CITY OF BURBANK

WATER STANDARD DRAWINGS

Rev: 2019.08

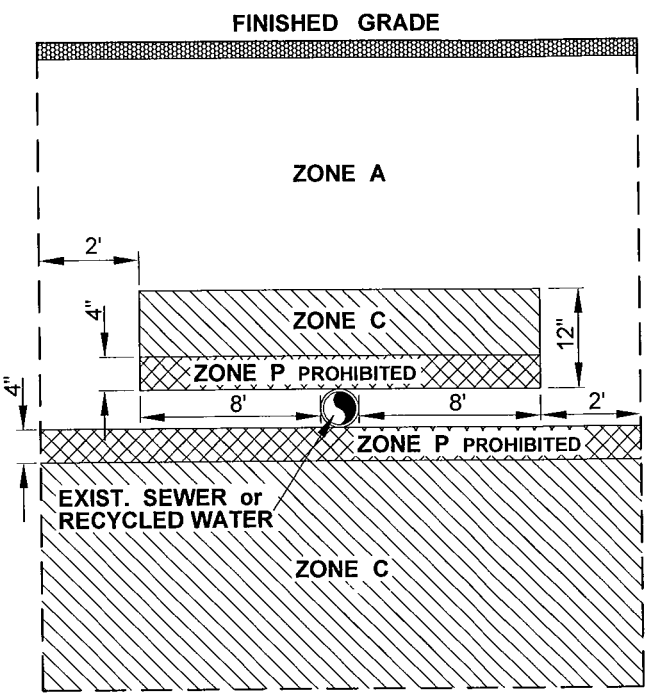
BURBANK WATER AND POWER
WATER DIVISION

STANDARD DRAWINGS

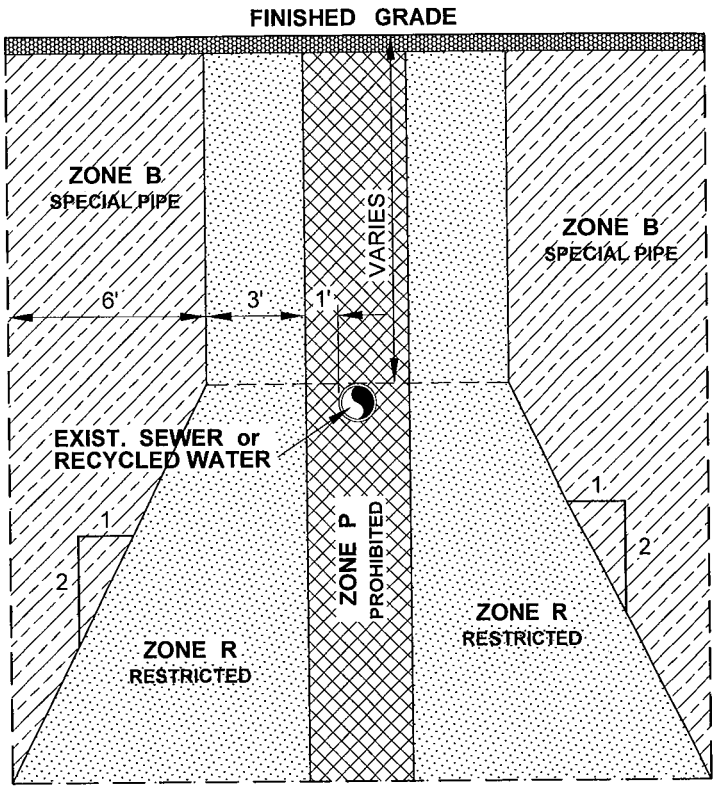
DRAWING NUMBER	DESCRIPTION
PSD - 019	NEW WATER AND EXISTING SEWER/RECYCLED MAIN SEPARATIONS
PSD - 020	NEW SEWER/RECYLED AND EXISTING WATER MAIN SEPARATIONS
PSD - 023	STRUCTURE INTERFERENCE ENCASEMENT SECTION
PSD - 024	STRUCTURE INTERFERENCE TYPE A, B, & C ENCASEMENT
PSD - 030	THRUST BLOCK DETAILS (FOR 4" - 12" C.I. FITTINGS)
PSD - 040	NORMAL BEDDING SECTION
PSD - 041	SPECIAL BEDDING SECTION
PSD - 042	BACKFILL & PAVEMENT RESTORATION REQUIREMENTS
PSD - 043	EXISTING WATER PIPE SUPPORTED WITH 1 SACK CEMENT SLURRY MIX
PSD - 411	STANDARD WATER MAIN BLOW-OFF ASSEMBLY
PSD - 412	6" - 10" TEMPORARY CONSTRUCTION END CAPS
PSD - 413	2" AUTOMATIC AIR & VACUUM RELEASE VALVE
PSD - 414	TYPICAL 4" BLOW-OFF
PSD - 415	1 1/2" CHLORINATION RISER
BWP - 416	1" AUTOMATIC AIR & VACUUM VALVE FOR RECYCLED MAINS
PSD - 500	TYPICAL VALVE BOX FOR GATE VALVES
PSD - 502	WATER DIVISION CAST IRON VALVE COVER (DOMESTIC)
BWP - 503	WATER DIVISION CAST IRON VALVE COVER (RECYCLED)
PSD - 504	TAPPING SLEEVE & TAPPING VALVE DETAIL
PSD - 505	VALVE STEM EXTENSION
BWP - 600	STANDARD FIRE SERVICE (NON-TRAFFIC RATED)
PSD - 602	FLANGED VICTAULIC SPOOL
PSD - 603	FIRE SERVICE JOINT RESTRAINT
PSD - 605	STANDARD 2" FIRE SERVICE LATERAL
PSD - 612	LATERAL FOR ABOVE GROUND FIRE SERVICE / CONTRACTOR
BWP - 615	REQUIRED BACKFLOW DEVICE LOCATION AND CLEARANCES
PSD - 620	3" - 6" COMPOUND OR TURBINE METER WATER SERVICE
PSD - 621	1" RECYCLED METER SERVICE ASSEMBLY
PSD - 622	1 1/2" & 2" RECYCLED METER SERVICE ASSEMBLY
PSD - 624	LOCATION OF SERVICE VAULT / BOX
PSD - 625	1", 1 1/2" & 2" METER SERVICE ASSEMBLY
PSD - 626	DETAILED ASSEMBLY OF 3/4" THROUGH 2" WATER SERVICE
PSD - 627	3/4" & 1" UNMETERED SERVICE ASSEMBLY
BWP - 628	WATER SAMPLING STATION
BWP - 629	1" MANIFOLD D.S./F.S. FOR MULTI-FAMILY RESIDENTIAL
PSD - 634	4" & 6" F. M. METER FOR WATER SERVICE
BWP - 635	8" F. M. METER FOR WATER SERVICE
BWP - 638	3" DOMESTIC & RECYCLED WATER SERVICE ASSEMBLY
BWP - 639	4" DOMESTIC & RECYCLED WATER SERVICE ASSEMBLY
BWP – 640	6" DOMESTIC & RECYCLED WATER SERVICE ASSEMBLY
PSD - 700	FIRE HYDRANT DETAIL
BWP – 702	RECYCLED WATER WHARF HYDRANT
BWP - 709	HYDRANT FLANGE ADAPTER SPOOL (NO HOLES IN BURY FLANGE)
BWP - 710	HYDRANT FLANGE ADAPTER SPOOL
BWP - 711	HYDRANT FLANGE ADAPTER SPOOL (8 HOLES IN BURY FLANGE)
PSD – 750	GUARD POST INSTALLATION
PSD - 780	ADJUSTABLE PIPE SUPPORT
BWP - 800	NON - TRAFFIC VAULT FOR 4" - 8" FIRE AND 3" - 6" DOMESTIC SERVICES
BWP - 802	MODIFIED NON-TRAFFIC VAULT FRAME FOR 3", 4", 6" - 8" SERVICES
BWP - 805	ARMORCAST POLYMER CONCRETE VAULT w/TORSION ASSIST COVER
PSD - 810	STEEL LID FOR 3/4" METER BOX (FRAIZER 3 1/2 BOX)
PSD - 815	STEEL LID FOR 3/4" METER BOX (FRAIZER 3 BOX)
PSD - 820	STEEL LID FOR 1" METER BOX (FRAIZER 5 BOX)
PSD - 821	STEEL LID FOR 2" METER BOX (BROOKS 66S BOX)
PSD - 822	METER BOX LID READING LID DETAIL
PSD - 823	STEEL LID FOR 3/4" METER BOX (BROOKS 36S BOX)
PSD - 824	STEEL LID FOR 1" METER BOX (BROOKS 37S BOX)
PSD - 825	STEEL LID FOR 1 1/2" METER BOX (BROOKS 38S BOX)
PSD - 826	STEEL LID FOR 2" METER BOX (BROOKS 65S BOX)
PSD - 920	TANK / RESERVOIR PRESSURE TRANSDUCER ASSEMBLY - VERSION "A"
PSD - 925	STANDARD TRANSDUCER BOX
PSD - 930	TANK / RESERVOIR PRESSURE TRANSDUCER ASSEMBLY - VERSION "B"
PSD - 940	AIR VALVE COVER

PW - 554 REMODELING DETAIL FOR SEWER LATERALS (SHT. 1 & 2 OF 2)

EXISTING SEWER/RECYCLED WATER MAIN - NEW WATER MAIN



CROSSING CONSTRUCTION



PARALLEL CONSTRUCTION

BASIC SEPARATION STANDARD:

1. ***PARALLEL CONSTRUCTION:*** THE HORIZONTAL DISTANCE BETWEEN DOMESTIC WATER AND RECYCLED WATER / SEWER LINES SHALL BE AT LEAST 10 FEET OUTSIDE OF PIPE TO OUTSIDE OF PIPE
2. ***CROSSING CONSTRUCTION:*** CROSSING WATER LINES SHALL BE AT LEAST ONE FOOT ABOVE SEWER / RECYCLED LINES
3. ***SPECIAL PROVISIONS:*** WHERE THE BASIC SEPARATION STANDARDS CANNOT BE ATTAINED, FOLLOW ALTERNATIVE CONSTRUCTION CRITERIA AS SHOWN BELOW

ZONE	CONSTRUCTION REQUIREMENTS
A	NO SPECIAL REQUIREMENTS.
B	THE WATER MAIN SHALL BE D.I. PIPE WITH BITUMINOUS COATING.
C	THERE SHALL BE NO JOINTS IN THIS ZONE. THE WATER MAIN SHALL BE: 1) DUCTILE IRON PIPE WITH BITUMINOUS COATING; 2) HDPE PIPE WITH FUSION WELDED JOINTS; 3) PVC PIPE CLASS 200 WITH RUBBER RING GASKET.
R	RESTRICTED. NO WATER MAINS SHALL BE ALLOWED WITHOUT STATE DEPARTMENT OF PUBLIC HEALTH APPROVAL.
P	PROHIBITED. NO WATER MAINS PERMITTED IN THIS ZONE.

NOTES:

1. WHEN EXISTING SEWER IS A FORCE MAIN. CONSULT STATE DEPARTMENT OF PUBLIC HEALTH.
2. THIS STANDARD IS BASED ON, "CRITERIA FOR THE SEPARATION OF WATER MAINS AND NON-POTABLE PIPELINES" CALIFORNIA DPH MEMO REVISED OCTOBER 16, 2003.

ASSISTANT GENERAL MANAGER

W. C. Mace 8/19/09

DATE

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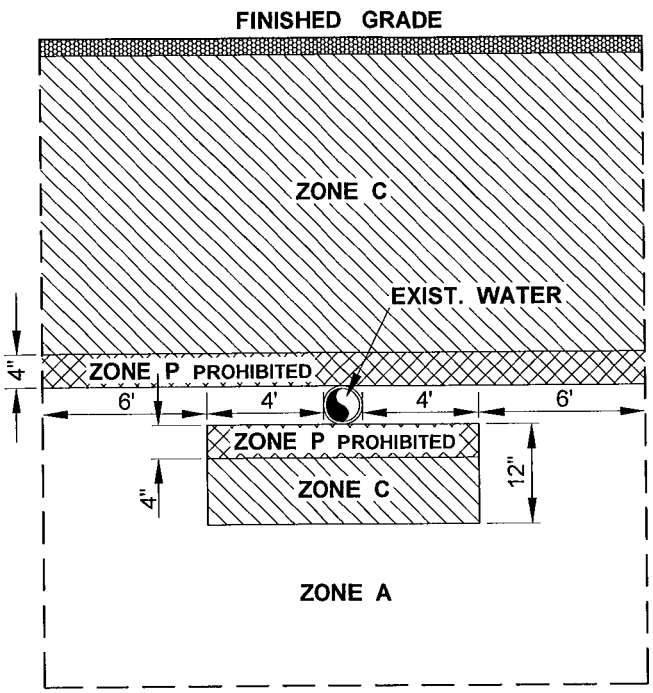
DRAWN RPY | SCALE N.T.S. | CHECK | APP'VD BN | DATE 8/19/09

CITY OF BURBANK
WATER AND POWER

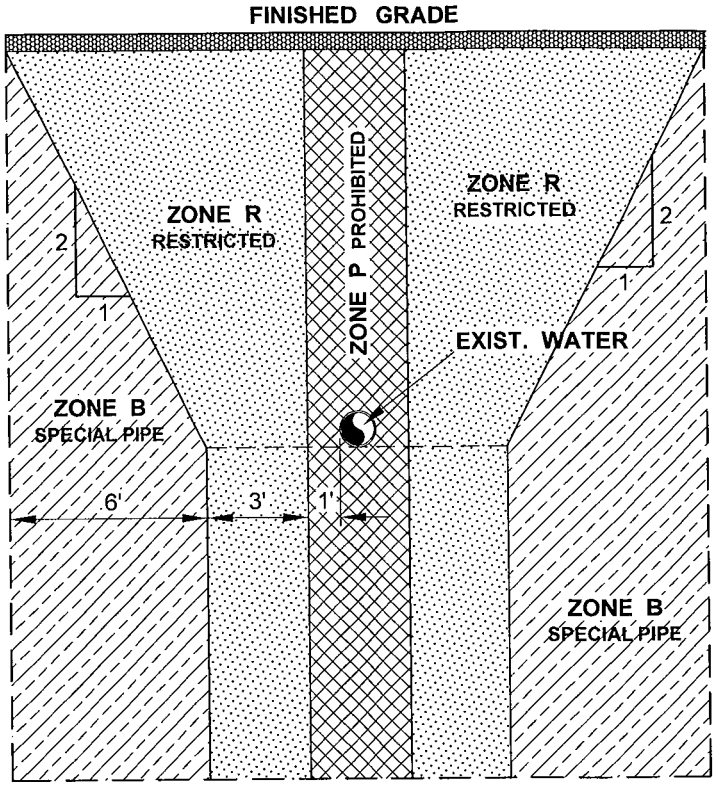
NEW WATER AND EXISTING SEWER /RECYCLED WATER MAIN SEPARATIONS

DRAWING NO.
BWP-019

EXISTING WATER - NEW SEWER/RECYCLED WATER MAIN



CROSSING CONSTRUCTION



PARALLEL CONSTRUCTION

BASIC SEPARATION STANDARD:

1. ***PARALLEL CONSTRUCTION:*** THE HORIZONTAL DISTANCE BETWEEN DOMESTIC WATER AND RECYCLED WATER / SEWER LINES SHALL BE AT LEAST 10 FEET OUTSIDE OF PIPE TO OUTSIDE OF PIPE
2. ***CROSSING CONSTRUCTION:*** CROSSING WATER LINES SHALL BE AT LEAST ONE FOOT ABOVE SEWER / RECYCLED LINES
3. ***SPECIAL PROVISIONS:*** WHERE THE BASIC SEPARATION STANDARDS CANNOT BE ATTAINED, FOLLOW ALTERNATIVE CONSTRUCTION CRITERIA AS SHOWN BELOW

ZONE	CONSTRUCTION REQUIREMENTS
A	NO SPECIAL REQUIREMENTS.
B	THE SEWER / RECYCLED WATER MAIN SHALL BE: 1) HDPE PIPE WITH FUSION WELDED JOINTS (AWWA C906) 2) DUCTILE IRON PIPE WITHCOMPRESSION JOINTS; OR 3) PVC PIPE CLASS 200 WITH RUBBER RING JOINTS.
C	NO JOINTS IN THIS ZONE AND THE NEW SEWER / RECYCLED WATER MAIN SHALL BE: 1) DUCTILE IRON PIPE WITH BITUMINOUS COATING; 2) HDPE PIPE WITH FUSION WELDED JOINTS; 3) PVC PIPE CLASS 200 WITH RUBBER RING JOINTS; OR 4) EXTRA STRENGTH VCP WITH COMPRESSION JOINTS
R	RESTRICTED. NO SEWER/RECYCLED WATER MAINS SHALL BE ALLOWED WITHOUT STATE DEPARTMENT OF PUBLIC HEALTH APPROVAL.
P	PROHIBITED. NO SEWER / RECYCLED WATER MAINS PERMITTED IN THIS ZONE.

NOTES:

1. THIS DRAWING ASSUMES THAT NO SPECIAL CONSTRUCTION METHODS HAVE BEEN USED FOR RECYCLED WATER MAIN SEPARATION.
2. THIS STANDARD IS BASED ON, "CRITERIA FOR THE SEPARATION OF WATER MAINS AND NON-POTABLE PIPELINES" CALIFORNIA DPH MEMO REVISED OCTOBER 16, 2003.

ASSISTANT GENERAL MANAGER

W.O. Mace 8/19/09

DATE

NO.	REVISIONS	BY	CHECK	APP'VD	DATE

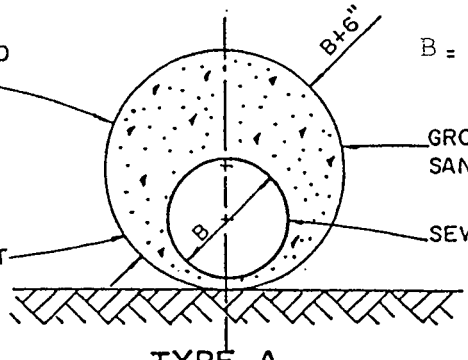
CITY OF BURBANK
WATER AND POWER

DRAWN	RPY	SCALE	N.T.S.	CHECK	APP'VD	BN	DATE	8/19/09

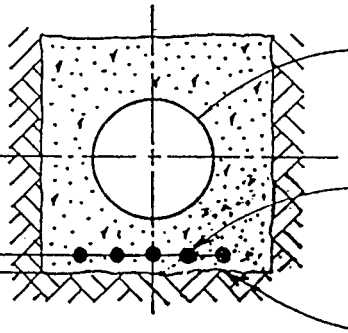
NEW SEWER/RECYCLED WATER AND EXISTING WATER MAIN SEPARATIONS

DRAWING NO. **BWP-020**

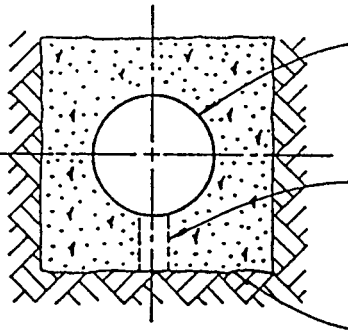
84303



TYPE A
PIPE CASING



TYPE B
REINFORCED ENCASEMENT



TYPE C
PLAIN ENCASEMENT

GENERAL NOTES:

(1) ALL MATERIALS OF CONSTRUCTION SHALL CONFORM TO "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," AND A.W.W.A. STANDARDS & SPECIFICATIONS.

NO.	REVISIONS	BY	CHECK	APP'V'D	DATE
A	REVISE NOTES	RPY			3/14/00

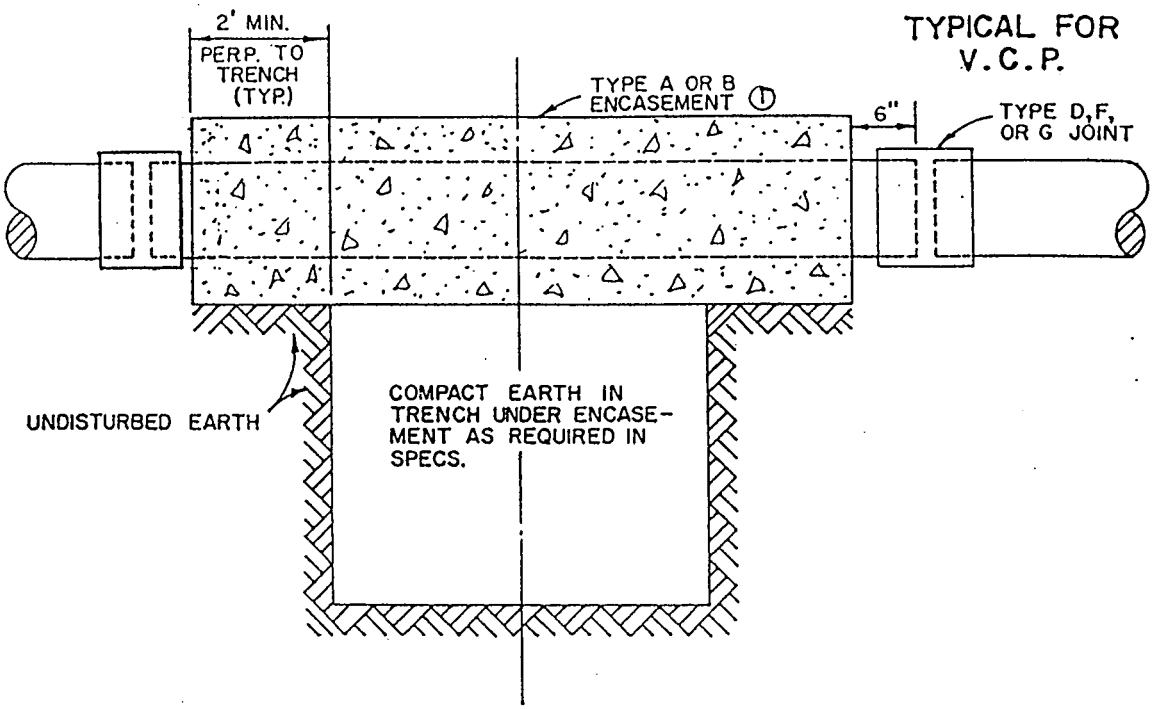
DRAWN R.T. | SCALE N.T.S. | CHECK J.J.L. | APP'V'D | DATE 12-16-87

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

STRUCTURE INTERFERENCE ENCASEMENT SECTION

DRAWING NO. PSD-023

84303

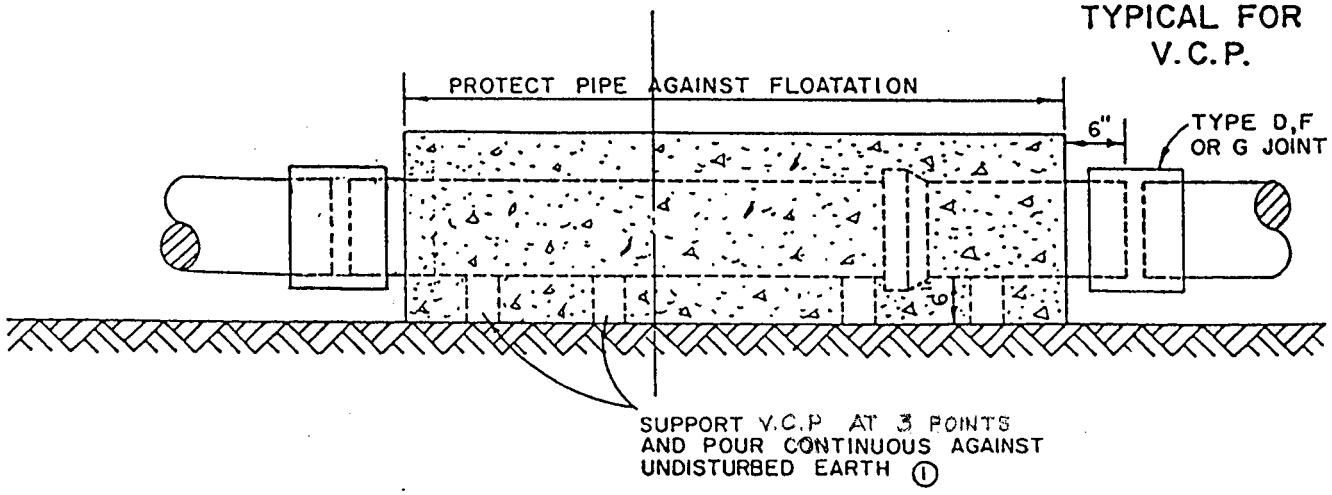


TYPE A OR B ENCASEMENT FOR WATER & SEWER

REQUIRED TO SPAN TRENCH, OR WHERE ENCASEMENT IS NOT POURED ON UNDISTURBED EARTH.

GENERAL NOTES:

(1) EXTEND MACHINED PIPE ENDS BEYOND ENCASEMENT.



TYPE C ENCASEMENT FOR WATER & SEWER

N.T.S

NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

DRAWN R.T. | SCALE N.T.S. | CHECK J.J.L. | APP'V'D | DATE 12-16-87

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

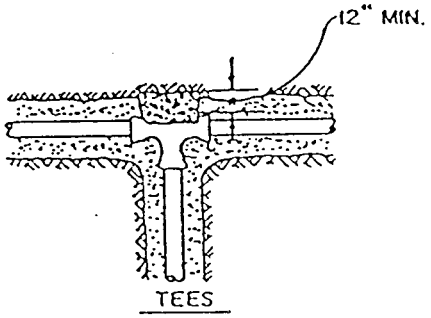
STRUCTURE INTERFERENCE
TYPE A,B,C ENCASEMENT

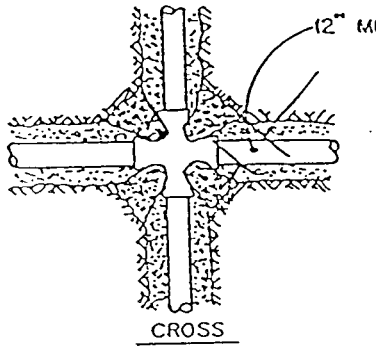
DRAWING NO. PSD-024

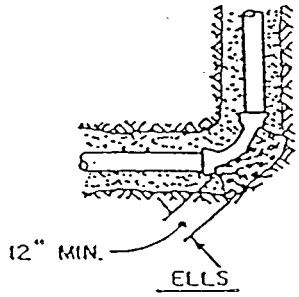
THRUST BLOCK BEARING AREA REQUIRED (SQ. FT.)

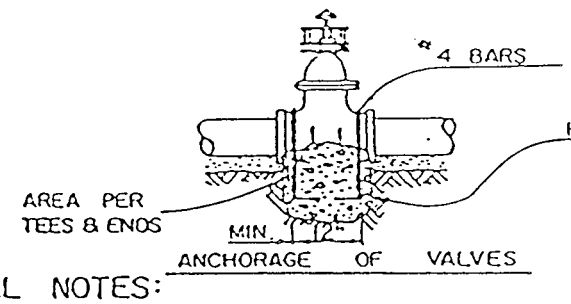
PRESSURE P = CLASS 150# + 50# HAMMER = 200#/□"

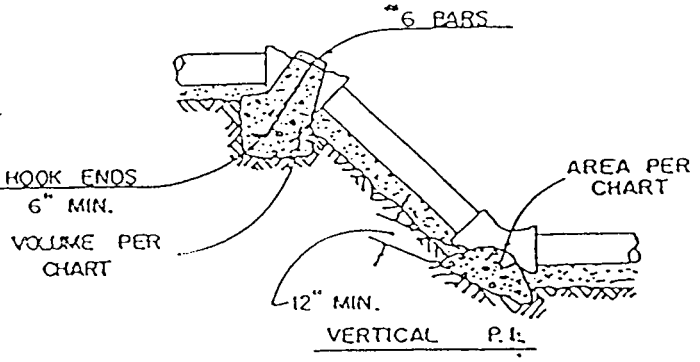
d	HORIZ. & VERT. AGAINST TRENCH P.I. BEARING ($FT.^2$) 11¼°	22½°	45°	90°	TEES ENDS	VERTICAL P.I. ANCHOR VOL. OF CONC. ($FT.^3$) 11¼°	22½°	45°	90°
4"	1.0	1.0	1.0	2.0	1.5	3.5	6.5	13.0	24.0
6"	1.0	1.5	2.0	4.0	2.5	7.5	16.0	30.0	57.0
8"	1.0	2.0	4.0	7.0	5.0	12.0	26.0	52.0	95.0
12"	2.0	4.5	8.5	16.0	11.0	28.0	59.0	115.0	212.0
PRESSURE P = CLASS 200# + 67# HAMMER = 267#/IN.^{2}									
4"	1.5	1.5	1.5	2.5	2.2	5.0	9.0	17.0	32.0
6"	1.5	2.0	2.5	6.0	3.5	10.0	21.5	40.0	76.0
8"	1.5	2.5	5.5	9.5	7.0	16.0	35.0	70.0	127.0
12"	2.5	6.0	11.5	21.0	16.0	38.0	79.0	155.0	283.0









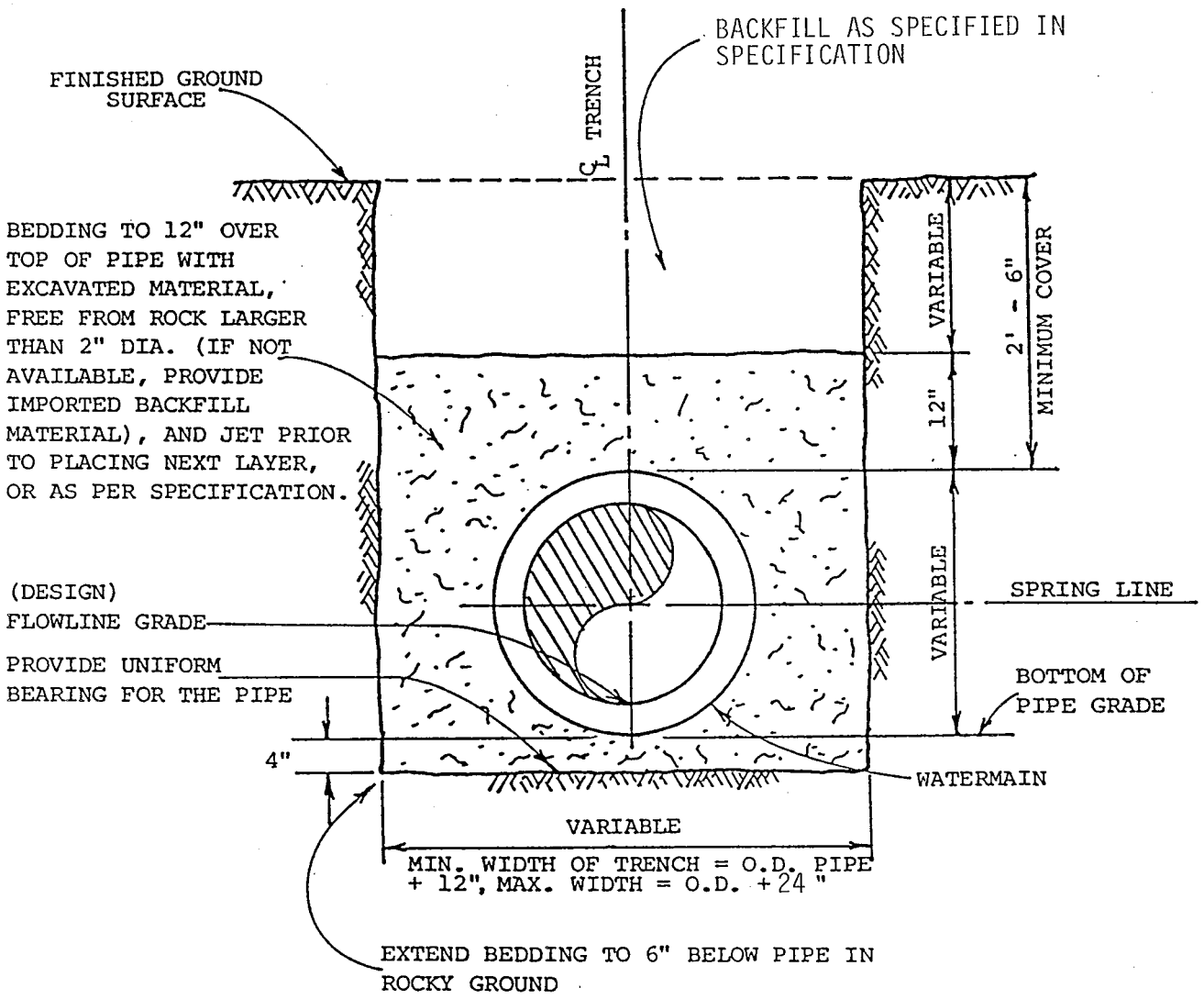


GENERAL NOTES:

1) ALL MATERIALS OF CONSTRUCTION SHALL CONFORM TO "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION".
2) THRUST & ANCHOR BLOCKS SHALL BE OF P.C.C. 480-C-2000 CONCRETE & SHALL BE POURED (12" THICK MIN.) AGAINST UNDISTURBED SOIL. CONCRETE SHALL BE KEPT CLEAR OF PIPE AND THE BELL OF THE FITTINGS.
3) THRUST BLOCK AREAS ARE BASED ON A 2,000 LB. PER SQ. FT. BEARING VALUE.

Approved by: Fred Lantz
Date: July 29, 1987

WATER DISTRIBUTION AND TRANSMISSION CONSTRUCTION METHODS	THRUST BLOCK DETAILS FOR 4", 6", 8", & 12" C.I. FITTINGS
BURBANK PUBLIC SERVICE DEPARTMENT	DATE AUGUST. 1987 — PSD-030



GENERAL NOTES:

1) THE MATERIAL USED IN BEDDING SHALL BE COHESIONLESS SANDY LOAM, SAND, OR SANDY GRAVEL MATERIAL OBTAINED FROM REQUIRED EXCAVATION OR FROM APPROVED BORROW AREAS. IT SHALL NOT CONTAIN ANY ROCKS OR OTHER HARDER MATERIAL DETRIMENTAL TO GOOD BEDDING OF THE PIPE OR THAT MIGHT BE DAMAGING TO THE PIPE COATING.

2) SAND BEDDING SHALL BE USED WHEN THE SAND EQUIVALENT OF THE NATIVE MATERIAL IS LESS THAN 30 PER ASTM D - 2419.

3) ONE SACK SLURRY SAND SHALL BE USED AS BEDDING MATERIAL ONLY AT THE DIRECTION OF THE ENGINEER.

NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

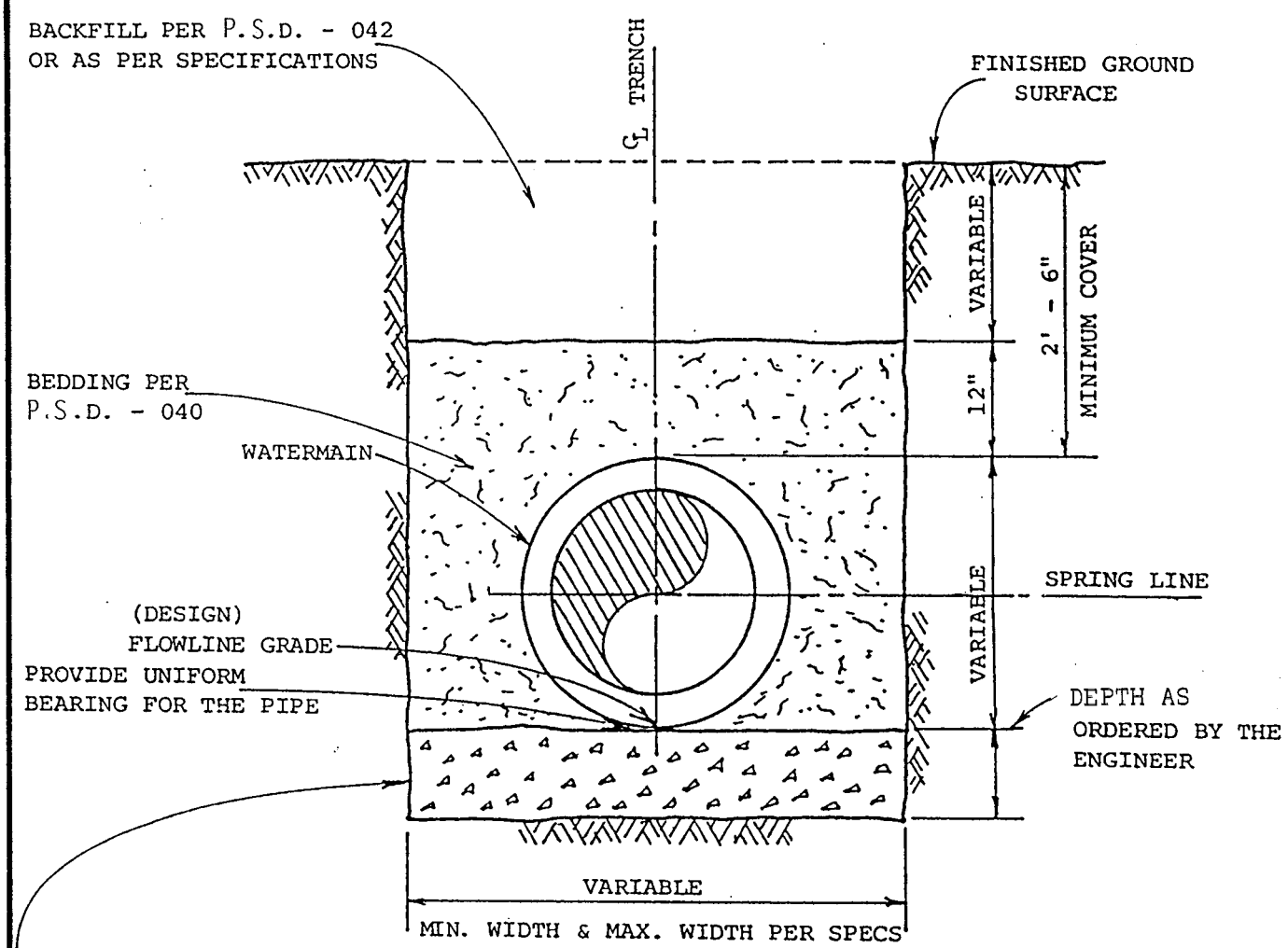
DRAWN JimL | SCALE N.T.S. | CHECK J.J.L. | APP'V'D | DATE 8-27-87

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

NORMAL BEDDING SECTION

DRAWING NO. PSD-040

84303



WHEREVER THE GROUND UPON WHICH PIPE IS TO BE LAID IS INSUFFICIENTLY STABLE, IN THE OPINION OF THE ENGINEER, TO PROVIDE A SUITABLE FOUNDATION FOR THE PIPE, OVER EXCAVATE BELOW BOTTOM OF PIPE GRADE AS ORDERED BY THE ENGINEER AND REFILL WITH CAREFULLY PLACED AND SUFFICIENTLY COMPACTED CRUSHED AGGREGATE BASE MATERIAL.

