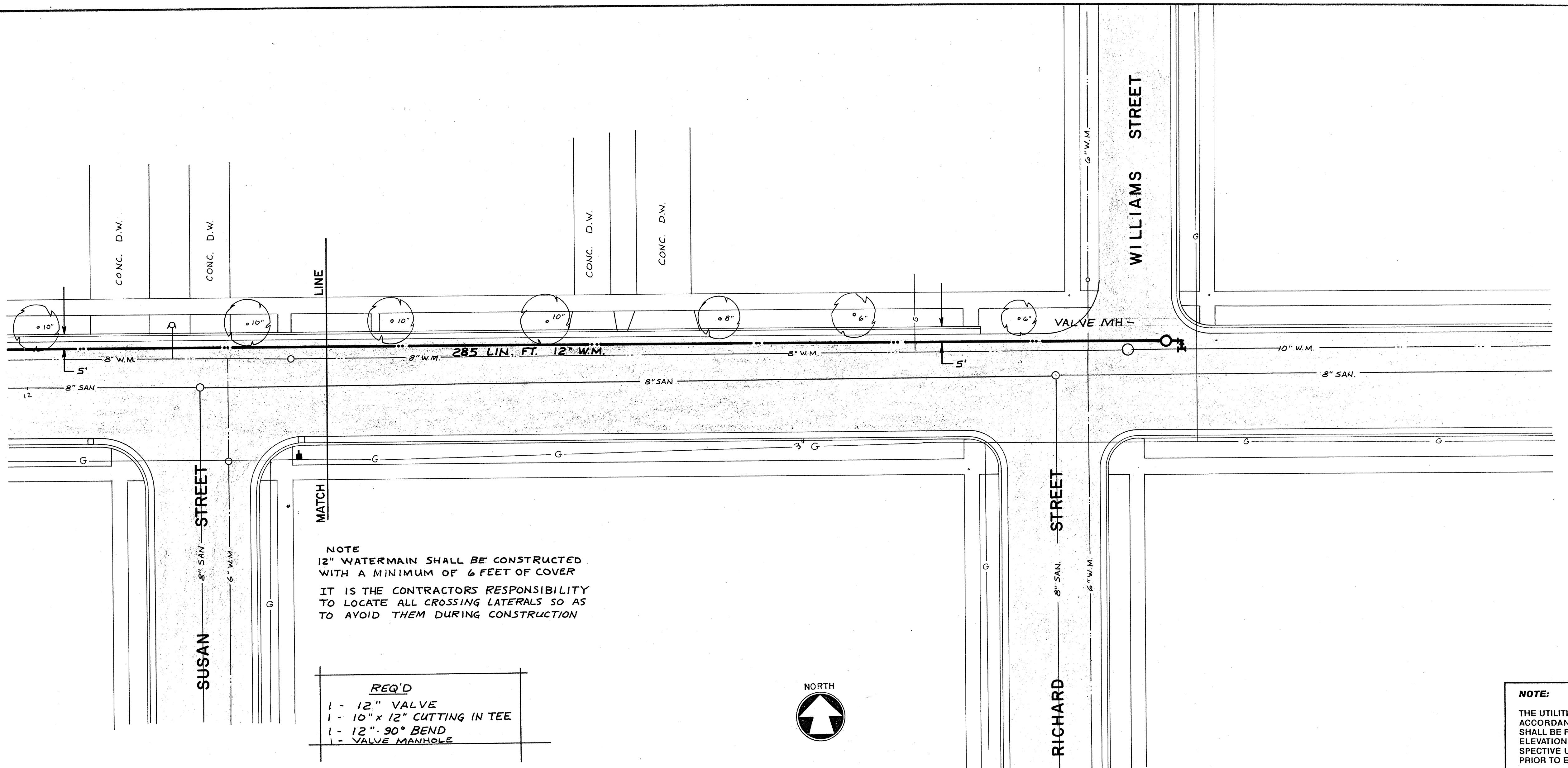
MENASHA, WISCONSIN

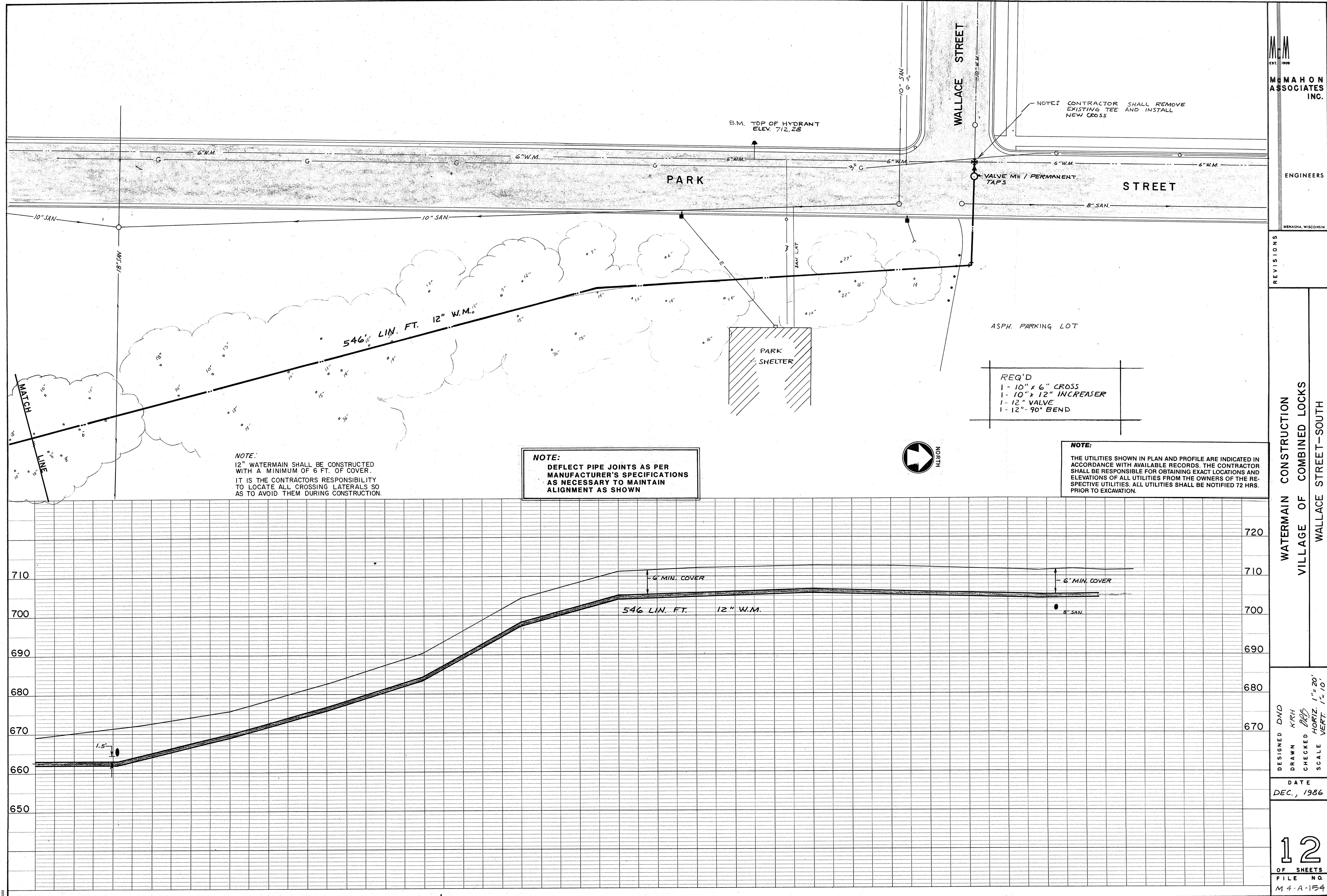
REVISIONS

WATERMAIN CONSTRUCTION
VILLAGE OF COMBINED LOCKS
WALLACE STREET

1
OF SHEETS
FILE NO.
M 4-A-154









REQ'D

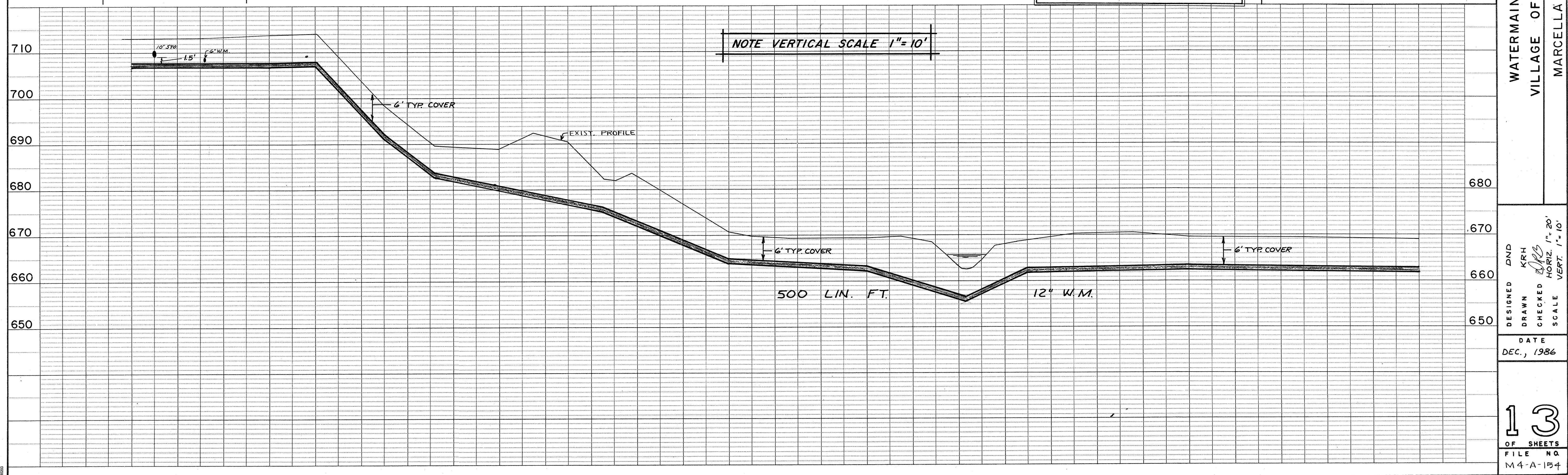
- 1 - 6" GATE VALVE
- 1 - 12" x 6" TEE
- 1 - 6" x 6" CUTTING-IN. TEE
- 1 - 12" VALVE
- 2 - VALVE MANHOLES
- 1 - 6" 90° BEND

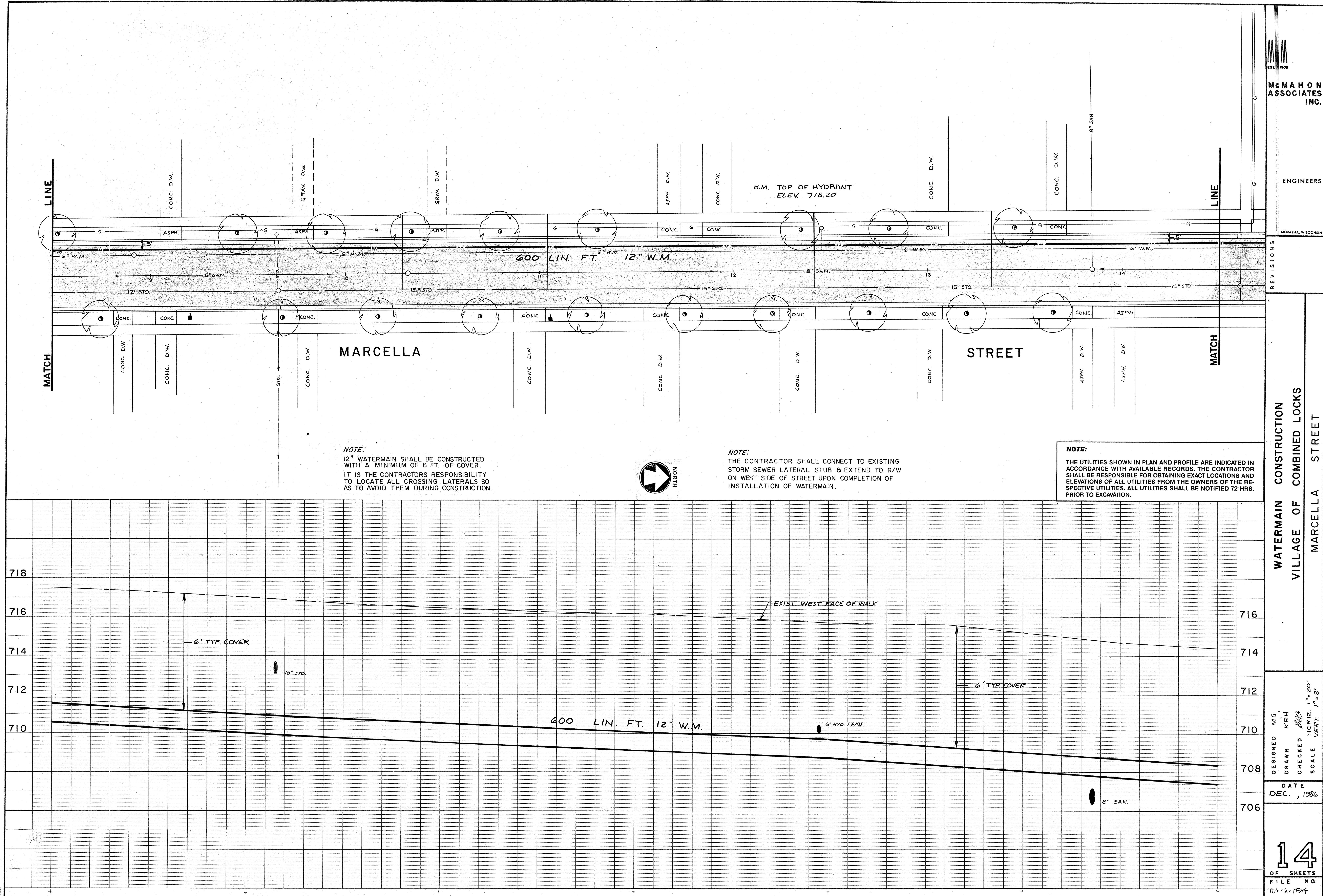
NOTE:
12" WATERMAIN SHALL BE CONSTRUCTED
WITH A MINIMUM OF 6 FT. OF COVER.
IT IS THE CONTRACTORS RESPONSIBILITY
TO LOCATE ALL CROSSING LATERALS SO
AS TO AVOID THEM DURING CONSTRUCTION.

A circular arrow symbol with the word "NORTH" written vertically along the right side of the circle.

NOTE:
**DEFLECT PIPE JOINTS AS PER
MANUFACTURER'S SPECIFICATIONS
AS NECESSARY TO MAINTAIN
ALIGNMENT AS SHOWN**

NOTE:
THE UTILITIES SHOWN IN PLAN AND PROFILE ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES FROM THE OWNERS OF THE RESPECTIVE UTILITIES. ALL UTILITIES SHALL BE NOTIFIED 72 HRS. PRIOR TO EXCAVATION.





