BELMONT STREET AND ORME STREET

STREET IMPROVEMENTS

Project Number

472-83229 (702221)

CITY OF WICHITA, KANSAS

Michael E. Lindebak, P. E., City Engineer

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1 Title Sheet
2 Typical Section Sheet/General Notes
3 Demolition Plan
4 Intersection Plan
5 Manhole Adjustment Detail

GENERAL NOTES

1. Contractor will be required to provide notice to utility companies a minimum of twenty-four (24) hours prior to any excavation, as follows:

   Kansas One-Call 687-2470

   The Contractor must notify the following in case of an emergency:

Cablevision:	262-4270
or	263-2061
K.P[illegible]as Service Company	383-8650
Kan[illegible] Gas & Electric Company	383-8600
Arkla Gas Company	942-8350
Southwestern Bell Telephone Company	1-571-2611
City of Wichita Water Department	268-4908
City of Wichita Sewer Department	268-4071
Kansas Gas Service	832-3168
or	832-3167
Peoples Natural Gas	942-8811
or	1-800-303-0357

2. Exist. utilities and their locations, as shown on the 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 proposed construction.

3. The Contractor to verify utility locations prior to construction of this project.

4. Utility service and installation shall be coordinated with the respective utility owners. Contacts are:

Kansas Gas Service	James Stoltz	832-3122
K.G.E.	Russ Chitwood	261-6251
Peoples Natural Gas	John Stark	942-8811
Wichita Water	Paul Bryant	268-4555
	Bill Perkins	268-4555
Southwestern Bell	Jim Tobin	268-2759
Multimedia Cablevision	Mark Anaya	262-4270

5. All lawn/turf areas disturbed by construction of proposed improvements shall be restored with sod. All sodding work shall be in accordance with the City of Wichita standard specifications and the City of Wichita administative regulation No. AR78 which governs cleanup and replacement following construction. All costs for this work shall be subsidiary to the lump sum price bid for "Site Restoration."

6. Traffic affected by the construction of this project shall be handled in accordance with the latest edition of the Manual on Uniform Traffic Control Devices.

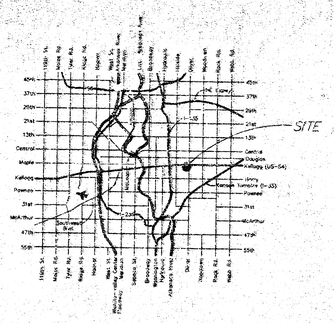
7. All dimensions are to back-of-curb.

8. The Contractor shall notify propoerty owners who have sprinkler systems or other improvements in conflict with the new construction. The Contractor will be required to remove such improvements, should they not be removed by the owner at the time of construction. The Contractor will be required to salvage sprinkler heads and/or valves and place in property owner's yard.

