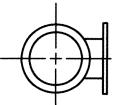


USE 6" FLANGED SADDLED OUTLET FOR INSTALLATION ON 12" OR LARGER PIPE

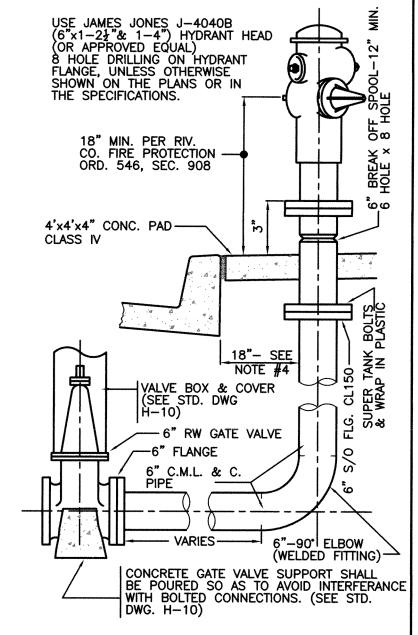


USE C.I. TEE FOR INSTALLATION ON 6" OR 8" PIPELINE

PIPELINE INSTALLATION

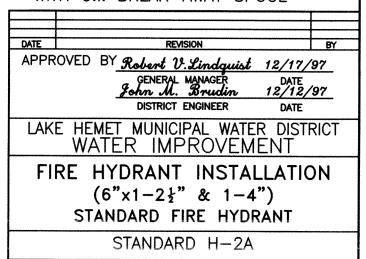
NOTES:

- 1. HYDRANT TO BE PAINTED WITH RUSTOLEUM 7644 SAFETY YELLOW OR APPROVED EQUAL.
- 2. ALL FLANGES SHALL BE FULL WELD (DOUBLE PASS) AND COATED IN THE FIELD AS DIRECTED BY THE ENGINEER PER NOTE #6.
- 3. ALTERNATE MATERIALS MAY BE USED WHEN AUTHORIZED.
- 4. FIRE HYDRANT PLACEMENT:
 - A.) CURB & SIDEWALK SEPARATED: HYDRANT TO BE 18" BEHIND CURB AS SHOWN.
 - B.) CURB & SIDEWALK ADJACENT: HYDRANT TO BE 18" BEHIND SIDEWALK BUT NOT LESS
 THAN 8" WITHIN THE ROAD
 RIGHT-OF-WAY.
 - C.) NO CURBS OR SIDEWALKS PROPOSED: HYDRANT TO BE 18" WITHIN THE ROAD RIGHT-OF-WAY.
- 5. FIRE HYDRANT LOCATION:
 - A.) STREET LOCATIONS:
 - HYDRANT TO BE AT CURB RETURN
 B.) OTHER THAN ST. INTERSECTIONS:
 HYDRANT TO BE ON LOT LINE
 AS SHOWN ON PLANS.
- 6. FIELD COATING SHALL BE EITHER: A.) PROTECTO WRAP #1170 PRIMER AND #200 COAL-TAR-RESIN B.) CEMENT MORTAR.
- 7. DIRECTION OF OUTLETS AT 45° PER RIV. CO. FIRE PROTECTION ORD. 546, SEC. 901-F

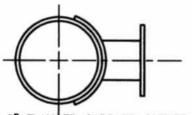


FIRE HYDRANT ASSEMBLY

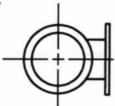
WITH C.I. BREAK-AWAY SPOOL







USE 6" FLANGED SADDLED OUTLET FOR INSTALLATION ON 12" OR LARGER PIPE

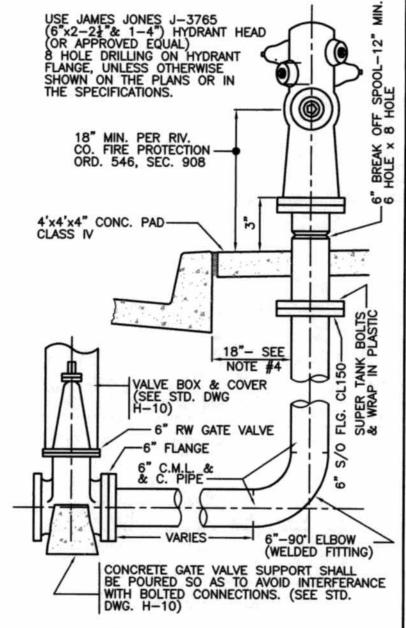


USE C.I. TEE FOR INSTALLATION ON 6" OR 8" PIPELINE

PIPELINE INSTALLATION

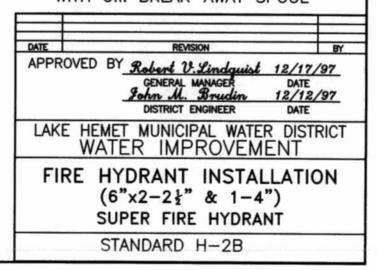
NOTES:

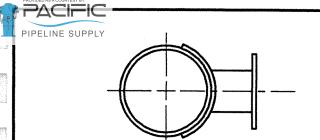
- HYDRANT TO BE PAINTED WITH RUSTOLEUM 7644 YELLOW OR APPROVED EQUAL.
- ALL FLANGES SHALL BE FULL WELD (DOUBLE PASS) AND COATED IN THE FIELD AS DIRECTED BY THE ENGINEER PER NOTE #6.
- ALTERNATE MATERIALS MAY BE USED WHEN AUTHORIZED.
- 4. FIRE HYDRANT PLACEMENT:
 - A.) CURB & SIDEWALK SEPARATED: HYDRANT TO BE 18" BEHIND CURB AS SHOWN.
 - B.) CURB & SIDEWALK ADJACENT: HYDRANT TO BE 18" BEHIND SIDEWALK BUT NOT LESS THAN 8" WITHIN THE ROAD RIGHT-OF-WAY.
 - C.) NO CURBS OR SIDEWALKS PROPOSED: HYDRANT TO BE 18" WITHIN THE ROAD RIGHT-OF-WAY.
- 5. FIRE HYDRANT LOCATION:
 - A.) STREET LOCATIONS:
 - HYDRANT TO BE AT CURB RETURN
 - B.) OTHER THAN ST. INTERSECTIONS: HYDRANT TO BE ON LOT LINE AS SHOWN ON PLANS.
- FIELD COATING SHALL BE EITHER:
 A.) PROTECTO WRAP #1170 PRIMER AND #200 COAL—TAR—RESIN
 B.) CEMENT MORTAR.
- LARGE OUTLET TO BE POINTED TOWARDS THE STREET PER RIV. CO. FIRE PROTECTION ORD. 546 SEC. 901-H.



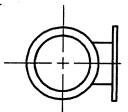
FIRE HYDRANT ASSEMBLY

WITH C.I. BREAK-AWAY SPOOL





USE 6" FLANGED SADDLED OUTLET FOR INSTALLATION ON 12" OR LARGER PIPE



USE C.I. TEE FOR INSTALLATION ON 6" OR 8" PIPELINE

PIPELINE INSTALLATION

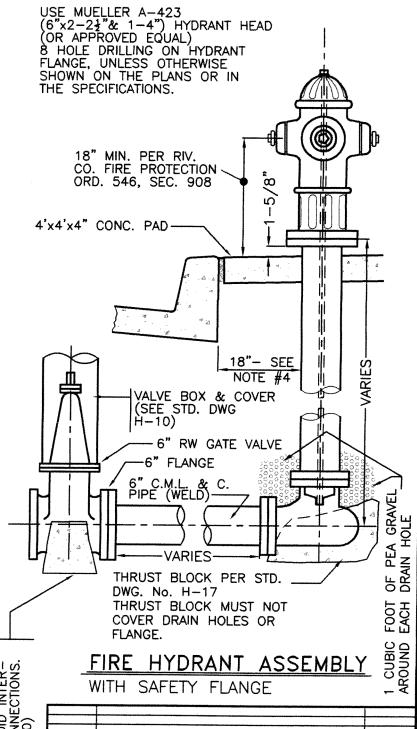
NOTES:

- HYDRANT TO BE PAINTED WITH RUSTOLEUM 7644 YELLOW OR APPROVED EQUAL.
- ALL FLANGES SHALL BE FULL WELD (DOUBLE PASS) AND COATED IN THE FIELD AS DIRECTED BY THE ENGINEER PER NOTE #6.
- 3. ALTERNATE MATERIALS MAY BE USED WHEN AUTHORIZED.
- 4. FIRE HYDRANT PLACEMENT:
 - A.) CURB & SIDEWALK SEPARATED: HYDRANT TO BE 18" BEHIND CURB AS SHOWN.
 - B.) CURB & SIDEWALK ADJACENT: HYDRANT TO BE 18" BEHIND SIDEWALK BUT NOT LESS THAN 8" WITHIN THE ROAD RIGHT-OF-WAY.
 - C.) NO CURBS OR SIDEWALKS PROPOSED: HYDRANT TO BE 18" WITHIN THE ROAD RIGHT— OF—WAY.
- 5. FIRE HYDRANT LOCATION:
 - A.) STREET LOCATIONS:
 - HYDRANT TO BE AT CURB RETURN

