

COUNTY OF SUMMIT

D.S.S.S. PROJECT Q-208 PENINSULA ENVIRONMENTAL SUSTAINABILITY 100% SUBMITTAL

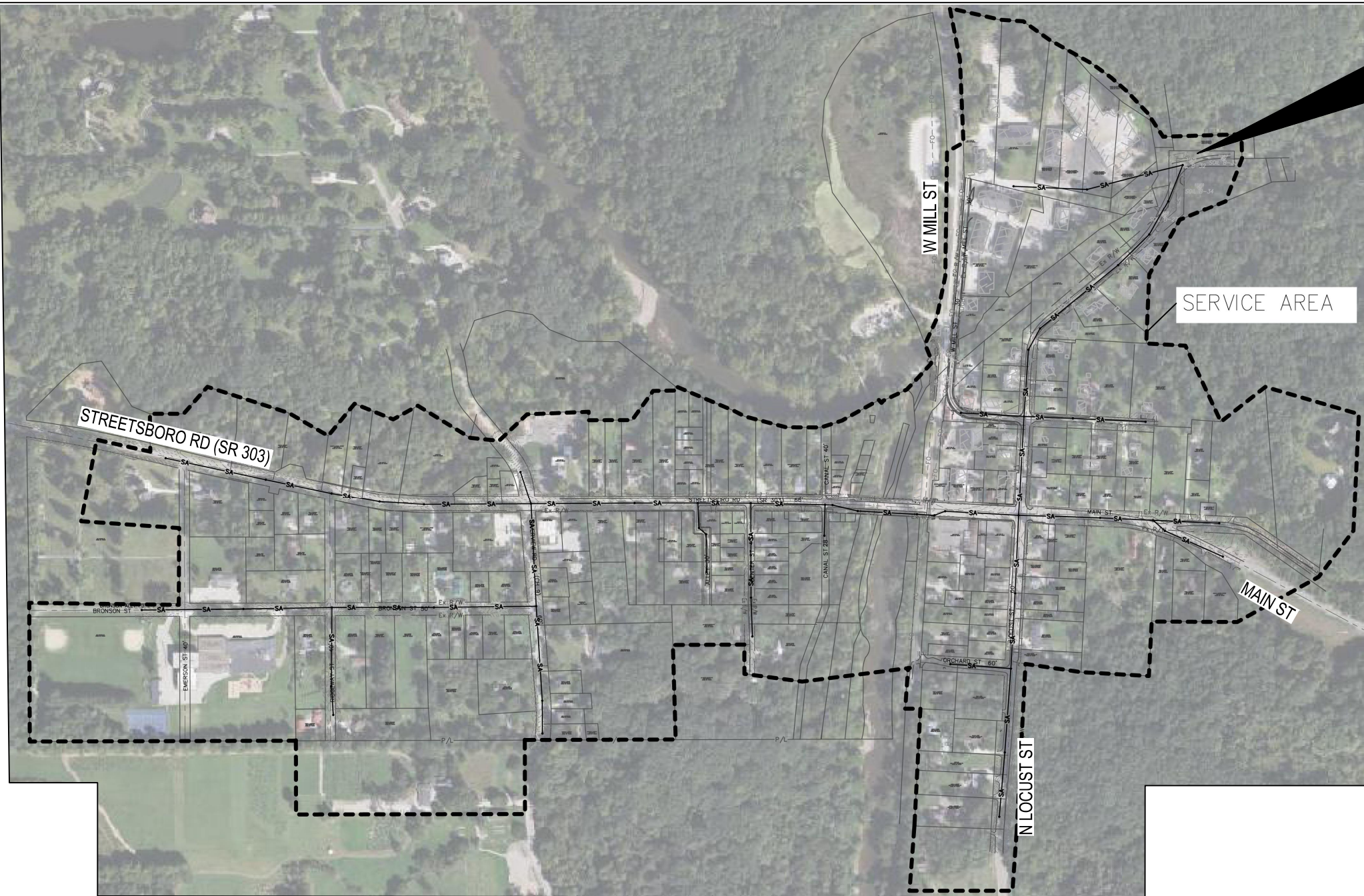
LOCATED IN THE VILLAGE OF PENINSULA

JUNE 2025

PART A: WATER RECLAMATION FACILITY AND WRF
OUTFALL SEWER (SHEETS G-2 - I-5)

PART B: SANITARY SEWERS
(SHEETS G-2, SS-1 - SS-42, AS-1, AS-2)

PART C: WATER MAINS (W-1 - W-15)



LOCATION MAP
NOT TO SCALE

ARCHITECT - BURGESS & NIPLE
SURVEYOR - ENVIRONMENTAL DESIGN GROUP
ENGINEER (CIVIL) - BURGESS & NIPLE AND ENVIRONMENTAL DESIGN GROUP
ENGINEER (ELECTRICAL) - SMR
ENGINEER (MECHANICAL/STRUCTURAL) - OSBORN ENGINEERING

ROBERT C. SCHREINER, P.E.,
BURGESS & NIPLE INC
PE NO. E-56882

DATE



SANITARY APPROVED BY OEPA LETTER DATED _____

APPROVALS

APPROVED _____ DATE _____
MICHAEL VINAY
DIRECTOR
DEPARTMENT OF SANITARY SEWER SERVICES

APPROVED _____ DATE _____
ROSS A. NICHOLSON, P.E.,
DEPUTY DIRECTOR
DEPARTMENT OF SANITARY SEWER SERVICES

SCOTT ELLSWORTH, P.E.,
ENVIRONMENTAL DESIGN GROUP
PE NO. E-61718

DATE

DENNIS W. STOFFER, P.S.,
ENVIRONMENTAL DESIGN GROUP
PS NO. 7604

DATE



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO:	Q-208
DWG FILE:	01-07_Q-000
DRAWN BY:	MSL
DATE:	06/06/2025
DESIGNED BY:	MSL
CHECKED BY:	RCS
APPROVED BY:	RCS

SHEET TITLE

TITLE SHEET

G-1

SHEET 1 OF 147



P:\P62180\06 CAD\Sheets\G-4 SYMBOLS.dwg 06/2025 8:03:51 AM Haley Farny PLOTTED: 06/2025 10:24:41 AM

LINE SYMBOLS

SITE PLANS AND PROFILE

	Ex R/W	RIGHT OF WAY
	R/W	NEW RIGHT OF WAY
	-FO- -FO-	EXISTING FIBER OPTIC
	G	NEW NATURAL GAS
	G	EX. NATURAL GAS
	ST	EXISTING STORM SEWER
	SD	NEW STORM SEWER, CATCH BASIN, INLET
	E	NEW BURIED ELECTRIC
	UGE	EXISTING BURIED ELECTRIC
	OHE	OVERHEAD ELECTRIC
	XX	NEW LINE AS NOTED
	NPW	NEW PLANT WATER
	CTV	BURIED CABLE TV
	...	STREAM/DITCH
	- . - . - . -	100-YEAR FEMA FLOOD PLAIN
	W	EXISTING WATER
	W	NEW WATER
	SS	EXISTING SANITARY SEWER
	SA	NEW SANITARY SEWER
	12+00	SURVEY BASELINE
	P/L	PROPERTY LINES
	1020	EXISTING CONTOUR (MAJOR)
	- - - - -	EXISTING CONTOUR (MINOR)
	1020	NEW CONTOUR
	X	EXISTING FENCE
	O	NEW CHAIN LINK FENCE
	SF	NEW SILT FENCE
	- - - - -	EX. GRAVEL DRIVE
	- - - - -	EX. EDGE OF PVMT (CONC/ASPH)
	- - - - -	EX. EDGE OF PVMT (GRAVEL)
	- - - - -	NEW EDGE OF PVMT

PLANS AND SECTIONS

	EXISTING BUILDING
	NEW BUILDING
	FUTURE
	CENTERLINE
	RAILING
	NEW STUD WALL
	1-HR FIRE RATED STUD WALL

NOTES:

- ADDITIONAL SYMBOLS WILL BE DESIGNATED AND USED AS NECESSARY.
- IN GENERAL, BOLD LINE WEIGHT SIGNIFIES DEMOLITION ITEMS OR NEW CONSTRUCTION ITEMS UNLESS OTHERWISE NOTED.

CONTROL

	PROJECT MARKER
	HORIZONTAL CONTROL POINT
	BRASS CAP FLUSH
	BRASS CAP HANDHOLE
	VERTICAL CONTROL POINT
	HORIZONTAL AND VERTICAL POINT
	BENCHMARK

MONUMENTS

	RIGHT OF WAY MARKER
	RAILROAD SPIKE FOUND
	RAILROAD SPIKE SET
	STUMP
	HUB FOUND
	HUB SET
	IRON PIPE FOUND
	IRON PIPE IN MONUMENT FOUND
	IRON PIN SET
	MONUMENT-CONCRETE
	PK NAIL SET
	PK NAIL FOUND
	STONE
	DRILL HOLE FOUND
	DRILL HOLE SET
	IRON PIN & CAP FOUND

FENCES

	EXISTING GUARDRAIL
	NEW GUARDRAIL

RAILROAD

	RAILROAD SIGNAL
--	-----------------

VEGETATION/TREES

	VEGETATION
	BUSH/SHRUB
	WETLANDS
	TREE (DECIDUOUS)
	EVERGREEN

GRADING SYMBOLS

	+ 962.0	FINISHED GRADE POINT ELEVATION
	C 962.9	= POINT DESCRIPTION AND ELEVATION
	N 1000.0	= GRID NORTHING
	E 1000.0	= GRID EASTING

SITE PLAN SYMBOLS

SANITARY SEWER

	SANITARY MANHOLE
	SANITARY CLEAN OUT

MISCELLANEOUS

	VENT
	TEST PIT
	MAILBOX
	B-1 BORE TEST HOLE AND NUMBER
	FLAG POLE
	BARREL
	GRAVEL
	PAVEMENT DELINEATOR
	2' DIA. PVC COVER
	CURB STOP

SIGN/TRAFFIC

	TRAFFIC SIGNAL BOX
	TRAFFIC SIGNAL POLE
	SIGN
	SIGN
	STREET SIGN
	MILE POST MARKER

WATER

	FIRE HYDRANT
	SPRINKLER CONTROL BOX
	SPRINKLER HEAD
	(IRRIGATION) STANDPIPE

	WATER METER
	WATERLINE MARKER
	WATER SHUTOFF VALVE
	WATER VALVE
	YARD HYDRANT
	IRRIGATION VALVE
	WELL
	VACUUM BREAKER

GAS

	GAS SHUT OFF VALVE
	GAS TEST
	GAS METER
	GAS MARKER
	GAS VALVE

STORM SEWER

	STORM MANHOLE
	FLOOR DRAIN
	CATCH BASIN
	INLET CATCH BASIN
	YARD DRAIN
	CURB INLET

ELECTRIC/TELEPHONE

	ELECTRICAL BOX
	ELECTRIC OUTLET
	TELE/POWER POLE
	ANCHOR POLE
	POWER TRANSFORMER
	PULL BOX
	YARD LIGHT
	POWER POLE
	LIGHT POLE
	POWER/LIGHT POLE
	NON-UTILITY POLE

TELEPHONE

	TELEPHONE MARKER
	TELEPHONE POLE
	TELEPHONE AND POWER POLE
	PHONE
	TELEPHONE SAC BOX
	TELEPHONE AND LIGHT POLE
	TELEPHONE ENCLOSURE

PAVEMENT SYMBOLS

	EXISTING PAVEMENT
	GRAVEL PAVEMENT
	NEW GRAVEL PARKING OR DRIVE AS NOTED
	NEW ASPHALT PAVEMENT
	NEW CONCRETE PAVEMENT
	NEW CONCRETE SIDEWALK

DEMOLITION SYMBOLS

	TO BE REMOVED OR ABANDONED IN PLACE AS NECESSARY
--	--

TWO LINE PIPING SYMBOLS

	FLANGED JOINT
	MECHANICAL JOINT
	BELL & SPIGOT JOINT
	SCREWED JOINT
	FLEXIBLE COUPLING
	EXPANSION COUPLING
	SLEEVE COUPLING
	FLANGED COUPLING ADAPTER
	WALL PIPE, FLANGE MECHANICAL JOINT
	WALL SLEEVE
	MECHANICAL JOINT SLEEVE (TAPPED FOR STUDS)
	FLANGE (TAPPED FOR STUDS) PLAIN END
	FLANGE-FLANGE (TAPPED FOR STUDS)
	MECHANICAL JOINT-MECHANICAL JOINT (TAPPED FOR STUDS)
	GATE VALVE
	CHECK VALVE
	BUTTERFLY VALVE
	PLUG VALVE
	BALL VALVE
	WEDGE GATE VALVE
	GLOBE VALVE * REPRESENTS FUNCTION
	METER
	BALL CHECK VALVE
	PRESSURE REDUCING VALVE
	END OF PIPE

SECTION SYMBOLS

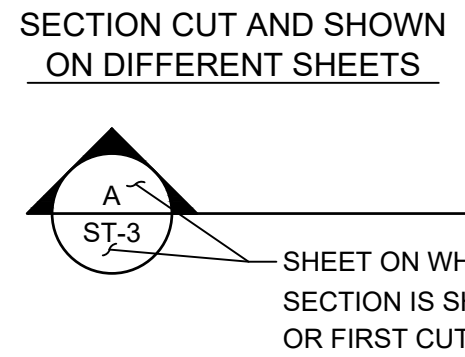
	CUT CONCRETE (CAST IN PLACE)
	CONCRETE (PRECAST)
	CONCRETE BLOCK
	BRICK
	STRUCTURAL GLAZED TILE
	METAL
	INSULATION
	WOOD
	EXISTING GRADE, STRUCTURES
	FINISHED GRADE
	UNDISTURBED SUBGRADE
	ROCK
	POROUS BACKFILL
	COMPACTED GRANULAR BACKFILL OR COMPACTED FOUNDATION
	GRATING
	PRECAST ROOF DECK
	LEVER OPERATOR
	PNEUMATIC OPERATOR
	MOTOR OPERATOR
	SOLENOID OPERATOR
	WRENCH OPERATOR
	FLEXIBLE CONNECTOR
	PRESSURE GAUGE
	SLEEVE
	SOLENOID VALVE
	THERMOMETER
	TRAP
	UNION
	VACUUM BREAKER
	WYE STRAINER
	PRESSURE RELIEF VALVE
	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY
	REDUCER/INCREASER
	METER
	FLOW
	UP
	DOWN
	AIR RELEASE VALVE
	ALTITUDE VALVE
	BACKPRESSURE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	DIAPHRAGM VALVE
	GATE VALVE
	GLOBE VALVE
	GLOBE VALVE (ANGLE)
	HOSE BIBB OR WALL HYDRANT
	CORP STOP
	NEEDLE VALVE
	PLUG VALVE
	PRESSURE REDUCING VALVE
	3-WAY VALVE
	4-WAY VALVE
	CHAIN WHEEL OPERATOR
	FLOAT OPERATOR
	HANDWHEEL OPERATOR
	HYDRAULIC OPERATOR
	EXISTING PIPE
	NEW PIPE
	PUMP

SCHEMATIC PIPING SYMBOLS

LABEL SYMBOLS

00 = CODED NOTE

SECTION DESIGNATIONS



100% SUBMITTAL



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO:	Q-208
DWG FILE:	01-10 Q-000
DRAWN BY:	ADW
DATE:	06/06/2025
DESIGNED BY:	MSL
CHECKED BY:	RCS
APPROVED BY:	RCS

SHEET TITLE

SYMBOLS

G-4

SHEET 4 OF 147

- THE TERM "CONTRACTOR" AS USED IN THESE GENERAL NOTES, SHALL REFER TO THE GENERAL CONTRACTOR OF CONTRACT, AS APPROPRIATE.
2. EXISTING SITE INFORMATION SHOWN ON THESE DRAWINGS IS FROM A SURVEY PERFORMED BY ENVIRONMENTAL DESIGN GROUP. THIS INFORMATION HAS BEEN PRESUMED TO BE AN ACCURATE REPRESENTATION OF THE CONDITIONS AT THE SITE. WORK PERFORMED AT EACH SITE OR WITHIN THE PUBLIC RIGHT-OFF-WAY SINCE THE DATE OF THE SURVEY MAY NOT BE SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AT EACH SITE AND REPORT SIGNIFICANT DIFFERENCES, IF ANY, TO THE OWNER IMMEDIATELY.
3. THE LOCATION OF KNOWN EXISTING UNDERGROUND UTILITIES ARE SHOWN ON THE PLANS AND ARE BELIEVED TO BE ESSENTIALLY CORRECT. THE LOCATIONS WERE OBTAINED FROM THE OWNERS OF THE UTILITIES AS REQUIRED BY SECTION 153.64 O.R.C. NO GUARANTEE IS MADE RELATIVE TO THE COMPLETENESS OR ACCURACY AND THE CONTRACTOR IS REQUIRED TO CONTACT THE REGISTERED UTILITY PROTECTION SERVICE AND THE OWNERS OF EACH UNDERGROUND UTILITY FACILITY SHOWN ON THE PLANS AT LEAST THREE WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION IN ANY AREA.
4. ALL EXISTING UTILITIES, SERVICES, POLES, AND CONNECTIONS SHALL BE PROTECTED AT THE CONTRACTOR'S EXPENSE. IF DAMAGE IS CAUSED BY CONSTRUCTION TO ANY EXISTING UTILITY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR RESTORATION OF SAME, IN ACCORDANCE WITH THE DIRECTIONS OF THE ENGINEER AND FOR ANY RESULTING CONTINGENT DAMAGES.
5. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES, OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL LOCATION OF THE UTILITY OR STRUCTURE AND ITS EFFECT ON THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WORK WITH THE UTILITY OWNER.
6. OSHA PROHIBITS CRANE AND BACKHOE OPERATIONS WITHIN 10-FOET OF ENERGIZED PRIMARY CONDUCTORS. TEMPORARY RELOCATION OF ELECTRICAL UTILITIES, INCLUDING RESTRAINT OF POLES, RELOCATION OF POLES, AND RUBBER COVERING OF ENERGIZED CONDUCTORS MAY BE REQUIRED. THE COORDINATION AND COST OF THESE SERVICES IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR MAY RESTRAIN POLES IF THE METHOD OF SUPPORT HAS BEEN SUBMITTED TO, AND APPROVED BY, THE UTILITY OWNER.
7. ANY EXISTING PROPERTY CORNER PINS OR MONUMENTS DAMAGED OR DESTROYED BY CONSTRUCTION SHALL BE RESET BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE UPON COMPLETION OF THE PROJECT AND PRIOR TO FINAL PAYMENT. A CERTIFICATION SHALL BE FURNISHED BY A REGISTERED SURVEYOR, STATING THAT SAID PINS AND MONUMENTS HAVE BEEN RESTORED.
8. CONTRACTOR SHALL KEEP ALL WORK WITHIN THE RIGHT-OF-WAYS, EASEMENT AND CONSTRUCTION LIMITS SHOWN ON THE PLANS.
9. ELEVATION BENCHMARKS ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELEVATIONS AND DIMENSIONS AND MAKE ADJUSTMENTS ACCORDINGLY UNDER THE DIRECTION OF THE ENGINEER.
10. REMOVE AND STOCKPILE ALL TOPSOIL PRIOR TO ANY EXCAVATING. TOPSOIL RESPREAD SHALL BE PLACED AT A MINIMUM THICKNESS OF 4 INCHES.
11. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF ALL CONSTRUCTION DEBRIS INCLUDING BUT NOT LIMITED TO EXCESS SOIL, ROCK, OR ANY OTHER TYPE MATERIALS. THE CONTRACTOR SHALL NOT FILL ANY WETLANDS, LOW LANDS, FLOOD PLAINS, OR DRAINAGE WAYS WITH SAID DEBRIS WITHOUT OBTAINING PROPER APPROVALS, PERMITS, LICENSES, ETC. FROM LOCAL, STATE, OR FEDERAL AGENCIES.
12. THE CONTRACTOR SHALL PROVIDE SITE EROSION CONTROL TO PREVENT RUNOFF WATER FROM THE SITE FROM CARRYING SAND, SILT, DIRT, ETC. ONTO PRIVATE PROPERTY, OR INTO ANY STORM SEWER OR DRAINAGE CHANNEL. EROSION CONTROL SHALL CONFORM WITH THE REQUIREMENTS OF THE PLANS AND SPECIFICATION SECTION 01 57 13.
13. ALL DISTURBED AREAS OUTSIDE OF THE WALKS, DRIVES, AND STRUCTURES SHALL BE SEEDED AND MULCHED AFTER THE AREAS HAVE BEEN FINISHED GRADED AND TOPSOIL HAS BEEN ADDED. FINAL SEEDING AND MULCHING SHALL BE IN ACCORDANCE WITH SECTION 32 90 02, SEEDING AND GRADING.
14. THE CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY SUCH AS CALCIUM CHLORIDE, WATER OR A MOTORIZED DUST-FREE STREET SWEEPING DEVICE, AS DIRECTED BY THE ENGINEER, TO MAINTAIN ALL ROADWAYS BEING USED NEAR THE CONSTRUCTION SITE.
15. RESTORE DISTURBED AREAS TO PRECONSTRUCTION CONDITION.
16. THE CONTRACTOR SHALL USE COMPACTED GRANULAR BACKFILL CONFORMING TO SECTION 31 23 00 IN ALL TRENCHES UNDER PROPOSED OR EXISTING PAVEMENT. EXISTING PAVEMENT SHALL BE REPLACED UNDER THE DIRECTION OF THE ENGINEER. PAVEMENT REPLACEMENT FOR UTILITY TRENCHES (ALL CONDUITS AND ELECTRICAL DUCT BANKS) IN EXISTING ASPHALT DRIVES AND PARKING AREAS THAT ARE DESIGNATED TO BE RESURFACED SHALL CONSIST OF A MINIMUM OF SIX (6) INCHES OF ODOT ITEM 301 ASPHALT CONCRETE BASE AND TWO (2) INCHES OF ODOT ITEM 402 ASPHALT CONCRETE TO THE EXISTING PAVEMENT GRADE. ASPHALT CONCRETE PAVEMENT SHALL BE PLACED IN ACCORDANCE WITH THE WEATHER AND TEMPERATURE LIMITATIONS OF ODOT ITEM 401.05. THIS WORK IS TO BE PAID FOR AS PART OF THE RESPECTIVE CONTRACTOR'S BASE BID LUMP SUM PRICE. THE RESURFACING OF THESE AREAS WILL BE PER THE PLANS AND SPECIFICATIONS.
17. ALL YARD PIPING SHALL BE SLOPED UNIFORMLY BETWEEN GIVEN ELEVATIONS UNLESS APPROVED OTHERWISE. WHERE UNIFORMLY SLOPED PIPING IS NOT FEASIBLE, THE CONTRACTOR SHALL PROVIDE VERTICAL BENDS OR OFFSETS AS NECESSARY. REALIGNMENT SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

- ### UTILITY CONTACT INFORMATION

1. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST TWO (2) WORKING DAYS PRIOR TO WORK IN THE VICINITY OF THEIR UNDERGROUND AND/OR OVERHEAD LINES. CONTACT OHIO UTILITIES PROTECTION SERVICE, 1-800-362-2764, AND OIL AND GAS PRODUCERS UNDERGROUND PROTECTION SERVICE, 1-800-925-0988. NON-MEMBER UTILITIES MUST BE CONTACTED DIRECTLY.

CHARTER COMMUNICATIONS (SPECTRUM)
866-874-2389

ENBRIDGE GAS OHIO
800-362-7557

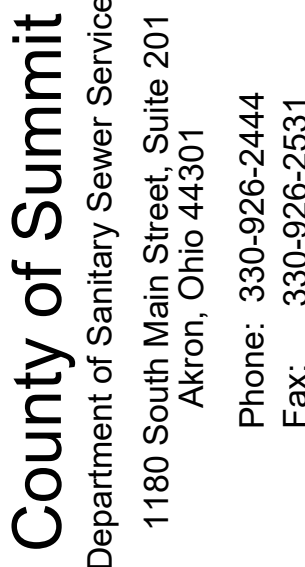
FIRST ENERGY (OHIO EDISON)
330-830-7092

PROHIBITED CONSTRUCTION ACTIVITIES

1. DISPOSING OF EXCESS OR UNSUITABLE EXCAVATED MATERIAL IN WETLANDS OR FLOOD PLAINS
EVEN WITH THE PERMISSION OF THE PROPERTY OWNER.
2. LOCATING STOCKPILE STORAGE AREAS IN ENVIRONMENTALLY
SENSITIVE AREAS.
3. INDISCRIMINATE, ARBITRARY, OR CAPRICIOUS OPERATION OF
EQUIPMENT IN ANY STREAMS OR STREAM CORRIDORS, ANY WETLANDS,
ANY SURFACE WATERS, OR OUTSIDE THE EASEMENT LIMITS.
4. PUMPING OF SEDIMENT-LADEN WATER FROM TRENCHES OR OTHER
EXCAVATIONS DIRECTLY INTO ANY SURFACE WATERS, ANY STREAM
CORRIDORS, ANY WETLANDS, OR STORM SEWERS; ALL SUCH WATER
WILL BE PROPERLY FILTERED OR SETTLED TO REMOVE SILT PRIOR TO
RELEASE.
5. DISCHARGING POLLUTANTS SUCH AS CHEMICALS, FUELS, LUBRICANTS,
BITUMINOUS MATERIALS, RAW SEWAGE AND OTHER HARMFUL WASTE
INTO OR ALONGSIDE OF RIVERS, STREAMS, IMPOUNDMENTS, OR INTO
NATURAL OR MAN-MADE CHANNELS LEADING THERETO.
6. PERMANENT OR UNSPECIFIED ALTERATION OF THE FLOW LINE OF ANY EPHEMERAL
STREAM.
7. DAMAGING VEGETATION OUTSIDE OF THE CONSTRUCTION AREA.
8. DISPOSAL OF TREES, BRUSH AND OTHER DEBRIS IN ANY STREAM
CORRIDORS, ANY WETLANDS, ANY SURFACE WATERS, OR AT
UNSPECIFIED LOCATIONS.
9. OPEN BURNING OF PROJECT DEBRIS.
10. UNAPPROVED ALTERATION OF ANY OPERATING PROCESS, PLUMBING OR CHEMICAL FLOW.
11. STORING CONSTRUCTION EQUIPMENT AND VEHICLES AND/OR
STOCKPILING CONSTRUCTION MATERIALS ON PROPERTY, PUBLIC OR
PRIVATE, NOT PREVIOUSLY SPECIFIED ON THE PLANS BY THE
ENGINEER FOR SUCH PURPOSES.

DEMOLITION GENERAL NOTES

1. EXISTING YARD PIPING DESIGNATED TO BE ABANDONED SHALL BE REMOVED AS NECESSARY AND DISPOSED OF OFF SITE. YARD PIPING ABANDONED IN PLACE SHALL BE SEVERED AND PLUGGED WITH CLASS C FILL CONCRETE TO PREVENT SETTLEMENT, UNLESS NOTED OTHERWISE. UNDERGROUND UTILITIES DESIGNATED FOR REMOVAL ON THE PLANS THAT DO NOT INTERFERE WITH THE NEW WORK MAY BE ABANDONED IN PLACE AS DIRECTED BY THE OWNER.
2. SEE SPECIFICATIONS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
3. ALL CONCRETE TO BE DEMOLISHED SHALL BE ASSUMED TO BE STEEL REINFORCED THROUGHOUT FOR BASE BIDS.
4. ALL MATERIALS AND EQUIPMENT IDENTIFIED FOR REMOVAL SHALL BE REMOVED, DISPOSED AND/OR RECYCLED ACCORDING TO CURRENT REGULATORY REQUIREMENTS.
5. SAFEGUARDS ARE REQUIRED DURING CONSTRUCTION OR DEMOLITION PER OBC 3301.1. EXITS, FIRE PROTECTION, STRUCTURAL ELEMENTS, FIRE DETECTION, AND SANITARY SAFEGUARDS SHALL BE MAINTAINED DURING CONSTRUCTION OR DEMOLITION ACTIVITIES.



164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

[illegible]

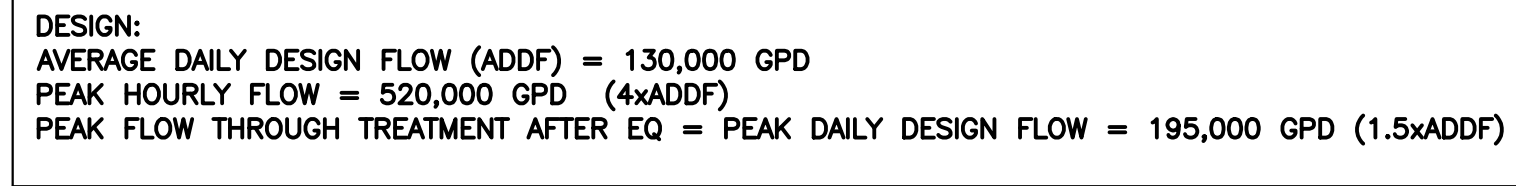
SHEET TITLE








GENERAL NOTES

G-5

SHEET 5 OF 147

1. THE FLOW SPLITTER STRUCTURE AT EQUALIZATION CAN SPLIT FLOWS TO ANY TANK AS WELL AS BYPASS THE EQ. TANK.
2. DURING LOW FLOW CONDITIONS AERATION TANKS 2(4) CAN BE OPERATED INDIVIDUALLY. EACH TRAIN CAN OPERATE INDIVIDUALLY AS A PAIR (TANKS 1&3 OR 2&4) DURING NORMAL/AVERAGE FLOW. AT PEAK FLOWS ALL TANKS CAN OPERATE WITH EQUALIZED FLOW FROM SPLITTER STRUCTURE.

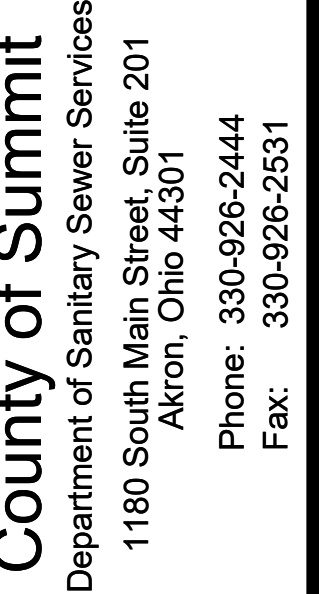


- | | |
|---|-------------------------|
|  | KEY |
|  | CHECK VALVE |
|  | VALVE OR GATE |
|  | PUMP OR BLOWER |
|  | DIRECTION OF FLOW |
| ML | MIXED LIQUOR |
| RAS | RETURN ACTIVATED SLUDGE |
| WAS | WASTE ACTIVATED SLUDGE |
|  | FLOW METER |
|  | ALTERNATIVE OR FUTURE |
| NPW | NON POTABLE WATER |

CODED NOTES:

1. SCUM REMOVAL PIPING AND AIRLIFT PUMPS NOT SHOWN
2. FROM RAS PUMPS

100% SUBMITTAL



164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

[illegible]

PROJECT NO:	Q-208
DWG FILE:	01-10_Q-000
DRAWN BY:	ADW
DATE:	06/06/2025
DESIGNED BY:	MSL
CHECKED BY:	RCS
APPROVED BY:	RCS

SHEET TITLE

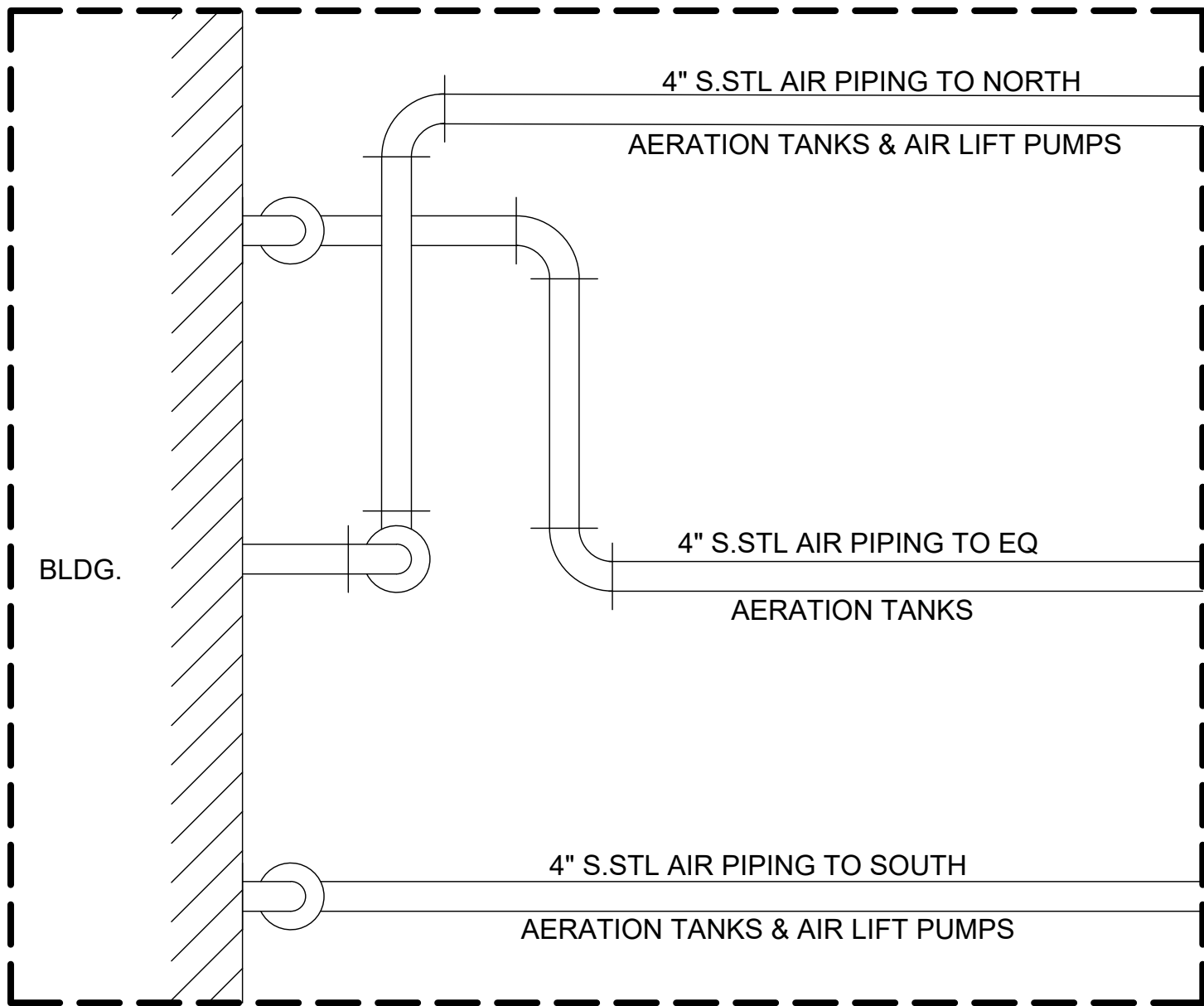
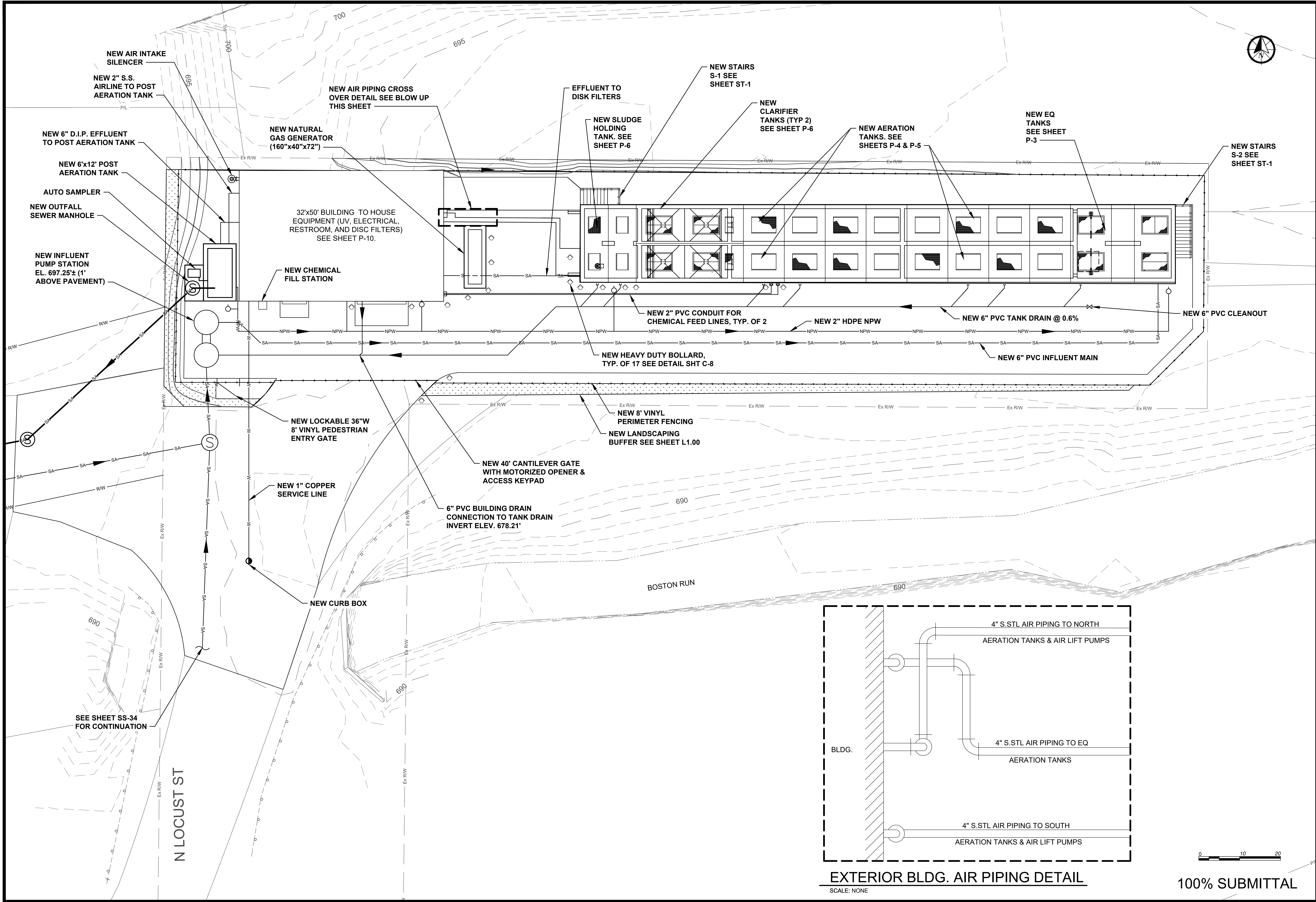
PLANT WASTEWATER PROCESS FLOW SCHEMATIC

G-6

SHEET 6 OF 147

PLOTTED: 06/06/2025 2:50:22 PM

P:\PR62\180\06 CAD\Sheets\P-1 WRF OVERALL PLAN.dwg 6/6/2025 2:19:16 PM Haley Famy



EXTERIOR BLDG. AIR PIPING DETAIL

SCALE: NONE

100% SUBMITTAL



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308
B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	DESCRIPTION	BY

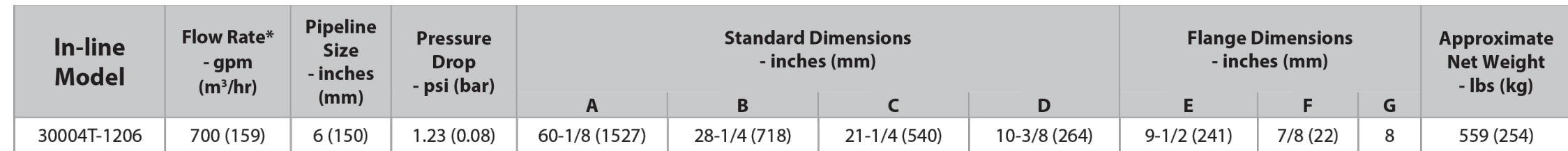
PROJECT NO:	Q-208
DWG FILE:	01-10 Q-000
DRAWN BY:	ADW
DATE:	06/06/2025
DESIGNED BY:	MSL
CHECKED BY:	RCS
APPROVED BY:	RCS