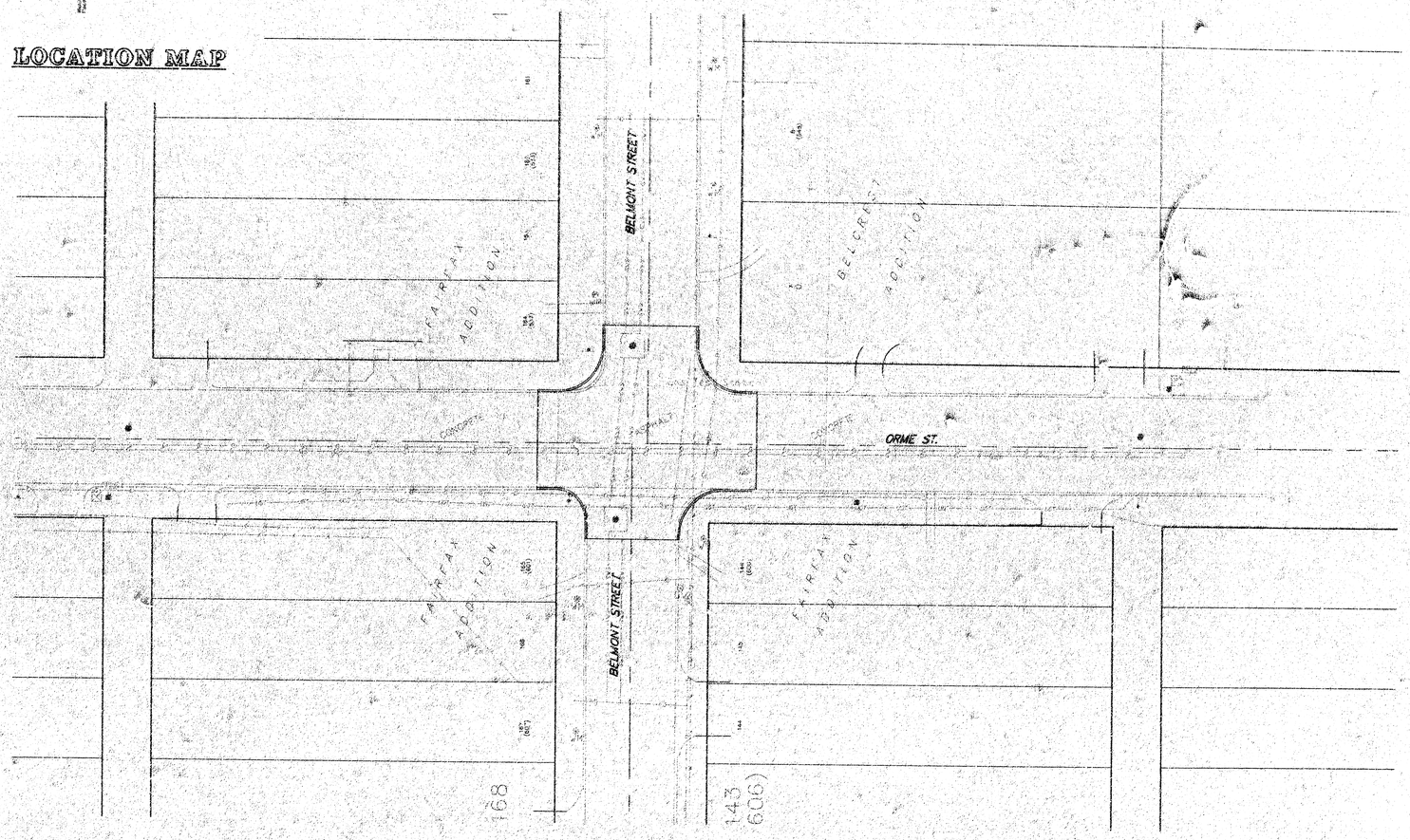
   Sprinkler systems or other improvements not in conflict with the new construction shall be protected from damage and shall remain in place. All work in connection with said improvements shall be considered subsidiary to other items of work.

9. Contractor shall coordinate project with water line reconstruction. Work order will be issued 5 days after water line construction is complete.

