PAVING IMPROVEMENTS TO SERVE

LOTS 2,3,4

PERRY'S ADDITION

(WASHINGTON STREET)

Project Number

472-83037

Index Code

785550

CITY OF WICHITA, KANSAS

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

INDEX

1. Cover
2. Plan Sheet
3. Pavement Marking Plan
4. Loop Detail
5. Junction Box Detail Sheets

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.L. Gas Service Company	383-8650
Kansas Gas & Electric Company	383-8600
Peoples Natural Gas Gas	942-8811
or	1800-303-0357
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

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:

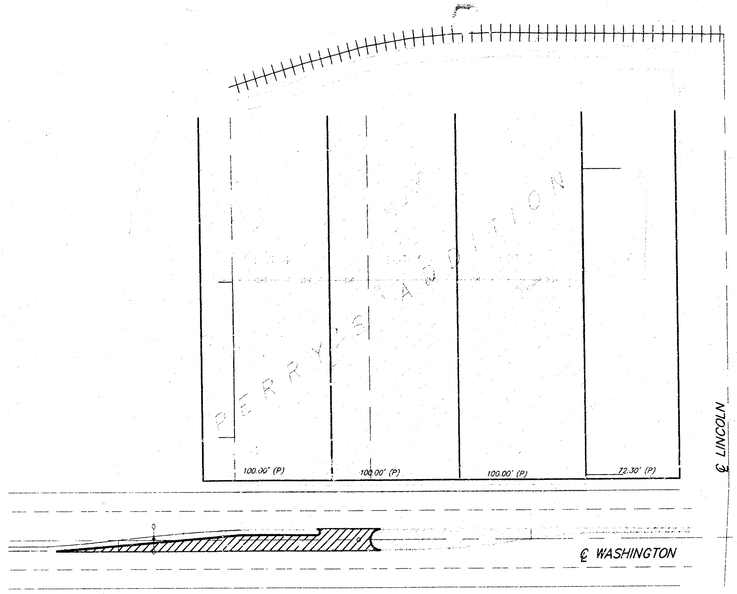
Kansas Gas Service	Jim Stoltz	832-3122
K.G.E.	Russ Chitwood	261-6251
Wichita Water	Paul Bryant	268-4555
	Joe Botinelly	268-4908
Southwestern Bell	Jim Tobin	268-2759

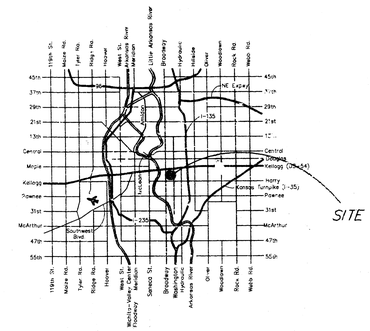
5. Traffic affected by the construction of this project shall be handled in accordance with the latest edition of the Manual on Uniform Traffic Control Devices.

6. A saw cut of at least one-half the depth of existing surface courses or one-fourth the depth of the existing total pavement thickness shall be provided at locations where proposed construction abuts an existing surface course or pavement for which partial removal of that surface or pavement is required. Sawed joint to facilitate removal within three (3) feet of existing joints will not be permitted and for such instances the limits of removal shall extend to the existing joint. Such saw cuts will not be paid for directly and this cost shall be considered as subsidiary to the removal of the surface or pavement.

7. Rubble from the removal of miscellaneous structures and excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations that, in the opinion of the Engineer, will leave an unsightly appearance will not be approved.

8. All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain would require a Kansas State Board of Agriculture permit. Any material buried or stockpiled beyond approved construction limits would require additional archaeological investigations unless buried in a previously approved borrow location.





LOCATION MAP

N.T.S.

Legend:

Benefit District Included

AUSTIN ENGINEERING ASSOCIATES P.A.

