

DRAWING INDEX

SHT NO.	DWG NO.	DRAWING TITLE
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DRAWING NUMBERING SYSTEM

1. THE DRAWINGS ARE SUBDIVIDED INTO BROAD TRADE SECTIONS AND HAVE THE FOLLOWING PREFIXES TO THEIR NUMBERS ACCORDING TO CATEGORY AND ARE BOUND IN THE FOLLOWING ORDER.
- G

C

E

I

GENERAL

CIVIL

ELECTRICAL

INSTRUMENTATION

STANDARD ABBREVIATIONS

ABND	ABANDONED
AC	ASPHALT CONCRETE
APPROX	APPROXIMATE(LY)
ARV	AIR RELEASE VALVE
AVG	AVERAGE
BF	BLIND FLANGE
BFP	BACK FLOW PREVENTER
BLDG	BUILDING
BOT	BOTTOM
BUV	BUTTERFLY VALVE
BV	BALL VALVE
CONC	CONCRETE
CPLG	COUPLING
CV	CHECK VALVE
DI	DROP INLET
DIP	DUCTILE IRON PIPE
DISCH	DISCHARGE
DWG	DRAWING
EA	EACH
EFL	EFFLUENT
EL	ELEVATION
EG	EXISTING GRADE
ELB	ELBOW
ELEC	ELECTRIC(AL)
EMER	EMERGENCY
EP	EDGE OF PAVEMENT
EQPT	EQUIPMENT
FA	FOUL AIR
FC	FLEXIBLE COUPLING
FCA	FLANGED COUPLING ADAPTER
FM	FORCE MAIN, FLOW METER
FG	FINISH GRADE
FT	FEET, FOOT
GENL	GENERAL
GLV	GLOBE VALVE
GPM	GALLONS PER MINUTE
GR	GRADE
GTV	GATE VALVE
GTV & B	GATE VALVE AND VALVE BOX
HGLV	HOSE GLOBE VALVE
HGV	HOSE GATE VALVE
HP	HORSEPOWER, HIGH PRESSURE, HIGH POINT
HV	HOSE VALVE, HOSE BIBB
HWL	HIGH WATER LEVEL
IE	INVERT ELEVATION
IN	INCH
LBS	POUNDS
LWL	LOW WATER LEVEL
MH	MANHOLE
MNL	MANUAL
NC	NORMALLY CLOSED
NRS	NON-RISING STEM
PCV	PLASTIC CHECK VALVE
PK	PEAK
POC	POINT OF CONNECTION
PV	PLUG VALVE
PVT	PAVEMENT
QCPLG	QUICK COUPLING
RED	REDUCER
RMV	REMOVE
SARV	SEWAGE AIR RELEASE VALVE
SCHED	SCHEDULE
SCV	SPLIT CHECK VALVE
SECT	SECTION
SFM	SEWAGE FORCE MAIN
SG	SLUICE GATE
SLG	SLIDE GATE
SPEC	SPECIFICATIONS
TDH	TOTAL DYNAMIC HEAD
TYP	TYPICAL
UGND	UNDERGROUND
V	VALVE, VENT, VOLTS

NOTE:
NOT ALL ABBREVIATIONS APPEARING ON THIS
SHEET ARE USED ON THESE DOCUMENTS.

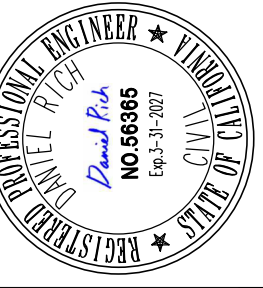
BAR IS ONE INCH
AT FULL SCALE

APR'L	REVISIONS	DATE

NEXGEN UTILITY MANAGEMENT

4010 LENNANE DRIVE
SACRAMENTO, CA 95834
916.564.8000





City of Colusa

2026 WILL S. GREEN AVENUE
PUMP STATION PROJECT

Colusa County, California

INDEX OF DRAWINGS AND
STANDARD ABBREVIATIONS

DATE:	17/08/2026
SCALE:	NONE
DRAWN BY:	JA
DESIGNED BY:	JD
CHECKED BY:	JD

JOB NO: 63.102.C

DRAWING NO:
G002

A

M101

SECTION IDENTIFICATION LETTER

A

M104

SECTION IDENTIFICATION LETTER

1

M101

SECTION IDENTIFICATION LETTER

1

M101

SHEET OR DRAWING NUMBER WHERE SECTION IS TAKEN

1

M101

SHEET OR DRAWING NUMBER WHERE SECTION IS TAKEN

1

M101

SHEET OR DRAWING NUMBER WHERE SECTION IS TAKEN

NEW FACILITIES

EXISTING FACILITIES

FUTURE FACILITIES AND UTILITIES

NEW FENCE

NEW PIPING

NEW PIPING HIDDEN

EXISTING PIPING

0.0

0.0

NEW SPOT ELEVATION

FLOW ARROW

NEW EMBANKMENT

EXISTING EMBANKMENT

NEW CONTOUR

EXISTING EXISTING

AIR VALVE

ANGLE VALVE

BALL VALVE

BALL CHECK VALVE

BACK-FLOW PREVENTER

BUTTERFLY VALVE

CHECK VALVE

DIAPHRAGM VALVE

GATE VALVE

GLOBE VALVE

SEAT SIDE

PLUG VALVE

PRESSURE REDUCING VALVE

PRESSURE RELIEF VALVE

SOLENOID VALVE

WAFER SWING CHECK VALVE

SPLIT DISK CHECK VALVE

UNION

REDUCER

STRAINER

CLEANOUT

PRESSURE GAUGE OR SWITCH

HOSE VALVE

FIRE OR WHARF HYDRANT

MECHANICAL JOINT OR BELL & SPIGOT FITTING

FLANGED FITTING

FLANGED COUPLING ADAPTER

FLEXIBLE COUPLING

GROOVED COUPLING

NEW CONCRETE

NEW AGGREGATE BASE

NEW NATIVE FILL

NEW AC PAVING

NEW HATCH

NEW GRATE

NEW RIP RAP

NEW COBBLE

ARV

AIR RELEASE VALVE

ASV

ANGLE STOP VALVE

AVV

AIR & VACUUM VALVE

BFV

BUTTERFLY VALVE

BV

BALL VALVE

CAV

COMBINATION AIR VALVE

CV

CHECK VALVE

DV

DIAPHRAGM VALVE

FCV

FLEXIBLE CHECK VALVE

FG

FLAP GATE

FH

FIRE HYDRANT

FSCV

FLEXIBLE SWING CHECK VALVE

GLV

GLOBE VALVE

GTV

GATE VALVE

NV

NEEDLE VALVE

PBV

PLASTIC BALL VALVE

PCHV

PINCH VALVE

PCV

PLASTIC CHECK VALVE

PH

POST HYDRANT

PRFV

PRESSURE RELIEF VALVE

PRV

PRESSURE REGULATING (REDUCING) VALVE

PV

PLUG VALVE

RV

RELIEF VALVE

SARV

SEWAGE AIR RELEASE VALVE

SAVV

SEWAGE AIR VACUUM VALVE

SCAV

SEWAGE COMBINATION AIR VALVE

SCV

SPLIT DISC CHECK VALVE

SG

SLUICE GATE

SLG

SLIDE GATE

SOLV

SOLENOID VALVE

SP

SLIDE PLATE

VB

VACCUM BREAKER

WSCV

WAFER SWING CHECK VALVE

ADPTR

ADAPTER

BF

BLIND FLANGE

BO

BLOWOFF

CO

CLEANOUT

CONN

CONNECTION

COTG

CLEANOUT TO GRADE

CPLG

COUPLING

CREJ

CORRUGATED RUBBER EXPANSION JOINT

ECC

ECCENTRIC

ELB

ELBOW

FC

FLEXIBLE COUPLING

FCA

FLEXIBLE COUPLING ADAPTER

FD

FLOOR DRAIN

FLG

FLANGE(D)

FM

FORCE MAIN

GC

GROOVED COUPLING

GSKT

GASKET

HGR

HANGER

MH

MANHOLE

MJ

MECHANICAL JOINT

PG

PRESSURE GAUGE

PS

PIPE SUPPORT

QCPLG

QUIK COUPLING

RAD

RADIUS

RED

REDUCER

UN

UNION

VB

VALVE BOX

DRAWING NUMBERING SYSTEM

THE DRAWINGS ARE SUBDIVIDED INTO BROAD TRADE SECTIONS AND HAVE THE FOLLOWING PREFIXES TO THEIR NUMBERS ACCORDING TO CATEGORY AND ARE BOUND IN THE FOLLOWING ORDER.

G

GENERAL

C

CIVIL

S

STRUCTURAL

M

MECHANICAL

E

ELECTRICAL

I

INSTRUMENTATION

THE DRAWINGS WITHIN THIS SET ARE NUMBERED PER THE FOLLOWING EXAMPLE:

M

3

2

1

DRAWING NUMERICAL SEQUENCE

SUB AREA

MAJOR AREA

TRADE

PIPING IDENTIFICATION SYSTEM

NEW OR RELOCATED

4" RAS

PIPING SYSTEM ABBREVIATION

PIPE SIZE

EXISTING

4" RS

NOTE:

SEE PIPING SYSTEM ABBREVIATIONS THIS SHEET FOR PIPE SERVICE. SEE SPECIFICATION FOR PIPE MATERIAL. NOT SHOWN ON PLANS

PIPING SYSTEM ABBREVIATIONS

C

CULVERT

D

DRAIN

RS

RAW SEWAGE

RW

RECYCLED WATER

SD

STORM DRAIN

SS

SANITARY SEWER

V

VENT

WN

NON-POTABLE WATER

WP

POTABLE WATER

BAR IS ONE INCH
AT FULL SCALE

APR'L

REVISIONS

DATE

Δ

1

1

1

1

1

NEXGEN UTILITY MANAGEMENT

4010 LENNANE DRIVE
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916.564.8000

NEXGEN

PROFESSIONAL ENGINEER

STATE OF CALIFORNIA

NO. 8885

EXP. 12-31-2027

SEAL

City of Colusa

2026 WILL S. GREEN AVENUE
PUMP STATION PROJECT

Colusa County, California

ABBREVIATIONS, SYMBOLS
AND LEGEND

DATE: 17/08/2026

SCALE: NONE

DRAWN BY: JA

DESIGNED BY: JD

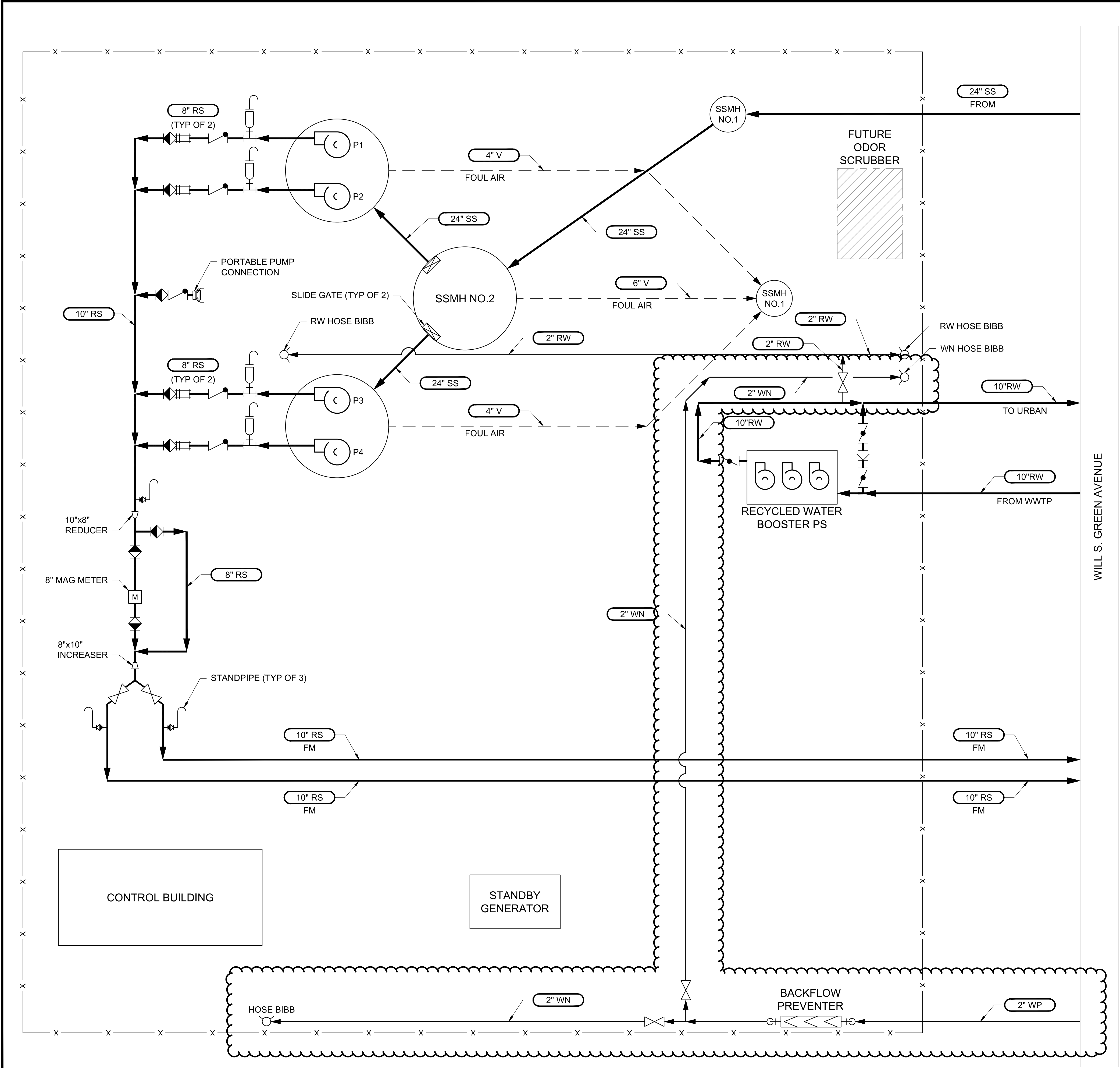
CHECKED BY: JD

JOB NO: 63.102.C

DRAWING NO:
G003

3 OF 45 SHEETS

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WILL S. GREEN AVENUE PUMP STATION		
	INITIAL	DESIGN
ADWF (GPM)	320	800
PEAK HOUR (GPM, RELIABLE CAPACITY)	690	2470
FLUSH FLOW (GPM)	735	1470
NUMBER OF PUMPS	4 (1 DUTY, 1 STANDBY, 2 REDUNDANT)	4 (2 DUTY, 2 STANDBY)
SIZE (HP, EACH PUMP)	10	25
CAPACITY (GPM, EACH PUMP)	735	1,230
FLUSH/PEAK HOUR TDH (FEET)	32	58
GENERATOR SIZE (KW)	80	250
FUEL TYPE (GAS)	DIESEL	DIESEL

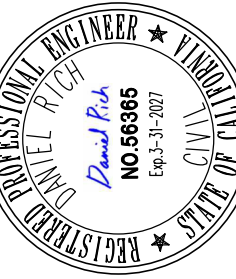
RECYCLED WATER BOOSTER STATION	
NUMBER OF PUMPS	4 (2 DUTY, 1 STANDBY, 1 JOCKEY)
DESIGN FLOW (GPM, 2 PUMPS)	1200
PRESSURE (PSI)	60

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APRVL	REVISIONS	DATE
	ADDENDUM 1 AS BUBBLED	8/19/2026

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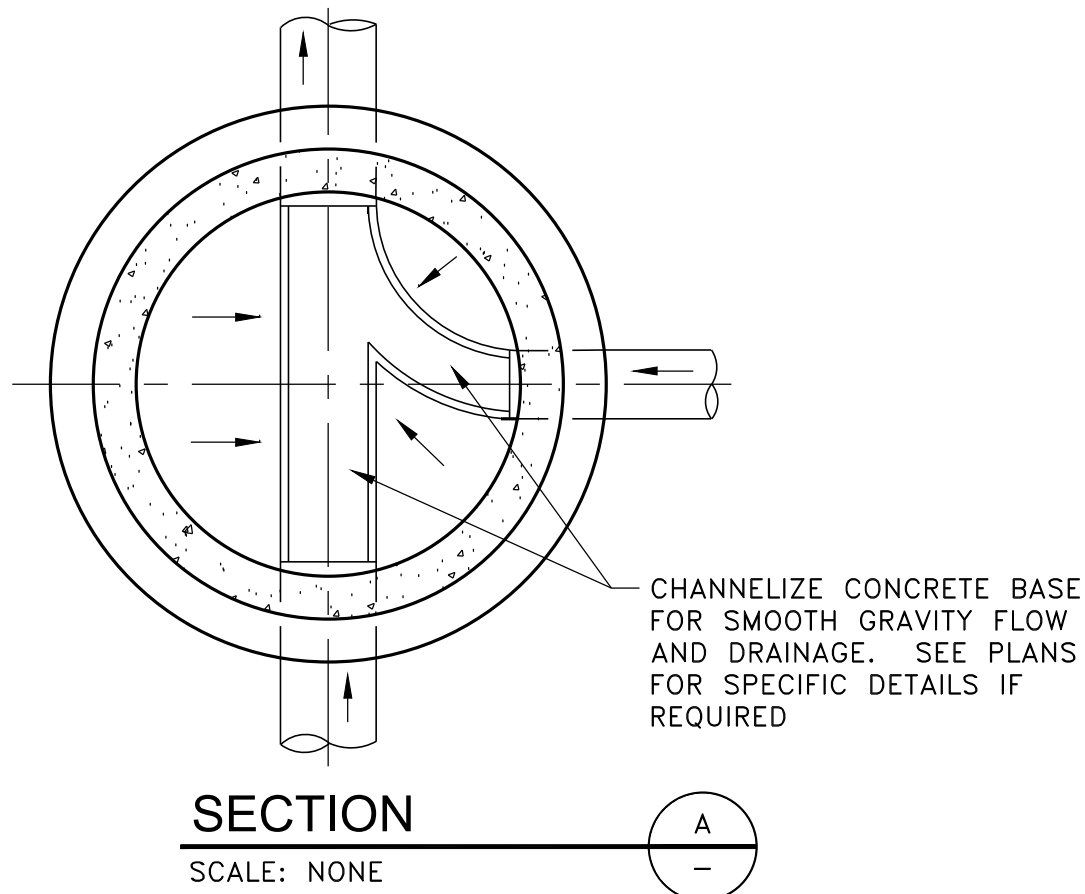
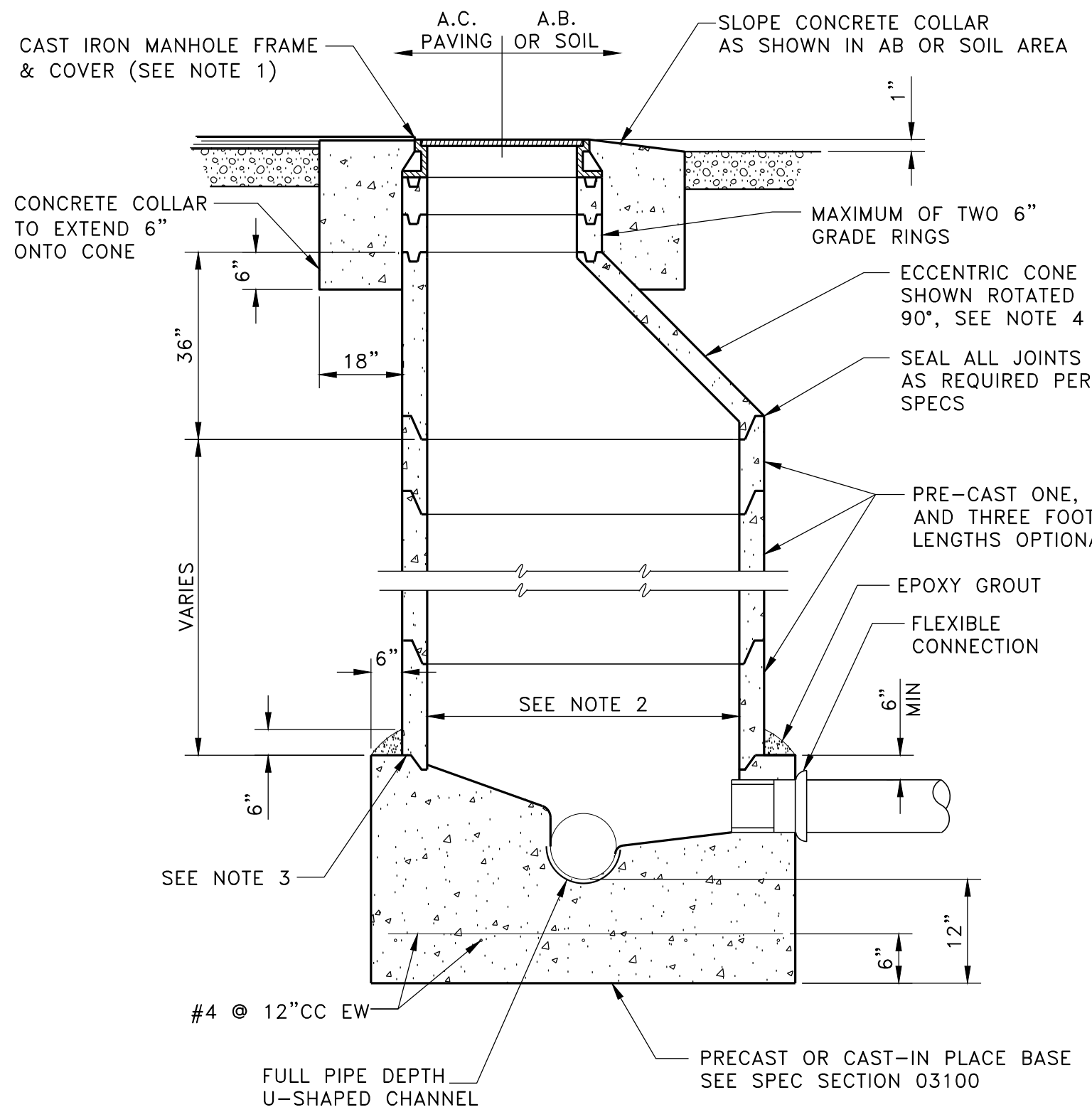
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City of Colusa
2026 WILL S. GREEN AVENUE
PUMP STATION PROJECT
Colusa County, California

