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DETAIL NO. 100-1*	YAG STANDARD DETAILS	YAG INDEX SHEET	NOTE: DETAIL NUMBERS WITH * HAVE BEEN MODIFIED TO MEET YAG REQUIREMENTS	DETAIL NO. 100-1*
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- 501-4 HEADWALL IRRIGATION 18" TO 60" PIPE
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- 507 ENCASED CONCRETE PIPE (FOR SHALLOW INSTALLATION)
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- 533-1 CATCH BASIN TYPE 'D'
- 533-2 7' OPENING CATCH BASIN - TYPE 'D' WITH LOCAL DEPRESSION
- 533-3 7' OPENING CATCH BASIN - TYPE 'D' WITH LOCAL DEPRESSION
- 533-4 7' OPENING CATCH BASIN - TYPE 'D' GRATE DETAILS
- 534-1 CATCH BASIN - TYPE 'E'
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- 534-5 ALTERNATE GRATE STYLES - SUMP LOCATION
- 535 CATCH BASIN - TYPE 'F' - FOR USE WITHOUT CURB
- 536-1 COMMON DETAILS AND SECTIONS FOR CURB OPENING CATCH BASINS
- 536-2 ALTERNATE COVER FOR CURB OPENING CATCH BASINS
- 537 CATCH BASIN - TYPE 'G'
- 538 CATCH BASIN - TYPE 'H'
- 540-1 CATCH BASIN GRATES
- 540-2 CATCH BASIN GRATES
- 545 END SECTION - REINFORCED CONCRETE PIPE
- 550 SPILLWAY INLET AND OUTLET
- 552 CONCRETE CUT-OFF WALLS
- 555 EROSION PROTECTION/RIPRAP
- 5-04* RIGID PIPE BEDDING FOR STORM DRAINS YAG

DETAIL NO.

100-2*

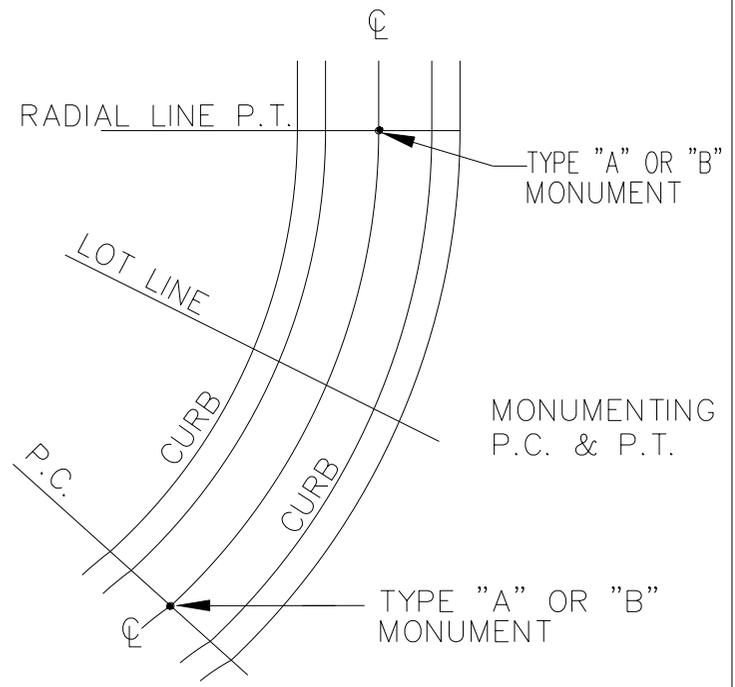
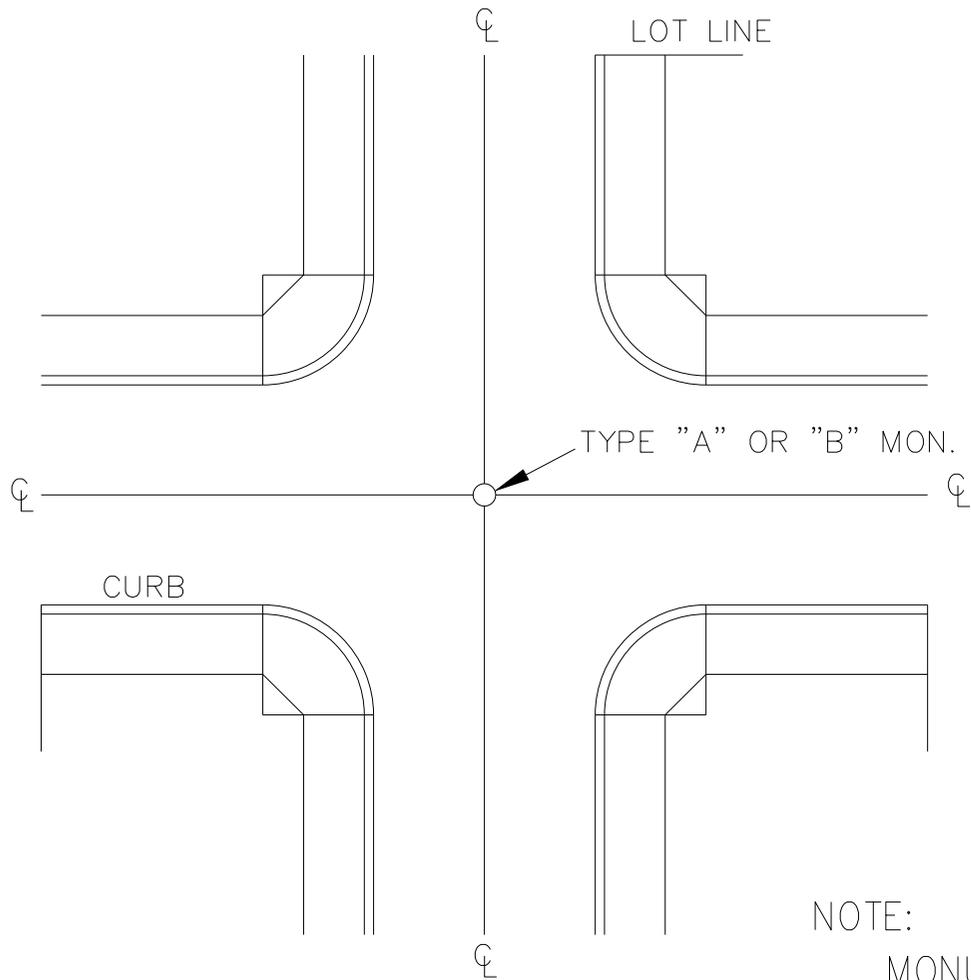
YAG STANDARD DETAILS

YAG INDEX SHEET

NOTE: DETAIL NUMBERS WITH *
HAVE BEEN MODIFIED TO MEET
YAG REQUIREMENTS

DETAIL NO.

100-2*



NOTE:

MONUMENT AT INTERSECTIONS, CUL-DE-SACS & ANGLE POINTS FOR RESIDENTIAL, COLLECTOR AND ARTERIAL STREETS, SEE YAG DETAIL 120-1 AND PROJECT PLANS FOR MONUMENT TYPE.

DETAIL NO.
1-04*

YAG STANDARD DETAIL

STREET MONUMENTAL

DETAIL NO.
1-04*

"A" CENTER OF STEEL POST
TO BE 3" OFF BACK OF
CURB

STANDARD SIZE MAIL BOX NO.1
1-A, OR NO. 2 AS MANUFACTURED BY
THE JACKES-EVANS MFG. CO.
OR EQUAL (SEE CHART FOR
DIMENSIONS)

BOX TO BE PLACED IN A
MANNER ACCEPTABLE TO
POSTMASTER

2" DIA. STEEL POST

JOE DOE
111 E. POE

42"

36" MIN
CLEAR

"A"

48"
SIDEWALK

TACK
WELD

18"

2-1/4" DIA. STEEL
SLEEVE

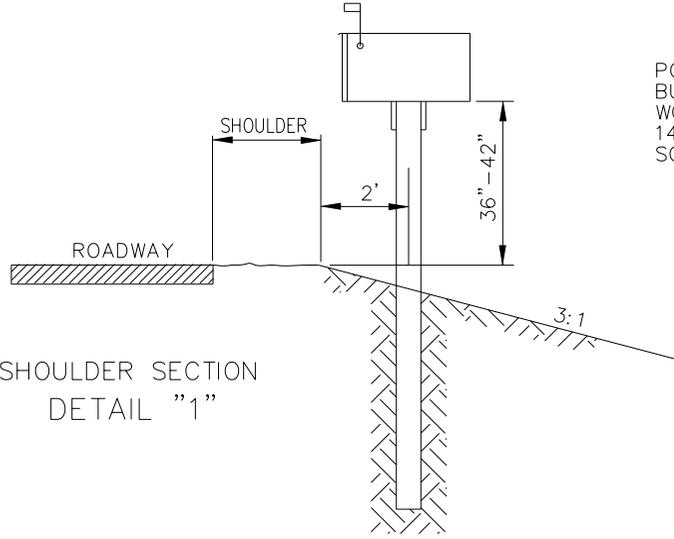
DIMENSIONS (APPROXIMATELY)			
SIZE	LENGTH	WIDTH	HEIGHT
NO.1	19"	6-1/2"	8-1/2"
NO.1-A	21"	8"	10-1/2"
NO.2	23-1/2"	11-1/2"	13-1/2"

DETAIL NO.
1-08A*

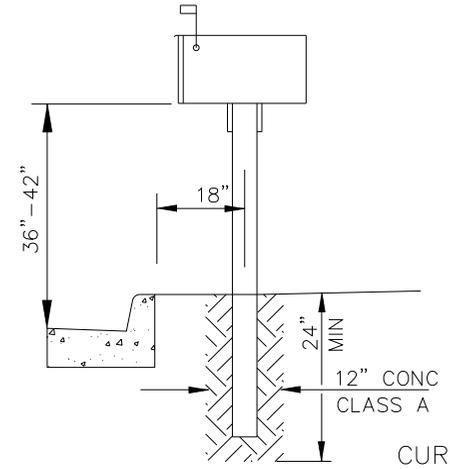
YAG STANDARD DETAIL

CITY OF PRESCOTT URBAN MAIL BOX

DETAIL NO.
1-08A*

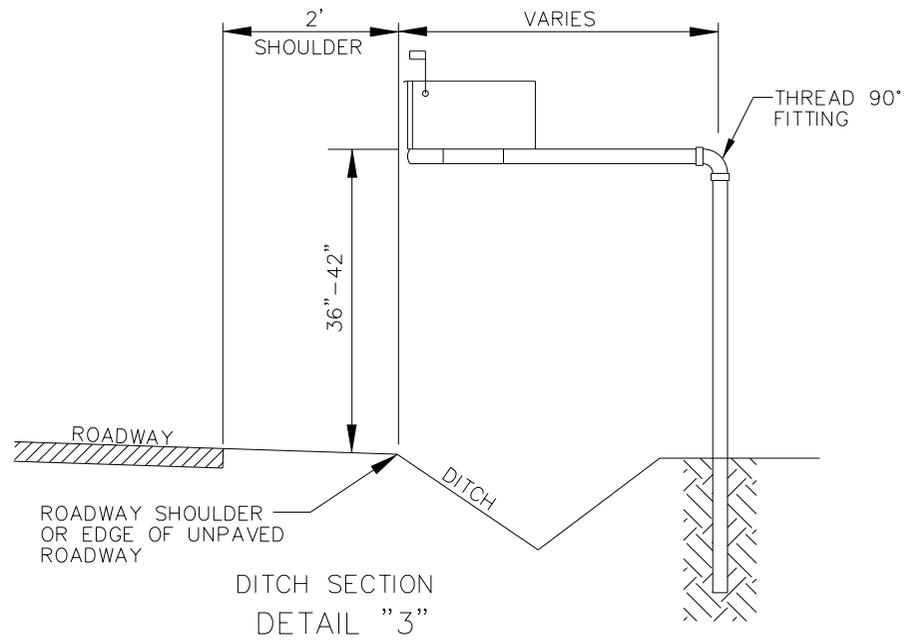


POST GIVING FIRM SUPPORT
BUT NOT EXCEED A 4x4
WOODEN POST, A 2" O.D.
14 GAUGE PIPE OR 2" 14 GAUGE
SQUARE TUBING.

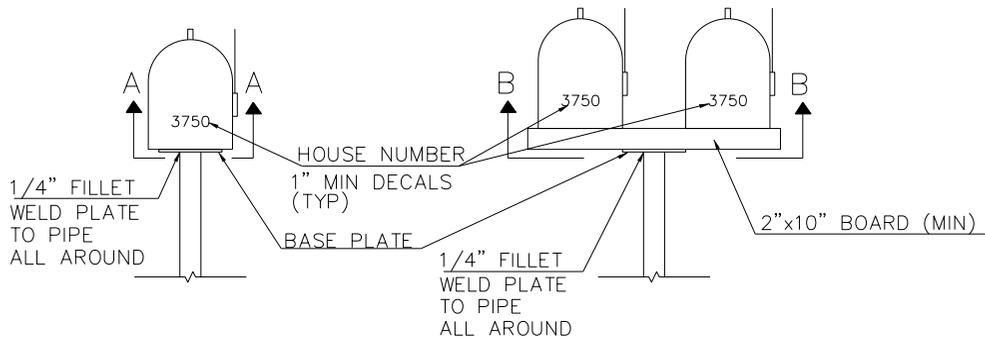


NOTES:

1. DETAIL "1" MAY BE USED IF POST IS LOCATED WITHIN 2' OF EDGE OF DRIVEWAY AND WHEN NO DRAINAGE STRUCTURES ARE PRESENT.
2. DETAIL "3" MUST BE USED IF POST IS NOT LOCATED ADJACENT TO DRIVEWAY AND A DRAINAGE DITCH WOULD BE IMPACTED. (PROHIBITING MAINTENANCE OF DITCH)
3. DETAIL "2" SHALL BE USED ON ROADS WHERE CURB AND GUTTER ARE PRESENT.

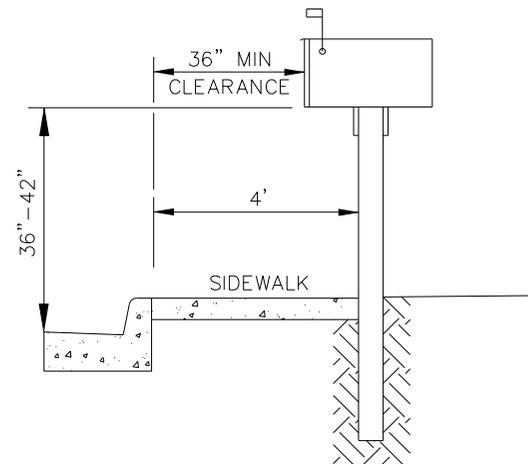


DETAIL NO. 1-08B*	YAG STANDARD DETAIL	YAVAPAI COUNTY & CHINO VALLEY MAIL BOX	DETAIL NO. 1-08B*
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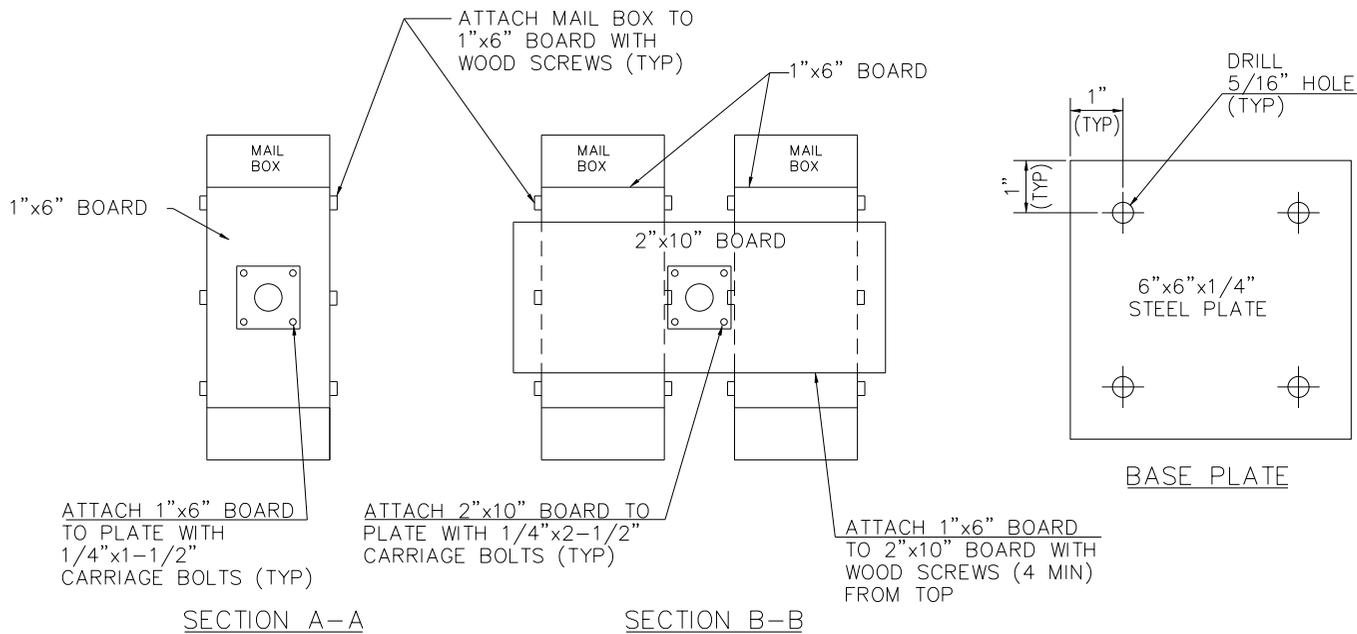


SINGLE MAILBOX INSTALLATION

DOUBLE MAILBOX INSTALLATION



CURB SECTION WITH SIDEWALK



SECTION A-A

SECTION B-B

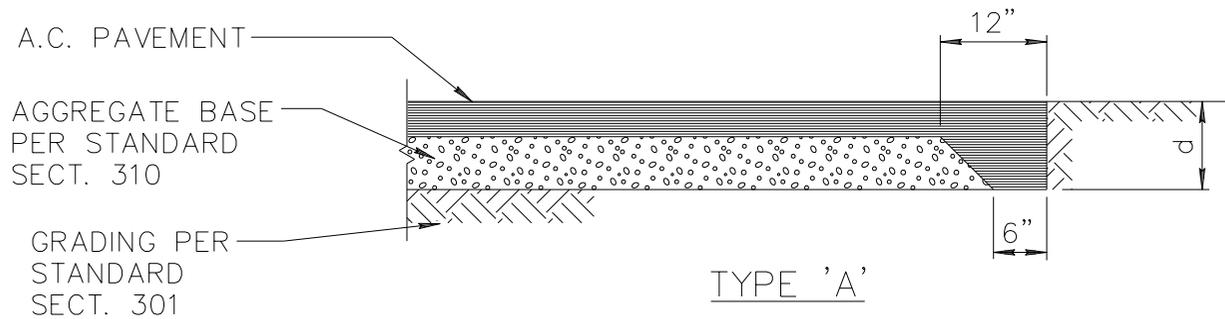
BASE PLATE

DETAIL NO.
1-08C*

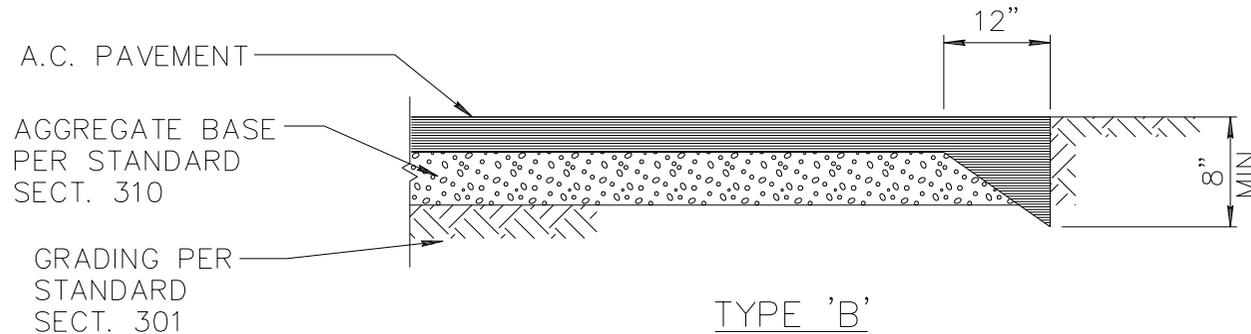
YAG STANDARD DETAIL

PRESCOTT VALLEY URBAN MAILBOX DETAIL

DETAIL NO.
1-08C*



d = DESIGN THICKNESS OF A.C.
PAVEMENT PLUS AGGREGATE BASE.

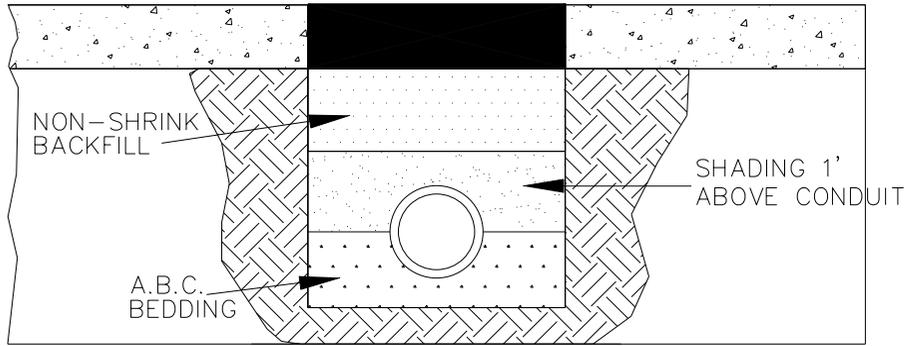


DETAIL NO.
201*

YAG STANDARD DETAIL

PAVEMENT SECTION AT TERMINATION

DETAIL NO.
201*



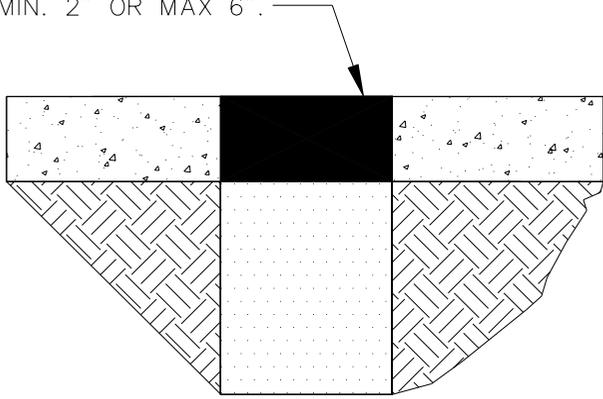
- NON-SHRINK BACKFILL MIX:
1. 2,600 LBS., 3/8 MINUS AGGREGATE
 2. 800 LBS. SAND
 3. 94 LBS. CEMENT
 1. 11 GALLONS WATER

BEDDING AND SHADING IS REQUIRED IN ALL BACKFILLS. SEE DETAIL 2-02.

NOTES:

1. NON-SHRINK BACKFILL TO BE USED IN ALL EXISTING PAVED SECTIONS OF RIGHT OF WAY.
2. TACK AREAS BETWEEN ASPHALT REPAIR & EXISTING A.C.

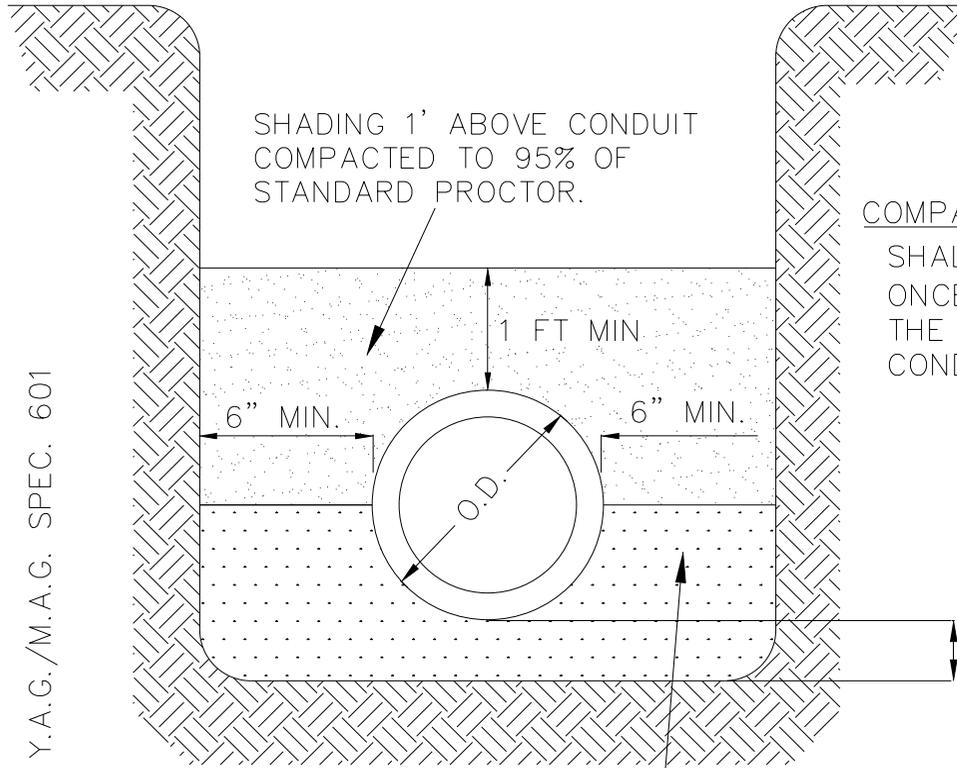
HOT MIX PATCH OVER NON-SHRINK FILL TO MATCH EXISTING PAVEMENT THICKNESS, MIN. 2" OR MAX 6".



NOTES:

1. HOT MIX ASPHALT FOR PERMANENT REPAIR IS TO BE PLACED WITHIN 30 DAYS.
2. IF HOT MIX IS UNAVAILABLE COLD MIX A.C. WILL BE USED FOR A TEMPORARY PATCH, AND SHALL BE PLACED IMMEDIATELY UPON COMPLETION OF BACKFILL. ALL CONSTRUCTION SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL COMPLETION WITH PERMANENT PATCH MATERIAL.
3. PAVEMENT SHALL BE SAWCUT PRIOR TO ASPHALT REPLACEMENT.
4. NON-SHRINK BACKFILL OPTIONAL ON ALL NON-PAVED SECTIONS.
5. ALL COPPER AND BRASS FITTINGS SHALL BE PROTECTED AS PER "AGENCY" UTILITY REQUIREMENTS.
6. ALL PATCHES ARE TO BE CHIP SEALED.
7. ALL PATCHES SHALL BE WARRANTED BY CONTRACTOR FOR 2 YEARS.
8. A.B.C. MAY BE SUBSTITUTED FOR NON-SHRINK BACKFILL IF APPROVED BY "AGENCY" ENGINEER.

DETAIL NO. 2-01*	YAG STANDARD DETAIL	BACKFILL, PAVEMENT & SURFACE REPLACEMENT	DETAIL NO. 2-01*
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MINIMUM OF 6" OF BEDDING MATERIAL ON ALL PIPE SIZES.

COMPACTION TESTING:

SHALL BE ACCOMPLISHED AT A MINIMUM OF ONCE PER 200' OF TRENCH PER LIFT OR AT THE DISCRETION OF THE INSPECTOR AS CONDITIONS MAY DICTATE.

NOTE: ANY DEVIATION FROM THIS STANDARD DETAIL MUST BE APPROVED BY THE AGENCY ENGINEER.

BEDDING TO BE PLACED TO SPRINGLINE OF PIPE AND COMPACTED TO 95% OF STANDARD PROCTOR.

SHADING 1' ABOVE CONDUIT COMPACTED TO 95% OF STANDARD PROCTOR.

Y.A.G./M.A.G. SPEC. 601

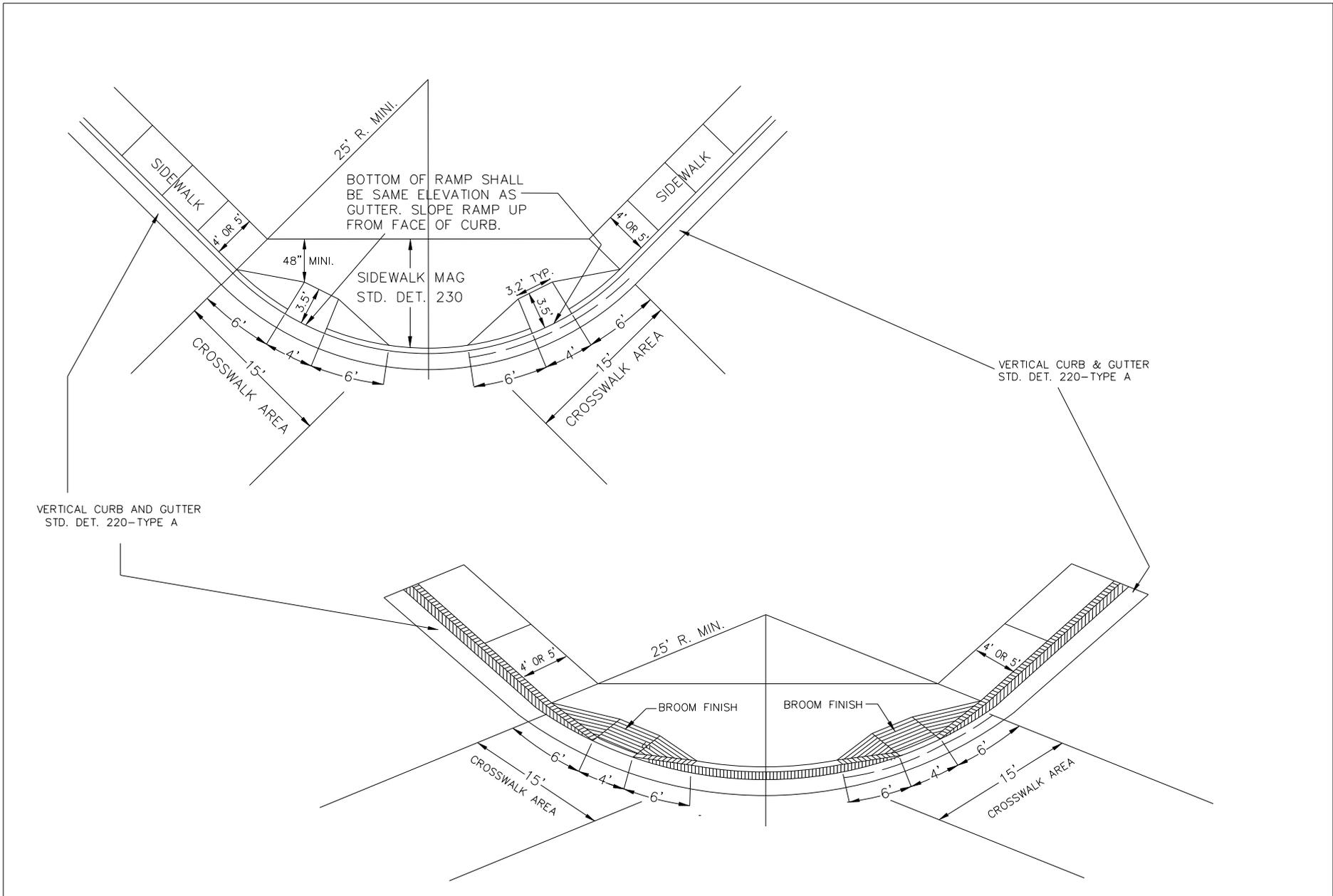
ACCEPTABLE BEDDING/SHADING MATERIAL	
SIEVE SIZE (SQUARE OPENING)	PERCENTAGE BY WEIGHT PASSING SIEVE
1"	100
PI MAX	10

