

STANDARD TRENCH DETAIL

NOTE 1: IN COLD WEATHER PLACE ROAD BASE TO GRADE & REPLACE WITH HOT MIX WHEN WEATHER IS SUITABLE.

NOTE 2: HAUNCHING FOR WATER LINE SHALL BE 3/4" MINUS FINE, GRAINED LOW PERMEABILITY MATERIALS. SEWER BEDDING MAYBE SINGLE SIZE SCREENED ROCK UP TO 1.5". SHARP AND/OR ABRASIVE MATERIALS ARE PROHIBITED.

NOTE 3. DEPTH OF COVER OVER WATER LINES SHALL BE A MINIMUM 5' AND A MAXIMUM OF 6' UNLESS OTHERWISE INDICATED ON THE TOWN APPROVED PLANS IN THE TOWN APPROVED PLANS STRUCTURAL INSULATION (PER WATER STANDARDS) MAY BE REQUIRED FOR COVER OF LESS THAN 5'.

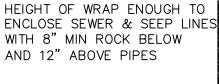


TOWN OF RIDGWAY

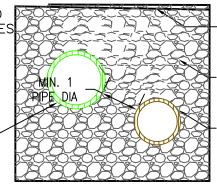
P.O. BOX 10 - 201 N RAILROAD RIDGWAY, CO 81432 970.626.5308 www.town.ridgway.co.us

STANDARD TRENCH DETAIL

DATE: 2/10/22 SHEET:



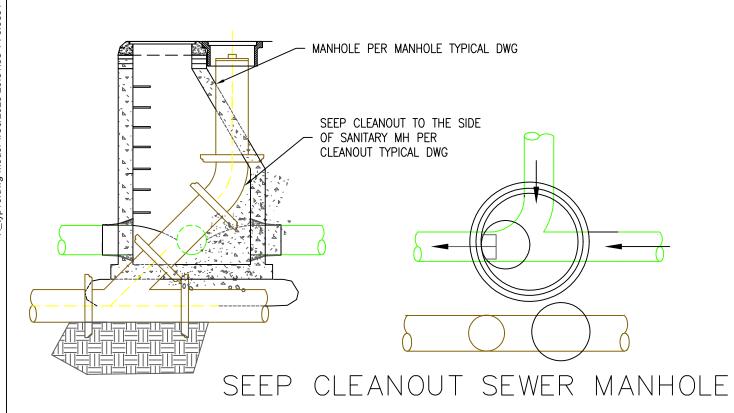
SEWER MAIN (SIZE & MATL PER APPD PLANS)



-12 OZ MIN. NON WOVEN GEOTEXTILE SURROUNDING SCREENED ROCK PIPE BEDDING.

3/4" - 1-1/2" SCREENED ROCK 6" LIFTS COMPACTED TO 95% STD PROCTOR PERFORATED HDPE (SEEP LINE.).

SEWER W/GEOTEXTILE BEDDING DETAIL



N.T.S.

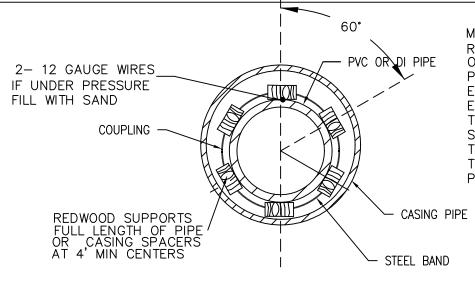


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SEWER / SEEP DETAIL

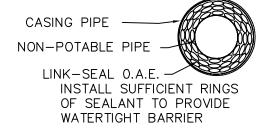
DATE: 9/10/22 SHEET:



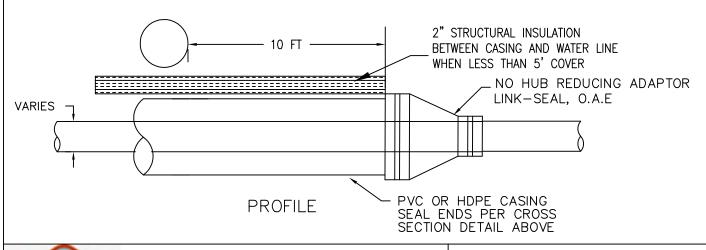
MANUFACTURED PIPE SUPPORTS OR REDWOOD STRIPS TO BE OF SUFFICIENT SIZE & SPACING TO PREVENT BELLS FROM RESTING ON ENCASING PIPE. WOODEN STRIPS TO EXTEND FULL LENGTH OF PIPE BETWEEN COUPLING. THREE STEEL BAND TIES TO BE USED TO CONNCET WOODEN SUPPORTS TO EACH JOINT OF PVC PIPE PLACED IN THE ENCASING PIPE.

NOTES:

- 1. CENTER CASING OVER OR UNDER WATER LINE W/CARRIER PIPE JOINT CENTERED IN THE CASING.
- 2. PLACE 2" INSULATION BETWEEN CASING & WATER MAIN,5' ON EACH SIDE OF WATER LINE.
- 3. WHEN POTABLE LINE IS BELOW THE SEWER LINE SEALED ENDS ARE REQUIRED ON THE CASING. SEAL MAY BE SOLID NO HUB REDUCING COUPLING OR LINK SEAL
- 4. CASING PIPE SHALL BE OF SUFFICIENT SIZE TO ALLOW FOR EASY INSTALLATION OF THE CARRIER PIPE INCLUDING THE BELL. CARRIER SHALL BE FULLY SUPPORTED
- 5. CONCRETE ENCASEMENTS ARE PROHIBITED EXCEPT WHERE EXPRESSLY AUTHORIZED IN WRITING BY THE TOWN.



WATERTIGHT ENDS - CROSS SECTION



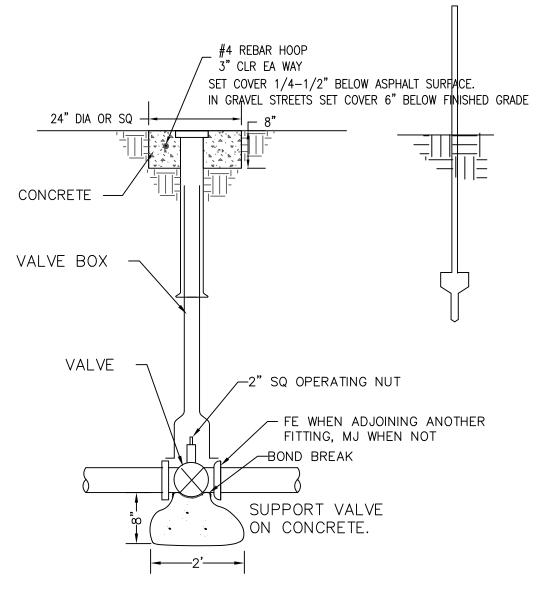


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CASING PIPE DETAIL

DATE: 9/20/22 SHEET:



GATE VALVE AND BOX

SECTION VIEW

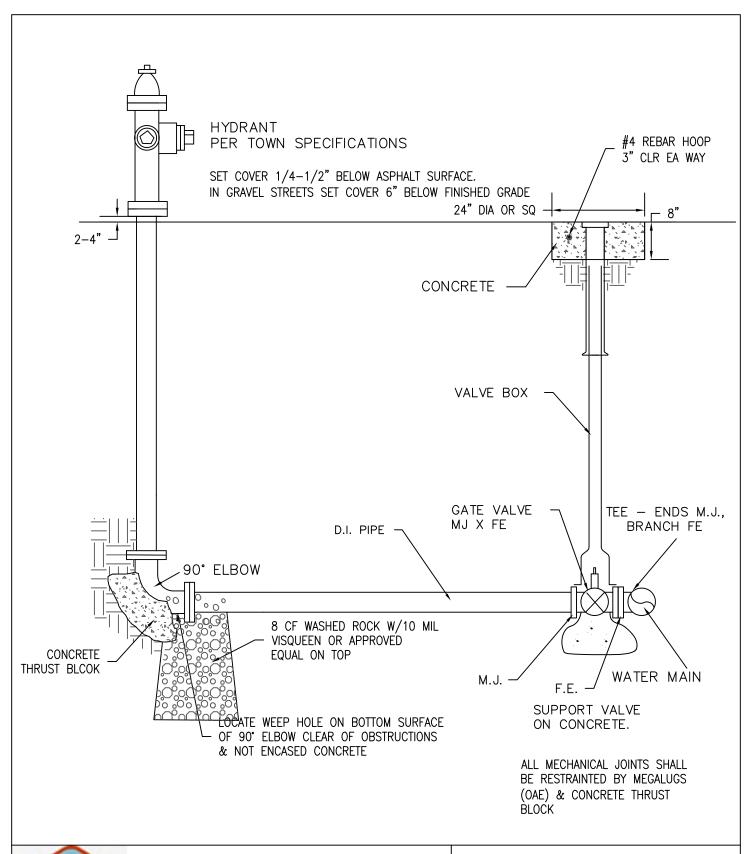
VALVE BOXES TO BE BUFFALO TYPE TWO PIECE 5-1-/4" SHAFT W/LID. EXTENSION PIECES SHALL BE USED AS REQ'D. PROVIDE EXTENSION SHAFT ON OPERATING NUT WHEN DEPTH GREATER THAN 6'. VALVE BOX SHALL BE SUPPORTED ON BODY OF VALVE