PROCESS FLOW DIAGRAM
AND DESIGN CRITERIA

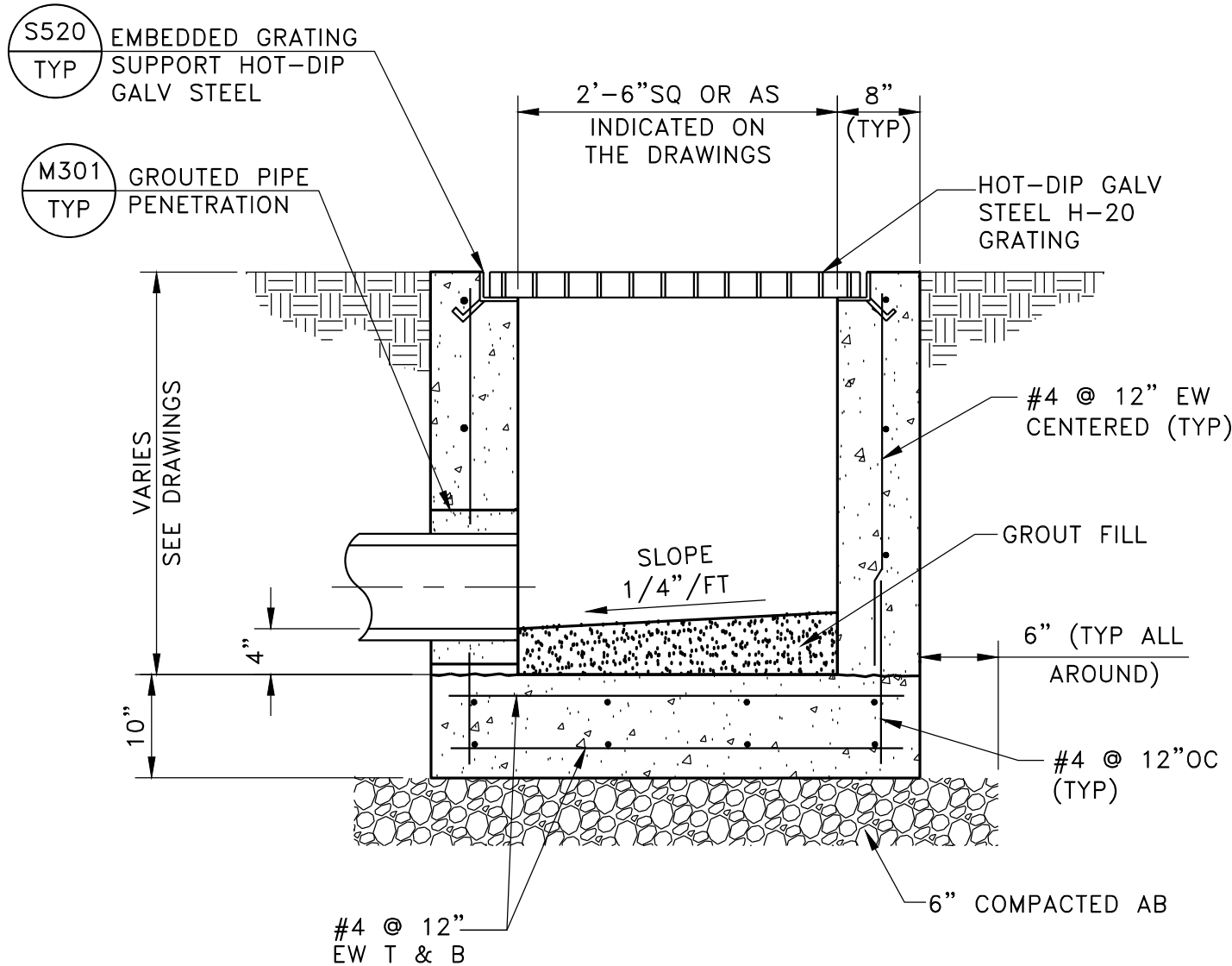
DATE:	17/08/2026
SCALE:	NONE
DRAWN BY:	JA
DESIGNED BY:	JD
CHECKED BY:	JD
JOB NO:	63.102.C
DRAWING NO:	G004



- NOTES:
- UNLESS OTHERWISE SPECIFIED, 24"Ø ON 48"Ø MANHOLE, 30"Ø ON 60"Ø MANHOLE CAST IRON MANHOLE FRAME & COVER TOP OF MANHOLE FRAME AND CONCRETE COLLAR TO BE SET 1/4" BELOW FINISHED AC SURFACE, CONCRETE SHALL BE CLASS A IN ACCORDANCE WITH THE SPECIFICATIONS SET FRAME AND COVER IN GROUT.
 - UNLESS NOTED OTHERWISE, 48"Ø FOR 6"-12", 60"Ø FOR 15"-36".
 - CONTRACTOR SHALL FORM GROOVE IN BASE WITH MANUFACTURER'S IMPRESSION RING.
 - LOCATE COVER OVER DOWNSTREAM SIDE OF MANHOLE UNLESS NOTED OTHERWISE.

MANHOLE
SCALE: NONE

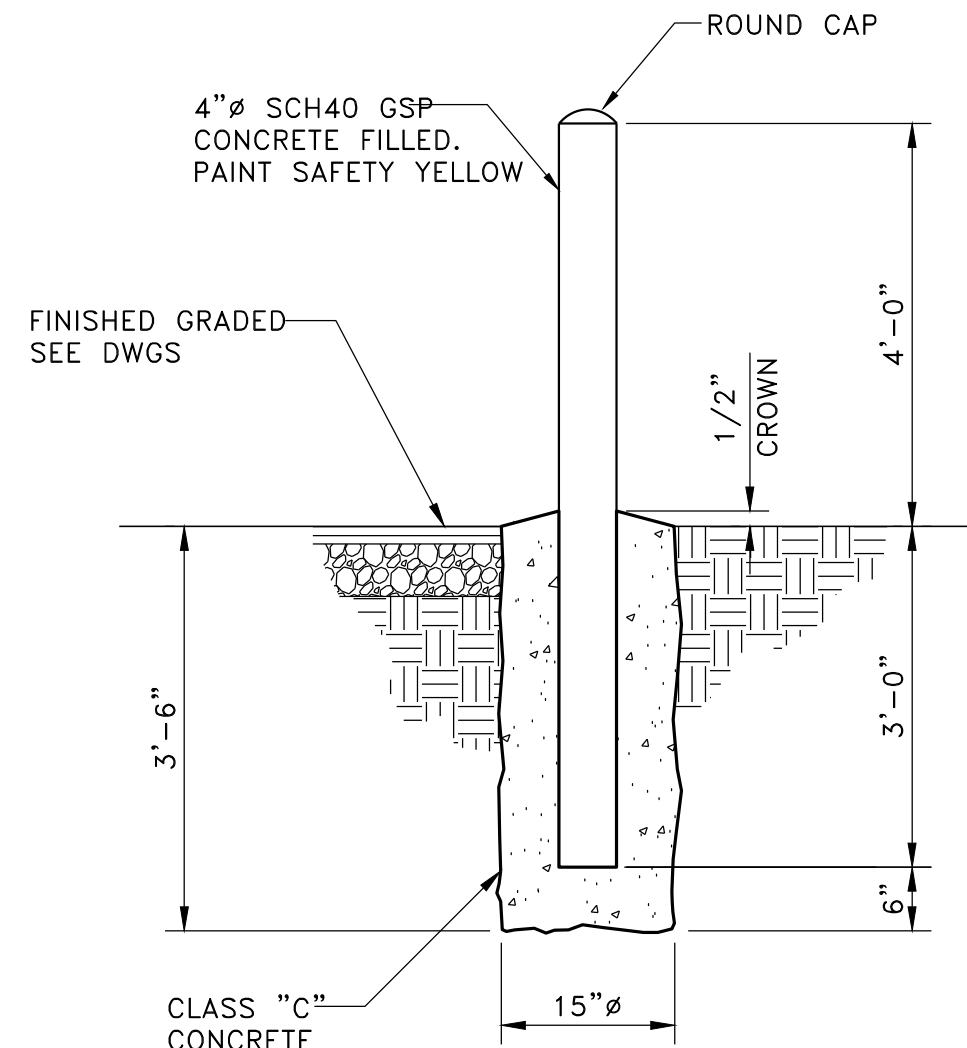
C101
TYP



- NOTES:
- TOP OF DROP INLET 1/4" BELOW FINISH GRADE UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
 - DROP INLET MAY BE PRECAST STRUCTURE WITH ENGINEERS APPROVAL.

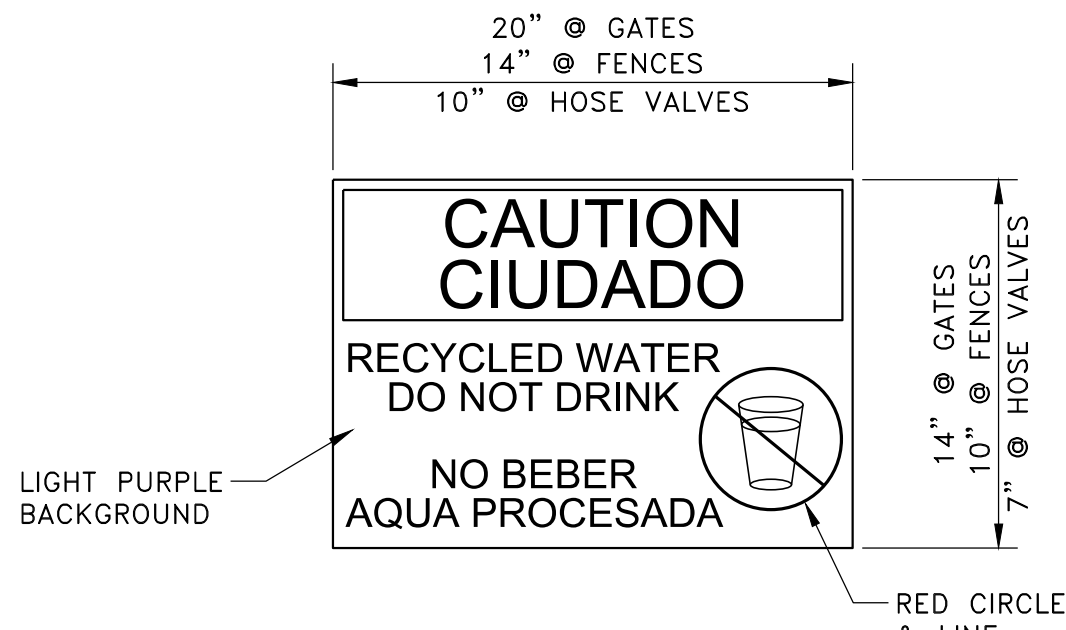
STANDARD DROP INLET
SCALE: NONE

C120
TYP



BARRIER POST
SCALE: NONE

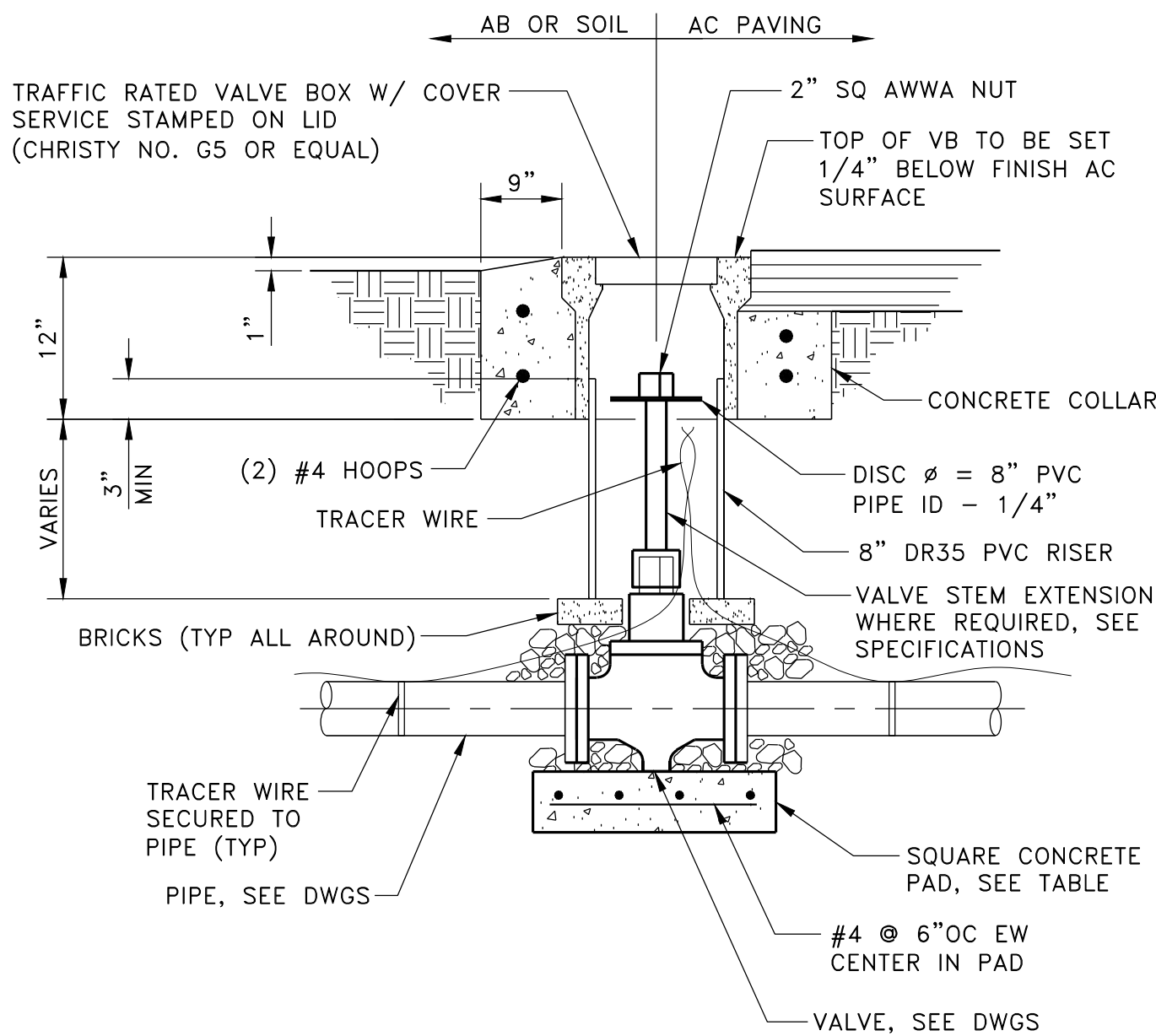
C200
TYP



- NOTE:
- INSTALL 20"x14" PLASTIC SIGNS (SETON OR EQUAL) ON ALL GATES
 - INSTALL 14"x10" PLASTIC SIGNS (SETON OR EQUAL) ON FENCES AT 300" INTERVALS ON PERIMETER FENCING AND 500" ON INTERIOR FENCING.
 - INSTALL 10"x 7" PLASTIC SIGN (SETON OR EQUAL) ON 1/8" THICK ALUMINUM BACKING PLATE AT HOSE VALVES. CORNERS ON BACKING LATE SHALL BE ROUNDED, 1/2" RADIUS.

NON-POTABLE WATER
WARNING SIGN
SCALE: NONE

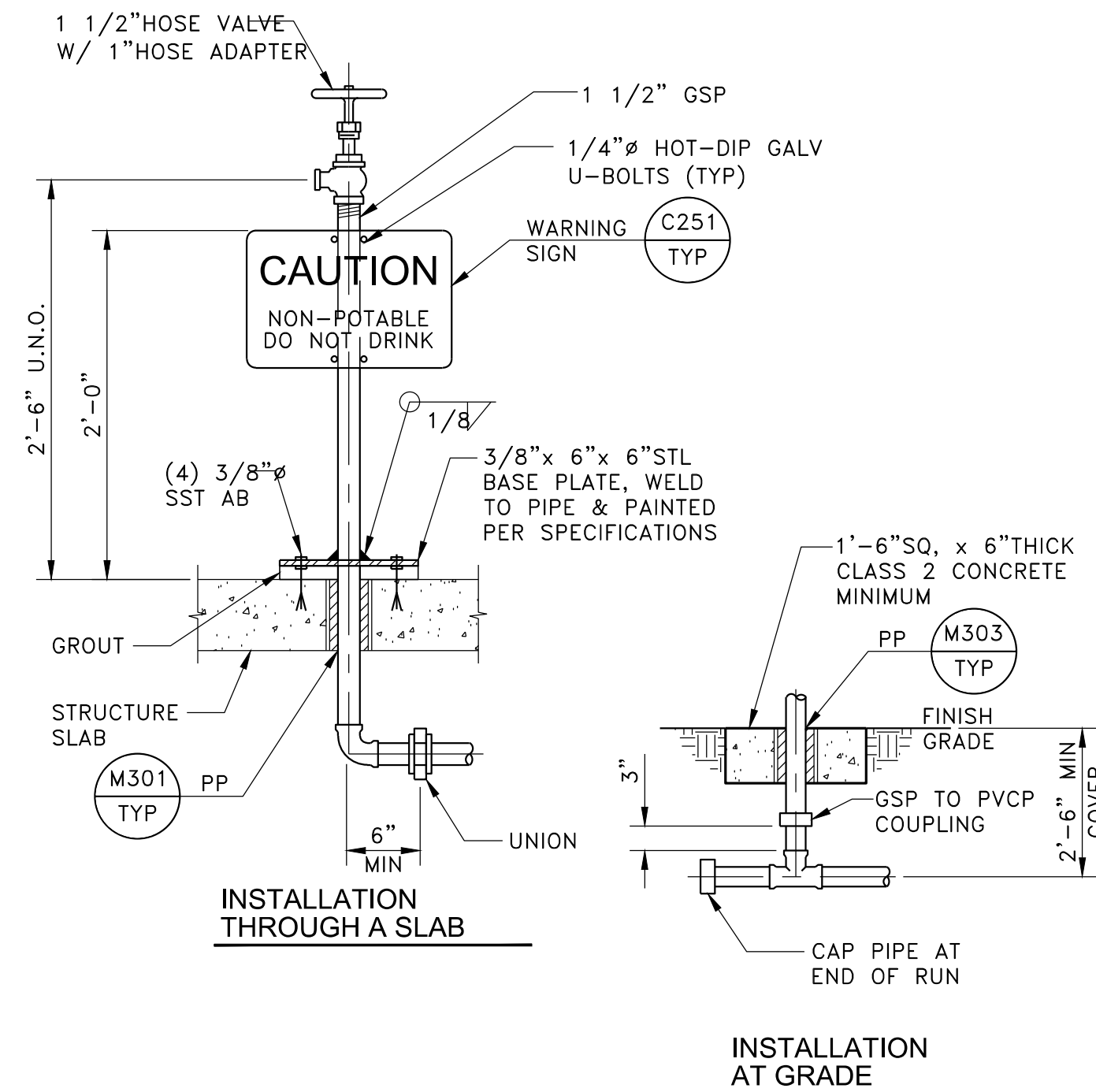
C251
TYP



CONCRETE PAD		
VALVE SIZE	PAD SIZE	PAD THICKNES S
3"-16"	24"	6"
18"-30"	36"	6"
36"-48"	48"	8"
54"-60"	60"	8"

TYPICAL BURIED VALVE
SCALE: NONE

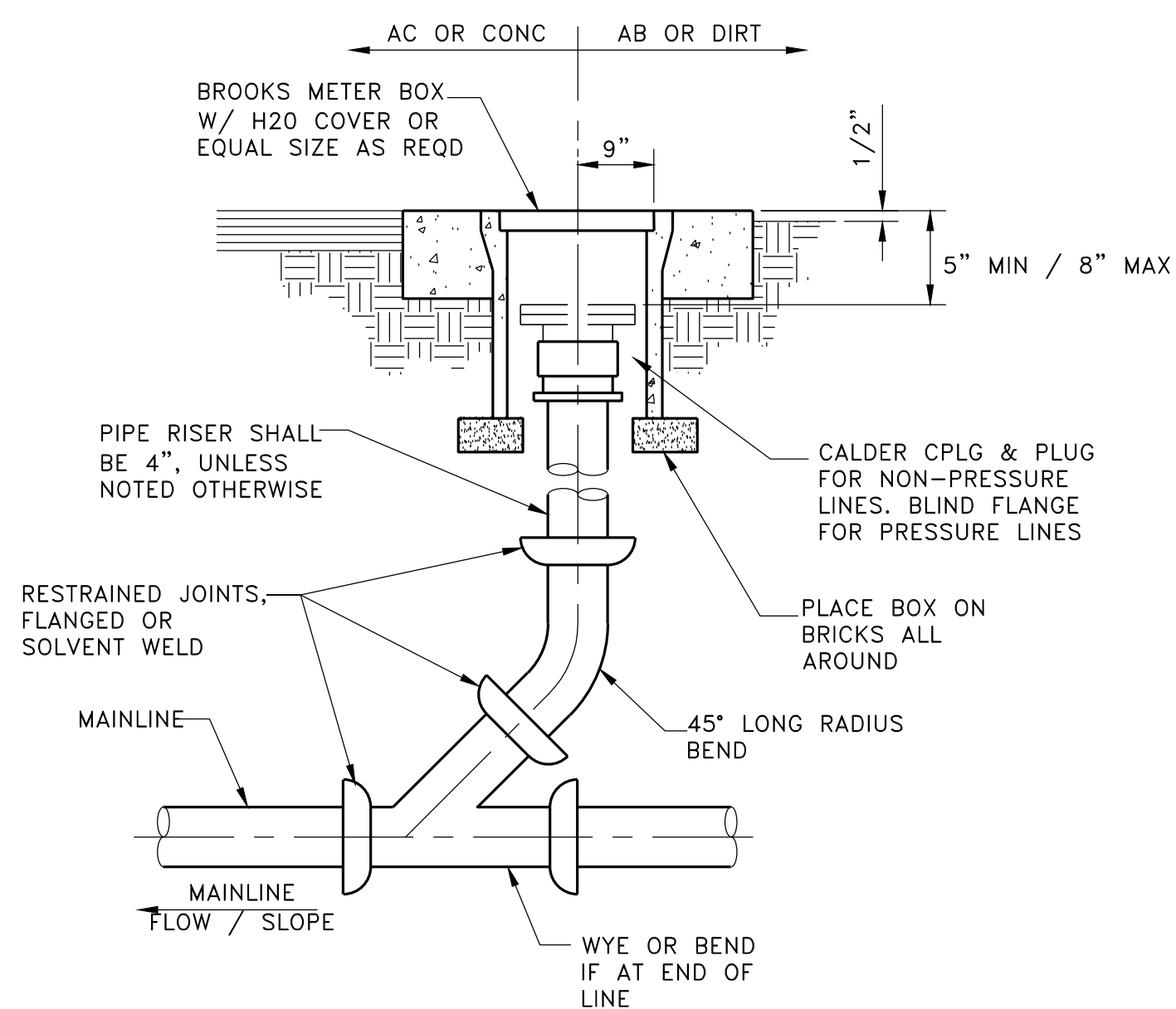
C500
TYP



- NOTES:
- HOSE VALVE AND SIGN SHALL BE MOUNTED TO PERMIT UNOBSTRUCTED VIEWING OF SIGN AND ACCESS TO VALVE.
 - INSTALL HOSE RACK PER TYPICAL DETAIL M630 AT EACH HOSE VALVE.
 - PAIN VALVE & EXPOSED PIPE PER SPECIFICATIONS AFTER INSTALLATION.