NO.	REVISIONS	BY	CHECK	APP'V'D	DATE
A	REVISE NOTES	RPY			3/14/00

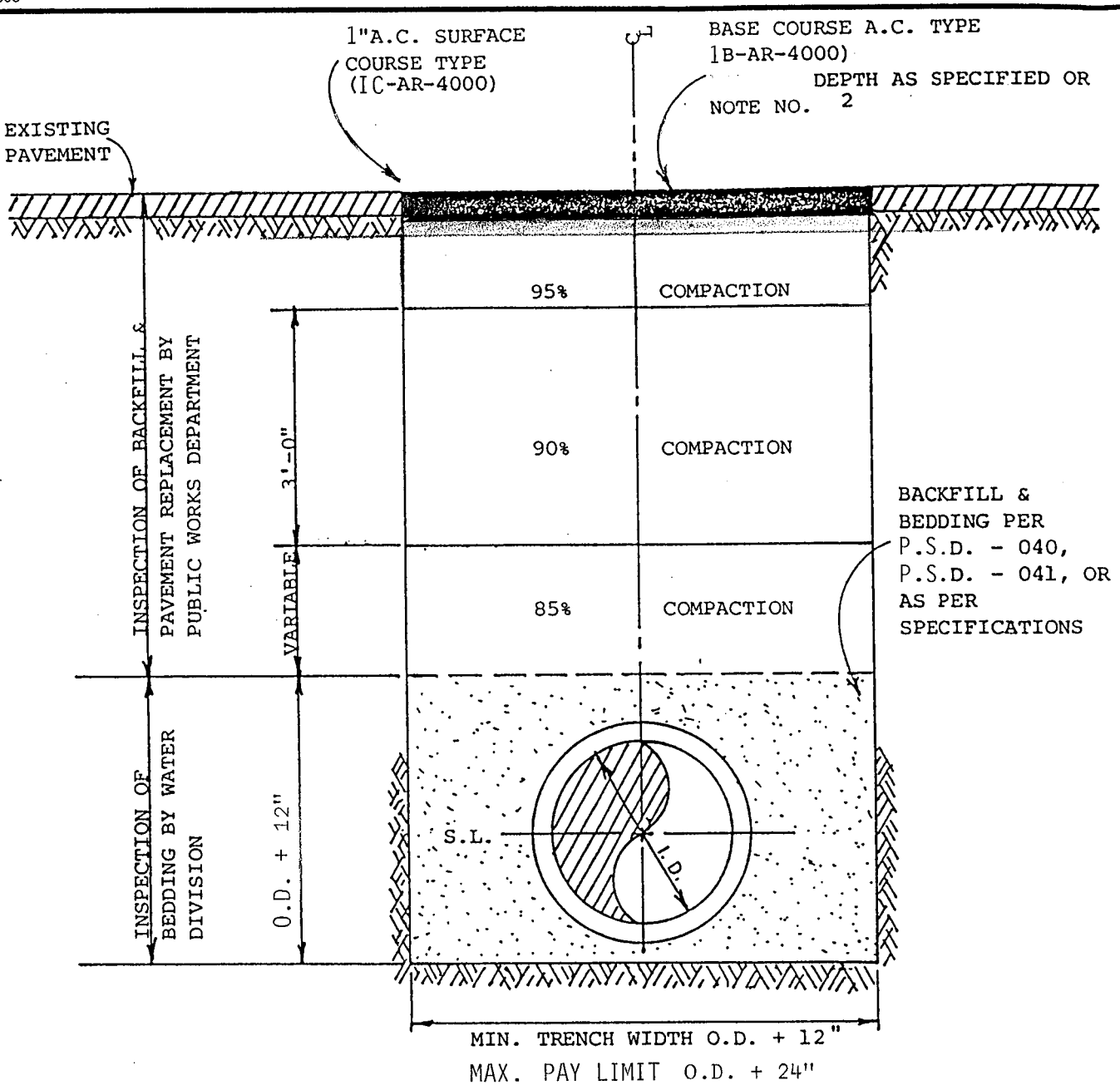
DRAWN R.T | SCALE N.T.S. | CHECK J.J.L. | APP'V'D | DATE 12-13-87

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

SPECIAL BEDDING SECTION

DRAWING NO. PSD-041

84303



GENERAL NOTES:

(1) BACKFILL COMPACTION & REPLACEMENT OF PAVEMENT SHALL BE IN ACCORDANCE WITH THE CITY OF BURBANK , DEPARTMENT OF PUBLIC WORKS & "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", LATEST EDITION.

(2) UNLESS OTHERWISE SPECIFIED ON THE PLANS OR IN THE SPECIAL CONDITIONS, ALL SURFACE IMPROVEMENTS DAMAGED OR REMOVED SHALL BE RECONSTRUCTED BY THE CONTRACTOR TO THE SAME DIMENSIONS, EXCEPT FOR PAVEMENT THICKNESS, AND WITH THE SAME TYPE OF MATERIALS USED IN THE ORIGINAL WORK. BASE COURSE A.C. SHALL BE 1" INCH GREATER THAN EXISTING PAVEMENT.

(3) CONTRACTOR SHALL OBTAIN ALL NECESSARY STREET OPENING PERMITS.

(4) REFERENCE STANDARD DRAWINGS P.S.D.-040 AND P.S.D.-041.

(5) BACKFILL IN EASEMENTS SHALL COMPLY WITH THE SAME REQUIREMENTS AS BACKFILL IN STREETS. PAVING SHALL BE INCLUDED IF SHOWN ON PLANS.

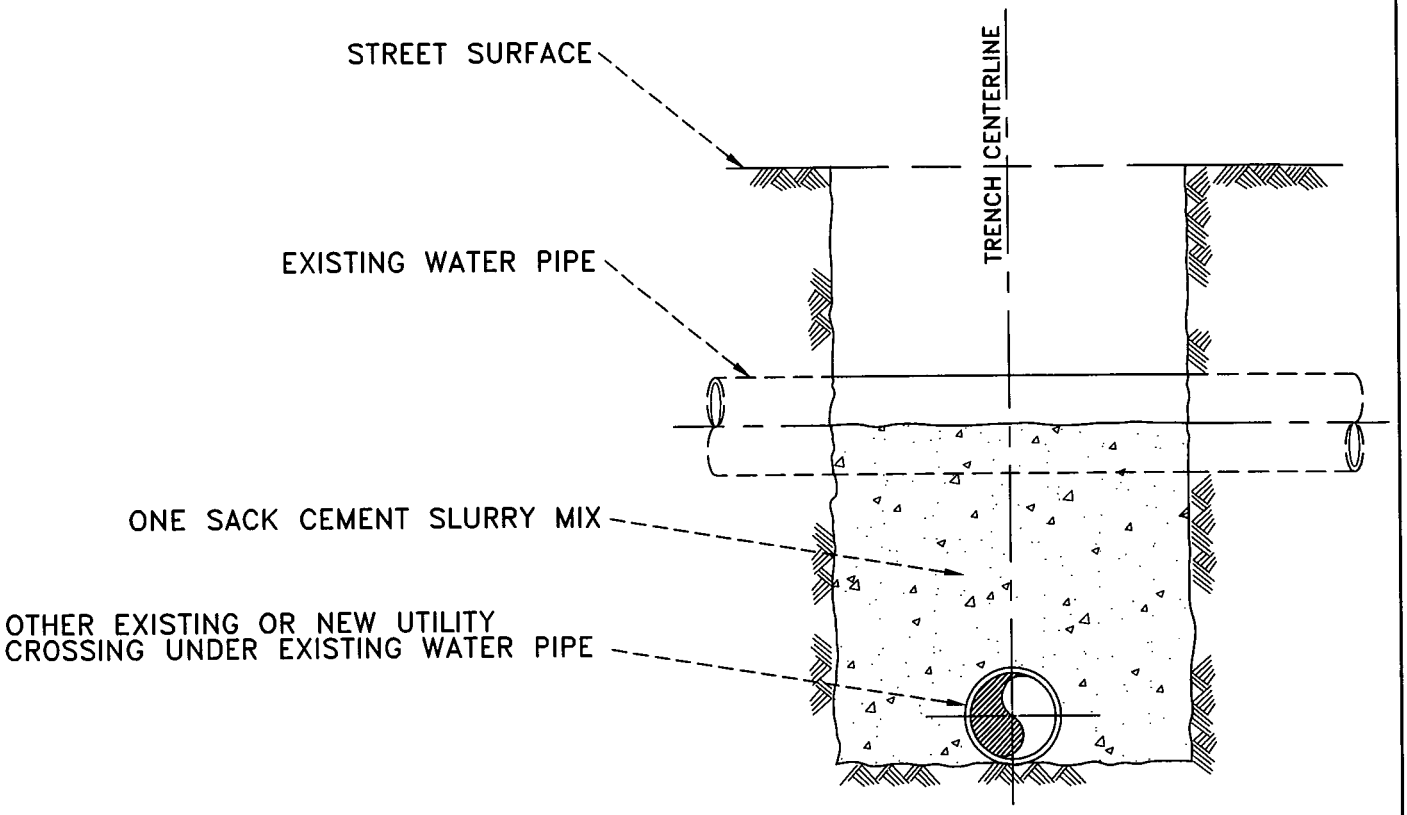
No.	REVISIONS	By	Check	App'v'd	Date

Drawn R.T	Scale N.T.S	Check J.J.L.	App'v'd	Date 12-11-87

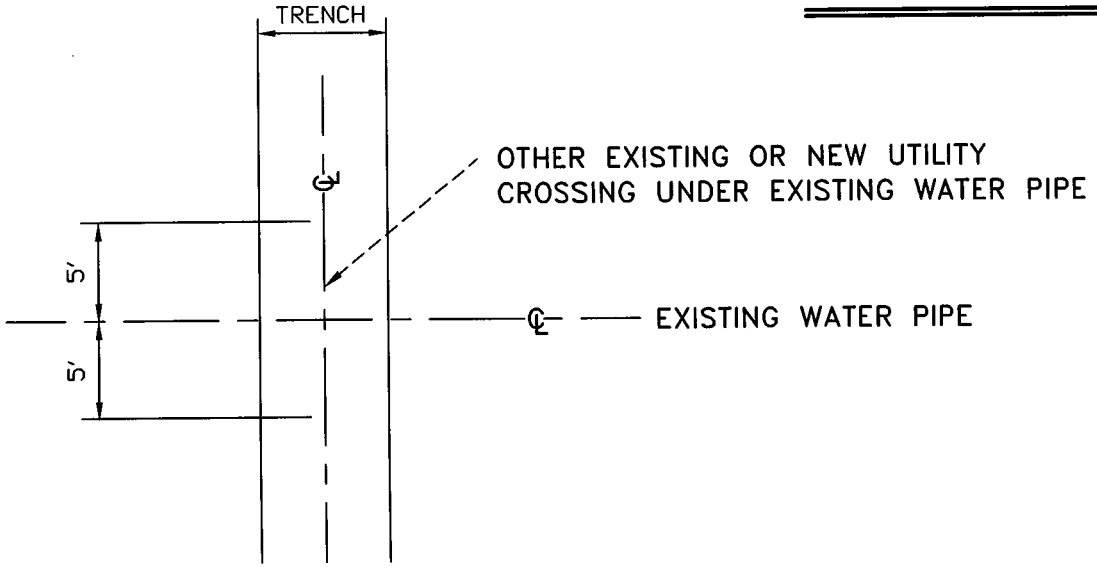
CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

BACKFILL & PAVEMENT RESTORATION REQUIREMENTS

Drawing No. PSD-042



CROSS SECTION



PLAN VIEW

NOTES:

1. IF TRENCH IS 8 FEET OR MORE IN WIDTH, SUPPORT WATER MAIN PER APWA - SOUTHERN CALIFORNIA CHAPTER STANDARD PLAN 224-0, CASE 1.
2. ALLOW 6" SEPARATION BETWEEN WATER MAIN AND NEW INSTALLATION
3. FOR SEWERS, FOLLOW CALIFORNIA DEPARTMENT OF HEALTH SERVICES SEPARATION REQUIREMENTS.

ASSISTANT GENERAL MANAGER

Fred Lantz *1/12/99*

DATE

NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

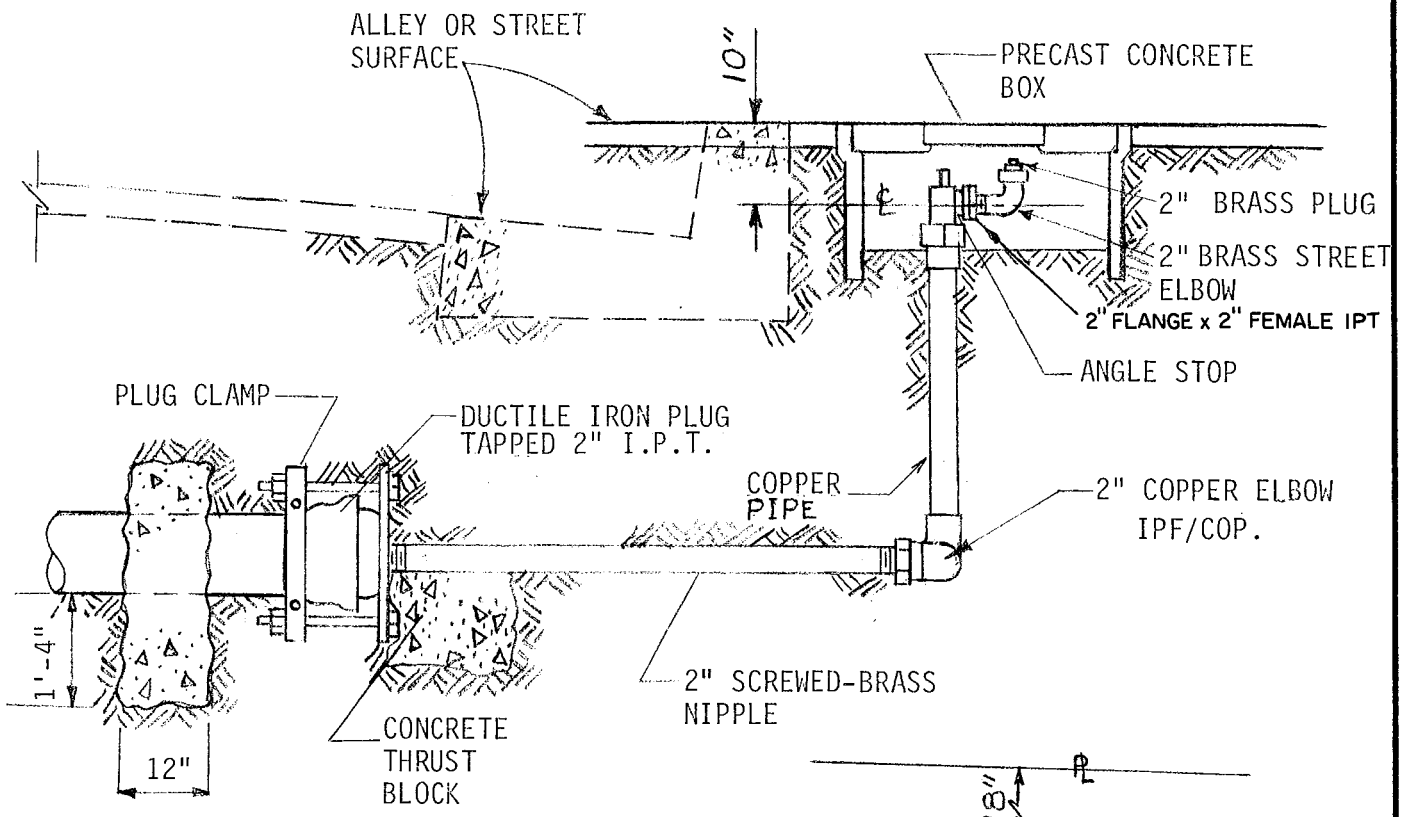
DRAWN	RPY	SCALE	N.T.S.	CHECK	PF 1/11/99	APP'V'D	AP 1/11/99	DATE	01-11-99

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

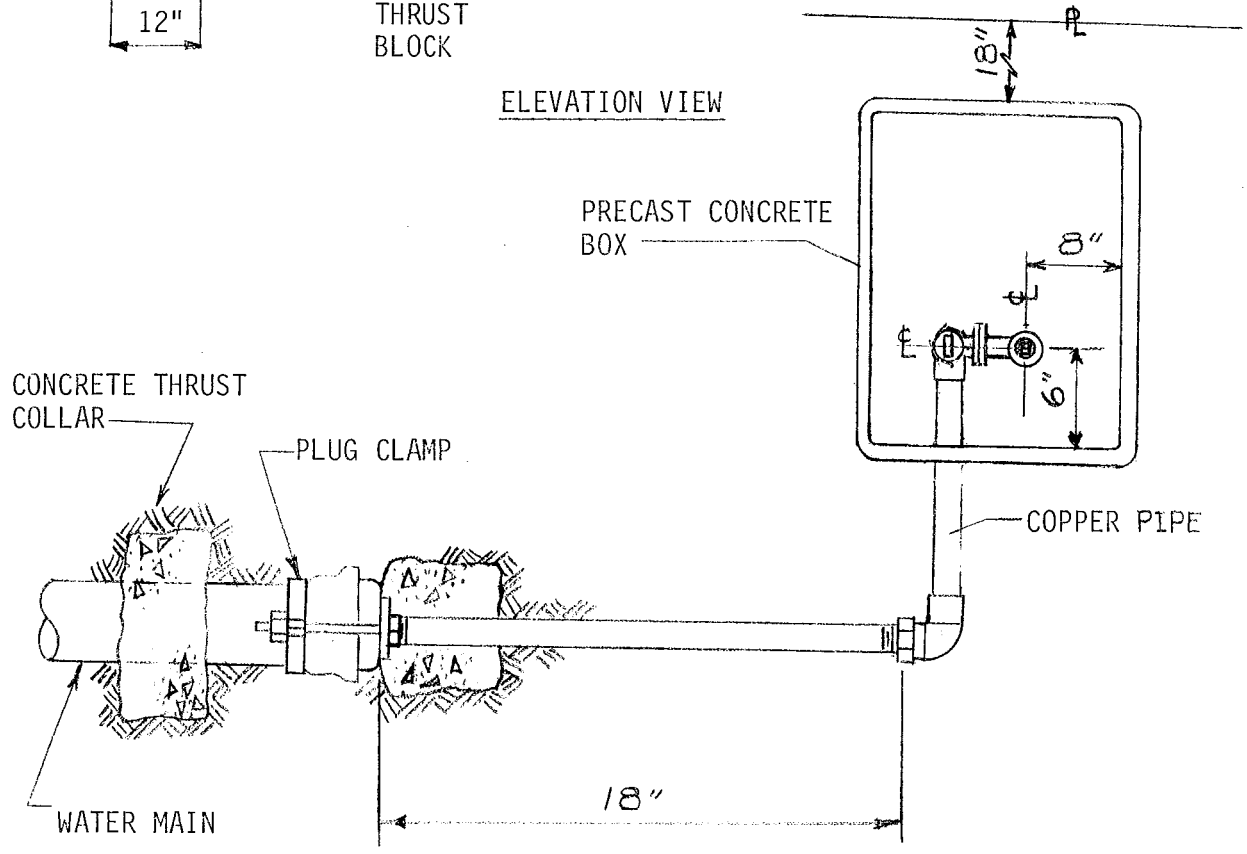
EXISTING WATER PIPE SUPPORTED WITH 1 SACK CEMENT SLURRY MIX

DRAWING NO.
PSD 043

84303



ELEVATION VIEW



PLAN VIEW

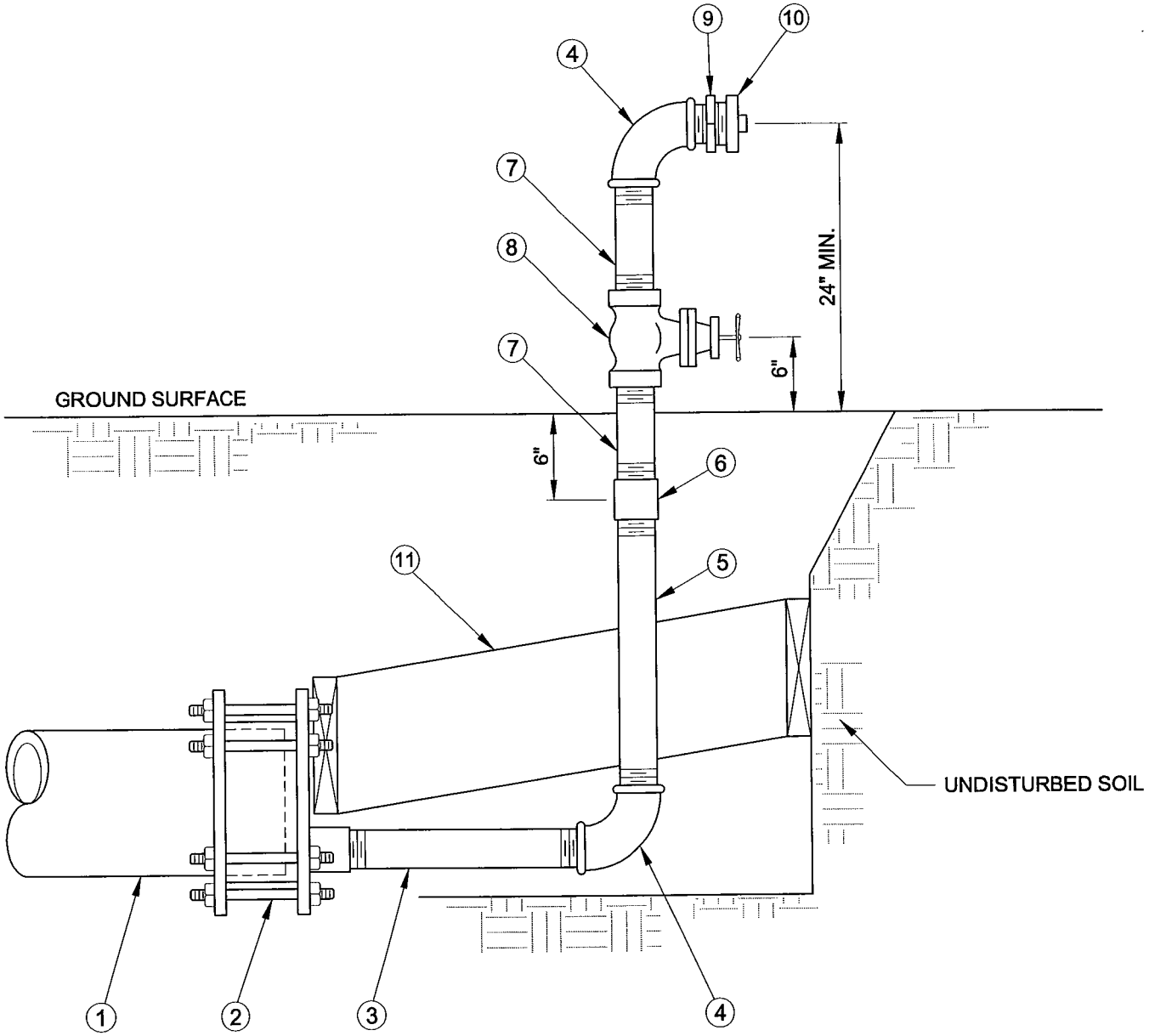
NO.	REVISIONS	BY	CHECK	APP'V'D	DATE
A	REVISION	RPY	WOA		4/12/00

DRAWN JimL. | SCALE N.T.S. | CHECK J.J.L. | APP'V'D | DATE 8-27-87

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

STANDARD WATER MAIN BLOW-OFF ASSEMBLY

DRAWING NO. PSD-411



GENERAL NOTES

A) CONTRACTOR SHALL LEAVE END CAP IN PLACE UNTIL FINAL TIE-IN BY CITY FORCES.

B) TEMPORARY BLOCKING SHALL CONSIST OF TIMBER OR RAILS.

BILL OF MATERIALS

ITEM	DESCRIPTION	QTY.
1	6" - 10" MAIN	PER PLAN
2	END CAP (OR CAST IRON w/ TAP)	1
3	2" x 20" +/- GALV. PIPE	1
4	2" GALV. 90° ELL	2
5	2" x 30" +/- GALV. PIPE	1
6	2" GALV. COUPLING	1
7	2" x 8" +/- GALV. PIPE	2
8	2" BRONZE GATE VALVE	1
9	2" M.I.P. x 2 1/2" M.H.T. BUSHING	1
10	2 1/2" HOSE CAP	1
11	TEMPORARY BLOCKING AS NEEDED	-

ASSISTANT GENERAL MANAGER

Fred Lantz 5/17/00

DATE

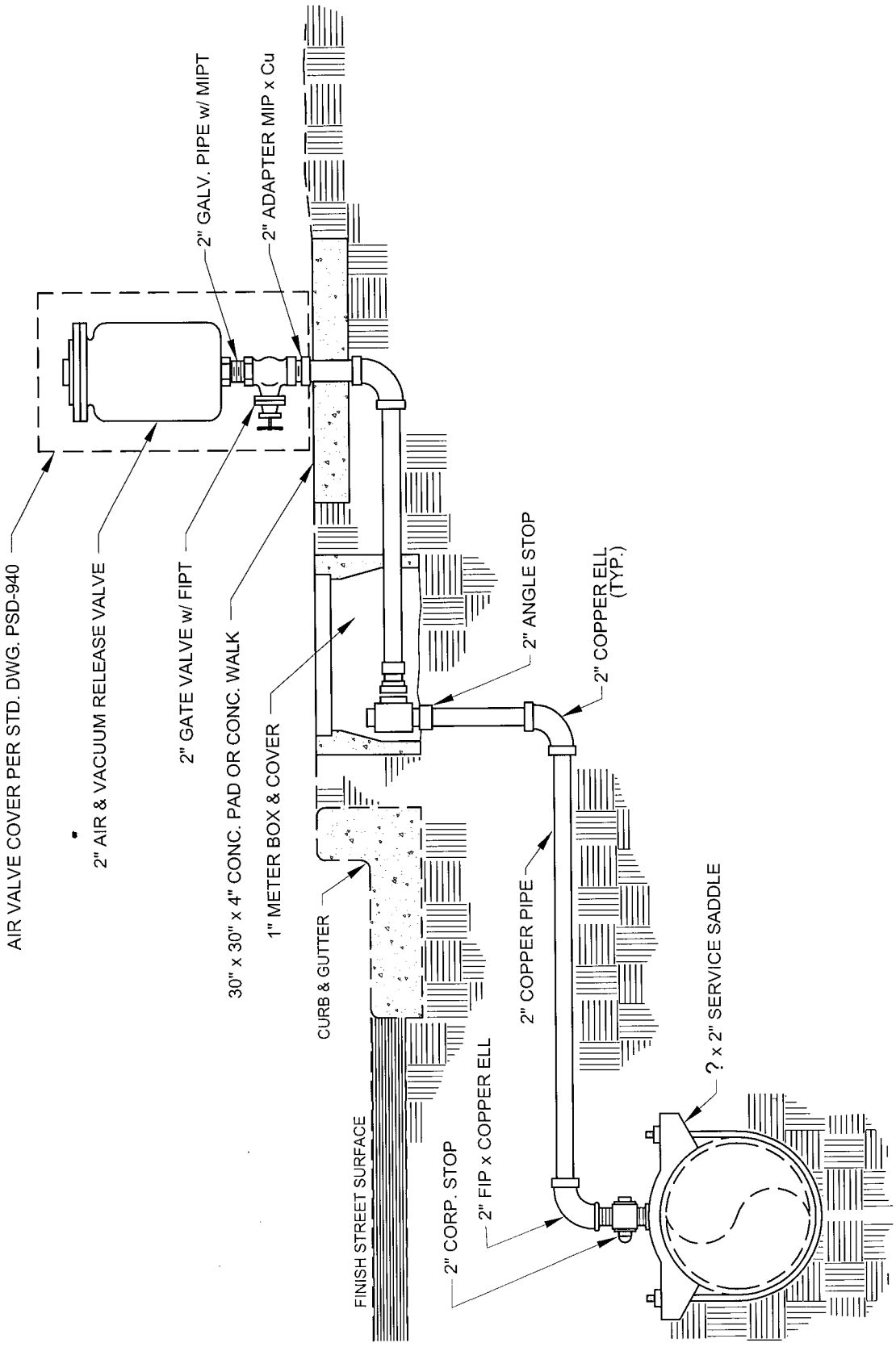
NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

DRAWN RPY | SCALE N.T.S. | CHECK MJ | APP'V'D WOM | DATE 5/2/00

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

6" - 10" TEMPORARY CONSTRUCTION END CAPS

DRAWING NO. PSD-412



ASSISTANT GENERAL MANAGER

Fred Lantz 5/17/00

DATE

NO.	REVISIONS	BY	CHECK	APP'V'D	DATE
A	ADD 2" ANGLE STOP	RPY	BN	WDM	7/31/07

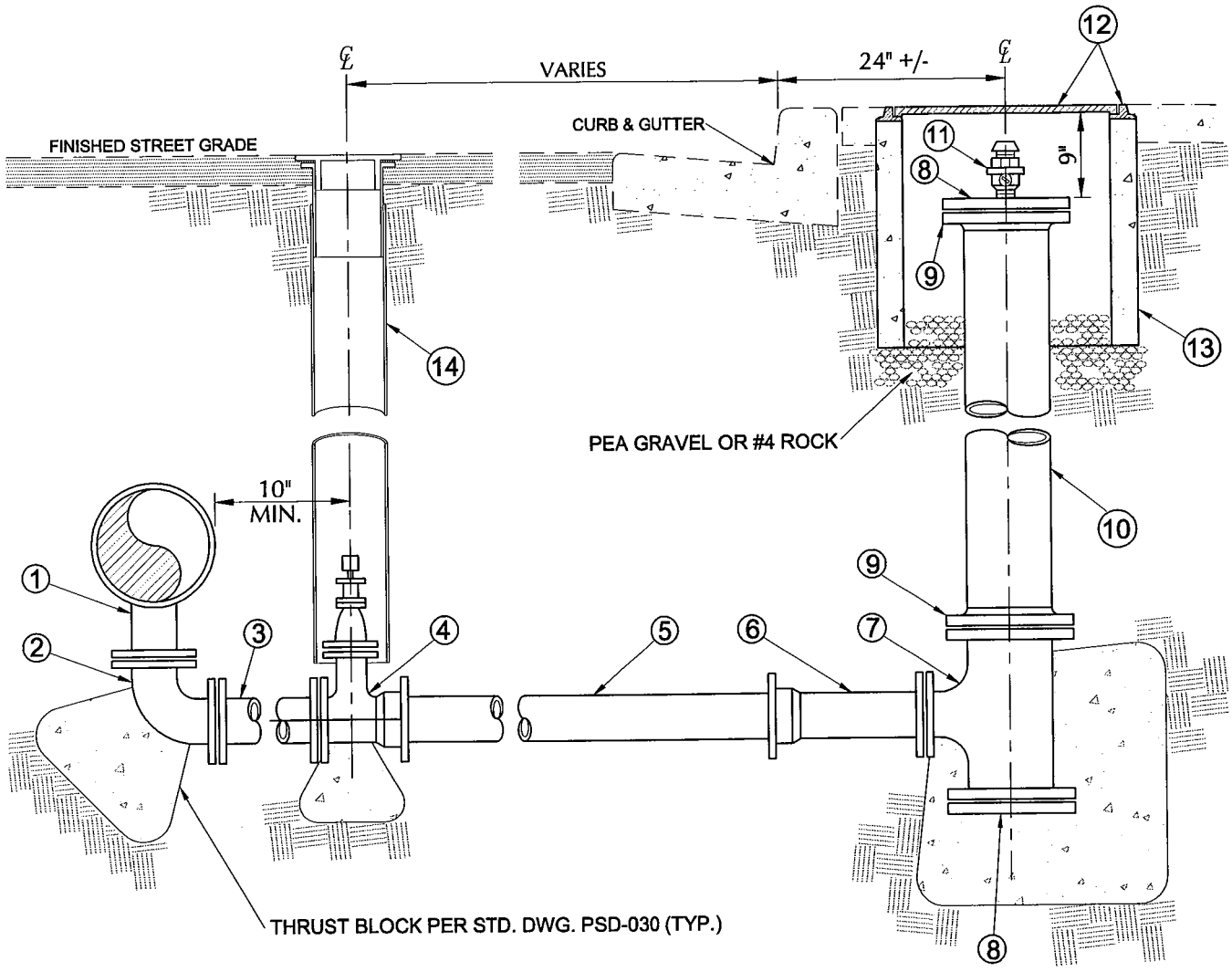
DRAWN	SCALE	CHECK	APP'V'D	DATE
RPY	N.T.S.	PF	WDM	5/9/00

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

2" AUTOMATIC AIR & VACUUM RELEASE VALVE

DRAWING NO.

PSD-413



BILL OF MATERIALS

ITEM	DESCRIPTION	QTY
1	? x 4" TEE (MJxFL) CEMENT LINED DUCTILE IRON	1
2	4" 90° BEND (FL) CEMENT LINED DUCTILE IRON	1
3	4" SPOOL (FL) CEMENT LINED DUCTILE IRON	1
4	4" GATE VALVE (FLxMJ)	1
5	4" DUCTILE IRON PIPE CEMENT LINED (LENGTH AS REQUIRED)	
6	4" ADAPTER (FLxMJ) CEMENT LINED DUCTILE IRON	1
7	8" x 4" TEE (FL) CEMENT LINED DUCTILE IRON	1
8	8" BLIND FLANGE (1 DRILLED & TAPPED FOR 3/4" IPT CORP. STOP)	2
9	8" UNI-FLANGE	2
10	8" DUCTILE IRON PIPE CEMENT LINED (LENGTH AS REQUIRED)	
11	3/4" CORP. STOP (IPxCU) w/ 3/4" GALV. CAP	1
12	MANHOLE FRAME & COVER (ALHAMBRA FOUNDARY A-1530 OR EQUAL)	1
13	MANHOLE SECTION (JENSEN 2432 GR-12 GRADE RING OR EQUAL)	2
14	VALVE BOX PER STD. DWG. PSD-500	1

ASSISTANT GENERAL MANAGER

Fred Rantz 5/17/00

DATE

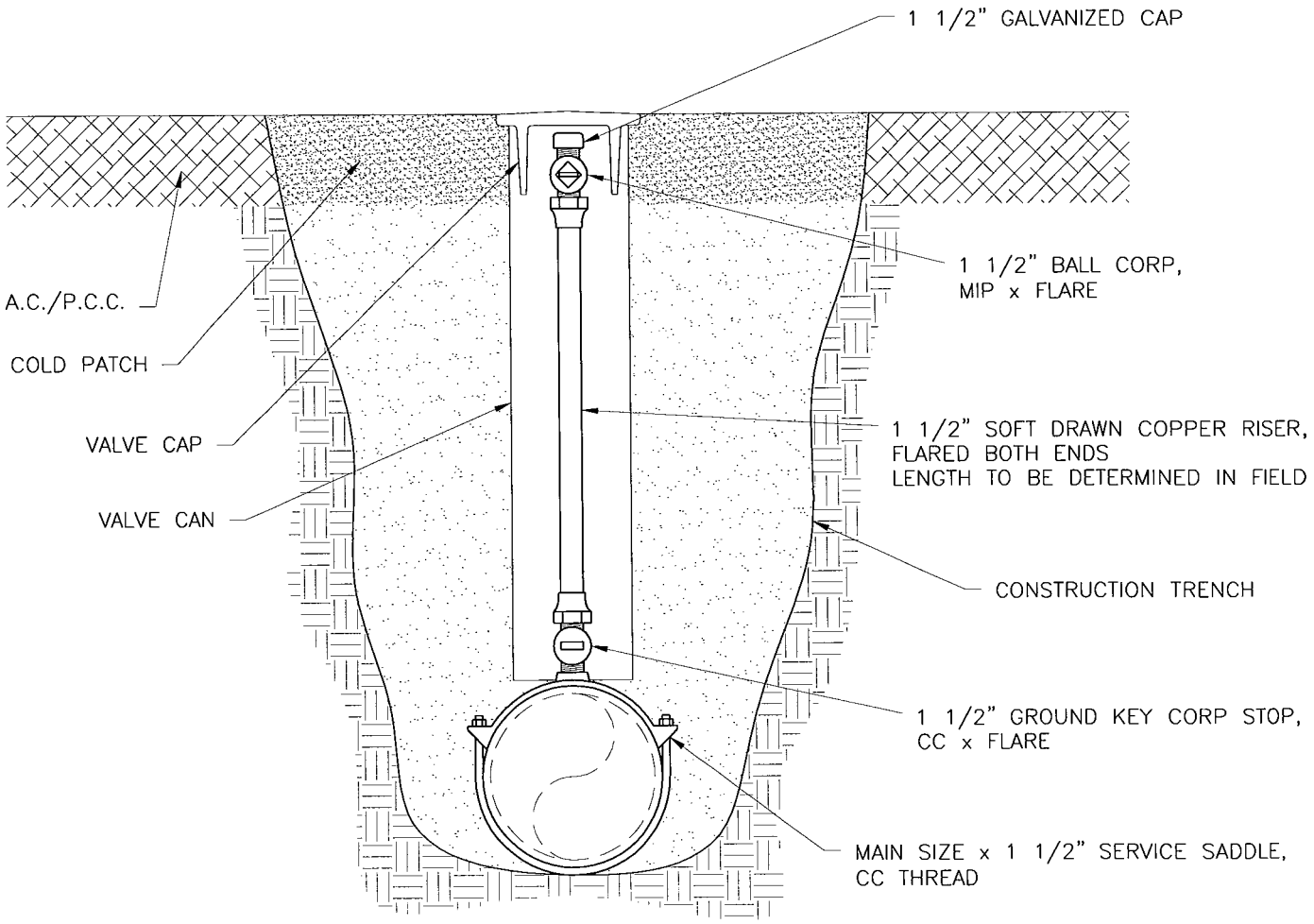
NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

TYPICAL 4" BLOW-OFF

DRAWING NO. PSD-414

DRAWN RPY | SCALE N.T.S. | CHECK | APP'V'D WOM | DATE 4-17-00



WATER SYSTEM MANAGER

Randy DATE 6/7/01

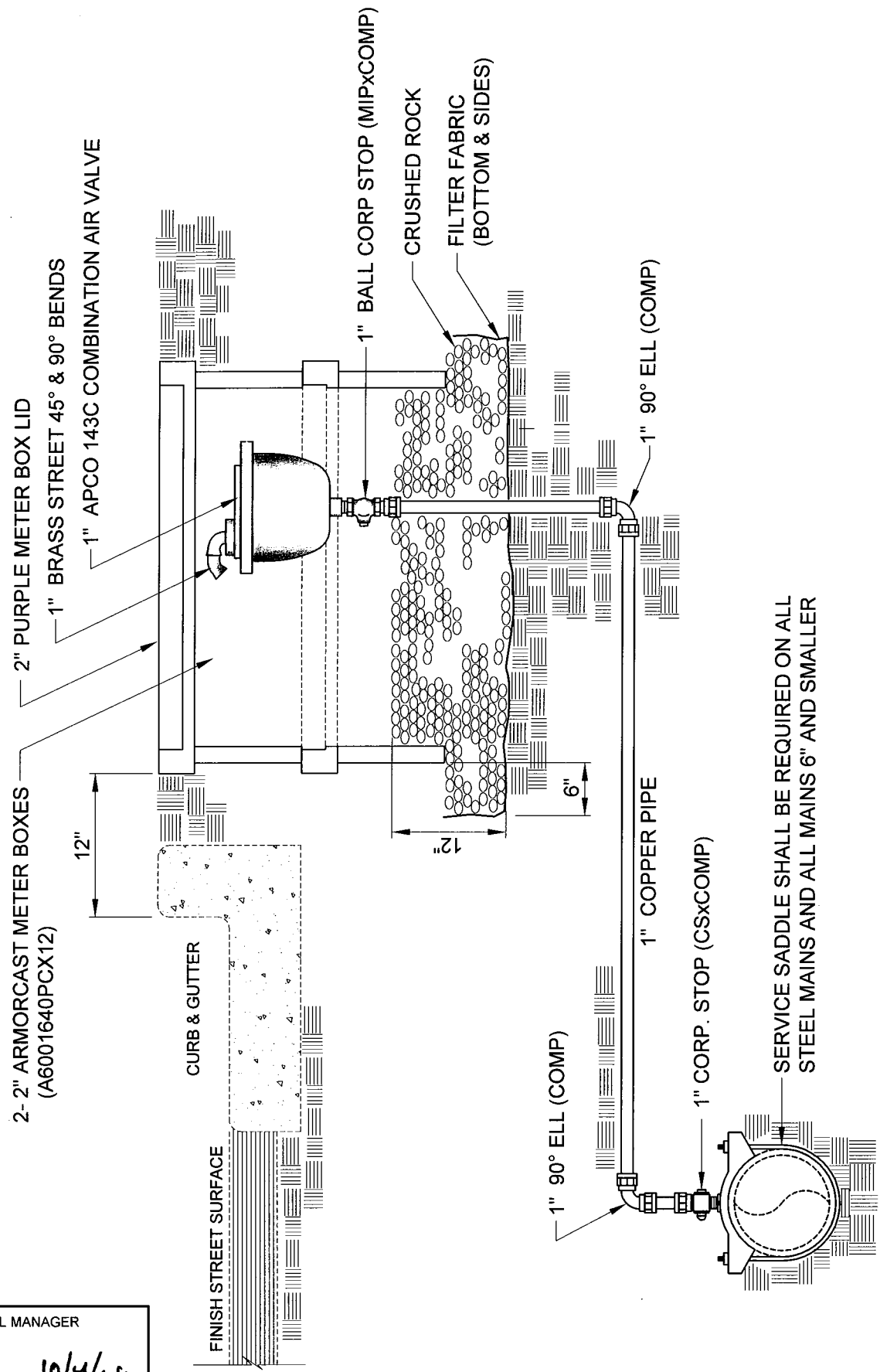
NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