10. Contractor shall phase work (see note 2 on sheet 3).

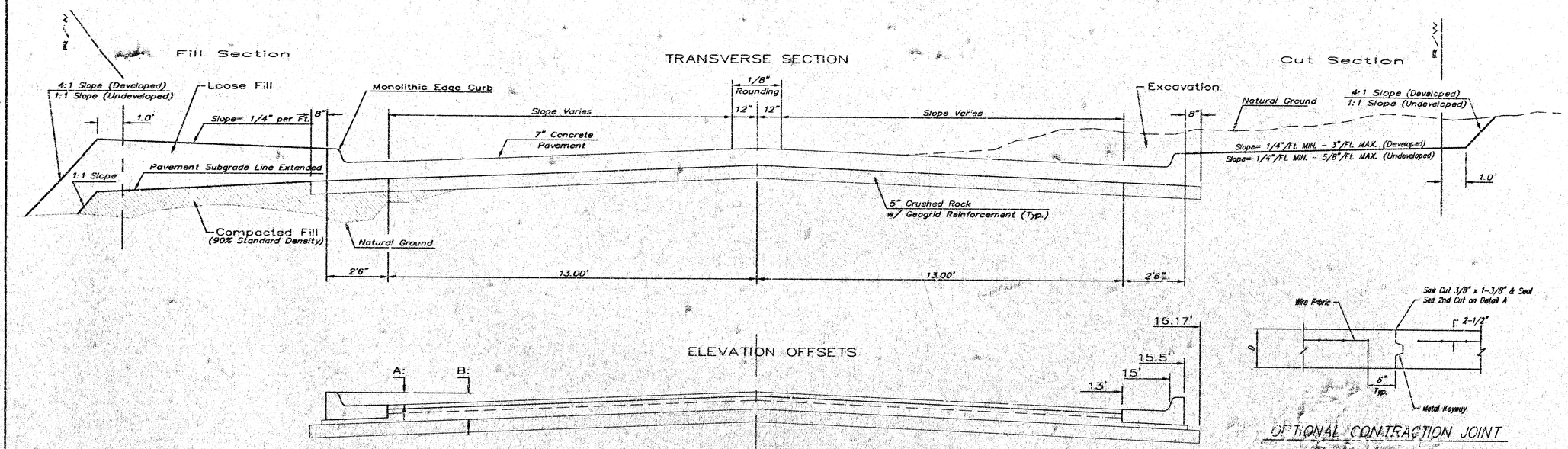


LOCATION MAP



A-M MILLER P.A.
ENGINEERING SERVICES
355 N. Waco, Suite 200 Wichita, KS 67202
316/262-1281 fax. 316/262-6773

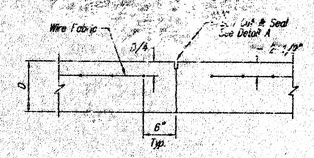
TYPICAL 31' B–B PAVEMENT DETAILS



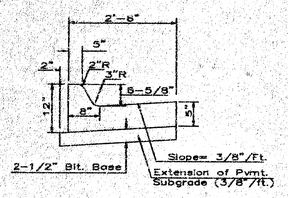
ELEVATION OFFSETS

	DISTANCE FROM CENTERLINE (LT. & RT.)										
	0'	2'	4'	6'	7.5'	10'	12'	13'	15'	15.5'	16.17'
A: Top of Curbs to Top of Surface Lift	0.10	0.14	0.21	0.27	0.32	0.39	0.46	0.49	–	–	–
B: Top of Curbs to Top of Subgrade	0.69	0.73	0.80	0.87	0.93	1.01	1.08	1.12	1.19	1.21	1.23

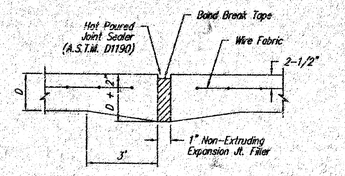
OPTIONAL CONTRACTION JOINT



CONTRACTION JOINT DETAIL (C.J.)

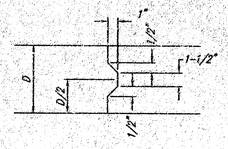


COMBINED CURB & GUTTER (6–5/8")

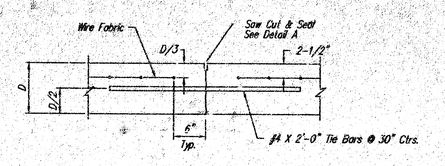


EXPANSION JOINT

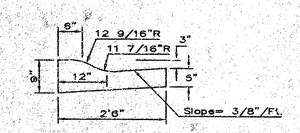
NOTE: Extra Thickness to be Subsidiary to Price of Square Yards Pavement



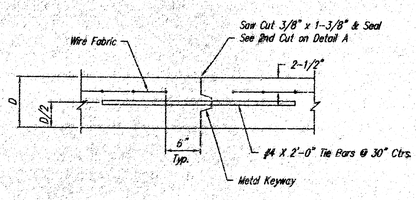
KEYWAY DETAIL



LONGITUDINAL JOINT DETAIL (L.J.)