SHEET TITLE

WRF OVERALL PLAN

P-1

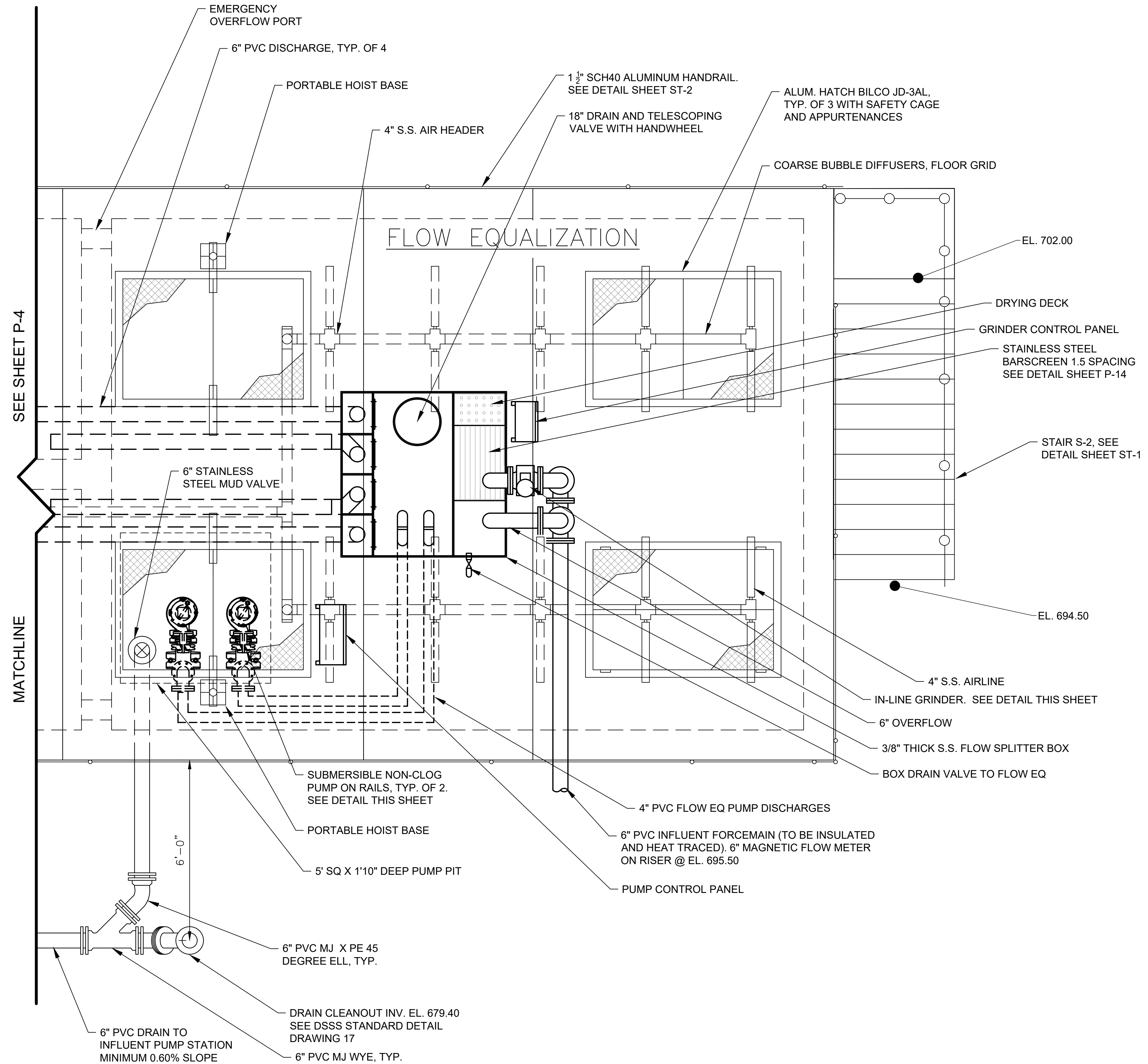
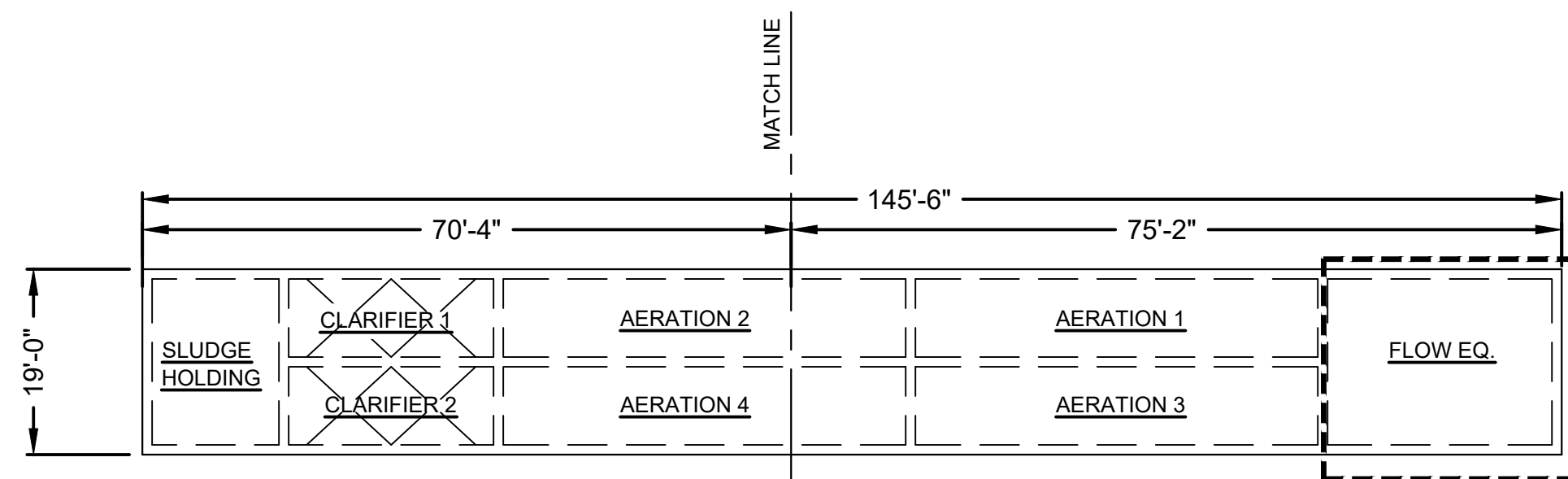
SHEET 8 OF 147



IN-LINE GRINDER DETAIL



SCALE: NOT TO SCALE



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



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301

Phone: 330-926-2444
Fax: 330-926-2531

AKRON, OHIO 44308



Environmental Sustainability

Project # Q-208

ВНЕШНИЙ ТИПО

[illegible]

PROJECT NO:	Q-208
WWG FILE:	01-10_Q-000
DRAWN BY:	ADW
DATE:	06/06/2025
DESIGNED BY:	MSL
CHECKED BY:	RCS
APPROVED BY:	RCS

SHEET TITLE

QUALIZATION TANK ENLARGED VIEW

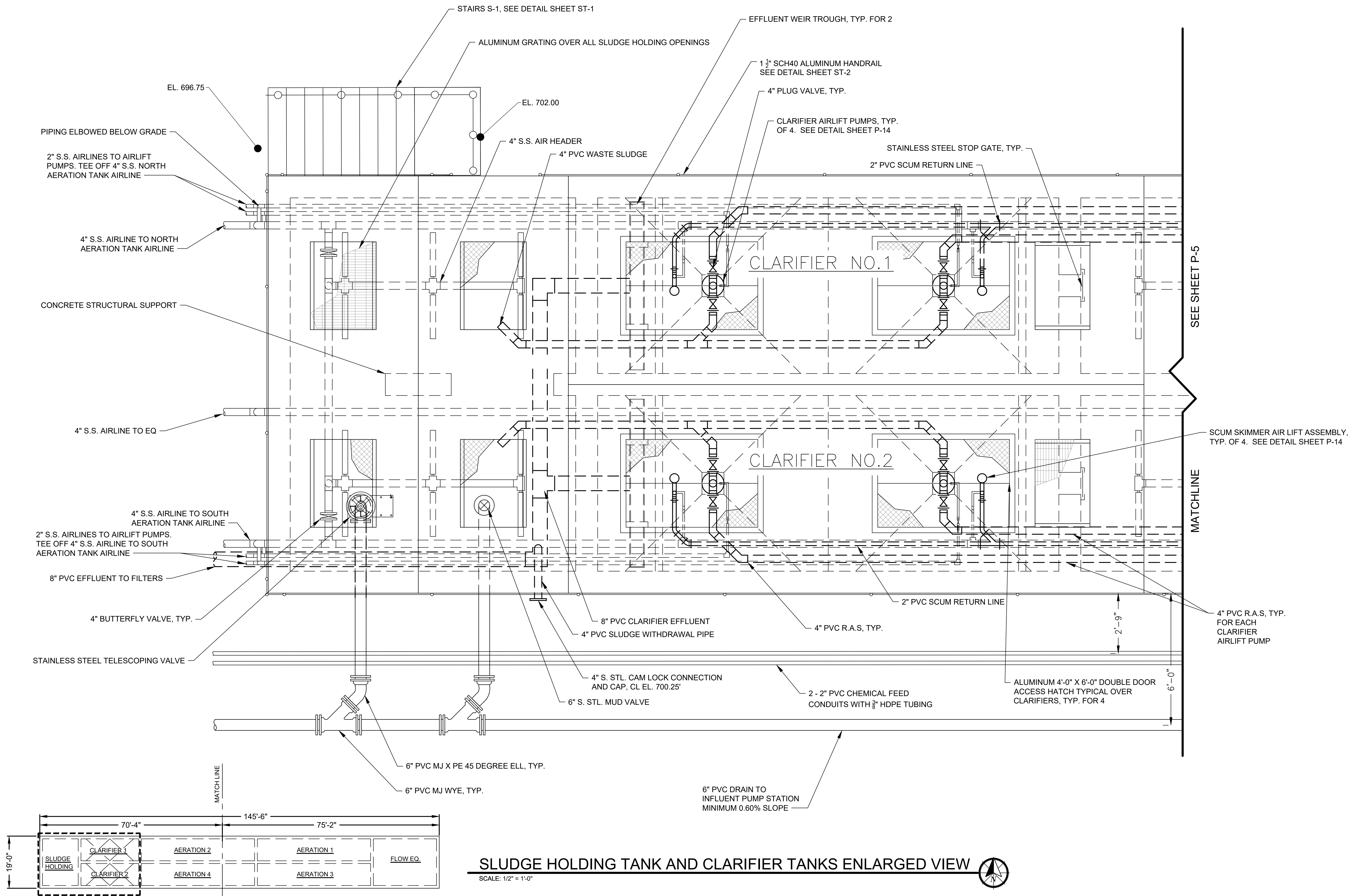
P-3

PAGE 10 OF 147



P-5

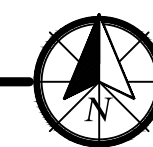
SHEET 12 OF 147



DRAWING KEY- NTS

SLUDGE HOLDING TANK AND CLARIFIER TANKS ENLARGED VIEW

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



100% SUBMITTAL



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	DESCRIPTION	BY

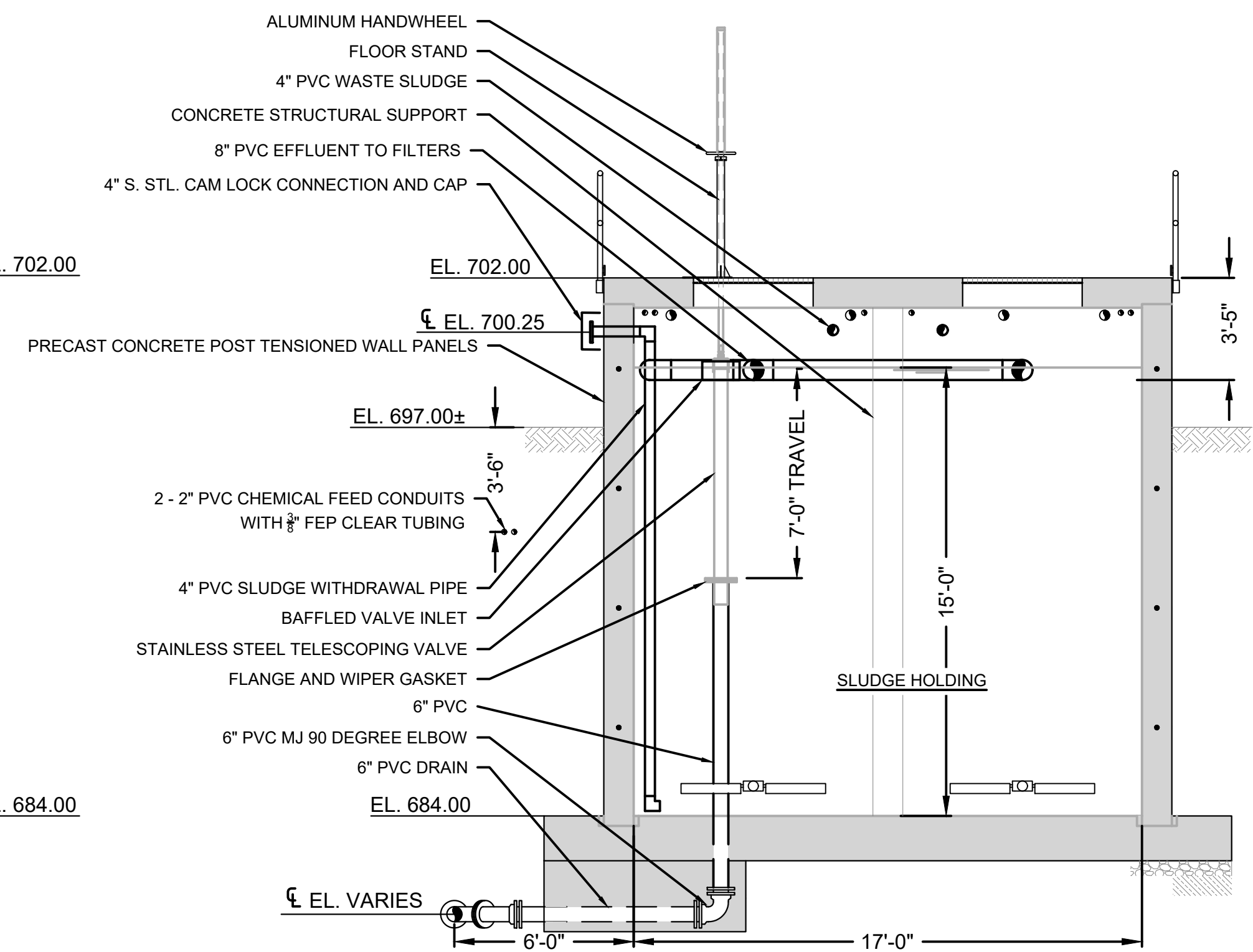
PROJECT NO:	Q-208
DWG FILE:	01-10 Q-000
DRAWN BY:	ADW
DATE:	06/06/2025
DESIGNED BY:	MSL
CHECKED BY:	RCS
APPROVED BY:	RCS

SHEET TITLE

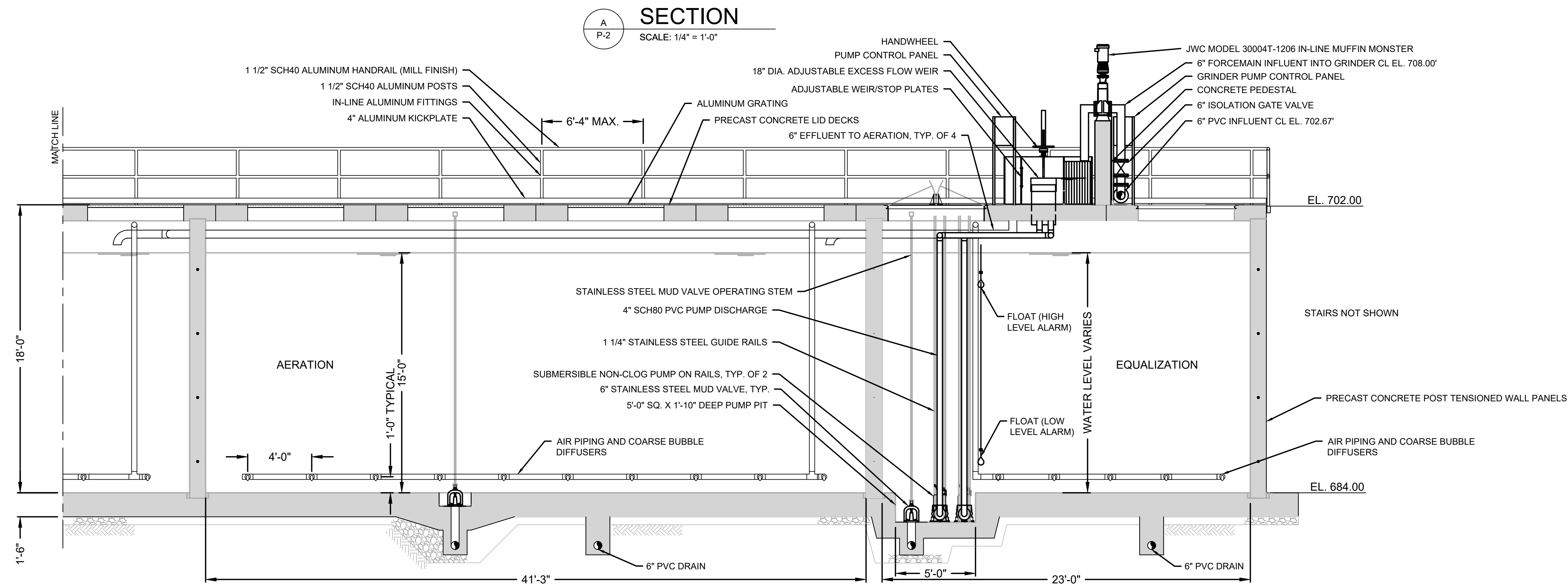
SLUDGE HOLDING
TANK AND CLARIFIER
TANKS ENLARGED
VIEW

P-6

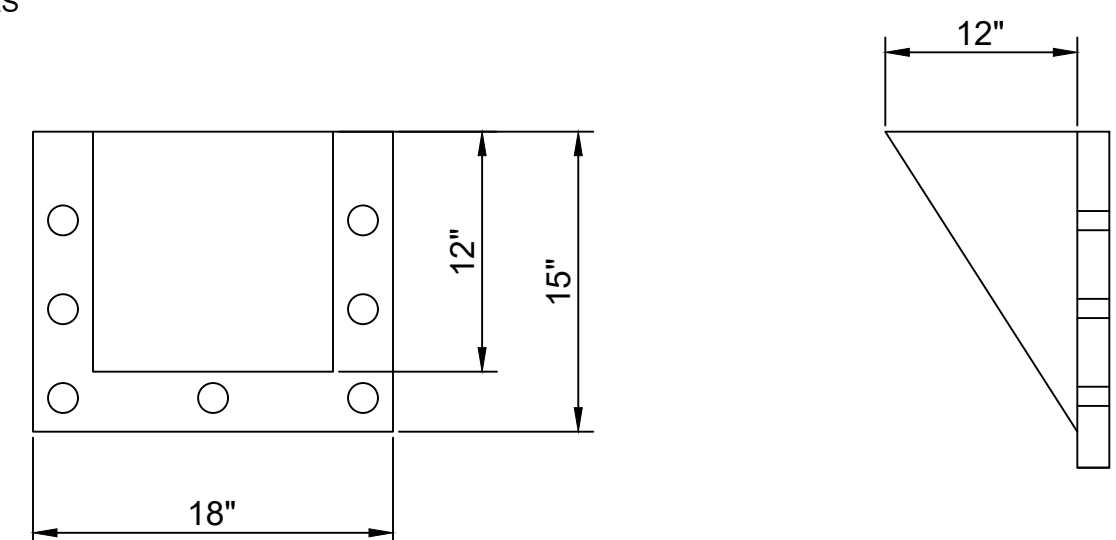
SHEET 13 OF 147



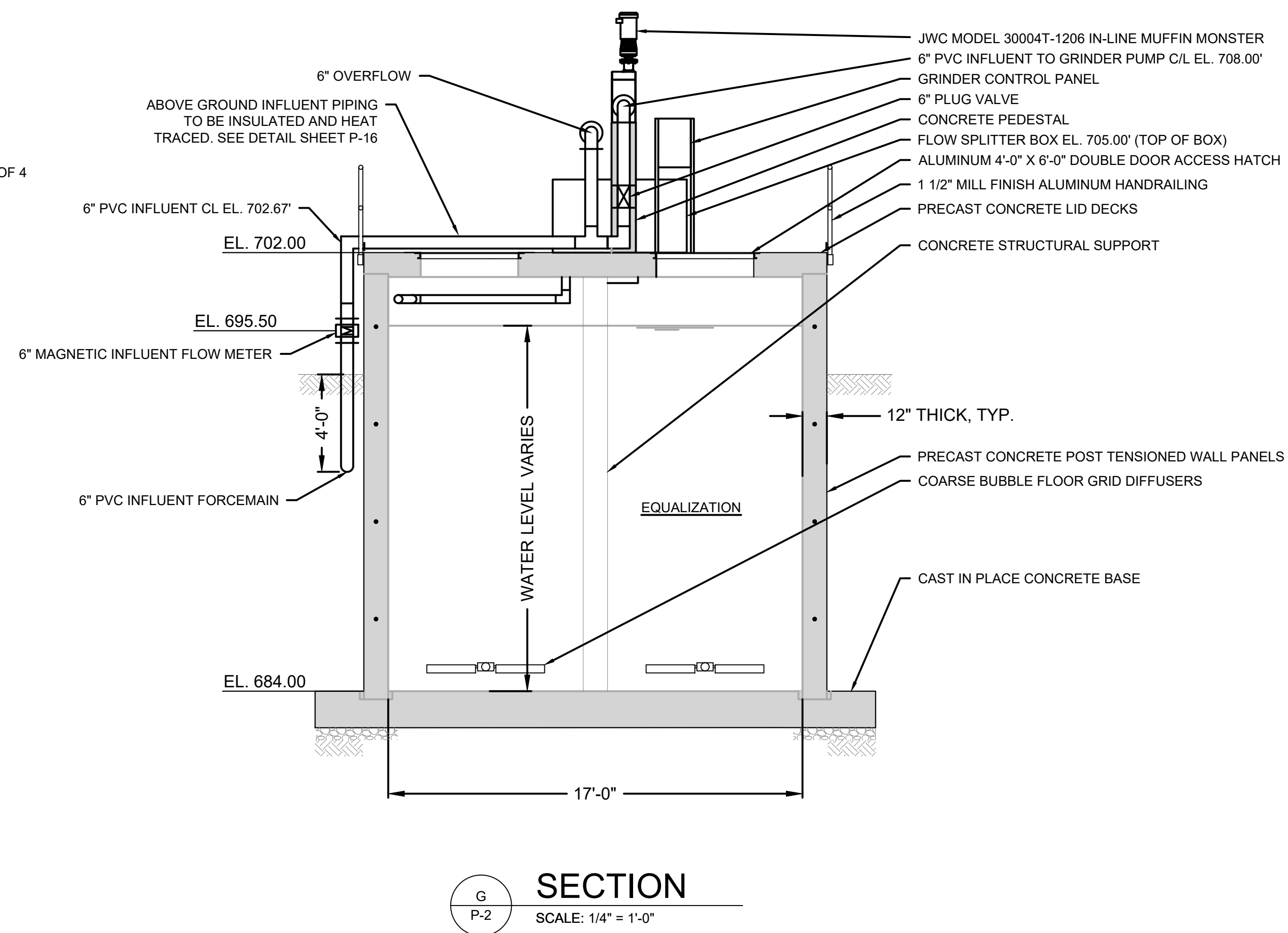
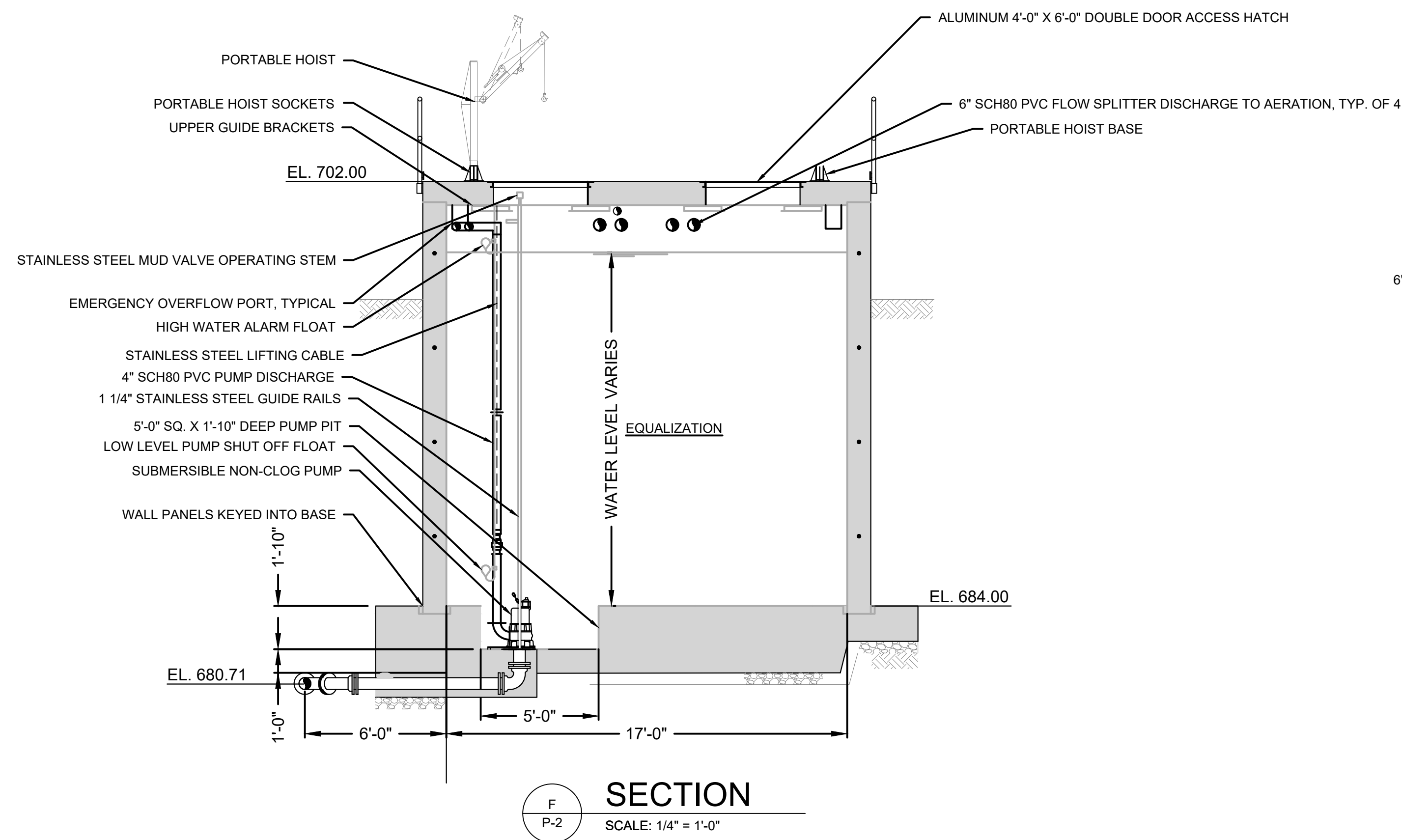
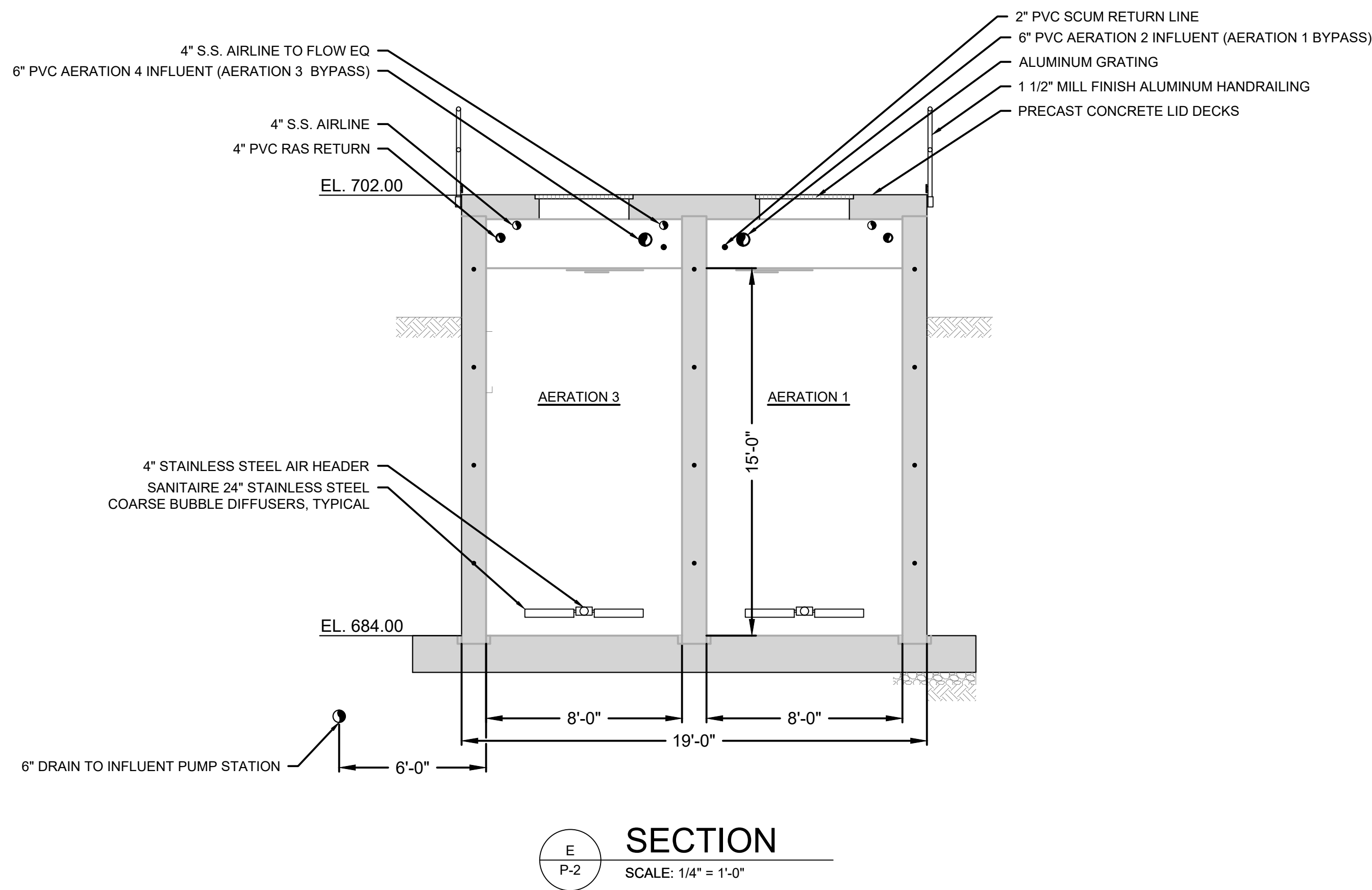
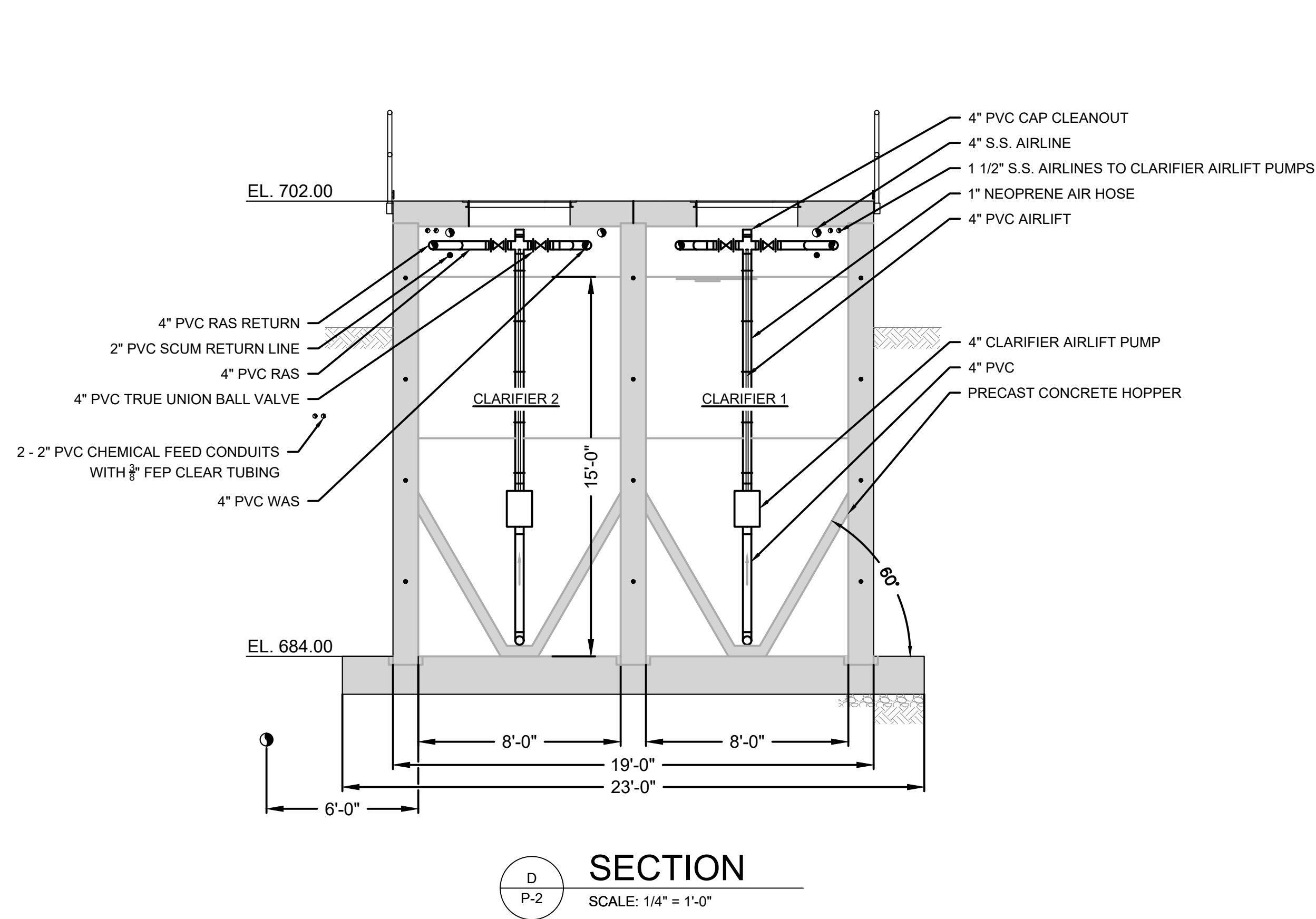
C
P-2



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



STAINLESS STEEL TURN UP BAFFLE DETAIL



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO:	Q-208
DWG FILE:	01-10 Q-000
DRAWN BY:	ADW
DATE:	06/06/2025
DESIGNED BY:	MSL
CHECKED BY:	RCS
APPROVED BY:	RCS

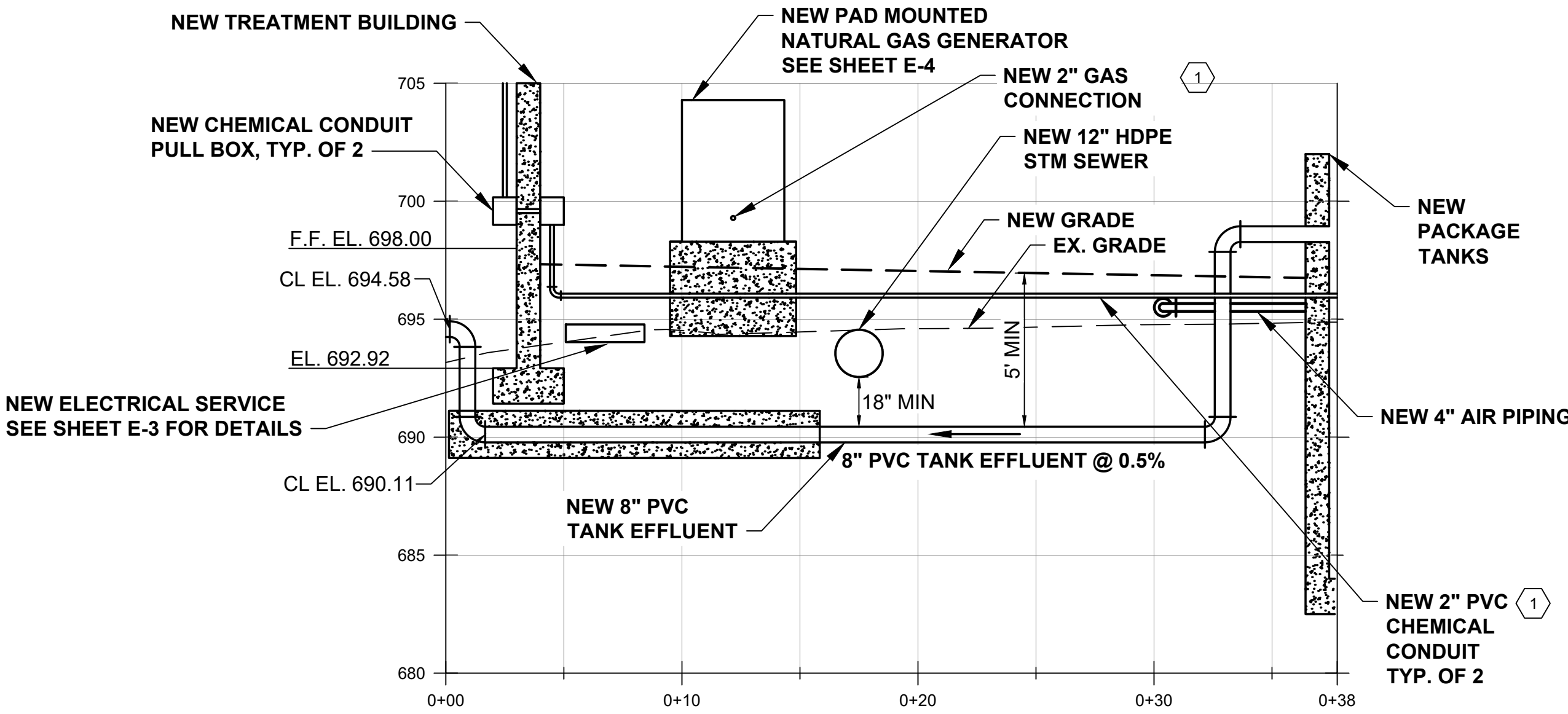
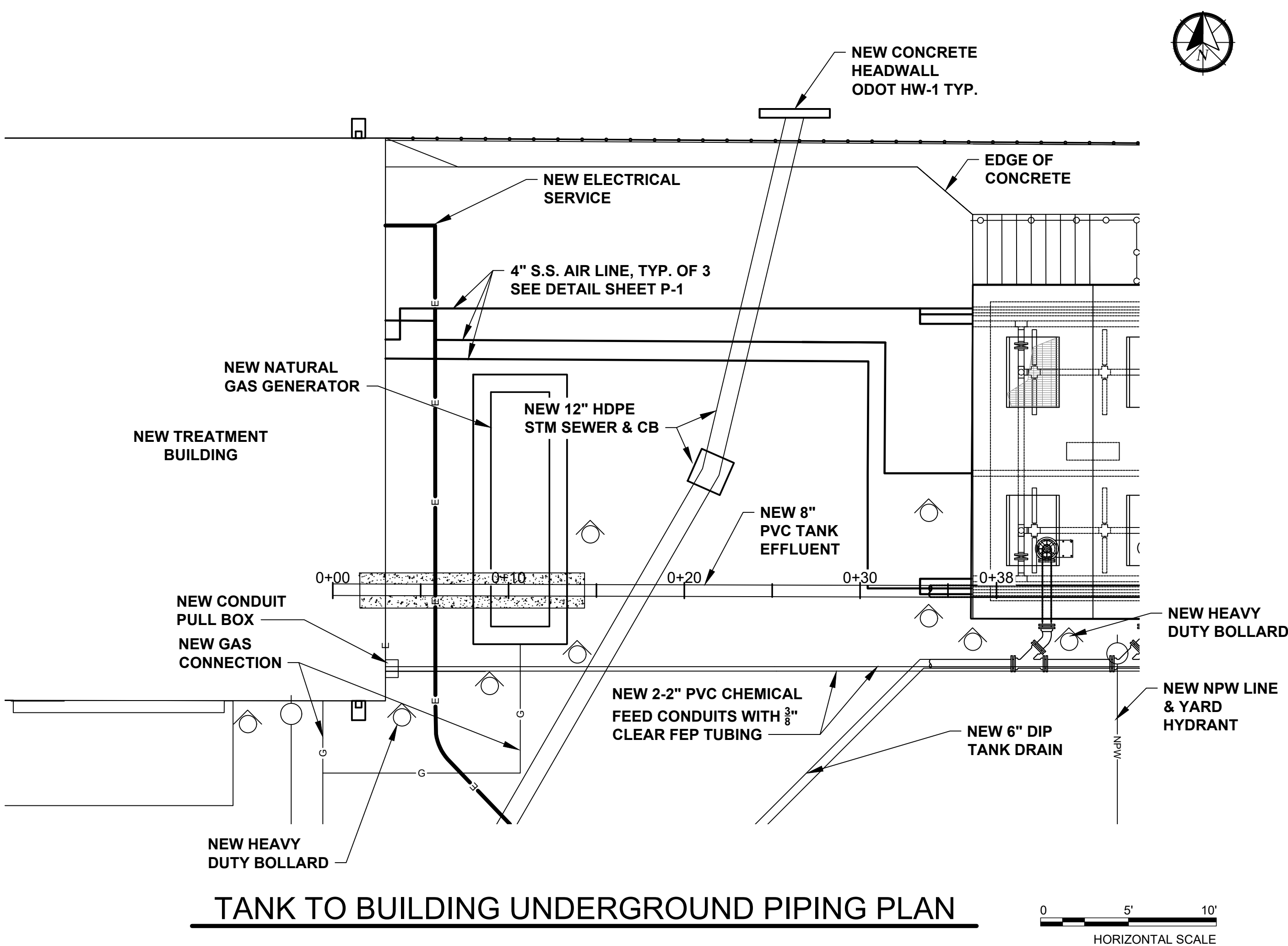
SHEET TITLE

WRF SECTIONS 2

P-8

SHEET 15 OF 147

100% SUBMITTAL



TANK TO BUILDING UNDERGROUND PIPING PROFILE

- CODED NOTES:
- CHEMICAL FEED CONDUIT AND GAS CONNECTION ARE IN FRONT OF 8" PVC TANK EFFLUENT, BUT ARE SHOWN IN PROFILE FOR CLARIFICATION.