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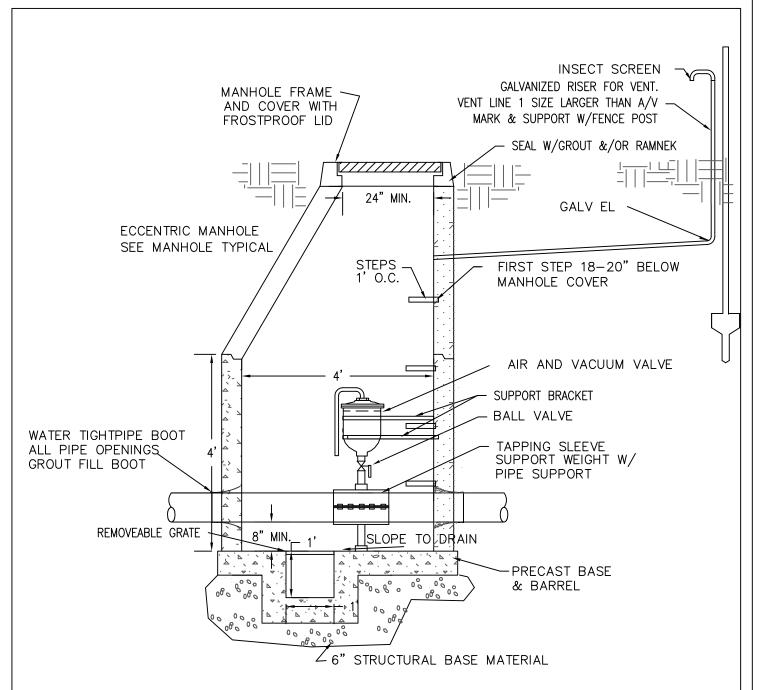
GATE VALVE DETAIL





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FIRE HYDRANT DETAIL



NOTES:

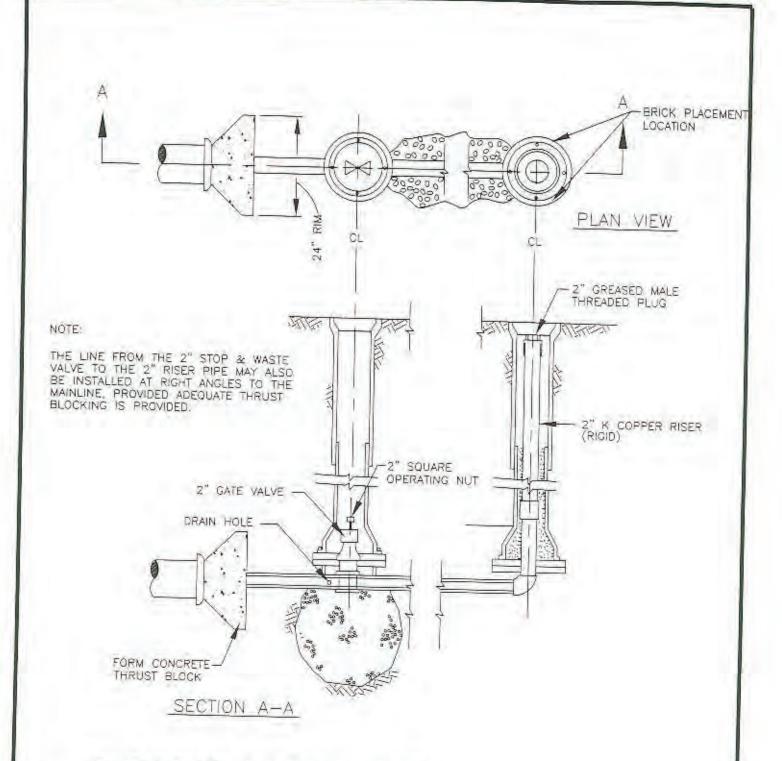
- 1. DETAIL APPLICABLE TO WATER & SEWER AIR VACUUM STATIONS
- 2. LOCATE VALVE DIRECTLY OVER PIPE
- 3. SIZE VALVE TO FLOW CONDITIONS
- 4. CONFIRM SIZE, MODEL, & BRAND W/TOWN BEFORE PURCHASING
- 5. PLACE WATERPROOF INSULATION AROUND VALVE
- 6. FURNISH CLEANING APPARATUS FOR SEWER VALVES TO TOWN
- 7. WHERE SEASONAL HIGH GROUNDWATER TABLE IS MORE THAN 3' BELOW THE BOTTOM OF THE MANHOLE, THE SUMP IN THE FLOOR CAN BE REPLACED WITH DRAIN IN FLOOR AND 1 CY MIN SCREENED ROCK BELOW THE MANHOLE PLACED ON NON WOVEN HIGH PERMEABILITY FABRIC



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AIR VACUUM STATION DETAIL



BLOWOFF INSTALLATION

CHK;	TOWN	OF	RIDGWAY
DATE: 2/01	CO	NSUL SERV	TING
DRN: R_TYP			STALLATION

Bearing Area in Sq Ft

Pipe Size	Bends	-			Tees, Dead ends,
	90°	45°	22-1/2°	11-1/4°	Crosses & Dead end
3	1.0	0.6	0.3	0.0	0.7
4	1.8	1.0	0.5	0.0	1.3
6	4.0	2.2	1.1	0.0	2.8
8	7.1	3.8	2.0	1.0	5.0
10	11.1	6.0	3.0	1.5	7.8
12	16.0	8.6	4.4	2.2	11.3
14	21.7	11.8	6.0	3.0	15.4
16	28.4	15.3	8.0	4.0	20.0
18	36.0	19.4	10.0	5.0	25.4
24	64.0	34.5	17.7	8.8	45.0

Areas given in the table are based on internal static pressure of 100 psi and soil bearing capacity of 1,000 pounds per square foot

Bearing areas for any pressure and soil bearing capacity may be obtained by mulitpling tabluated values by the following correction factor (F)

F= Actual specified test pressure in hundreds of pounds
Actual soil bearing pressue in thousands of pounds

All water line plans shall contain the following table, with the values filled in by the Design Engineer:

Soil Bearing capacity	Lbs/SF	
Test Pressure	psi	
Bearing Area Multiplier (F)		

GENERAL NOTES:

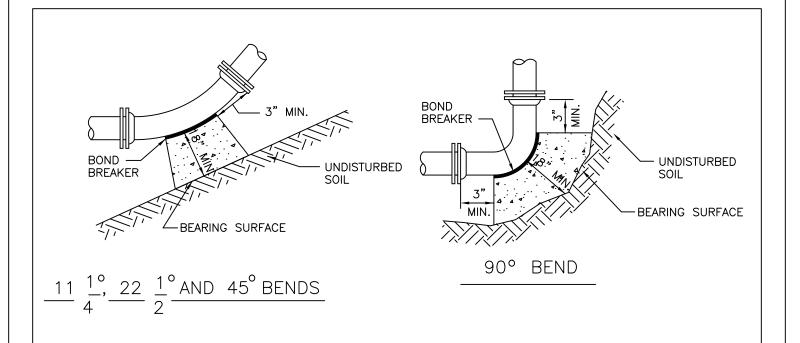
- 1. THRUST BLOCKS AND MECHANICAL RESTRAINT SUCH
 AS MEGALUGS or single bolt REQUIRED ON ALL MECHANICAL JOINTS
- 2. BEARING SURFACE AREAS SHOWN IN CHART ARE MINIMUMS
- 3. ALL FITTING AND BOLTS SHALL BE WRAPPED & TAPED CLOSED WITH 10 MIL MINIMUM POLY WRAP

