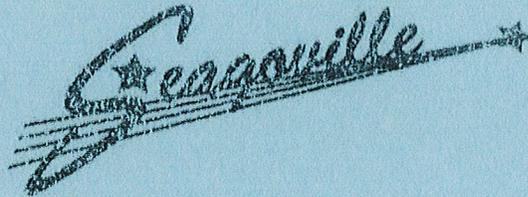


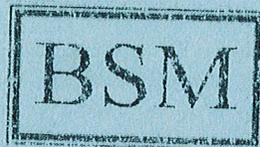
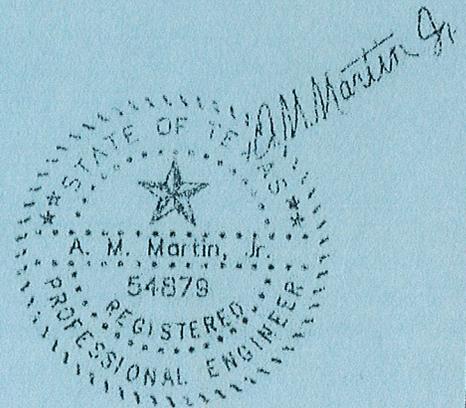
**CITY OF SEAGOVILLE**  
**GENERAL NOTES AND STANDARD DETAILS**  
**FOR**  
**CONSTRUCTION**  
**OF**  
**WATER MAINS, SANITARY SEWER MAINS**  
**STREET PAVING AND STORM SEWER LINES**



UPDATED: NOV. 2015

UPDATED: JUNE 2014

UPDATED: NOV. 2010



*Consulting  
Civil  
Engineers*

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THE GENERAL NOTES AND STANDARD DETAILS FOR CONSTRUCTION  
WERE APPROVED BY THE CITY COUNCIL ON DECEMBER \_\_\_\_, 2015.

CITY ORDINANCE NO. \_\_\_\_\_

## TABLE OF CONTENTS

COVER SHEET	
GENERAL CONSTRUCTION NOTES	
GENERAL CONSTRUCTION NOTES	P-1
GENERAL CONSTRUCTION NOTES	P-2
WATER CONSTRUCTION NOTES	
WATER MAIN CONSTRUCTION NOTES	P-3
TYPICAL WATER AND SEWER SERVICE DETAIL	P-4
FIRE HYDRANT DETAIL	P-5
FIRE HYDRANT AND SPLASH BLOCK DETAIL	P-6
TYPICAL WATER SERVICE DETAIL (POLY)	P-7
TYPICAL WATER SERVICE DETAIL-LONG (POLY)	P-8
CONCRETE VALVE PAD DETAIL	P-9
CONCRETE PATCH FOR ASPHALT PAVING, OR ASPHALT PATCH FOR STREET OR DRIVEWAY	P-10
CONCRTE ENCASEMENT DETAIL	P-11
WATER MAIN EMBEDMENT DETAIL	P-12
STANDARD WATER MAIN LOWERING	P-13
BLOCKING DETAIL	P-14
BORE DETAIL WITH RACI SPACERS	P-15
BORE GROUTING DETAIL	P-16
SANITARY SEWER MAIN CONSTRUCTION NOTES	
SAINRARY SEWER MAIN CONSTRUCTION NOTES	P-17
STANDARD MANHOLE DETAIL	P-18
STANDARD DROP MANHOLE DETAIL	P-19
TYPICAL WATER AND SEWER SERVICE DETAIL	P-20
STANDARD CLEANOUT	P-21
HOUSE CLEANOUT	P-22
RESIDENTAL LATERAL LINE & CLEANOUT	P-23
PROPOSED SEWER LATERAL LINE INSTALLATION DETAIL	P-24
SANITARY SEWER PIPE EMBEDMENT DETAIL	P-25
STANDARD MAINLINE CLEANOUT	P-26
CONCRETE PATCH FOR ASPHALT PAVING, OR ASPHALT PATCH FOR STREET OR DRIVEWAY	P-27
CONCRETE ENCASEMENT DETAIL	P-28
COMBINATION CLEANOUT	P-29
SANITARY SEWER MAINLINE LATERAL LINE CONNECTION	P-30
BORE DETAIL WITH RACI SPACERS	P-31
BORE GROUTING DETAIL	P-32

PAVING CONSTRUCTION NOTES	
PAVING CONSTRUCTION NOTES	P-33
TYPICAL 31 FOOT PAVING SECTION	P-34
BARRIER FREE RAMP DETAIL	P-35
BARRIER FREE RAMP DETAIL	P-36
TYPICAL PARKING LOT DETAIL	P-37
JOINT SPACING DETAIL	P-38
INTEGRAL CURB & GUTTER DETAIL	P-39
DRIVEWAY PAVING DETAIL	P-40
METAL BEAM BARRICADE END OF ROAD DETAIL	P-41
CONCRETE SIDEWALK DETAIL	P-42
PAVEMENT HEADER DETAIL	P-43
ROCK DRIVEWAY REPAIR & EMBEDMENT	P-44
JOINT DETAILS	P-45
STANDARD STREET SIGNS DETAIL	P-46
STANDARD STOP SIGN & STREET SIGN DETAIL	P-47
MAIL BOX DETAIL	P-48
STORM SEWER CONSTRUCTION NOTES	
PAVING & STORM SEWER CONSTRUCTION NOTES	P-49
TYPICAL DETENTION POND DETAIL	P-50
REINFORCED CONCRETE PIPE DETAIL	P-51
STANDARD CURB INLET DETAIL	P-52
TYPICAL HEADWALL DETAIL	P-53
TYPE "B" HEADWAL - CONCRETE HEADWAL FOR PIPE CULVETS	P-54
STORM SEWER PIPE EMBEDMENT DETAIL	P-55
STANDARD 3'-6" x 3'-6" TYPE "Y" INLET	P-56
SILT PROTECTION FOR CURB INLET	P-57
GENERAL DETAILS	
TEMPORARY STONE CONSTRUCTION ENTRANCE / EXIT DETAIL	P-58
STABILIZED CONSTRUCTION ENTRANCE	P-59
HAY BALE DETAIL	P-60
HAY BALE GENERAL NOTES	P-61
SILT FENCE DETAIL	P-62
SILT FENCE CONSTRUCTION NOTES	P-63
STONE OUTLET SEDIMENT TRAP DETAIL	P-64
SEDIMENT BASIN DETAIL	P-65
ROCK DAM WITH 18" CMP DETAIL	P-66
ROCK DAM WITH 18" CMP GENERAL NOTES	P-67
PERMANENT ROCK DAM DETAIL	P-68
PERMANENT ROCK DAN GENERAL NOTES	P-69

**GENERAL CONSTRUCTION  
NOTES**

## GENERAL CONSTRUCTION NOTES

1. All Construction shall be performed in strict accordance with the City of Seagoville Standards and Specifications, Construction Standards, Specifications and Regulations of the City of Dallas Water Department and Public Works Department File 251-D, and the North Central Texas Council of Governments Standards and Specification for Public Works Construction.
2. The location of utilities indicated on these plans were obtained from public records. However, it shall be the Contractor's responsibility to make arrangements with the Owner's of such utilities prior to work in the project area to confirm the exact location and elevation of these utilities, and to determine whether any additional utilities other than these shown may be present.
3. Existing paving, utilities, fences, etc. affected by the construction of the proposed utilities, shall be replaced to a condition equal to or better than its condition at the beginning of construction.
4. Prior to working in areas near gas lines or gas pipelines, the Contractor shall notify the gas or pipeline owner to verify the exact location and elevation of the existing line. Extreme "CAUTION" shall be taken when working near gas lines or pipelines.
5. Prior to construction, the Contractor shall notify the gas, telephone, electric, cable, and all other utility companies for field location and staking of their respective utilities.
6. Proper warning signs and safety signs shall be placed in the work area of streets and drives at all times with lighted, flashing lights used on each sign for night vision.
7. Contractor shall barricade all hazardous areas at the end of each days work. Special care shall be taken to minimize hazards to the public as a result of this work.
8. Contractor will be responsible for all construction layout and staking.
9. Contractor will be responsible for damage to existing sidewalks, paving, fences, lawn area, etc.. Contractor will make necessary repairs at his expense. Damaged sidewalks and paving shall be replaced with new of the same thickness, dimension, surface color and texture. Damaged pavement shall be removed and replaced with a pavement of similar material and depth. Ruts left in lawn area shall be filled with top soil material to restore a smooth mowable surface.
10. Contractor shall provide trench safety plans and submit to the City and Engineer prior to beginning of construction, if required.
11. Contractor is responsible for maintaining adequate site drainage at all times during construction.
12. Backfill shall be native material free of rock and concrete and compacted to 95% of Standard Proctor Density.
13. Notification shall be given to the City and Engineer prior to any work delays or proposed changes. If construction problems become present, the City and Engineer shall be notified before any alternate actions are taken.
14. All excess and excavated material from construction of this project will become the property of the Contractor, and shall be removed immediately from the job site, and shall be disposed of off site at a location approved by the City.
15. Contractor shall be responsible for barricading and plating existing street and drives at the end of each days work.
16. The Contractor will be required to furnish to the City of Seagoville appropriate Insurance, Payment and Performance Bonds prior to commencing of work. At completion of work, a Lien Release and One Year Maintenance Bond covering the date of final acceptance of work shall be provided to the City.
17. It will be the responsibility of the Contractor to protect all public and private utilities in the construction of this project. Repairs to damaged water lines, sewer lines or other utilities will be made at the contractors expense.
18. Contractor shall pay for all testing of this project, including but not limited to, soil density, concrete quality, hydrostatic and bacteriological testing. Copies of all test reports shall be submitted to the City.

19. All utility trenches shall be tamped in 12 inch loose lifts at  $+/- 2\%$  of optimum moisture content, so that compaction meets a minimum of 90% of Standard Proctor Density in non paved areas and 95% Standard Proctor Density within street or driveway paving.
20. Damaged trees shall be neatly trimmed and cut ends painted with special tree trimming paint. Ruts left in grass areas shall be filled with top soil material and graded to a smooth mowable surface.
21. Contractor shall provide flagmen at both ends of construction at all times.
22. Barrier-free curbs and ramps shall be constructed at all street, alley and driveway intersection as per City of Dallas Construction Standards.
23. Contractor shall provide all necessary work, materials and appurtenances for completion of this project.
24. In the event an item is not covered in the City specification, the City and City Engineer shall have final decision on all construction materials, method and procedures.

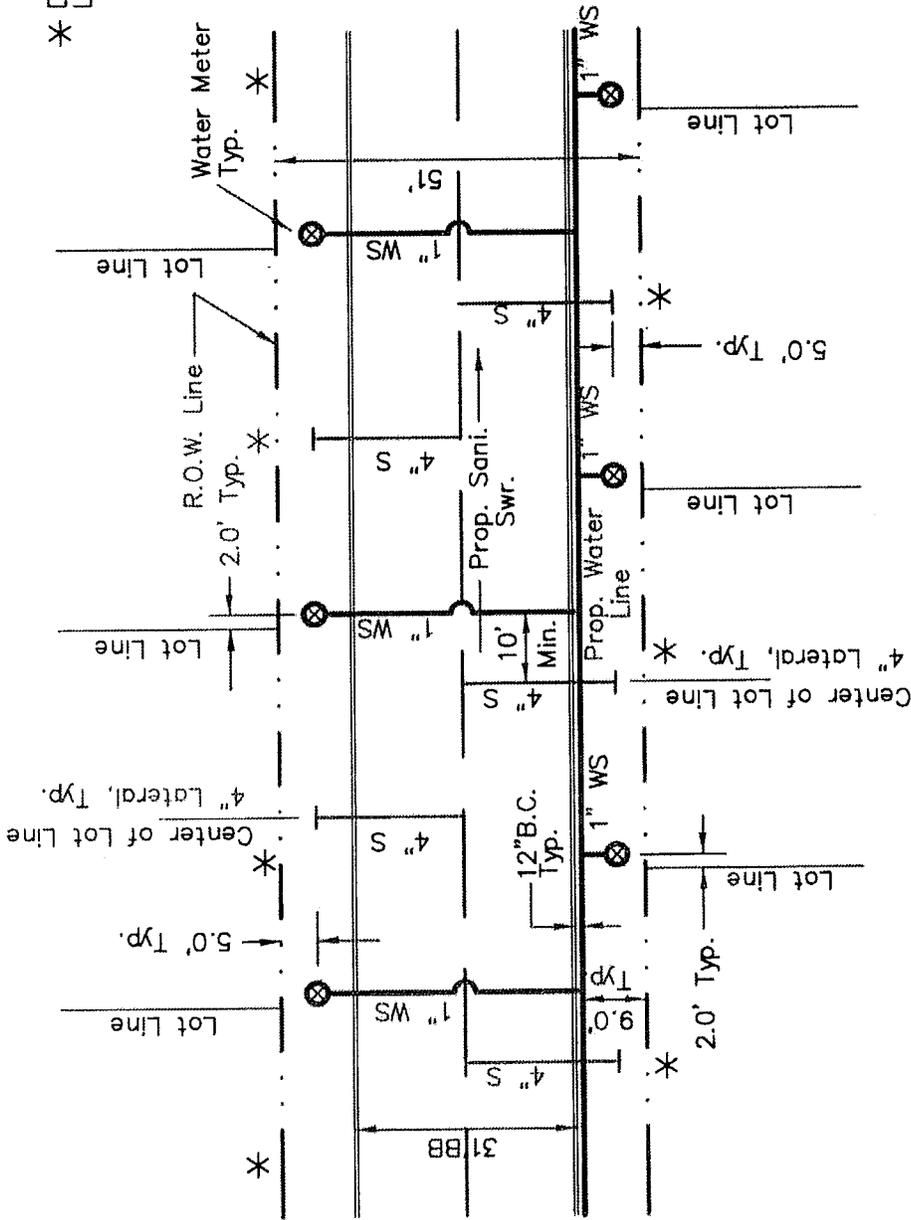
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**WATER MAIN  
CONSTRUCTION NOTES**

## WATER MAIN CONSTRUCTION NOTES

1. When installing new water main, new copper service shall be furnished, installed and connected. The new service shall be continuous from the main to the meter with no couplings. Only compression fittings will be allowed.
2. Mueller corporation compression fittings shall only be allowed.
3. Factory tees shall be used for service connections larger than 1 inch. Use Iron Pipe threaded corporation fittings with double strap brass saddles for service connections of one inch or less.
4. Existing water mains being replaced shall be cut and plugged and abandoned in place.
5. The contractor shall install the proposed water line a minimum of 48 inches ( top of pipe) below top of existing grade or pavement, unless otherwise shown or noted in these plans.
6. Water pipe shall be PVC C-900, DR14, Class 200 pipe.
7. Contractor shall furnish and install Bass and Hays style 34A1S, 18"x 14" galvanized meter box and lid.
8. Contractor shall perform an Hydrostatic and Bacteriological test for the proposed water line, and shall be approved by the City and State prior to physical connection to the existing potable water system.
9. The Contractor shall be responsible for maintaining water service at all times during construction of this project, except as authorized by the City.
10. All water service shall be Black ENDOPOLY, SDR 9, see detail.
11. Fire Hydrants shall be Mueller improved type. Fire Hydrant shall have a 5" Storz Connection with cap.
12. All Cast Iron fittings shall be Mueller brand.
13. Repair clamps, if needed, shall be Smith-Blair stainless steel.
14. Contractor shall pour a 2'x 2'x 4" thick concrete pad around water valve stack, See detail.
15. Where water line crosses above sanitary sewer line by less than two foot vertical, concrete encasement shall be installed. Contractor shall center one joint of pipe at crossing. Crossing shall meet TCEQ requirements. See detail.
16. Contractor shall provide adequate concrete thrust blocking at all Tees, Bends, Fittings, and Fire Hydrants as detailed on plans, and as per City of Dallas Water Utilities Standard Appurtenances for construction.
17. Contractor to replace all existing services as shown on plans.
18. All water service replacement on the opposite side of the street of the existing or proposed water line shall be by Bore only, no open cut will be permitted.
19. Contractor shall raise new water meter and box to match finished grade.
20. Contractor shall provide temporary water service necessary for completion of the proposed water line. Also, remove existing water line as necessary for construction of proposed water line. Existing water line shall be disposed of off site by the Contractor.
21. MEGA LUG retainer glands shall be furnished and installed at all fittings.
22. Bore of existing paving shall be by dry method only.
23. Contractor shall furnish and install double strap brass saddle for all service connections to proposed water line.

WaterMainConstNotes

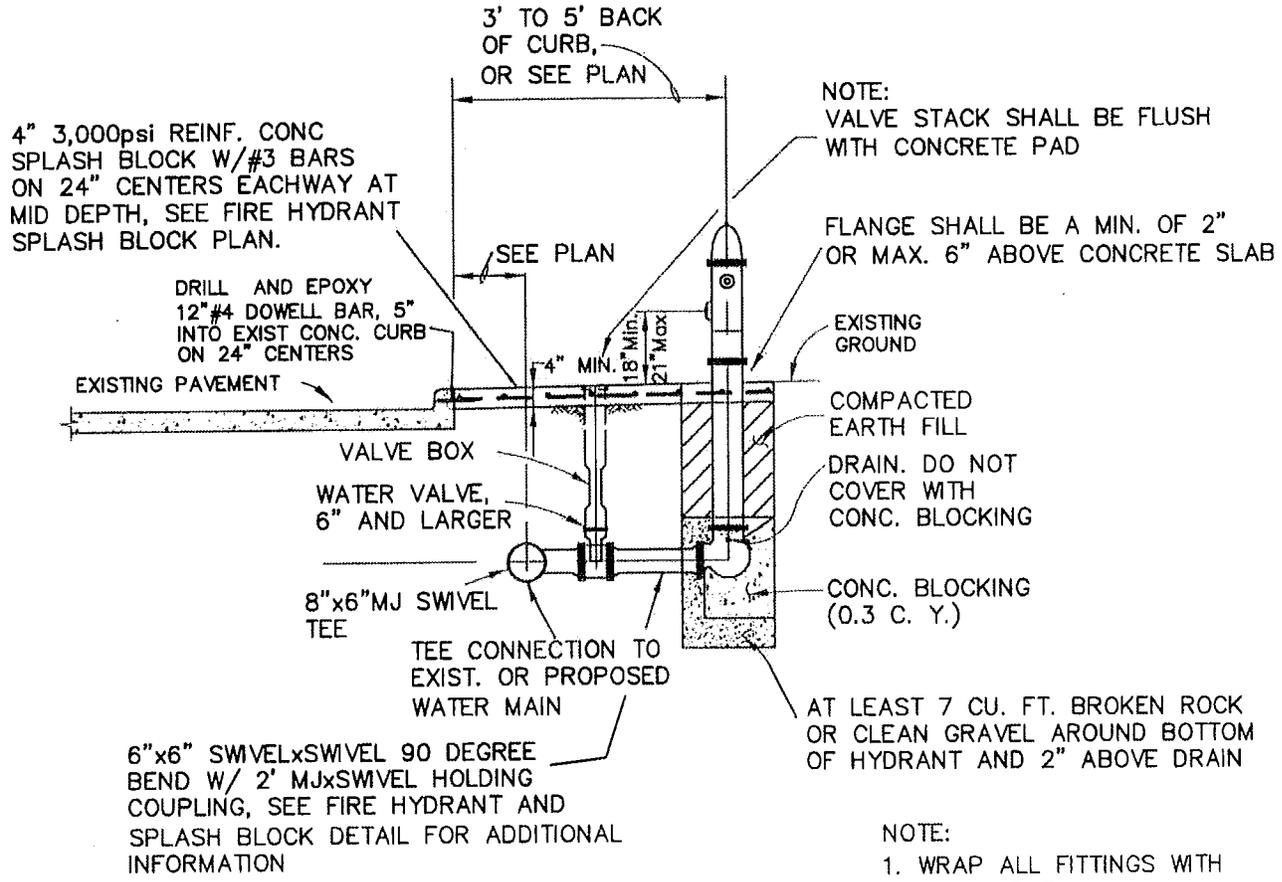


\* Denotes:  
Lot width as per plat

1. All water services to be installed 2' from lot line as shown.
2. All sanitary sewer laterals are to be installed at center of lot, or a min. of 10' upstream of water service, as shown.
3. End water service and sanitary sewer laterals 5' from property line.
4. Mark water service location on curb with a single notch.
5. Mark sanitary sewer lateral location on curb with a double notch.

## TYPICAL WATER AND SEWER SERVICE DETAIL

NTS



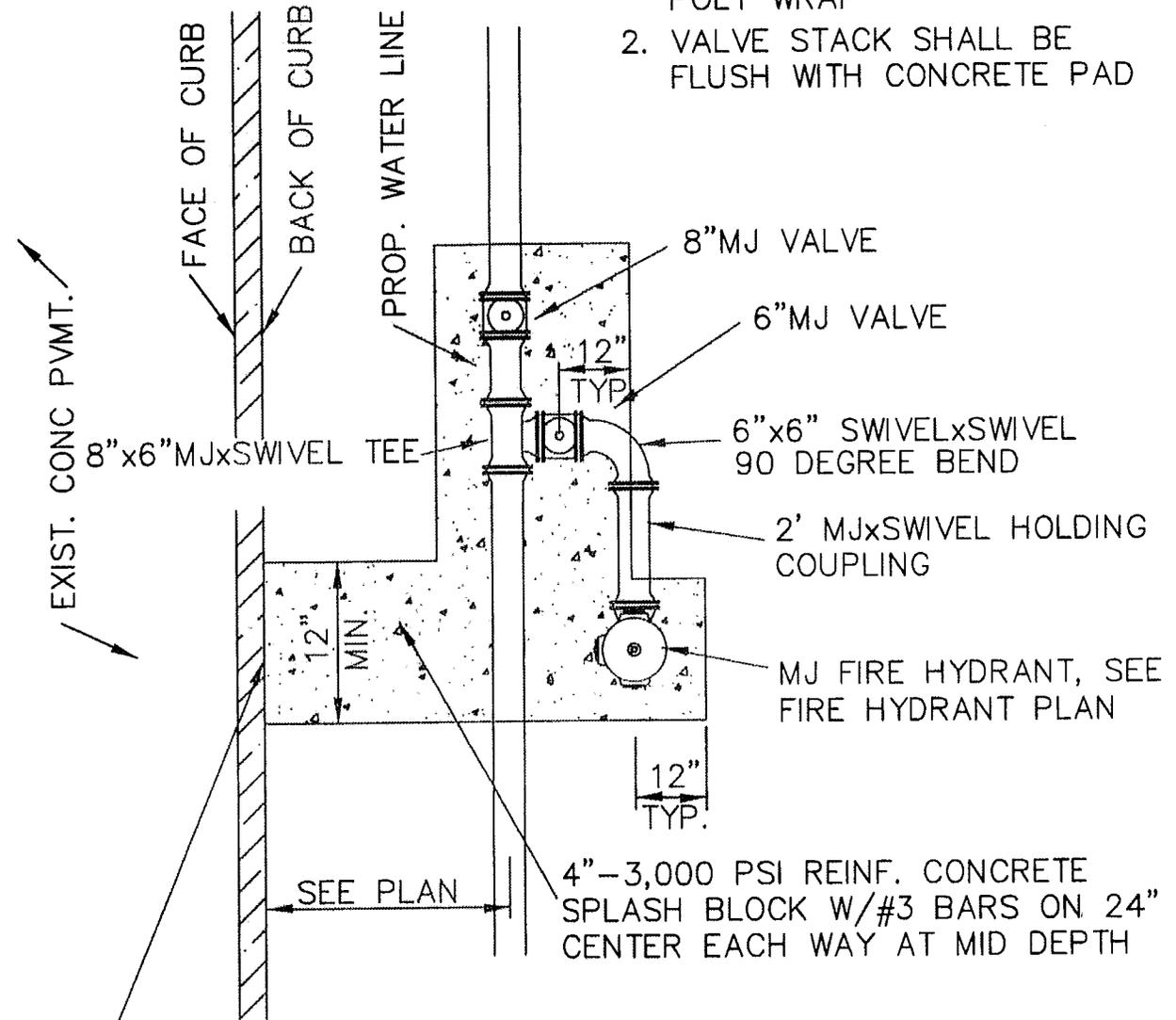
**FIRE HYDRANT PLAN**

NOT TO SCALE

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NOTE:

1. WRAP ALL FITTINGS WITH POLY WRAP
2. VALVE STACK SHALL BE FLUSH WITH CONCRETE PAD



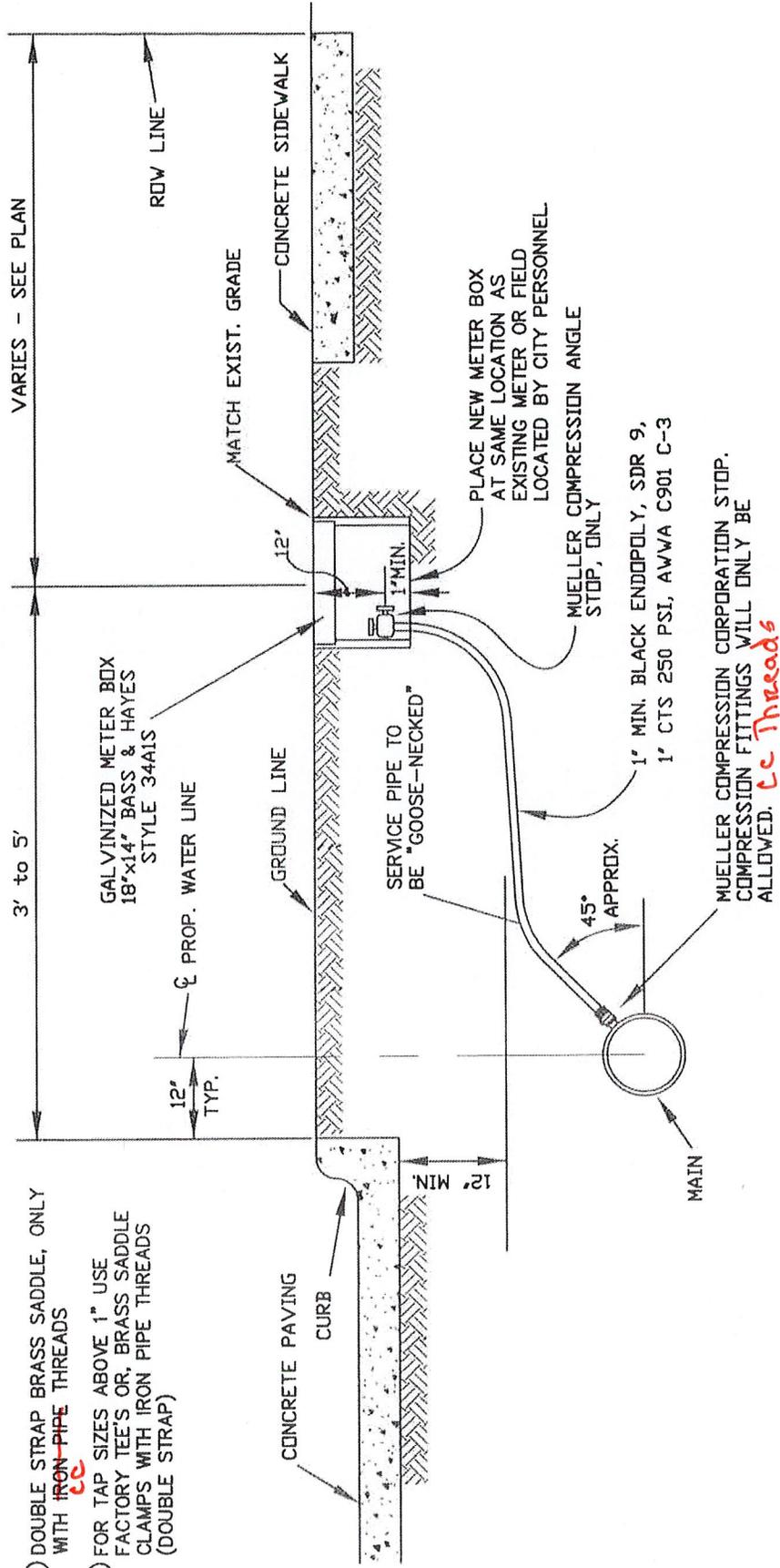
DRILL AND EPOXY 12" # 4 BARS  
5" INTO EXIST. CONC. CURB ON  
24" CENTERS, SEE FIRE HYDRANT  
PLAN

FIRE HYDRANT AND SPLASH  
BLOCK DETAIL

C:\4\FH SplashBlock

NOTE:  
 WATER SERVICES SHALL NOT BE CONNECTED TO FIRE HYDRANT LINES.  
 ALL MATERIALS SHALL CONFORM TO THE CITY STANDARD SPECIFICATIONS  
 AND/OR SPECIAL PROVISIONS.

- ① DOUBLE STRAP BRASS SADDLE, ONLY  
 WITH ~~IRON-PIPE~~ <sup>cc</sup> ~~THREADS~~
- ② FOR TAP SIZES ABOVE 1" USE  
 FACTORY TEE'S OR, BRASS SADDLE  
 CLAMPS WITH IRON PIPE THREADS  
 (DOUBLE STRAP)



## TYPICAL WATER SERVICE DETAIL (POLY)

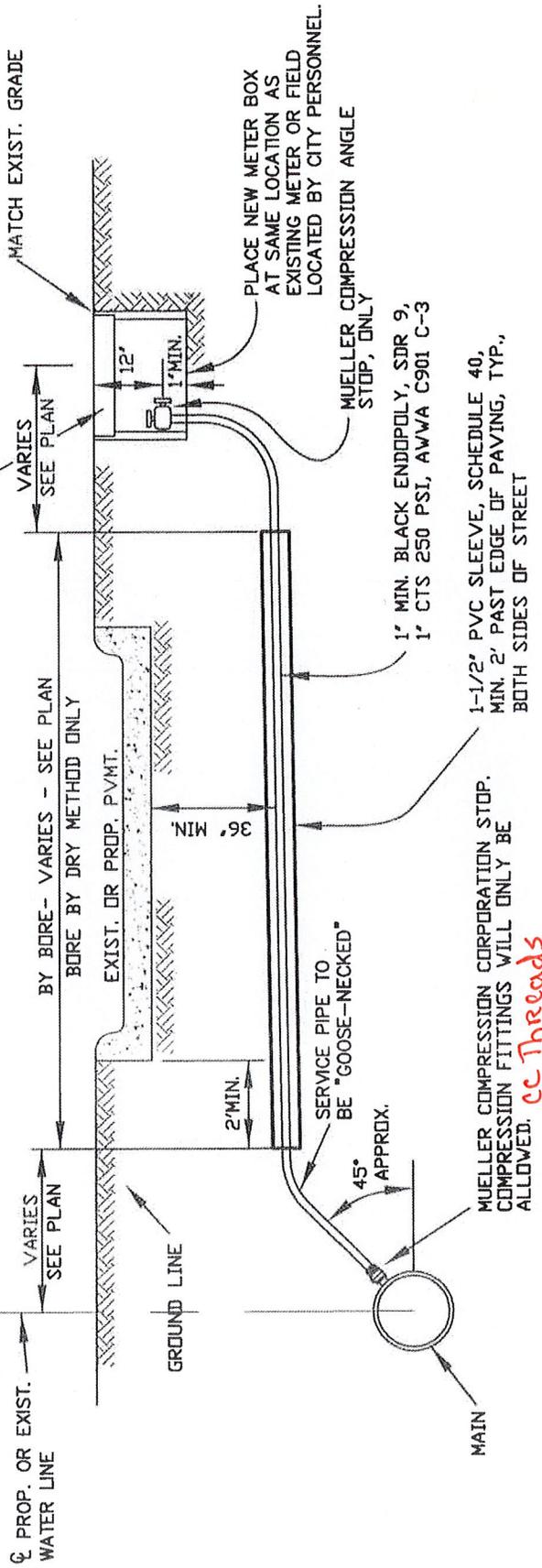
NTS

NOTE:  
 WATER SERVICES SHALL NOT BE CONNECTED TO FIRE HYDRANT LINES.  
 ALL MATERIALS SHALL CONFORM TO THE CITY STANDARD SPECIFICATIONS  
 AND/OR SPECIAL PROVISIONS.