100% SUBMITTAL



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO:	Q-208
DWG FILE:	01-10 Q-000
DRAWN BY:	ADW
DATE:	06/06/2025
DESIGNED BY:	MSL
CHECKED BY:	RCS
APPROVED BY:	RCS

SHEET TITLE

WRF TANK TO
BUILDING PIPING
PLAN AND PROFILE

P-9

SHEET 16 OF 147

1. PVC TO DIP TRANSITION COUPLING. DIP INSIDE 1' FROM EDGE OF FOOTER.
2. 6" DIP DISK FILTER BYPASS, ∇ ELEVATION 694.58'.
3. 6"x6" MJ TEE ∇ ELEVATION 694.58'
4. WALL SLEEVE W/ LINK SEAL ∇ ELEVATION 690.11.
5. 6" FLANGED 90-DEGREE ELBOW, ∇ ELEVATION 697.00'.
6. WALL SLEEVE W/ LINK SEAL ∇ ELEVATION 699.50'.

7. WALL SLEEVE W/ LINK SEAL ④ ELEVATION 694.58'.
8. 6" B'FLY VALVE AND WALL FLANGE ④ ELEVATION 694.58' WITH NUT OPERATOR AND OPEN IN GRATING FOR OPERATION W/ T-WRENCH.
9. WALL SLEEVE W/ LINK SEAL ④ ELEVATION 709.25'.
10. 6" FLxFL PLUG VALVE, ④ ELEVATION 694.58', WITH NUT OPERATOR AND OPEN IN GRATING FOR OPERATION W/ T-WRENCH.
11. CONTROL PANEL. BOTTOM OF PANEL TO BE AT 701.00'.

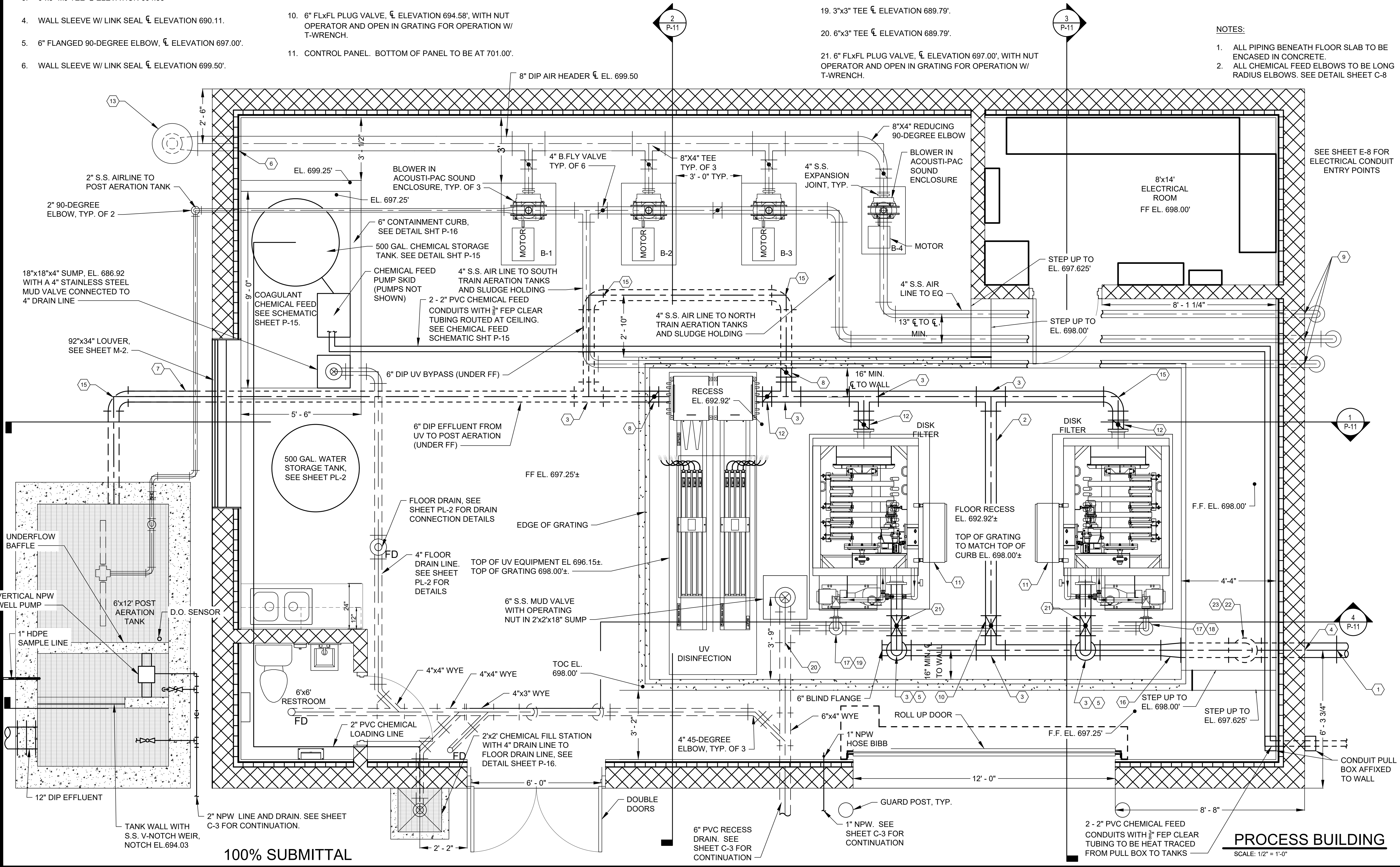
12. 6" FLXFL BUTTERFLY VALVE 1/2" ELEVATION 694.58" WITH NUT OPERATOR AND OPEN IN GRATING FOR OPERATION W/ T-WRENCH.
13. SOLBERG AIR INTAKE SILENCER MODEL #2G-377P-600F OR EQUAL, WITH 6"x8" REDUCING 90-DEGREE ELBOW.
14. NOT USED.

15. 6" MJ 90-DEGREE ELBOW ㄣ ELEVATION 694.58'.
16. 8"x6" REDUCER W/ WALL FLANGE ㄣ ELEVATION 694.58'.
17. 3" 90-DEGREE ELBOW ㄣ ELEVATION 696.35'.
18. 3" 90-DEGREE ELBOW ㄣ ELEVATION 689.79'.
19. 3"x3" TEE ㄣ ELEVATION 689.79'.
20. 6"x3" TEE ㄣ ELEVATION 689.79'.

22. 8" 90-DEGREE ELBOW \curvearrowright ELEVATION 690.11'.

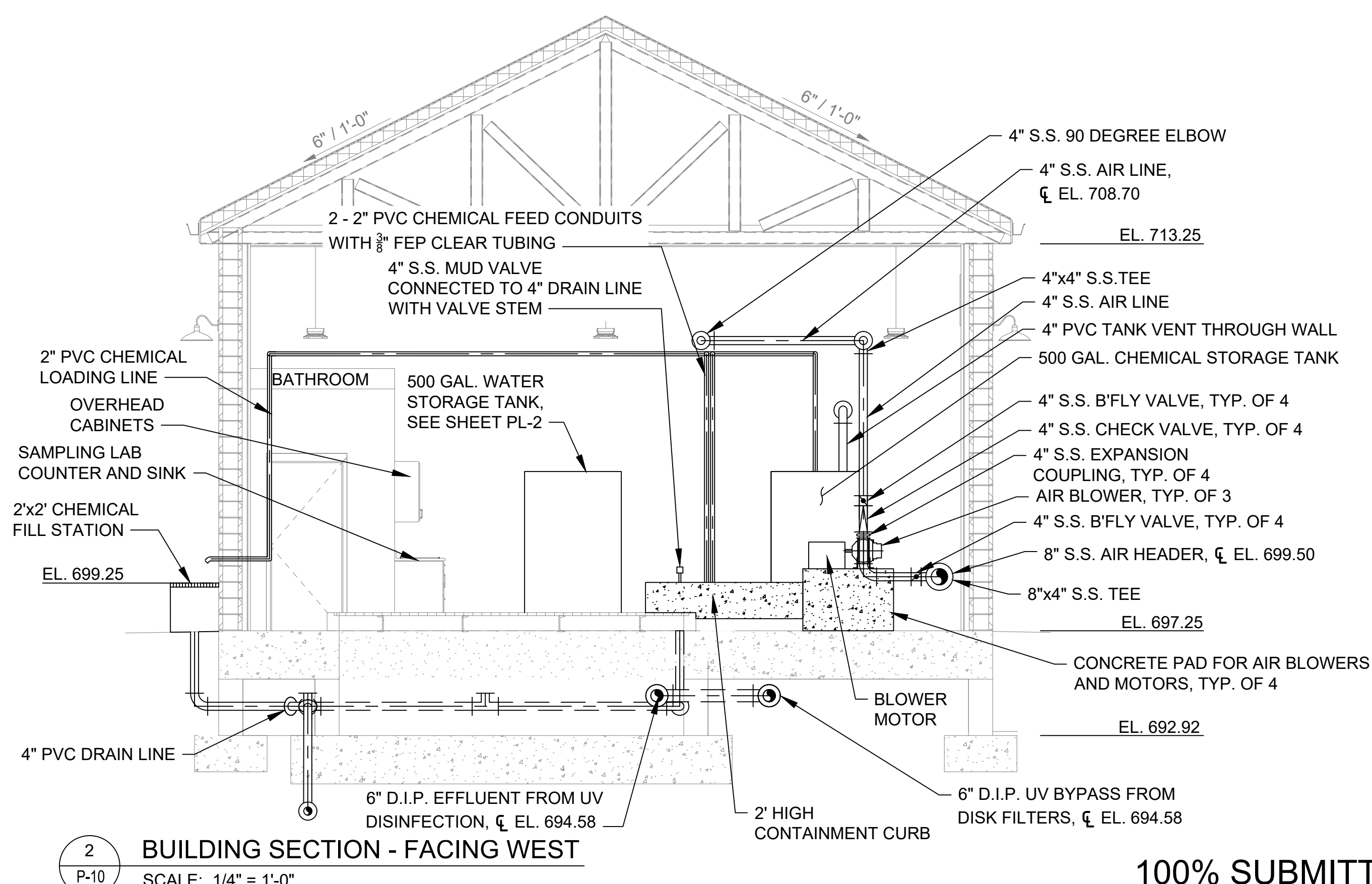
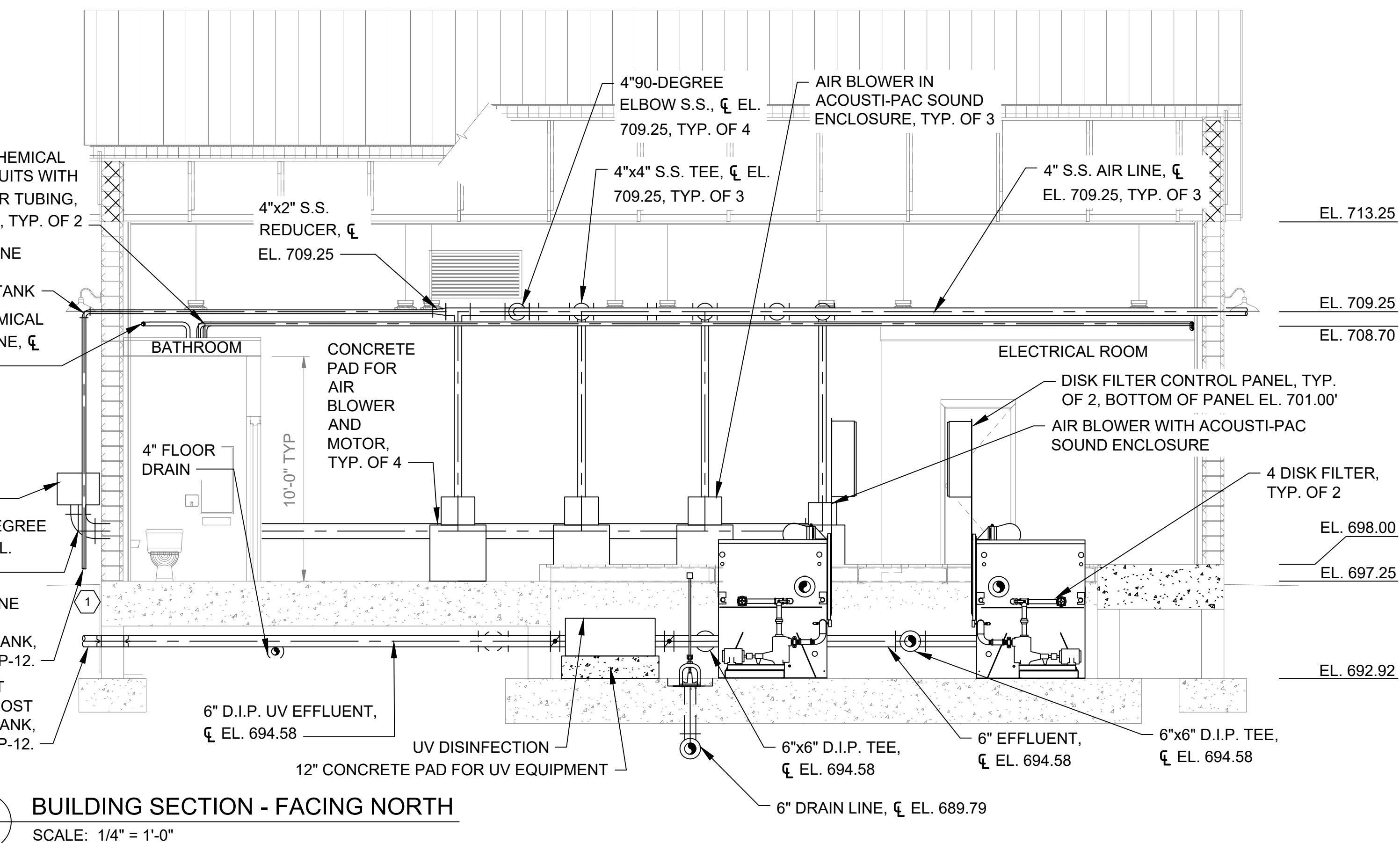
23. 8" 90-DEGREE ELBOW \curvearrowright ELEVATION 694.58'.

1. ALL PIPING BENEATH FLOOR SLAB TO BE ENCASED IN CONCRETE.
2. ALL CHEMICAL FEED ELBOWS TO BE LONG RADIUS ELBOWS. SEE DETAIL SHEET C-8

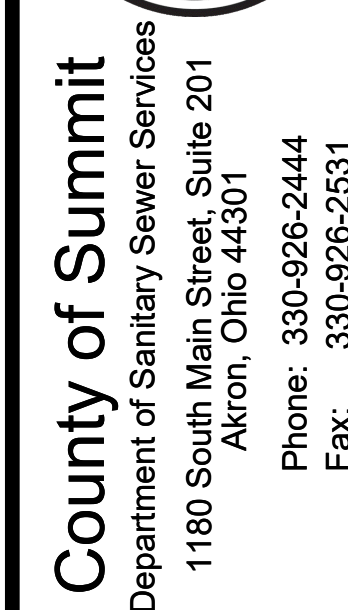


1. REFER TO SHEET P-10 FOR ALL HORIZONTAL FITTINGS IN AIR PIPING.
2. ALL PIPING UNDER FLOOR SLABS TO BE CONCRETE ENCASED. SEE DETAIL SHEET C-8.
3. REFER TO SHEET PL-2 FOR FLOOR DRAIN CONNECTION DETAILS.
4. REFER TO SHEET PL-2 FOR OVERALL PLUMBING PLAN.

1. SECTION CONTINUES ON SHEET P-12 FOR POST-AERATION TANK.



100% SUBMITTAL



164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

[illegible]

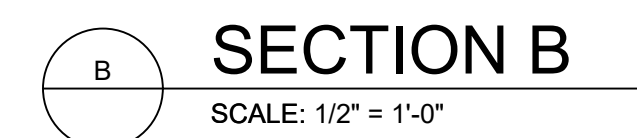
PROJECT NO:	Q-208
DWG FILE:	01-10_Q-000
DRAWN BY:	ADW
DATE:	06/06/20
DESIGNED BY:	MSL
CHECKED BY:	RCS
APPROVED BY:	RCS

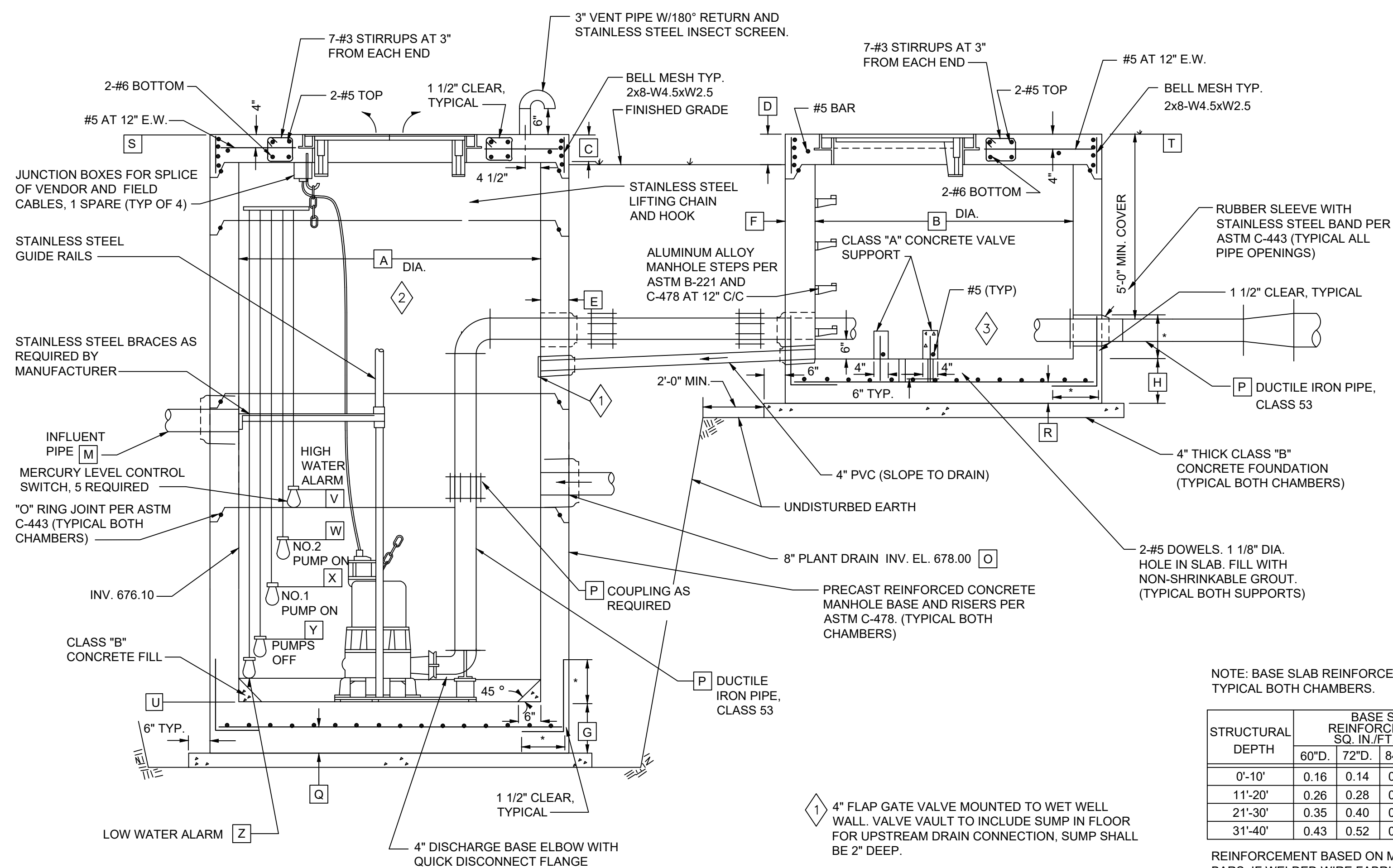
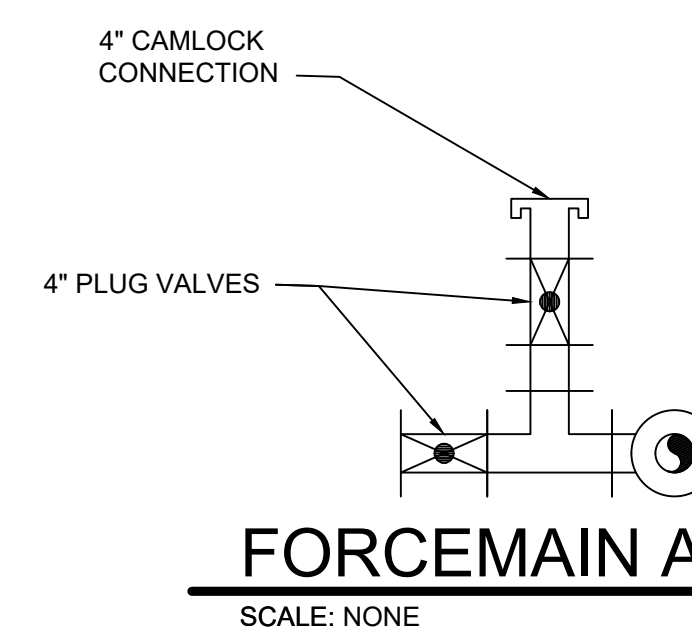
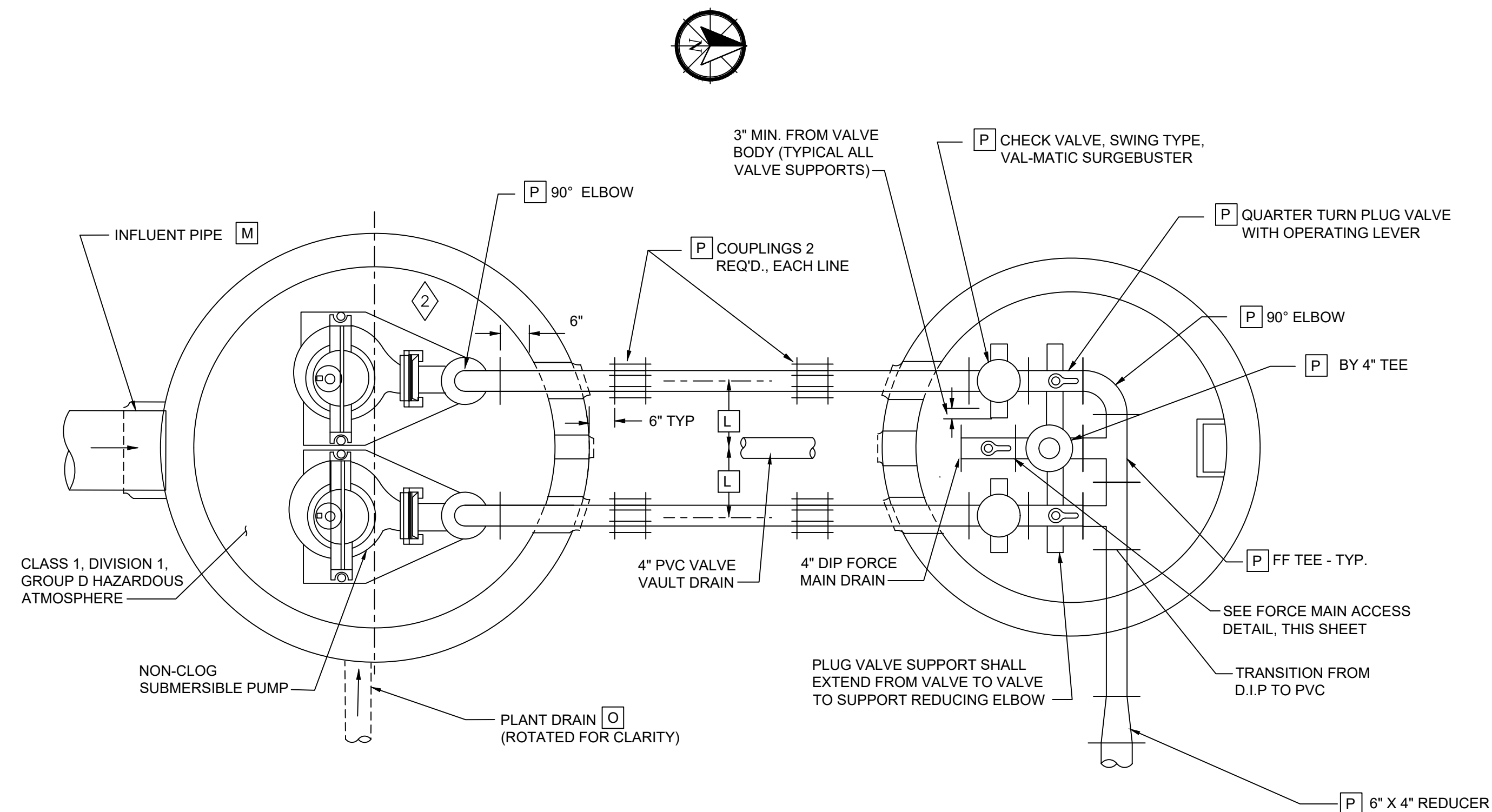
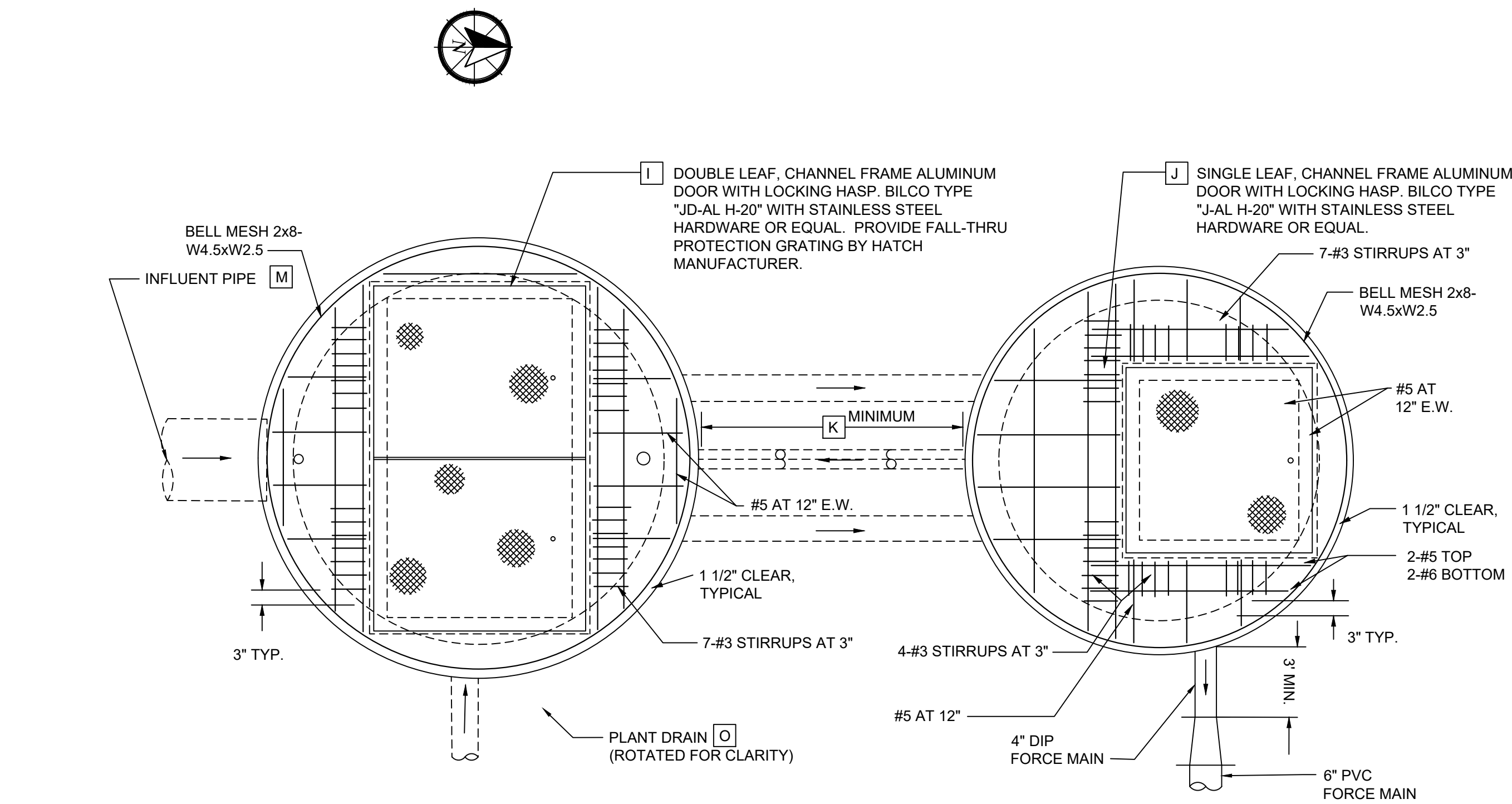
SHEET TITLE

BUILDING SECTIONS

P-11

SHEET 18 OF 147





PUMPING STATION DATA	
ITEM	DATA
A	84"
B	72"
C	8"
D	8"
E	8"
F	8"
G	14"
H	12"
I	2'-6" x 4'-0"
J	3'-0" x 3'-0"
K	2'
L	1'-4"
M	10" @ 676.18
N	-
O	8"
P	4"
Q	6"
R	6"
S	697.25±
T	697.25±
U	668.30

MERCURY LEVEL CONTROL SWITCH ELEV.	
V	675.00
W	674.50
X	674.00
Y	670.30
Z	669.30

- NOTES:**
1. ALL JOINTS, WITHIN CHAMBERS, SHALL BE FLANGED UNLESS SHOWN OTHERWISE.
 2. ALL ALUMINUM IN CONTACT WITH CONCRETE OR DISSIMILAR METALS SHALL BE COATED WITH TWO COATS OF COAL TAR EPOXY, APPROVED BY THE ENGINEER.
 3. CONTRACTOR SHALL PROVIDE FLEXIBLE JOINTS, 2' OUTSIDE OF THE CHAMBERS, ON THE INFLUENT PIPE AND THE DUCTILE IRON EFFLUENT PIPE.
 4. PRIOR TO BACKFILLING, THE CHAMBERS AND/OR FOUNDATIONS MAY BE BOUYANT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OVERCOMING THIS CONDITION.
 5. THE TOP SLAB OF BOTH CHAMBERS SHALL ACCEPT A H-20 WHEEL LOAD.
 6. STEEL REINFORCEMENT SHOWN FOR REPRESENTATIVE PUPOSES ONLY. PRE-CAST MANUFACTURER SHALL PROVIDE REINFORCEMENT AS NECESSARY TO MEET THE H-20 WHEEL LOAD REQUIREMENT AND AS REQUIRED BY SOIL BORING INFORMATION. REINFORCEMENT DESIGN SUBMITTALS SHALL BE STAMPED BY A P.E. REGISTERED IN THE STATE OF OHIO.
 7. ALL PIPE SHALL BE RESTRAINED.
 8. ELEVATION VIEW SHOWN FOR REPRESENTATIVE PURPOSES ONLY. ACTUAL LOCATION OF INFLUENT PIPE, STEPS, CONTROL AND TELEMETRY PANEL, AND ALARM SYSTEM SHOWN IN PLAN VIEWS.
 9. CONTRACTOR SHALL COORDINATE WITH THE PRE-CAST MANUFACTURER AND THE PUMP MANUFACTURER FOR CORRECT LOCATION OF ACCESS HATCH WITHIN THE WET WELL SLAB TOP.
 10. PROVIDE WATERPROOF CONDUIT PENETRATIONS FOR POWER AND CONTROL WIRING.
 11. CONTRACTOR SHALL FIELD VERIFY EXISTING GROUND SURFACE ELEVATIONS "R" AND "S". TOP OF WET WELL AND VALVE VAULT SHALL BE SET TO ELEVATION 697.25'.
 12. WET WELL SHALL HAVE ALL INTERIOR CONCRETE SURFACES FIELD COATED WITH AROMATIC POLYUREA SPRAY FOR CONCRETE AS MANUFACTURED BY ELASTOMER SPECIALTIES, INC., 10908 S. 264TH EAST AVE., BROKEN ARROW, OK 74014 (800-786-4244) INCLUDING A FIVE (5) YEAR WARRANTY AGAINST H2S CORROSION OR EQUAL.
 13. $\frac{3}{16}$ " STAINLESS STEEL FOR ALL EXPOSED FASTENERS WITH THE CAPABILITY FOR IT TO BE IN CONTACT WITH WASTEWATER.

NOTE: BASE SLAB REINFORCEMENT
TYPICAL BOTH CHAMBERS.