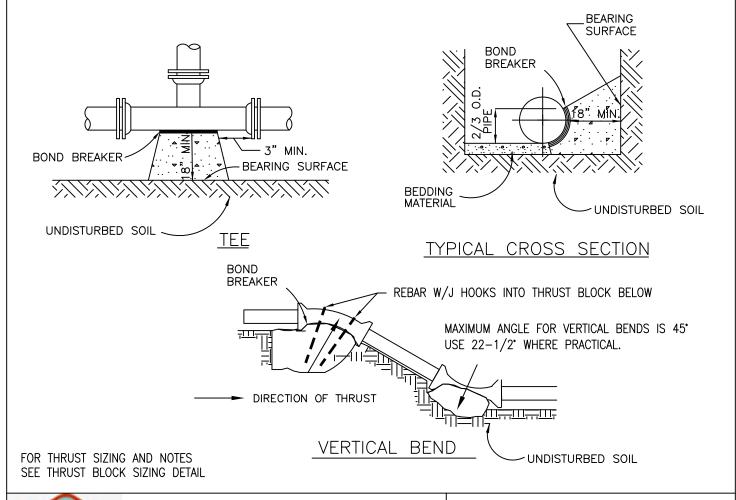


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THRUST BLOCK SIZING

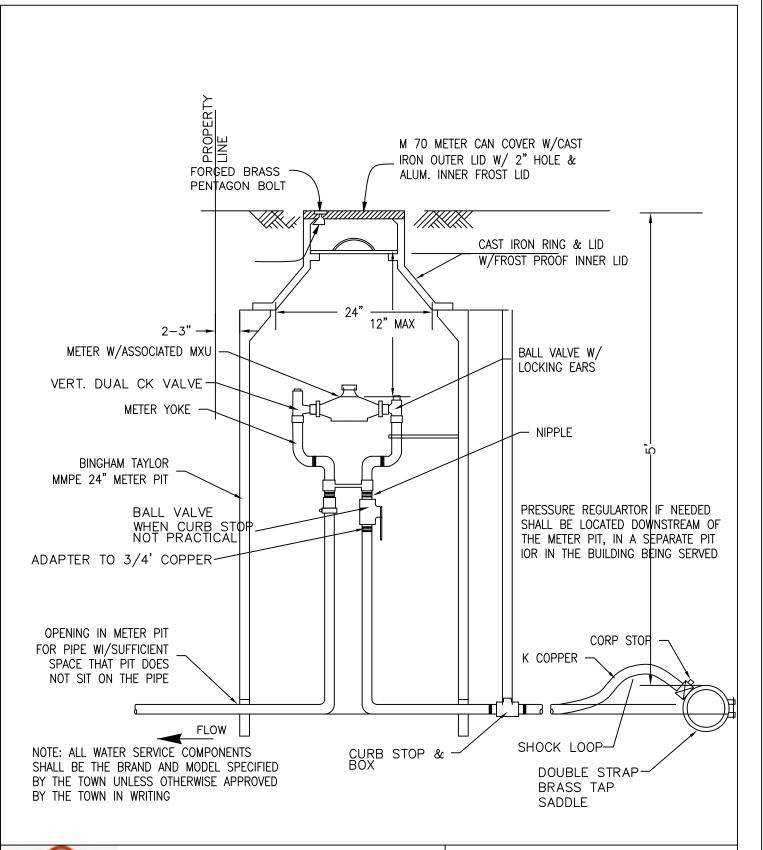






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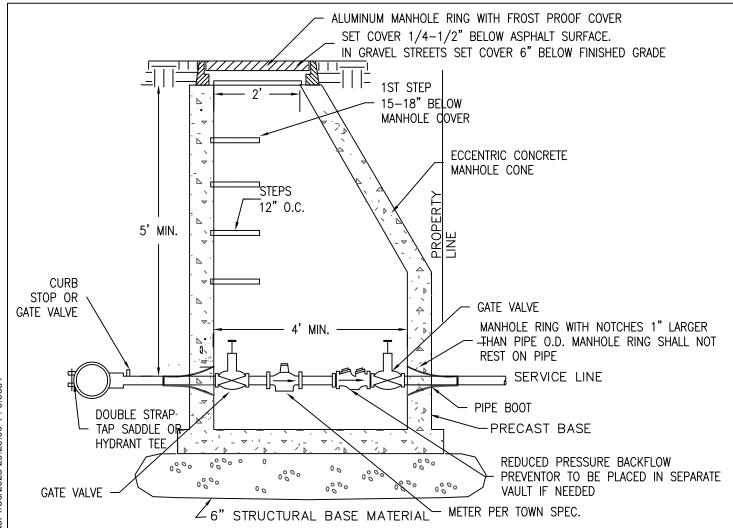
THRUST BLOCK DETAIL

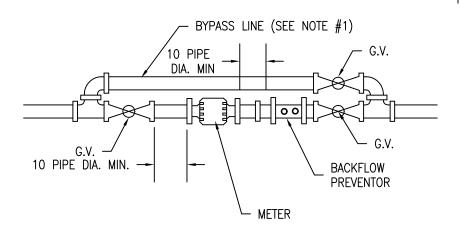




P.O. BOX 10 - 201 N RAILROAD RIDGWAY, CO 81432 970.626.5308 www.town.ridgway.co.us 3/4" - 1" METER
DETAIL

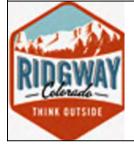
DATE: 9/10/22 SHEET:





NOTES:

- 1) BYPASS LINE ONLY REQUIRED ON METERS 2" & GREATER
- 2) METER SHALL BE INSTALLED IN A VAULT SIZED TO ALLOW CONVENIENT IN PLACE MAINTENANCE OF METER VALVES, AND APPURTENANCES
- 3) IF SERVICE LINE SIZE EXCEEDS
 25% DIA. OF MAIN LINE SIZE, A
 HYDRANT TEE & FE X MJ GATE VALVE
 SHALL BE INSTALLED FOR THE
 SERVICE LINE CONNECTION
- 4) REQUESTS FOR SERVICE CONNECTIONS
 AND/OR METERS IN EXCESS OF 1"
 REQUIRES JUSTIFICATION AND TOWN
 APPROVAL
- 5) ALL MATERIALS SHALL CONFORM WITH TOWN STANDARDS

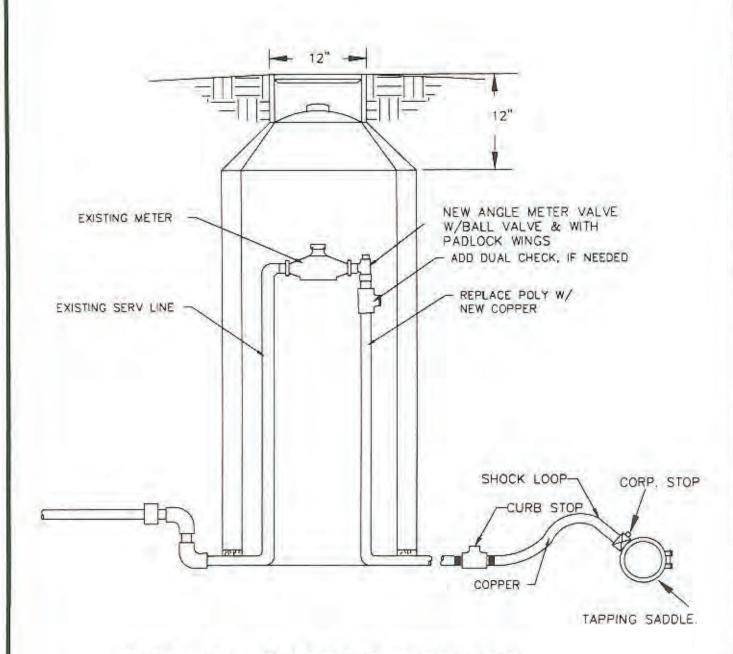


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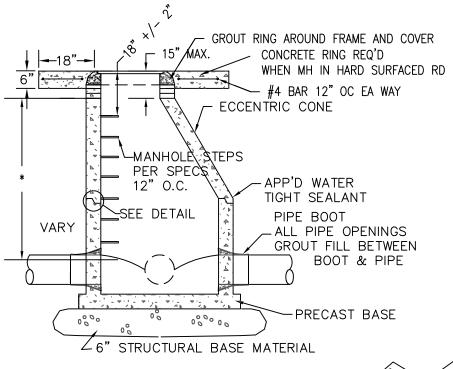
1-1/2 - 2" METER DETAIL

DATE: 9/10/22 SHEET:



TYPICAL EXISTING SERVICE RECONNECTION

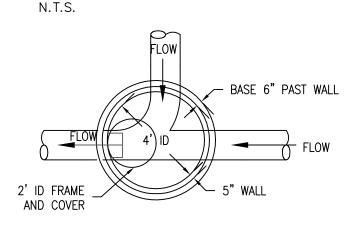
CHK:	TOWN	OF	RIDGWAY
DATE: 6/06	CC	SOLIDA NSUL SERV 738. DEL	TING
DRN; R_IYP	RECON	NECT	SERVICE



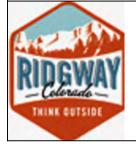
* THE HEIGHT FROM THE BENCH TO THE TOP OF CONE MUST BE AT LEAST 48" OR VERTICAL WALLS ARE REQUIRED

NOTES:

1. MIN. DROP THRU MANHOLE SHALL BE 0.1 FT FOR STRAIGHT RUNS & 0.2 FT FOR 90' BENDS
2. IF NEEDED TO PASS THE REQ'D VACUUM TEST, COAT EXTERIOR OF MANHOLE WITH COAL TAR EPOXY.
3. CONCRETE GROUT IS REQUIRED BETWEEN THE FRAME AND COVER ON ALL MANHOLES. THE LARGER CONCRETE RING SHOWN ABOVE IS ONLY REQUIRED WHEN THE COVER IS BROUGHT TO GRADE IN HARD SURFACED ROADWAYS