MENNAHON
ASSOCIATES
INC.

ENGINEERS

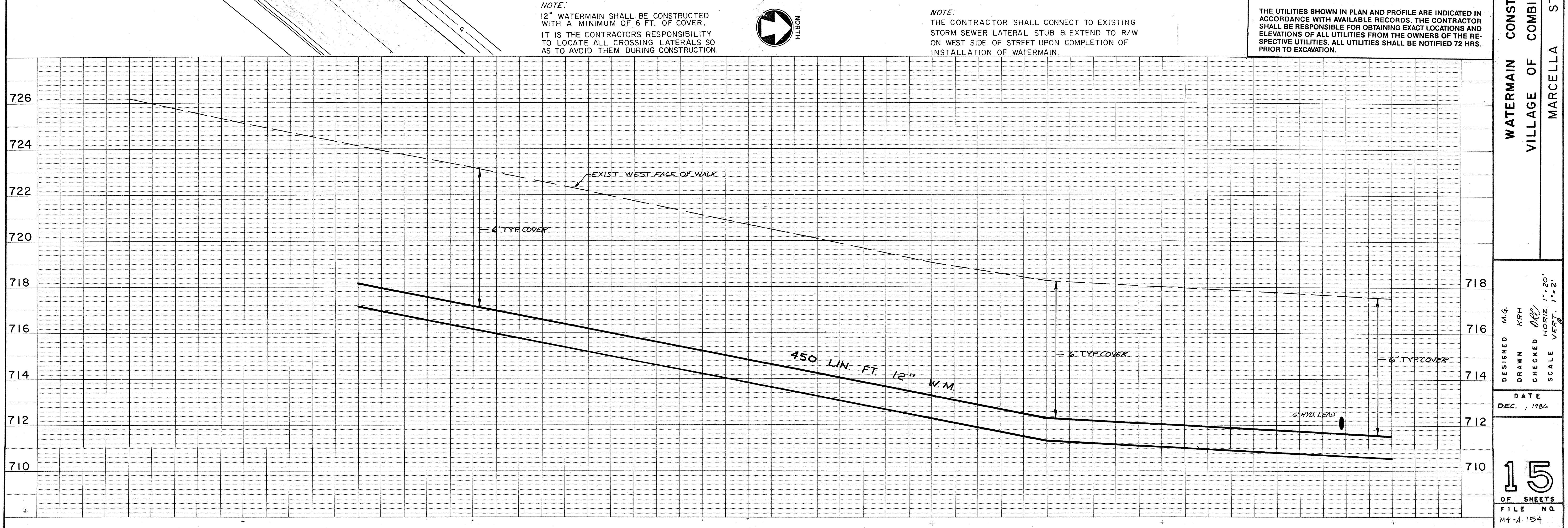
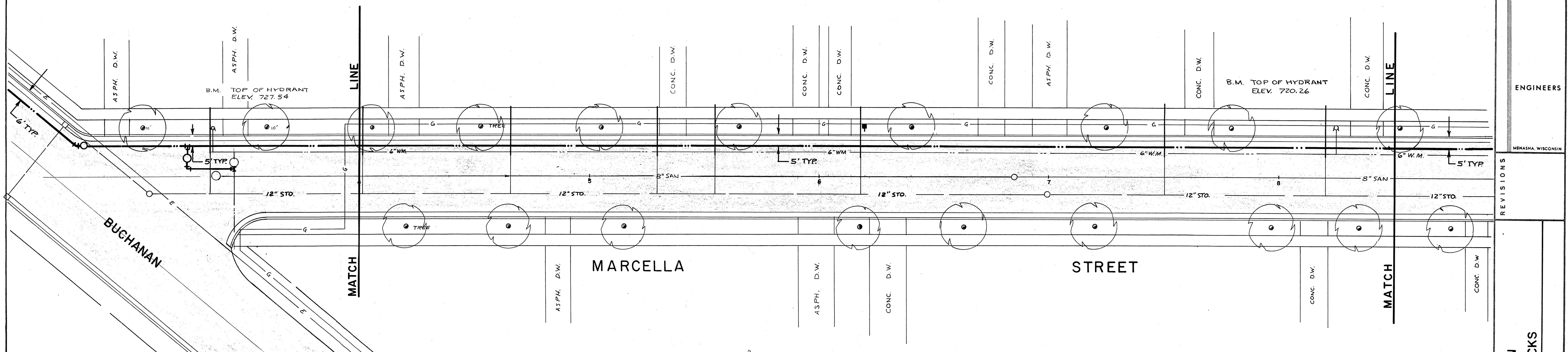
MENASHA, WISCONSIN

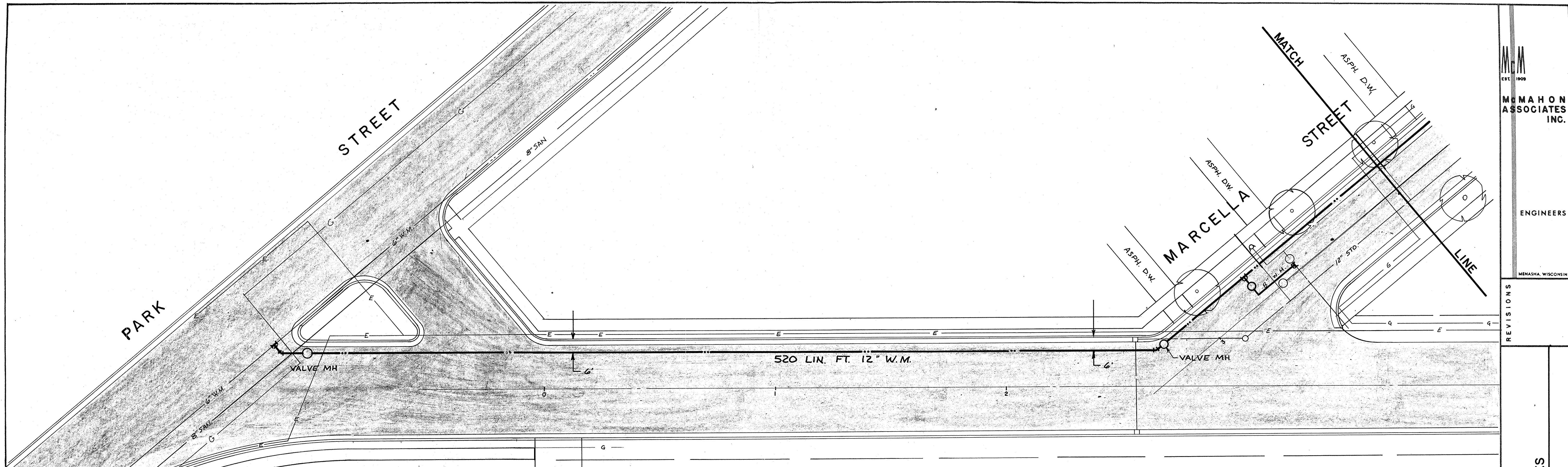
REVISIONS

WATERMAIN
CONSTRUCTION
VILLAGE OF COMBINED LOCKS
MARCELLA STREET

DESIGNED M.G.
DRAWN KRH
CHECKED H.R.
SCALE 1" = 20'
VERT. 1" = 2'

1
5
OF SHEETS
FILE N.O.
M4-A-154





EST. 1959
MENAHAN ASSOCIATES INC.