1-1/2" HOSE VALVE
NON-POTABLE WATER
SCALE: NONE

C520
TYP



CLEANOUT
SCALE: NONE

C550
TYP

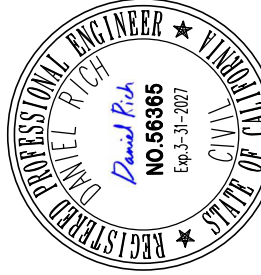
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DATE

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City of Colusa
2026 WILL S. GREEN AVENUE
PUMP STATION PROJECT
Colusa County, California

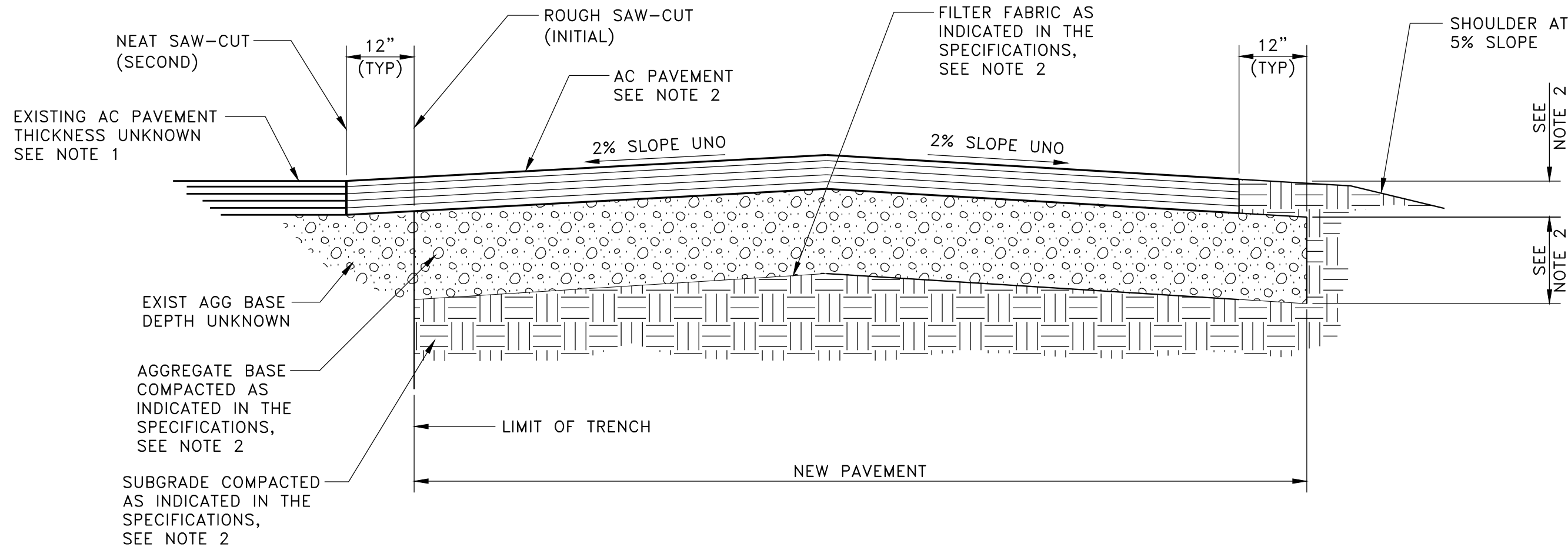
TYPICAL CIVIL DETAILS 1

DATE: 17/08/2026
SCALE: NONE
DRAWN BY: JA
DESIGNED BY: JD
CHECKED BY: JD

JOB NO: 63.102.C

DRAWING NO:
C001

5 OF 45 SHEETS

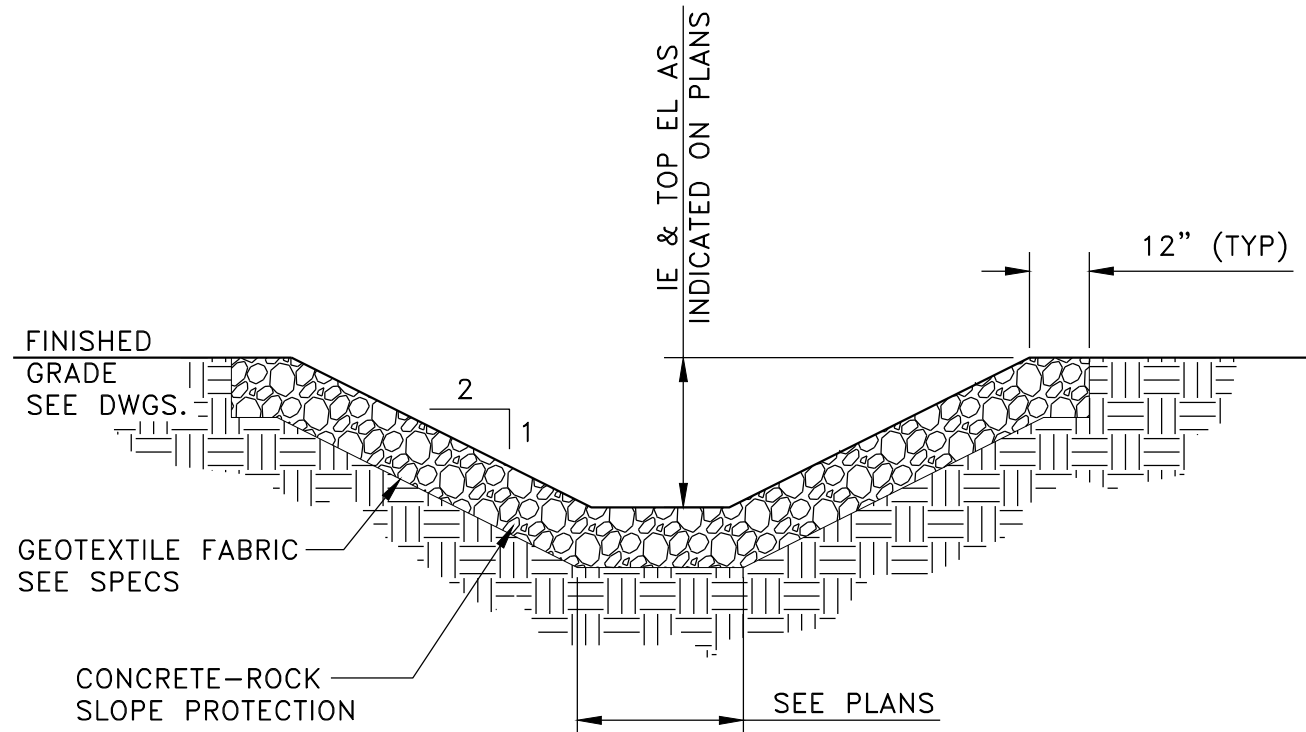


- NOTES:
1. FOG SEAL SHALL EXTEND 2'-0" ONTO EXISTING PAVEMENT.
 2. FOR THICKNESS OF NEW AB & AC AND COMPACTION REQUIREMENTS, SEE SPEC SECTION 02513.

ASPHALT CONCRETE ROADWAY

SCALE: NONE

C600
TYP

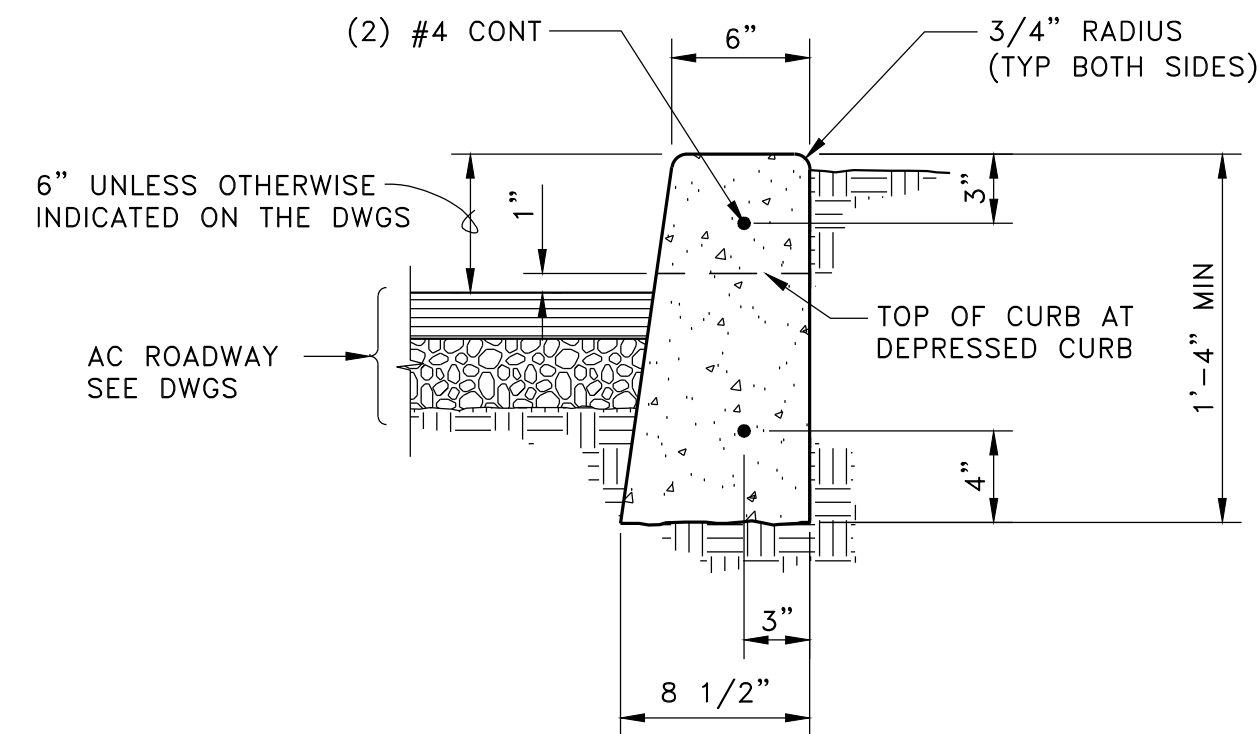


- NOTES:
1. CONCRETED-ROCK SLOPE PROTECTION PER CALTRANS STANDARDS SECTION 72 USING NON-ANGULAR CBBLE SIZED ROCK, 0-5% LARGER THAN 75 lb. AND 95-100% LARGE THAN 25 lb.
 2. THICKNESS 'T' SHALL BE NOT LESS THAN 1.5D, WHERE D IS THE NOMINAL ROCK DIAMETER.
 3. CAN SUBSTITUTE CONCRETE-ROCK SLOPE PROTECTION WITH GROUTED COBBLE PRODUCT, CALTRANS CLASS 3, ABOUT 6" DIAMETER.

COBBLE LINED CHANNEL

SCALE: NONE

C611
TYP

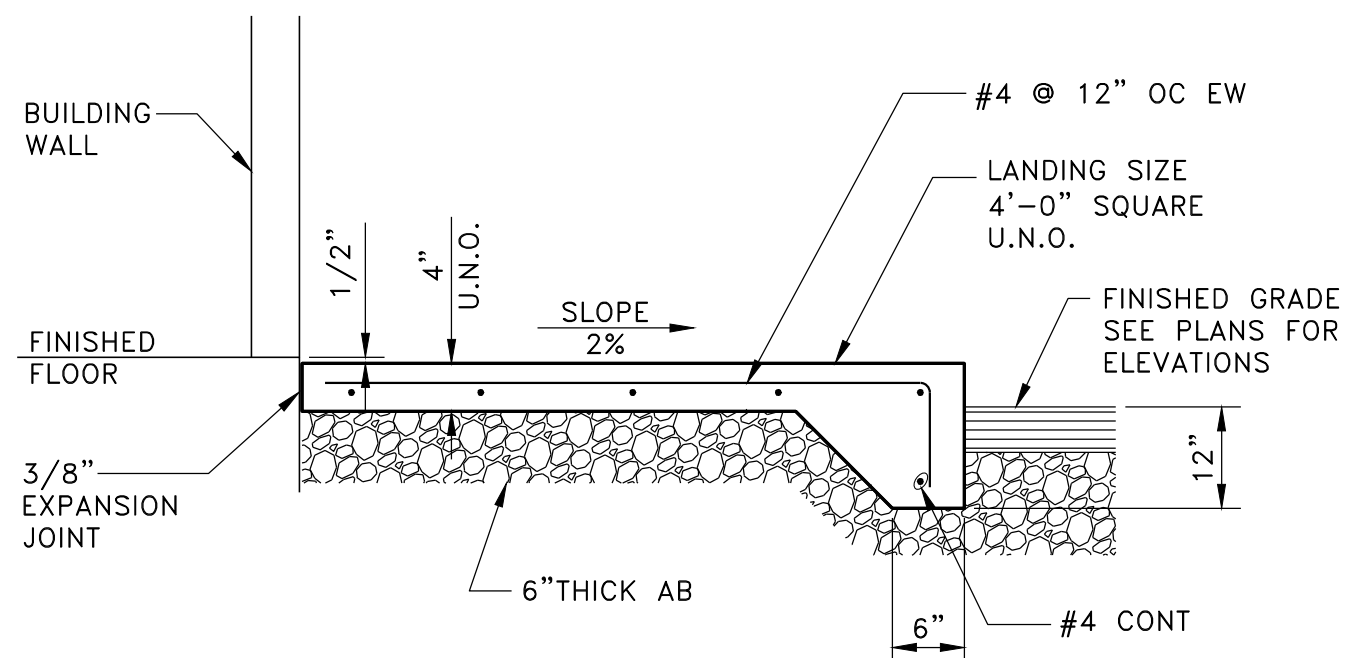


- NOTES:
1. CURB SHALL BE FINISHED ON TOP, 8" DOWN FRONT FACE, AND 2" DOWN BACK.
 2. EXPANSION JOINTS SHALL BE PLACED AT END OF CONCRETE PLACEMENT, AT POINTS OF CURVATURE, BOTH SIDES OF DRIVEWAYS AND WALKWAYS, CURB RETURNS, STRUCTURES, AND AT MAXIMUM DISTANCE OF 30 FEET. EXPANSION JOINTS SHALL BE 3/4" THICK W/ 1/4" RADIUS EDGES AT BOTH SIDES OF JOINT. USE BITUMINOUS EXPANSION JOINT MATERIAL.
 3. REINFORCING STEEL SHALL NOT PASS THROUGH EXPANSION JOINTS.
 4. 1" DEEP CONTROL JOINT W/ 1/2" RADIUS EDGES ON BOTH SIDES OF JOINT AT 15 FEET OC.
 5. CURB SHALL BE DEPRESSED FOR DRIVEWAYS, ROADWAYS, SIDEWALKS FOR HANDICAPPED ACCESS AND WHERE INDICATED ON THE DRAWINGS.

CONCRETE CURB

SCALE: NONE

C630
TYP



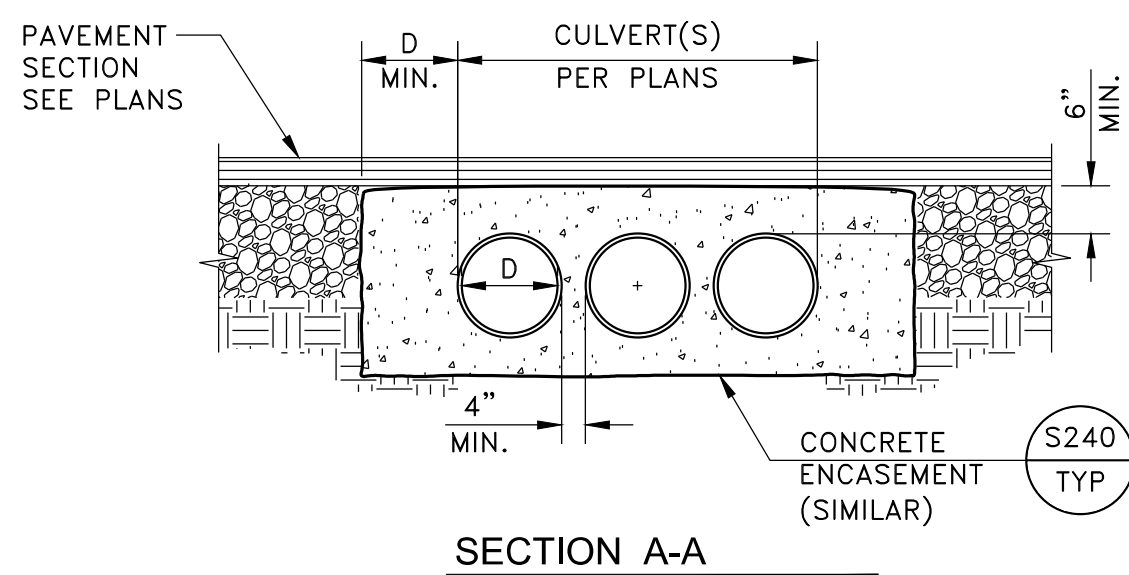
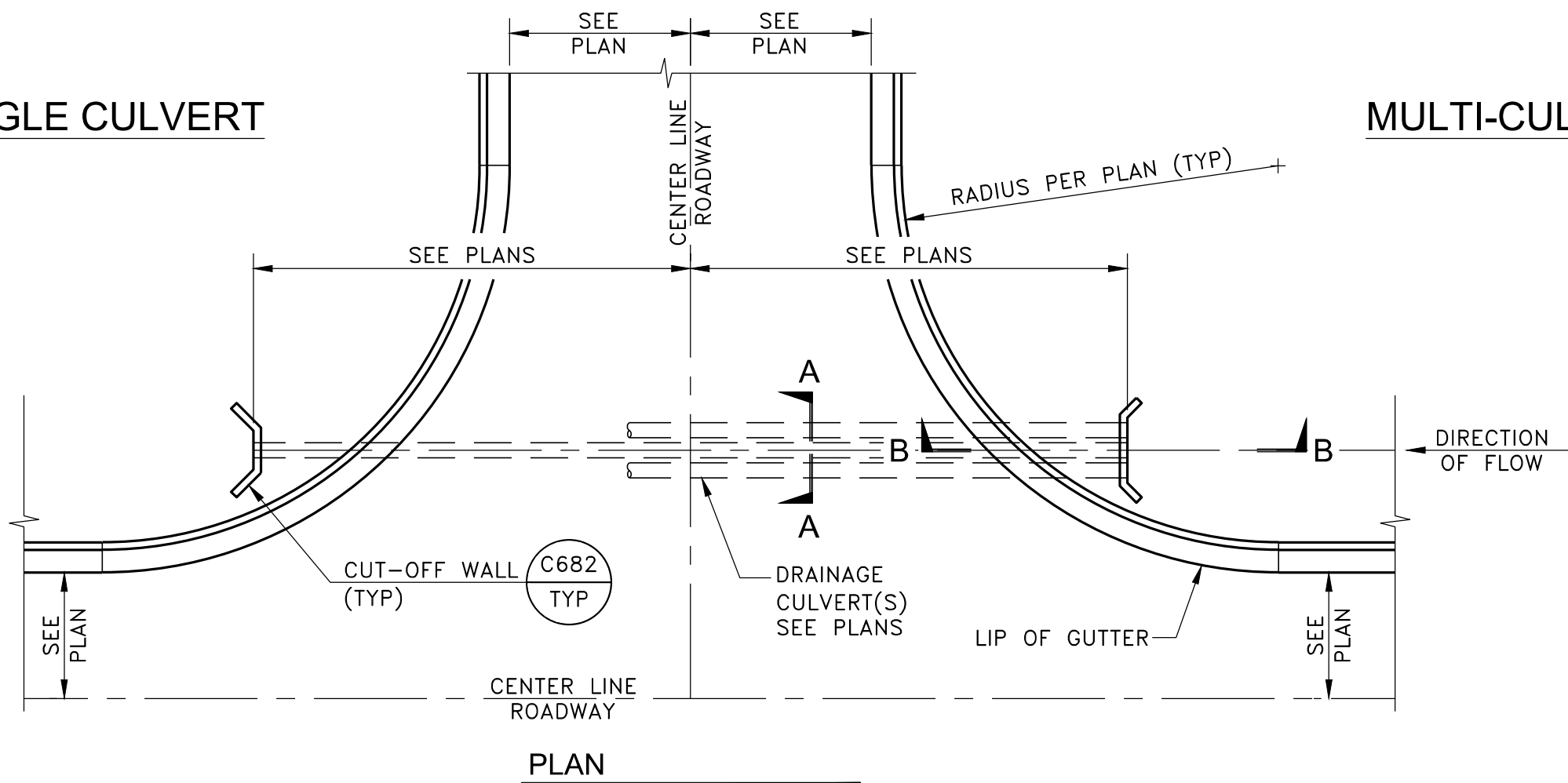
TYPICAL CONCRETE LANDING

