



Edgemont

Community Services District

DESIGN AND CONSTRUCTION STANDARDS MANUAL

For

SEWERAGE FACILITIES

NOVEMBER, 2022

A L B E R T A .
WEBB
A S S O C I A T E S

SECTION VI

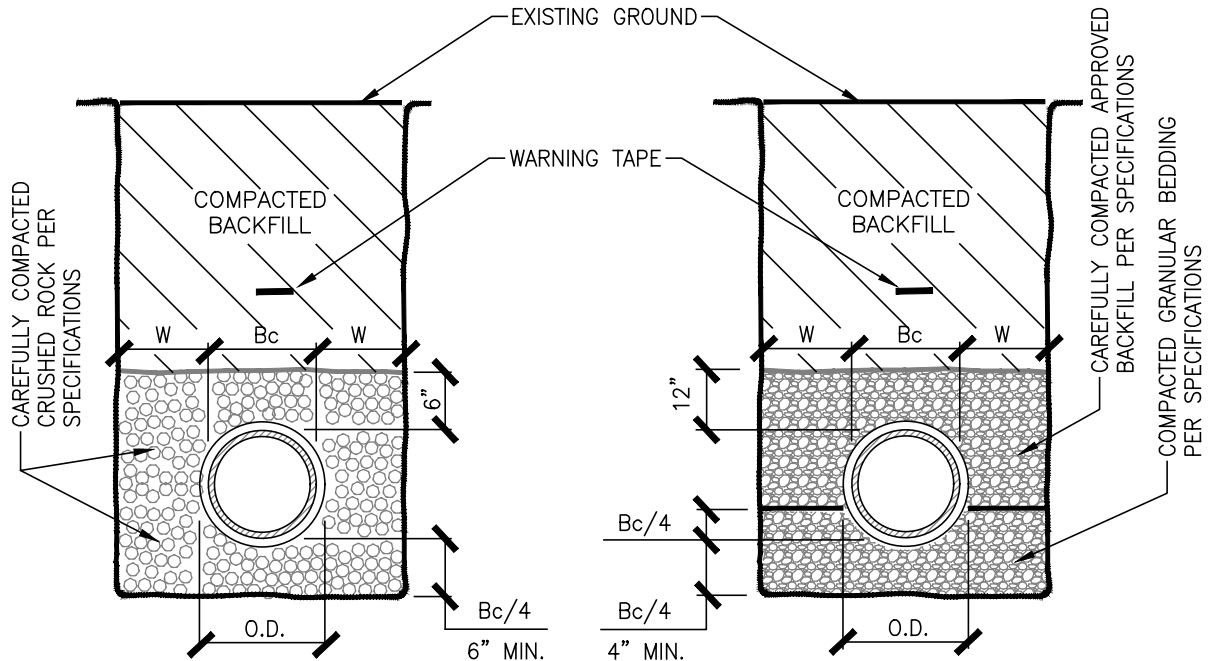
STANDARD DRAWINGS

SECTION VI

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CLASS "B-2"

ROCK ENCASEMENT

"B-2" NOTE:

FOR INSTALLATIONS OF VCP THAT EXCEED THE LOADING CAPACITIES OF CLASS "B-2" BEDDING, THE DISTRICT MAY REQUIRE THE USE OF DIP THAT CONFORMS TO THE DISTRICT'S SPECIFICATIONS FOR SEWER PIPE.

CLASS "C"

FOR DUCTILE IRON PIPE ONLY

NOTES:

1. ALL BACKFILL SHALL BE PLACED IN ACCORDANCE WITH THE SPECIFICATIONS.
2. O.D. = OUTSIDE DIAMETER OF BELL
3. Bc = OUTSIDE DIAMETER OF PIPE BARREL
4. W = 10 INCHES MAXIMUM
5. CONCRETE SHALL BE ALLOWED TO DEVELOP SUFFICIENT STRENGTH BEFORE BACKFILLING.
6. ENCASE CRUSHED ROCK WITH APPROVED FILTER FABRIC WHEN ENCOUNTERING WATER.
7. WARNING TAPE "CAUTION BURIED SEWER BELOW" BY NORTHTOWN COMPANY
8. WARNING TAPE PLACED 3' BELOW GROUND ALONG PIPELINE ALIGNMENT.

EDGEMONT COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: NOVEMBER, 2022

GENERAL BEDDING DETAILS

DRAWING NO.

S-1

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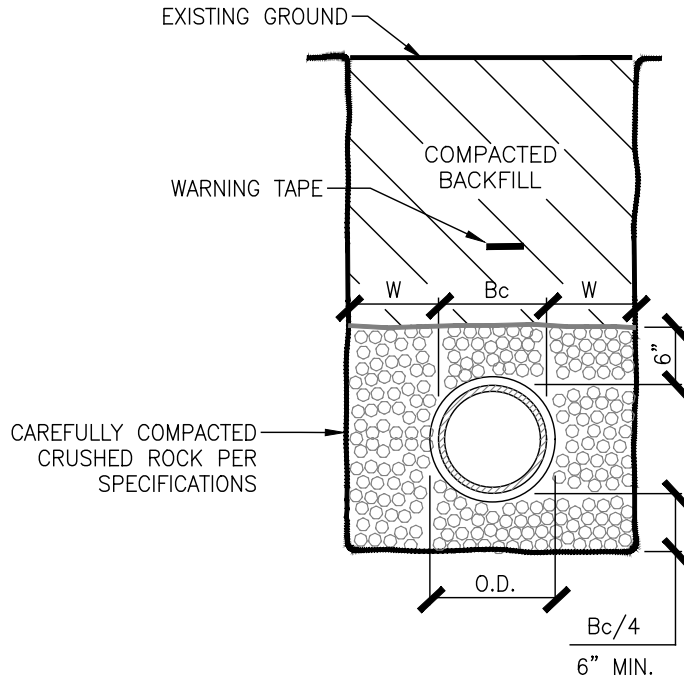
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DEPTH "D"	
FOR PIPE DEPTH < 14'	"D" = 6"
FOR PIPE DEPTH > 14'	"D" = 12"

CLASS "1"

DEPTH > 14 FEET
PVC SDR 26 ONLY

NOTES:

1. ALL BACKFILL SHALL BE PLACED IN ACCORDANCE WITH THE SPECIFICATIONS.
2. O.D. = OUTSIDE DIAMETER OF BELL
3. Bc = OUTSIDE DIAMETER OF PIPE BARREL
4. WT = TRENCH WIDTH MEASURED AT TOP OF PIPE
5. W = 10 INCHES MAXIMUM
6. ENCASE CRUSHED ROCK WITH APPROVED FILTER FABRIC WHEN ENCOUNTERING GROUND WATER.
7. WARNING TAPE "CAUTION BURIED SEWER BELOW" BY NORTHTOWN COMPANY
8. WARNING TAPE PLACED 3' BELOW GROUND ALONG PIPELINE ALIGNMENT.

EDGEMONT COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: NOVEMBER, 2022

GENERAL BEDDING DETAILS FLEXIBLE GRAVITY PIPE

DRAWING NO.

S-1A

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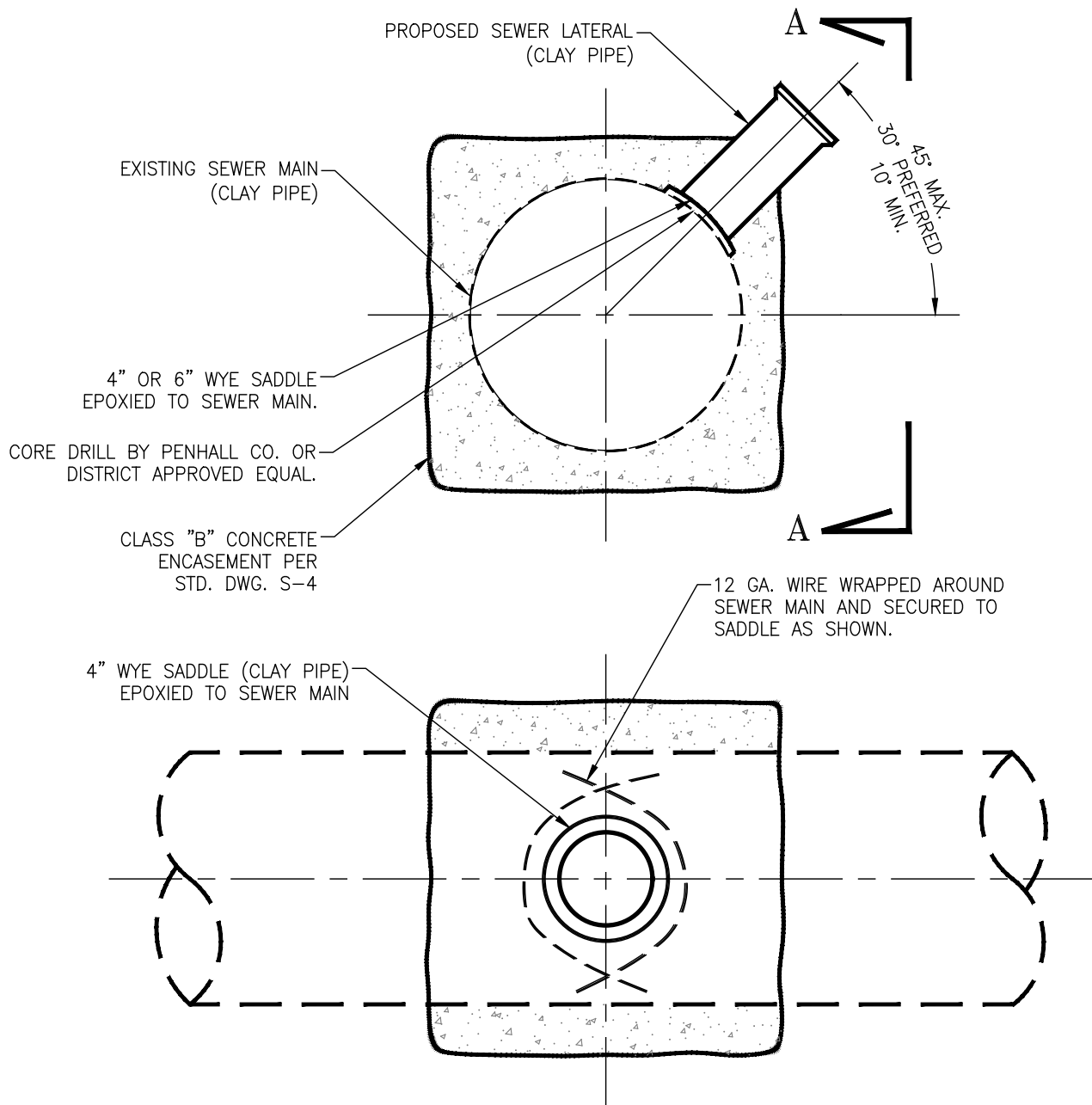
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SECTION "A-A"

NOTES:

1. NO TAPPING OF EXISTING SEWER MAINS WILL BE ALLOWED WITHOUT SPECIFIC APPROVAL BY DISTRICT. IF APPROVAL IS GRANTED, WORK SHALL BE PERFORMED UNDER CONTINUOUS DISTRICT INSPECTION.
2. MAXIMUM SEWER MAIN SIZE FOR TAPPING SHALL BE 15" DIA., UNLESS OTHERWISE APPROVED BY DISTRICT.
3. TYPE AND MANUFACTURER OF EPOXY TO BE APPROVED BY DISTRICT.