ENGINEERS

MENASHA, WISCONSIN

REVISIONS

WATERMAIN CONSTRUCTION
VILLAGE OF COMBINED LOCKS
BUCHANAN STREET

BUCHANAN

BUCHANAN

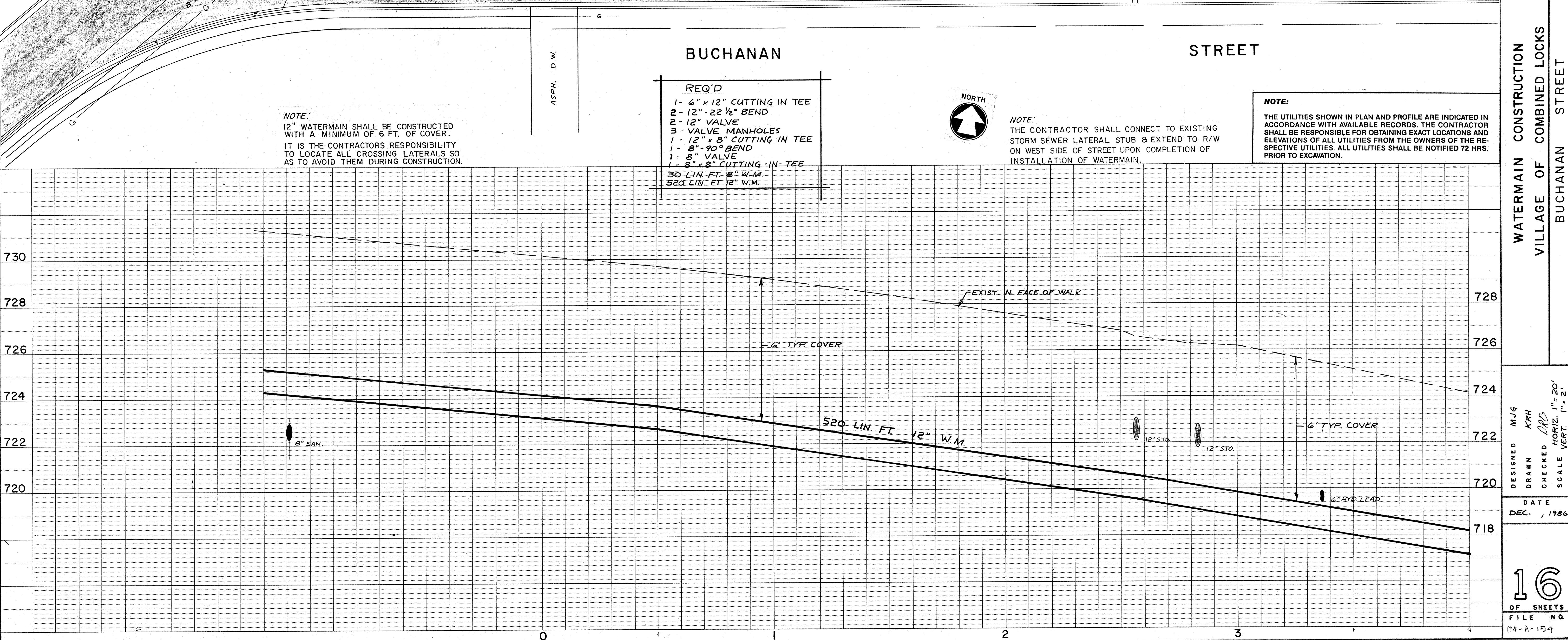


REQ'D

- 1 - 6" 12" CUTTING IN TEE
- 2 - 12" 22 1/2° BEND
- 2 - 12" VALVE
- 3 - VALVE MANHOLES
- 1 - 12" x 8" CUTTING IN TEE
- 1 - 8" 90° BEND
- 1 - 8" VALVE
- 1 - 8" x 8" CUTTING-IN-TEE
- 30 LIN. FT. 8" W.M.
- 520 LIN. FT. 12" W.M.

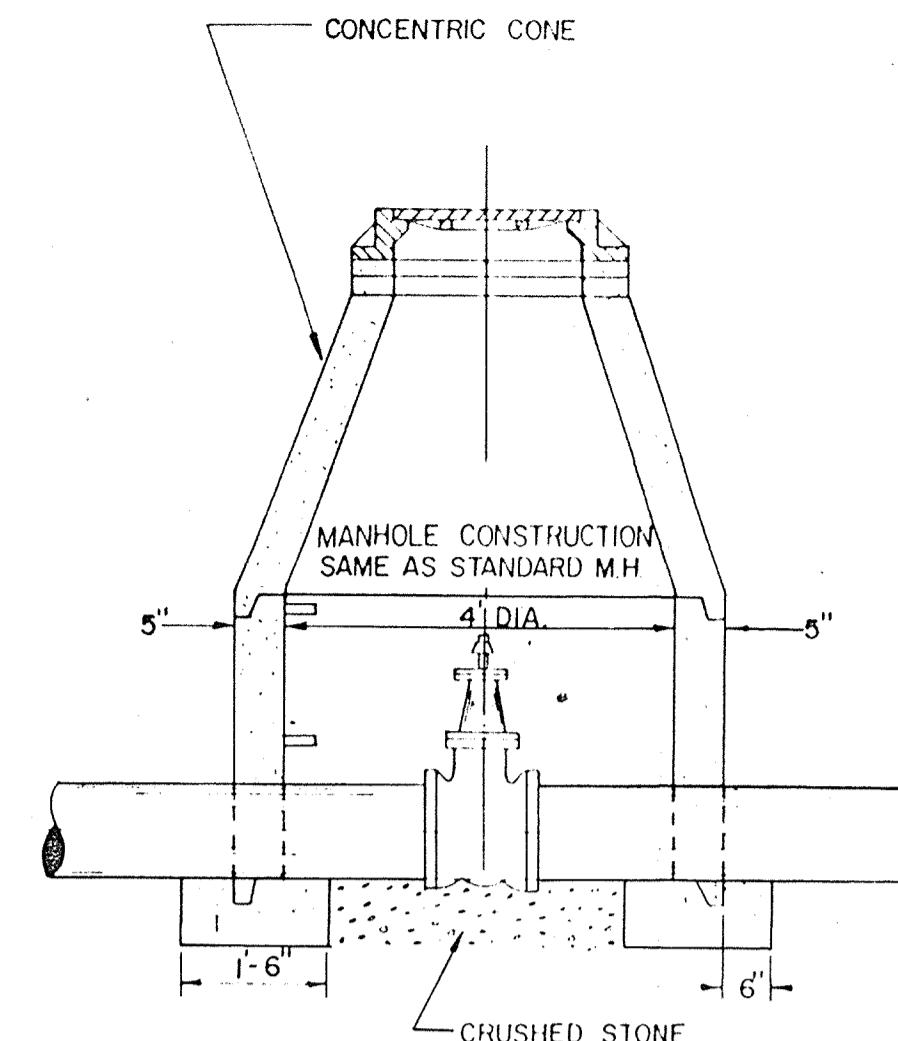
NOTE:
12" WATERMAIN SHALL BE CONSTRUCTED
WITH A MINIMUM OF 6 FT. OF COVER.
IT IS THE CONTRACTORS RESPONSIBILITY
TO LOCATE ALL CROSSING LATERALS SO
AS TO AVOID THEM DURING CONSTRUCTION.

NOTE:
THE CONTRACTOR SHALL CONNECT TO EXISTING
STORM SEWER LATERAL STUB & EXTEND TO R/W
ON WEST SIDE OF STREET UPON COMPLETION OF
INSTALLATION OF WATERMAIN.