SCALE: NONE

C650
TYP

SINGLE CULVERT

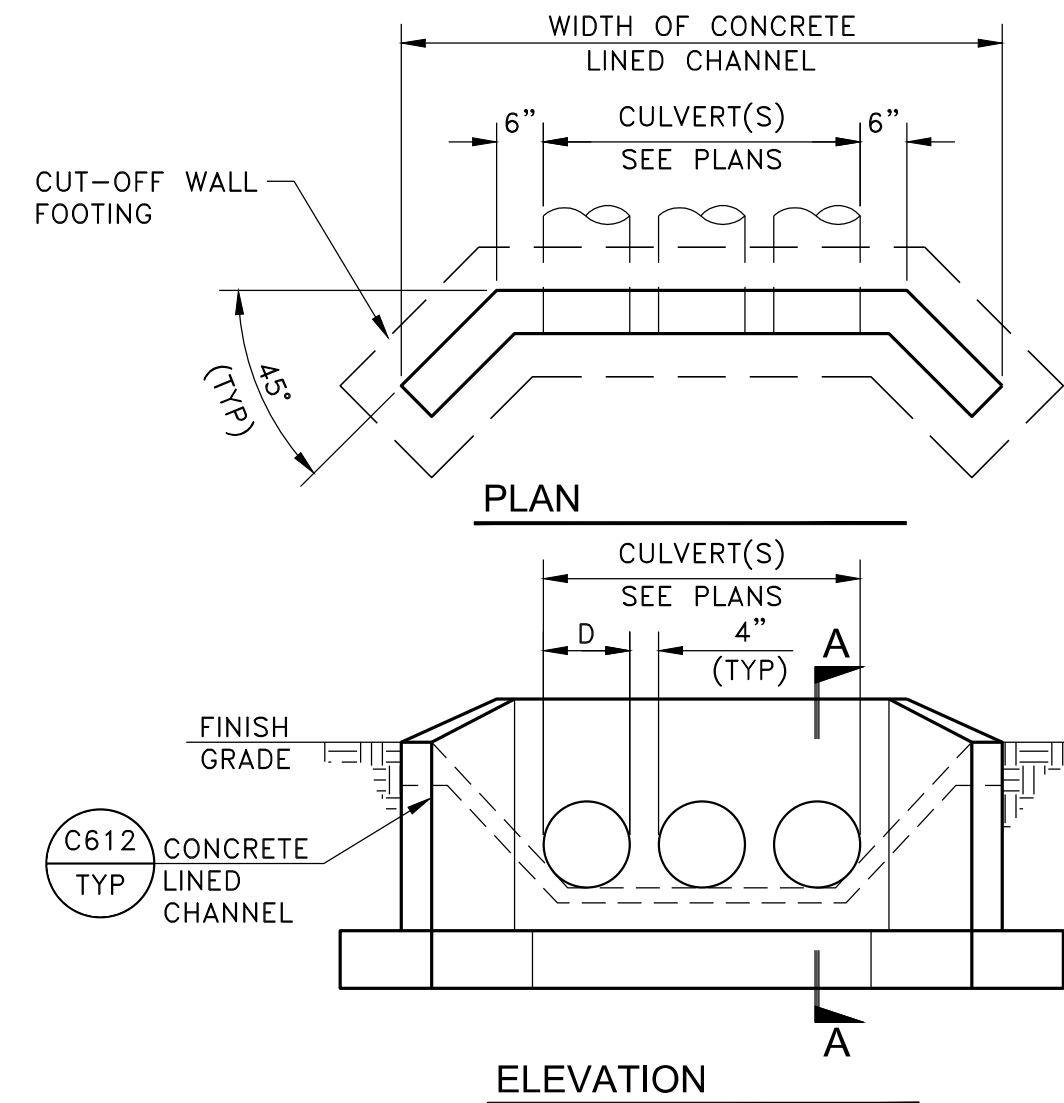
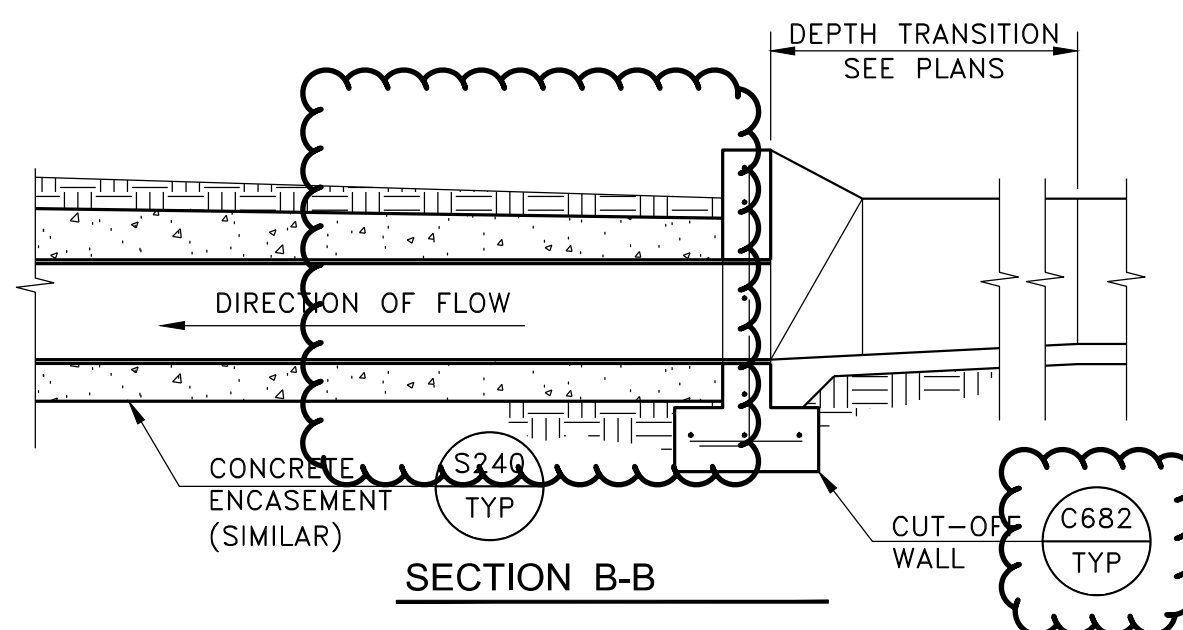
MULTI-CULVERT



CULVERT CROSSING PERPENDICULAR

SCALE: NONE

C680
TYP



CULVERT CUT-OFF WALL

SCALE: NONE

C682
TYP

BAR IS ONE INCH
AT FULL SCALE

APRVL

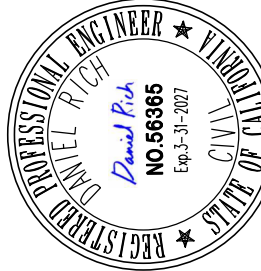
REVISIONS

DATE

8/19/2026

NEXGEN UTILITY MANAGEMENT

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SACRAMENTO, CA 95834
916.564.8000



City of Colusa
2026 WILL S. GREEN AVENUE
PUMP STATION PROJECT
Colusa County, California

TYPICAL CIVIL DETAILS 2

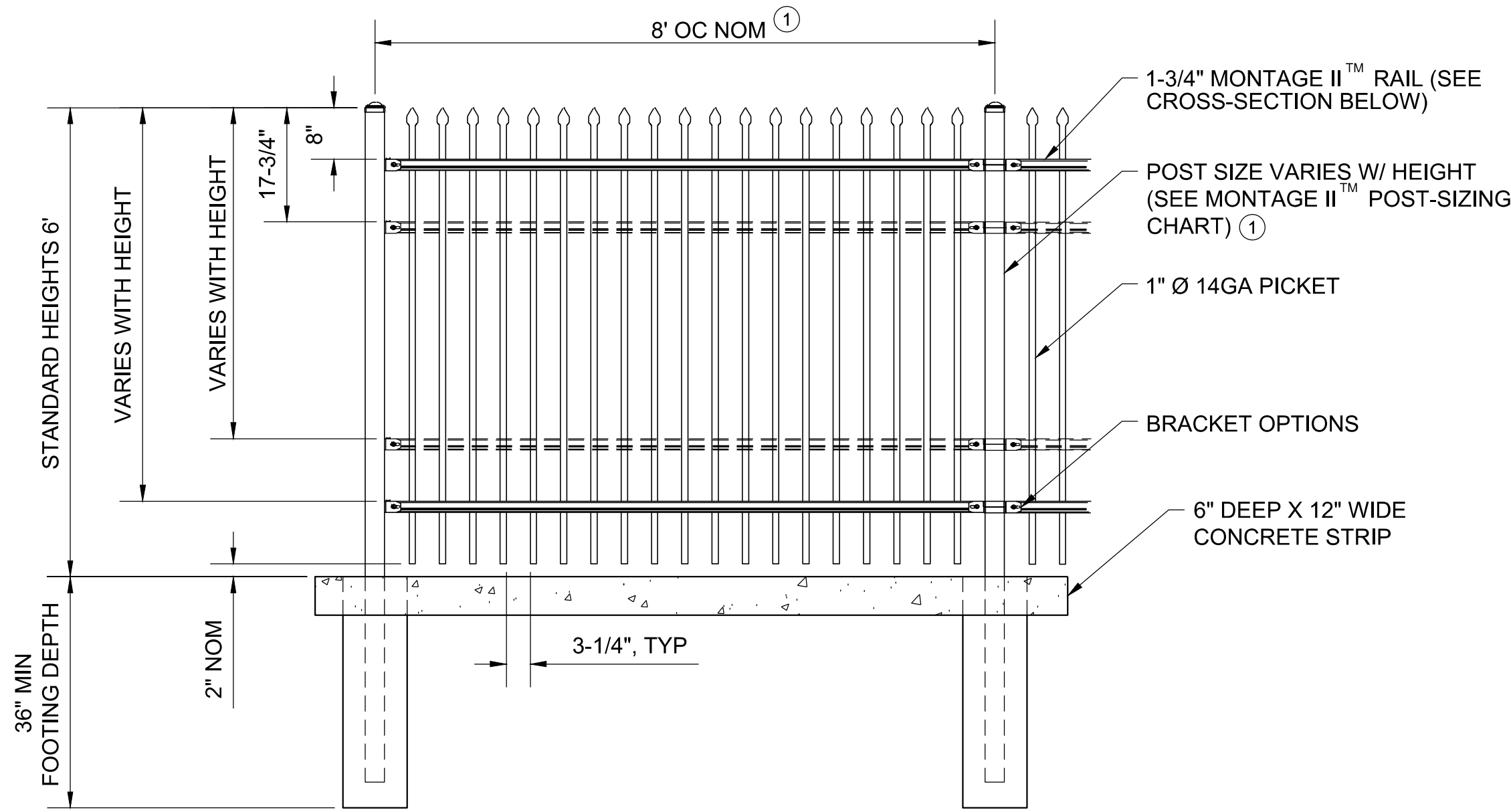
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DRAWN BY: JA
DESIGNED BY: JD
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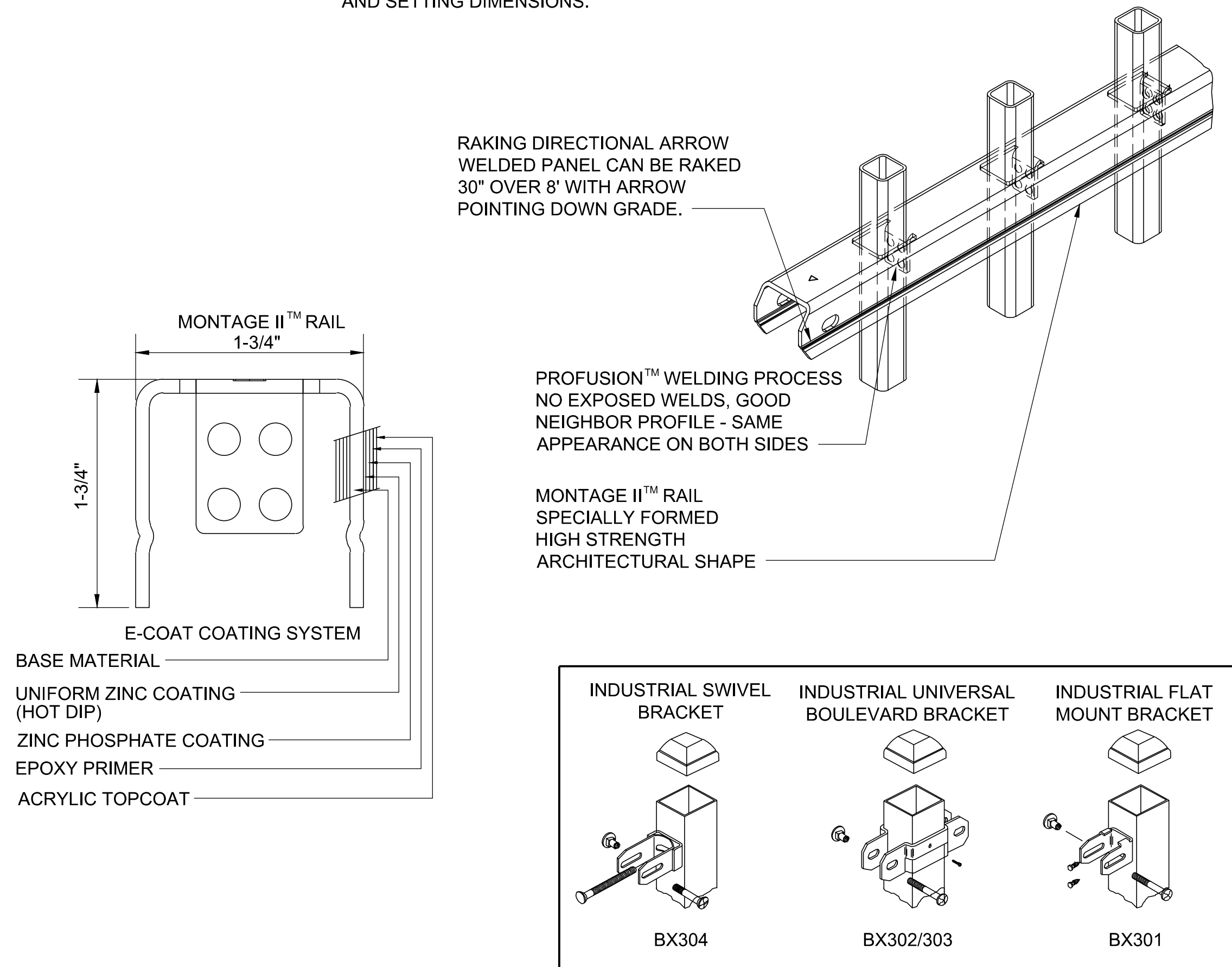
C002

6 OF 45 SHEETS



NOTES:

1. POST SIZE DEPENDS ON FENCE HEIGHT AND WIND LOADS. SEE MONTAGE II™ SPECIFICATIONS FOR POST SIZING CHART AND SETTING DIMENSIONS.



NOTES:

1. TRENCH SHIELD SHALL NOT DISTURB BEDDING BELOW TOP OF PIPE, TRENCH SHALL BE "BENCHED" FOR SHIELD.
2. TO BE USED WHERE TRENCH BOTTOMS ARE DISTURBED BY CONTRACTOR'S TRENCHING OR PIPE INSTALLATION PROCEDURES OR WHERE EXCAVATION OCCURS BELOW GROUND WATER TABLE.

TYPICAL PIPE TRENCH SECTION

SCALE: NONE

C301
TYP

STEEL FENCE DETAIL

SCALE: NONE

C212
TYP

STEEL SWING GATE DETAIL

SCALE: NONE

C213
TYP

BAR IS ONE INCH
AT FULL SCALE

APR'L

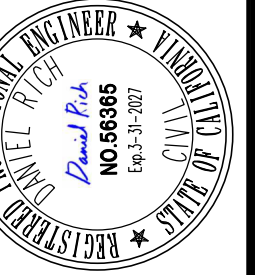
REVISIONS
ADDENDUM 1 AS
BUBBLED

DATE

8/19/2026

NEXGEN UTILITY MANAGEMENT

4010 LENNANE DRIVE
SACRAMENTO, CA 95834
916.564.8000



City of Colusa
2026 WILL S. GREEN AVENUE
PUMP STATION PROJECT
Colusa County, California

TYPICAL CIVIL DETAILS 3

DATE: 17/08/2026

SCALE: NONE

DRAWN BY: JA

DESIGNED BY: JD

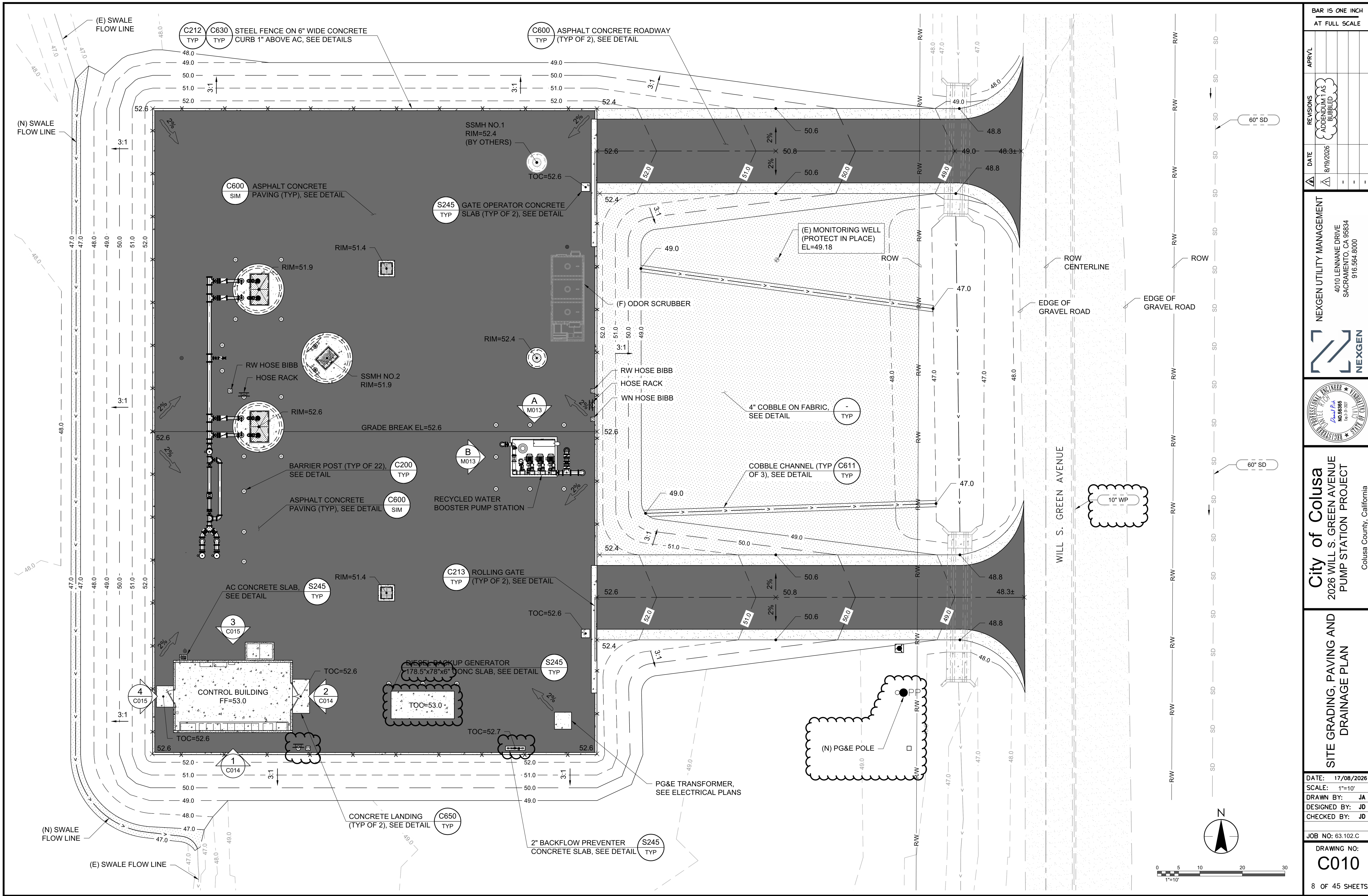
CHECKED BY: JD

JOB NO: 63.102.C

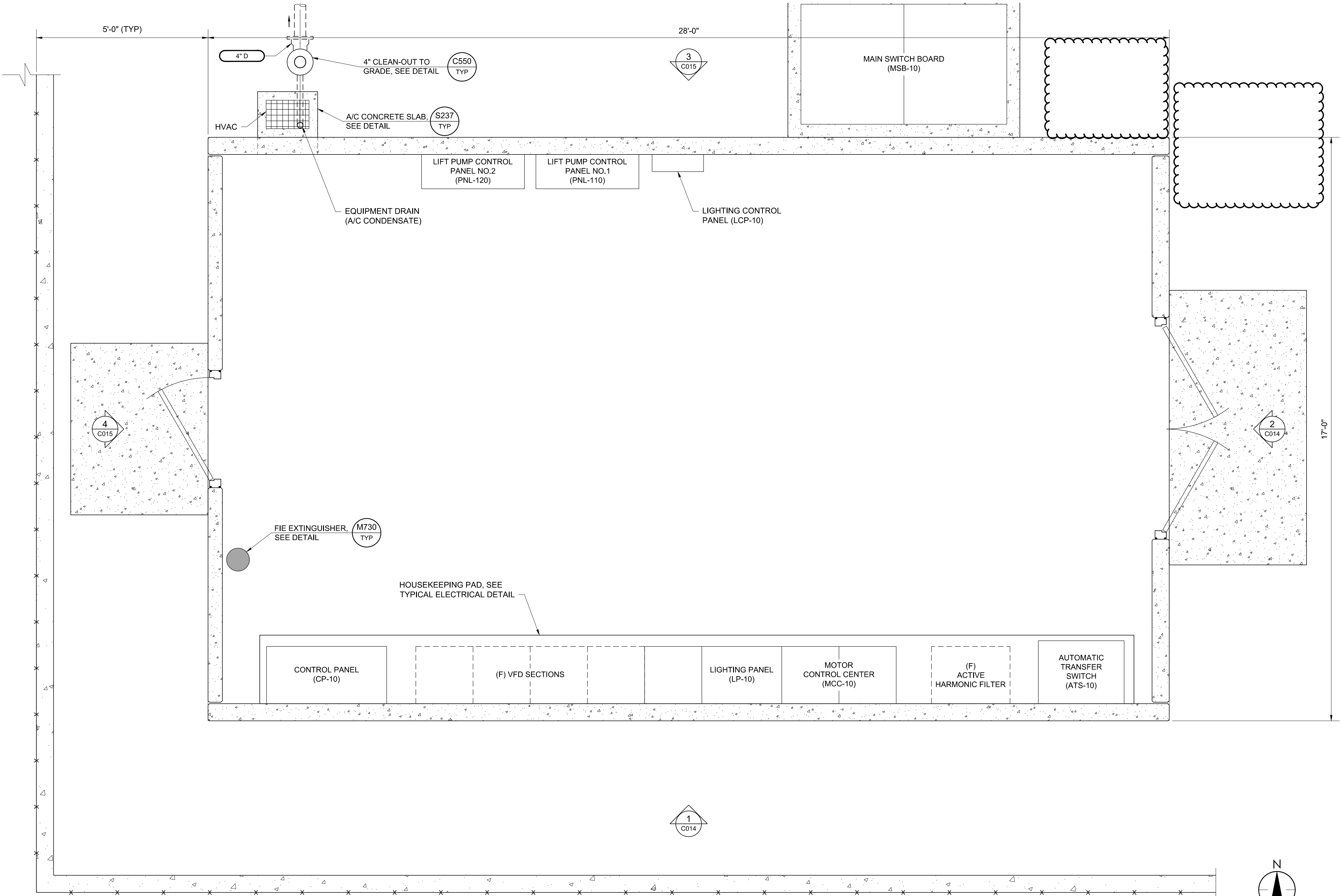
DRAWING NO:

C003

7 OF 45 SHEETS

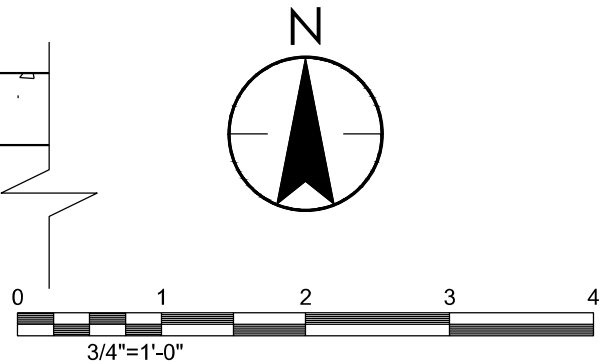


BAR IS ONE INCH AT FULL SCALE	
APR'L	REVISIONS
	ADDENDUM 1 AS BUBBLED
DATE	8/19/2026
NEXGEN UTILITY MANAGEMENT 4010 LENNANE DRIVE SACRAMENTO, CA 95834 916.564.8000	
City of Colusa 2026 WILL S. GREEN AVENUE PUMP STATION PROJECT Colusa County, California	
SITE GRADING, PAVING AND DRAINAGE PLAN	
DATE: 17/08/2026 SCALE: 1"=10' DRAWN BY: JA DESIGNED BY: JD CHECKED BY: JD	
JOB NO: 63.102.C	
DRAWING NO: C010	
8 OF 45 SHEETS	