EDGEMONT COMMUNITY SERVICES DISTRICT

SCALE: NONE	SEWER LATERAL CONNECTION TO EXISTING MAIN	DRAWING NO. S-2
DATE: NOVEMBER, 2022		
REV. APPROVED BY: <i>Sinnaro Yos</i> Sinnaro Yos, P.E. 68607	ALBERT A. WEBB ASSOCIATES CONSULTING ENGINEERS RIVERSIDE CALIFORNIA	W.O. 21-0230

PVC SEWER LATERAL, ROTATED FOR CLARITY,
SEE NOTE 3 FOR INSTALLATION ANGLE

FERNCO FLEXIBLE TAP SADDLE

CLASS "B" CONCRETE
ENCASEMENT PER STD.
DWG. S-4

EXISTING SEWER
FLOW

"SLIP-LOCK" CLAMPS OF
300 SERIES STAINLESS
STEEL

CORE DRILL BY
PENHALL CO. OR
DISTRICT APPROVED
EQUAL

EX. VCP SEWER PIPE

NOTES:

1. NO TAPPING OF EXISTING SEWER MAINS WILL BE ALLOWED WITHOUT SPECIFIC APPROVAL BY DISTRICT. IF APPROVAL IS GRANTED, WORK SHALL BE PERFORMED UNDER CONTINUOUS DISTRICT INSPECTION.
2. MAXIMUM SEWER MAIN SIZE FOR TAPPING SHALL BE 15" DIA., UNLESS OTHERWISE APPROVED BY DISTRICT.
3. REFER TO ECSD STD. DWG NO. S-5 FOR ROTATION ANGLE OF WYE.

EDGEMONT COMMUNITY SERVICES DISTRICT


SCALE: NONE
DATE: NOVEMBER, 2022

PVC SEWER LATERAL CONNECTION
TO EXISTING VCP MAIN

DRAWING NO.

S-2A

REV.

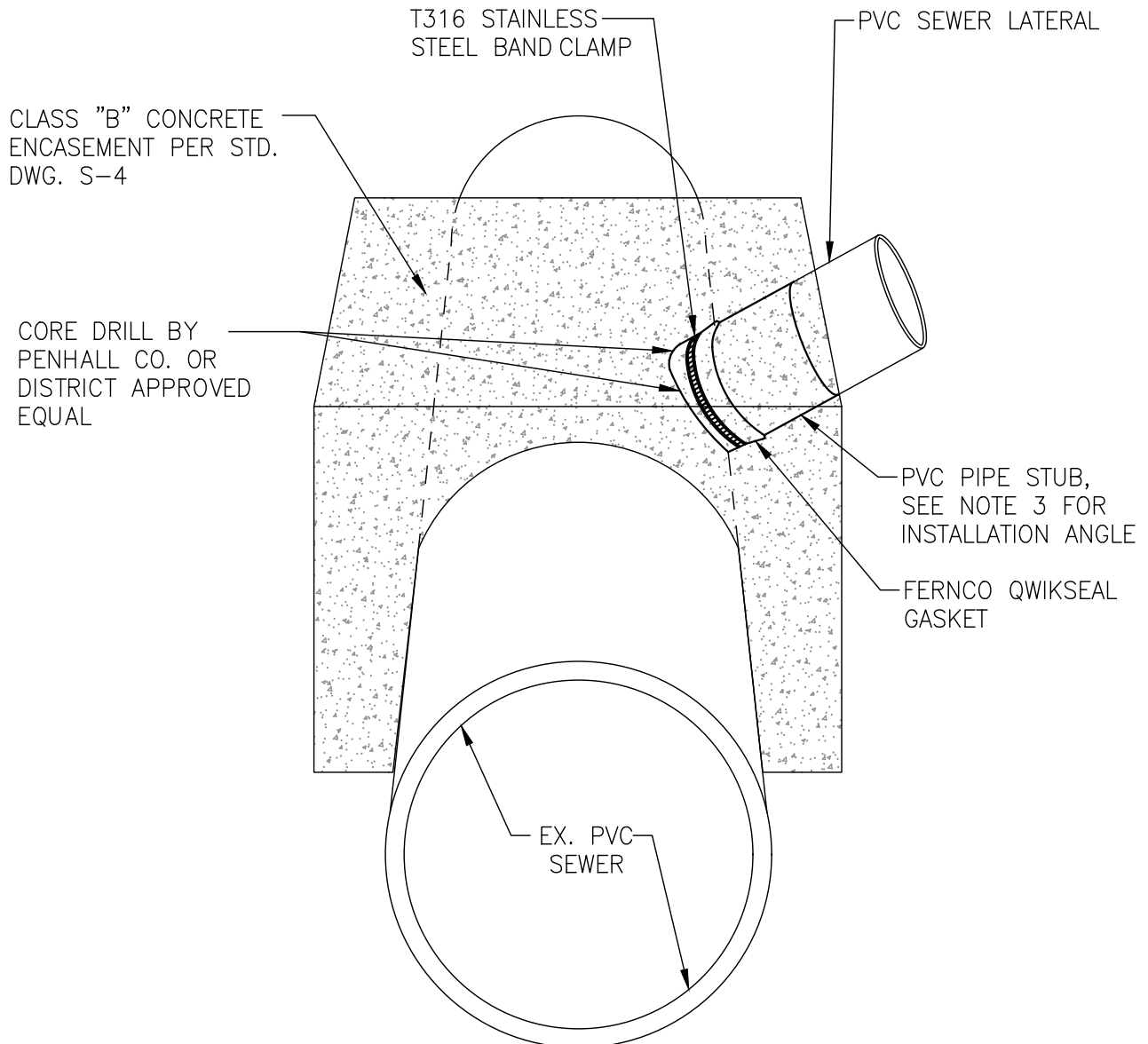
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NOTES:

1. NO TAPPING OF EXISTING SEWER MAINS WILL BE ALLOWED WITHOUT SPECIFIC APPROVAL BY DISTRICT. IF APPROVAL IS GRANTED, WORK SHALL BE PERFORMED UNDER CONTINUOUS DISTRICT INSPECTION.
2. MAXIMUM SEWER MAIN SIZE FOR TAPPING SHALL BE 15" DIA., UNLESS OTHERWISE APPROVED BY DISTRICT.
3. REFER TO ECSD STD. DWG NO. S-5 FOR ROTATION ANGLE OF WYE.

EDGEMONT COMMUNITY SERVICES DISTRICT

SCALE: NONE
DATE: NOVEMBER, 2022

PVC SEWER LATERAL CONNECTION TO EXISTING PVC MAIN

DRAWING NO.

S-2B

REV.

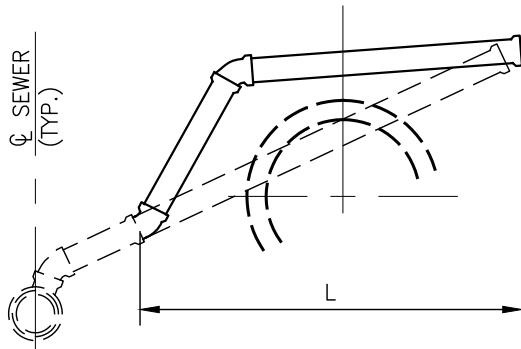
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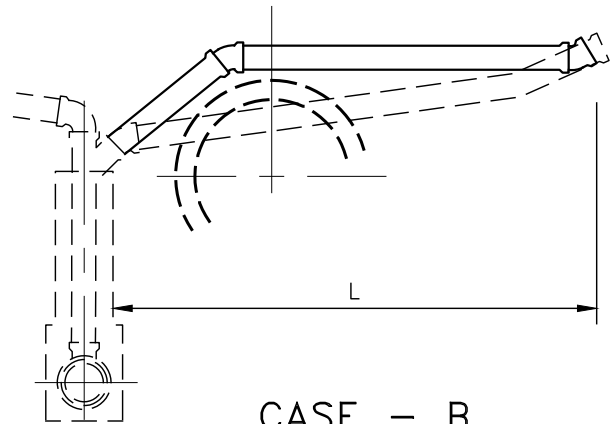
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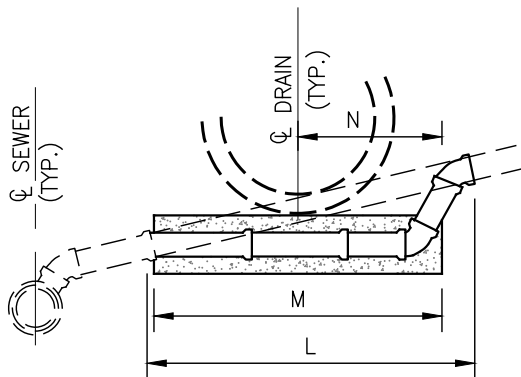
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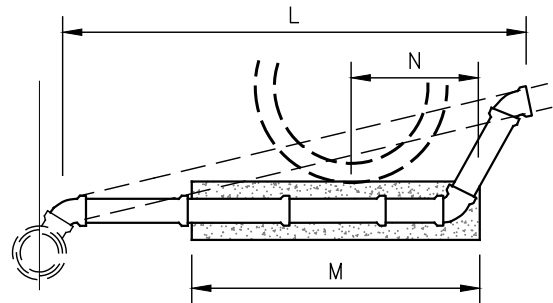
CASE - A



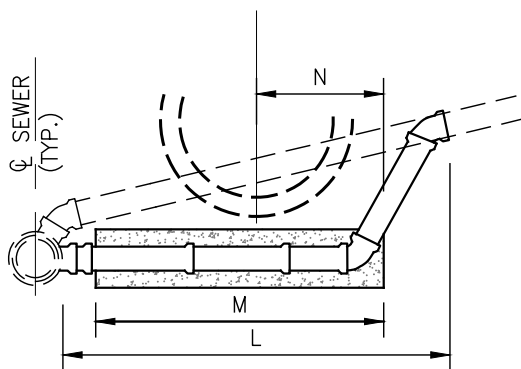
CASE - B



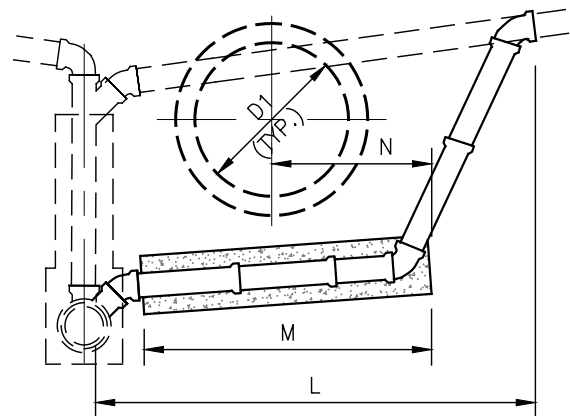
CASE - C



CASE - D



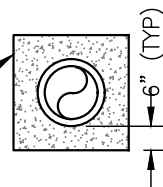
CASE - E



CASE - F

SEE SHEET 2 OF 2 FOR
NOTES AND DESCRIPTION
OF CASES

CLASS "A" CONC.
(3500 PSI)



CROSS SECTION OF
CONCRETE REINFORCEMENT
FOR PIPE

EDGEMONT COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: NOVEMBER, 2022

REMODELING DETAILS FOR SEWER LATERALS

DRAWING NO.