- ① DOUBLE STRAP BRASS SADDLE, ONLY WITH ~~IRON PIPE~~ **cc** THREADS
- ② FOR TAP SIZES ABOVE 1" USE FACTORY TEE'S OR BRASS SADDLE CLAMPS WITH ~~IRON PIPE~~ **Iron Pipe** THREADS (DOUBLE STRAP)

1. INSTALL PVC SLEEVE MIN. 2' PAST EDGE OF PAVING, TYP. BOTH SIDES OF STREET
2. FOR EXISTING PAVING BORE WILL BE REQUIRED, FOR PROPOSED PAVING BORE IS NOT REQUIRED.

GALVANIZED METER BOX  
 18"x14" BASS & HAYES  
 STYLE 34A1S



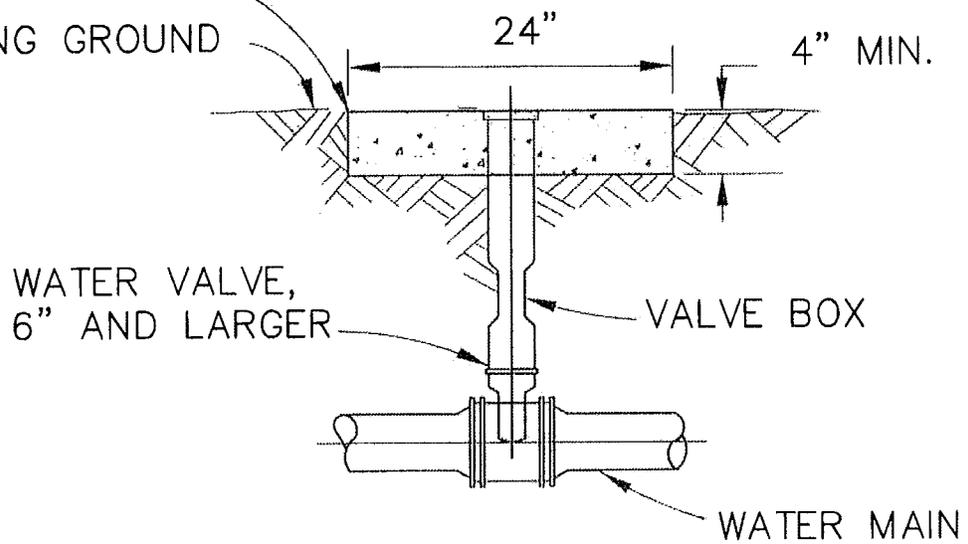
MUELLER COMPRESSION CORPORATION STOP.  
 COMPRESSION FITTINGS WILL ONLY BE ALLOWED. **cc Threads**

**TYPICAL WATER SERVICE DETAIL (POLY)**

NTS

CONC. SLAB 24" SQUARE  
SHALL BE POURED AROUND  
VALVE BOXES

EXISTING GROUND



NOTE:  
VALVE STACK SHALL BE FLUSH  
WITH CONC. PAD

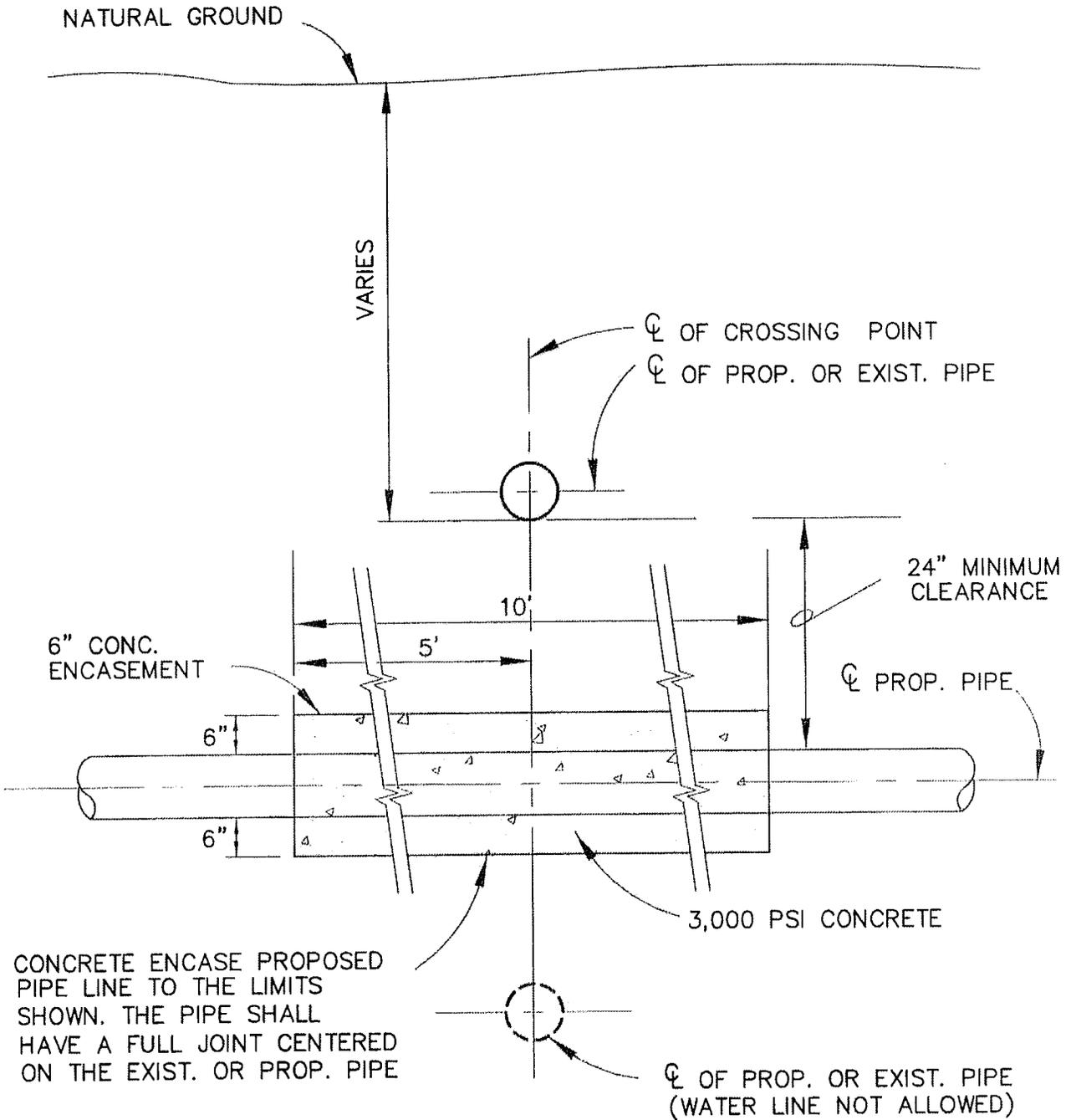
## CONCRETE VALVE PAD DETAIL

NOT TO SCALE

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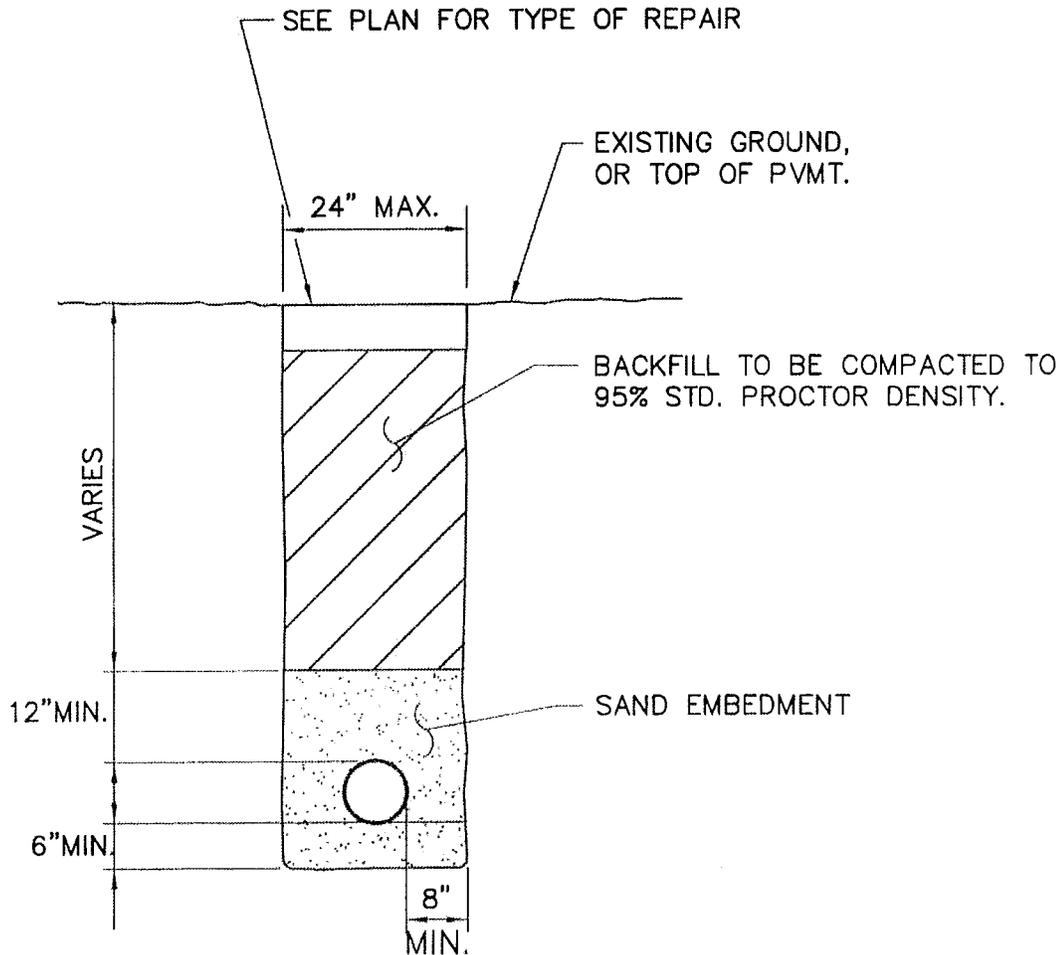
NOTE:  
 FOR CREEK CROSSING ENCASE  
 ENTIRE PIPE, TOP & BOTTOM.



CONCRETE ENCASEMENT  
DETAIL

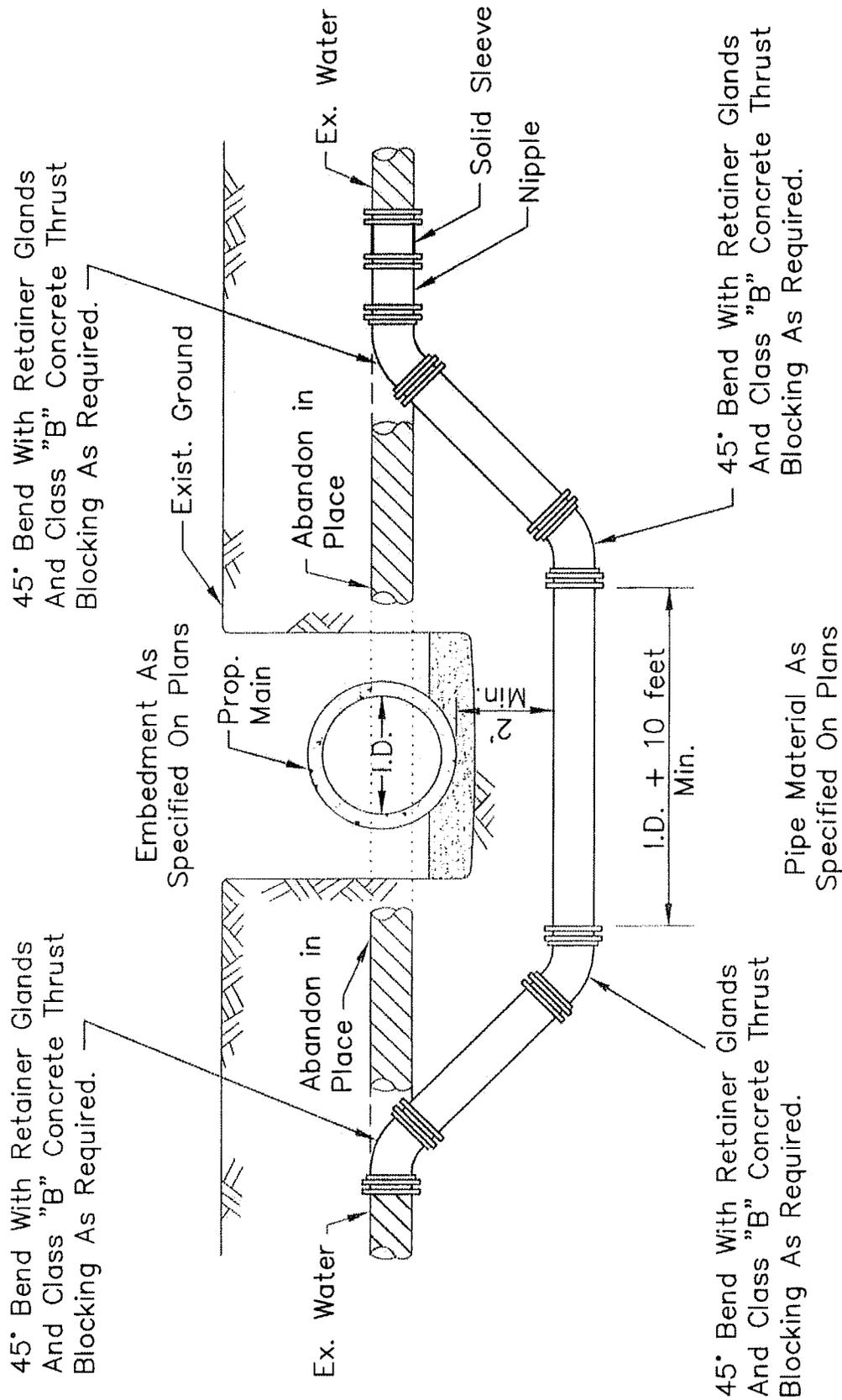
N.T.S.

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**WATER PIPE  
EMBEDMENT DETAIL**

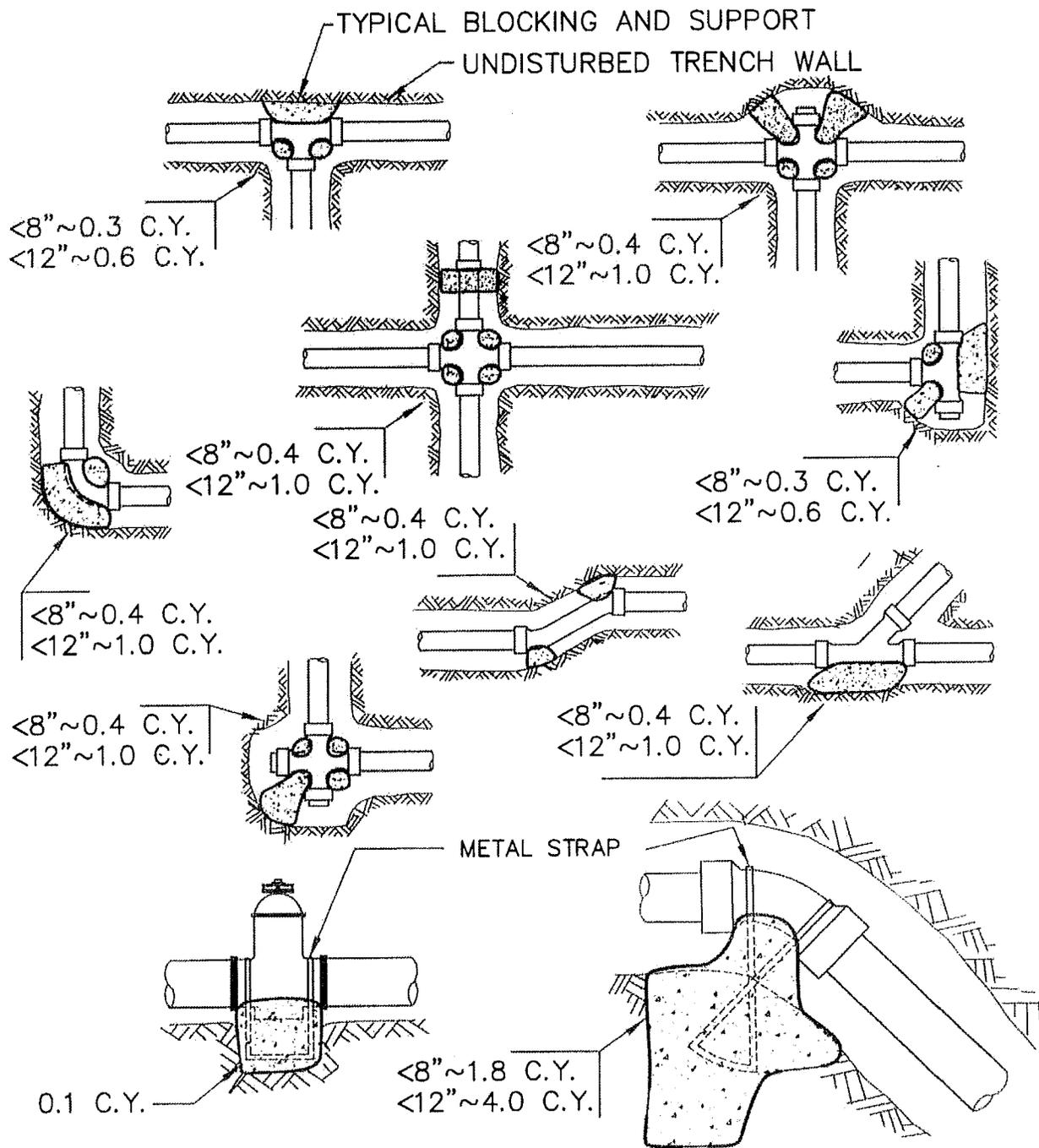
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## STANDARD WATER MAIN LOWERING

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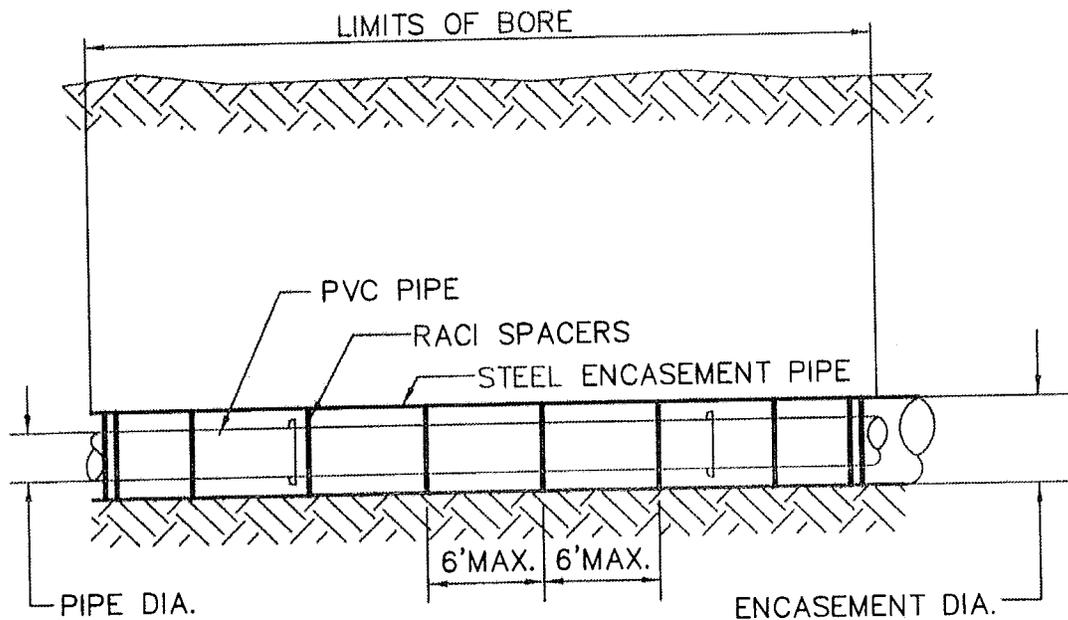
## BLOCKING DETAILS

CONCRETE FOR BLOCKING SHALL HAVE A COMPRESSIVE STRENGTH OF NOT LESS THAN 3,000 P.S.I. AT 28 DAYS. BLOCKING SHALL BE PLACED AGAINST UNDISTURBED TRENCH WALL AND SHALL NOT COVER JOINT.

C: \4\BLOCKING.DWG:

NOTES:

1. USE RACI SPACERS FOR PIPE INSTALLATION.
2. MAXIMUM OF 6.0 FEET SPACINGS.
3. SPACERS SHALL BE DOUBLED AT END OF CASING PIPE.
4. FOR 8 INCH SEWER PIPE USE 12 INCH STEEL PIPE, VARIES SEE PLAN.
5. INSTALL SPACER ONE FOOT EITHER SIDE OF BELL.
6. SEAL END OF CASING PIPE WITH WRAP AROUND SEAL.

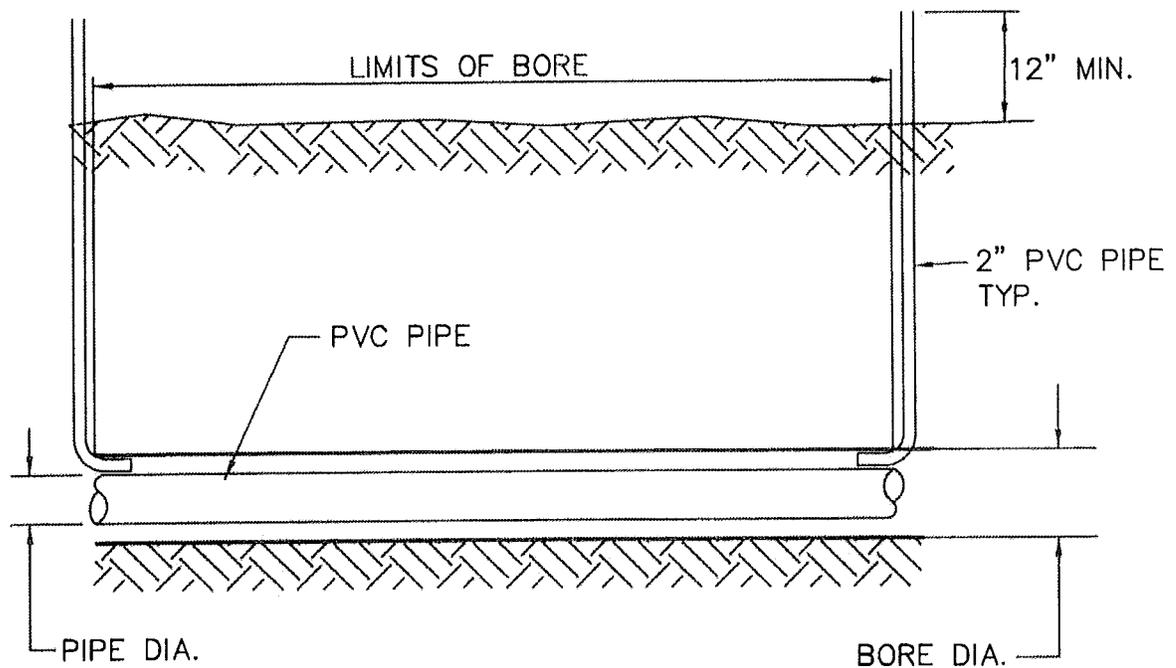


BORE DETAIL  
WITH RACI SPACERS

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NOTES:

PRESSURE GROUT 2,000 PSI SAND/CEMENT MIXTURE INTO BORE HOLE AFTER BACKFILL OF BORE PIT. PUMP THROUGH PIPE AT ONE END UNTIL SAND/CEMENT MIXTURE FLOWS OUT PIPE AT THE OTHER END OF BORE. PLUG PIPES. NO ENCASEMENT PIPE REQUIRED UNLESS UNSTABLE SOIL IS ENCOUNTERED.



## BORE GROUTING DETAIL

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**SANITARY SEWER MAIN  
CONSTRUCTION NOTES**

## SANITARY SEWER MAIN CONSTRUCTION NOTES

1. Sewer flow must be maintained at all times during construction of this project. Prior to construction, Contractor shall secure approval from the City as to the method proposed to maintain sewer flow. It is the intent to remove and replace existing sewer line with proposed sewer pipe in the same trench. In the event existing sewer line is not located where shown on plans, construct proposed sewer line at location shown on plans. When sewer line construction is stopped for end of the day, the Contractor shall make a temporary connection of existing sewer line to the proposed sewer line. When the existing sewer line is no longer needed, the existing sewer line shall be pumped out, plugged and abandoned in place.
2. Contractor shall replace sewer lateral line, from proposed sewer line to proposed cleanout at existing property line or fence line with SDR 26 PVC sewer pipe. Install lateral cleanout 12 inches off property line or fence line. Replacement of house sewer lateral line, from proposed cleanout to existing house shall be Schedule 40 PVC pipe. See Detail.
3. All sanitary sewer main lines shall be SDR 26 PVC pipe (except as noted on plans), all lateral lines shall be SDR 26 PVC pipe.
4. Where water line crosses above sanitary sewer line by less than two feet vertical, concrete encasement shall be installed. Contractor shall center one joint of pipe at crossing. Crossing shall meet TCEQ requirements. See detail.
5. Prior to construction, Contractor shall field verify exact location and elevation of existing water service and fire hydrant lines, at each location, to avoid damage to service during construction of proposed line.
6. Prior to construction, Contractor shall field verify exact location and elevation of sewer service line, in front or rear of house for connection to proposed sewer line.
7. Where sewer main line crosses a creek, concrete encasement shall be installed above and below the pipe. See detail.
8. Contractor shall conduct a Sewer air pressure test as per City and NCTCOG Specifications, and shall be approved by the City prior to final acceptance of project.
9. Contractor shall install lateral line cleanout as shown on construction plans. See detail.
10. Contractor shall pour 4 inch concrete pad around sewer main line cleanout and lateral line cleanout. See detail.
11. All manholes shall be watertight and shall be vacuum tested for leaks prior to final acceptance of project.
12. All new manholes shall have a 500 mil sprayed applied monolithic high build epoxy coating. (Spectra Shield Liner system or approved equal).
13. Prior to final acceptance, Contractor shall pull a mandrel through the proposed sewer line, TV sewer line and provide a DVD to the City for viewing. DVD of sewer line shall be given to the City for reviewing after all work has been completed on sewer line.

SanitarySewerGenNotes

NOTES:

1. MANHOLE SHALL BE WATERTIGHT.
2. MANHOLE SHALL BE VACUUM TESTED FOR LEAKAGE.
3. MANHOLE SHALL BE CAST IN PLACE OR PRECAST.
4. CONCRETE FOR CAST-IN-PLACE MANHOLE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 4200 P.S.I. AND SHALL CONTAIN 6.5 SACKS OF CEMENT PER CUBIC YARD, SLUMP LESS THAN 4", VIBRATED IN PLACE.
5. MANHOLES SHALL BE BUILT ON THE MAIN SEWER LINE, LATERAL PIPES MAY NOT ENTER MANHOLES.
6. MANHOLES WILL BE MEASURED AND PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, REGARDLESS OF DEPTH OF MANHOLE.
7. CAST IN PLACE MANHOLE MAY NOT BE BACKFILLED UNTIL CONCRETE HAS SET FOR A MINIMUM OF 24 HOURS.
8. CONSTRUCTION OF MANHOLE SHALL MEET N.T.C.O.G. STANDARDS AND SPECIFICATION, AND THE CITY OF DALLAS APPURTENANCE FOR SANITARY SEWER CONSTRUCTION.

BASS & HAYS #VRM-30 BOLT DOWN RING & COVER (30" CLEAR OPENING)

FORM MARKS INSIDE OF MANHOLE SHALL BE SMOOTHED

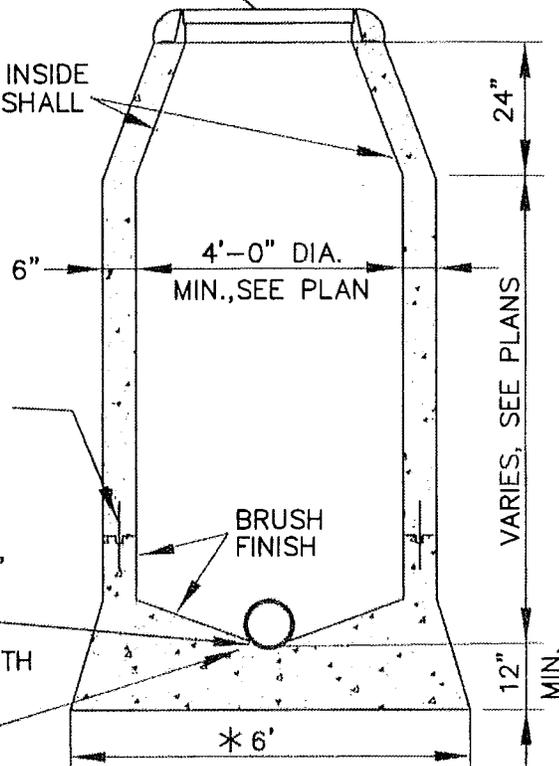
NOTE:  
SEE CONSTRUCTION NOTES FOR EPOXY COATING.

CONSTRUCTION JOINT WITH KEY WAY WATERSTOP, 12" NO. 3 BARS @ 12" O.C., EXTENDED 6" INTO WALL (NOT REQUIRED FOR CONTINUOUS POUR), TYPICAL.