PLAN

SCALE: 3/4"=1'-0"



BAR IS ONE INCH
AT FULL SCALE

APR'L					
REVISIONS	ADDENDUM 1 AS BUBBLED				
DATE	8/19/2026				

NEXGEN UTILITY MANAGEMENT

4010 LENNANE DRIVE
SACRAMENTO, CA 95834
916.564.8000

PROFESSIONAL ENGINEER

City of Colusa
2026 WILL S. GREEN AVENUE
PUMP STATION PROJECT
Colusa County, California

CONTROL BUILDING PLAN

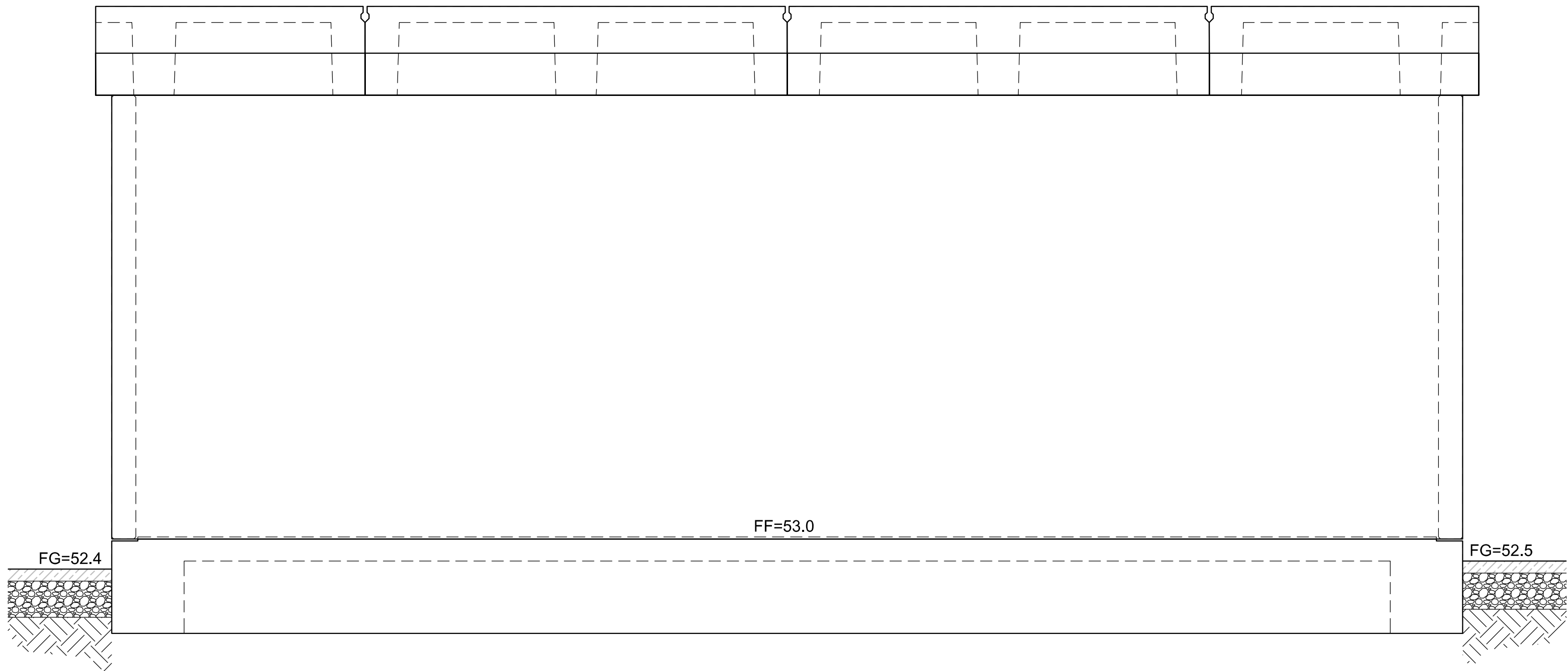
DATE: 17/08/2026
SCALE: 3/4"=1'-0"
DRAWN BY: JA
DESIGNED BY: JD
CHECKED BY: JD

JOB NO: 63.102.C

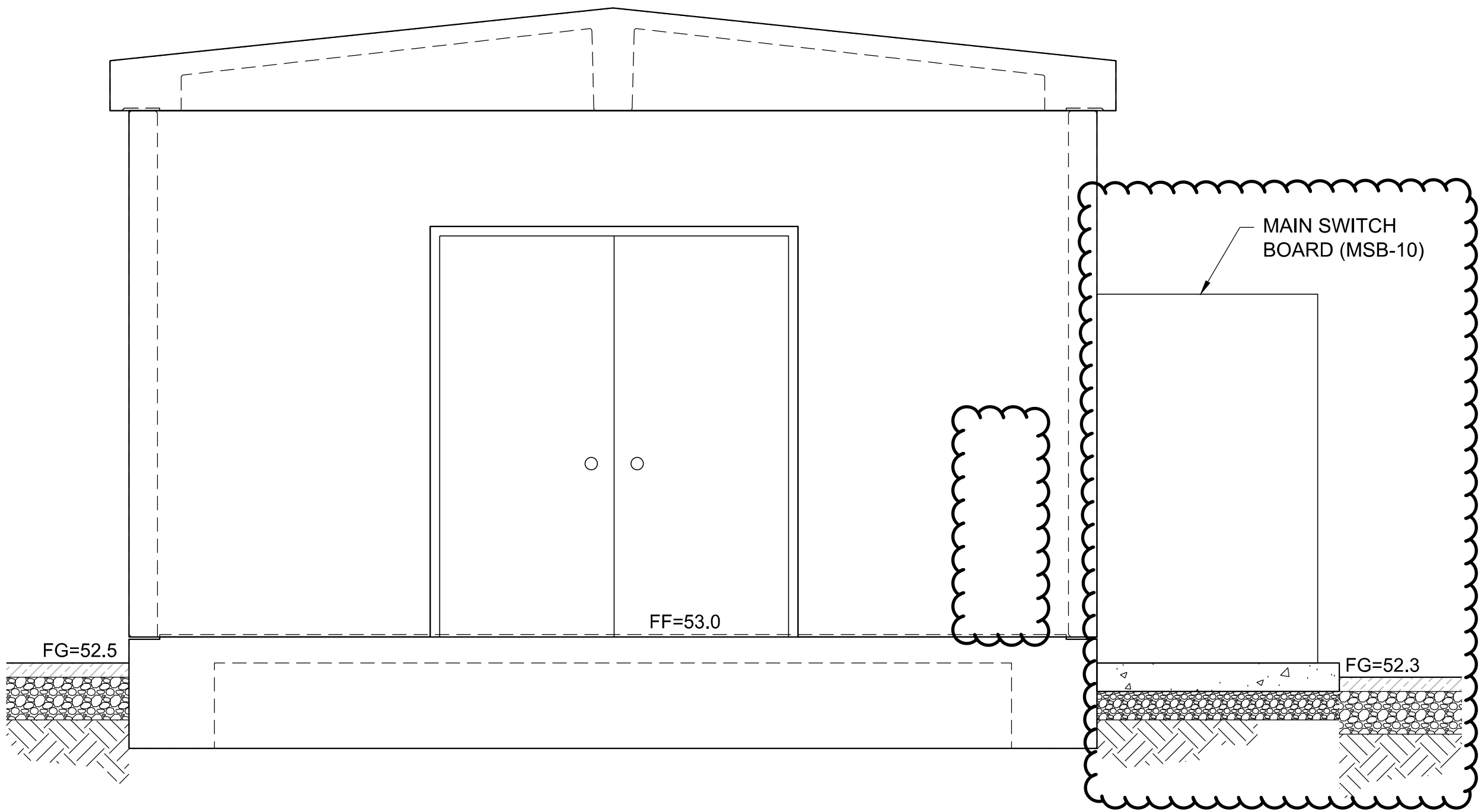
DRAWING NO:
C013

11 OF 45 SHEETS

N:\CS_PROJECTS\NEXGEN\23\WISScreening\63102_C-013-015_PNL_Bldg.dwg 6/17/26 4:49pm jypds



ELEVATION 1
SCALE: 1/2"=1'-0"



ELEVATION 2
SCALE: 1/2"=1'-0"

BAR IS ONE INCH
AT FULL SCALE

DATE	REVISIONS	APR'L
8/19/2026	ADDENDUM 1 AS BUBBLED	
-		
-		
-		

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4010 LENNANE DRIVE
SACRAMENTO, CA 95834
916.564.8000

NEXGEN



City of Colusa
2026 WILL S. GREEN AVENUE
PUMP STATION PROJECT
Colusa County, California

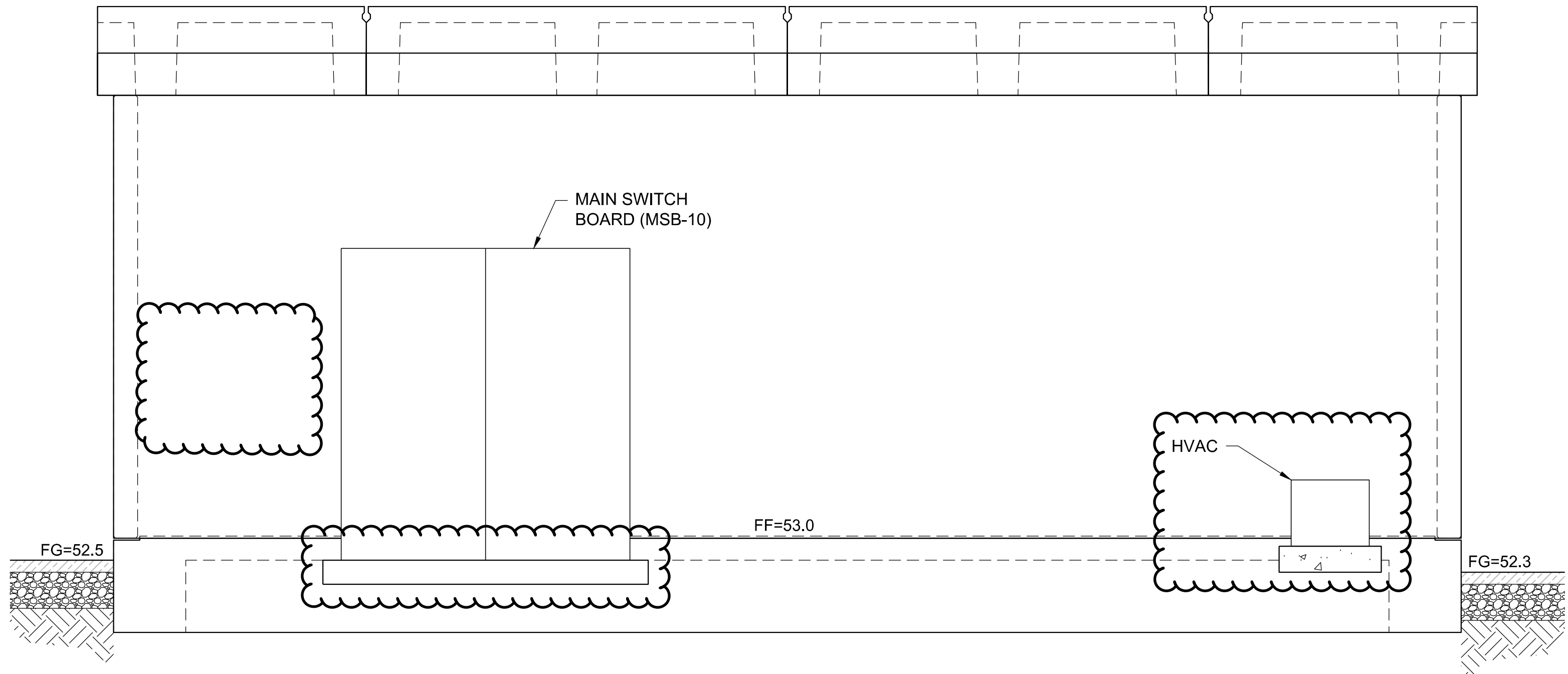
**CONTROL BUILDING
ELEVATIONS 1**

DATE: 17/08/2026
SCALE: 1/2"=1'-0"
DRAWN BY: JA
DESIGNED BY: JD
CHECKED BY: JD

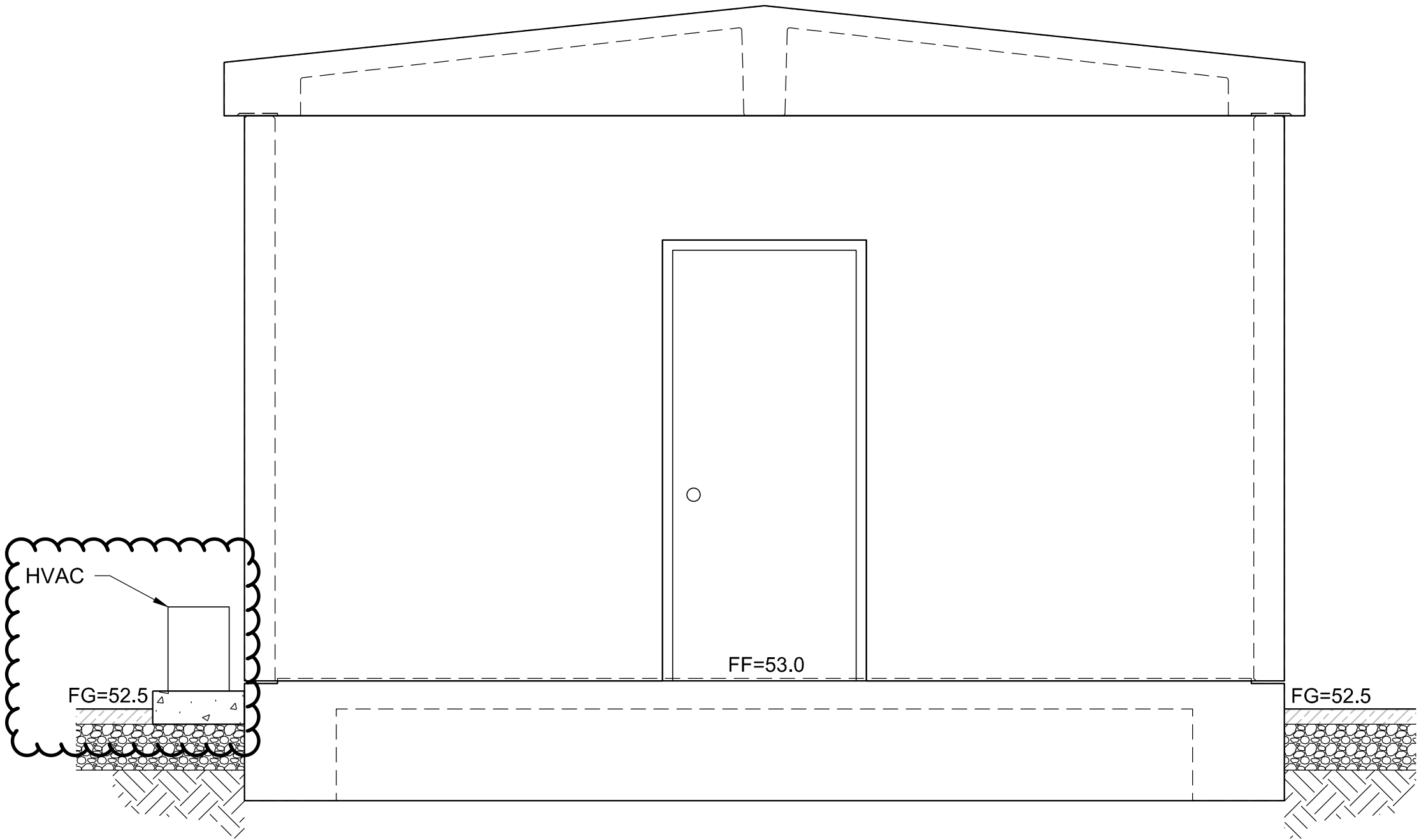
JOB NO: 63.102.C

DRAWING NO:
C014

12 OF 45 SHEETS



ELEVATION 3
SCALE: 1/2"=1'-0"



ELEVATION 4
SCALE: 1/2"=1'-0"

BAR IS ONE INCH
AT FULL SCALE

DATE	REVISIONS	APRVL
8/19/2026	ADDENDUM 1 AS BUBBLED	
-	-	-
-	-	-
-	-	-

NEXGEN UTILITY MANAGEMENT
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916.564.8000



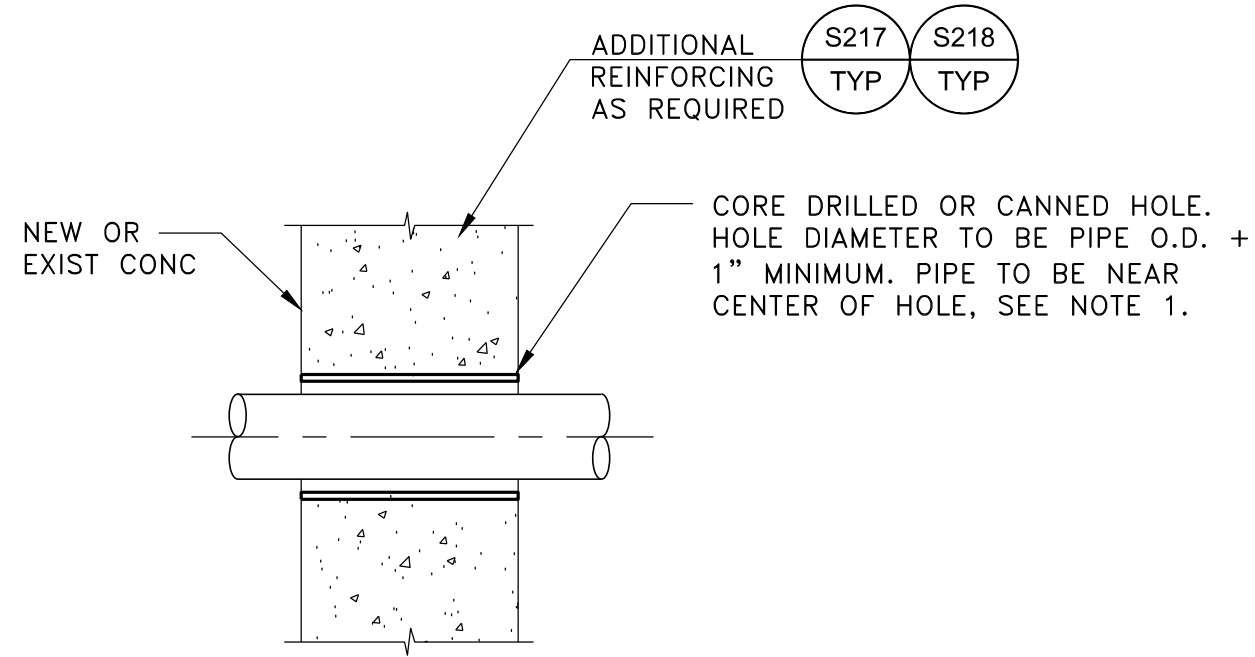
City of Colusa
2026 WILL S. GREEN AVENUE
PUMP STATION PROJECT
Colusa County, California