S-3

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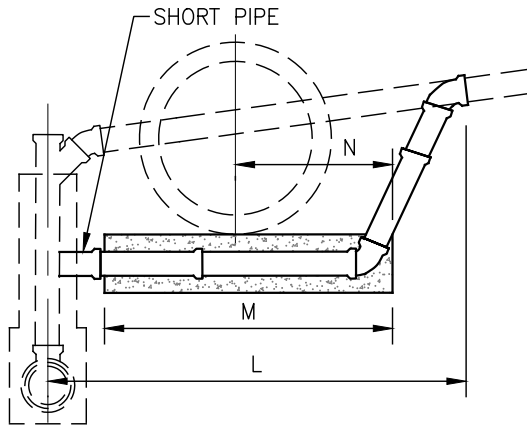
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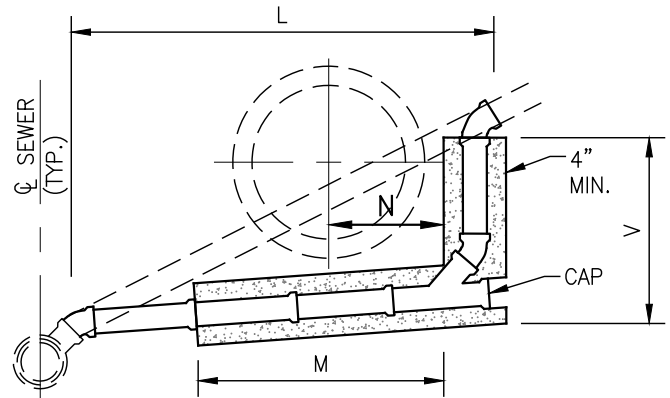
SHEET 1 OF 2

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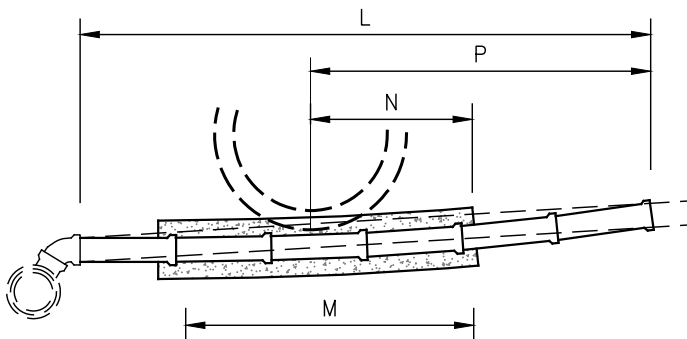
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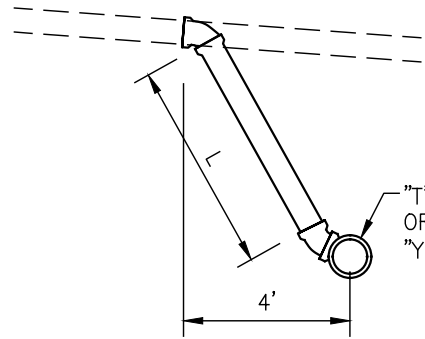
CASE - G



CASE - H



CASE - K



CASE - R

NOTES:

1. THESE DETAILS DO NOT APPLY TO CONFLICTS BETWEEN SEWER LATERALS AND WATERLINES.
2. EXISTING PIPES ARE INDICATED BY BROKEN LINES.
3. PIPES TO BE CONSTRUCTED ARE INDICATED BY SOLID LINES.
4. ALL PIPE DIAMETERS SHALL MATCH EXISTING LATERAL.
5. ALL BENDS SHALL BE 1/8 BENDS UNLESS SPECIFIED OTHERWISE.
6. CONCRETE REINFORCEMENT, CROSS SECTION SHOWN ON SHEET 1, SHALL BE USED ON ALL PIPES TO BE CONSTRUCTED UNDER STORM DRAIN, TOP PORTION WITHIN 1" OF STORM DRAIN TO BE OMITTED.
7. DIMENSIONS:
L - IS SPECIFIED ON PLAN AS THE AVERAGE TOTAL LENGTH.
M - (d_s + 24") LESS ENOUGH TO AVOID A FRACTION OF A FOOT.
N - 1/2 M, EXCEPT WHERE SPECIFIED OTHERWISE ON PLAN.
P - (CASE K) IS SPECIFIED WHERE L DOES NOT EXTEND TO THE BEND.
V - (CASE H) IS SPECIFIED TO THE NEAREST FOOT AND IN SUMMARY IS ITEMIZED AS CONCRETE REINFORCEMENT FOR 6" PIPE.
8. NEW CONNECTION TO MAIN LINE SHALL CONFORM TO STD. DWG. S-2.

CASES:

- A. ABOVE DRAIN TO HOUSE CONNECTION-SPECIALS REQUIRED: 2 1/8 BENDS.
- B. ABOVE DRAIN TO CHIMNEY - 2 1/8 BENDS.
- C. BELOW DRAIN TO HOUSE CONNECTION-2 1/8 BENDS.
- D. BELOW DRAIN TO "Y" - 3 1/8 BENDS.
- E. BELOW DRAIN TO FLAT SADDLE - 3 1/8 BENDS, 1 SADDLE.
- F. BELOW DRAIN TO SADDLE - 3 1/8 BENDS, 1 SADDLE.
- G. BELOW DRAIN TO CHIMNEY - 2 1/8 BENDS.
- H. BELOW DRAIN TO "Y" - 3 1/8 BENDS, 1 "Y".
- K. BELOW DRAIN TO HOUSE CONNECTION, SLOPE SLIGHTLY MODIFIED.
- R. CONNECTION WITH NEW SEWER - 2 1/8 BENDS WITH "Y" - 14" 1/8 BEND WITH "T".

EDGEMONT COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: NOVEMBER, 2022

REMODELING DETAILS FOR SEWER LATERALS

DRAWING NO.

S-3

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SHEET 2 OF 2

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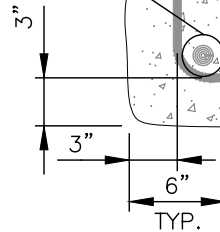
REV.

CLASS "A" CONCRETE
(3000 PSI)

NO. 4 TIE BAR
24" O.C. MAX.

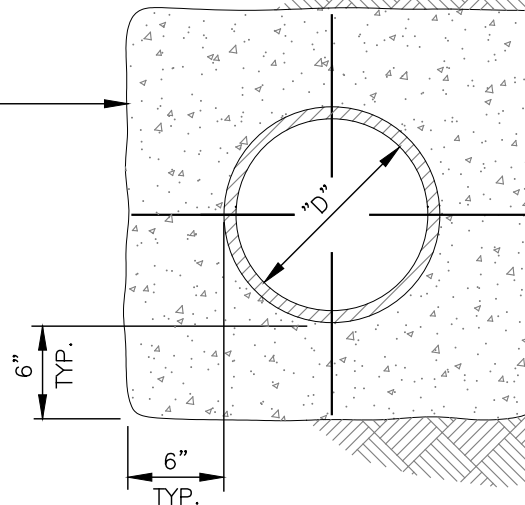
*NO. 4 BAR LONGITUDINAL
(TYP. OF 4)

*NOTE:
USE (8) NO. 4 LONGITUDINAL
BARS EQUALLY SPACED FOR
PIPES LARGER THAN 15"Ø



REINFORCED CONCRETE ENCASEMENT

CLASS "B" CONCRETE
(2500 PSI)



NOTES:

CLASS "B" CONCRETE ENCASEMENT

1. ALL REBARS SHALL BE FABRICATED AND PLACED IN POSITION PER A.C.I. SPECIFICATIONS.
2. PROVIDE FLEXIBLE JOINTS AT EACH END OF CONCRETE ENCASEMENT, WITHIN 12" FROM EACH END.
3. EXPANSION JOINTS SHALL BE CONSTRUCTED AT EVERY 50'± INTERVAL FOR THE CONCRETE ENCASEMENT: EACH JOINT SHALL COINCIDE WITH THE BELL AND SPIGOT JOINT OF THE PIPE.
4. CONTRACTOR SHALL TAKE ANY PRECAUTIONARY MEASURES NECESSARY TO PREVENT PIPE FROM FLOTATION.

EDGEMONT COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: NOVEMBER, 2022

TYPICAL CONCRETE ENCASEMENT DETAIL

DRAWING NO.