FIRST MAIN JOINT TO BE A MIN. OF 5' LONG PAST EDGE OF MH, WITH CONC. CRADEL (POURED CONTIGUOUS WITH CONCRETE BASE) UNDER ENTIRE LENGTH OF PIPE.

PIPE DIAMETER, SEE PLAN

\*DIAMETER OF CONCRETE BASE SHALL BE THE INSIDE DIAMETER OF MANHOLE PLUS 2 FEET.



REVISED 5-09; REVISED MANHOLE LID TO 30" CLEAR OPENING

**STANDARD MANHOLE DETAILS**

NOT TO SCALE

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NOTES:

1. MANHOLE SHALL BE WATERTIGHT.
2. MANHOLE SHALL BE VACUUM TESTED FOR LEAKAGE.
3. MANHOLE SHALL BE CAST IN PLACE OR PRECAST.
4. CONCRETE FOR CAST-IN-PLACE MANHOLE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 4200 P.S.I. AND SHALL CONTAIN 6.5 SACKS OF CEMENT PER CUBIC YARD, SLUMP LESS THAN 4", VIBRATED IN PLACE.
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BASS & HAYS #VRM-30 BOLT DOWN RING AND COVER (30" CLEAR OPENING)

NOTE:  
SEE CONSTRUCTION NOTES FOR EPOXY COATING

P.V.C. PIPE, AS REQ'D.

6" REVERSE 45° P.V.C. WYE

6", 45° BEND

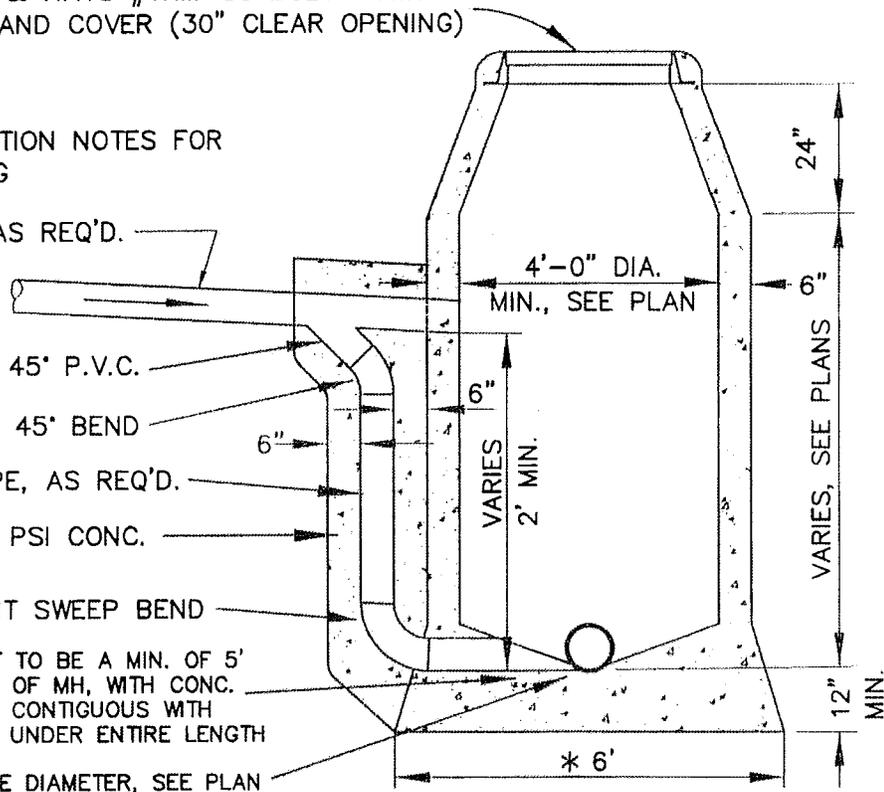
6" P.V.C. PIPE, AS REQ'D.

3,000 PSI CONC.

6", 90° SHORT SWEEP BEND

FIRST MAIN JOINT TO BE A MIN. OF 5' LONG PAST EDGE OF MH, WITH CONC. CRADLE (POURED CONTIGUOUS WITH CONCRETE BASE) UNDER ENTIRE LENGTH OF PIPE.

PIPE DIAMETER, SEE PLAN



NOTE:  
SEE STANDARD MANHOLE DETAIL FOR ADDITIONAL INFORMATION

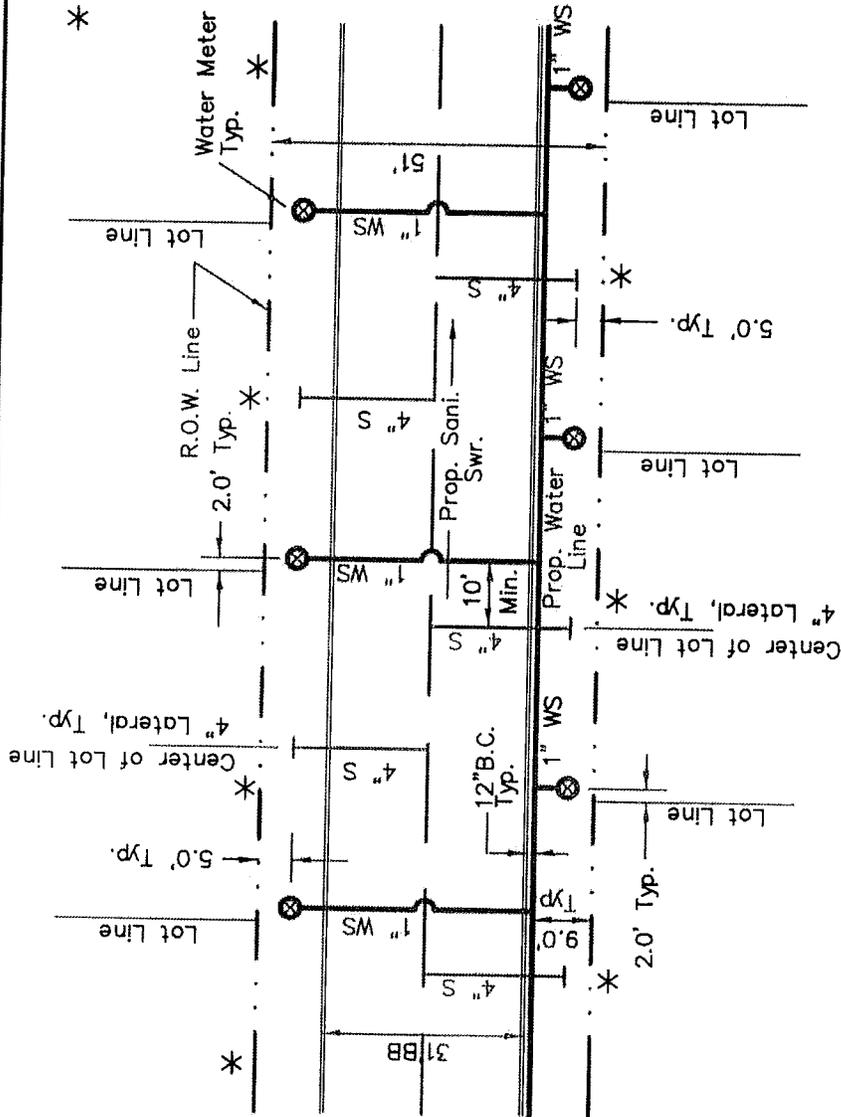
\*DIAMETER OF CONCRETE BASE SHALL BE THE INSIDE DIAMETER OF MANHOLE PLUS 2 FEET.

REVISED 5-09; REVISED MANHOLE LID TO 30" CLEAR OPENING

## STANDARD DROP MANHOLE DETAILS

NOT TO SCALE

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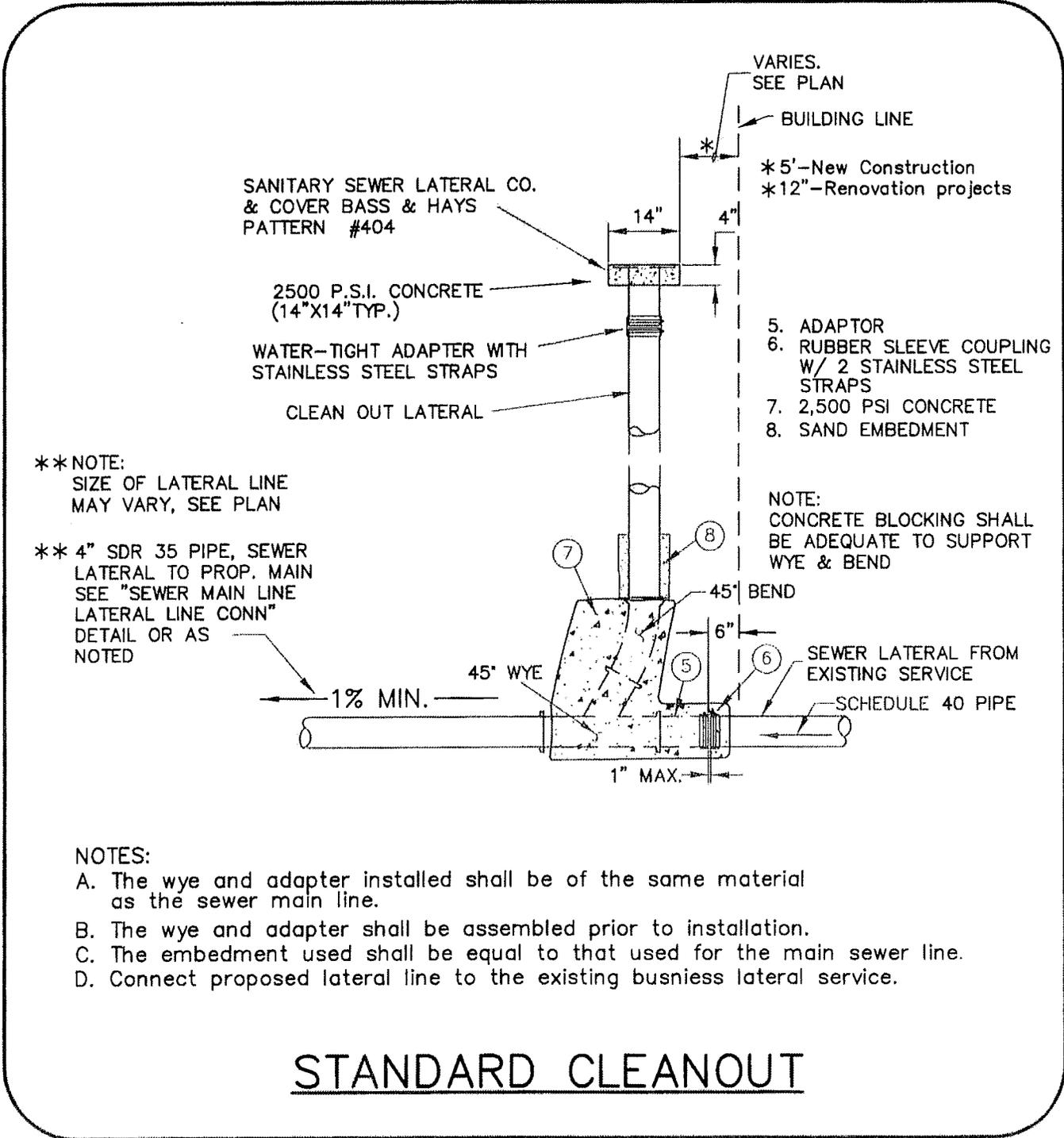


\* Denotes:  
Lot width as per plat

1. All water services to be installed 2' from lot line as shown.
2. All sanitary sewer laterals are to be installed at center of lot, or a min. of 10' upstream of water service, as shown.
3. End water service and sanitary sewer laterals 5' from property line.
4. Mark water service location on curb with a single notch.
5. Mark sanitary sewer lateral location on curb with a double notch.

## TYPICAL WATER AND SEWER SERVICE DETAIL

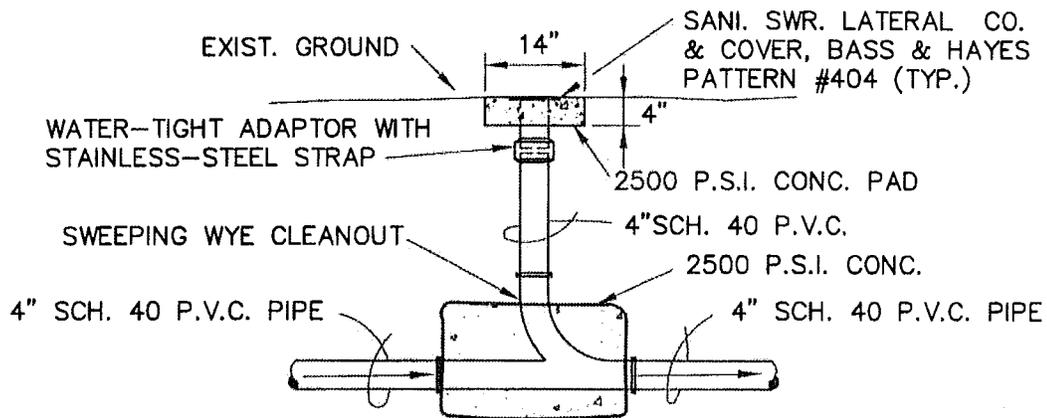
NTS



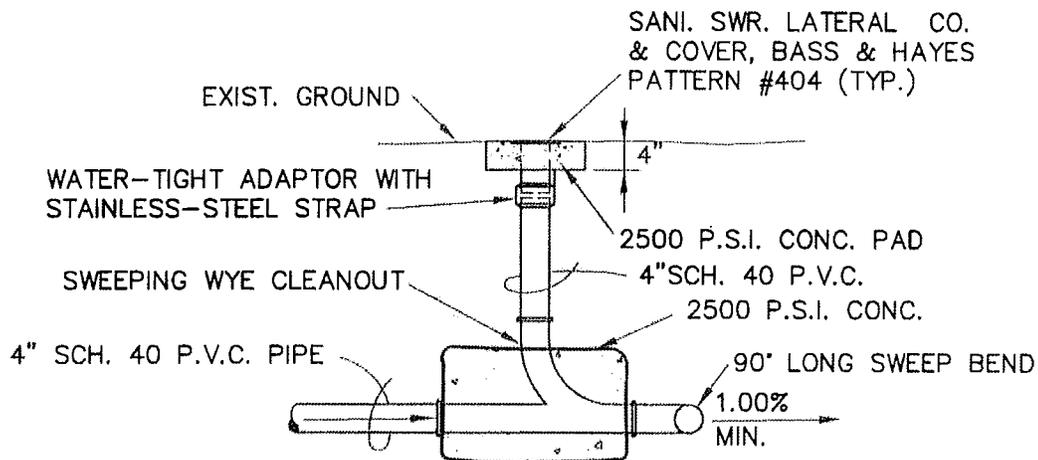
NOTES:

- A. The wye and adapter installed shall be of the same material as the sewer main line.
- B. The wye and adapter shall be assembled prior to installation.
- C. The embedment used shall be equal to that used for the main sewer line.
- D. Connect proposed lateral line to the existing business lateral service.

C:\4\CLEANOUT.DWG

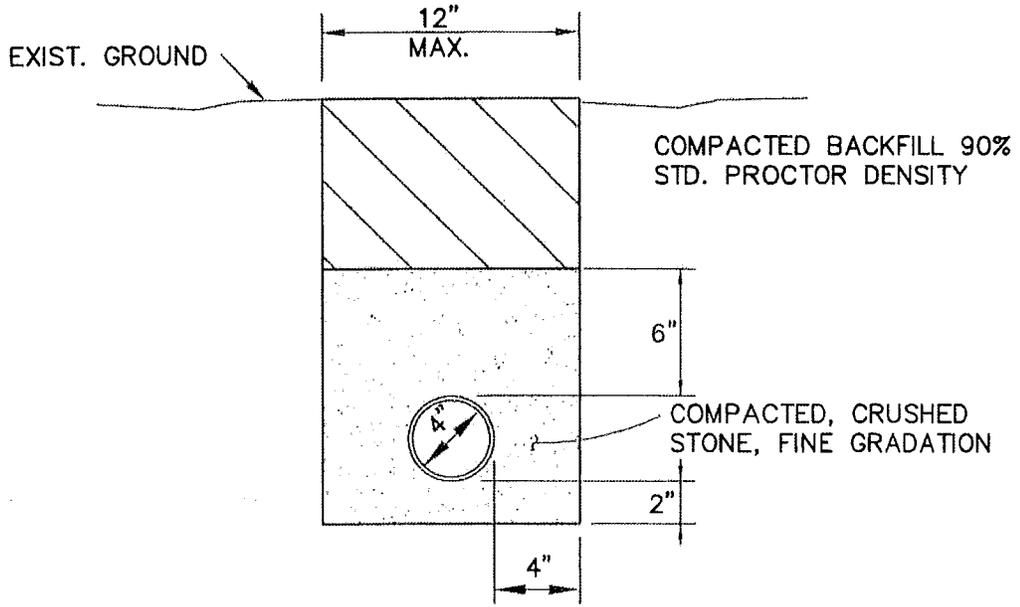


**SWEEPING CLEANOUT**  
N.T.S.

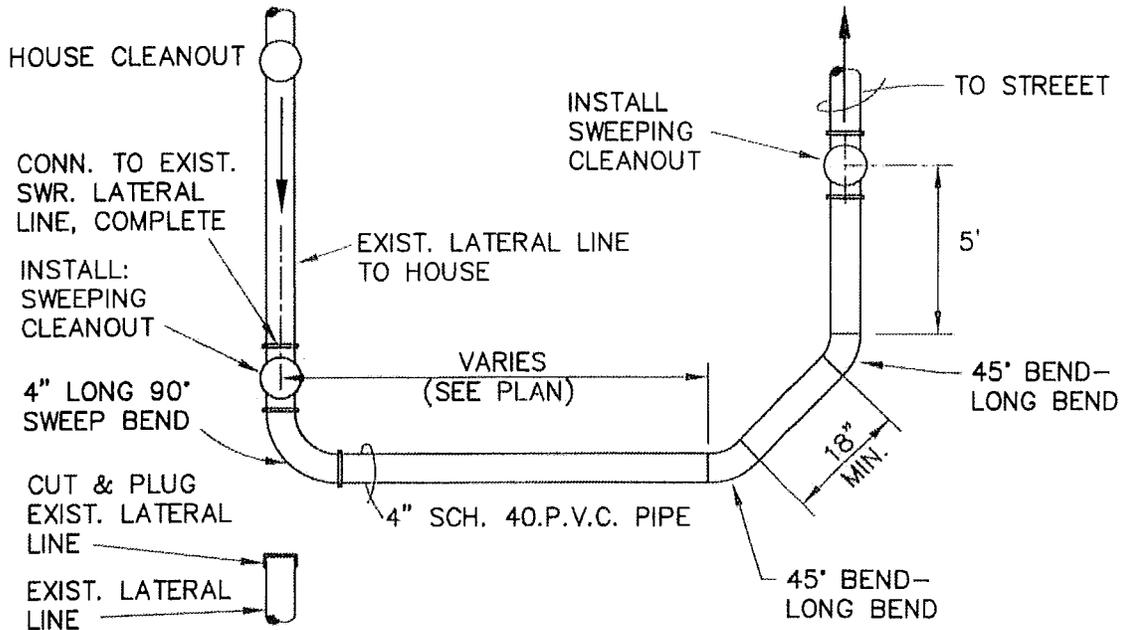


**HOUSE CLEANOUT**  
(RESIDENTIAL USE ONLY)  
N.T.S.

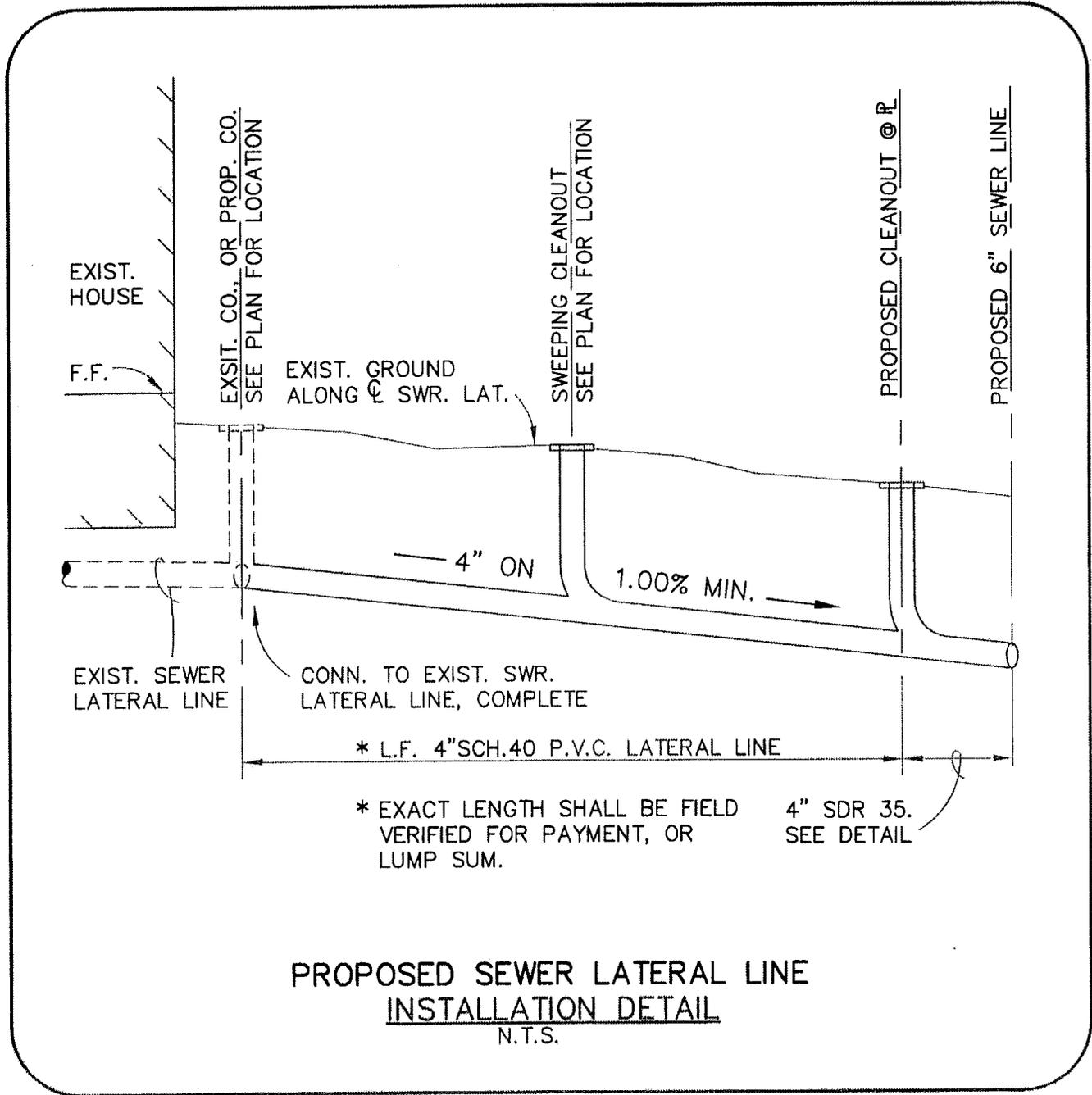
NOTE:  
ALL FITTINGS SCHEDULE  
40 P.V.C. PIPE



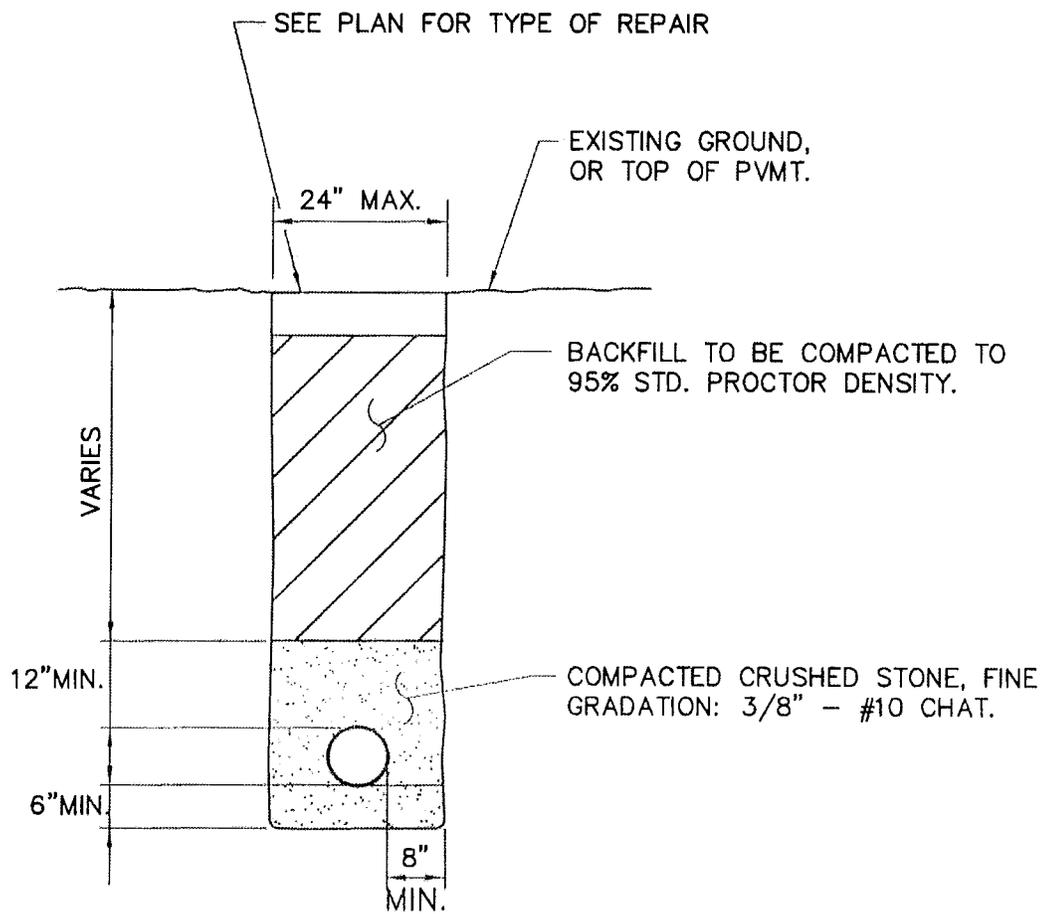
**P.V.C. LATERAL LINE  
EMBEDMENT DETAIL**  
N.T.S.