DESIGNED MJG
DRAWN KRB
CHECKED *[initials]*
SCALE HORIZ. 1" = 20'
VERT. 1" = 2'

1 OF SHEETS
FILE NO. MA-R-154
DATE DEC. 1, 1986

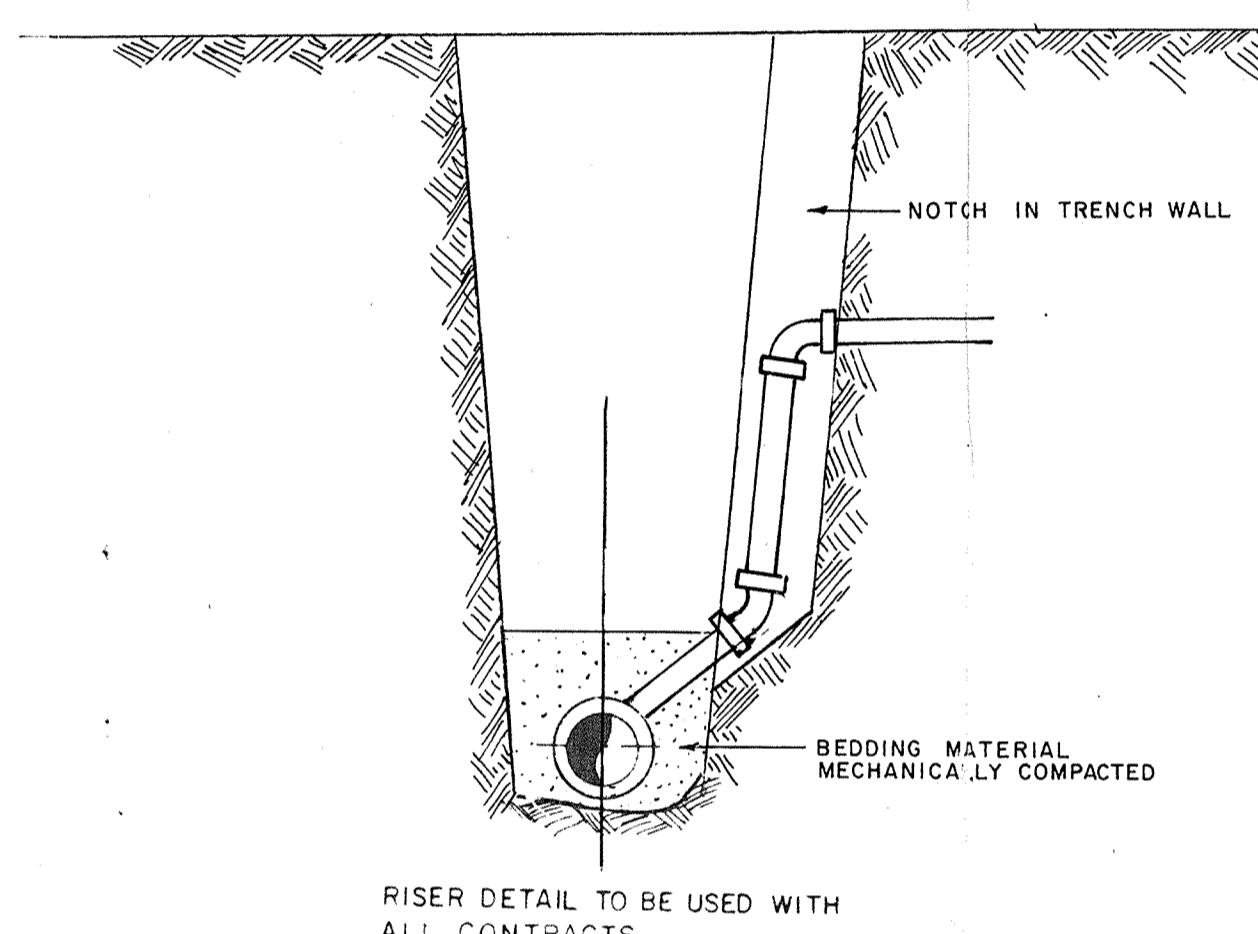


STANDARD WATER VALVE MANHOLE

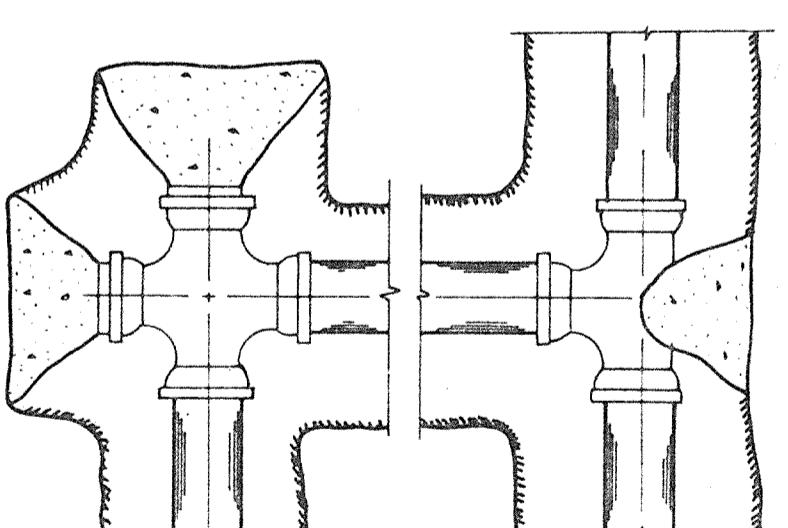
SCALE 1/2"=1'-0"

TYPICAL PIPE INSULATION SECTION

SCALE 1/2"=1'-0"

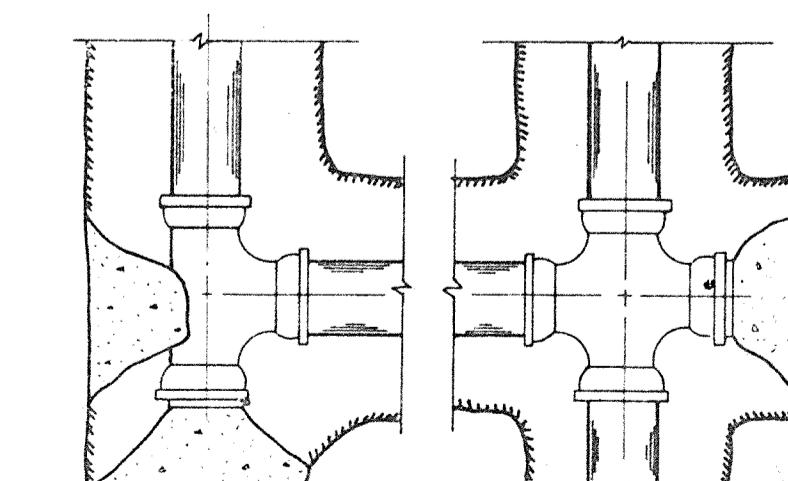


SANITARY SEWER RISER DETAIL



STANDARD PRECAST MANHOLE

SCALE 1/2"=1'-0"



PIPE SIZE	MIN THRUST BLOCK AREA REQ'D.
6"	90° BEND 3 SQ. FT.
8"	5 SQ. FT.
10"	7 SQ. FT.
12"	10 SQ. FT.
14"	8 SQ. FT.