STRUCTURAL DEPTH	BASE SLAB REINFORCEMENT SQ. IN./FT. E.W.			
	60"D.	72"D.	84"D.	96"D.
0'-10'	0.16	0.14	0.14	0.21
11'-20'	0.26	0.28	0.31	0.40
21'-30'	0.35	0.40	0.46	0.68
31'-40'	0.43	0.52	0.62	0.95

REINFORCEMENT BASED ON METAL
BARS. IF WELDED WIRE FABRIC IS
USED, AREAS MAY BE REDUCED BY 1/3

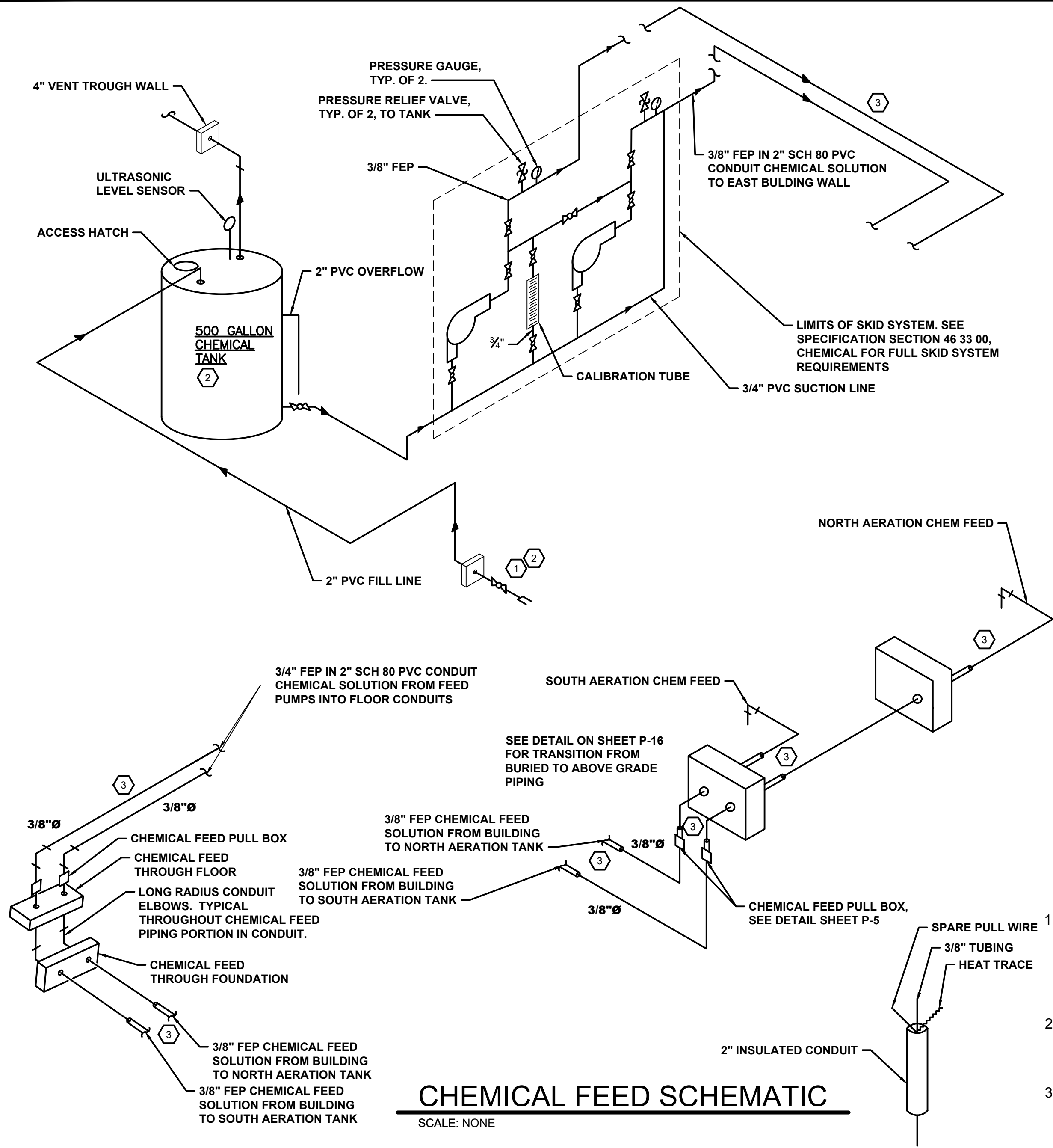
* 30 BAR DIAMETER, 12" MINIMUM

1 4" FLAP GATE VALVE MOUNTED TO WET WELL WALL. VALVE VAULT TO INCLUDE SUMP IN FLOOR FOR UPSTREAM DRAIN CONNECTION, SUMP SHALL BE 2" DEEP

2 NO STEPS INSIDE WET WELL

3 PIPING NOT SHOWN FOR CLARITY

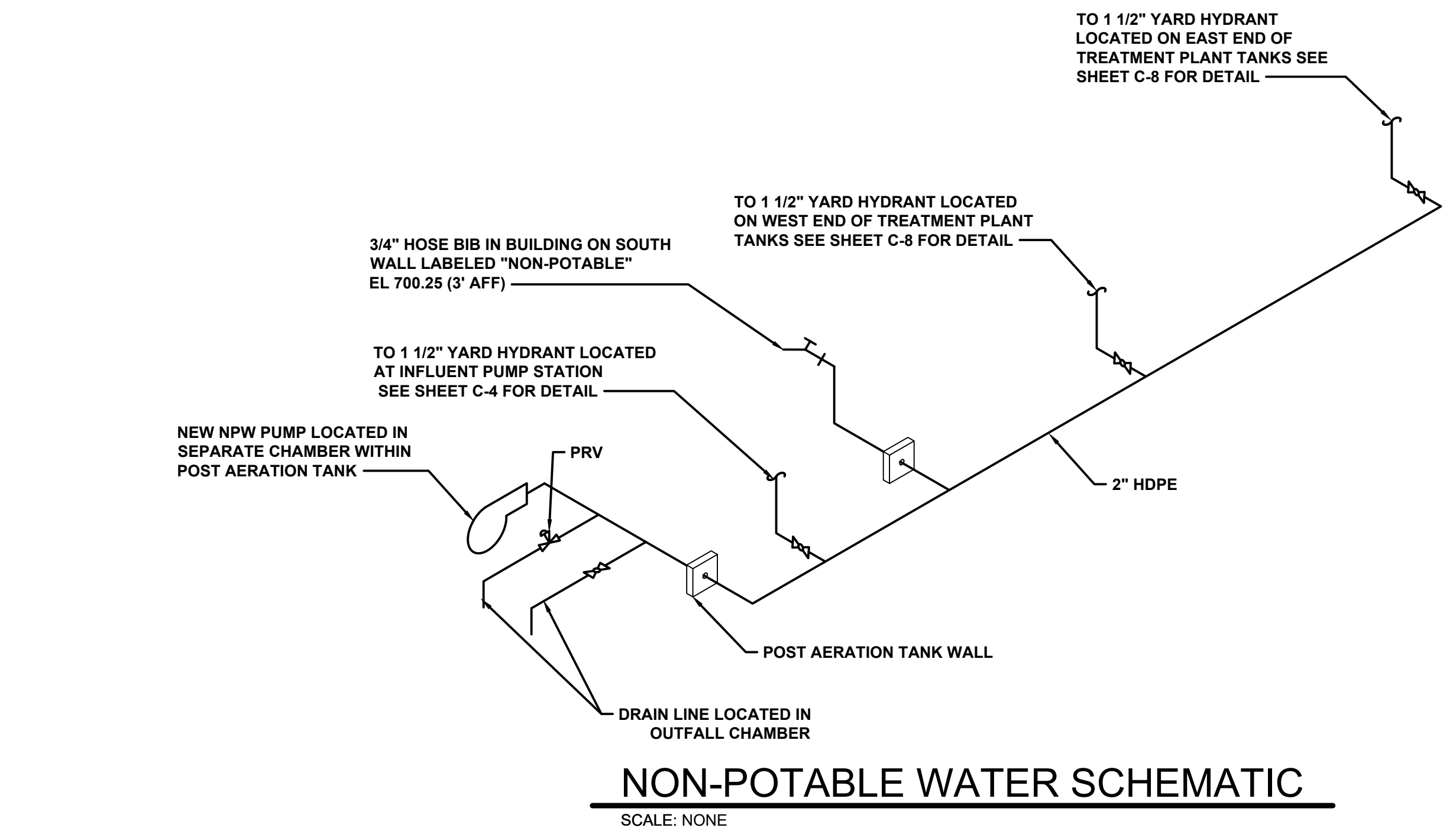




CHEMICAL FEED SCHEMATIC
SCALE: NONE

CODING NOTES:

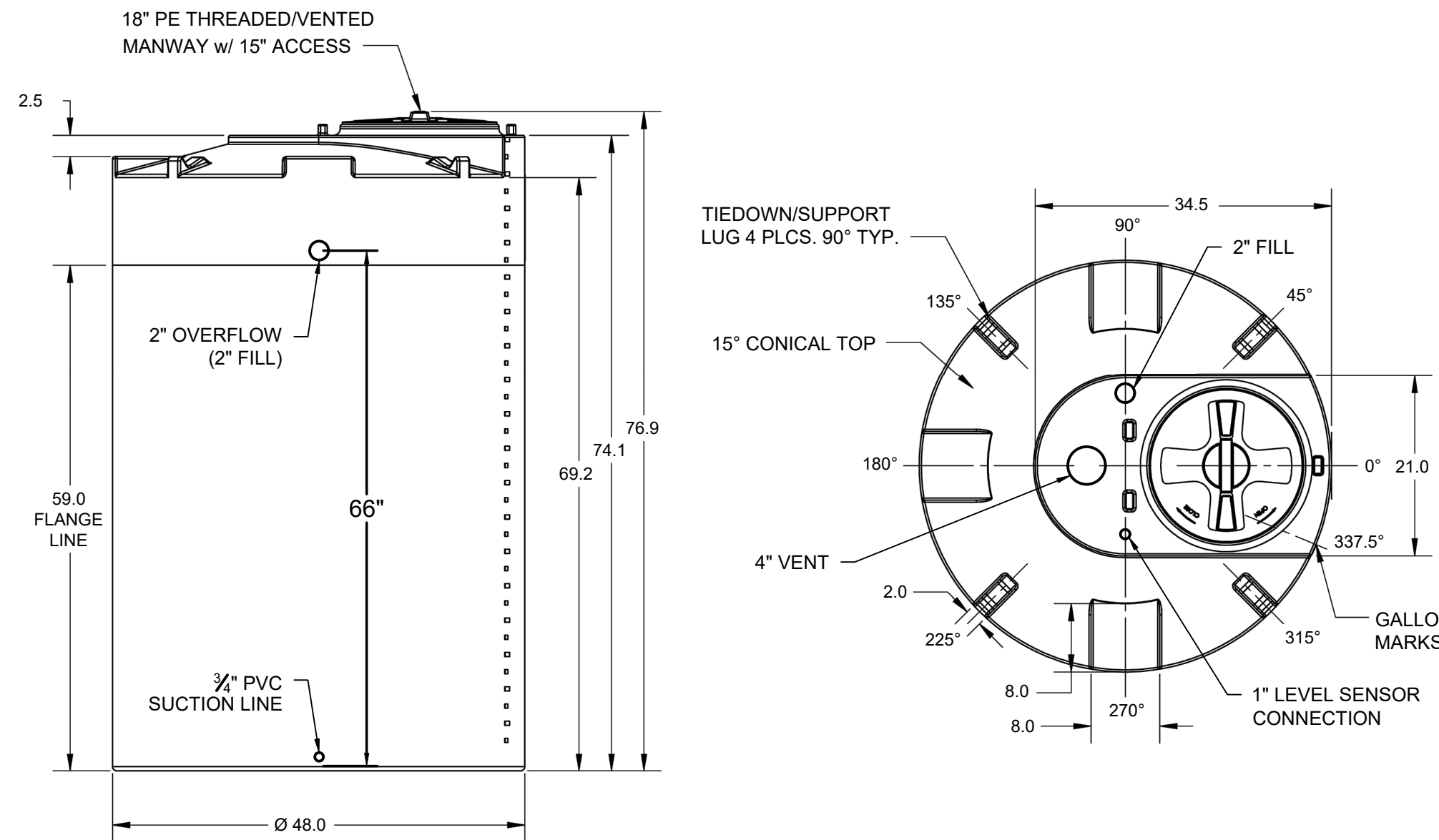
1. FILL LINE SHALL BE EQUIPPED WITH 2" SS MALE NPT COUPLER OFW KAMLOCK NO. 688-B, OR EQUAL. PROVIDE A CAP FOR COUPLER, OFW KAMLOCK NO. 634-A, OR EQUAL.
2. FILLING OF CHEMICAL TANK SHALL BE VIA FILL PORT LOCATED ON BUILDING EXTERIOR.
3. 2" INSULATED SCH 80 PVC CONDUIT SHALL INCLUDE 3/8" TUBING, HEAT TRACE, AND SPARE PULL WIRE. SEE DETAIL THIS SHEET.



NON-POTABLE WATER SCHEMATIC
SCALE: NONE

GENERAL NOTES FOR CHEMICAL PIPING

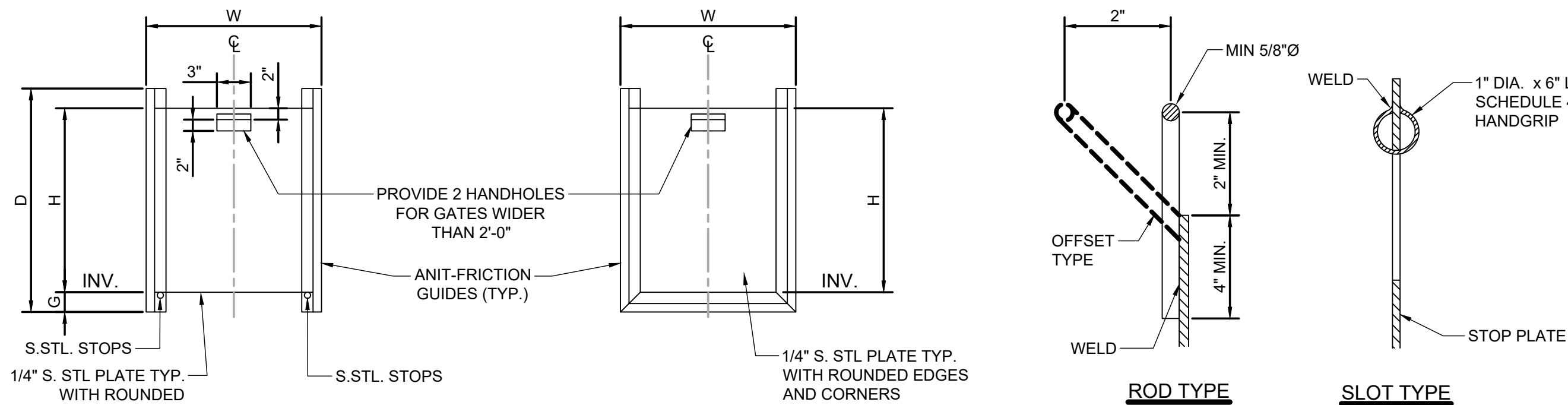
1. ALL PIPING MATERIALS TO BE ENCASED IN 2" PVC CONDUIT.
2. PIPING MATERIALS. CHEMICAL SUCTION AND DISCHARGE PIPING SHALL BE HDPE PIPING UNLESS NOTED OTHERWISE. CPVC FITTINGS SHALL BE SOLVENT WELDED WITH SOLVENT AS RECOMMENDED FOR THE APPLICATION BY THE PIPE MANUFACTURER. PROVIDE FLANGES WHERE SHOWN, WITH 316 S.STL. BOLTS, NUTS, AND WASHERS. WHERE SHOWN, FLEXIBLE PIPING SHALL BE POLYETHYLENE TUBING RECOMMENDED FOR THE APPLICATION BY THE TUBING MANUFACTURER.
3. UNION AND ADAPTERS. PROVIDE UNIONS OR TRUE UNION VALVES AT EQUIPMENT TO FACILITATE DISASSEMBLY FOR ROUTINE MAINTENANCE. PROVIDE ADAPTERS AS REQUIRED BETWEEN EQUIPMENT AND PIPING AND BETWEEN RIGID AND FLEXIBLE PIPING.
4. HANGERS AND SUPPORTS. PROVIDE HANGERS AND SUPPORTS RESISTANT TO CORROSION OF THE APPLICATION CHEMICAL, SPACED AT MINIMUM 4-Feet, AND AS RECOMMENDED BY THE PIPING MANUFACTURER. PROVIDE FOR EXPANSION AND CONTRACTION OF THE PIPING BETWEEN FIXED POINTS BY USING ELBOWS AND SLIDING SUPPORTS.
5. BALL VALVES. BALL VALVES SHALL BE TRUE UNION FULL PORT WITH SCHEDULE 80 CPVC, VITON SEALS, AND TEFLON SEATS.
6. SPECIAL VALVES. PRESSURE RELIEF AND BACK PRESSURE VALVES SHALL BE CPVC BODY WITH SEALS AND SEATS COMPATIBLE WITH THE APPLICATION CHEMICAL.
7. STOPPERS. PROVIDE LABORATORY TYPE RUBBER STOPPERS TO SEAL FLEXIBLE TUBING WHERE IT PASSES THROUGH DAY TANK COVERS AND DRUMS.
8. INJECTION POINTS. PROVIDE INSERTION TYPE NOZZLES AT CHEMICAL INJECTION POINTS. TAP HORIZONTAL PIPES AT 120° FROM VERTICAL AND EXTEND NOZZLE INTO PIPE BY 1/3 PIPE DIAMETER.



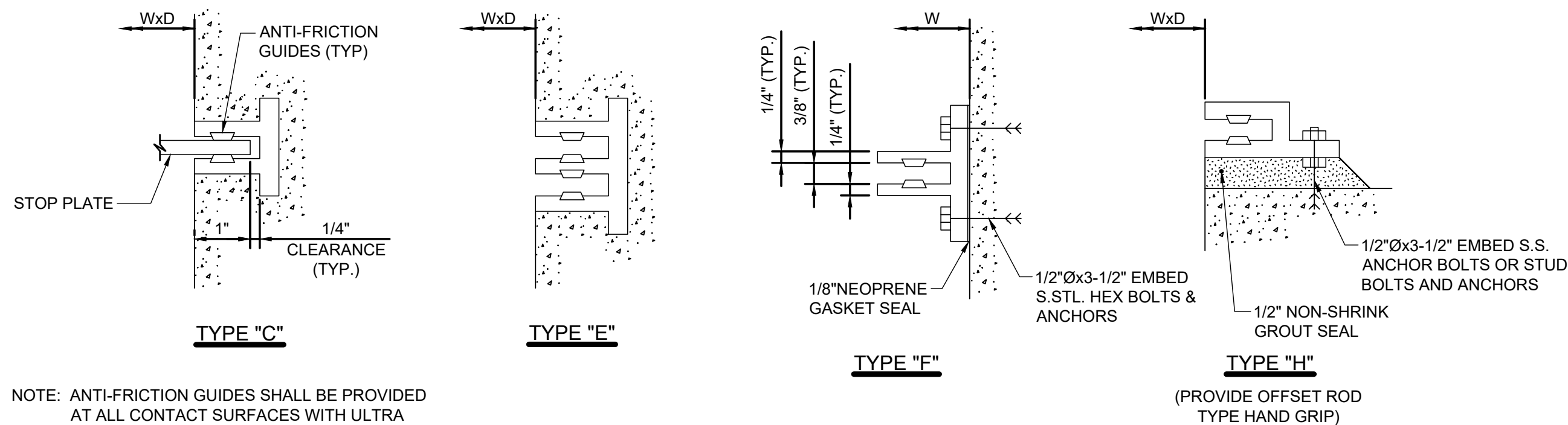
* ALL EXTERNAL PIPING MUST BE INDEPENDENTLY SUPPORTED.
* ONLY BASE FITTINGS TO BE LEFT INSTALLED AT TIME OF SHIPMENT.
ALL DIMENSIONS ARE IN INCHES, NOMINAL.
ALL DIMENSIONS ON ROTATIONAL MOLDED PARTS ARE SUBJECT TO A ± 3% TOLERANCE.

500 GALLON CHEMICAL STORAGE TANK DETAIL

SCALE: NONE



ELEVATIONS



NOTE: ANTI-FRICTION GUIDES SHALL BE PROVIDED AT ALL CONTACT SURFACES WITH ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE (UHMWPE) BEARING BARS, CONTINUOUSLY AND MECHANICALLY LOCKED IN PLACE.

GUIDE CROSS-SECTIONS (ALUMINUM)

REMOVABLE STAINLESS STEEL STOP GATE DETAIL

SCALE: NOT TO SCALE

100% SUBMITTAL



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	DESCRIPTION	BY

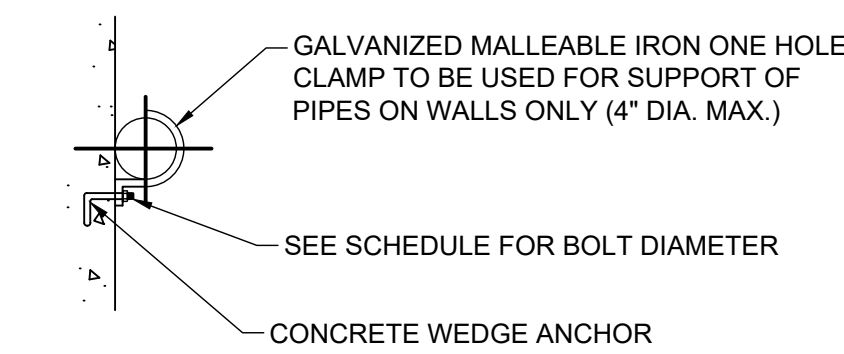
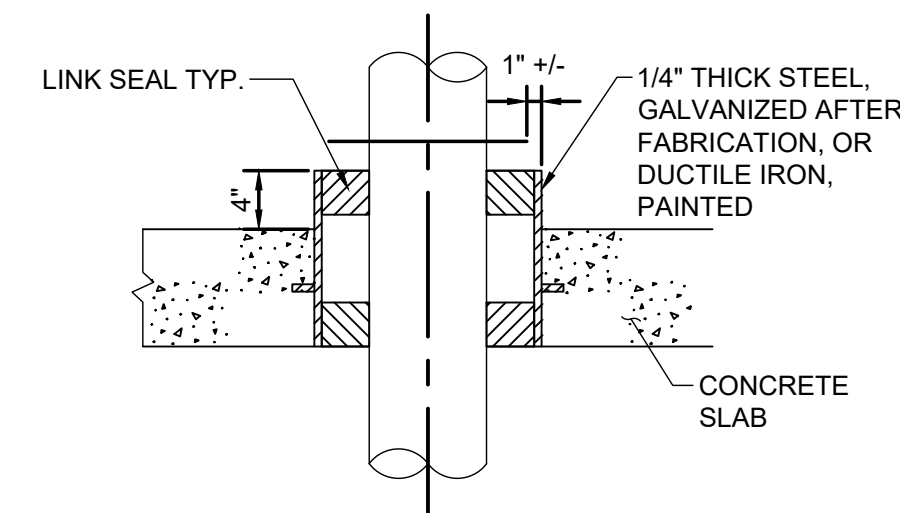
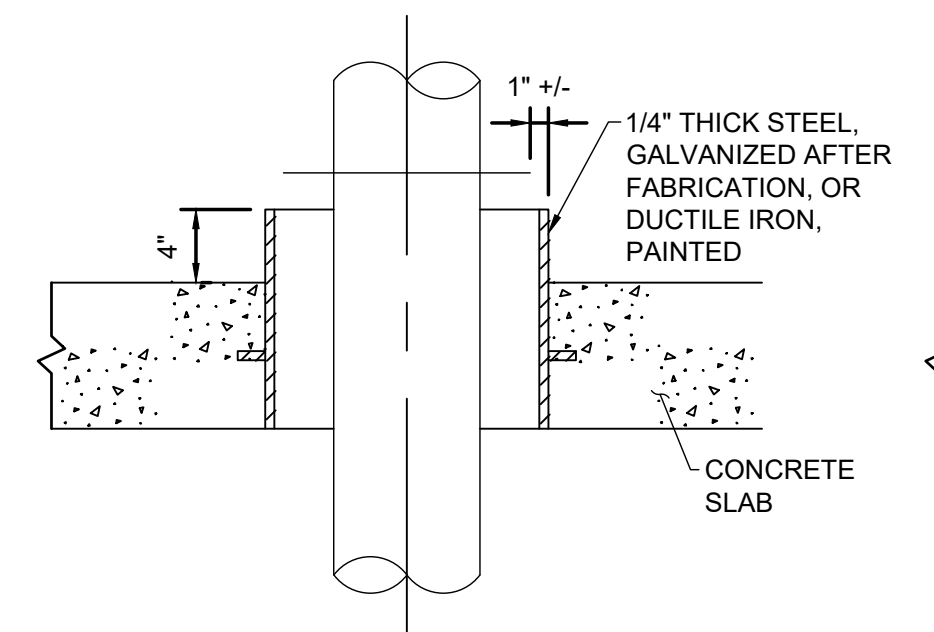
PROJECT NO:	Q-208
DWG FILE:	01-10 Q-200
DRAWN BY:	ADW
DATE:	06/06/2025
DESIGNED BY:	MSL
CHECKED BY:	RCS
APPROVED BY:	RCS

SHEET TITLE

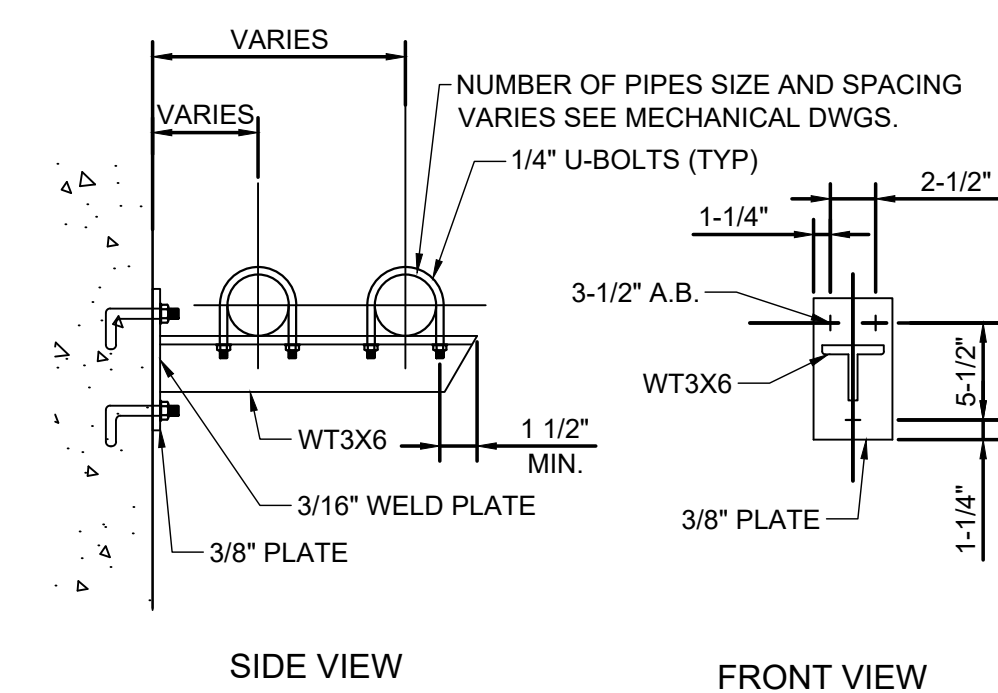
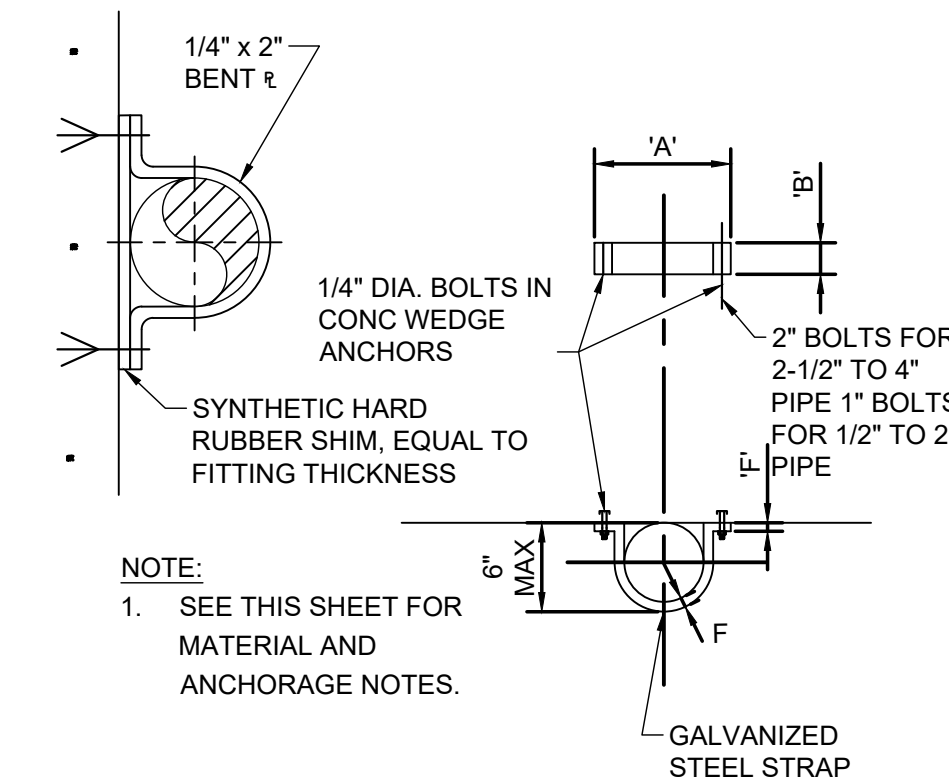
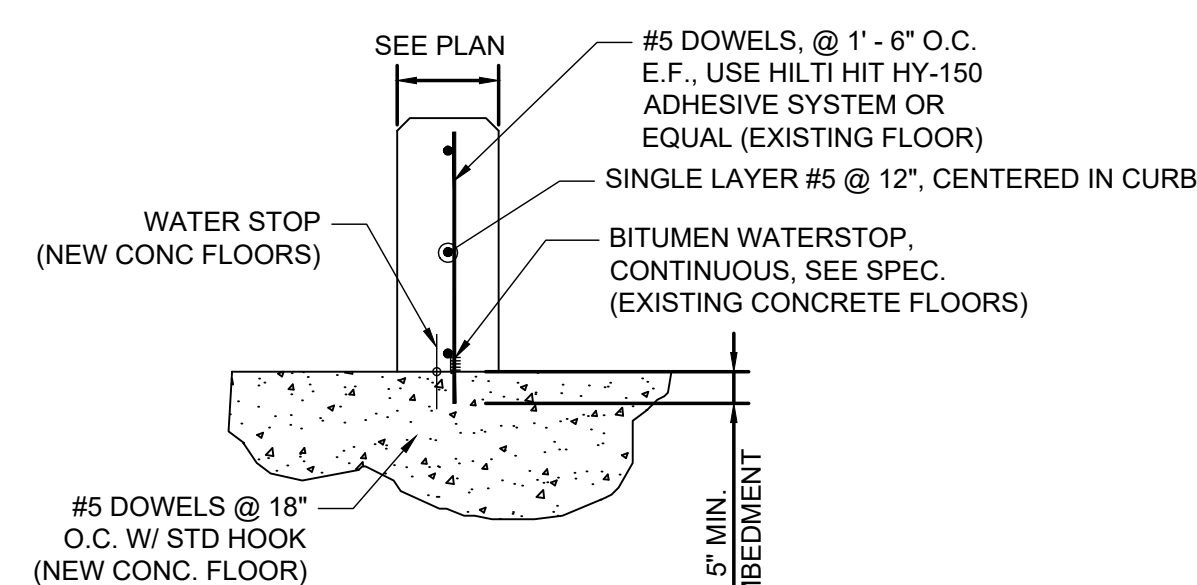
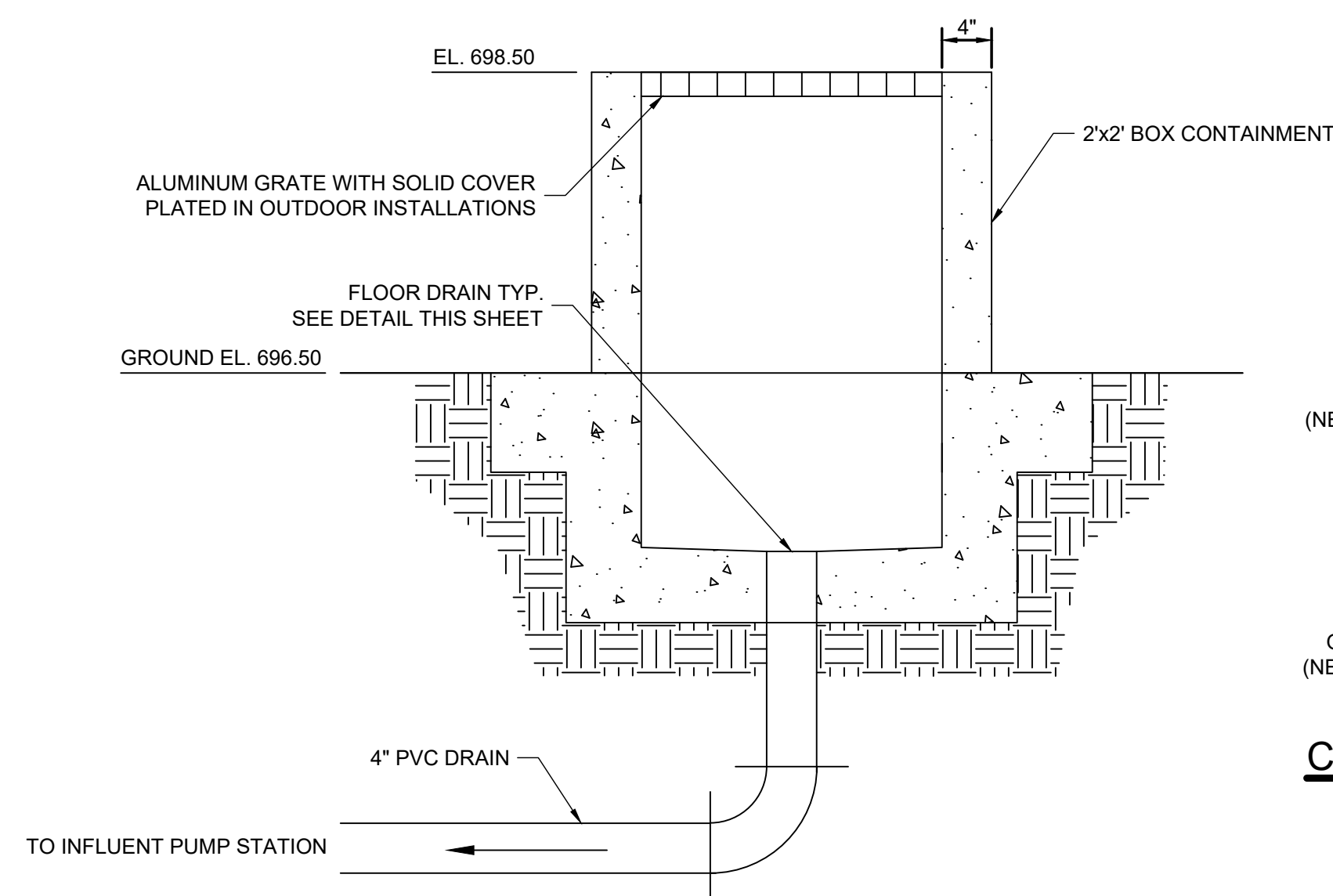
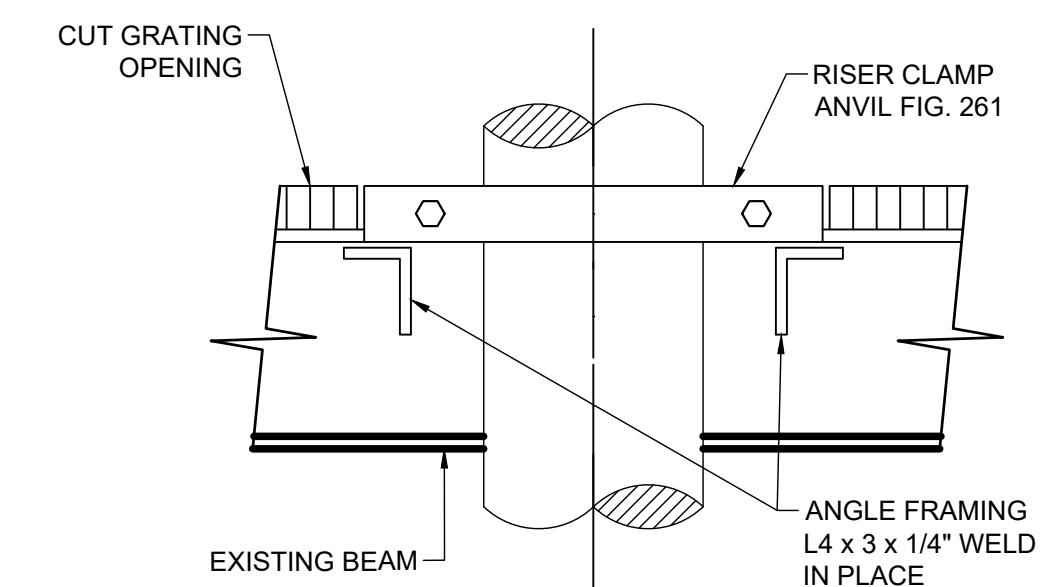
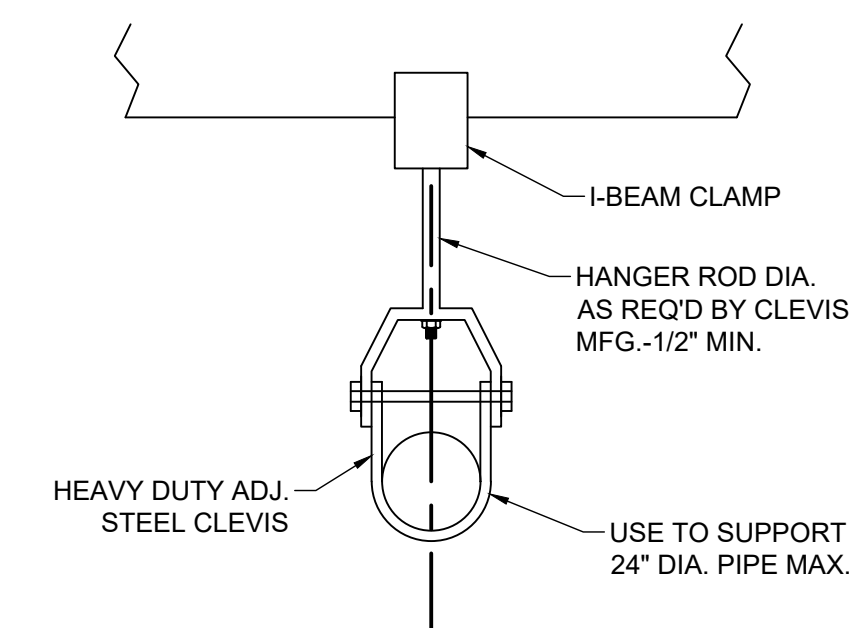
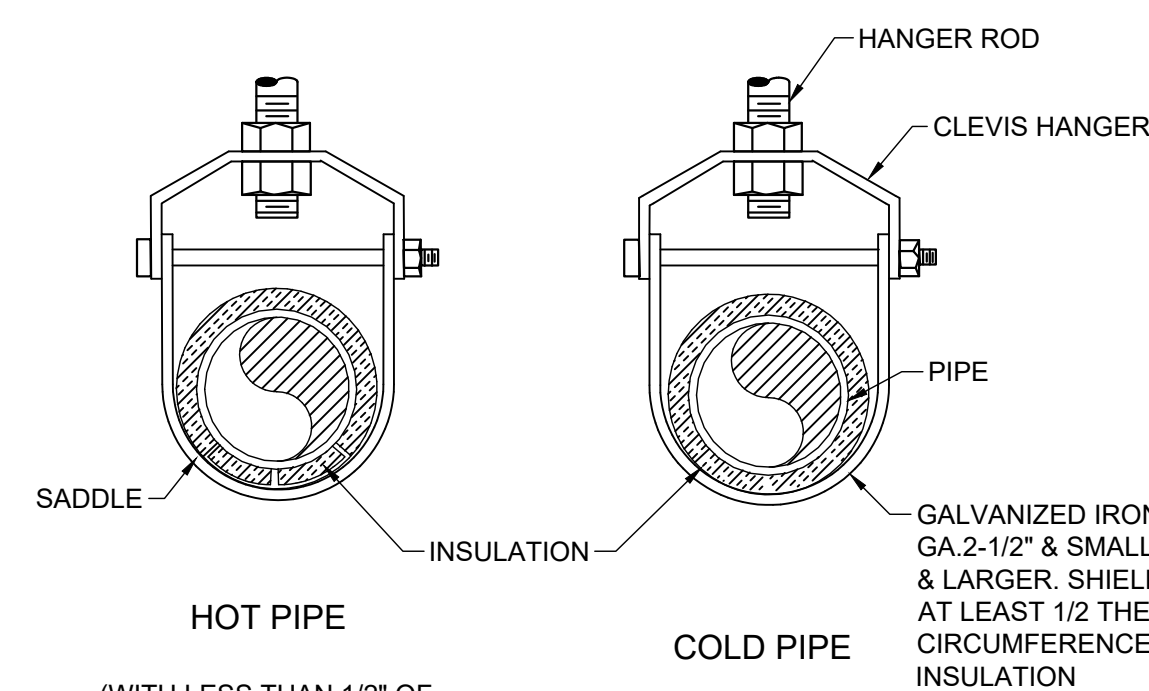
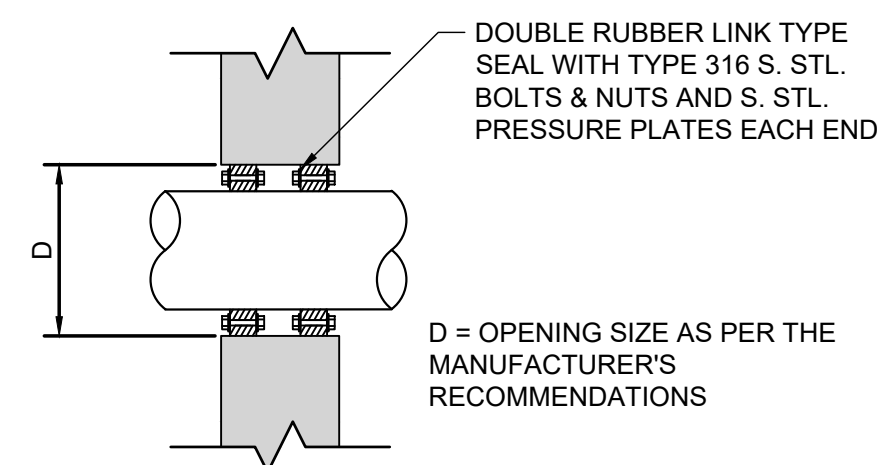
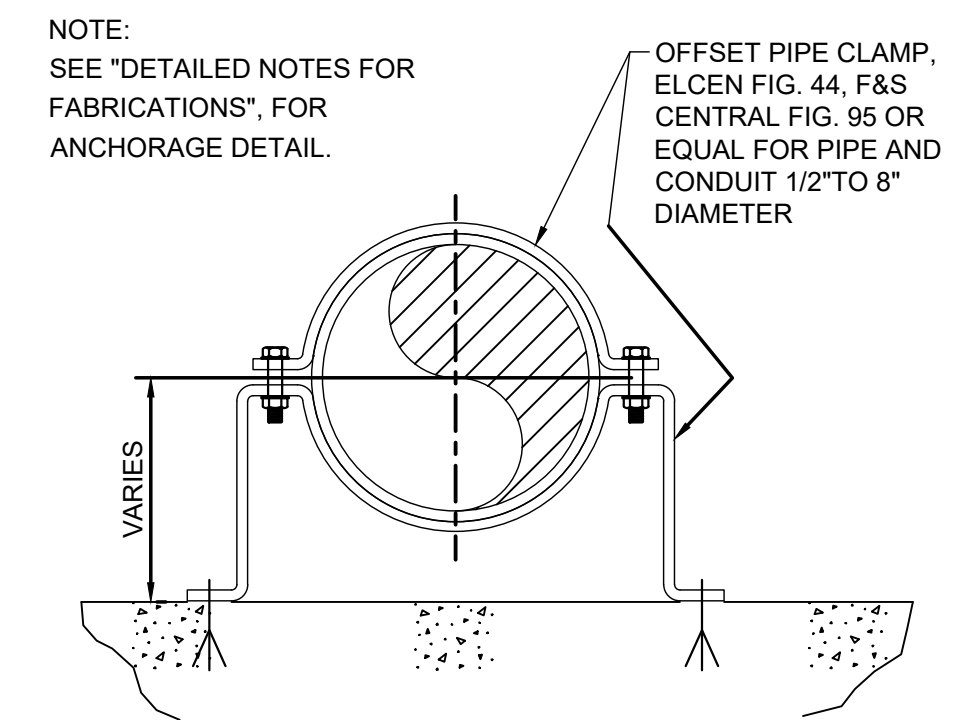
MISCELLANEOUS
DETAILS 1 OF 3