**RESIDENTIAL LATERAL LINE &  
CLEANOUT DETAIL**  
N.T.S.



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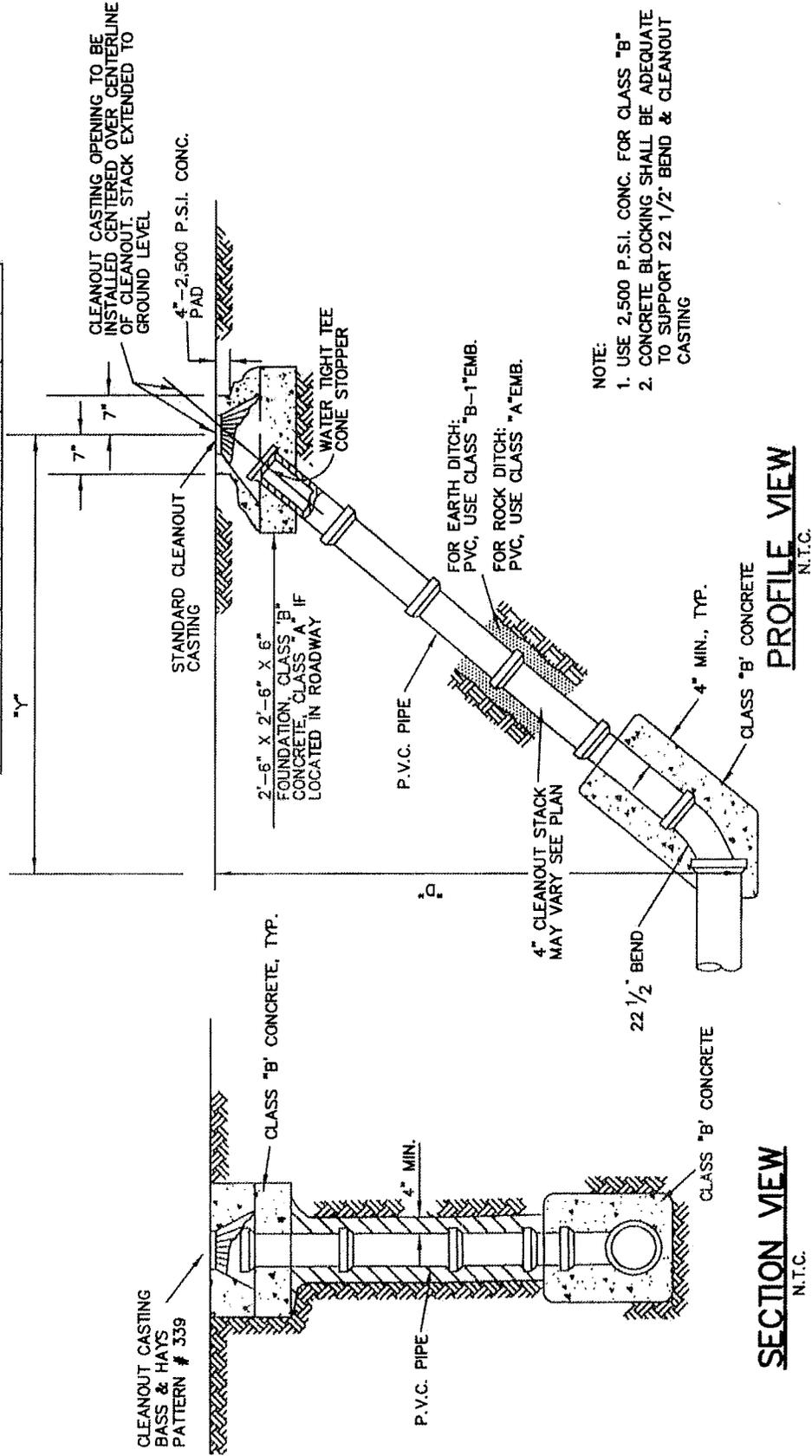


## SANITARY SEWER PIPE EMBEDMENT DETAIL

NOT TO SCALE

C: \4\EmbedSS.DWG

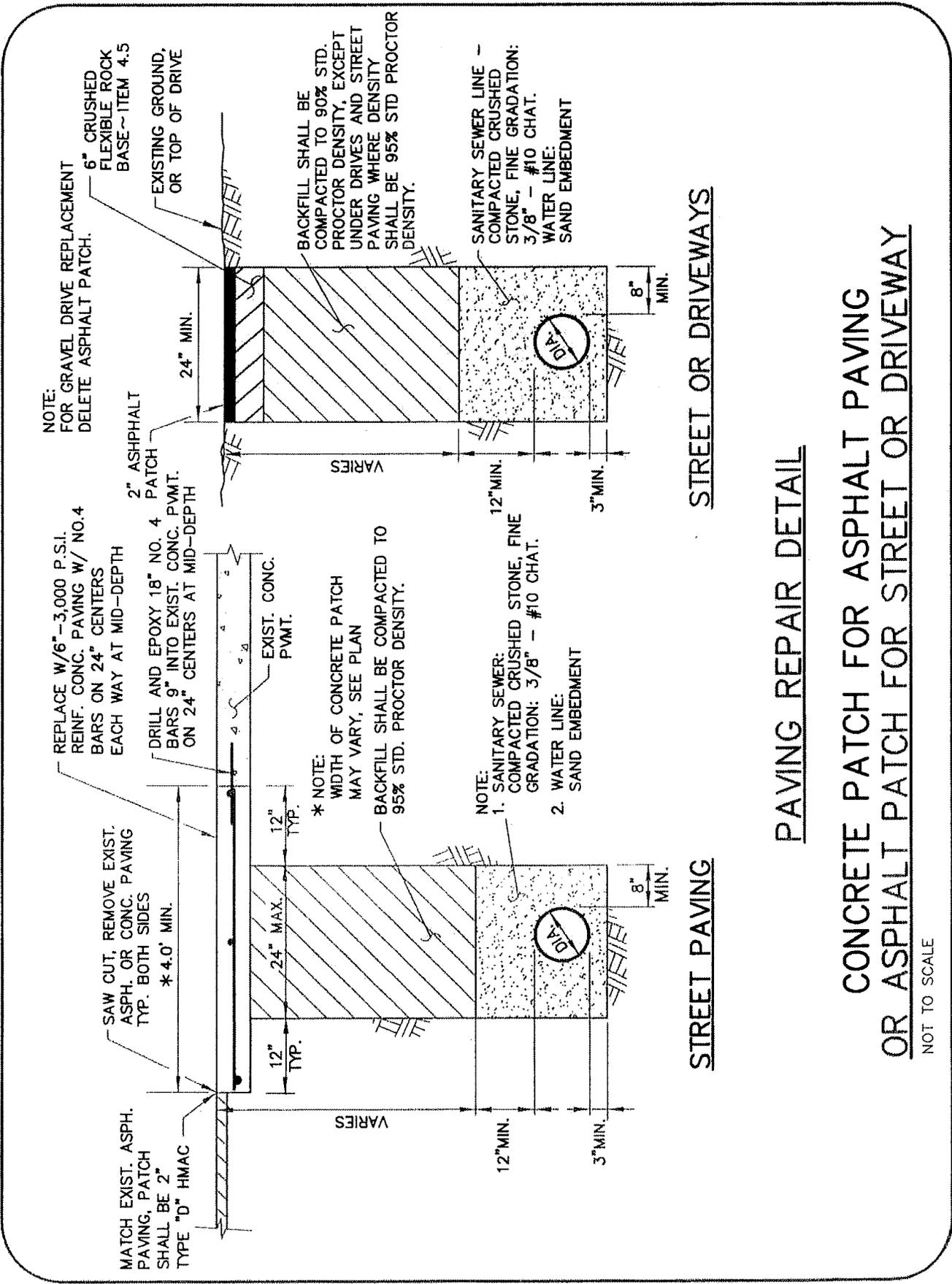
CLEANOUT LENGTH										
"D"	4'	5'	6'	7'	8'	9'	10'	11'	12'	
"Y"	10'	12'	14'	17'	19'	20'	22'	24'	27'	



# STANDARD MAINLINE CLEANOUT

NOT TO SCALE

C: /4/MainlineCO



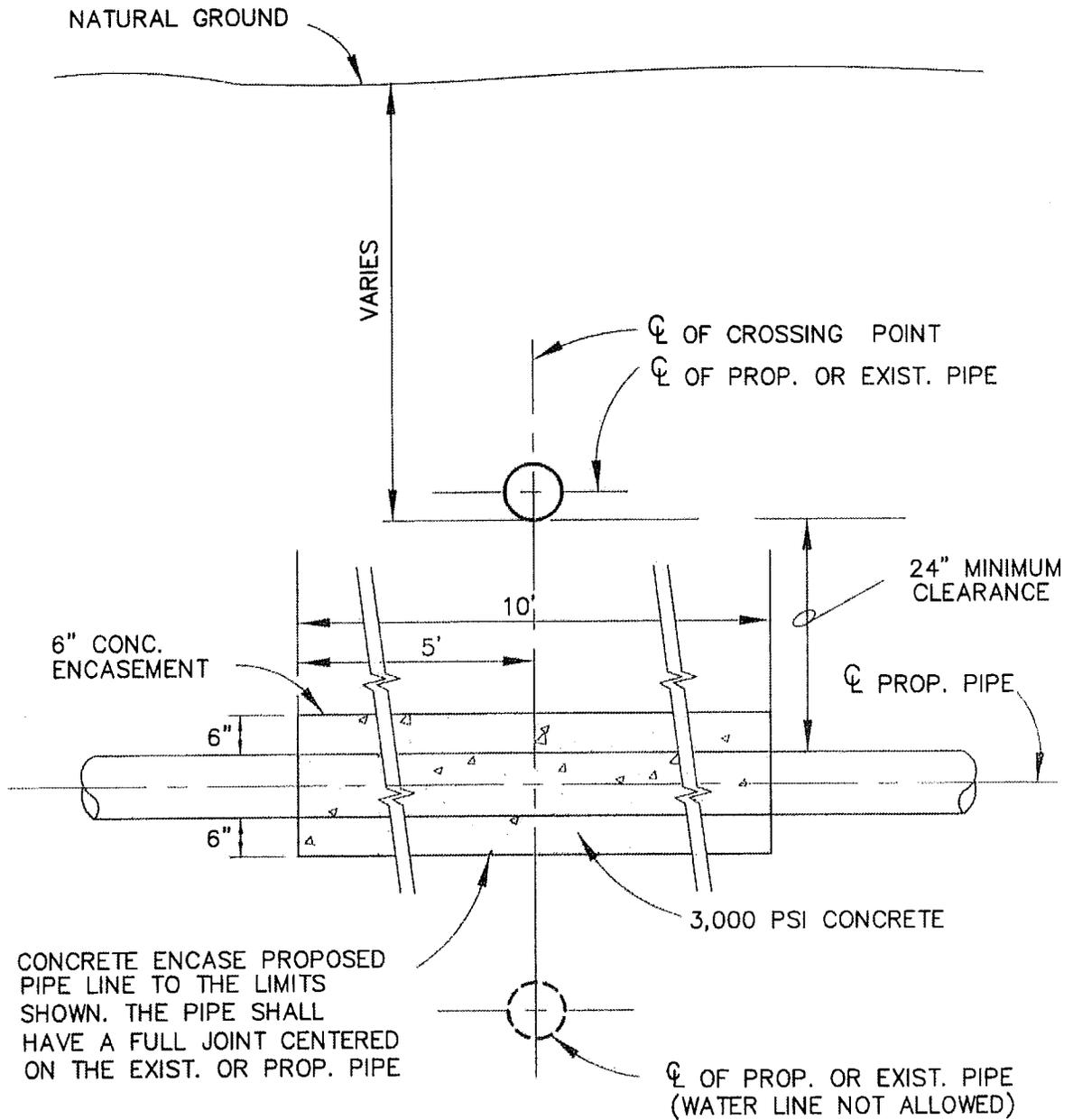
PAVING REPAIR DETAIL

**CONCRETE PATCH FOR ASPHALT PAVING**

**OR ASPHALT PATCH FOR STREET OR DRIVEWAY**

NOT TO SCALE

NOTE:  
 FOR CREEK CROSSING ENCASE  
 ENTIRE PIPE, TOP & BOTTOM.



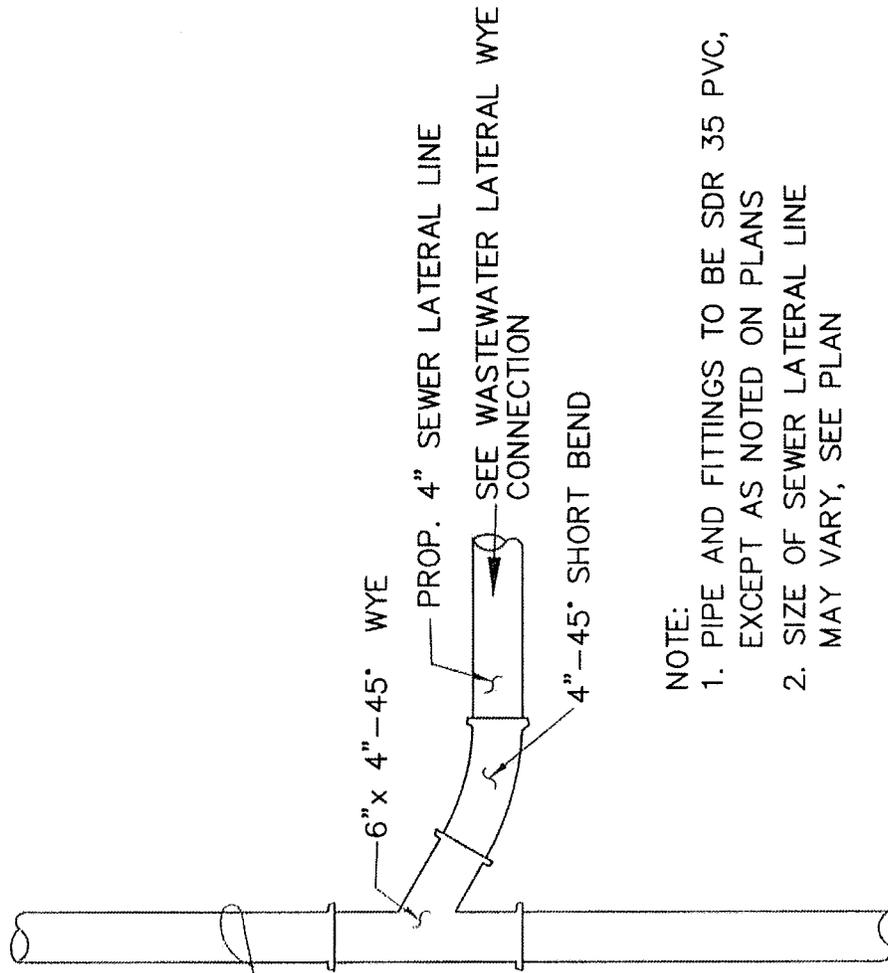
CONCRETE ENCASEMENT  
DETAIL

N.T.S.

C:\4\CONCENCASEDETAIL



PROP. 6" SEWER LINE,  
FOR SIZE SEE PLAN



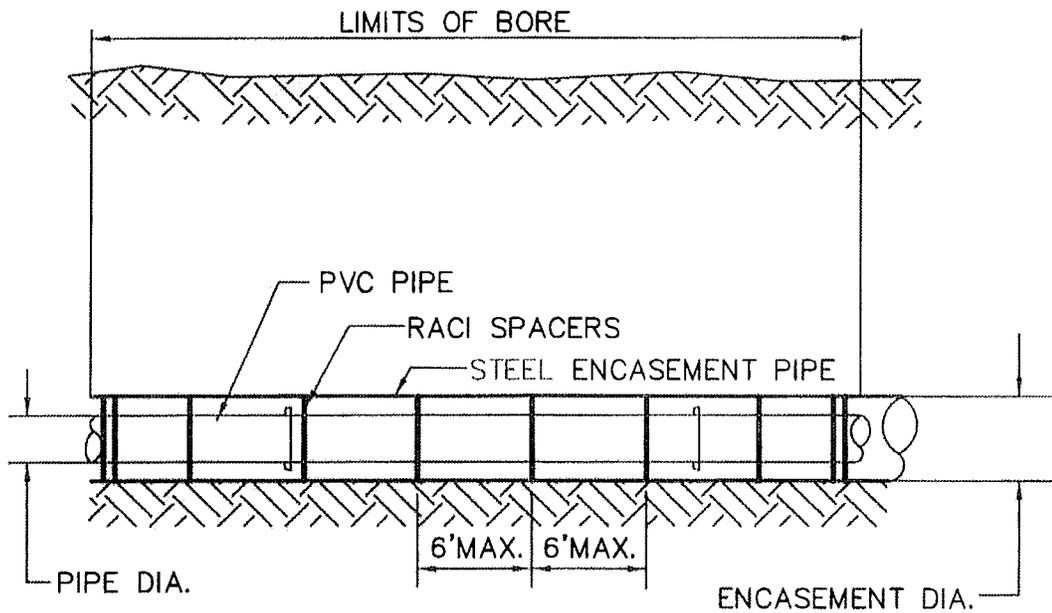
NOTE:

1. PIPE AND FITTINGS TO BE SDR 35 PVC, EXCEPT AS NOTED ON PLANS
2. SIZE OF SEWER LATERAL LINE MAY VARY, SEE PLAN

## SANITARY SEWER MAIN LINE LATERAL LINE CONNECTION

NOTES:

1. USE RACI SPACERS FOR PIPE INSTALLATION.
2. MAXIMUM OF 6.0 FEET SPACINGS.
3. SPACERS SHALL BE DOUBLED AT END OF CASING PIPE.
4. FOR 8 INCH SEWER PIPE USE 12 INCH STEEL PIPE, VARIES SEE PLAN.
5. INSTALL SPACER ONE FOOT EITHER SIDE OF BELL.
6. SEAL END OF CASING PIPE WITH WRAP AROUND SEAL.

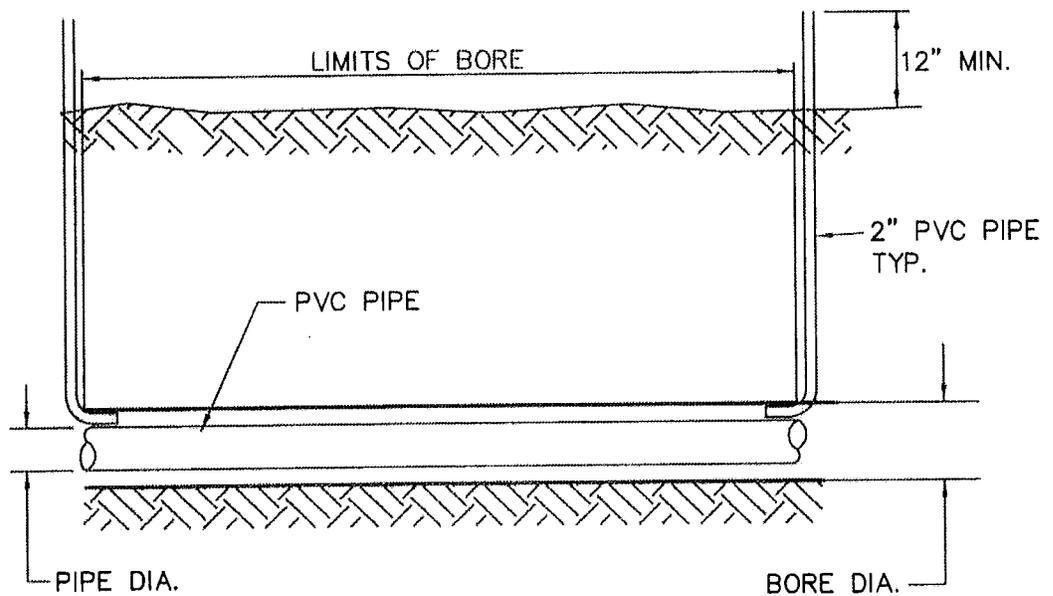


BORE DETAIL  
WITH RACI SPACERS

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NOTES:

PRESSURE GROUT 2,000 PSI SAND/CEMENT MIXTURE INTO BORE HOLE  
AFTER BACKFILL OF BORE PIT. PUMP THROUGH PIPE AT ONE END UNTIL  
SAND/CEMENT MIXTURE FLOWS OUT PIPE AT THE OTHER END OF BORE.  
PLUG PIPES. NO ENCASEMENT PIPE REQUIRED UNLESS UNSTABLE SOIL  
IS ENCOUNTERED.



BORE GROUTING DETAIL

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**PAVING CONSTRUCTION  
NOTES**

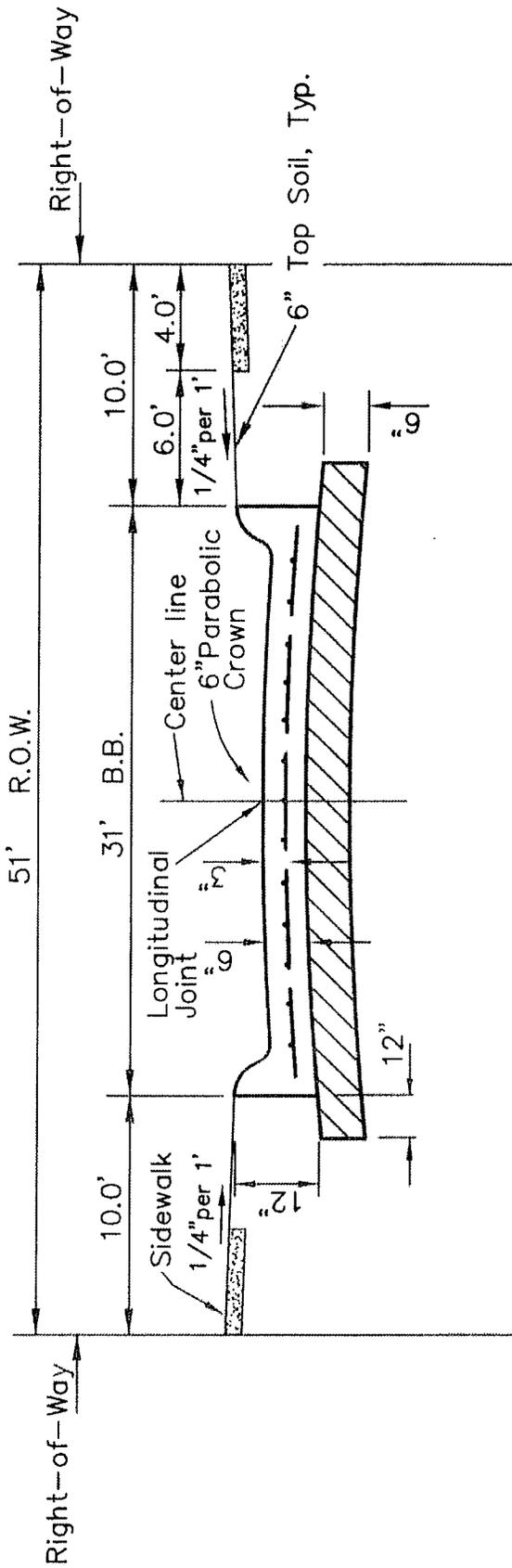
#### PAVING CONSTRUCTION NOTES

1. All concrete shall have a minimum compressive strength of 3,000 PSI at 28 days and shall contain a minimum of 5 sacks of cement per cubic yard. No Fly Ash will be allowed.
2. Concrete paving shall be a minimum of 6 inch in thickness, with no. 4 bars on 24 inch centers each way at mid depth. Pavement thicker than 6 inches. See paving design.
3. A minimum of 6 inch lime stabilized subgrade shall be required under proposed paving. Hydrated lime shall be by slurry method only, and added to equal a minimum of 6% (percent) by dry weight, 27 lb./S.Y., or as recommended by the soils report. Lime subgrade shall extend a minimum of 12 inches either side of proposed pavement width.
4. Bar chairs to support reinforcing steel shall be required.
5. All sidewalk shall be a minimum of 4 inches thick, reinforced with no. 3 bars on 24 inch centers, eachway at mid depth. Sidewalk shall have tooled joints spaced at 5 foot intervals.
6. Sawcut of existing pavement shall be straight and neat lines, and shall be a minimum of 3 inches in depth.
7. Sawed joints shall be filled with approved joint sealer.
8. Drilling and epoxying of reinforcing bars shall be required for connecting new concrete to existing concrete paving. Contractor shall use 18 inch no. 4 bars drilled and epoxy, 9 inches into existing concrete on 24 inch centers at mid depth. This shall be subsidiary to various bid items.
9. Sawed transverse expansion joints shall be placed at a maximum of 15 foot centers. Longitudinal joints shall be placed along the center line of proposed paving or at a maximum of 15 foot centers. Construction joints shall be placed at the end of proposed paving, at the end of each days work.
10. Driveway details shall be in accordance with the City of Dallas Public Works Standard Construction Details, File 251-D.
11. New Paving shall be cored, use 1-1/2"bit, and fill with concrete at completeion.

#### STORM SEWER CONSTRUCTION NOTES

1. A minimum of class III reinforced concrete pipe shall be used for R.C. pipe. Ram neck shall be used on all pipe joints. Crushed stone bedding shall be used in storm sewer trenches.
2. All drainage structures shall be 3,000 PSI reinforced concrete at 28 day strength.
3. Inlets, headwalls, and retaining details shall be in accordance with the City of Dallas Public Works Standard Construction Details, File 215-D.
4. All storm sewer pipe shall be TV, and a video shall be submitted to the City prior to final acceptance.
5. The contractor shall review the storm water drainage ordinance and other applicable environmental ordinances of the City or State law requirements relative to the work being performed for this project. The Contractor shall be required to comply with all relevant requirements of said ordinances and statutes in the performance of its obligations for this work.

4: /Paving&StmSwrGenNotes

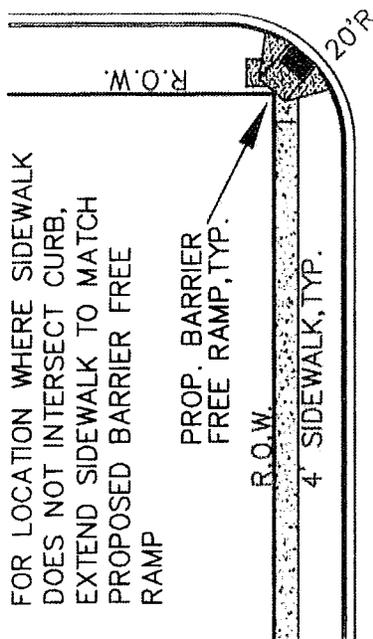


- Note:
1. 6" 3000 P.S.I. Reinf. Conc. Pvmnt. @28 Days (5 Sacks Per Cubic Yard) w/ No. 4 Bars On 24" Centers Each Ways at Mid Depth, with 6" Monolithic Curb (No Fly Will be Allowed).
  2. 6" Lime Stabilized Subgrade and stabilized with a Minimum of 27 Pounds/S.Y. of Hydrated lime, compacted to a density of not less than 95% Standard Proctor Density, or as per soils report.
  3. 4' Sidewalk To Be Built By Homebuilder/Adjacent Property Owner Unless noted otherwise.
  4. All Right-of-Way Shall be Compacted to a Minimum of 95% of Standard Proctor Density.

**TYPICAL 31' PAVING SECTION**  
 Not to Scale

NOTE:  
 BRICK PAVERS SHALL BE PAVESTONE TRUNCATED DOME  
 DETECTABLE WARNING PAVEN IN ANTIQUE RED,  
 CONSTRUCTED IN A PARQUET PATTERN, PAVERS SHALL  
 BE INSTALLED IN ACCORDANCE WITH PAVESTONE'S  
 INSTALLATION PROCEDURES. (OR APPROVED EQUAL).  
 PAVER SHALL MEET ADA REQUIREMENTS

NOTE:  
 FOR LOCATION WHERE SIDEWALK  
 DOES NOT INTERSECT CURB,  
 EXTEND SIDEWALK TO MATCH  
 PROPOSED BARRIER FREE  
 RAMP

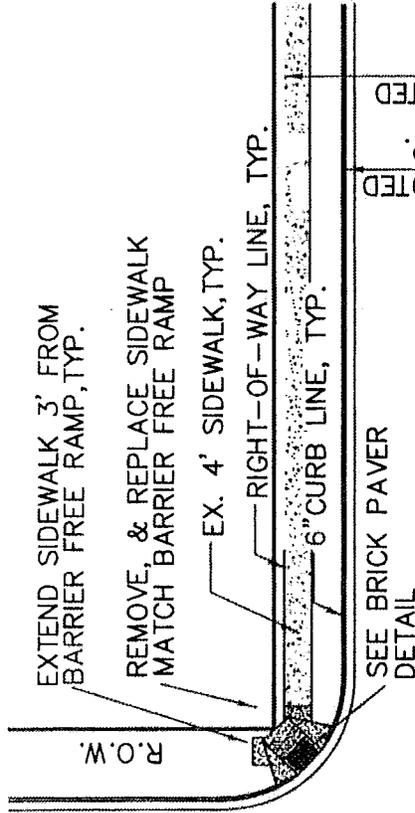


PROP. BARRIER  
 FREE RAMP, TYP.

R.O.W.

4' SIDEWALK, TYP.

20'R



EXTENDING SIDEWALK 3' FROM  
 BARRIER FREE RAMP, TYP.

REMOVE, & REPLACE SIDEWALK  
 MATCH BARRIER FREE RAMP

EX. 4' SIDEWALK, TYP.

RIGHT-OF-WAY LINE, TYP.

6" CURB LINE, TYP.

SEE BRICK PAVER  
 DETAIL

AS NOTED  
 TYP.  
 AS NOTED

4.0', TYP.  
 BOTH SIDES

5.0'  
 1/6" Lip

TAMPER CURB  
 4.0', BOTH SIDES

8.0'  
 Lip

4' SIDEWALK, TYP.

NOTE:  
 FOR INTERSECTION WITH NO  
 SIDEWALK, CONSTRUCT  
 BARRIER FREE RAMP IN  
 CURB

R.O.W.

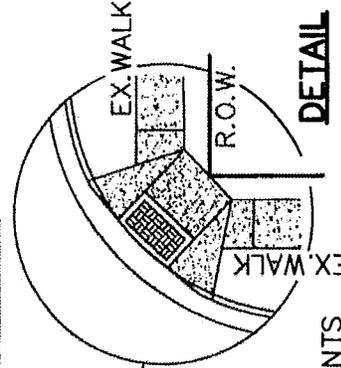
CENTER ON  
 RADIUS RETURN

EXTEND WALK TO  
 MATCH PROP. B.F. RAMP,  
 TYP.

R.O.W.

R.O.W.

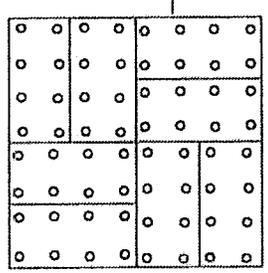
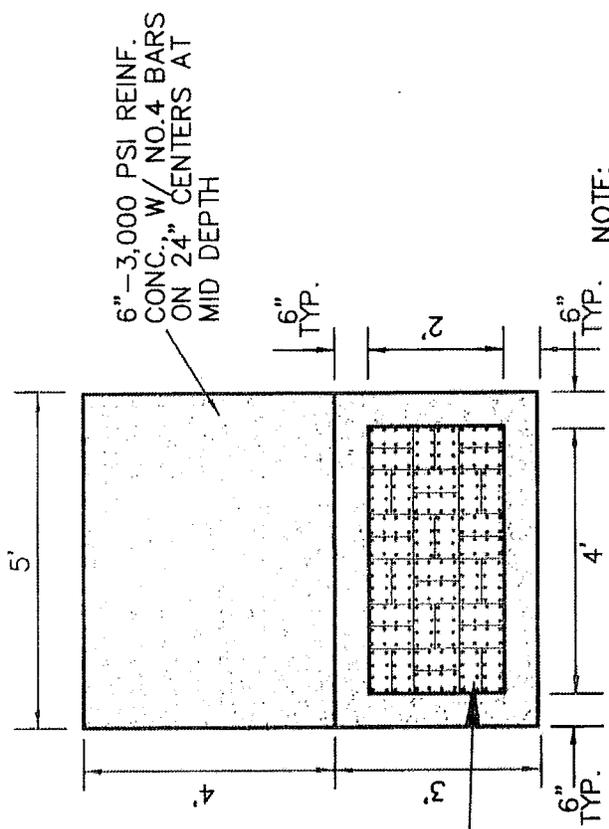
NOTE:  
 PLACE BRICKER PAVER AT BACK  
 OF CURB, AS SHOWN



NOTE:  
 RAMP SHALL MEET "ADA" REQUIREMENTS

# BARRIER FREE RAMP DETAIL

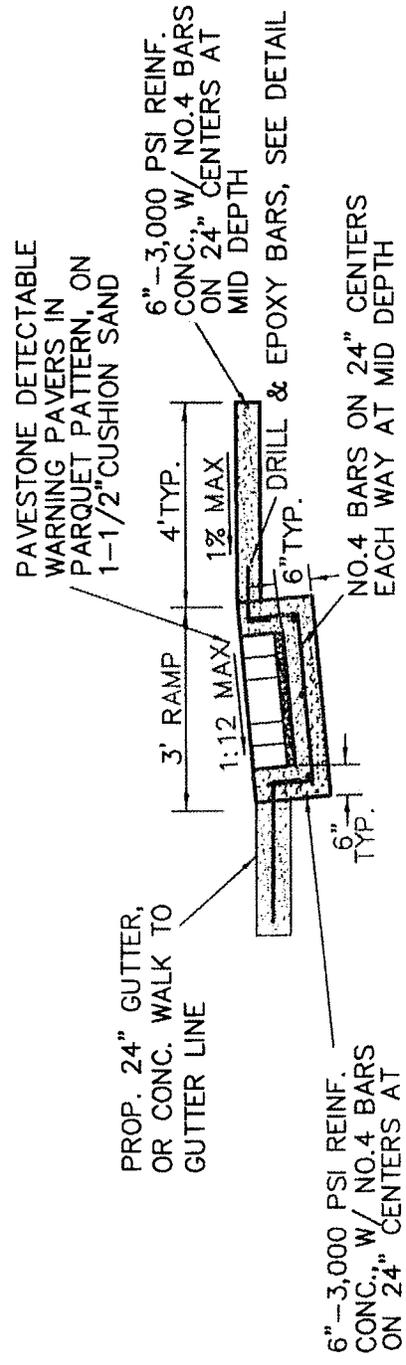
NTS



**ENLARGEMENT  
OF TRUNCATED  
DOME  
PAVER**

**NOTE:**  
BRICK PAVERS SHALL BE PAVESTONE TRUNCATED DOME  
DETECTABLE WARNING PAVER IN ANTIQUE RED,  
CONSTRUCTED IN A PARQUET PATTERN, PAVERS SHALL  
BE INSTALLED IN ACCORDANCE WITH PAVESTONE'S  
INSTALLATION PROCEDURES. (OR APPROVED EQUAL).  
PAVER SHALL MEET ADA REQUIREMENTS

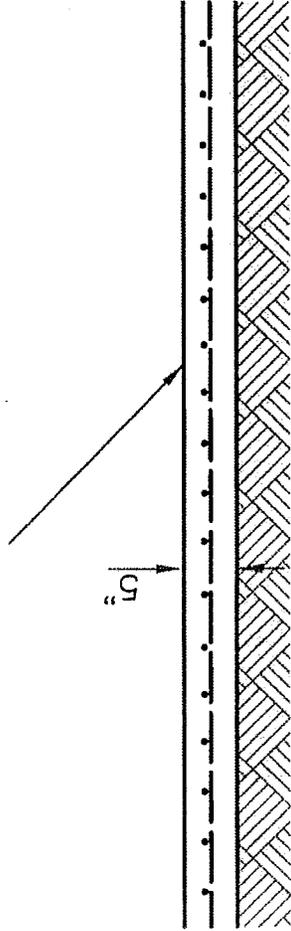
**BRICK PAVER  
TEXTURE DETAIL**



**BRICK PAVER SECTION**

NTS

5" 3000 P.S.I. Reinf. Conc. Pvmt. @28 Days (5 Sacks Per Cubic Yard) w/ No. 4 Bars On 24" Centers Each Ways at Mid Depth.