ENGINEERING SERVICES

254 S. Laura, Suite 210 Wichita, KS 67211

316/262-1281 fax. 316/262-6773

Legend

- Fire Hydrant
- Light Pole
- Manhole
- Post
- Power Pole
- Rail Road
- TELE Telephone Pedestal
- Sign
- Down Guy
- Pavm't Removed
- UGE Underground Electric
- G Underground Gas
- UGT Underground Telephone
- OHE Overhead Electric
- SS Sanitary Sewer
- W Water
- SWS Storm Sewer

C — Calculated
M — Measured
P — Platted

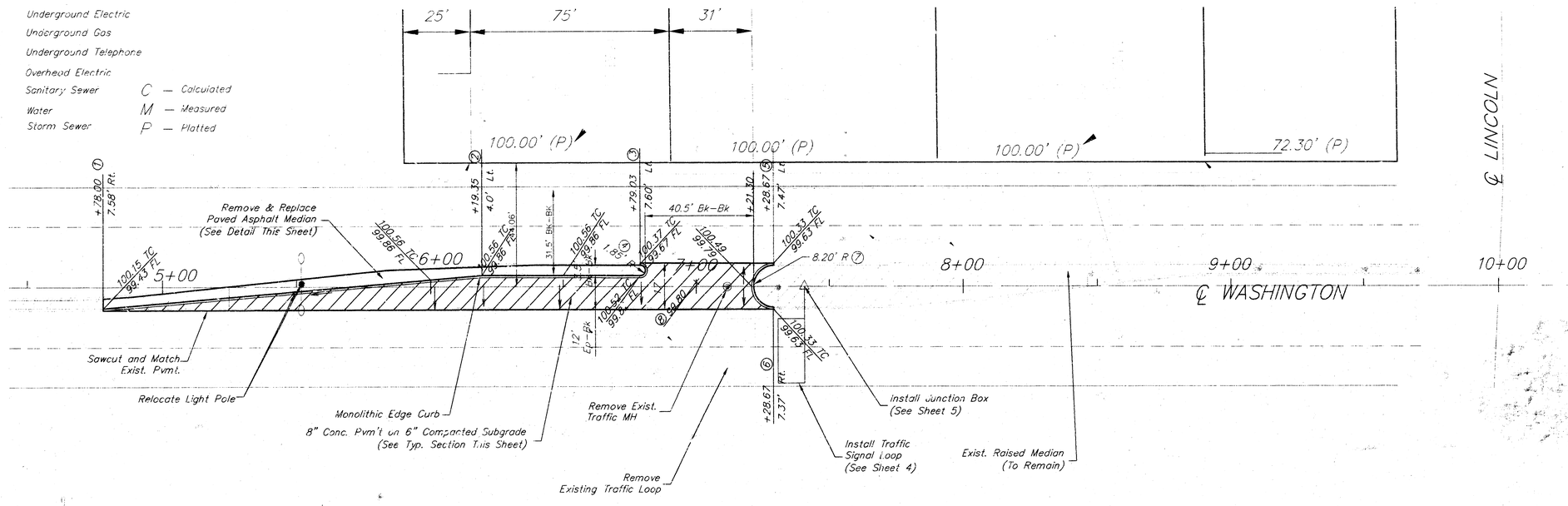
COORDINATES:			
Pt#	Description	N	E
1	BC	-1051.64	862.63
2	BC	-1040.81	1003.49
3	PI	-1036.46	1063.50
4	Radius Point	-1038.51	1063.53
5	BC	-1063.54	1113.34
6	BC	-1044.16	1113.34
7	Radius Point	-1051.43	1113.29
8	Spot Elev.	-1042.48	1084.62

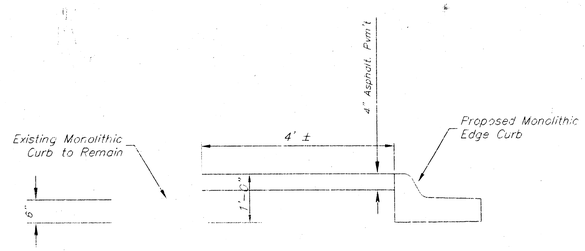
Contol Points

#1 Pipe: SE Corner Lot 1 Perry's Addn.
N: 1274.77
E: 1000.00
(Sta. 2+90.37 44.06' Lt.)

#2 Pipe: NE Corner 25' Esm't Lot 4 Perry's Addn.
N: 1060.00
E: 1000.00
(Sta. 2+90.37 14.06' Lt.)