DETAIL



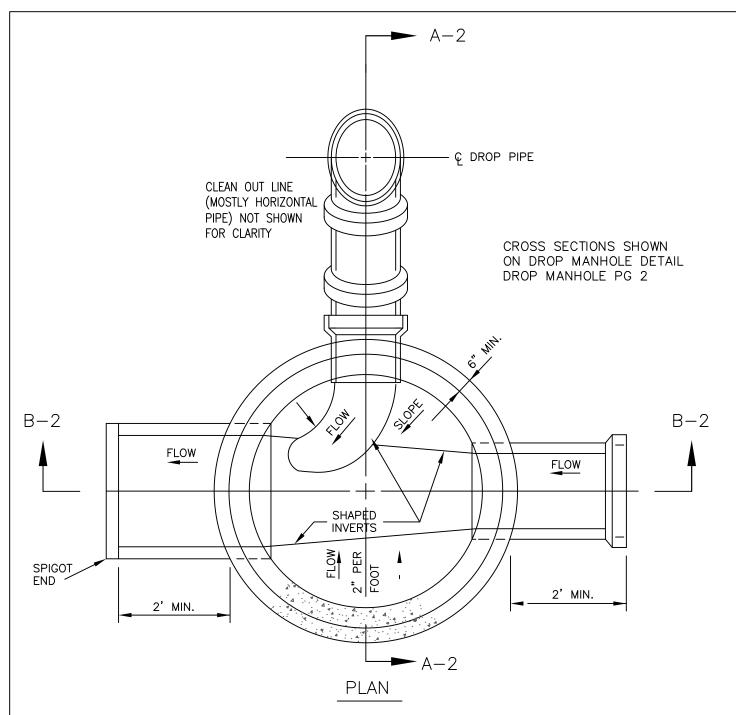
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MANHOLE DETAIL

DOUBLE RAM-NEK ENTIRE PERIMETER

DATE: 8/22/22 SHEET:



NOTES:

1. BASES SHALL BE REINFORCED WHEN THE DISTANCE FROM INVERT TO TOP OF COVER WILL EXCEED 15 FT AND IN ANY CASE WHEN THE INTERIOR DIA. OF MANHOLE IS 5' OR LARGER

DROP MANHOLE BASE

MONOLITHIC BASES FOR

DROP MANHOLE

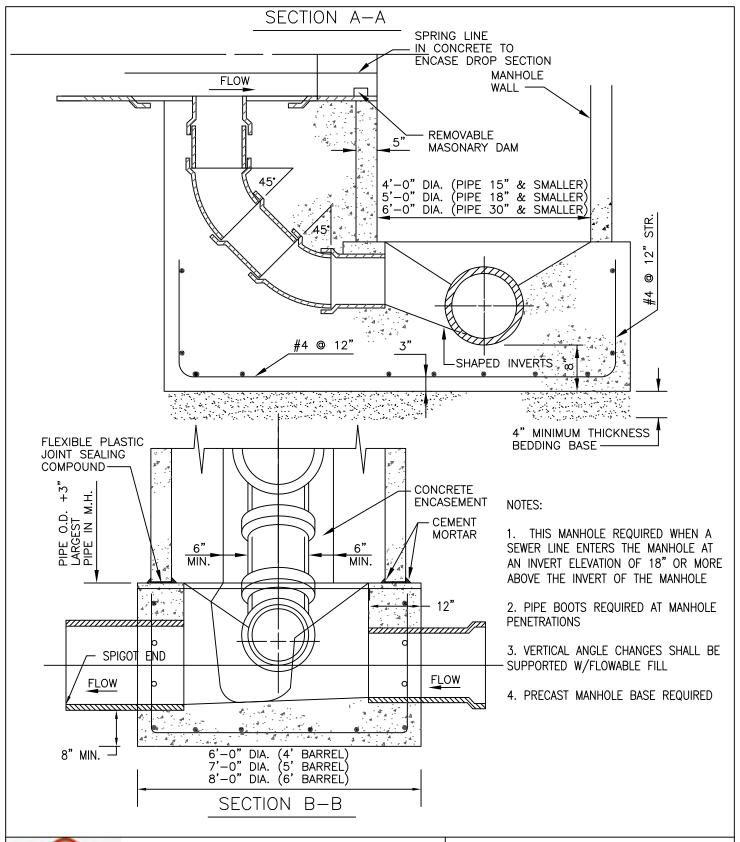


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DROP MANHOLE DETAIL

DATE: 6/10/20 SHEET: 1 OF 2

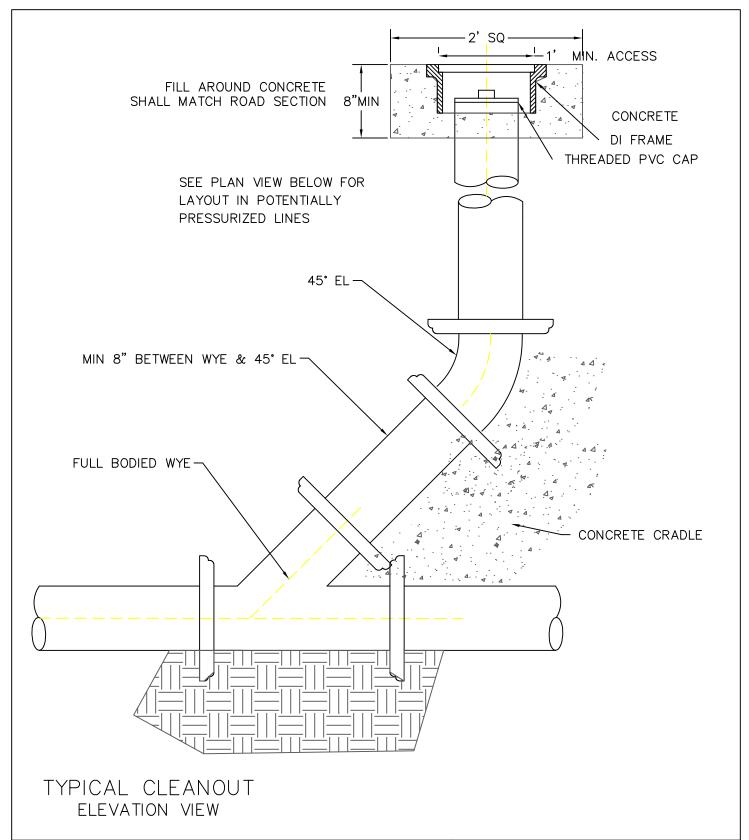




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DROP MANHOLE DETAILS

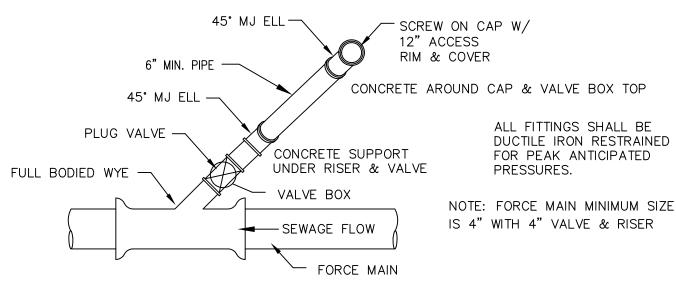
DATE: 6/10/20 SHEET: 2 OF 2





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GRAVITY CLEANOUT ELEVATION



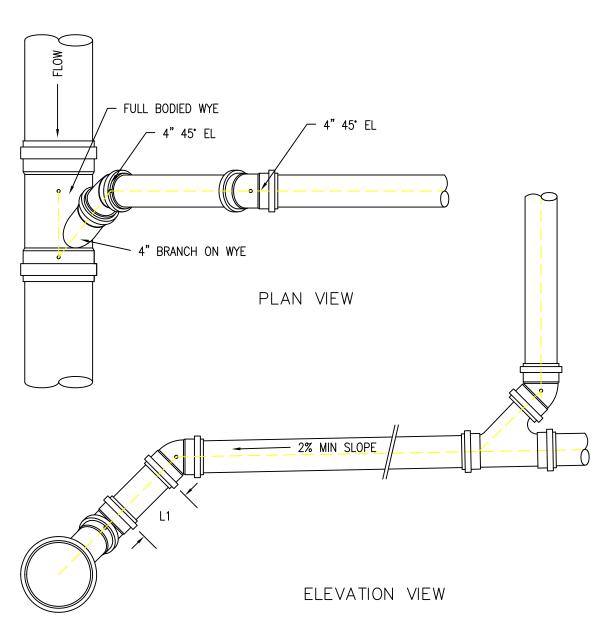
PRESSURE CLEANOUT
PLAN VIEW



TOWN OF RIDGWAY

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PRESSURE CLEANOUT PLAN VIEW



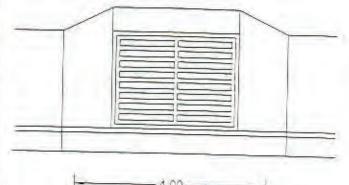
L1 = DISTANCE NEEDED TO ADJUST GRADE OF THE SERVICE TO DESIGN ELEVATION



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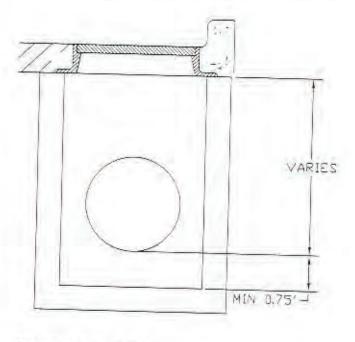
4" SEWER SERVICE TAP



STORM DRAIN CASTING CONFORM TO ASTM A48-83 CLASS 358 FOR GRAY IRON DR ASTM A536-80 GRADE 65-45-12 FOR DUCTILE IRON GRATE TO COMPLY WITH BICYCLE SAFETY