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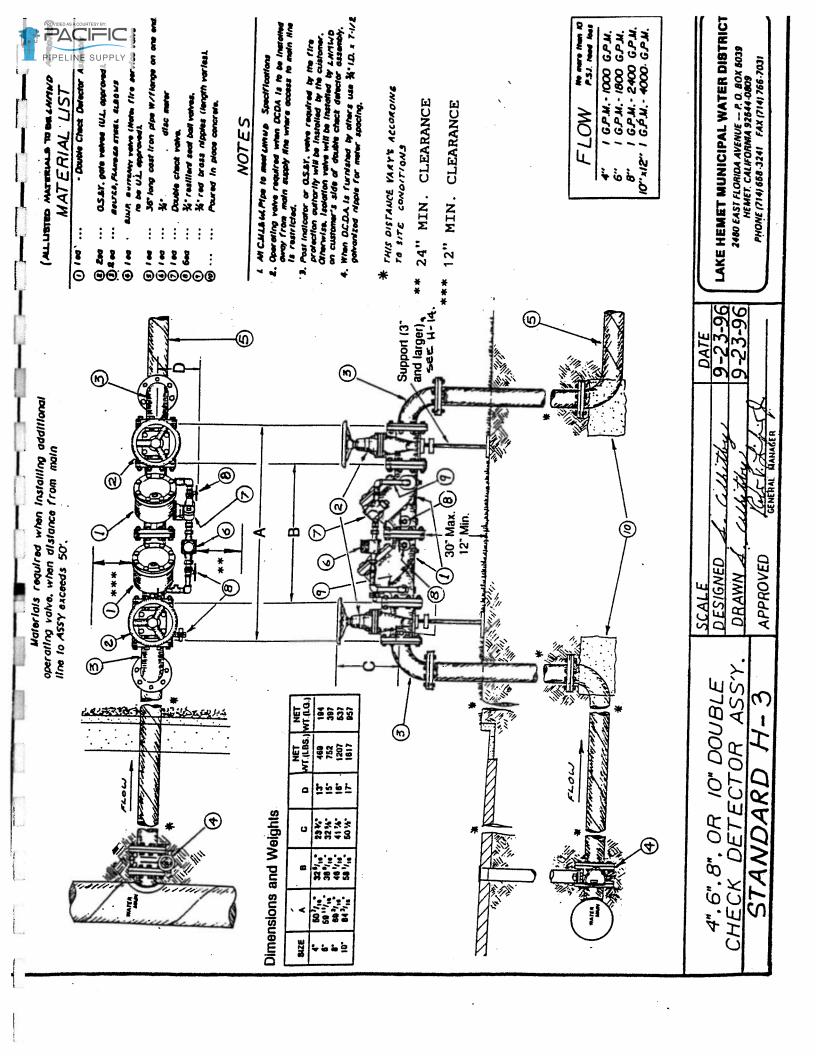
- B.) OTHER THAN ST. INTERSECTIONS: HYDRANT TO BE ON LOT LINE AS SHOWN ON PLANS.
- 6. FIELD COATING SHALL BE EITHER: A.) PROTECTO WRAP #1170 PRIMER AND #200 COAL-TAR-RESIN
 - B.) CEMENT MORTAR.
- LARGE OUTLET TO BE POINTED TOWARDS THE STREET PER RIV. CO. FIRE PROTECTION ORD. 546 SEC. 901—H.



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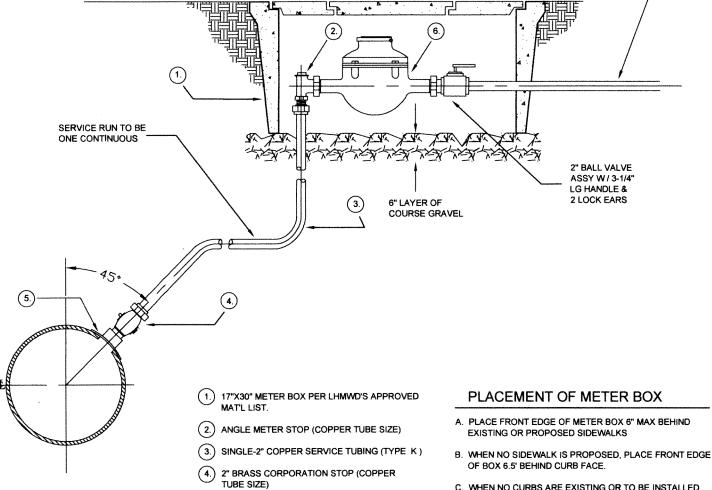
WATER IMPROVEMENT

FIRE HYDRANT INSTALLATION
(6"x2-2\frac{1}{2}" & 1-4")
SUPER FIRE HYDRANT (DRY BARREL)





BACKFLOW DEVICE MAY BE REQUIRED W / COMERCIAL BLDG. OR IF SECOND SOURCE OF WATER IS ON-SITE OR METER IS REMOTE.



(5.) 2 1/2" WELDED SADDLE WITH 2 1/2"X 2" DIELECTRIC

BUSHING FOR STEEL PIPE OR SMITH-BLAIR # 315 SINGLE STRAP SERVICE OR APPROVED

EQUAL FOR PVC OR D.I.P. (6.) 2" MULTI-JET METER PER LHMWD'S

APPROVED MAT'L LIST.

GENERAL NOTES

- 1. ALL FITTINGS BETWEEN AND INCLUDING CORPORATION STOP AND BALL VALVE SHALL:
 - A. BE MADE OF BRASS OR BRONZE:
 - B. BE OF THE BANDED PATTERN:
 - C. BE DESIGNED FOR A MIN OF 175 PSI (COLD WATER) WORKING PRESSURE.
- 2. PRESSURE TEST PRIOR TO WRAPPING OR BACKFILLING.
- 3. CORPORATION STOP & FITTINGS AT PIPELINE SHALL BE PRIMED AND WRAPPED WITH APPROVED COAL TAR RESIN TAPE.
- 4. ALL SERVICE PIPE & TUBING SHALL BE LAID ON A CONSTANT SLOPE UP FROM WATER MAIN TO METER. NO DIPS OR POCKETS WILL BE PERMITTED. PROVIDE 36" MIN. COVER AT GAS MAIN CROSSING.

- C. WHEN NO CURBS ARE EXISTING OR TO BE INSTALLED UPON COMPLETION OF THE WATER SYSTEM, PLACE BACK EDGE OF METER BOX ON PROPERTY LINE.

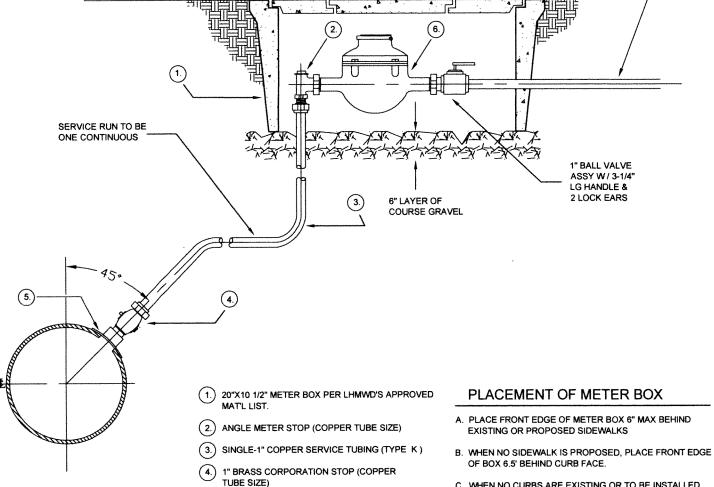
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	CHIE	F ENGINEER DATE:	
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LAKE HEMET MUNICIPAL WATER DIST.			

WATER IMPROVEMENT

2" SERVICE CONNECTION



BACKFLOW DEVICE MAY BE REQUIRED W/COMERCIAL BLDG. OR IF SECOND SOURCE OF WATER IS ON-SITE OR METER IS REMOTE.



(5.) 1 1/4" WELDED SADDLE WITH 1 1/4"X 1"DIELECTRIC

BUSHING FOR STEEL PIPE OR SMITH-BLAIR # 315 SINGLE STRAP SERVICE OR APPROVED

(6.) 5/8" OR 3/4" MULTI-JET METER PER LHMWD'S

EQUAL FOR PVC OR D.I.P.

APPROVED MAT'L LIST.

GENERAL NOTES

- ALL FITTINGS BETWEEN AND INCLUDING CORPORATION STOP AND BALL VALVE SHALL:
 - A. BE MADE OF BRASS OR BRONZE:
 - B. BE OF THE BANDED PATTERN:
 - C. BE DESIGNED FOR A MIN OF 175 PSI (COLD WATER) WORKING PRESSURE.
- 2. PRESSURE TEST PRIOR TO WRAPPING OR BACKFILLING.
- CORPORATION STOP & FITTINGS AT PIPELINE SHALL BE PRIMED AND WRAPPED WITH APPROVED COAL TAR RESIN TAPE.
- 4. ALL SERVICE PIPE & TUBING SHALL BE LAID ON A CONSTANT SLOPE UP FROM WATER MAIN TO METER. NO DIPS OR POCKETS WILL BE PERMITTED. PROVIDE 36" MIN. COVER AT GAS MAIN CROSSING.