TYPICAL THRUST BLOCK DETAILS

SCALE 1/2"=1'-0"

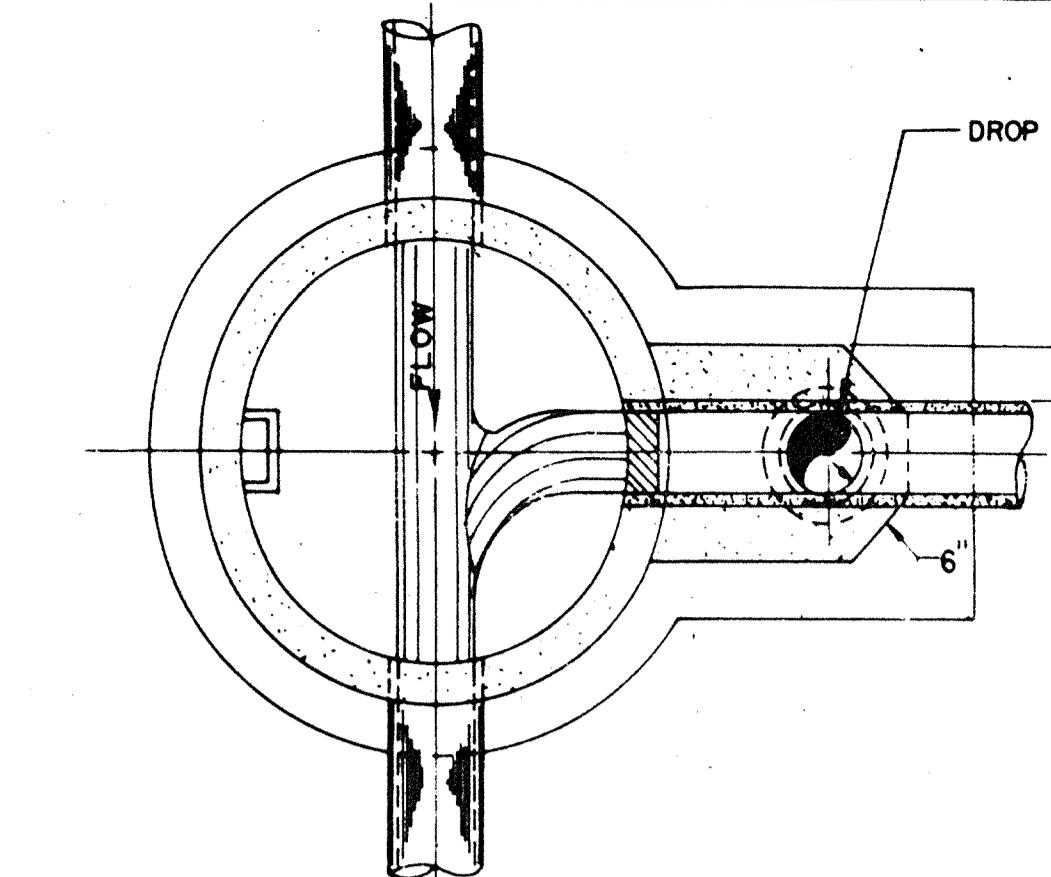
STANDARD GATE VALVE & VALVE BOX SETTING

NO SCALE

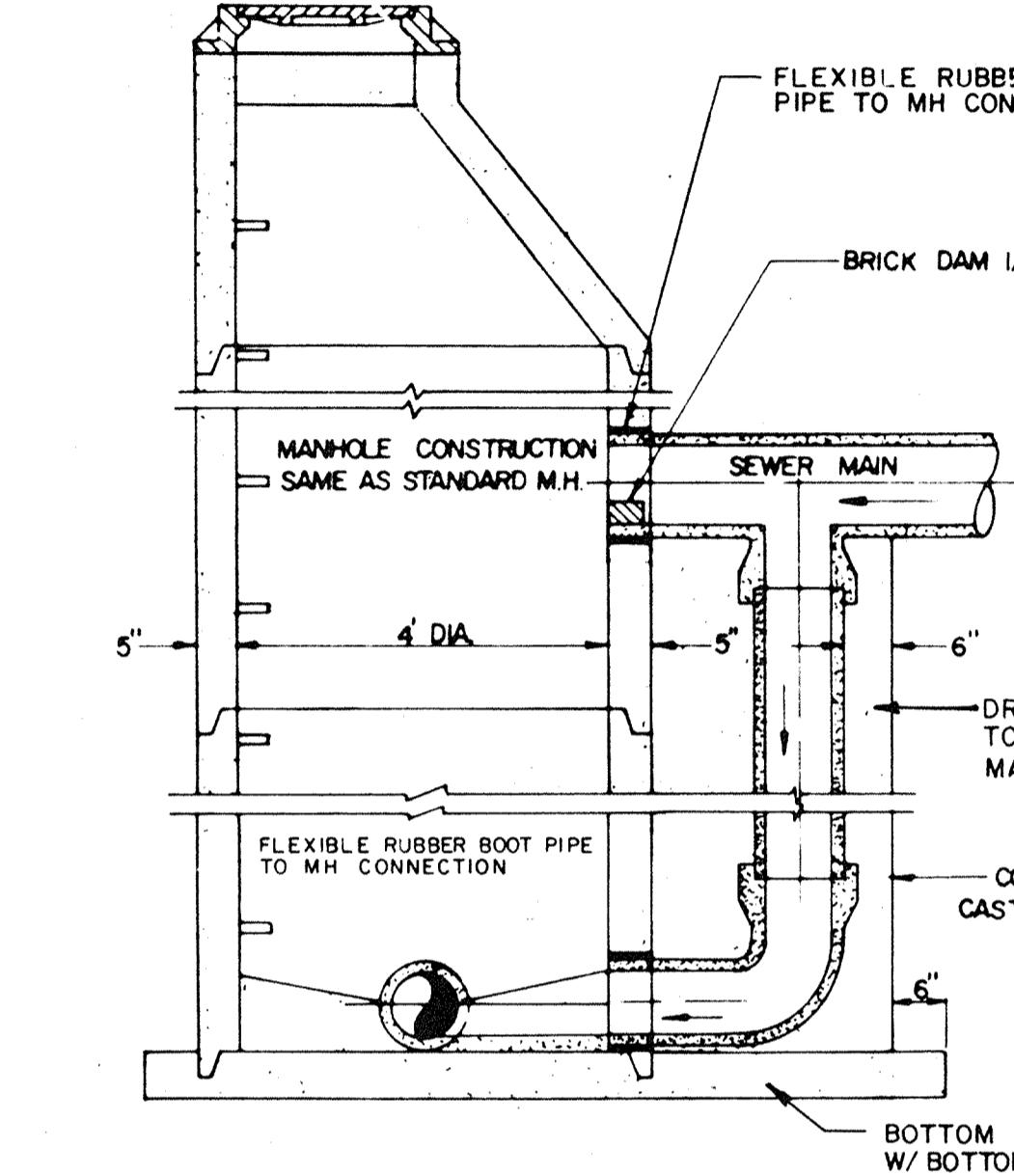
HYDRANT INSTALLATION DETAIL

SCALE 1/2"=1'-0"