STANDARDS

4.00 --3.00 -2.00 3.00



BURRHARAR PIPE BEET OR WATER TIGHT SEAL REQURED

STORM DRAIN PIPE ADS N-12 DR APPROVED EQUAL 24' DIAMETER MINIMUM

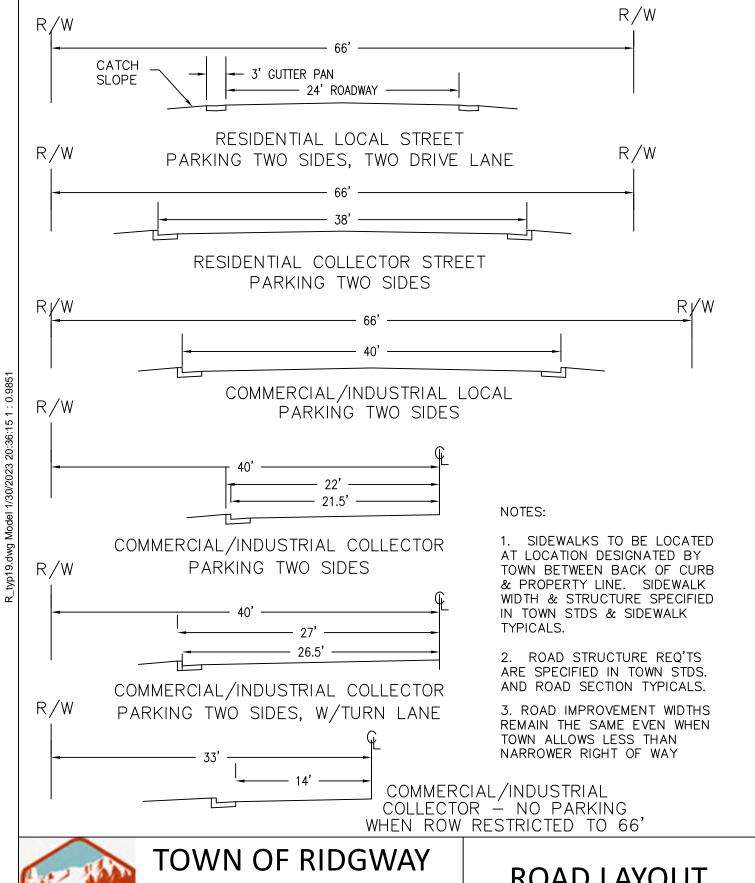
STORM DRAIN DESIGN LIMIT STANDARD INLET FOR LESS THAN 2 CFS LARGER FLOWS REQUIRE FLOW SPECIFIC DESIGN

STORM DRAIN MANHELES TO CONFORM TO SEWER MANHOLE TYP

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STORM DRAIN INLE"

DRN:

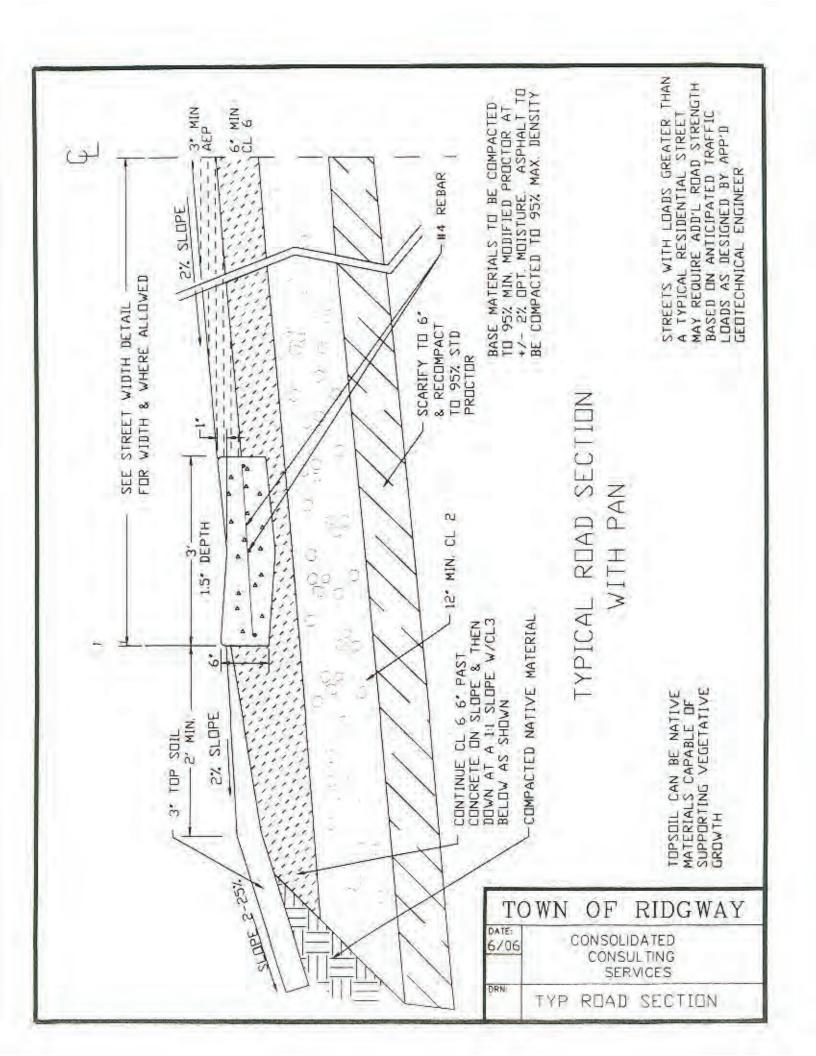


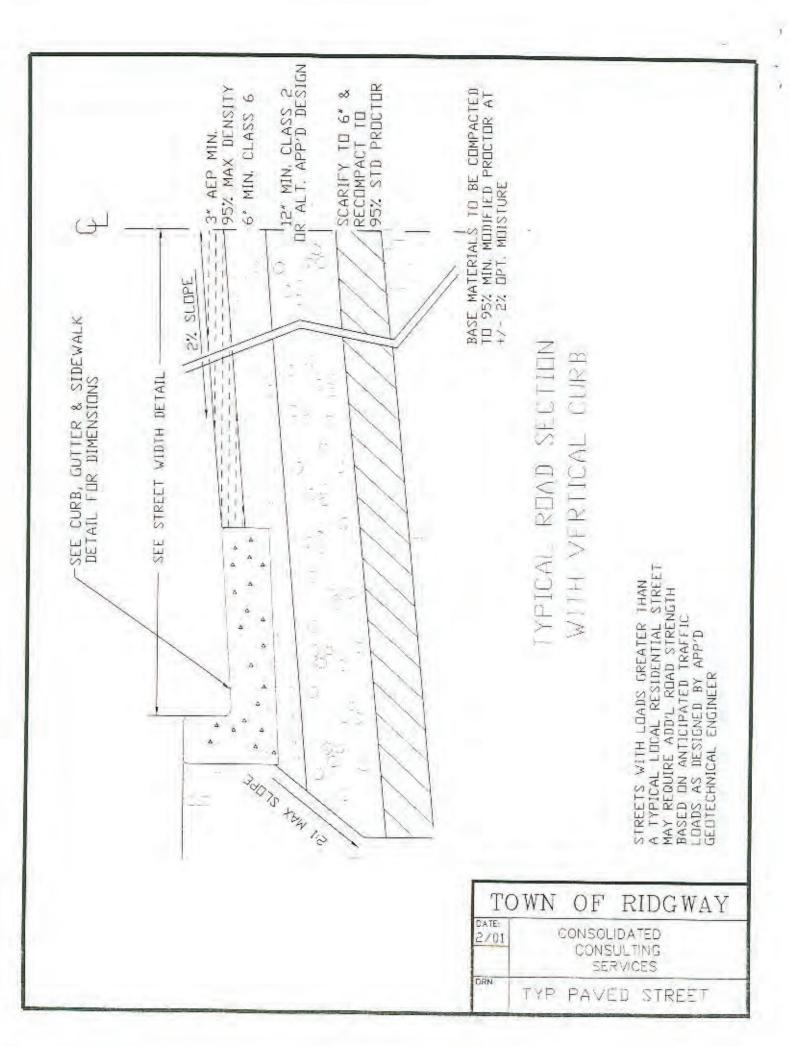


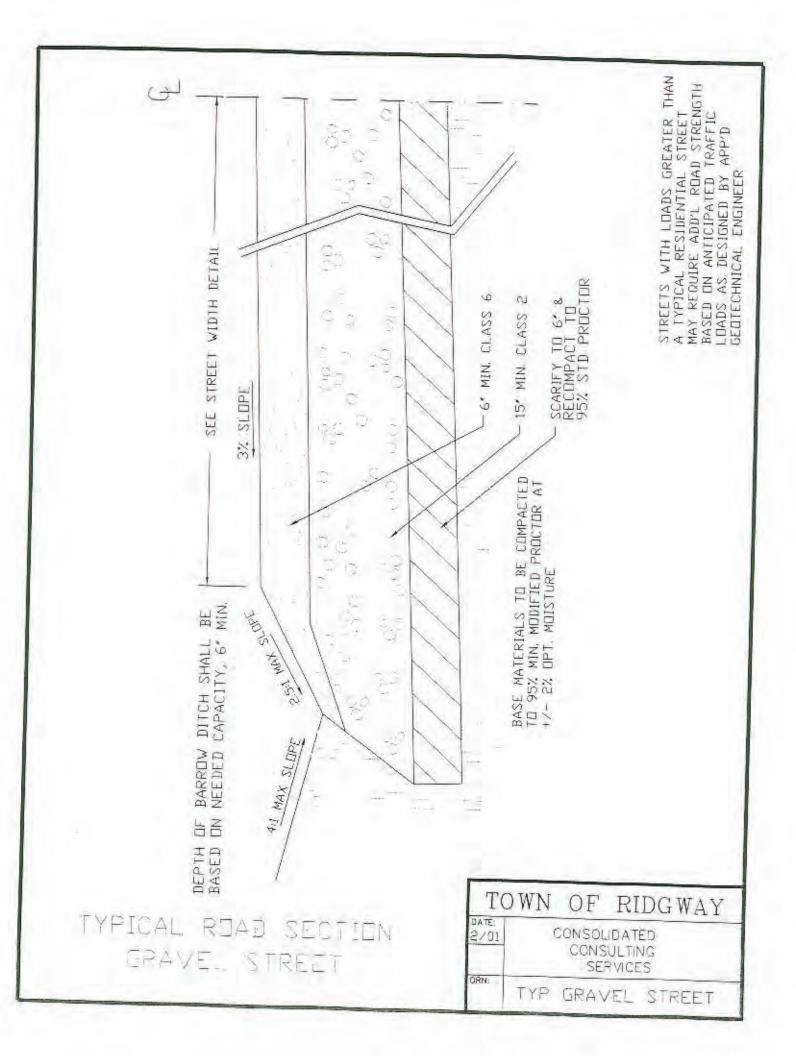
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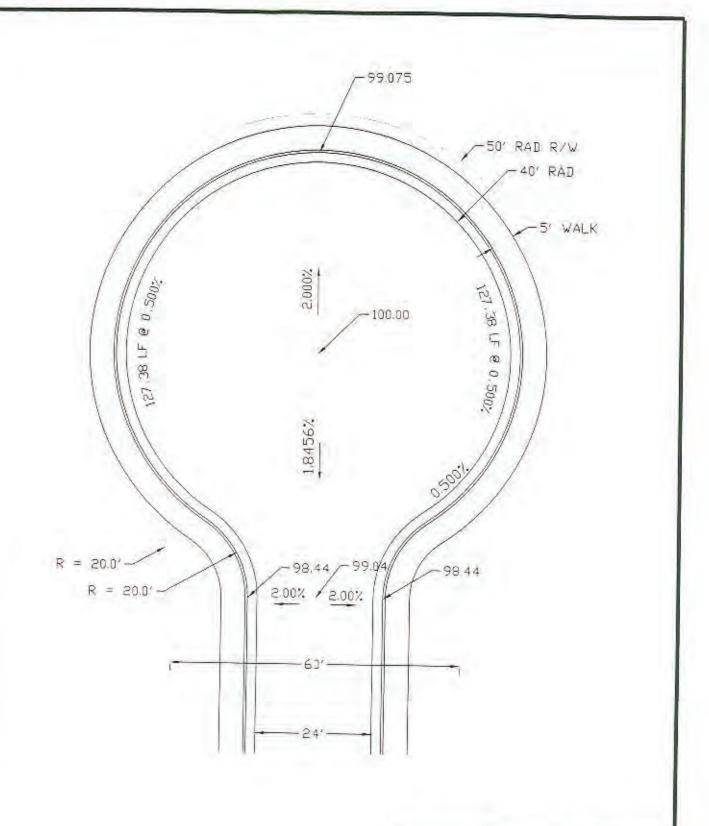
ROAD LAYOUT DETAIL

DATE: 9/22/22 SHEET:

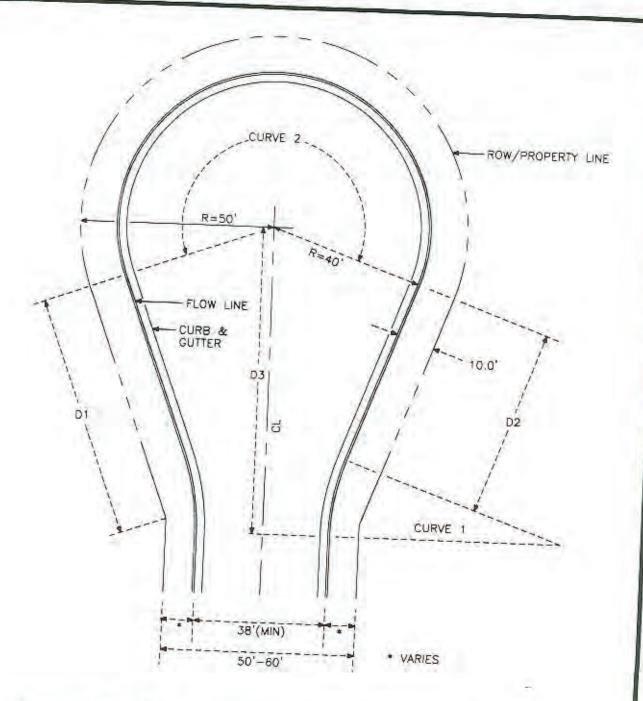






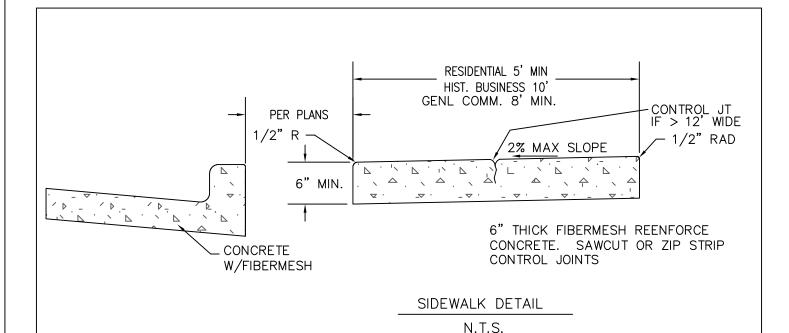


TOWN		OI	F RIDGWA		
DATE: 2/01	C	CO	OLIDAT NSULTI SERVIC	NG	
DRN:	CUL	DE	SAC	TYPICAL	



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		CURB			CURB		DROD	
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38'(MIN	the contract of the contract o	51	201	D2			03	
- Auto	7	64.	20	49.6	1"		80.82	2'

Action to the Control of the	WN	OF	R	IDGWAY
DATE: 6/06	C	ONSOL CONS SE	LIDA SULT RVIC	ING
DRN:	CUL	DE S	SAC	(ALT)



SIDEWALK
WIDTH AS REQ'D

1/2" R

DEPENDING ON
SLOPE OF STREET

PAVEMENT
DEPTH

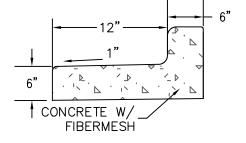
1/2" P

NOTES:

CURB AND GUTTER

- WHERE TOWN ALLOWS SIDEWALK TO BE PLACED ONLY ON ONE SIDE OF THE RIGHT OF WAY, THE STREET SHOULD BE OFFSET IN THE R/W & THE SIDEWALK WIDTH INCREASED TO 8' MIN.
- 2. SIDEWALK WIDTHS IN OTHER ZONES SHALL BE AT LEAST 8' UNLESS OTHERWISE ALLOWED BY THE TOWN.
- 3. CURB CUTTERS SHALL CONFORM WITH A D A REQUIREMENTS
- WITH A.D.A. REQUIREMENTS
 4. CONCRETE SHALL MEET CDOT
 CLASS D SPECIFICATIONS

N.T.S.



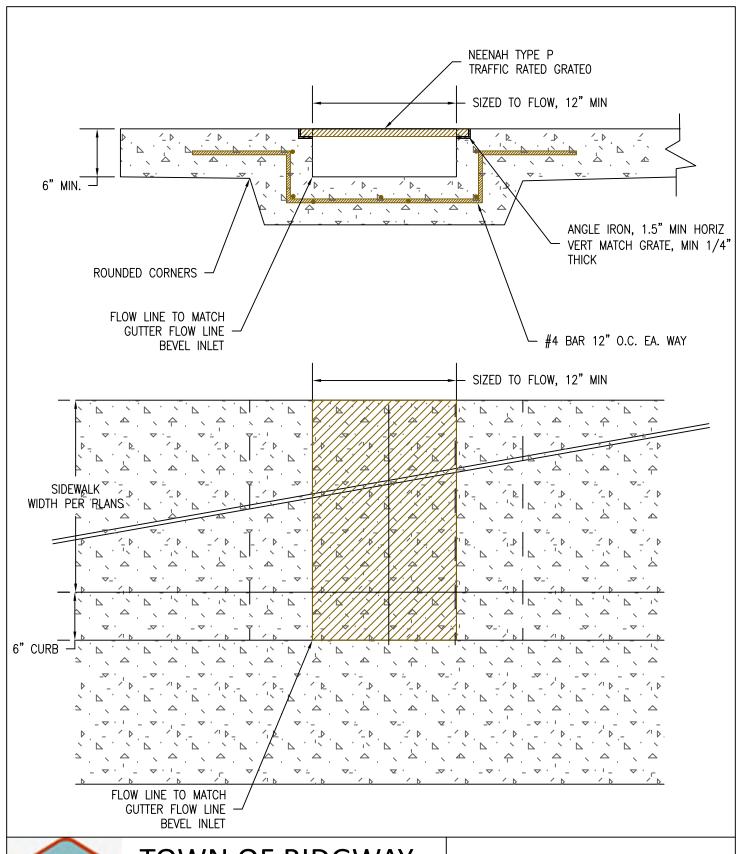
TIP OUT CURB & GUTTER



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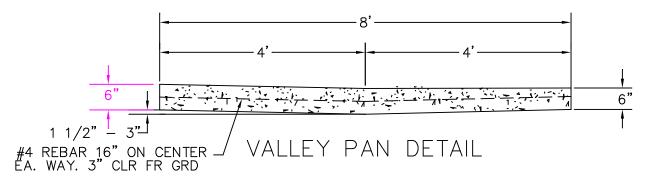
CURB, GUTTER, SIDEWALK DETAIL