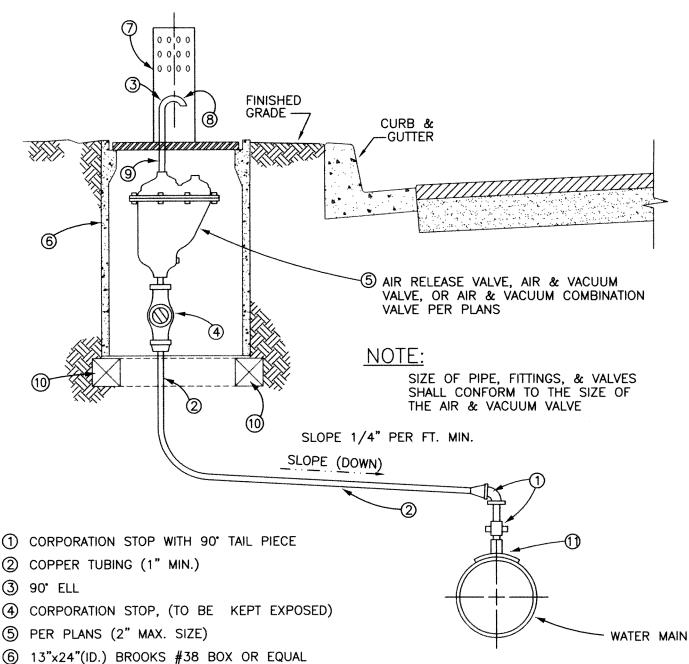
- C. WHEN NO CURBS ARE EXISTING OR TO BE INSTALLED UPON COMPLETION OF THE WATER SYSTEM, PLACE BACK EDGE OF METER BOX ON PROPERTY LINE.

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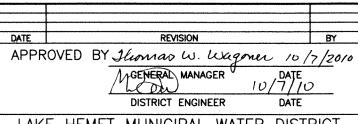
WATER IMPROVEMENT

1" SERVICE CONNECTION





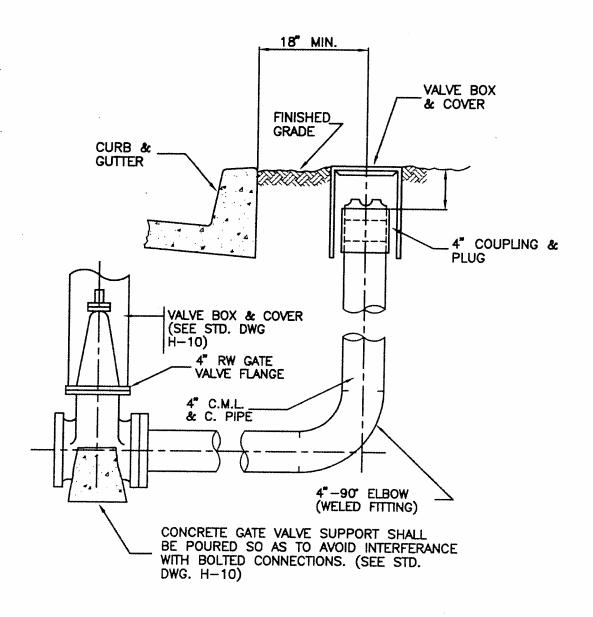
- 30"x8"x0.188" WALL PERFORATED STEEL PIPE WELDED TO A 121"x231" DIAMOND PLATE STEEL LID
- (8) 1" 90" STREET ELL
- (9) 1"x12" PLASTIC NIPPLE
- (10) 4"x4" REDWOOD SUPPORTS FOR FOUR WALLS OF BOX
- 1 1 WELDED SADDLE WITH 1 1 X 1" DIELECTRIC BUSHING FOR STEEL PIPE OR SMITH-BLAIR #315 SINGLE STRAP SERVICE OR APPROVED EQUAL FOR PVC OR D.I.P.



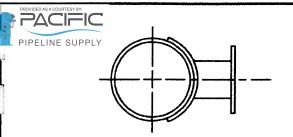
LAKE HEMET MUNICIPAL WATER DISTRICT WATER IMPROVEMENT

> AIR & VACUUM VALVE ASSEMBLY

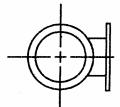




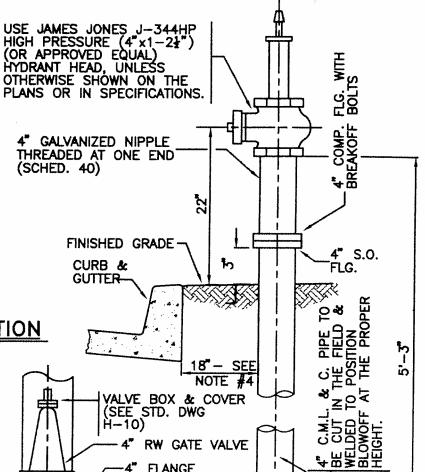
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LAKI	E HEMET MUNICIPAL WATER DISTR	RICT
	WATER IMPROVEMENT	
	4" FLUSHOUT ASSEMBLY	
	. LEGGROOT ASSEMBLY	
	STANDARD H-7	



USE 4" FLANGED SADDLED OUTLET FOR INSTALLATION ON 8" OR LARGER PIPE



USE C.I. TEE FOR INSTALLATION ON 4" OR 6" PIPELINE



STEEL PIPELINE INSTALLATION

NOTES:

- 1. BLOW OFF TO BE PAINTED WITH RUSTOLEUM 7644 SAFETY YELLOW OR APPROVED EQUAL. HYDRANT HEAD ONLY TO BE PAINTED WITH RUSTOLEUM 7665 FIRE HYDRANT
- 2. ALL FLANGES SHALL BE FULL WELD (DOUBLE PASS) AND COATED IN THE FIELD AS DIRECTED BY THE ENGINEER PER NOTE #6.
- 3. ALTERNATE MATERIALS MAY BE USED WHEN AUTHORIZED.
- 4. BLOW OFF PLACEMENT:
 - A.) CURB & SIDEWALK SEPARATED: BLOW OFF TO BE 18" BEHIND CURB AS SHOWN.
 - B.) CURB & SIDEWALK ADJACENT: BLOW OFF TO BE 18" BEHIND SIDEWALK BUT NOT LESS THAN 8" WITHIN THE ROAD RIGHT-OF-WAY.
 - C.) NO CURBS OR SIDEWALKS PROPOSED: BLOW OFF TO BE 18" WITHIN THE ROAD RIGHT-OF-WAY.
- 5. BLOW OFF LOCATION:
 - A.) STREET LOCATIONS:
 - BLOW OFF TO BE AT CURB RETURN
 - B.) OTHER THAN ST. INTERSECTIONS: BLOW OFF TO BE ON LOT LINE AS SHOWN ON PLANS.
- 6. FIELD COATING SHALL BE EITHER: A.) PROTECTO WRAP #1170 PRIMER AND #200 COAL-TAR-RESIN
 - B.) CEMENT MORTAR.

(WELDED FITTING) CONCRETE GATE VALVE SUPPORT SHALL BE POURED SO AS TO AVOID INTERFERANCE WITH BOLTED CONNECTIONS. (SEE STD. DWG. H-10)