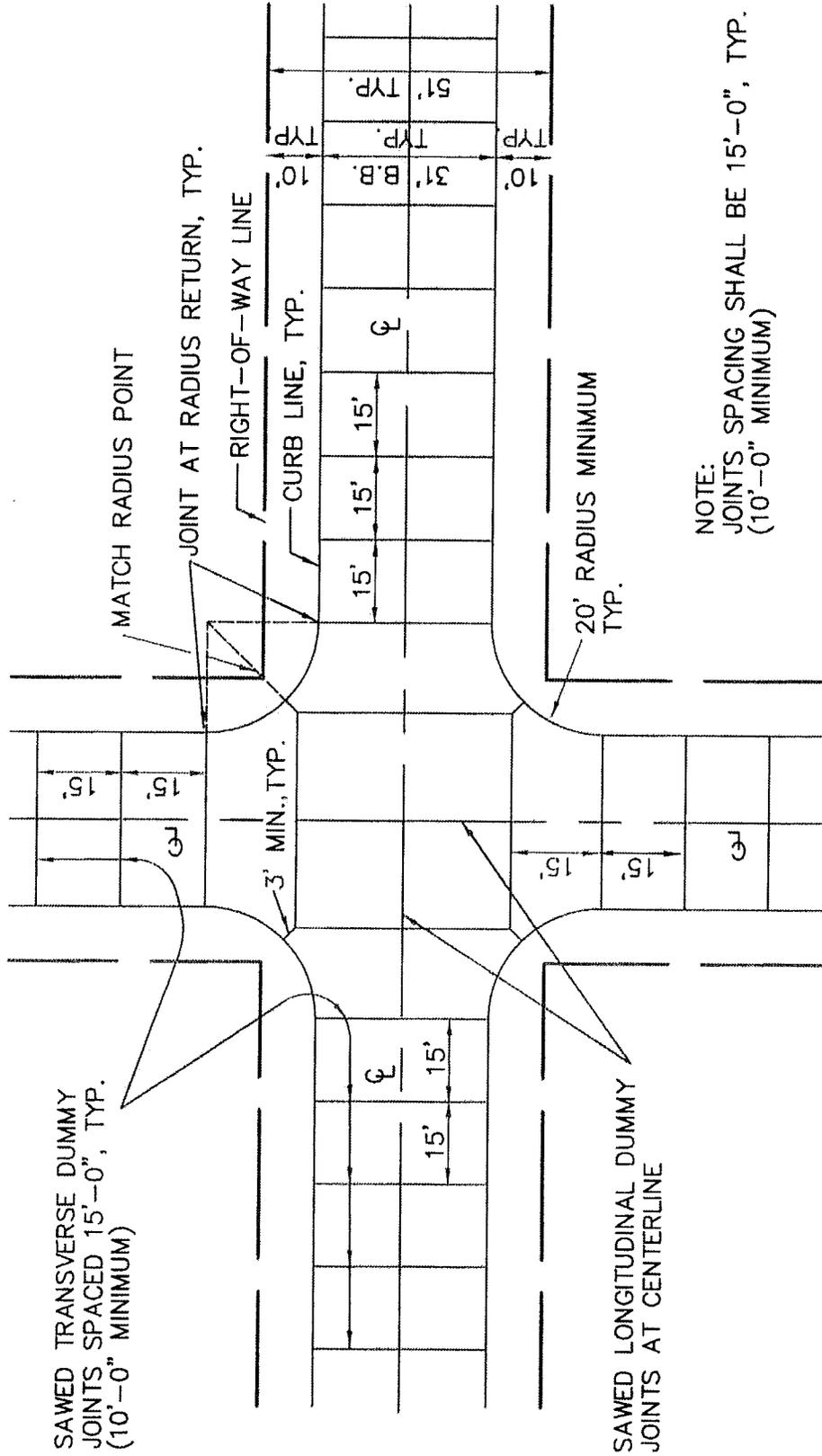
## PAVING SECTION

Note:

1. Fire Lane paving shall be a minimum of 6" reinforced concrete w/No. 4 Bars on 24" Centers Each Way at Mid Depth, with 6" lime Stabilized Subgrade, 27 lb/sy, min.

## TYPICAL PARKING LOT PAVING DETAIL

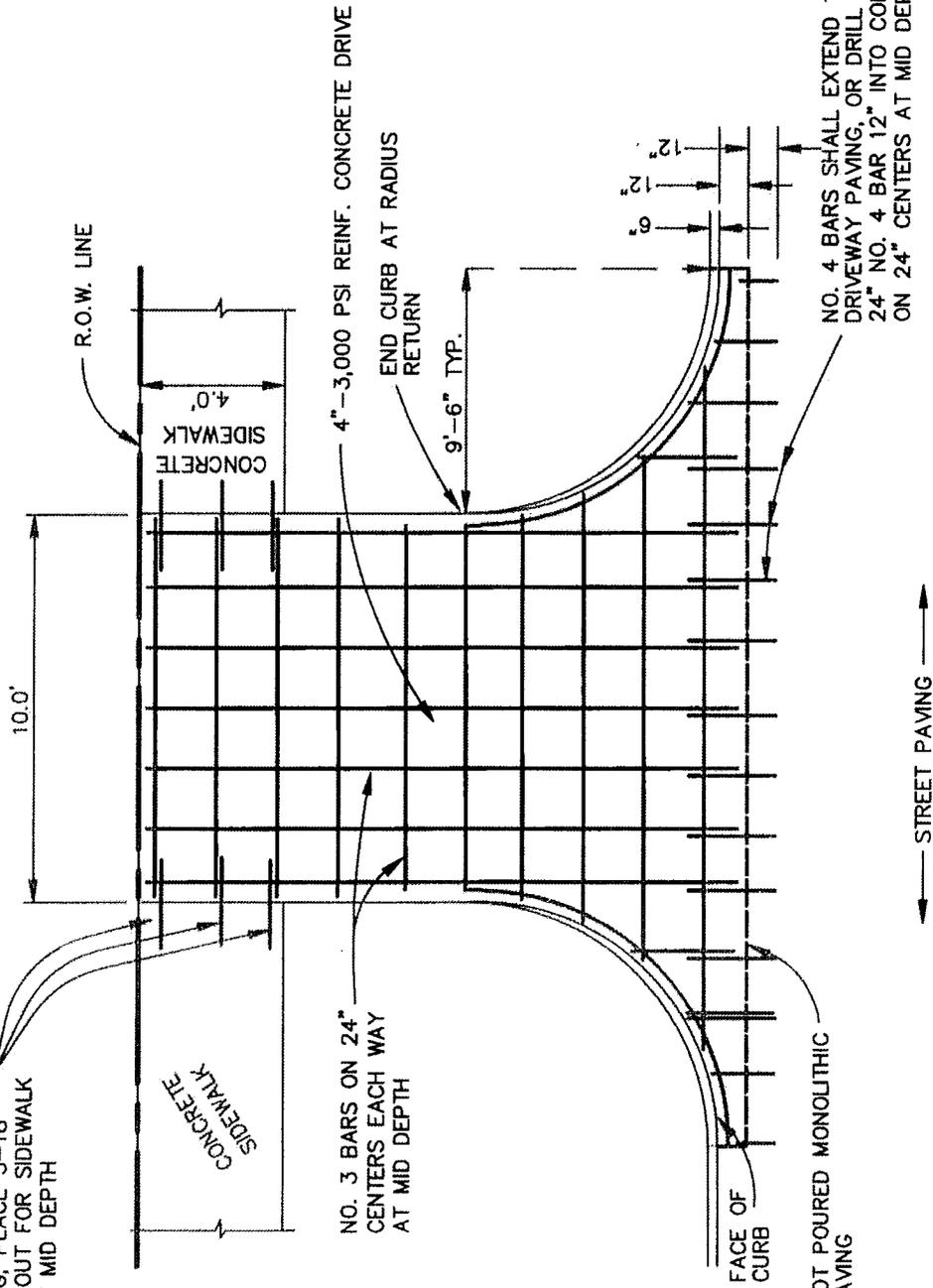
NTS



# JOINT SPACING DETAIL

SCALE: 1"=30'

NOTE:  
 IN THE EVENT PROPOSED DRIVE  
 IS TO BE COMPLETED PRIOR TO CONC.  
 SIDEWALK PAVING, PLACE 3-18"  
 NO. 3 BARS 9" OUT FOR SIDEWALK  
 CONNECTION, AT MID DEPTH



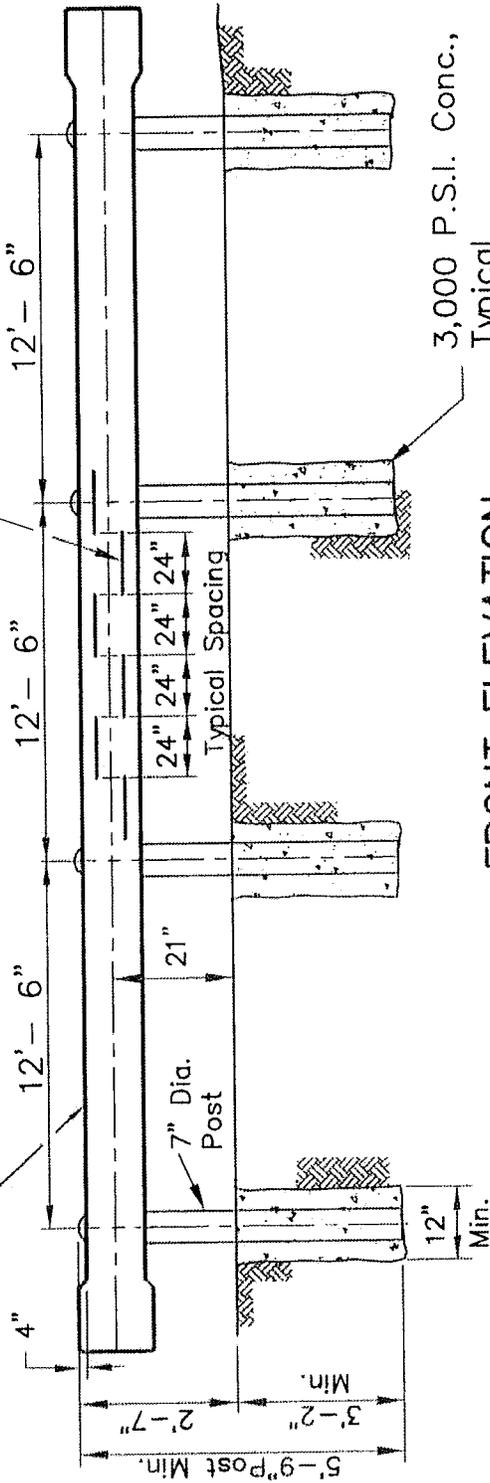
NO. 4 BARS SHALL EXTEND 12" FOR  
 DRIVEWAY PAVING, OR DRILL AND GROUT  
 24" NO. 4 BAR 12" INTO CONCRETE PAVING  
 ON 24" CENTERS AT MID DEPTH

# DRIVEWAY PAVING DETAIL

N.T.S.

12 Ga. Galvanized Steel  
Metal Beam Guard Rail  
w/ Terminal Ends

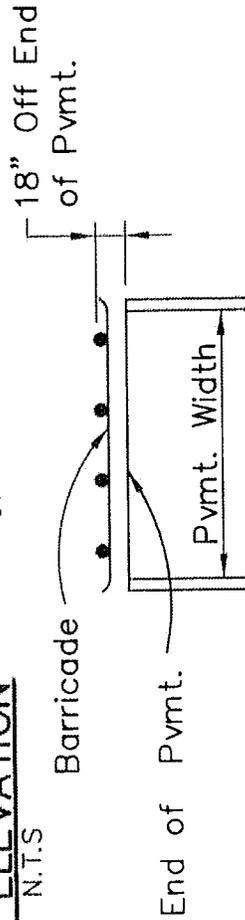
2" x 24" Red 3M High Intensity  
Barricade Marking Tape, along  
Top & Bottom Rib, 24" Long on  
4' Centers Staggered on Bottom  
Rib. (Tape Shall Be Reflectorized.)



FRONT ELEVATION  
N.T.S



GUARD RAIL SECTION  
N.T.S

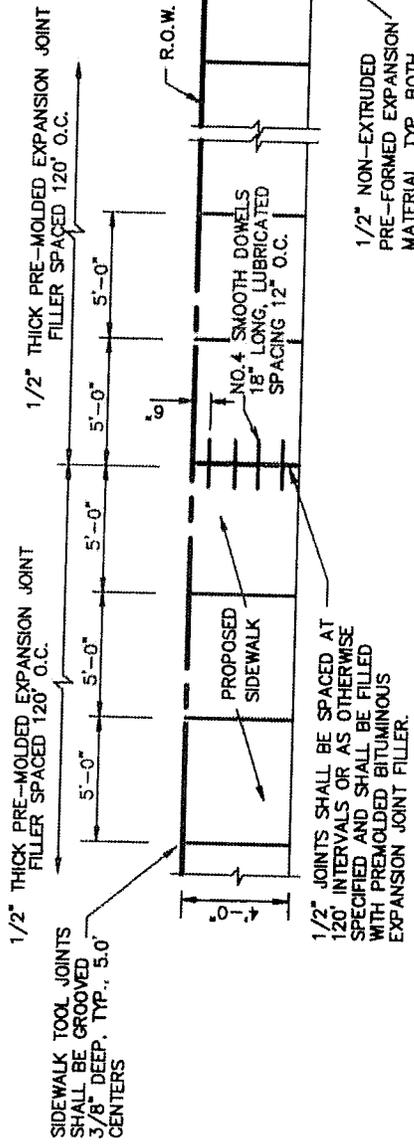


BARRICADE LOCATION DETAIL  
N.T.S

Note:  
For Dimendions and Details, See North Central Texas C.O.G.  
Standard Specifications for Public Works Construction,  
Standard Drawing No. 2290 - Metal Beam Barricade at  
End of Road Detail.

METAL BEAM BARRICADE  
END OF ROAD DETAIL

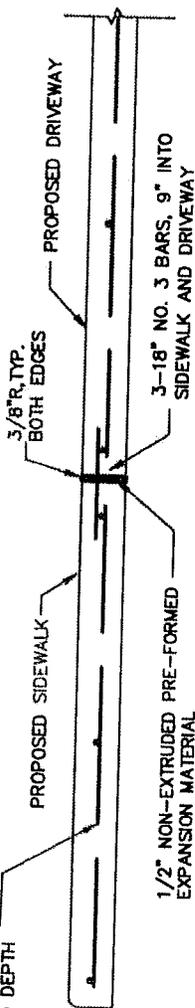
NOTE:  
 IN THE EVENT PROPOSED DRIVEWAY  
 PAVING IS COMPLETED PRIOR TO CONC.  
 SIDEWALK, PLACE 3-18" NO. 3 BARS  
 9" OUT OF PAVING FOR SIDEWALK  
 CONNECTION, AT MID DEPTH



**SIDEWALK PLAN VIEW**

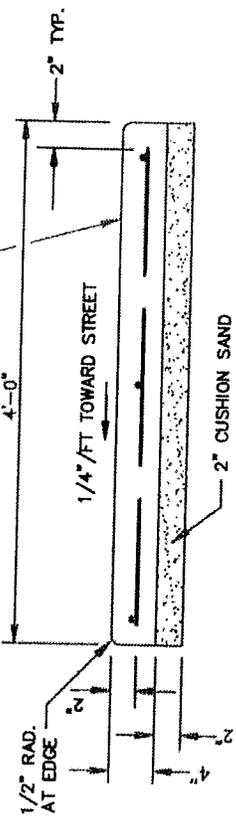
1/2" JOINTS SHALL BE SPACED AT  
 120' INTERVALS OR AS OTHERWISE  
 SPECIFIED AND SHALL BE FILLED  
 WITH PREMOULDED BITUMINOUS  
 EXPANSION JOINT FILLER.

NO. 3 BARS 24" CENTERS  
 EACH WAY, AT MID DEPTH



**SIDEWALK CONNECTION AT DRIVEWAY**

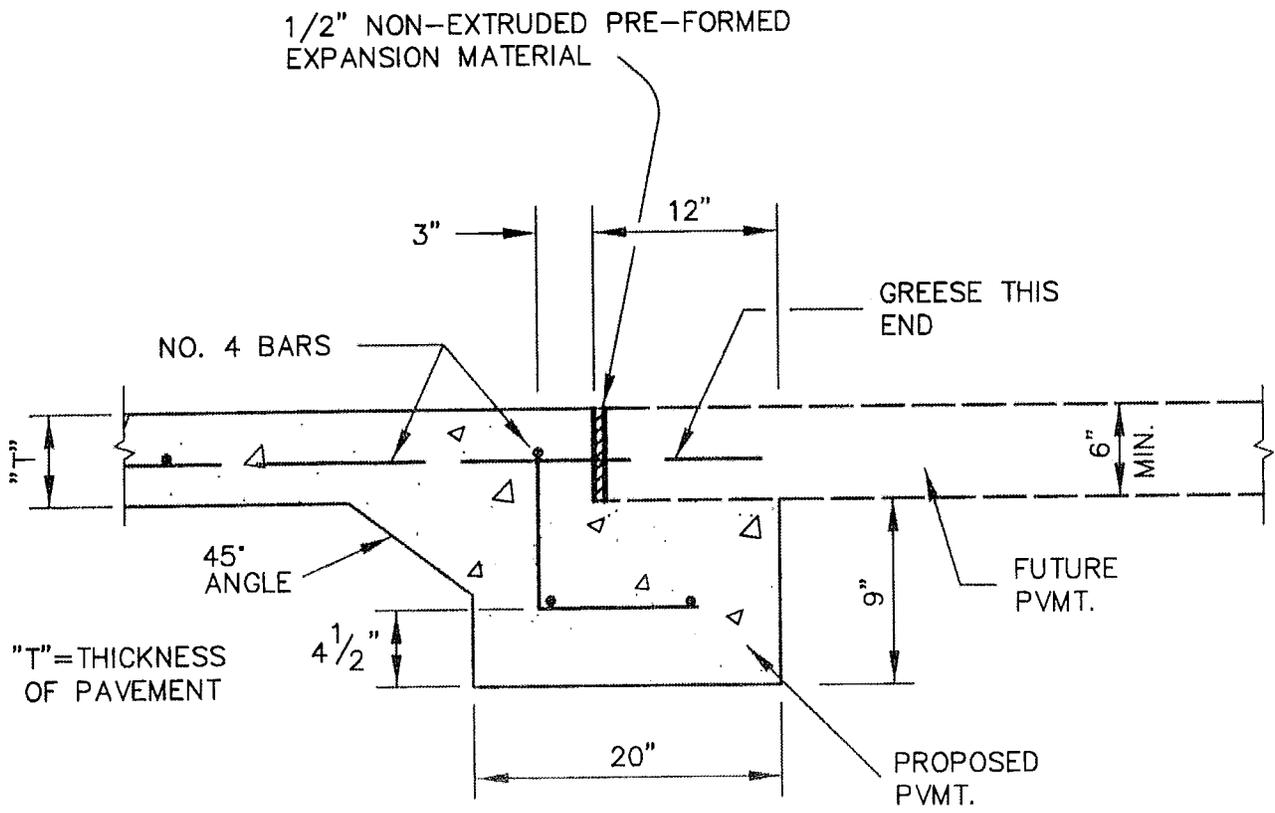
4"-3000 P.S.I. REINF. CONCRETE  
 WITH NO. 3 BARS 24" CENTERS  
 EACH WAY, AT MID DEPTH



**SIDEWALK SECTION**

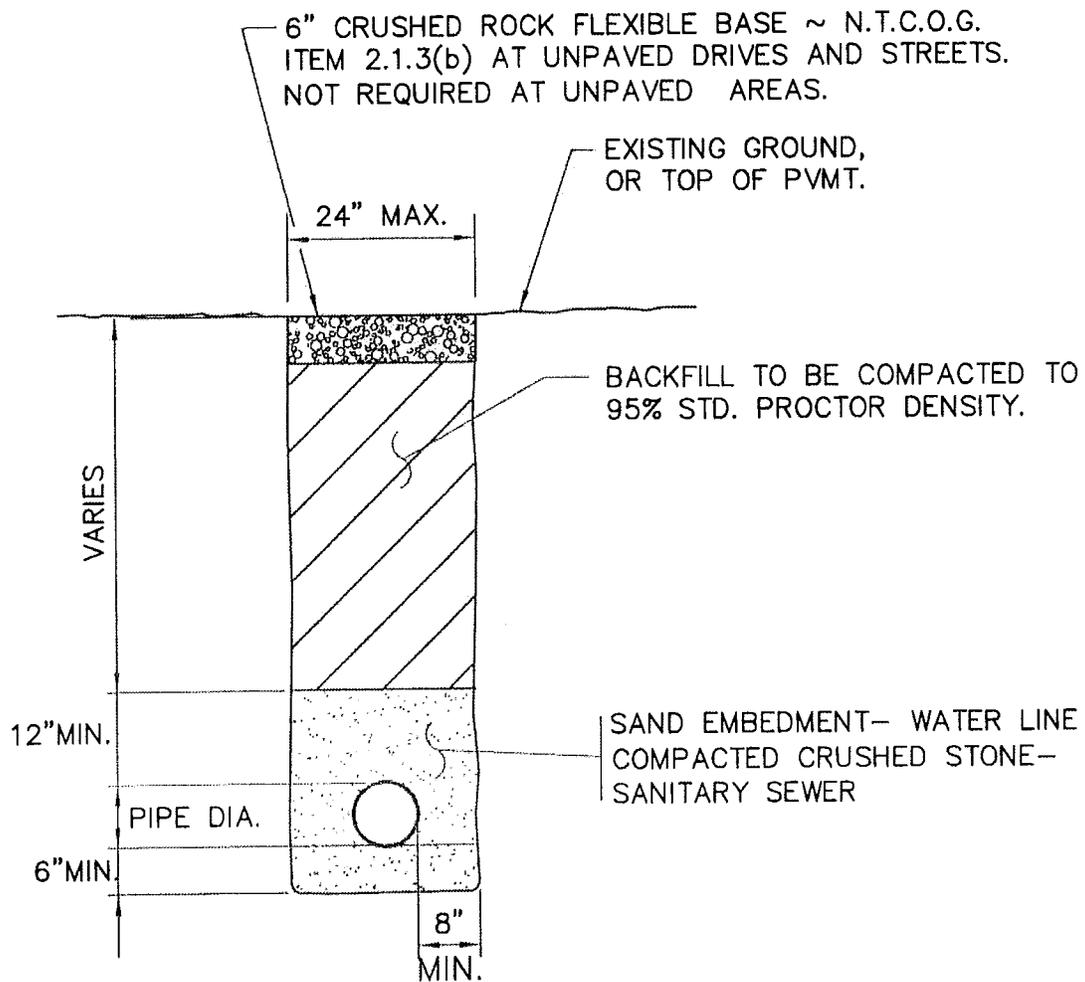
**CONCRETE SIDEWALK DETAIL**

N.T.S.



# PAVEMENT HEADER DETAIL

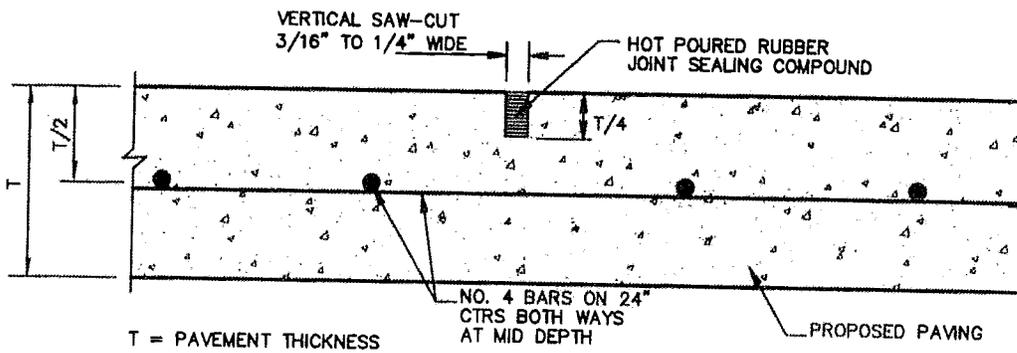
N.T.S.



## ROCK DRIVEWAY REPAIR AND EMBEDMENT DETAIL

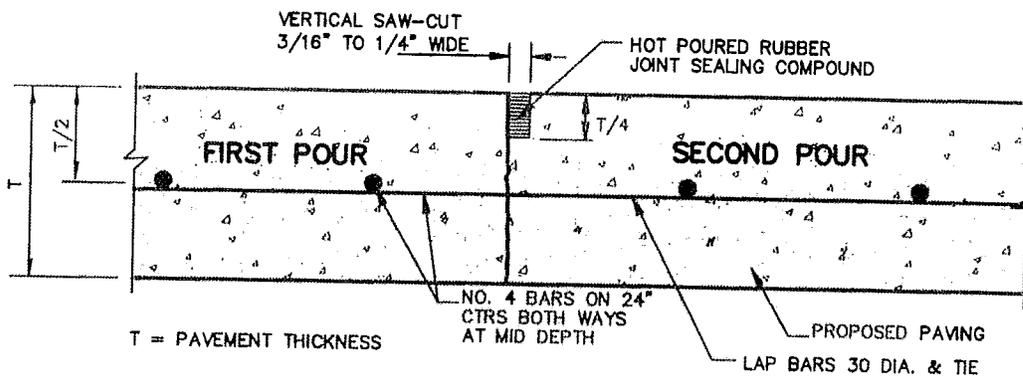
NOT TO SCALE

C:\4\RockDrRepair.DWG



**SAWED DUMMY JOINT**  
N.T.S.

NOTE:  
CHANGE BAR SPACING ACROSS JOINTS TO  
12" CENTERS FOR LONGITUDINAL JOINTS



**CONSTRUCTION JOINT**  
N.T.S.

**JOINT DETAILS**

NOTE;  
STREET NAME SHALL BE  
UPPER AND LOWER CASE

\* SIGN VARIES  
DUE TO LENGTH  
OF STREET NAME.

H.I. PRISMATIC REFLECTORIZED WHITE  
SHEETING FOR SIGN EDGE WITH 6" HIGH  
WHITE LETTERS

STREET SIGNS, BOTH SIDES

H.I. PRISMATIC REFLECTORIZED  
GREEN SHEETING FOR  
BACKGROUND

BOLT ENDS  
TOGETHER,  
TYP.

CITY OF  
SEAGOVILLE  
LOGO

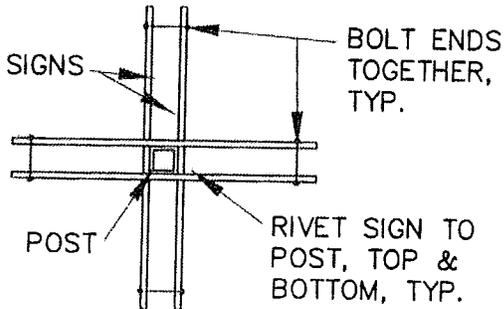
RIVET SIGN TO  
POST, TOP &  
BOTTOM, TYP.

1 3/4" SQUARE BASE  
POST - 14 GAUGE

BLOCK NO.

NOTE:

- 1) DRY-RIVET SIGN TO POST.
- 2) PLACE SIGN 10' FROM INTERSECTION & 3' OFF BACK OF CURB, OR AS PER CITY PERSONELL.
- 3) ORDER SIGN FROM THE ROAD RUNNER TRAFFIC SUPPLY CO., FT. WORTH, TEXAS 1-800-633-2816.
- 4) SIGN SHALL BE ALUMINUM.
- 5) H.I. HIGH INTENSITY



**TOP VIEW  
OF SIGNS**

RIVET POST  
TO BASE.

2" SQUARE BASE  
14 GAUGE

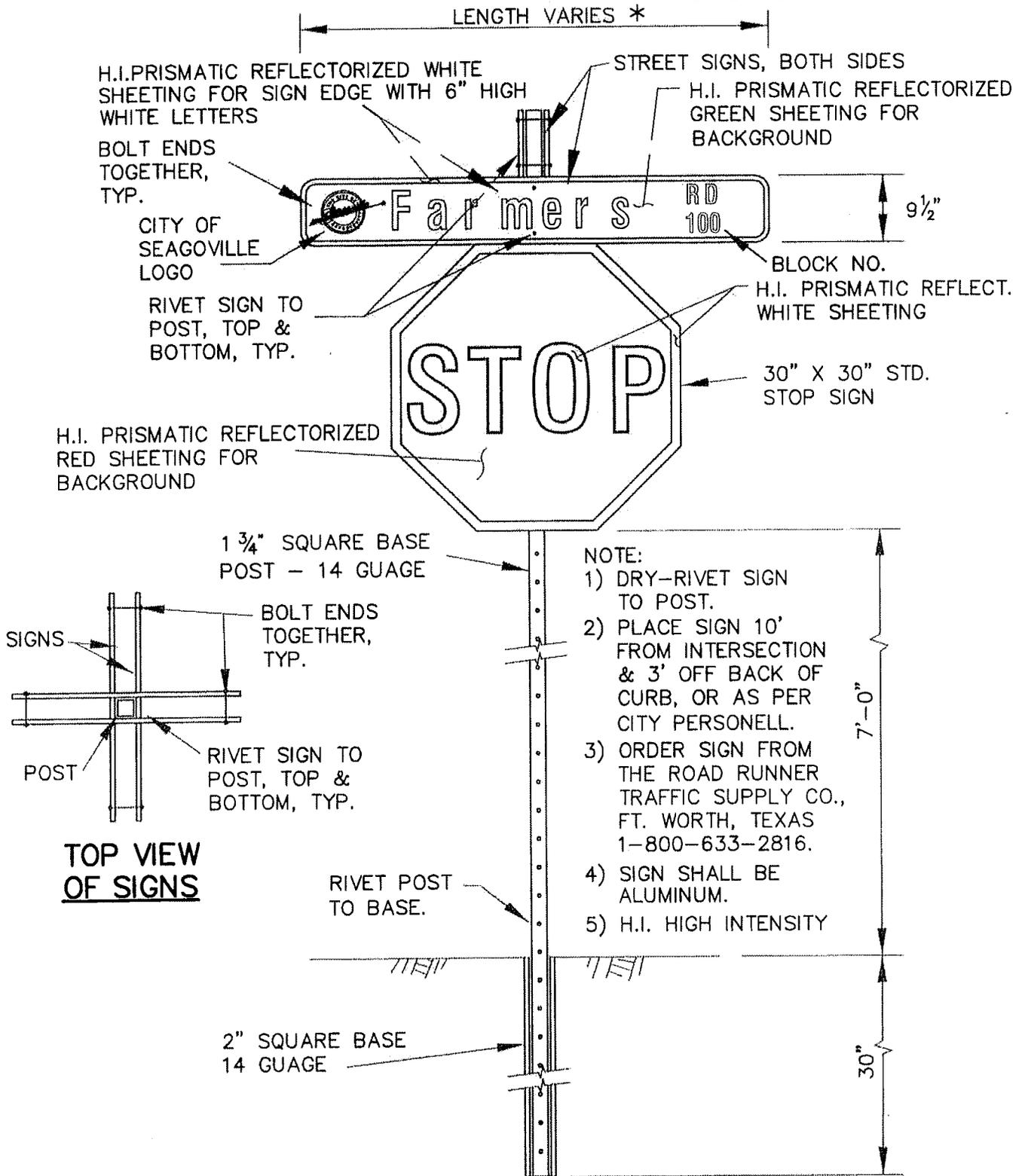
**STANDARD STREET SIGNS  
DETAIL**

N.T.S.