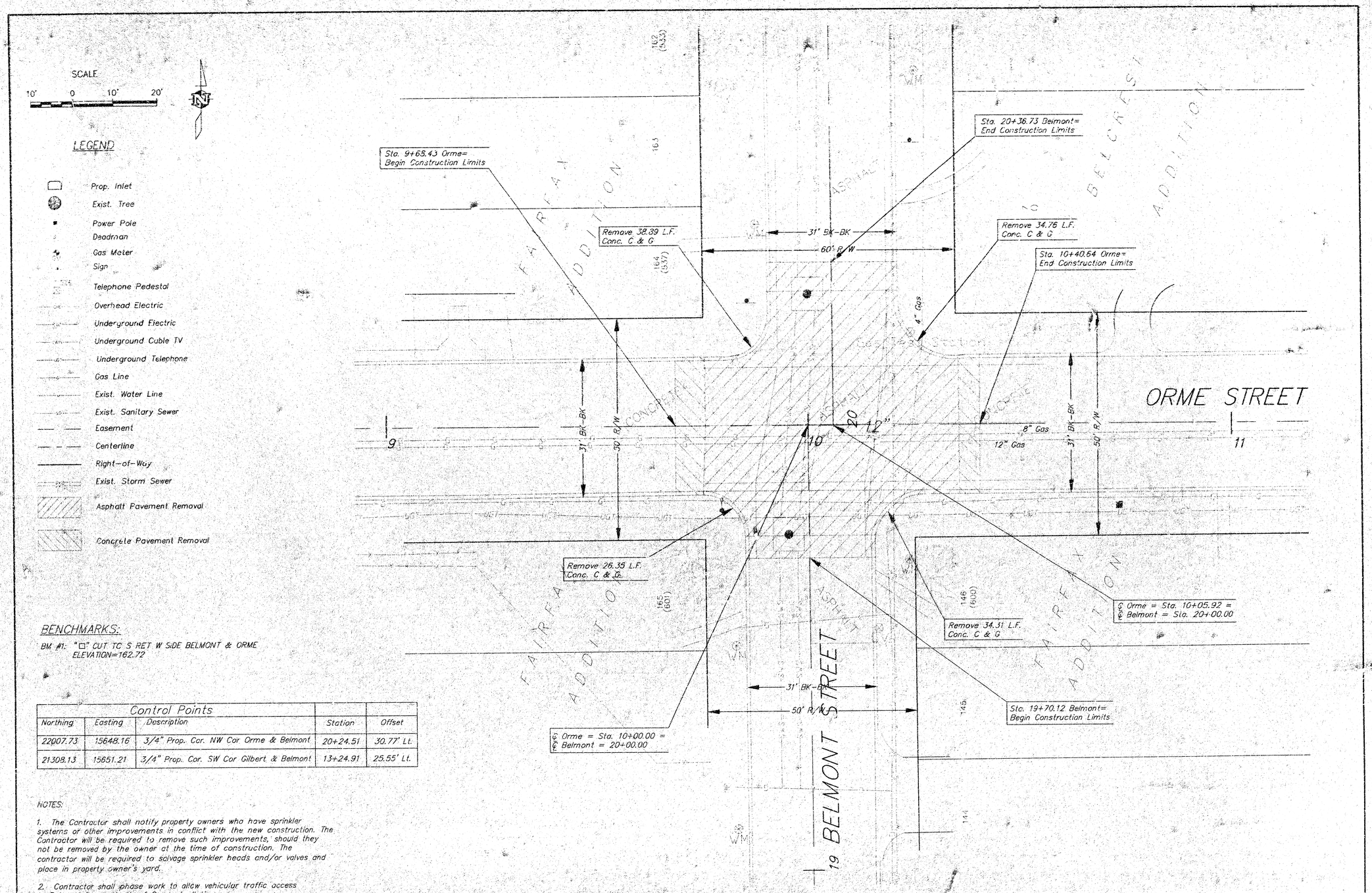


COMBINED ROLL TYPE CURB & GUTTER (3 3/8")



OPTIONAL LONGITUDINAL JOINT DETAIL (L.J.)