CONTROL BUILDING
ELEVATIONS 2

DATE:	17/08/2026
SCALE:	1/2"=1'-0"
DRAWN BY:	JA
DESIGNED BY:	JD
CHECKED BY:	JD

JOB NO: 63.102.C

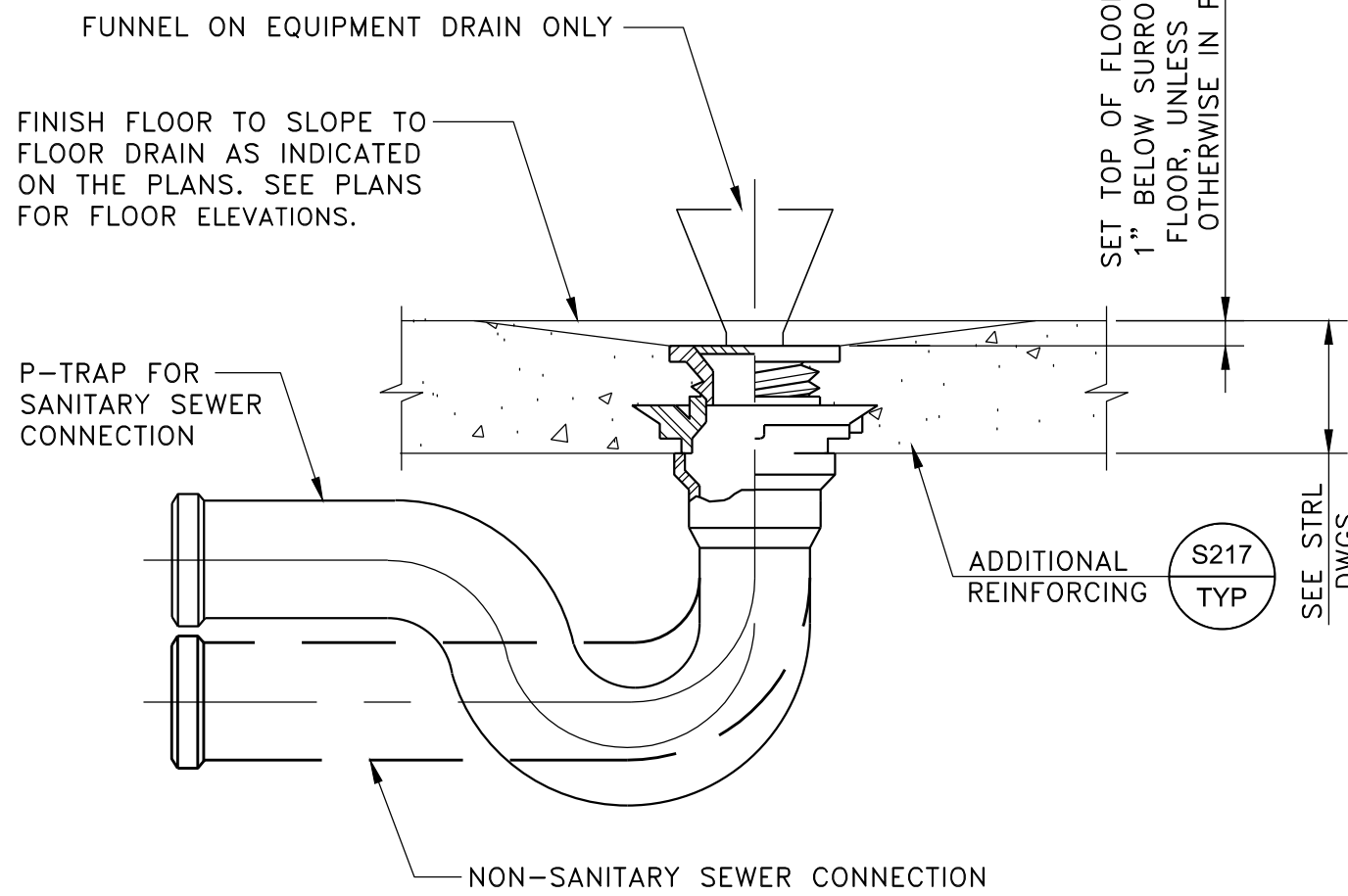
DRAWING NO:
C015



ABOVE GRADE OR WATER LEVEL PIPE PENETRATION

SCALE: NONE

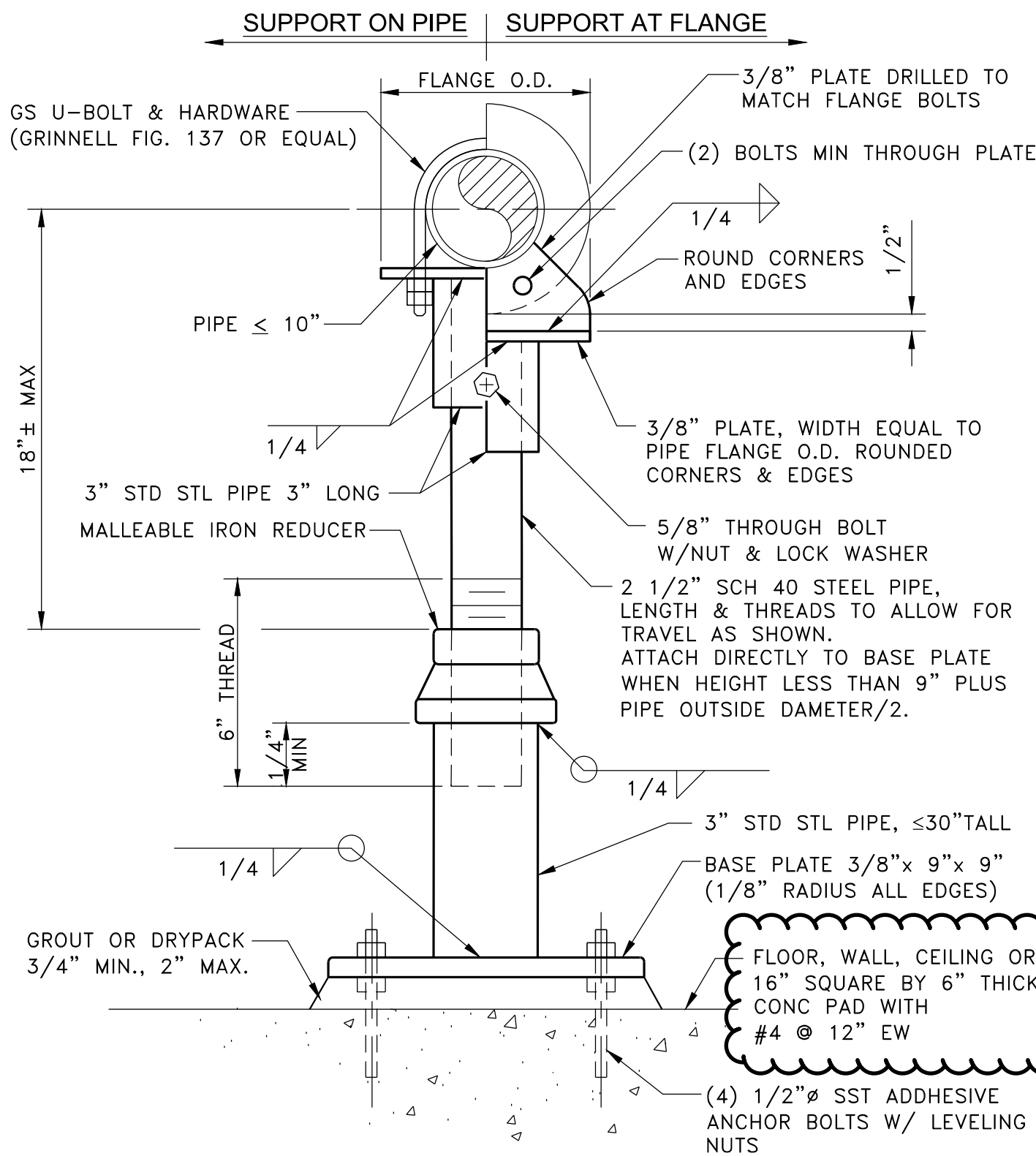
M314
TYP



FLOOR OR EQUIPMENT DRAIN

SCALE: NONE

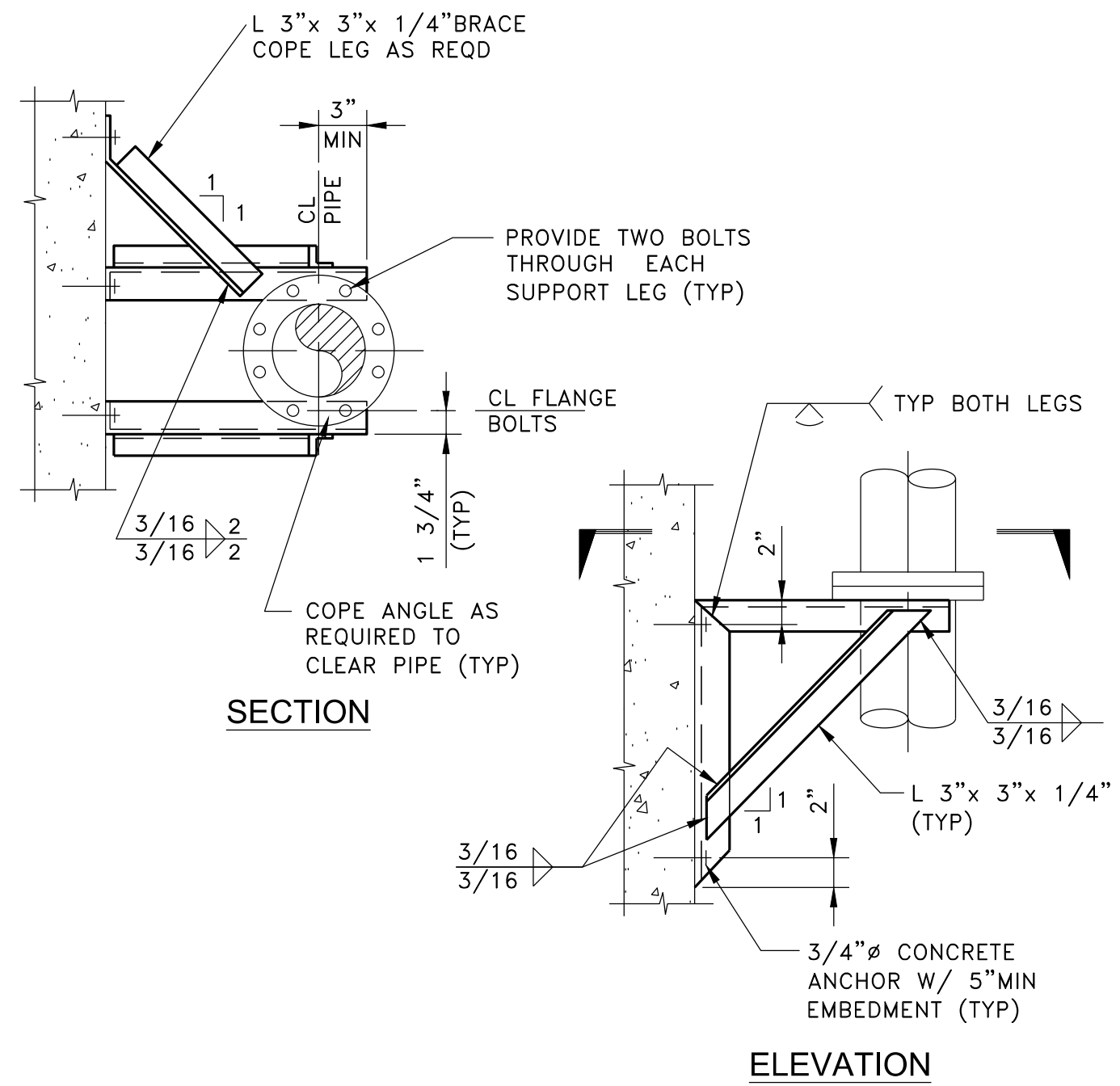
M330
TYP



ADJUSTABLE PIPE SUPPORT (PIPE < 10")

SCALE: NONE

M410
TYP



SECTION

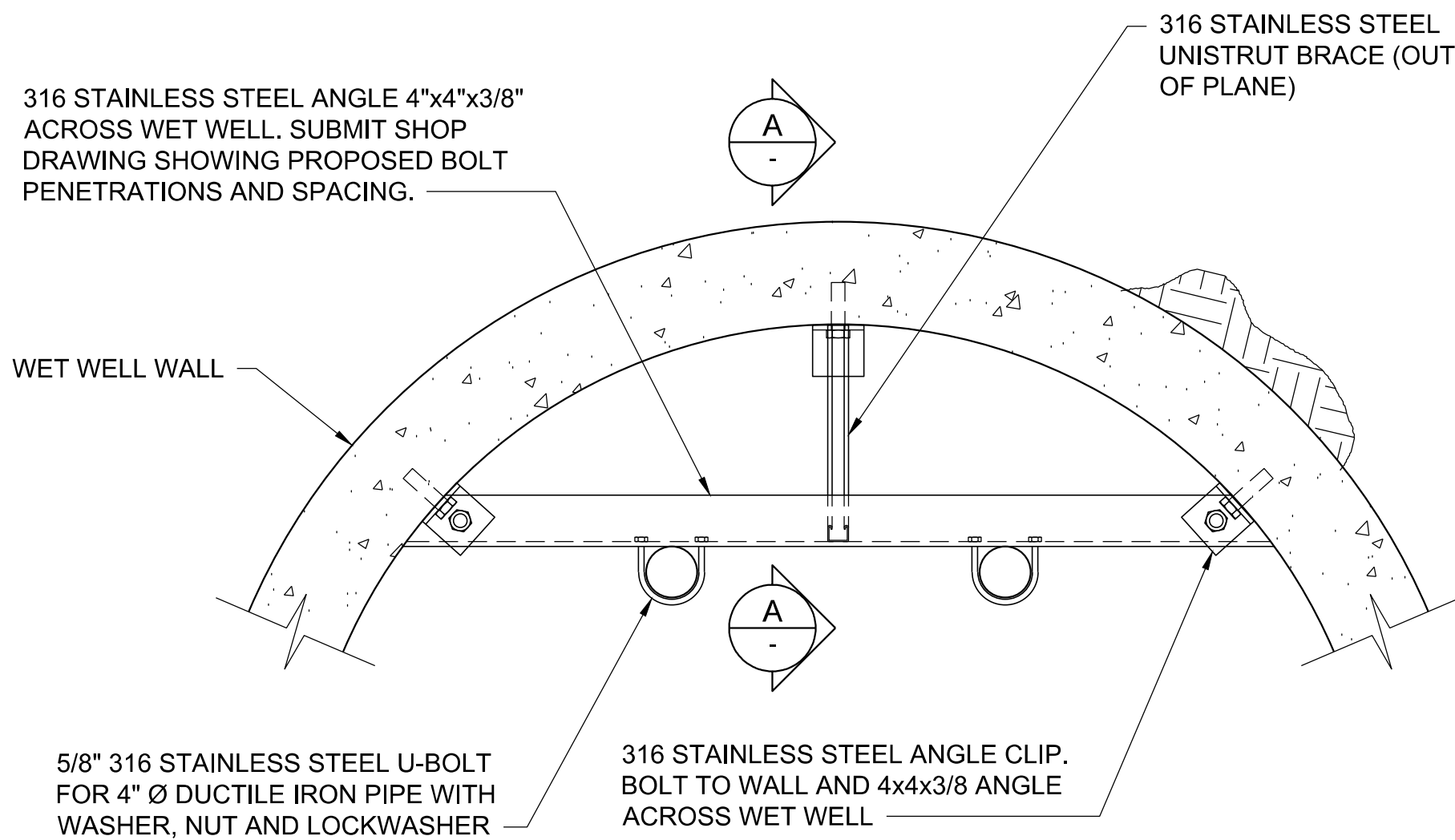
ELEVATION

- NOTES:
- PIPE SUPPORT IS TO BE USED FOR 4"Ø AND LARGER PIPES. FOR SUPPORTS NOT AT FLANGES USE RISER CLAMPS ONE SIDE WELDED TO SUPPORTS.
 - MAXIMUM ALLOWABLE VERTICAL LOAD = 900 POUNDS PER SUPPORT. ADJUST SUPPORTS SPACING AS REQUIRED.
 - ALL MATERIAL SHALL BE STAINLESS STEEL IF SUPPORT IS SUBMERGED OR LOCATED BELOW THE TOP OF WALL IN A WATER BEARING STRUCTURE. IN ALL OTHER AREAS, THE MATERIALS SHALL BE HOT-DIP GALVANIZED STEEL UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
 - FIELD PAINT GALVANIZED STEEL PER THE SPECIFICATIONS.

VERTICAL PIPE SUPPORT

SCALE: NONE

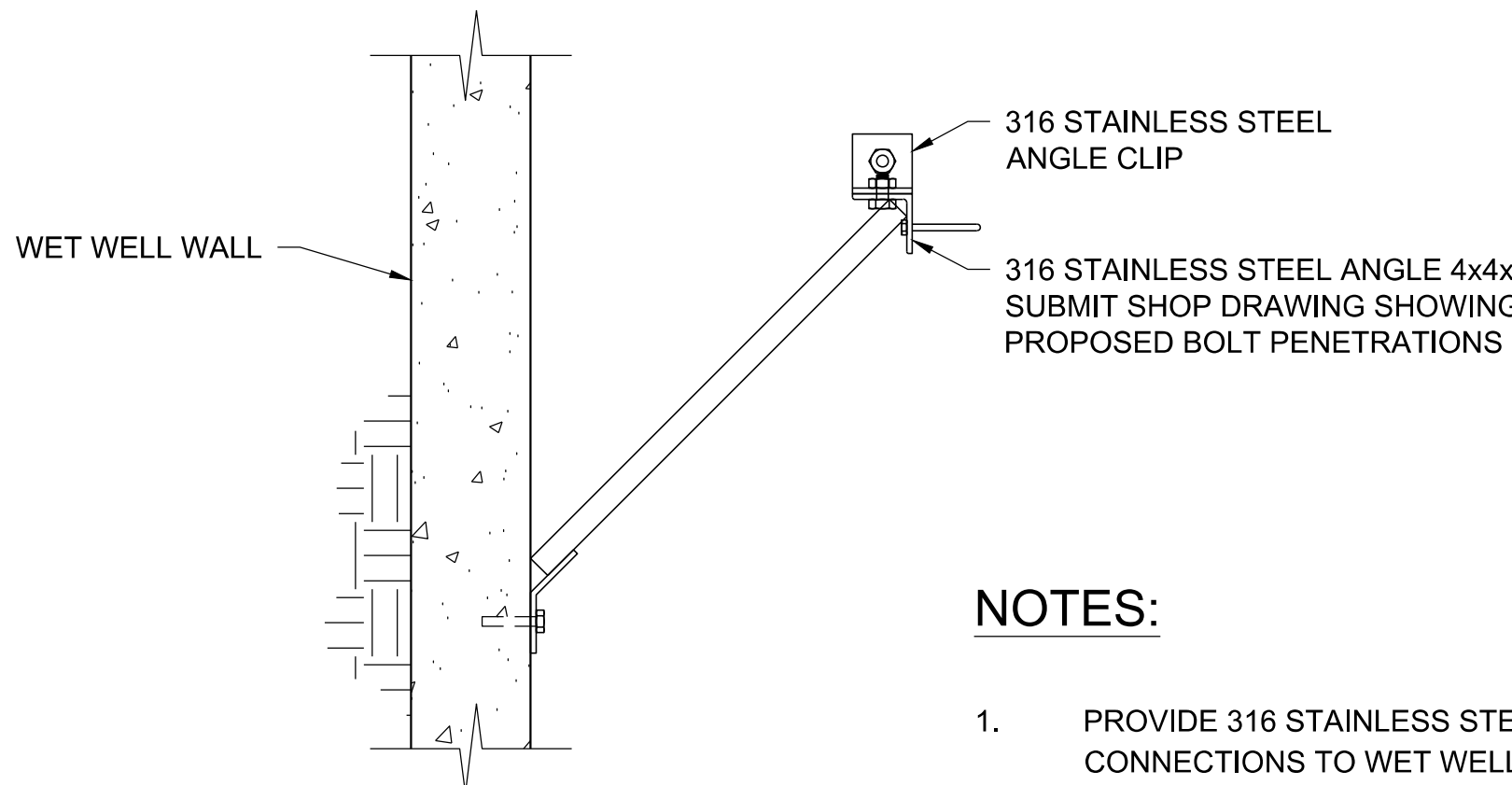
M432
TYP



WET WELL PIPE SUPPORT PLAN VIEW

SCALE: NONE

M447
TYP



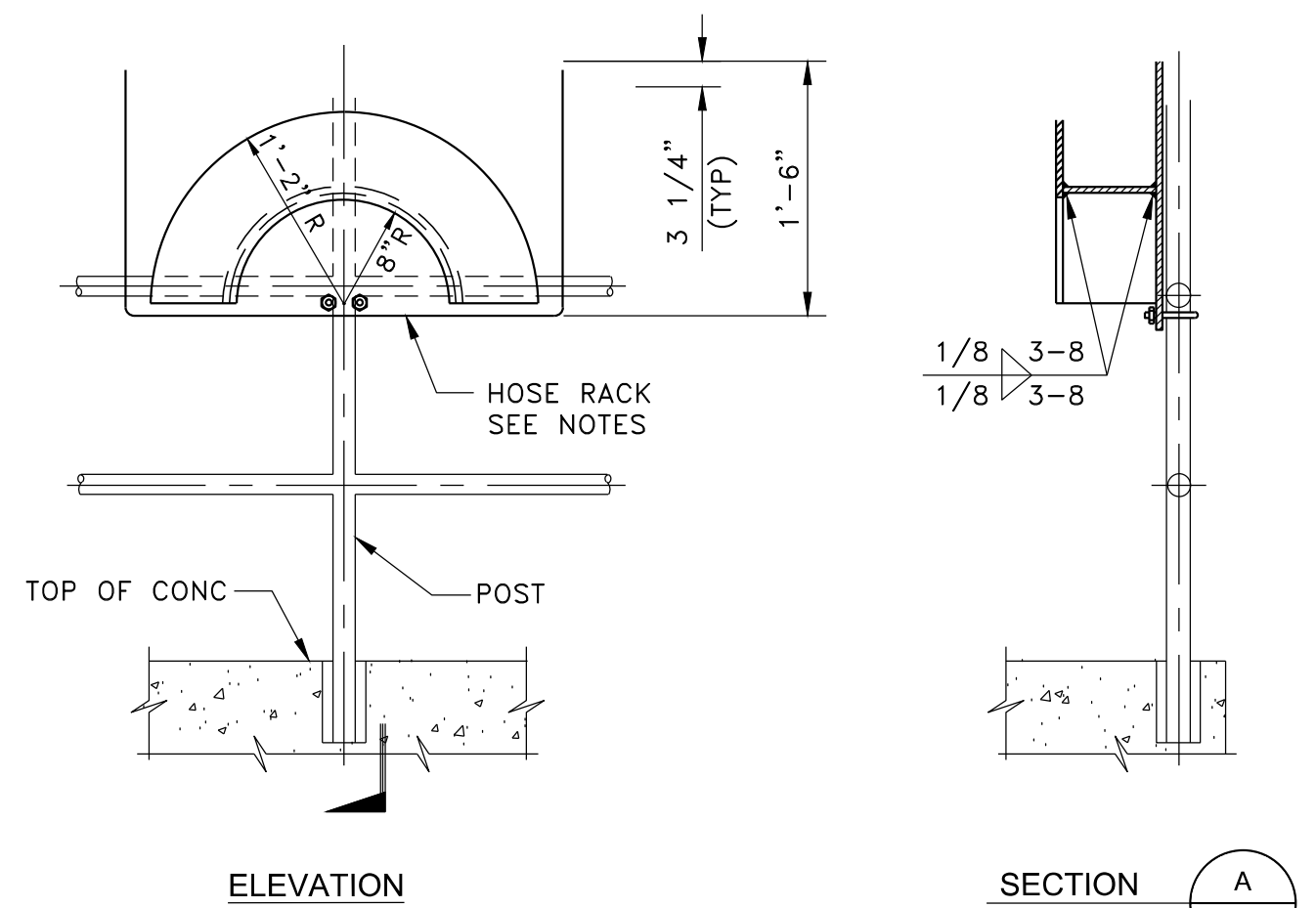
SECTION

SCALE: NONE

A
-

NOTES:

- PROVIDE 316 STAINLESS STEEL ANCHOR BOLT CONNECTIONS TO WET WELL WALL.
- LOAD CAPACITIES OF ANCHOR BOLTS, BRACKETS AND FITTINGS SHOULD BE IN COMPLIANCE WITH AMERICAN STANDARD CODE FOR PRESSURE PIPING.



ELEVATION

SECTION

NOTES:

- HOSE RACK SHALL BE FABRICATED FROM 1/4" ALUMINUM PLATE. ROUND SMOOTH ALL EDGES AND SHARP CORNERS.
- HOSE RACKS INSTALLED IN YARD LOCATIONS SHALL BE MOUNTED ON POST. WITH BOTTOM 3'-0" ABOVE FINISH GRADE. POST SIMILAR TO TYPICAL CIVIL DETAIL C250.
- HOSE RACKS INSTALLED IN STRUCTURES SHALL BE WALL MOUNTED. FASTEN RACK TO WALL WITH (4) 3/8"Ø SST CONCRETE ANCHORS. FOR MASONRY WALLS, FASTEN TO GROUTED CELLS.
- EACH HOSE RACK SHALL BE SUPPLIED WITH A 50'-FOOT LONG INDUSTRIAL HOSE, IN ACCORDANCE WITH THE SPECIFICATIONS.