DETAIL NO.
2-02*

YAG STANDARD DETAIL

TRENCH BEDDING FOR UNDERGROUND CONDUIT

DETAIL NO.
2-02*

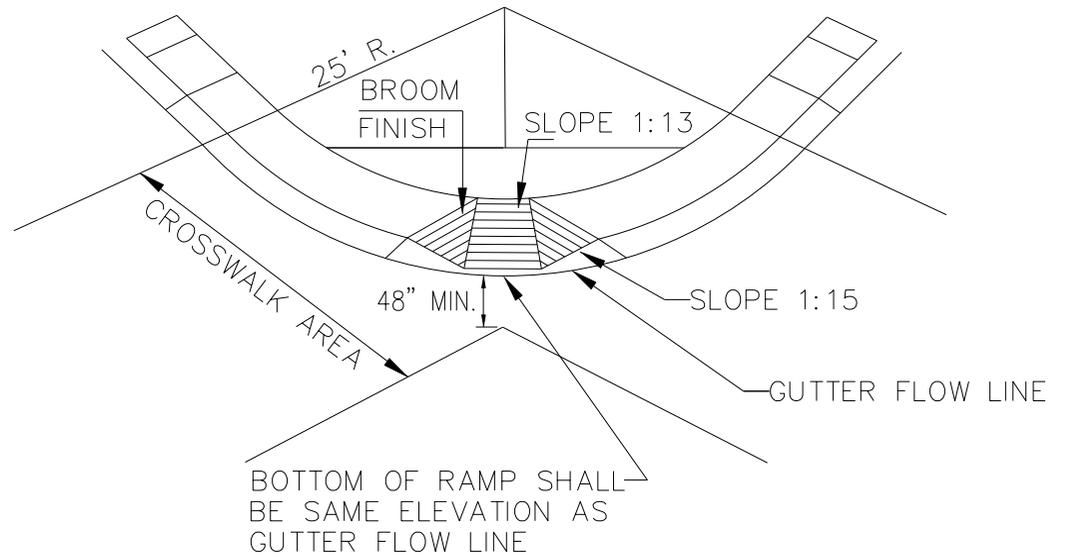
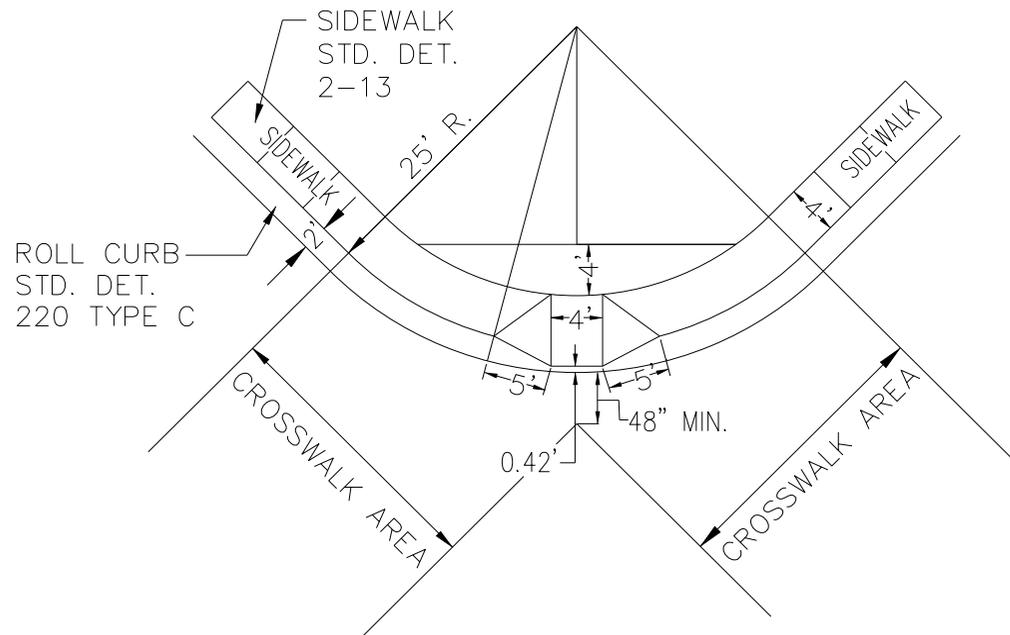


DETAIL NO.
2-15*

YAG STANDARD DETAIL

SIDEWALK RAMP 25' RADIUS
MINIMUM FOR NEW CONSTRUCTION

DETAIL NO.
2-15*

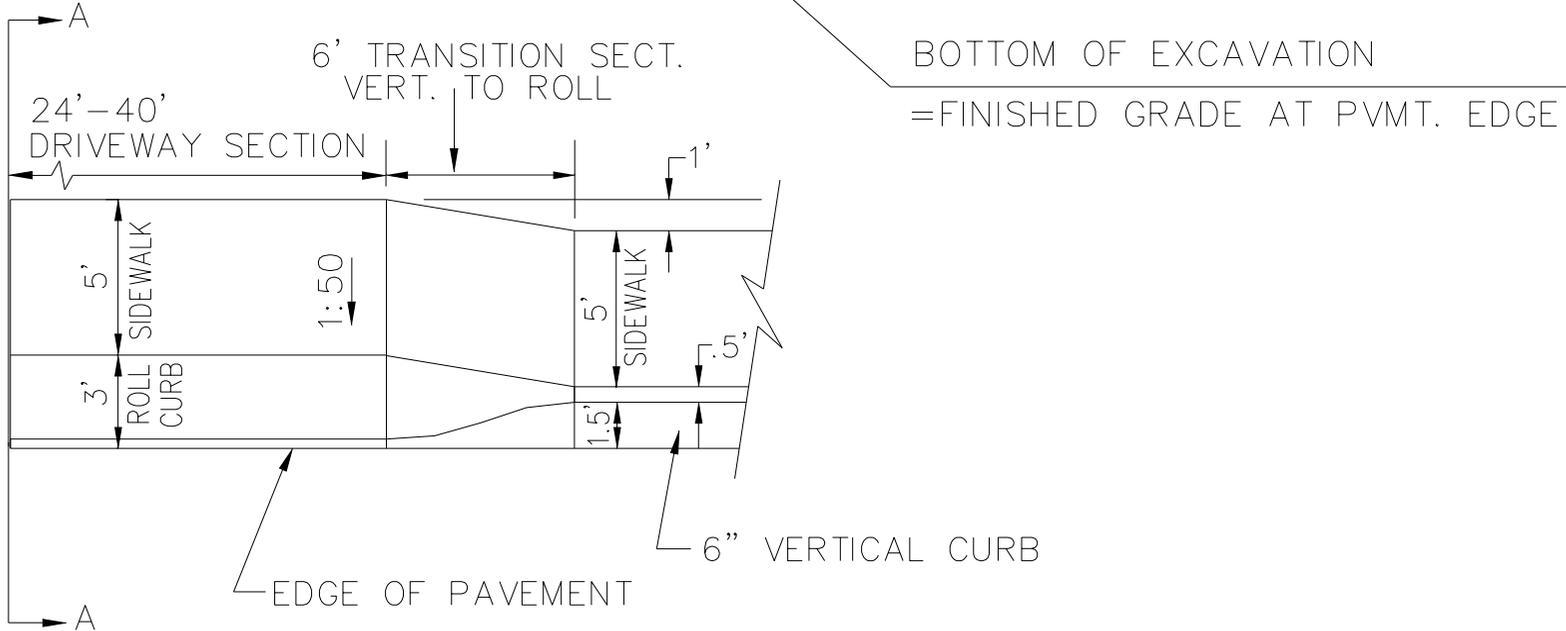
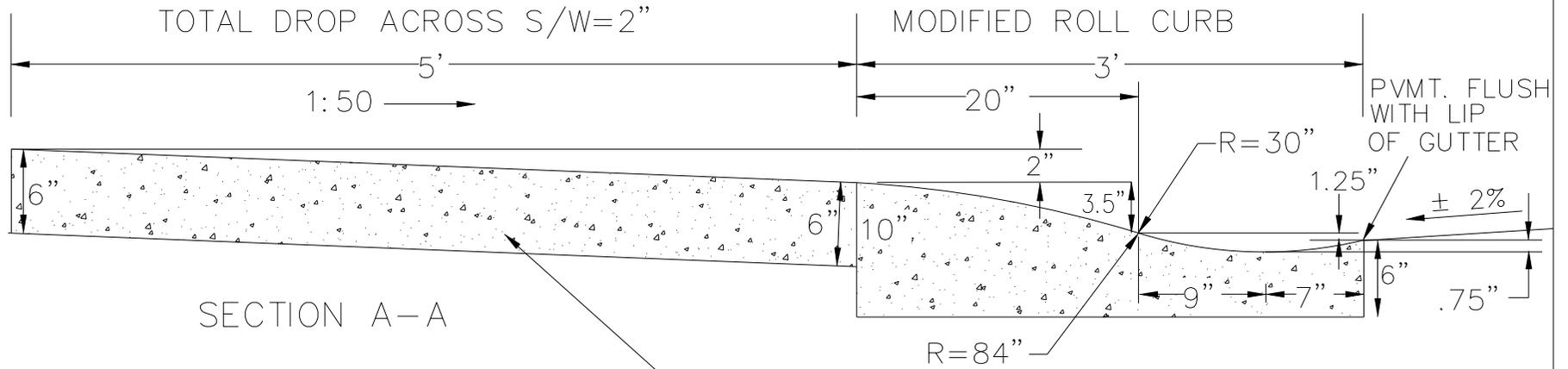


DETAIL NO.
 2-16*

YAG STANDARD DETAIL

ROLL CURB SIDEWALK RAMP DETAIL

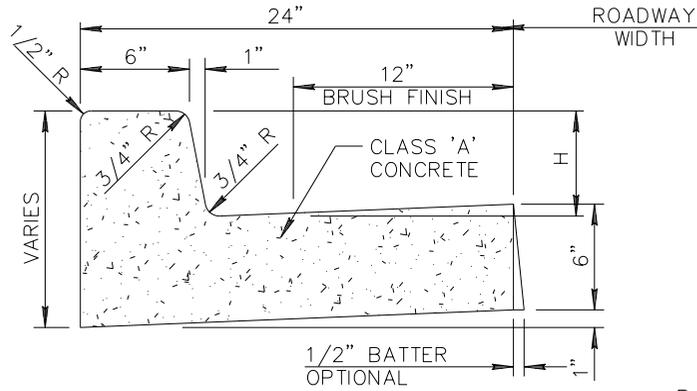
DETAIL NO.
 2-16*



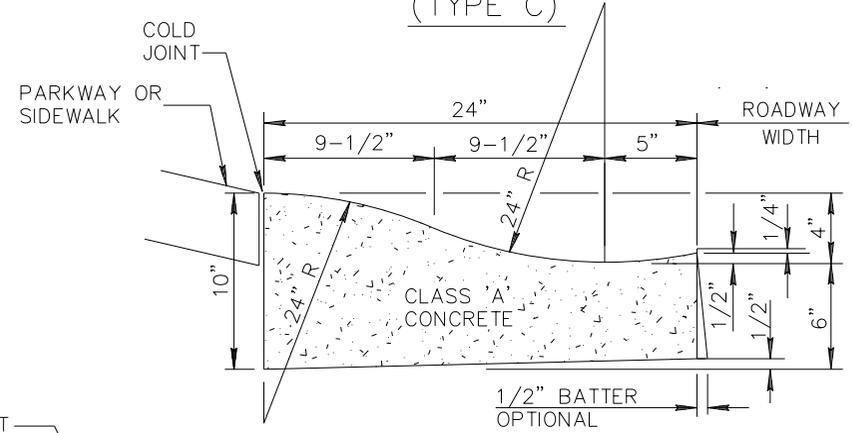
NOTE: ALL CONCRETE SHALL BE CLASS "A"

DETAIL NO. 2-18*	YAG STANDARD DETAIL	MODIFIED HANDICAP DRIVEWAY SECTION	DETAIL NO. 2-18*
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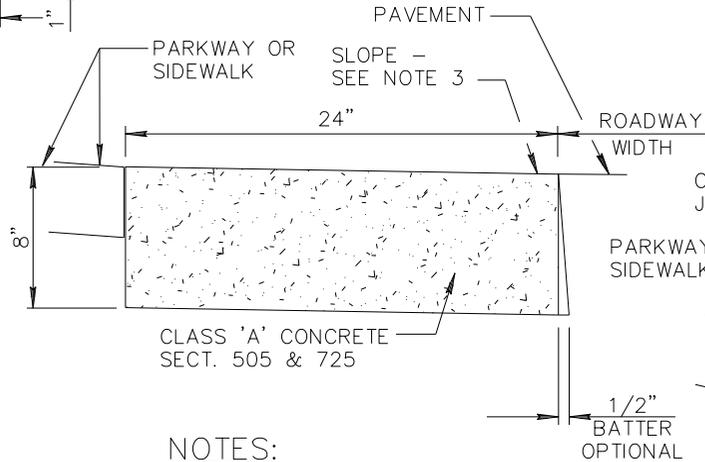
VERTICAL CURB AND GUTTER
(TYPE A)



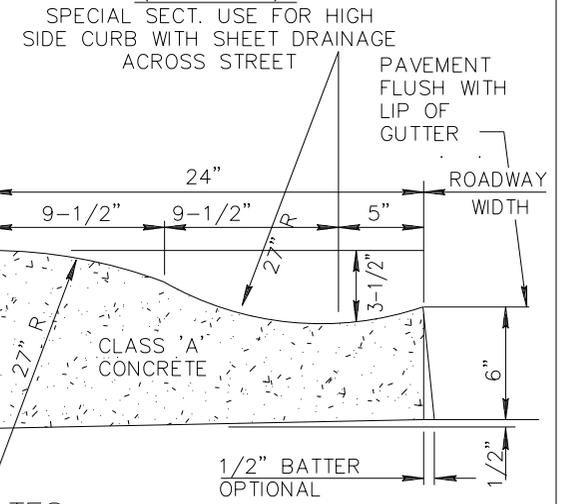
ROLL CURB AND GUTTER
(TYPE C)



RIBBON CURB
(TYPE B)



(TYPE D)



NOTES:

1. ALL EXPOSED SURFACES TO BE TROWEL FINISHED EXCEPT AS SHOWN. SEE SECT. 340.
2. H=6" OR AS SPECIFIED ON PLANS
3. CONTRACTION JOINT SPACING 10' MAXIMUM.
4. EXPANSION JOINTS AS PER SECT. 340.

NOTES:

1. CONSTRUCT CURB AND INSTALL 1/2" MASTIC EXPANSION JOINTS, A.S.T.M. D-1751. SECT. 340.
2. BROOM FINISH ALL SURFACES.
3. RIBBON CURB MAY SLOPE TOWARDS PAVEMENT OR PARKWAY AS INDICATED ON PLANS.
4. CONTRACTION JOINT SPACING 10' MAXIMUM.

NOTES:

1. ALL WORK AND MATERIALS SHALL CONFORM TO SECT. 340, 505 AND 725. BROOM FINISH EXPOSED SURFACE.
2. CONTRACTION JOINT SPACING 10' MAXIMUM.
3. EXPANSION JOINTS AS PER SECT. 340.

DETAIL NO.

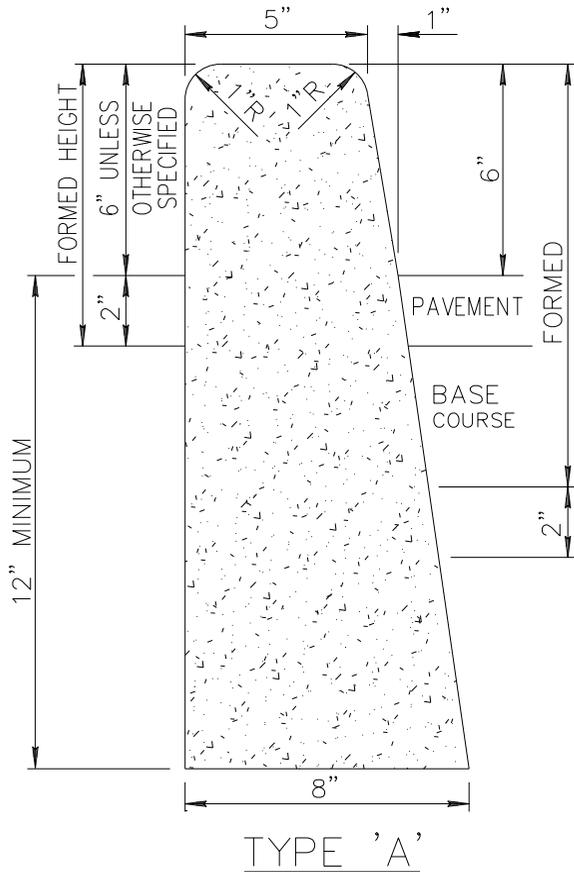
220*

YAG STANDARD DETAIL

CURB AND GUTTER – TYPES A, B, C AND D

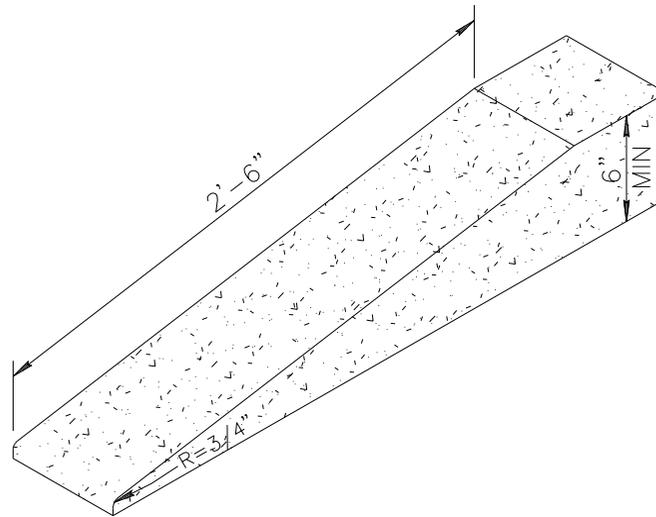
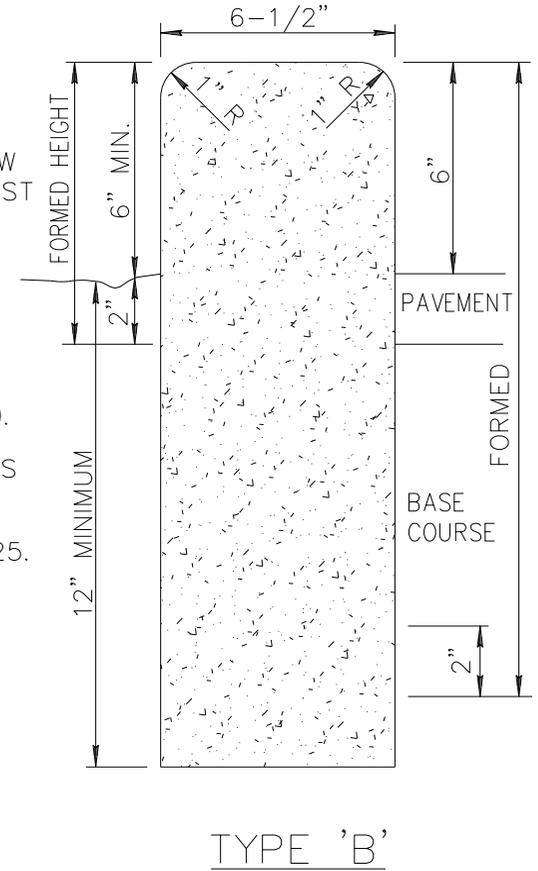
DETAIL NO.

220*



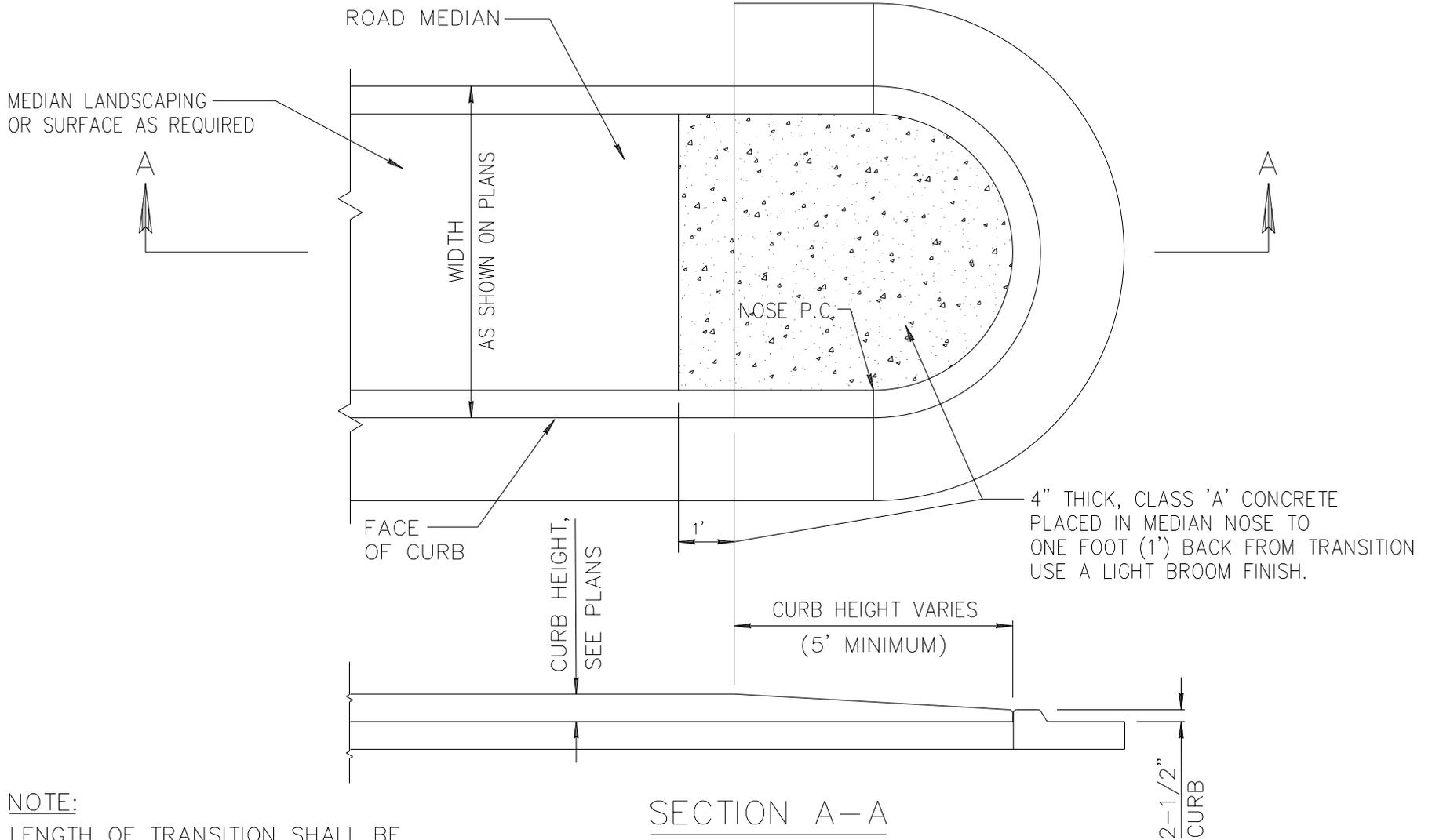
NOTES:

1. ALL VERTICAL SURFACES TO BE FORMED.
2. VERTICAL SURFACES DOWN FROM 2" BELOW UNDISTURBED SOIL MAY BE PLACED AGAINST NEAT CUT IF APPROVED BY THE ENGINEER AND CONCRETE WILL NOT EXTEND MORE THAN 1" BEYOND THEORETICAL FACE.
3. ALL EXPOSED SURFACES TO BE STRIPPED GREEN AND BRUSH FINISHED
4. CONCRETE CURBS CONFORM TO SECT. 340.
5. MAXIMUM SPACING OF CONTRACTION JOINTS IS 10'.
6. CONCRETE TO BE CLASS 'A' PER SECT. 725.



TYPICAL CURB TERMINATION

DETAIL NO. 222*	YAG STANDARD DETAIL	SINGLE CURB – TYPES A, B AND TERMINATION	DETAIL NO. 222*
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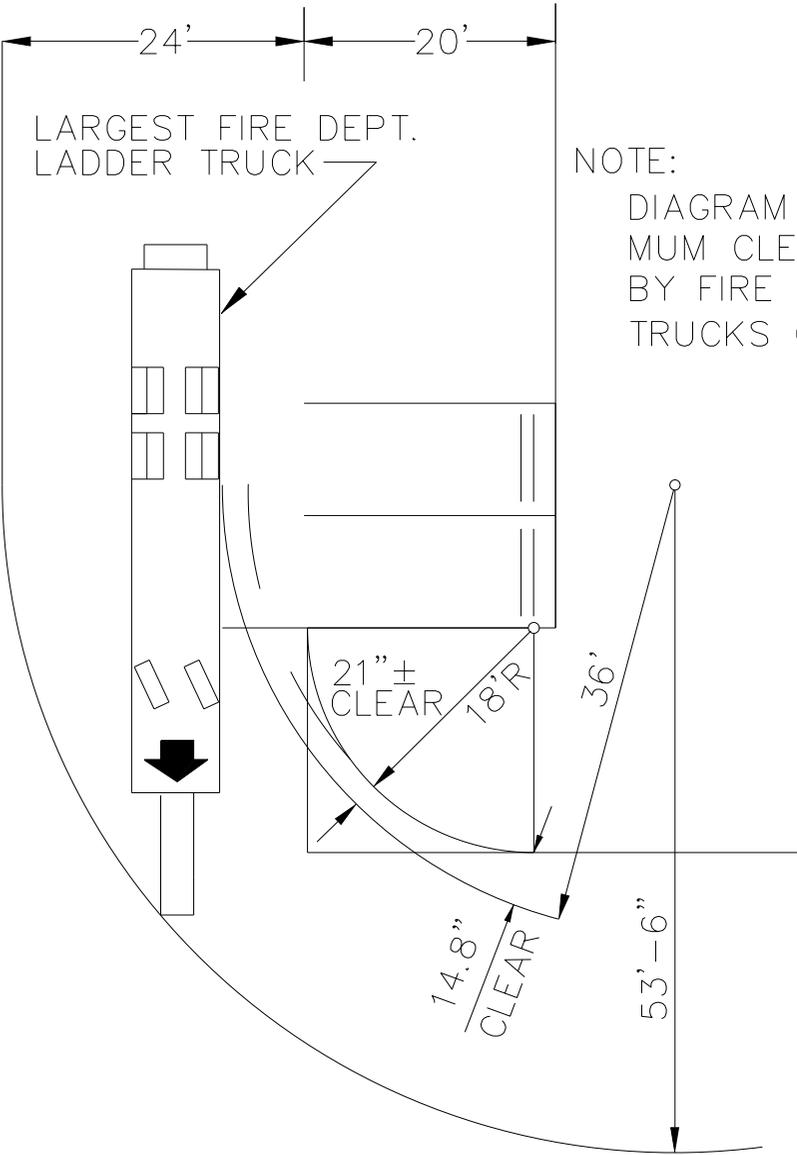
NOTE:
 LENGTH OF TRANSITION SHALL BE
 EQUAL TO RADIUS OF MEDIAN NOSE,
 (5' MINIMUM). FOR LOCATION SEE PLANS.

DETAIL NO.
 223*

YAG STANDARD DETAIL

MEDIAN NOSE TRANSITION

DETAIL NO.
 223*



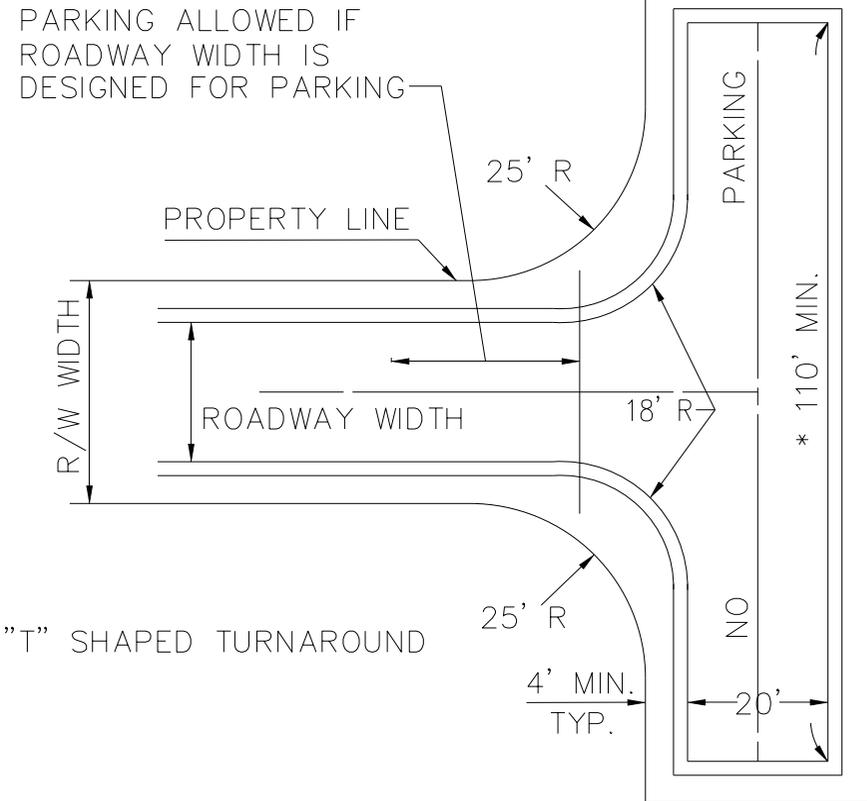
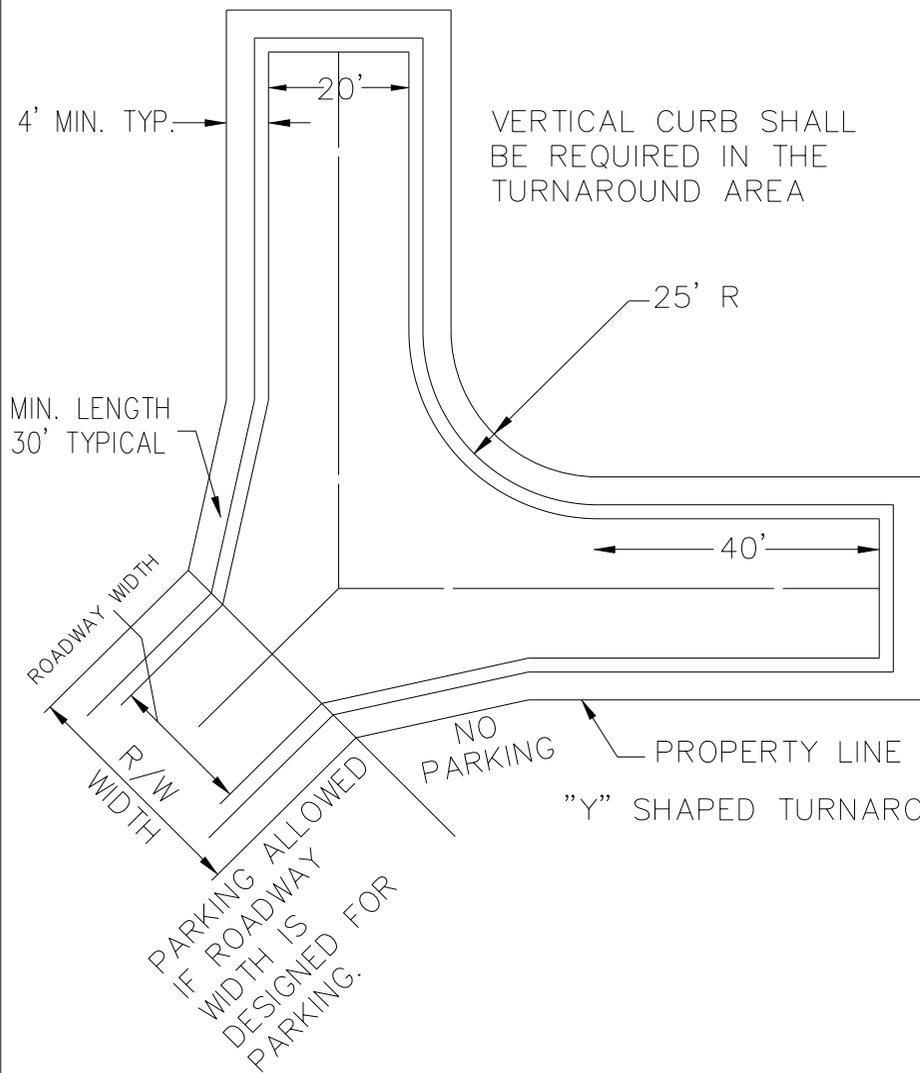
NOTE:
 DIAGRAM ILLUSTRATES MINI-
 MUM CLEARANCES REQUIRED
 BY FIRE DEPT. FOR LADDER
 TRUCKS ON 24' ROADWAY.

DETAIL NO.
 2-25*

YAG STANDARD DETAIL

TURNING RADIUS DIAGRAM

DETAIL NO.
 2-25*



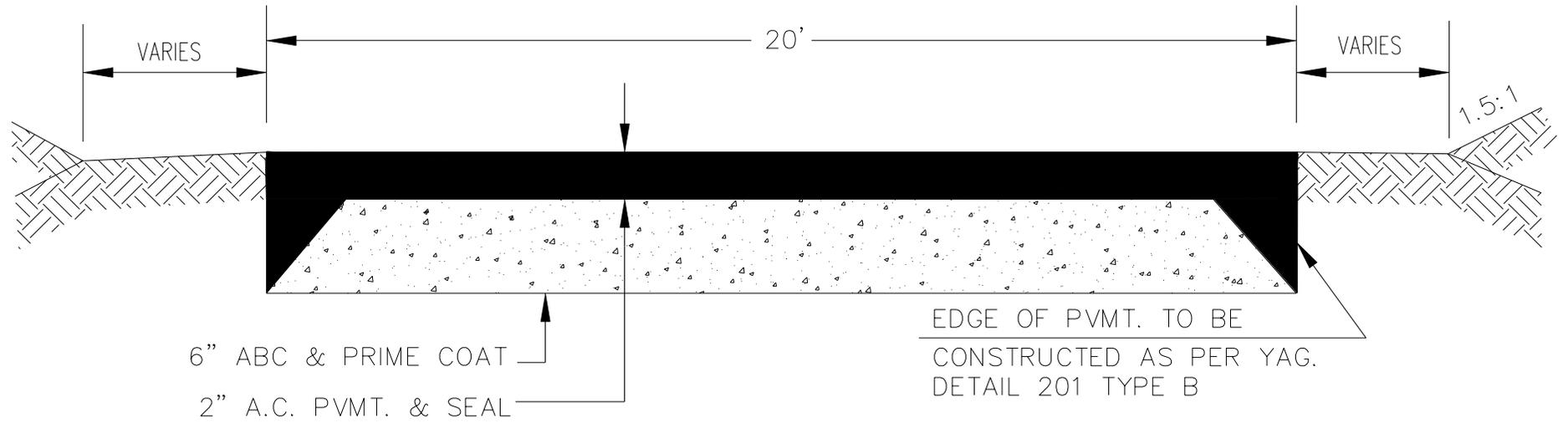
* MAY BE REDUCED IN ACCORDANCE WITH FIRE DEPARTMENT CRITERIA.