DRAWN D.W. | SCALE N.T.S. | CHECK 6/6/01 | APP'V'D WDM 6/7/01 | DATE 6/5/01

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

1 1/2" CHLORINATION RISER

DRAWING NO. PSD-415



ASSISTANT GENERAL MANAGER

W.O. Mow 10/4/10
DATE

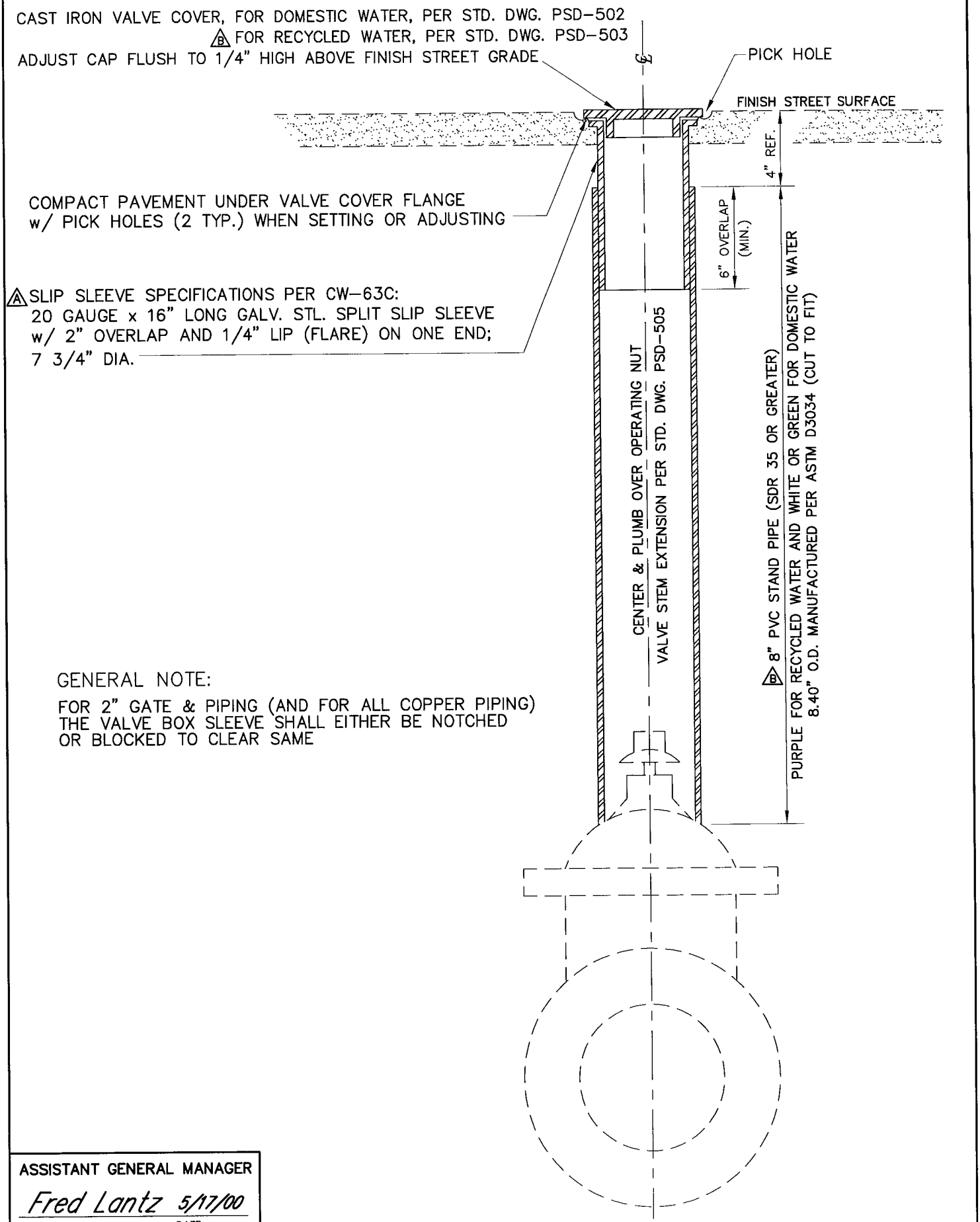
NO.	REVISIONS	BY	CHECK	APP'VD	DATE

DRAWN RPY | SCALE N.T.S. | CHECK | APP'VD BN | DATE 9/29/10

CITY OF BURBANK
WATER AND POWER

1" AUTOMATIC AIR & VACUUM RELEASE VALVE FOR RECYCLED MAINS

DRAWING NO.
BWP- 416



GENERAL NOTE:

FOR 2" GATE & PIPING (AND FOR ALL COPPER PIPING) THE VALVE BOX SLEEVE SHALL EITHER BE NOTCHED OR BLOCKED TO CLEAR SAME

ASSISTANT GENERAL MANAGER

Fred Lantz 5/17/00

DATE

NO.	REVISIONS	BY	CHECK	APP'V'D	DATE
B	REVISE STAND PIPE (RECYCLED)	RPY	BN	WOM	6/11/08
A	REVISE SLIP SLEEVE DIMENSIONS	RPY	PF	WOM	9/11/01

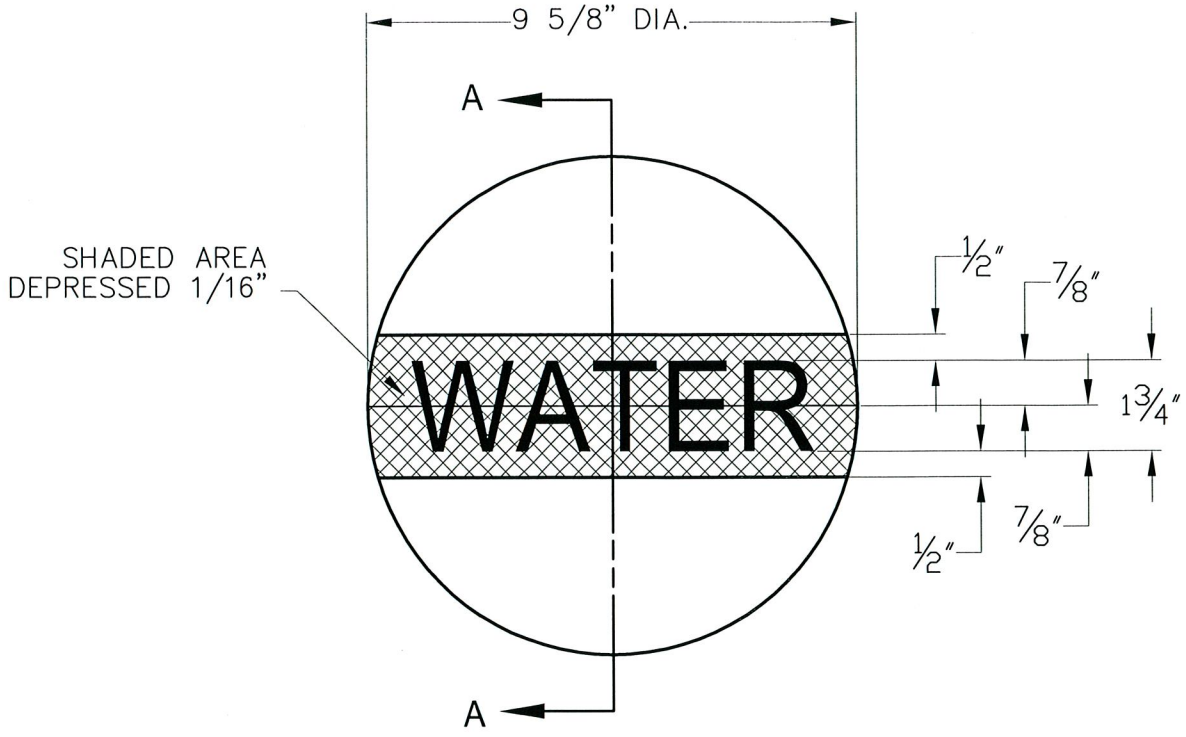
DRAWN	SCALE	CHECK	APP'V'D	DATE
RPY	N.T.S.	*PF*	*WOM*	*4-13-00*

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

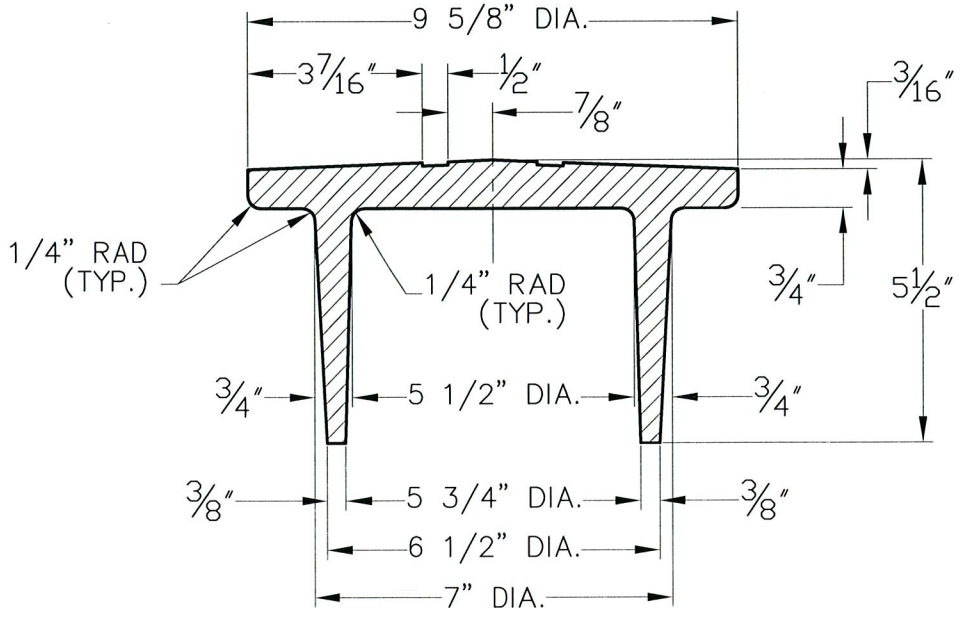
TYPICAL VALVE BOX FOR GATE VALVES

DRAWING NO.

PSD-500



PLAN VIEW



SECTION A - A

ASSISTANT GENERAL MANAGER

Fred Lantz 3/12/98
DATE

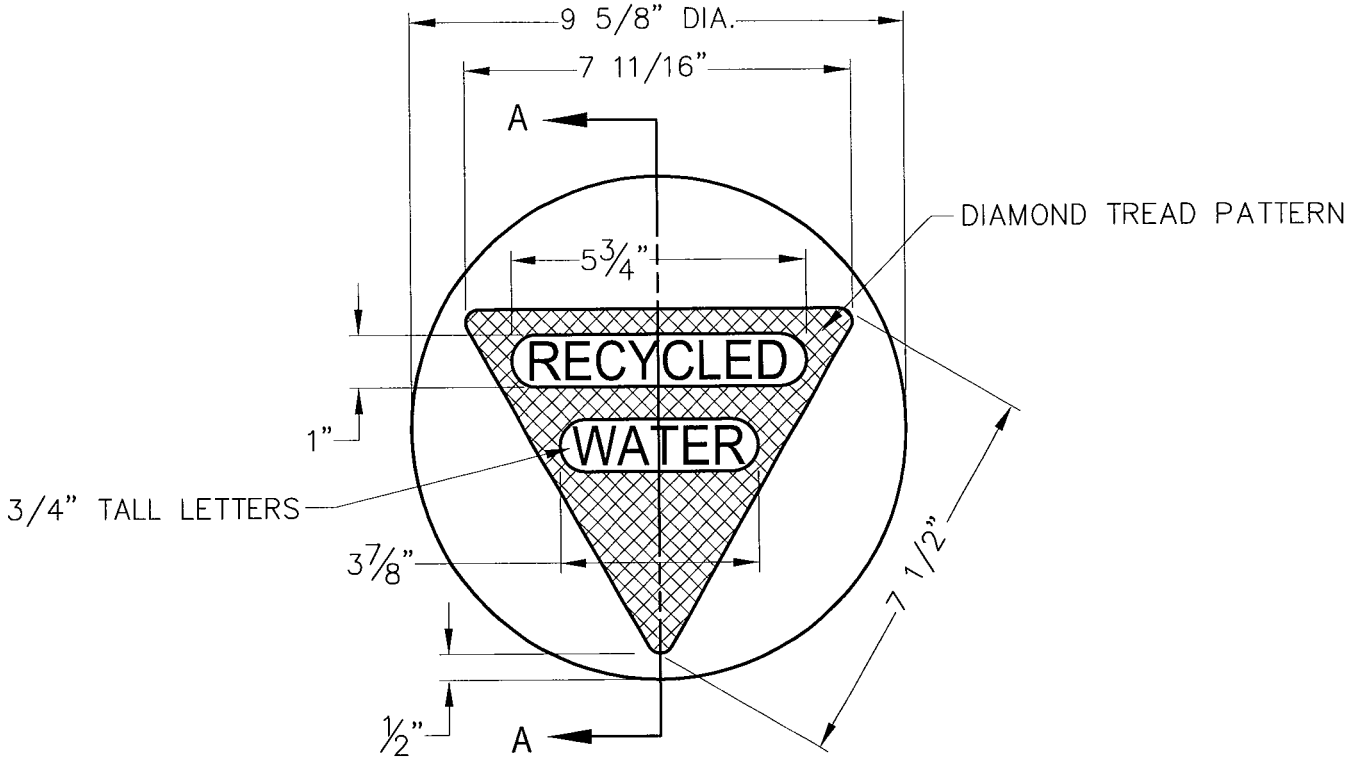
NO.	REVISIONS	BY	CHECK	APP'VD	DATE
A	DOMESTIC WATER USE	RPY		BN	6/10/98

DRAWN RPY | SCALE N.T.S. | CHECK J.J.L. | APP'VD PF | DATE 2-13-98

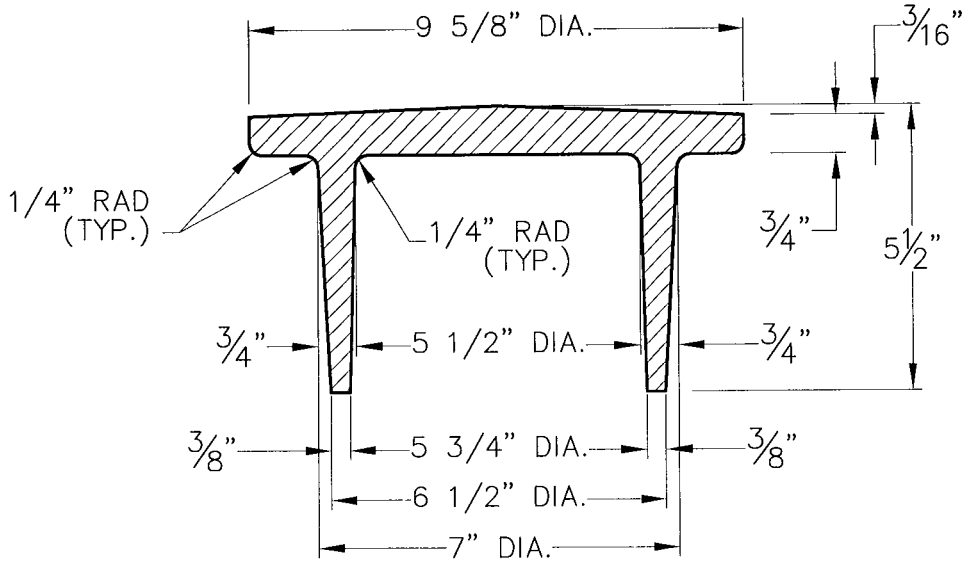
CITY OF BURBANK
WATER AND POWER

WATER DIVISION
CAST IRON VALVE COVER
(DOMESTIC)

DRAWING NO.
PSD-502



PLAN VIEW



SECTION A - A

FINISH:
BITUMINOUS PAINT

ASSISTANT GENERAL MANAGER
W.O. Mew 6/11/08
DATE

NO.	REVISIONS	BY	CHECK	APP'VD	DATE

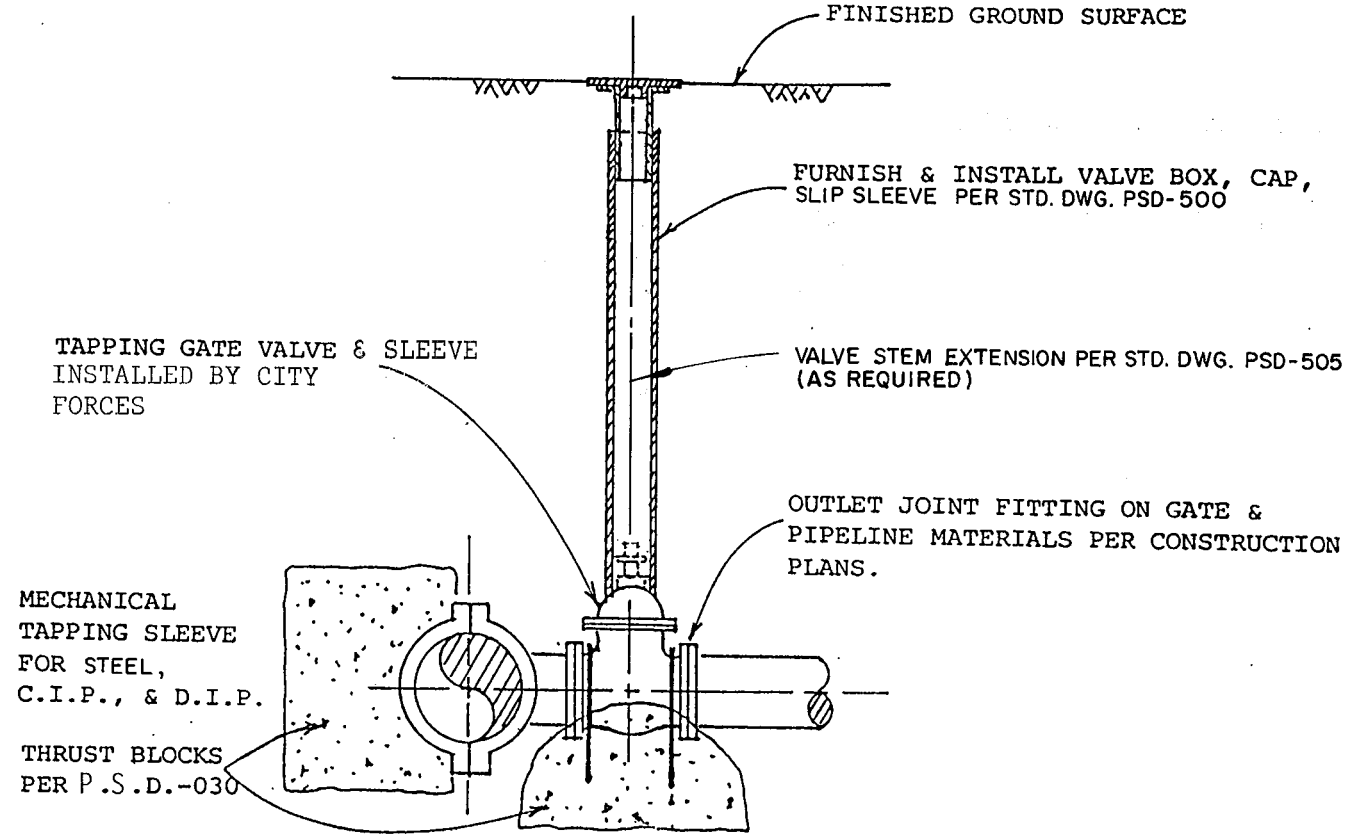
CITY OF BURBANK
WATER AND POWER

WATER DIVISION
CAST IRON VALVE COVER
(RECYCLED)

DRAWING NO.
BWP-503

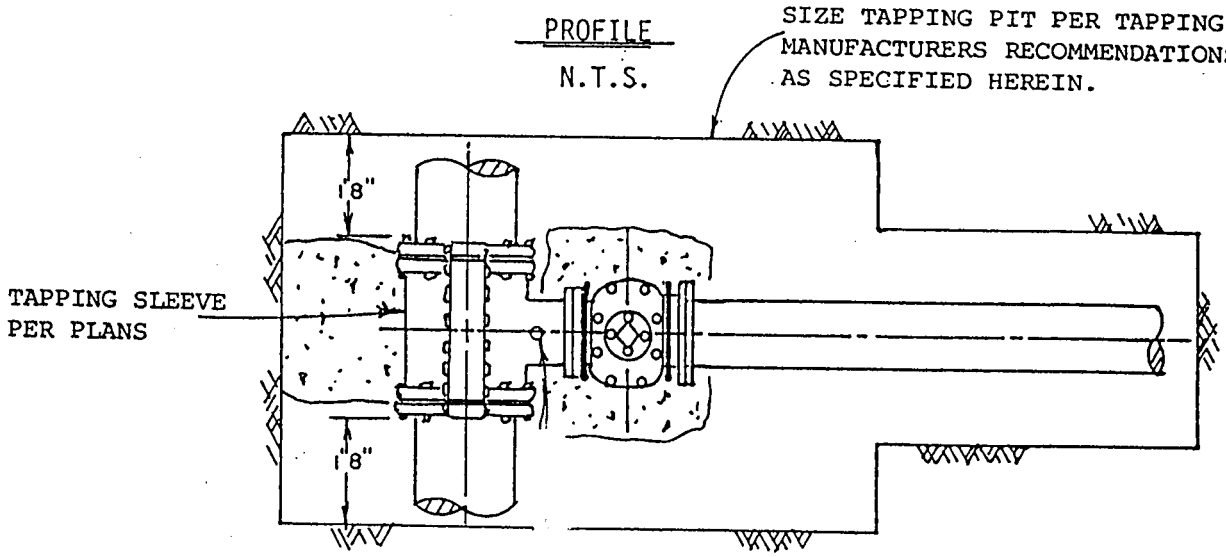
DRAWN	RPY	SCALE	N.T.S.	CHECK	ME	APP'VD		DATE	6/10/08

84303



PROFILE

N.T.S.



PLAN

N.T.S.

GENERAL NOTES:

(1) INSTALL TAPPING TEE THRUST BLOCK PRIOR TO TAPPING MAIN.

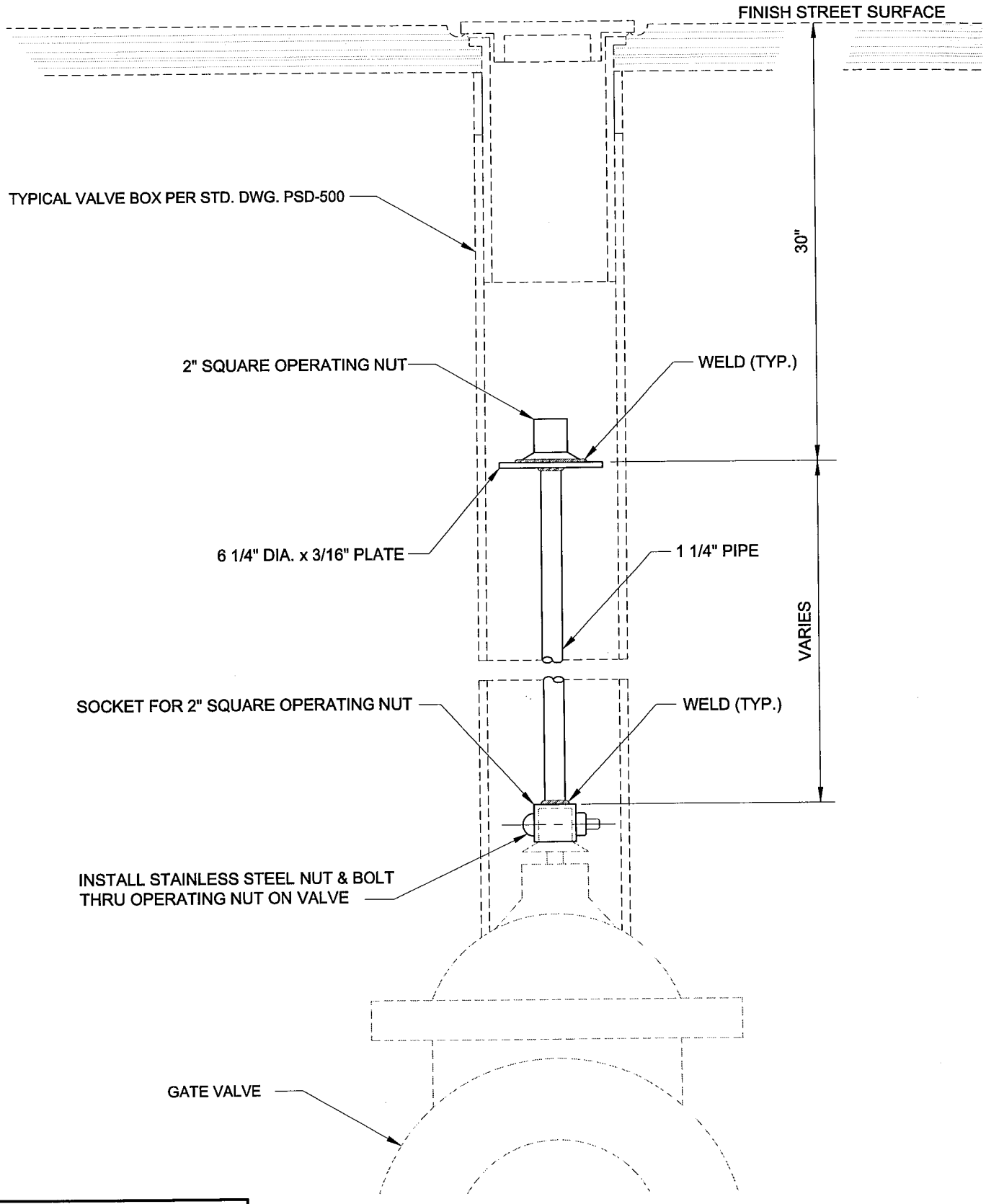
No.	REVISIONS	BY	CHECK	APP'V'D	DATE
A	REVISE NOTES	RPY			3/14/00

DRAWN R.T | SCALE N.T.S | CHECK J.J.L. | APP'V'D | DATE 12-10-87

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

TAPPING SLEEVE AND TAPPING VALVE DETAIL

DRAWING NO. PSD-504



ASSISTANT GENERAL MANAGER

Fred Rantz 5/17/00
DATE

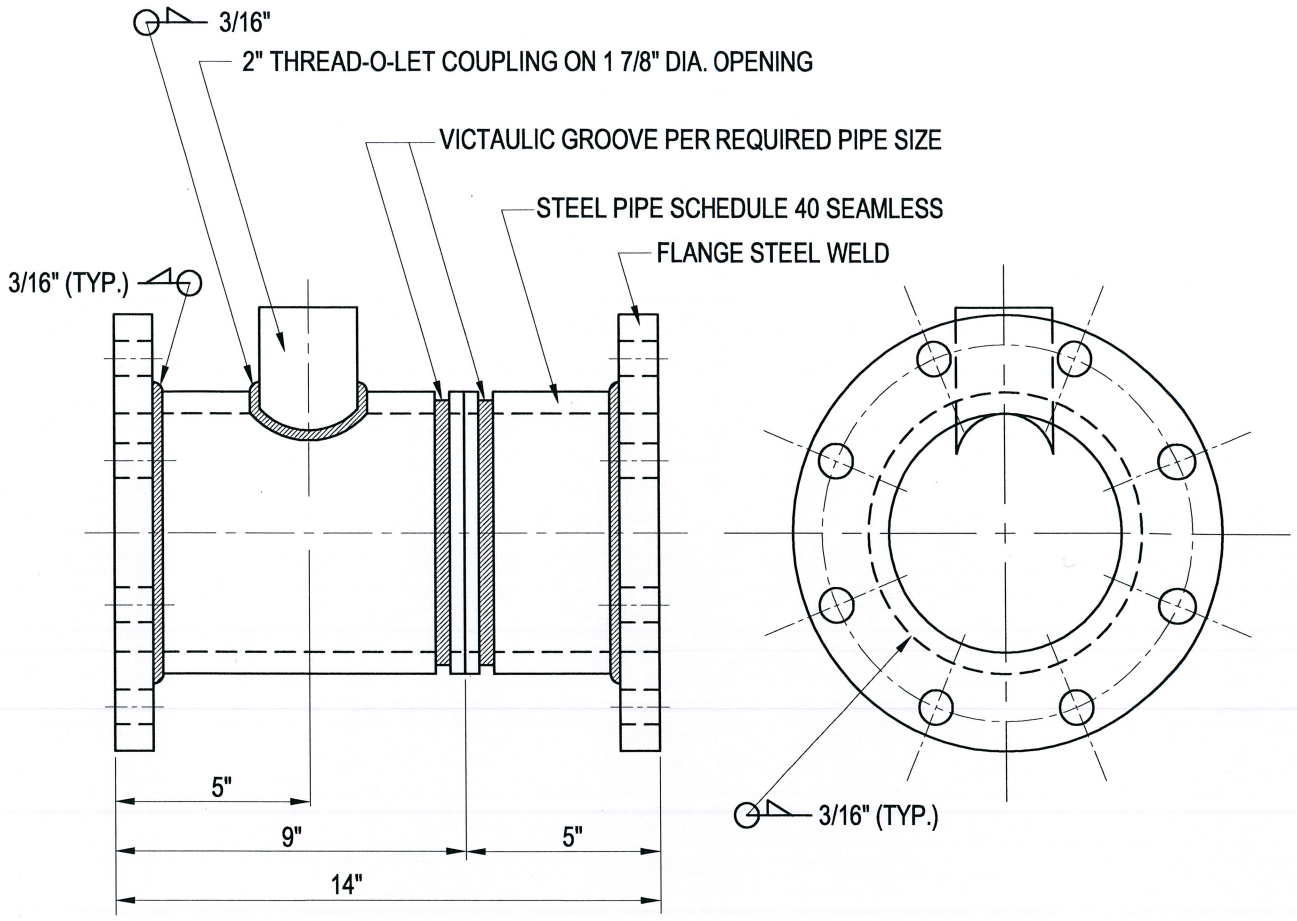
NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

DRAWN	RPY	SCALE	N.T.S.	CHECK		APP'V'D	WOM	DATE	5/3/00

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

VALVE STEM EXTENSION

DRAWING NO.
PSD-505



PAINT: PRIMER (FOR OUTDOOR STORAGE)

DESCRIPTION	PSD STOCK NO.
3" FLANGED VICTAULIC SPOOL	12.373300
4" FLANGED VICTAULIC SPOOL	12.533300
6" FLANGED VICTAULIC SPOOL	12.653300
8" FLANGED VICTAULIC SPOOL	12.693300
10" FLANGED VICTAULIC SPOOL	TO BE MADE UP AS REQUIRED

ASSISTANT GENERAL MANAGER

Fred Lantz 5/17/00

DATE

NO.	REVISIONS	BY	CHECK	APP'V'D	DATE
B	ADD 3" SPOOL	RPY		BN	2/9/11
A	REVISE THREAD-O-LET COUPLING LOCATION	RPY	JJL	WOM	11/6/02

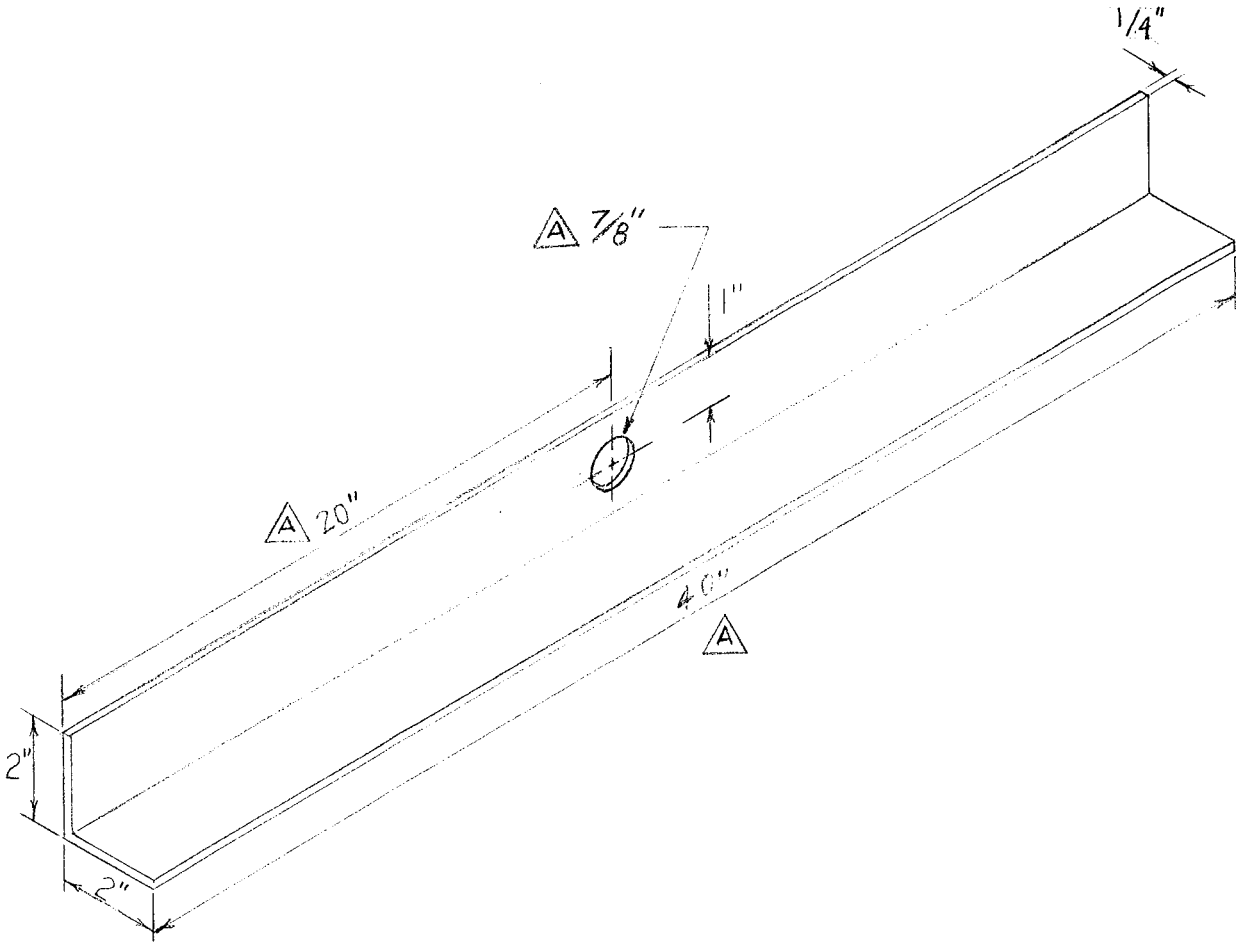
DRAWN	SCALE	CHECK	APP'V'D	DATE
RPY	N.T.S.	PF	WOM	4-17-00

CITY OF BURBANK
WATER AND POWER

FLANGED VICTAULIC SPOOL

DRAWING NO.
BWP-602

84303



Catalog Description	Stock No.
Angle Iron 2" x 2" x 1/4"	61-0536.00

Stock No. 43-6010.00

NOTE: For 4" and 6" Fire Service

WATER SYSTEM MANAGER DATE: 8/25/89

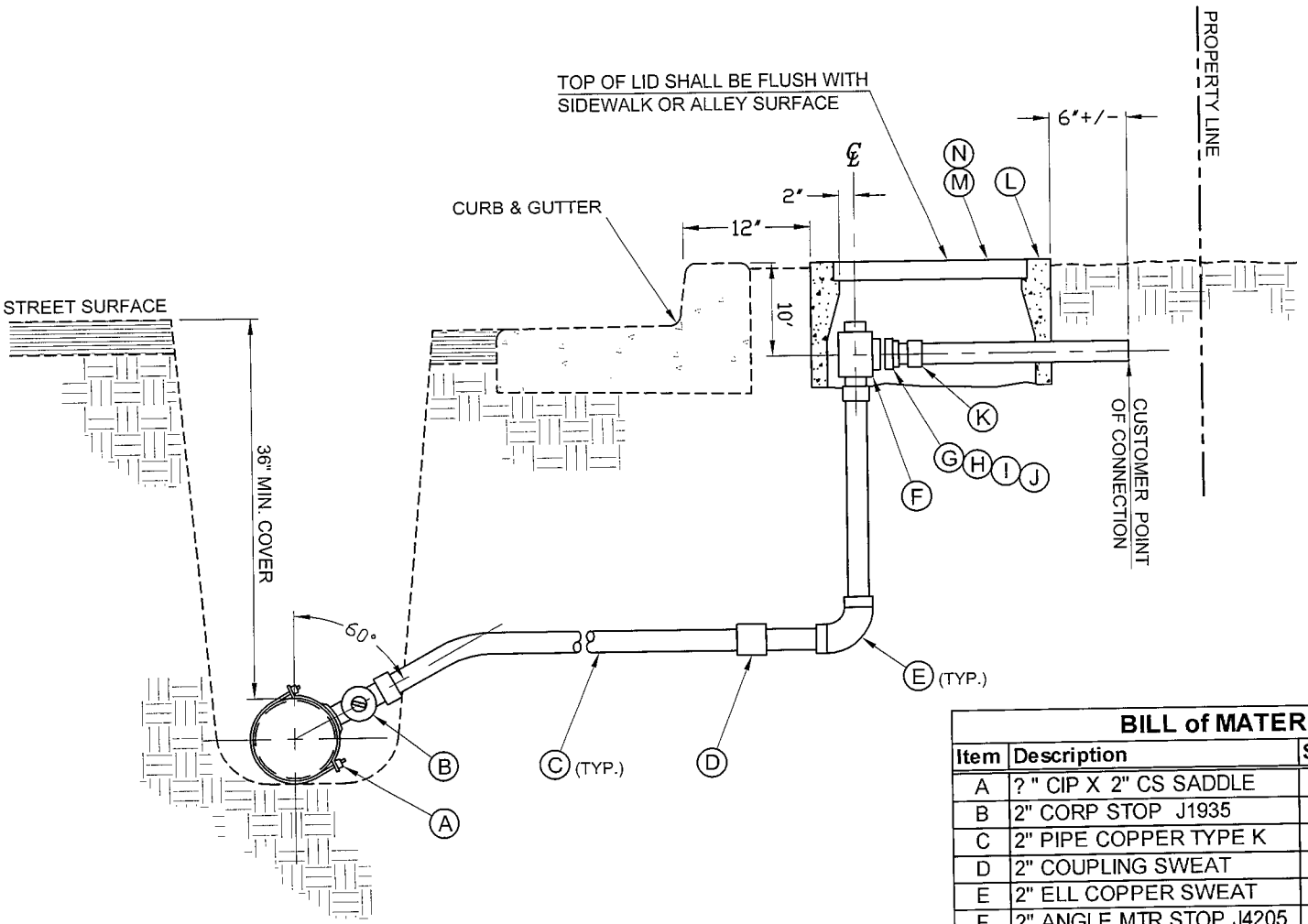
No.	REVISIONS	BY	CHECK	APP'V'D	DATE
A	REVISED DIMENSIONS	MG	JJL		1/22/90

DRAWN RM | SCALE N.T.S. | CHECK WOM | APP'V'D CRB | DATE 8/11/89

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

FIRE SERVICE
JOINT RESTRAINT

DRAWING NO.
PSD-603



NOTES

1. COORDINATE LOCATION OF SERVICE WITH CUSTOMER.
2. ABOVE GROUND ASSEMBLY SHALL BE IN PLANTER AREA.
3. BY-PASS METER TO BE PROVIDED & INSTALLED BY CITY AFTER CUSTOMER INSTALLS DOUBLE CHECK DETECTOR ASSEMBLY. (SEE STD. DWG. PSD.615)

BILL of MATERIAL

Item	Description	Stock No.	Qty
A	? " CIP X 2" CS SADDLE	-	1 Ea.
B	2" CORP STOP J1935	13.716000	1 Ea.
C	2" PIPE COPPER TYPE K	13.585000	? Ft.
D	2" COUPLING SWEAT	13.584400	1 Ea.
E	2" ELL COPPER SWEAT	13.576700	1 Ea.
F	2" ANGLE MTR STOP J4205	13.716500	1 Ea.
G	2" FLANGE GASKET	43.202005	1 Ea.
H	2" METER FLANGE BRZ	43.202000	1 Ea.
I	5/8" x 2 1/4" BOLT	66.310622	2 Ea.
J	5/8" NUT	66.240406	2 Ea.
K	2" COUPLING COP-MIPT	13.580600	1 Ea.
L	METER BOX 1 BRK 37S	43.401100	1 Ea.
M	COVER CNC 1 BRK 37S	43.421700	1 Ea.
N	READ LID 1 BRK 37S	43.503520	1 Ea.
O	5/8" x 3/4" BY-PASS METER	SEE NOTE 3	1 Ea.