P-15

SHEET 22 OF 147



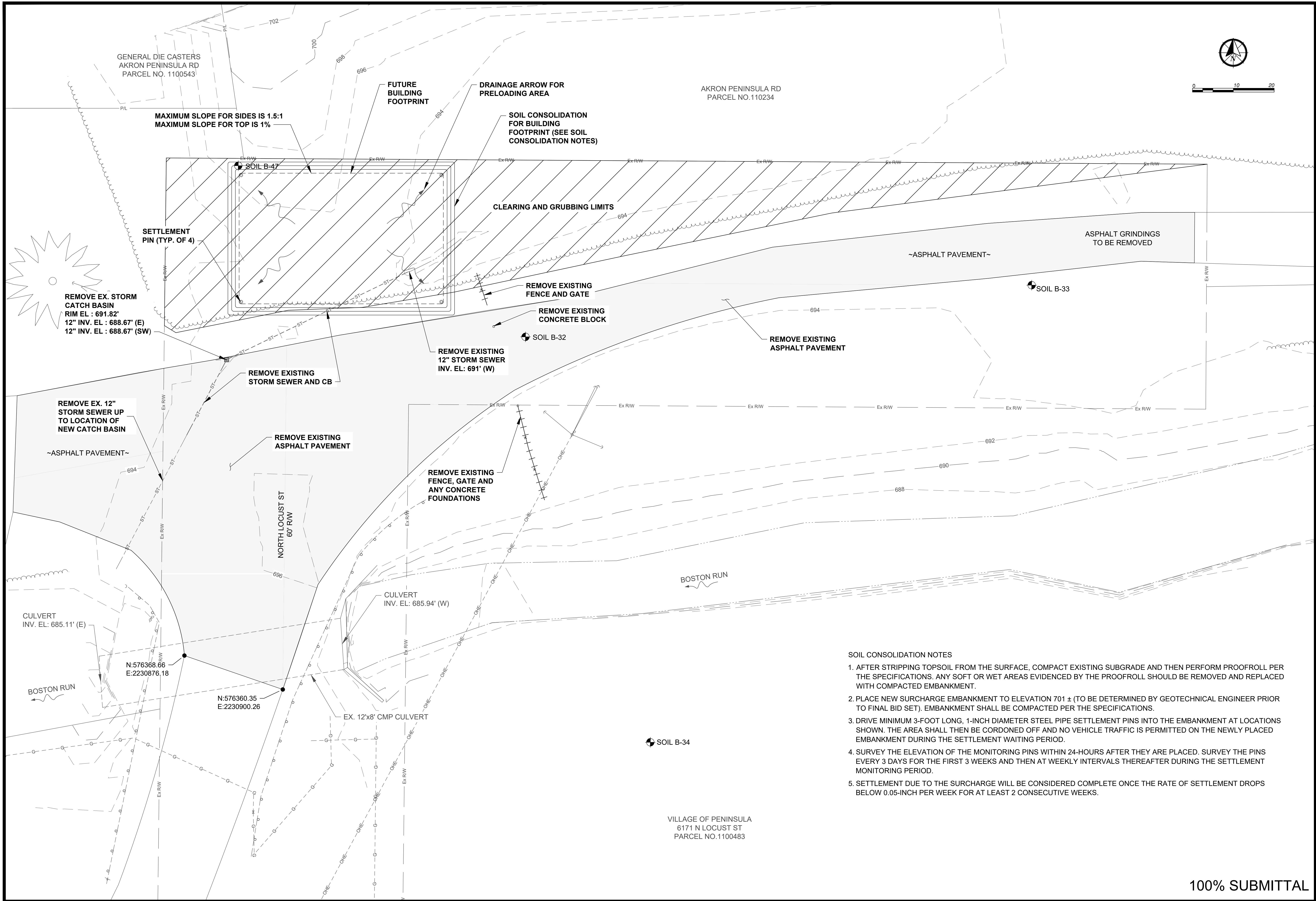
PIPE SIZE	BOLT DIA.		PIPE SIZE	BOLT DIA.
1/2"	1/4"		2"	5/8"
3/4"	1/4"		2-1/2"	5/8"
1"	1/4"		3"	5/8"
1-1/4"	3/8"		3-1/2"	5/8"
1-1/2"	3/8"		4"	5/8"



MAXIMUM UNSUPPORTED PIPE SPAN SCHEDULE																												
NOMINAL PIPE SIZE	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24	26	28	30	32	34	36	42	48	
MAXIMUM SPAN C.I. (FT.)									8	10	10	10	10	12	12	12	14	14	14	16	16	16	16	16	16	16	18	18
MAXIMUM SPAN STL. (FT.)	5	6	7	7	9	10	11	12	14	16	17	19	22	23	25	27	28	30	32	33	33	34	34	35	35	36	36	36

DETAILED NOTES FOR FABRICATIONS:

1. MAXIMUM SPACING OF PIPE SUPPORTS SHALL BE AS PER THE ACCOMPANYING SCHEDULE UNLESS OTHERWISE NOTED OR SHOWN ON THE PLANS.
2. PIPE SUPPORTS SHALL BE PROVIDED AT ALL CHANGES IN DIRECTIONS AND POINT OF CONCENTRATED LOAD.
3. SPACING OF SUPPORTS SHALL BE CONTROLLED BY THE SMALLEST DIAMETER PIPE RESTING ON THE SUPPORT.
4. ALL BURIED BOLTED CONNECTIONS SHALL BE MADE WITH TYPE 304 STAINLESS STEEL FASTENERS.
5. SUPPORT SPACING FOR OTHER PIPING MATERIALS ARE FOUND IN THE SPECIFICATIONS.



100% SUBMITTAL



B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

[illegible]

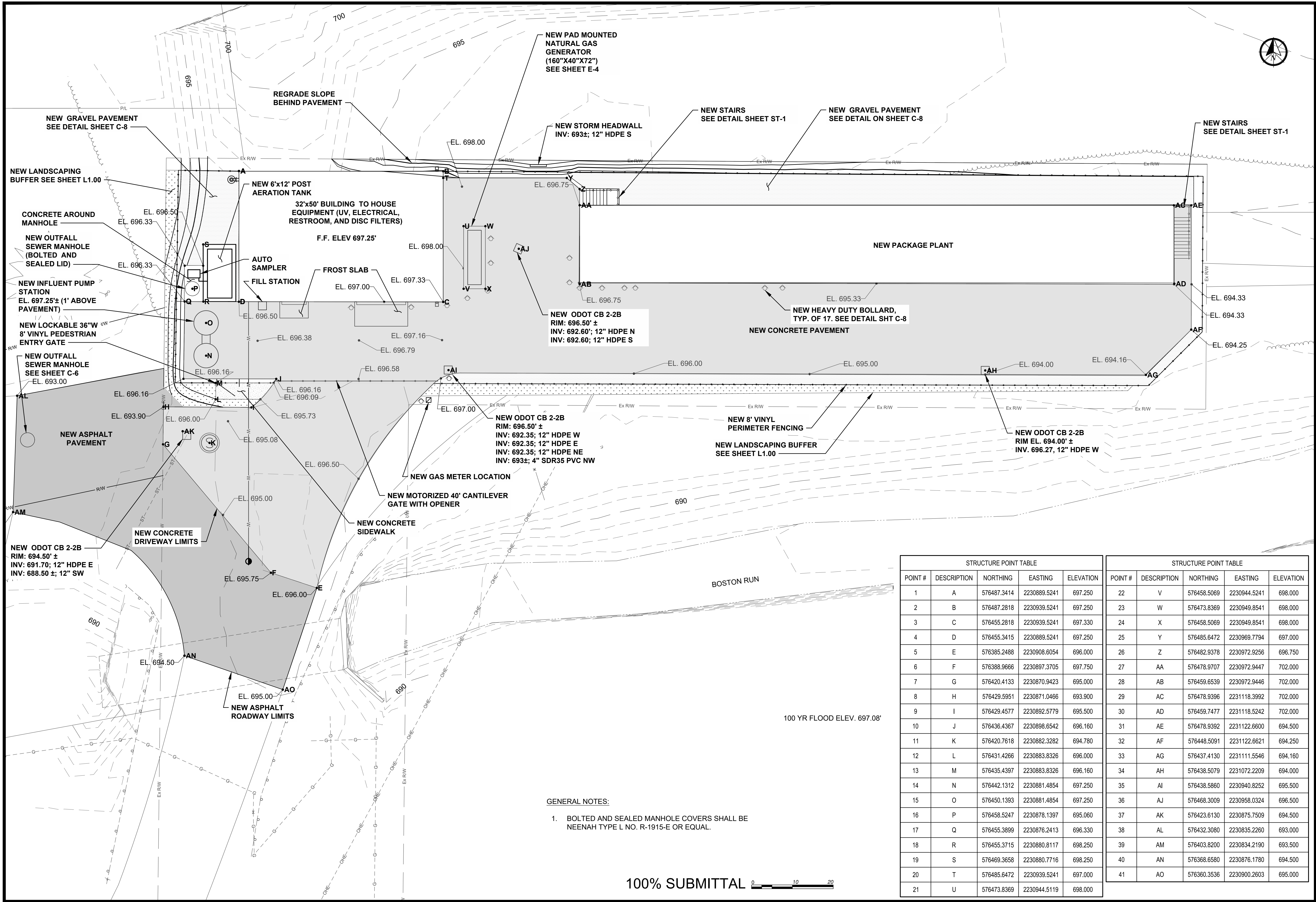
PROJECT NO:	Q-208
DWG FILE:	01-10_Q-000
DRAWN BY:	ADW
DATE:	06/06/2023
DESIGNED BY:	MSL
CHECKED BY:	RCS
APPROVED BY:	RCS

SHEET TITLE

EXISTING SITE,
DEMOLITION AND
SOIL CONSOLIDATION

C-1

SHEET 24 OF 147



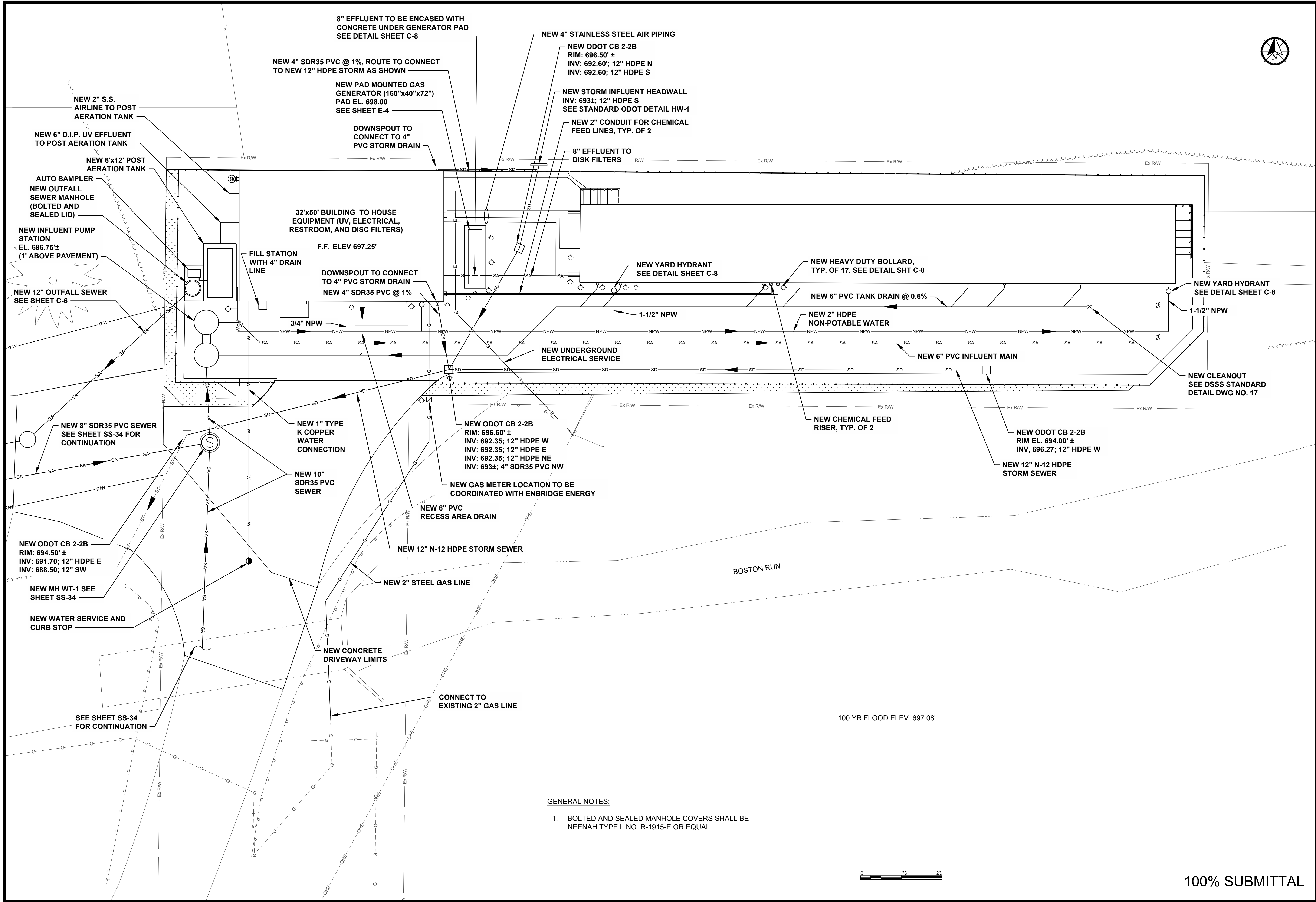
STRUCTURE POINT TABLE					STRUCTURE POINT TABLE				
POINT #	DESCRIPTION	NORTHING	EASTING	ELEVATION	POINT #	DESCRIPTION	NORTHING	EASTING	ELEVATION
1	A	576487.3414	2230889.5241	697.250	22	V	576458.5069	2230944.5241	698.000
2	B	576487.2818	2230939.5241	697.250	23	W	576473.8369	2230949.8541	698.000
3	C	576455.2818	2230939.5241	697.330	24	X	576458.5069	2230949.8541	698.000
4	D	576455.3415	2230889.5241	697.250	25	Y	576485.6472	2230969.7794	697.000
5	E	576385.2488	2230908.6054	696.000	26	Z	576482.9378	2230972.9256	696.750
6	F	576388.9666	2230897.3705	697.750	27	AA	576478.9707	2230972.9447	702.000
7	G	576420.4133	2230870.9423	695.000	28	AB	576459.6539	2230972.9446	702.000
8	H	576429.5951	2230871.0466	693.900	29	AC	576478.9396	2231118.3992	702.000
9	I	576429.4577	2230892.5779	695.500	30	AD	576459.7477	2231118.5242	702.000
10	J	576436.4367	2230898.6542	696.160	31	AE	576478.9392	2231122.6600	694.500
11	K	576420.7618	2230882.3282	694.780	32	AF	576448.5091	2231122.6621	694.250
12	L	576431.4266	2230883.8326	696.000	33	AG	576437.4130	2231111.5546	694.160
13	M	576435.4397	2230883.8326	696.160	34	AH	576438.5079	2231072.2209	694.000
14	N	576442.1312	2230881.4854	697.250	35	AI	576438.5860	2230940.8252	695.500
15	O	576450.1393	2230881.4854	697.250	36	AJ	576468.3009	2230958.0324	696.500
16	P	576458.5247	2230878.1397	695.060	37	AK	576423.6130	2230875.7509	694.500
17	Q	576455.3899	2230876.2413	696.330	38	AL	576432.3080	2230835.2260	693.000
18	R	576455.3715	2230880.8117	698.250	39	AM	576403.8200	2230834.2190	693.500
19	S	576469.3658	2230880.7716	698.250	40	AN	576368.6580	2230876.1780	694.500
20	T	576485.6472	2230939.5241	697.000	41	AO	576360.3536	2230900.2603	695.000
21	U	576473.8369	2230944.5119	698.000					

GENERAL NOTES:

1. BOLTED AND SEALED MANHOLE COVERS SHALL BE NEENAH TYPE L NO. R-1915-E OR EQUAL.

PLOTTED: 6/6/2025 3:22:55 PM

P:\PR62\188\06 CAD\Sheets\C-6 WRF CIVIL SITE PIPING AND PLUMBING PLAN.dwg 6/6/2025 3:20:30 PM Haley Fanny




GENERAL NOTES:

1. BOLTED AND SEALED MANHOLE COVERS SHALL BE NEENAH TYPE L NO. R-1915-E OR EQUAL.




100% SUBMITTAL



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308



burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO: Q-208

DWG FILE: 01-10 Q-000

DRAWN BY: MSL

DATE: 06/06/2025

DESIGNED BY: MSL

CHECKED BY: RCS

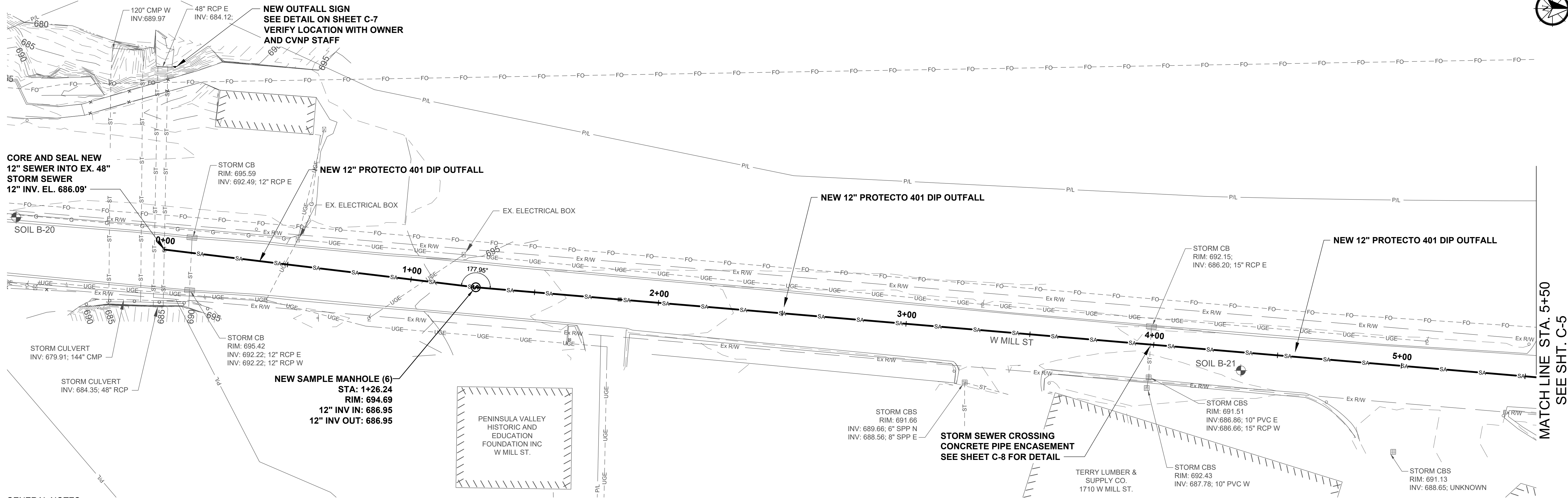
APPROVED BY: RCS

SHEET TITLE

WRF CIVIL SITE
PROCESS AND
PIPING PLAN

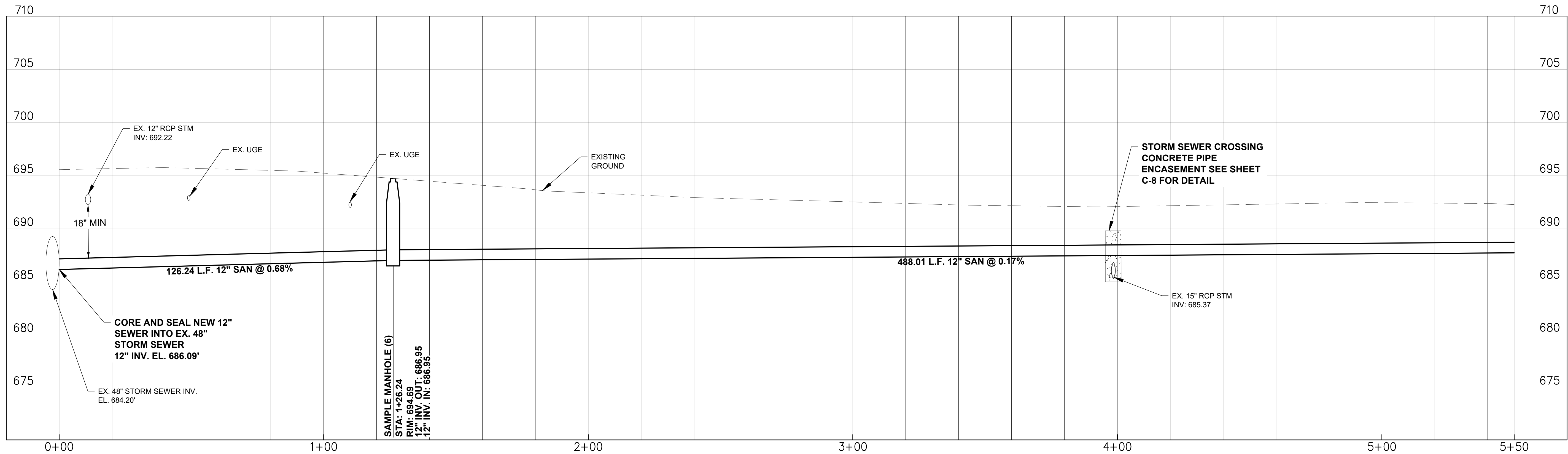
C-3

SHEET 26 OF 147



GENERAL NOTES:

1. MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH DSSS STANDARD DETAIL 8.
2. SHALLOW MANHOLES, UNDER 6'3" DEPTH, SHALL BE CONSTRUCTED IN ACCORDANCE WITH DSSS STANDARD DETAIL 10.
3. DROP MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH DSSS STANDARD DETAIL 11.
4. OUTFALL SEWER TO BE D.I.P WITH PROTECTO 401 EPOXY LINER.
5. CORE AND SEAL CONNECTION OF NEW SEWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH DSSS STANDARD DETAIL 13.



100% SUBMITTAL



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	DESCRIPTION	BY

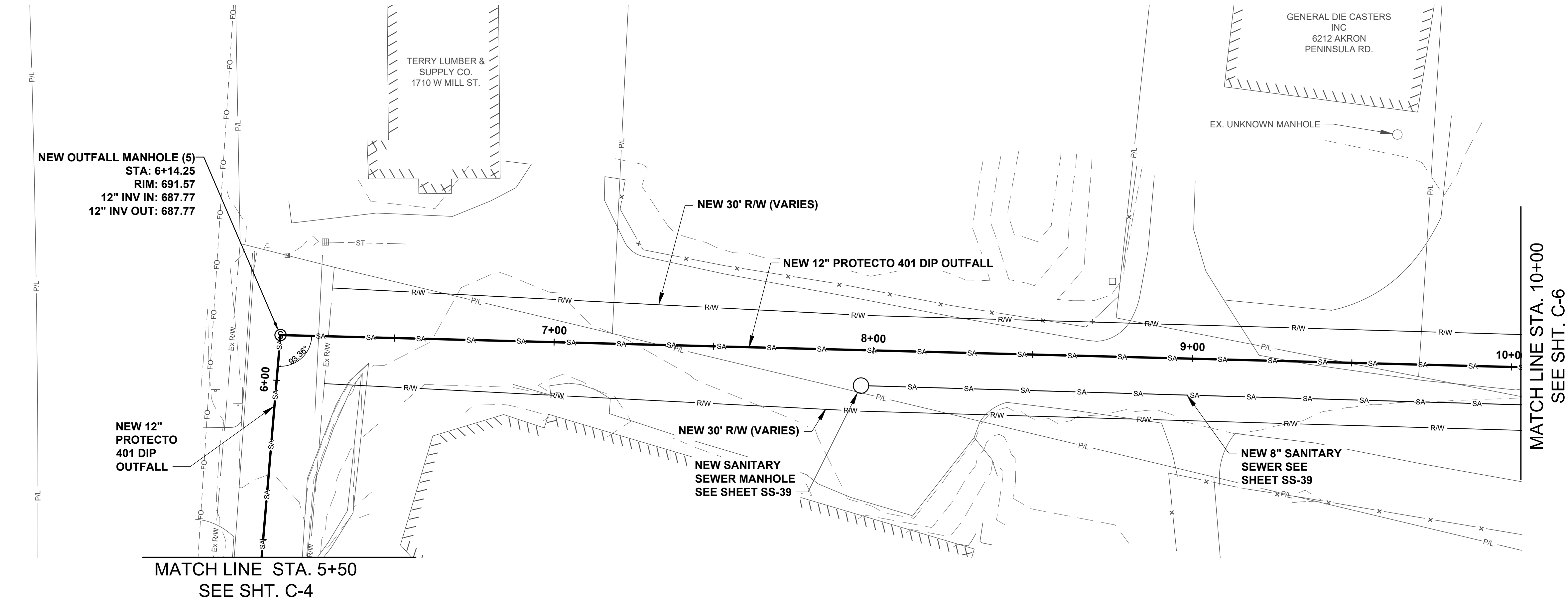
PROJECT NO:	Q-208
DWG FILE:	01-10 Q-400
DRAWN BY:	ADW
DATE:	06/06/2025
DESIGNED BY:	MSL
CHECKED BY:	RCS
APPROVED BY:	RCS

SHEET TITLE

OUTFALL PLAN
AND PROFILE 1
OF 3

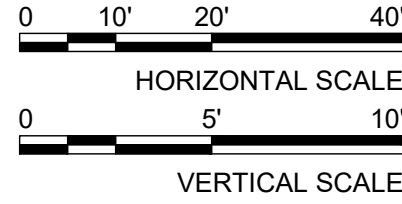
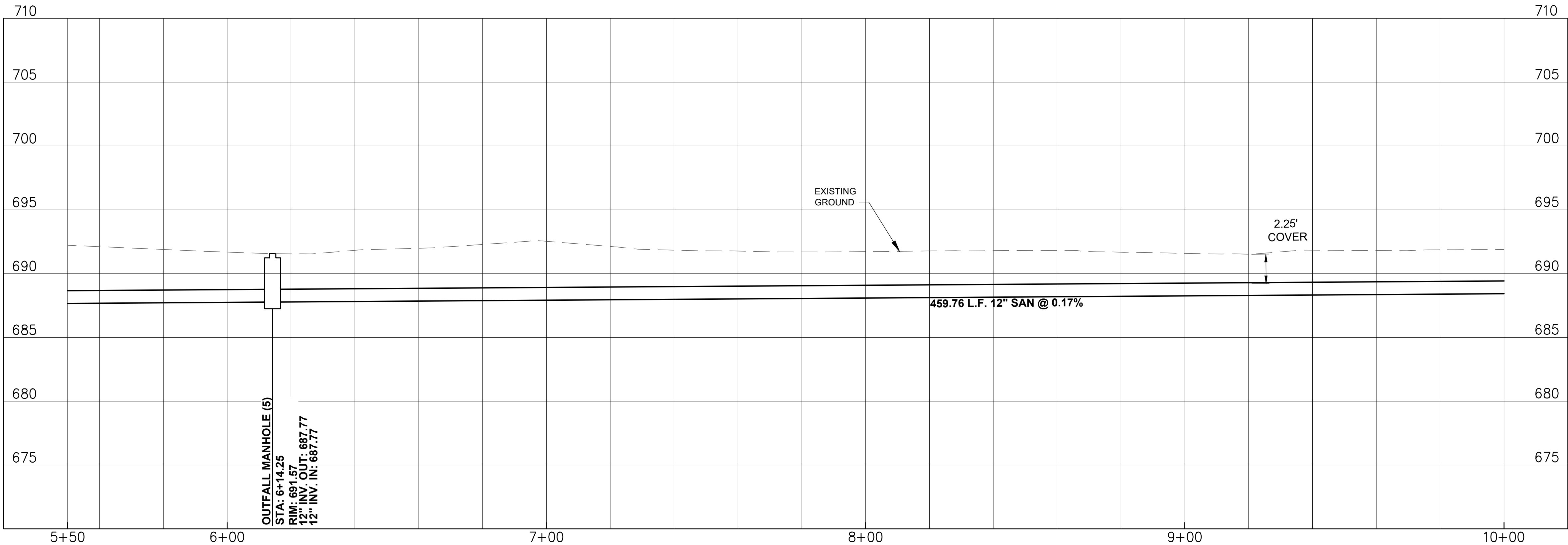
C-4

SHEET 27 OF 147



GENERAL NOTES:

1. MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH DSSS STANDARD DETAIL 8.
2. SHALLOW MANHOLES, UNDER 6'3" DEPTH, SHALL BE CONSTRUCTED IN ACCORDANCE WITH DSSS STANDARD DETAIL 10.
3. DROP MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH DSSS STANDARD DETAIL 11.
4. OUTFALL SEWER TO BE D.I.P WITH PROTECTO 401 EPOXY LINER.



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO:	Q-208
DWG FILE:	01-10 Q-000
DRAWN BY:	ADW
DATE:	06/06/2025
DESIGNED BY:	MSL
CHECKED BY:	RCS
APPROVED BY:	RCS

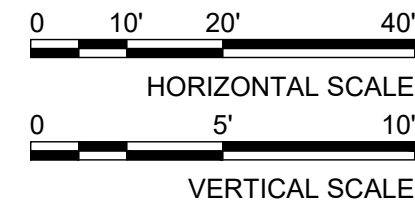
SHEET TITLE

OUTFALL PLAN
AND PROFILE 2
OF 3

C-5

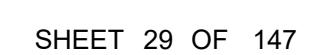
SHEET 28 OF 147

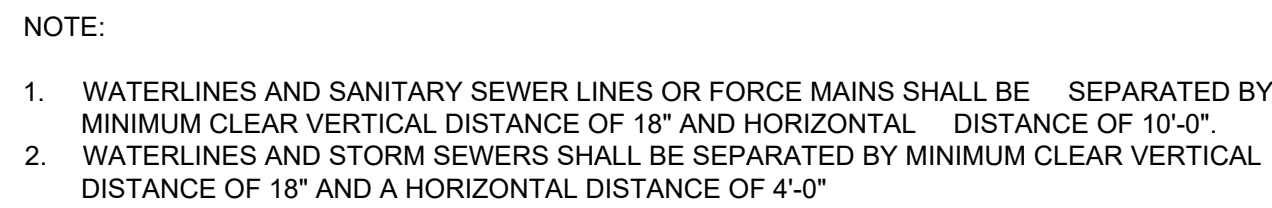
100% SUBMITTAL



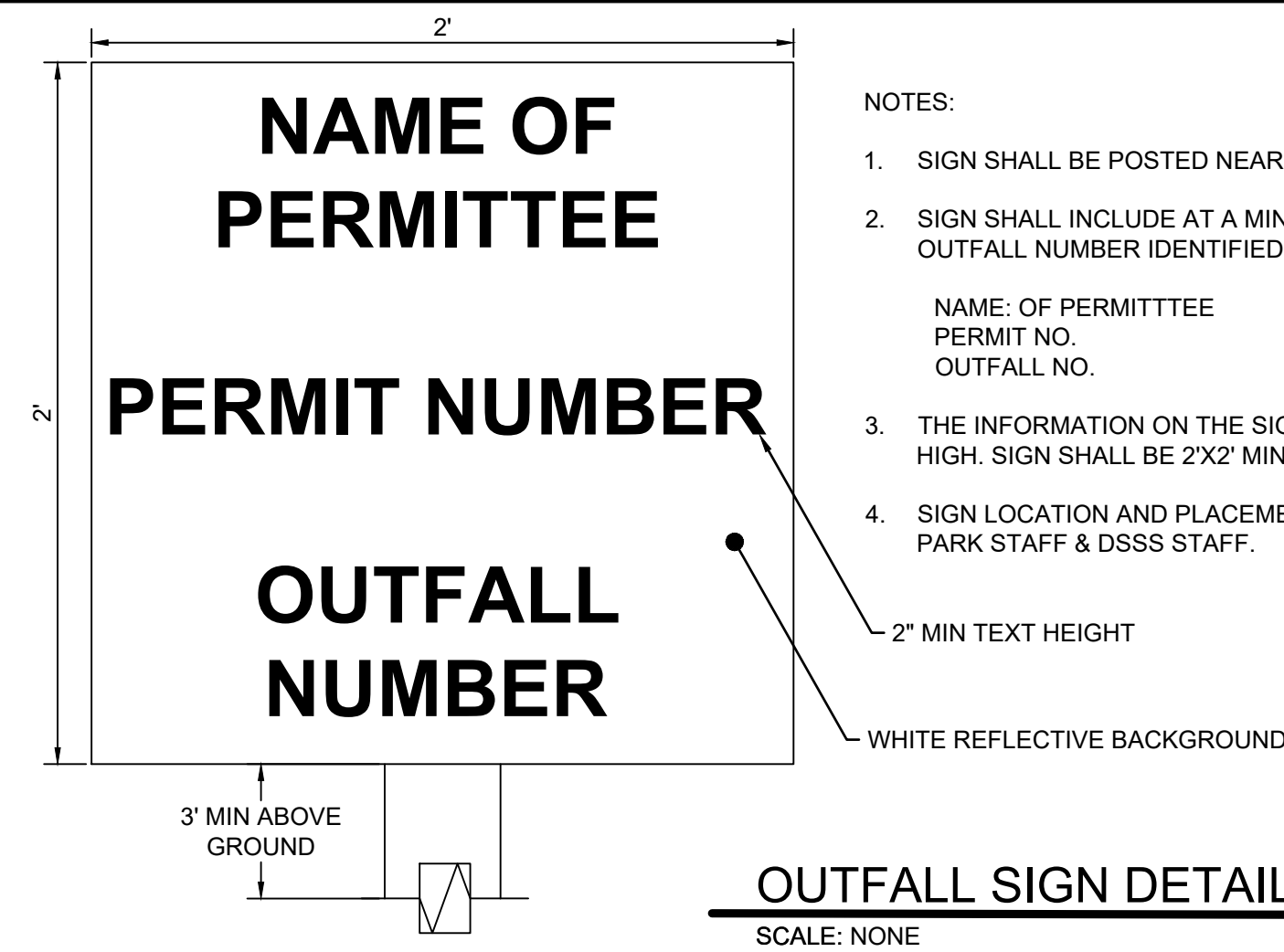
-

100% SUBMITTAL

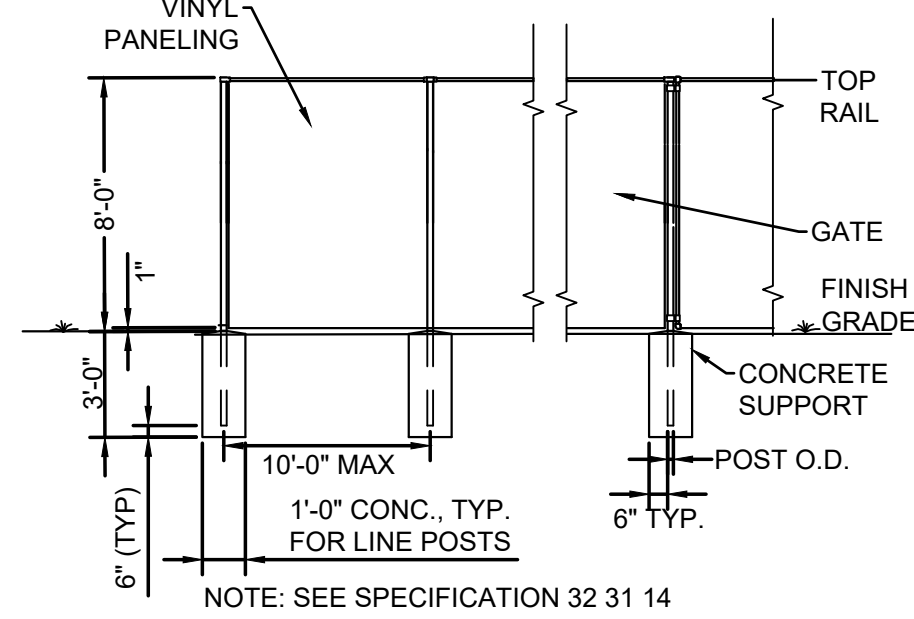




CROSS OVER DETAIL

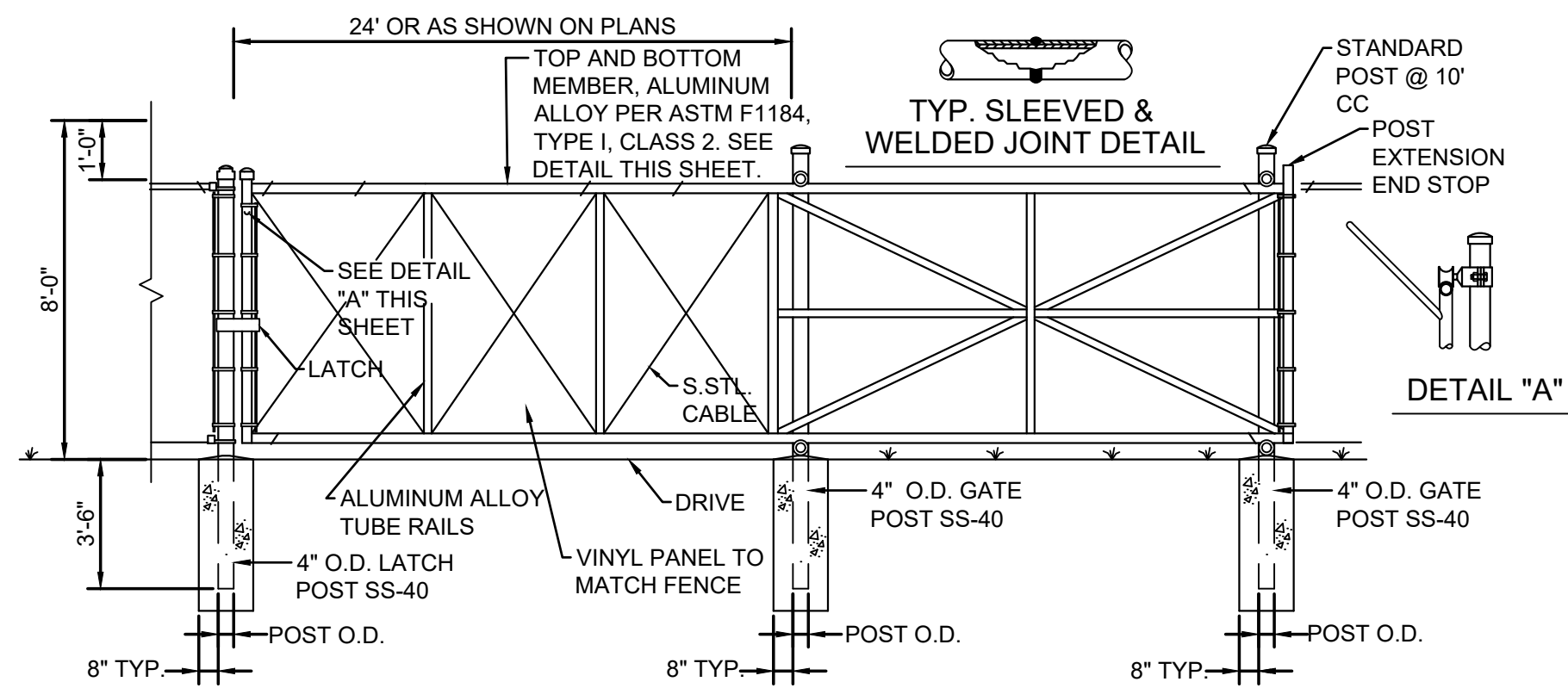
[illegible]