DETAIL NO.
2-26*

YAG STANDARD DETAIL

TURNAROUNDS (P.A.D. ONLY)

DETAIL NO.
2-26*



TYPICAL CROSS SECTION
(NO SCALE)

DETAIL NO.
2-27*

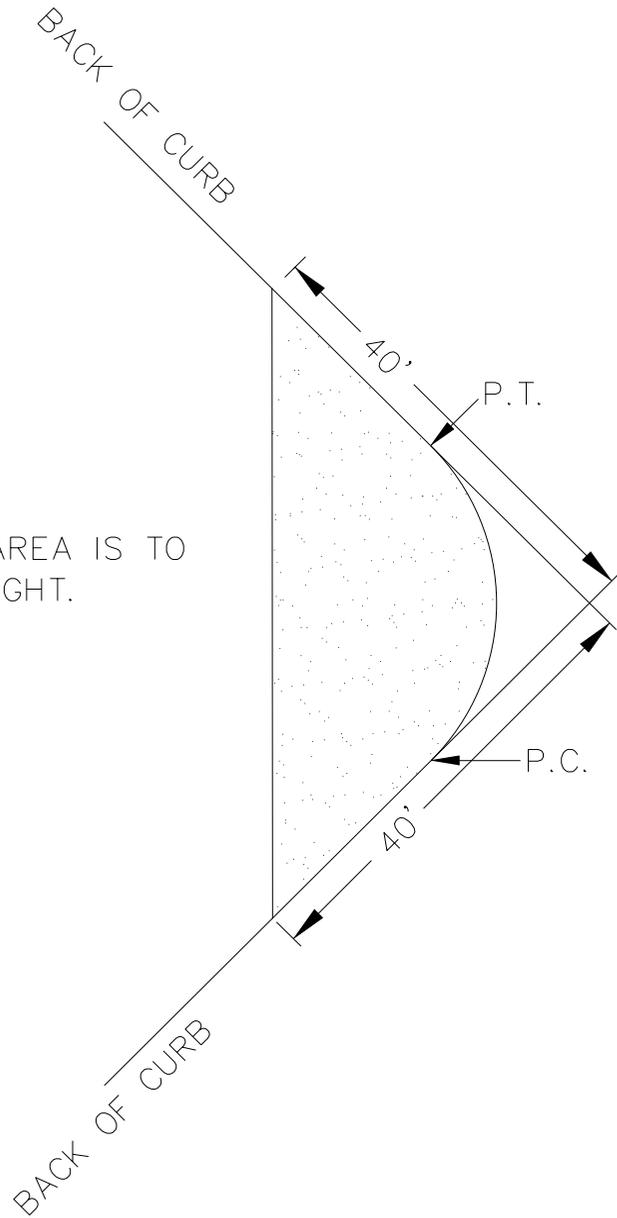
YAG STANDARD DETAIL

FIRE LANE

DETAIL NO.
2-27*



NOTHING IN THIS AREA IS TO EXCEED 18" IN HEIGHT.



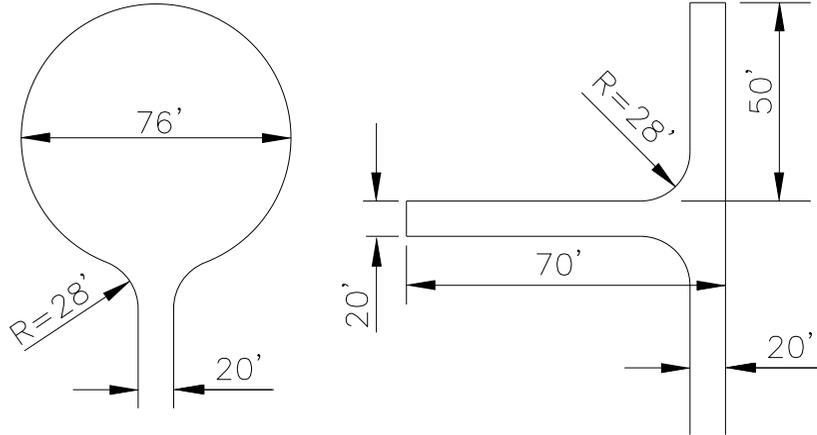
DETAIL NO.
2-28*

YAG STANDARD DETAIL

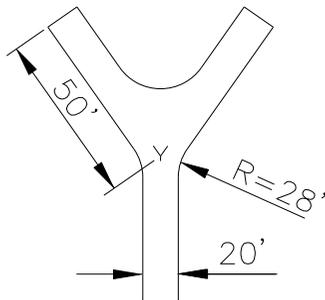
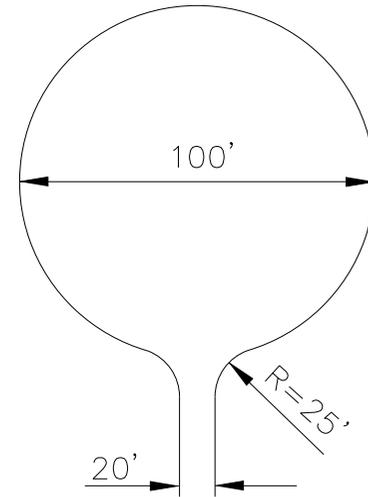
CORNER DEVELOPMENT RESTRICTIONS

DETAIL NO.
2-28*

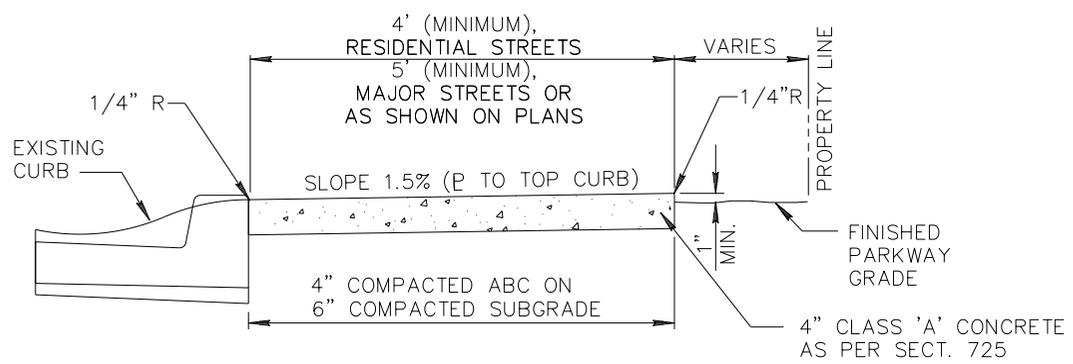
AREAS WITH
FIRE HYDRANT



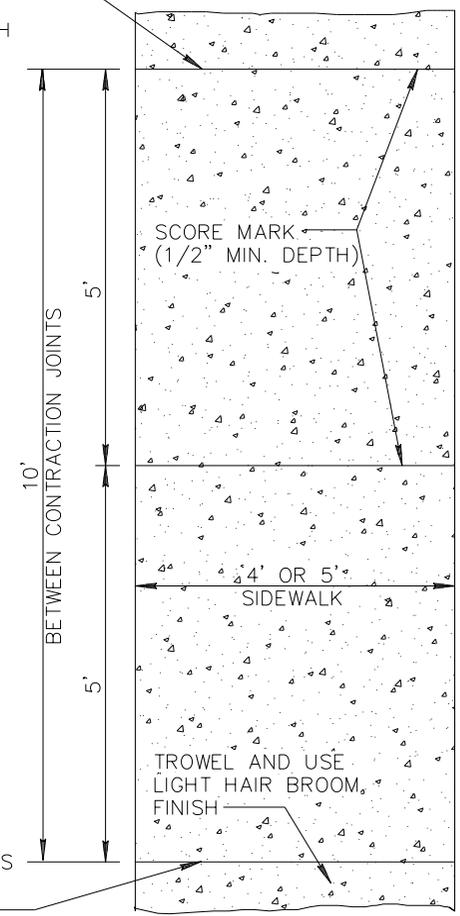
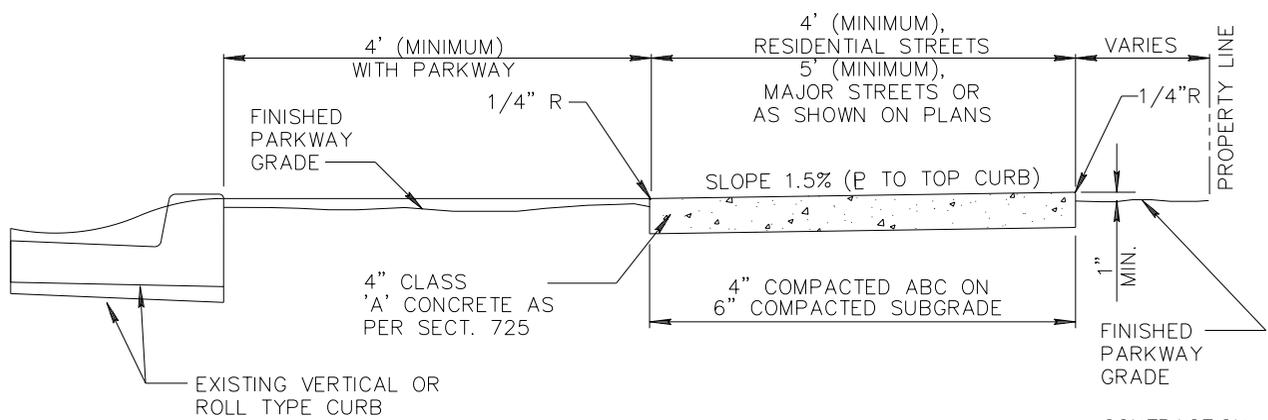
AREAS WITHOUT
FIRE HYDRANT



MINIMUM TURNAROUNDS AND FIRE LANES
CENTRAL YAVAPAI FIRE DEPARTMENT
SERVICE AREAS



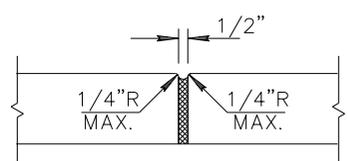
CONTRACTION JOINT CURB AND GUTTER JOINTS SHALL MATCH SIDEWALK JOINTS



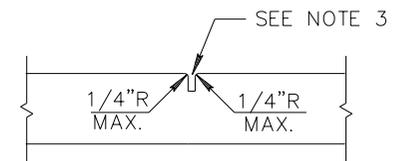
NOTES:

1. SIDEWALK CONSTRUCTION SHALL CONFORM TO SECT. 340.
2. EXPANSION JOINT FILLER SHALL BE 1/2" BITUMINOUS TYPE PREFORMED EXPANSION JOINT FILLER, A.S.T.M. D-1751.
3. LARGE AGGREGATE, IN CONTRACTION JOINT, SHALL BE SEPARATED TO A DEPTH OF 1". FINISH DEPTH SHALL BE A MINIMUM OF 3/4".
4. EXPANSION JOINT 100' MAX. SPACING PER SECT. 340.
5. SUBGRADE TO BE COMPACTED TO 95% OF MAXIMUM PER SECT. 301. MOISTURE TO BE 2% OVER OPTIMUM IN COHESIVE SOILS.

CONTRACTION JOINT CURB AND GUTTER JOINTS SHALL MATCH SIDEWALK JOINTS



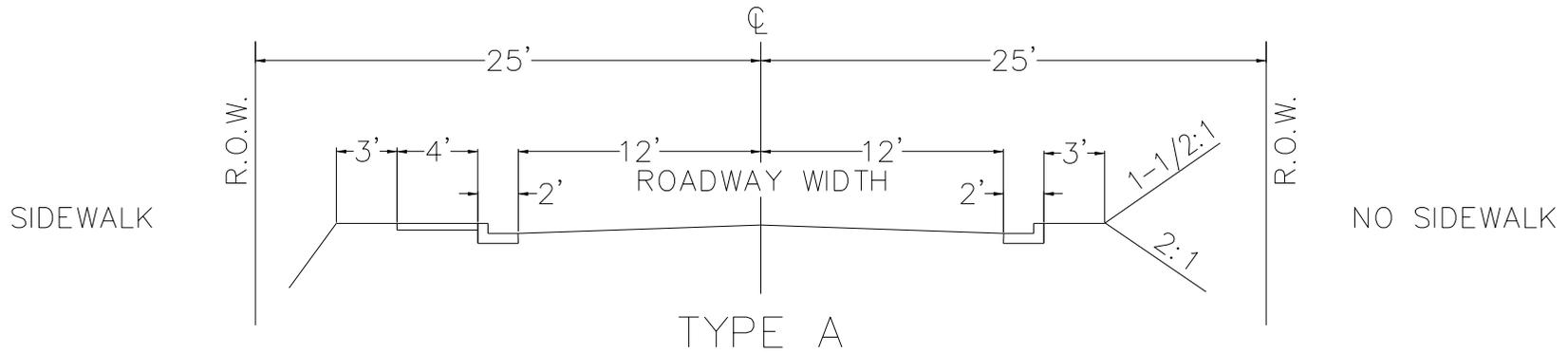
EXPANSION JOINT



CONTRACTION JOINT

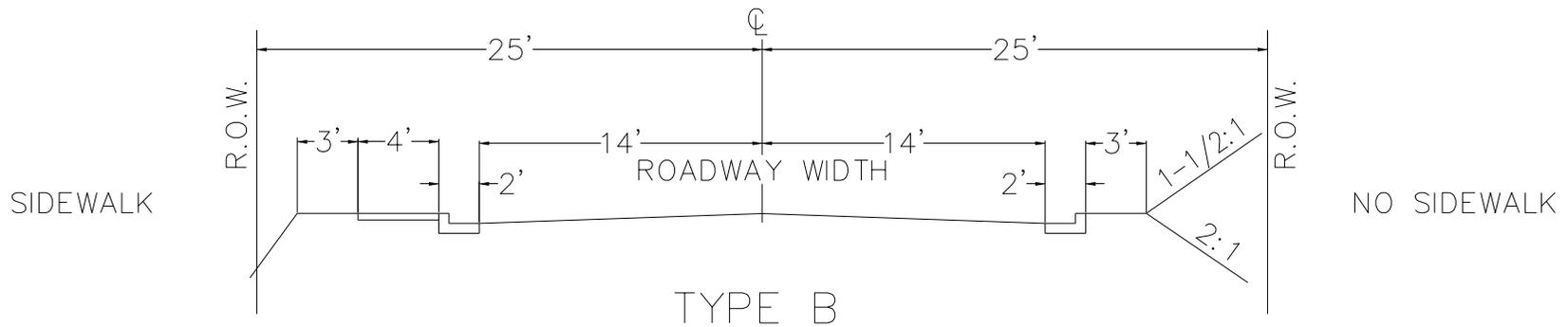
DETAIL NO. 230*	YAG STANDARD DETAIL	SIDEWALKS	DETAIL NO. 230*
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CURBED STREETS



NOTE: PAVEMENT THICKNESS TO BE BASED UPON SOILS ANALYSIS

NOTE: WHEN ROLL TYPE CURB & GUTTER IS USED TOP OF CURB IS 0.01' HIGHER THAN CENTERLINE OF PAVEMENT

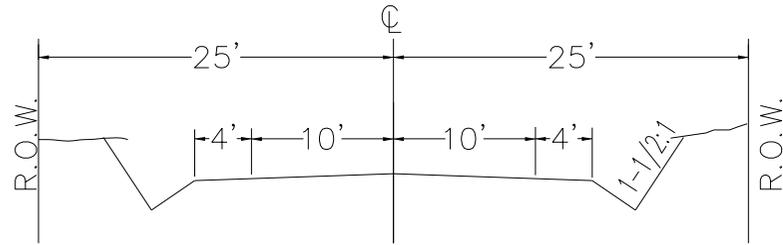


NOTE: PAVEMENT THICKNESS TO BE BASED UPON SOILS ANALYSIS

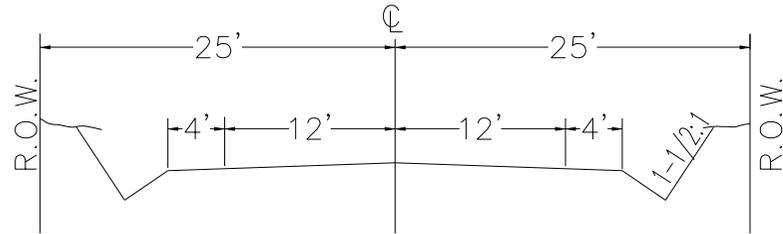
NOTE: WHEN ROLL TYPE CURB & GUTTER IS USED TOP OF CURB IS 0.01' HIGHER THAN CENTERLINE OF PAVEMENT

DETAIL NO. 2-30A*	YAG STANDARD DETAIL	CURBED STREET STANDARDS	DETAIL NO. 2-30A*
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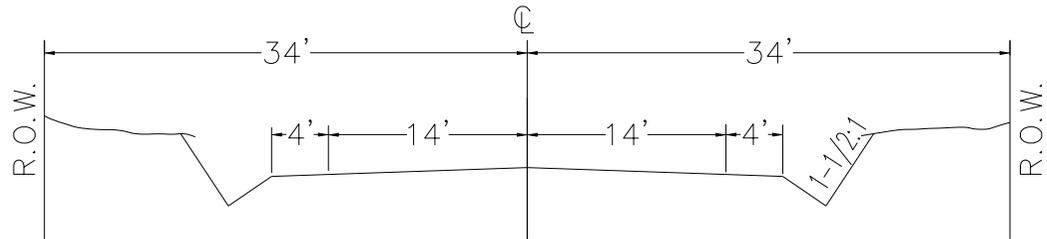
NONCURBED STREETS



TYPE A



TYPE B



TYPE C

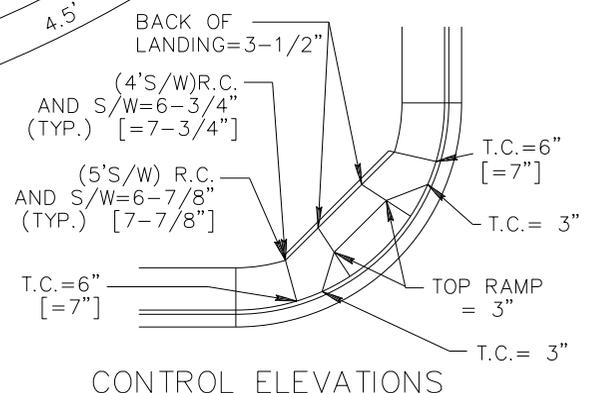
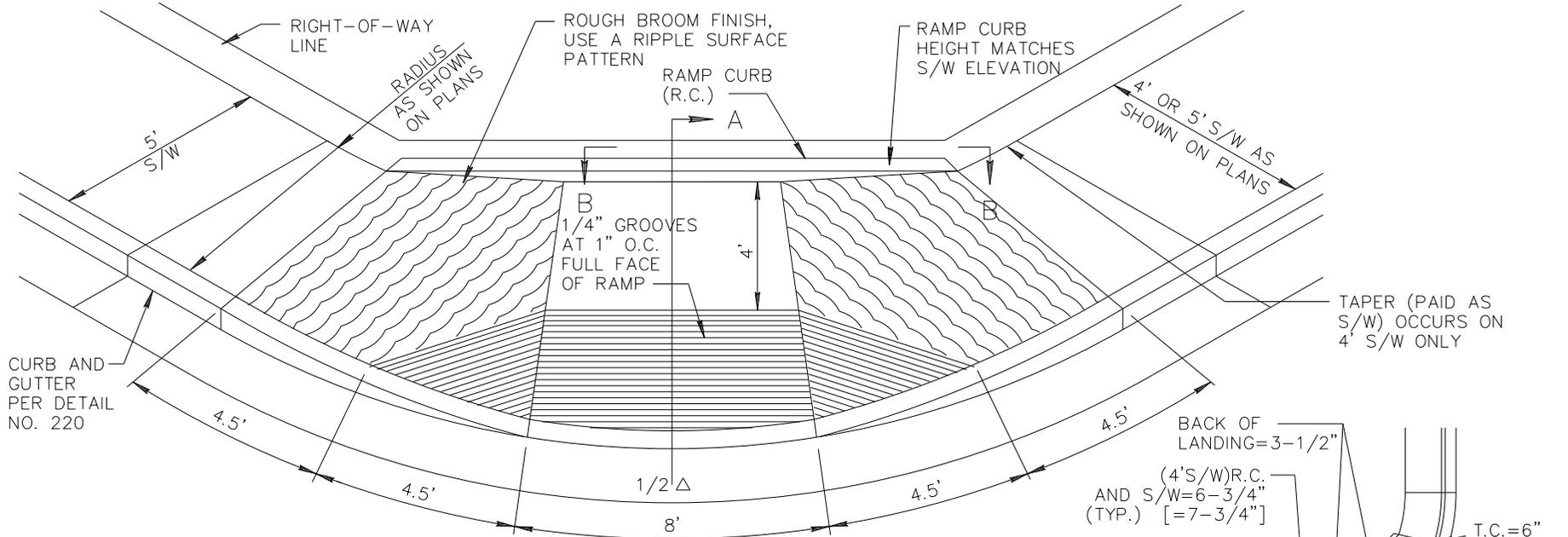
NOTE: PAVEMENT THICKNESS TO BE BASED UPON SOILS ANALYSIS

DETAIL NO.
2-30C*

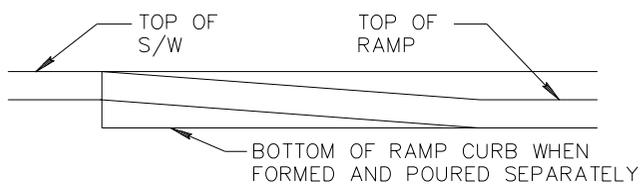
YAG STANDARD DETAIL

NONCURBED STREET STANDARDS

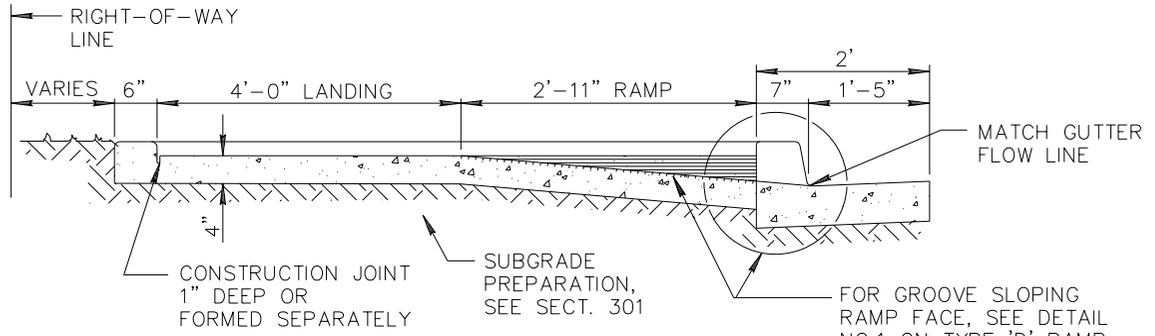
DETAIL NO.
2-30C*



- NOTES:**
- CONTROL ELEVATIONS SHOWN ARE IN RELATION TO THE GUTTER AND ARE LOCATED RADIALLY. GUTTER ELEVATION=0.
 - CLASS 'A' CONCRETE CONSTRUCTION AS PER SECTION 725.
 - WHEN CURB HEIGHTS OF 7" ARE SHOWN ON PLANS, USE DIMENSIONS SHOWN IN []'S.



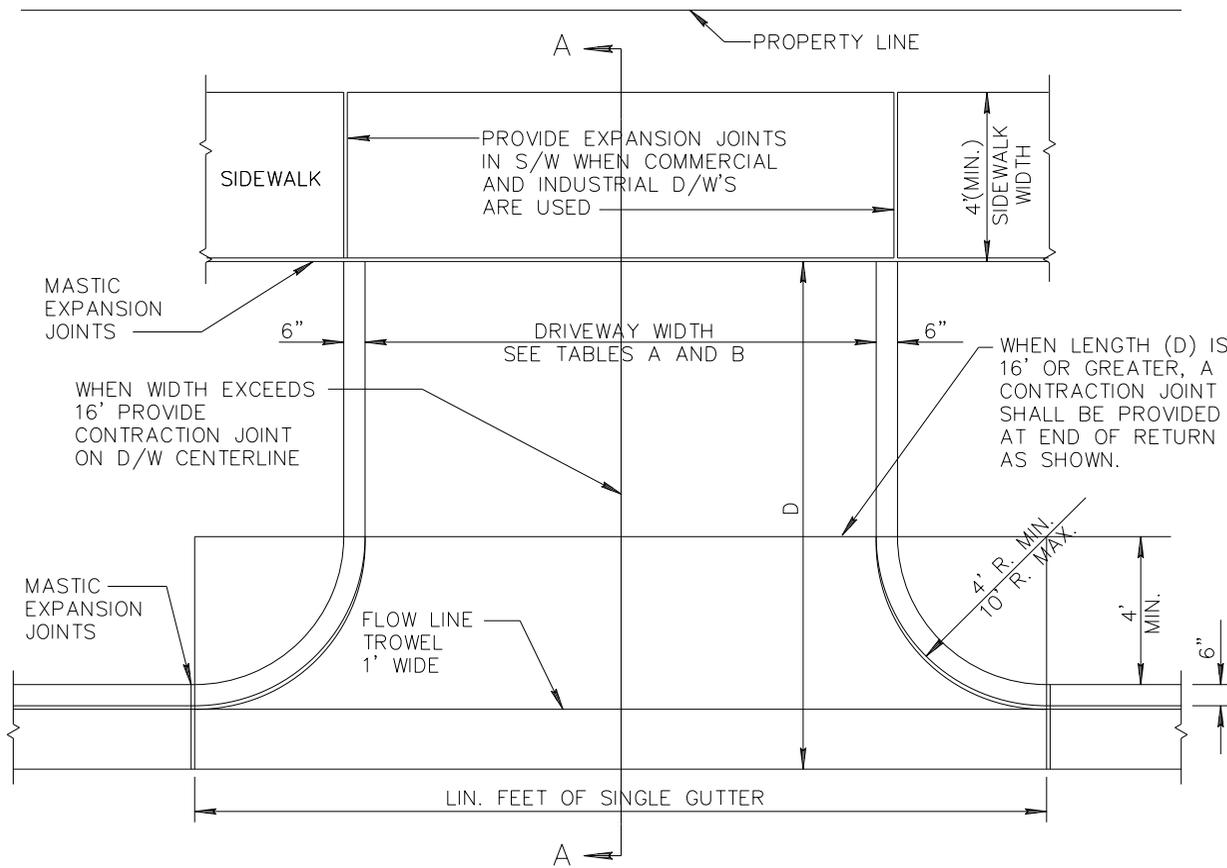
SECTION B-B



SECTION A-A

CONTROL ELEVATIONS

DETAIL NO. 231*	YAG STANDARD DETAIL	SIDEWALK RAMPS - TYPE 'A'	DETAIL NO. 231*
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ZONING	DRIVEWAY WIDTH	
	MIN.*	MAX.
COMMERCIAL	16'	40'
INDUSTRIAL	16'	40'

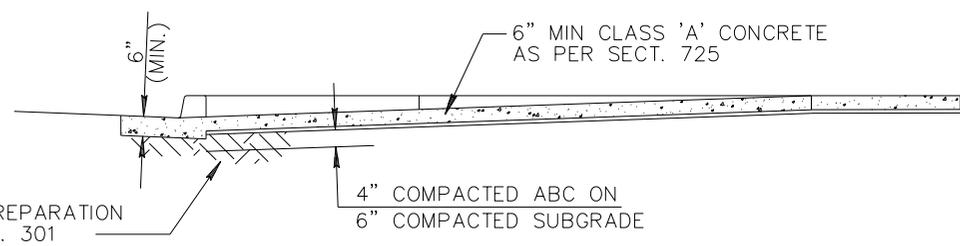
* 24' WHERE 2-WAY TRAFFIC IS ANTICIPATED

ZONING	DRIVEWAY WIDTH	
	MIN.*	MAX.
RESIDENTIAL	16'	30'
MAJOR STREET	12'	30'
COLLECTOR STREET	12'	30'
LOCAL STREET	12'	30'

* 16' WIDTH IS DESIRABLE

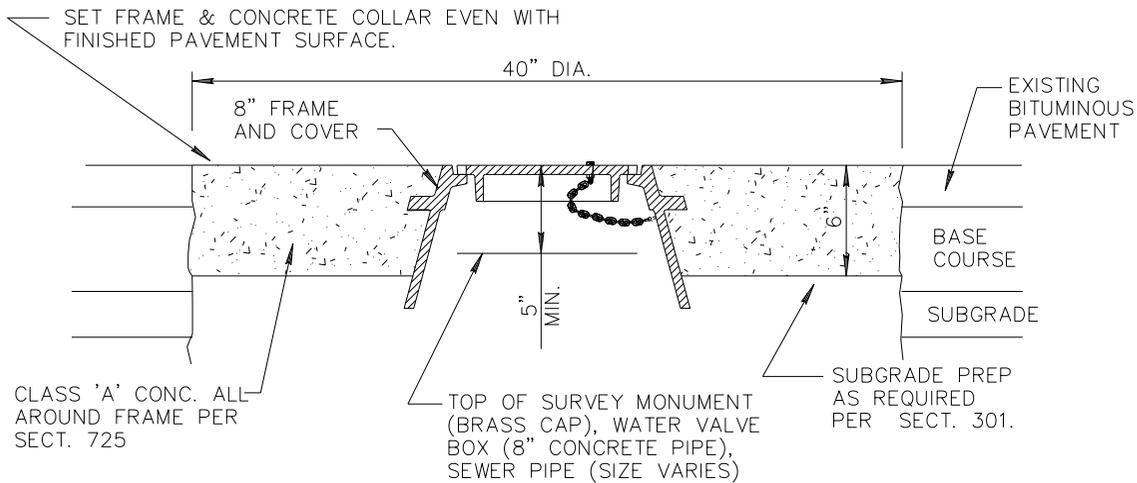
NOTES:

- EXPANSION JOINT FILLER SHALL BE 1/2" BITUMINOUS TYPE PREFORMED EXPANSION JOINT FILLER, A.S.T.M. D-1751.
- THIS TYPE D/W TO BE USED ONLY UPON APPROVAL OF ENGINEER.
- SUBGRADE TO BE COMPACTED TO 95% OF MAXIMUM AS PER SECT. 301. MOISTURE CONTENT TO BE 2% OVER OPTIMUM IN COHESIVE SOILS.



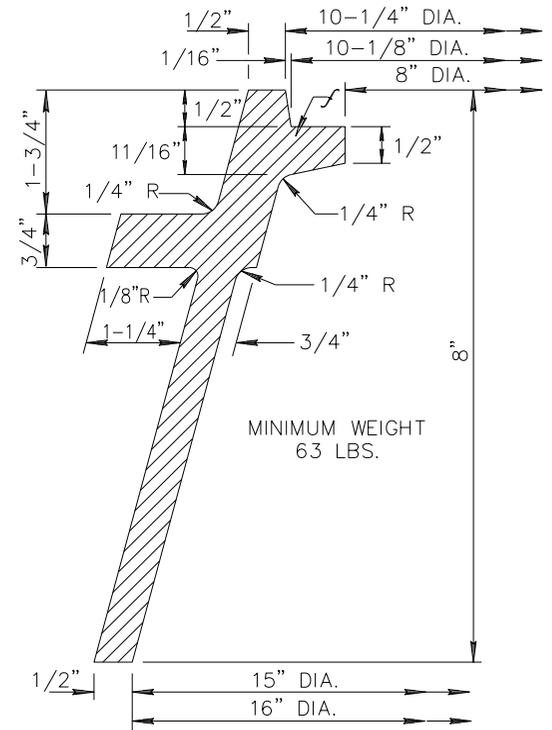
SECTION A-A

DETAIL NO. 251*	YAG STANDARD DETAIL	RETURN TYPE DRIVEWAYS	DETAIL NO. 251*
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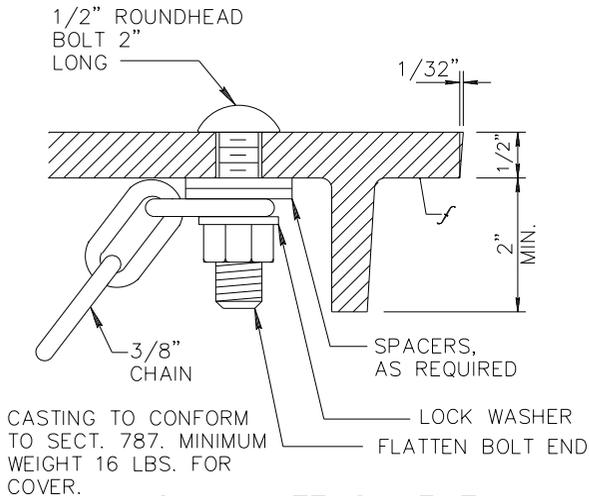
COMPACTION TO CONFORM TO SECT. 301 OR 601.