SCALE
20' 0 20' 40'

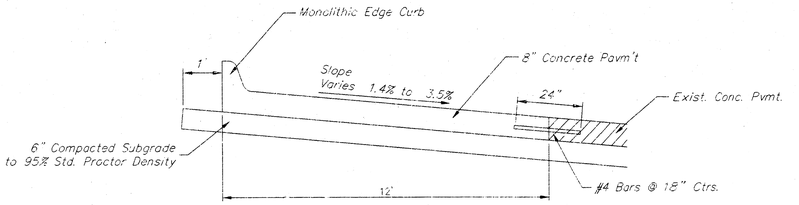




Median Pvm't Section
NOT TO SCALE

Note To Contractor:

Please Notify Jim Parks, City of Wichita Traffic Dept., (316) 268-4033 At Least 48 hrs. Prior To Removing Exist. Traffic Loop.



Left Turn Lane Pvm't Section
NOT TO SCALE

Note: Monolithic Edge Curb to Match Exist. Curb Height & Shape

PROJECT NUMBER 472-83037				AM NO. 67037	CITY OF WICHITA Sta. 4+86.80 to 10+00 Washington Street Improvements	SHEET 2 OF 5	REVISED 7/18/98
DESIGN TA	DRAWN JG	FILE PLAN1	DATE 7/24/98	SCALE 1"=20'			

Legend

- Fire hydrant
- Light Pole
- Manhole
- Post
- Power Pole
- Rail Road
- TELE Telephone Pedestal
- Sign
- Down Guy
- Pavm't Removed

UGE	Underground Electric	
G	Underground Gas	
UGT	Underground Telephone	
OHE	Overhead Electric	
SS	Sanitary Sewer	C — Calculated
W	Water	M — Measured
SWS	Storm Sewer	P — Platted

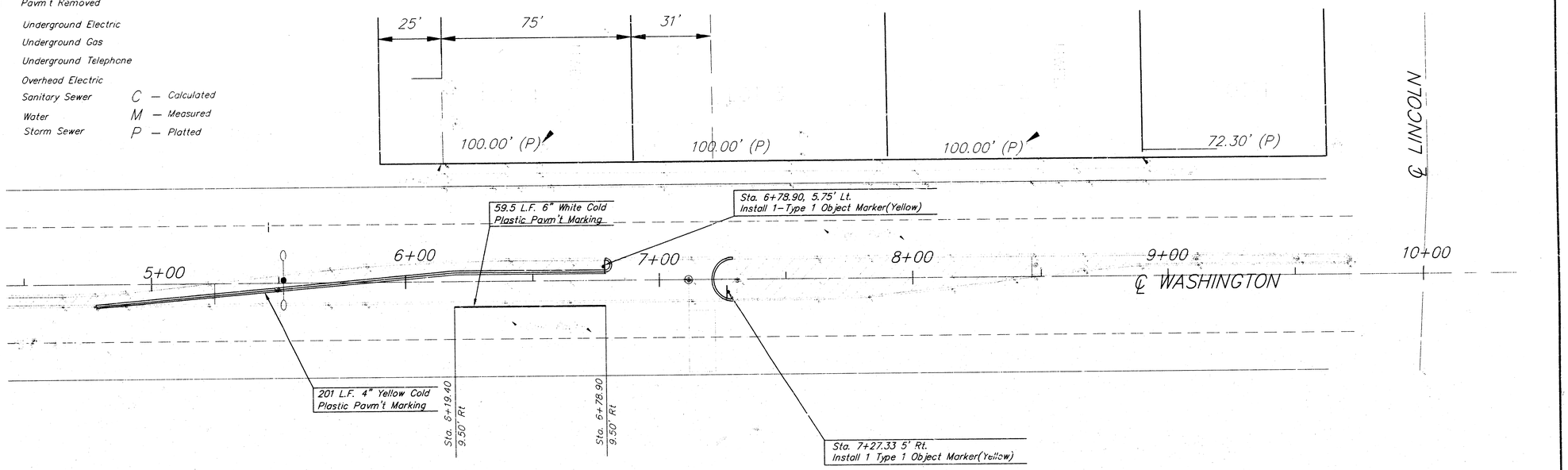
SCALE
20' 0 20' 40'

N

Contol Points

#1 Pipe: SE Corner Lot 1 Perry's Addn.
N: 1274.77
E: 1000.00
(Sta. 8+90.37 44.06' Lt.)

#2 Pipe: NE Corner 25' Esm't
Lot 4 Perry's Addn.
N: 1000.00
E: 1000.00
(Sta. 6+14.68 44.06' Lt.)