ASSISTANT GENERAL MANAGER

Fred Lantz 6/21/00

DATE

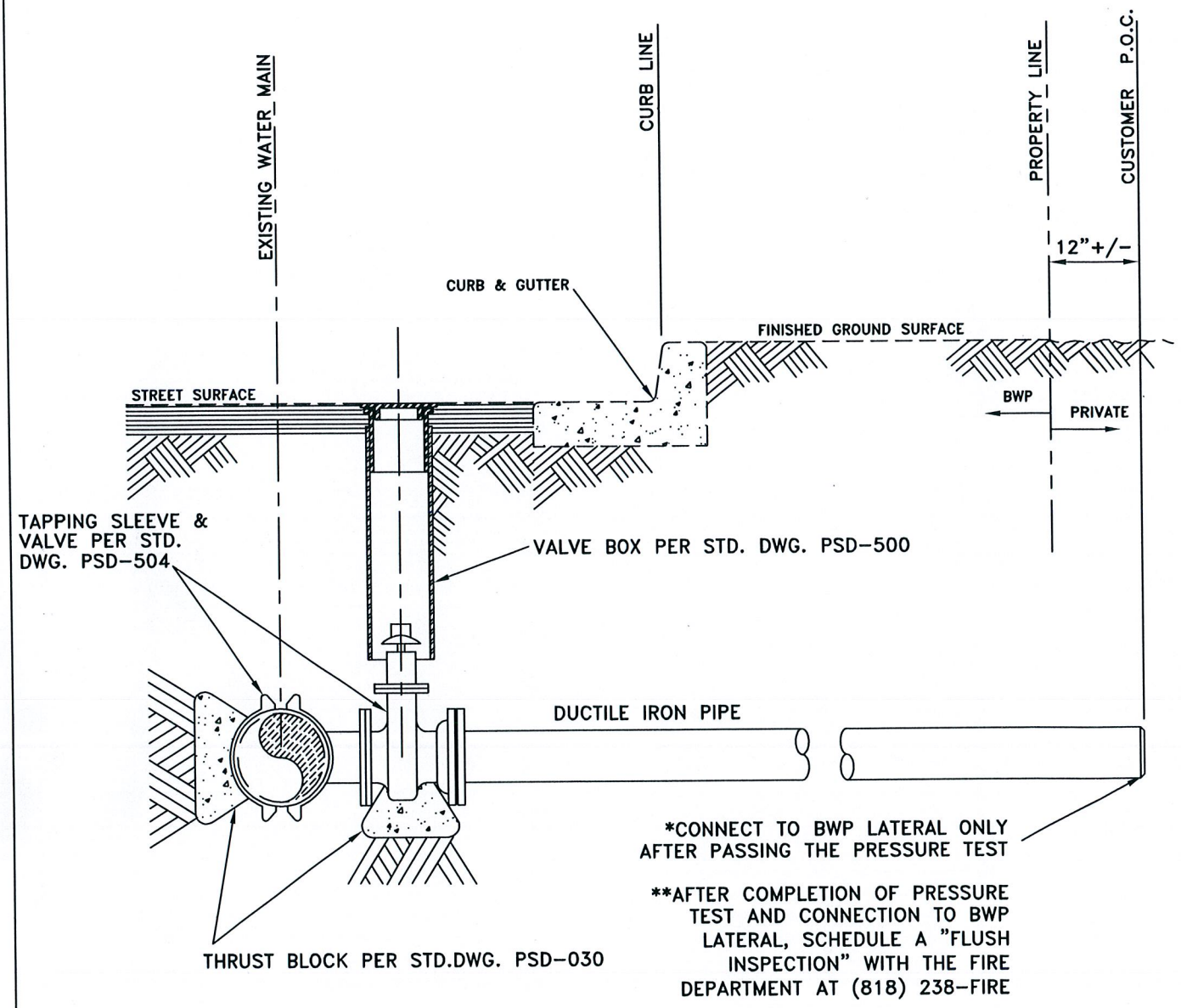
NO.	REVISIONS	BY	CHECK	APP'V'D	DATE
A	ELIMINATE ABOVE GROUND ASSEMBLY	RPY	RFH WDM	WDM	6/16/00

DRAWN	SCALE	CHECK	APP'V'D
RPY	N.T.S.	PF	WDM

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

STANDARD 2" FIRE SERVICE LATERAL

DRAWING NO. PSD-605



NOTES

1. COORDINATE LATERAL LOCATION WITH CUSTOMER.
2. CUSTOMER POINT OF CONNECTION AT PLAIN END. (WITHIN 12" +/- OF PROPERTY LINE)
3. CUSTOMER SHALL PROVIDE A DOUBLE CHECK DETECTOR OR REDUCED PRESSURE PRINCIPAL BACKFLOW PREVENTER ASSEMBLY FROM THE "LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES", LATEST ISSUE BY THE FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH, USC.
4. SEE STD. DWG. PSD-615 FOR BACKFLOW DEVICE REQUIRED CLEARANCES.

ASSISTANT GENERAL MANAGER

FRED LANTZ *5/17/00*

DATE

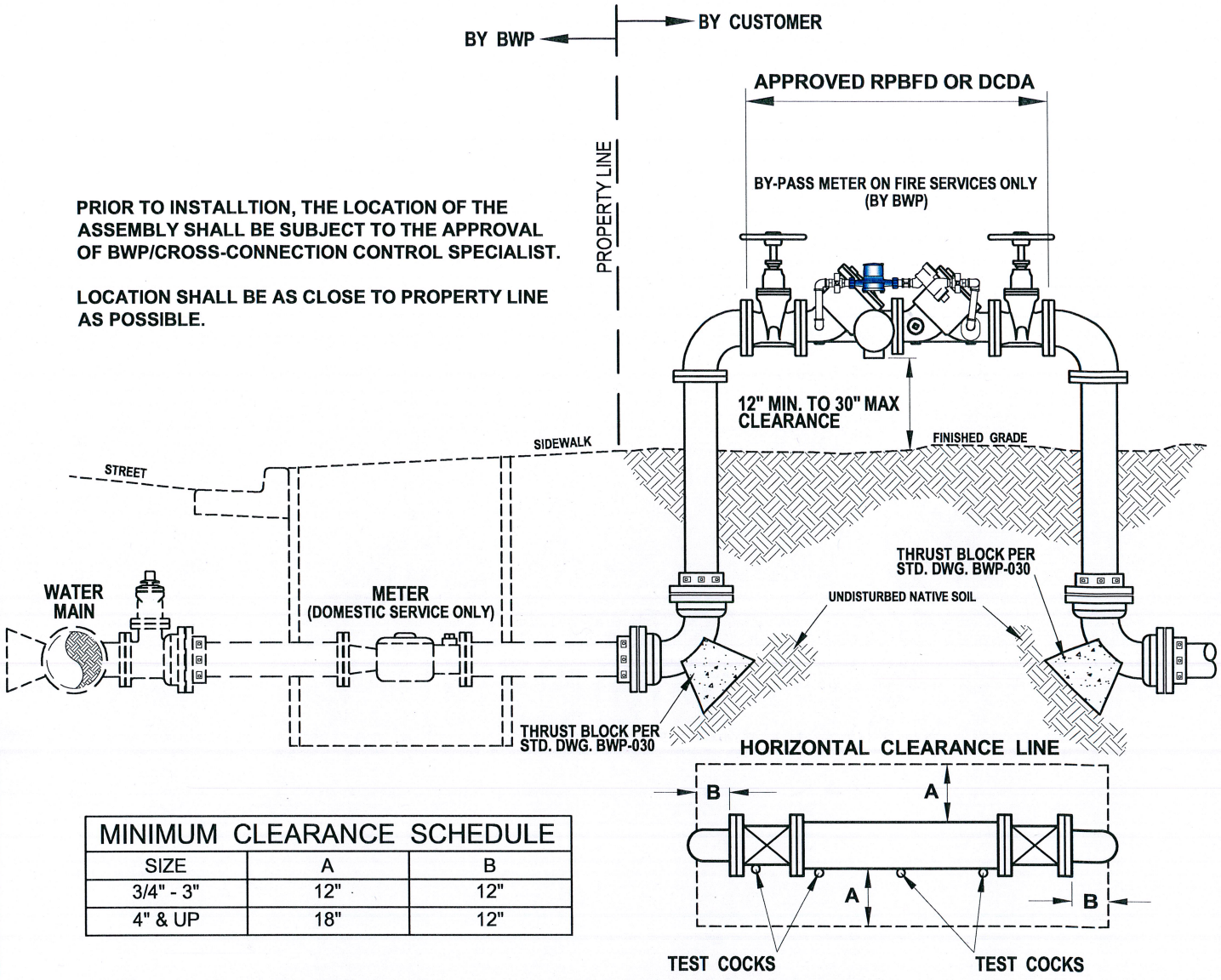
NO.	REVISIONS	BY	CHECK	APP'V'D	DATE
B	LATERAL CONNECTION AND FLUSH INSPECTION NOTES	MJH		BN	2/27/08
A	PIPE MATERIAL	RPY			8/23/01

DRAWN	SCALE	CHECK	APP'V'D	DATE
RPY	N.T.S.	PF	WOM	2/17/99

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

LATERAL FOR ABOVE GROUND FIRE SERVICE / CONTRACTOR

DRAWING NO. PSD-612A



PRIOR TO INSTALLTION, THE LOCATION OF THE ASSEMBLY SHALL BE SUBJECT TO THE APPROVAL OF BWP/CROSS-CONNECTION CONTROL SPECIALIST.

LOCATION SHALL BE AS CLOSE TO PROPERTY LINE AS POSSIBLE.

MINIMUM CLEARANCE SCHEDULE		
SIZE	A	B
3/4" - 3"	12"	12"
4" & UP	18"	12"

SERVICE TYPE	BACKFLOW ASSEMBLY TYPE
DOMESTIC SERVICE	REDUCED PRESSURE BACKFLOW DEVICE (RPBFD)
FIRE SERVICE	DOUBLE CHECK DETECTOR ASSEMBLY (DCDA)

***NOTES*:**

1. NEW DEVICES MUST BE INSPECTED AND TESTED IMMEDIATELY AFTER INSTALLATION. PLEASE CALL THE BWP/CROSS-CONNECTION CONTROL SPECIALIST FOR MORE INFORMATION (818) 238-3500
2. NO CONNECTIONS OR TEES ARE PERMITTED BETWEEN THE METER AND BACKFLOW PREVENTER POINT OF CONNECTION
3. THIS INSTALLATION IS TYPICAL; CLEARANCES SHALL APPLY TO ALL OTHER TYPES OF BACKFLOW PREVENTION DEVICES
4. BACKFLOW ASSEMBLIES SHALL BE SAME SIZE AS BUILDING SERVICE LINE
5. ALL ASSEMBLIES MUST BE LEAD FREE
6. THE BACKFLOW ASSEMBLY SHALL BE FROM THE LIST OF "APPROVED BACKFLOW PREVENTION ASSEMBLIES" BY THE CROSS-CONNECTION CONTROL FOUNDATION, UNIVERSITY OF SOUTHERN CALIFORNIA

ASSISTANT GENERAL MANAGER

Fred Lantz 4/24/89

DATE

NO.	REVISIONS	BY	CHECK	APP'V'D	DATE
C	REVISED NOTE 5	RPY		BN	11/27/18
B	ADDITIONAL NOTES	RPY		BN	3/3/11
A	REVISED NOTES	RPY		WOM	4/24/02

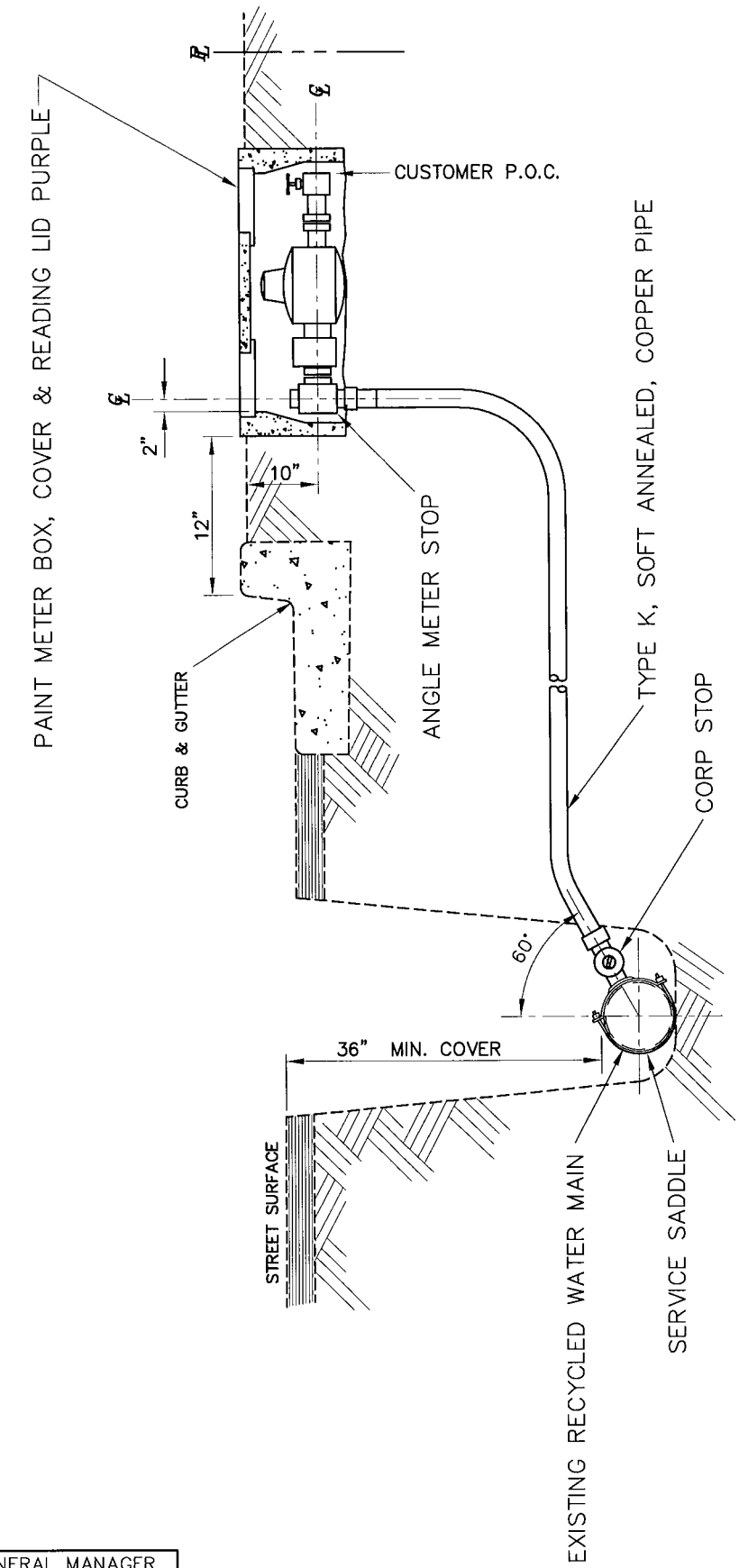
DRAWN JJL | SCALE N.T.S. | CHECK RRJ | APP'V'D CRB | DATE 3-21-89

CITY OF BURBANK
WATER AND POWER

BACKFLOW ASSEMBLY INSTALLATION

DRAWING NO.
BWP-615

1" RECYCLED METER SERVICE ASSEMBLY



NOTES

1. METER TO BE PROVIDED FOR THIS TYPE OF SERVICE:
   1" HERSEY METER MODEL MVR 50 w/ RING STRAINER OR EQUAL
2. SERVICE SADDLE IS REQUIRED ON ALL RECYCLED MAINS THAT ARE PVC OR ANY MATERIAL 6" AND SMALLER.

ASSISTANT GENERAL MANAGER

Fred Lantz 11/26/03

DATE

NO.	REVISIONS	BY	CHECK	APP'V'D	DATE
A	"RECLAIMED" to "RECYCLED"	RPY	ME	WOM	6/25/08

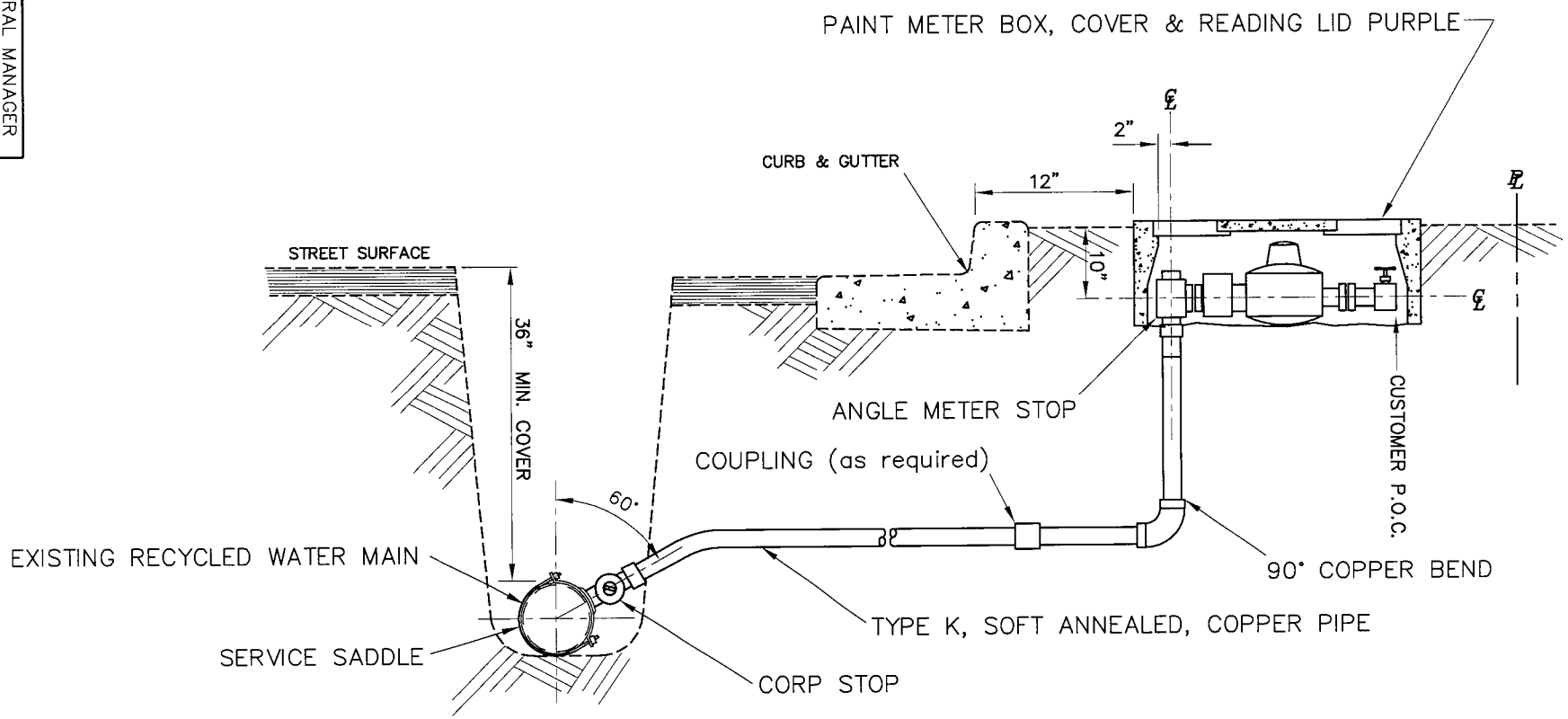
DRAWN	SCALE	CHECK	APP'V'D	DATE
RPY	N.T.S.	HR	WOM	11/26/03

CITY OF BURBANK
WATER AND POWER

1" RECYCLED METER SERVICE ASSEMBLY

DRAWING NO. PSD-621

1 1/2" & 2" RECYCLED METER SERVICE ASSEMBLY



NOTES

1. METER TO BE PROVIDED FOR THIS TYPE OF SERVICE:
   1 1/2" METER SHALL BE SENSUS MODEL #W-120DRS (w/ INTEGRAL INTERNAL STRAINER)
   2" METER SHALL BE SENSUS MODEL #W-160DRS (w/ INTEGRAL INTERNAL STRAINER)
2. SERVICE SADDLE IS REQUIRED ON ALL RECYCLED MAINS 6" AND SMALLER.

ASSISTANT GENERAL MANAGER
Fred Lantz 6/19/01
DATE

NO.	REMISIONS	BY	CHECK	APP'VD	DATE
A	"RECLAIMED" to "RECYCLED"	RPY	MB	WJM	6/25/01

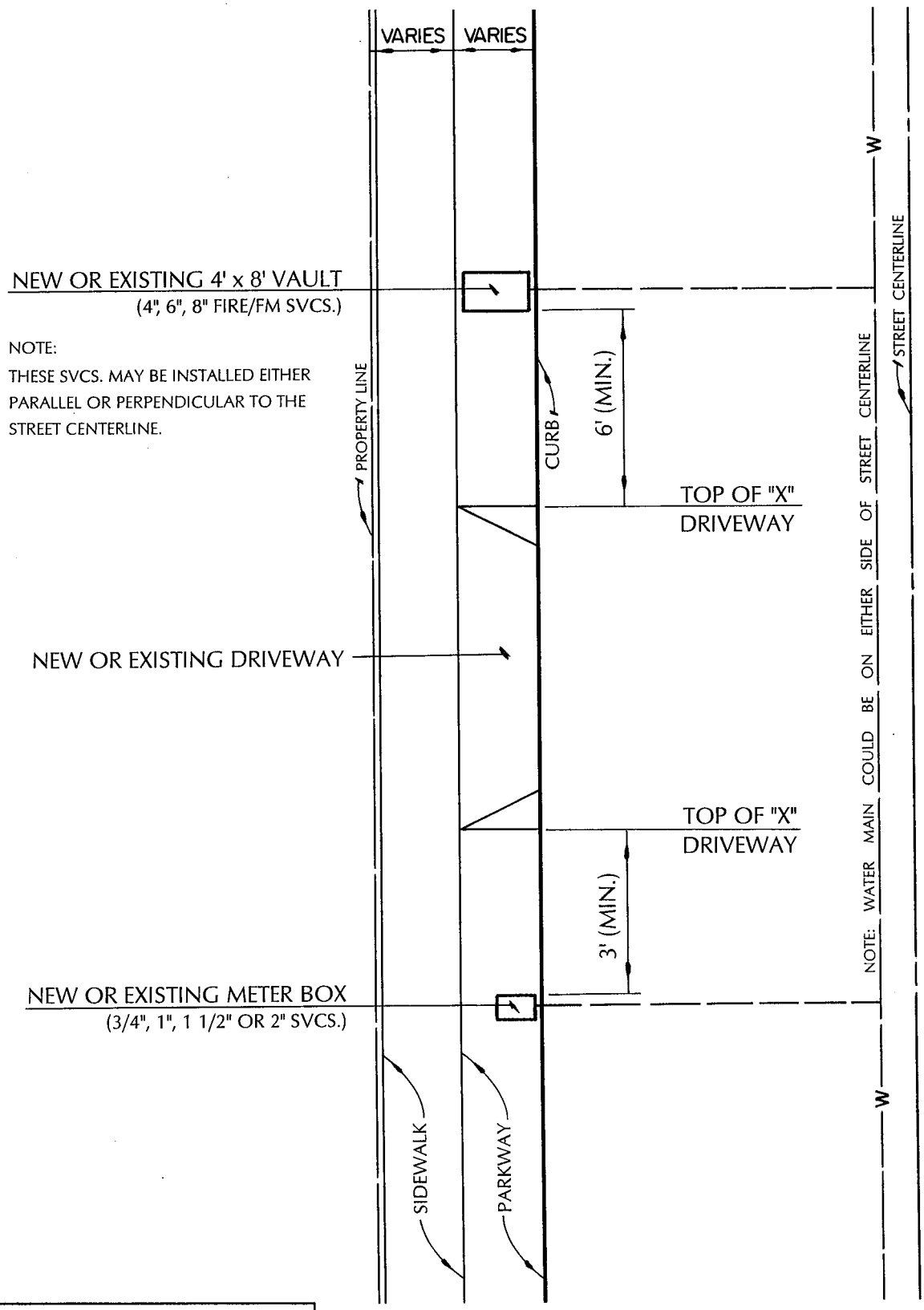
DRAWN	SCALE	CHECK	APP'VD	DATE
RPY	N.T.S.	P.F.	W.O.M.	6-19-01

CITY OF BURBANK
WATER AND POWER

1 1/2" & 2" RECYCLED METER SERVICE ASSEMBLY

DRAWING NO. PSD-622

84303



LOCATION OF SERVICE VAULT/BOX

N.T.S.

ASSISTANT GENERAL MANAGER
Fred Lantz 5/27/97
DATE

No.	REVISIONS	By	Check	App'v'd	Date

Drawn RPY | Scale N.T.S | Check | App'v'd [illegible] 5/27/97 | Date 5/23/97

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

LOCATION OF SERVICE VAULT / BOX

Drawing No. PSD 624

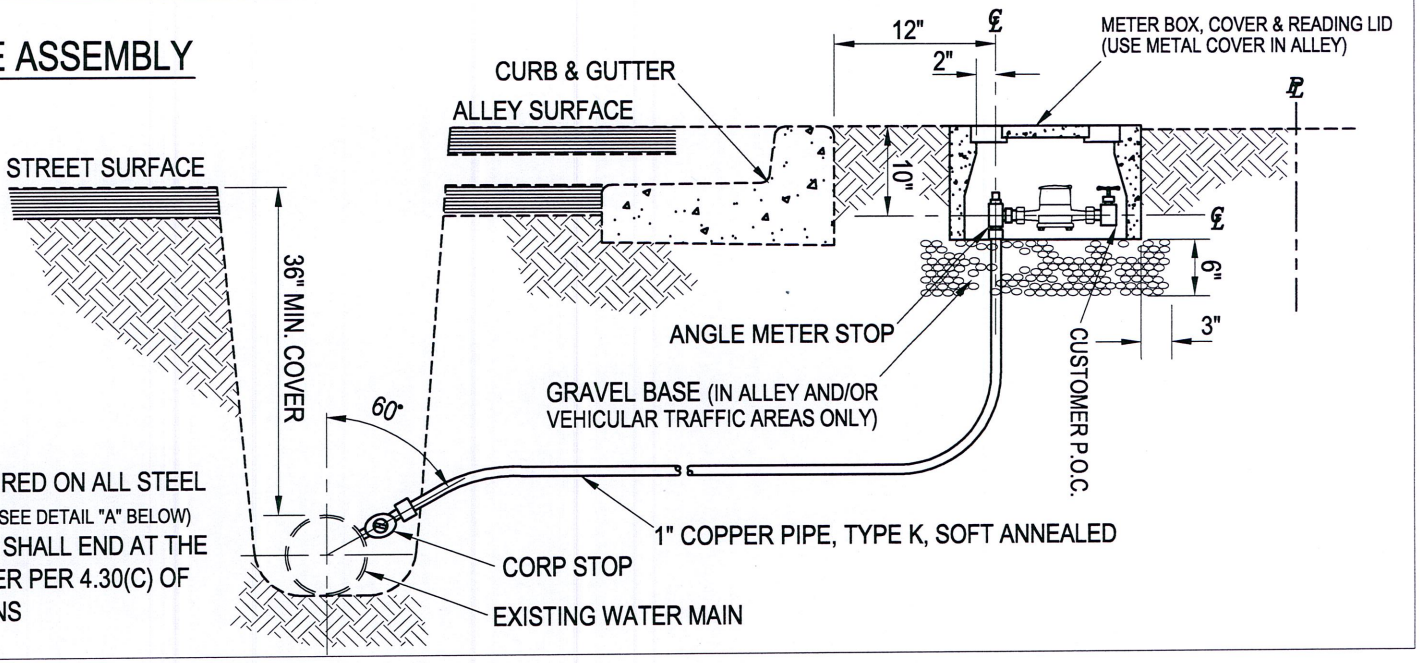
ASSISTANT GENERAL MANAGER
Fred Lantz 5/17/00
DATE

NO.	REVISIONS	BY	CHECK	APP'VD	DATE
C	GRAVEL BASE FOR ALLEY INSTALLATION	RPY			
B	RESPONSIBILITY NOTE	RPY	BN	WOM	12/27/04
A	REVISED CALL OUT & DIMENSION	RPY	PF	WOM	9/12/01

DRAWN RPY | SCALE N.T.S. | CHECK | APP'VD | DATE 5-16-00

BN 9/23/15

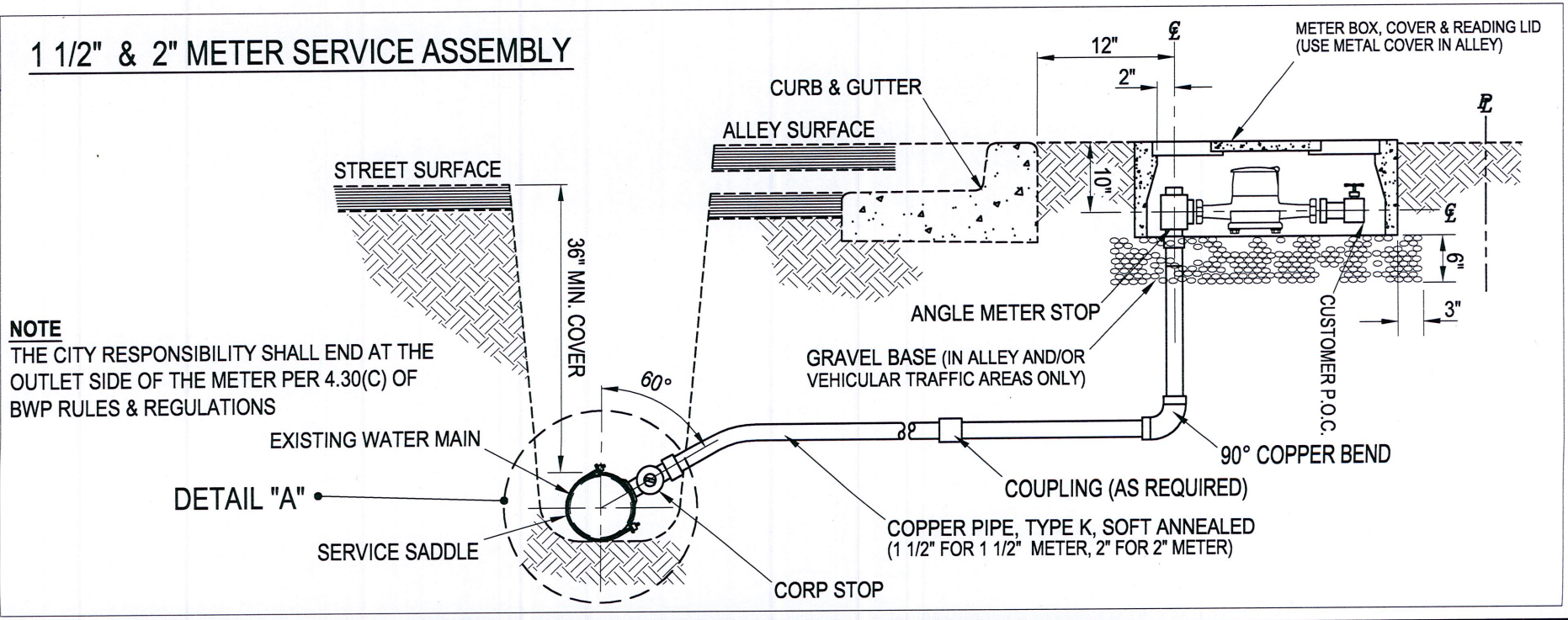
1" METER SERVICE ASSEMBLY



NOTES

1. SERVICE SADDLE IS REQUIRED ON ALL STEEL AND 6" & SMALLER MAINS (SEE DETAIL "A" BELOW)
2. THE CITY RESPONSIBILITY SHALL END AT THE OUTLET SIDE OF THE METER PER 4.30(C) OF BWP RULES & REGULATIONS

1 1/2" & 2" METER SERVICE ASSEMBLY



NOTE

THE CITY RESPONSIBILITY SHALL END AT THE OUTLET SIDE OF THE METER PER 4.30(C) OF BWP RULES & REGULATIONS

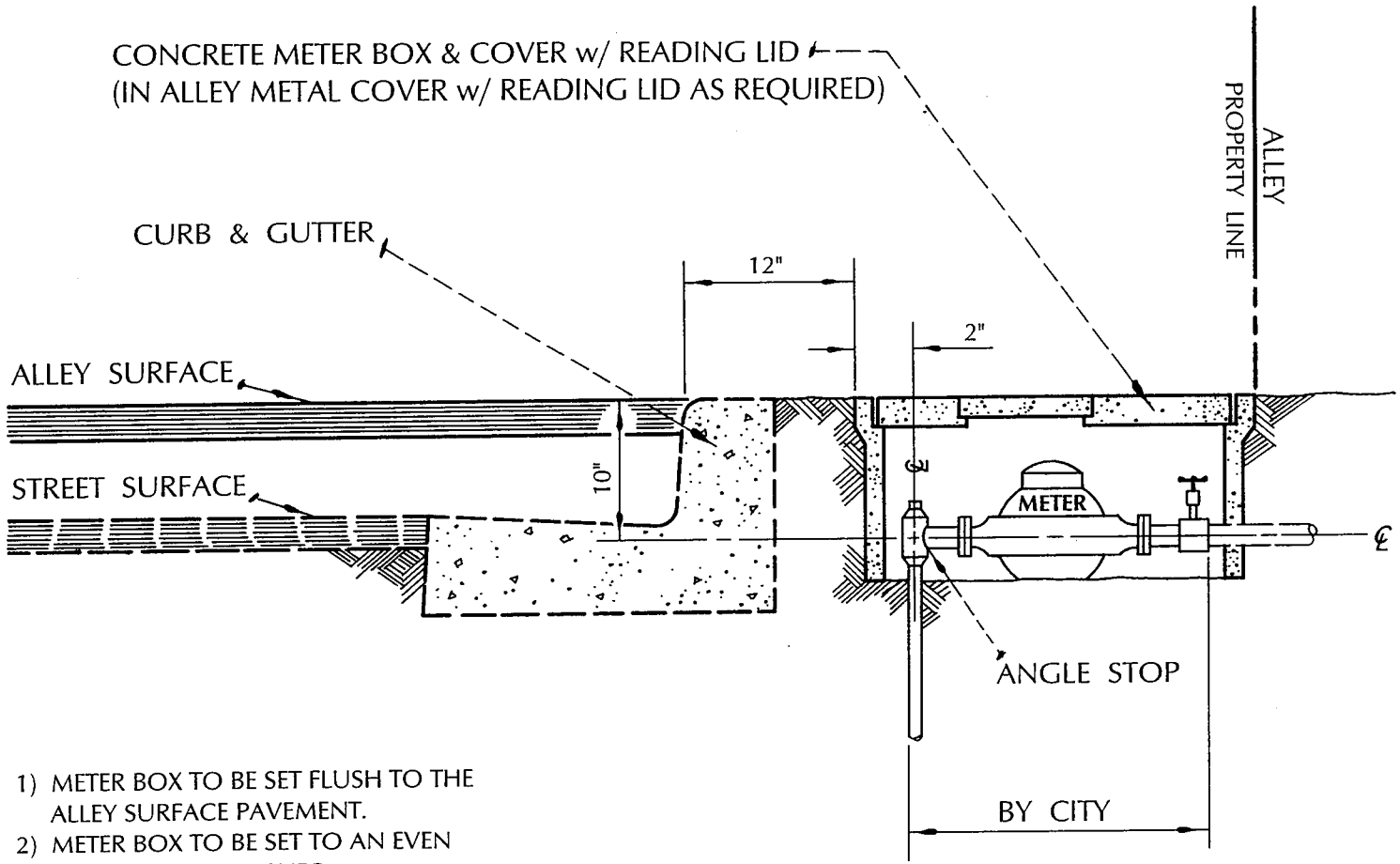
CITY OF BURBANK
WATER and POWER

1", 1 1/2" & 2" METER SERVICE ASSEMBLY

DRAWING NO. **BWP-625**

ASSISTANT GENERAL MANGER
Fred Kantz DATE 5/22/97

84303



NOTE:

1) METER BOX TO BE SET FLUSH TO THE ALLEY SURFACE PAVEMENT.
2) METER BOX TO BE SET TO AN EVEN GRADE WITH THE CURB.

DETAILED ASSEMBLY OF 3/4" THROUGH 2" WATER SERVICE

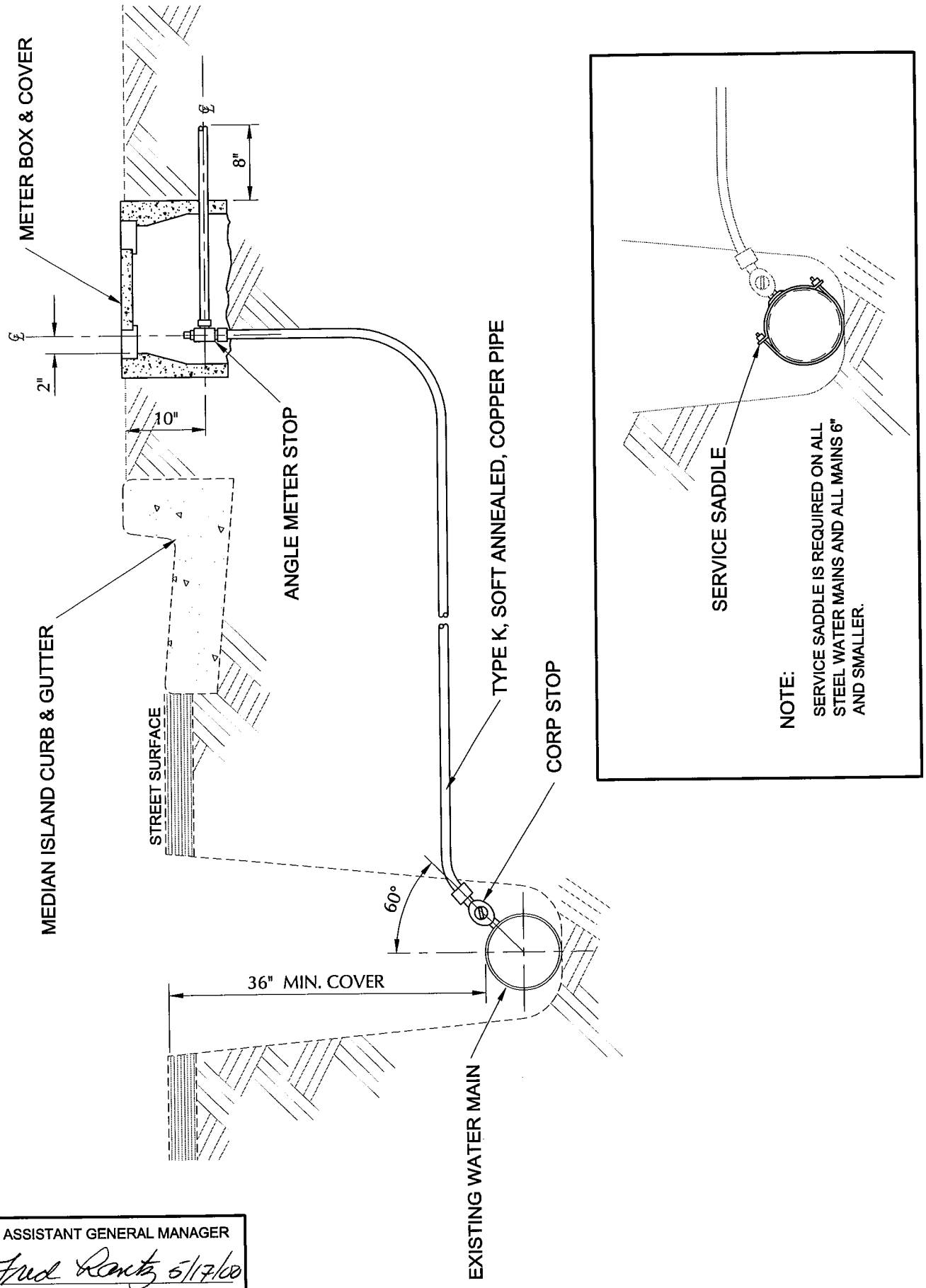
NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

DRAWN RPY | SCALE N.T.S. | CHECK [illegible] 5/21/97 | APP'V'D [illegible] 5/22/97 | DATE 5/9/97

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

DETAILED ASSEMBLY OF 3/4" THROUGH 2" WATER SERVICE

DRAWING NO. PSD 626



ASSISTANT GENERAL MANAGER

Fred Ramos 5/17/00

DATE

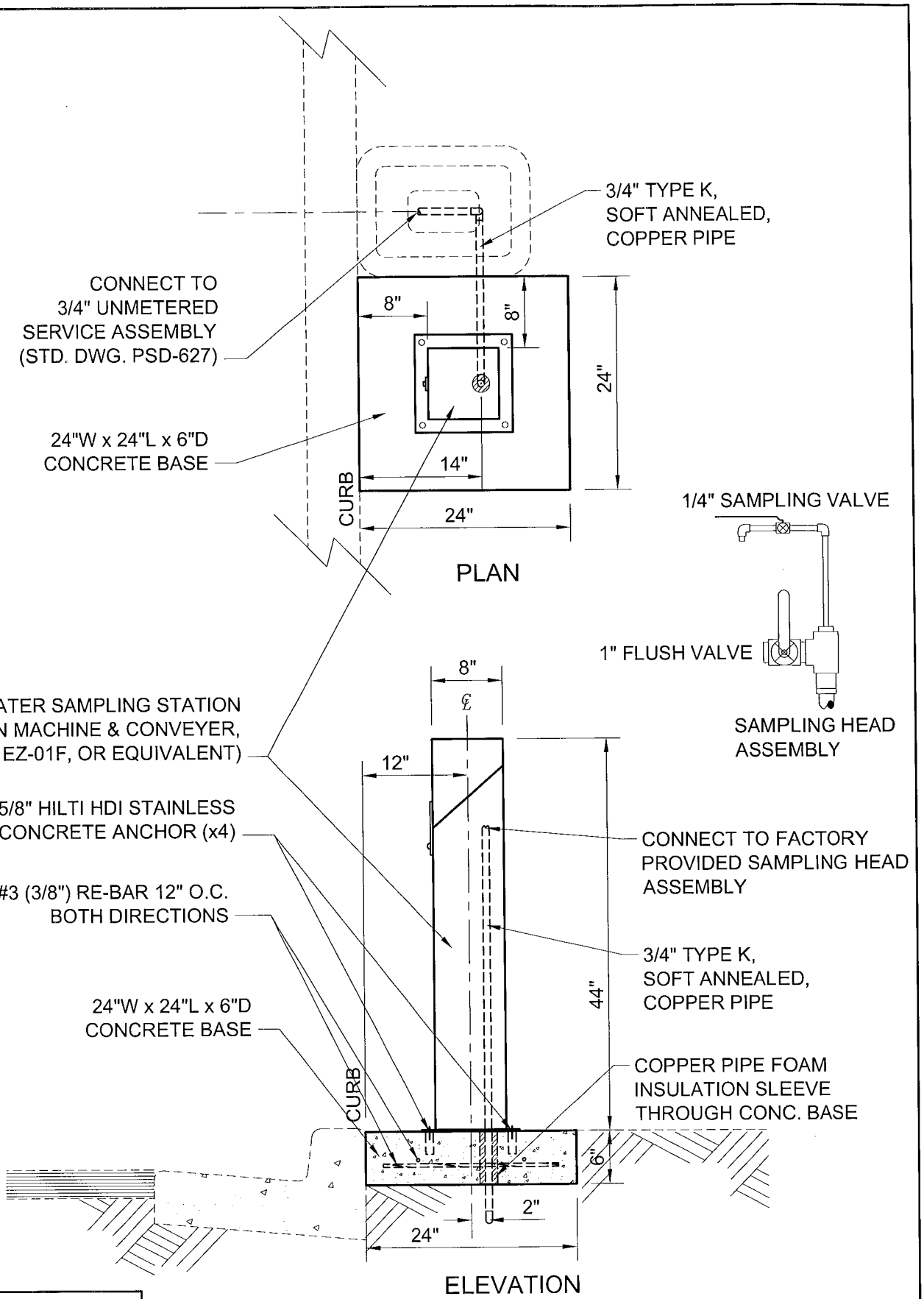
NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