WATER VALVE, SURVEY MONUMENT, OR SEWER CLEAN OUT FRAME AND GRADE ADJUSTMENT

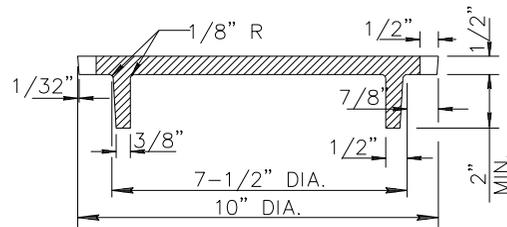


8" C.I. FRAME AND COVER

LETTERS ON COVER TO BE AS FOLLOWS: "SEWER", "WATER", OR "SURVEY" AS DIRECTED. TOTAL WIDTH OF WORD "SEWER" OR "WATER" 3-3/4". TOTAL WIDTH OF WORD "SURVEY" 4-1/2". LETTER SIZE 5/8" X 3/4", RAISED 1/16" ABOVE LEVEL OF COVER, TYPE OF LETTERS TO BE SUBMITTED FOR APPROVAL.

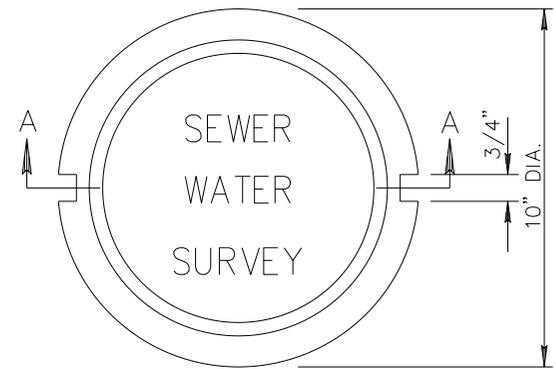


CHAIN ATTACHMENT
(AS REQUIRED)



COVER SECTION A-A

DETAIL TYPICAL FOR BOTH FRAME AND COVER



DETAIL NO.

270*

YAG STANDARD DETAIL

FRAME AND COVER

DETAIL NO.

270*

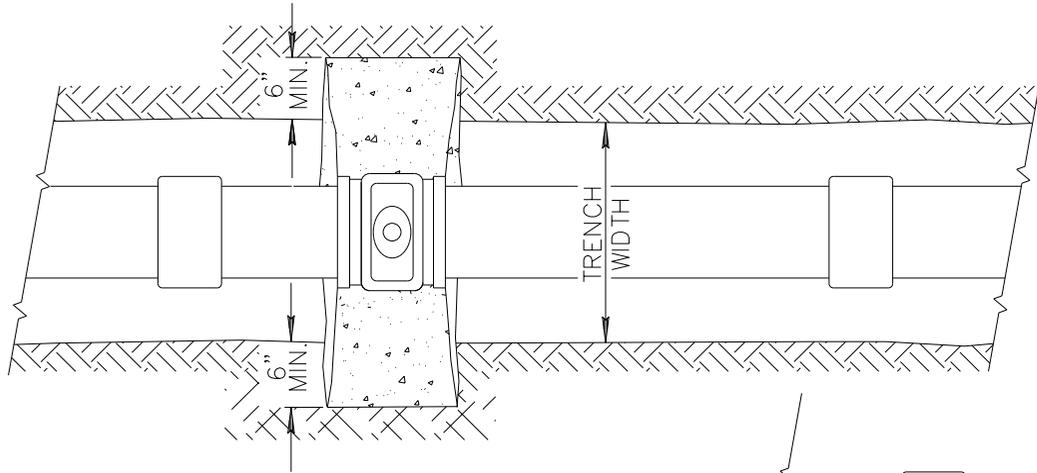
1. All construction to conform to Specifications and Details, latest revisions, unless modified on the plans.
2. "Agency" Engineering Department permit will be required for all off-site construction and construction within public easements.
3. It is the sole responsibility of the contractor to obtain, at his own expense, permits from the appropriate agency.
4. Approval by the "Agency" Engineer means for General Layout in right-of-way only.
5. The Engineering Department shall be notified 24 hours prior to beginning any construction.
6. Work performed without the approval of the "Agency" Engineer and/or all work materials not in conformation with the plans and specifications is subject to removal and replacement at the contractor's expense.
7. No job will be considered complete until all curbs, pavement and sidewalks have been swept clean of all dirt and debris.
8. The contractor shall keep suitable equipment on hand at the job site for maintenance dust control, and shall control dust as directed by the appropriate agencies.
9. A thorough attempt has been made to show the locations of all underground obstruction and utility lines in the work area; however, the contractor shall be responsible for any damage to obstructions and utility lines encountered during construction, and shall determine the exact location of utilities in advance of trenching. The engineer and/or developer will not guarantee any elevations or locations of existing underground utilities shown on these plans.
10. All frames, covers, valve boxes, manholes, etc., shall be adjusted to finished asphalt grade after placement of surface course and prior to chip seal by the contractor as per "Agency" Standard Detail 4-05.
11. The contractor shall be responsible for coordinating the relocation of all utilities, power poles, etc., that may be necessary.
12. Base course will not be placed on subgrade until subgrade requirements have been completed and accepted by the "Agency" Engineer.
13. No paving construction shall be started until all underground utilities within the roadway prism are completed.
14. The contractor is required to contact Blue Stake two working days (48 hours) prior to commencement of construction (1-800-STAKE IT).
15. All obstructions in right-of-way shall be removed before any construction is permitted.
16. Any quantities shown on plans are not verified by the "Agency" Engineer.
17. Backfill compaction shall be Type 1 unless otherwise noted. (MAG. 601)
18. All A.C. shall be C-3/4" as per applicable M.A.G. Specifications as amended by the "Agency". Mix design shall be submitted prior to start of construction.
19. Pavement shall include a Chip Seal Coat per MAG Section 330. Chip seal shall be Y.A.G. Standard 3/8" chips.
20. All plans signed by the "Agency" Engineer in charge are null and void one year from date of signature if construction has not started.
21. Project Engineer shall be responsible for submitting to the "Agency" Engineer for approval, traffic control plans which shall be made a part of the plan review request.
22. All CMP culverts shall be 14 gauge min.
23. Contractor/Developer shall warrant all work for a minimum of a two-year period.

DETAIL NO.
2-A

YAG STANDARD DETAIL

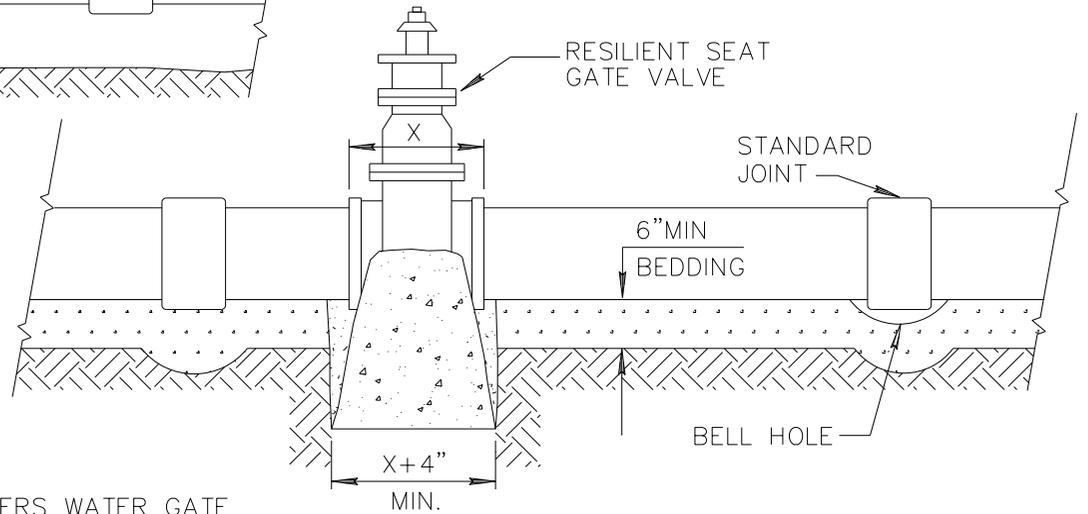
PAVING PLAN GENERAL NOTES

DETAIL NO.
2-A



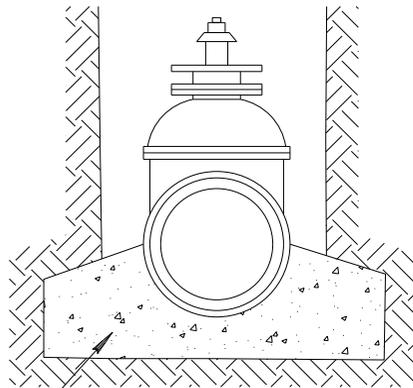
NOTE:

WRAP ALL JOINTS WITH
8 MIL SHEET PLASTIC



NOTE:

THIS DETAIL COVERS WATER GATE
VALVES, 4" TO 16"
INCLUSIVE, REGARDLESS OF TYPE
OF PIPE USED. LARGER LINES TO
BE DETAILED ON PLANS.
UTILIZE VALVE BOX, DETAIL 3-15



CONCRETE: CLASS "C" AS PER M.A.G. STD. SPECIFICATION 725.
FORM AS REQUIRED TO KEEP BOLTS AND JOINTS EXPOSED AND
CLEAR FROM CONCRETE.

DETAIL NO.

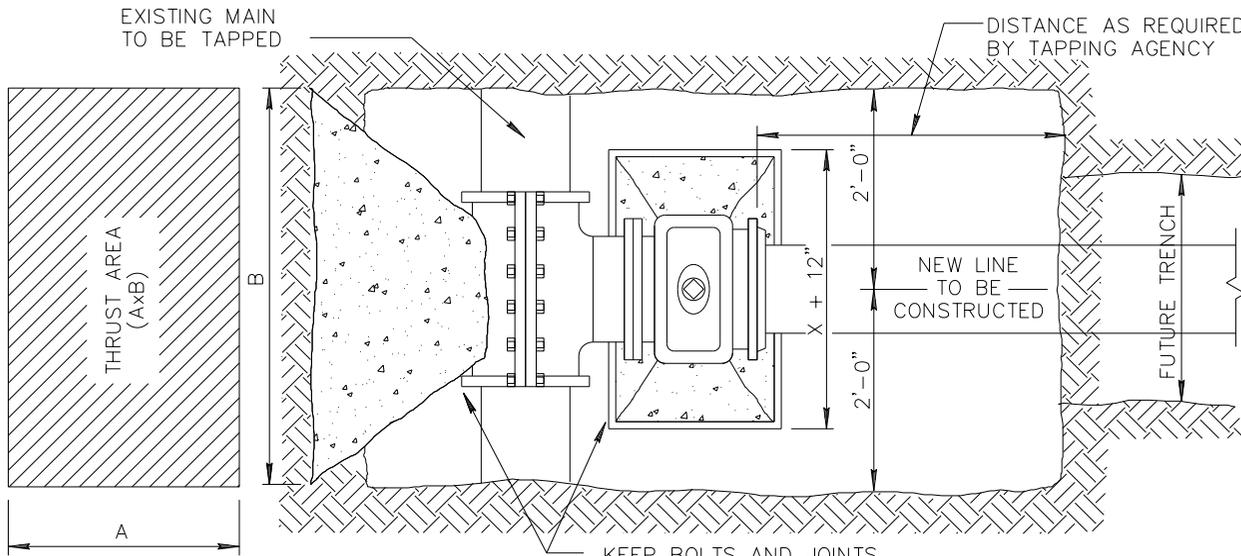
3-03*

YAG STANDARD DETAIL

BLOCKING FOR WATER GATE VALVES

DETAIL NO.

3-03*

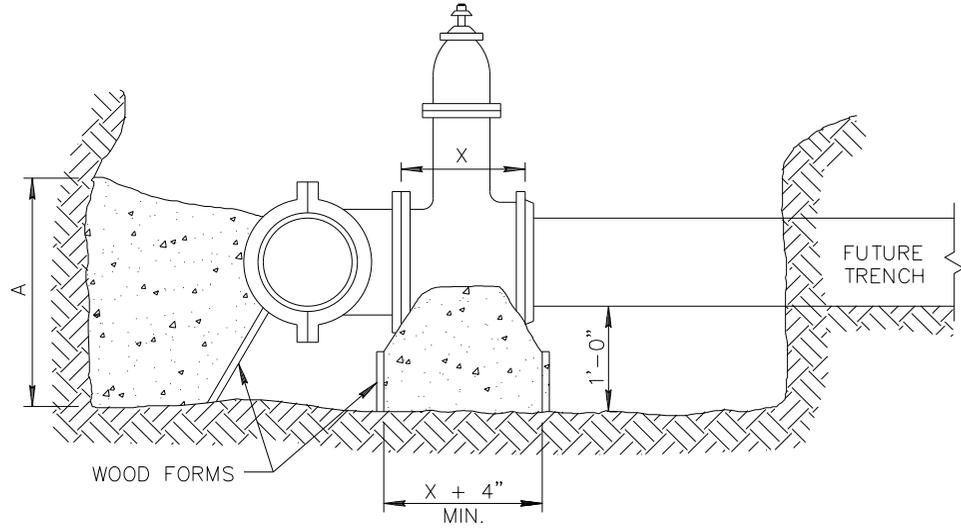


NOTES:

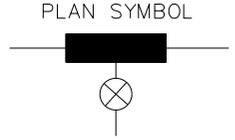
1. BLOCKING IS TO EXTEND TO UNDISTURBED GROUND.
2. ALL TAPS SHALL BE MADE BY AGENCY CREWS AT PREVAILING RATES.
3. INSTALL TEMPORARY BLOCKING UNDER VALVE BEFORE TAP IS MADE. ALL FLANGE BOLTS SHALL BE CLEAR OF FOOTING.
4. TAPPING SLEEVES ARE TO BE STAINLESS STEEL, CLASS 200 PSI.
5. INSTALLATION SHALL BE LEAK TESTED PRIOR TO TAP
6. TAPPING SLEEVE SHALL BE PLACED AT A MINIMUM OF 18" FROM ANY BELL, COUPLING, VALVE, FITTING, OR OTHER OBSTRUCTION
7. PROTECT ALL CONCRETE CONTACT AREAS WITH 8 MIL SHEET PLASTIC

CONCRETE: CLASS "C" PER SECT. 725
 NORMALLY, CURE 24 HOURS BEFORE
 BACKFILLING.

PLAN



ELEVATION

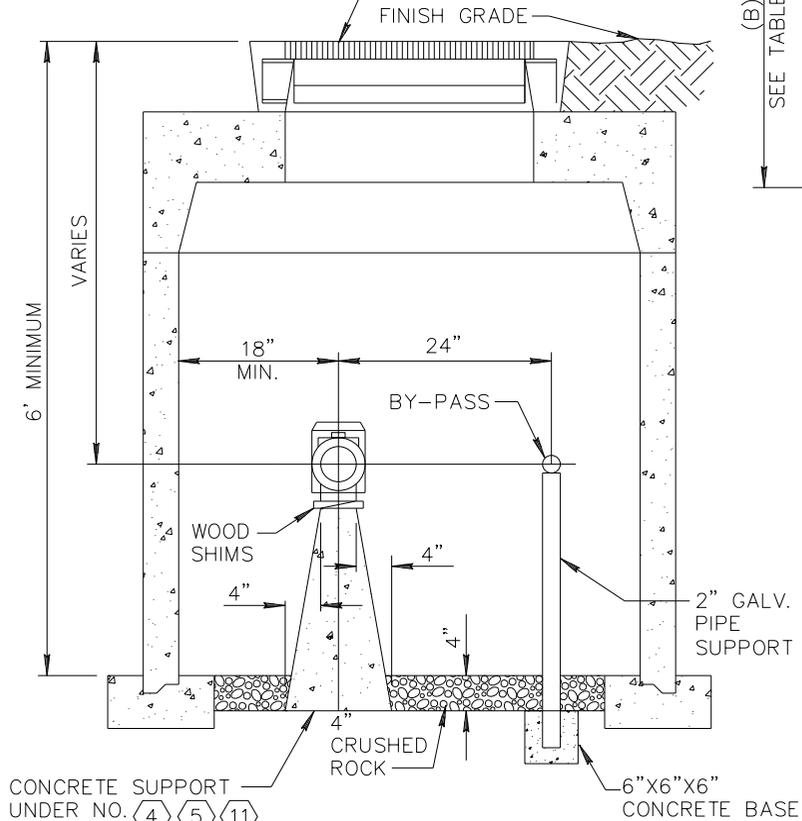


SIZE OF PIPE BEING CONNECTED	MINIMUM THRUST AREA REQUIRED EQUALS (AxB)
4" AND LESS	3 SF
6"	4 SF
8"	6 SF
10"	9 SF
12"	13 SF
15"	23 SF

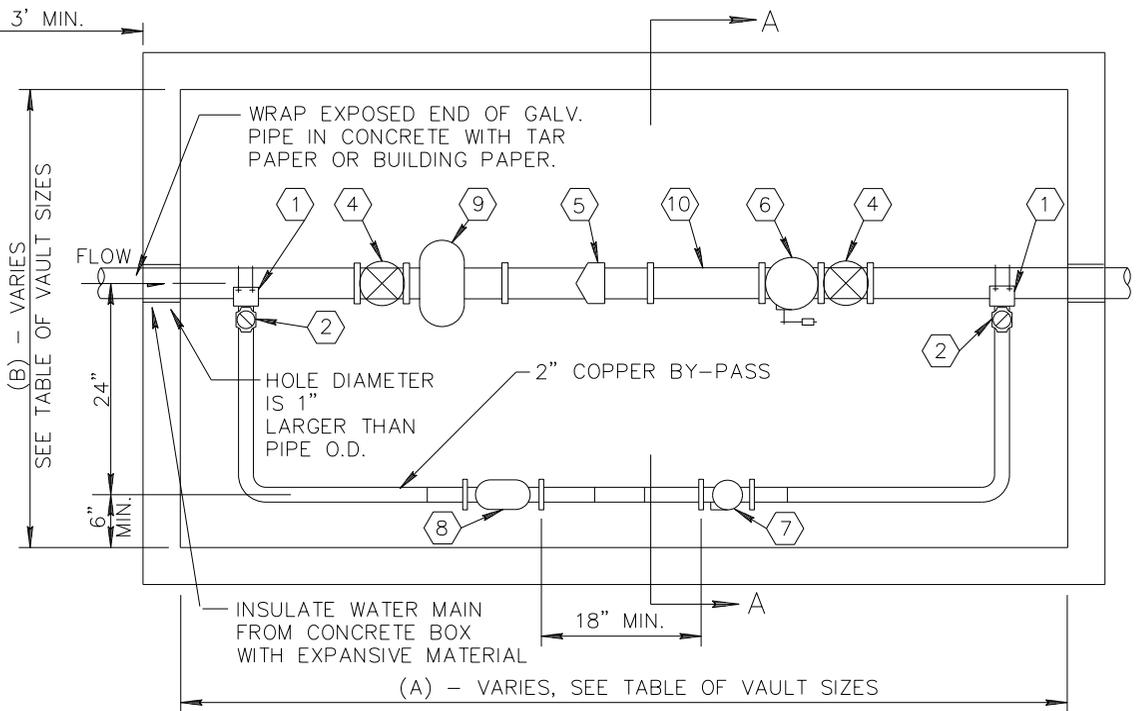
NOTES:

1. BOTH METERS SHALL HAVE REMOTE REGISTERS LOCATED TO BE READ FROM OUTSIDE OF METER VAULT. REGISTERS SHALL BE LABELED "MAIN" & "BYPASS".
2. METER VAULTS MAY BE EITHER BLOCK MASONRY OR CAST-IN-PLACE OR PRE-CAST CONCRETE, SEE M.A.G. STD. DET. 321 FOR VAULT CONSTRUCTION.
3. PLACE STEPS PER Y.A.G. 4-03*

ALUMINUM PLATE ACCESS HATCH
MINIMUM 4'x4' OPENING HINGED
WITH LOCK.



SECTION A-A



- ① DOUBLE STRAP ALL BRONZE SADDLE
- ② CORP STOP 2" BALL TYPE
- ③ FLEXIBLE COUPLING
- ④ GATE VALVE R/S FLANGED WITH HAND WHEEL
- ⑤ SENSUS COMPOUND WITH REMOTE READ
- ⑥ FLANGED CHECK VALVE WITH EXTERNAL LEVER & WEIGHT
- ⑦ 2" BRONZE CHECK VALVE
- ⑧ 2" BYPASS METER SENSUS TURBOMETER
- ⑨ STRAINER REQUIRED ONLY WHEN TURBINE METER USED
- ⑩ FLANGED SPOOL (MIN. 3 PIPE DIAMETERS IN LENGTH)
- ⑪ 2" THREADED

VAULT DIMENSION DETAILS			
METER SIZE	3"	4"	6"
(A)	8'4"	10'-6"	12'
(B)	4'-4"	5'	5'

DETAIL NO.
3-06*

YAG STANDARD DETAIL

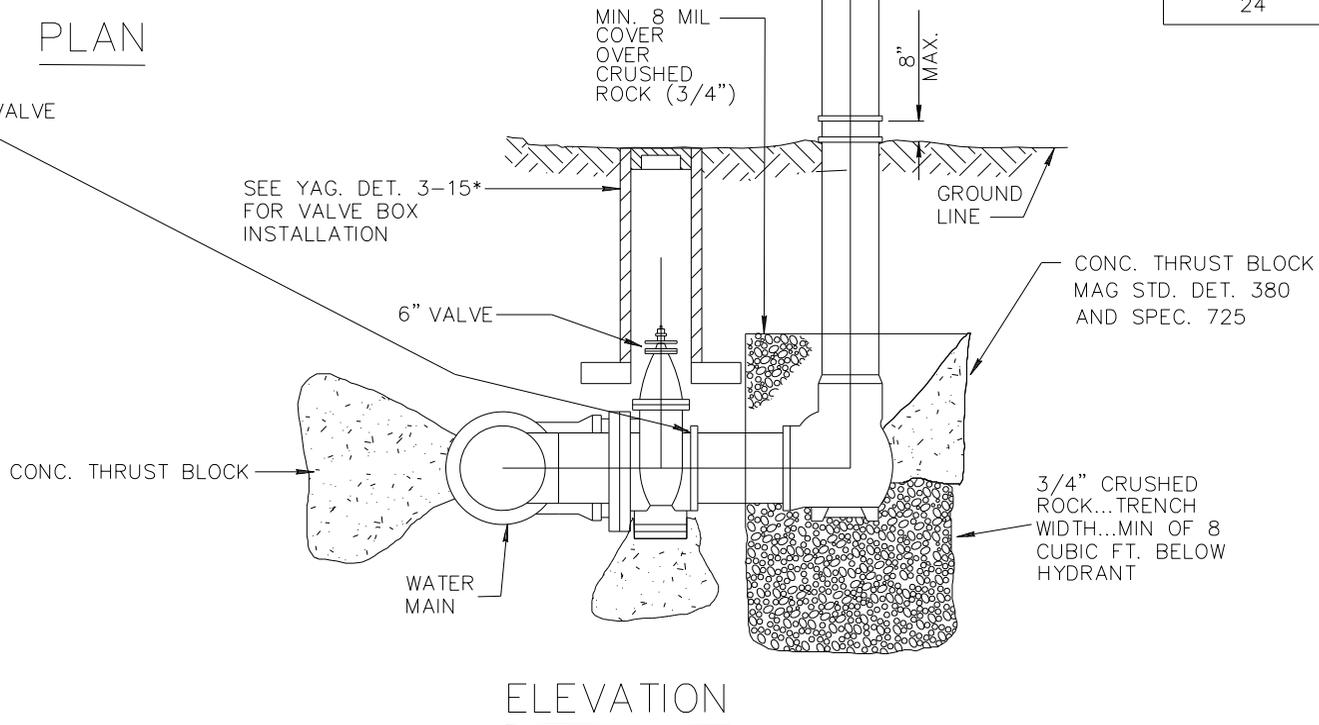
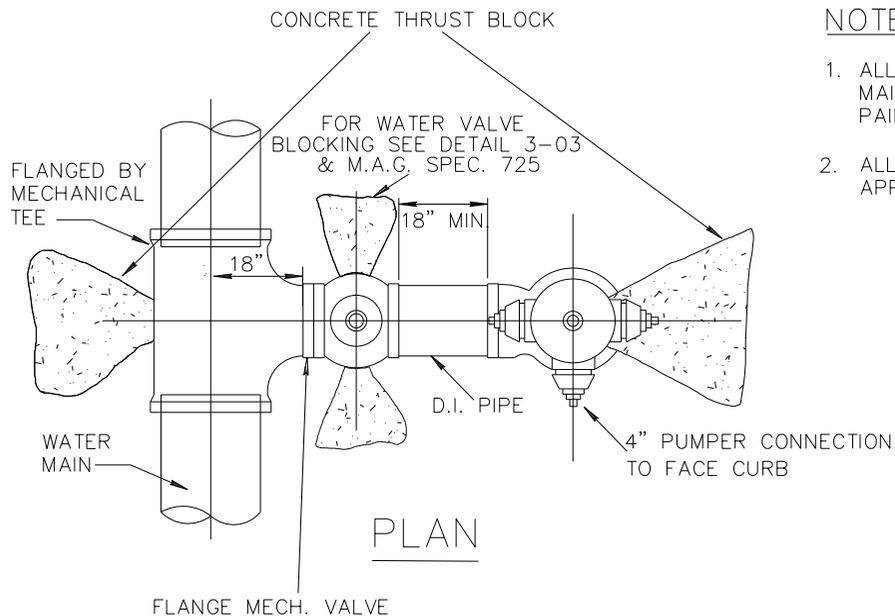
VAULT FOR 3", 4" & 6" WATER METERS

DETAIL NO.
3-06*

NOTES:

1. ALL HYDRANTS WHICH ARE PRIVATELY MAINTAINED AND OWNED ARE TO BE PAINTED RED.
2. ALL HYDRANTS TO BE WATEROUS OR APPROVED EQUAL.

SIZE OF MAIN	DIM. "X"
6"	8"
8"	9"
10"	11"
12"	12"
14"	14"
16"	15"
18"	13"
20"	14"
24"	15"

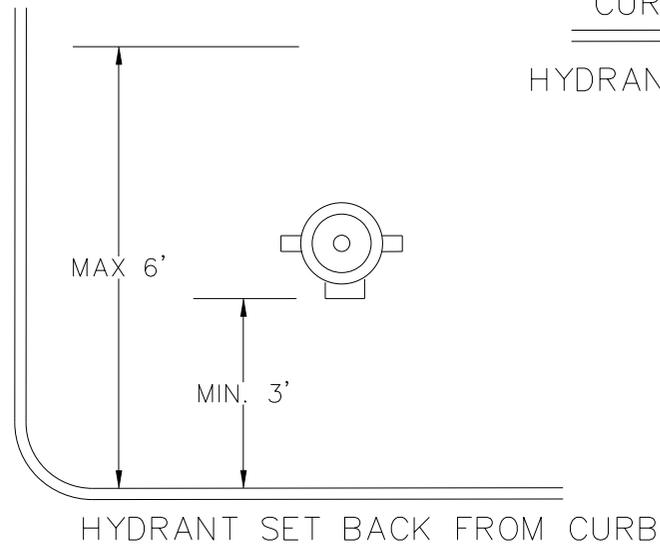
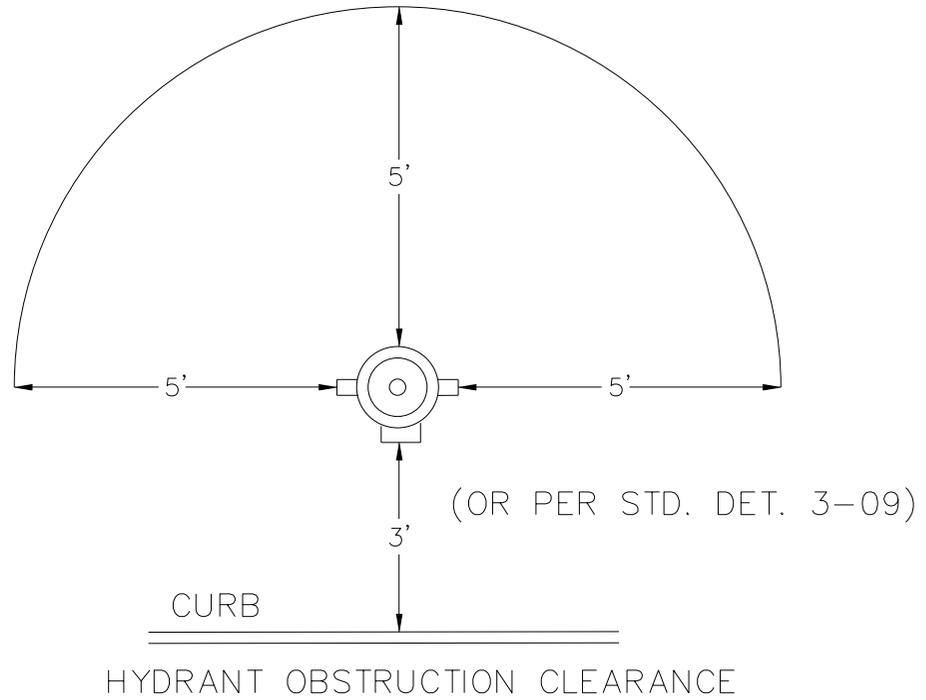
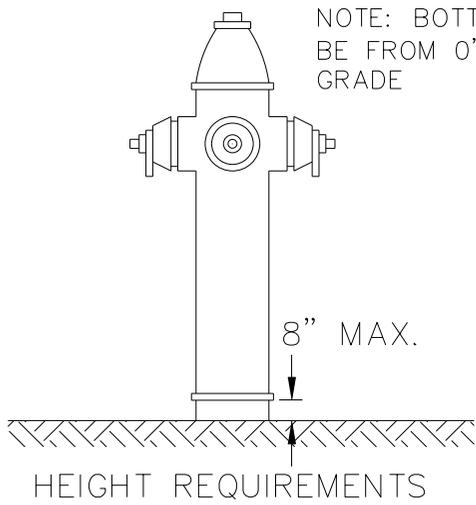


DETAIL NO.
3-07*

YAG STANDARD DETAIL

FIRE HYDRANT INSTALLATION

DETAIL NO.
3-07*



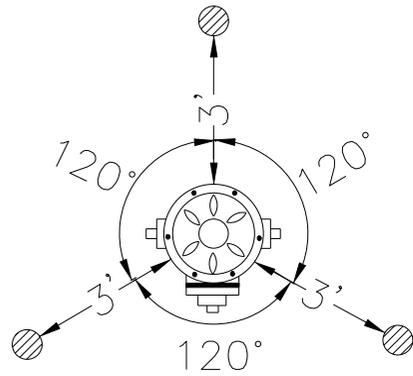
DETAIL NO.
3-08*

YAG STANDARD DETAIL

HYDRANT INSTALLATION

DETAIL NO.
3-08*

PROTECTION POLE PLACEMENT



NOTES:

1. DO NOT PLACE POLES IN FRONT OF NOZZLE.
2. POLES MAY BE CHANGED IN NUMBER AND ARRANGEMENT DEPENDING ON INDIVIDUAL NEED.
3. REQUIRED AT SPECIFIED LOCATIONS ONLY.

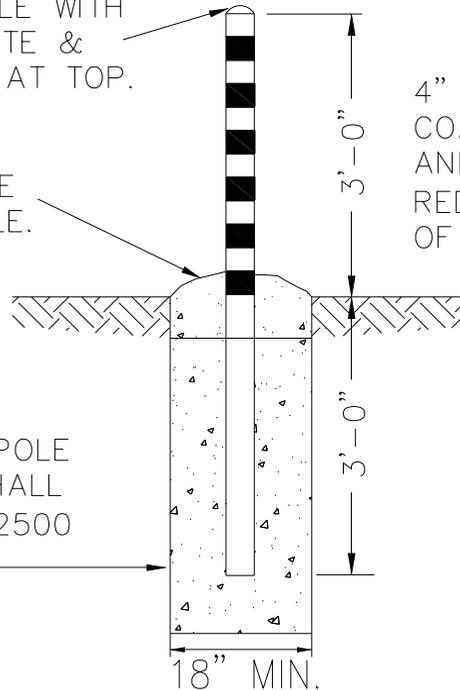
FILL POLE WITH CONCRETE & MOUND AT TOP.

SLOPE CONCRETE AWAY FROM POLE.

4" I.D. STEEL POLE. PAINT WITH ONE COAT INDUSTRIAL SYNTHETIC PRIMER AND ONE COAT INDUSTRIAL SYNTHETIC RED ENAMEL. STRIPE WITH 3" BANDS OF WHITE REFLECTORIZED PAINT.