PROJECT NO:	Q-208
DWG FILE:	01-10_Q-000
DRAWN BY:	ADW
DATE:	06/06/20
DESIGNED BY:	MSL
CHECKED BY:	RCS
APPROVED BY:	RCS

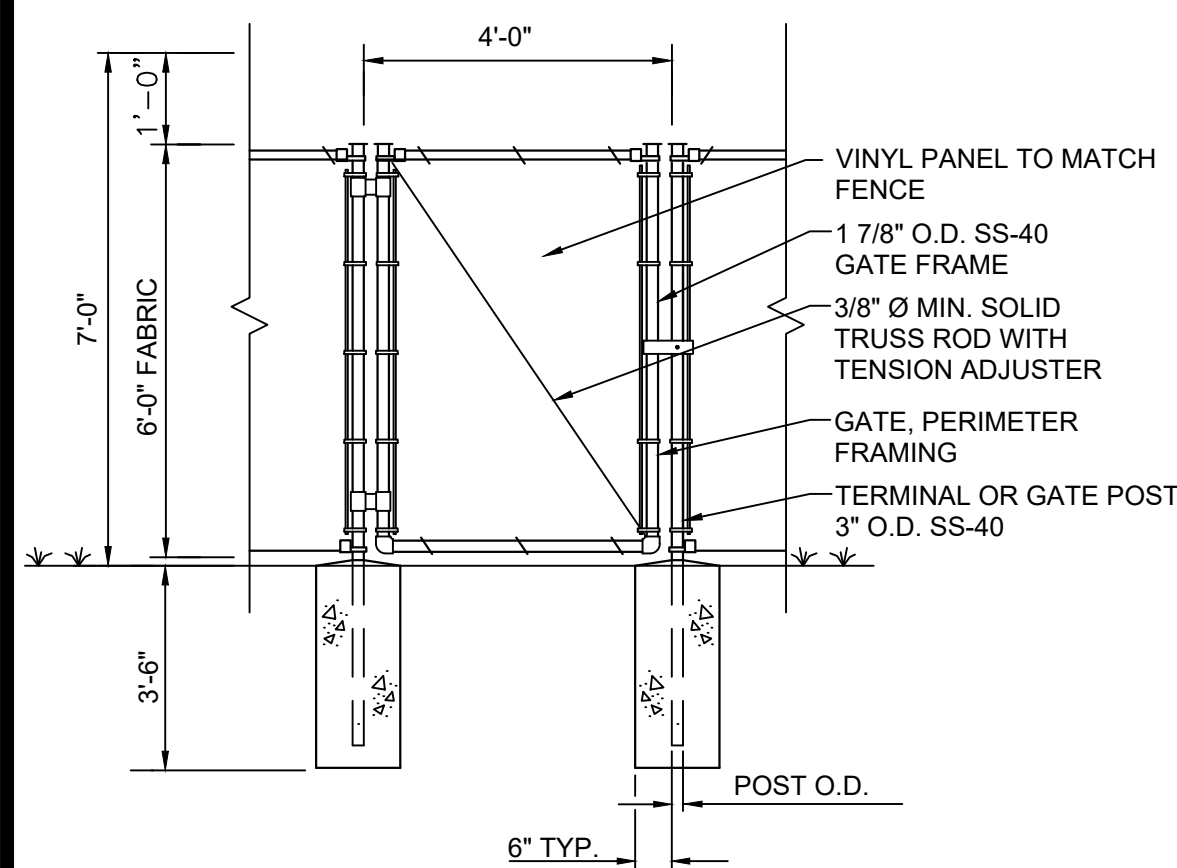


VINYL FENCE DETAIL

SCALE: NONE

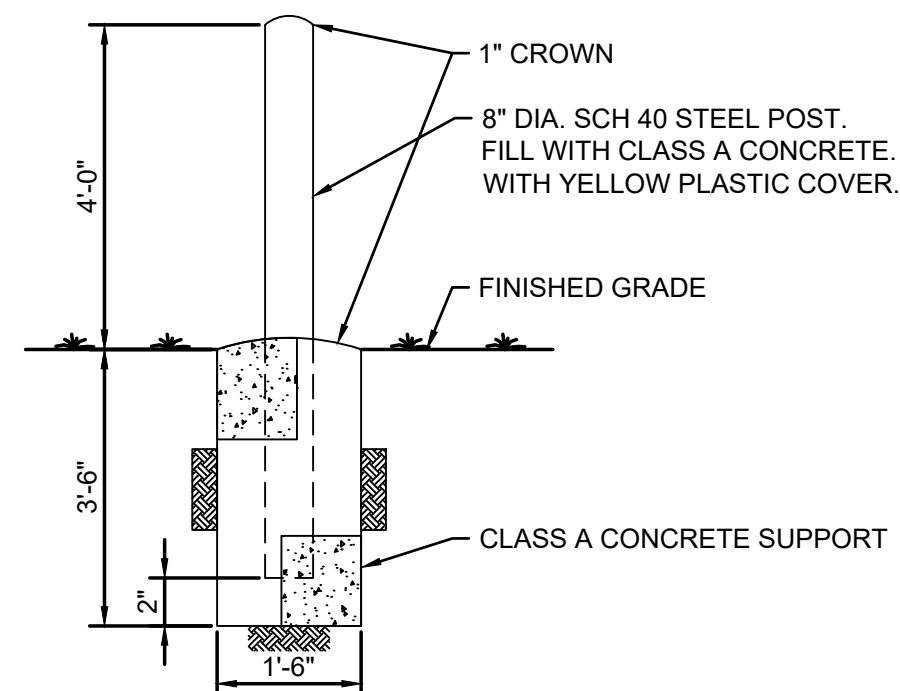


SINGLE CANTILEVER AUTOMATIC AND MOTOR OPERATED GATE DETAIL
SCALE: NONE

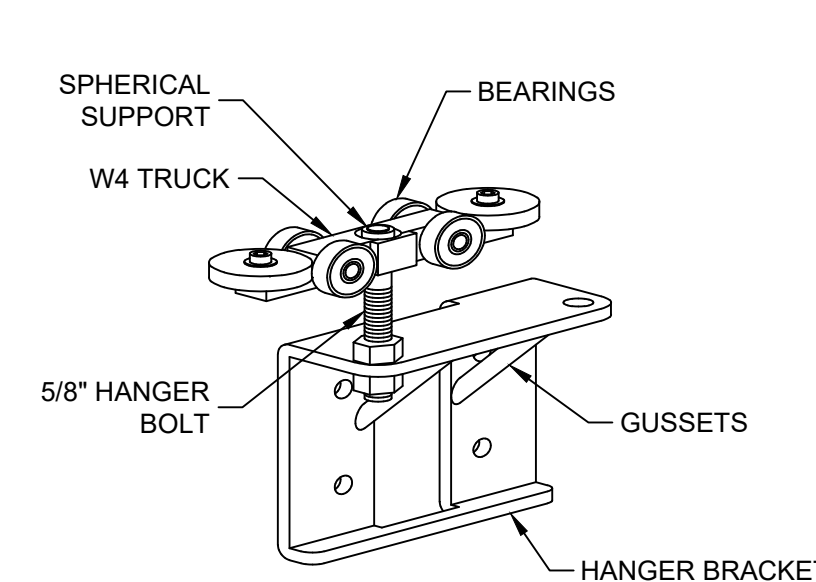
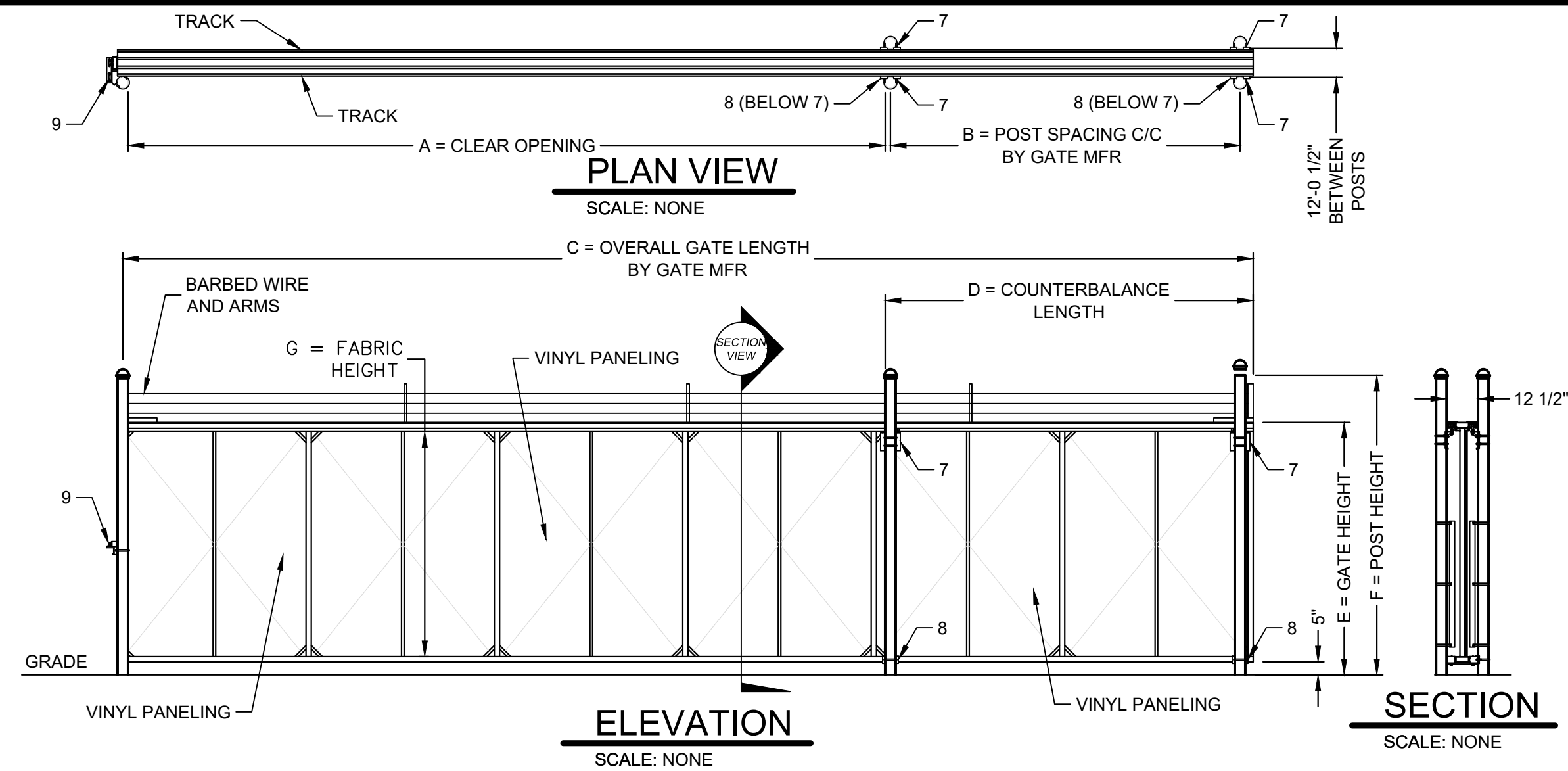


SINGLE SWING GATE DETAIL

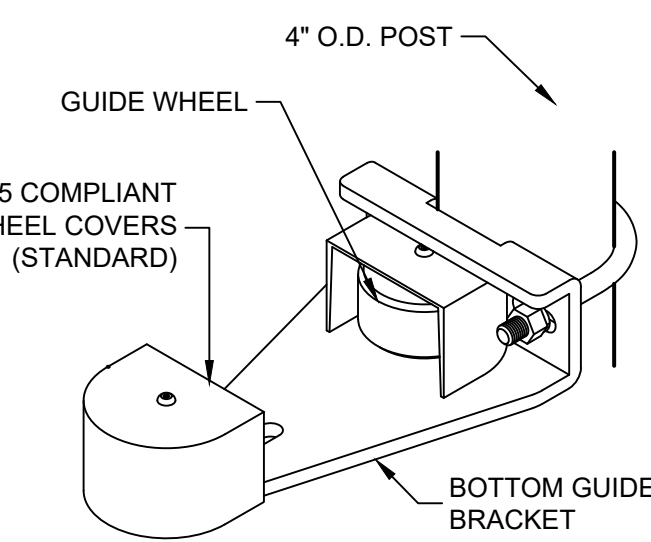
SCALE: NONE



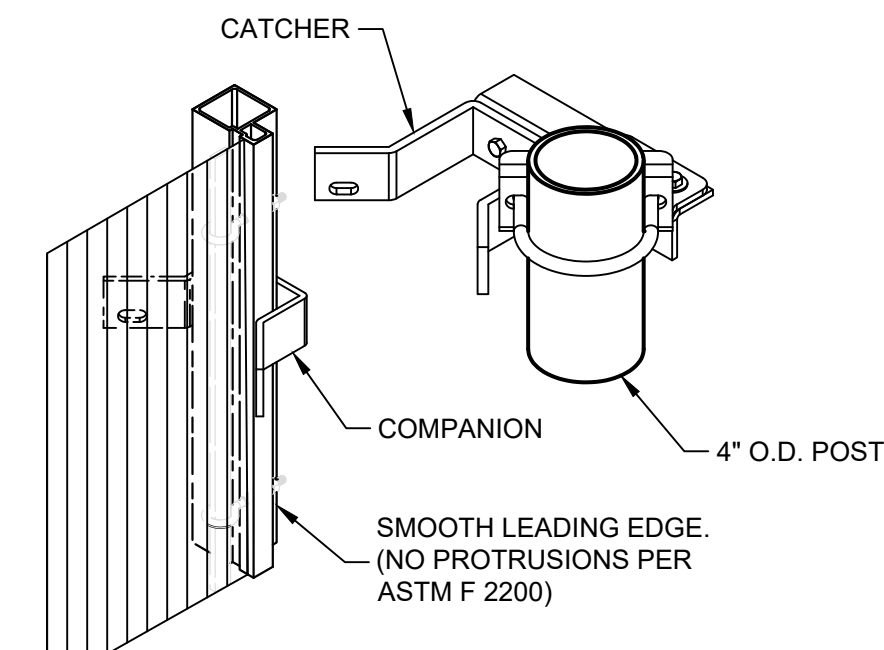
HEAVY DUTY BOLLARD



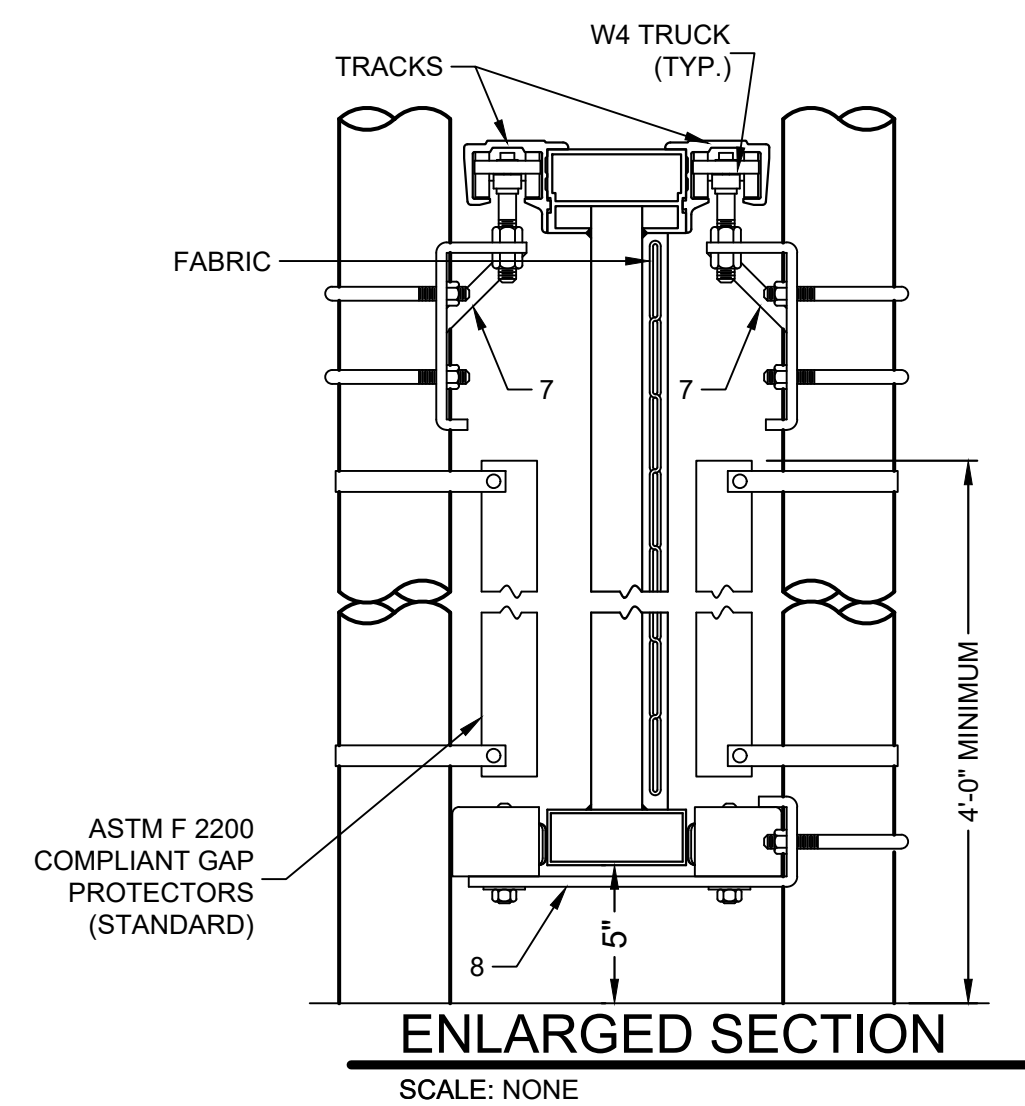
7 GATE HANGER ASSEMBLY



8 BOTTOM GUIDE
SCALE: NONE



9 CATCH ASSEMBLY
SCALE: NONE



SINGLE CANTILEVERED AUTOMATIC GATE DETAIL

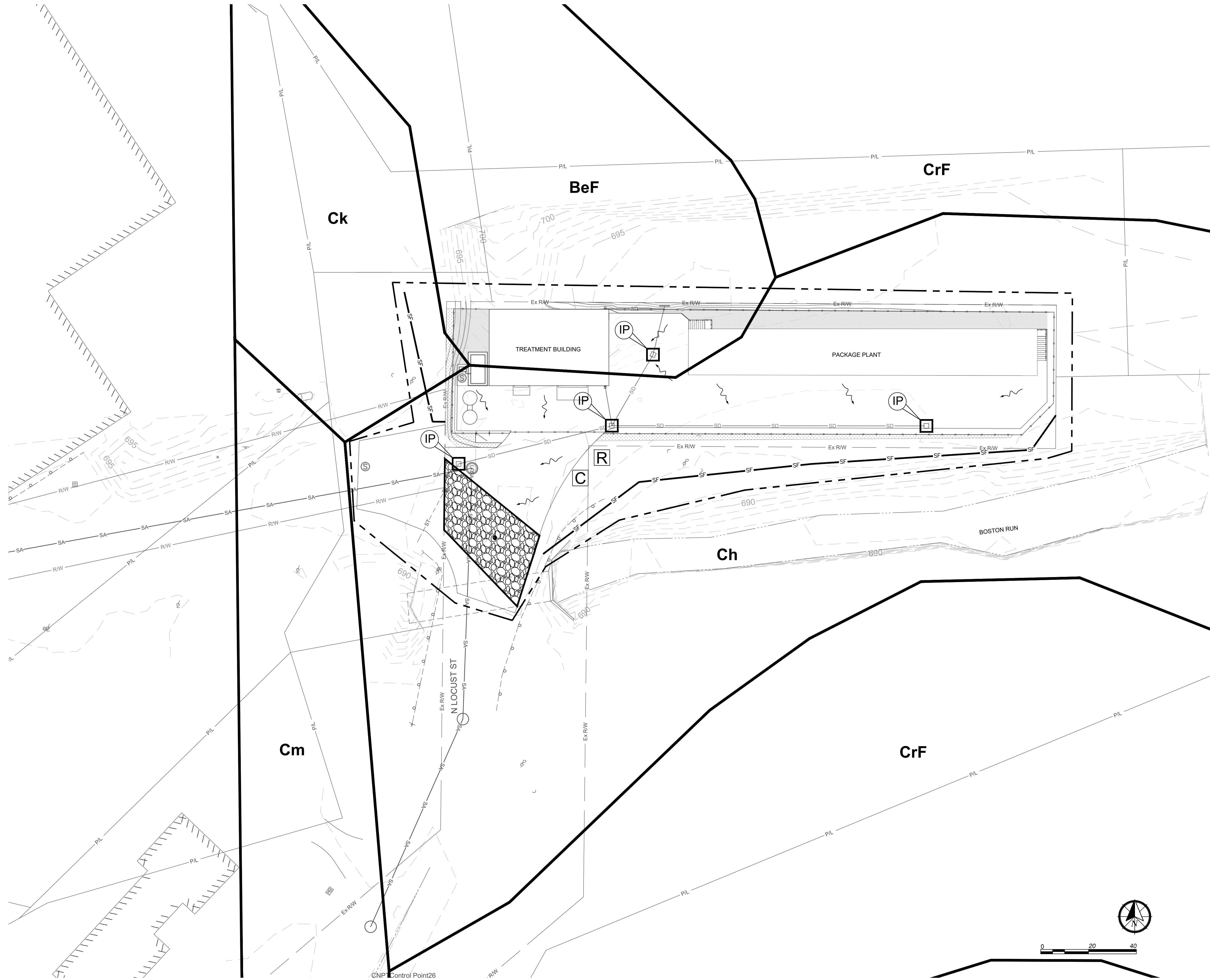
SCALE: NONE

CRITICAL DIMENSION CHART			
MARK	DESCRIPTION	FORMULA	DIM.
A	CLEAR OPENING	A	40'-0"
B	COUNTERBALANCE POST SPACING C/C	(A/2)-1'-11"	14'-1"
C	OVERALL GATE LENGTH	A x 1.5	45'-0"
D	COUNTERBALANCE LENGTH	A x 0.5	15'-0"
E	NOMINAL GATE HEIGHT	E	8'-0"
F	POST HEIGHT (W BARB ARMS)	E + 1'-6"	8'-6"
G	FABRIC HEIGHT	E - 1'-0"	5'-0"

NOTES:

1. AUTOMATIC GATE SHALL HAVE KEYPAD AND INTERCOM FOR ENTRY. KEYPAD SHALL BE LINEAR ACCESS ADVANTAGE DK BY SECURITY BRANDS, INC. OR EQUAL.
2. STRUCTURAL DESIGN BY GATE MANUFACTURER.
3. ALL FITTINGS STANDARDLY PROVIDED FOR 4" O.D. POSTS OR AS REQUIRED BY GATE MFR.
4. PROVIDE BARB ARMS AND BARBED WIRE.
5. FENCE MATERIALS SHALL BE VINYL PANEL PER SPECIFICATION SECTION 32 31 23.
6. GATE OPERATOR SHALL BE LIFT MASTER ELITE SERIES MODEL CSL24UL, OR EQUAL WITH 2 REMOTES.
7. GATE MFR SHALL BE TYMETAL CORP. OR EQUAL.

[illegible]



- CONSTRUCTION ENTRANCE
- INLET PROTECTION
- SILT FENCE
- SOILS
- CONSTRUCTION LIMITS
- CuB** SOIL TYPE
- ONSITE REFUELING
- CONCRETE WASHOUT
- FLOW DIRECTION

- PHASING NOTES:**
1. INSTALL SILT FENCE AROUND DISTURBED AREA.
 2. INSTALL INLET PROTECTION ON EXISTING STRUCTURES.
 3. CONSTRUCT ACCESS DRIVE WITH CONSTRUCTION ENTRANCE.
 4. INSTALL CONCRETE WASHOUT AND REFUELING SITE.
 5. CLEAR AND GRUB SITE.
 6. INSTALL INLET PROTECTION ON COMPLETED NEW STRUCTURES.
- NOTES:**
1. CONTRACTOR SHALL COORDINATE PROJECT LAYDOWN AREA WITH VILLAGE, CVNP, AND PROPERTY OWNERS TO DETERMINE ON ACCEPTABLE LOCATION. LAYDOWN AREA SHALL BE LOCATED TO MINIMIZE IMPACT ON LOCAL TRAFFIC AND BUSINESSES.

100% SUBMITTAL

MARK	DATE	DESCRIPTION	BY

PROJECT NO:	Q-208
DWG FILE:	01-10 Q-000
DRAWN BY:	ADW
DATE:	06/06/2025
DESIGNED BY:	MSL
CHECKED BY:	RCS
APPROVED BY:	RCS

SHEET TITLE

OVERALL SWPPP PLAN

1. STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION SITE.

2. TEMPORARY SEED SHALL BE APPLIED BETWEEN CONSTRUCTION OPERATIONS ON SOIL THAT WILL NOT BE GRADED OR REWORKED FOR 21 DAYS OR GREATER. THESE IDLE AREAS SHALL BE SEEDED WITHIN 7 DAYS AFTER GRADING.

3. THE SEEDBED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. TEMPORARY SEEDING SHOULD NOT BE POSTPONED IF IDEAL SEEDBED PREPARATION IS NOT POSSIBLE.

4. SOIL AMENDMENTS -- TEMPORARY VEGETATION SEEDING RATES SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION, WHICH MAY REQUIRE THE USE OF SOIL AMENDMENTS. BASE RATES FOR LIME AND FERTILIZER SHALL BE USED.

5. SEEDING METHOD -- SEED SHALL BE APPLIED UNIFORMLY WITH A CYCLONE SPREADER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR CULTIPACKER. IF HYDROSEEDING IS USED, THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.

MULCHING TEMPORARY SEEDING

1. APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH, WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES ON FAVORABLE, VERY FLAT SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION.

2. MATERIALS:

STRAW -- IF STRAW IS USED, IT SHALL BE UNROTTED SMALL-- GRAIN STRAW APPLIED AT A RATE OF 2 TONS PER ACRE OR 90 LBS / 1,000 SQ. FT. (2-3 BALES)

HYDROSEEDERS -- IF WOOD CELLULOSE FIBER IS USED, IT SHALL BE USED AT 2000 LBS./AC. OR 46 LB / 1,000-- SQ.-- FT.

OTHER -- OTHER ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 6 TON/ AC.

3. STRAW MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER. ANCHORING METHODS:

* MECHANICAL-- A DISK, CRIMPER, OR SIMILAR TYPE TOOL SHALL BE SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT LEFT TO A LENGTH OF APPROXIMATELY 6 INCHES.

* MULCH NETTING -- NETTING SHALL BE USED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. NETTING MAY BE NECESSARY TO HOLD MULCH IN PLACE IN AREAS OF CONCENTRATED RUNOFF AND ON CRITICAL SLOPES.

* SYNTHETIC BINDERS -- SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-- TAC), DCA--70, PETROSET, TERRA TRACK OR EQUIVALENT MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER.

* WOOD-- CELLULOSE FIBER -- WOOD-- CELLULOSE FIBER BINDER SHALL BE APPLIED AT A NET DRY WT. OF 750 LB./AC. THE WOOD-- CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB. / 100 GAL.

SITE PREPARATION

1. SUBSOILER, PLOW, OR OTHER IMPLEMENT SHALL BE USED TO REDUCE SOIL COMPACTION AND ALLOW MAXIMUM INFILTRATION. (MAXIMIZING INFILTRATION WILL HELP CONTROL BOTH RUNOFF RATE AND WATER QUALITY.) SUBSOILING SHOULD BE DONE WHEN THE SOIL MOISTURE IS LOW ENOUGH TO ALLOW THE SOIL TO CRACK OR FRACTURE. SUBSOILING SHALL NOT BE DONE ON SLIP-PRONE AREAS WHERE SOIL PREPARATION SHOULD BE LIMITED TO WHAT IS NECESSARY FOR ESTABLISHING VEGETATION.

2. THE SITE SHALL BE GRADED AS NEEDED TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION AND SEEDING.

3. TOPSOIL SHALL BE APPLIED WHERE NEEDED TO ESTABLISH VEGETATION.

SEEDBED PREPARATION

1. LIME -- AGRICULTURAL GROUND LIMESTONE SHALL BE APPLIED TO ACID SOIL AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, LIME SHALL BE APPLIED AT THE RATE OF 100 POUNDS PER 1,000-- SQ. FT. OR 2 TONS PER ACRE.

2. FERTILIZER-- FERTILIZER SHALL BE APPLIED AS RECOMMENDED BY A SOIL TEST. IN PLACE OF A SOIL TEST, FERTILIZER SHALL BE APPLIED AT A RATE OF 25 POUNDS PER 1,000-- SQ. FT. OR 1000 POUNDS PER ACRE OF A 10--10--10 OR 12--12--12 ANALYSIS.

3. THE LIME AND FERTILIZER SHALL BE WORKED INTO THE SOIL WITH A DISK HARROW, SPRING-- TOOTH HARROW, OR OTHER SUITABLE FIELD IMPLEMENT TO A DEPTH OF 3 INCHES. ON SLOPING LAND, THE SOIL SHALL BE WORKED ON THE CONTOUR.

SEEDING DATES AND SOIL CONDITIONS

SEEDING SHOULD BE DONE MARCH 1 TO MAY 31 OR AUGUST 1 TO SEPTEMBER 30. IF SEEDING OCCURS OUTSIDE OF THE ABOVE SPECIFIED DATES, ADDITIONAL MULCH AND IRRIGATION MAY BE REQUIRED TO ENSURE A MINIMUM OF 80% GERMINATION. TIP VAGE FOR SEEDBED PREPARATION SHOULD BE DONE WHEN SOIL IS DRY ENOUGH TO CRUMBLE AND NOT FORM RIBBONS WHEN COMPRESSED BY HAND. FOR WINTER SEEDING, SEE THE FOLLOWING SECTION ON DORMANT SEEDING.

DORMANT SEEDING

1. SEEDING SHOULD NOT BE MADE FROM OCTOBER 1 THROUGH NOVEMBER 20. DURING THIS PERIOD, THE SEEDS ARE LIKELY TO GERMINATE BUT PROBABLY WILL NOT ABLE TO SURVIVE THE WINTER.

2. THE FOLLOWING METHODS MAY BE USED FOR "DORMANT SEEDING":

* FROM OCTOBER 1 THROUGH NOVEMBER 20, PREPARE THE SEEDBED, ADD THE REQUIRED AMOUNTS OF LIME AND FERTILIZER, THEN MULCH AND ANCHOR. AFTER NOVEMBER 20, AND BEFORE MARCH 15, BROADCAST THE SELECTED SEED MIXTURE. INCREASE THE SEEDING RATES BY 50% FOR THIS TYPE OF SEEDING.

* FROM NOVEMBER 20 THROUGH MARCH 15, WHEN SOIL CONDITIONS PERMIT, PREPARE THE SEEDBED, LIME AND FERTILIZE, APPLY THE SELECTED SEED MIXTURE, MULCH AND ANCHOR. INCREASE THE SEEDING RATE BY 50% FOR THIS TYPE OF SEEDING.

* APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDRO-- SEEDER (SLURRY MAY INCLUDE SEED AND FERTILIZER) ON A FIRM, MOIST SEEDBED.

* WHERE FEASIBLE, EXCEPT WHEN A CULTIPACKER TYPE SEEDER IS USED, THE SEEDBED SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A CULTIPACKER, ROLLER, OR HIGH DRAG. ON SLOPING LAND, SEEDING OPERATIONS SHOULD BE ON THE CONTOUR WHERE FEASIBLE.

MULCHING

1. MULCHING MATERIAL SHALL BE APPLIED IMMEDIATELY AFTER SEEDING. DORMANT SEEDING SHALL BE MULCHED. 100% OF THE GROUND SURFACE SHALL BE COVERED WITH AN APPROVED MATERIAL.

PERMANENT SEEDING CONT

2. MATERIALS

* STRAW -- IF STRAW IS USED IT SHALL BE UNROTTED SMALL--GRAIN STRAW APPLIED AT THE RATE OF 2 TONS PER ACRE OR 90 POUNDS (TWO TO THREE BALES) PER 1,000 SQ. FT. THE MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY APPLIED SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQ. FT. SECTIONS AND SPREAD TWO 45 LB. BALES OF STRAW IN EACH SECTION.

* HYDROSEEDERS -- IF WOOD CELLULOSE FIBER IS USED, IT SHALL BE APPLIED AT 2,000 LB./AC. OR 46 LB./1,000 SQ. FT.

* OTHER -- OTHER ACCEPTABLE MULCHES INCLUDE ROLLED EROSION CONTROL MATTINGS OR BLANKETS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 6 TONS PER ACRE.

3. STRAW AND MULCH ANCHORING METHOD

* STRAW MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER.

* MECHANICAL -- A DISK, CRIMPER, OR SIMILAR TYPE TOOL SHALL BE SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT, GENERALLY, BE LEFT LONGER THAN 6 INCHES.

* MULCH NETTING -- NETTING SHALL BE USED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. NETTING MAY BE NECESSARY TO HOLD MULCH IN PLACE IN AREAS OF CONCENTRATED RUNOFF AND ON CRITICAL SLOPES.

* ASPHALT EMULSION -- ASPHALT SHALL BE APPLIED AS RECOMMENDED BY THE MANUFACTURER OR AT A RATE OF 160 GALLONS PER ACRE.

* SYNTHETIC BINDER -- SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-- TAC), DCA--70, PETROSET, TERRA TRACK OR EQUIVALENT MAY BE USED AT RATES SPECIFIED BY THE MANUFACTURER.

* WOOD CELLULOSE FIBER -- WOOD CELLULOSE FIBER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 POUNDS PER ACRE. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER WITH THE MIXTURE CONTAINING A MAXIMUM OF 50 POUNDS CELLULOSE PER 100 GALLONS OF WATER.

IRRIGATION

* PERMANENT SEEDING SHALL INCLUDE IRRIGATION TO ESTABLISH VEGETATION DURING DRY WEATHER OR ON ADVERSE SITE CONDITIONS, WHICH REQUIRE ADEQUATE MOISTURE FOR SEED GERMINATION AND PLANT GROWTH.

* IRRIGATION RATES SHALL BE MONITORED TO PREVENT EROSION AND DAMAGE TO SEEDING AREAS FROM EXCESSIVE RUNOFF.

TEMPORARY ROLLED EROSION CONTROL PRODUCT CONT

1. CHANNEL /SLOPE SOIL PREPARATION GRADE AND COMPACT AREA OF INSTALLATION. PREPARING SEEDBED BY LOOSENING 2"-3" OF TOPSOIL ABOVE FINAL GRADE. INCORPORATE AMENDMENTS SUCH AS LIME AND FERTILIZER INTO SOIL. REMOVE ALL ROCKS, CLODS, VEGETATION OR OTHER DEBRIS SO THAT INSTALLED RECP WILL HAVE DIRECT CONTACT WITH THE SOIL SURFACE.

2. CHANNEL/SLOPE SEEDING APPLY SEED TO SOIL SURFACE PRIOR TO INSTALLATION. ALL CHECK SLOTS, ANCHOR TRENCHES, AND OTHER DISTURBED AREAS MUST BE RESEDED. REFER TO THE PERMANENT SEEDING SPECIFICATION FOR SEEDING RECOMMENDATIONS.

SLOPE INSTALLATION

3. EXCAVATE TOP AND BOTTOM TRENCHES (12"x6"). INTERMITTENT EROSION CHECK SLOTS (6"x6") MAY BE REQUIRED BASED ON SLOPE LENGTH. EXCAVATE TOP ANCHOR TRENCH 2' X 3' OVER CREST OF SLOPE.

4. IF INTERMITTENT EROSION CHECK SLOTS ARE REQUIRED, INSTALL RECP IN 6"x6" SLOT AT A MAXIMUM OF 30' CENTERS OR THE MID POINT OF THE SLOPE. RECP SHOULD BE STAPLED INTO TRENCH ON 12' CENTERS.

5. INSTALL RECP IN TOP ANCHOR TRENCH, ANCHOR ON 12" SPACINGS, BACKFILL AND COMPACT SOIL.

6. UNROLL RECP DOWN SLOPE WITH ADJACENT ROLLS OVERLAPPED A MINIMUM OF 3". ANCHOR THE SEAM EVERY 18". LAY THE RECP LOOSE TO MAINTAIN DIRECT SOIL CONTACT, DO NOT PULL TAUGHT.

7. OVERLAP ROLL ENDS A MINIMUM OF 12" WITH UP SLOPE RECP ON TOP FOR A SHINGLE EFFECT. BEGIN ALL NEW ROLLS IN AN EROSION CHECK SLOT IF REQUIRED, DOUBLE ANCHOR ACROSS ROLL EVERY 12".

* INSTALL RECP IN BOTTOM ANCHOR TRENCH (12"x6"). ANCHOR EVERY 12". PLACE ALL OTHER STAPLES THROUGHOUT SLOPE AT 1 TO 2.5 PER SQUARE YARD PENDANT ON SLOPE. REFER TO MANUFACTURER'S ANCHOR GUIDE CHANNEL INSTALLATION.

8. EXCAVATE INITIAL ANCHOR TRENCH (12' X 6") ACROSS THE LOWER END OF THE PROJECT AREA.

9. EXCAVATE INTERMITTENT CHECK SLOTS (6" X 6") ACROSS THE CHANNEL AT 30' INTERVALS ALONG THE CHANNEL.

10. EXCAVATE LONGITUDINAL CHANNEL ANCHOR SLOTS (4' X 4') ALONG BOTH SIDES OF THE CHANNEL TO BURY THE EDGES. WHENEVER POSSIBLE EXTEND THE RECP 2'-3' ABOVE THE CREST OF THE CHANNEL SIDE SLOPES.

11. INSTALL RECP IN INITIAL ANCHOR TRENCH (DOWNSTREAM), ANCHOR EVERY 12", BACKFILL AND COMPACT SOIL.

12. ROLL OUT RECP BEGINNING IN THE CENTER OF THE CHANNEL TOWARD THE INTERMITTENT CHECK SLOT. DO NOT PULL TAUGHT. UNROLL ADJACENT ROLLS UPSTREAM WITH A 3" MINIMUM OVERLAP (ANCHOR EVERY 18") AND UP EACH CHANNEL SLOPE.

13. AT TOP OF CHANNEL SIDE SLOPES INSTALL RECP IN THE LONGITUDINAL ANCHOR SLOTS, ANCHOR EVERY 18".

14. INSTALL RECP IN INTERMITTENT CHECK SLOTS. LAY IN TO TRENCH AND SECURE WITH ANCHORS EVERY 12". BACKFILL WITH SOIL AND COMPACT.

15. OVERLAP ROLL ENDS A MINIMUM OF 12" WITH UPSTREAM RECP ON TOP FOR A SHINGLING EFFECT. BEGIN ALL NEW ROLLS IN AN INTERMITTENT CHECK SLOT, DOUBLE ANCHORED EVERY 12".

16. INSTALL UPSTREAM END IN A TERMINAL ANCHOR TRENCH (12' X 6"); ANCHOR EVERY 12", BACKFILL AND COMPACT.

17. COMPLETE ANCHORING THROUGHOUT CHANNEL AT 2.5 PER SQUARE YARD USING SUITABLE GROUND ANCHORING DEVICES (U SHAPED WIRE STAPLES, METAL GEO-TEXTILE PINS, PLASTIC STAKES, AND TRIANGULAR WOODEN STAKES). ANCHORS SHOULD BE OF SUFFICIENT LENGTH TO RESIST PULLOUT. LONGER ANCHORS MAY BE REQUIRED IN LOOSE, SANDY OR GRAVELLY SOIL.