DRAWN RPY | SCALE N.T.S. | CHECK | APP'V'D WOM | DATE 5-16-00

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

3/4" AND 1" UNMETERED SERVICE ASSEMBLY

DRAWING NO.
PSD-627



ASSISTANT GENERAL MANAGER

W.O. Moore 3/3/06

DATE

NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

WATER SAMPLING STATION

DRAWING NO. BWP-628

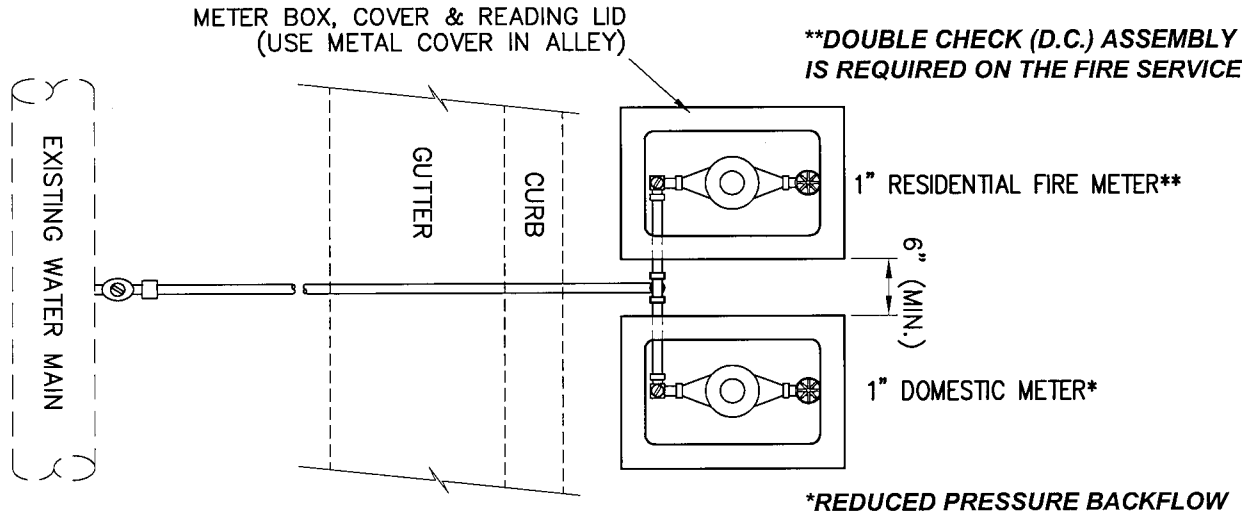
DRAWN	SCALE	CHECK	APP'V'D	DATE
DW	N. T. S.		B.N.	3-2-06

ASSISTANT GENERAL MANAGER

W.O. Mrs 6/14/07

DATE

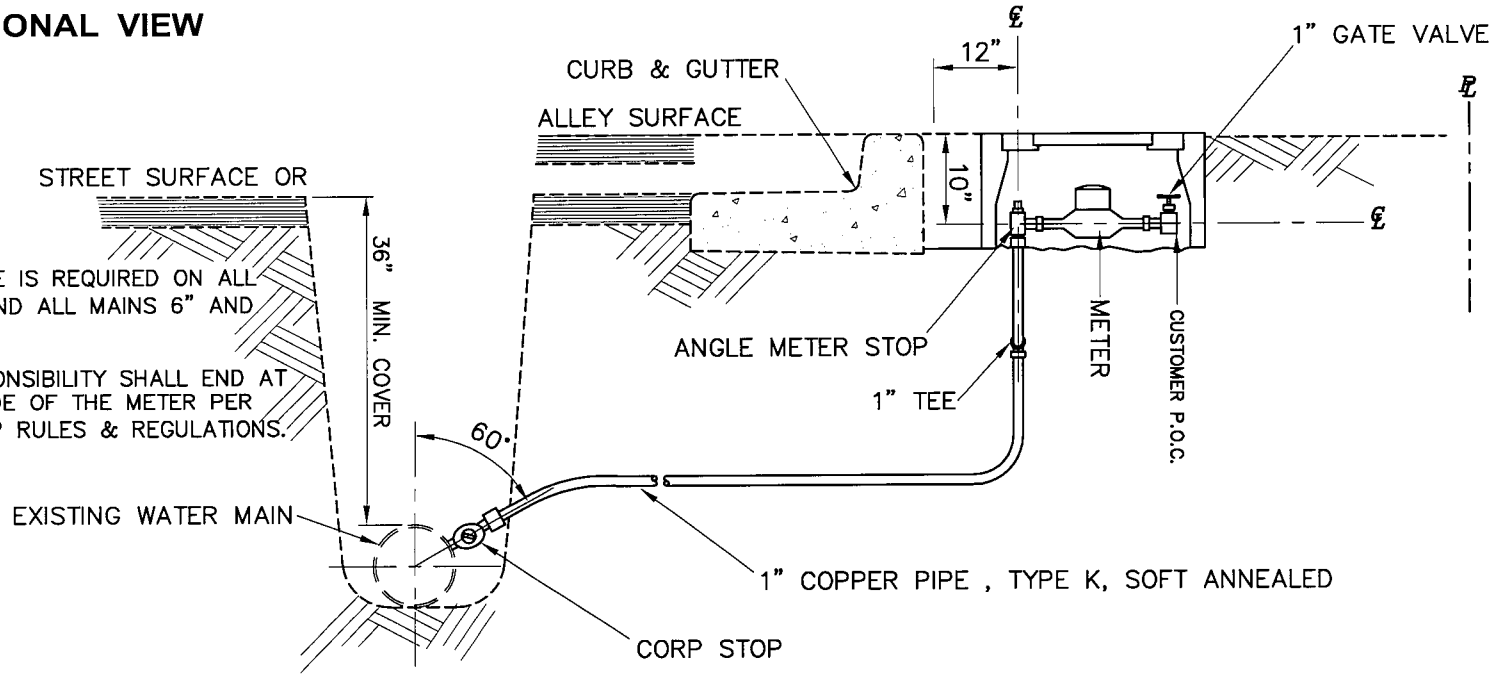
PLAN VIEW



NOTE

ALL BACKFLOW PREVENTION ASSEMBLIES ARE TO BE INSTALLED ABOVE GROUND, ON CUSTOMER'S PROPERTY AND AS CLOSE AS POSSIBLE TO THE METER BOX

SECTIONAL VIEW



NOTES

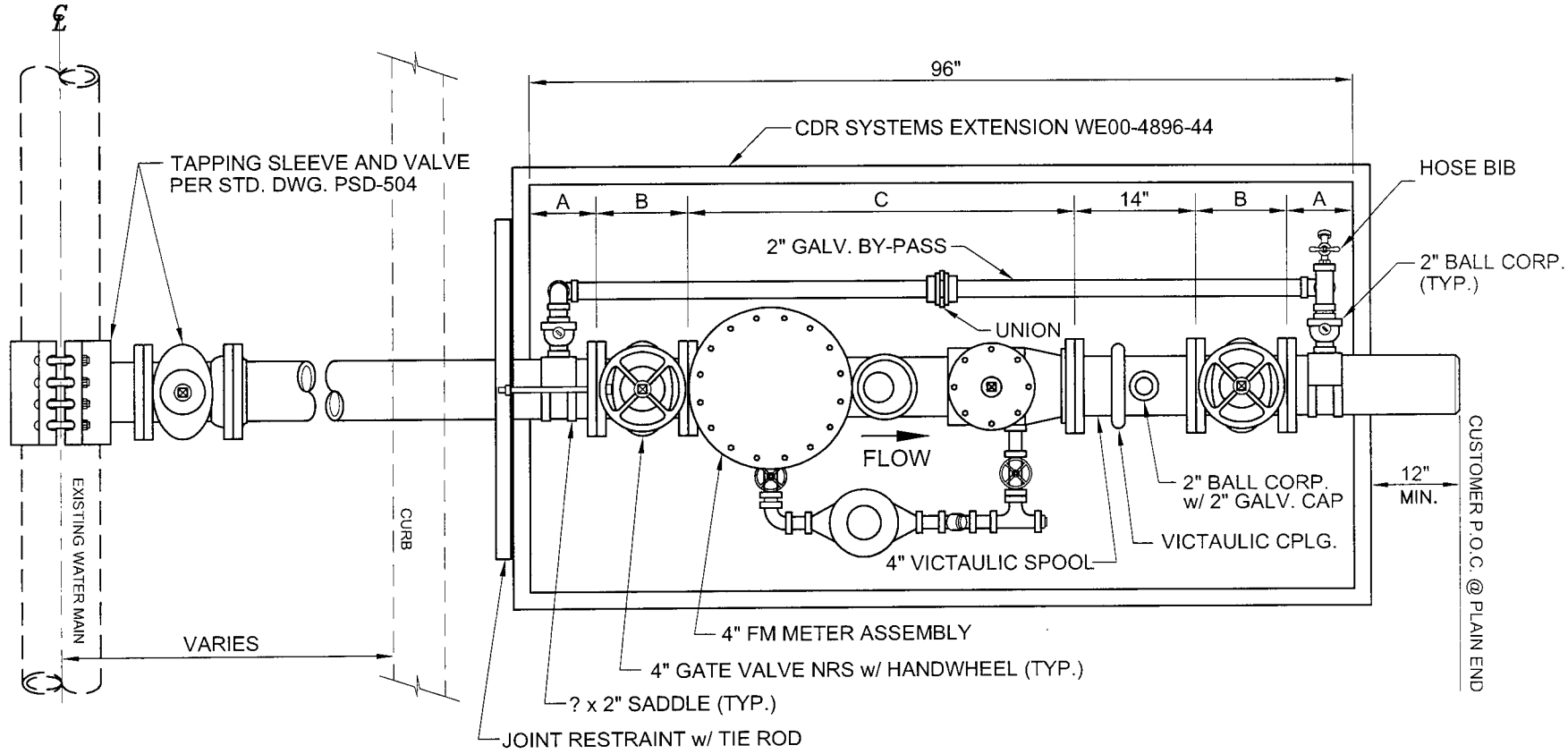
1. SERVICE SADDLE IS REQUIRED ON ALL STEEL MAINS AND ALL MAINS 6" AND SMALLER.
2. THE CITY RESPONSIBILITY SHALL END AT THE OUTLET SIDE OF THE METER PER 4.30(C) OF BWP RULES & REGULATIONS.

DRAWN	NO.	REVISIONS	BY	CHECK	APP'VD	DATE
RPY						
SCALE N.T.S.						
CHECK						
APP'VD BV						
DATE 5/30/07						

CITY OF BURBANK
WATER and POWER

1" MANIFOLD D.S/F.S. FOR MULTI-FAMILY RESIDENTIAL

DRAWING NO. BWP-629



NOTES

1. SUPPORT METER AND VALVES WITH MIN. OF 2 ADJUSTABLE PIPE SUPPORTS PER STD. DWG. PSD-780.
2. DRY PACK PIPE OPENINGS.
3. CUSTOMER POINT OF CONNECTION TO PIPE AT PLAIN END.
4. ADJUST VAULT FRAME TO SIDEWALK GRADE
5. PAINT PIPING AND VALVES WITH 2 COATS KOPPERS SUPER TANK.

TYPICAL DIMENSIONS			
METER SIZE	A	B	C
4" x 1"	15 3/16"	9"	33"
6" x 1 1/2"	7 11/16"	10 1/2"	45"

USE 5 RING GASKETS (1/8" THICKNESS EACH)

ASSISTANT GENERAL MANAGER
Fred Lantz
DATE

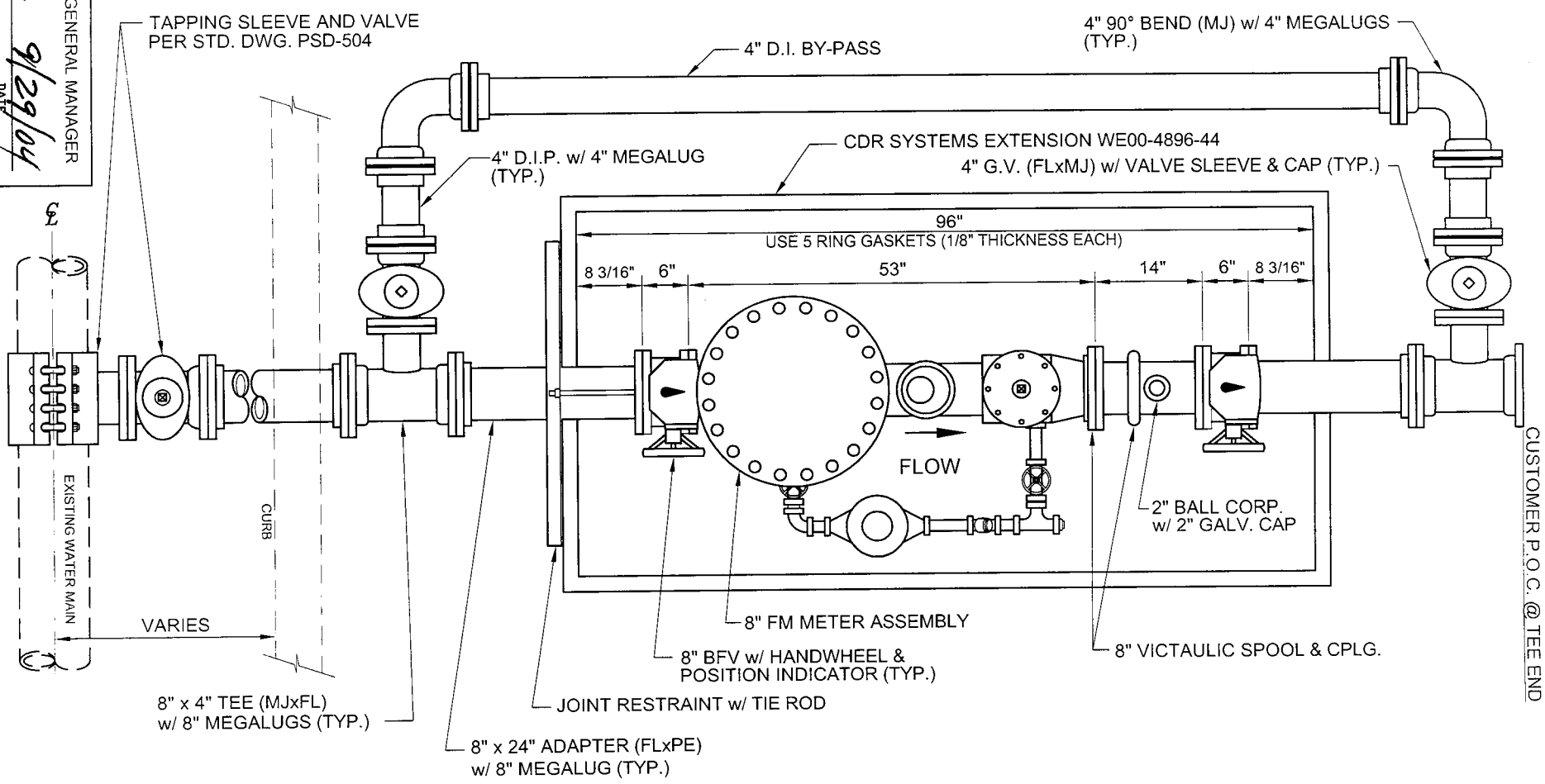
NO.	REVISIONS	BY	CHECK	APP'V'D	DATE
A	CDR VAULT & JOINT RESTRAINT	RPY	RFH	WOM	10/27/03

DRAWN RPY | SCALE N.T.S. | CHECK PF | APP'V'D WOM | DATE 5-16-00

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

4" & 6" F.M. METER
FOR WATER SERVICE

DRAWING NO.
PSD-634



NOTES

1. SUPPORT METER AND VALVES WITH MIN. OF 2 ADJUSTABLE PIPE SUPPORTS PER STD.DWG. PSD-780.
2. DRY PACK PIPE OPENINGS.
3. CUSTOMER POINT OF CONNECTION TO PIPE AT TEE END.
4. ADJUST VAULT FRAME TO SIDEWALK GRADE.
5. PAINT PIPING AND VALVES WITH 2 COATS KOPPER SUPER TANK.

ASSISTANT GENERAL MANAGER
DATE 9/29/04

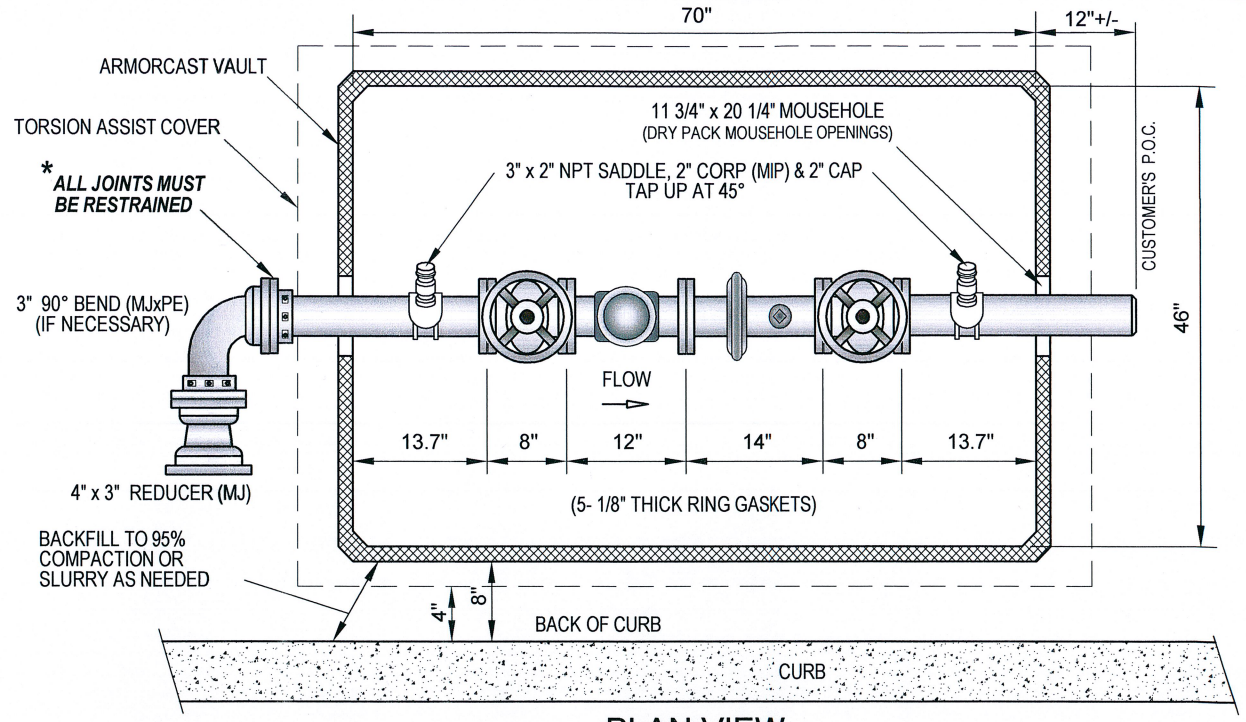
NO.	REVISIONS	BY	CHECK	APP'D	DATE

DRAWN RPY | SCALE N.T.S. | CHECK JJL | APP'D WSM | DATE 9/28/04

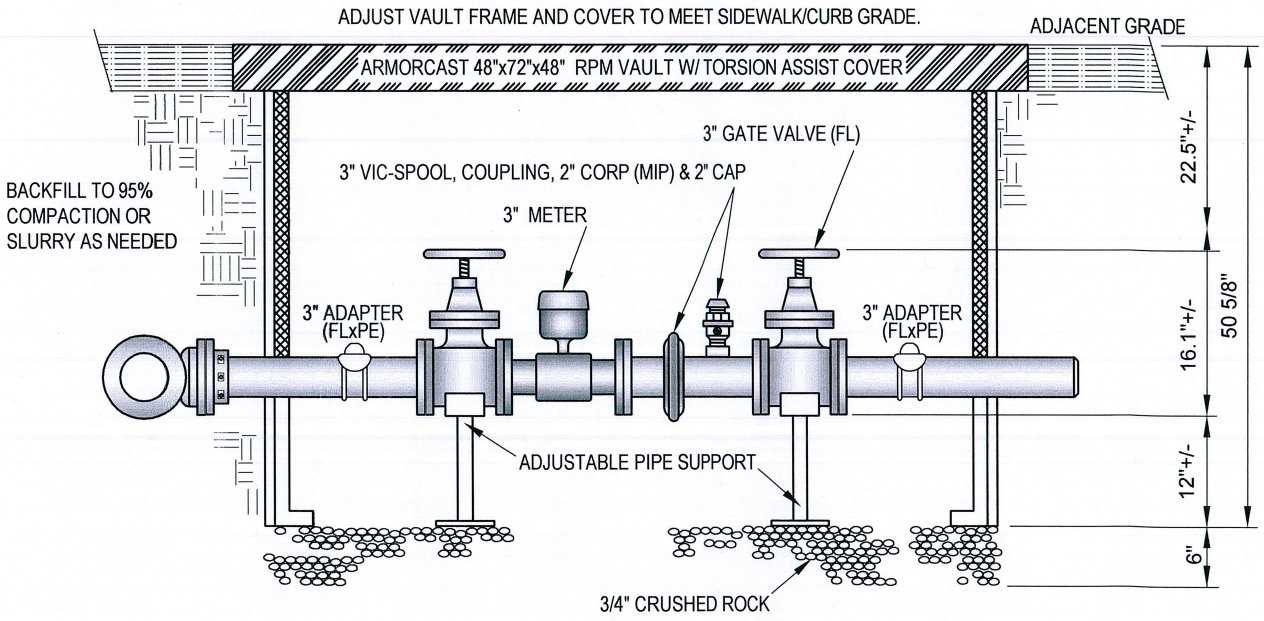
CITY OF BURBANK
WATER AND POWER

8" F.M. METER
FOR WATER SERVICE

DRAWING NO. BWP-635



PLAN VIEW



ELEVATION VIEW

NOTES:

1. ALL PIPE MATERIAL SHALL BE DUCTILE IRON.
2. VAULT IS ARMORCAST 48"x72"x48" RPM VAULT, OPEN BASE, MOUSEHOLES w/ TORSION ASSIST COVER MODEL #A6001506TAP48MT, ITRON AMR CAVITY (H11), WATER LOGO AND 20K LOAD RATED.
3. POTABLE WATER LINES SHALL BE IDENTIFIED WITH THREE INCH (3") WIDE TAPE WITH AT LEAST ONE INCH (1") CONTINUOUS LETTERING "POTABLE WATER", BLUE WITH BLACK LETTERING. THE TAPE IS TO BE ATTACHED TO THE TOP OF ALL PIPES AT 6' INTERVALS. IDENTIFICATION TAPE SHALL EXTEND INTO ALL VALVE BOXES AND/OR VAULTS.
4. RECYCLED WATER LINES SHALL BE IDENTIFIED WITH THREE INCH (3") WIDE TAPE WITH AT LEAST ONE INCH (1") CONTINUOUS LETTERING "CAUTION RECYCLED WATER", PURPLE WITH BLACK LETTERING. THE TAPE IS TO BE ATTACHED TO THE TOP OF ALL PIPES AT 6' INTERVALS. IDENTIFICATION TAPE SHALL EXTEND INTO ALL VALVE BOXES AND/OR VAULTS.

ASSISTANT GENERAL MANAGER

W.O. Mace 9/29/09

DATE

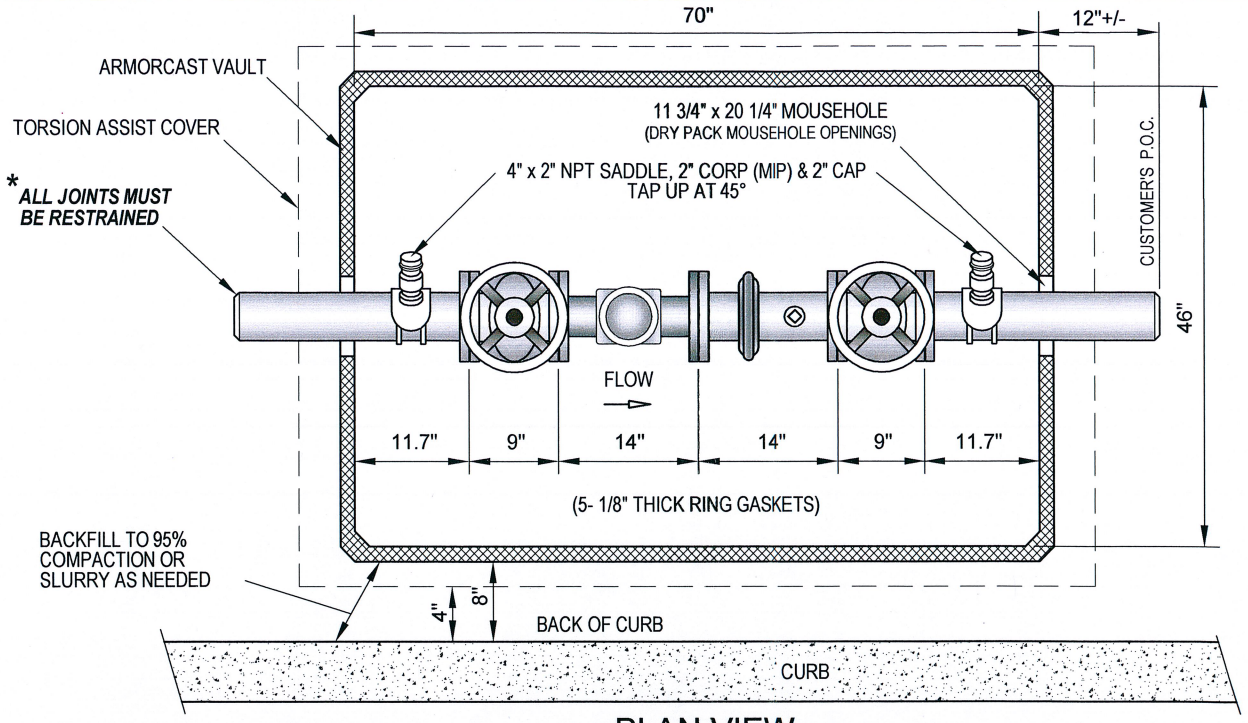
NO.	REVISIONS	BY	CHECK	APP'V'D	DATE
C	CHANGED VAULT SIZE & ADD 2ND VALVE	RPY		BN	2/9/11
B	REVISED FOR DOMESTIC & RECYCLED USE	RPY		BN	3/3/11
A	DELETE STRAINER & FLANGED REDUCER	RPY		BN	10/12/10

DRAWN	SCALE	CHECK	APP'V'D	DATE
RPY	N.T.S.		BN	9/28/09

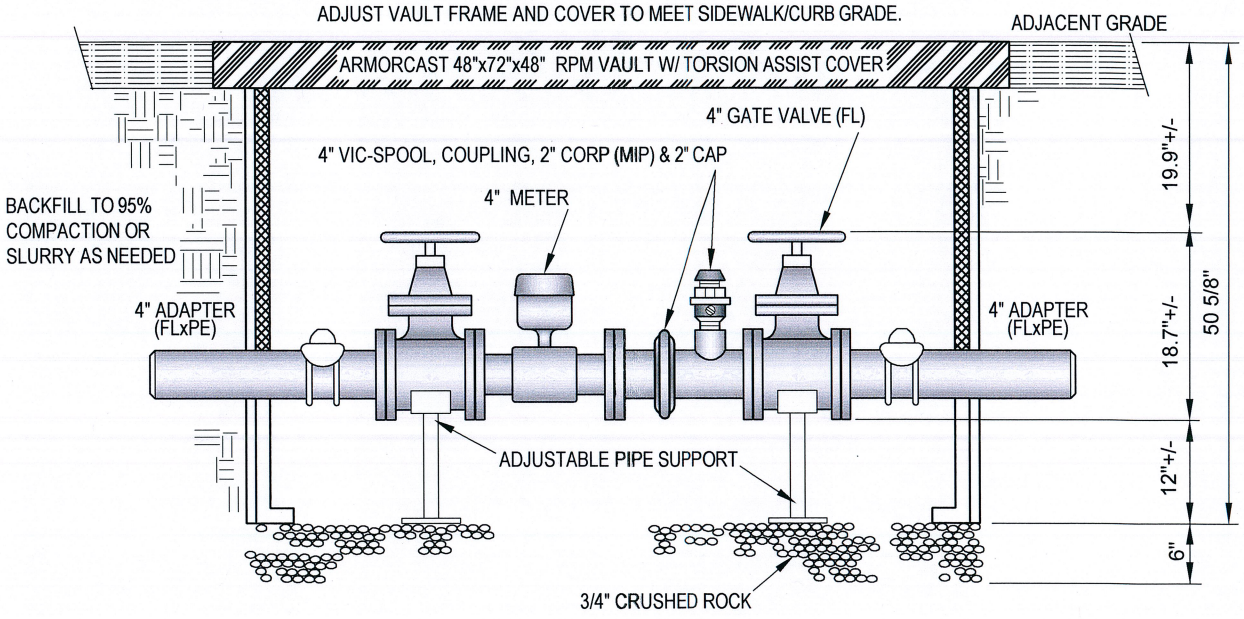
CITY OF BURBANK
WATER AND POWER

3" DOMESTIC & RECYCLED WATER SERVICE ASSEMBLY

DRAWING NO.
BWP-638



PLAN VIEW



ELEVATION VIEW

NOTES:

1. ALL PIPE MATERIAL SHALL BE DUCTILE IRON.
2. VAULT IS ARMORCAST 48"x72"x48" RPM VAULT, OPEN BASE, MOUSEHOLES w/ TORSION ASSIST COVER MODEL #A6001506TAP48MT, ITRON AMR CAVITY (H11), WATER LOGO AND 20K LOAD RATED.
3. POTABLE WATER LINES SHALL BE IDENTIFIED WITH THREE INCH (3") WIDE TAPE WITH AT LEAST ONE INCH (1") CONTINUOUS LETTERING "POTABLE WATER", BLUE WITH BLACK LETTERING. THE TAPE IS TO BE ATTACHED TO THE TOP OF ALL PIPES AT 6' INTERVALS. IDENTIFICATION TAPE SHALL EXTEND INTO ALL VALVE BOXES AND/OR VAULTS.
4. RECYCLED WATER LINES SHALL BE IDENTIFIED WITH THREE INCH (3") WIDE TAPE WITH AT LEAST ONE INCH (1") CONTINUOUS LETTERING "CAUTION RECYCLED WATER", PURPLE WITH BLACK LETTERING. THE TAPE IS TO BE ATTACHED TO THE TOP OF ALL PIPES AT 6' INTERVALS. IDENTIFICATION TAPE SHALL EXTEND INTO ALL VALVE BOXES AND/OR VAULTS.

ASSISTANT GENERAL MANAGER

W.O. Mace

DATE

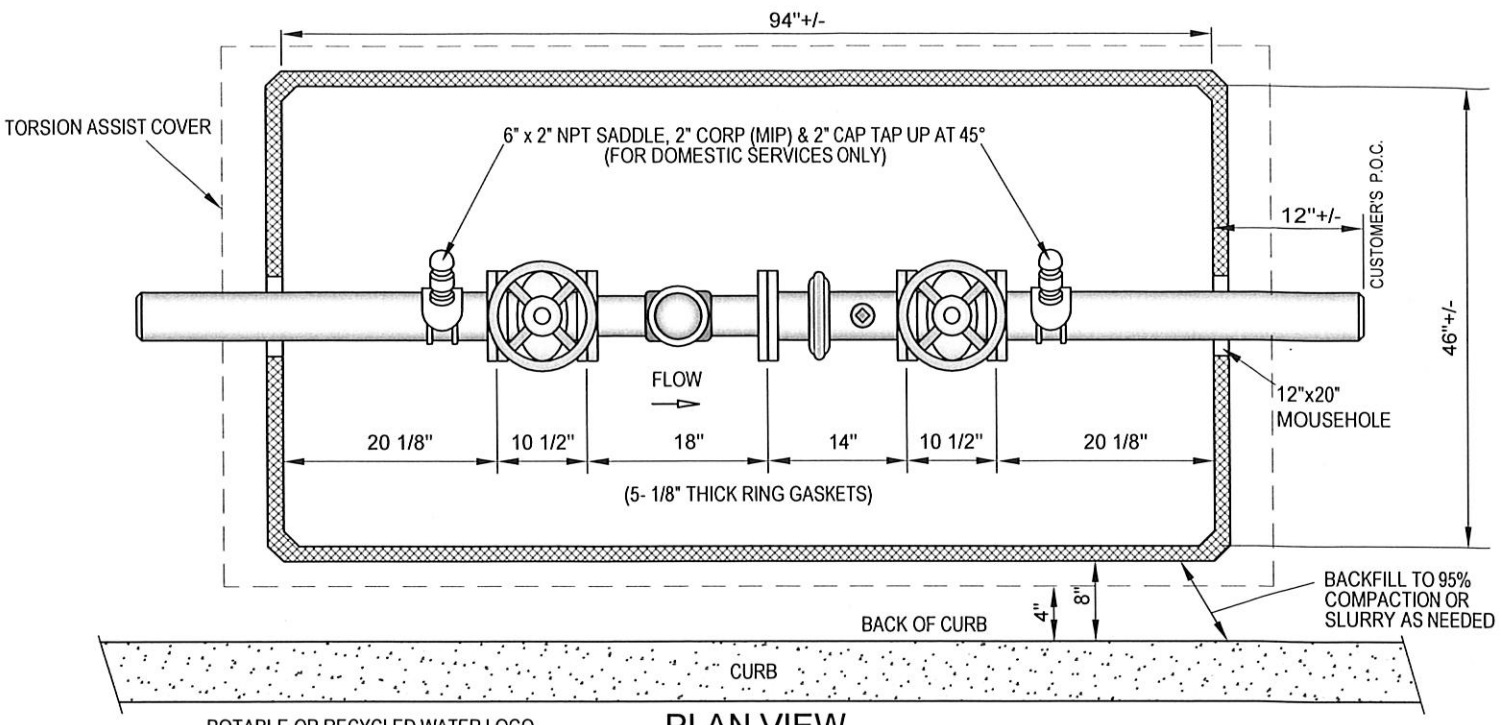
NO.	REVISIONS	BY	CHECK	APP'V'D	DATE
C	NOTES & CALLOUTS	RPY		BN	2/9/16
B	CHANGED VAULT SIZE, MODIFY ASSEMBLY	RPY		BN	7/25/14
A	REVISED FOR DOMESTIC & RECYCLED USE	RPY		BN	3/3/11

DRAWN	RPY	SCALE	N.T.S.	CHECK	APP'V'D	BN	DATE	10/12/10

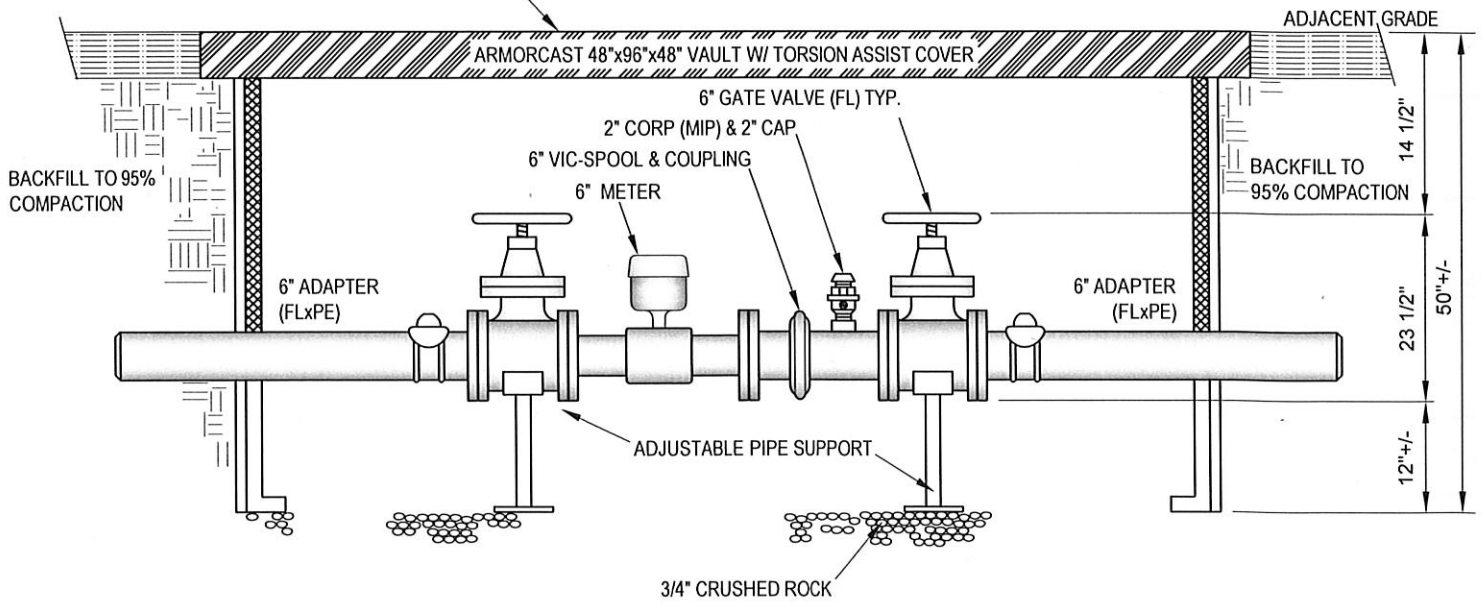
CITY OF BURBANK
WATER AND POWER

4" DOMESTIC & RECYCLED WATER SERVICE ASSEMBLY

DRAWING NO.
BWP-639



PLAN VIEW



ELEVATION VIEW

NOTES:

1. COORDINATE SERVICE INSTALLATION WITH CUSTOMER .
2. VAULT IS ARMORCAST 48"x96"x48" VAULT PER STD. DWG. BWP-805, OPEN BASE W/ TORSION ASSIST COVER w/ ITRON AMR CAVITY (H11) MODEL #A6001449TAP48MT
3. ALL PIPE MATERIAL SHALL BE DUCTILE IRON
4. FOR RECYCLED SERVICE: RECYCLED WATER LINES SHALL BE IDENTIFIED WITH THREE INCH (3") WIDE TAPE WITH AT LEAST ONE INCH (1") CONTINUOUS LETTERING "CAUTION RECYCLED WATER", PURPLE WITH BLACK LETTERING. THE TAPE IS TO BE ATTACHED TO THE TOP OF ALL PIPES AT 6" INTERVALS. IDENTIFICATION TAPE SHALL EXTEND INTO ALL VALVE BOXES AND/OR VAULTS. PIPING WITHIN VAULTS SHALL BE PAINTED PURPLE, PANTONE 522
5. DRY PACK MOUSEHOLE OPENINGS
6. ADJUST VAULT FRAME AND COVER TO MEET SIDEWALK/CURB GRADE

ASSISTANT GENERAL MANAGER
W.O. Mac 1/3/17
DATE

NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

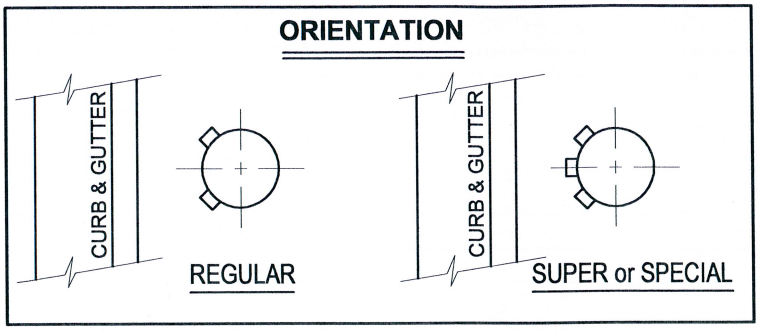
CITY OF BURBANK
WATER AND POWER

DRAWN	RPY	SCALE	N.T.S.	CHECK	APP'V'D BN	DATE 12/23/16

6" DOMESTIC & RECYCLED WATER SERVICE ASSEMBLY

DRAWING NO.
BWP-640

ORIENTATION



BILL OF MATERIALS

ITEM	DESCRIPTION	QTY	STOCK NO.
1	? x 6" TEE (? x FL) *	1	-
2	6" RING GASKET	3	12.653000
3	6" GATE VALVE (FLxMJ)	1	13.731000
4	3/4" x 3 1/4" BOLT	8	66.310732
5	3/4" NUT	8	66.240407
6	8" PVC STAND PIPE	1	14.680300
7	8" GALVANIZED SLEEVE	1	13.782000
8	C.I. VALVE COVER (STD. DWG. PSD-502)	1	12.694000
9	6" MEGALUG	2	12.654300
10	6" DUCTILE IRON PIPE	-	12.650010
11	6" BELL CLAMP KIT (AS NEEDED)	-	12.170600
12	6" HYDRANT BURY (36", 42" OR 48")	1	-
13	6" BREAKAWAY SPOOL	1	12.657800
14	5/8" x 3" HYDRANT BREAK-OFF BOLTS (6)	2	12.650600
15	HYDRANT (REGULAR, SUPER OR SPECIAL)	1	-

* TAPPING SLEEVE FOR EXISTING MAINS

GENERAL NOTES

A) REGULAR, SUPER OR SPECIAL HYDRANT PER PLAN.