PROTECTION POLE DETAIL

CONCRETE FOR POLE INSTALLATION SHALL BE CLASS "B" (2500 PSI)



DETAIL NO.
3-09*

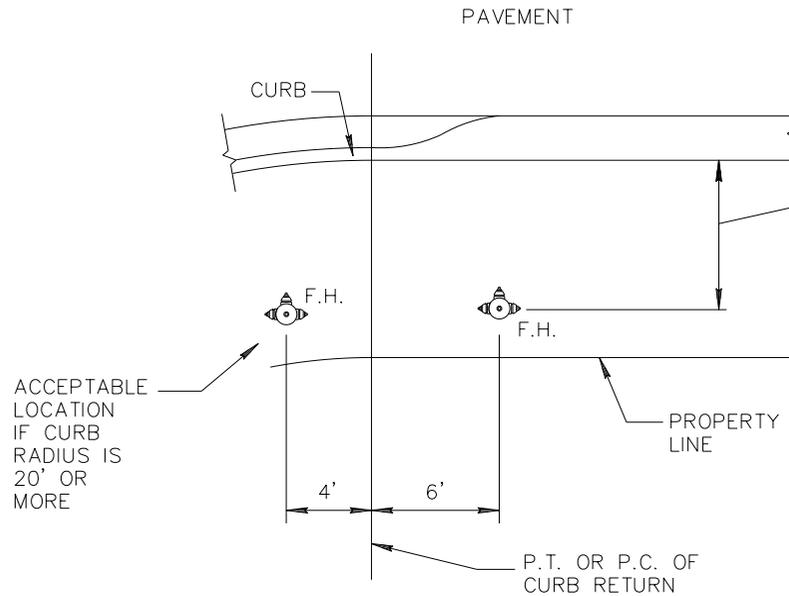
YAG STANDARD DETAIL

FIRE HYDRANT PROTECTION POLE

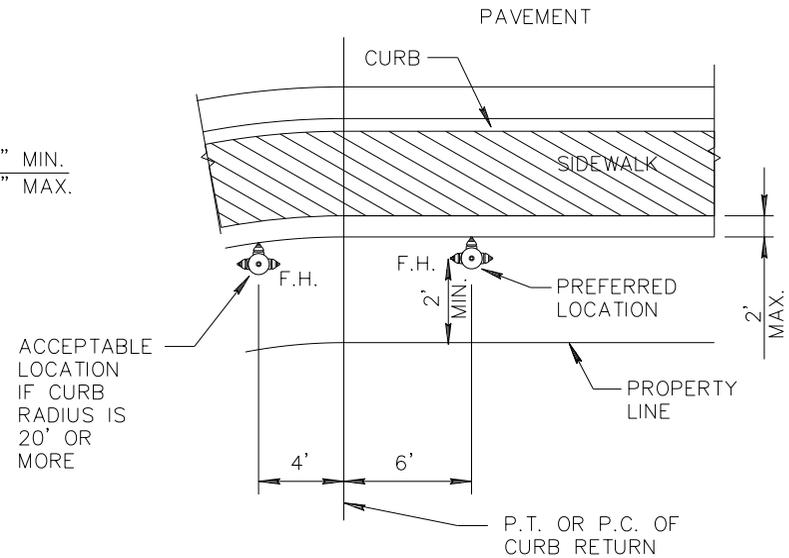
DETAIL NO.
3-09*

NOTES:

1. OBSTRUCTIONS SUCH AS UTILITY POLES, STREET SIGNS, IRRIGATION BOXES, FENCES, ETC., MUST NOT BE PLACED BETWEEN CURB AND HYDRANT
2. SOME LOCATIONS APPLY AT EITHER END OF CURB RETURNS.
3. DIMENSIONS SHOWN ON CONSTRUCTION DRAWINGS SUPERSEDE LOCATIONS SHOWN HERE.
4. ALL HYDRANTS WHICH ARE PRIVATELY MAINTAINED AND OWNED ARE TO BE PAINTED RED.



PARKWAY AREA OR NO SIDEWALK



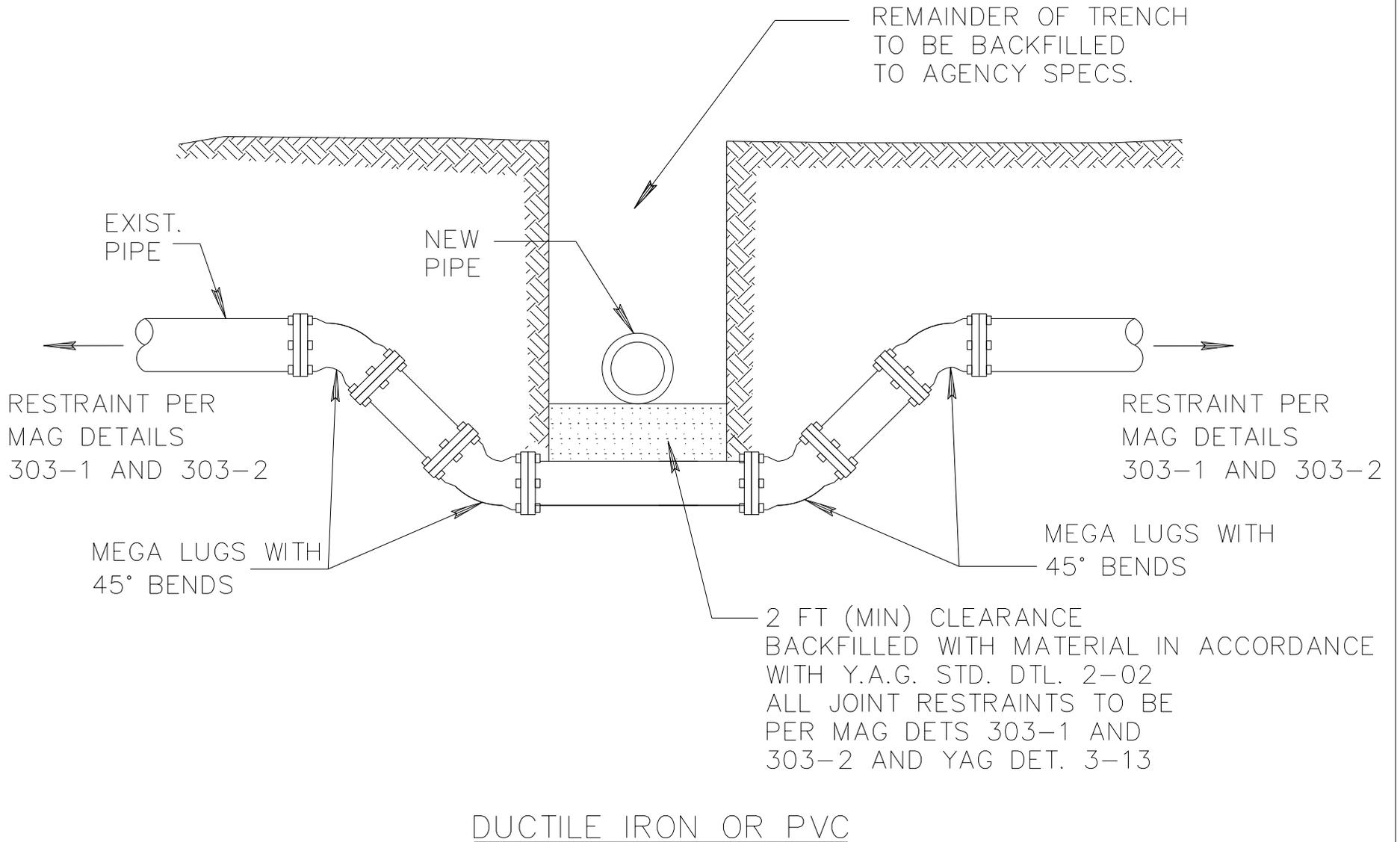
AREA WITH SIDEWALK

DETAIL NO.
3-10*

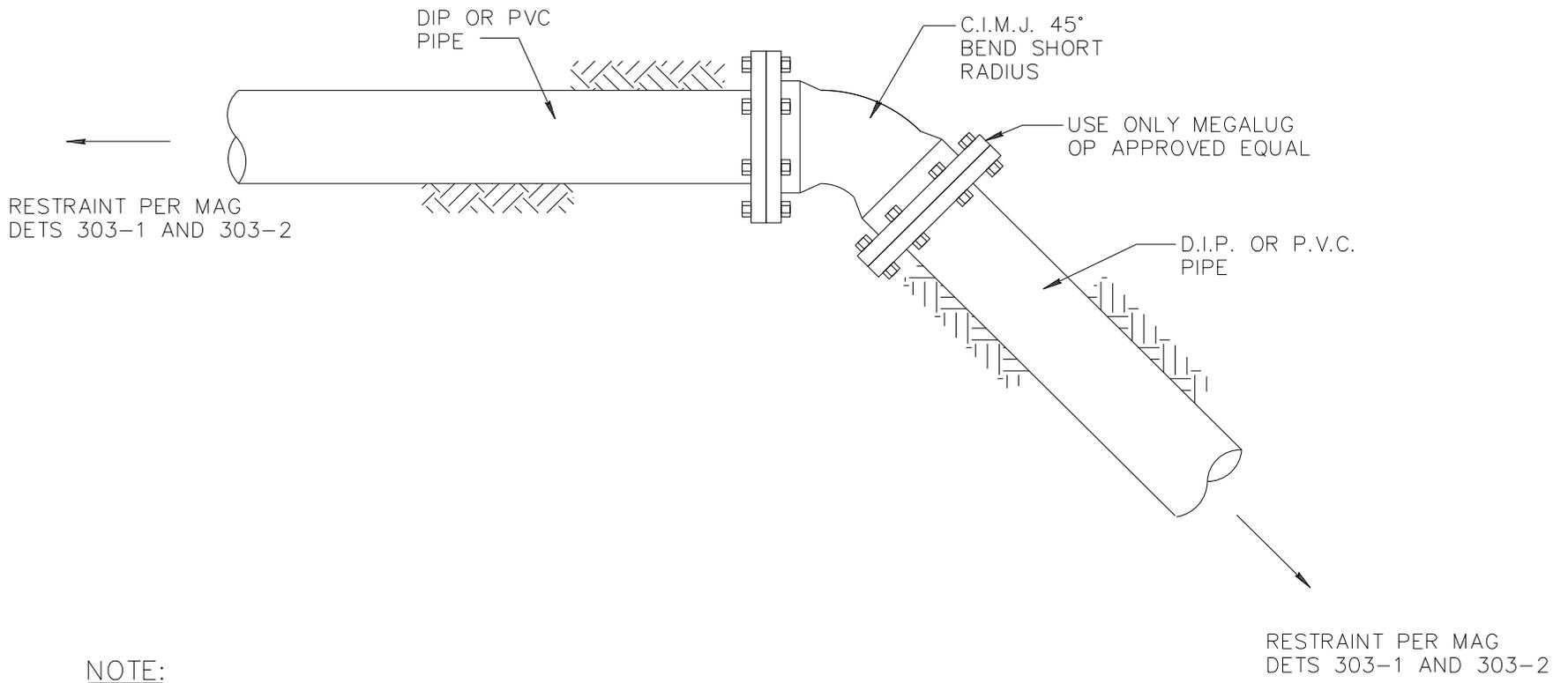
YAG STANDARD DETAIL

LOCATIONS FOR NEW FIRE HYDRANTS

DETAIL NO.
3-10*



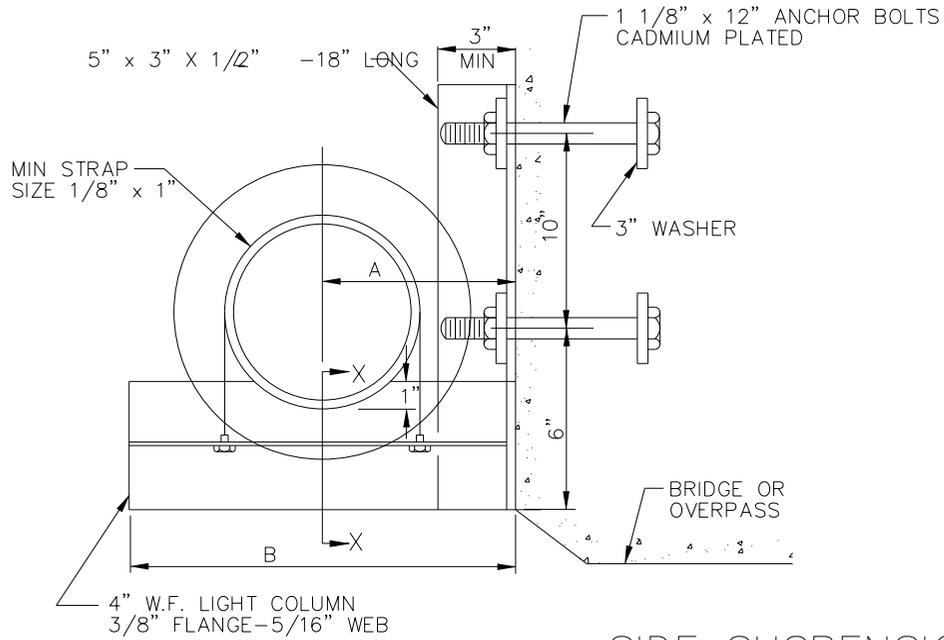
DETAIL NO. 3-11*	YAG STANDARD DETAIL	VERTICAL REALIGNMENT OF WATER MAINS	DETAIL NO. 3-11*
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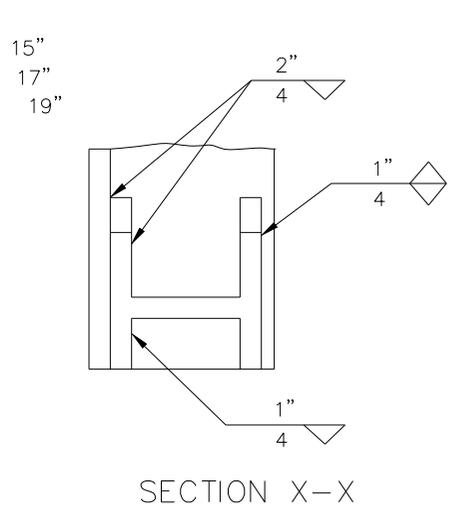
NOTE:

1. DUCTILE IRON PIPE CL350 OR PVC C-900, CL-200 MAY BE USED.

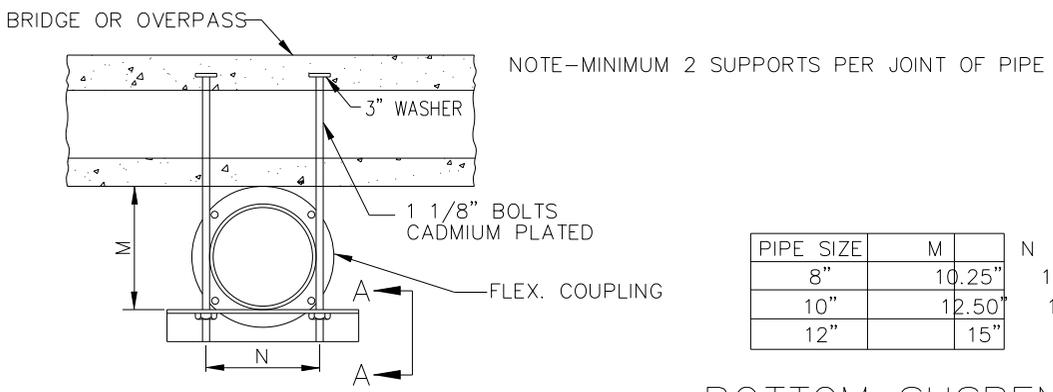
DETAIL NO. 3-13*	YAG STANDARD DETAIL	VERTICAL REALIGNMENT OF WATER MAINS	DETAIL NO. 3-13*
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PIPE SIZE	A	B
8"	8"	15"
10"	9"	17"
12"	10"	19"

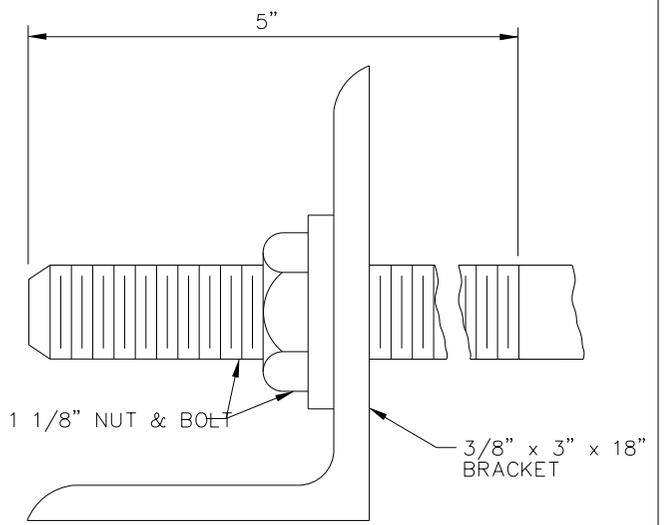


SIDE SUSPENSION



PIPE SIZE	M	N
8"	10.25"	12"
10"	12.50"	14"
12"	15"	16"

BOTTOM SUSPENSION



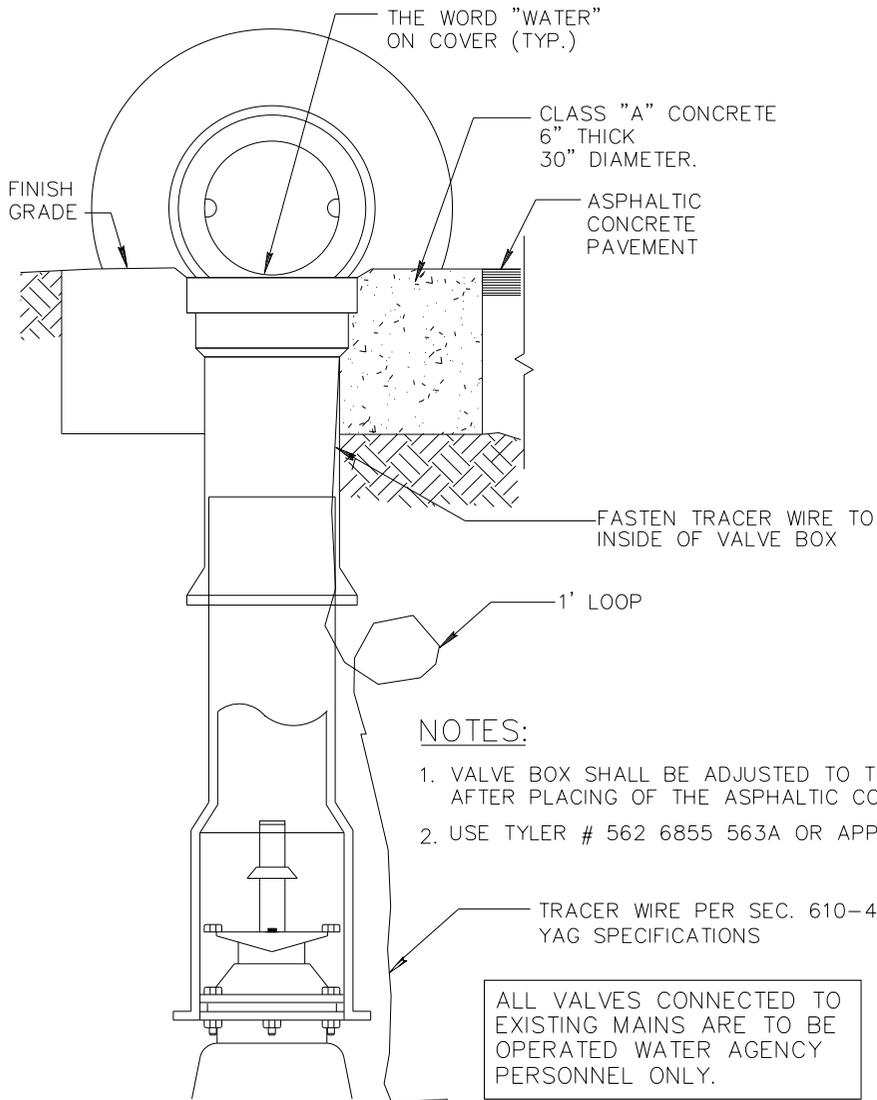
SECTION A-A

DETAIL NO.
3-14*

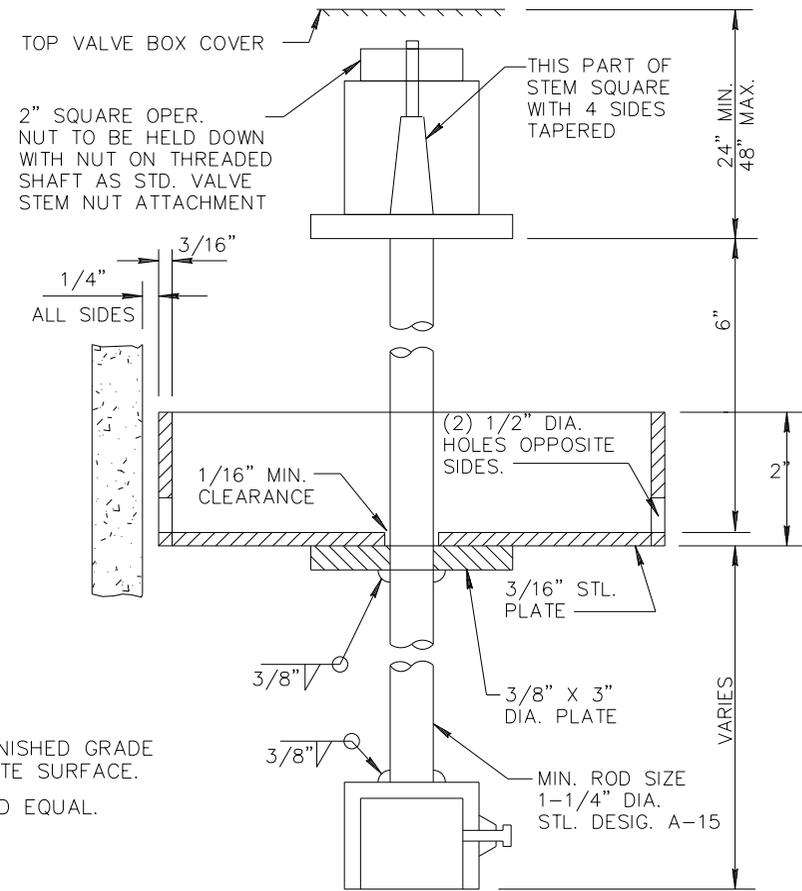
YAG STANDARD DETAIL

WATER LINE SUSPENSIONS

DETAIL NO.
3-14*



FOR DEEP VALVE SETTING



NOTES:

1. EXTENSION OF STEM SHALL BE A MAXIMUM OF 4FT. BELOW GRADE.
2. US MANUFACTURED IRON ONLY.

PAINTING:

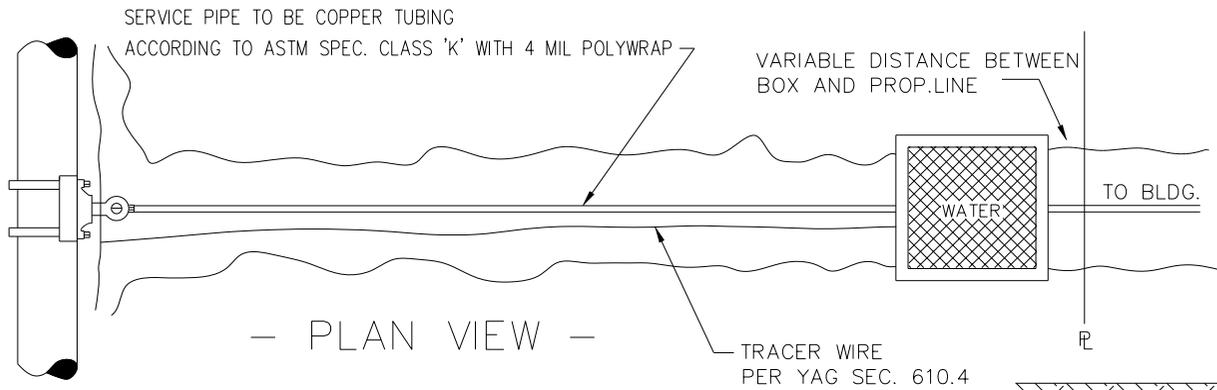
ALL STEEL TO HAVE SHOP PRIME COAT ZINC CROMATE, AND ONE HEAVY APPLICATION OF NO-OX-10 "A" IN ACCORDANCE WITH MAUFACTURER'S DIRECTION.

DETAIL NO.
3-15*

YAG STANDARD DETAIL

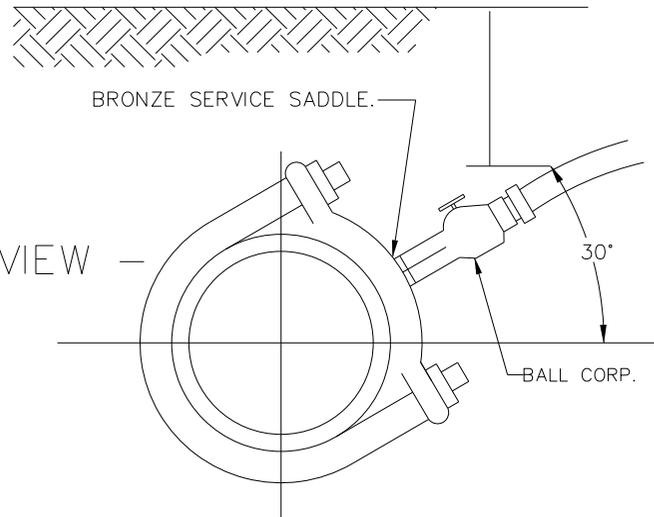
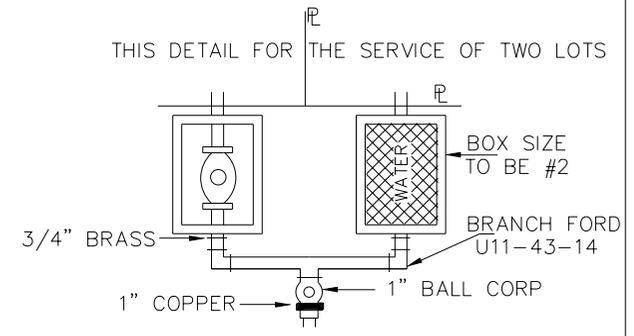
VALVE BOX

DETAIL NO.
3-15*

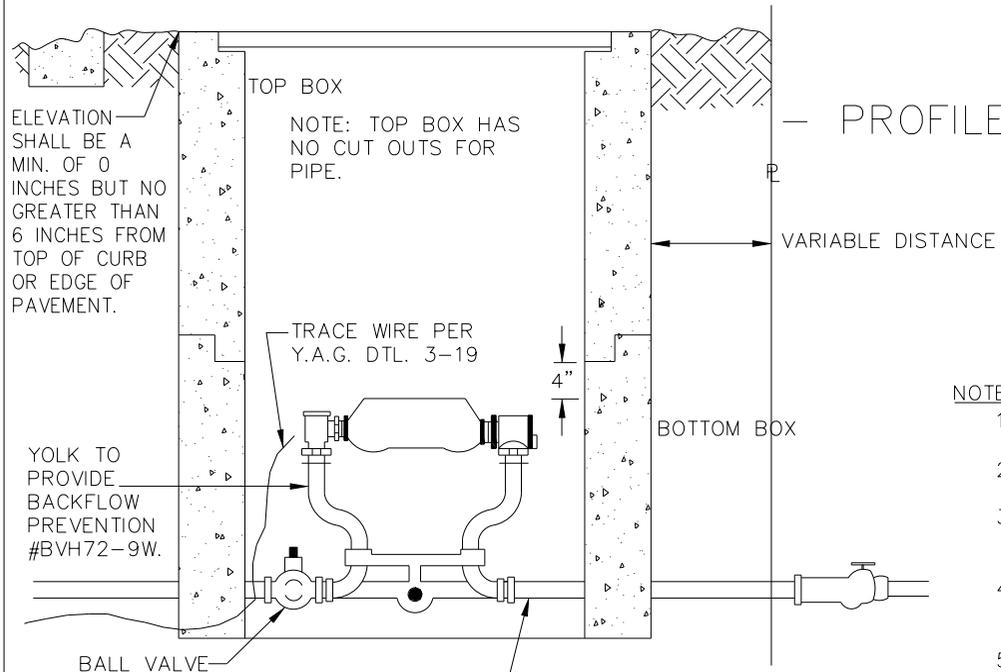


- PLAN VIEW -

8 MIL PLASTIC SHEETING SHALL BE WRAPPED AROUND SADDLE AND BALLCORP



- PROFILE VIEW -



NOTES

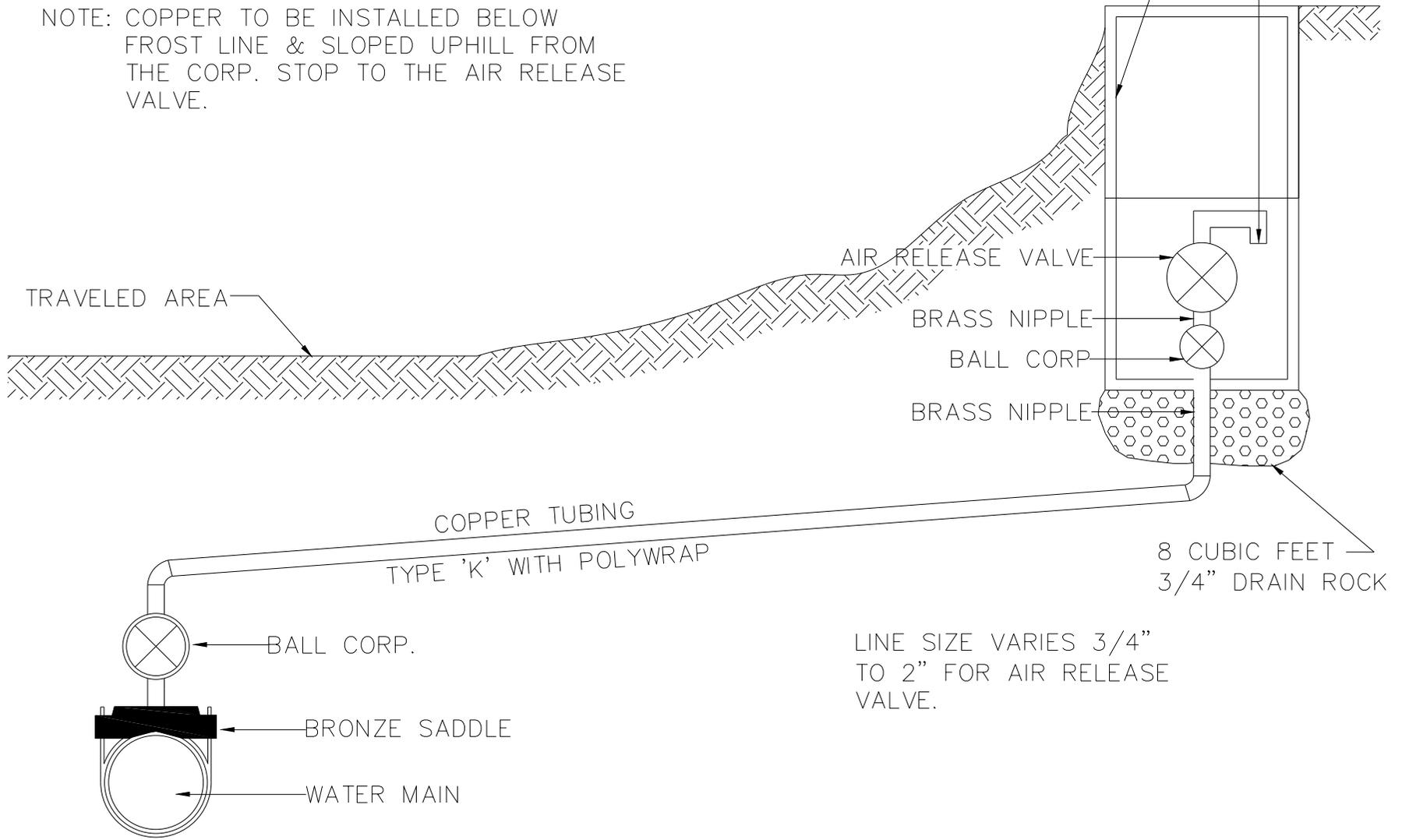
1. CORP STOP TO BE LOCATED INSIDE METER BOX, FOR ALL SIZE METERS.
2. SERVICE LINE IS TO HAVE MIN. 36" COVER.
3. SERVICE LINE SHALL BE UNSPLICED FROM CORP. STOP AT MAIN TO CORP. STOP AT METER BOX.
4. FOR CUT OR FILL SLOPE METER LOCATIONS, "HILL HUGGER" OR OTHER APPROVED METHOD SHALL BE REQUIRED FOR PROTECTION OF METER SET.
5. METER TO BE INSTALLED BY WATER AGENCY ONLY UPON PROPER APPLICATION AND PAYMENT OF PREVAILING FEES.
6. REFER TO YAG DET 2-02* FOR WATER SERVICE BEDDING AND SHADING.

DETAIL NO. 3-16*	YAG STANDARD DETAIL	WATER SERVICE CONNECTIONS	DETAIL NO. 3-16*
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NO. 16 NONCORROSIVE METAL SCREEN

NO. 2 CONVENTIONAL BOX;
EXTENSION, BOTTOM, & LID

NOTE: COPPER TO BE INSTALLED BELOW
FROST LINE & SLOPED UPHILL FROM
THE CORP. STOP TO THE AIR RELEASE
VALVE.