C:\4\StreetSign.dwg

NOTE;  
STREET NAME SHALL BE  
UPPER AND LOWER CASE

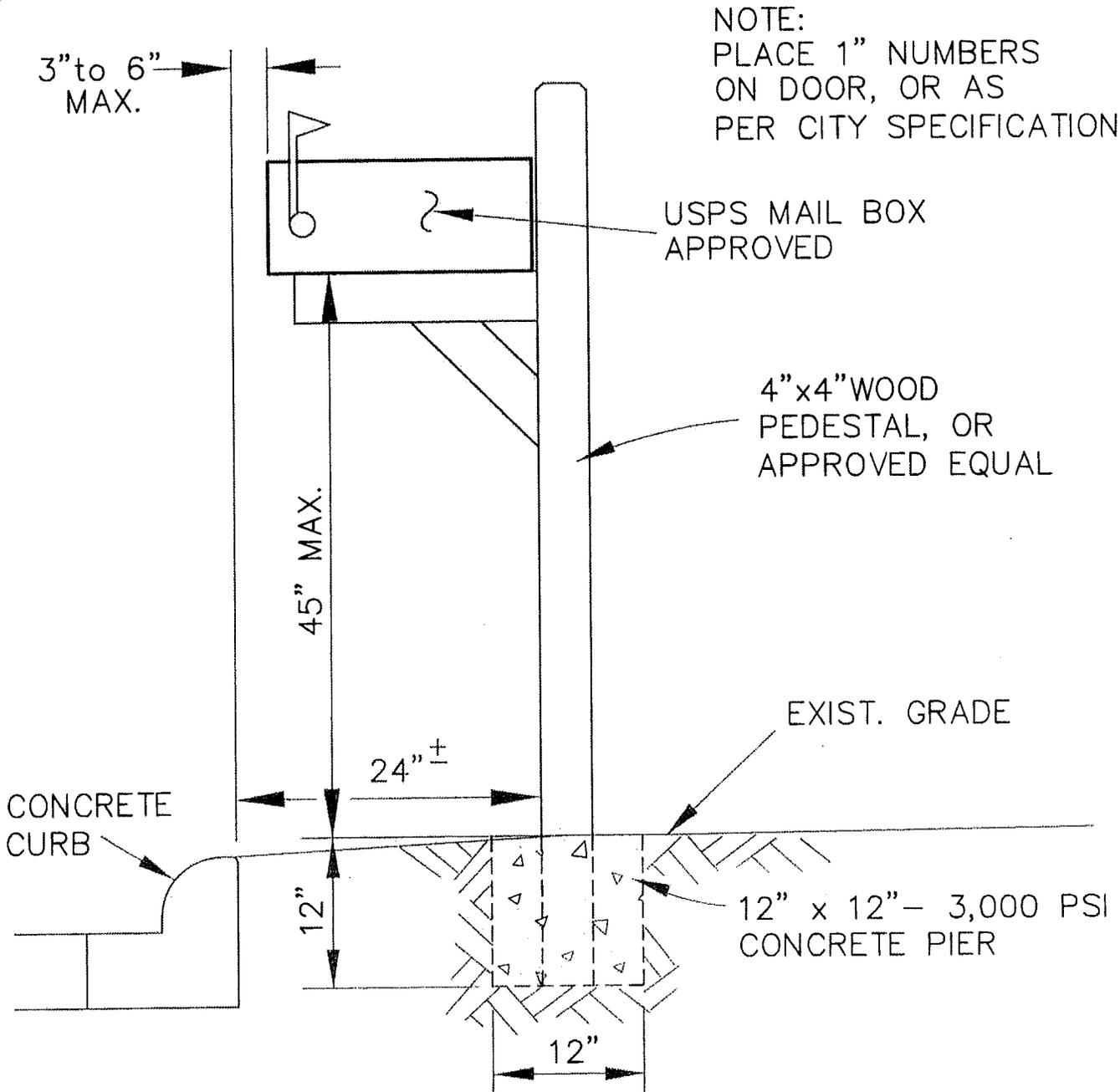
\* SIGN VARIES  
DUE TO LENGTH  
OF STREET NAME.



**STANDARD STOP SIGN & STREET SIGNS  
DETAIL**

N.T.S.

C:\4\Stop&StreetSign.dwg



NOTE:  
 PLACE 1" NUMBERS  
 ON DOOR, OR AS  
 PER CITY SPECIFICATION

Notes:

- 1.) Install a standard 4" X 4" wood mail box pedestal, or approved equal.
- 2.) Install new mail box pedestal in 12" concrete pier, 12" deep, pour flush with existing grade.
- 3.) Face of Mail Box shall be 3 inches to 6 inches from back of curb, maximum.
- 4.) This detail is minimum mail box requirements.

**MAIL BOX DETAIL**

SCALE : 1" = 1'

C:\4\MAIL BOX DETAIL

**STORM SEWER  
CONSTRUCTION NOTES**

#### PAVING CONSTRUCTION NOTES

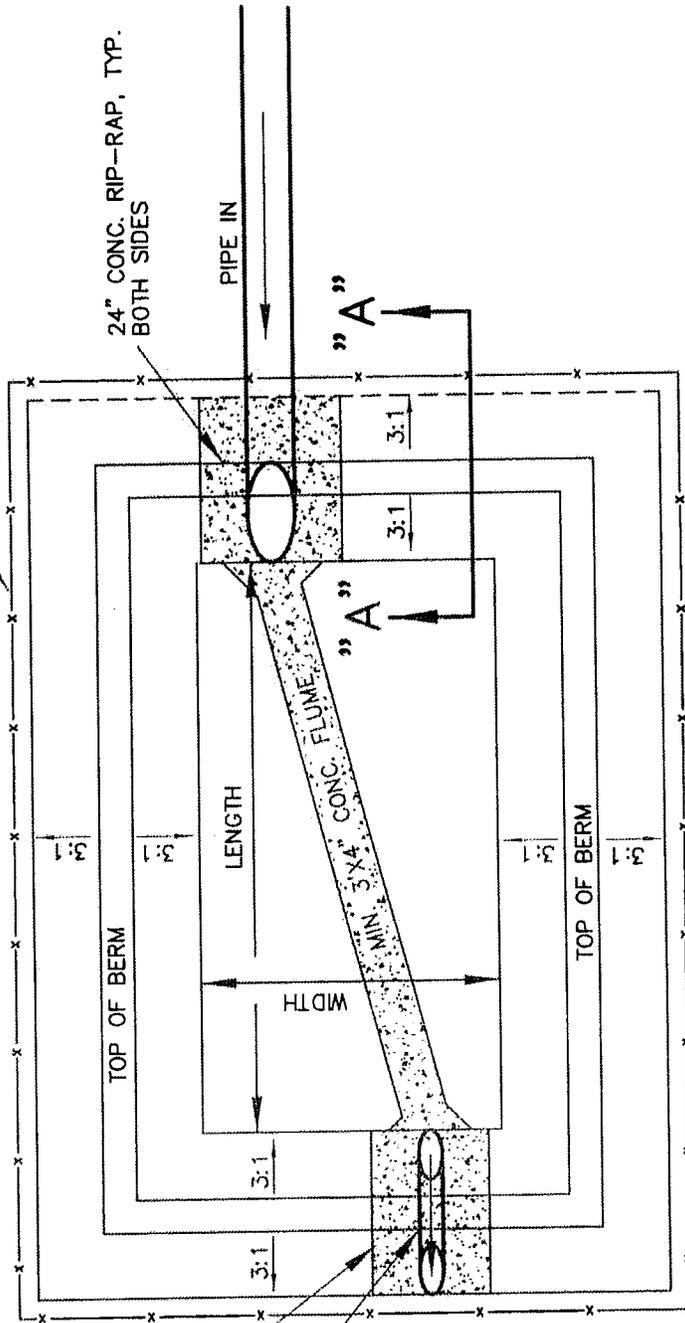
1. All concrete shall have a minimum compressive strength of 3,000 PSI at 28 days and shall contain a minimum of 5 sacks of cement per cubic yard. No Fly Ash will be allowed.
2. Concrete paving shall be a minimum of 6 inch in thickness, with no. 4 bars on 24 inch centers each way at mid depth. Pavement thicker than 6 inches, See paving design.
3. A minimum of 6 inch lime stabilized subgrade shall be required under proposed paving. Hydrated lime shall be by slurry method only, and added to equal a minimum of 6% (percent) by dry weight, 27 lb./S.Y., or as recommended by the soils report. Lime subgrade shall extend a minimum of 12 inches either side of proposed pavement width.
4. Bar chairs to support reinforcing steel shall be required.
5. All sidewalk shall be a minimum of 4 inches thick, reinforced with no. 3 bars on 24 inch centers, eachway at mid depth. Sidewalk shall have tooled joints spaced at 5 foot intervals.
6. Sawcut of existing pavement shall be straight and neat lines, and shall be a minimum of 3 inches in depth.
7. Sawed joints shall be filled with approved joint sealer.
8. Drilling and epoxying of reinforcing bars shall be required for connecting new concrete to existing concrete paving. Contractor shall use 18 inch no. 4 bars drilled and epoxy, 9 inches into existing concrete on 24 inch centers at mid depth. This shall be subsidiary to various bid items.
9. Sawed transverse expansion joints shall be placed at a maximum of 15 foot centers. Longitudinal joints shall be placed along the center line of proposed paving or at a maximum of 15 foot centers. Construction joints shall be placed at the end of proposed paving, at the end of each days work.
10. Driveway details shall be in accordance with the City of Dallas Public Works Standard Construction Details, File 251-D.
11. New Paving shall be cored, use 1-1/2" bit, and fill with concrete at completion.

#### STORM SEWER CONSTRUCTION NOTES

1. A minimum of class III reinforced concrete pipe shall be used for R.C. pipe. Ram neck shall be used on all pipe joints. Crushed stone bedding shall be used in storm sewer trenches.
2. All drainage structures shall be 3,000 PSI reinforced concrete at 28 day strength.
3. Inlets, headwalls, and retaining details shall be in accordance with the City of Dallas Public Works Standard Construction Details, File 215-D.
4. All storm sewer pipe shall be TV, and a video shall be submitted to the City prior to final acceptance.
5. The contractor shall review the storm water drainage ordinance and other applicable environmental ordinances of the City or State law requirements relative to the work being performed for this project. The Contractor shall be required to comply with all relevant requirements of said ordinances and statutes in the performance of its obligations for this work.

4' CHAIN LINK FENCE  
ALL FOUR SIDES

NOTE:  
LENGTH, WIDTH, AND DEPTH VARIES



24" CONC. RIP-RAP, TYP.  
BOTH SIDES

PIPE IN

"A"

TOP OF BERM

LENGTH

WIDTH

3:1

3:1

TOP OF BERM

3:1

24" CONC. RIP-RAP, TYP.  
BOTH SIDES

PIPE OUT, OR  
CONC. FLUME

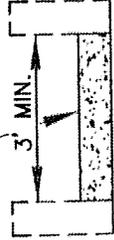
4" CONC. RIP-RAP

SECTION "PIPE IN"

4" CONC. RIP-RAP

SECTION "PIPE OUT"

4"-3,000 PSI REINF CONC. W/  
# 4 BARS ON 24" CENTERS  
EACH WAY



3' CONC. FLUME

NOTE:  
CURB MAY BE REQUIRED  
DEPENDING ON PROP. FLOW

MIN. 3' WIDE  
TOP

PROP. GRADE

3:1 MAX.

OUT  
FLOW

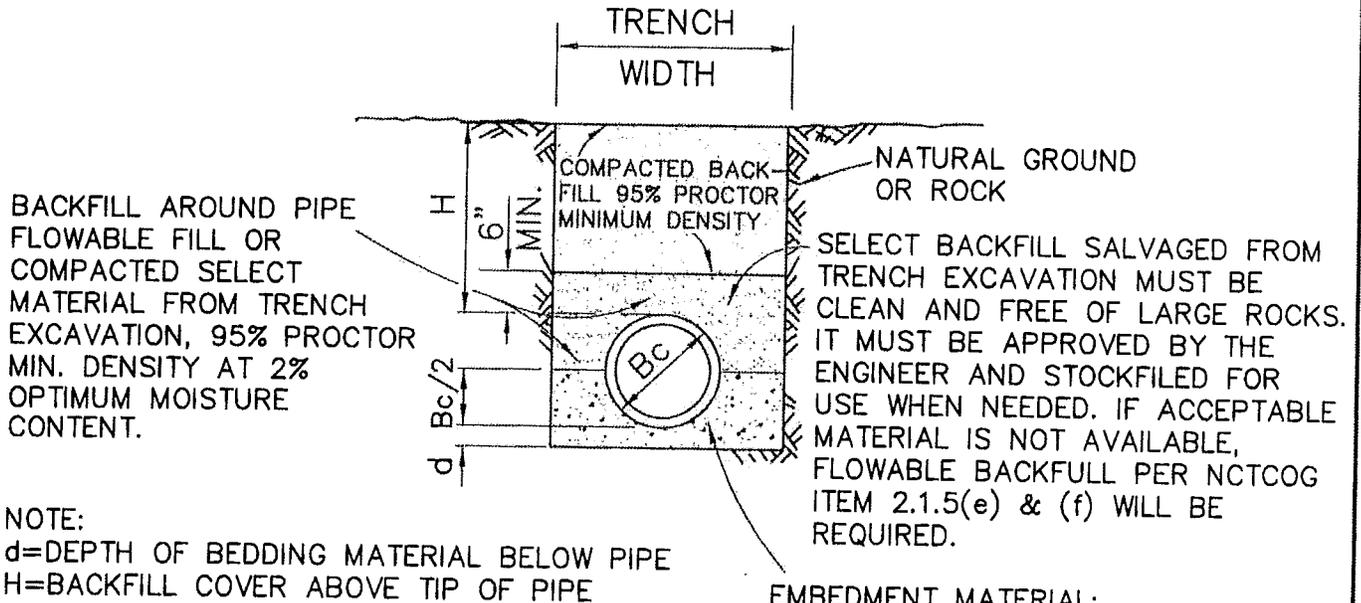
SECTION "A-A"

NOTE:

1. DETENTION POND SHALL BE DESIGNED FOR 100 YR. STORM FREQUENCY.
2. OUT FLOW SHALL NOT EXCEED EXIST. FLOW.
3. DESIGN SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO CONSTRUCTION.
4. DRAINAGE EASEMENT IS REQUIRED.

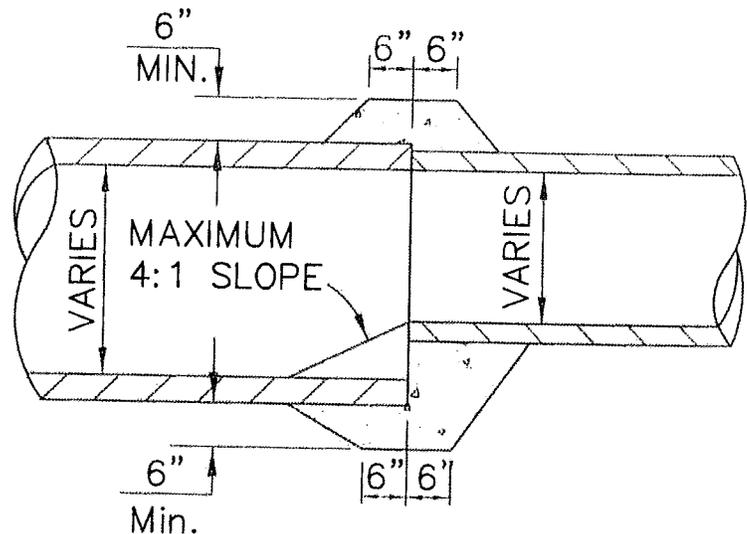
# TYPICAL DETENTION POND DETAIL

# REINFORCED CONCRETE CLASS III PIPE INSTALLATION



PIPE DIAMETER (INCHES)	TRENCH WIDTH (FEET)
15	3.0
18	3.4
21	3.8
24	4.1
27	4.4
30	4.8
33	5.2
36	5.6
42	6.3
48	7.0
54	7.8
60	8.5
66	9.2
72	10.0
78	10.7
84	11.4
90	12.1
96	12.9

DEPTH OF BEDDING MATERIAL BELOW PIPE	
D (INSIDE DIAMETER)	d (MIN.)
27" OR SMALLER	3"
30" TO 60"	4"
66" & LARGER	6"

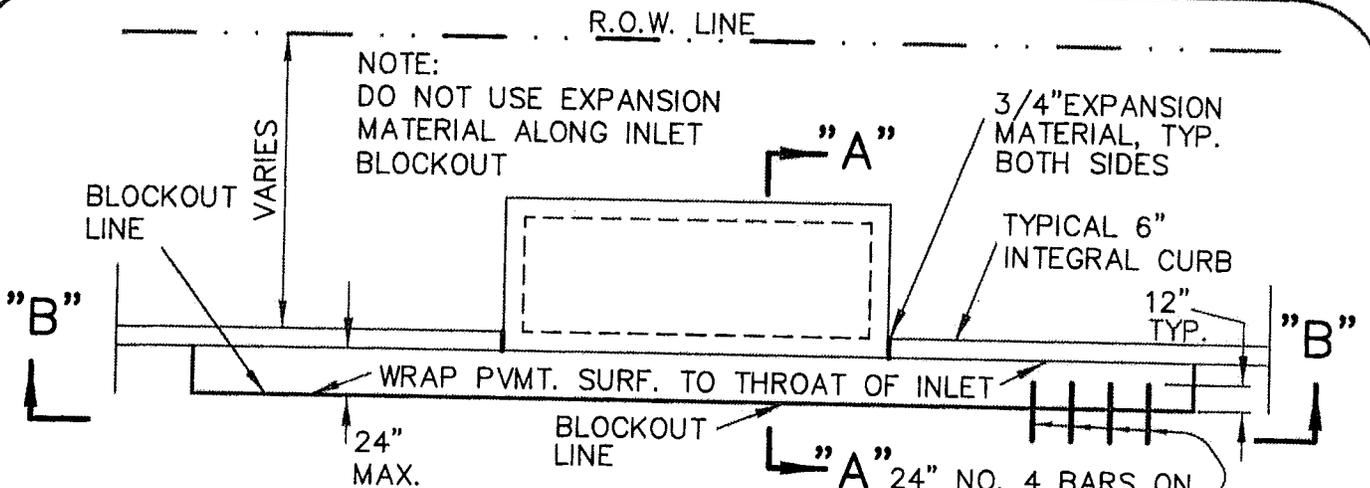


NOTE:  
 TRENCH WIDTHS BASED ON  
 $1.25 B_c + 1.0'$  WHERE  $B_c$  IS  
 THE OUTSIDE DIAMETER OF  
 THE PIPE IN FEET.

DETAIL OF CONCRETE COLLAR  
 FOR END TO END CONNECTION

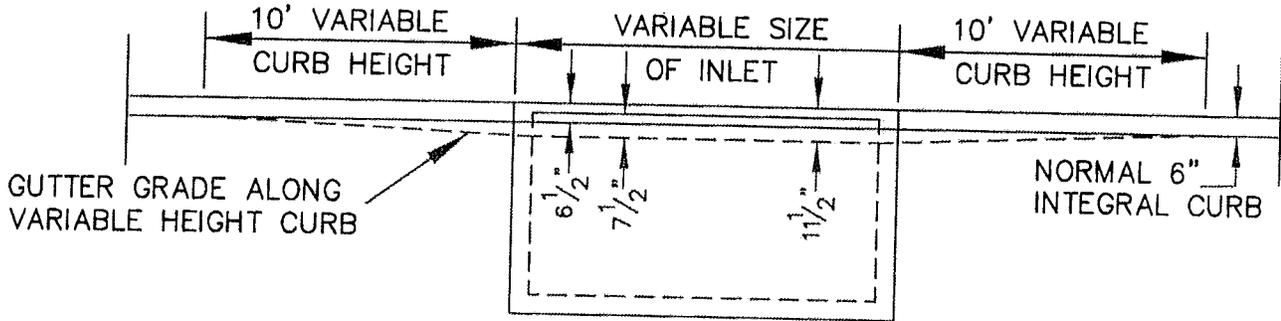
## REINFORCED CONCRETE PIPE DETAIL

NOT TO SCALE

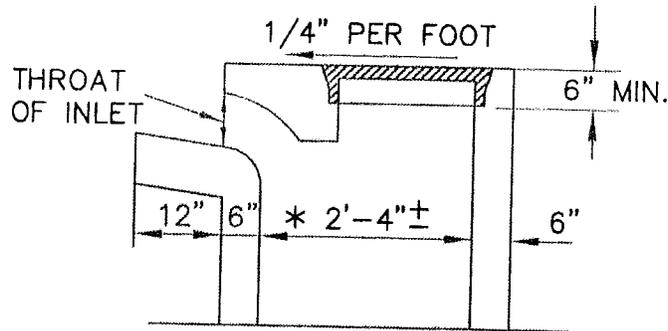


**PLAN**

NOTE:  
STREET SAWED DUMMY JOINT SHALL BE TOOLED THROUGH THROAT OF INLET



**SECTION "B-B"**



NOTE:  
TOP OF INLET SHALL BE A MIN. OF 6" THICK

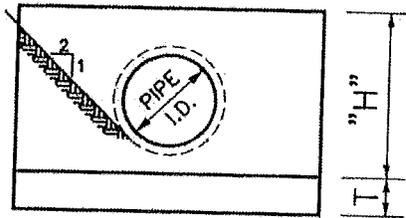
NOTE:  
\* DIMENSION VARIES FOR INLET SIZE

**SECTION "A-A"**

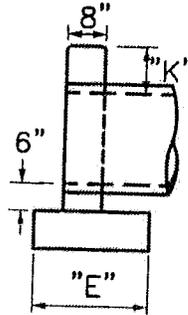
NOTE:  
FOR INLET DIMENSIONS, REINFORCING STEEL & DETAILS SEE CITY OF DALLAS DEPT. OF PUBLIC WORKS STANDARD CONSTRUCTION DETAILS, FILE 251-D, EXCEPT AS NOTED ON PLANS.

**STANDARD CURB INLET DETAIL**

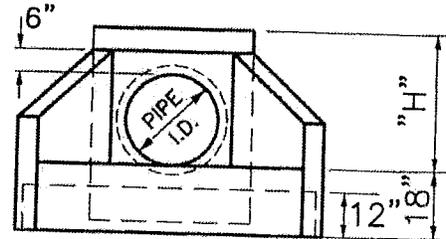
NOT TO SCALE



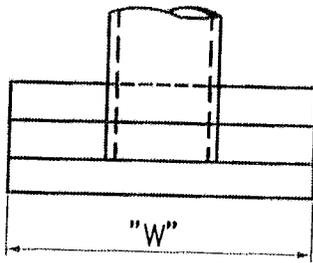
ELEVATION-TYPE "A"



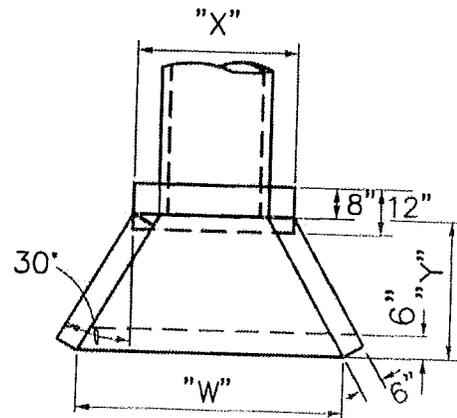
SECTION  
TYPE "A"



ELEVATION-TYPE "B"



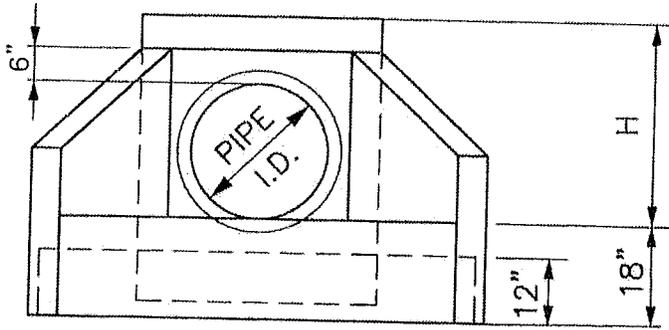
PLAN-TYPE "A"



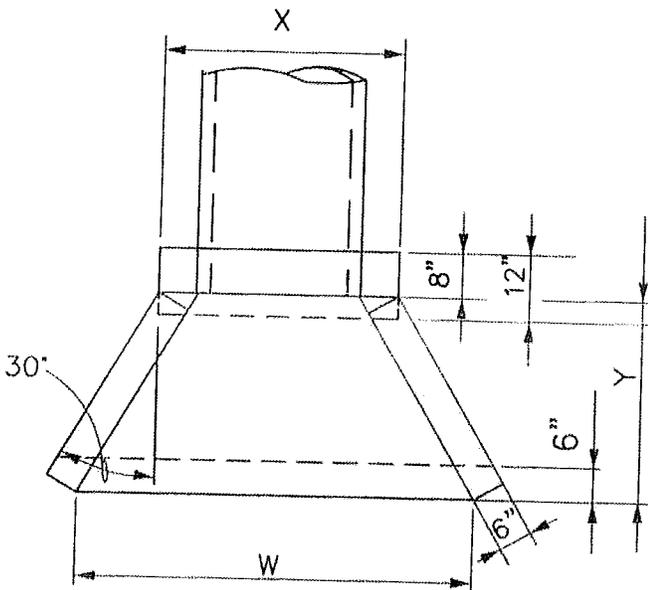
PLAN-TYPE "B"

NOTE:  
FOR HEADWALL DIMENSIONS, REINFORCING STEEL,  
AND OTHER DIMENSIONS, SEE THE CITY OF DALLAS  
DEPT. OF PUBLIC WORKS STANDARD CONSTRUCTION  
DETAILS, FILE 251-D.

TYPICAL HEADWALL DETAIL  
NOT TO SCALE



ELEVATION



PLAN

TABLE OF DIMENSIONS

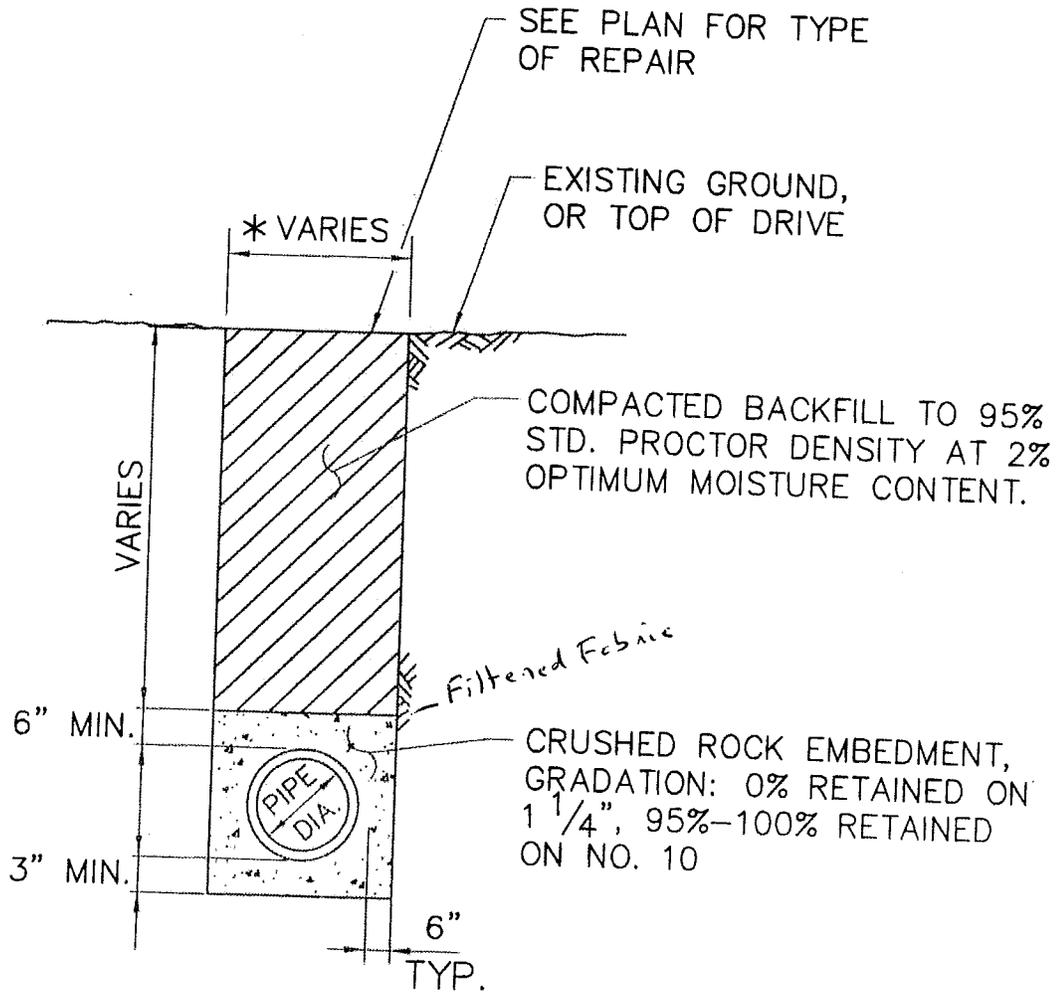
PIPE DIAMETER	TABLE OF DIMENSIONS			
	X	H	Y	W
12"	2'-4"	2'-6"	1'-0"	2'-4"
15"	2'-7 1/2"	2'-3"	1'-6"	3'-2 1/2"
18"	2'-11"	2'-6"	2'-0"	4'-0 7/8"
21"	3'-6"	3'-0"	2'-0"	5'-9 3/4"
24"	3'-6"	3'-0"	3'-0"	5'-9 3/4"
27"	4'-1"	3'-6"	4'-0"	7'-6 5/8"
30"	4'-1"	3'-6"	4'-0"	7'-6 5/8"

NOTE: FOR THE REINFORCING STEEL, AND OTHER DIMENSIONS, SEE THE CITY OF DALLAS STANDARDS AND DETAILS MANUAL, 251-D.