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308



Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO:	Q-208
DWG FILE:	01-10 Q-000
DRAWN BY:	ADW
DATE:	06/06/2025
DESIGNED BY:	MSL
CHECKED BY:	RCS
APPROVED BY:	RCS

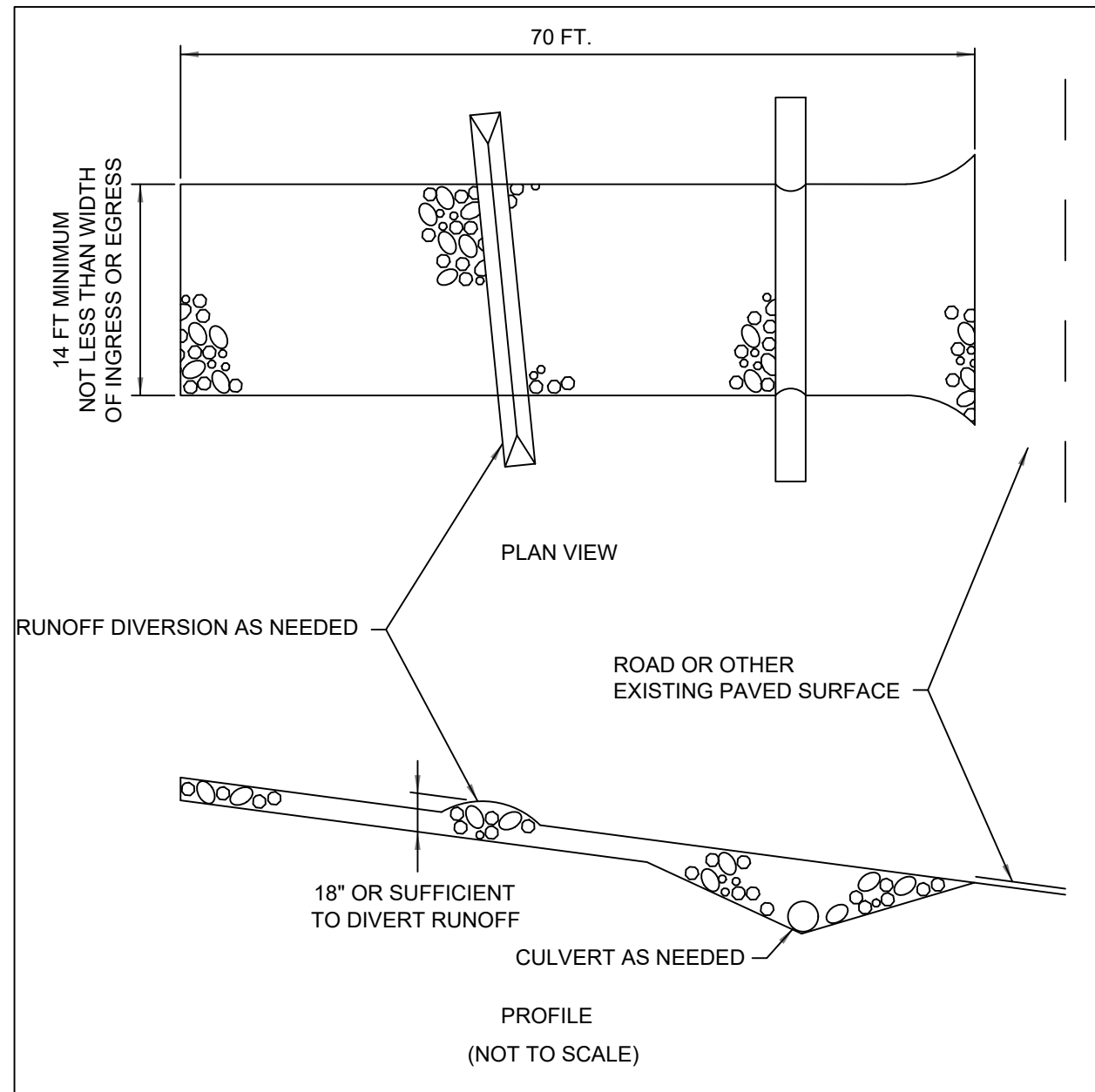
SHEET TITLE

SWPPP DETAILS
2 OF 3

C-12

SHEET 35 OF 147

100% SUBMITTAL



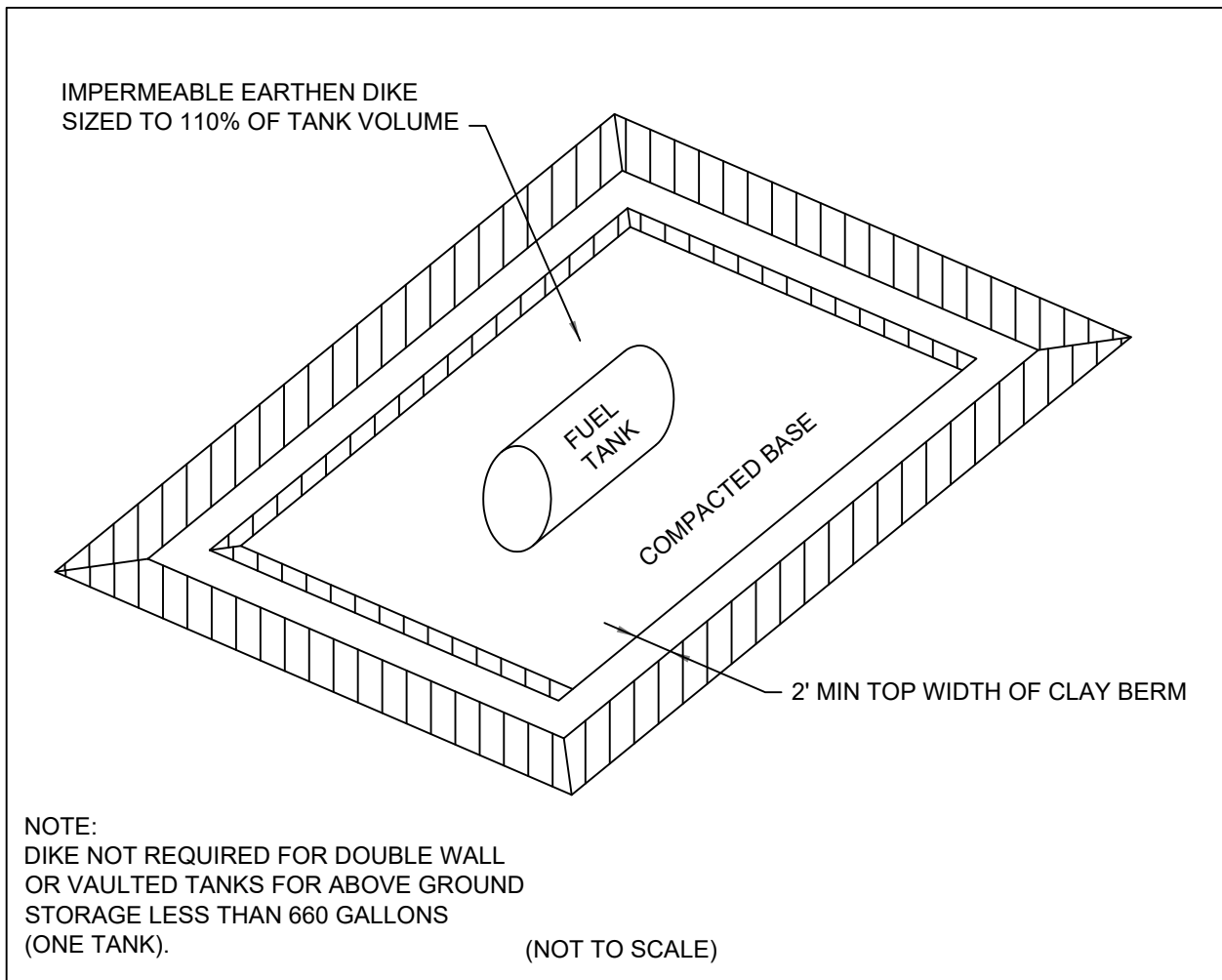
CONSTRUCTION ENTRANCE DETAIL

SCALE: NONE

1. STONE SIZE- ODOT #2 (1.5-2.5 INCH) STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH- THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 70 FT.
3. THICKNESS - THE STONE LAYER SHALL BE AT LEAST 6 INCHES THICK FOR LIGHT DUTY ENTRANCES OR AT LEAST 10 INCHES FOR HEAVY DUTY USE.
4. WIDTH- THE ENTRANCE SHALL BE AT LEAST 14 FEET WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. GEOTEXTILE- A GEOTEXTILE SHALL BE LAID OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG ROT- PROOF POLYMERIC FIBERS AND MEET THE FOLLOWING SPECIFICATIONS:

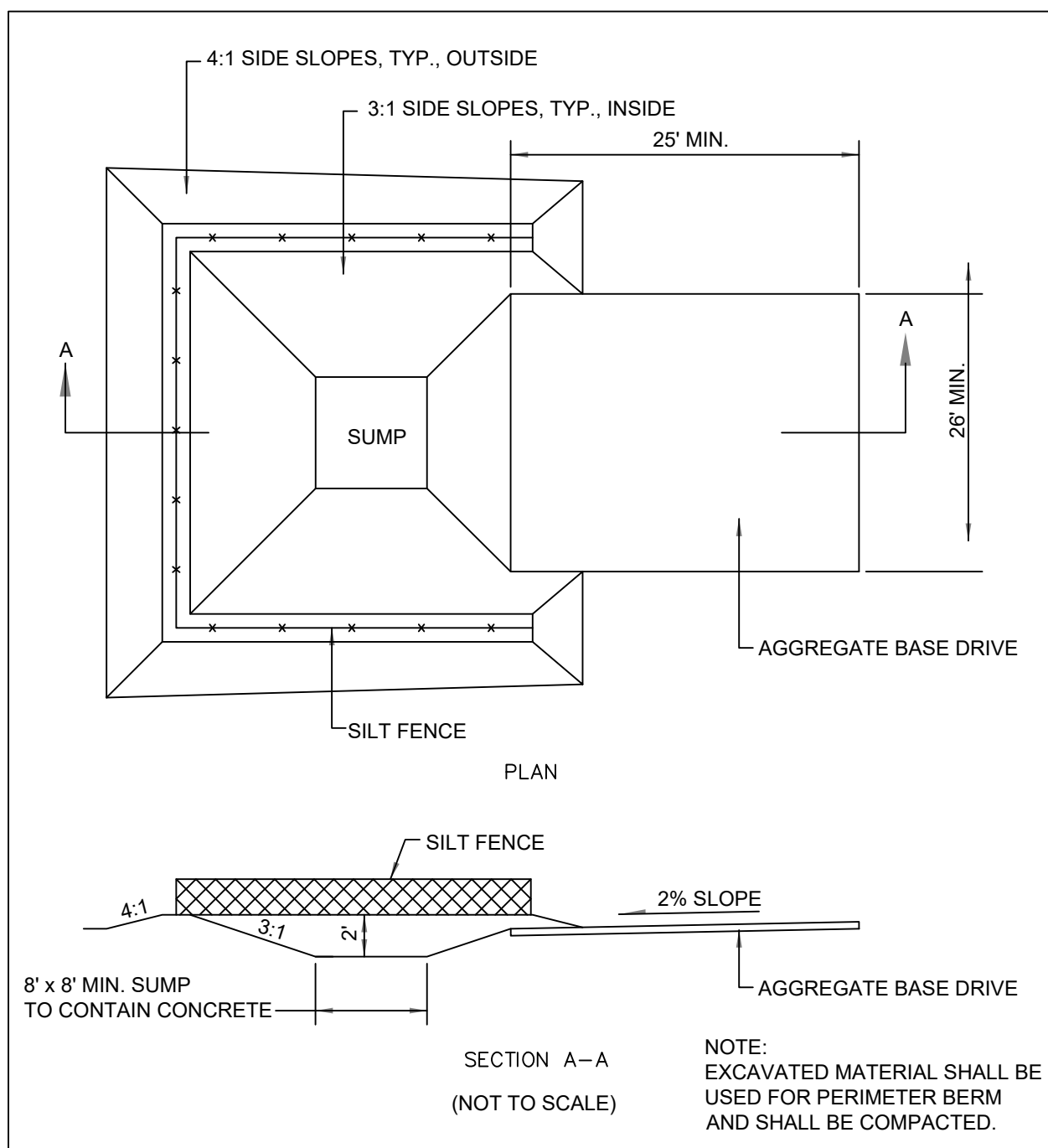
GEOTEXTILE SPECIFICATION FOR CONSTRUCTION ENTRANCE	
MINIMUM TENSILE STRENGTH	200 LBS
MINIMUM PUNCTURE STRENGTH	80 PSI
MINIMUM TEAR STRENGTH	50 LBS
MINIMUM BURST STRENGTH	320 PSI
MINIMUM ELONGATION	20%
EQUIVALENT OPENING SIZE	EOS<0.6 MM
PERMITTIVITY	1x10-3 CM/SEC.

6. TIMING - THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SOON AS IS PRACTICABLE BEFORE MAJOR GRADING ACTIVITIES.
7. CULVERT- A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FROM FLOWING ACROSS THE ENTRANCE OR TO PREVENT RUNOFF FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
8. WATER BAR - A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ON TO PAVED SURFACES.
9. MAINTENANCE- TOP DRESSING OF ADDITION AT STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ON TO PUBLIC ROADS, OR ANY SURFACE WHERE RUN OFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
10. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION SITE SHALL BE RESTRICTED FROM MUDDY AREAS.
11. REMOVAL- THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED WITH A PERMANENT ROADWAY OR ENTRANCE.



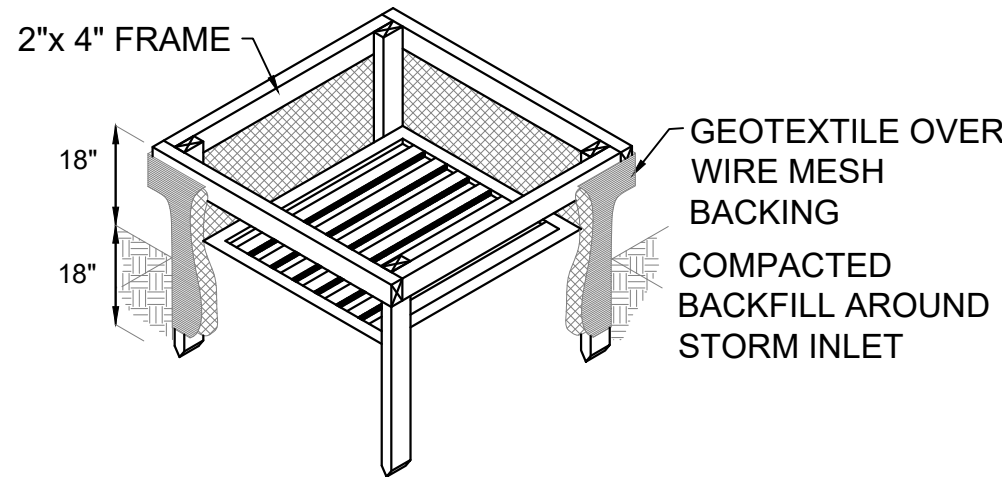
ON-SITE FUEL STORAGE DETAIL

SCALE: NONE



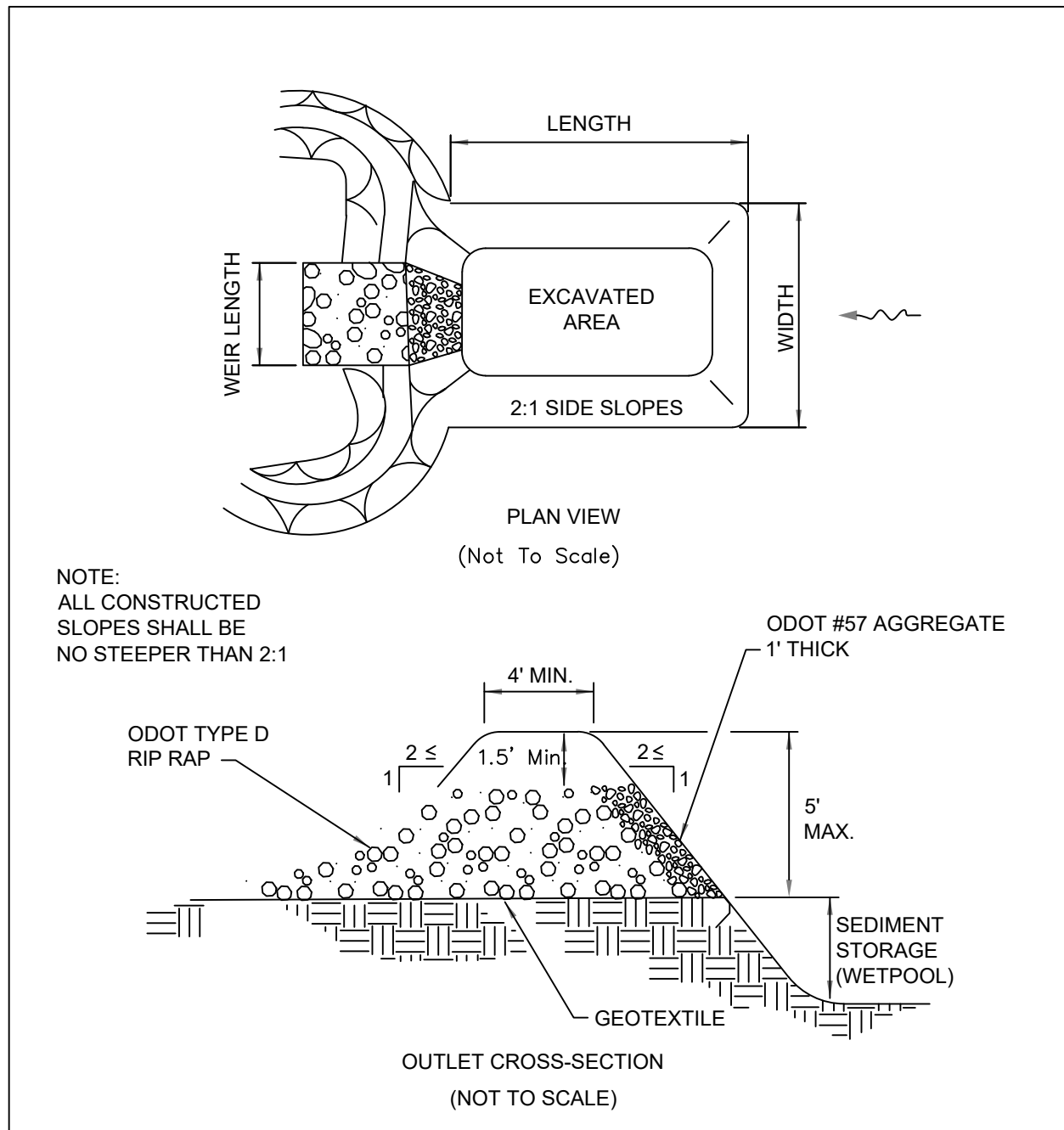
CONCRETE WASH OUT AREA DETAIL

SCALE: NONE



FILTER FABRIC INLET PROTECTION

SCALE: NONE

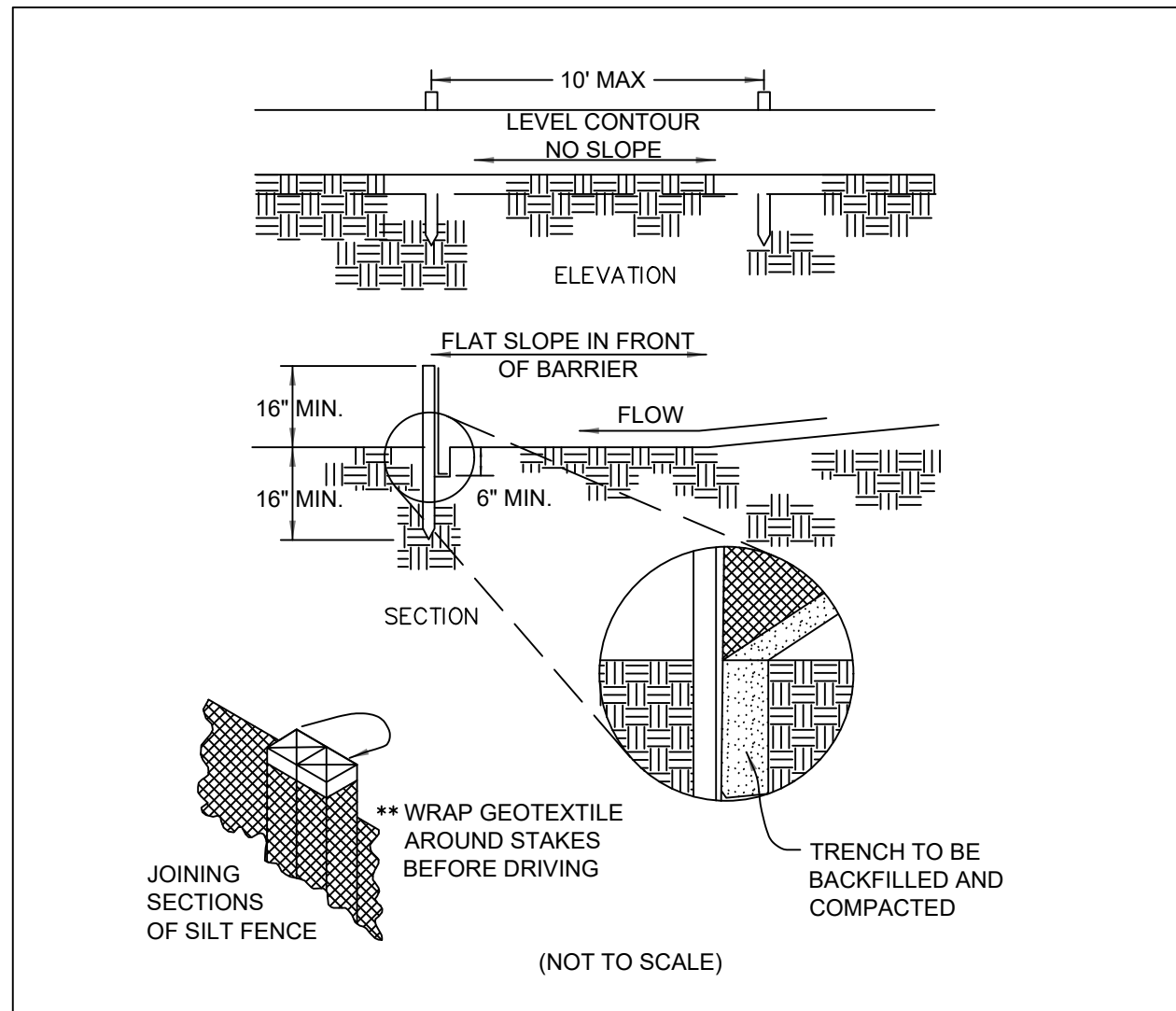


SEDIMENT TRAP DETAIL

SCALE: NONE

1. WORK SHALL CONSIST OF THE INSTALLATION, MAINTENANCE AND REMOVAL OF ALL SEDIMENT TRAPS.
2. SEDIMENT TRAPS SHALL BE CONSTRUCTED TO THE DIMENSIONS SPECIFIED ON THE DRAWINGS AND OPERATIONAL PRIOR TO UPSLOPE LAND DISTURBANCE.
3. THE AREA BENEATH THE EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF VEGETATION TO A MINIMUM DEPTH OF SIX (6) INCHES. THE POOL SHALL BE CLEARED AS NEEDED TO FACILITATE SEDIMENT CLEAN OUT.
4. FILL USED FOR THE EMBANKMENT SHALL BE EVALUATED TO ASSURE ITS SUITABILITY AND IT MUST BE FREE OF ROOTS OR OTHER WOODY VEGETATION, LARGE ROCKS, ORGANICS OR OTHER
OBJECTIONABLE MATERIALS. FILL MATERIAL SHALL BE PLACED IN SIX (6) INCH LIFTS AND SHALL BE COMPACTED BY TRAVERSING WITH A SHEEP FOOT OR OTHER APPROVED COMPACTION EQUIPMENT. FILL HEIGHT SHALL BE INCREASED FIVE (5) PERCENT TO ALLOW FOR STRUCTURE/ FOUNDATION SETTLEMENT. CONSTRUCTION SHALL NOT BE PERMITTED IF EITHER THE EARTH FILL OR COMPACTION SURFACE IS FROZEN.
5. THE MAXIMUM HEIGHT OF EMBANKMENT SHALL BE FIVE(5) FEET. ALL CUT AND FILL SLOPES SHALL BE 2:1 (H:V) OR FLATTER.
6. A MINIMUM STRUCTURE VOLUME BELOW THE CREST OF THE OUTLET OF 67 yds. FOR EVERY ACRE OF CONTRIBUTING DRAINAGE AREA SHALL BE ACHIEVED AT EACH LOCATION NOTED ON THE DRAWINGS WITH ADDITIONAL SEDIMENT STRUCTURE VOLUME PROVIDED BELOW THIS ELEVATION.
7. TEMPORARY SEEDING SHALL BE ESTABLISH ED AND MAINTAINED OVER THE USEFUL LIFE OF THE PRACTICE.
8. THE OUTLET FOR THE SEDIMENT TRAP STRUCTURE SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN ON THE DRAWINGS.
9. THE OUTLET SHALL BE CONSTRUCTED USING THE MATERIALS SPECIFIED ON THE DRAWINGS. WHERE GEOTEXTILE IS USED, ALL OVERLAPS SHALL BE A MINIMUM OF TWO (2) FEET OR AS SPECIFIED BY THE MANUFACTURER, WHICHEVER IS GREATER. ALL OVERLAPS SHALL BE MADE WITH THE UPPER MOST LAYER PLACED LAST. GEOTEXTILE SHALL BE KEVED IN AT LEAST 6" ON THE UPSTREAM SIDE OF THE OUTLET.
10. WARNING SIGNS AND SAFETY FENCE SHALL BE PLACED AROUND THE TRAPS AND MAINTAINED OVER THE LIFE OF THE PRACTICE.
11. AFTER ALL SEDIMENT- PRODUCING AREAS HAVE BEEN PERMANENTLY STABILIZED, THE STRUCTURE AND ALL ASSOCIATED SEDIMENT SHALL BE REMOVED. STABLE EARTH MATERIALS SHALL BE PLACED IN THE SEDIMENT TRAP AREA AND COMPACTED. THE AREA SHALL BE GRADED TO BLEND IN WITH ADJOINING LAND SURFACES AND HAVE POSITIVE DRAINAGE. THE AREA SHALL BE IMMEDIATELY SEEDDED.

DRAINAGE AREA (ACRES)	WEIR LENGTH (FEET)
1	4.0
2	6.0
3	8.0
4	10.0
5	12.0



SILT FENCE DETAIL

SCALE: NONE

1. SILT FENCE SHALL BE CONSTRUCTED BEFORE UP SLOPE LAND DISTURBANCE BEGINS.
2. ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS THAT MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
3. ENDS OF THE SILT FENCES SHALL BE BROUGHT UPSLOPE SLIGHTLY SO THAT WATER PONDED BY THE SILT FENCE WILL BE PREVENTED FROM FLOWING AROUND THE ENDS.
4. SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
5. WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FEET (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.
6. THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
7. THE SILT FENCE SHALL BE PLACED IN AN EXCAVATED OR SLICED TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE MADE WITH A TRENCHER, CABLE LAYING MACHINE, SLICING MACHINE, OR OTHER SUITABLE DEVICE THAT WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
8. THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWN SLOPE SIDE OF THE GEOTEXTILE.
A MINIMUM OF 8 INCHES OF GEOTEXTILE MUST BE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6- INCH DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED ON BOTH SIDES OF THE FABRIC.
9. SEAMS BETWEEN SECTIONS OF SILT FENCE SHALL BE SPICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM 6-IN OVERLAP PRIOR TO DRIVING INTO THE GROUND, (SEE DETAIL).
10. MAINTENANCE- SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOW UNDER THE FABRIC OR AROUND THE SILT FENCE ENDS, OR IN ANY OTHER WAY ALLOWS CONCENTRATED FLOW DISCHARGE, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: 1) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, 2) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR 3) OTHER PRACTICES SHALL BE INSTALLED.

SEDIMENT DEPOSITS SHALL BE ROUTINELY REMOVED WHEN THE DEPOSIT REACHES APPROXIMATELY ONE-HALF OF THE HEIGHT OF THE SILT FENCE.

SILT FENCES SHALL BE INSPECTED AFTER EACH RAINFALL AND AT LEAST DAILY DURING A PROLONGED RAINFALL. THE LOCATION OF EXISTING SILT FENCE SHALL BE REVIEWED DAILY TO ENSURE ITS PROPER LOCATION AND EFFECTIVENESS. IF DAMAGED, THE SILT FENCE SHALL BE REPAIRED IMMEDIATELY.

CRITERIA FOR SILT FENCE MATERIALS

1. FENCE. POST- THE LENGTH SHALL BE A MINIMUM OF 32 INCHES. WOOD POSTS WILL BE 2 x 2 IN. NOMINAL DIMENSIONED HARDWOOD OF SOUND QUALITY. THEY SHALL BE FREE OF KNOTS, SPLITS AND OTHER VISIBLE IMPERFECTIONS, THAT WILL WEAKEN THE POSTS. THE MAXIMUM SPACING BETWEEN POSTS SHALL BE 10 FT. POSTS SHALL BE DRIVEN A MINIMUM 16 INCHES INTO THE GROUND, WHERE POSSIBLE. IF NOT POSSIBLE, THE POSTS SHALL BE ADEQUATELY SECURED TO PREVENT OVERTURNING OF THE FENCE DUE TO SEDIMENT/WATER LOADING.

SILT FENCE FABRIC PROPERTIES	VALUES	TEST METHODS
MINIMUM TENSILE STRENGTH	120 LBS (535 N)	ASTM D 4632
MAXIMUM ELONGATION AT 60 LBS	50%	ASTM D 4632
MINIMUM PUNCTURE STRENGTH	50 LBS. (220 N)	ASTM D 4833
MINIMUM TEAR STRENGTH	40 LBS. (180 N)	ASTM D 4533
APPARENT OPENING SIZE	< = 0.84 MM	ASTM D 4751
MINIMUM PERMITTIVITY	1x10-2 SEC.-1	ASTM D 4491
UV EXPOSURE STRENGTH RETENTION	70%	ASTM D 4355



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301

Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

[illegible]

PROJECT NO:	Q-208
DWG FILE:	01-10_Q-000
DRAWN BY:	ADW
DATE:	06/06/2025
DESIGNED BY:	MSL
CHECKED BY:	RCS
APPROVED BY:	RCS

SHEET TITLE

SWPPP DETAILS
3 OF 3

C-13

SHEET 36 OF 147

 CVNP TREE TO BE REMOVED (22)

 VILLAGE TREE TO BE REMOVED (27)

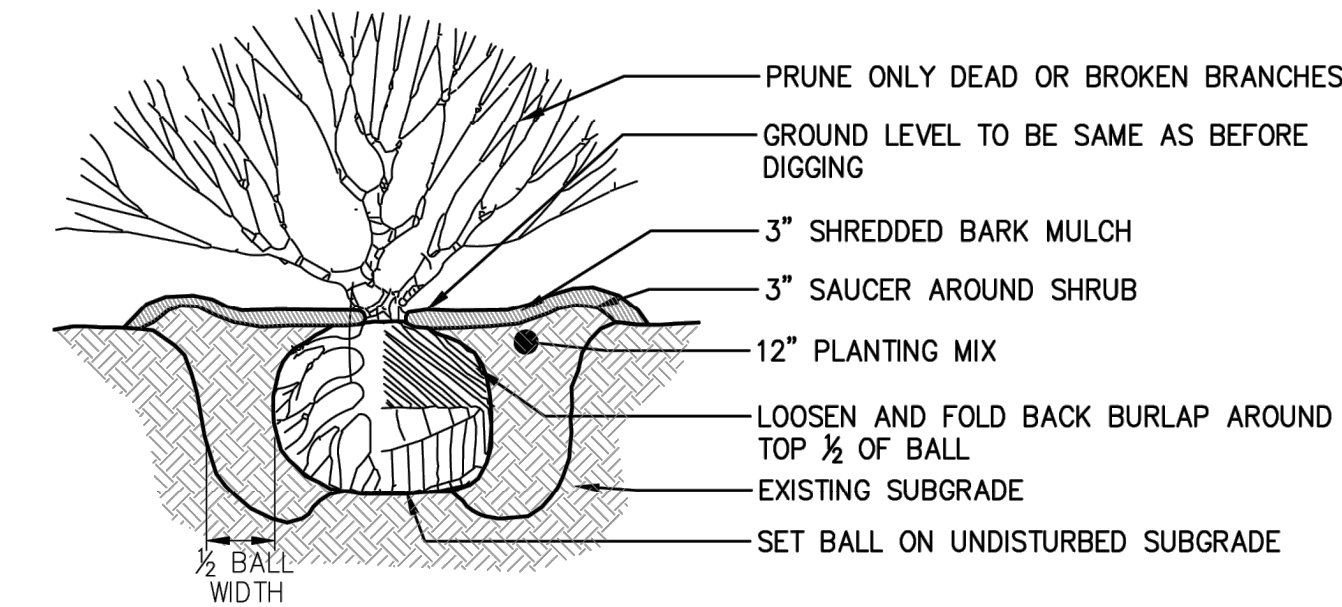
FOR

VILLAGE OF PENINSULA
COUNTY OF SUMMIT - STATE OF OHIO
FEBRUARY 12, 2025



Field ID	DBH (inches)	Tree Species (Scientific)	Common Name	Condition	Notes
1	25.75	<i>Platanus occidentalis</i>	American Sycamore	good	Presence of <i>Toxicodendron radicans</i> on tree.
2	3.5	<i>Ulmus americana</i>	American elm	good	
3	17.75	<i>Populus deltoides</i>	Eastern cottonwood	good	Presence of <i>Toxicodendron radicans</i> on tree.
4	20.75	<i>Populus deltoides</i>	Eastern cottonwood	good	
5	5.75	<i>Ulmus americana</i>	American elm	fair	
6	4.5	<i>Ulmus americana</i>	American elm	fair	
7	4	<i>Ulmus americana</i>	American elm	fair	
8	21	<i>Platanus occidentalis</i>	Sycamore	good	
9	7.5	N/A	Standing dead	dead	No bark; evidence of insect activity
10	5	<i>Fraxinus pennsylvanica</i>	Green ash	dead	Sloughing bark.
11	3	<i>Fraxinus pennsylvanica</i>	Green ash	dead	Sloughing bark.
12	3.25	<i>Fraxinus pennsylvanica</i>	Green ash	dead	Sloughing bark; evidence of insect activity.
13	4.75	<i>Fraxinus pennsylvanica</i>	Green ash	fair	Evidence of insect activity.
14	6	<i>Fraxinus pennsylvanica</i>	Green ash	fair	Evidence of insect activity.
15	3	<i>Fraxinus pennsylvanica</i>	Green ash	fair	Evidence of insect activity.
16	3.5	<i>Fraxinus pennsylvanica</i>	Green ash	fair	Sloughing bark; evidence of insect activity.
17	9	<i>Acer negundo</i>	Boxelder	poor	Bark peeled off on branches due to squirrel activity; evidence of insect activity.
18	16.75	<i>Ulmus americana</i>	American elm	poor	Leader broken; sloughing bark near top; evidence of insect/bird activity.
19	4	<i>Fraxinus pennsylvanica</i>	Green ash	fair	Presence of <i>Toxicodendron radicans</i> on tree
20	3	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
21	5.5	<i>Fraxinus pennsylvanica</i>	Green ash	dead	Sloughing bark; evidence of insect activity.
22	22.25	<i>Platanus occidentalis</i>	American Sycamore	good	
23	4.25	<i>Ulmus americana</i>	American elm	fair	
24	3.5	<i>Ulmus americana</i>	American elm	fair	
25	3.25	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
26	3	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
27	3	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
28	3	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
29	4.25	<i>Fraxinus pennsylvanica</i>	Green ash	poor	Sloughing bark; evidence of insect activity.
30	3	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
31	4.5/9.25	<i>Fraxinus pennsylvanica</i>	Green ash	fair	Large bough broken ~5' from ground; sloughing bark; evidence of insect activity.
32	3	<i>Fraxinus pennsylvanica</i>	green ash	fair	Splitting bark; evidence of insect activity.
33	5	<i>Ulmus americana</i>	American elm	poor	Sloughing bark; evidence of insect activity.
34	4.75	<i>Acer negundo</i>	Boxelder	fair	
35	6.5	<i>Ulmus americana</i>	American elm	good	
36	4.75	<i>Fraxinus pennsylvanica</i>	Green ash	fair	Evidence of insect activity.
37	4.75	<i>Fraxinus pennsylvanica</i>	Green ash	fair	Splitting bark.
38	3.5	<i>Fraxinus pennsylvanica</i>	Green ash	fair	Splitting bark.
39	6.75	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
40	3	<i>Fraxinus pennsylvanica</i>	Green ash	fair	Splitting bark.
41	4	<i>Fraxinus pennsylvanica</i>	Green ash	fair	Splitting bark.
42	4	<i>Fraxinus pennsylvanica</i>	Green ash	fair	Splitting bark.
43	3.25	<i>Acer negundo</i>	Amur maple	fair	Splitting bark; evidence of insect activity.
44	3	<i>Fraxinus pennsylvanica</i>	Green ash	fair	Splitting bark; evidence of insect activity.
45	3	<i>Fraxinus pennsylvanica</i>	Green ash	poor	Splitting/sloughing bark; evidence of insect activity
46	21.5	<i>Acer negundo</i>	Boxelder	fair/ poor	Splits into two boughs ~4.5' from ground.
47	3.75	<i>Ulmus americana</i>	American elm	dead	Sloughed bark; evidence of insect activity.
48	3.75	<i>Fraxinus pennsylvanica</i>	Green ash	fair	Splitting bark; evidence of insect activity.
49	4.25	<i>Fraxinus pennsylvanica</i>	Green ash	fair	Splitting bark.
50	4.25	<i>Fraxinus pennsylvanica</i>	Green ash	poor	splitting/sloughing bark.
51	3.25	<i>Fraxinus pennsylvanica</i>	Green ash	fair	Splitting bark.
52	3	<i>Fraxinus pennsylvanica</i>	Green ash	fair	Splitting bark.
53	11.5	<i>Fraxinus pennsylvanica</i>	Green ash	dead	Sloughing bark; no limbs.
54	4	<i>Ulmus americana</i>	American elm	good	
55	7.5	<i>Ulmus americana</i>	American elm	good	
56	6	<i>Ulmus americana</i>	American elm	good	
57	3	<i>Ulmus americana</i>	American elm	good	
58	5.75	<i>Ulmus americana</i>	American elm	good	
59	28	<i>Populus deltoides</i>	Eastern cottonwood	good	Presence of <i>Toxicodendron radicans</i> on tree.
60	5.75/5.8/7.5	<i>Ulmus americana</i>	American elm	good	Three boughs split approx. 8-10' from ground.
61	4	<i>Acer negundo</i>	Boxelder	fair	Splitting bark.