TYPICAL HOUSE CONNECTION SEWER & WATER

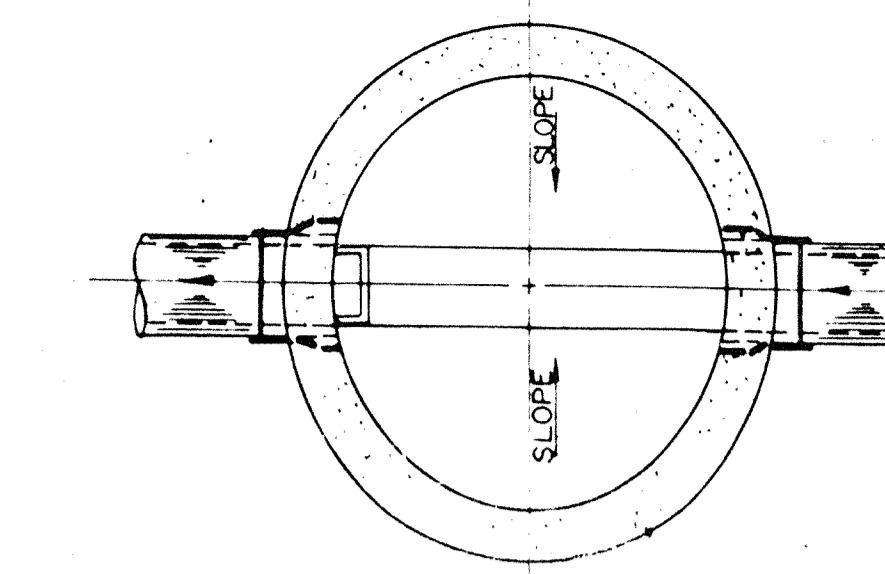


NEENAH FOUNDRY No R-1916-C
OR EQUAL

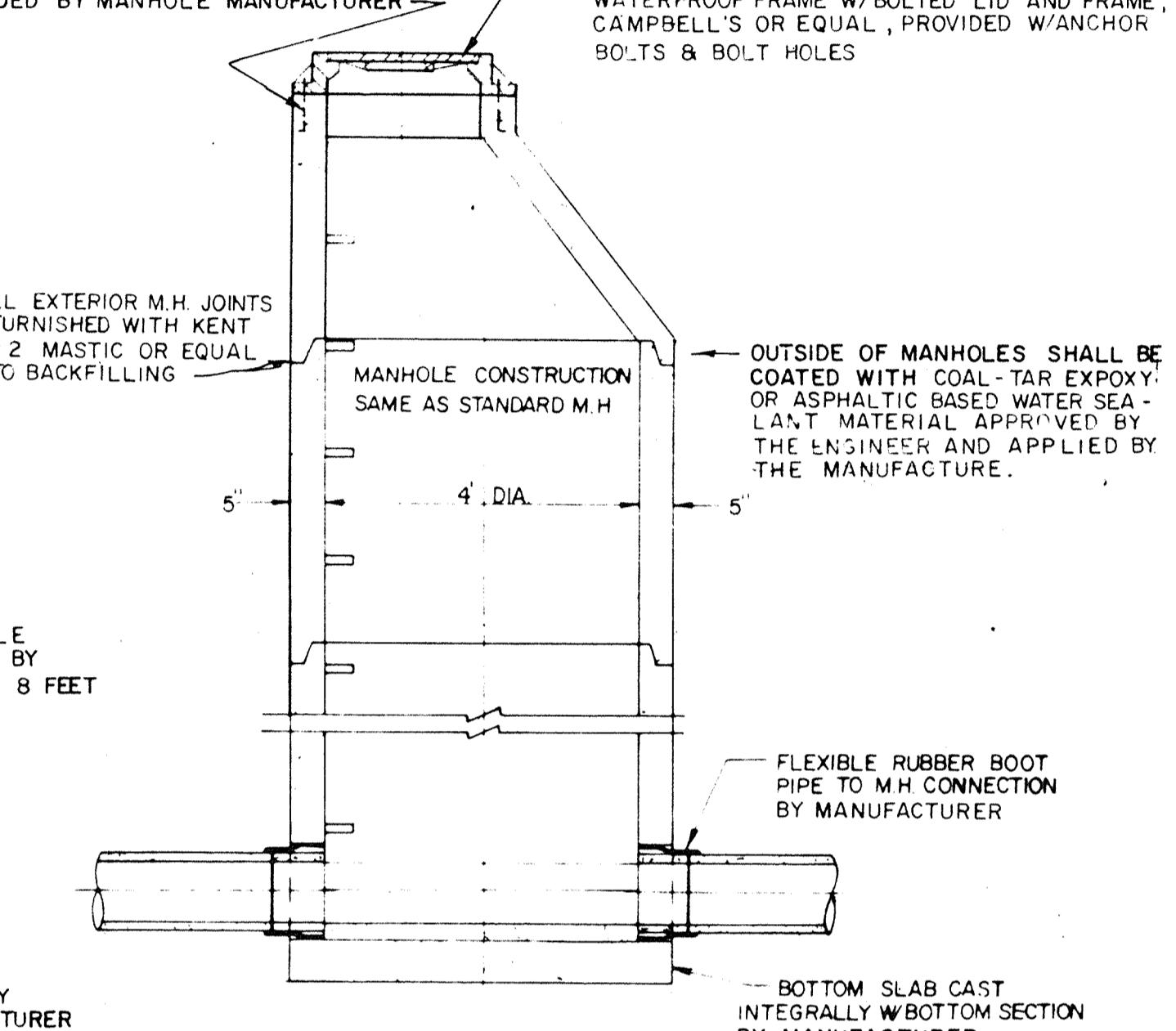


STANDARD PRECAST DROP MANHOLE

SCALE 1/2"=1'-0"