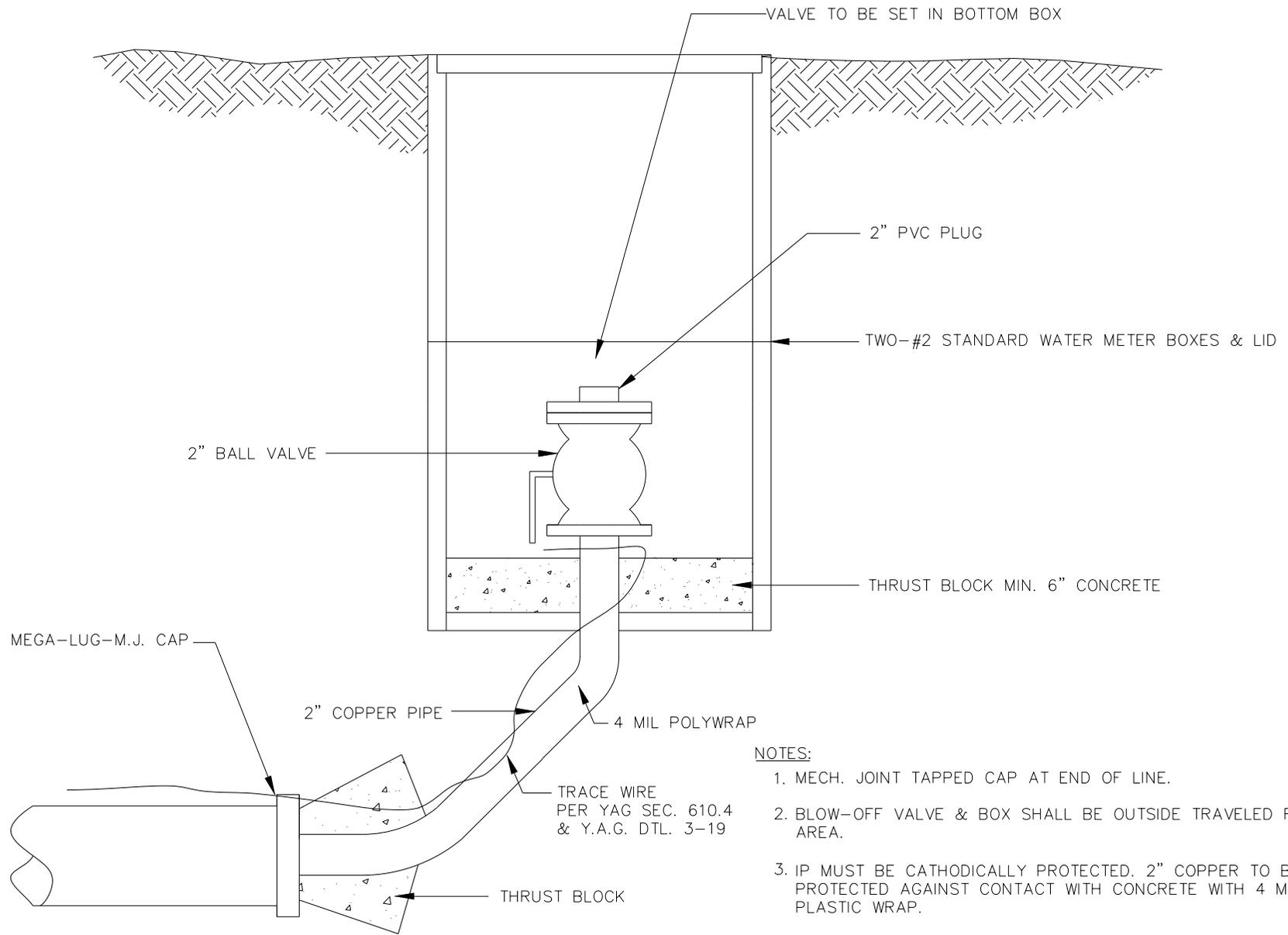
LINE SIZE VARIES 3/4"
TO 2" FOR AIR RELEASE
VALVE.

DETAIL NO.
3-17*

YAG STANDARD DETAIL

AIR RELEASE VALVE

DETAIL NO.
3-17*



NOTES:

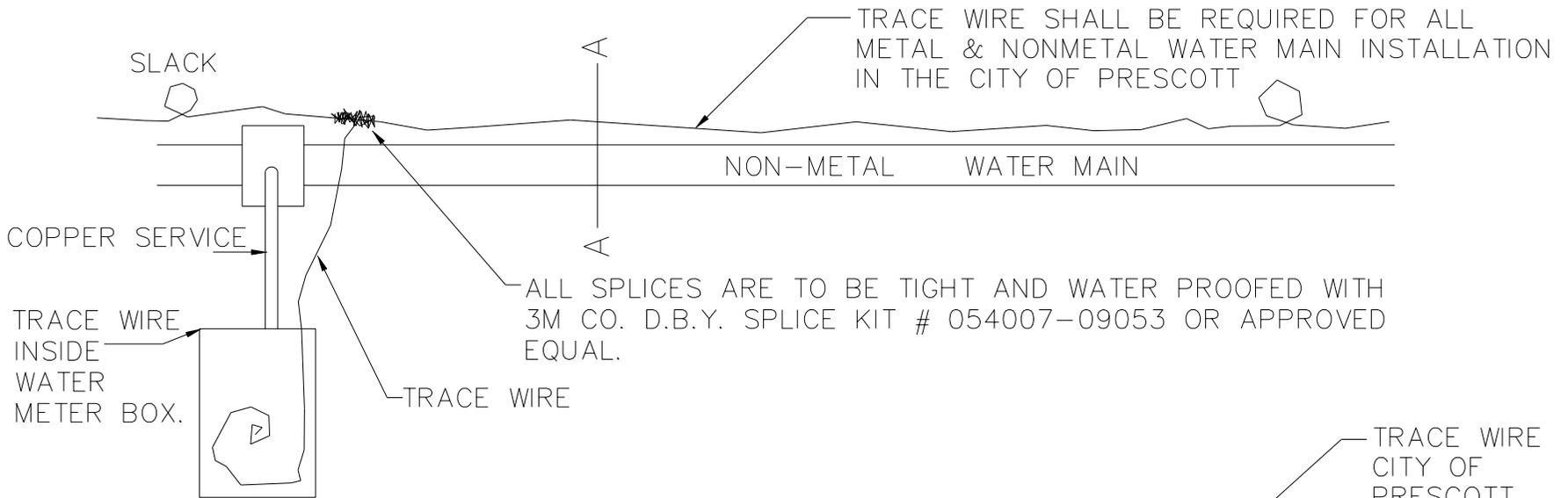
1. MECH. JOINT TAPPED CAP AT END OF LINE.
2. BLOW-OFF VALVE & BOX SHALL BE OUTSIDE TRAVELED ROAD AREA.
3. IP MUST BE CATHODICALLY PROTECTED. 2" COPPER TO BE PROTECTED AGAINST CONTACT WITH CONCRETE WITH 4 MIL PLASTIC WRAP.
4. MEGALUG CAP/PLUG MAY BE USED IN LIEU OF THRUST BLOCK.

DETAIL NO.
3-18*

YAG STANDARD DETAIL

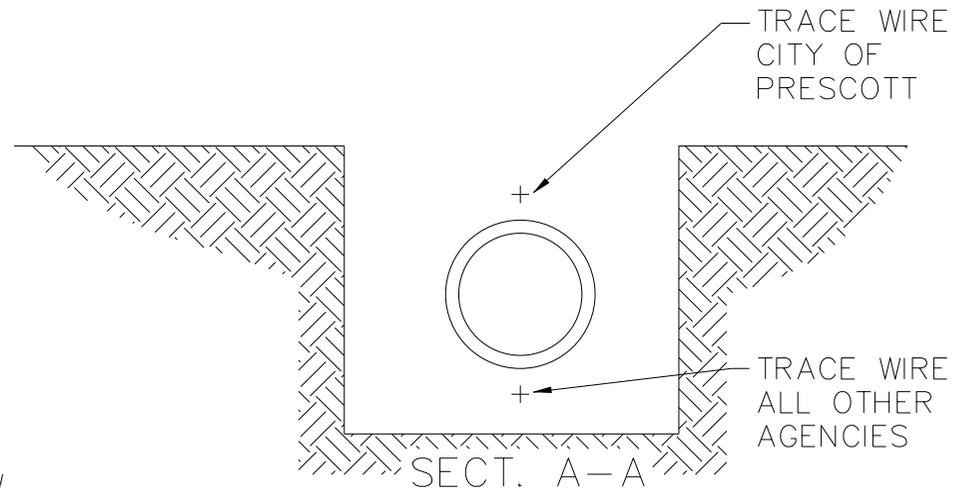
BLOW OFF

DETAIL NO.
3-18*



NOTES:

1. TRACE WIRE TO BE 14 DIRECT BURY AWG OR LARGER SOLID COPPER INSULATED WIRE. (BARE COPPER WIRE PROHIBITED)
2. WIRE IS TO BE INSTALLED WITH SLACK, ONE FOOT COIL PER LENGTH.
3. ACCEPTANCE OF TRACE WIRE WILL BE MADE AT FINISH SUBGRADE.
4. WIRE IS TO BE ATTACHED TO ALL WATER APPURTENANCES.
5. TRACE WIRE IS TO BE PLACED ABOVE OR BELOW PIPE AS INDICATED AND SECURED BY TAPE AS NEEDED.
6. THIS DETAIL DOES NOT PERTAIN TO STRAIGHT RUN SANITARY SEWER.
7. SEWER TRACE WIRE NOT REQUIRED ON CITY OF PRESCOTT SYSTEM.



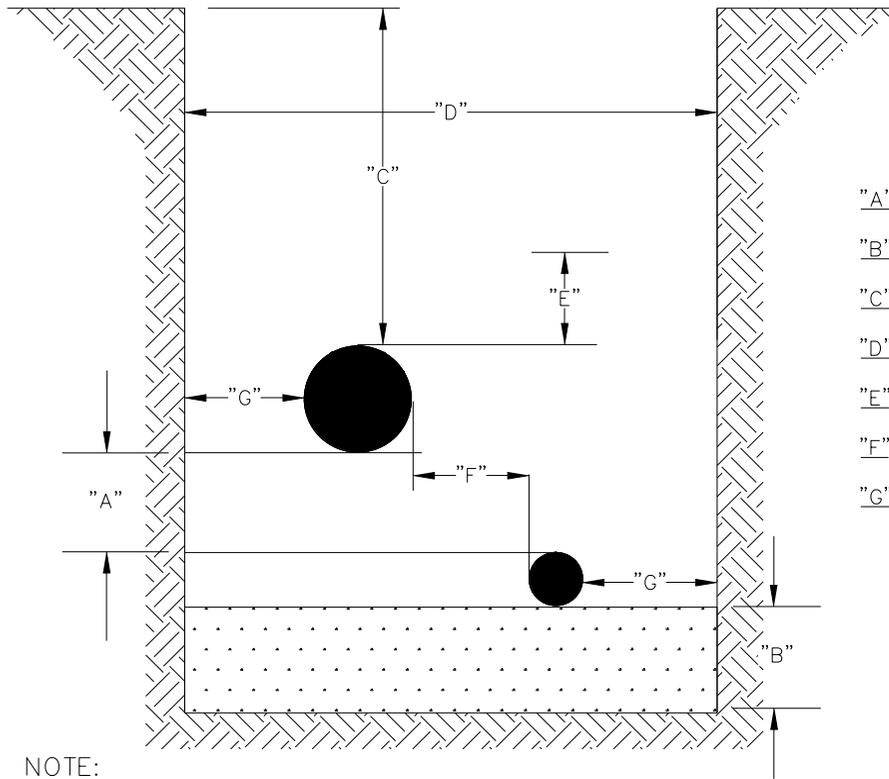
THIS DETAIL SHALL NOT BE ALTERED, AND SHALL BE STRICTLY ENFORCED

DETAIL NO.
3-19*

YAG STANDARD DETAIL

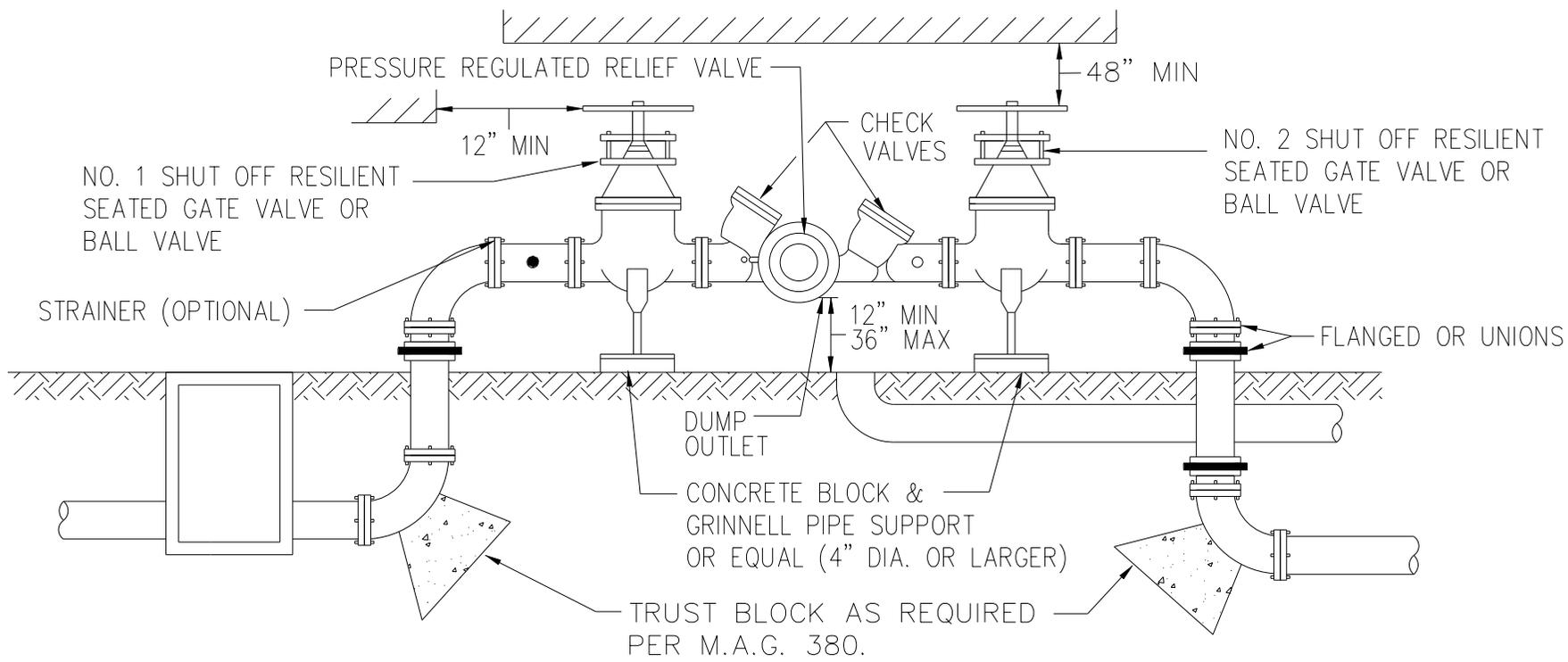
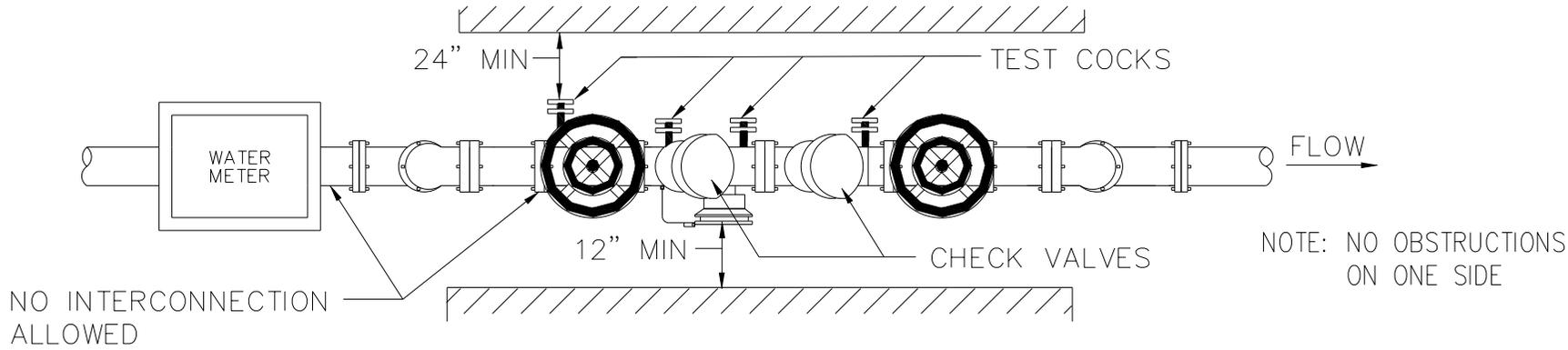
TRACER WIRE FOR ALL WATER PIPE

DETAIL NO.
3-19*



- "A" MINIMUM OF 24" VERTICAL CLEARANCE BETWEEN MAIN LINES.
- "B" 6" BEDDING WILL BE REQUIRED.
- "C" MINIMUM OF 36" COVER OVER MAIN LINES.
- "D" MINIMUM OF 30" WIDE.
- "E" 12" SHADING OVER TOP OF PIPE. SELECT MATERIAL (A.B.C. OR SAND).
- "F" MINIMUM OF 48" HORIZONTAL CLEARANCE.
- "G" MINIMUM 6" OF SIDE WALL CLEARANCE.

NOTE:
 CITY OF PRESCOTT WATER MAINS MAY BE COMMON IN TRENCH WITH GAS MAINS ONLY CONTRACTOR TO VERIFY ACCEPTABILITY OF WATER AND GAS IN COMMON TRENCH WITH OTHER UTILITIES (ALL OTHER UTILITIES ARE EXCLUDED).



DETAIL NO. 3-21A*	YAG STANDARD DETAIL	REDUCED PRESSURE ZONE ASSEMBLY INSTALLATION	DETAIL NO. 3-21A*
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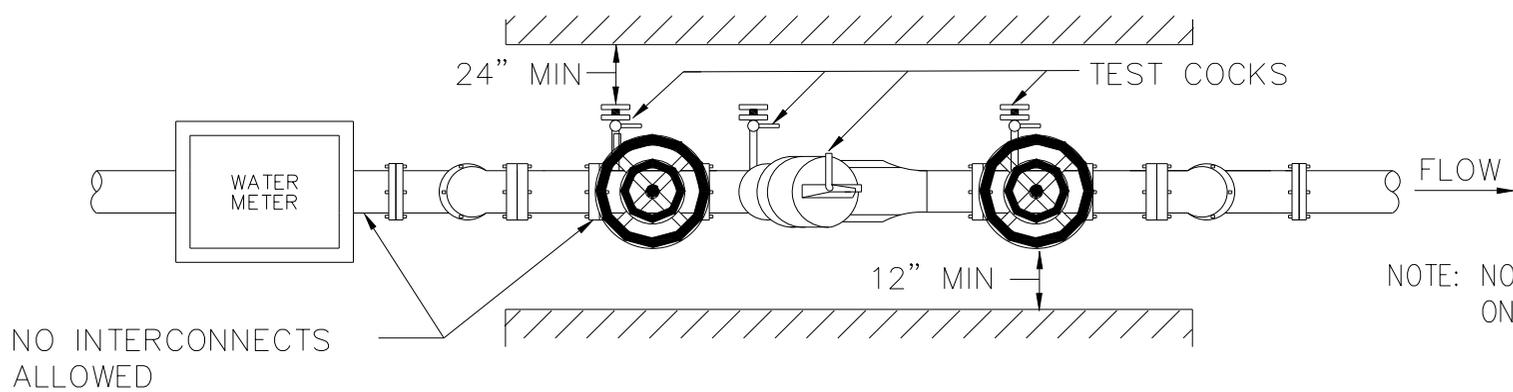
A CORRECT REDUCED PRESSURE ZONE ASSEMBLY (RPZA) INSTALLATION IS SHOWN ABOVE. THERE MUST NOT BE ANY CONNECTIONS ON THE SERVICE LINE BETWEEN THE (RPZA) AND THE WATER METER. PROTECTIVE CAGES ARE OPTIONAL, AND WHEN INSTALLED MUST MEET CLEARANCE REQUIREMENTS IN ADDITION TO PROVIDING SIDE AND TOP ACCESS. CAGES MUST NOT RETAIN WATER.

THE ASSEMBLY MUST BE ACCESSIBLE AT ALL TIMES. THE (RPZA) MUST BE INSTALLED ABOVE GROUND. AND AS CLOSE TO THE WATER METER AS POSSIBLE. THE ASSEMBLY MUST BE PROTECTED FROM FREEZING.

DISTANCE FROM THE BOTTOM OF PRESSURE RELIEF VALVE TO THE DRAIN OPENING MUST BE A MINIMUM OF THE TWICE THE DIAMETER OF THE ASSEMBLY PIPING. (12" MINIMUM).

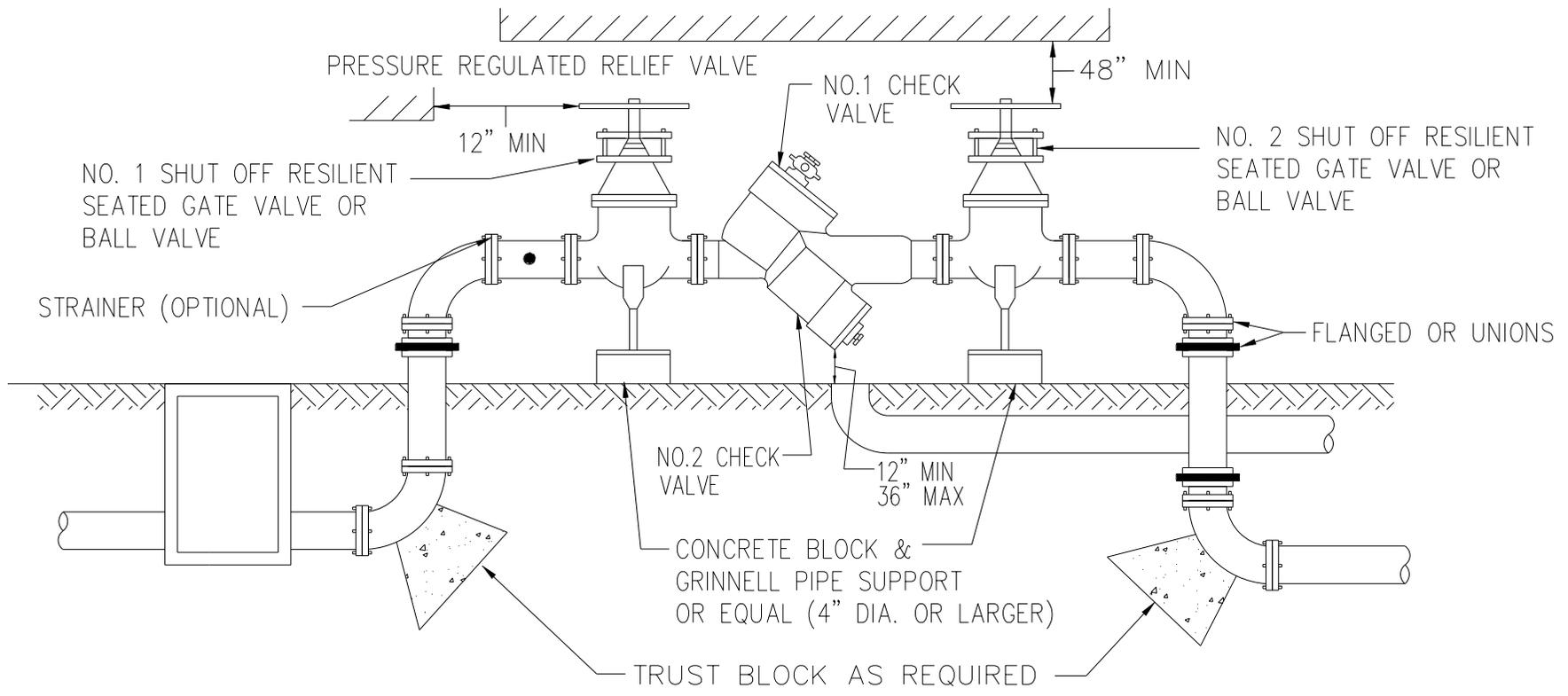
INSTALLATION MUST MEET UNIFORM PLUMBING CODES IN ADDITION TO STANDARD WATER DETAILS. INSTALLATION MUST BE LEFT EXPOSED UNTIL INSPECTED AND APPROVED BY "AGENCY". IN CASES WHERE WATER SUPPLY MAY NOT BE INTERRUPTED DURING NORMAL WORKING HOURS. TWO ASSEMBLIES INSTALLED IN PARALLEL WILL BE REQUIRED. THE ASSEMBLY MUST BE APPROVED BY THE "AGENCY" UTILITIES DEPARTMENT. FOR AN UPDATED LIST OF APPROVED ASSEMBLIES CONTACT THE "AGENCY" UTILITIES DEPARTMENT. THREE SETS OF PLANS SHALL BE SUBMITTED TO THE "AGENCY" UTILITIES DEPARTMENT FOR APPROVAL BY SIGNATURE PRIOR TO INSTALLATION. ADDITIONAL QUESTIONS MAY BE ADDRESSED TO THE UTILITIES DEPARTMENT.

DETAIL NO. 3-21B*	YAG STANDARD DETAIL	REDUCED PRESSURE ZONE ASSEMBLY INSTALLATION NOTES	DETAIL NO. 3-21B*
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NO INTERCONNECTS ALLOWED

NOTE: NO OBSTRUCTIONS ON ONE SIDE



DETAIL NO.
3-22A*

YAG STANDARD DETAIL

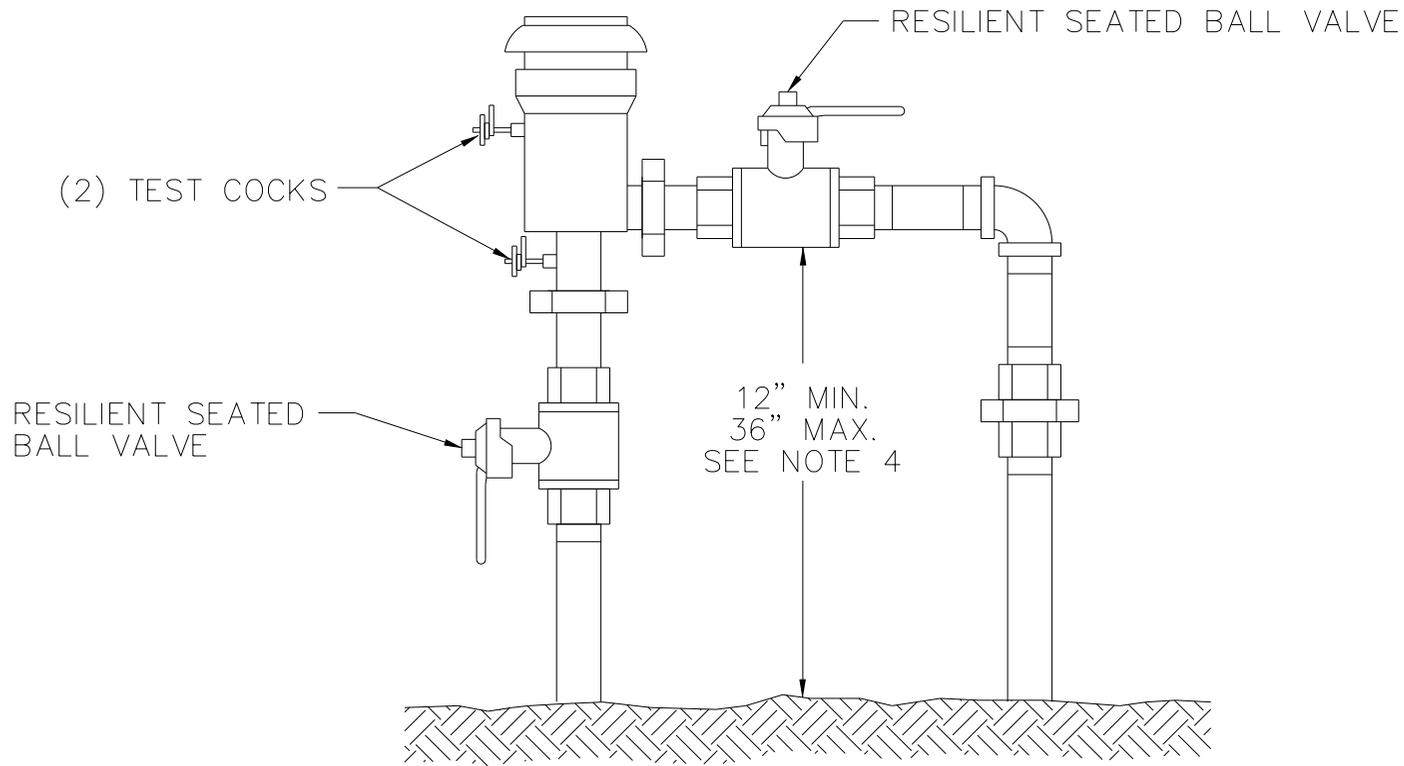
DOUBLE CHECK VALVE ASSEMBLY INSTALLATION

DETAIL NO.
3-22A*

A CORRECT DOUBLE CHECK VALVE ASSEMBLY (DCVA) INSTALLATION IS SHOWN ABOVE. THERE MUST NOT BE ANY CONNECTIONS ON THE SERVICE LINE BETWEEN THE (DCVA) AND THE WATER METER. THE ASSEMBLY MUST BE SERVICEABLE IN LINE. PROTECTIVE CAGES ARE OPTIONAL, AND WHEN INSTALLED MUST MEET CLEARANCE REQUIREMENTS IN ADDITION TO PROVIDING BOTH SIDE AND TOP ACCESS. GAGES MUST NOT RETAIN WTER. THE ASSEMBLY MUST BE ACCESSSSIBLE AT ALL TIMES.

THE ASSEMBLY MUST BE PROTECTED FROM FREEZING. INSTALLATION MUST MEET THE UNIFORM PLUMBING CODE IN ADDITION TO PRESCOTT WATER STANDARD DETAILS. INCASES WHERE WATER MAY NOT BE INTERRUPTED DURING NORMAL WORKING HOURS. TWO ASSEMBLIES INSTALLED IN PARRALLEL ARE REQUIRED. INSTALLATION MUST BE LEFT EXPOSED UNTIL INSPECTED AND APPROVED BY "AGENCY" UTILITIES. THE ASSEMBLY MUST BE APPROVED BY THE "AGENCY" UTILITIES PRIOR TO INSTALLATION. FOR AN UPDATED LIST OF APPROVED ASSEMBLIES CONTACT THE "AGENCY" UTILITIES DEPARTMENT. THREE SETS OF PLANS SHALL BE SUBMITTED TO THE "AGENCY" UTILITIES DEPARTMENT FOR APPROVAL BY SIGNATURE PRIOR TO INSTALLATION.

DETAIL NO. 3-22B*	YAG STANDARD DETAIL	DOUBLE CHECK VALVE ASSEMBLY INSTALLATION NOTES	DETAIL NO. 3-22B*
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NOTE:

1. CONTACT "AGENCY" UTILITIES DEPARTMENT FOR LATEST APPROVED LIST OF BACKFLOW PREVENTOR ASSEMBLIES.
 2. TWO TEST COCKS SHALL BE INSTALLED AS PER U.S.C.
 3. SHUT OFF VALVES MUST BE INSTALLED AS PER U.S.C.
 4. ASSEMBLY MUST BE INSTALLED 12 INCHES ABOVE THE HIGHEST OUTLET ON THE SYSTEM. IF THIS DISTANCE EXCEEDS 36 INCHES, A REDUCED PRESSURE ZONE PREVENTION ASSEMBLY MUST BE UTILIZED.
 5. ASSEMBLY MUST BE PROTECTED FROM FREEZING.
 6. INSTALLATIONS MUST BE IN CONFORMANCE WITH THE U.P.C. AND THE "AGENCY" STANDARDS.
 7. ALL BALL VALVES MUST BE RESILIENT SEATED BALL VALVES.
 8. ALL SHUT OFF VALVES MUST BE RESILIENT SEATED.
- NOTE: U.S.C. IS UNIVERSITY OF SOUTHERN CALIFORNIA (FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH).