S-4

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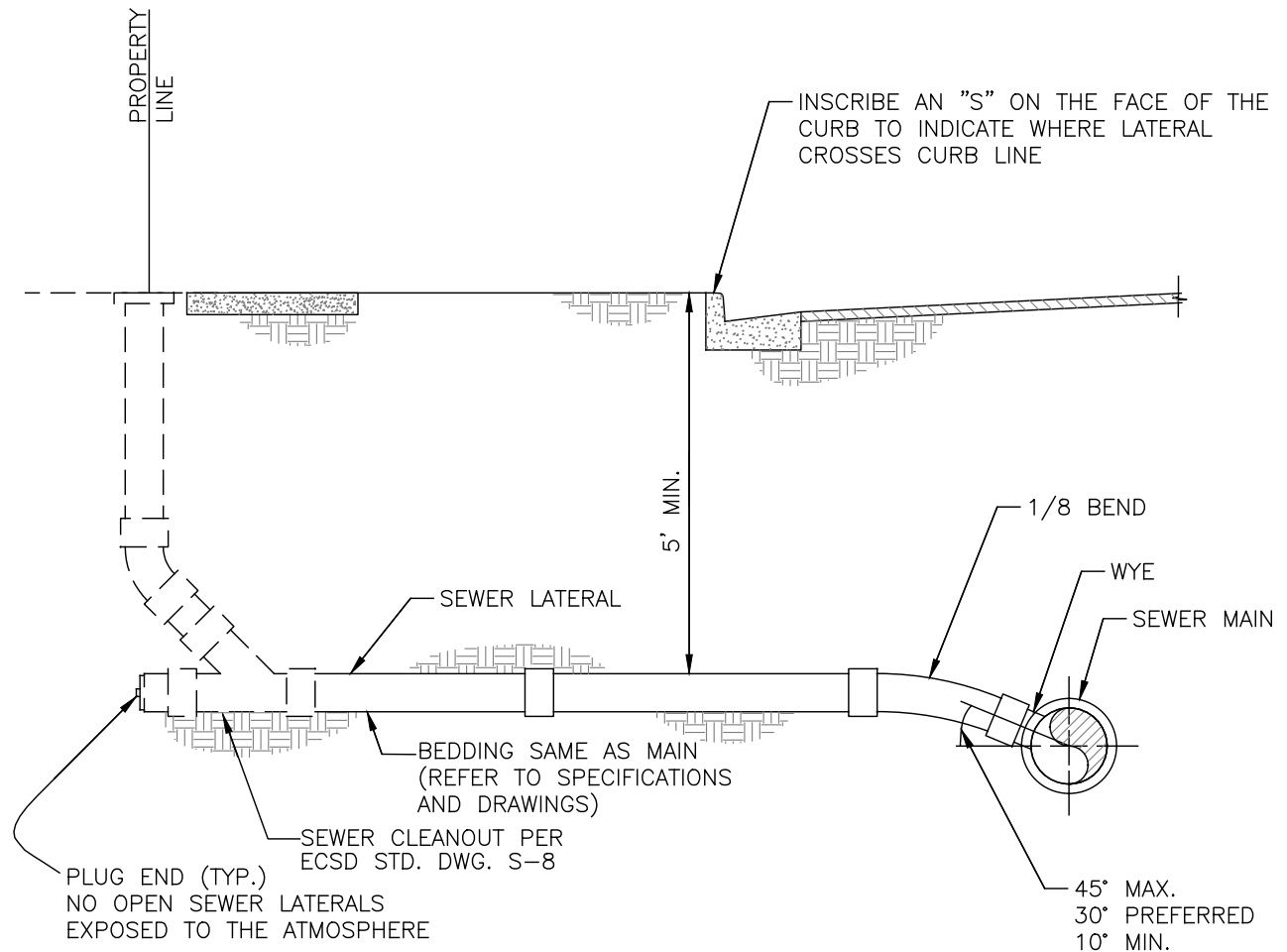
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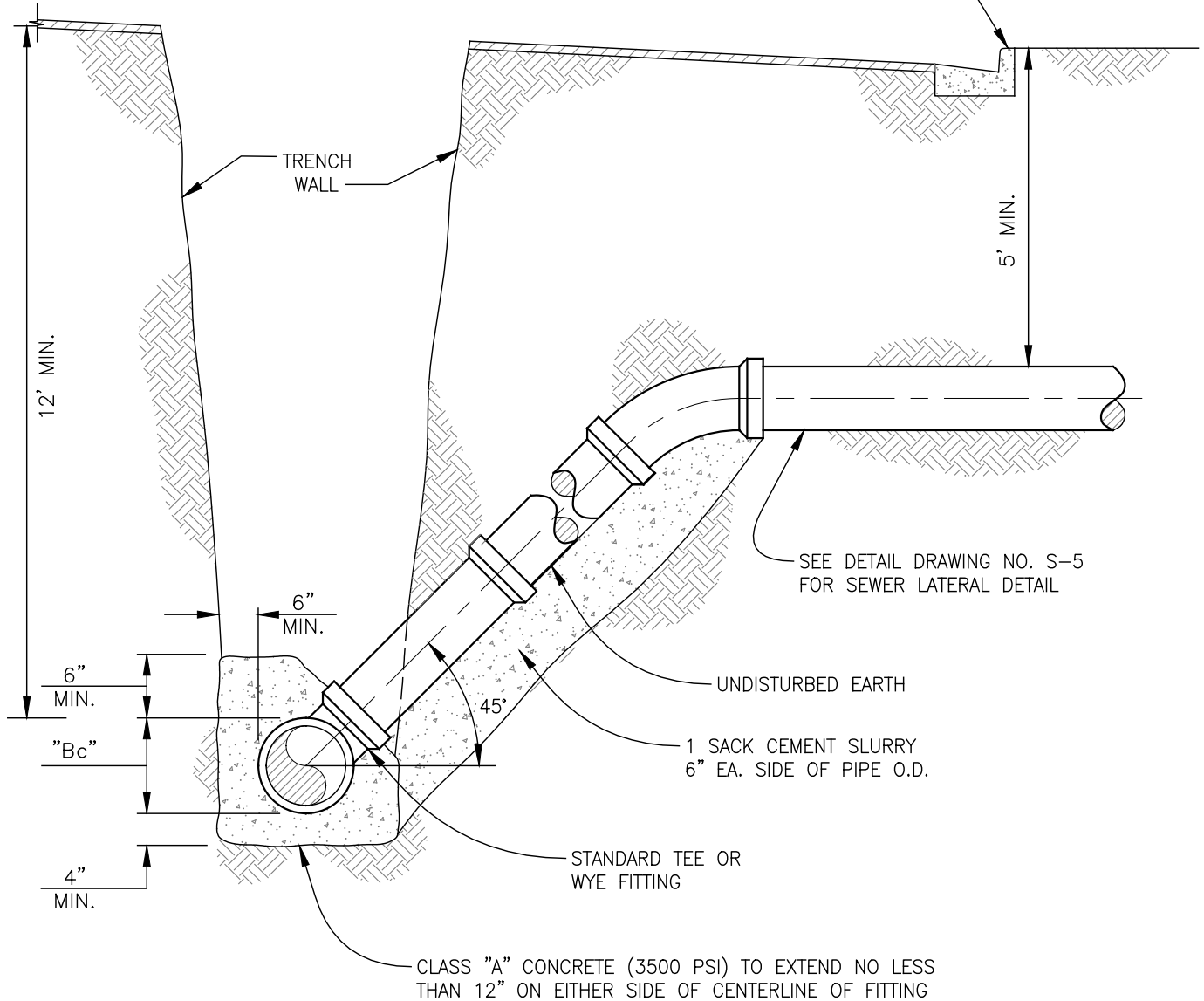
NOTES:

1. 4" PIPE FOR SINGLE DWELLINGS, 6" MIN. FOR ALL OTHER LATERALS.
2. LATERAL LOCATIONS SHALL BE MEASURED AT RIGHT ANGLES TO STREET CENTERLINE FROM THE CENTERLINE OF THE NEAREST DOWNSTREAM MANHOLE COVER.
3. WHENEVER DEPTH OF COVER OVER LATERAL IS LESS THAN 4'-0", SPECIAL BEDDING OR CONCRETE CRADLE SHALL BE USED.
4. CONTRACTOR SHALL REFERENCE EACH LATERAL IN THE FIELD WITH A SURFACE MARKER. MARKER SHALL BE METAL STAKE PLACED AT TIME OF BACKFILLING. MARKER SHALL BE VERTICAL AND CUT OFF 6" ABOVE GRADE.
5. SEWER LATERALS FOR ALL LOTS WHICH HAVE PAD ELEVATIONS AT OR BELOW STREET GRADE SHALL BE CONSTRUCTED AT 2% SLOPE. IN NO CASE SHALL ANY SEWER LATERAL BE CONSTRUCTED AT LESS THAN 2% SLOPE UNLESS OTHERWISE SHOWN ON PLANS.
6. SEWER PLUGS TO BE INSTALLED INTO LATERAL STUBOUTS AND INFLATED WHILE MAKING HOUSE CONNECTIONS TO THE SEWER MAIN. CONNECTIONS TO BE MADE WITH DISTRICT INSPECTOR PRESENT.
7. MANHOLES PER DISTRICT STANDARD DRAWING NO. S-7 SHALL BE PROVIDED AT THE STREET RIGHT-OF-WAY LINE AND THE CONNECTION TO THE SEWER MAIN FOR ALL LATERALS 6" IN DIAMETER AND LARGER.

EDGEMONT COMMUNITY SERVICES DISTRICT

SCALE: NONE	TYPICAL SEWER LATERAL	DRAWING NO.
DATE: NOVEMBER, 2022		S-5
REV. APPROVED BY:  Sinnaro Yos, P.E. 68607	ALBERT A. WEBB ASSOCIATES CONSULTING ENGINEERS RIVERSIDE CALIFORNIA	W.O. 21-0230

INSCRIBE AN "S" ON FACE OF
THE CURB TO INDICATE WHERE
LATERAL CROSSES CURB LINE



Bc = OUTSIDE DIAMETER OF PIPE BARREL.

EDGEMONT COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: NOVEMBER, 2022

DEEP LATERAL

DRAWING NO.

S-6

REV.

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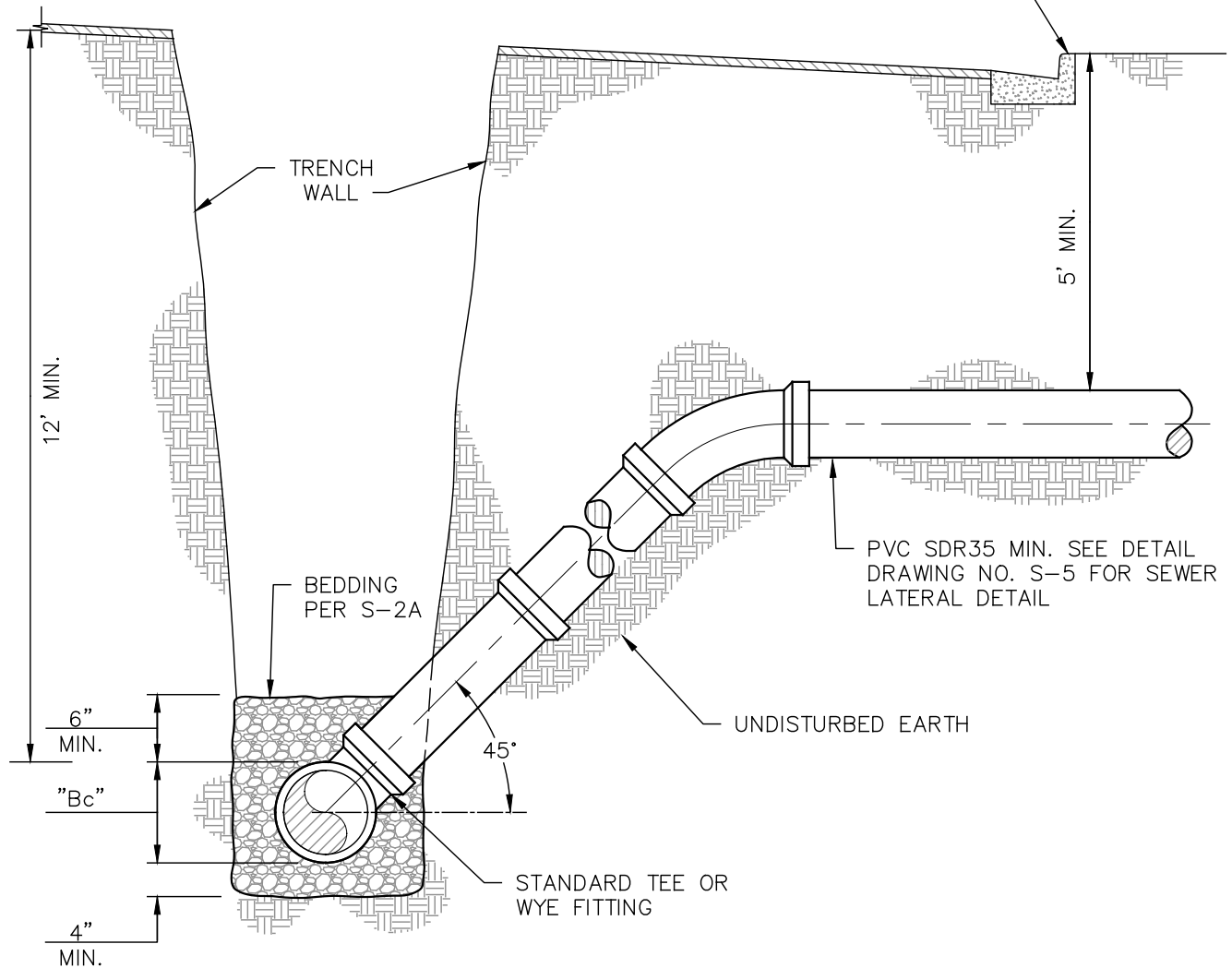
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INSCRIBE AN "S" ON FACE OF
THE CURB TO INDICATE WHERE
LATERAL CROSSES CURB LINE



Bc = OUTSIDE DIAMETER OF PIPE BARREL.