316/292-1381	PROJECT NUMBER 472-83229			AM NO. 00101	Belmont - Orme TYPICAL SECTION Wichita, Kansas	SHEET 2 OF 5	REVISED 5/9/01
	DESIGN mp	DRAWN mp	FILE typ-31	DATE	SCALE N.S.		



BENCHMARKS:

BM #1: "□" CUT TO S RET W SIDE BELMONT & ORME
ELEVATION=162.72

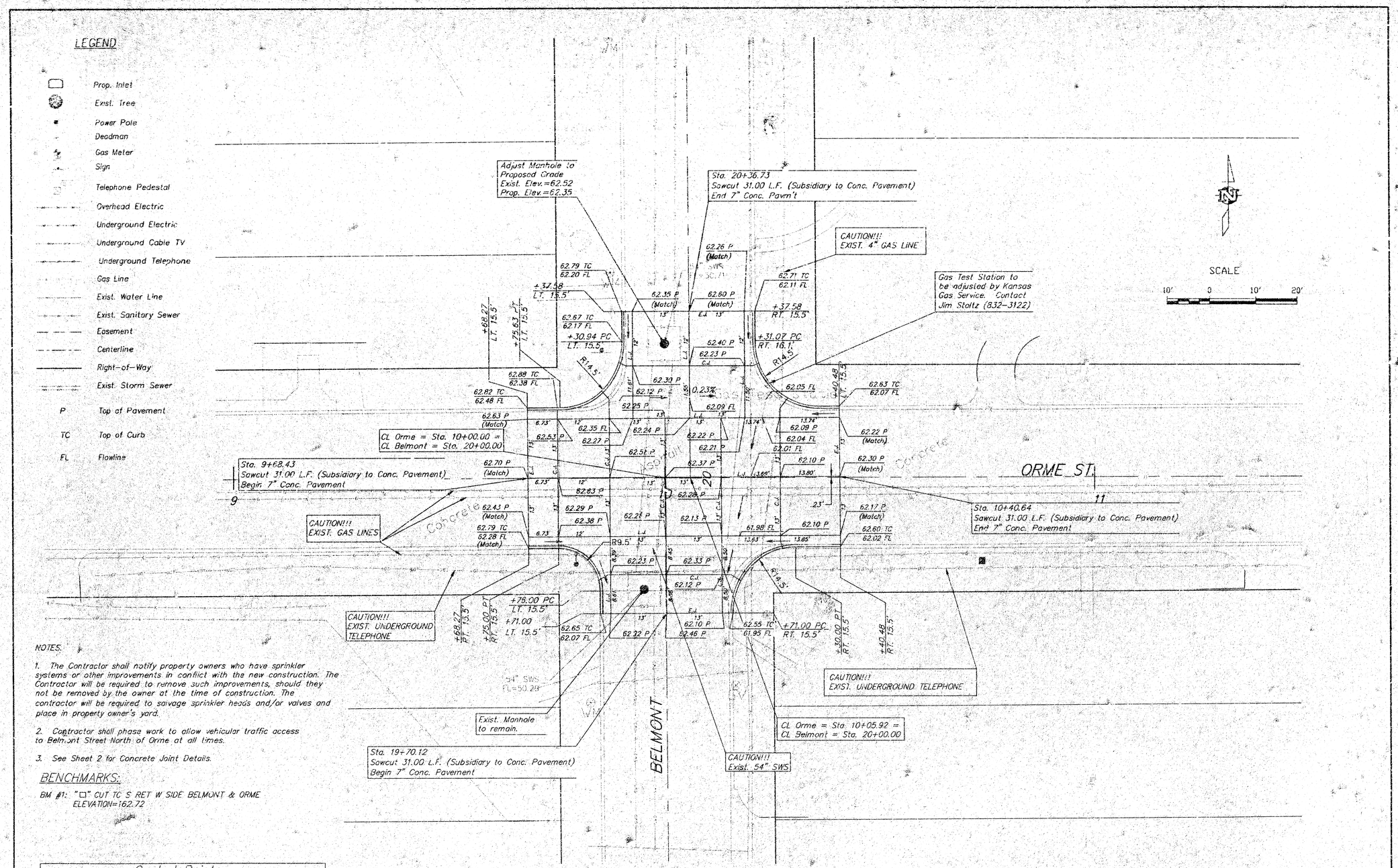
Control Points				
Northing	Easting	Description	Station	Offset
22007.73	15648.16	3/4" Prop. Cor. NW Cor Orme & Belmont	20+24.51	30.77' Lt.
21308.13	15651.21	3/4" Prop. Cor. SW Cor Gilbert & Belmont	13+24.91	25.55' Lt.