DETAIL NO.
3-23*

YAG STANDARD DETAIL

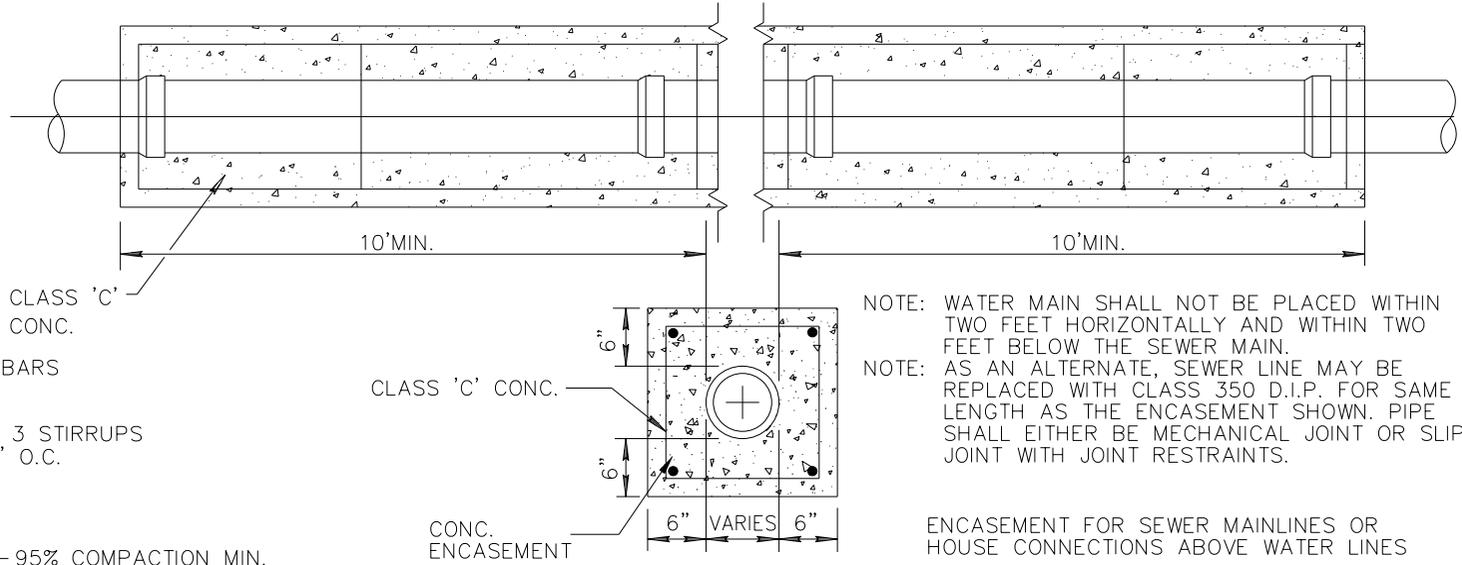
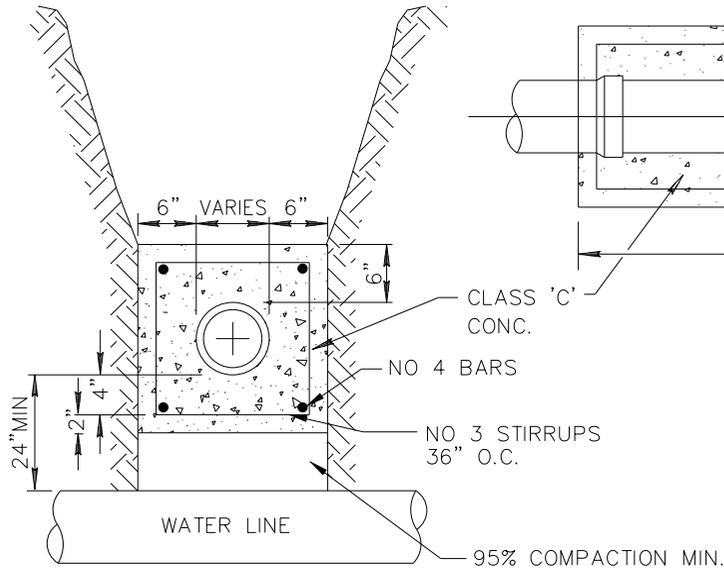
PRESSURE VACUUM BREAKER ASSEMBLY INSTALLATION

DETAIL NO.
3-23*

1. All work shall conform to Standard Details and Specifications, which are on file in the office of the "Agency" Engineer.
2. All frames, covers, valve boxes and manholes shall be adjusted to finished grade upon completion of paving or related construction.
3. Any quantities shown on plans are not verified by the "Agency" Engineer.
4. Acceptance of the completed water system will not be given until: 3 ML Photo Mylar or Xerox Graphic "as-built" plans have been submitted by a Registered Professional Engineer and approved by the Agency Engineer.
5. "Agency" Engineering Division shall be notified 24 hours prior to starting of work.
6. All work and materials which do not conform to the specifications are subject to removal and replacement at the contractor's expense.
7. Any work performed without the knowledge of the Inspector or his representative is subject to removal and replacement of same to be done at the contractor's expense.
8. The contractor shall provide sufficient men and equipment on the job at all times during construction to comply with specifications and to complete work.
9. Inspection is to be done by the "Agency" Engineering Division.
10. Contractor to notify project engineer 48 hours (2 working days) in advance of construction to schedule staking.
11. The contractor is to uncover all existing lines being tied into and verify grades before any other construction.
12. It is the contractor's responsibility to locate all underground pipelines, telephone, and electrical conduits and structures in advance of any construction, and will observe all possible precautions to avoid any damage to such. The engineer and/or owner will not guarantee any locations as shown on these plans or those omitted from same.
13. Contractor shall notify "Blue Stake" at (1-800-STAKEIT) at least 48 hours prior to construction.
14. Contractor shall verify all quantities shown and make his bid based upon those verifications. If any discrepancy in quantities is found, the contractor shall notify the engineer as such.
15. Arizona Department of Environmental Quality requirements shall be complied with.
16. All non-metal lines and appurtenances shall be provided with 14-gauge, single-strand, direct bury copper wire. Trace wire shall be subject to a traceability test.
17. All plans, signed by the "Agency" Engineer in charge, are null and void one year from date of signature if construction has not started.
18. Project Engineer shall be responsible for submitting to the "Agency" Engineer for approval, traffic control plans which shall be made a part of the plan review request.
19. Water-Sewer separation shall be pursuant to AAC R-18-4-502.
20. Water mains shall be subject to a pressure and leakage test in accordance with AWWA C-600 Standard.
21. Water mains shall be disinfected in accordance with ADEQ Engineering Bulletin No. 8, "Disinfection of Water Systems".
22. Operation of valves to be done by "Agency" personnel only.
23. PVC & Ductile Iron pipe to be installed per manufacturer's requirements.

DETAIL NO. 3-A	YAG STANDARD DETAIL	WATER PLAN GENERAL NOTES	DETAIL NO. 3-A
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ENCASEMENT SHALL EXTEND 10' IN BOTH DIRECTIONS FROM WATER LINE OR OR TO SUCH A POINT THAT THERE WILL BE 10' OF HORIZONTAL SEPARATION BETWEEN WATER & SEWER LINE. FILL BENEATH ENCASEMENT SHALL BE COMPACTED TO 95% MINIMUM PRIOR TO ENCASEMENT.



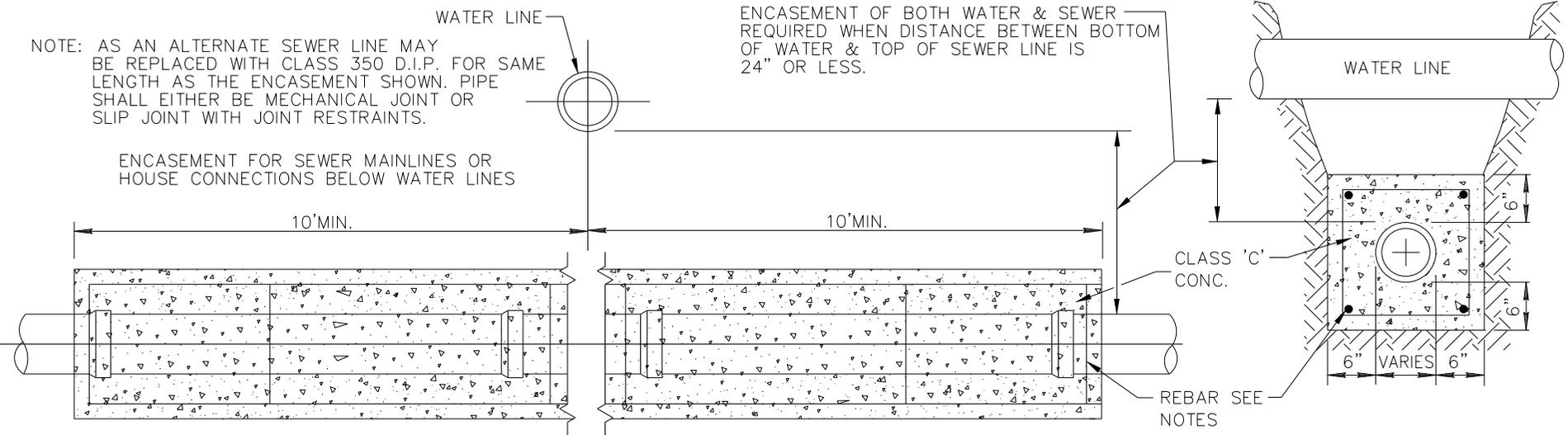
NOTE: WATER MAIN SHALL NOT BE PLACED WITHIN TWO FEET HORIZONTALLY AND WITHIN TWO FEET BELOW THE SEWER MAIN.
 NOTE: AS AN ALTERNATE, SEWER LINE MAY BE REPLACED WITH CLASS 350 D.I.P. FOR SAME LENGTH AS THE ENCASEMENT SHOWN. PIPE SHALL EITHER BE MECHANICAL JOINT OR SLIP JOINT WITH JOINT RESTRAINTS.

ENCASEMENT FOR SEWER MAINLINES OR HOUSE CONNECTIONS ABOVE WATER LINES

NOTE: AS AN ALTERNATE SEWER LINE MAY BE REPLACED WITH CLASS 350 D.I.P. FOR SAME LENGTH AS THE ENCASEMENT SHOWN. PIPE SHALL EITHER BE MECHANICAL JOINT OR SLIP JOINT WITH JOINT RESTRAINTS.

ENCASEMENT OF BOTH WATER & SEWER REQUIRED WHEN DISTANCE BETWEEN BOTTOM OF WATER & TOP OF SEWER LINE IS 24" OR LESS.

ENCASEMENT FOR SEWER MAINLINES OR HOUSE CONNECTIONS BELOW WATER LINES

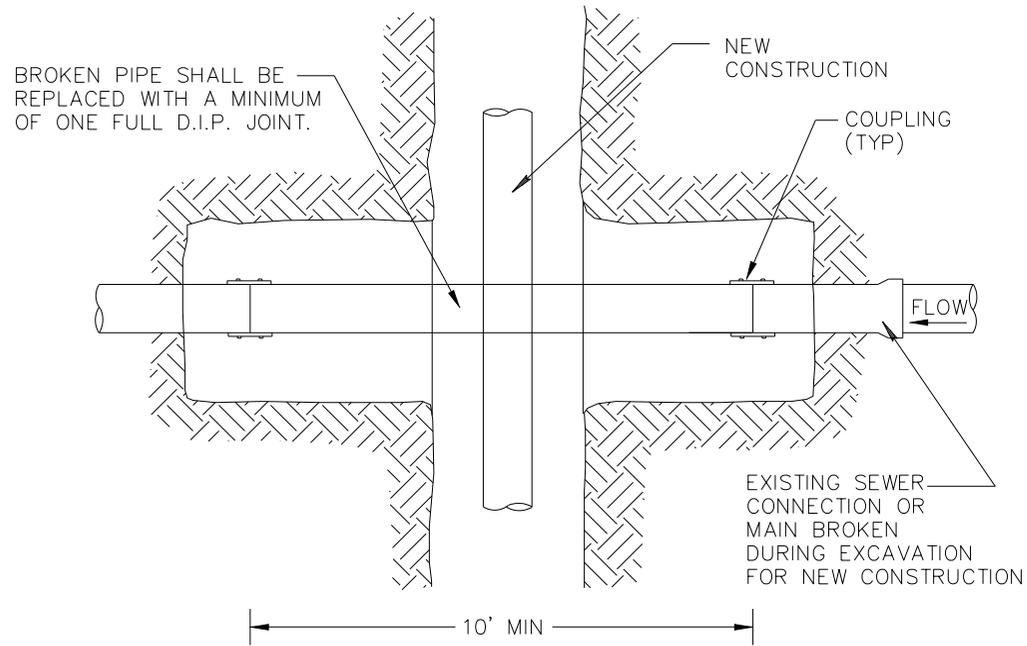


DETAIL NO.
4-01*

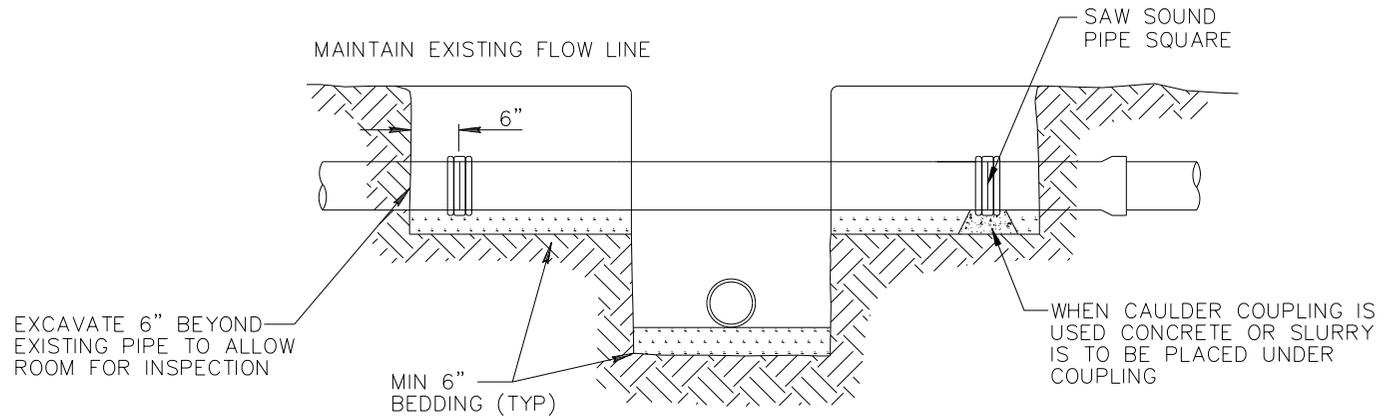
YAG STANDARD DETAIL

SANITARY SEWER ENCASEMENT DETAILS

detail no.
4-01*



COMPACTION SHALL BE DONE IN ACCORDANCE WITH YAG STANDARD DETAIL 2-02*



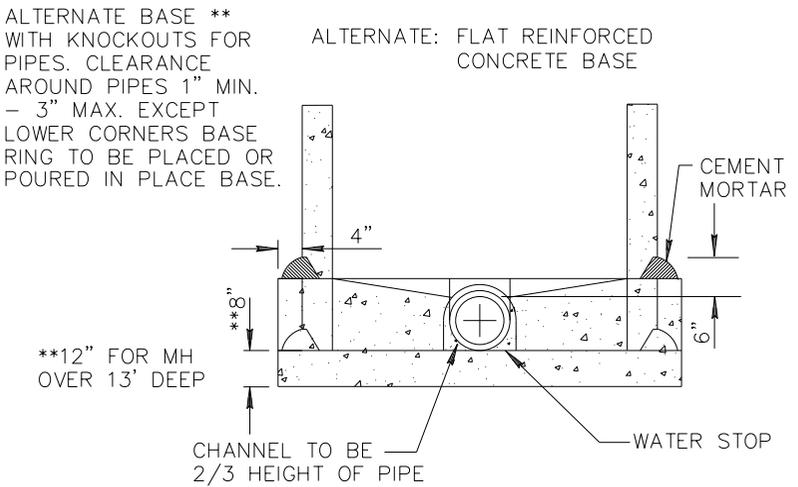
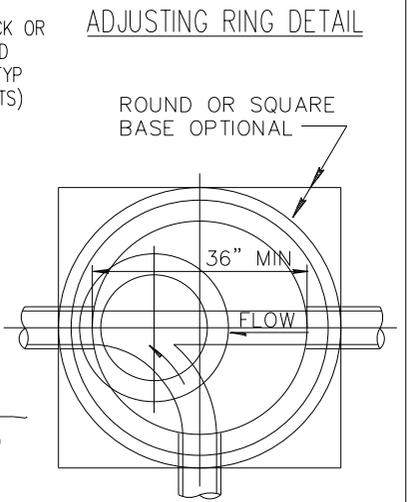
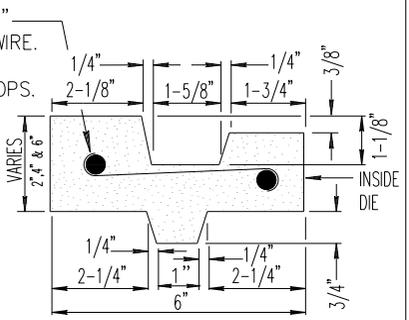
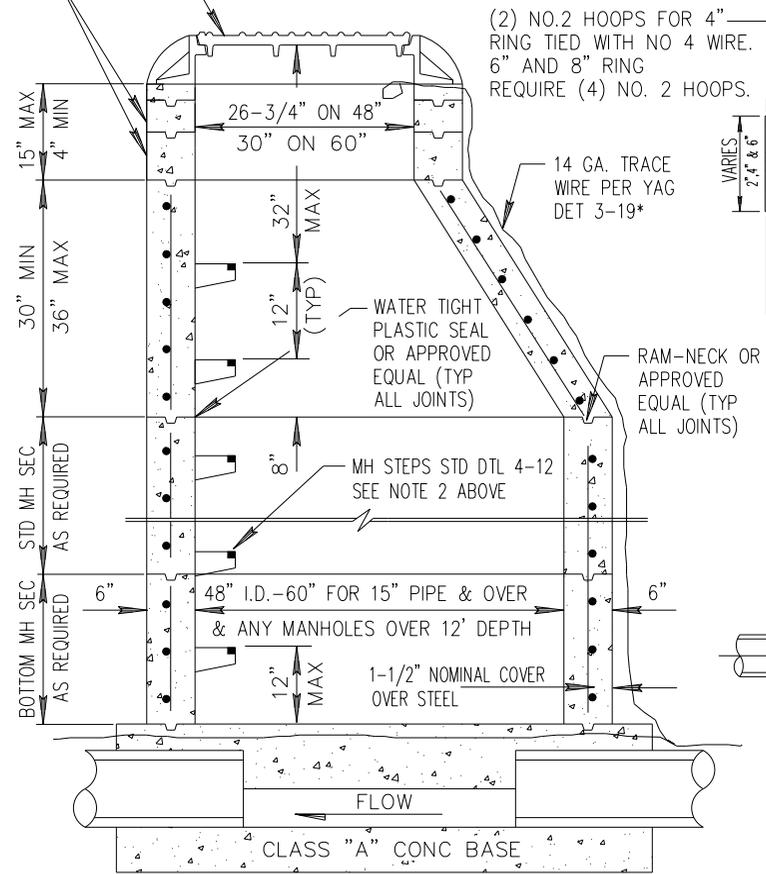
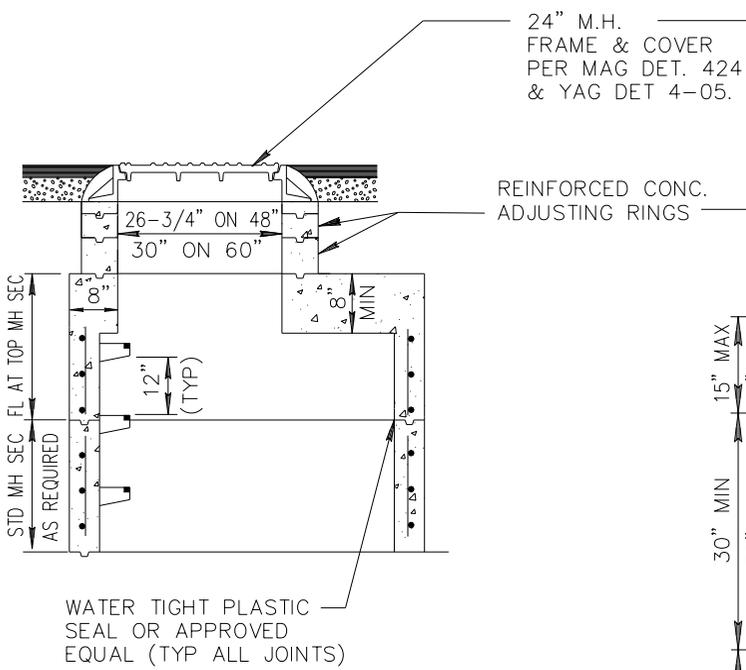
DETAIL NO.
4-02*

YAG STANDARD DETAIL

BROKEN SEWER LINE REPLACEMENT

DETAIL NO.
4-02*

- NOTES:**
1. PRE-CAST, REINFORCED M.H. SECTIONS SHALL BE MANUFACTURED IN ACCORDANCE WITH A.S.T.M. C-478M EXCEPT AS MODIFIED BY DETAILS BELOW.
 2. M.H. STEPS SHALL BE INSTALLED AT SITE OF M.H. SECTION MANUFACTURE
 3. STEPS TO BE LOCATED ON OUTLET SIDE OF MANHOLE.
 4. WATER STOPS TO BE USED ON ALL PIPE.
 5. ALL CONCRETE TO BE CURED AND PROTECTED IF TEMP. IS BELOW 40°F.
 6. GROUT ALL JOINTS TO SMOOTH SURFACE.
 7. SEWER TRACE WIRE NOT REQUIRED ON CITY OF PRESCOTT SYSTEM.



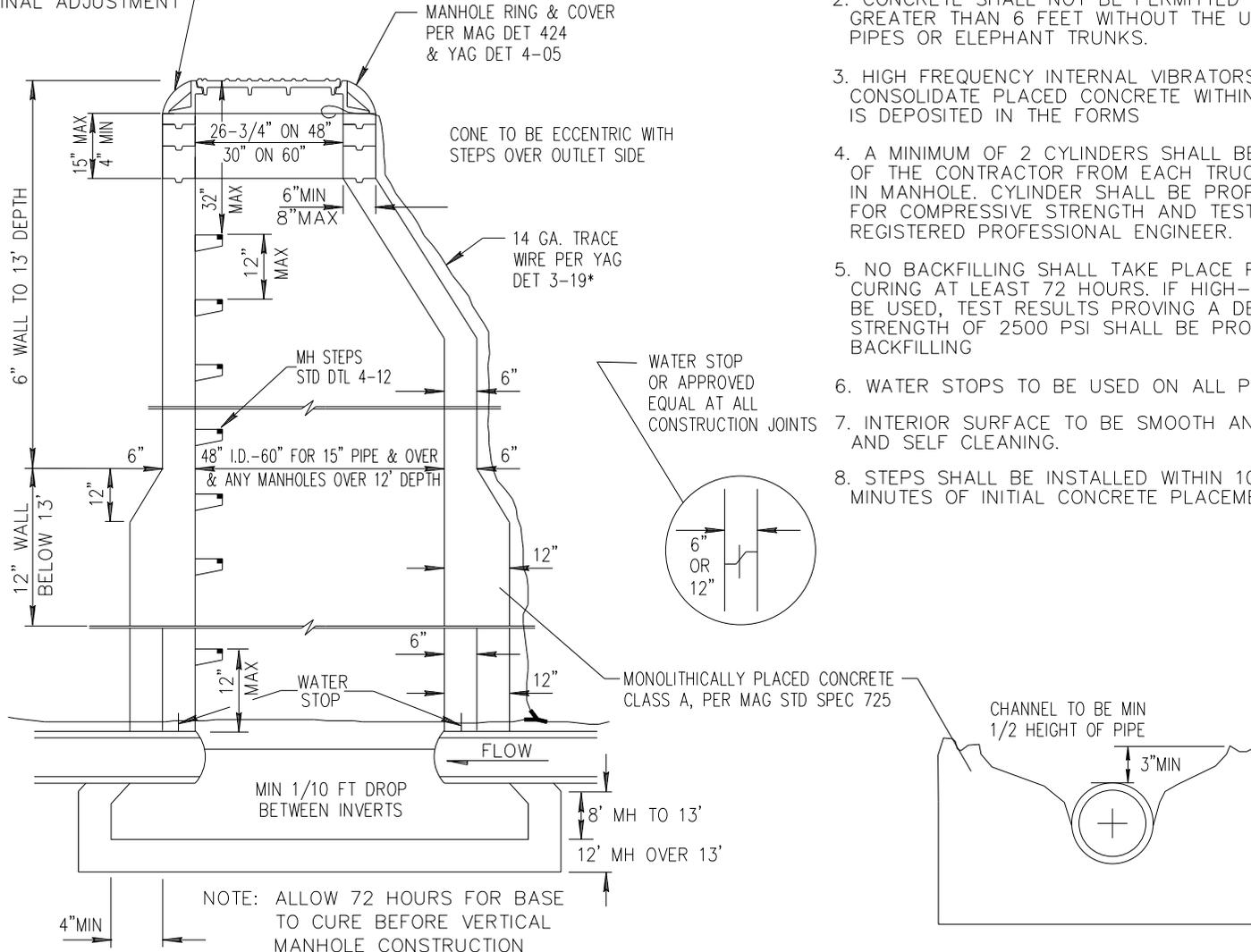
NOTE: ALLOW 72 HOURS FOR BASE TO CURE BEFORE VERTICAL MANHOLE CONSTRUCTION

DETAIL NO. 4-03*	YAG STANDARD DETAIL	PRECAST CONCRETE SEWER MANHOLE	DETAIL NO. 4-03*
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NOTE: 32" MAX FROM RIM TO FIRST STEP.
PER YAG DET 4-03*

NOTES:

2" MAX STEEL SPACERS AND
MORTAR FOR FINAL ADJUSTMENT



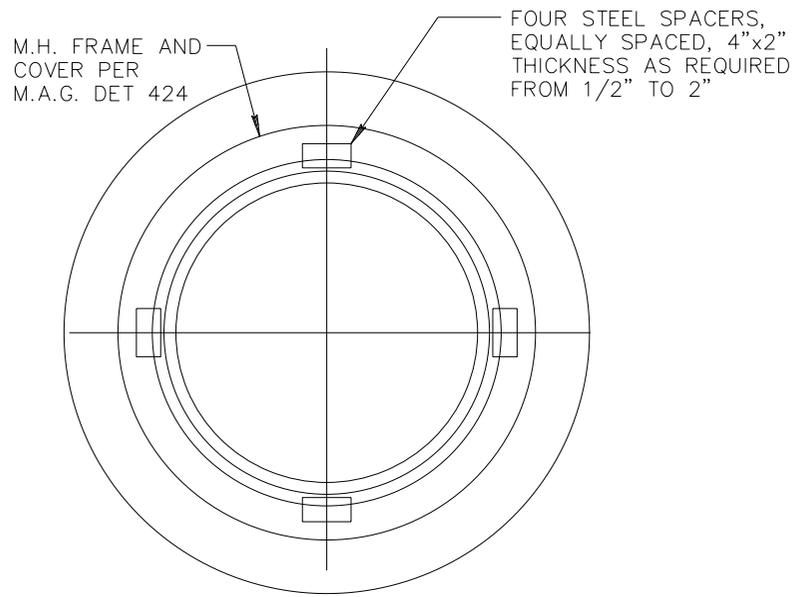
1. CONCRETE SHALL NOT BE PLACED ON FROZEN GROUND NOR SHALL IT BE PLACED WHEN THE AMBIENT TEMPERATURE IS BELOW 40° UNLESS SATISFACTORY MEANS HAVE BEEN TAKEN FOR PROTECTING AND INSULATING THE CONCRETE DURING THE CURING PERIOD. ALL CONCRETE SHALL BE PROPERLY PROTECTED FROM FREEZING FOR A PERIOD OF SEVEN DAYS AFTER PLACEMENT AND ALL EXPOSED CONCRETE SURFACES SHALL BE IMMEDIATELY SPRAYED WITH AN APPROVED COLORED CURING COMPOUND.
2. CONCRETE SHALL NOT BE PERMITTED TO FALL FROM A HEIGHT GREATER THAN 6 FEET WITHOUT THE USE OF ADJUSTABLE LENGTH PIPES OR ELEPHANT TRUNKS.
3. HIGH FREQUENCY INTERNAL VIBRATORS SHALL BE USED TO CONSOLIDATE PLACED CONCRETE WITHIN 15 MINUTES AFTER IT IS DEPOSITED IN THE FORMS
4. A MINIMUM OF 2 CYLINDERS SHALL BE TAKEN AT THE EXPENSE OF THE CONTRACTOR FROM EACH TRUCK LOAD OF CONCRETE USED IN MANHOLE. CYLINDER SHALL BE PROPERLY CURED AND TESTED FOR COMPRESSIVE STRENGTH AND TEST RESULTS STAMPED BY A REGISTERED PROFESSIONAL ENGINEER.
5. NO BACKFILLING SHALL TAKE PLACE PRIOR TO THE CONCRETE CURING AT LEAST 72 HOURS. IF HIGH-EARLY CONCRETE IS TO BE USED, TEST RESULTS PROVING A DEVELOPED COMPRESSIVE STRENGTH OF 2500 PSI SHALL BE PROVIDED PRIOR TO BACKFILLING
6. WATER STOPS TO BE USED ON ALL PIPE.
7. INTERIOR SURFACE TO BE SMOOTH AND UNIFORM AND SELF CLEANING.
8. STEPS SHALL BE INSTALLED WITHIN 10 MINUTES OF INITIAL CONCRETE PLACEMENT.

DETAIL NO.
4-04*

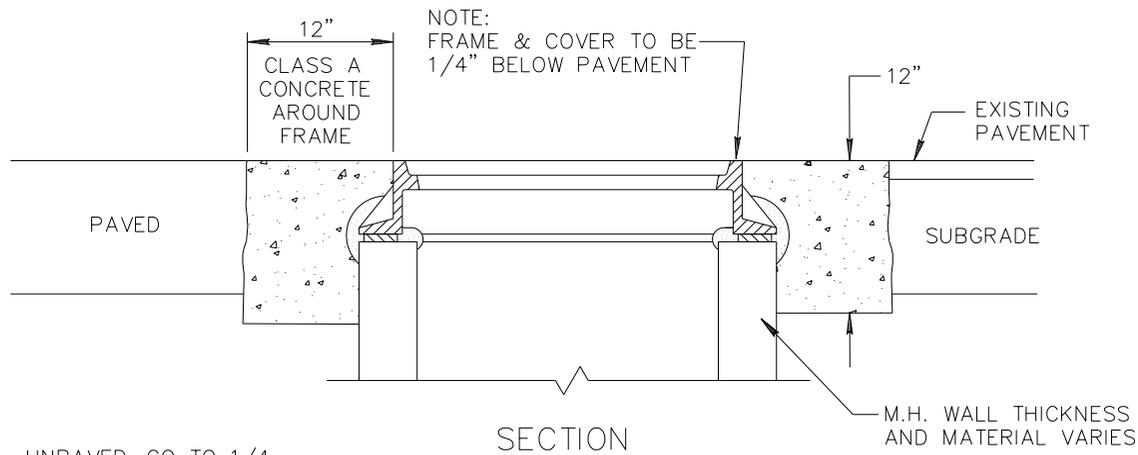
YAG STANDARD DETAIL

CONCRETE SEWER MANHOLE-CAST IN PLACE

DETAIL NO.
4-04*



PLAN



SECTION

UNPAVED—GO TO 1/4 ROUND ON EDGE AS PER Y.A.G. 4-13*

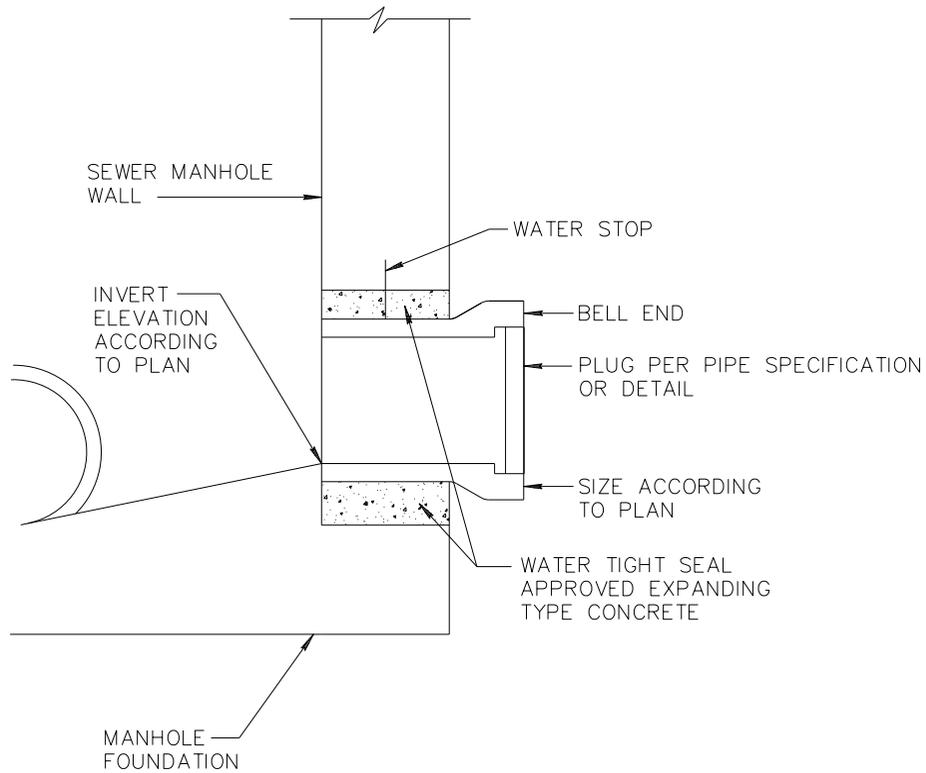
NOTE: ALL CONCRETE TO BE CURED FOR 5 DAYS AND INSULATED IF TEMPERATURE IS BELOW 40°F OR AS APPROVED BY THE AGENCY ENGINEER

DETAIL NO.
4-05*

YAG STANDARD DETAIL

MANHOLE FRAME — GRADE ADJUSTMENT

DETAIL NO.
4-05*

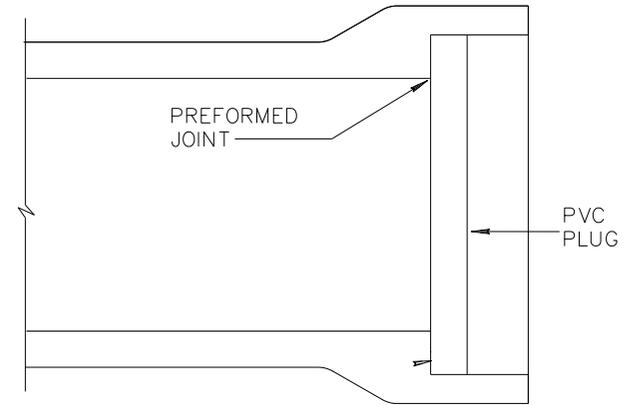
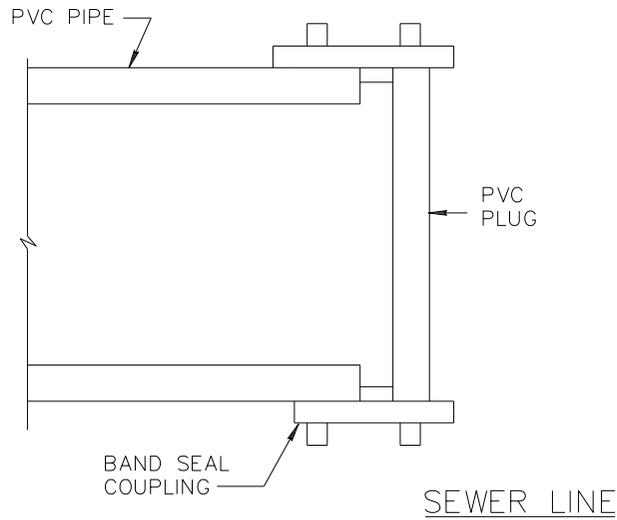


DETAIL NO.
4-09*

YAG STANDARD DETAIL

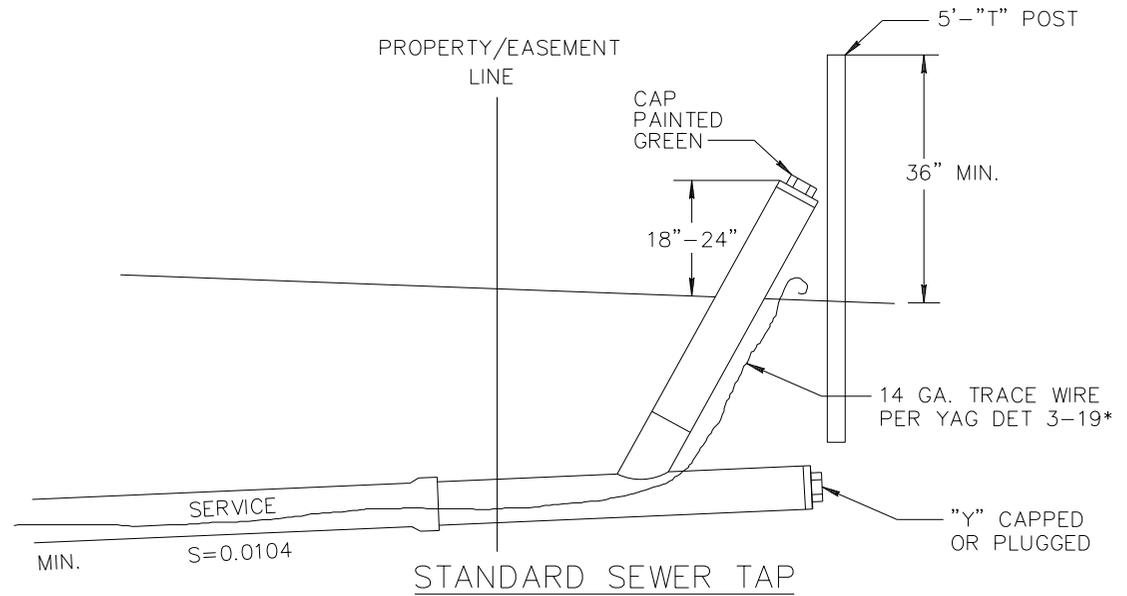
STUB-OUT AND PLUG

DETAIL NO.
4-09*



NOTES:

1. COMPACT SOIL AT END OF PIPE TO 95% OF MAXIMUM DENSITY.
2. COVER MATERIAL OVER SERVICE LINE SHALL BE 5 FEET (MIN) AT PROPERTY LINE.
3. CONSTRUCT SERVICE AT MINIMUM SLOPE IF COVER FOR SERVICE LINE WILL BE LESS THAN 5 FEET AT PROPERTY LINE BASE UPON APPROVED MAIN LINE DEPTH.
4. REFER TO YAG DET 2-02 FOR SEWER SERVICE BEDDING AND SHADING REQUIREMENTS.
5. "T" POST AND TRACE WIRE NOT REQUIRED ON CITY OF PRESCOTT SYSTEM.