EDGEMONT COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: NOVEMBER, 2022

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DEEP LATERAL FLEXIBLE GRAVITY PIPE

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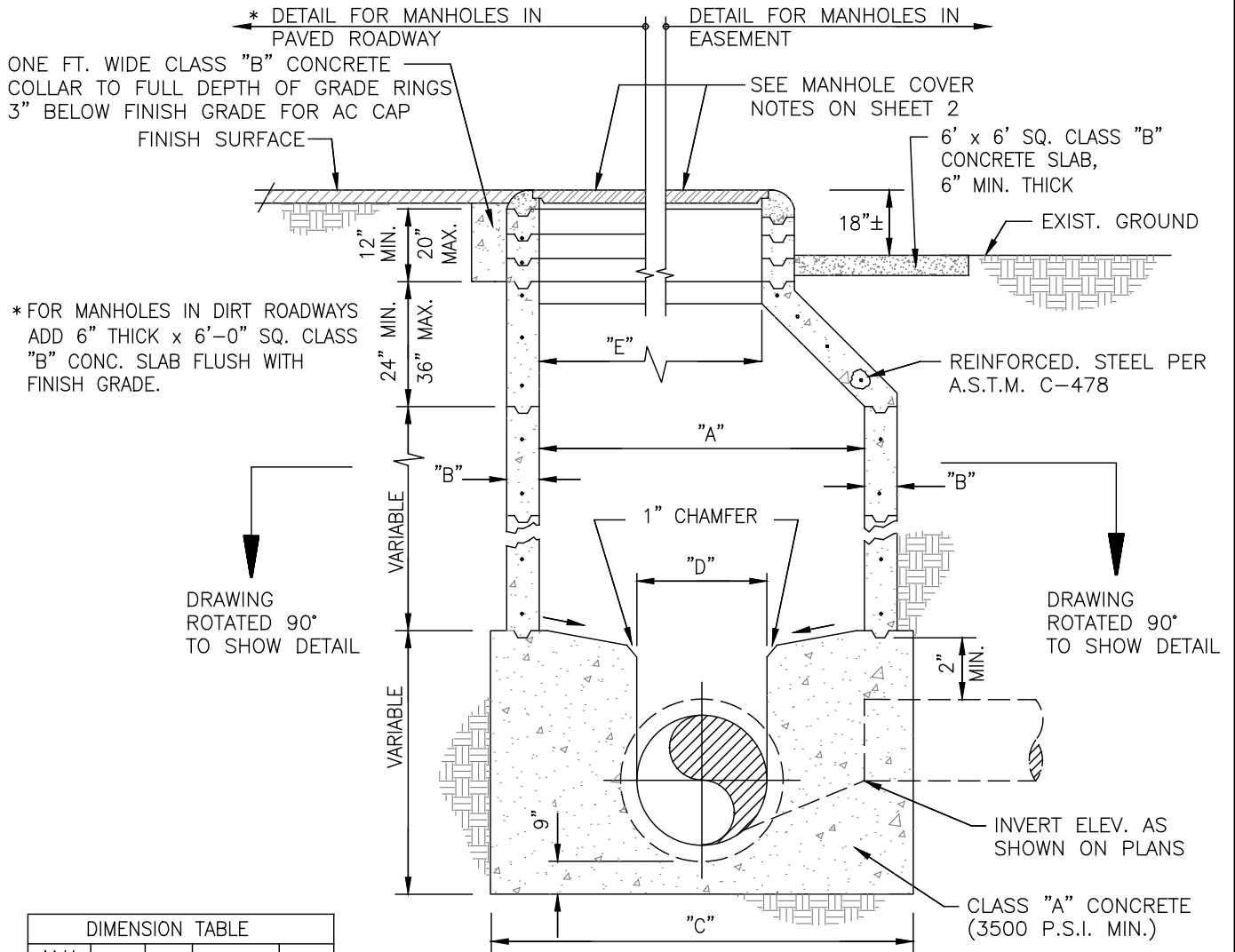
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DRAWING NO.

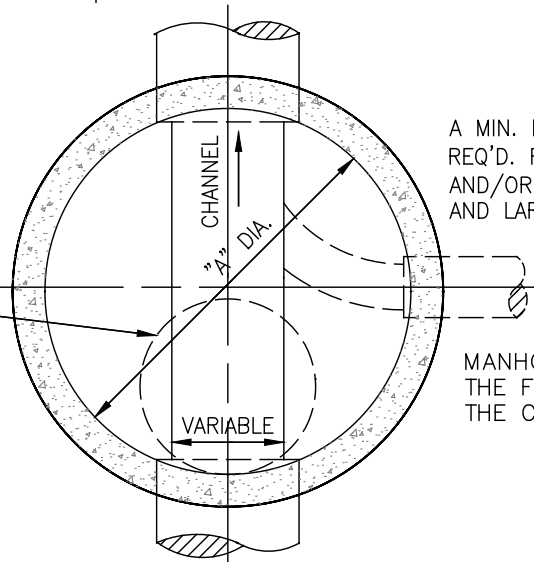
S-6A

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FRAME & COVER SETTING CONDITIONS



DIMENSION TABLE				
M.H. DIA.	A	B	C	E
4'	48"	6"	5'-6"	30"
5'	60"	6"	6'-6"	30"



A MIN. INSIDE DIA. OF 60" SHALL BE REQ'D. FOR PIPELINES DEEPER THAN 15' AND/OR FOR SEWER DIAMETERS 15 INCH AND LARGER

ALL MANHOLE TOPS SHALL BE INSTALLED WITH MANHOLE COVER LOCATED OPPOSITE THE DOWNSTREAM SIDE, EXCEPT AS OTHERWISE NOTED.

MANHOLE COVERS SHALL HAVE THE FOLLOWING WRITING ON THE CENTER OF THE COVER :

ECSD
SEWER

EDGEMONT COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: NOVEMBER, 2022

PRECAST CONCRETE MANHOLE

DRAWING NO.

S-7

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SHEET 1 OF 2

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NOTES:

1. ALL SECTIONS TO BE WASHED TO REMOVE ANY LOOSE MATERIAL. PRECAST MANHOLE SECTIONS AND GRADE RINGS SHALL BE SEALED WITH CS-102B BUTYL/BITUMEN BLENDED SEALANT AS MANUFACTURED BY CONSEAL OF NEW CARLISLE, OHIO OR DISTRICT APPROVED EQUAL TO FORM WATERTIGHT JOINTS.
2. CONCRETE FOR MANHOLE SECTIONS SHALL BE 3,500 P.S.I. MIN. USING TYPE V CEMENT.
3. PROVIDE REPAIR BAND COUPLING WITH ADJUSTABLE S.S. SHEAR RING JOINT IN ALL SEWER PIPES OUTSIDE OF MANHOLE BUT WITHIN 12" OF CONCRETE BASE.
4. WHEN INSTALLING REINFORCED CONCRETE GRADE RING(S) 3"-6" THE GRADE RINGS MUST BE CLEAN AND ANCHORED TO BOTH THE FRAME AND GRADE RING(S) OR CONE WITH A SUITABLE EPOXY OR OTHER METHOD AS APPROVED BY THE DISTRICT. INTERIOR OF GRADE RINGS SHALL BE SMOOTHLY MORTARED.
5. MORTAR AROUND AND UNDER FRAME SHALL BE CURED WITH A PIGMENTED CURING COMPOUND MEETING THE REQUIREMENTS OF SECTION 90-7 OF STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, 2006 EDITION.
6. FOR PVC CONNECTIONS TO EXISTING AND NEW PRECAST REINFORCED CONCRETE MANHOLES. A HOLE SPECIFIC TO THE NEW PIPE'S O.D. DIA. SHALL BE CORED INTO THE CONCRETE MANHOLE WALL TO RECEIVE THE PIPE. A KOR-N-SEAL BOOT OR ENGINEER APPROVED EQUAL SHALL BE CLAMPED INTO THE CORED HOLE AND USED TO MAKE THE CONNECTION.
7. SHELF AND GROOVE SHALL BE FORMED MONOLITHICALLY WITH THE MANHOLE BASE. CHANNELS TO BE SMOOTH FINISH.

MANHOLE COVER NOTES:

1. MANHOLE FRAME AND COVER ALHAMBRA FDY. CO. TYPE A-1270 (24"), A-1252 (30"), A-1325 (36") OR APPROVED EQUAL. APPLICATION - IN STREETS WHERE SECURITY OR FLOODING IS NOT A DISTRICT CONCERN.
2. WHEN SPECIFIED: GMI SERIES - COMPOSITE MANHOLE COVER AND FRAME, (24") 2600, (30") 3200 AND (36") 3800 WITH FOUR (4) TITUS TWISTLIFT STAINLESS STEEL LOCKS, PER COVER. "NOTE" AFTER SETTING A COMPOSITE FRAME IN PLACE AND PRIOR TO POURING THE CONCRETE COLLAR AND/OR CONCRETE SLAB, INSTALL ONE (1) #4 REBAR SHAPED INTO A FULL CIRCLE THREE (3") INCHES LARGER IN O.D. THAN THE COMPOSITE FRAME. AFTER FORMING THE #4 REBAR CIRCLE, IT SHALL THEN BE SET TO THREE (3") INCHES BELOW THE FRAME RIM ELEVATION THEN ENCAPSULATED IN THE CONCRETE COLLAR AND/OR CONCRETE SLAB.
3. CAST "ECSO SEWER" ON ALL MANHOLE COVERS.

SPECIAL MANHOLE COVER CONDITIONS:

1. FOR MANHOLES IN EASEMENTS, UNPAVED AREAS, OR ANY AREA WHERE SECURITY IS A DISTRICT CONCERN BUT WATER INFLOW IS NOT AN ISSUE USE ALHAMBRA FDY. A-1176 OR APPROVED EQUAL.
2. FOR MANHOLES IN EASEMENTS, UNPAVED AREAS, STREET OR ANY AREA WHERE WATER INFLOW IS A POTENTIAL ISSUE AND/OR WHERE SECURITY IS A DISTRICT CONCERN USE ALHAMBRA FDY. A-1250B WITH LOCKING DEVICE OR APPROVED EQUAL.

EDGEMONT COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: NOVEMBER, 2022

PRECAST CONCRETE MANHOLE

DRAWING NO.