NOTES:

1. The Contractor shall notify property owners who have sprinkler systems or other improvements in conflict with the new construction. The Contractor will be required to remove such improvements, should they not be removed by the owner at the time of construction. The contractor will be required to salvage sprinkler heads and/or valves and place in property owner's yard.

2. Contractor shall phase work to allow vehicular traffic access to Belmont Street North of Orme at all times.

PROJECT NUMBER 472-83229				AM NO. 00101	Belmont-Orme Improvements **DEMOLITION PLAN** Wichita, Kansas	SHEET 3 OF 5
DESIGN mp	DRAWN mp	FILE pvp1	DATE	SCALE 1" = 20'		REVISED 5/9/01



NOTES:

1. The Contractor shall notify property owners who have sprinkler systems or other improvements in conflict with the new construction. The Contractor will be required to remove such improvements, should they not be removed by the owner at the time of construction. The contractor will be required to salvage sprinkler heads and/or valves and place in property owner's yard.

2. Contractor shall phase work to allow vehicular traffic access to Belmont Street North of Orme at all times.

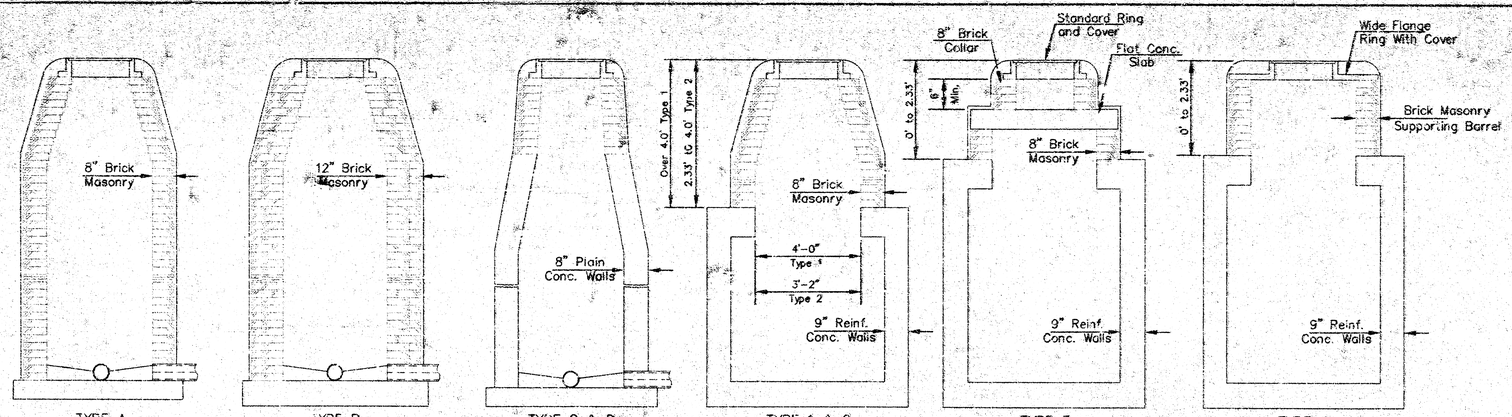
3. See Sheet 2 for Concrete Joint Details.