TYPE "B" HEADWALL  
CONCRETE HEADWALL FOR PIPE CULVERTS

NOT TO SCALE

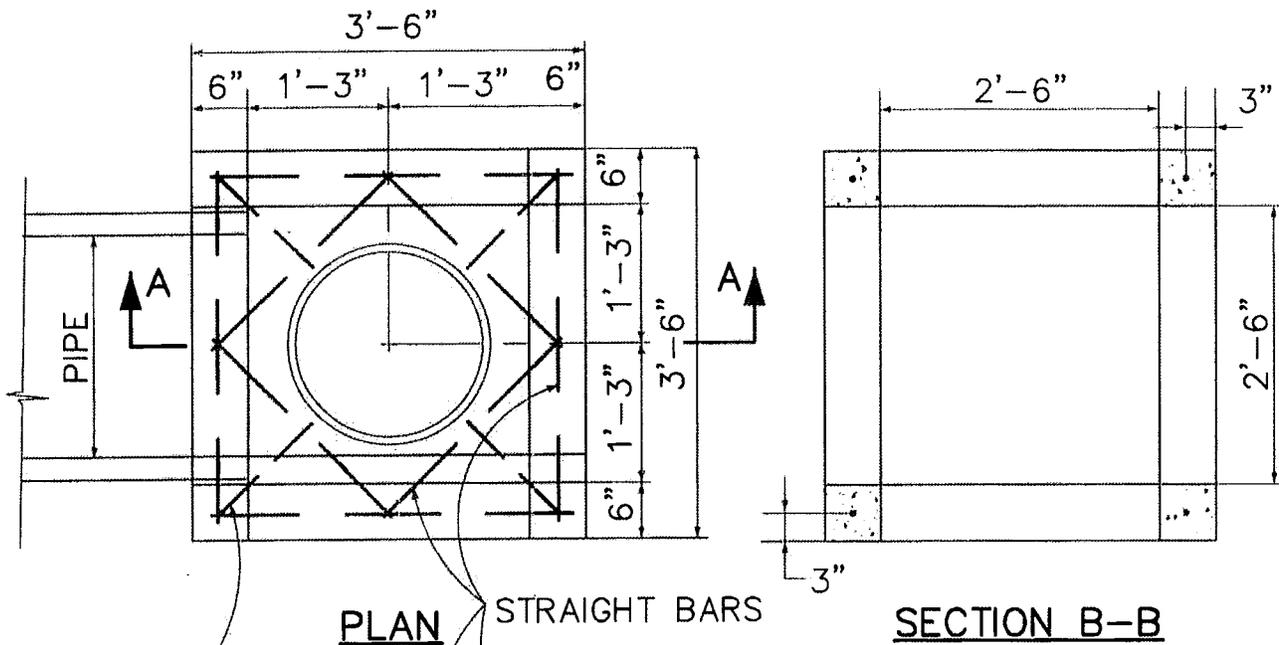
\* NOTE:  
WIDTH OF TRENCH MAY VARY,  
SEE PLAN



# STORM SEWER PIPE EMBEDMENT DETAIL

NOT TO SCALE

C: 4\STMSWREMB.DWG



PLAN

STRAIGHT BARS

SECTION B-B

BENT BARS

TOP

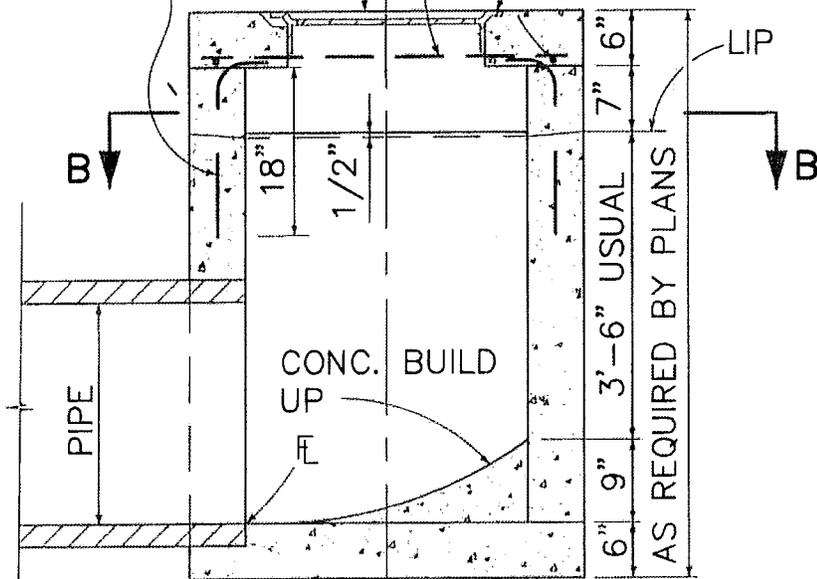
BASS & HAYS #226L  
FRAME & LID

LIP

NOTE:

ALL REINF. BARS SHALL  
BE NO. 4 BARS.

ALL CONC. SHALL BE  
3,000 PSI, MIN.



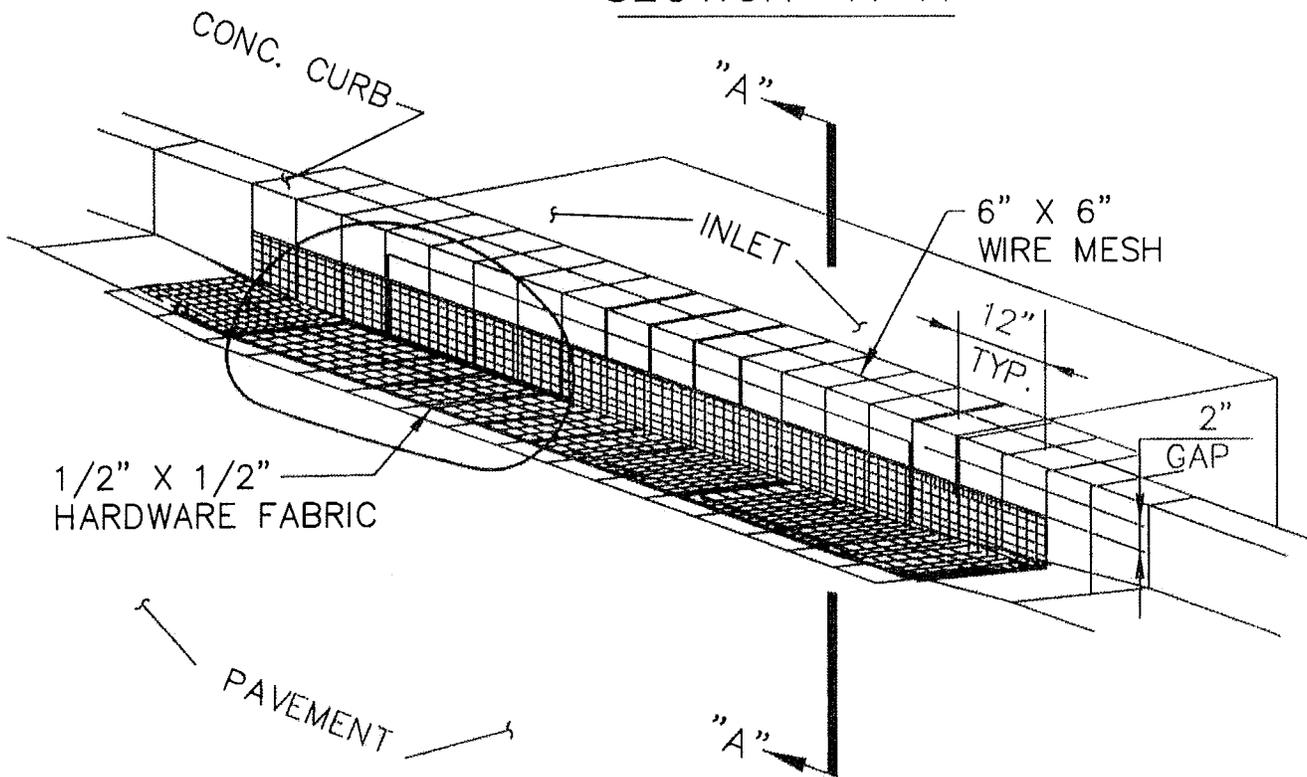
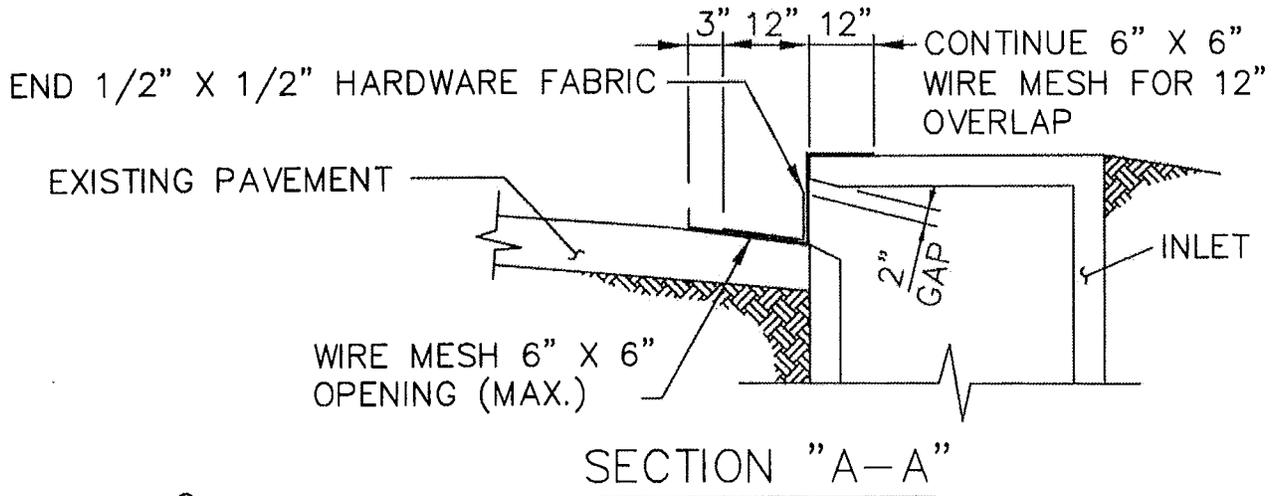
SECTION A-A

STANDARD 3'-6" x 3'-6"  
TYPE "Y" INLET

NOT TO SCALE

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NOTE:  
 EXTEND MESH AND FILTER FABRIC  
 12" BEYOND END OF INLET AT BOTH ENDS.

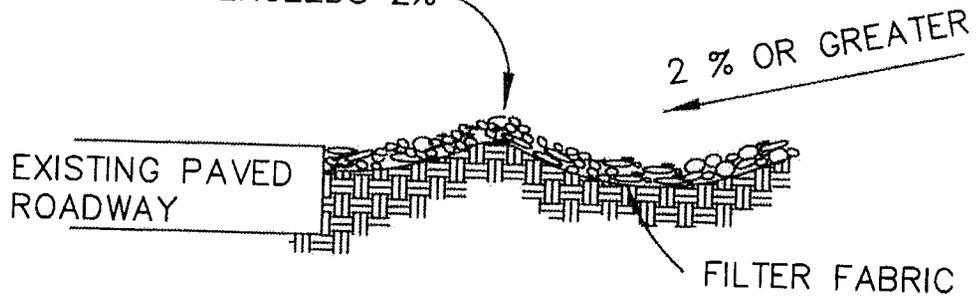


SILT PROTECTION FOR CURB INLET

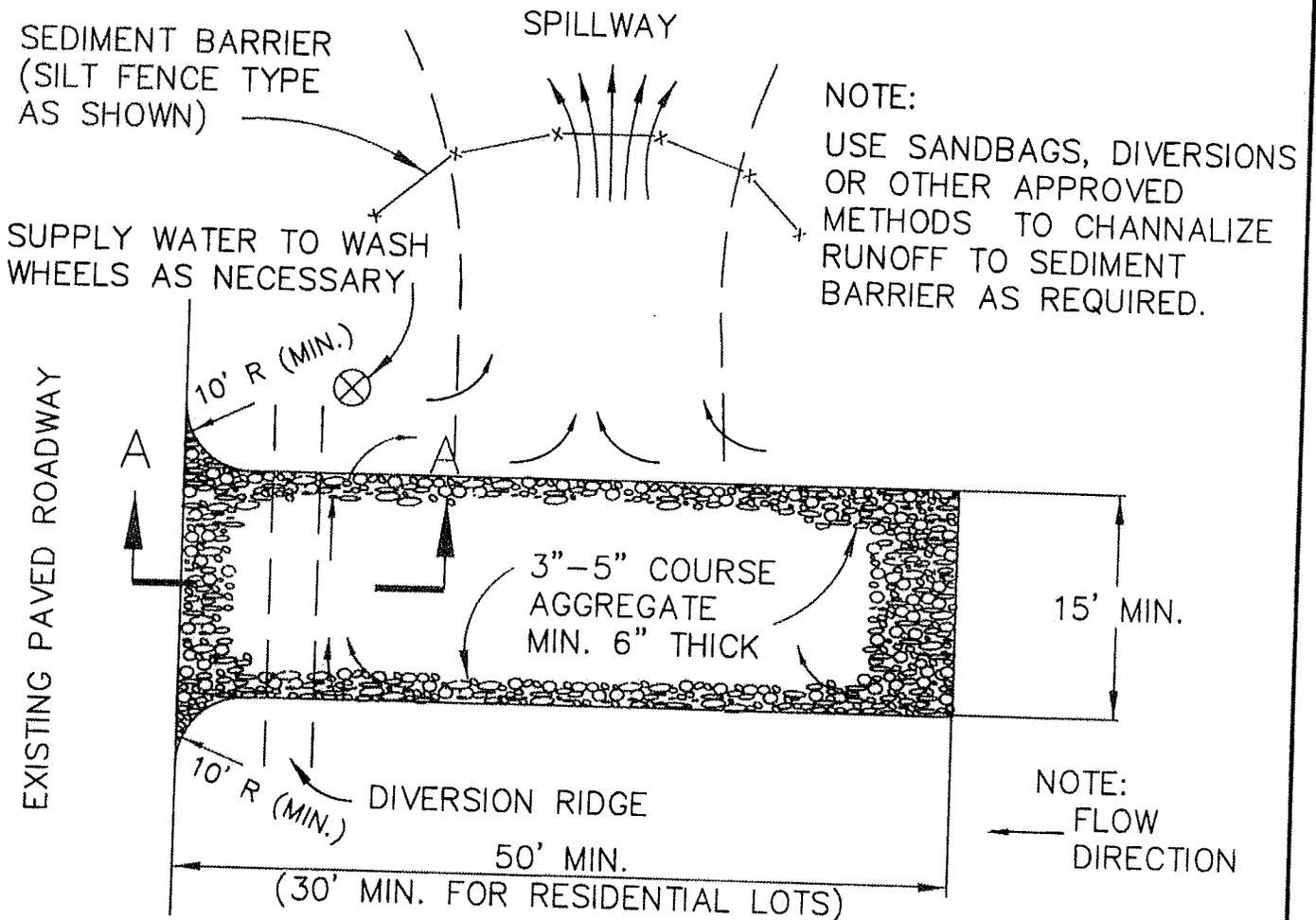
NOT TO SCALE

# **GENERAL DETAILS**

NOTE:  
 DIVERSION RIDGE REQUIRED  
 WHERE GRADE EXCEEDS 2%



SECTION A - A



PLAN

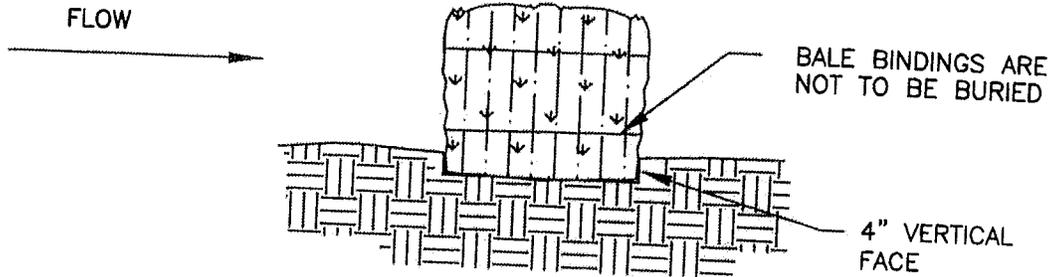
TEMPORARY STONE CONSTRUCTION  
ENTRANCE / EXIT

NO SCALE

C:\4\CONSTENT.DWG

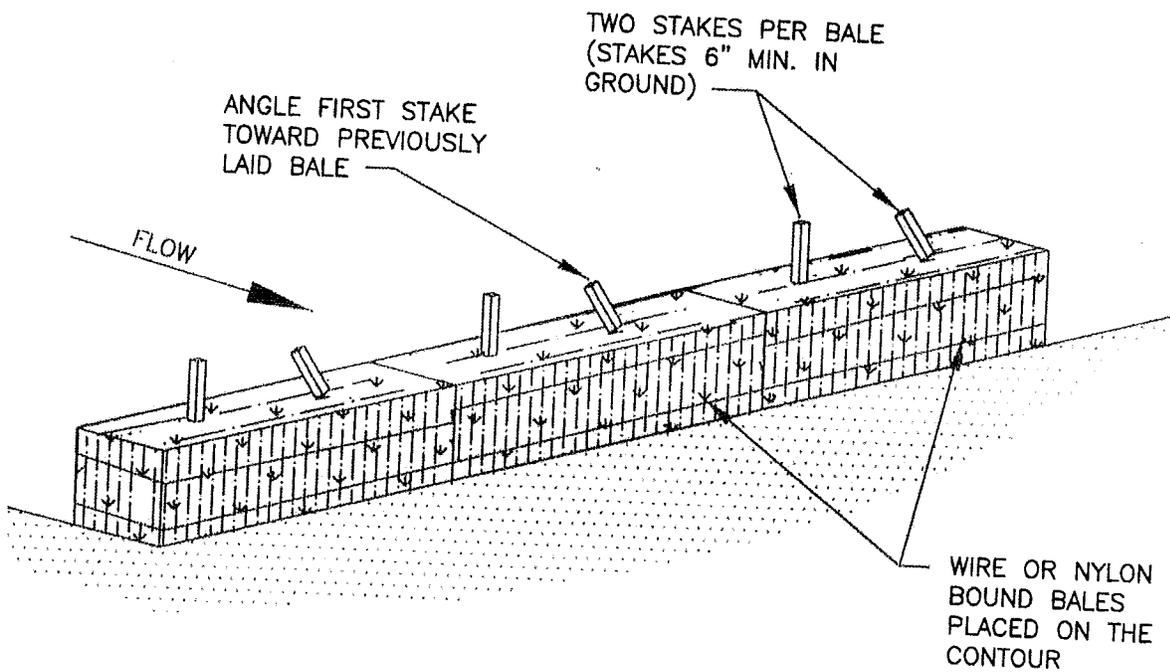
## STABILIZED CONSTRUCTION ENTRANCE

1. Stone shall be 3 to 5 inch diameter crushed rock or acceptable crushed portland cement concrete.
2. Length shall be shown on plans, with a minimum length of 30 feet for lots which are less than 150 feet from edge of pavement. The minimum length in all other cases shall be 50 feet.
3. The thickness shall not be less than 6 inches.
4. The width shall be no less than 15 feet.
5. When necessary, vehicles shall be cleaned to remove soil prior to entrance onto a public roadway. When washing is required, it shall be done on an area stabilized with crushed stone with drainage flowing away from both the street and the stabilized entrance. All soil washed from vehicles shall be collected and retained on site using approved methods.
6. The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto paved surfaces. This may require periodic top dressing with additional stone as conditions demand. All soil spilled, dropped, washed or tracked onto paved surfaces, must be removed immediately.
7. The entrance must be properly graded or incorporate a drainage swale to prevent runoff from leaving the construction site.



EMBEDDING DETAIL

N.T.S.



ANCHORING DETAIL

N.T.S.

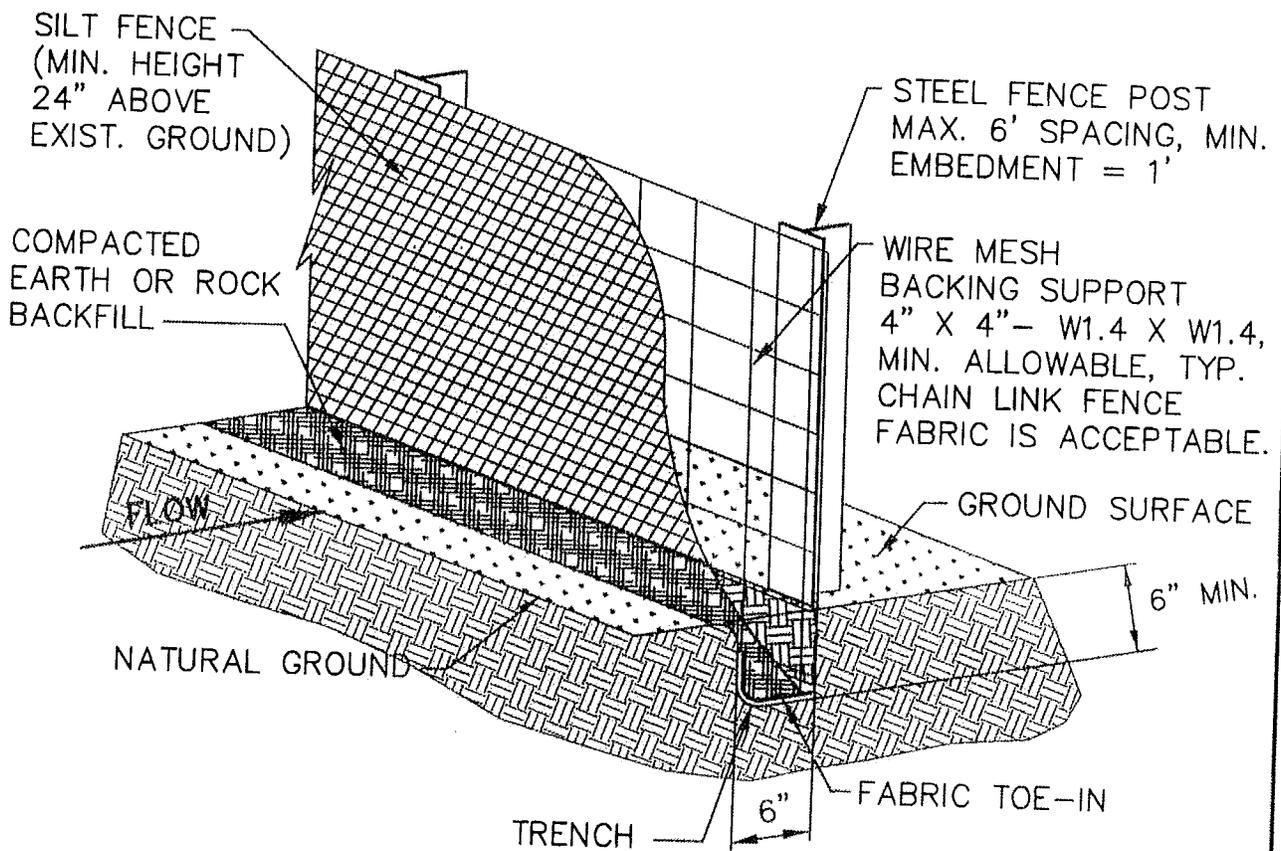
HAY BALE DETAIL

STRAW BALE DIKE GENERAL NOTES:

1. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF FOUR INCHES.
2. BALES SHALL BE SECURELY ANCHORED IN PLACE BY 2" X 2" WOOD STAKES DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER.
3. INSPECTION SHALL BE MADE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL EVENT. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED BY THE CONTRACTOR.
4. WHEN SILT REACHES A DEPTH OF 6 INCHES, IT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.
5. AFTER THE DISTURBED AREAS OF THE SITE ARE COMPLETELY STABILIZED, THE BALES SHALL BE REMOVED AND DISPOSED OF AT AN APPROVED SPOIL DISPOSAL SITE.

HAY BALE GENERAL NOTES

C:\4\HAYBALE



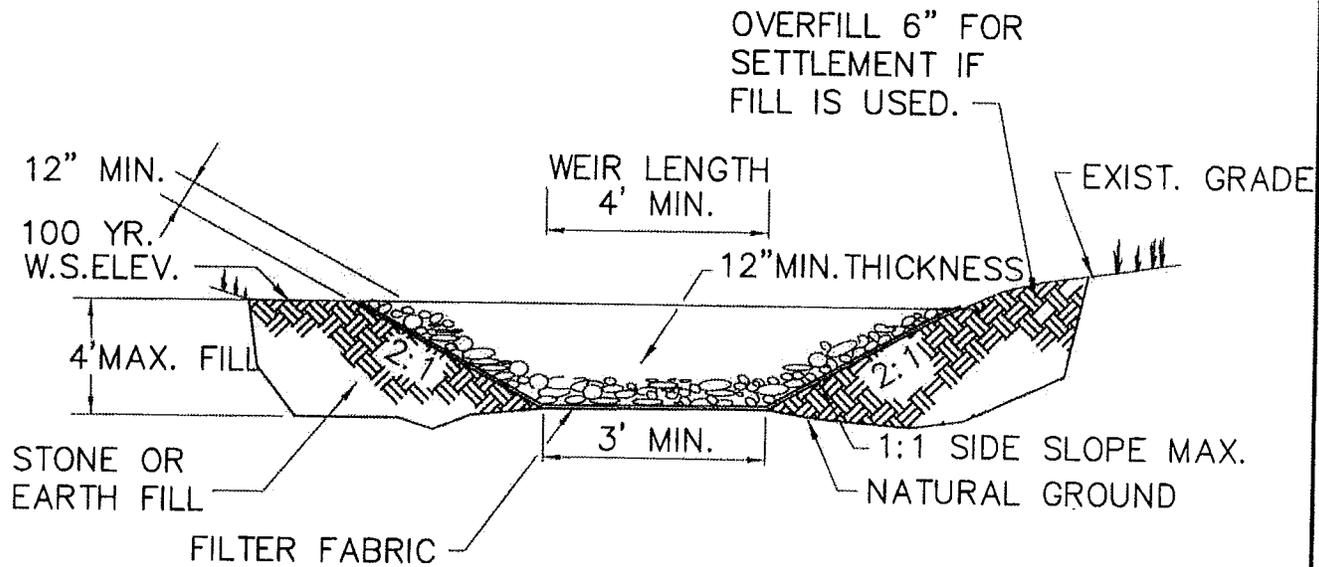
ELEVATION VIEW

SILT FENCE  
 SCALE : 1" = 1'

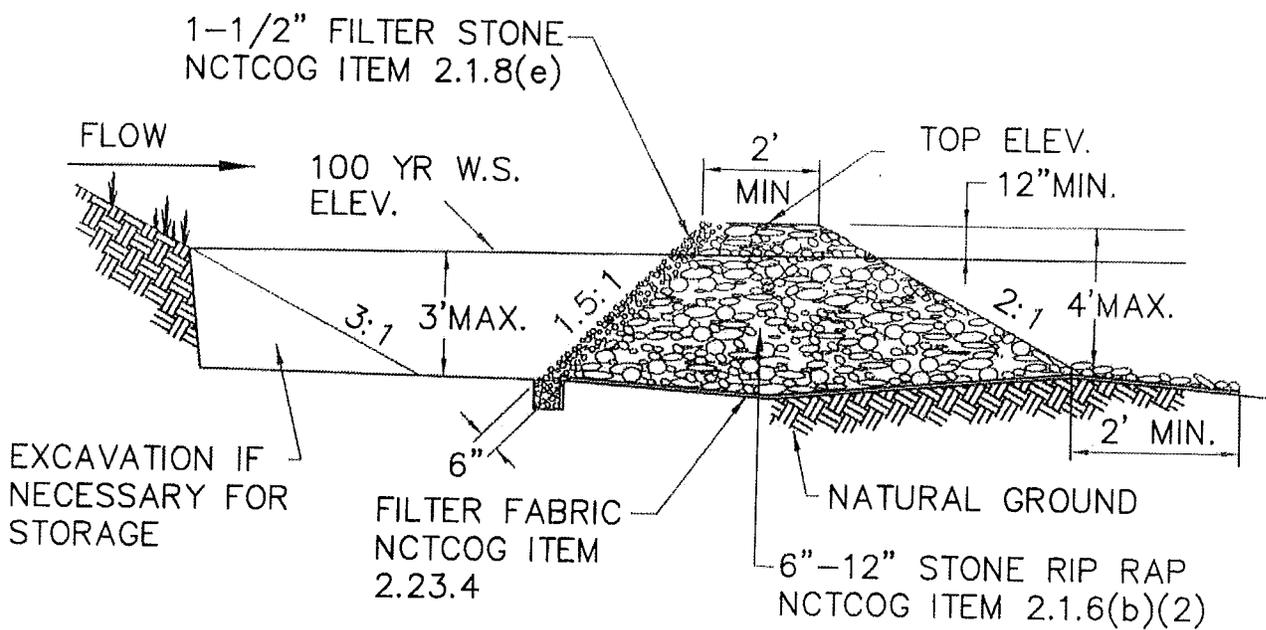
C:\4\SILTFENC.DWG

## SILT FENCE

1. Steel posts which support the silt fence shall be installed on a slight angle toward the anticipated runoff source. Post must be embedded a minimum of one foot.
2. The toe of the silt fence shall be trenched in with a spade or mechanical trencher, so that the downslope face of the trench is flat and perpendicular to the line of flow. Where fence cannot be trenched in (e.g. pavement), weight fabric flap with rock on uphill side to prevent flow from seeping under fence.
3. The trench must be a minimum of 6 inches deep and 6 inches wide to allow for the silt fence fabric to be laid in the ground and backfilled with compacted material.
4. Silt fence should be securely fastened to each steel post or support post or to woven wire, which is in turn attached to the steel fence post. There shall be a 3 foot overlap, securely fastened where ends of fabric meet.
5. Inspection shall be made weekly and after each rainfall. Repair or replacement shall be made promptly as needed.
6. Silt fence shall be removed when the site is completely stabilized so as not to block or impede storm flow or drainage.
7. Accumulated silt shall be removed when it reaches a depth of half the height of the fence. The silt shall be disposed at an approved site and in such a manner so as to not contribute to additional siltation.