B) HYDRANT VALVE SHALL BE AT LEAST 6 FEET FROM THE HYDRANT UNLESS OTHERWISE APPROVED.

C) HYDRANT SHALL BE CENTERED A MINIMUM OF 18" BEHIND CURB FACE. ADA COMPLIANCE REQUIRES THAT 32" SIDEWALK ACCESS SHALL BE PROVIDED ON ONE SIDE OF THE HYDRANT FOR NEW INSTALLATIONS.

D) BURY AND HYDRANT FLANGE SHALL BE 6 HOLES.

E) BREAK-OFF BOLTS REQUIRED BETWEEN HYDRANT AND BURY, CAD. PLATED OR GALV. INSTALL WITH NUT ON TOP AND COUNTER BORE PACKED w/ NON-OXIDE GREASE.

F) THRUST BLOCKS PER STD. DWG. PSD-030

G) ALL ASSEMBLY ABOVE FINISHED SURFACE TO BE PAINTED SAFETY ORANGE, 2 COATS.

H) CITY WILL FURNISH AND INSTALL A STIMSONITE MODEL 88AB TWO WAY BLUE REFLECTIVE HYDRANT MARKER DIRECTLY OPPOSITE THE HYDRANT, LOCATE MARKER ON HYDRANT SIDE OF STREET CENTERLINE PER ABOVE DETAIL, WITH REFLECTIVE SIDE FACING ONCOMING TRAFFIC.
PROVIDE 1 MARKER FOR EACH CROSS STREET FOR HYDRANTS INSTALLED AT INTERSECTIONS.

ASSISTANT GENERAL MANAGER
W. O. Mac 3/27/17
DATE

NO.	REVISIONS	BY	CHECK	APP'VD	DATE
D	ADA COMPLIANT, 32" MINIMUM SIDEWALK ACCESS	RPY	RC	B.N.	3/21/17
C	STANDARD HYDRANT OFFSET TO CURB	RPY	B.N.	WOM	12/8/06
B	REVISED BILL OF MATERIAL	RPY		WOM	11/8/02

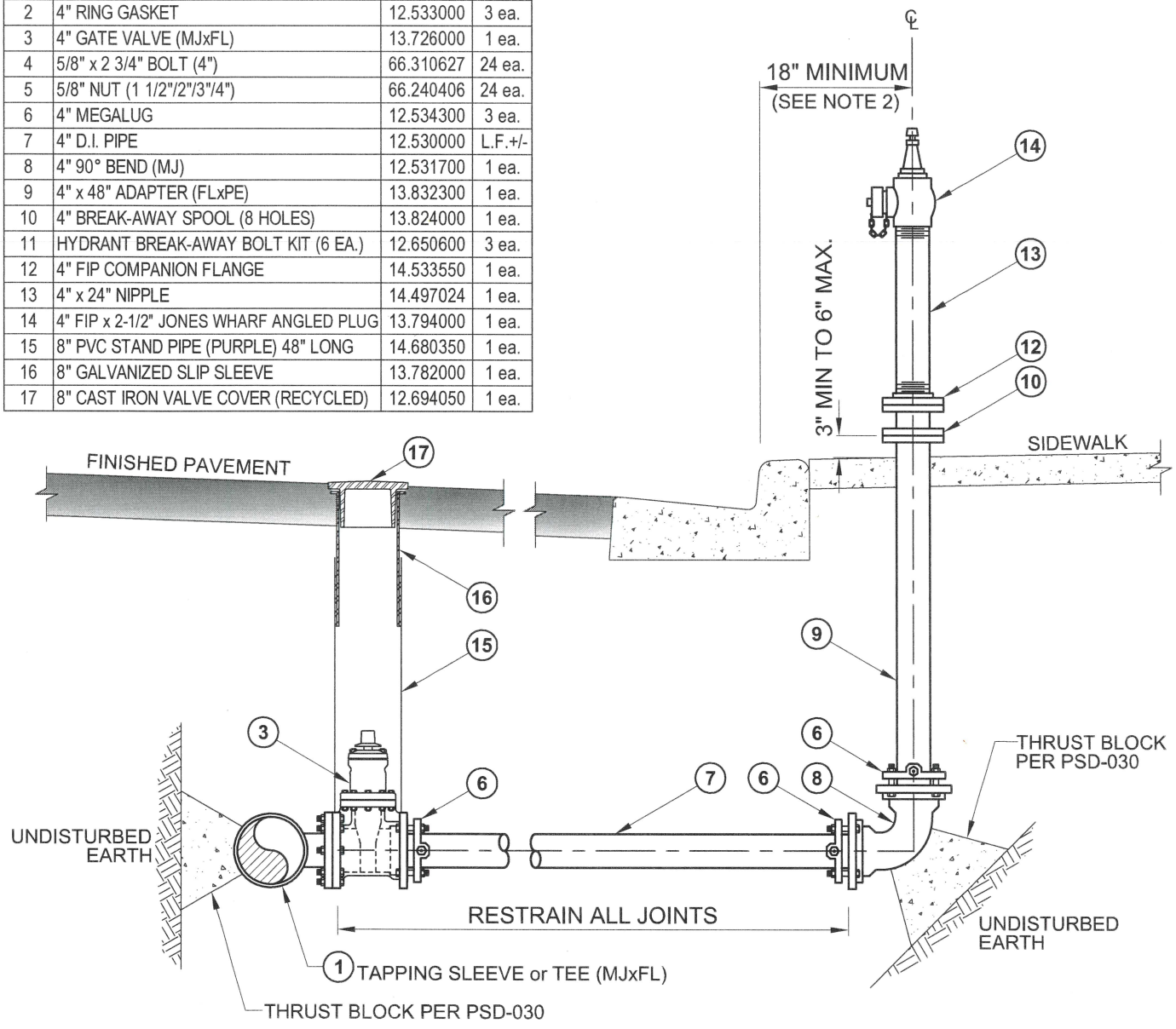
DRAWN RPY | SCALE N.T.S. | CHECK RC 3/24/17 | APP'VD BN | DATE 3/24/17

CITY OF BURBANK
WATER AND POWER

FIRE HYDRANT DETAIL

DRAWING NO. PSD - 700

BILL OF MATERIAL			
Item	Description	Stock No.	Qty.
1	***?" x 4" TAPPING SLEEVE***		1 ea.
1	***?" x 4" TEE (MJxFL)***		1 ea.
2	4" RING GASKET	12.533000	3 ea.
3	4" GATE VALVE (MJxFL)	13.726000	1 ea.
4	5/8" x 2 3/4" BOLT (4")	66.310627	24 ea.
5	5/8" NUT (1 1/2"/2"/3"/4")	66.240406	24 ea.
6	4" MEGALUG	12.534300	3 ea.
7	4" D.I. PIPE	12.530000	L.F.+/-
8	4" 90° BEND (MJ)	12.531700	1 ea.
9	4" x 48" ADAPTER (FLxPE)	13.832300	1 ea.
10	4" BREAK-AWAY SPOOL (8 HOLES)	13.824000	1 ea.
11	HYDRANT BREAK-AWAY BOLT KIT (6 EA.)	12.650600	3 ea.
12	4" FIP COMPANION FLANGE	14.533550	1 ea.
13	4" x 24" NIPPLE	14.497024	1 ea.
14	4" FIP x 2-1/2" JONES WHARF ANGLED PLUG	13.794000	1 ea.
15	8" PVC STAND PIPE (PURPLE) 48" LONG	14.680350	1 ea.
16	8" GALVANIZED SLIP SLEEVE	13.782000	1 ea.
17	8" CAST IRON VALVE COVER (RECYCLED)	12.694050	1 ea.



GENERAL NOTES

1. ALL RECYCLED WATER LINES SHALL BE IDENTIFIED WITH THREE INCH (3") WIDE TAPE WITH AT LEAST ONE INCH (1") CONTINUOUS LETTERING "CAUTION RECYCLED WATER," PURPLE WITH BLACK LETTERING. THE TAPE IS TO BE ATTACHED TO THE TOP OF ALL PIPE AT MINIMUM 10 FEET INTERVALS. IDENTIFICATION TAPE SHALL EXTEND INTO ALL VALVE BOXES OR VAULTS.

2. HYDRANT SHALL BE CENTERED A MINIMUM OF 18" BEHIND CURBFACE. ADA COMPLIANCE REQUIRES THAT 32" SIDEWALK ACCESS SHALL BE PROVIDED ON ONE SIDE OF THE HYDRANT.

3. POINT OUTLET TOWARDS CURB.

4. ABOVE GROUND PIPING SHALL BE COATED PURPLE (PANTONE 512) AND IDENTIFIED AS RECYCLED WATER..

ASSISTANT GENERAL MANAGER

8/22/19
DATE

NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

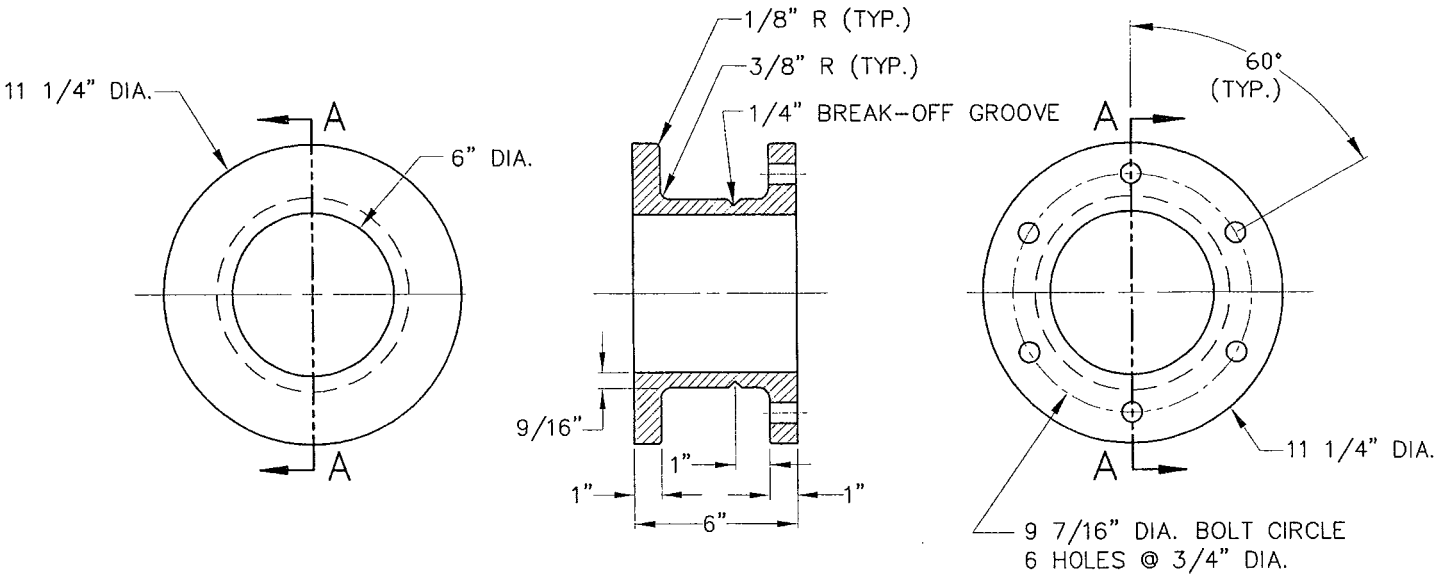
DRAWN	SCALE	CHECK BN	C/M	APP'V'D MJ	DATE 8/20/19

CITY OF BURBANK
WATER AND POWER

RECYCLED WATER WHARF HYDRANT

DRAWING NO.
BWP-702

HYDRANT FLANGE ADAPTER SPOOL
(NO HOLES IN BURY FLANGE)



BURY FLANGE SECTION A–A HYDRANT BASE

NOTES:

1) THIS ITEM IS TO MEET CURRENT AWWA STANDARDS.
2) SPOOL IS CAST IRON WITH MACHINED 1/4" BREAK-OFF GROOVE.
3) BURY FLANGE NOT DRILLED UNTIL FIELD CHECKED.
4) STOCK NO. 13.829010, HYDRANT FLANGE ADAPTER SPOOL.

ASSISTANT GENERAL MANAGER

Fred Lantz 1/25/01

DATE

NO.	REVISIONS	BY	CHECK	APP'VD	DATE
B	UPDATED MADE WITH C.I.	RPY	J.JL	WOM	11/15/02
A	UPDATED CAST WITH D.I. MATERIAL	RPY	JJL	WOM	10/10/02

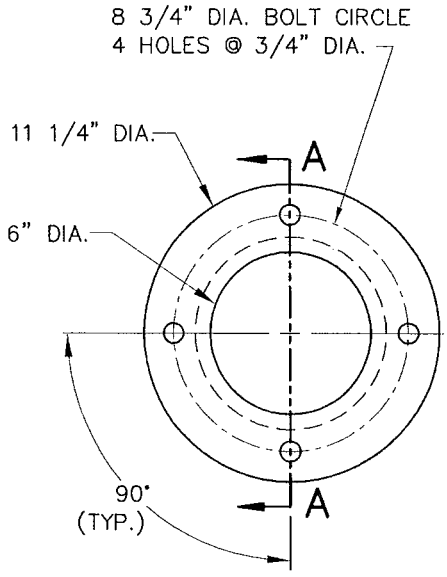
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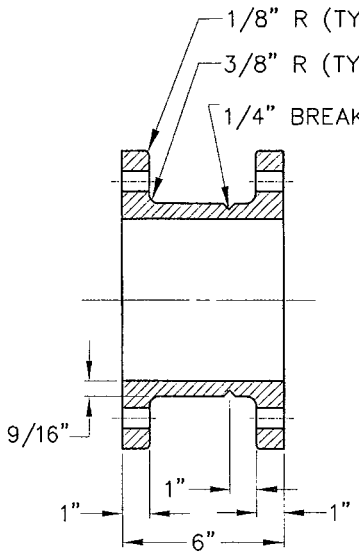
CITY OF BURBANK
WATER AND POWER

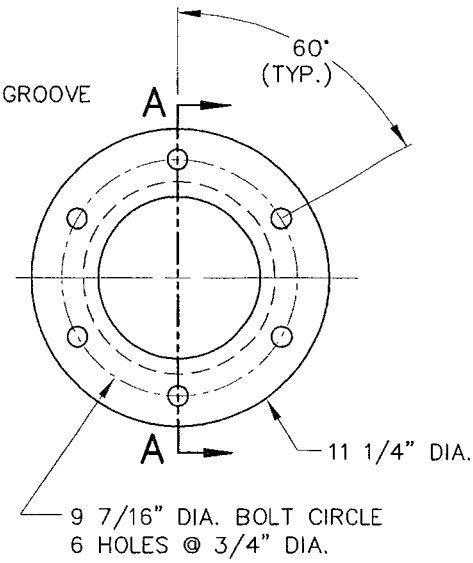
HYDRANT FLANGE ADAPTER SPOOL
(NO HOLES IN BURY FLANGE)

DRAWING NO.
BWP–709

HYDRANT FLANGE ADAPTER SPOOL







BURY FLANGE SECTION A–A HYDRANT BASE

NOTES:

1) THIS ITEM IS TO MEET CURRENT AWWA STANDARDS.
2) SPOOL IS CAST IRON WITH MACHINED 1/4" BREAK–OFF GROOVE.
3) STOCK NO. 13.829000, HYDRANT FLANGE ADAPTER SPOOL.

ASSISTANT GENERAL MANAGER

Fred Lantz 1/24/01
DATE

NO.	REVISIONS	BY	CHECK	APP'VD	DATE
B	UPDATED MADE WITH C.I.	RPY	WOM	WOM	11/15/02
A	UPDATED CAST WITH D.I. MATERIAL	RPY	JJL	WOM	10/10/02

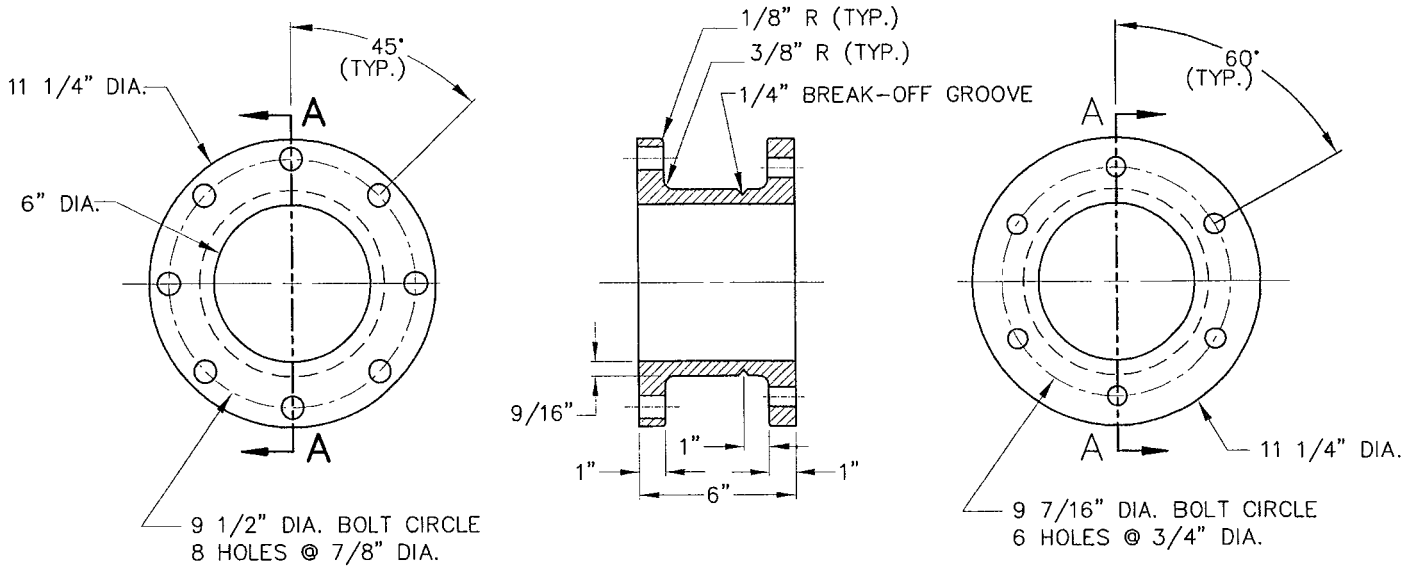
DRAWN	SCALE	CHECK	APP'VD	DATE
RPY	N.T.S.	PF	WOM	1/24/01

CITY OF BURBANK
WATER AND POWER

HYDRANT FLANGE ADAPTER SPOOL

DRAWING NO. BWP–710

HYDRANT FLANGE ADAPTER SPOOL
(8 HOLES IN BURY FLANGE)



BURY FLANGE | SECTION A–A | HYDRANT BASE

NOTES:

1) THIS ITEM IS TO MEET CURRENT AWWA STANDARDS.
2) SPOOL IS CAST IRON WITH MACHINED 1/4" BREAK–OFF GROOVE.
3) STOCK NO. 13.829020, HYDRANT FLANGE ADAPTER SPOOL.

ASSISTANT GENERAL MANAGER

Fred Lantz 6/12/01
DATE

NO.	REVISIONS	BY	CHECK	APP'VD	DATE
B	UPDATED MADE WITH C.I.	RPY	JJL	WOM	11/15/02
A	UPDATED CAST WITH D.I. MATERIAL	RPY	JJL	WOM	10/10/02

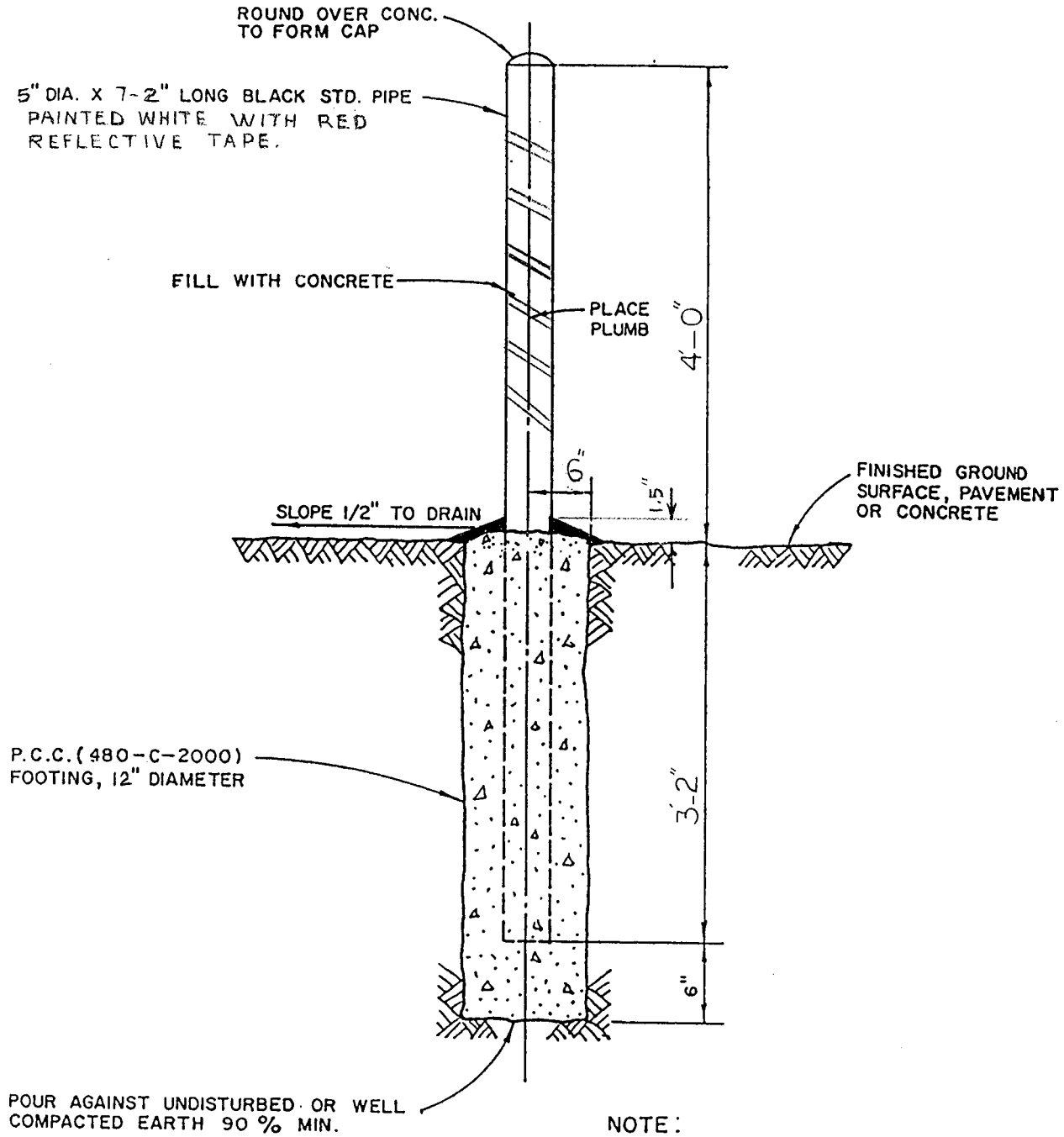
DRAWN RPY | SCALE N.T.S. | CHECK PF | APP'VD WOM | DATE 1/23/01

CITY OF BURBANK
WATER AND POWER

HYDRANT FLANGE ADAPTER SPOOL
(8 HOLES IN BURY FLANGE)

DRAWING NO.
BWP–711

84303



NOTE:

1. NUMBER & POSITION OF GUARD POSTS AS SPECIFIED ON THE PLANS.

NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

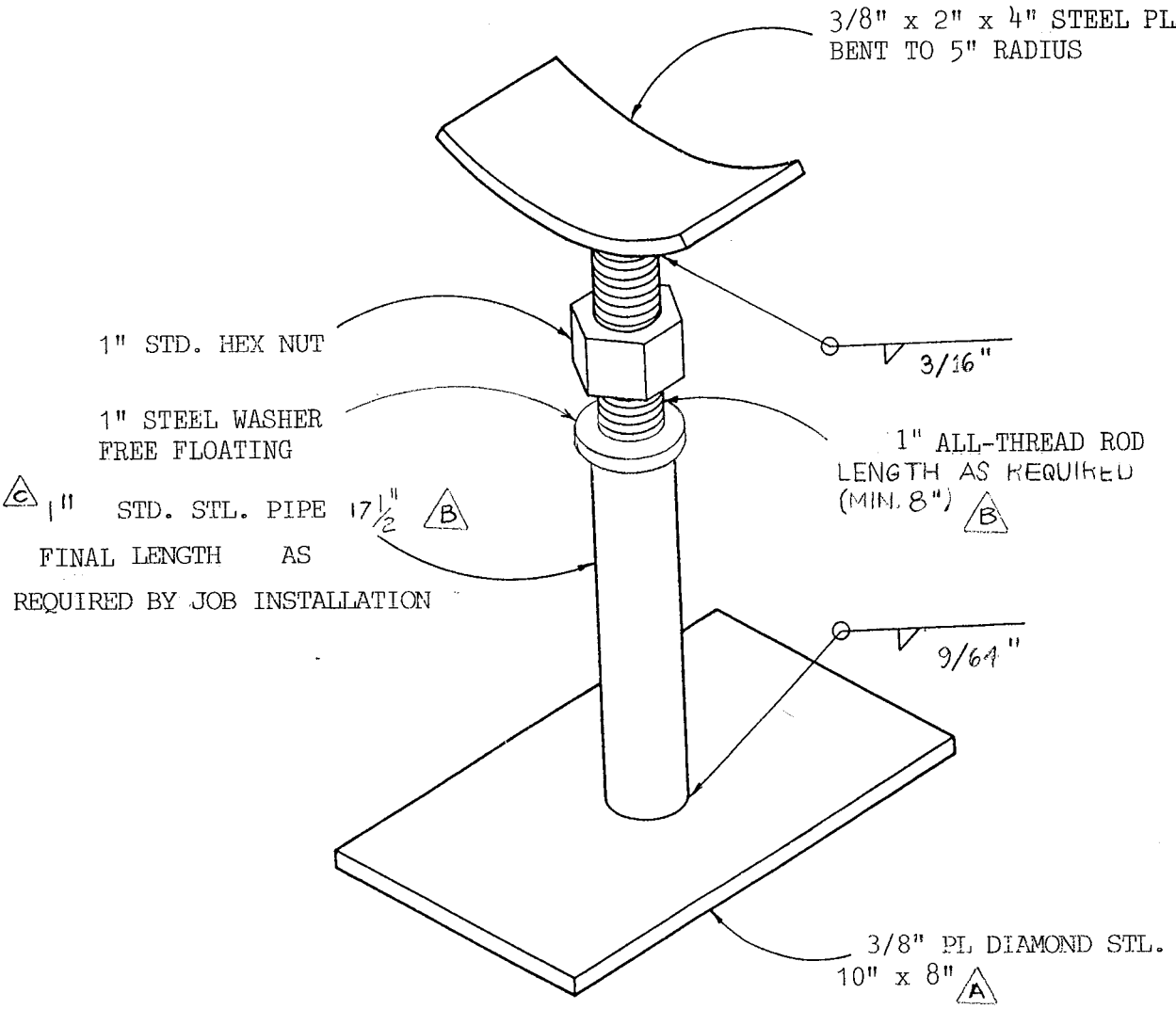
DRAWN R.T | SCALE N.T.S | CHECK Jim L. | APP'V'D | DATE 1-25-88

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

GUARD POST INSTALLATION

DRAWING NO. PSD- 750

84303



NOTES:

1) PIPE SUPPORTS SHALL BE PAINTED AND COATED

2) ALL THREADED AREAS SHALL BE COATED WITH ANTI-RUST LUBRICANT.

WATER SYSTEM MANAGER DATE: 10/13/00

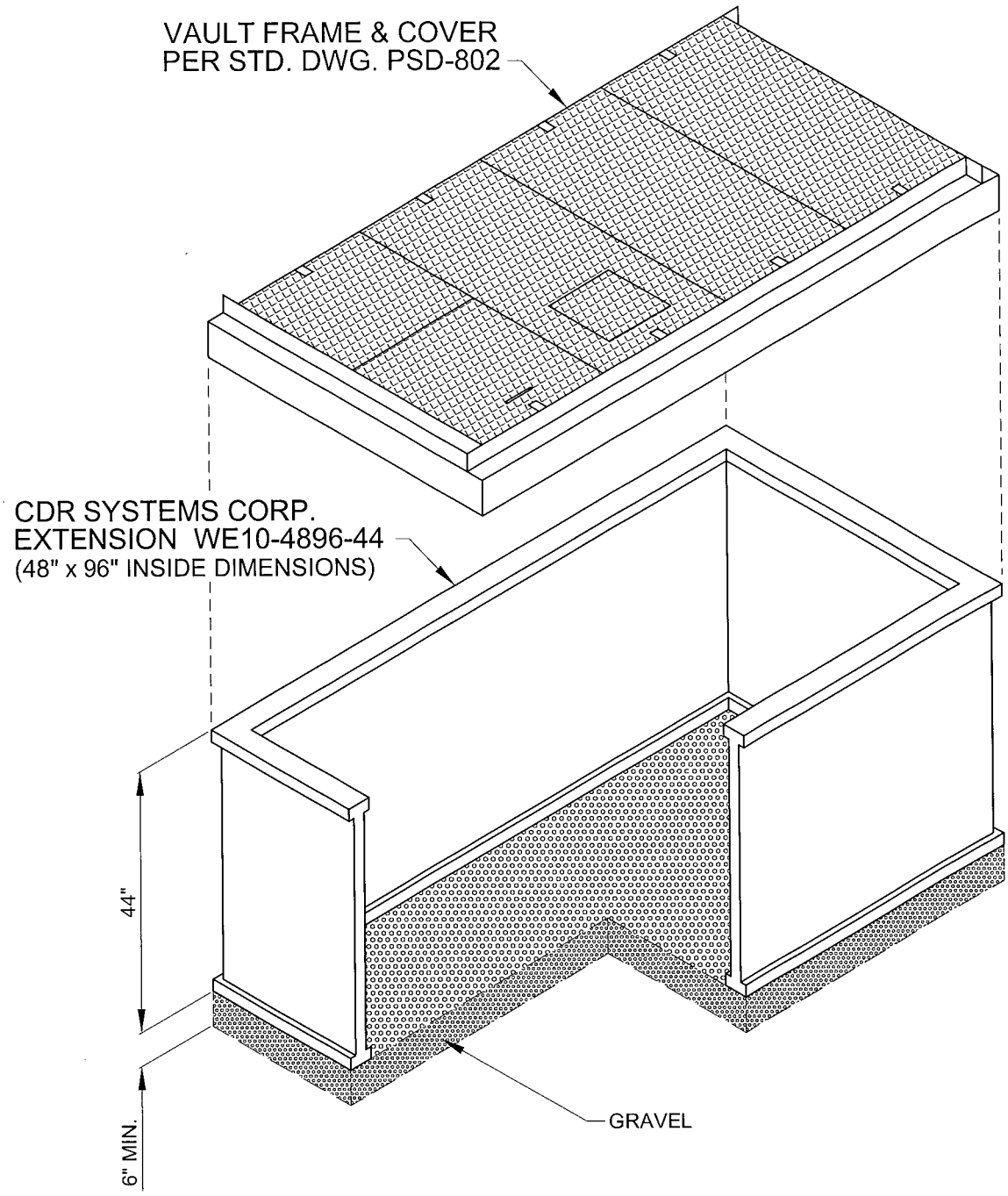
No.	REVISIONS	BY	CHECK	APP'V'D	DATE
C	CHANGE STAND PIPE DIA.	RPY	JJL		12-18-97
B	CHANGED STL. PIPE/THREAD ROD	R.S.	JJL		5-5-95
D	REVISE NOTES	RPY			3/14/00

DRAWN R.T | SCALE N.T.S. | CHECK J.L. | APP'V'D CRB | DATE 2-2-83

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

ADJUSTABLE PIPE SUPPORT

DRAWING NO. PSD-780



GENERAL NOTES

1. VAULT LOCATION TO BE APPROVED BY WATER DIVISION.
2. CITY SUPPLIED FRAME AND COVER AT COST.

BILL OF MATERIAL

ITEM	STOCK NO.	QTY.
CDR SYSTEMS CORP. EXTENSION	43.800300	1
VAULT FRAME & COVER - PSD FAB	43.800200	1
VAULT COVER BOLT KIT	43.800250	1

ASSISTANT GENERAL MANAGER

Fred Lantz 5/17/00

DATE

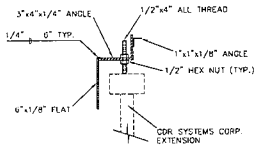
NO.	REVISIONS	BY	CHECK	APP'V'D	DATE
A	CDR SYSTEMS CORP EXTENSION	RPY	JJL	WOM	6/21/02

DRAWN RPY | SCALE N.T.S. | CHECK PF | APP'V'D WOM | DATE 5/2/00

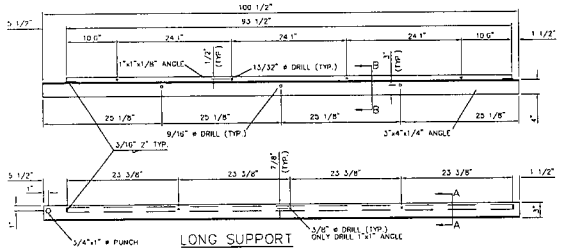
CITY OF BURBANK
WATER and POWER

NON-TRAFFIC VAULT
FOR 4" - 8" FIRE SERVICES
AND 3" - 6" DOMESTIC SERVICES

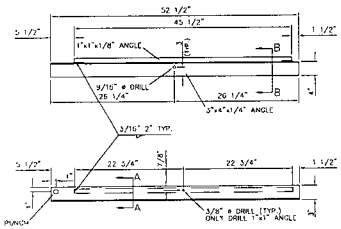
DRAWING NO.
BWP-800



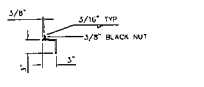
LEVELING ADJUSTMENT DETAIL
N.T.S.



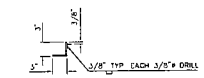
LONG SUPPORT



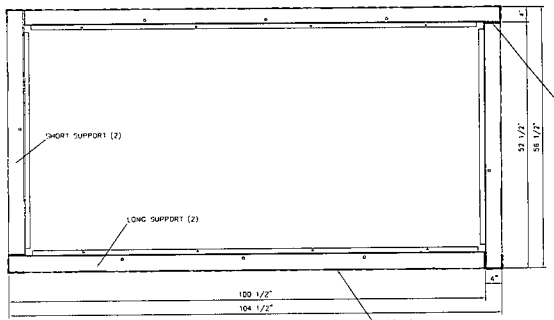
SHORT SUPPORT



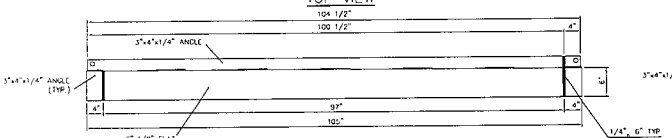
SECTION B-B



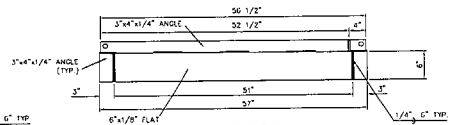
SECTION A-A



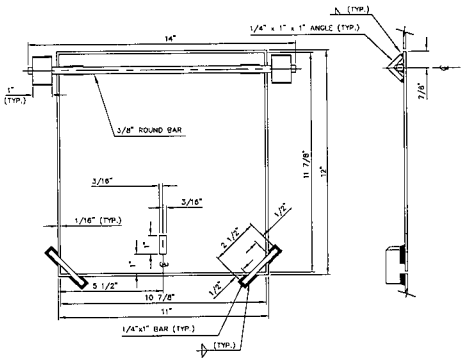
TOP VIEW



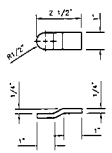
FRONT VIEW



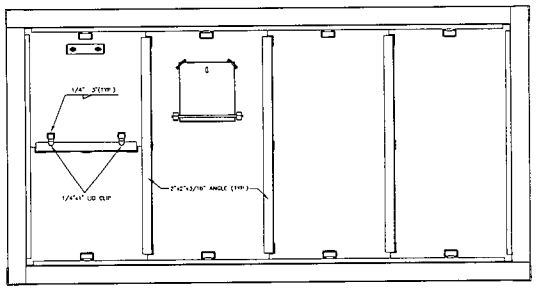
SIDE VIEW



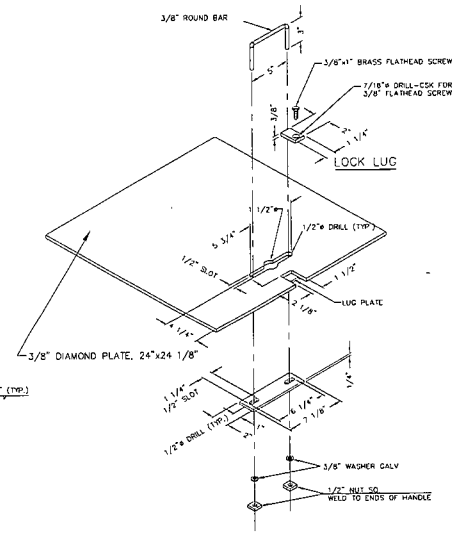
READING LID UNDERSIDE DETAIL
N.T.S.



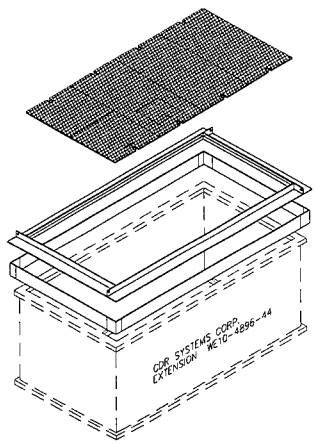
LID CLIP DETAIL
N.T.S.



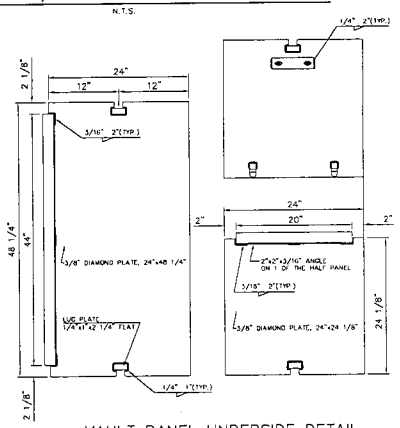
VAULT FRAME/LID ASSEMBLY UNDERSIDE DETAIL
N.T.S.



HANDLE & LOCK LUG DETAIL
N.T.S.



GENERAL ISOMETRIC VIEW
N.T.S.



VAULT PANEL UNDERSIDE DETAIL
N.T.S.