BENCHMARKS:

BM #1: "□" CUT TC S RET W SIDE BELMONT & ORME
ELEVATION=162.72

Control Points		
Northing	Easting	Description
22007.73	15648.16	3/4" Prop. Cor. NW Cor Orme & Belmont
21308.13	15651.21	3/4" Prop. Cor. SW Cor Gilbert & Belmont

PROJECT NUMBER 472-83229			AM NO. 0010'	Belmont-Orme Improvements **Intersection Plan** WICHITA, KS	SHEET 4 OF 5
DESIGN C.	DRAWN mp	FILE bel-ormeint	DATE 6/00	SCALE 1"=10'	REVISED 5/9/01



TYPE A
Single Wall Masonry

TYPE B
Double Wall Masonry

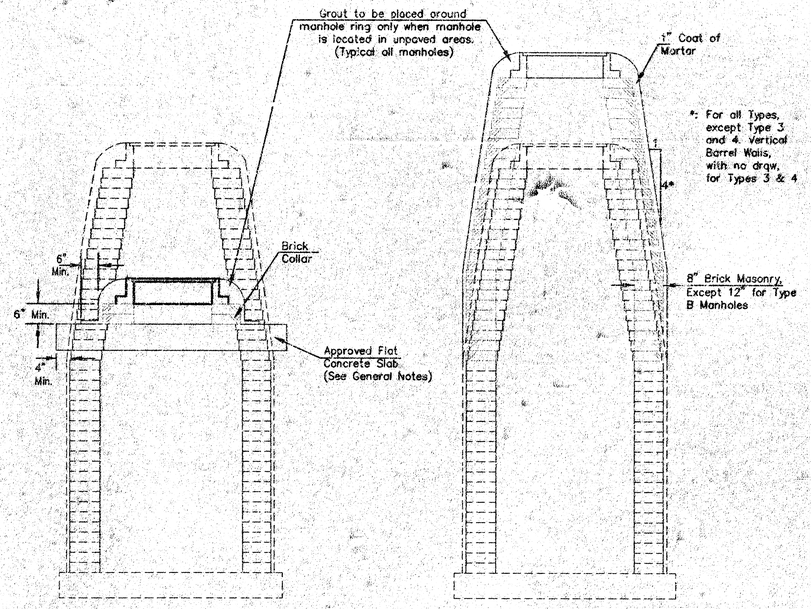
TYPE C & D
Cast in Place
(Type D is plastic lined & has brick draw)

TYPE 1 & 2
Reinforced Concrete

TYPE 3
Reinforced Concrete

TYPE 4
Reinforced Concrete
(Wide Flange Ring)

DEFINITION SKETCHES – CITY OF WICHITA STANDARD MANHOLES



DOWNWARD ADJUSTMENT
(GREATER THAN 12")

All Types

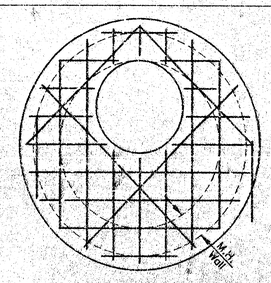
THE APPROPRIATE PROTIONS OF THE DRAW AND BARREL OF TYPE A, B, C, D, 1 AND 2 MANHOLES SHALL BE REMOVED. A FLAT CONCRETE SLAB SHALL BE PLACED AND THE RING AND COVER RESET. ALL WORK AND MATERIALS SHALL CONFORM TO THE DETAILS SHOWN AND THE GENERAL NOTES.

COURSES OF BRICK BARREL SUPPORTING THE WIDE FLANGE RING FOR TYPE 4 MANHOLES AND FLAT CONCRETE SLAB FOR TYPE 3 MANHOLES SHALL BE REMOVED AS NECESSARY PRIOR TO RESETTING THE WIDE FLANGE RING OR FLAT CONCRETE SLAB AND RING. ALL WORK AND MATERIALS SHALL CONFORM TO THE DETAILS SHOWN AND THE GENERAL NOTES.