-90° ELBOW

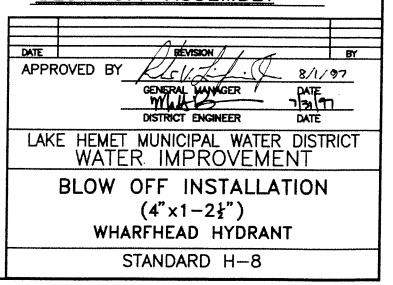
RW GATE VALVE

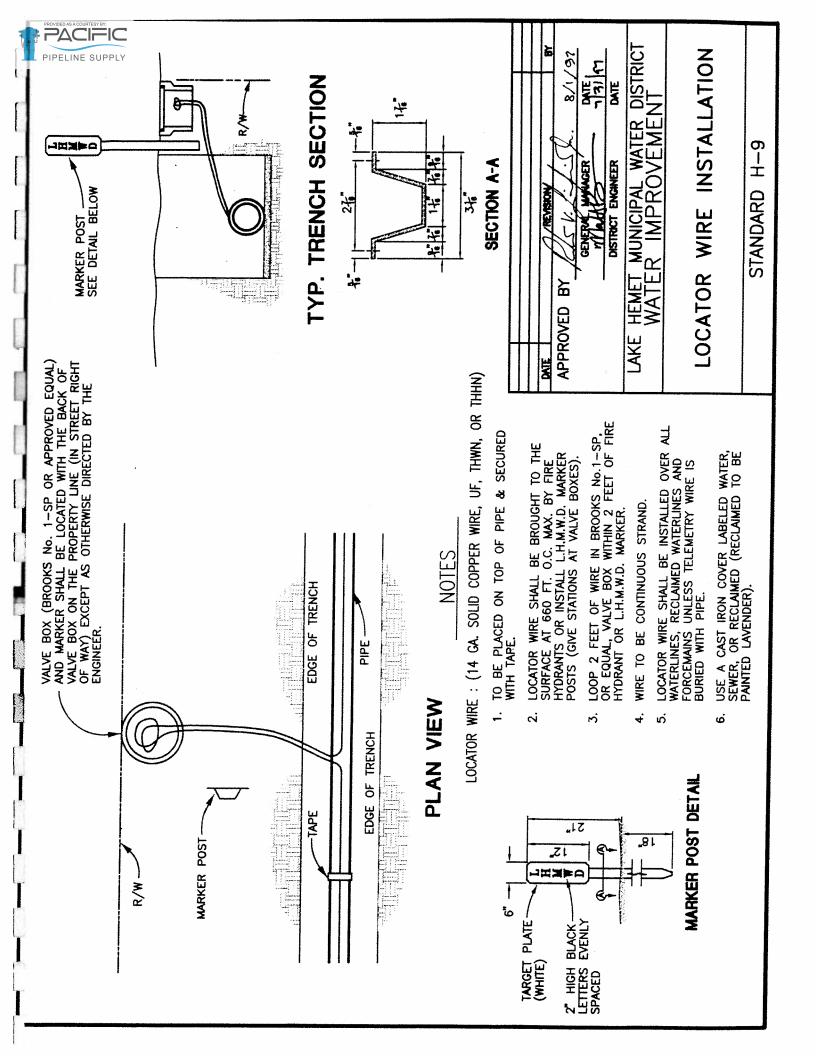
FLANGE

VARIES

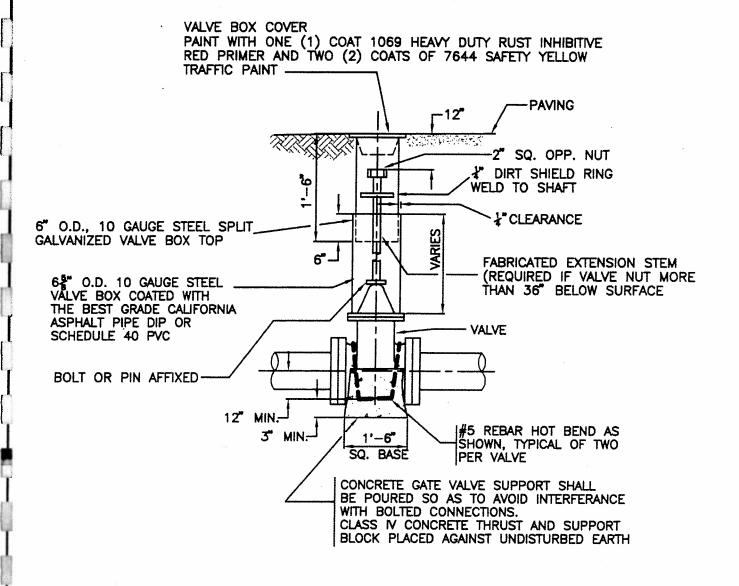
· 4"

BLOW OFF ASSEMBLY



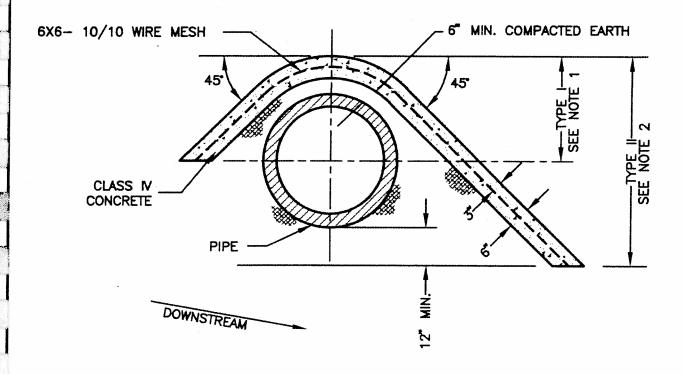






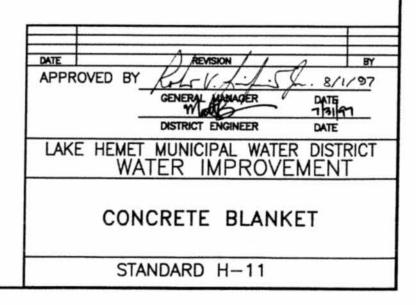
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	GENERAL WARAGER PATE	
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LAKI	E HEMET MUNICIPAL WATER DISTR WATER IMPROVEMENT	RICT
	VALVE BOX & COVER	
	STANDARD H-10	

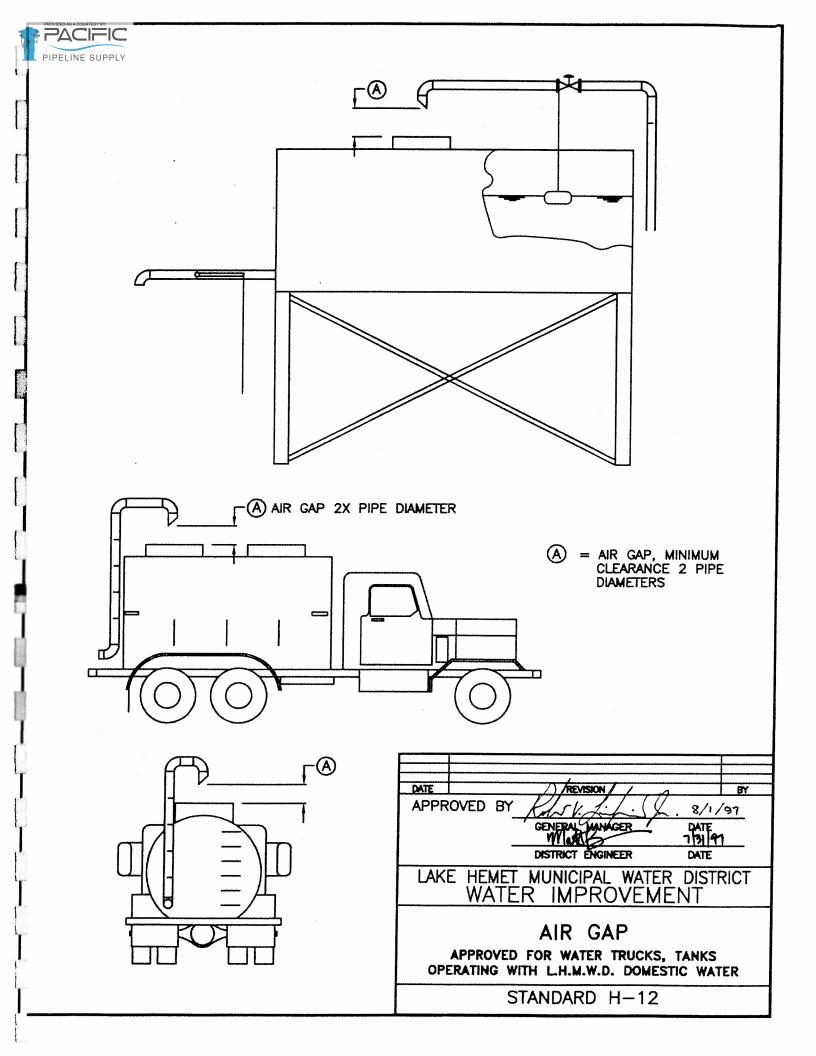




NOTES:

- 1. THE DOWNSTREAM TOE OF TYPE I CONCRETE BLANKET ENDS AT THE CENTERLINE OF PIPE AS SHOWN ABOVE.
- 2. THE DOWNSTREAM TOE OF TYPE II CONCRETE BLANKET ENDS 12" BELOW THE BOTTOM OF PIPE AS SHOWN ABOVE.