NOTES:

1) All Pavm't Markings shall be cold plastic, meeting KDOT standard specifications.

2) All median noses shall be painted w/reflective yellow paint.

DESIGN TA	DRAWN JG	FILE Pvtxing	DATE 7/24/98	SCALE 1"=20'	PROJECT NUMBER 472-83037	AM NO. 97037	CITY OF WICHITA

Signing/Striping Plan
Washington Street Improvements

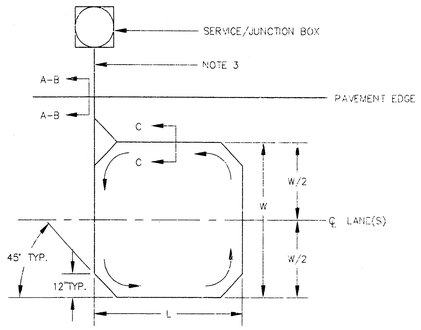
SHEET 3 OF 5

REVISED

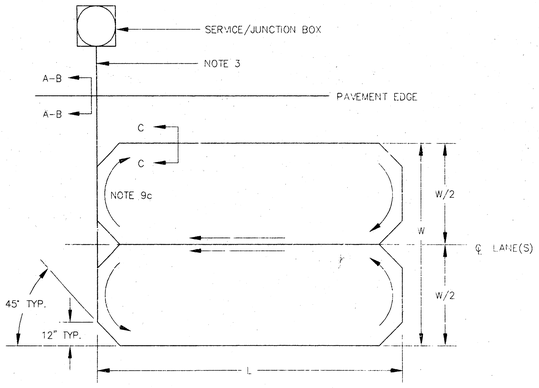
FHWA REGION NO.		PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS				

Loop Construction/Installation Details

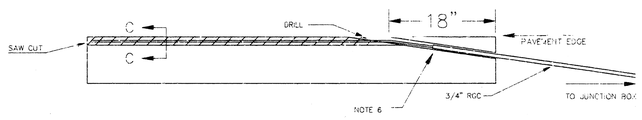
Typical Conventional Loop Installation



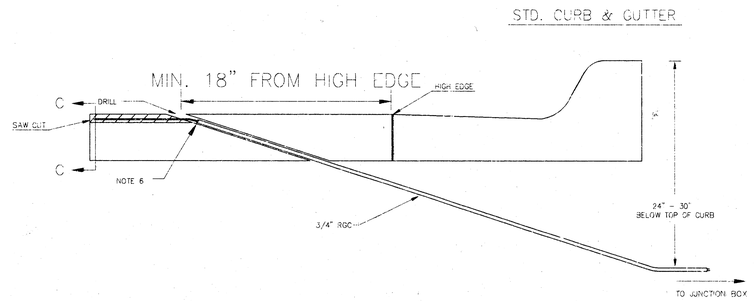
Typical Quadrapole Loop Installation



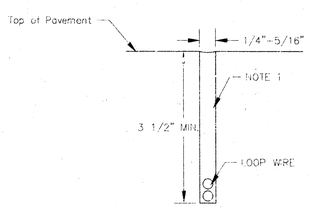
Detail A – No Curb & Gutter



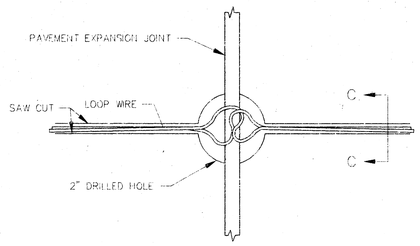
Detail B – Full Curb & Gutter



Detail C – Saw Cut



Detail D – Pavement Joint Crossing



NOTES:

1. Loop saw cut shall be filled with approved sealant to within 1/8" of pavement surface.
2. All loops shall be wound in the same direction.
3. Loop wire between the loop and the service/junction box shall be twisted 6 turns per meter.
4. No expansion joint in the pavement or curb & gutter shall be utilized in the placement of loop wire runs or conduit embedding.
5. The loop wire shall not pass through any part of any drive approach and/or corner radius.
6. All conduit ends shall be sealed with duct seal to prevent loop sealant from entering conduit.
7. Loop feeder conduit shall be a minimum of 12" from any other loop feeder conduit.
8. Saw cuts running parallel with expansion joint or any other saw cut shall be a minimum of 12" apart.
9. a. Loops 25' or less – 4 turns.
   b. Loops over 25' – 3 turns.
   c. Quadrapole loops – 2–4–2 turns.
10. The loop wire shall have 2" slack at all crossings of pavement joints to allow for expansion/contration of pavement. – Detail D"