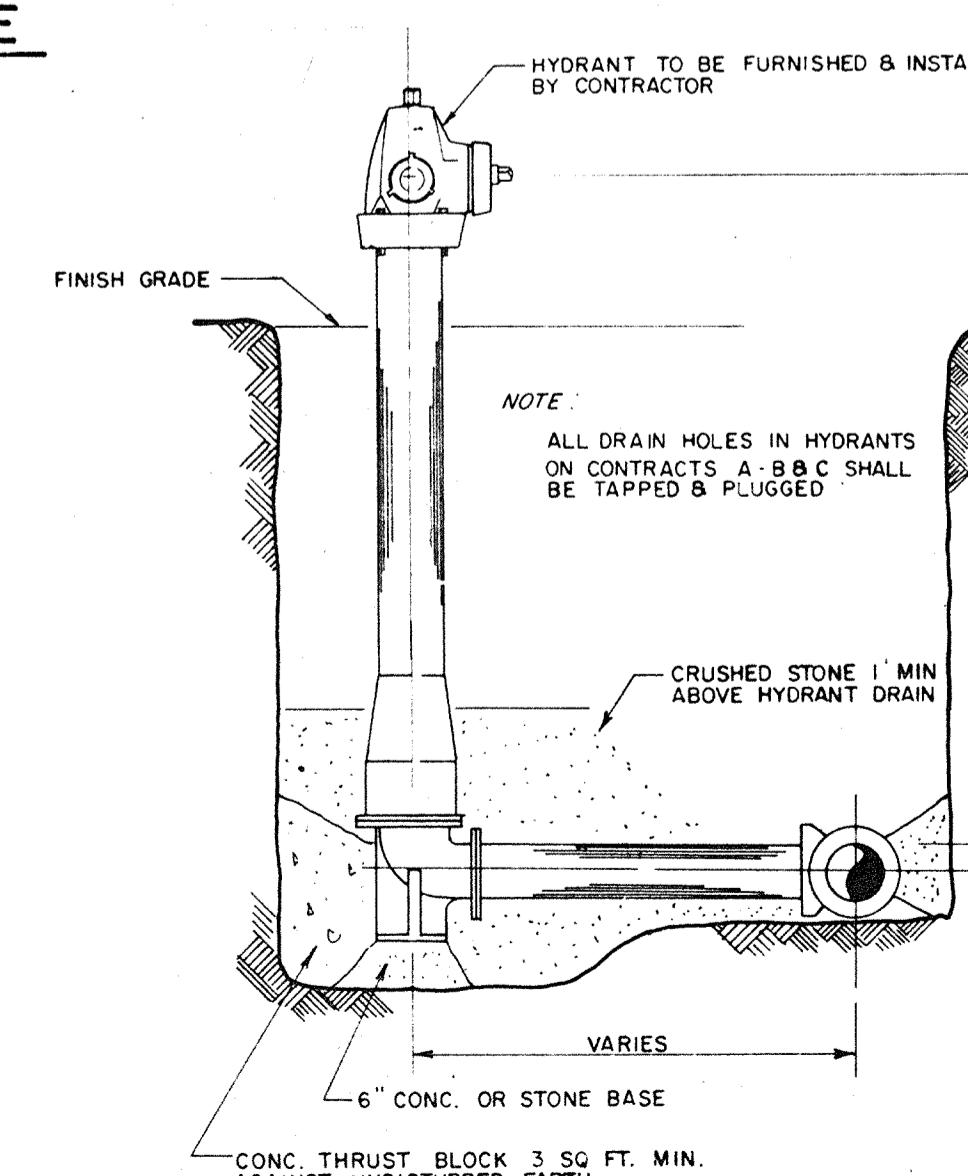
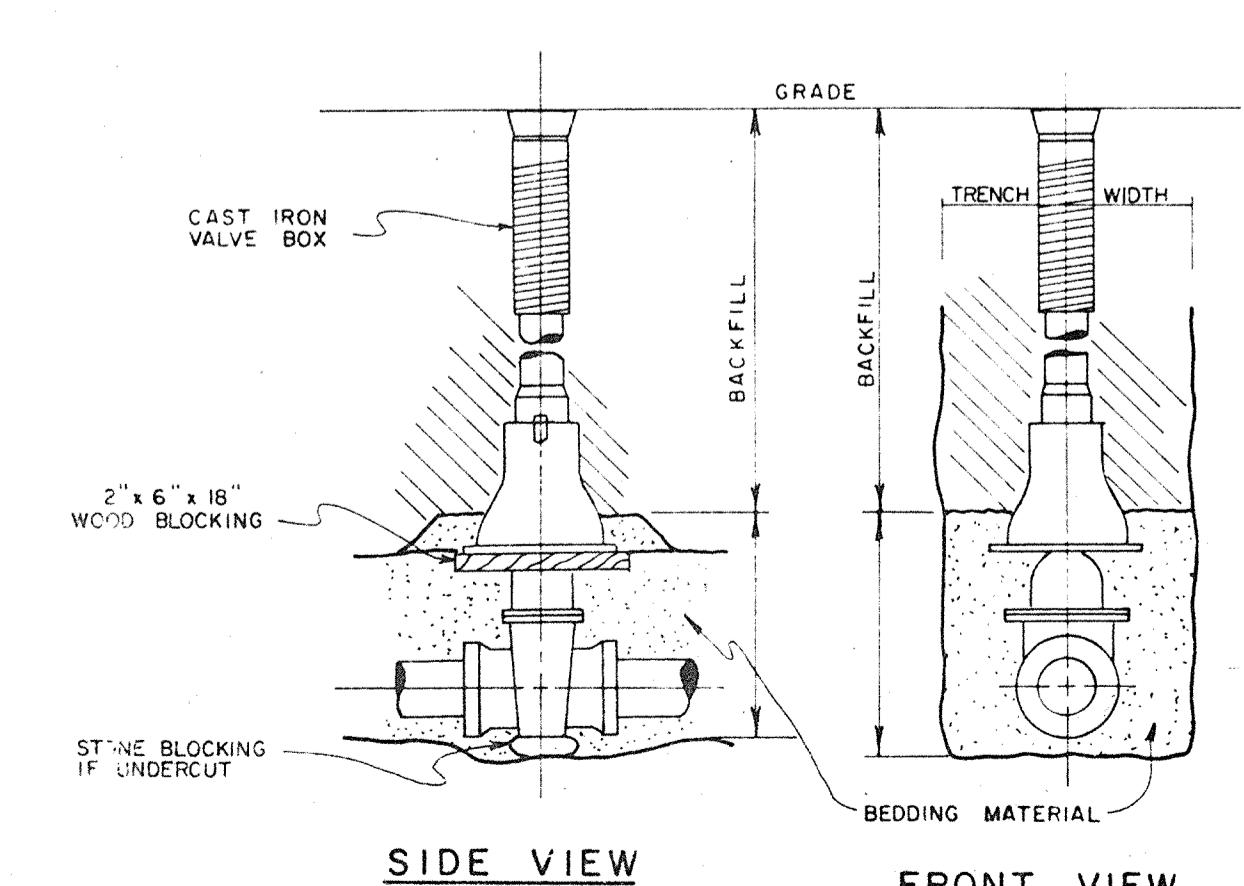
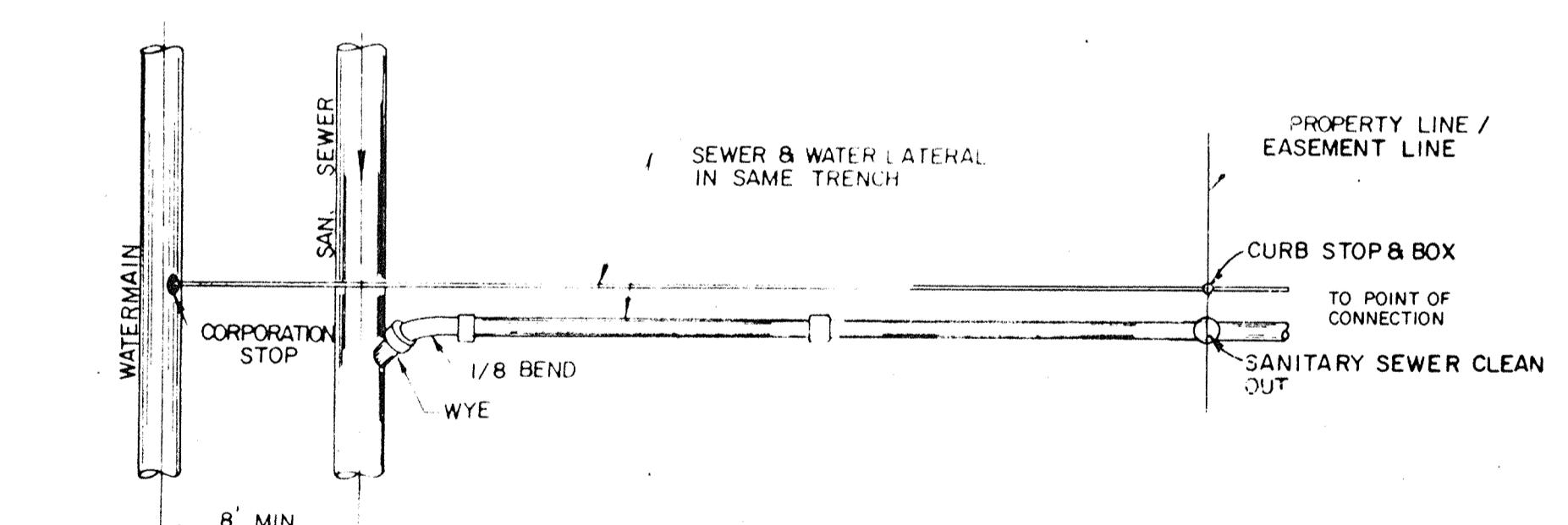


LID & FRAME NEENAH FOUNDRY No R-1916-C
WATERPROOF FRAME W/ BOLTED LID AND FRAME,
CAMPBELL'S OR EQUAL, PROVIDED W/ ANCHOR
BOLTS & BOLT HOLES



WATERPROOF PRECAST MANHOLE

SCALE 1/2"=1'-0"



HYDRANT INSTALLATION DETAIL

SCALE 1/2"=1'-0"