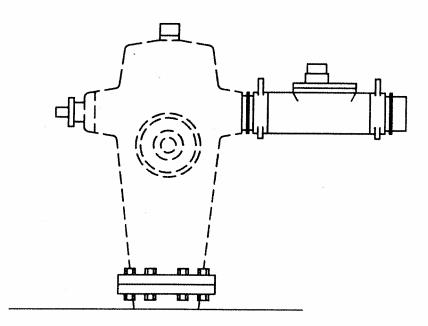






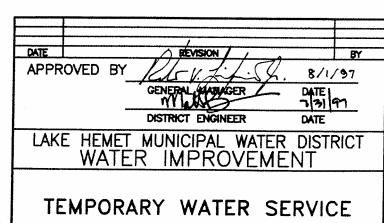
CAUTION

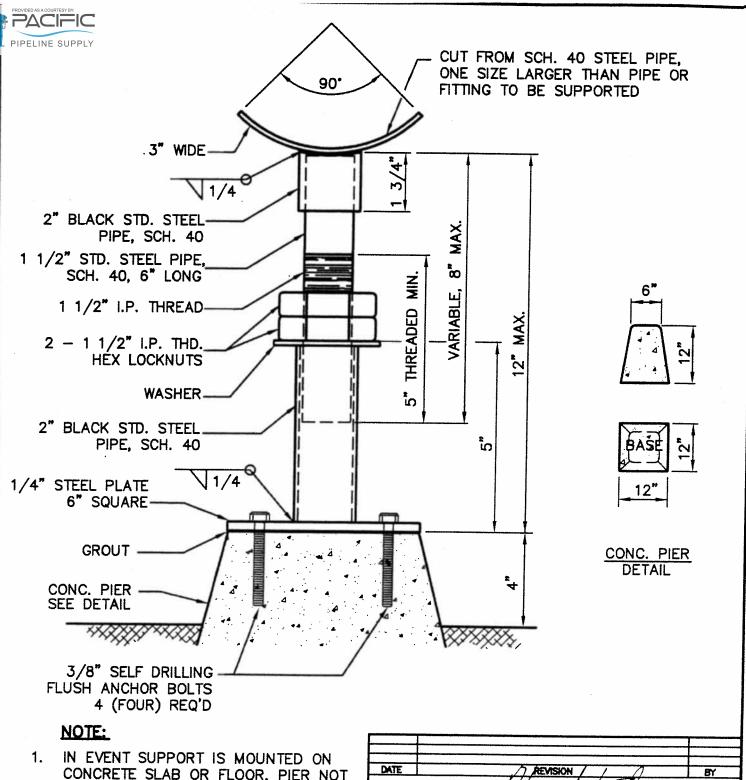
HYDRANTS ARE TO BE TURNED OFF AND ON <u>SLOWLY</u> TO AVOID WATER HAMMER DAMAGE



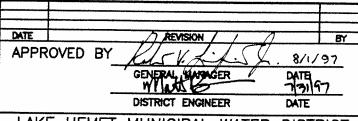
NOTES:

- 1. OPENING AND CLOSING OF HYDRANT IS PERMITTED ONLY WITH HYDRANT WRENCH.
- 2. SERVICE MAY BE MOVED FROM ONE LOCATION TO ANOTHER ONLY WITH THE APPROVAL OF THE WATER DISTRICT.
- 3. BACKFLOW DEVICES MAY BE REQUIRED FOR CERTAIN USES.
- 4. SERVICE CONNECTIONS MAY BE TERMINATED AT ANY TIME AT THE DISCRETION OF THE WATER DISTRICT.
- 5. CHARGES FOR LOSS OR DAMAGE TO ANY SERVICE MATERIAL WILL BE BASED UPON CURRENT PRICES.





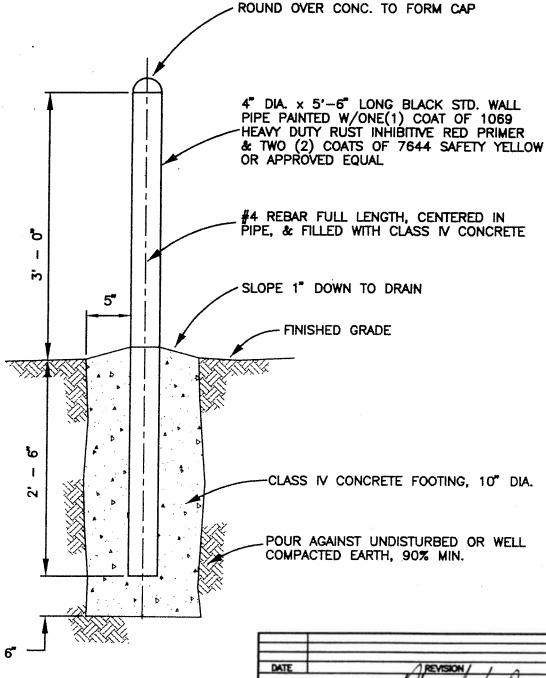
- CONCRETE SLAB OR FLOOR, PIER NOT REQUIRED.
- ALL EXPOSED METAL SURFACES SHALL BE PROTECTED IN ACCORDANCE WITH THE SPECIFICATIONS, EXCEPT THE THREADS.
- DIMENSIONS OF CONCRETE PIER MAY BE INCREASED DEPENDING ON FIELD CONDITIONS.



LAKE HEMET MUNICIPAL WATER DISTRICT WATER IMPROVEMENT

ADJUSTABLE PIPE SUPPORT





NOTE:

LOCATION SHALL BE AS SHOWN ON PLAN VIEW, OR AS DIRECTED IN THE FIELD BY THE INSPECTOR OR THE ENGINEER APPROVED BY

GENERAL HANGER

DATE

TO STRICT ENGINEER

DATE

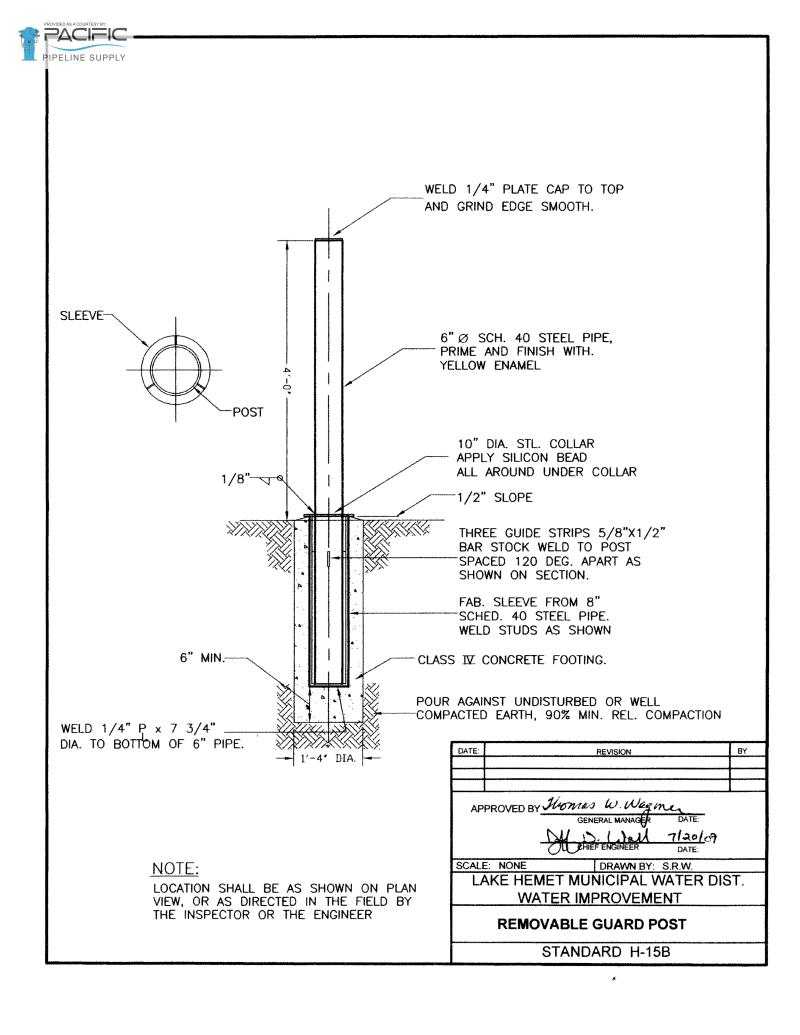
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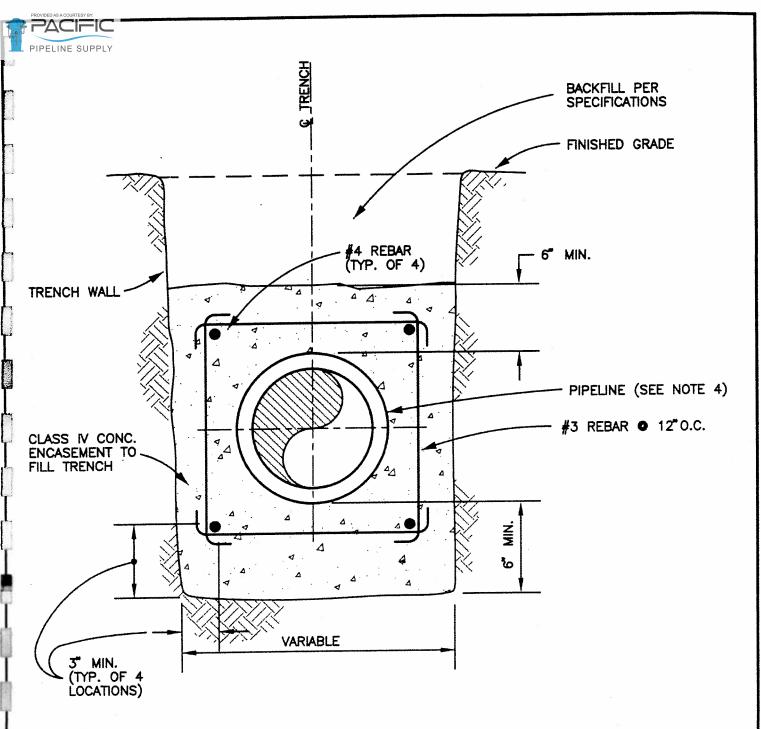
TO STRICT ENGINEER