REV.	DATE	COMMENTS

PROJECT DESCRIPTION

LOOP DETECTOR CONSTRUCTION/INSTALLATION DETAILS

PROJECT NUMBER
472-83037 (765550)

DRAWN BY: T.M.	APPROVED BY	DATE: JULY 96
SCALE: NO SCALE		REVISED:

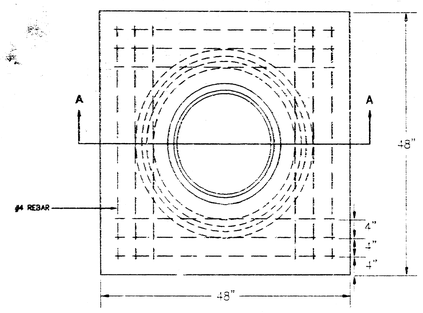
CITY OF WICHITA

DEPARTMENT OF PUBLIC WORKS

TRAFFIC ENGINEERING DIVISION
K. WOODARD, P.E. TRAFFIC ENGINEER

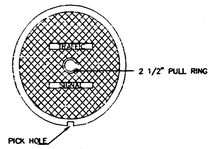
SH: 4 OF: 5

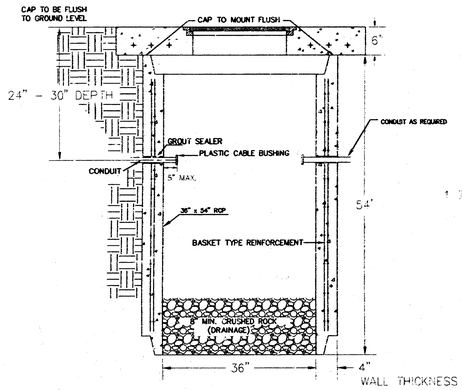
SERVICE BOX CONSTRUCTION/INSTALLATION DETAILS



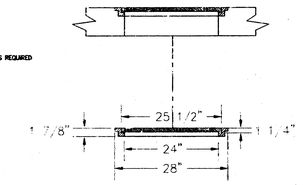
PRE-CAST CONCRETE SERVICE BOX

(36" I.D. X 54" RCP) with 6" CAP



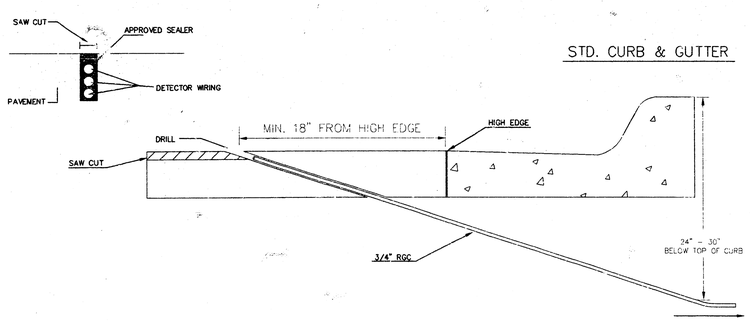


SECTION A-A



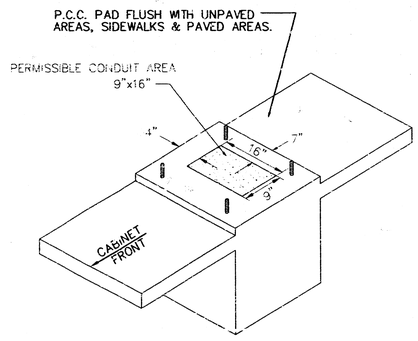
RING & COVER DETAIL

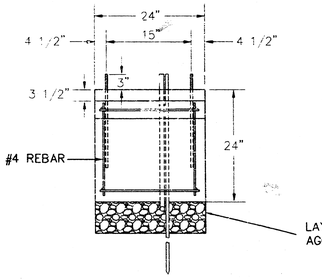
CONDUIT/DETECTOR WIRE INSTALLATION DETAILS