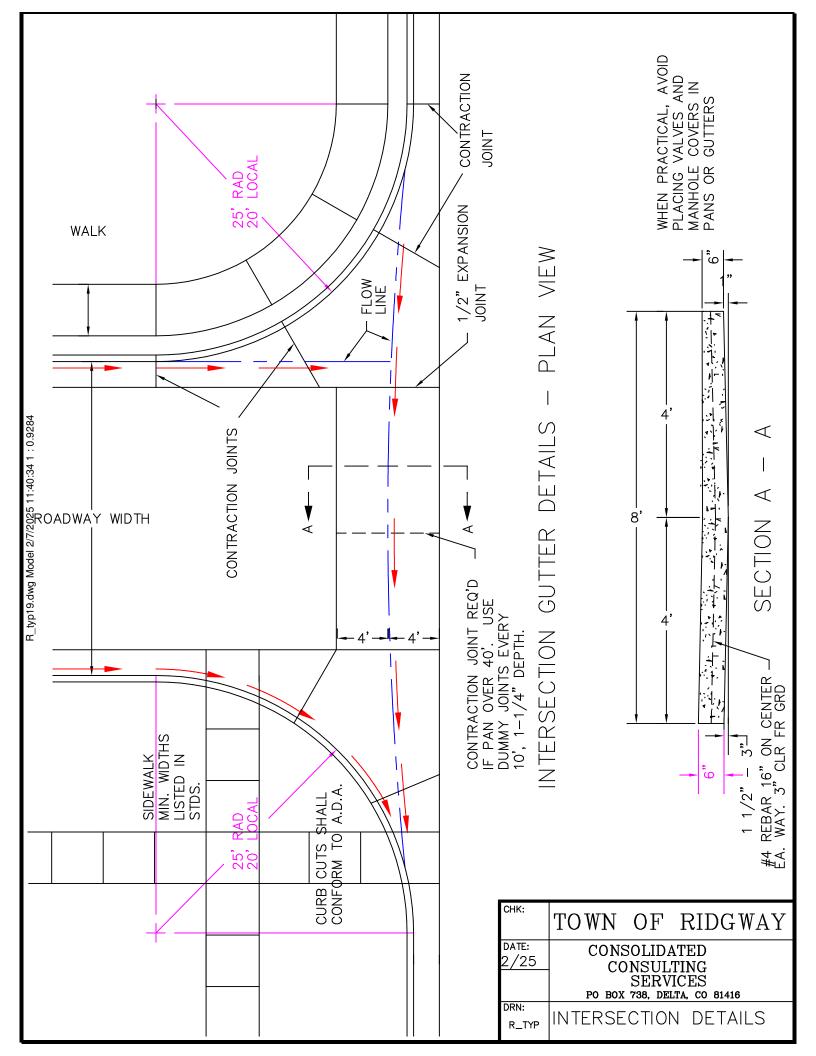
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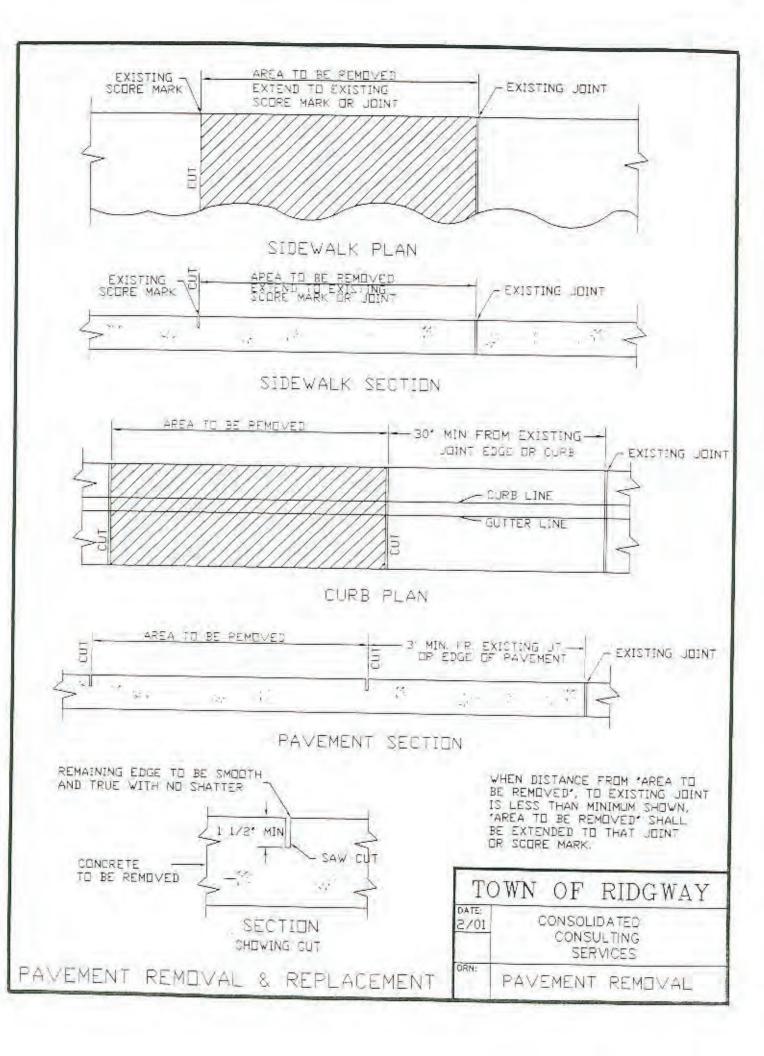
SIDEWALK DRAIN BOX

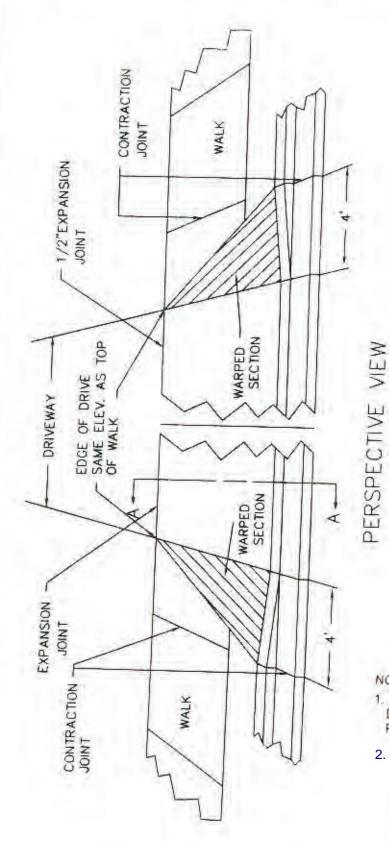


WHEN PRACTICAL, AVOID PLACING VALVES AND MANHOLE COVERS IN PANS OR GUTTERS

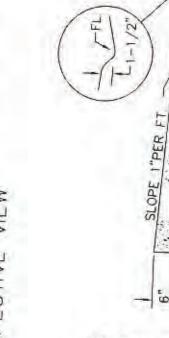
CHK:	TOWN	OF	RIDGWAY
date: 2/25	CC	SOLIDA NSUL SERV 738, dei	TING
DRN: R_TYP	VALLEY	PAN	DETAIL







DRIVEWAY DETAILS



DRIVEWAY WIDTH

12'

SECTION A

MINIMUM

1, 2 FAMILY 22'

RESIDENTIAL, MAX 25"

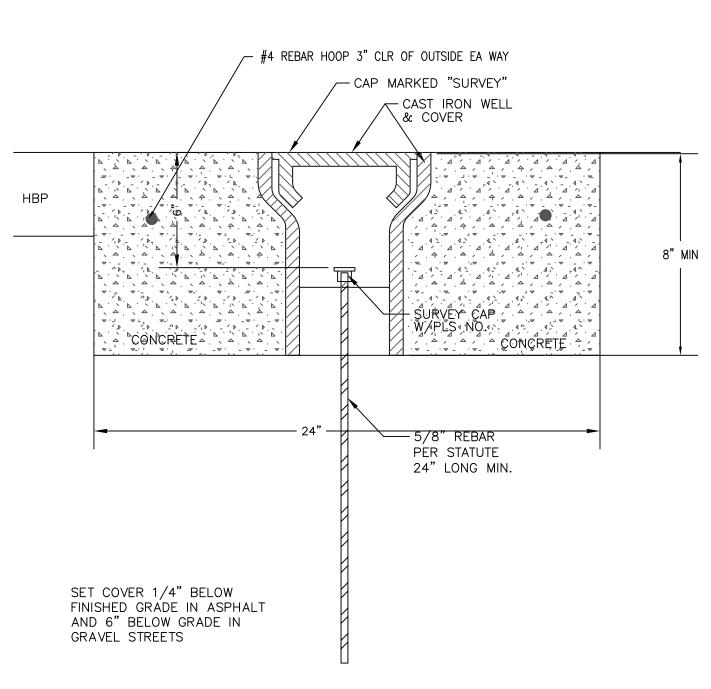
BUSINESS, MAX, 35"

NOTES:

- 1. WHEN STREETS ARE HARD SURFACED DRIVEWAY SHALL BE HARD SURFACED FROM PROPERTY LINE TO THE STREET
- 2. DRIVEWAY WARP SECTIONS MUST MEET ADA.