HOSE RACK

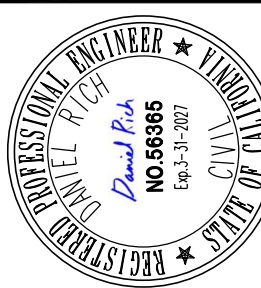
SCALE: NONE

M630
TYP

BAR IS ONE INCH
AT FULL SCALE

APRVL	REVISIONS	DATE
	ADDENDUM 1 AS BUBBLED	8/19/2026

NEXGEN UTILITY MANAGEMENT
4010 LENNANE DRIVE
SACRAMENTO, CA 95834
916.564.8000



City of Colusa
2026 WILL S. GREEN AVENUE
PUMP STATION PROJECT
Colusa County, California

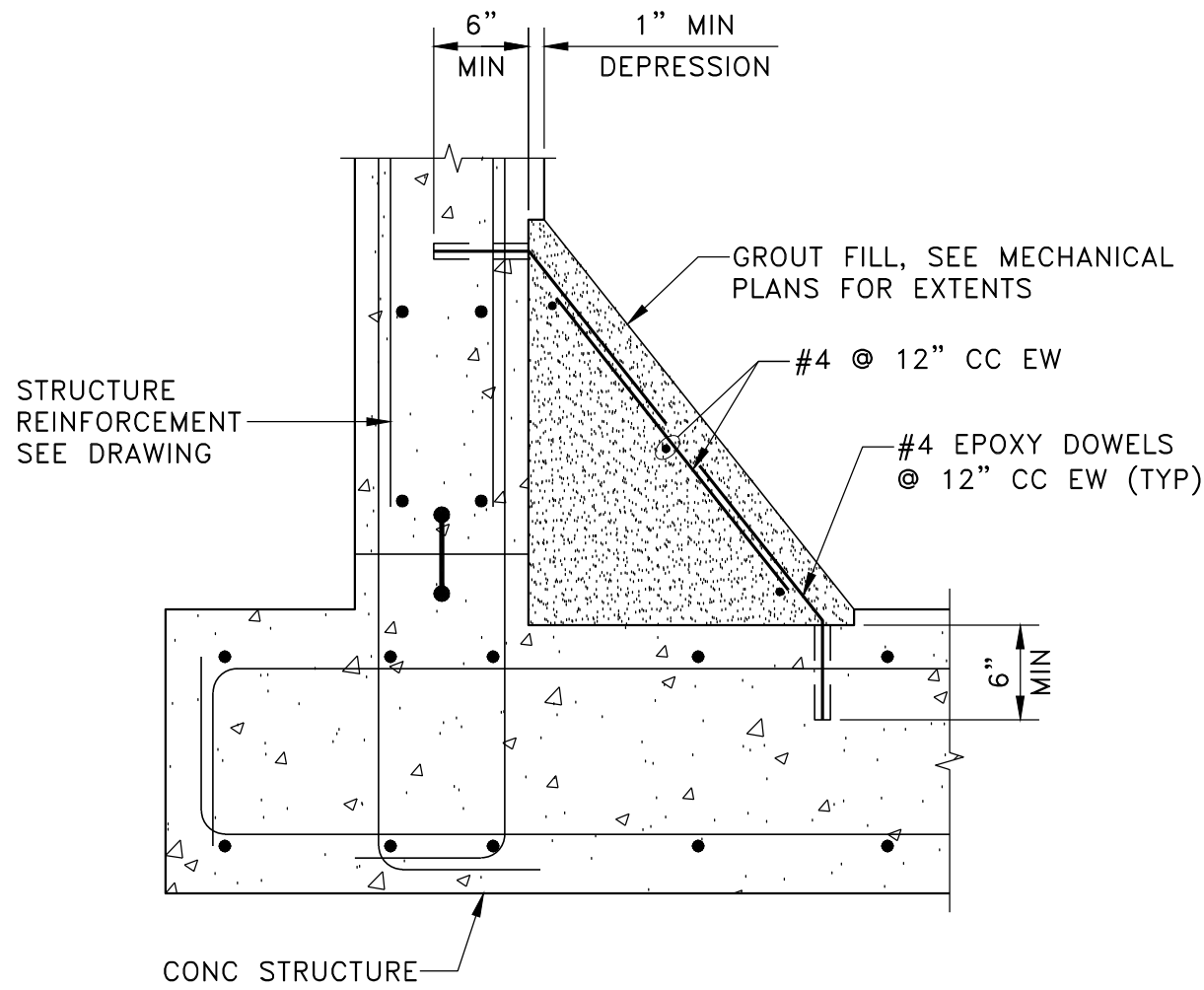
TYPICAL MECHANICAL
DETAILS 2

DATE: 17/08/2026
SCALE: NONE
DRAWN BY: JA
DESIGNED BY: JD
CHECKED BY: JD

JOB NO: 63.102.C

DRAWING NO:
M002

15 OF 45 SHEETS



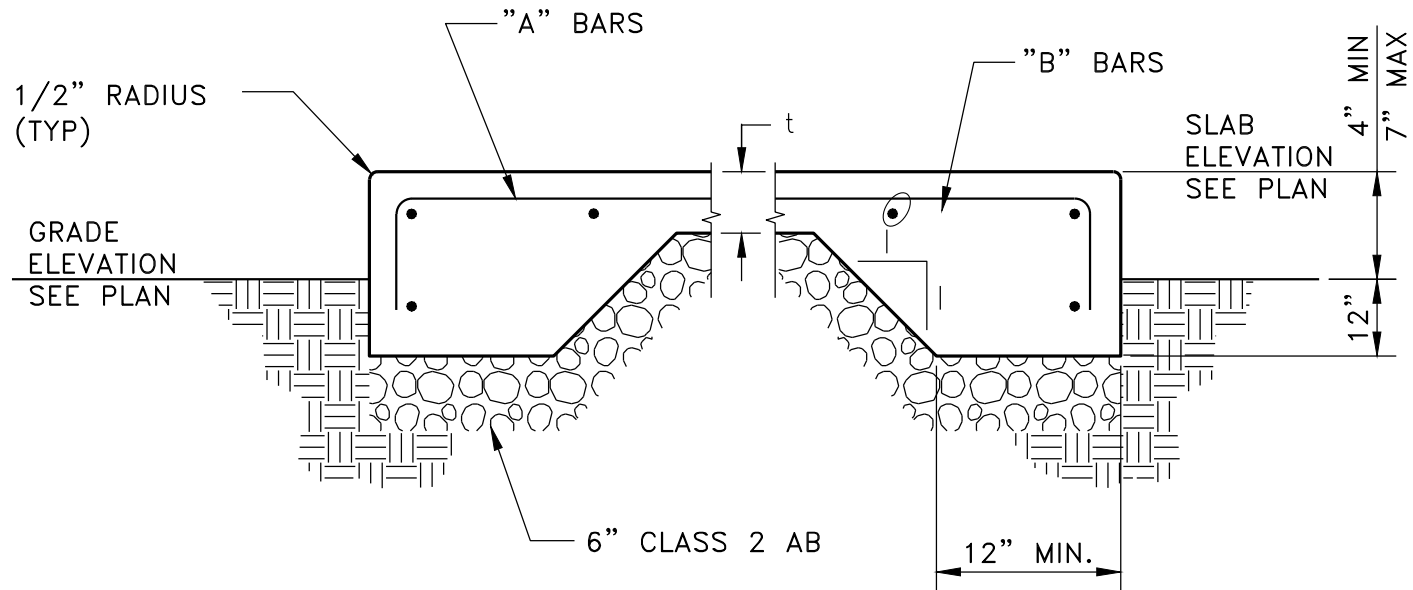
GROUT FILL REINFORCEMENT

SCALE: NONE

S203

TYP

THICKNESS t	BAR "A" SIZE/SPACING	BAR "B" SIZE/SPACING
4"	#4 @ 18" CC	#4 @ 18" CC
6"	#5 @ 18" CC	#5 @ 18" CC
8"	#5 @ 12" CC	#5 @ 12" CC
12"	#5 @ 12" CC T&B	#5 @ 12" CC T&B



NOTES:

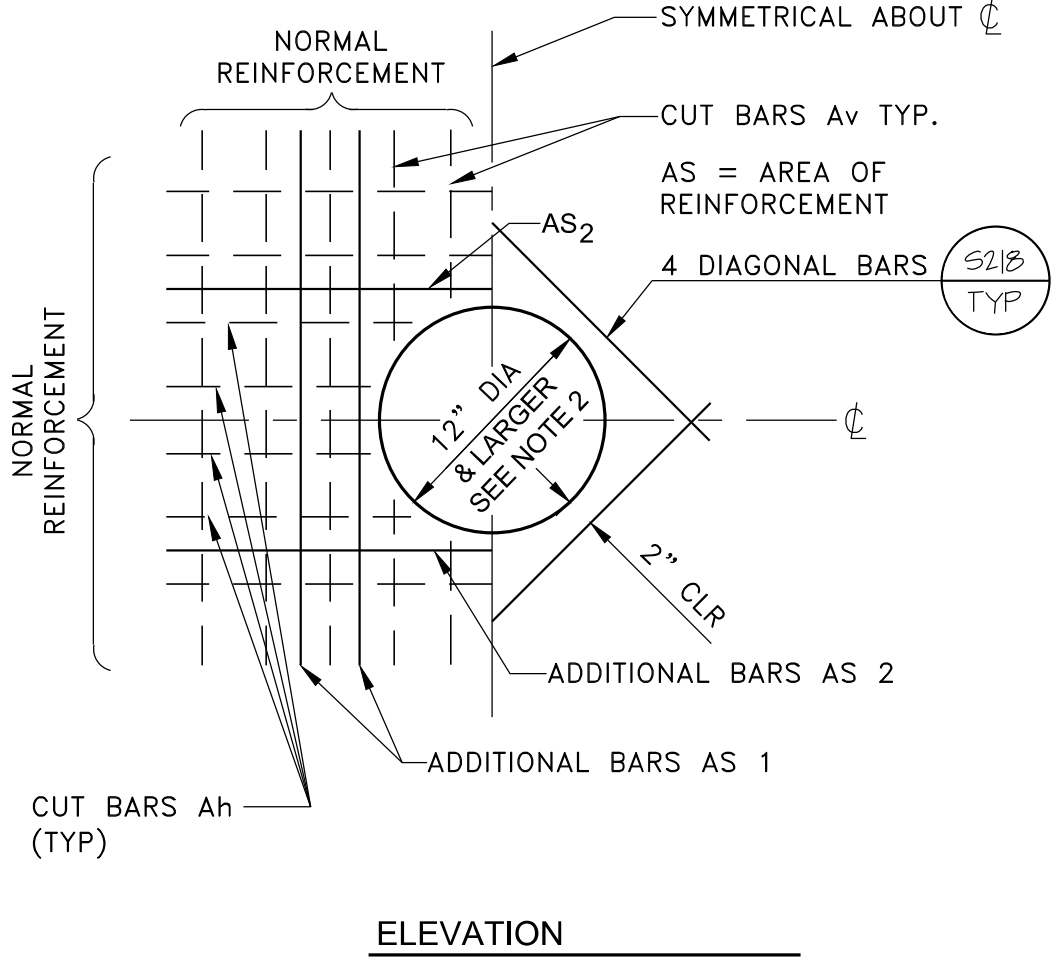
- FOR SLAB THICKNESS UP TO 8", REINFORCEMENT SHALL BE PLACED AT SLAB CENTER.
- SLAB THICKNESS TO BE DETERMINED BY EQUIPMENT MANUFACTURER REQUIREMENTS.
- SEE S235 TYPICAL FOR ADDITIONAL NOTES.

CONCRETE SLAB ON GRADE

SCALE: NONE

S245

TYP



NOTES:

- FOR ADDITIONAL REINFORCEMENT SIZES & LENGTHS SEE S215 TYP
- FOR CIRCULAR OPENINGS LESS THAN 12"Ø, SEE S218 TYP

ADDITIONAL REINFORCEMENT
AT CIRCULAR OPENINGS

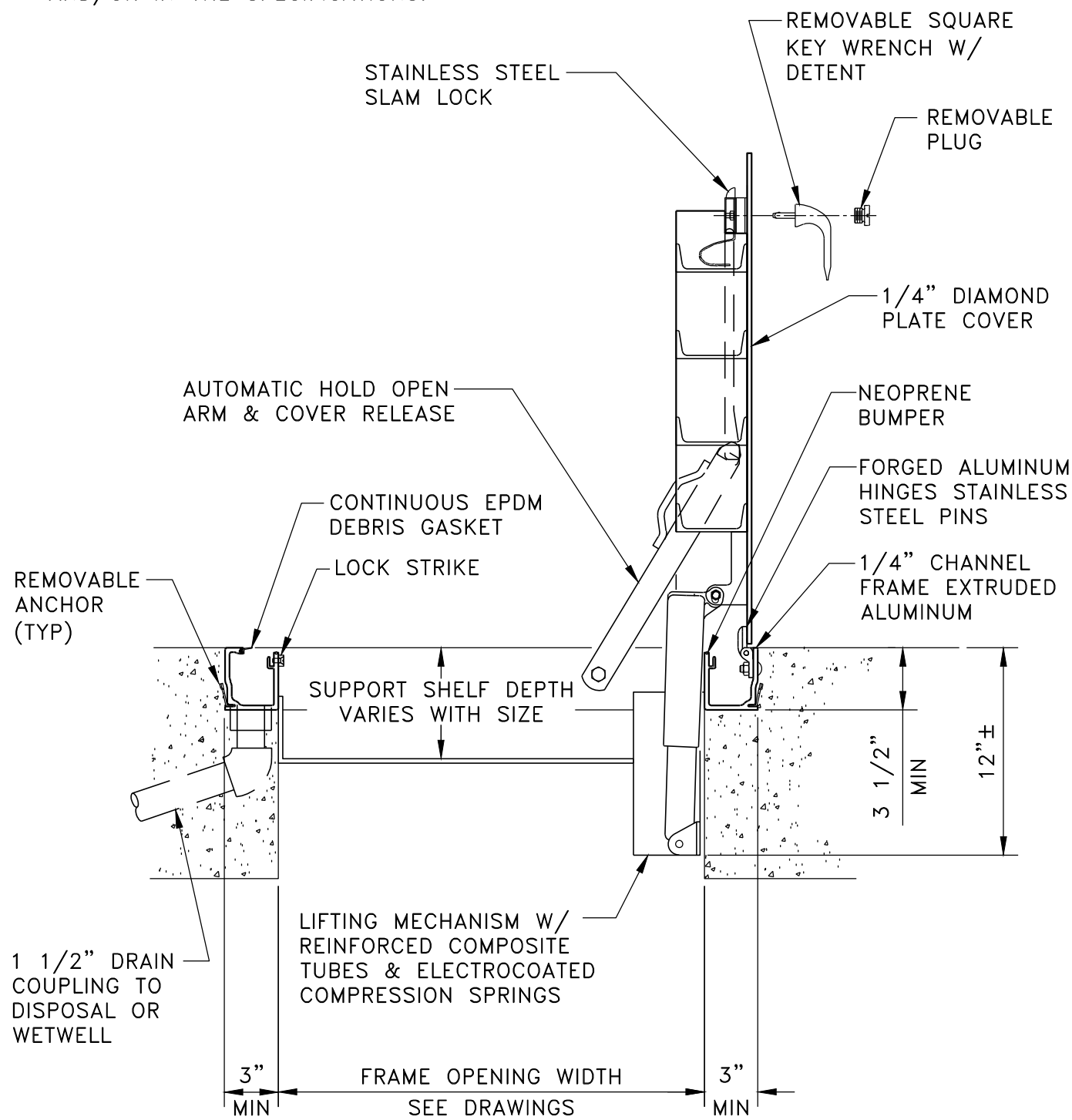
SCALE: NONE

S217

TYP

NOTES:

- LOAD RATING AS INDICATED ON DRAWINGS AND IN THE SPECIFICATIONS.
- PROVIDE FALL PROTECTION AS INDICATED ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS.



ACCESS HATCH-SINGLE LEAF

SCALE: NONE

S509

TYP

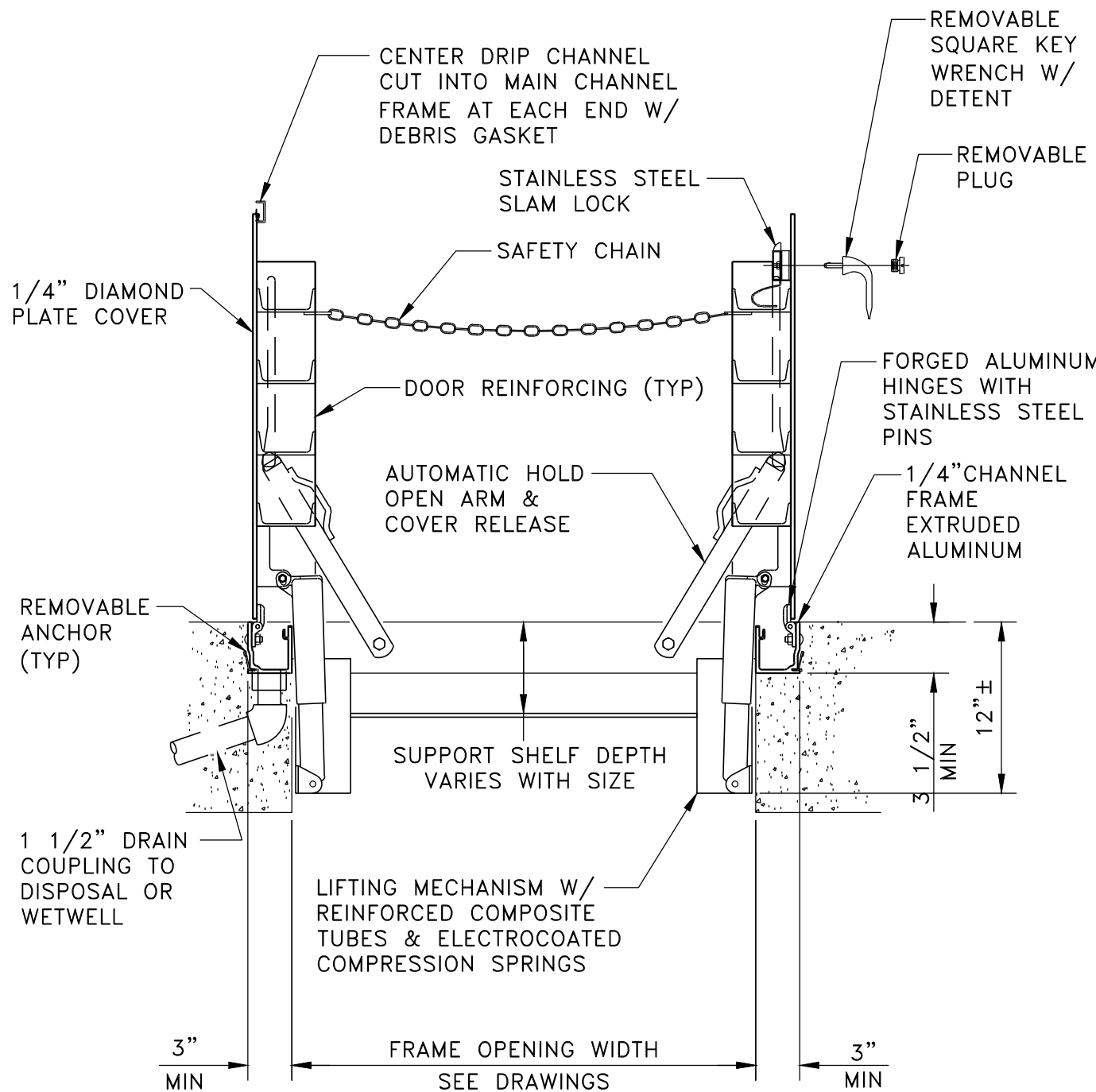
- THE MINIMUM PAD SIZE SHALL BE AS INDICATED OR AS SHOWN ON THE DRAWINGS OR AS DETERMINED BY THE EQUIPMENT MANUFACTURER.
- THE SIZE, NUMBER, TYPE, LOCATION AND THREAD PROJECTION OF THE ANCHOR BOLTS SHALL BE DETERMINED BY THE EQUIPMENT MANUFACTURER. HOLD CONCRETE ANCHOR BOLTS IN POSITION WITH A TEMPLATE WHILE PAD IS BEING PLACED.
- USE ANCHOR BOLT SLEEVES TO PROVIDE THE ANCHOR BOLT A MINIMUM MOVEMENT OF 1/2" IN ALL DIRECTIONS. SLEEVES SHALL BE FILLED WITH NON-SHRINK GROUT.
- ANCHOR BOLT SLEEVES SHALL HAVE A MINIMUM INTERNAL DIAMETER 1" GREATER AND A MAXIMUM INTERNAL DIAMETER 3" GREATER THAN "D" ANCHOR BOLT DIAMETER.
- EQUIPMENT BASES SHALL BE INSTALLED LEVEL U.O.N.
- PROVIDE WEDGES OR SHIMS TO SUPPORT THE BASE WHILE THE NON-SHRINK GROUT IS PLACED. TEMPORARY LEVELING NUTS SHALL BE BACKED OFF. THE WEDGES OR SHIMS THAT REMAIN IN PLACE SHALL NOT BE EXPOSED TO VIEW.
- WHERE CONCRETE SLAB OR BEAM THICKNESS WILL NOT ACCOMMODATE THE ANCHOR BOLT, PROVIDE EXTRA THICKNESS OF SLAB OR BEAM.
- CONTRACTOR TO PROVIDE STRUCTURAL CALCS STAMPED BY A CALIFORNIA REGISTERED CIVIL ENGINEER FOR EQUIPMENT ANCHORAGE.