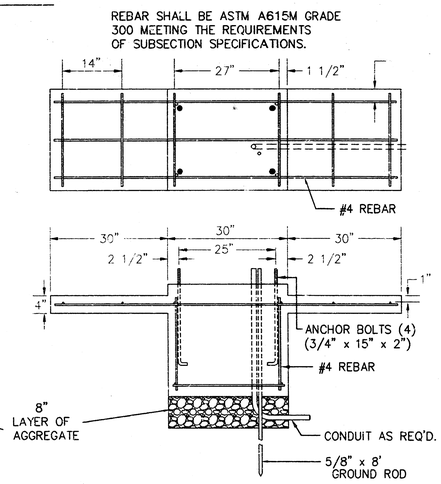


STD. CURB & GUTTER

170 CONTROLLER PAD DETAILS

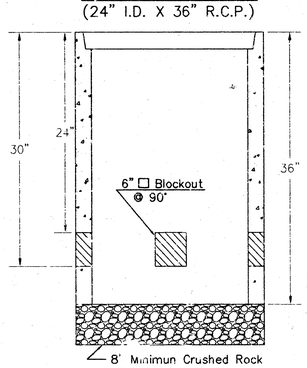




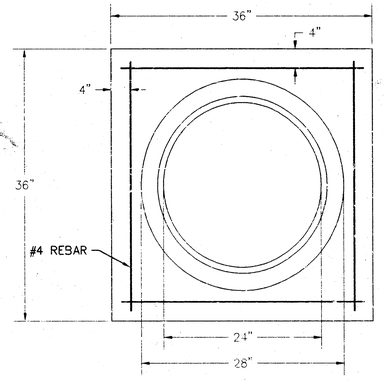


JUNCTION BOX DETAILS

PRE-FAB Junction Box (24" I.D. X 36" R.C.P.)

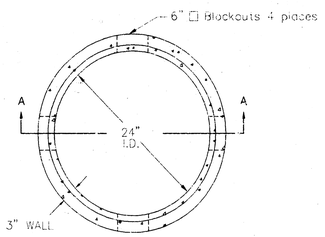


ON A-A



JUNCTION BOX CAP

36" x 36" x 6" TOP OF CAP TO BE FLUSH WITH GROUND LEVEL.



"SEE SERVICE BOX INSTALLATION FOR RING & COVER DETAILS.

NOTES:

SERVICE & JUNCTION BOX:

1. CONDUIT CONNECTION TO BE FLUSH TO WITHIN 125 mm OF INSIDE FACE OF SIDE WALL, CONDUIT TO DRAIN INTO SERVICE BOX.
2. CONDUIT CONNECTIONS TO SERVICE BOX SHALL BE TERMINATED WITH PLASTIC CABLE BUSHING.
3. CONDUIT SHALL BE SEALED WITH APPROVED SEALER AT INSIDE WALL FACE.
4. ALL SERVICE & JUNCTION BOXES TO HAVE 200 mm OF CRUSHED ROCK.

TRENCHING:

1. DEPTH TO BE 30" MINIMUM WITH ROCK & STUBBLE FREE BACKFILL TO SERVE AS BEDDING MATERIAL. MAINTAIN MINIMUM CONDUIT DEPTH IN TRENCH.
2. BACKFILL TO BE COMPACTED IN 6" LOOSE LIFTS BY HAND OR MECHANICAL TAMPING TO A 95% STANDARD DENSITY.

CONDUIT:

1. SLOPE CONDUIT TO DRAIN AS DIRECTED BY THE ENGINEER.
2. 3" RIGID STEEL CONDUIT BTWN. SERVICE BOXES.
   1 1/4" " " " BTWN. SERVICE & JUNCTION BOXES.
   3/4" " " " BTWN. JUNCTION BOXES.
   3/4" " " " BTWN. JUNCTION BOX & DETECTOR LOOP SAW CUT

REV. DATE	COMMENTS	INT

PROJECT DESCRIPTION

SERVICE/JUNCTION BOX, CONTROLLER PAD CONSTRUCTION/INSTALLATION DETAILS

PROJECT NUMBER 472-83037 (765550)

DRAWN BY: T.M	SCALE	REVISED BY:
DATE: APR. 96	NO SCALE	DATE:

CITY OF WICHITA
DEPARTMENT OF PUBLIC WORKS

DIVISION OF TRAFFIC ENGINEERING
K. WOODARD, P.E. TRAFFIC ENGINEER

SHEET 5 of 5

18-13-04-13