DATE

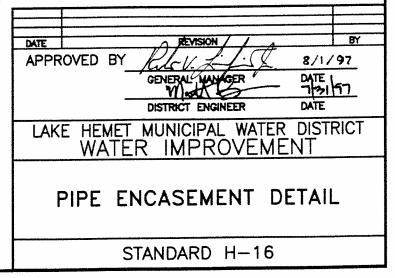
LAKE HEMET MUNICIPAL WATER DISTRICT WATER IMPROVEMENT

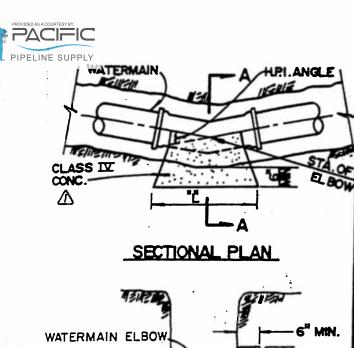
GUARD POST INSTALLATION DETAIL





- 1. PIPE ENCASEMENT TO BE INSTALLED WHERE INDICATED ON THE PLANS AND/OR AS DIRECTED IN THE FIELD BY THE DISTRICT.
- 2. CONTRACTOR SHALL TAKE DUE PRECAUTION AGAINST PIPE FLOTATION DURING PLACING OF THE CONCRETE.
- 3. IF ANY PIPE APPURTENANCE, SUCH AS OUTLETS, MANWAYS, ETC., ARE REQUIRED IN THE AREA WHERE PIPE ENCASEMENT IS REQUIRED, THE ENCASEMENT SHALL BE FORMED SO THAT RESONABLE ACCESS IS AVAILABLE TO THE PIPE APPURTENANCES.
- 4. WRAP PIPE WITH THREE (3) LAYERS OF 2016. FELT PAPER.

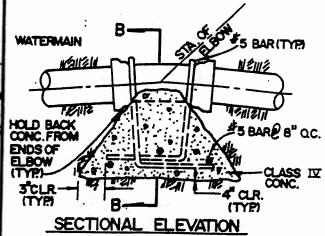


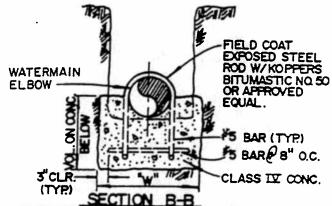




TO BEAR AGAINST

PIPE DIA	"H;"	"н."	"L"	HPI. ANGLE
4"	VZ'OD	VZOD.	4-0"	5° TO 41°
4"	4"	4	4-0	42° TO 83°
4"	10*	5*	4-0"	84°TO 104°
6	VZ 0.D.	1/2 OD.	4'-0"	5° TO 27°
6"	6"	6.	4-0	28° TO 51°
6"	1-6	9,	4-0"	52°TO 90°
8"	1/2 OD.	V2 0D.	4'-0"	5° TO 20°
8"	8"	8"	4'-0"	21° TO 36°
8"	1-8	10"	4 0"	37°TO 54°
8"	2-2	13"	4'-0"	55° TO 78°
8"	2-8	16	4'-0"	79° TO 111°
10	V20.D	1/2 OD	4'-0"	5° TO 16°
10,1	10	10	4'-0"	17° TO 28°
10"	1-10	11	4'-0"	29°TO 39°
10	2-4	14"	4-0"	40°TO 53°
10*	2-10	17	4-01	54°TO 70°
10.	210	17*	6'-0"	71° TO 120°
12	/2 OD	/2'OD.	4'-0"	5° TO 13°
12	12	12	4'-0"	4 10 22
12"	2-0	12	4'-0"	23°TO 30°
12"	2-6	151	4'-0"	31°TO 40°
12"	310"	18"	4-0	4PTO 52°
2"	3-0"	87	6'-0"	53°TO 83°





VERTICAL ANCHOR BLOCK

PIPE DIA	"w"	VOLUME OF	GRADE %
4.	T-6.	4.3	5 TO 15
4'	1'-6"	6.5	16 10 25
4"	1'-6	8.6	26 TO 35
4"	1-6	10.8	36 TO 45
4"	1'-6"	13.0	46 TO 55
4"	-6"	15.1	56 TO 65
6"	2'-0"	7.6	5 TO 10
6"	2'-0"	11.4	11 TO 25
6"	2'-0"	15.2	26 TO 40
6"	2'-0"	22.8	41 TO 55
8"	2'-0"	10.3	5 TO 10
8"	5-0-	15.5	II TO 20
8"	2'-0"	20.6	2 10 30
8"	200	31.0	31 10 40
8"	2-0"	4 - 3	41 10 55
10"	2-6"	20.9	5 TO 15
10"	2-6"	27.8	16 10 25
10"	2'-6"	41.7	26 TO 35
10"	2-6"	55.6	36 TO 35
10"	2-6"	69.5	46 TO 55
12"	2-6"	27.6	5 TO 15
2"	2'-6"	36.8	16 10 25
2"	2'-6"	55.3	26 TO 35
2"	2'-6"	73.7	36 TO 45
2"	2-6	92.	46 TO 55

LAKE HEMET MUNICIPAL WATER DISTRICT WATER IMPROVEMENT

REVISION

APPROVED BY:

STANDARD DRAWING

STANDARD DRAWING

STANDARD

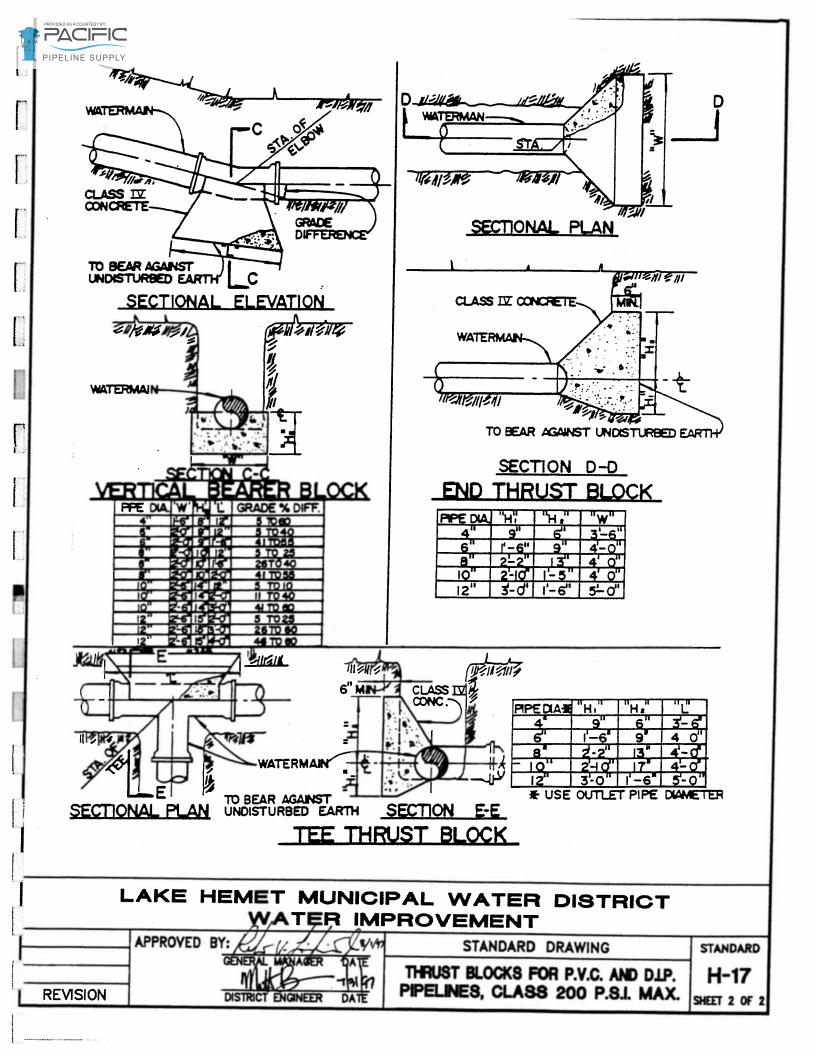
STANDARD

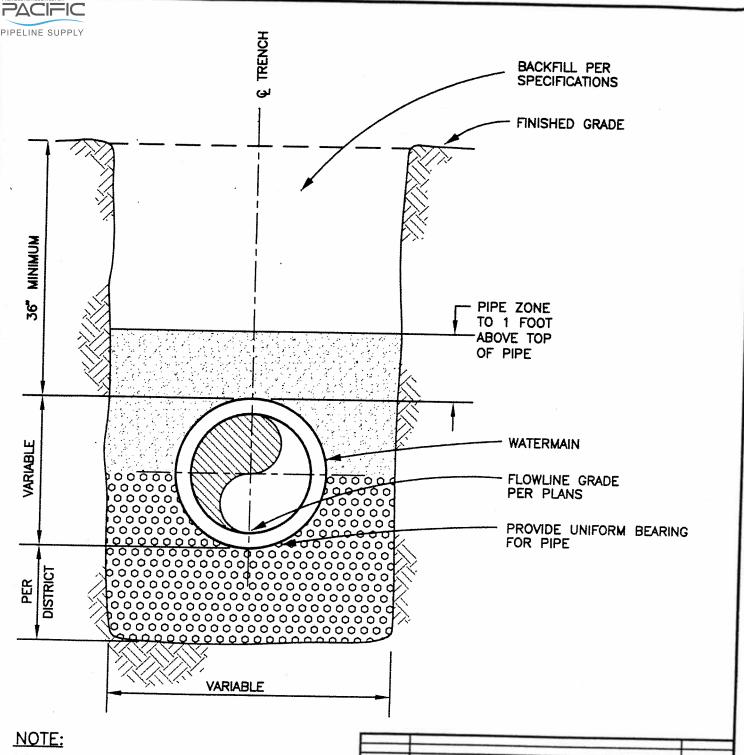
STANDARD

H-17

PIPELINES, CLASS 200 P.S.I. MAX.