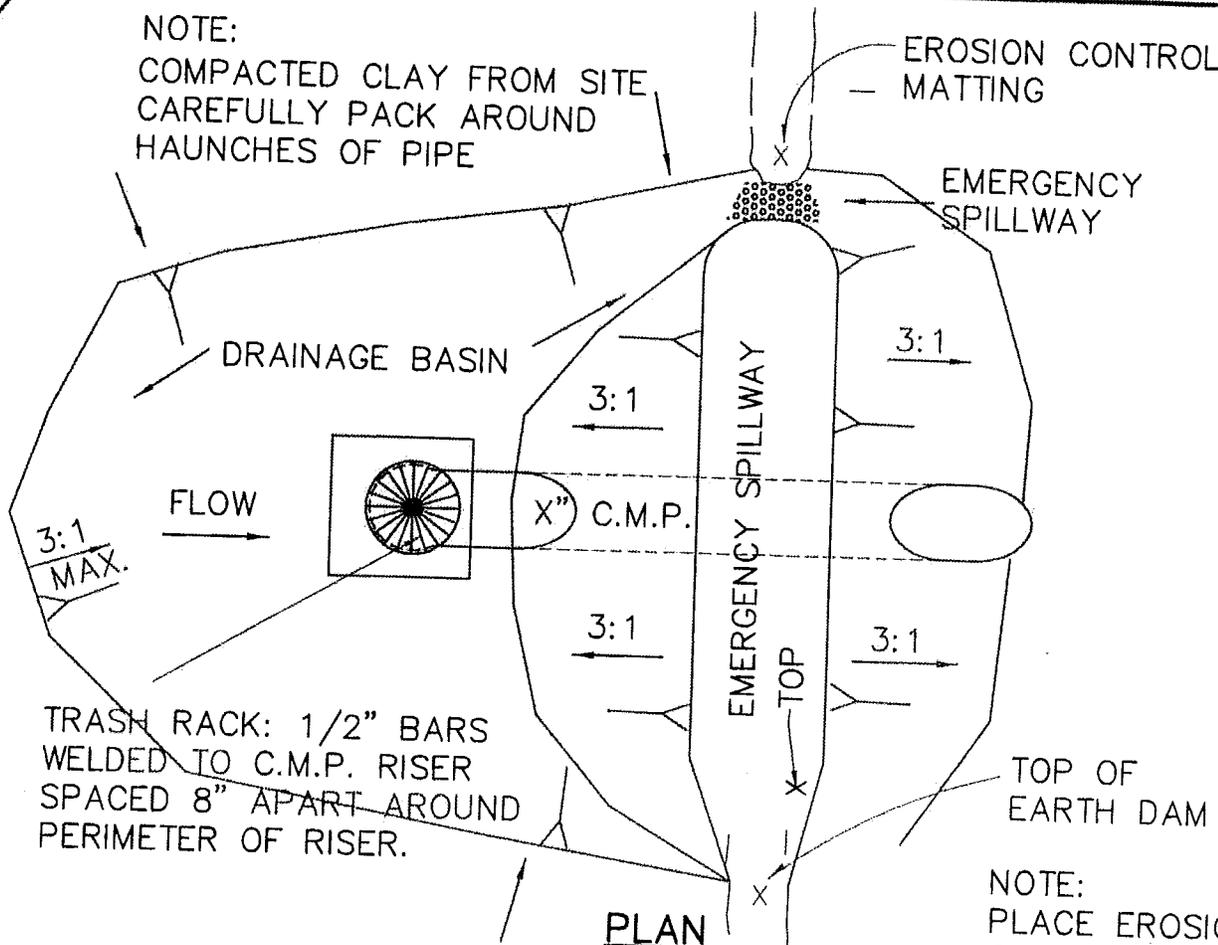
**EMBANKMENT & SPILLWAY ELEVATION**



**SECTION**

**STONE OUTLET SEDIMENT TRAP**

NOTE:  
 COMPACTED CLAY FROM SITE  
 CAREFULLY PACK AROUND  
 HAUNCHES OF PIPE



EROSION CONTROL  
 MATTING

EMERGENCY  
 SPILLWAY

DRAINAGE BASIN

FLOW

3:1  
 MAX.

3:1

3:1

3:1

3:1

TRASH RACK: 1/2" BARS  
 WELDED TO C.M.P. RISER  
 SPACED 8" APART AROUND  
 PERIMETER OF RISER.

EMERGENCY SPILLWAY

TOP

TOP OF  
 EARTH DAM

PLAN

NOTE:  
 PLACE EROSION-  
 CONTROL MATTING  
 ON 3:1 SLOPPED  
 FILL ON SPILLWAY.

COMPACTED CLAY FILL FROM  
 SITE, CAREFULLY PACK AROUND  
 HAUNCHES OF PIPE.

TOP OF EARTH  
 DAM AT "X" ELEV.  
 TRASH RACK

12"

100 YR. W.S.  
 ELEV.

X' x 4' WIDE FOR EMERGENCY  
 SPILLWAY

EROSION CONTROL  
 MATTING

X" DIA.  
 C.M.P.

18"

12"

3:

3:1

X" C.M.P.

BACKFILL WITH  
 1 1/2" FILTER  
 STONE TO A  
 DEPTH OF 21"  
 AROUND RISER.

"X" DIA.  
 +1.0'

DEWATERING HOLES: 1/2" DIA.  
 SPACED AT 10" HORIZONTALLY  
 & 8" ± VERTICALLY.

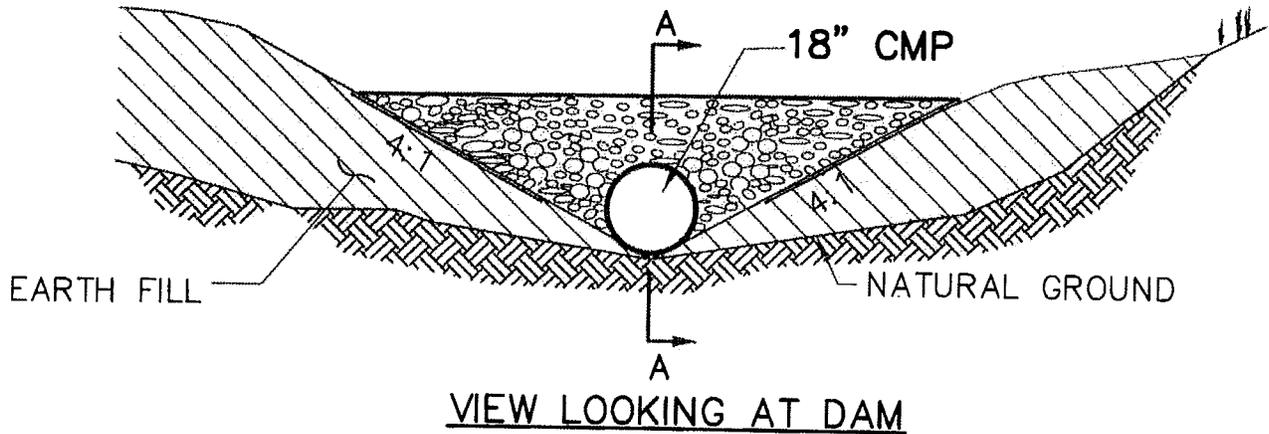
CONC. BASE ATTACHED TO  
 X" DIA. C.M.P. RISER.

SECTION

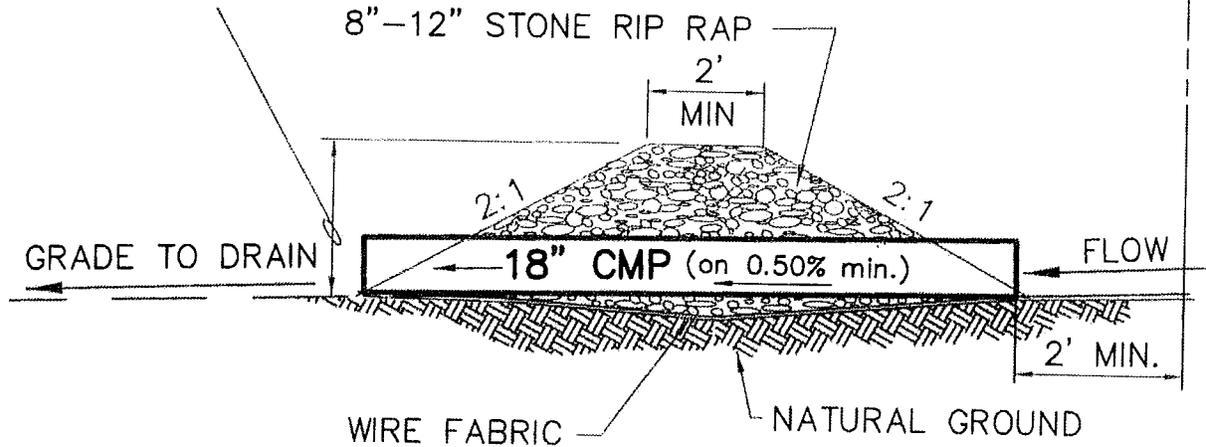
SEDIMENT BASIN

NO SCALE

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NOTE: HEIGHT SHALL BE 24" MIN.  
OR AS SHOWN ON PLAN



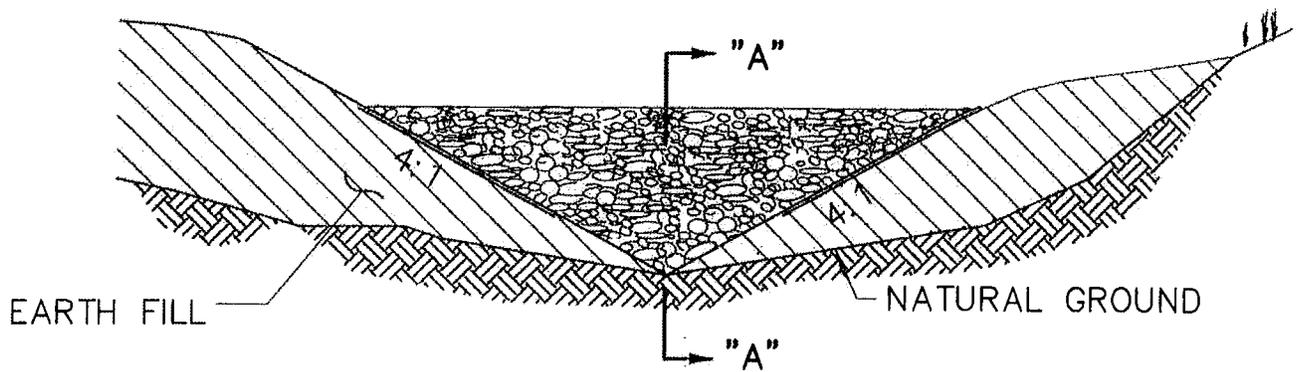
ROCK DAM with 18" CMP

C:\4\ROCK DAM with 18" CMP

ROCK DAM GENERAL NOTES :

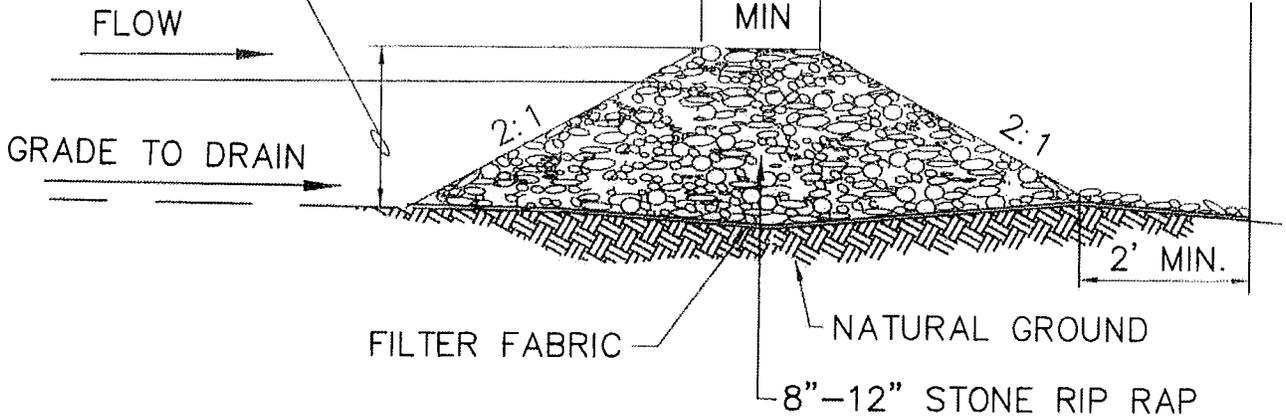
1. USE ONLY OPEN GRADED ROCK 8-12 INCHES IN DIAMETER FOR STREAM FLOW CONDITION. USE OPEN GRADED ROCK 8-10 INCHES IN DIAMETER FOR OTHER CONDITIONS.
2. THE ROCK DAM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING A MAXIMUM OPENING OF 1 INCH AND A MINIMUM WIRE SIZE OF 20 GAUGE AND SHALL BE BURIED APPROXIMATELY 2 TO 3 INCHES DEEP.
3. THE ROCK DAM SHALL BE INSPECTED EVERY TWO WEEKS OR AFTER EACH 1/2" RAIN EVENT AND SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
4. WHEN SILT REACHES A DEPTH EQUAL TO ONE-THIRD OF THE HEIGHT OF THE DAM FOR ONE FOOT, WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED OF PROPERLY.
5. ROCK DAM SHOULD BE USED AS CHECK DAMS FOR CONCENTRATED FLOW AND ARE NOT INTENDED FOR USE IN PERIMETER PROTECTION.

ROCK DAM with 18" CMP



VIEW LOOKING AT DAM

NOTE: FOR HEIGHT  
SEE PLAN



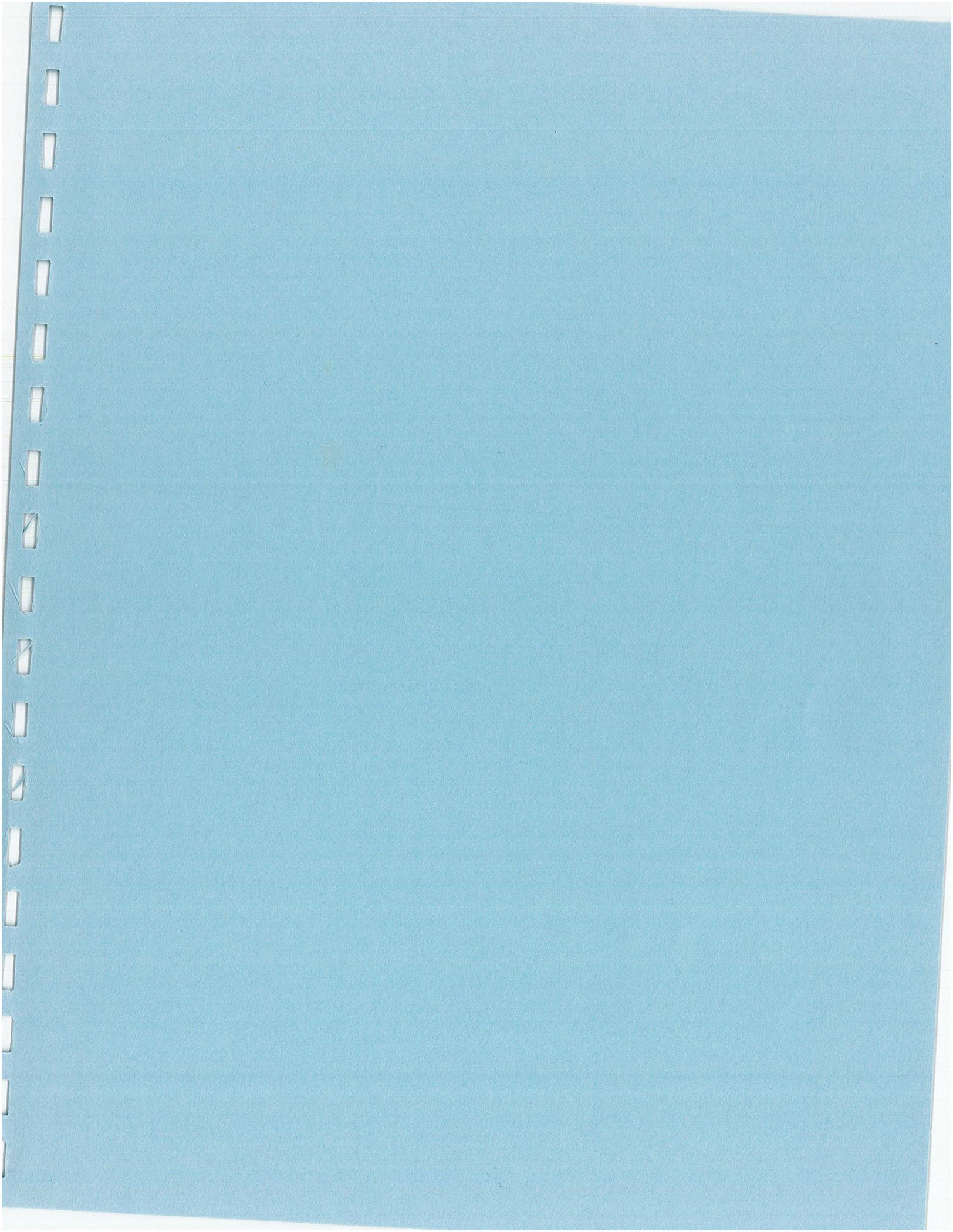
SECTION "A"-"A"

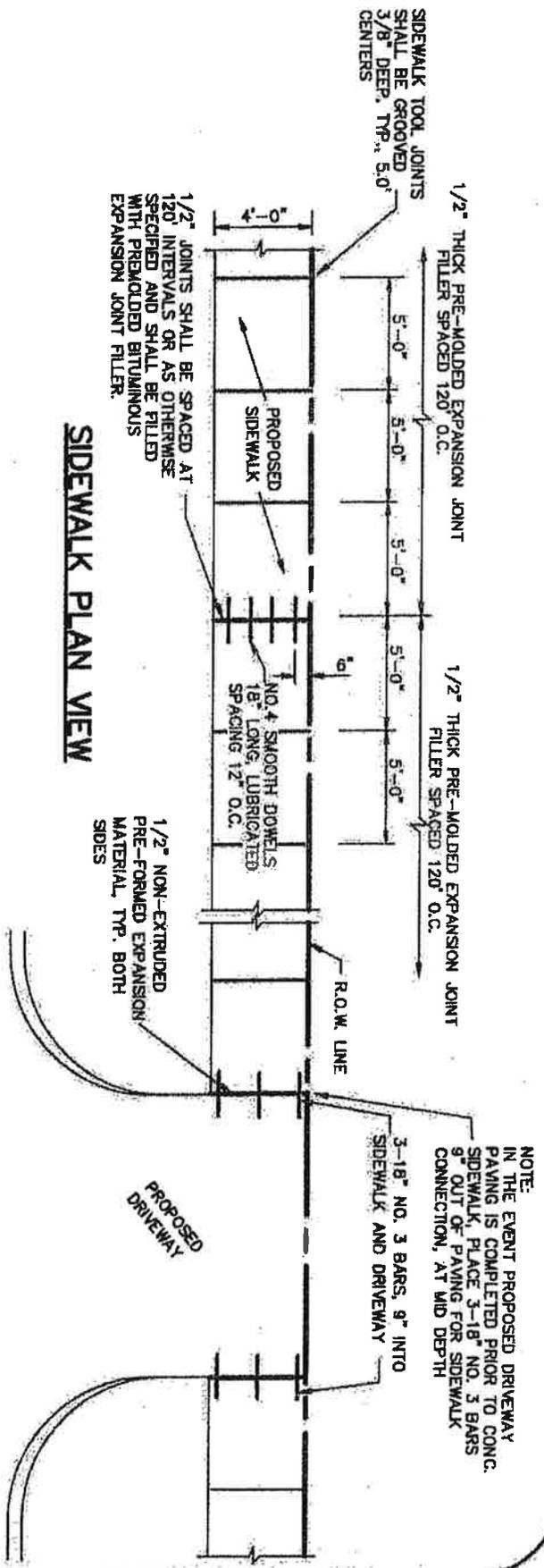
PERMANENT ROCK DAM

ROCK DAM GENERAL NOTES :

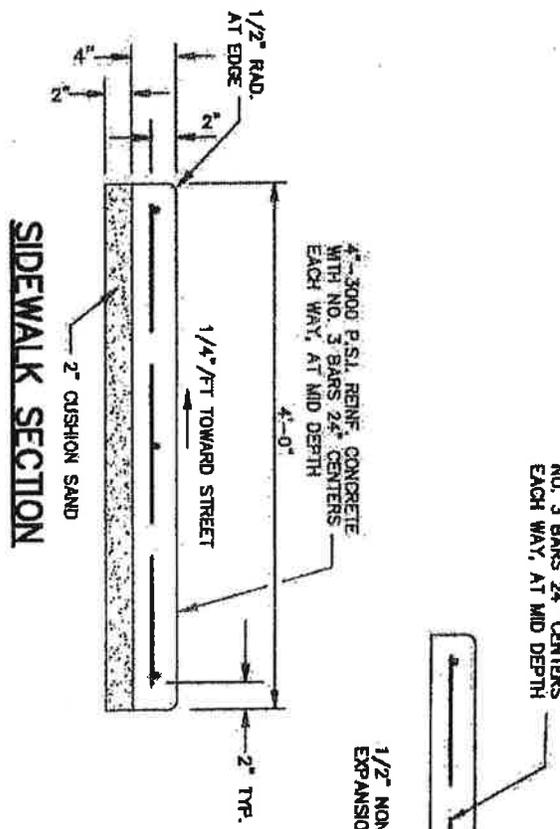
1. USE ONLY OPEN GRADED ROCK 4-8 INCHES IN DIAMETER FOR STREAM FLOW CONDITION. USE OPEN GRADED ROCK 3-5 INCHES IN DIAMETER FOR OTHER CONDITIONS.
2. THE ROCK DAM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING A MAXIMUM OPENING OF 1 INCH AND A MINIMUM WIRE SIZE OF 20 GAUGE AND SHALL BE BURIED IN A TRENCH APPROXIMATELY 3 TO 4 INCHES DEEP.
3. THE ROCK DAM SHALL BE INSPECTED EVERY TWO WEEKS OR AFTER EACH 1/2" RAIN EVENT AND SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
4. WHEN SILT REACHES A DEPTH EQUAL TO ONE-THIRD OF THE HEIGHT OF THE DAM FOR ONE FOOT, WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED OF PROPERLY.
5. ROCK DAM SHOULD BE USED AS CHECK DAMS FOR CONCENTRATED FLOW AND ARE NOT INTENDED FOR USE IN PERIMETER PROTECTION.

PERMANENT ROCK DAM

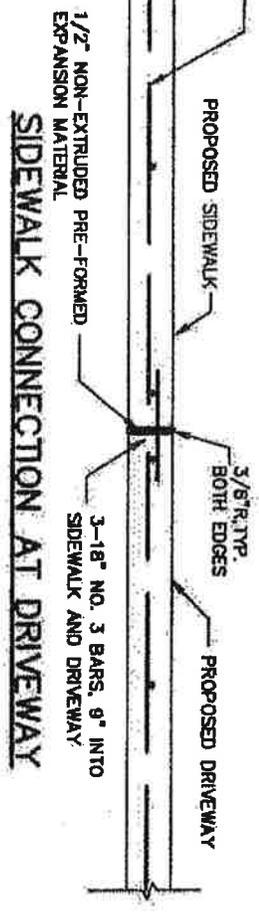




**SIDEWALK PLAN VIEW**



**SIDEWALK SECTION**



**CONCRETE SIDEWALK DETAIL**

N.T.S.

**ORDINANCE NO. 11-13**

**AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF SEAGOVILLE, DALLAS COUNTY, TEXAS, AMENDING THE TECHNICAL CONSTRUCTION STANDARDS AND SPECIFICATIONS MANUAL (“TCSS”), SECTION 2. DESIGN PROVISIONS, BY ADDING SUBSECTION VIII. PARKING LOTS/PARKING SPACES, TO PROVIDE DESIGN STANDARDS FOR THE CONSTRUCTION OF NON-RESIDENTIAL PARKING LOTS/SPACES WITHIN THE CITY; PROVIDING FOR EXCEPTIONS; AND THE GENERAL NOTES AND STANDARD DETAILS MANUAL, PAVING CONSTRUCTION NOTES, TO PROVIDE FOR SAME; PROVIDING A REPEALING CLAUSE; PROVIDING A SAVINGS CLAUSE; PROVIDING A SEVERABILITY CLAUSE; PROVIDING FOR PENALTY OF A FINE NOT TO EXCEED FIVE HUNDRED DOLLARS (\$500); AND PROVIDING FOR AN EFFECTIVE DATE.**

**WHEREAS**, the City has adopted a Technical Construction Standards and Specifications Manual (“TCSS”) providing the standards and specifications for the design of street and alley paving, water and sanitary sewer mains, and storm sewer facilities; and

**WHEREAS**, the General Notes and Standard Details Manual, which accompanies the TCSS, provides for the construction of water mains, sanitary sewer mains, street paving and storm sewer lines; and

**WHEREAS**, the City desires to incorporate provisions for the standards, specifications, notes and details for construction of parking facilities (lots and spaces), and the exceptions thereto, into the TCSS and the General Notes and Standard Details Manual; and

**WHEREAS**, after discussion and consideration, the City Council has determined that the TCSS and the General Notes and Standard Details Manual should be amended to provide for the design standards for parking facilities as provided herein.

**NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF SEAGOVILLE, TEXAS:**

**SECTION 1.** The City of Seagoville Technical Construction Standards and Specifications Manual be and the same is hereby amended by amending Section 2. “Design Provisions” by adding Subsection VIII. Parking Lots/Parking Spaces, to provide design standards for the construction of non-residential parking lots/spaces within the City and the exceptions thereto, which shall read as follows:

**“Section 2. Design Provisions**

.....

**VIII. Parking Lots/Parking Spaces**

**A Construction**

All new commercial and industrial parking lots/parking spaces shall be constructed of a minimum five-inch (5”) thick 3,000 psi NCTCOG Class “A” concrete with Number (#4) steel bars on twenty four-inch (24”) centers or Number (#3) steel bars on eighteen-inch

(18”) centers, each approved type expansion joint will have Greased Cap Dowels equally spaced as per rebar size or Asphalt which has been designed by an Engineer which meets the design loads of the concrete.

Premises used as motor-vehicle service stations or parking lots shall have a six-inch (6”) raised curb or other approved traffic barrier along the entire street frontage except at the driveway approaches and access walks. The curb shall be placed so that automobile bumpers shall not extend over the sidewalk or public property.

B. Exceptions

Existing legal nonconforming commercial and/or industrial parking lots/parking spaces which have been constructed of asphalt or other all weather material may be replaced or repaired with the same or higher material.”

**SECTION 2.** The City of Seagoville General Notes and Standard Details Manual, be and the same is hereby amended by amending the Paving Construction Notes to provide design standards and paving details for the construction of non-residential parking lots/spaces within the City and the exceptions thereto, which shall read as follows:

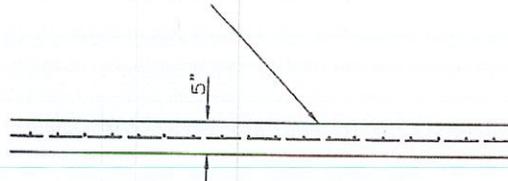
**“PAVING CONSTRUCTION NOTES**

.....

**PARKING LOTS/PARKING SPACES**

1. All new commercial and industrial parking lots/parking spaces shall be constructed of a minimum five-inch (5”) thick 3,000 psi NCTCOG Class “A” concrete with Number (#4) steel bars on twenty four-inch (24”) centers or Number (#3) steel bars on eighteen-inch (18”) centers, each approved type expansion joint will have Greased Cap Dowels equally spaced as per rebar size or Asphalt which has been designed by an Engineer which meets the design loads of the concrete.
2. Premises used as motor-vehicle service stations or parking lots shall have a six-inch (6”) raised curb or other approved traffic barrier along the entire street frontage except at the driveway approaches and access walks. The curb shall be placed so that automobile bumpers shall not extend over the sidewalk or public property.
3. Existing legal nonconforming commercial and/or industrial parking lots/parking spaces which have been constructed of asphalt or other all weather material may be replaced or repaired with the same or higher material.”

5" 3000 P.S.I. Reinf. Conc. Pvrnt. @28 Days (5 Sacks Per Cubic Yard) w/ No. 4 Bars On 24" Centers Each Ways at Mid Depth.



PAVING SECTION

Note:

1. Fire Lane paving shall be a minimum of 6" reinforced concrete w/No. 4 Bars on 24" Centers Each Way at Mid Depth.

TYPICAL PARKING LOT PAVING DETAIL

Not to Scale

c:\4\Typ.ParkingLotDetail

**SECTION 3.** All ordinances of the City of Seagoville in conflict with the provisions of this ordinance shall be, and the same are hereby, repealed; provided, however, that all other provisions of said ordinances not in conflict herewith shall remain in full force and effect.

**SECTION 4.** Should any word, sentence, paragraph, subdivision, clause, phrase or section of this ordinance or of the Code of Ordinances, as amended hereby, be adjudged or held to be void or unconstitutional, the same shall not affect the validity of the remaining portions of said ordinance or the Code of Ordinances, as amended hereby, which shall remain in full force and effect.

**SECTION 5.** An offense committed before the effective date of this ordinance is governed by prior law and the provisions of the Code of Ordinances, as amended, in effect when the offense was committed and the former law is continued in effect for this purpose.

**SECTION 6.** Any person, firm or corporation violating any of the provisions or terms of this ordinance or of the Code of Ordinances as amended hereby, shall be subject to the same penalty as provided for in the Code of Ordinances of the City of Seagoville, as previously amended, and upon conviction shall be punished by a fine not to exceed the sum of Five Hundred Dollars (\$500) for each offense.

**SECTION 7.** This ordinance shall take effect immediately from and after its passage and publication of the caption as required by law.

**DULY PASSED** by the City Council of the City of Seagoville, Texas, on the 17<sup>th</sup> day of June, 2013.

**APPROVED:**

  
HAROLD R. MAGILL, MAYOR

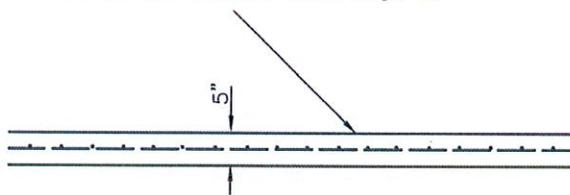
**ATTEST:**

  
DARA CRABTREE, CITY SECRETARY

**APPROVED AS TO FORM:**

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ROBERT E. HAGER, CITY ATTORNEY

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