BILL OF MATERIAL

ITEM	DESCRIPTION	QTY	STOCK NO.
1	1" x 1" x 1/4" HR ANGLE, 1" LENGTH	2	61.051300
2	1" x 1" x 1/8" HR ANGLE, 45 1/2" LENGTH	2	61.051100
3	1" x 1" x 1/8" HR ANGLE, 93 1/2" LENGTH	2	61.051100
4	2" x 2" x 3/16" HR ANGLE, 20" LENGTH	1	61.053400
5	2" x 2" x 3/16" HR ANGLE, 44" LENGTH	3	61.053400
6	3" x 4" x 1/4" HR ANGLE, 100 1/2" LENGTH	2	61.056000
7	3" x 4" x 1/4" HR ANGLE, 52 1/2" LENGTH	2	61.056000
8	3" x 4" x 1/4" HR ANGLE, 6" LENGTH	4	61.056000
9	1/4" x 1" MS FLAT, 2 1/2" LENGTH	4	61.025500
10	1/4" x 1" HR FLAT, 2 1/4" LENGTH	8	61.025500
11	1/4" x 2" HR FLAT, 7 1/8" LENGTH	1	61.025900
12	1/8" x 6" HR FLAT, 51" LENGTH	1	61.021540
13	1/8" x 6" HR FLAT, 97" LENGTH	2	61.021500
14	3/8" x 2" HR FLAT, 1 1/4" LENGTH	8	61.029600
15	3/8" DIAMOND PLATE, 24" x 48 1/4"	4	61.105700
16	3/8" HR ROUND BAR, 11" LENGTH	1	61.000500
17	3/8" HR ROUND BAR, 14" LENGTH	1	61.000500
18	1/2" NUT HEX	16	66.240105
19	1/2" NUT SQ.	2	66.240806
20	1/2" x 4" ALL THREAD	4	66.904000
21	3/8" BLACK NUT HEX	8	66.240103
22	3/8" WASHER GALV	2	66.400006
23	3/8" x 3" BRASS FLAT HEAD SCREW	8	66.271310

NOTES:

1. VAULT LIDS SHALL BE SURFACE PREPARED FOR PAINTING WITH SOLVENT CLEANING (SSPC-SP1) AND POWER TOOL CLEANING (SSPC-SP3) AS NECESSARY.
2. PAINTING SCHEDULE:
   COVERS (TOP) - ZINC CHROMATE PRIMER AND TWO COATS ALUMINUM PAINT PERVO #2404.
   COVERS (BOTTOM) AND FRAME - 3 COATS KOPPER BITUMINOUS SUPER TANK.
3. METER READING LID WILL BE CUT INTO ONE OF THE FULL LID PANELS AFTER THE LOCATION HAS BEEN DETERMINED IN THE FIELD.

NO.	REVISIONS	BY	CHECK APP'VD	DATE
D	REVISED FRAME'S ANGLE IRON SIZE (3"x4"x1/4") & BILL OF MATERIAL	RPY		
C	REVISED FRAME'S ANGLE IRON SIZE (3"x3"x1/4")	RPY		
B	REVISED FRAME'S ANGLE IRON SIZE (2 1/2" x 2" x 1/4"), LIFTING BAIL, HINGES & BILL OF MATERIAL	RPY	JJL	WDM 08/12/02
A	REVISED FRAME'S ANGLE IRON SIZE & READING LID	RPY		WDM 04/03/02

CITY OF BURBANK
WATER and POWER

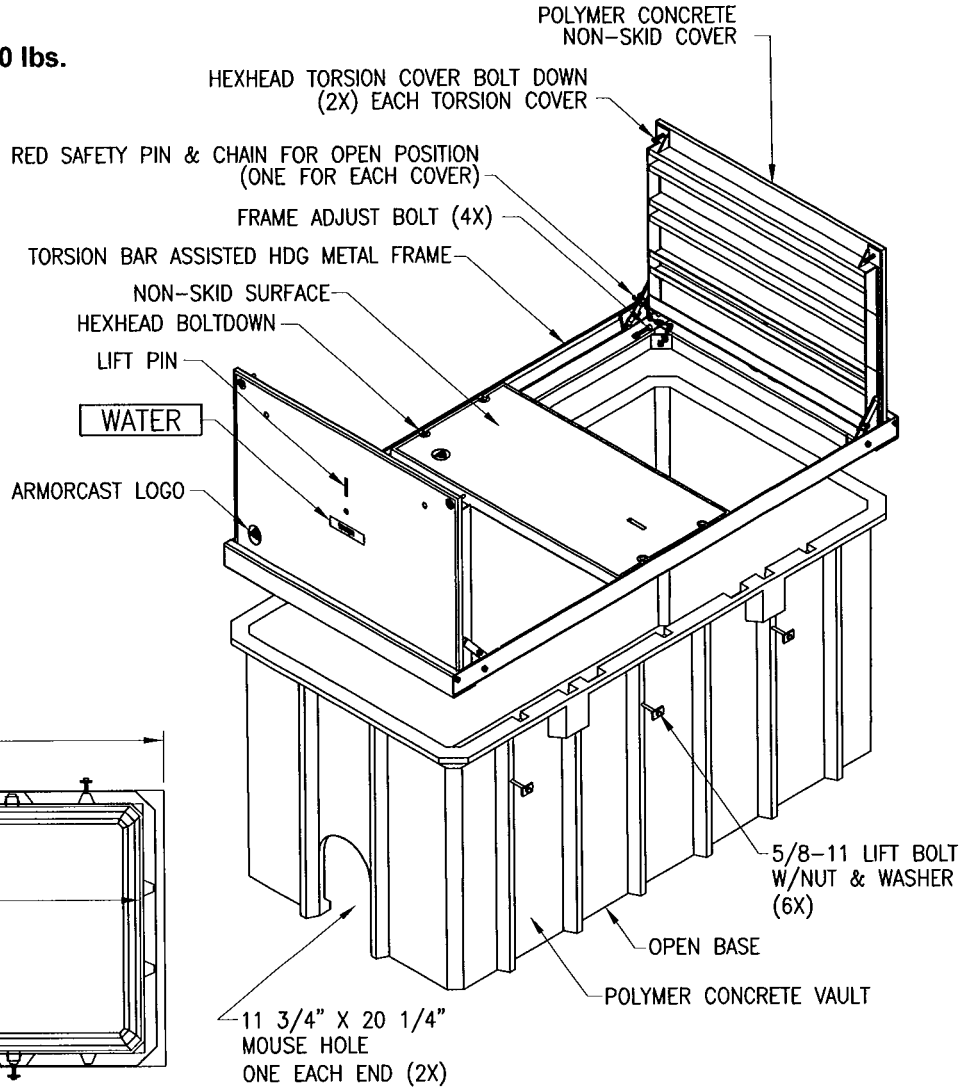
MODIFIED NON-TRAFFIC VAULT FRAME FOR 3", 4", 6" & 8" SERVICES

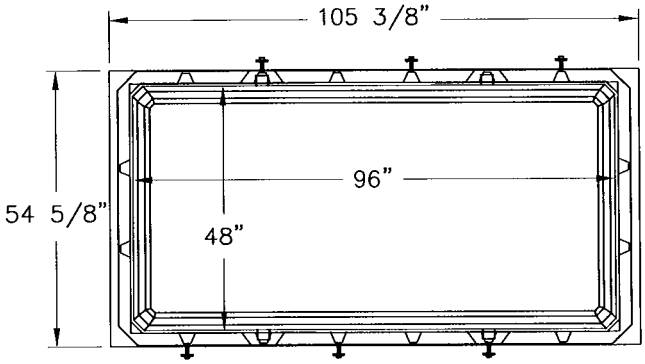
DRAWN RPY DATE JUNE 7, 2001 D.E. Peter Frankel June 28, 2001
CHECK SCALE N.T.S. D.E. W.D. Mace June 28, 2001
APPROVED Fred Lantz June 28, 01
ASSISTANT GENERAL MANAGER DATE
DRAWING NO. BWP-802

Reduced Copy (original "D" size)

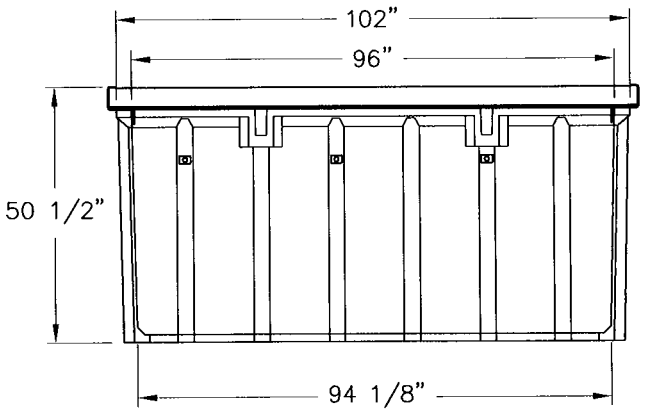
ARMORCAST PART No. A6001449TAP48MT

APPROXIMATE WEIGHT: 1,990 lbs.

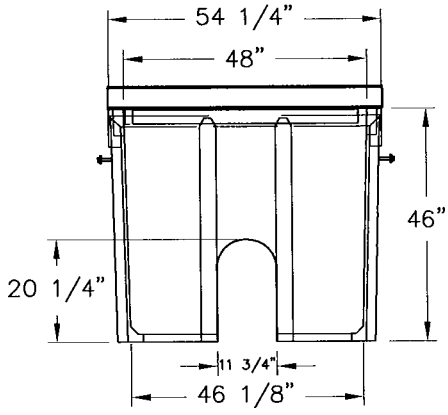




TOP VIEW WITHOUT COVERS



FRONT VIEW



SIDE VIEW

NOTES

1. THE VAULT SHALL BE INSTALLED AT SIDEWALKS OR PARKWAY ONLY
2. PROVIDE FOUR INCHES OF CRUSHED ROCK AS BASE MATERIAL UNDER VAULT
3. MAXIMUM ACCEPTABLE TOLERANCE IN ANY DIMENSION IS +/- 1/8"
4. POSITION THE VAULT INTO THE EXCAVATION WITH THE FRAME AND COVER IN PLACE, BACKFILL, COMPACT AND ADJUST TO GRADE AS NECESSARY.

ASSISTANT GENERAL MANAGER
W. U. Moore 10/14/08
DATE

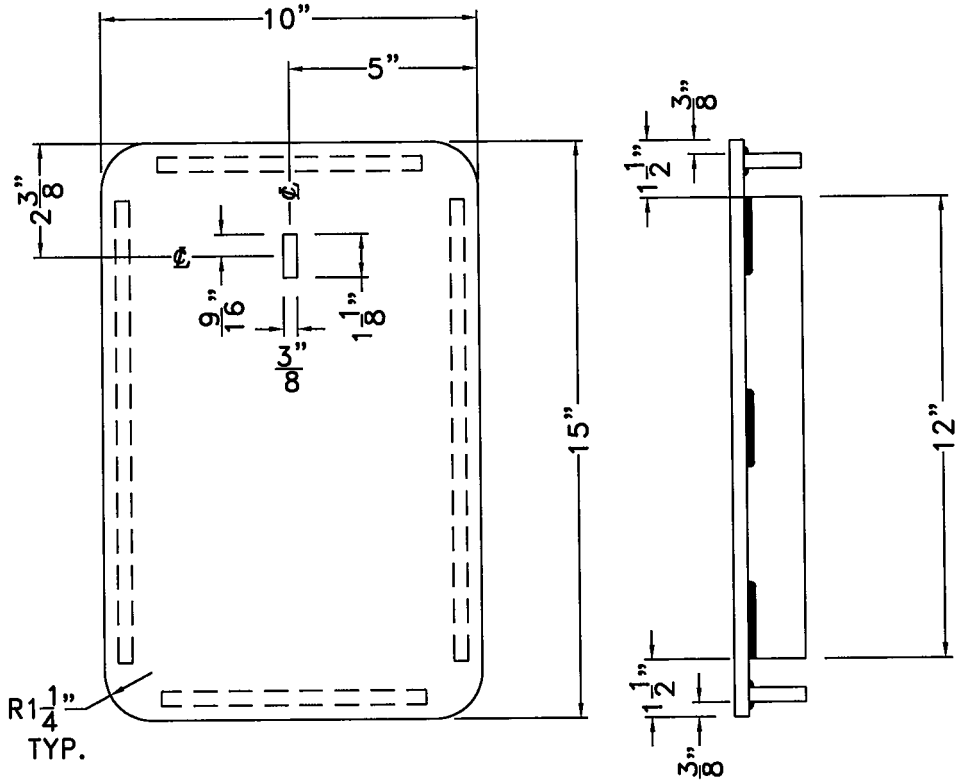
NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

CITY OF BURBANK
WATER AND POWER

DRAWN	SCALE	CHECK	APP'V'D	DATE
RPY	N.T.S.		BN	10/14/08

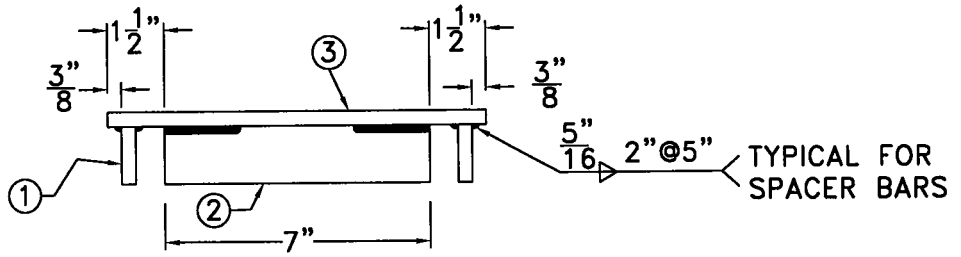
48" x 96" x 48" ARMORCAST POLYMER CONCRETE VAULT w/ TORSION ASSIST COVER

DRAWING NO.
BWP-805



PLAN VIEW

SIDE VIEW



END VIEW

ITEM	DESCRIPTION	QTY	MATERIAL
1	LONG SPACER BAR	2	3/8"X1 1/2"X12" STEEL BAR
2	SHORT SPACER BAR	2	3/8"X1 1/2"X7" STEEL BAR
3	COVER PLATE	1	3/8"X10"X15" STL DIAMOND PL

ASSISTANT GENERAL MANAGER
Rantz DATE 3/21/96

NOTE:
STOCK NO. 43-5044.00
LID FITS FRAIZER 3-1/2 BOX

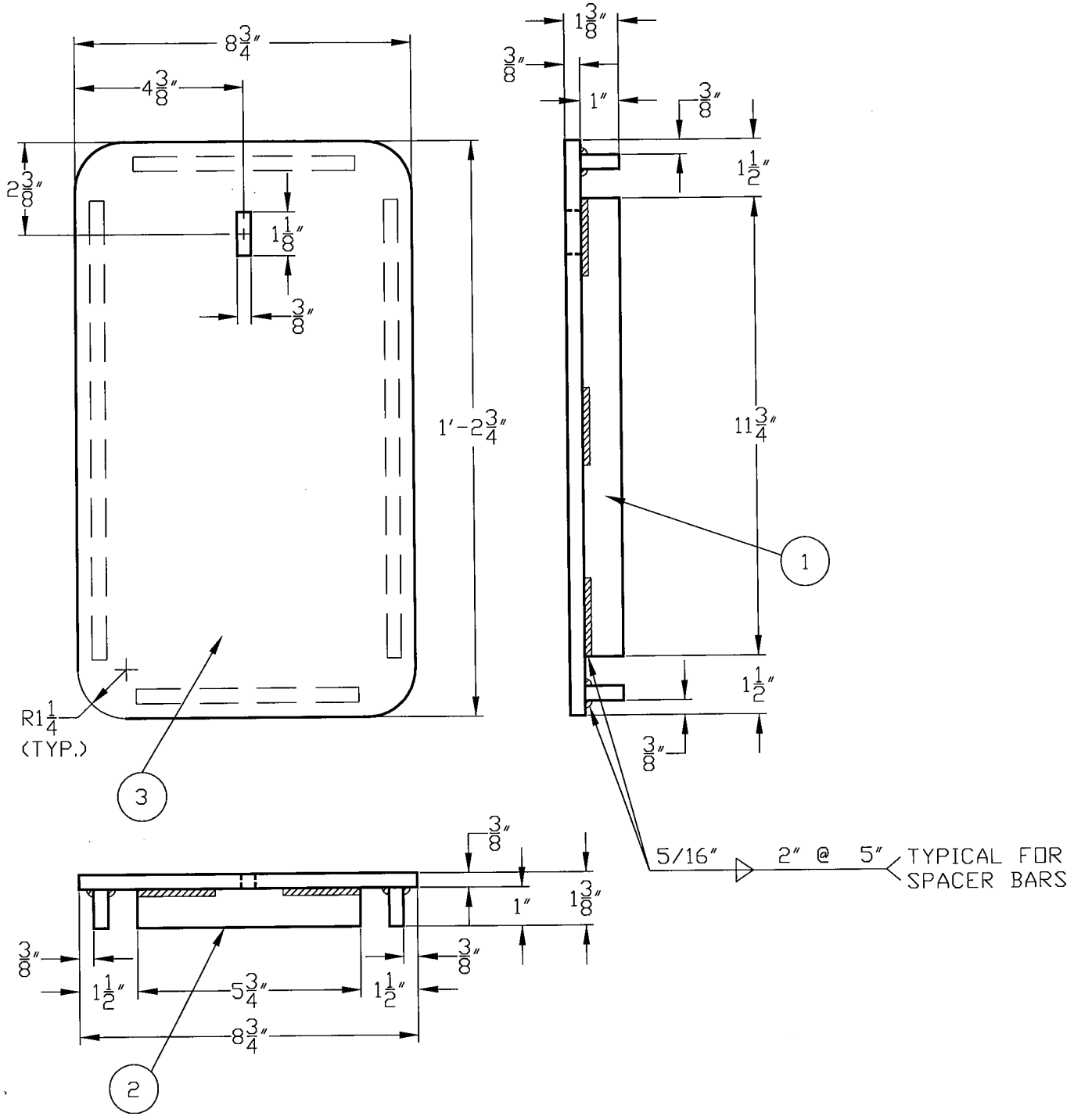
NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

DRAWN R.S. | SCALE N.T.S. | CHECK JJL 3/20/96 | APP'V'D CRB | DATE 3-11-96

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

STEEL LID FOR 3/4" METER BOX

DRAWING NO. PSD-810



ITEM	DESCRIPTION	QTY.	MATERIAL
1	LONG SPACER BAR	2	3/8" x 1" x 11 3/4" STEEL BAR (HOT ROLL)
2	SHORT SPACER BAR	2	3/8" x 1" x 5 3/4" STEEL BAR (HOT ROLL)
3	COVER PLATE	1	3/8" x 8 3/4" x 14 3/4" STL DIAMOND PLT.

ASSISTANT GENERAL MANAGER

Fred Kantz 4/29/98
DATE

NOTE:
STOCK NO. 43-4226.00
LID FITS FRAIZER 3 BOX

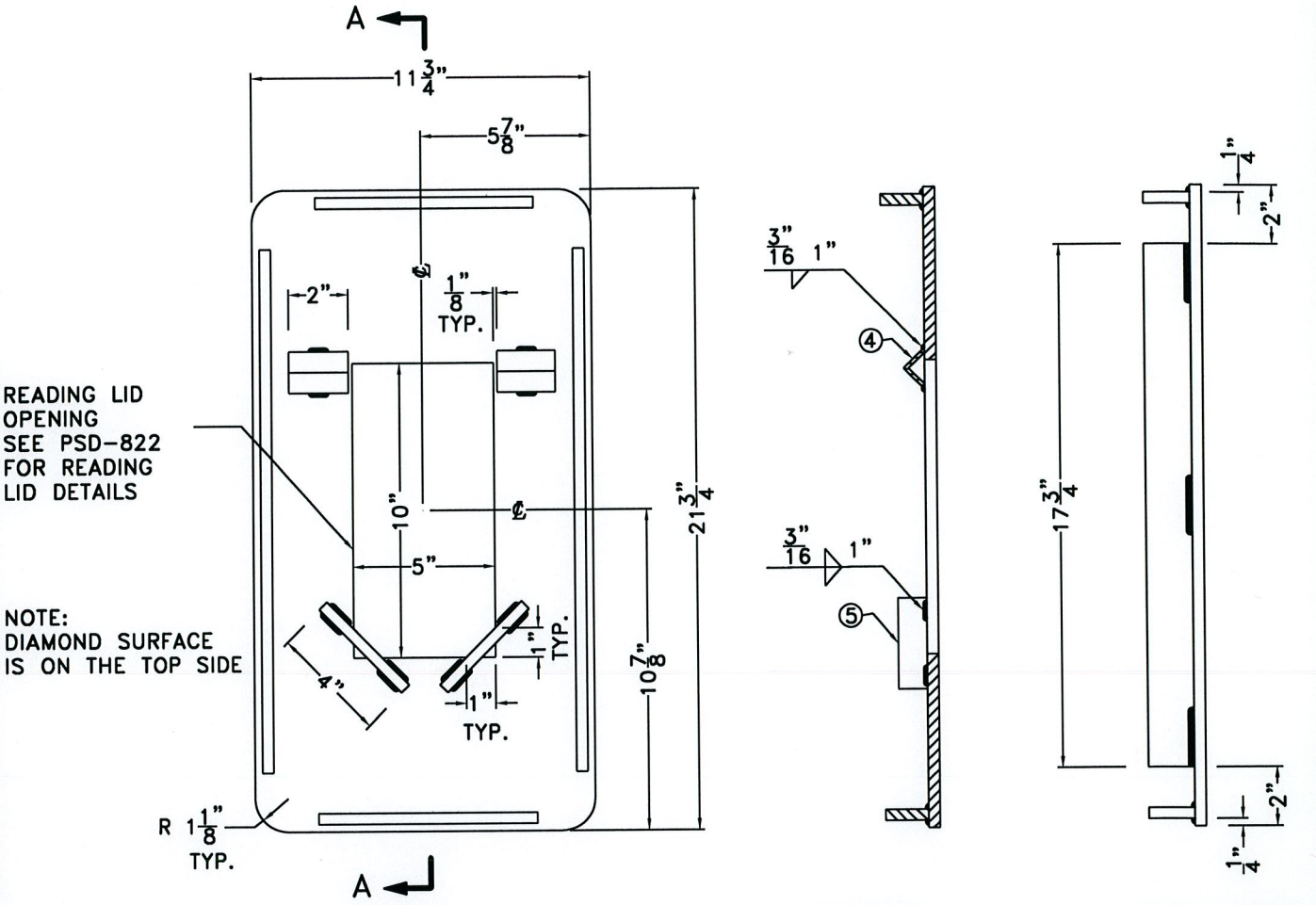
NO.	REVISIONS	BY	CHECK	APP'VD	DATE

DRAWN: RPY | SCALE: N.T.S. | CHECK JJL | APP'VD | DATE: 4/27/98

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

STEEL LID FOR
3/4" METER BOX

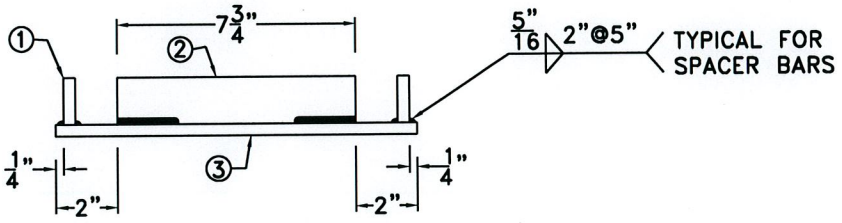
DRAWING NO.
PSD 815



BOTTOM VIEW

SECTION A-A

SIDE VIEW



END VIEW

ITEM	DESCRIPTION	QTY	MATERIAL
1	LONG SPACER BAR	2	3/8" X 1 1/2" X 17 3/4" STEEL BAR
2	SHORT SPACER BAR	2	3/8" X 1 1/2" X 7 3/4" STEEL BAR
3	COVER PLATE	1	3/8" X 11 3/4" X 21 3/4" STL DIAMOND PL
4	ANGLE	2	1" x 1" x 1/8" ANGLE, 2" LONG
5	LID SUPPORT	2	3/8" X 1" X 4" STEEL BAR

ASSISTANT GENERAL MANAGER
Rantz DATE 3/21/96

NOTE:
STOCK NO. 43-4227.00
LID FITS FRAIZER 5 CONCRETE BOX

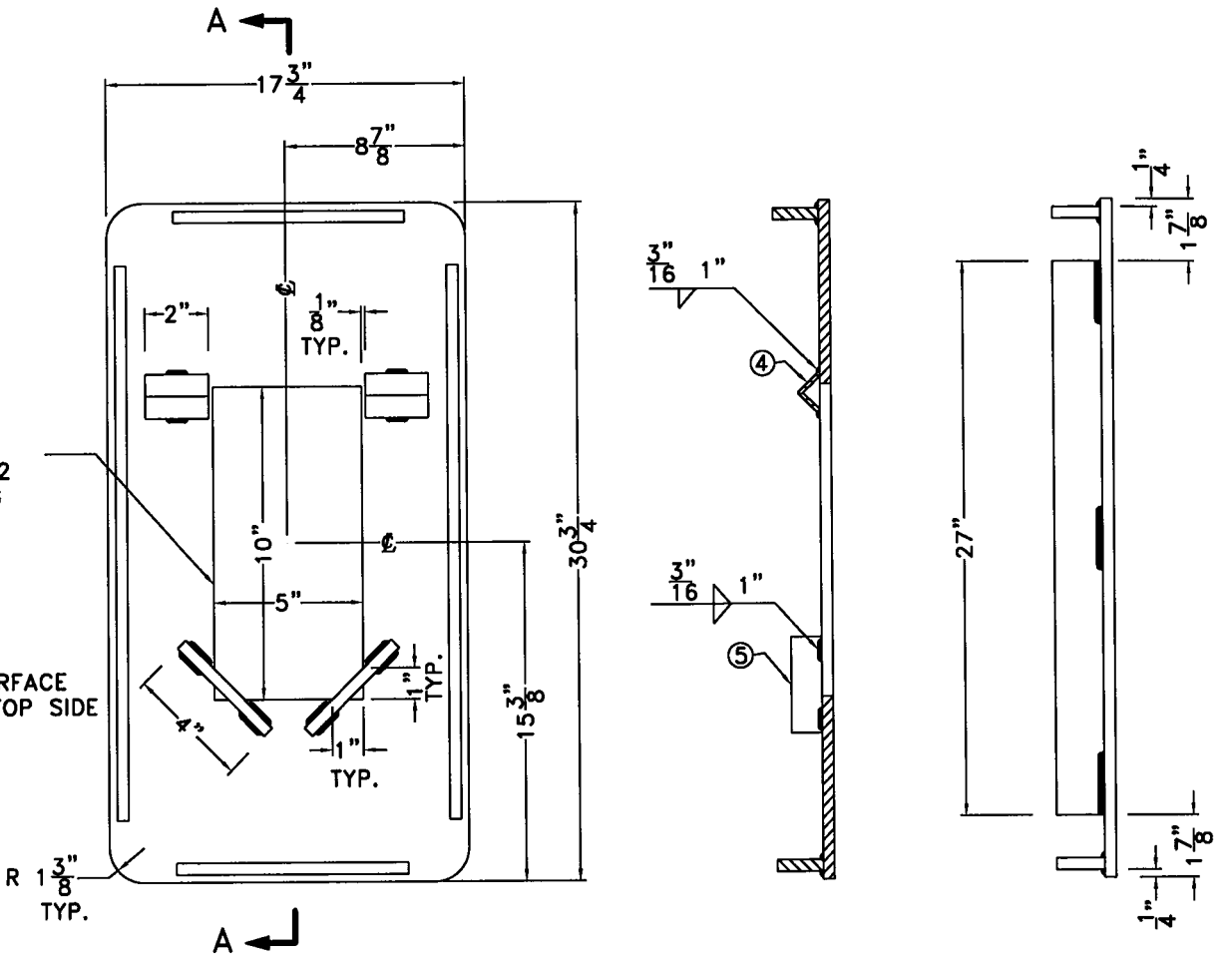
NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

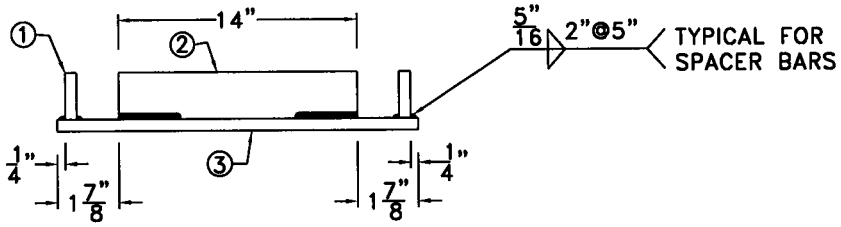
DRAWN R.S. | SCALE N.T.S. | CHECK 3/20/96 | APP'V'D CRB | DATE 3-11-96

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

STEEL LID FOR 1" METER BOX

DRAWING NO. PSD-820





END VIEW

ITEM	DESCRIPTION	QTY	MATERIAL
1	LONG SPACER BAR	2	3/8" X 1 1/2" X 27" STEEL BAR
2	SHORT SPACER BAR	2	3/8" X 1 1/2" X 14" STEEL BAR
3	COVER PLATE	1	3/8" X 17 3/4" X 30 3/4" STL DIAMOND PL
4	ANGLE	2	1" x 1" x 1/8" ANGLE, 2" LONG
5	LID SUPPORT	2	3/8" X 1" X 4" STEEL BAR

ASSISTANT GENERAL MANAGER
Kantz DATE 3/21/96

NOTE:
STOCK NO. 43-4230.00
LID FITS BROOKS 66S BOX

NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

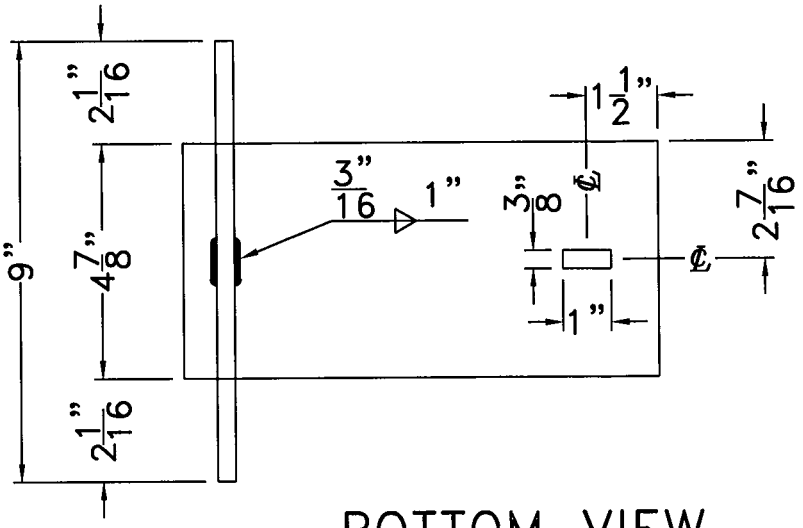
DRAWN R.S. | SCALE N.T.S. | CHECK 3/13/96 | APP'V'D CRB | DATE 3-11-96

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

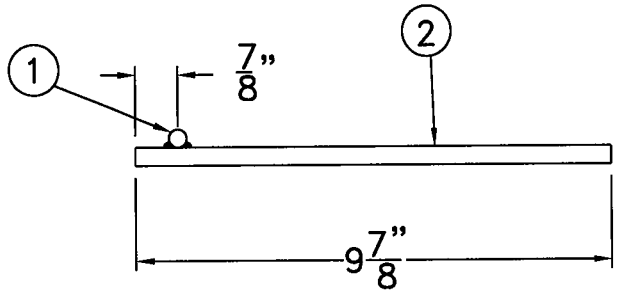
STEEL LID FOR 2" METER BOX

DRAWING NO. PSD-821

NOTE:
DIAMOND SURFACE
IS ON THE TOP SIDE



BOTTOM VIEW



SIDE VIEW

ITEM	DESCRIPTION	QTY	MATERIAL
1	PIVOT PIN	1	3/8"ø X 9" ROUND STEEL BAR
2	READING LID	1	3/8" X 4 7/8" X 9 7/8" X STL DIAMOND PL

ASSISTANT GENERAL MANAGER
Kantz DATE 3/21/96

NOTE:
READING LID IS IDENTICAL FOR ALL METER BOX COVERS

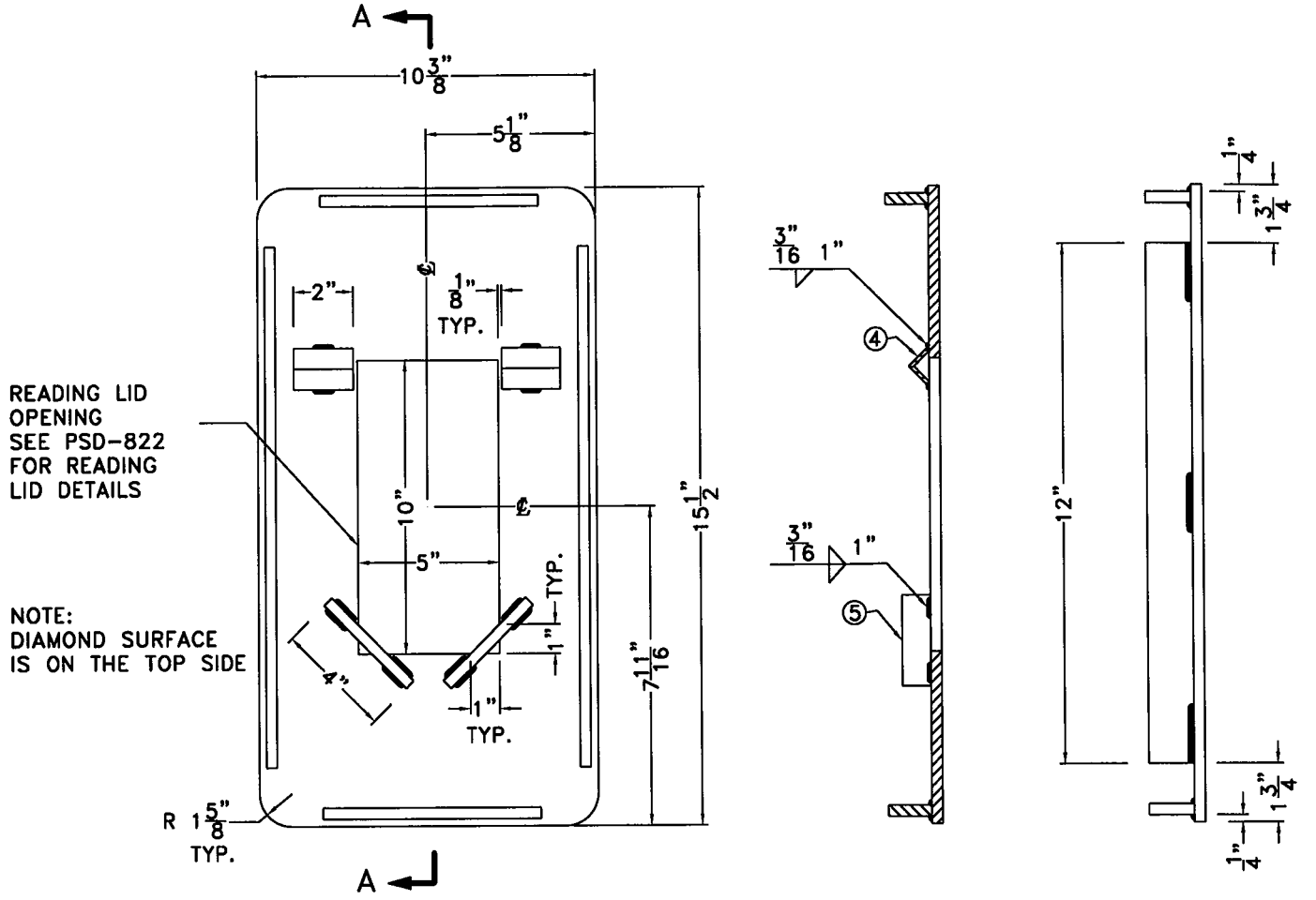
NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

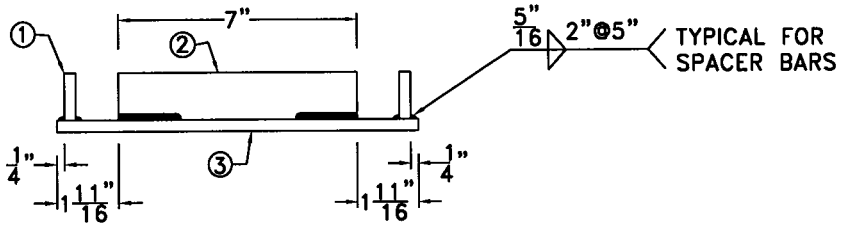
DRAWN R.S. | SCALE N.T.S. | CHECK JJL 3/20/96 | APP'V'D CRB | DATE 3-11-96

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

METER BOX LID
READING LID DETAIL

DRAWING NO.
PSD-822





END VIEW

ITEM	DESCRIPTION	QTY	MATERIAL
1	LONG SPACER BAR	2	3/8"X1 1/2"X12" STEEL BAR
2	SHORT SPACER BAR	2	3/8"X1 1/2"X7" STEEL BAR
3	COVER PLATE	1	3/8"X 10 3/8"X15 1/2" STL DIAMOND PL
4	ANGLE	2	1"x1"x1/8" ANGLE, 2" LONG
5	LID SUPPORT	2	3/8"X1"X4" STEEL BAR

ASSISTANT GENERAL MANAGER
Lantz DATE 3/21/96

NOTE:
STOCK NO. 43-4226.10
LID FITS BROOKS 36S BOX

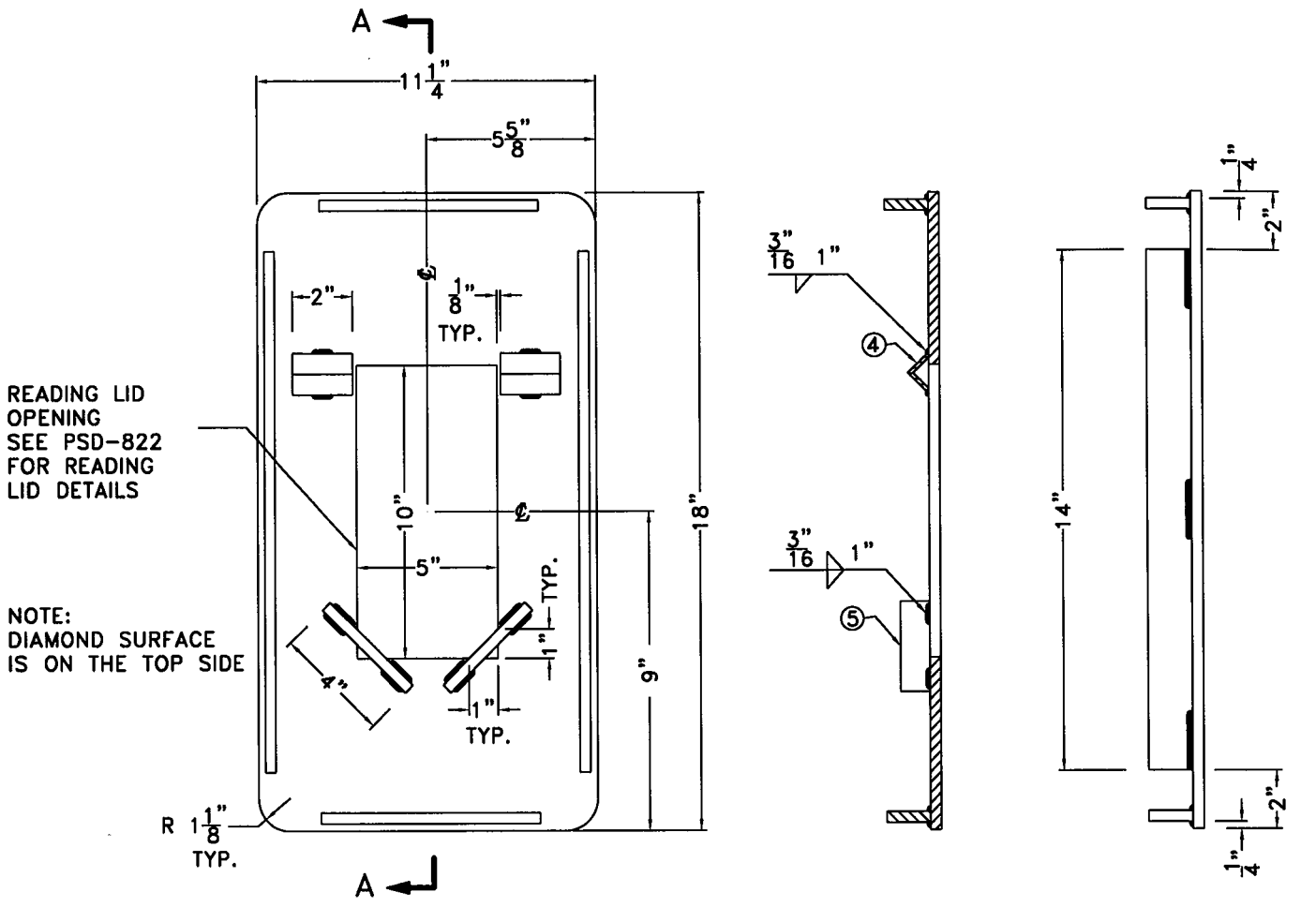
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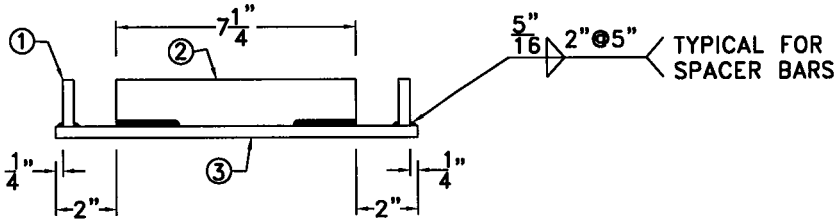
DRAWN R.S. | SCALE N.T.S. | CHECK [illegible] 3/20/96 | APP'V'D CRB | DATE 3-11-96