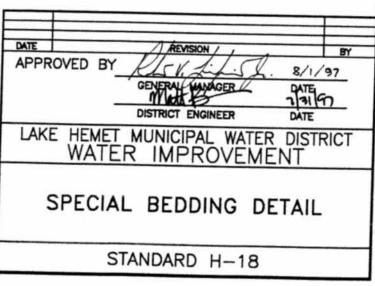
SHEET 1 OF 2

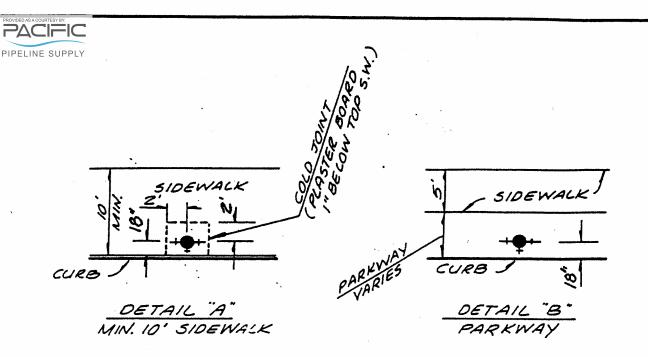


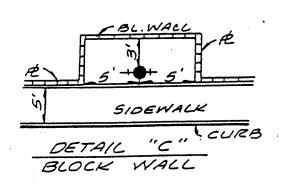


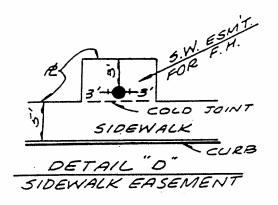
WHENEVER TRENCH BOTTOM IS INSUFFICIENTLY STABLE, IN THE OPINION OF THE DISTRICT, TO PROVIDE A SUITABLE FOUNDATION FOR THE PIPE, OVEREXCAVATE BELOW DESIGN GRADE AS ORDERED, AND REFILL WITH CAREFULLY PLACED AND SUFFICIENTLY COMPACTED CRUSHED ROCK; OR AS PER SPECIFICATION AND MANUFACTURE'S SPECIFICATION.

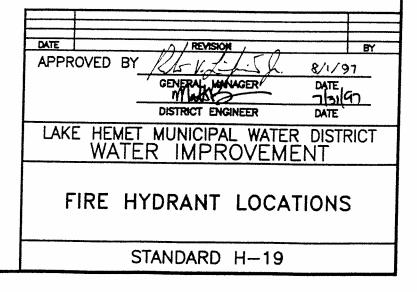
FIRST TWO FEET BELOW THE PIPE IS THE CONTRACTOR'S RESPONSIBILITY.



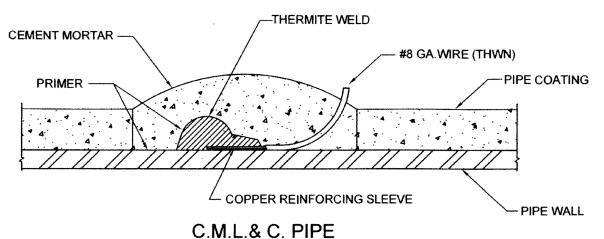




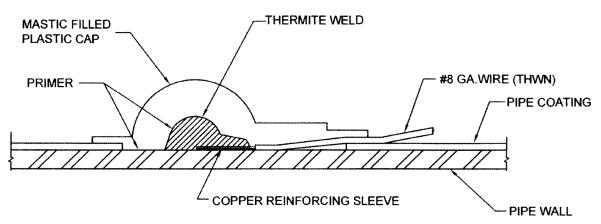








C.IVI.L.& C. FIFE



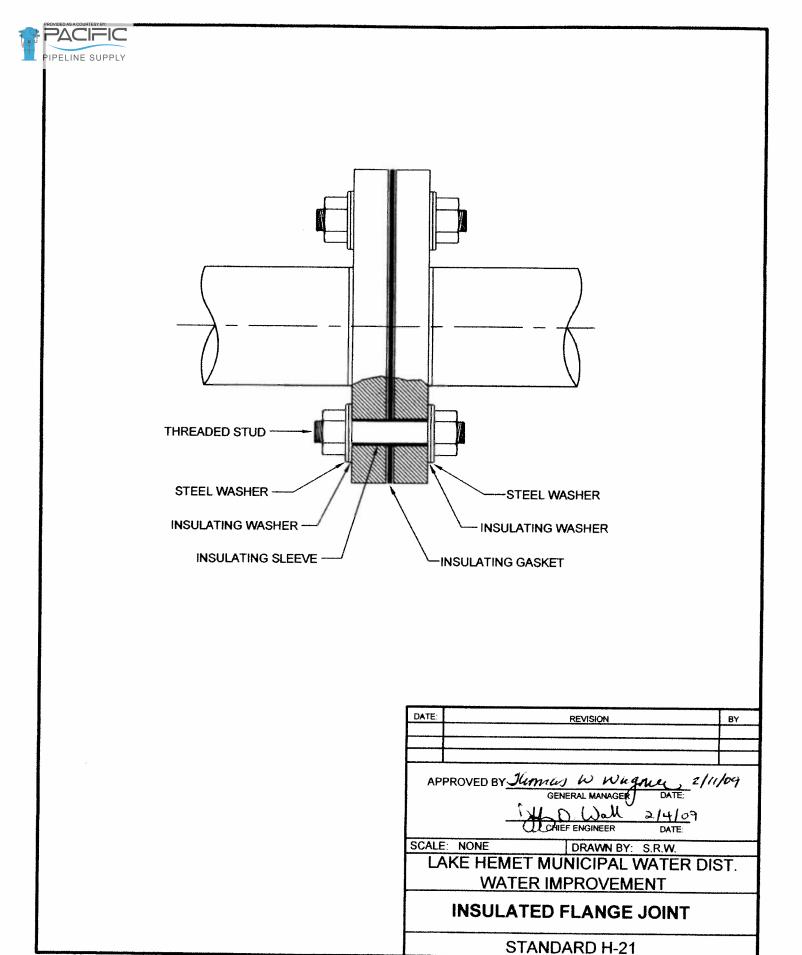
DIELECTRIC COATED PIPE

NOTES:

- THERMITE WELD ALLOY SHALL BE SUTABLE FOR TYPE OF PIPE METAL (I.E. STEEL OR IRON.)
- 2. CLEAN PIPE TO BRIGHT METAL WITH FILE OR GRINDER
- WELD WRE TO PIPE FOLLOWING WELD MANUFACTURER'S DIRECTIONS.
- 4. STRIKE SIDE OF WELD SOLIDLY WITH A 16OZ. OR LARGER HAMMER TO TEST WELD.
- 5. REMOVE FLUX AND COAT WITH PRIMER.
- RECOAT WITH MORTAR FOR CML&C PIPE AT JOINT ENCASED IN FIELD APPLIED MORTAR.
- 7. INSTALL MASTIC-FILLED PLASTIC CAP FOR DIELECTRIC COATED PIPE.
- FOR WRES ABOVE GROUND, TAG INDIVIDUAL WIRES FOR IDENTIFICATION PURPOSES, FOR BURNED WIRES, PLACE MARKER TAPE.