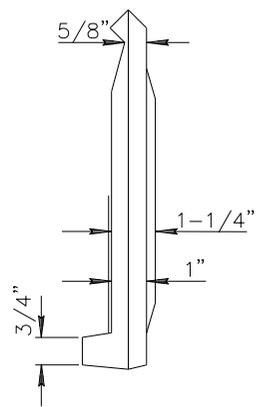
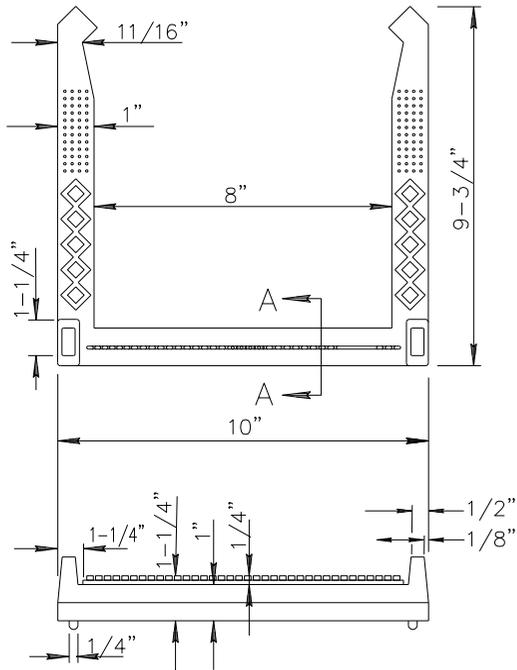


DETAIL NO.
4-10*

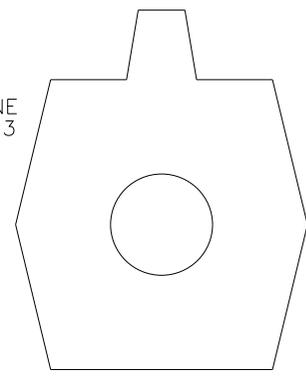
YAG STANDARD DETAIL

SEWER AND DRAIN PLUGS

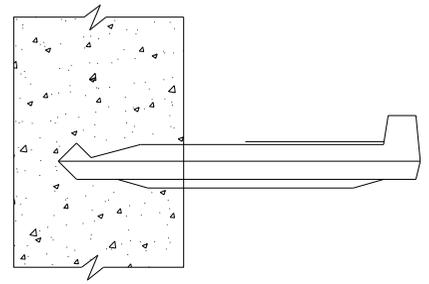
DETAIL NO.
4-10*



POLYPOPELENE
PLASTIC-NO 3
DEFORMED
REBAR



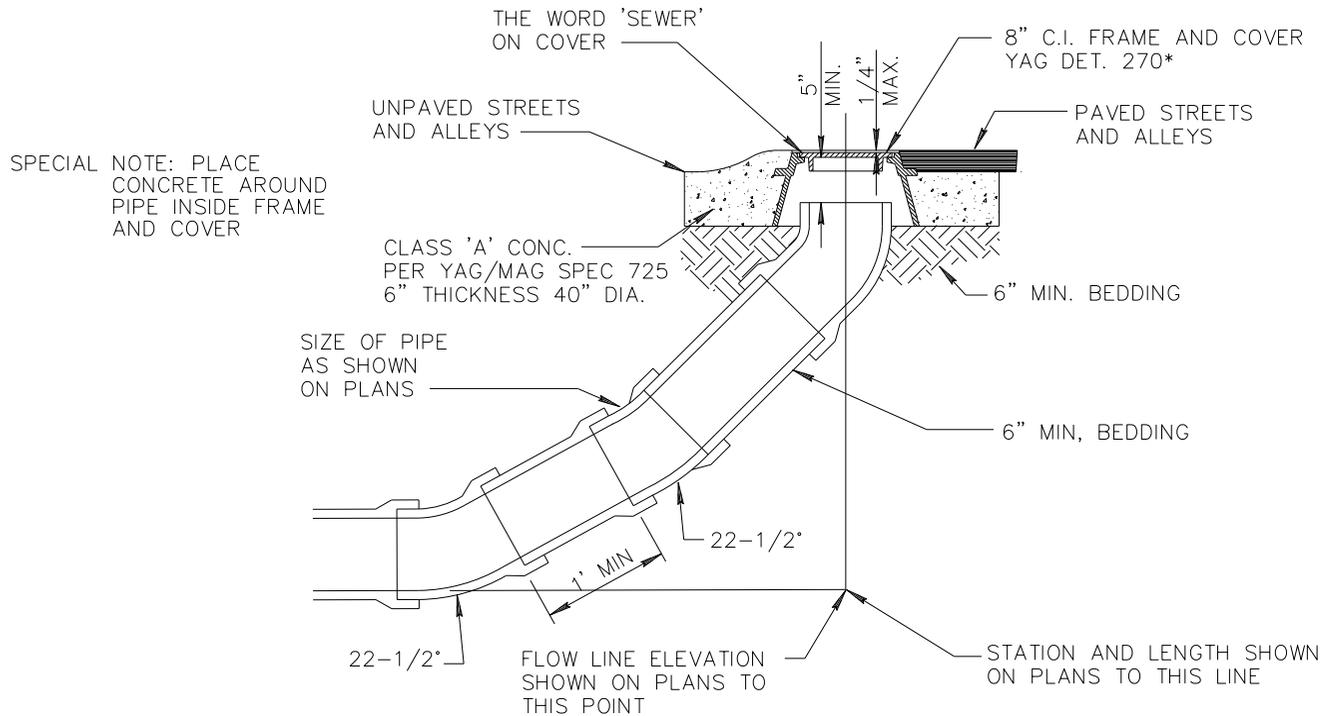
SECTION A-A



NOTES

1. STEPS SHALL BE PLACED INTO WET CONCRETE WALL DURING MANUFACTURE AND SET TO LINE & GRADE WITHIN 10 MINUTES AFTER POUR.
2. STEPS MUST MEET ASTM 2146-68 TYPE II GRADE 49108 STEEL, GRADE 60, ASTM A-615.

DETAIL NO. 4-12*	YAG STANDARD DETAIL	MANHOLE STEPS	DETAIL NO. 4-12*
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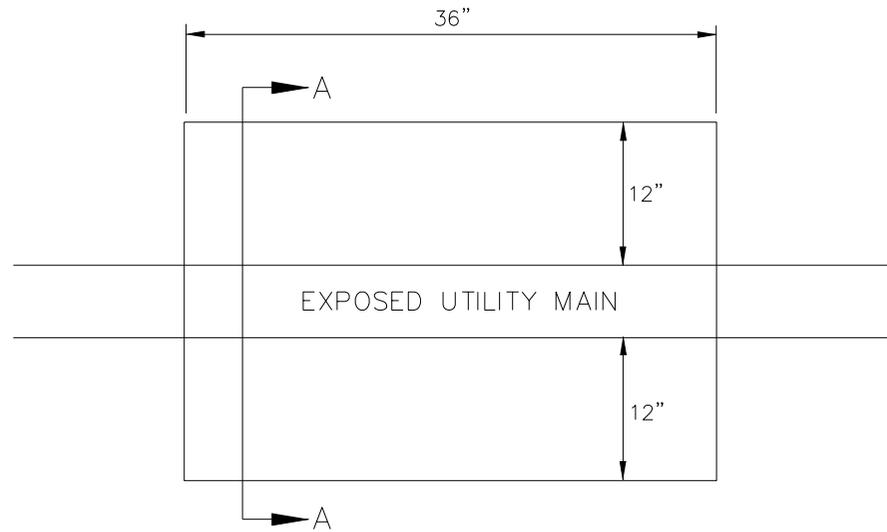
- NOTES: 1. ALL SERVICE TAPS ARE TO BE MADE AHEAD OF SWEEP.
2. ALL JOINTS ARE TO BE WATER TIGHT.
3. NOT TO CONFLICT WITH CURB/GUTTER ALIGNMENT.

DETAIL NO.
4-13*

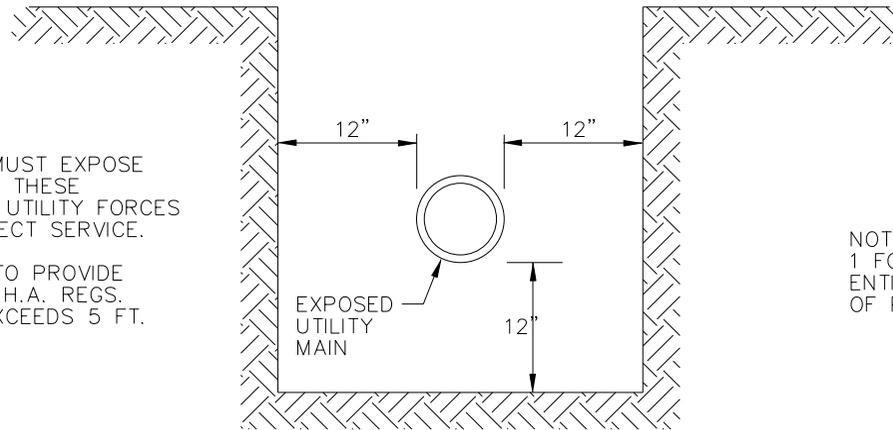
YAG STANDARD DETAIL

CLEAN - OUT FOR SDR-35

DETAIL NO.
4-13*



TOP VIEW



SECTION A-A

- NOTE:
1. CONTRACTOR MUST EXPOSE SEWER MAIN TO THESE DIMENSIONS OR UTILITY FORCES WILL NOT CONNECT SERVICE.
 2. CONTRACTOR TO PROVIDE TRENCH TO O.S.H.A. REGS. WHEN DEPTH EXCEEDS 5 FT.

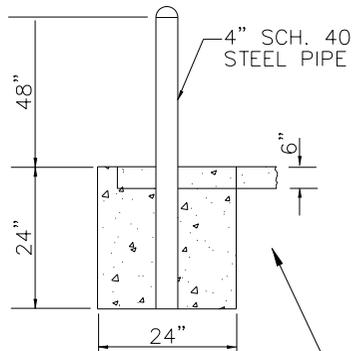
NOTE:
1 FOOT CLEARANCE FOR ENTIRE CIRCUMFERENCE OF PIPE.

DETAIL NO.
4-14*

YAG STANDARD DETAIL

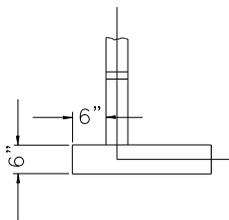
EXPOSING OF UTILITY MAIN FOR SERVICE CONNECTION

DETAIL NO.
4-14*

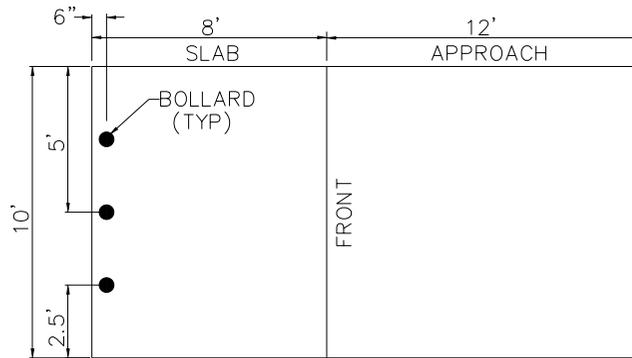


4' HIGH ABOVE PAD

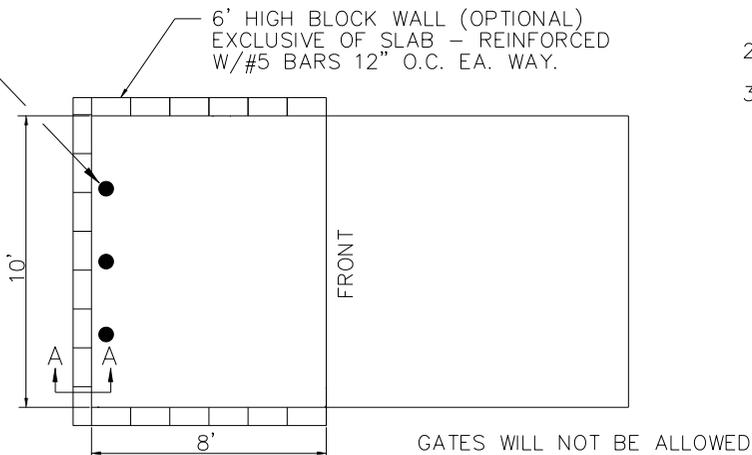
4' HIGH CONC. FILLED
BOLLARD - BURY 2' W/24"
COLLAR



SECTION A-A



DETAIL "A"



DETAIL "B"

SLAB DATA

1. MIN. 6" THICK CLASS "A" CONCRETE ON 4" A.B.C. 95% COMP.
2. SLAB TO BE REINFORCED W/ 6x6 - 8/8 W.W.F.
3. SLAB TO BE POURED TO THE SAME ELEV. AS THE APPROACH.

GATES WILL NOT BE ALLOWED

DETAIL NO.
4-15*

YAG STANDARD DETAIL

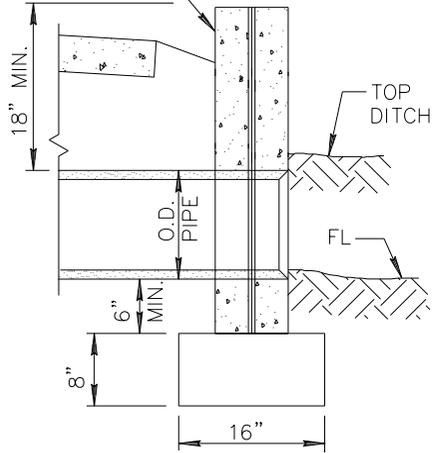
SANITATION DUMPSTER DETAIL

DETAIL NO.
4-15*

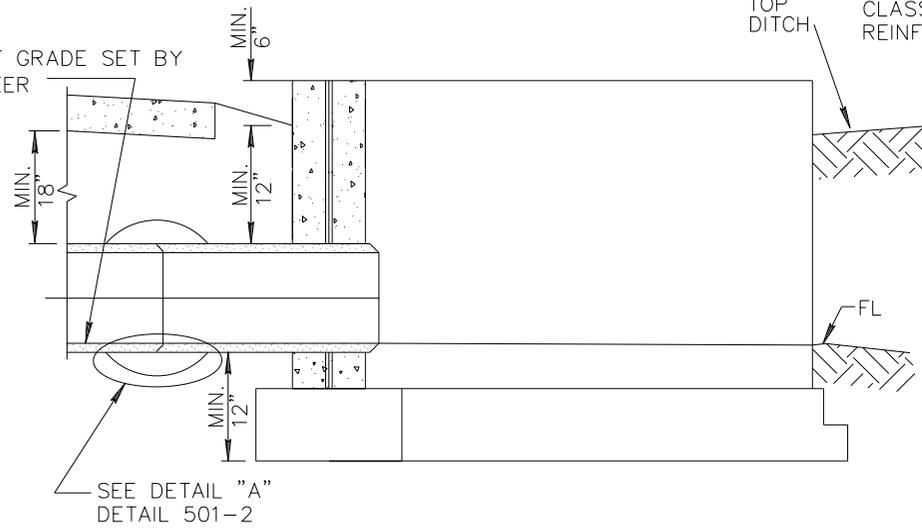
1. All work shall conform to Standards and Specifications, which are on file in the Office of the "Agency" Engineer.
2. All frames, covers, valve boxes, and manholes shall be adjusted to finished grade upon completion of paving or related construction.
3. Any quantities shown on plans are not verified by the "Agency" Engineer.
4. Acceptance of the completed sewer system will not be given until: 3 ML Photo Mylar or Xerox Graphic "as-built" plans have been submitted by a Registered Professional Engineer and approved by the Environmental Services Director.
5. "Agency" Engineering Department shall be notified 24 hours prior to starting of work.
6. All work and materials which do not conform to the specifications are subject to removal and replacement at the contractor's expense.
7. Any work performed without the knowledge of the "Agency" Inspector or his representative is subject to removal and replacement of same to be done at the contractors expense.
8. The contractor shall provide sufficient men and equipment on the job at all times during construction to comply with specifications and to complete work.
9. Inspection is to be done by the "Agency" Engineering Division.
10. Contractor to notify project engineer 48 hours (2 working days) in advance of construction to schedule staking.
11. The contractor is to uncover all existing lines being tied into, and verify grades before any other construction.
12. It is the contractor's responsibility to locate all underground pipelines, telephone, and electrical conduits and structures in advance of any construction; and will observe all possible precautions to avoid any damage to such. The engineer and/or owner will not guarantee any locations as shown on these plans or those omitted from same.
13. Contractor shall notify "Blue Stake" at (1-800-STAKEIT) at least 48 hours prior to construction.
14. Contractor shall verify all quantities shown and make his bid based upon those verifications. If any discrepancy in quantities is found, the contractor shall notify the engineer as such.
15. Arizona Department of Environmental Quality requirements shall be complied with.
16. Arizona Department of Environmental Quality requirements will apply when more stringent than the Standard Specifications for Public Works Construction--more specifically where they pertain to maximum allowable sewer line/pressure sewer line exfiltration-infiltration rates.
17. All plans, signed by the "Agency" Engineer in charge, are null and void one year from date of signature if construction has not started.
18. Project engineer shall be responsible for submitting to the "Agency" Engineer for approval, traffic control plans which shall be made a part of the plan review request.
19. Water-Sewer separation shall be pursuant to AAC R-18-4.211.
20. Sewer line low pressure air tests shall be done on 100% of all lines.
21. Sewer manholes exfiltration tests shall be done on 100% of all lines. Vacuum testing in accordance with "Agency" Standards may be used in lieu of exfiltration test.
22. Sewer line deflection tests shall be done on 100% of all lines.
23. Prior to project acceptance, the contractor shall be responsible for providing the City of Prescott with a VHS video tape of all of the main line installed within the City of Prescott. The video will be previewed and deemed acceptable by the City prior to project release.

DETAIL NO. 4-A	YAG STANDARD DETAIL	SEWER PLAN GENERAL NOTES	DETAIL NO. 4-A
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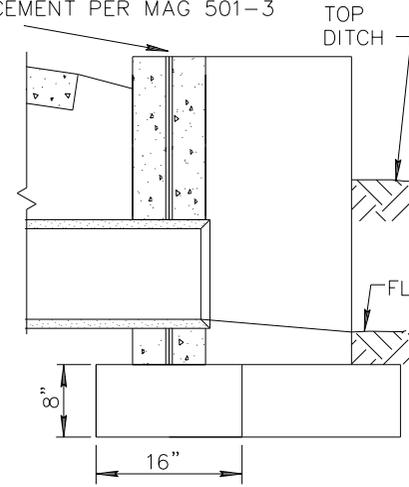
CLASS 'A' CONCRETE WALL REINFORCEMENT PER 501-3.



INVERT GRADE SET BY ENGINEER

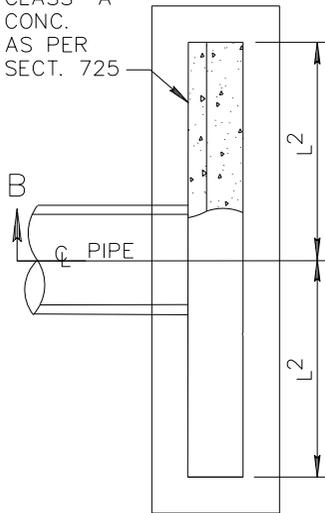


CLASS 'A' CONCRETE REINFORCEMENT PER MAG 501-3



SECTION B-B

CLASS "A" CONC. AS PER SECT. 725

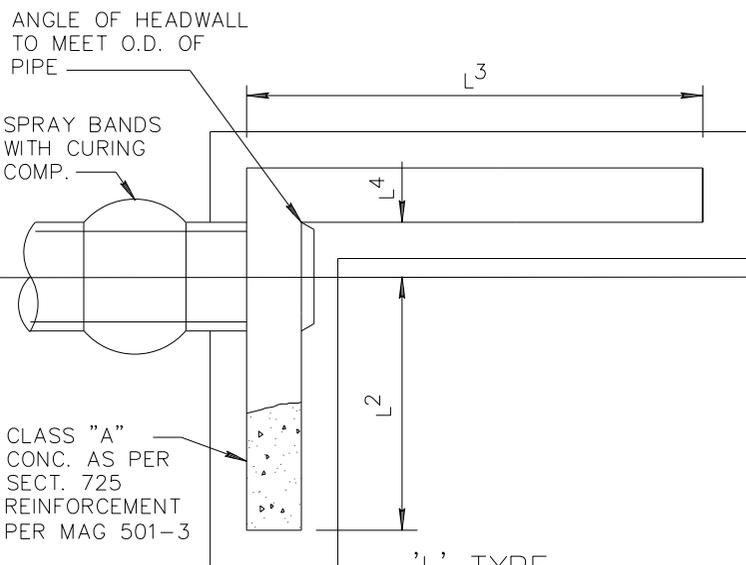


STRAIGHT TYPE

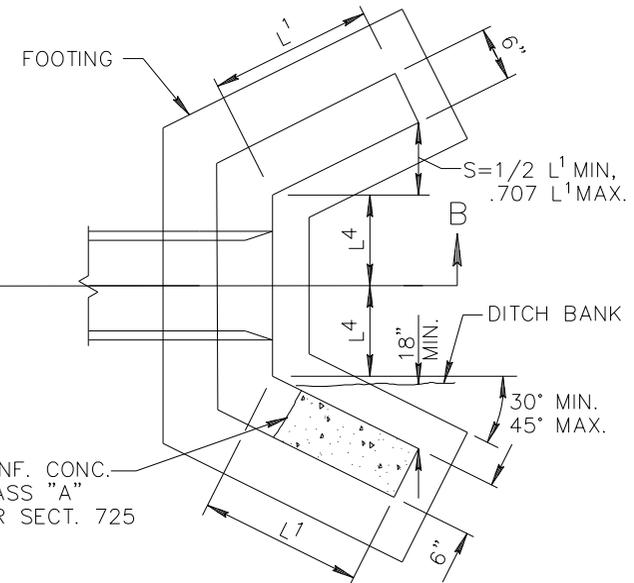
ANGLE OF HEADWALL TO MEET O.D. OF PIPE

SPRAY BANDS WITH CURING COMP.

CLASS "A" CONC. AS PER SECT. 725 REINFORCEMENT PER MAG 501-3



'L' TYPE PLAN



'U' TYPE

DETAIL NO.

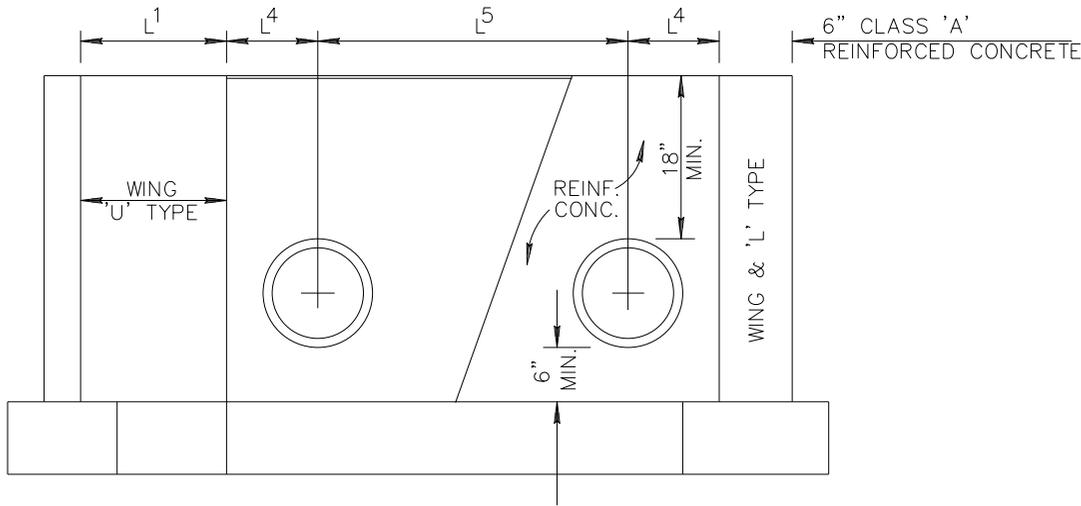
501-1*

YAG STANDARD DETAIL

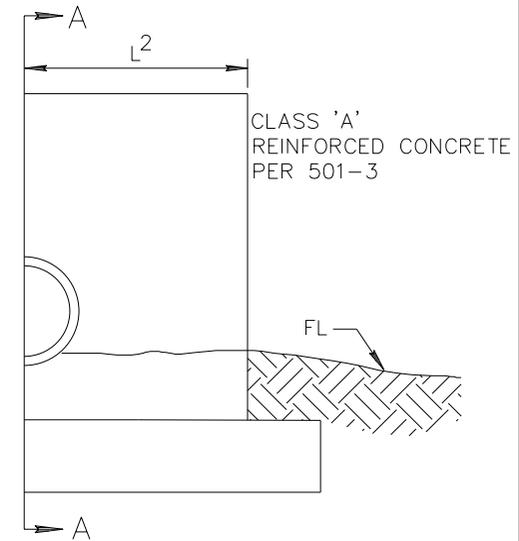
HEADWALL

DETAIL NO.

501-1*



DOUBLE PIPE HEADWALL

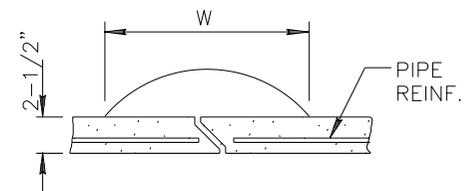


NOTES:

1. ALL CONCRETE SHALL BE CLASS 'A' PER SECT. 505 & 725.
2. CONCRETE REINF. SHALL BE NO. 4 BAR, WITH 12" O.C. BOTH WAYS.

HEADWALL DIMENSIONS					
*NOMINAL PIPE SIZE	L ¹	L ²	L ³	L ⁴	L ⁵
12"	1'-4"	2'-0"	3'-8"	0'-10"	2'-10"
15"	2'-0"	2'-8"	4'-0"	1'-0"	3'-0"
18"	2'-0"	3'-8"	4'-8"	1'-2"	3'-4"
21"	2'-8"	4'-0"	5'-4"	1'-3"	3'-8"
24"	2'-8"	4'-0"	5'-4"	1'-6"	3'-11"
30"	2'-8"	5'-4"	6'-8"	1'-10"	4'-7"
36"	3'-4"	6'-8"	8'-0"	1'-10"	5'-2"
42"	4'-0"	8'-0"	9'-4"	2'-2"	5'-9"

* NOMINAL PIPE SIZE GIVEN FOR REINFORCED CONC. PIPE.



PIPE SIZE	W
12" - 21" INCL.	11"
24" - 42" INCL.	13"

DETAIL "A"

DETAIL NO.

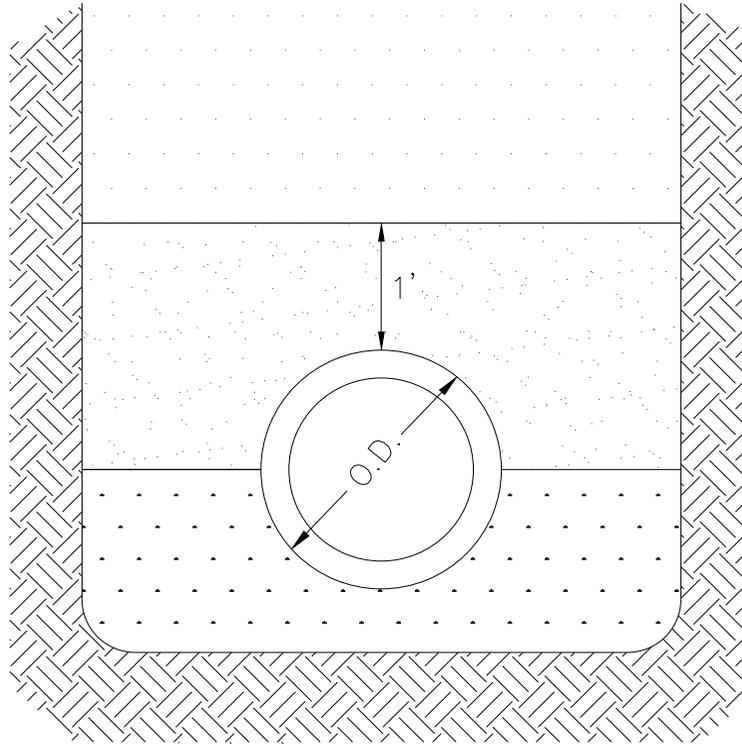
501-2*

YAG STANDARD DETAIL

HEADWALL

DETAIL NO.

501-2*



FOR CONCRETE, REINFORCED CONCRETE,
& ABESTOS CEMENT PIPE IN TRENCHES

LIVE LOAD FACTOR=1.5
DEAD LOAD FACTOR=1.9

SEE DETAIL 2-02

DETAIL NO.
5-04*

YAG STANDARD DETAIL

RIGID PIPE BEDDING FOR STORM DRAINS

DETAIL NO.
5-04*