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

STEEL LID FOR 3/4" METER BOX

DRAWING NO. PSD-823





END VIEW

ITEM	DESCRIPTION	QTY	MATERIAL
1	LONG SPACER BAR	2	3/8" X 1 1/2" X 14" STEEL BAR
2	SHORT SPACER BAR	2	3/8" X 1 1/2" X 7 1/4" STEEL BAR
3	COVER PLATE	1	3/8" X 11 1/4" X 18" STL DIAMOND PL
4	ANGLE	2	1" x 1" x 1/8" ANGLE, 2" LONG
5	LID SUPPORT	2	3/8" X 1" X 4" STEEL BAR

ASSISTANT GENERAL MANAGER
Kantz DATE 3/21/96

NOTE:
STOCK NO. 43-4227.10
LID FITS BROOKS 37S BOX

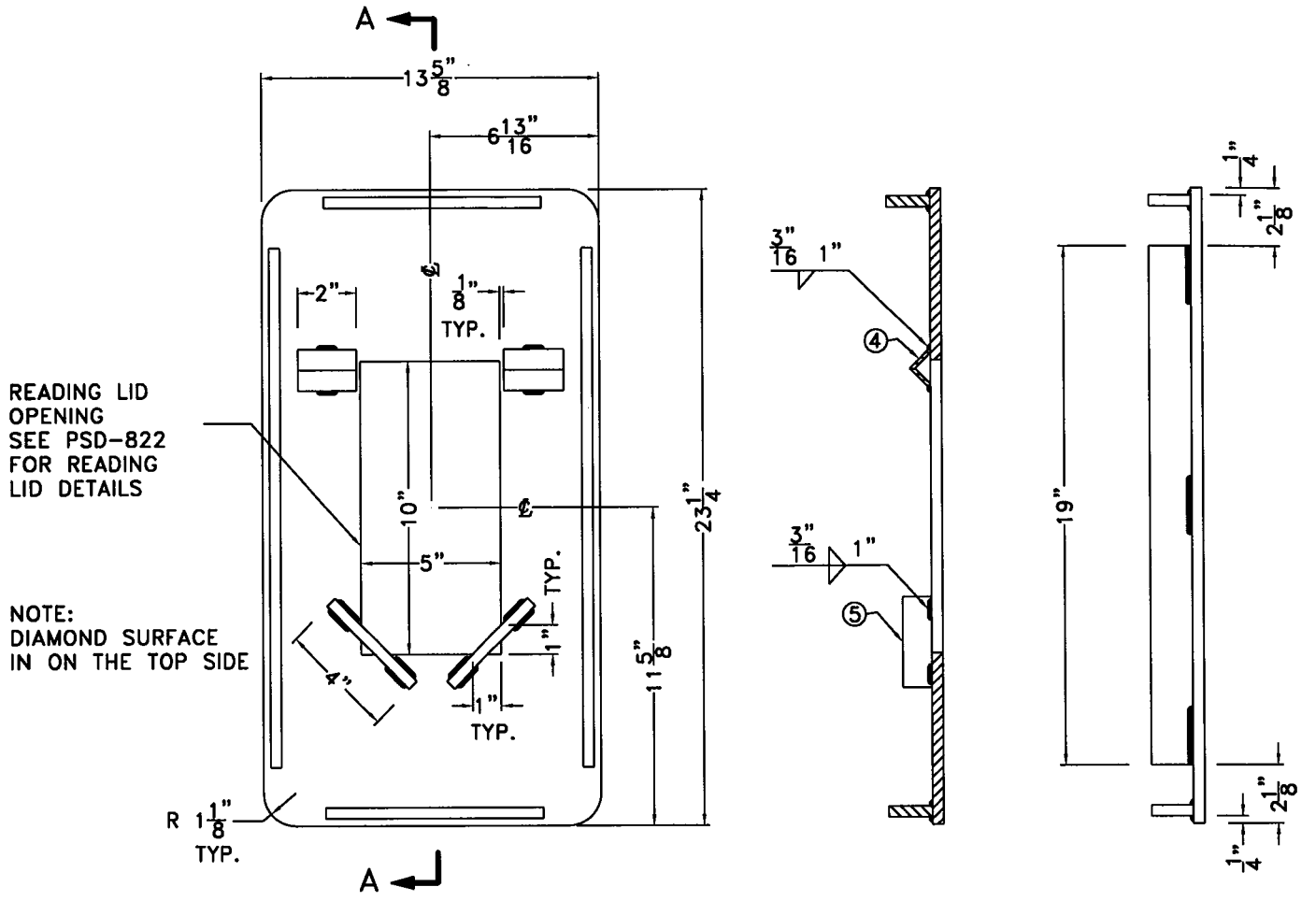
NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

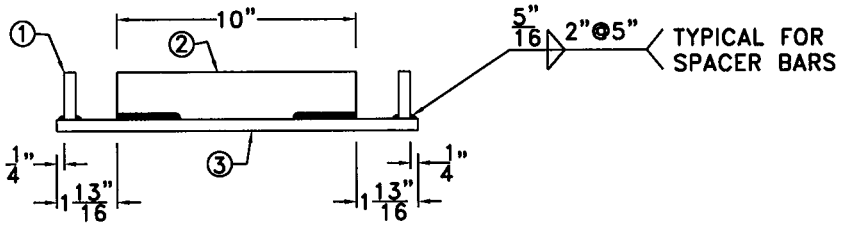
DRAWN R.S. | SCALE N.T.S. | CHECK 3/20/96 | APP'V'D CRB | DATE 3-11-96

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

STEEL LID FOR 1" METER BOX

DRAWING NO. PSD-824





END VIEW

ITEM	DESCRIPTION	QTY	MATERIAL
1	LONG SPACER BAR	2	3/8" X 1 1/2" X 19" STEEL BAR
2	SHORT SPACER BAR	2	3/8" X 1 1/2" X 10" STEEL BAR
3	COVER PLATE	1	3/8" X 13 5/8" X 23 1/4" STL DIAMOND PL
4	ANGLE	2	1" x 1" x 1/8" ANGLE, 2" LONG
5	LID SUPPORT	2	3/8" X 1" X 4" STEEL BAR

ASSISTANT GENERAL MANAGER
Lantz DATE 3/21/96

NOTE:
STOCK NO. 43-4228.00
LID FITS BROOKS 38S BOX

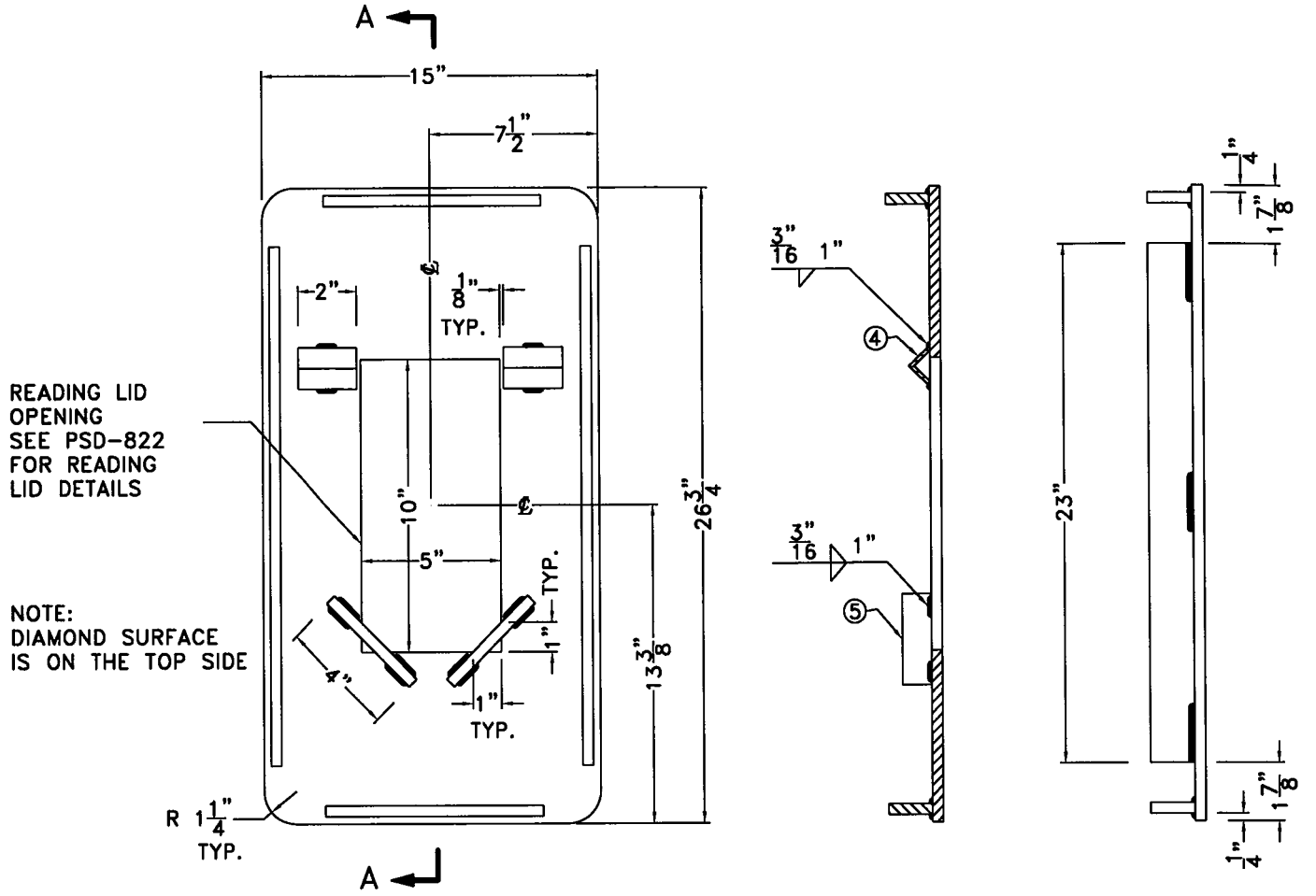
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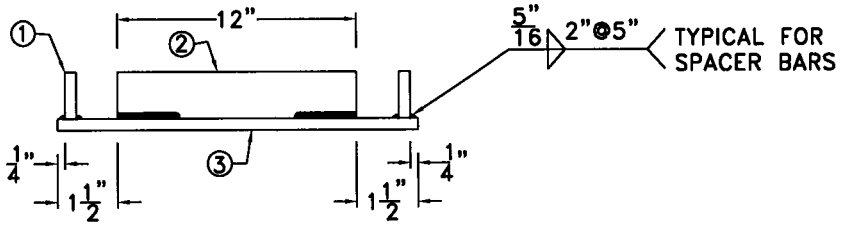
DRAWN R.S. | SCALE N.T.S. | CHECK [illegible] 3/20/96 | APP'V'D CRB | DATE 3-18-96

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

STEEL LID FOR 1 1/2" METER BOX

DRAWING NO. PSD-825





END VIEW

ITEM	DESCRIPTION	QTY	MATERIAL
1	LONG SPACER BAR	2	⅜" X 1½" X 23" STEEL BAR
2	SHORT SPACER BAR	2	⅜" X 1½" X 12" STEEL BAR
3	COVER PLATE	1	⅜" X 15" X 26¾" STL DIAMOND PL
4	ANGLE	2	1" x 1" x ⅛" ANGLE, 2" LONG
5	LID SUPPORT	2	⅜" X 1" X 4" STEEL BAR

ASSISTANT GENERAL MANAGER
Rantz DATE 3/21/96

NOTE:
STOCK NO. 43-4229.00
LID FITS BROOKS 65S BOX

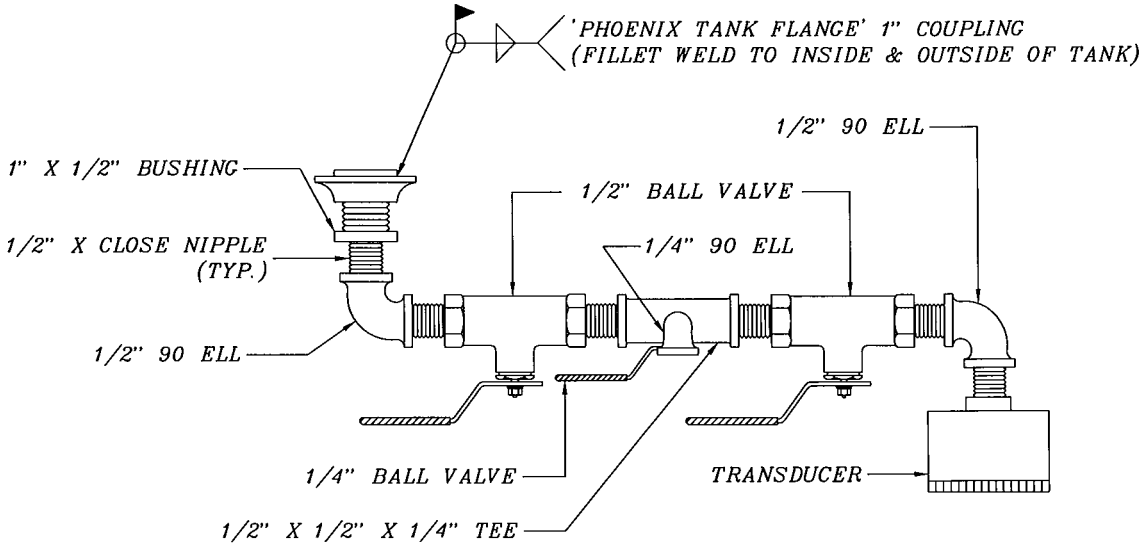
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DRAWN R.S. | SCALE N.T.S. | CHECK 3/20/96 | APP'V'D CRB | DATE 3-18-96

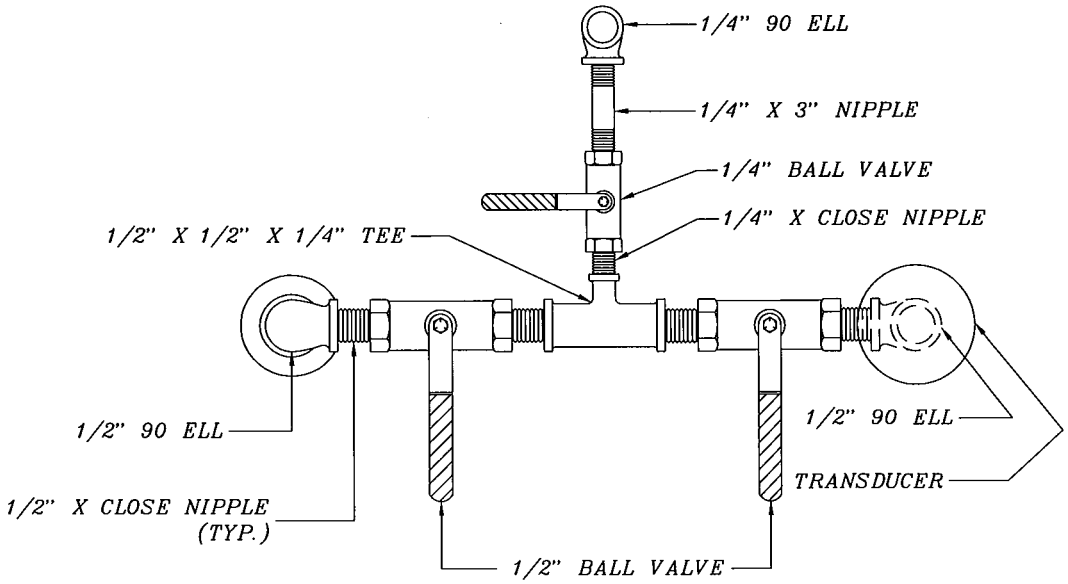
CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

STEEL LID FOR 2" METER BOX

DRAWING NO. PSD-826



PLAN VIEW



SIDE VIEW

WATER SYSTEM MANAGER
Fred Lantz DATE 8/7/95

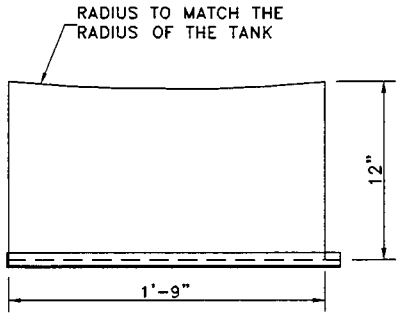
NO.	REVISIONS	BY	CHECK	APP'V'D	DATE
A	PHOENIX TANK FLANCE	D.W.		Wong	5/7/01

DRAWN	SCALE	CHECK	APP'V'D	DATE
R.S.	N.T.S.	P.F.	C.R.B.	7-31-95

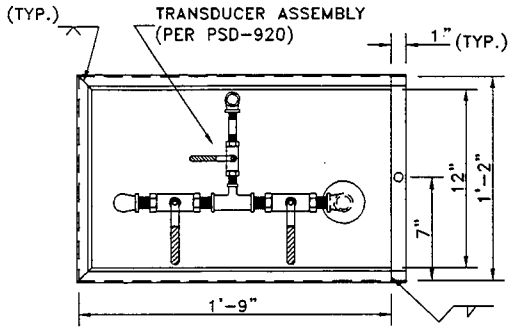
CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

TANK/RESERVOIR
PRESSURE TRANSDUCER
ASSEMBLY-VERSION "A"

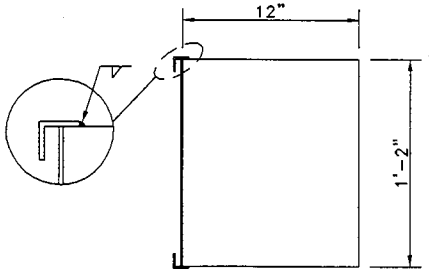
DRAWING NO.
PSD-920



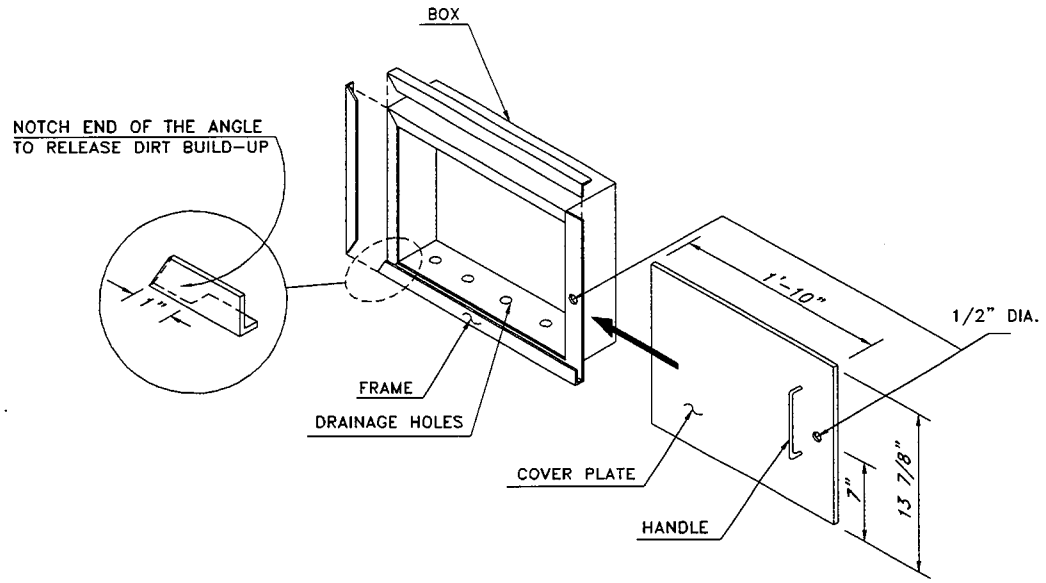
TOP VIEW



FRONT VIEW



SIDE VIEW



MATERIAL

BOX: 10 GA. STEEL PLATE
FRAME: 1X1X1/8 STEEL ANGLE
COVER: 10 GA. STEEL PLATE
HANDLE: 3/8" DIA. STEEL ROD

RADIUS OF TANK=

Underground Service Alert
Call 1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

ASSISTANT GENERAL MANAGER
DATE 4/21/97

NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

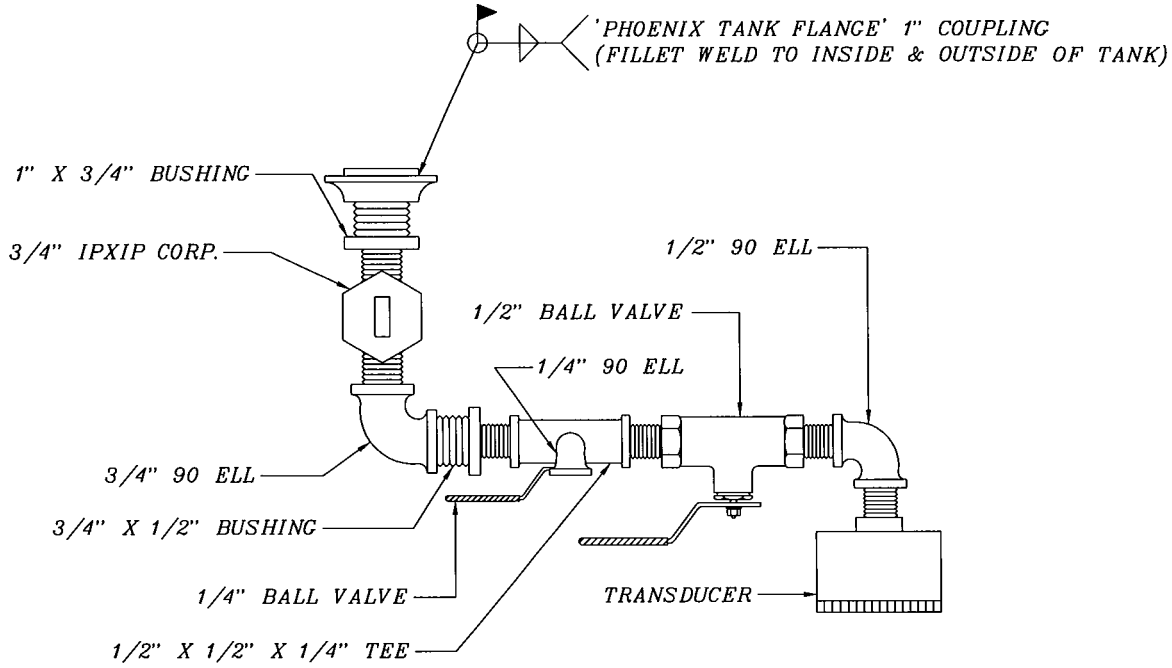
DRAWN R.S. | SCALE N.T.S. | CHECKED 4/10/97 | APP'VED | DATE 4-16-97

CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

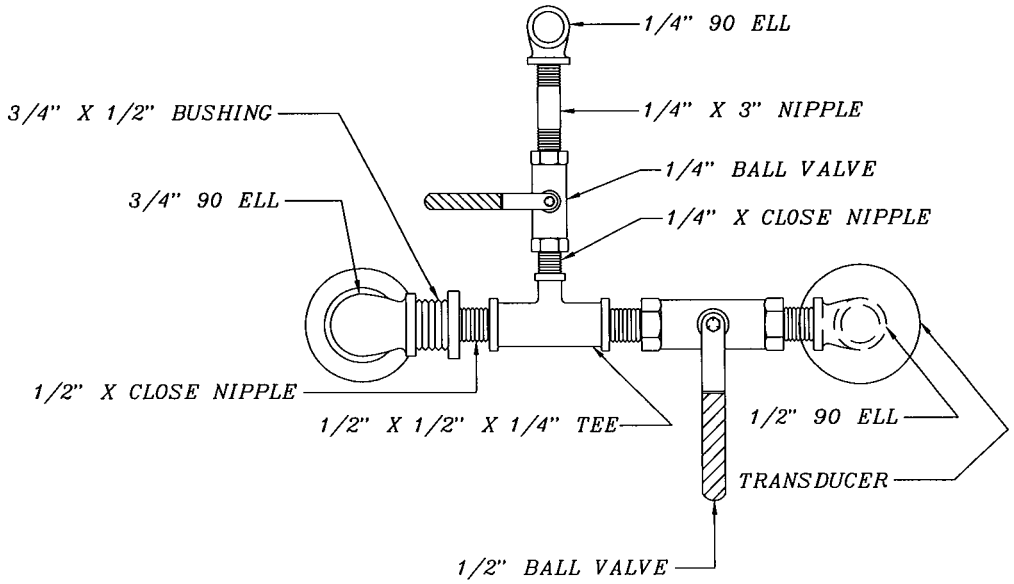
STANDARD TRANSDUCER BOX

DRAWING NO. PSD-925

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PLAN VIEW

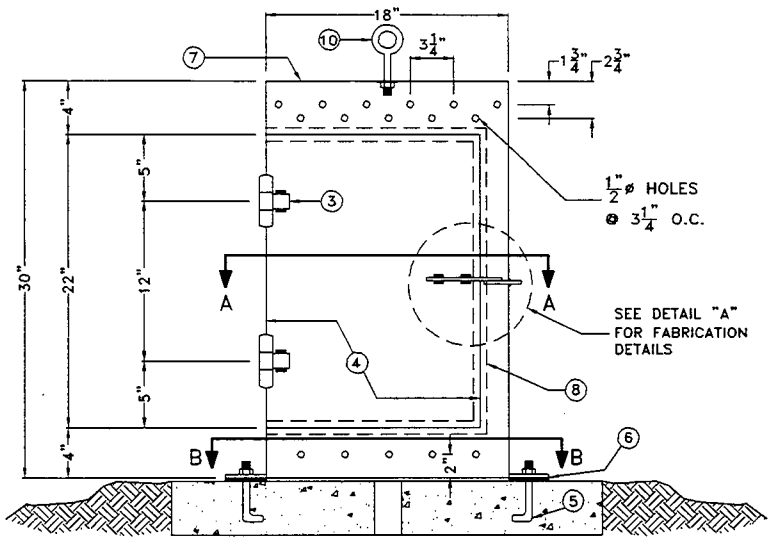


SIDE VIEW

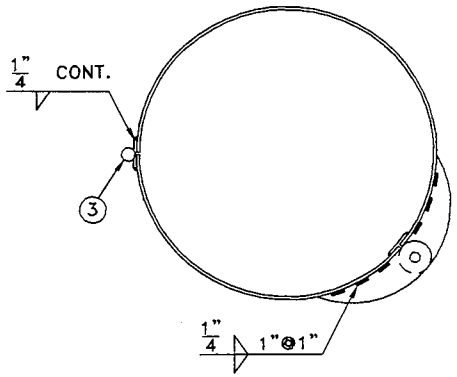
WATER SYSTEM MANAGER

Fred Lantz DATE 8/7/95

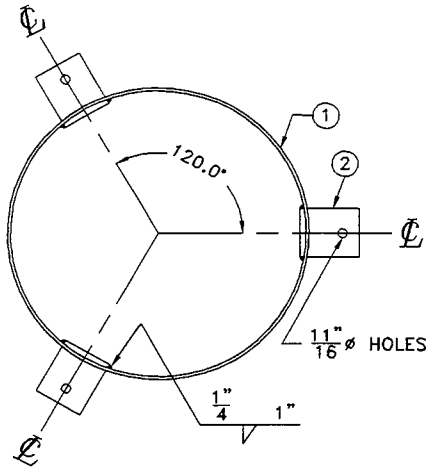
							CITY OF BURBANK PUBLIC SERVICE DEPARTMENT
A	PHOENIX TANK FLANGE		D.W.				TANK/RESERVOIR PRESSURE TRANSDUCER ASSEMBLY–VERSION "B"
NO.	REVISIONS		BY	CHECK	APP'V'D	DATE	DRAWING NO. PSD–930
DRAWN R.S.	SCALE N.T.S.	CHECK P.F.	APP'V'D C.R.B.	DATE 7–31–95			



FRONT VIEW

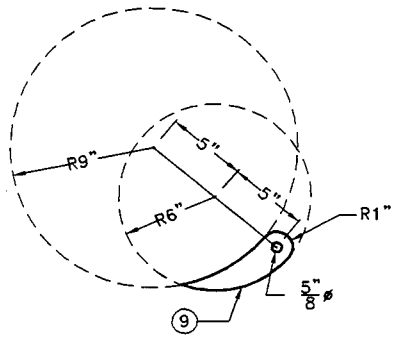


SECTION A–A



SECTION B–B

ITEM	DESCRIPTION
1	18"ø(O.D.) X 30"L X 3/16"T GALV. STEEL PIPE
2	3"LONG–3" X 3" X ¼" STEEL ANGLE
3	4" X 4" STEEL BLANK HINGE
4	22"L X 16"W X 3/16"T STEEL DOOR (WIDTH TO BE MEASURED ALONG THE ARC)
5	⅝"ø X 6"L X STEEL ANCHOR BOLTS WITH NUT & WASHER
6	WASHERS TO PROVIDE AT LEAST ¼" GAP FOR DRAINAGE
7	18"ø – 3/16"T GALV. STEEL TOP, ¼" CONT. WELD
8	½" X 3/16" DOOR STOP, TACK WELDED
9	3/16"T STEEL PLATE, SEE DETAIL "A" FOR FABRICATION DETAILS
10	½" EYE BOLT



DETAIL "A"

Underground Service Alert
Call 1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

ASSISTANT GENERAL MANAGER
Fred Kautz DATE 8/7/96

NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

DRAWN R. SEPANIAN | SCALE N.T.S. | CHECK | APP'V'D CRO | DATE 7-31-96

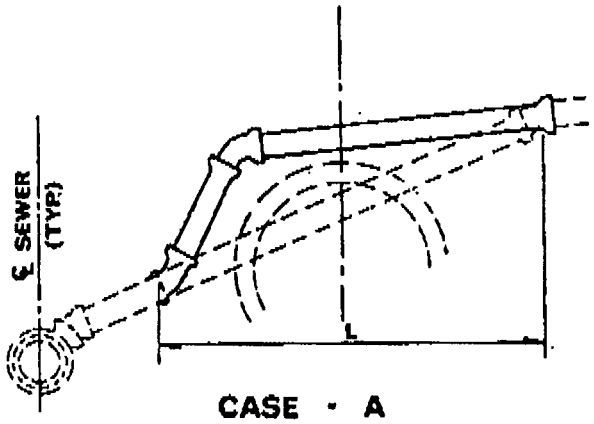
CITY OF BURBANK
PUBLIC SERVICE DEPARTMENT

AIR VALVE COVER

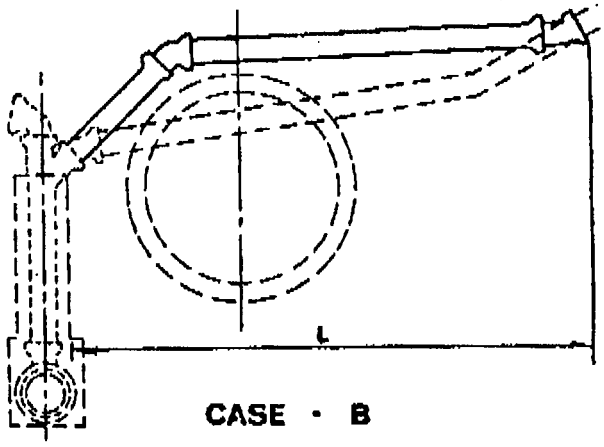
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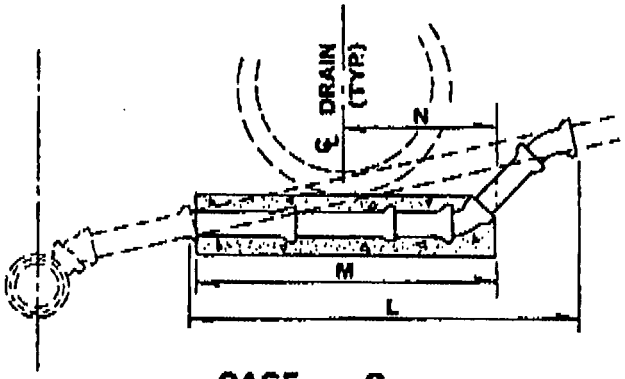
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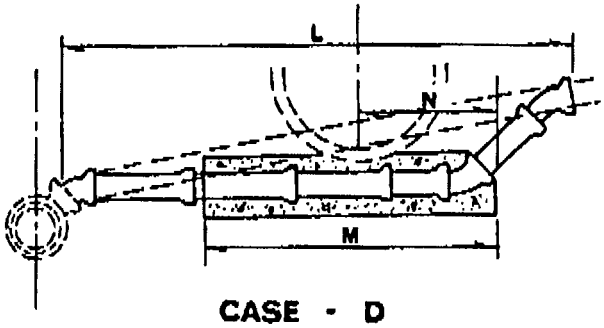
CASE - A



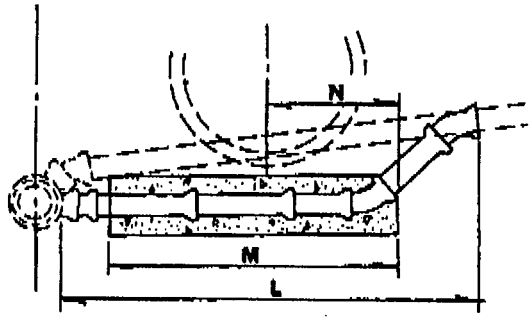
CASE - B



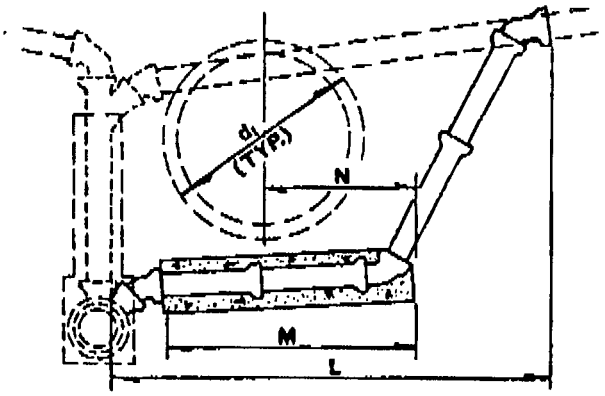
CASE - C



CASE - D

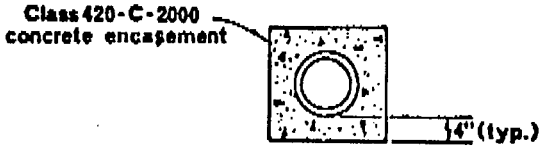


CASE - E



CASE - F

SEE SHEET 2 FOR NOTES AND DESCRIPTION OF CASES



CROSS SECTION OF CONCRETE REINFORCEMENT FOR PIPE.

NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

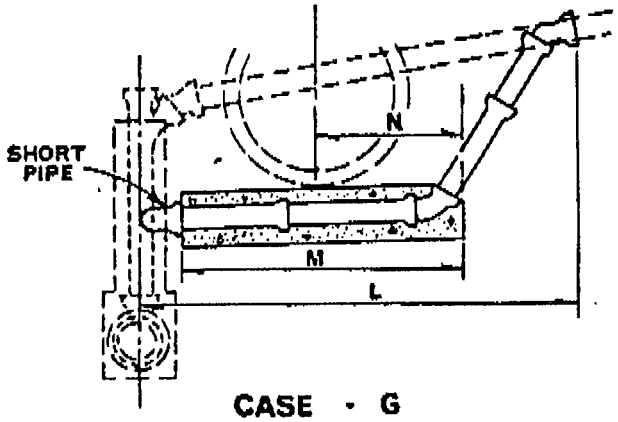
DRAWN R.T | SCALE N.T.S | CHECK J.J.L. | APP'V'D | DATE 12-18-87

CITY OF BURBANK
PUBLIC WORKS DEPARTMENT

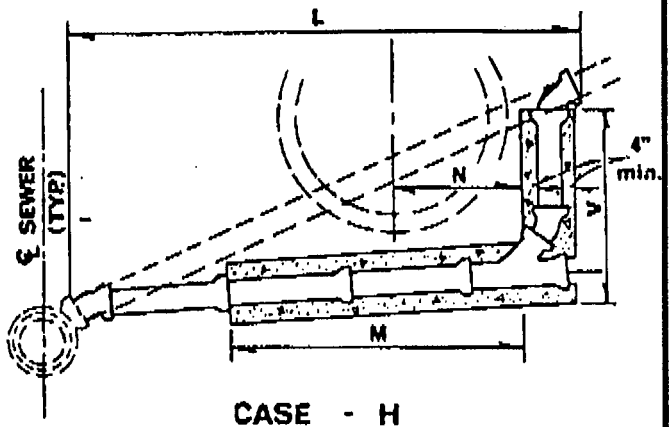
REMODELING DETAIL FOR SEWER LATERALS

DRAWING NO. PW-554 SHT 1 of 2

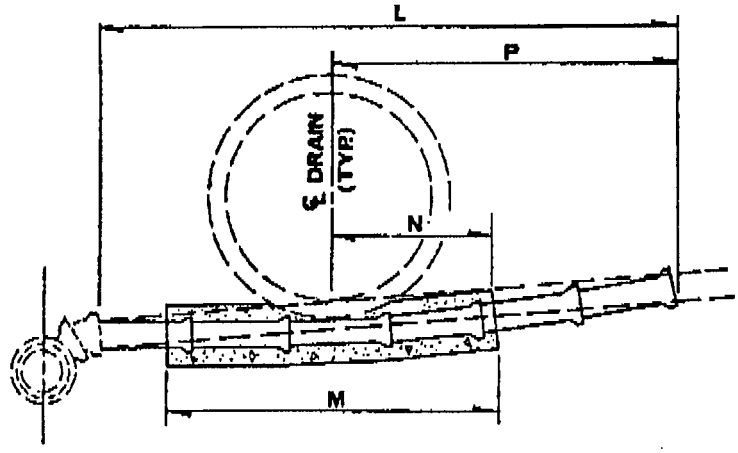
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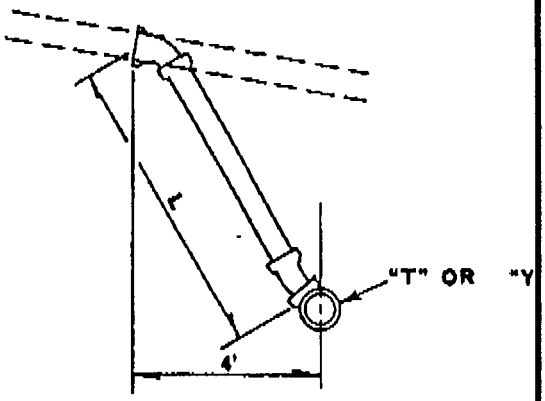
CASE - G



CASE - H



CASE - K



CASE - R

NOTES:

1. These details do not apply to conflicts between sewer laterals and water lines.
2. Existing pipes are indicated by broken lines.
3. Pipes to be constructed are indicated by solid lines.
4. All pipe diameters shall match existing lateral.
5. All bends shall be 1/8 bends unless specified otherwise.
6. Concrete reinforcement, cross section shown on sheet 1, shall be used on all pipes to be constructed under storm drain, top portion within 1" of storm drain to be omitted.
7. Dimensions:
   - L is specified on plan as the average total length.
   - M = (d_i + 24") less enough to avoid a fraction of a foot.
   - N 1/2 M, except where specified otherwise on plan.
   - P (case K) is specified where L does not extend to the bend.
   - V_i (case H) is specified to the nearest foot and in summary, is itemized as Concrete Reinforcement for 6" pipe.
8. New connection to main line shall conform to standards of P.W.D.
9. Joints shall be type D, F, or G per the latest approved edition of Standard Specifications for Public Works Construction.

CASES:

A. Above Drain to House Connection - Specials required: 2 1/8 Bends.
B. Above Drain to Chimney - 2 1/8 Bends.
C. Below Drain to House Connection - 2 1/8 Bends.
D. Below Drain to "Y" - 3 1/8 Bends.
E. Below Drain to Flat Saddle - 3 1/8 Bends, 1 Saddle.
F. Below Drain to Saddle - 3 1/8 Bends, 1 Saddle.
G. Below Drain to Chimney - 2 1/8 Bends.
H. Below Drain to "Y" - 3 1/8 Bends, 1 "Y".
K. Below Drain to House Connection, Slope slightly modified.
R. Connection with New Sewer - 2 1/8 Bends with "Y". - 1 4" 1/8 Bend with "T".

NO.	REVISIONS	BY	CHECK	APP'V'D	DATE

CITY OF BURBANK
PUBLIC WORKS DEPARTMENT

REMODELING DETAIL FOR SEWER LATERALS

DRAWING NO. PW-554 SHT 2 of 2

DRAWN	SCALE	CHECK	APP'V'D	DATE
R.T.	N.T.S	J.J.L.	Lovell	12-18-87