EQUIPMENT BASE NOTES

SCALE: NONE

S235

TYP



NOTES:

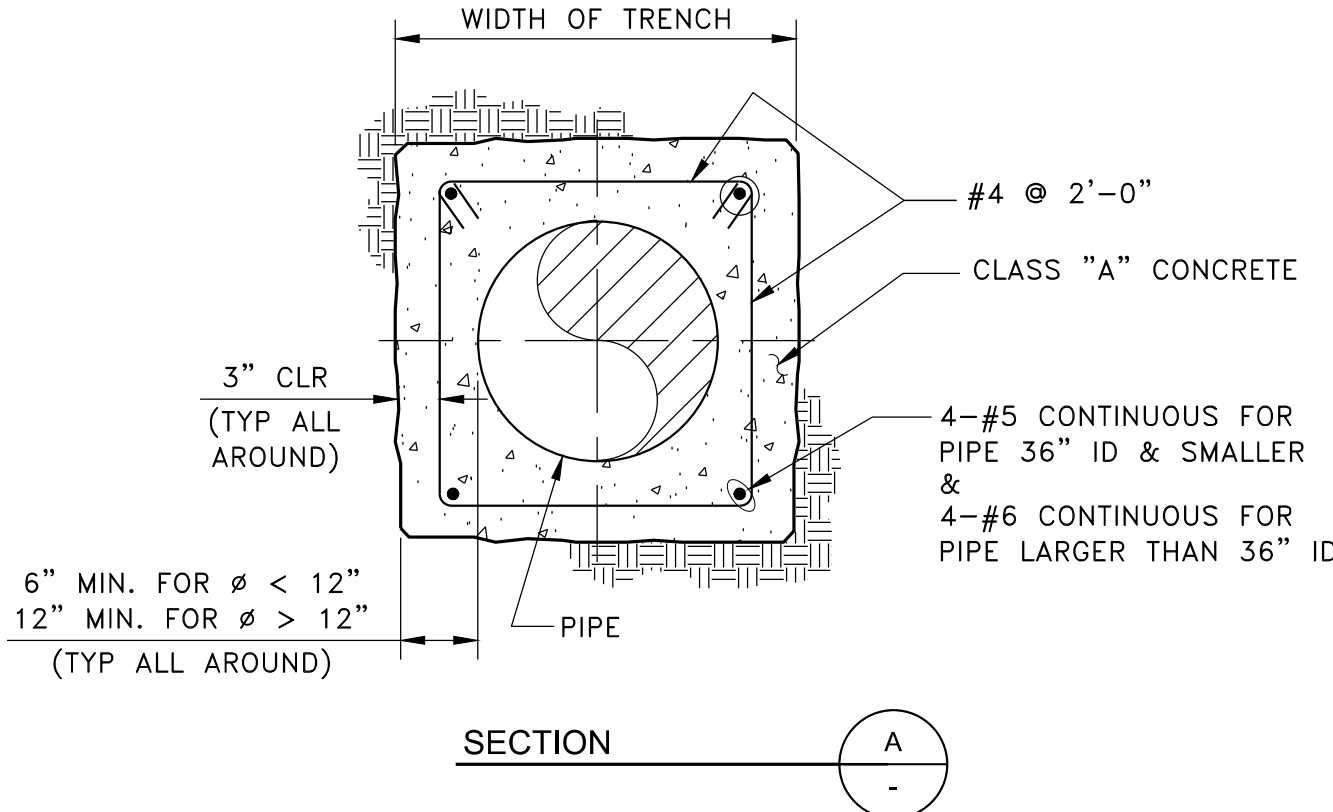
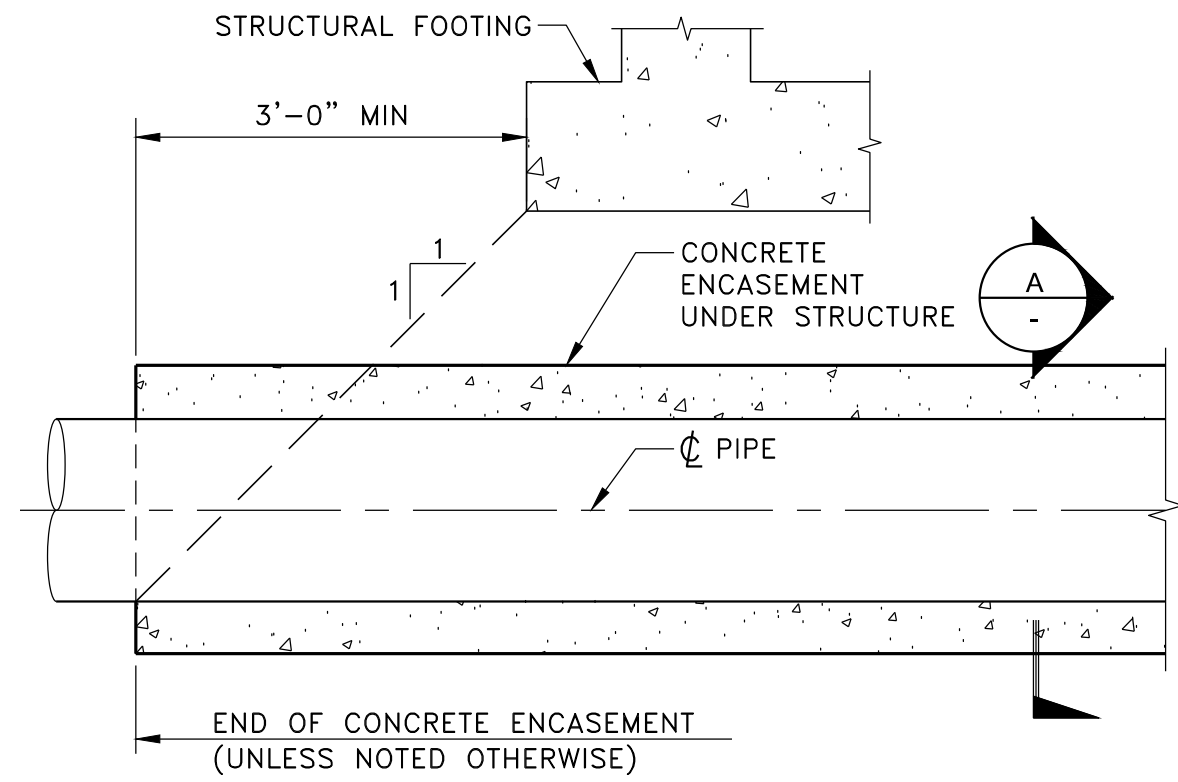
- LOAD RATING AS INDICATED ON DRAWINGS AND IN THE SPECIFICATIONS.
- PROVIDE FALL PROTECTION AS INDICATED ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS.

ACCESS HATCH-DOUBLE LEAF

SCALE: NONE

S510

TYP



CONCRETE ENCASEMENT OF PIPE

SCALE: NONE

S240

TYP

BAR IS ONE INCH
AT FULL SCALE

APRVL

REVISIONS

DATE

ADDITION 1 AS
BUBBLED

8/19/2026

NEXGEN UTILITY MANAGEMENT

4010 LENNANE DRIVE
SACRAMENTO, CA 95834
916.564.8000

NEXGEN

PROFESSIONAL ENGINEER
CALIFORNIA
No. 53855
Exp. 3-31-2027

City of Colusa

2026 WILL S. GREEN AVENUE
PUMP STATION PROJECT

Colusa County, California

TYPICAL MECHANICAL
DETAILS 3

DATE: 17/08/2026

SCALE: NONE

DRAWN BY: JA

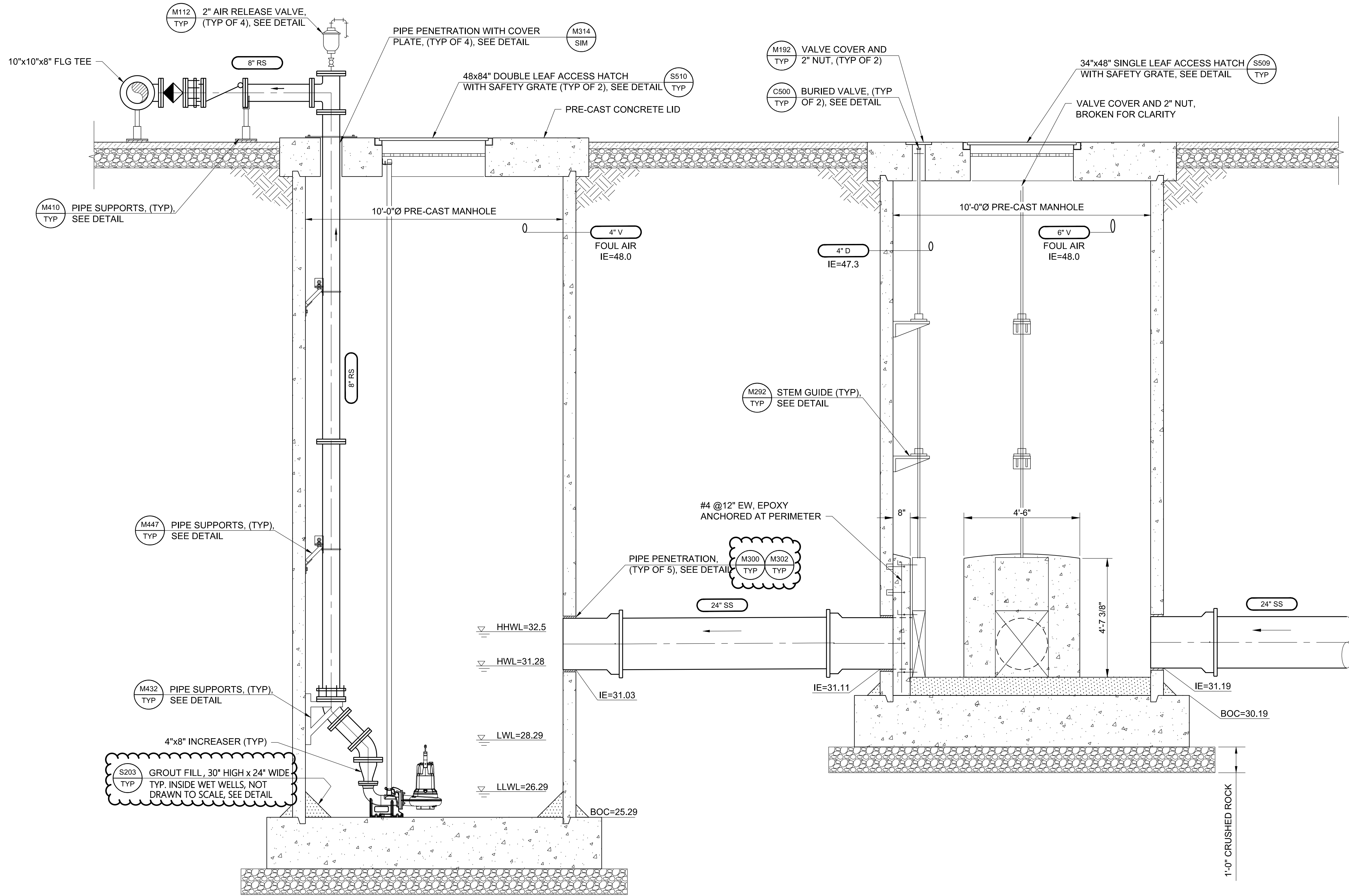
DESIGNED BY: JD

CHECKED BY: JD

JOB NO: 63.102.C

DRAWING NO:
M003

16 OF 45 SHEETS



SECTION
SCALE: 1/2"=1'-0"

B
M011

BAR IS ONE INCH
AT FULL SCALE

REV	DATE	DESCRIPTION
1	8/19/2026	ADDENDUM 1 AS BUBBLED

APR'L

REVISIONS

DATE

NEXGEN UTILITY MANAGEMENT

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SACRAMENTO, CA 95834
916.564.8000

City of Colusa

2026 WILL S. GREEN AVENUE
PUMP STATION PROJECT

Colusa County, California

PUMP STATION SECTION

M011

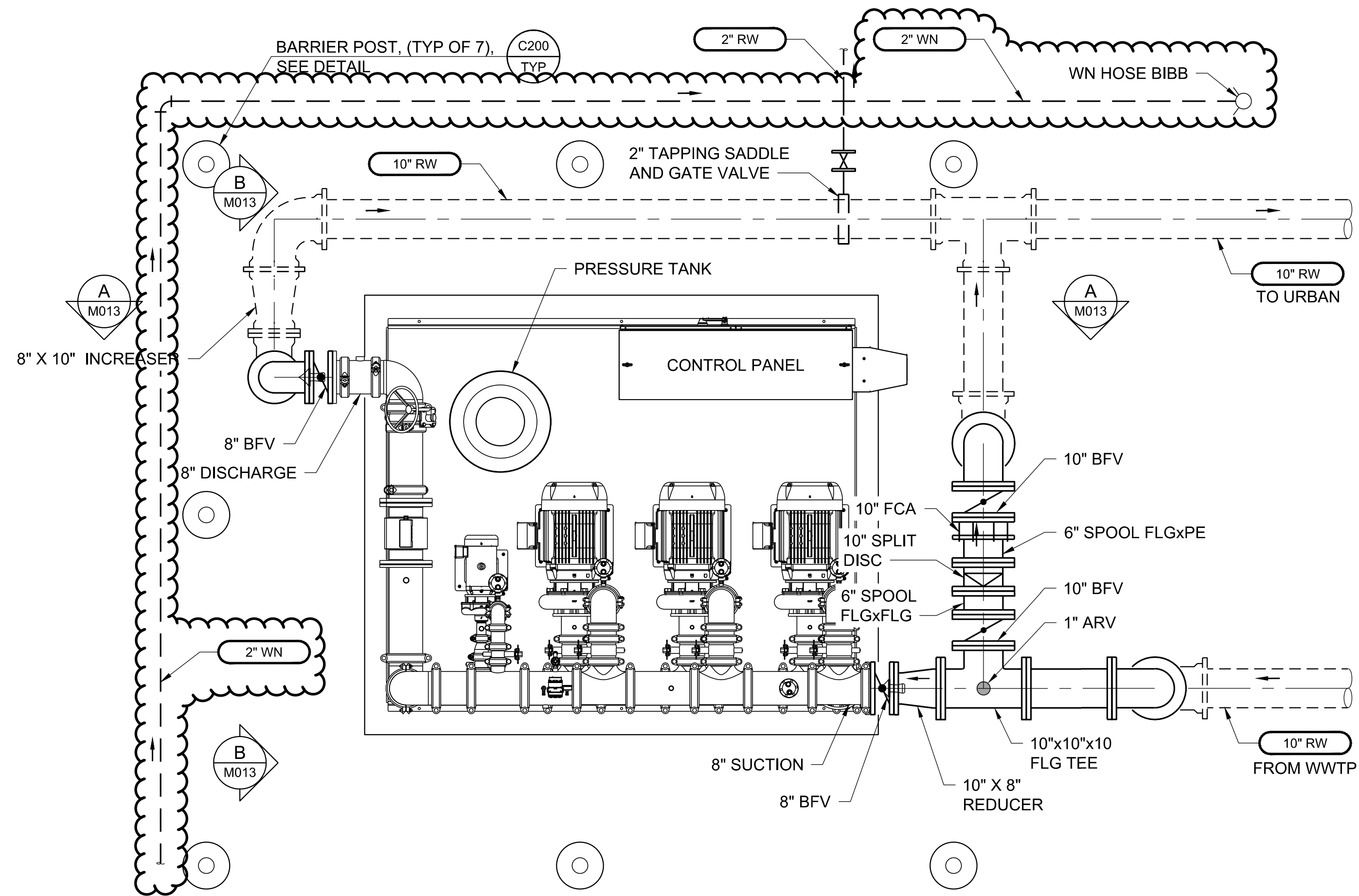
DATE: 17/08/2026
SCALE: 1/2"=1'-0"
DRAWN BY: JA
DESIGNED BY: JD
CHECKED BY: JD

JOB NO: 63.102.C

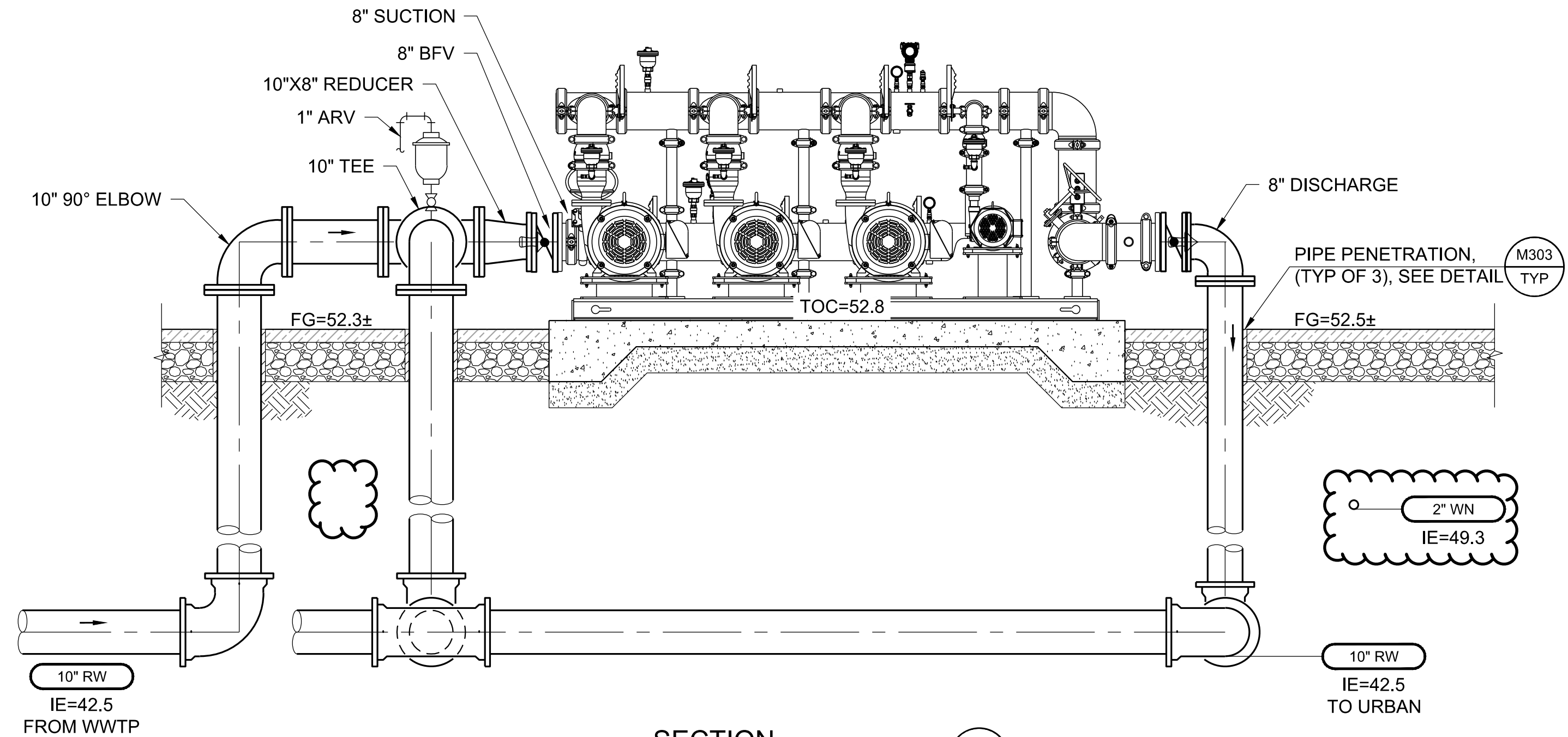
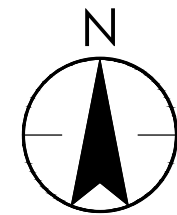
DRAWING NO:
M011

18 OF 45 SHEETS

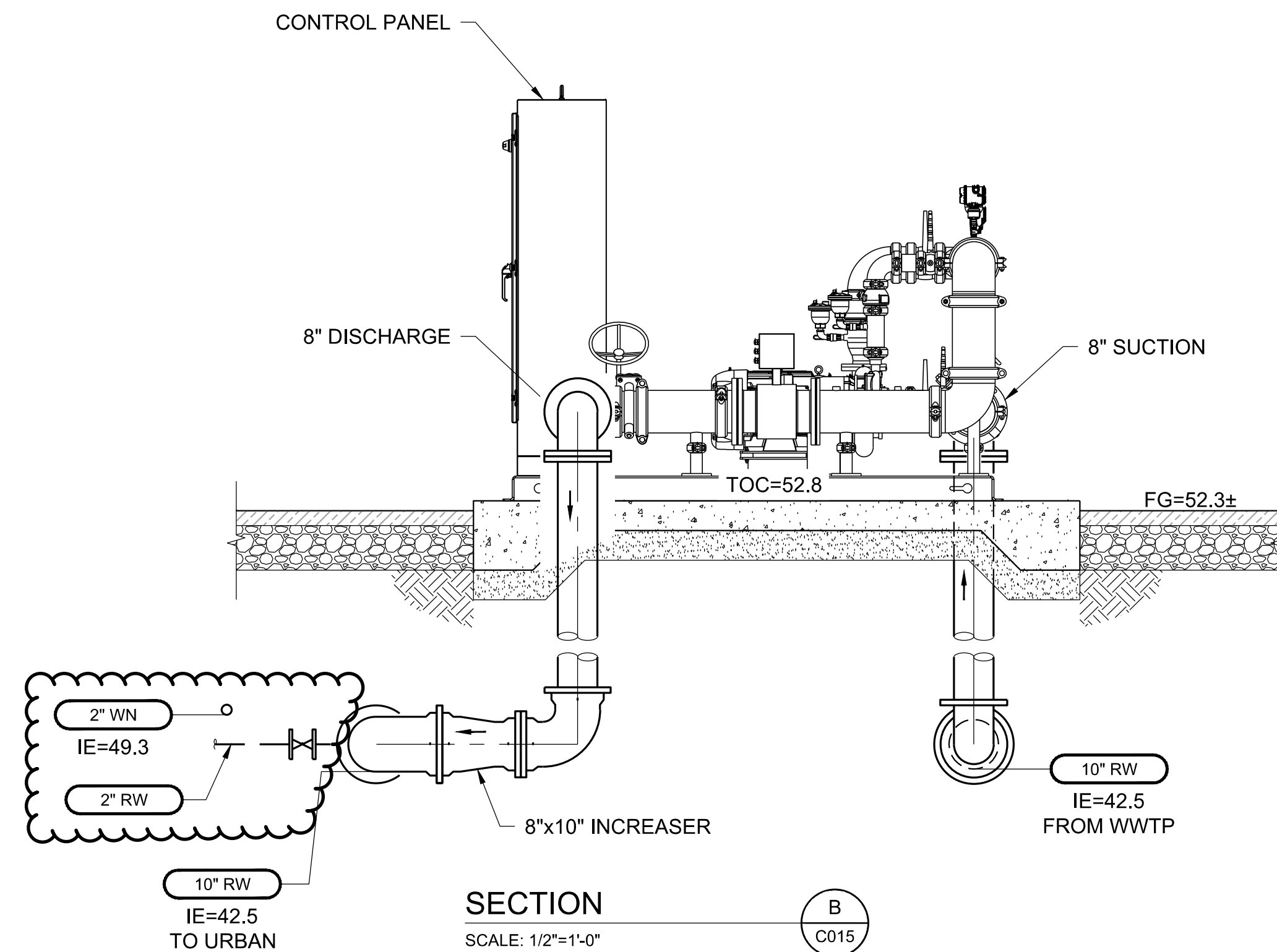
N:\CS_PROJECTS\NEXGEN\23_WillGreen\53102_C-M010_PUMP STATION PLANS.dwg 8/17/26 4:40pm jypas



RECYCLED WATER BOOSTER PUMP STATION PLAN
SCALE: 1/2"=1'-0"



SECTION A-A
SCALE: 1/2"=1'-0"

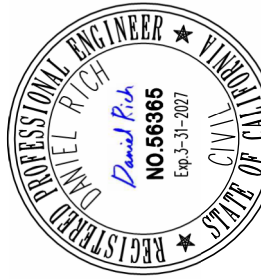


SECTION B-B
SCALE: 1/2"=1'-0"

BAR IS ONE INCH
AT FULL SCALE

DATE	REVISIONS	APR'L
8/19/2026	ADDENDUM 1 AS BUBBLED	

NEXGEN UTILITY MANAGEMENT
4010 LENNANE DRIVE
SACRAMENTO, CA 95834
916.564.8000



City of Colusa
2026 WILL S. GREEN AVENUE
PUMP STATION PROJECT
Colusa County, California

**RECYCLED WATER BOOSTER
PUMP STATION PLAN AND
SECTIONS**

DATE: 17/08/2026
SCALE: 1/2"=1'-0"
DRAWN BY: JA
DESIGNED BY: JD
CHECKED BY: JD

JOB NO: 63.102.C

DRAWING NO:
M013

19 OF 45 SHEETS

N:\CS_PROJECTS\NEXGEN\23\WillScreen\63.102.C-M013_RW_BOOSTER_Plan.dwg 8/17/26 4:40pm jpd