S-7

SHEET 2 OF 2

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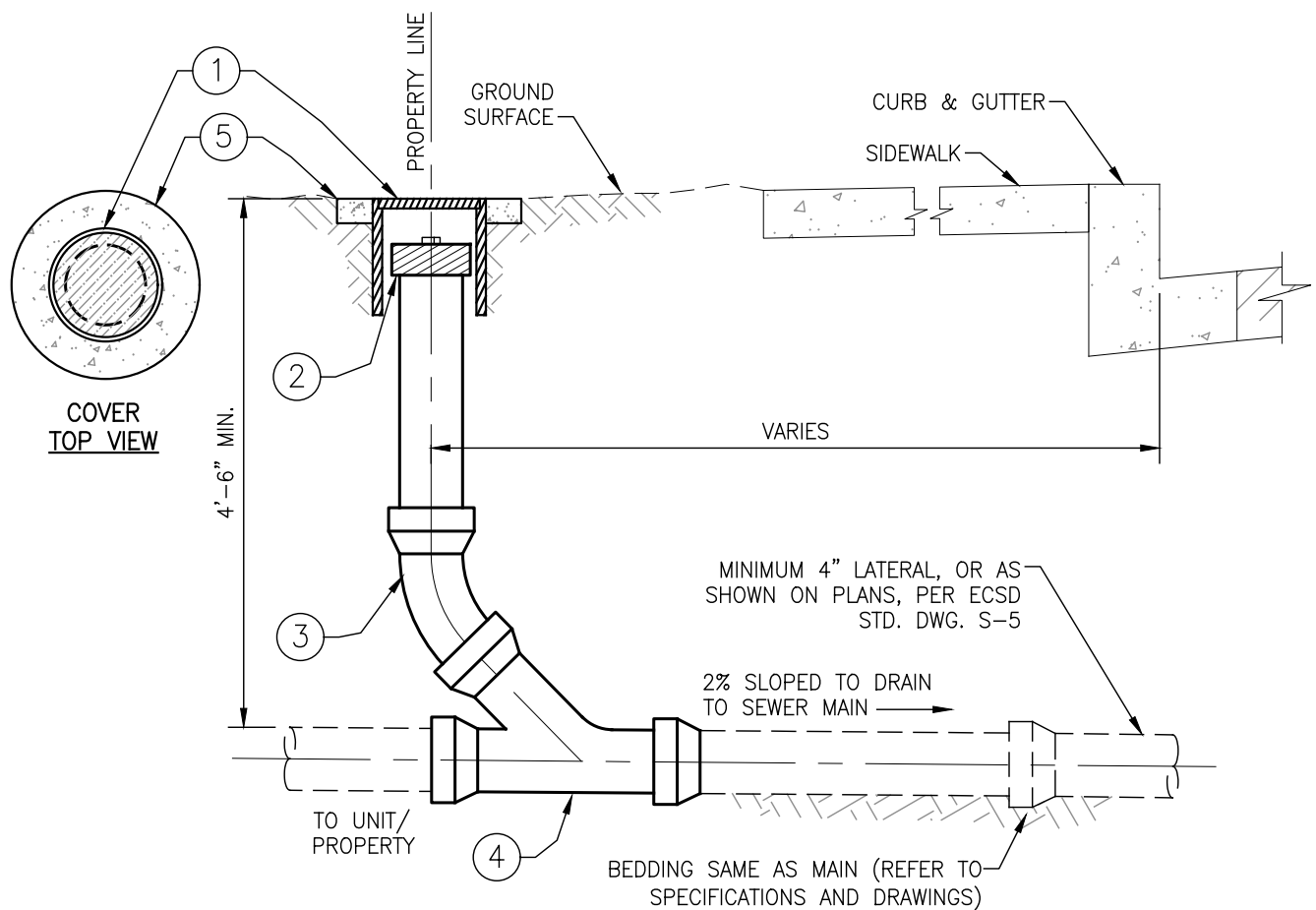
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REV.



MATERIALS LIST

①	J&R NO. V3-RT CIRCULAR BOX WITH LID INSCRIBED WITH "SEWER" (H-20 LOADING)
②	THREADED CAP WITH SQUARE NUT.
③	MINIMUM 3-1/2" SEWER PIPE PER UNIFORM PLUMBING CODE.
④	WYE PER UNIFORM PLUMBING CODE.
⑤	24" DIA. x 6" THK. CONCRETE PAD, CLASS "A" CONCRETE, FOR NON-PAVED AREAS

NOTES:

1. PLACE CLEANOUT AT PROPERTY LINE OR EDGE OF EASEMENT.
2. LID MUST BE CAST IRON FOR LOCATING PURPOSES, MARKED "SEWER".
3. CLEANOUT SHALL BE FIELD VERIFIED BY DISTRICT INSPECTOR.

EDGEMONT COMMUNITY SERVICES DISTRICT

SCALE: NONE
DATE: NOVEMBER, 2022

SEWER LATERAL CLEANOUT

DRAWING NO.

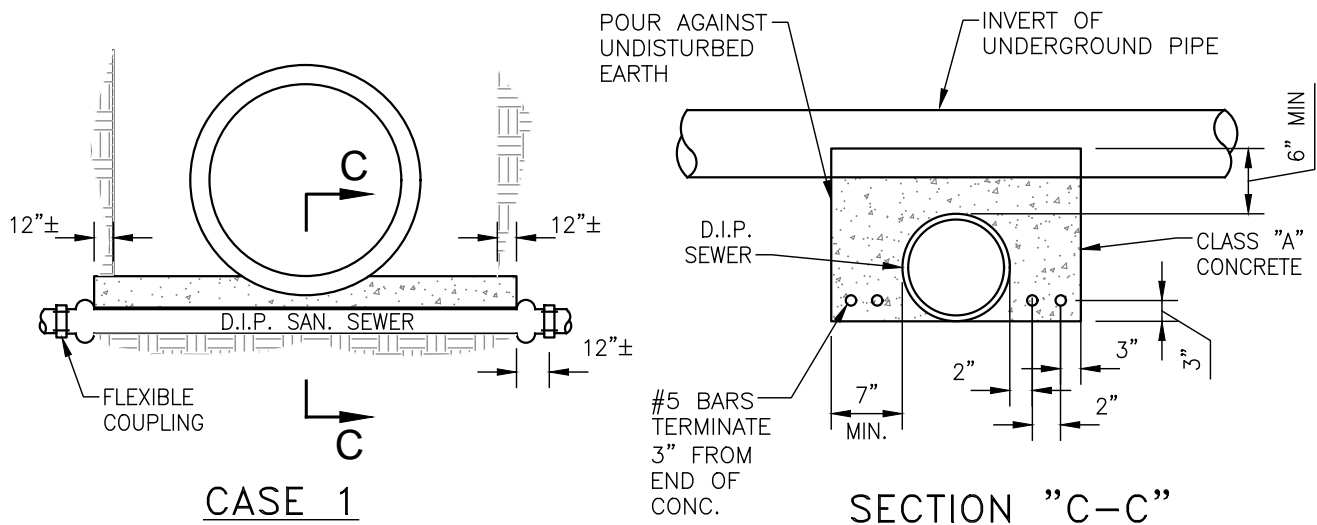
S-8

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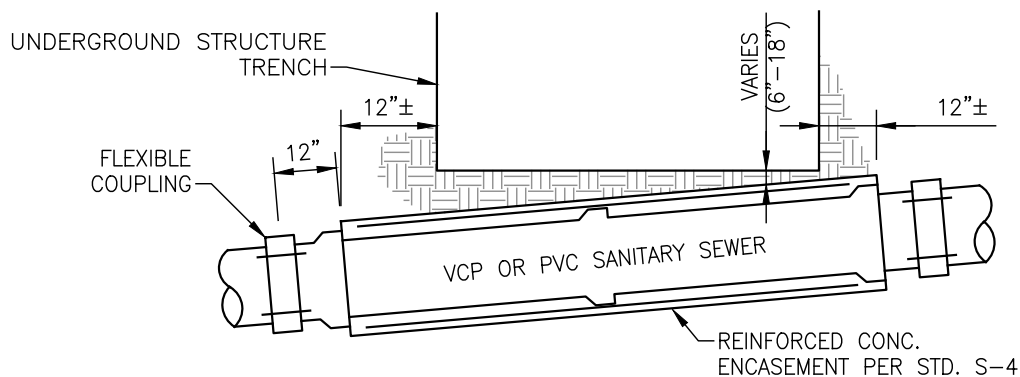
CALIFORNIA

W.O. 21-0230



CASE 1 NOTES:

1. WHERE CLEARANCE BETWEEN BOTTOM OF UNDERGROUND PIPE OR STRUCTURE AND TOP OF SANITARY SEWER IS LESS THAN 6" CASE 1 APPLIES.
2. SANITARY SEWER SHALL BE DUCTILE IRON PIPE, CLASS 50 (MIN.) IN CONFORMANCE WITH DISTRICT SPECIFICATIONS.



CASE 2 NOTES:

1. WHERE CLEARANCE BETWEEN BOTTOM OF UNDERGROUND PIPE OR STRUCTURE AND TOP OF SEWER IS 6" TO 18", CASE 2 APPLIES.

GENERAL NOTES:

1. THIS STANDARD APPLIES TO LOADING PIPE PROTECTION CASES.

EDGEMONT COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: NOVEMBER, 2022

SEWER PROTECTION DETAIL

DRAWING NO.

S-9

APPROVED BY:

Sinnaro Yos
Sinnaro Yos, P.E. 68607

ALBERT A. WEBB ASSOCIATES
CONSULTING ENGINEERS

RIVERSIDE

CALIFORNIA

W.O. 21-0230

REV.



CALIFORNIA

NOTES:

1. DOMESTIC SEWAGE CONNECTION IS TO BE MADE DOWNSTREAM OF CLARIFIER'S SAMPLE BOX.
2. PRECAST CONCRETE VAULT INCLUDING TOP AND COVERS TO BE DESIGNED FOR A MIN. H-20 TRAFFIC LOADING.
3. ALL PIPE AND FITTINGS TO BE PVC.
4. MINIMUM APPROVED CAPACITY IS 750 GALLONS. A LARGER CLARIFIER MAY BE REQUIRED BASED ON INDUSTRIAL EFFLUENT QUANTITY AND QUALITY.
5. WASTE DISCHARGE APPLICANT IS RESPONSIBLE FOR THE PURCHASE, INSTALLATION, OPERATION AND MAINTENANCE OF THE CLARIFIER.
6. APPROVED SUPPLIERS FOR CLARIFIER:
 - a. PYRAMID PRECAST CO. INC., RIALTO, CA.
 - b. M.C. NOTTINGHAM CO., PASADENA, CA.
 - c. UTILITY VAULT CO., FONTANA, CA.
 - d. JENSEN PRECAST CO., FONTANA, CA.
7. LOCATION OF CLARIFIER IS SUBJECT TO APPROVAL BY DISTRICT.
8. SAMPLE BOX IS REQUIRED AND SHALL BE ACCESSIBLE TO DISTRICT PERSONNEL WITH LOCATION TO BE APPROVED BY THE DISTRICT.
9. GRADE RING JOINTS ARE TO BE SEALED WITH 1:2 MORTAR, TRIMMED TO A SMOOTH FINISH INSIDE AND OUT.
10. THE MANHOLE FRAME IS TO BE SEALED WITH AND SECURED BY A MOTOR RING.

* DIMENSIONS TYPICAL OF 1000 GALLON CAPACITY CLARIFIER.

** DIMENSION VARIES DEPENDING ON DEPTH OF EFFLUENT LINE BELOW FINISHED GRADE.

*** INVERT ELEVATION SHALL BE AS SHALLOW AS POSSIBLE, NOT DEEPER THAN 4' FROM FINISH SURFACE ELEVATION.

EDGEMONT COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: NOVEMBER, 2022

INDUSTRIAL WASTE CLARIFIER THREE COMPARTMENT

DRAWING NO.