3/12/07 - ACC NOTE RE: SURFACING

снк:	TOWN	OF	RIDGWAY
0ATE: 3/07	CONS	OLIDA NSUL' SERV	ATED TING
F_TYP	DEIVENA		

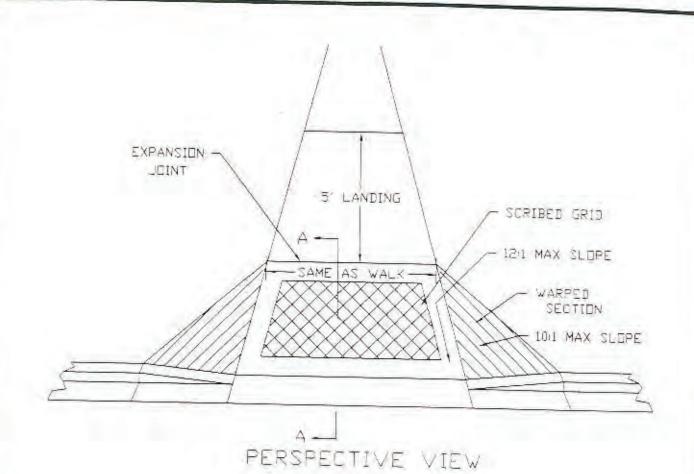


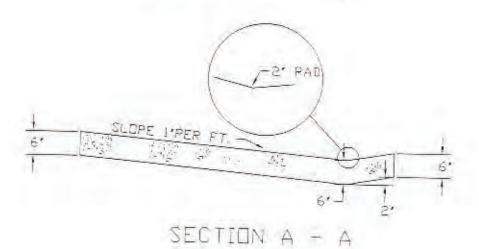




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CENTERLINE MONUMENT

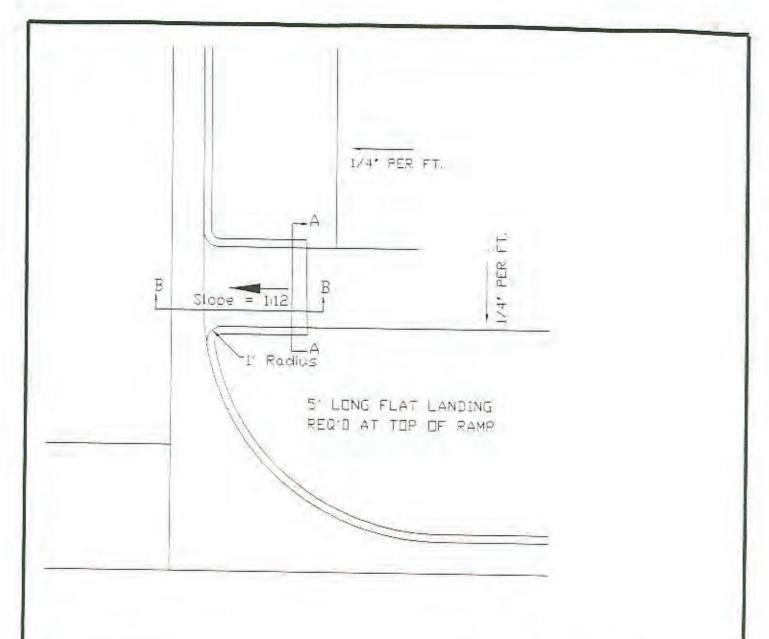


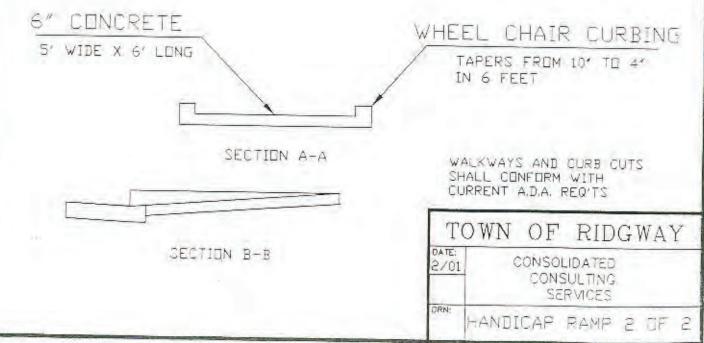


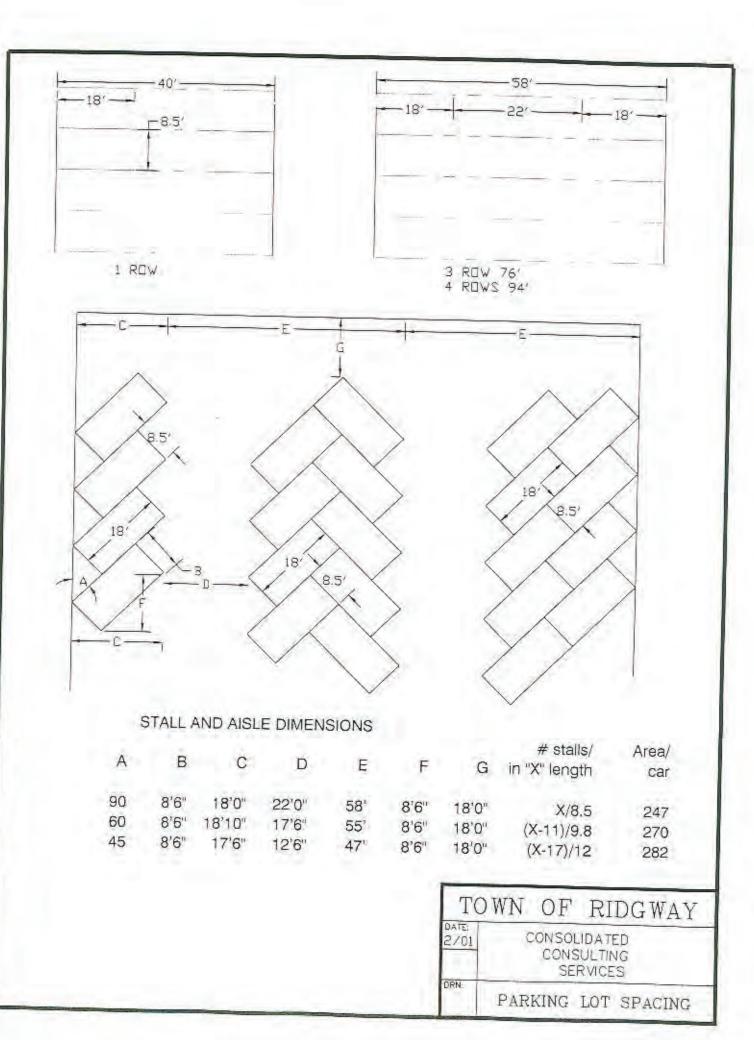
WHEEL CHAIR ACCESSIBLE TYPICAL

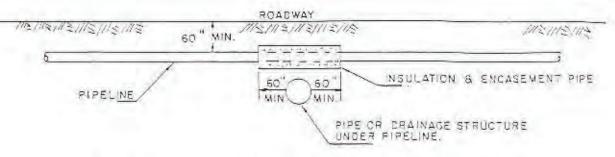
WALKWAYS AND CURB CUTS SHALL CONFORM WITH CURRENT A.D.A. REQUES

T	OWN	OF	RID	GWAY	
DATE: 2/01		CON	LIDATED SULTING ERVICES		
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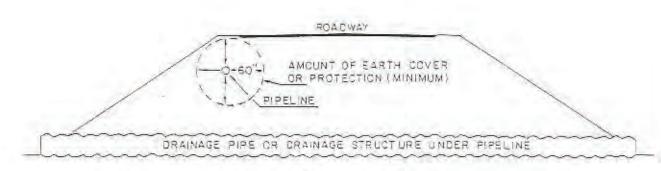








NOTE: FOR NSULATION AND ENCASEMENT OF PIPELINE SEE "DETAILS OF INSULATED PIPE" DRAWING.



NOTE IF THERE IS LESS THAN 60" OF COVER MATERIAL AROUND PIPELINE, THEN THE PIPE MUST BE INSULATED.

IF THERE IS LESS THAN 24" OF COVER THE PIPELINE B INSULATION MUST HAVE AN ENCASEMENT PIPE AROUND IT.