UPWARD ADJUSTMENT
(GREATER THAN 12")

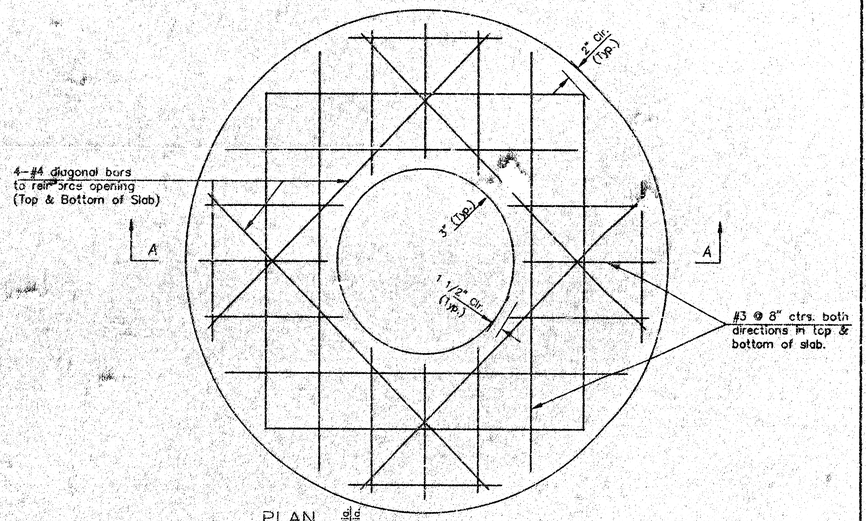
All Types

THE ENTIRE DRAW OF TYPES A, B, C, D, 1 AND 2 MANHOLES SHALL BE REMOVED, THE MANHOLE BARREL RAISED THE APPROPRIATE AMOUNT, A NEW DRAW CONSTRUCTED, AND THE RING AND COVER RESET. THE UPPER PORTION OF TYPE 3 MANHOLES SHALL BE REMOVED TO THE BOTTOM OF THE FLAT CONCRETE SLAB, THE BRICK MASONRY BARREL SUPPORTING THE SLAB SHALL BE RAISED THE APPROPRIATE AMOUNT, AND THE SLAB AND RING AND COVER RESET. THE WIDE FLANGE RING AND COVER OF TYPE 4 MANHOLES SHALL BE REMOVED, THE BRICK MASONRY BARREL SUPPORTING THE RING SHALL BE RAISED THE APPROPRIATE AMOUNT AND THE RING AND COVER RESET. ALL WORK REQUIRED FOR A GREATER THAN TWELVE INCH (12") UPWARD ADJUSTMENT OF ANY MANHOLE SHALL BE ACCOMPLISHED WITH BRICK MASONRY IN ACCORDANCE WITH THE DETAILS SHOWN AND THE GENERAL NOTES.

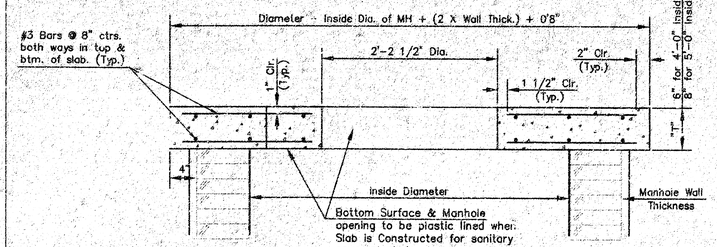


* PLAN
ALTERNATE OPENING
LOCATION

*: To be used only if necessary to keep ring and cover from conflicting with curb or combined curb and gutter. Flat concrete slab shall be rotated on existing manhole to position ring and cover in pavement or behind curb.



PLAN



SECTION A–A
FLAT CONCRETE SLAB DETAILS

DESIGN	DRAWN	FILE mh-adj	DATE	PROJECT NUMBER 472-83229	AM NO. 00101	SCALE N.S.	Belmont-Orme Improvements **Manhole Adjustment** Wichita, Kansas

SHEET 5 OF 5

18-02-05-12