S-10

APPROVED BY:


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ALBERT A. WEBB ASSOCIATES
CONSULTING ENGINEERS

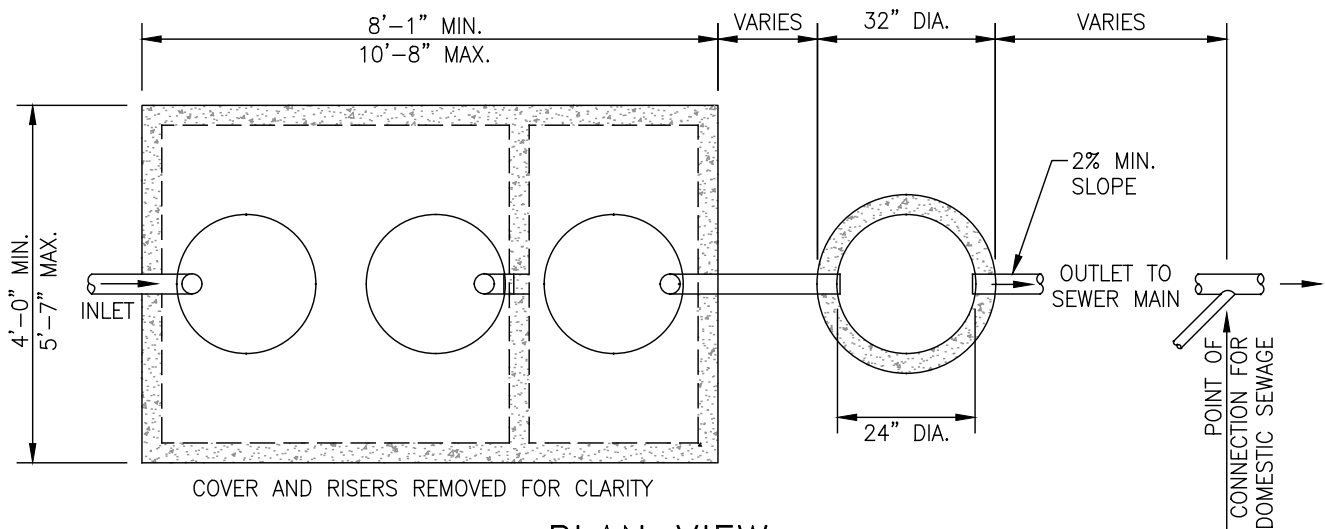
RIVERSIDE

CALIFORNIA

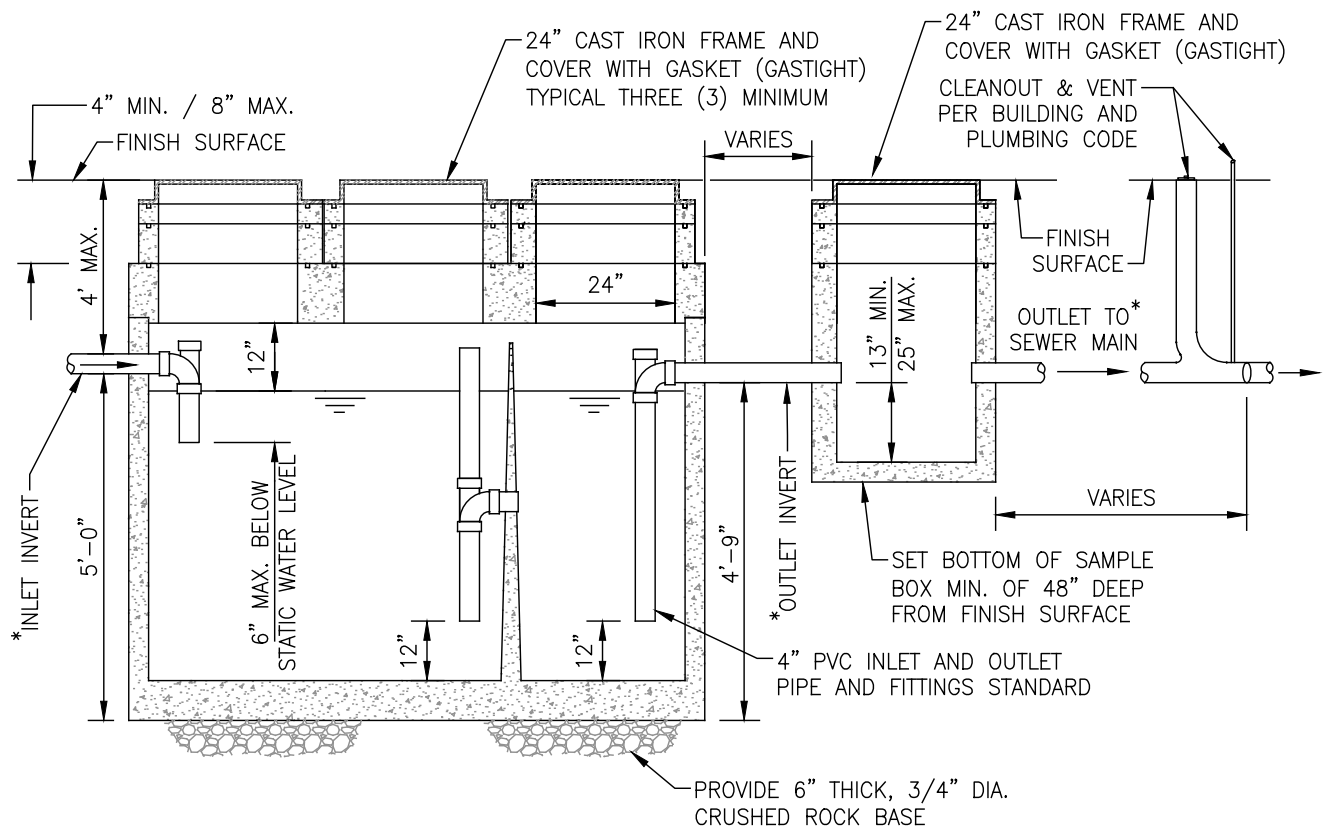
SHEET 2 OF 2

W.O. 21-0230

REV.



PLAN VIEW
N.T.S.



SECTION VIEW
N.T.S.

EDGEMONT COMMUNITY SERVICES DISTRICT

SCALE: NONE
DATE: NOVEMBER, 2022
APPROVED BY: *Sinnaro Yos*
Sinnaro Yos, P.E. 68607

GRAVITY SEPARATOR
750 GAL. TO 1500 GAL.

ALBERT A. WEBB ASSOCIATES
CONSULTING ENGINEERS

RIVERSIDE

CALIFORNIA

DRAWING NO.

S-11

SHEET 1 OF 2

W.O. 21-0230

NOTES:

1. DOMESTIC SEWAGE CONNECTION IS TO BE MADE DOWNSTREAM OF GRAVITY SEPARATOR SAMPLE BOX.
 2. PRECAST CONCRETE VAULT INCLUDING TOP AND COVERS TO BE DESIGNED FOR A MIN. H-20 TRAFFIC LOADING. SQUARE COVERS ARE NOT ACCEPTABLE.
 3. ALL PIPE AND FITTINGS TO BE PVC.
 4. THE REQUIRED CAPACITY FOR THE GRAVITY SEPARATOR SHALL BE BASED UPON APPENDIX H OF THE UNIFORM PLUMBING CODE.
 5. WASTE DISCHARGE APPLICANT IS RESPONSIBLE FOR THE PURCHASE, INSTALLATION, OPERATION AND MAINTENANCE OF THE GRAVITY SEPARATOR.
 6. APPROVED SUPPLIERS FOR CLARIFIER:
 - a. PYRAMID PRECAST CO. INC., RIALTO, CA.
 - b. M.C. NOTTINGHAM CO., PASADENA, CA.
 - c. UTILITY VAULT CO., FONTANA, CA.
 - d. JENSEN PRECAST CO., FONTANA, CA.
 7. LOCATION OF CLARIFIER IS SUBJECT TO APPROVAL BY DISTRICT.
 8. PROVIDE LABEL INDICATING MANUFACTURER OF GRAVITY SEPARATOR AND CONFORMANCE WITH THE UNIFORM PLUMBING CODE.
 9. SAMPLE BOX IS REQUIRED AND SHALL BE ACCESSIBLE TO DISTRICT PERSONNEL WITH LOCATION TO BE APPROVED BY THE DISTRICT.
 10. GRADE RING JOINTS ARE TO BE SEALED WITH 1:2 MORTAR, TRIMMED TO A SMOOTH FINISH INSIDE AND OUT.
 11. THE MANHOLE FRAME IS TO BE SEALED WITH AND SECURED BY A MOTOR RING.
 12. FOR GREASE INTERCEPTOR STRUCTURE, MINIMUM OF 3 MANHOLES REQUIRED, ONE MANHOLE PLACED OVER EACH PIPE (INLET, MIDDLE, AND OUTLET).
- * INVERT ELEVATION SHALL BE AS SHALLOW AS POSSIBLE, NOT DEEPER THAN 4' FROM FINISH SURFACE ELEVATION.

EDGEMONT COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: NOVEMBER, 2022

GRAVITY SEPARATOR
750 GAL. TO 1500 GAL.

DRAWING NO.

S-11

APPROVED BY:


Sinnaro Yos, P.E. 68607

ALBERT A. WEBB ASSOCIATES
CONSULTING ENGINEERS

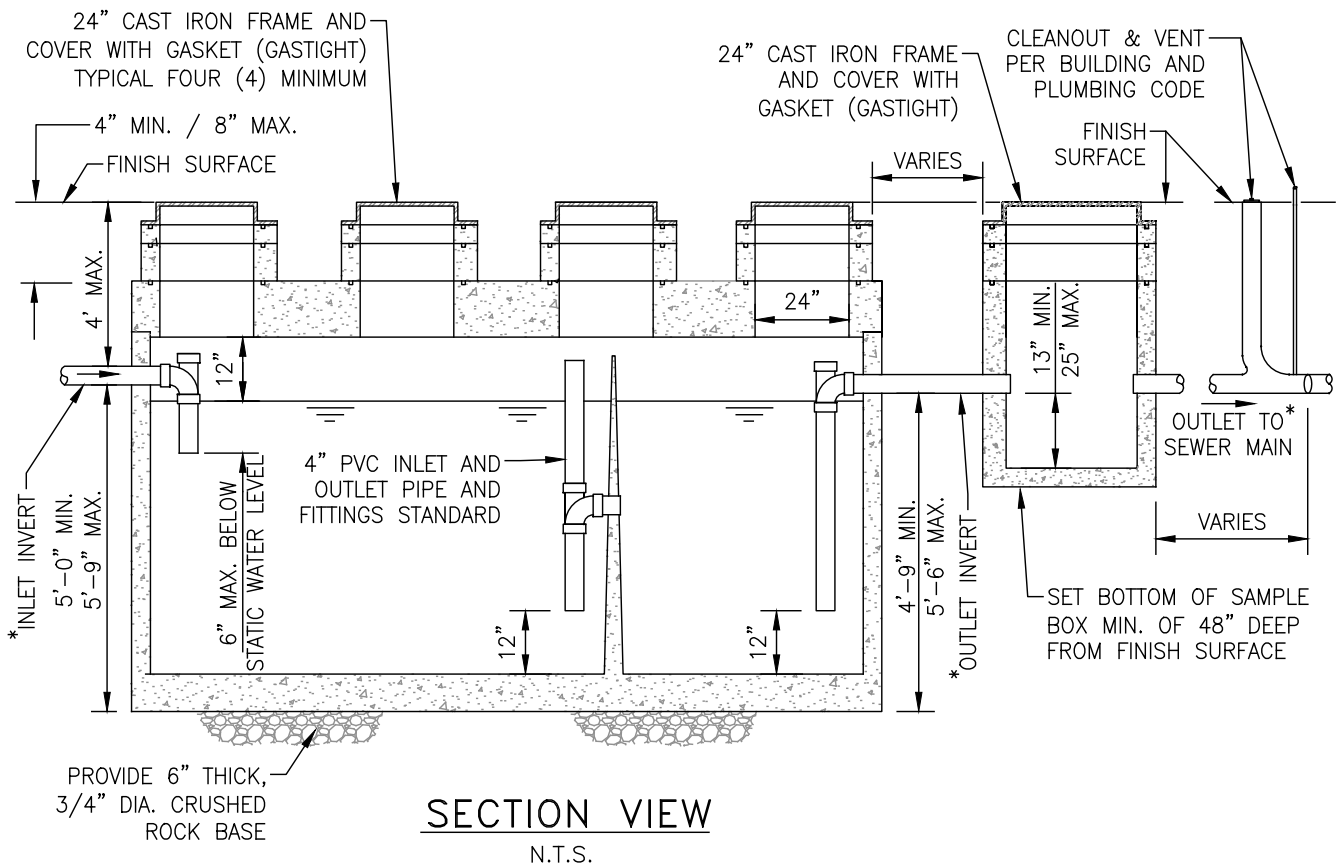
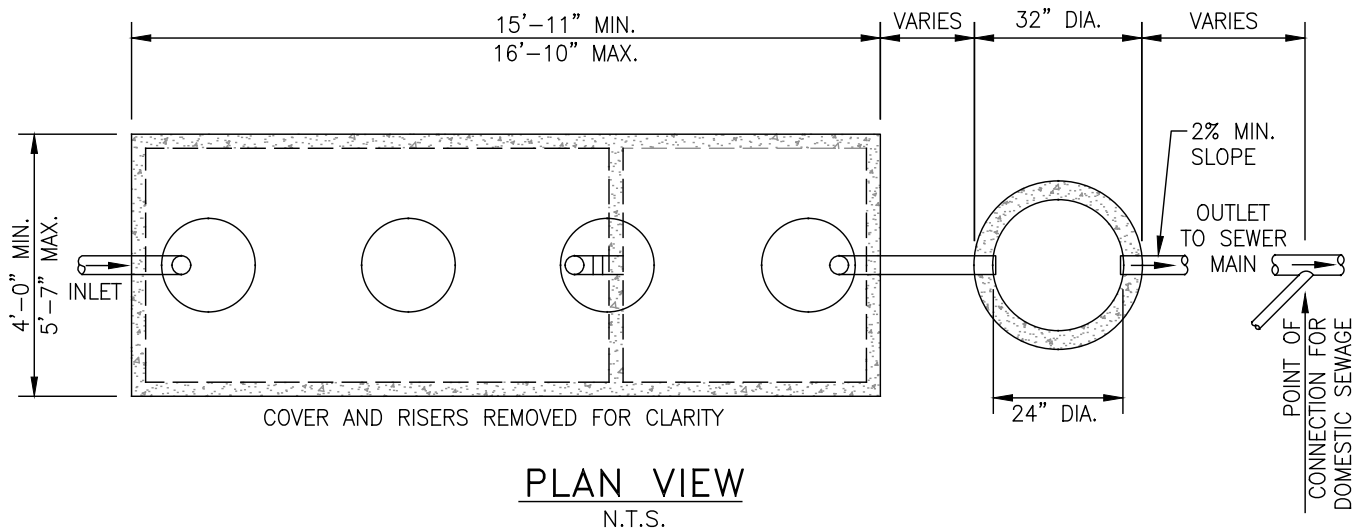
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CALIFORNIA

SHEET 2 OF 2

W.O. 21-0230

REV.



EDGEMONT COMMUNITY SERVICES DISTRICT

SCALE: NONE
DATE: NOVEMBER, 2022

GRAVITY SEPARATOR
2000 GAL. TO 3000 GAL.

DRAWING NO.

S-12

APPROVED BY: *Sinnaro Yos*
Sinnaro Yos, P.E. 68607

ALBERT A. WEBB ASSOCIATES
CONSULTING ENGINEERS

SHEET 1 OF 2

RIVERSIDE

CALIFORNIA

W.O. 21-0230

REV.


NOTES:

1. DOMESTIC SEWAGE CONNECTION IS TO BE MADE DOWNSTREAM OF GRAVITY SEPARATOR SAMPLE BOX.
 2. PRECAST CONCRETE VAULT INCLUDING TOP AND COVERS TO BE DESIGNED FOR A MIN. H-20 TRAFFIC LOADING. SQUARE COVERS ARE NOT ACCEPTABLE.
 3. ALL PIPE AND FITTINGS TO BE PVC.
 4. THE REQUIRED CAPACITY FOR THE GRAVITY SEPARATOR SHALL BE BASED UPON APPENDIX H OF THE UNIFORM PLUMBING CODE.
 5. WASTE DISCHARGE APPLICANT IS RESPONSIBLE FOR THE PURCHASE, INSTALLATION, OPERATION AND MAINTENANCE OF THE GRAVITY SEPARATOR.
 6. APPROVED SUPPLIERS FOR CLARIFIER:
 - a. PYRAMID PRECAST CO. INC., RIALTO, CA.
 - b. M.C. NOTTINGHAM CO., PASADENA, CA.
 - c. UTILITY VAULT CO., FONTANA, CA.
 - d. JENSEN PRECAST CO., FONTANA, CA.
 7. LOCATION OF CLARIFIER IS SUBJECT TO APPROVAL BY DISTRICT.
 8. PROVIDE LABEL INDICATING MANUFACTURER OF GRAVITY SEPARATOR AND CONFORMANCE WITH THE UNIFORM PLUMBING CODE.
 9. SAMPLE BOX IS REQUIRED AND SHALL BE ACCESSIBLE TO DISTRICT PERSONNEL WITH LOCATION TO BE APPROVED BY THE DISTRICT.
 10. GRADE RING JOINTS ARE TO BE SEALED WITH 1:2 MORTAR, TRIMMED TO A SMOOTH FINISH INSIDE AND OUT.
 11. THE MANHOLE FRAME IS TO BE SEALED WITH AND SECURED BY A MOTOR RING.
 12. FOR GREASE INTERCEPTOR STRUCTURE, MINIMUM OF 4 MANHOLES REQUIRED, ONE MANHOLE PLACED OVER EACH PIPE (INLET, MIDDLE, AND OUTLET) AND AT THE CENTER OF THE FIRST CHAMBER.
- * INVERT ELEVATION SHALL BE AS SHALLOW AS POSSIBLE, NOT DEEPER THAN 4' FROM FINISH SURFACE ELEVATION.

EDGEMONT COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: NOVEMBER, 2022

APPROVED BY: 
Sinnaro Yos, P.E. 68607

GRAVITY SEPARATOR
2000 GAL. TO 3000 GAL.

ALBERT A. WEBB ASSOCIATES
CONSULTING ENGINEERS

RIVERSIDE

CALIFORNIA

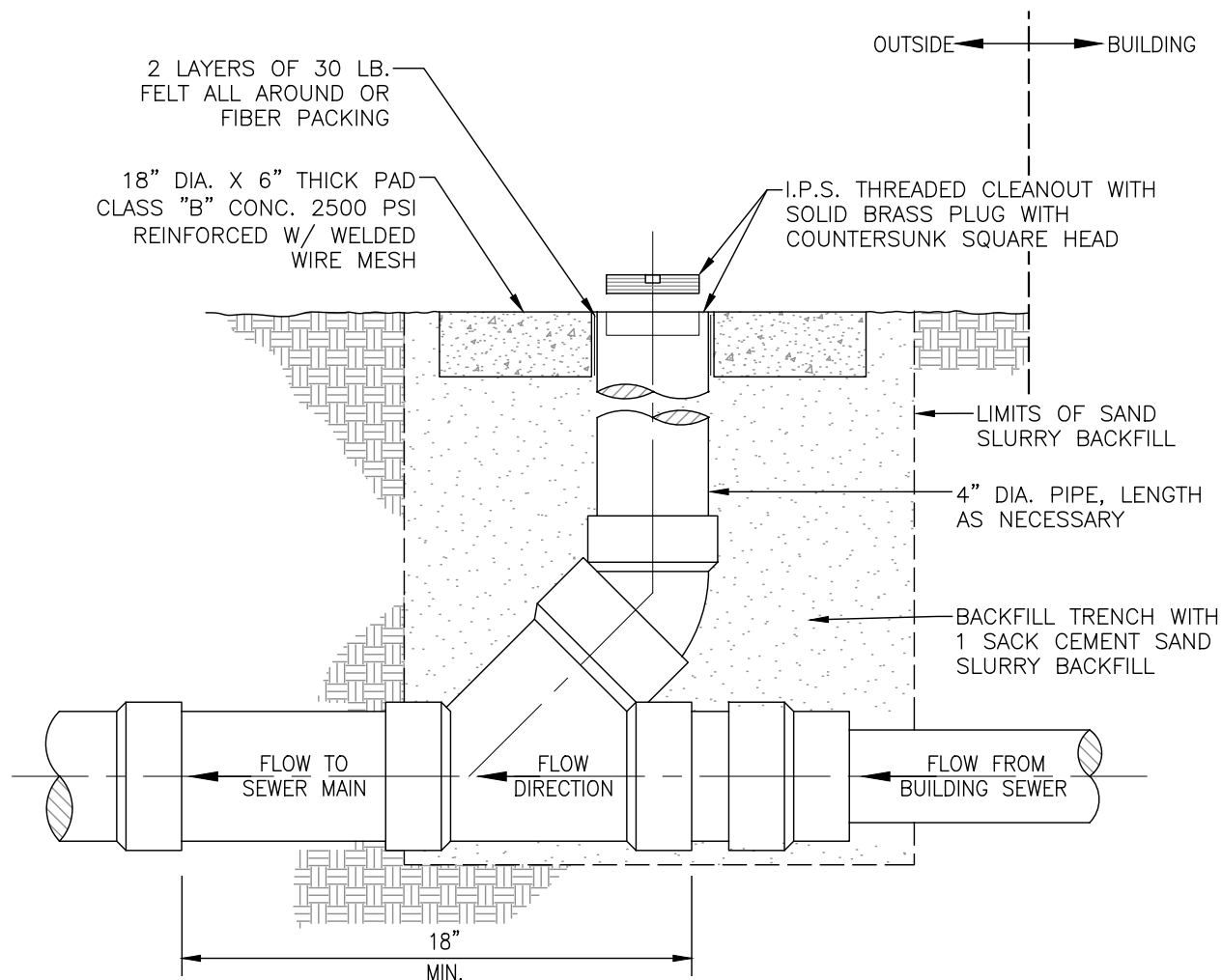
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S-12

SHEET 2 OF 2

W.O. 21-0230

REV.



NOTES:

1. BARREL DIAMETER OF SAMPLING WYE SHALL BE A MINIMUM OF 2" LARGER THAN BUILDING DISCHARGE LINE.
2. DIAMETER OF RISER PIPE SHALL BE 4".
3. THE LOCATION OF THE SAMPLING WYE MUST BE ACCESSIBLE AT ALL TIMES TO DISTRICT PERSONNEL.
4. THE SAMPLING WYE SHALL NOT BE LOCATED IN TRAFFIC AREAS.
5. ALL MATERIALS UTILIZED SHALL CONFORM TO DISTRICT STANDARDS.

EDGEMONT COMMUNITY SERVICES DISTRICT

SCALE: NONE

DATE: NOVEMBER, 2022

SEWER SAMPLING WYE DETAIL

DRAWING NO.

S-13

REV.

APPROVED BY:

Sinnaro Yos
Sinnaro Yos, P.E. 68607

ALBERT A. WEBB ASSOCIATES
CONSULTING ENGINEERS

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