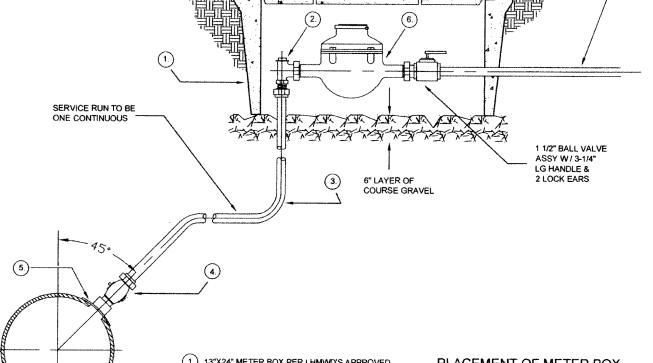
DATE:	REVISION	BY		

AP	APPROVED BY Sumus W. Wagner 1-21-49 GENERAL MANAGER DATE:			
٠	D. Wall 1/26/09 DESTRICT ENGINEER DATE:			
	E: NONE DRAWN BY: S.R.W.			
L	AKE HEMET MUNICIPAL WATER DIS	ST.		
	WATER IMPROVEMENT			
	THERMITE WELD			
	DETAILS			
	STANDARD H-20			





BACKFLOW DEVICE MAY BE REQUIRED W/COMERCIAL BLDG. OR IF SECOND SOURCE OF WATER IS ON-SITE OR METER IS REMOTE.



- (1.) 13"X24" METER BOX PER LHMWD'S APPROVED
- (2) ANGLE METER STOP (COPPER TUBE SIZE)
- (3.) SINGLE-1 1/2" COPPER SERVICE TUBING (TYPE K)
- (4.) 1 1/2" BRASS CORPORATION STOP (COPPER TUBE SIZE)
- (5.) 2 1/2" WELDED SADDLE WITH 2 1/2"X 2"DIELECTRIC BUSHING FOR STEEL PIPE OR SMITH-BLAIR # 313 DOUBLE STRAP SERVICE OR APPROVED EQUAL FOR PLASTIC OR D.I.P.
- (6.) 1 1/2" MULTI-JET METER PER LHMWD'S APPROVED MAT'L LIST.

PLACEMENT OF METER BOX

- A. PLACE FRONT EDGE OF METER BOX 6" MAX BEHIND EXISTING OR PROPOSED SIDEWALKS
- B. WHEN NO SIDEWALK IS PROPOSED, PLACE FRONT EDGE OF BOX 6.5' BEHIND CURB FACE.
- C. WHEN NO CURBS ARE EXISTING OR TO BE INSTALLED UPON COMPLETION OF THE WATER SYSTEM, PLACE BACK EDGE OF METER BOX ON PROPERTY LINE.

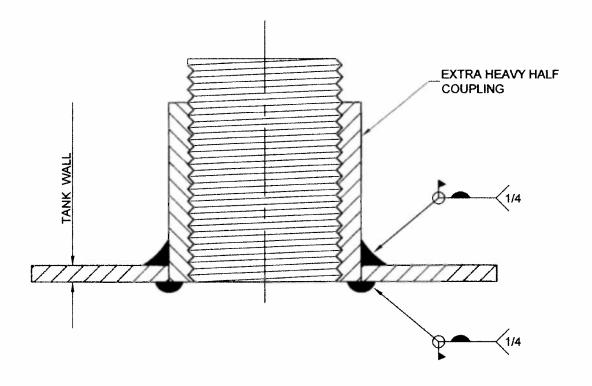
GENERAL NOTES

- ALL FITTINGS BETWEEN AND INCLUDING CORPORATION STOP AND BALL VALVE SHALL:
 - A. BE MADE OF BRASS OR BRONZE:
 - B. BE OF THE BANDED PATTERN:
 - C. BE DESIGNED FOR A MIN OF 175 PSI (COLD WATER) WORKING PRESSURE.
- 2. PRESSURE TEST PRIOR TO WRAPPING OR BACKFILLING.
- 3. CORPORATION STOP & FITTINGS AT PIPELINE SHALL BE PRIMED AND WRAPPED WITH APPROVED COAL TAR RESIN TAPE.
- 4. ALL SERVICE PIPE & TUBING SHALL BE LAID ON A CONSTANT SLOPE UP FROM WATER MAIN TO METER. NO DIPS OR POCKETS WILL BE PERMITTED. PROVIDE 36" MIN. COVER AT GAS MAIN CROSSING.

DATE:	REVISION	BY
AP	PROVED BY Shomas W. Wagner 2/24/6. GENERAL MANAGER DATE: D. Wall 2/24/69 CHIEF ENGINEER DATE:	9
	: NONE DRAWN BY: S.R.W.	
LA	KE HEMET MUNICIPAL WATER DIS	ST.
	WATER IMPROVEMENT	

1 1/2" SERVICE CONNECTION





TANK OUTLETS		
CORPORATION STOPS	EXTRA HEAVY HALF COUPLING SIZE	
3/4" (CS)	1-1/4" (IP)	
1" (CS)	1-1/4" (IP)	
1-1 1/2" (IP)	2-1/2" (IP)	
2" (IP)	2-1/2" (IP)	

DATE:	REVISION	BY	
AP	PROVED BY Stromas W. Wagner 12/22	L/09	
	GENERAL MANAGER DATE:	•	
	Polacia Mal 12/02/09		
	HE ENGINEER DATE:		
	E: NONE DRAWN BY: S.R.W.		
LA	LAKE HEMET MUNICIPAL WATER DIST.		
	WATER IMPROVEMENT		
	WELDED OUTLETS ON TANKS FOR 3/4" THRU 2" CORP STOPS		



LAKE HEMET MUNICIPAL WATER DISTRICT TECHNICAL SPECIFICATIONS

DESIGN GUIDELINES

The following are provided as Design Guidelines to develop the Plans for LHMWD.

- Standard Symbols
- Normal Location of Underground Utilities
- Typical Lot Layout

Water DG - 1

Revised: March 2007

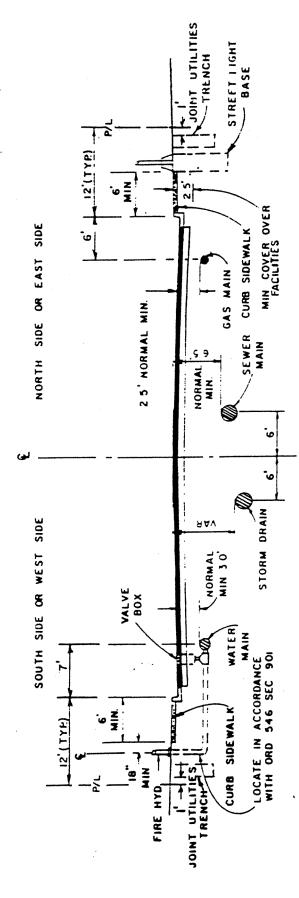


	 SEWER MAIN
—-F.M.—	 FORCE MAIN
——O ²⁰¹	 MANHOLE (INDENTIFICATION NUMBER SHOWN ON INDEX MAP)
C-12	 CLEANOUT (INDENTIFICATION SHOWN ON INDEX MAP)
— ©—	 MANHOLE WITH BOLT-DOWN COVER
	 WYE
	 LATERAL (2% GRADE, MINIMUM, UNLESS NOTED AS "LF")
	 CHIMNEY
	 SEWER NOT A PART OF THIS CONTRACT (ON INDEX MAP)
	 SEWER NOT A PART OF THIS CONTRACT (ON CONST. DRAWINGS)
	 EASEMENT LIMITS
3	 PLAN SHEET NUMBER (ON INDEX MAP)
—6 W —	 WATER MAIN (SIZE IN INCHES)
—2G—	 GAS MAIN (SIZE IN INCHES)
8 S	 SEWER LINE (SIZE IN INCHES)
——E—	 UNDERGROUND ELECTRICAL
	 UNDERGROUND TELEPHONE
<u>—sd—</u>	 STORM DRAIN PIPE
—TS—	 UNDERGROUND TRAFFIC SIGNAL CABLE
—TV—	 CABLE TV

SOLID LINES REPRESENT PROPOSED FACILITIES DASHED LINES REPRESENT EXISTING FACILITIES

STANDARD SYMBOLS





NOTE: I LOCATION AND DEPTII OF EXISTING AND PROPOSED UTILITIES MUST
BE PROVIDED BY THE SUBDIVIDER AND SHOWN ON ANY PLANS
SUBMITTED TO THE TRANSPORTATION DEPARTMENT FOR APPROVAL.

CHANGES MAY BE PERMITTED BY THE DIRECTOR OF TRANSPORTATION

IN CASES OF CONFLICTING FACILITIES.

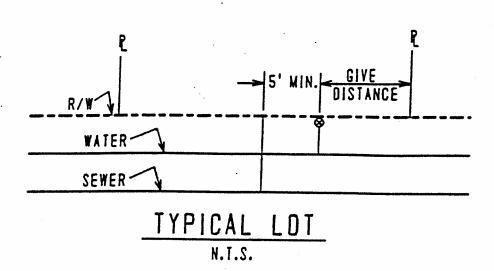
3. CONFLICTS BETWEEN UTILITY COMPANY FACILITIES, EXISTING AND PROPOSED, MUST BE MUTUALLY RESOLVED BY THE

UTILITY COMPANIES.

NOTE SEE STANDARD NO 1000 OR 1001 FOR RESIDENTIAL LIGHTING DETAILS.

UTILITIES UNDERGROUND OF NORMAL LOCATION





TYPICAL LOT LAYOUT