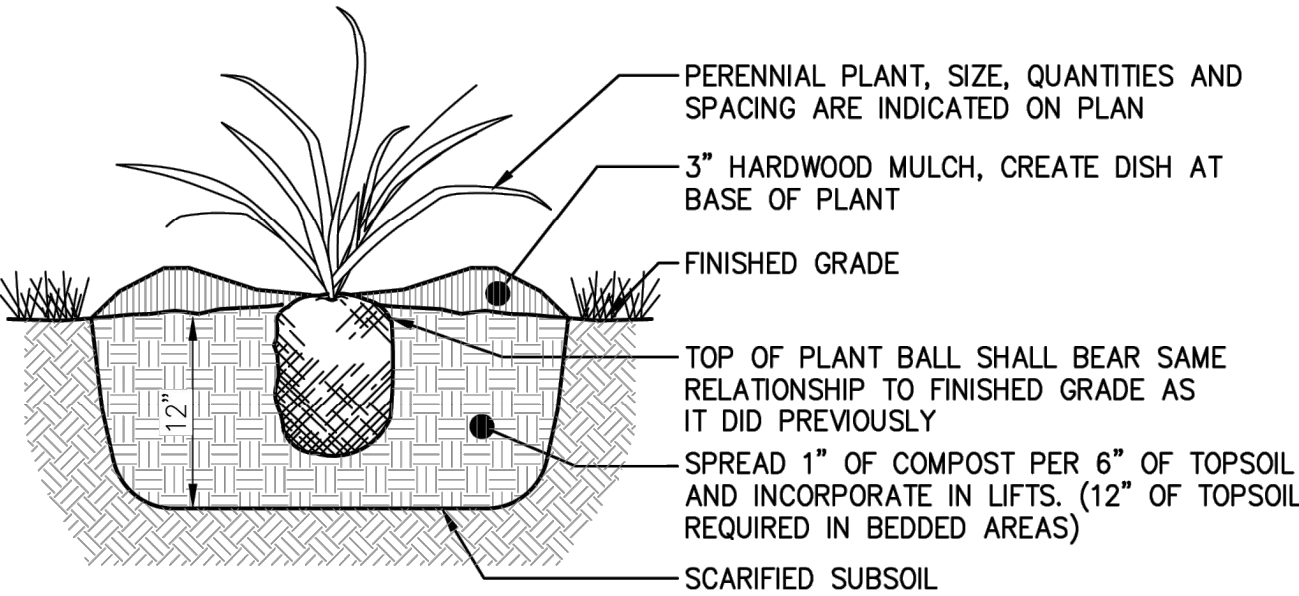
Field ID	DBH (inches)	Tree Species (Scientific)	Common Name	Condition	Notes
62	4.5	<i>Fraxinus pennsylvanica</i>	Green ash	dead	Sloughing bark; evidence of insect activity.
63	17.75	<i>Ulmus americana</i>	American elm	good	
64	4	<i>Ulmus americana</i>	American elm	fair	
65	5.75	<i>Aesculus glabra</i>	Ohio Buckeye	fair	Sloughing bark.
66	3.5	<i>Tilia americana</i>	American basswood	fair	
67	6.5	<i>Tilia americana</i>	American basswood	fair	Presence of <i>Toxicodendron radicans</i> on tree.
68	5.25	<i>Aesculus glabra</i>	Ohio Buckeye	fair	
69	8	<i>Populus deltoides</i>	Eastern cottonwood	fair	
70	28.5	<i>Platanus occidentalis</i>	American Sycamore	good	
71	3	<i>Fraxinus pennsylvanica</i>	Green ash	fair	Splitting bark.
72	7	<i>Tilia americana</i>	American basswood	fair	Splitting bark; burls.
73	13.75	<i>Tilia americana</i>	American basswood	fair	Splitting bark; burls.
74	3.5	<i>Acer platanoides</i>	Norway Maple	good	
75	19.25	<i>Platanus occidentalis</i>	American Sycamore	good	
76	13.25	<i>Populus deltoides</i>	Eastern cottonwood	good	
77	4	<i>Ulmus americana</i>	American elm	fair	
78	13.75	<i>Ulmus americana</i>	American elm	good	
79	8.5	<i>Aesculus glabra</i>	Ohio buckeye	fair	
80	5.75	<i>Tilia americana</i>	American basswood	fair	
81	6	<i>Tilia americana</i>	American basswood	fair	
82	4.25	<i>Tilia americana</i>	American basswood	dead	Top half of tree is missing; evidence of insect activity.
83	16.25	<i>Tilia americana</i>	American basswood	good	
84	23.75	<i>Aesculus glabra</i>	Ohio buckeye	good	Presence of <i>Toxicodendron radicans</i> on tree.
85	8.5	<i>Fraxinus pennsylvanica</i>	Green ash	poor	Sloughed bark; evidence of insect activity.
86	8.75	<i>Fraxinus pennsylvanica</i>	Green ash	fair	Splitting bark.
87	12	<i>Tilia americana</i>	American basswood	fair	
88	7.25	<i>Tilia americana</i>	American basswood	fair	
89	8	<i>Tilia americana</i>	American basswood	fair	
90	5.25	<i>Fraxinus pennsylvanica</i>	Green ash	dead	Sloughing bark; evidence of insect activity.
91	7	<i>Fraxinus pennsylvanica</i>	Green ash	dead	Sloughing bark, evidence of insect activity.
92	12.5	<i>Aesculus glabra</i>	Ohio buckeye	good	
93	5.25	<i>Tilia americana</i>	American basswood	good	
94	3.5	<i>Fraxinus pennsylvanica</i>	Green ash	good	
95	9.5	<i>Populus deltoides</i>	Eastern cottonwood	good	
96	10	<i>Populus deltoides</i>	Eastern cottonwood	good	
97	10	<i>Populus deltoides</i>	Eastern cottonwood	good	
98	5.75	<i>Fraxinus pennsylvanica</i>	Green ash	poor	Splitting bark; evidence of insect activity.
99	3.5	<i>Acer negundo</i>	Boxelder	fair	
100	4.25	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
101	5.5	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
102	5.5	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
103	4.5	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
104	3	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
105	4	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
106	3.5	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
107	3	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
108	3.25	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
109	3.25	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
110	3	<i>Fraxinus pennsylvanica</i>	Green ash	fair	Splitting bark.
111	3.5	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
112	4.5	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
113	4.5	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
114	3.25	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
115	3	<i>Acer negundo</i>	Boxelder	poor	Bark on branches peeled off due to squirrel activity.
116	3	<i>Fraxinus pennsylvanica</i>	Green ash	fair	Splitting bark.
117	3.25	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
118	3.5	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
119	7	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
120	3.25	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
121	3.25	<i>Fraxinus pennsylvanica</i>	Green ash	fair	
122	33.75	<i>Platanus occidentalis</i>	American Sycamore	good	
123	12				B&N located on site visit not included with EDG tree survey
124	12				B&N located on site visit not included with EDG tree survey
125	12				B&N located on site visit not included with EDG tree survey



- NOTES:
1. PLANTING MIX TO CONSIST OF 1" COMPOST PER 6" OF TOPSOIL.
 2. COMPOST SHALL CONSIST OF STERILIZED, COMPOSTED MATERIAL (SWEET PEAT OR OTHER APPROVED EQUAL). CONTRACTOR SHALL SUBMIT SAMPLE TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION OF PLANTS.
 3. MULCH TO FORM CONTINUOUS SHRUB BEDS.

1 SHRUB PLANTING

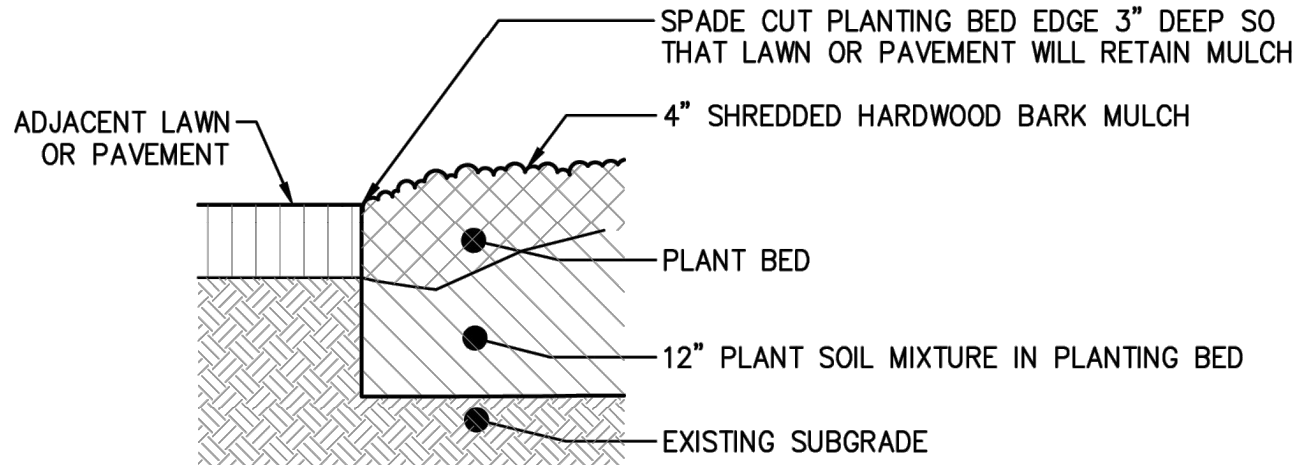
L2.00 NOT TO SCALE



NOTE:
COMPOST SHALL CONSIST OF STERILIZED, COMPOSTED MATERIAL (SWEET PEAT OR OTHER APPROVED EQUAL). CONTRACTOR SHALL SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION OF PLANTS.

2 PERENNIAL PLANTING

L2.00 NOT TO SCALE



3 PLANTING BED SPADE CUT EDGING

L2.00 NOT TO SCALE



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO:	Q-208
DWG FILE:	
DRAWN BY:	EJO
DATE:	10/02/24
DESIGNED BY:	EJO/NTB
CHECKED BY:	NTB/JPC
APPROVED BY:	XXX

SHEET TITLE

LANDSCAPE PLAN

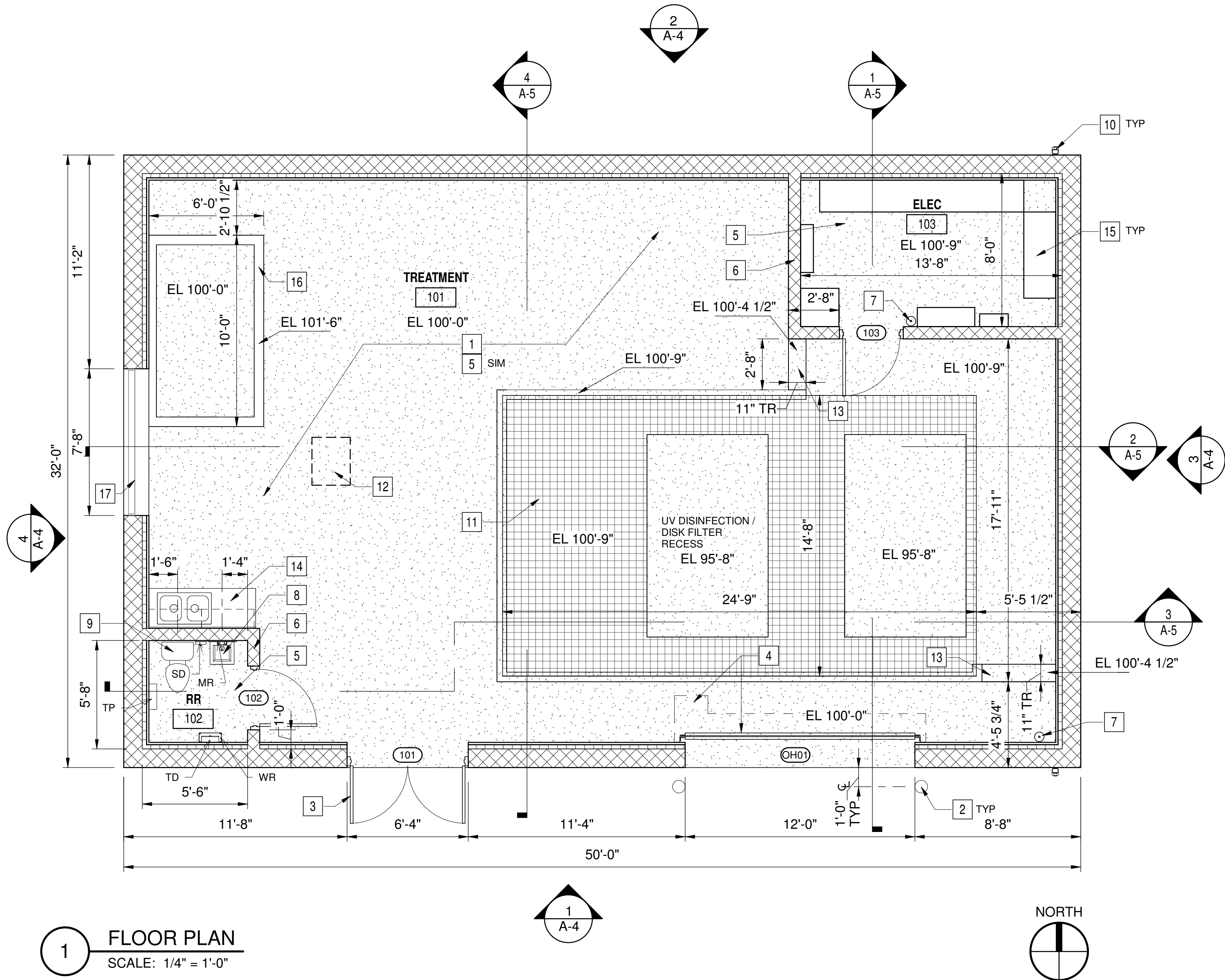
L2.00

SHEET 40 OF 147

ROOM FINISH SCHEDULE						
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	REMARKS
101	TREATMENT	SC	MTL / PNT CMU	MTL / PNT CMU	PVC	
102	RR	SC	MTL / PNT CMU	MTL / PNT CMU	PVC	
103	ELEC	SC	MTL / PNT CMU	MTL / PNT CMU	PVC	

FINISH LEGEND
SC SEALED CONCRETE
MTL METAL LINER PANEL
CMU CONCRETE MASONRY UNIT
PNT PAINT
PVC PVC CEILING PANEL

GENERAL FINISH NOTES:
1. ALL EXPOSED STEEL (DOORS, FRAMES, JAMBS, MISC SHAPES) SHALL BE PAINTED



CODE COMPLIANCE

PROJECT LOCATION
AKRON PENINSULA RD, VILLAGE OF PENINSULA, OHIO 44264

APPLICABLE CODES
OHIO BUILDING CODE (OBC) 2024
OHIO FIRE CODE (OFC) 2024
OHIO MECHANICAL CODE (OMC) 2024
OHIO PLUMBING CODE (OPC) 2024
ENERGY CODE: ASHRAE 90.1-2019
ACCESSIBILITY: NOT REQUIRED PER ADAAG 2010 SECTION 203.

PROJECT DESCRIPTION
NEW SINGLE STORY 1,600 SF WASTE WATER TREATMENT BUILDING.

LIFE SAFETY
USE AND OCCUPANCY: F-1 MODERATE HAZARD FACTORY
CONSTRUCTION TYPE: IIB NON-COMBUSTIBLE, UN-PROTECTED
SPRINKLER PROTECTED: NON-SUPPRESSED

BUILDING HEIGHT & AREA:
ALLOWABLE HEIGHT: 55'
PROPOSED HEIGHT: 22' (AVE ROOF HEIGHT)

STORIES ABOVE GRADE:
ALLOWABLE STORIES: 2
PROPOSED STORIES: 1

BUILDING AREA:
ALLOWABLE AREA: 15,500 GSF
PROPOSED AREA: 1,600 GSF

OCCUPANT LOAD & MEANS OF EGRESS
OCCUPANTS: 1,600 SF / 300 (MECH EQUIPMENT ROOM) = 6 OCCUPANTS

MEANS OF EGRESS REQUIRED: 1 PER TABLE 1006.2.1 (F-1 OCCUPANCY,
LESS THAN 49 OCCUPANTS AND LESS THAN 75' TRAVEL DISTANCE TO EXIT
PROPOSED MAXIMUM TRAVEL DISTANCE: 62'

HIGH HAZARD MATERIALS (SECTION 307)
CORROSIVE MATERIALS ARE USED WITHIN THE BUILDING. LIQUID GALLONS
(USE-CLOSED SYSTEM) SHALL BE LIMITED TO 500 GALLONS PER TABLE 307.1(2).

BUILDING ENVELOPE (PRESCRIPTIVE PATH):
ASHRAE 90.1-2019 (CLIMATE ZONE 5, TABLE 5.5-5) NONRESIDENTIAL
ROOF (ENTIRELY ABOVE DECK): R-30 c.i. MIN
ABOVE GRADE WALLS (MASS): R-11.4 c.i. MIN
FLUSH ENTRANCE DOORS (SWINGING): U-0.370 MAX
EXTERIOR DOORS (NON-SWINGING): U-0.310 MAX
SLAB ON GRADE (UNHEATED): R-15 FOR 24"

GENERAL SHEET NOTES

- A. COORDINATE AND REFER TO ALL DRAWINGS INCLUDING CIVIL, STRUCTURAL, PROCESS, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL WORK ITEMS NOT INDICATED IN ARCHITECTURAL DRAWINGS.
- B. 100'-0" EL ON ARCHITECTURAL DRAWINGS EQUALS 697.25 SHOWN ON CIVIL.

NEW WORK NOTES

- CONCRETE SLAB. REFER TO STRUCTURAL DWGS
- STEEL BOLLARDS WITH CAP. REFER TO CIVIL FOR DETAILS.
- HOLLOW METAL DOOR & FRAME ASSEMBLY. PNT, TYP
- COILING OVERHEAD DOOR ASSEMBLY
- PVC CEILING PANEL SYSTEM ON MTL JOIST CEILING FRAMING ABOVE.
- 8" CMU PARTITION. REFER TO STRUCT DWGS. PNT, TYP
- FIRE EXTINGUISHER WITH WALL BRACKET.
- WALL MOUNTED LAVATORY. REFER TO PLUMBING DWGS
- WATER CLOSET. REFER TO PLUMBING DWGS
- PREFIN MTL DOWNSPOUT, TYP
- FLOOR GRATING. REFER TO STRUCT DWGS
- 24"x30" ATTIC ACCESS PANEL (ABOVE). COORD LOCATION WITH LIGHTING AND ROOF TRUSS SPACING
- CONCRETE STEP. REFER TO STRUCT DWGS
- LABORATORY CASEWORK AND EQUIPMENT
- ELEC / MECH EQUIPMENT. REFER TO ELEC / MECH DWGS
- CONC CONTAINMENT CURB FOR CHEMICAL FEED TANK. REFER TO PROCESS AND STRUCT DWGS
- PREFIN LOUVER. REFER TO MECH DWGS

TOILET ACCESSORIES LEGEND

TD TOWEL DISPENSER
MR MIRROR
SD SOAP DISPENSER
TP TOILET TISSUE DISPENSER
WR WASTE RECEPTACLE

NOTE: MOUNT ACCESSORIES PER MANUFACTURERS
RECOMMENDED MOUNTING HEIGHTS, TYP



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO:	Q-208
DWG FILE:	N/A
DRAWN BY:	DAW
DATE:	08/01/25
DESIGNED BY:	DAW
CHECKED BY:	CRK
APPROVED BY:	RCS

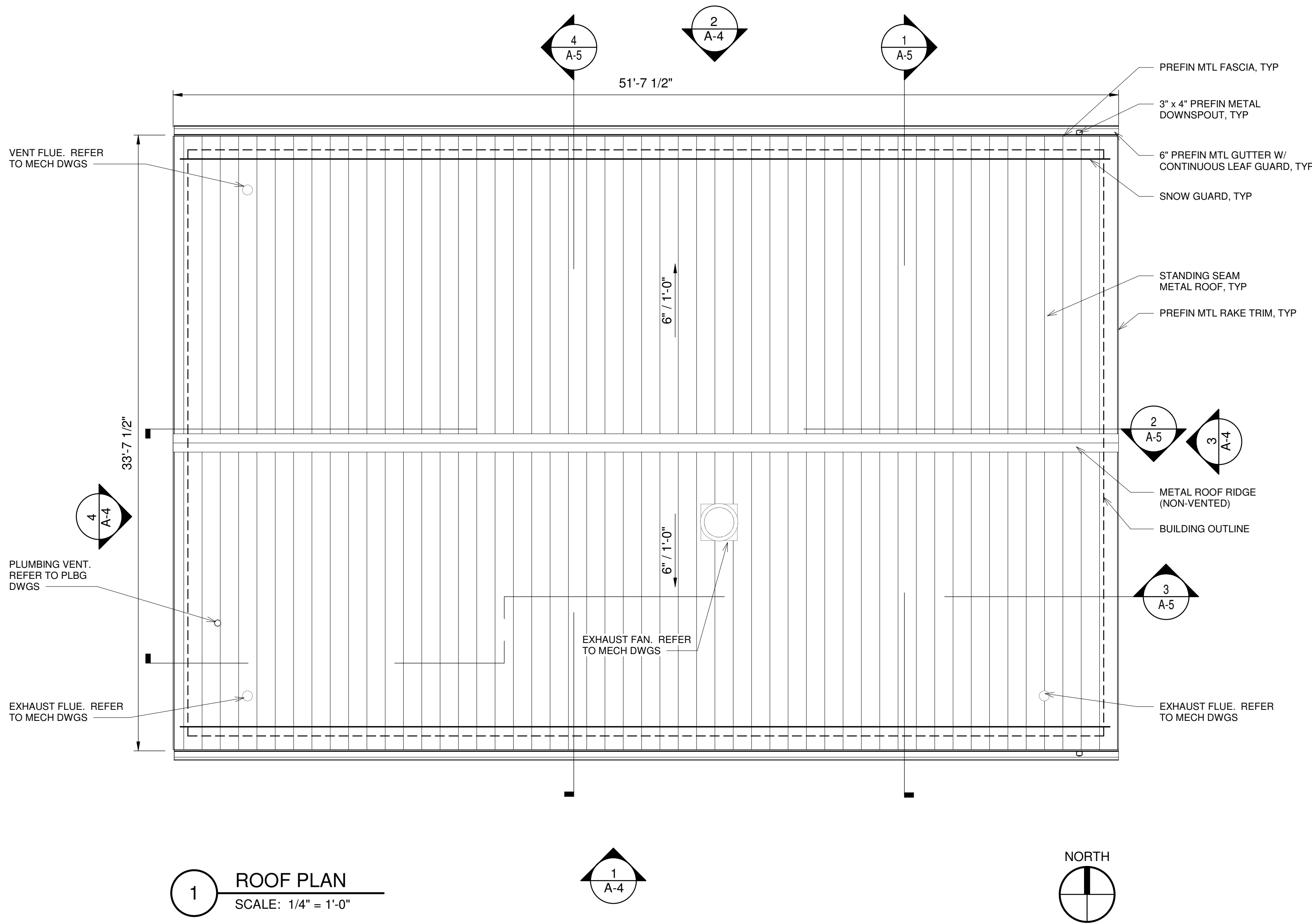
SHEET TITLE

FLOOR PLAN,
CODE NOTES &
FINISH
SCHEDULE

A-2

SHEET 42 OF 147

100% SUBMITTAL



1 ROOF PLAN
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

- A. ALL ROOF PENETRATIONS/TERMINATIONS, WHETHER SHOWN OR NOT, SHALL BE FLASHED & SEALED AS REQUIRED BY THE ROOF MANUFACTURER.
B. SEE MECHANICAL, PLUMBING, & ELECTRICAL DRAWINGS FOR LOCATIONS OF ALL ROOF-MOUNTED EQUIPMENT & ACCESSORIES.



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO:	Q-208
DWG FILE:	N/A
DRAWN BY:	DAW
DATE:	08/01/25
DESIGNED BY:	DAW
CHECKED BY:	CRK
APPROVED BY:	RCS

SHEET TITLE

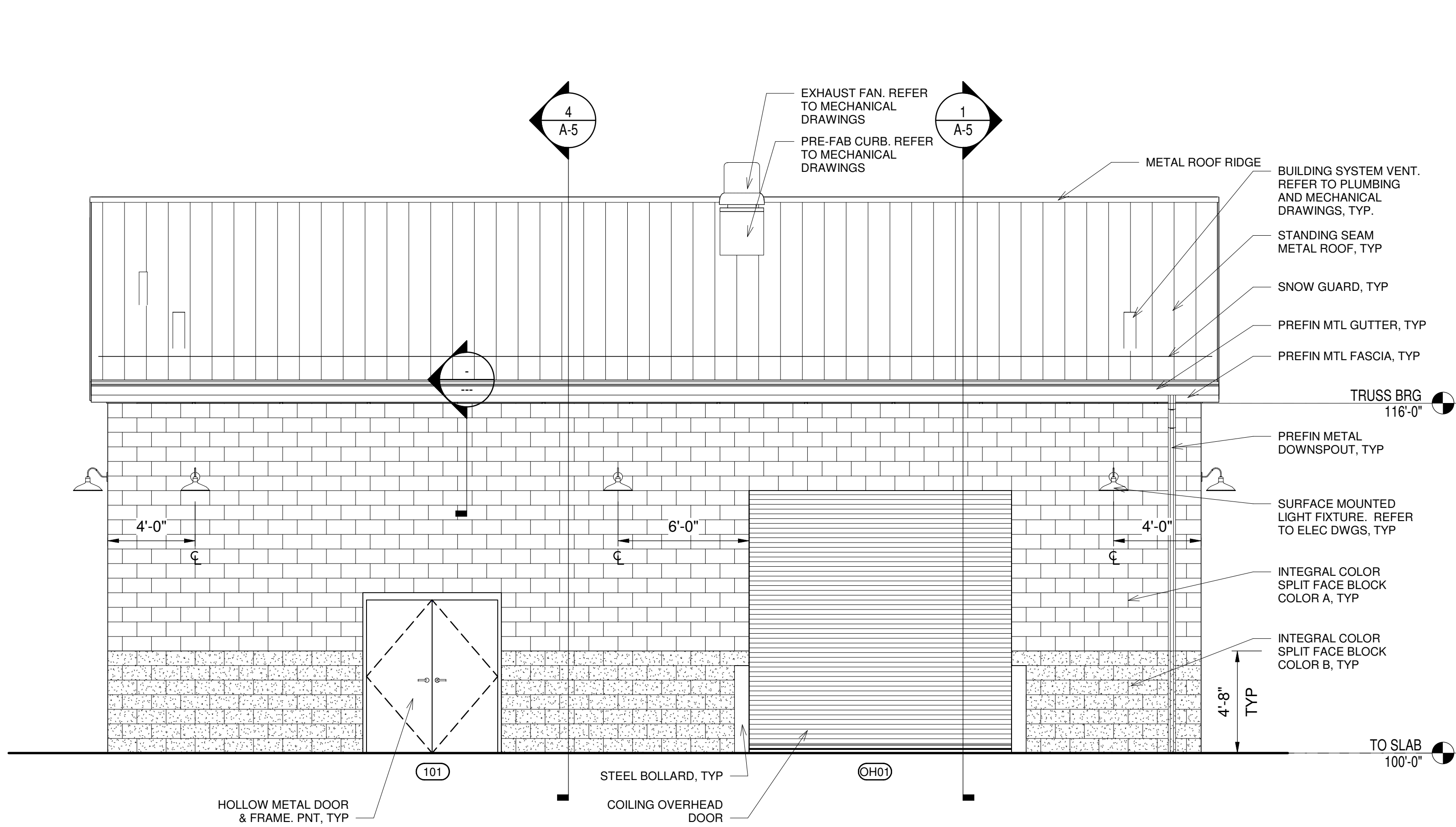
ROOF PLAN

A-3

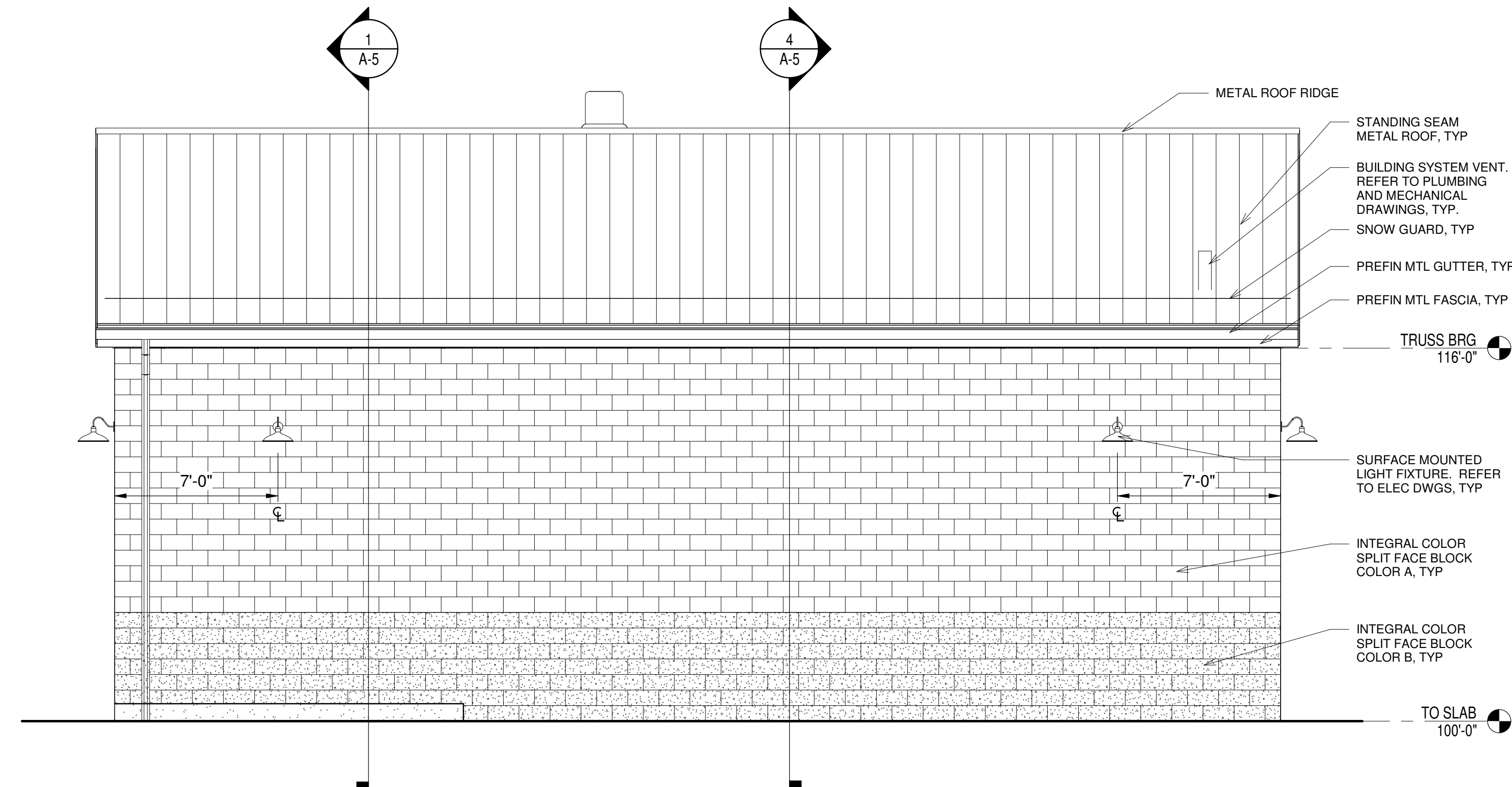
SHEET 43 OF 147

100% SUBMITTAL

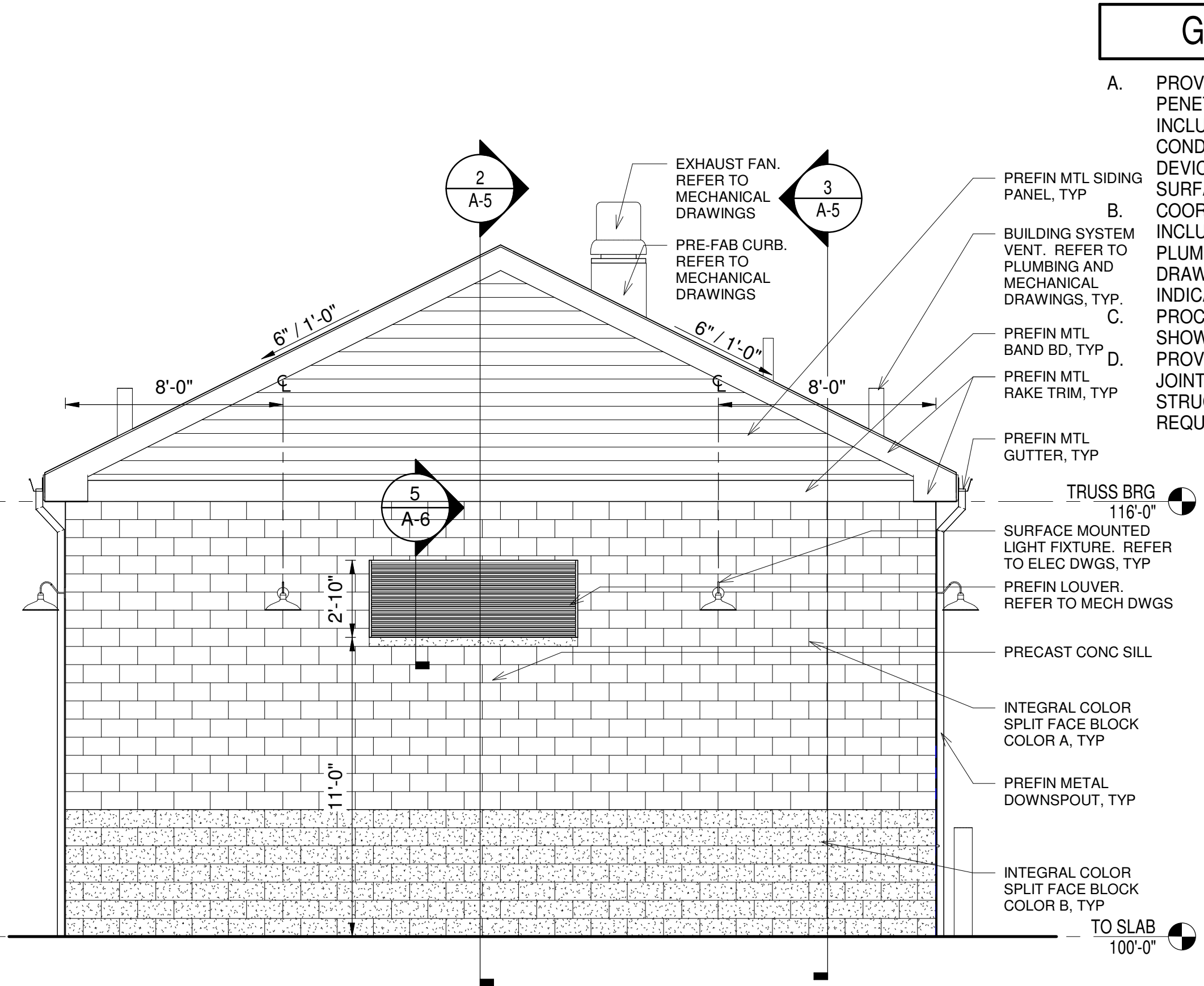
8/1/2025 11:43:53 AM
C:\Users\lewis\Documents\Revit2024 Local\Peninsula WWTP_Arch_R24_ellias.lewis.rvt



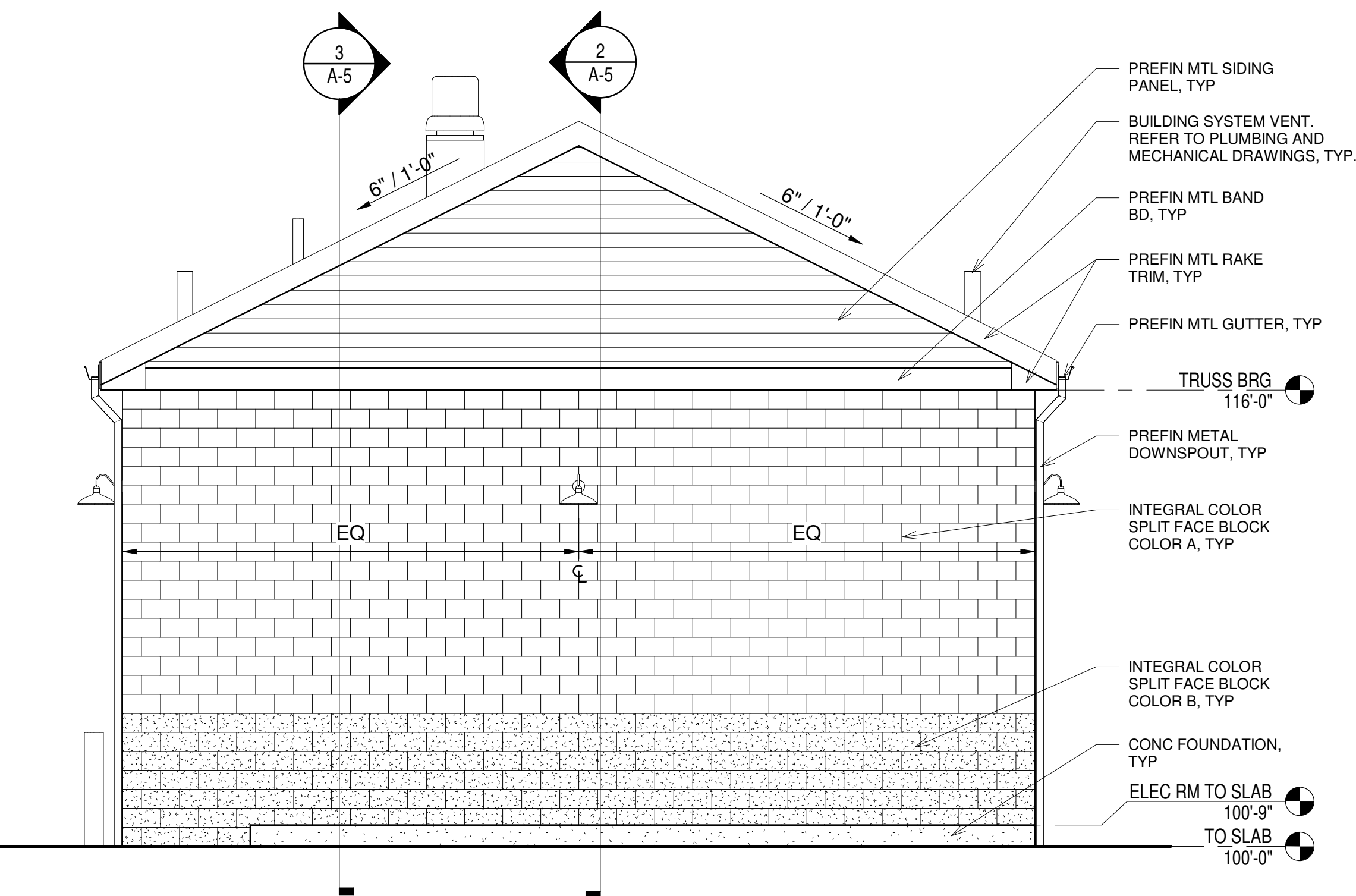
1 SOUTH ELEVATION
1/4" = 1'-0"



2 NORTH ELEVATION
1/4" = 1'-0"



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



3 EAST ELEVATION
1/4" = 1'-0"

GENERAL SHEET NOTES

- A. PROVIDE SEALANT JOINTS FOR ALL WALL PENETRATIONS, BOTH HORIZONTAL AND VERTICAL; INCLUDING BUT NOT LIMITED TO ELECTRICAL CONDUITS/BOXES, GAS PIPING, ELECTRICAL DEVICES, ETC. COLOR TO MATCH ADJACENT SURFACE.
- B. COORDINATE AND REFER TO ALL DRAWINGS INCLUDING CIVIL, STRUCTURAL, PROCESS, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL WORK ITEMS NOT INDICATED IN ARCHITECTURAL DRAWINGS.
- C. PROCESS PIPING AND APPURTENANCES NOT SHOWN. REFER TO PLUMBING DRAWINGS
- D. PROVIDE SEALANT AT ALL MASONRY CONTROL JOINTS. COLOR SHALL MATCH MASONRY. REFER TO STRUCTURAL DWGS FOR JOINT LAYOUT REQUIREMENTS.



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO:	Q-208
DWG FILE:	N/A
DRAWN BY:	DAW
DATE:	08/01/25
DESIGNED BY:	DAW
CHECKED BY:	CRK
APPROVED BY:	RCS

SHEET TITLE

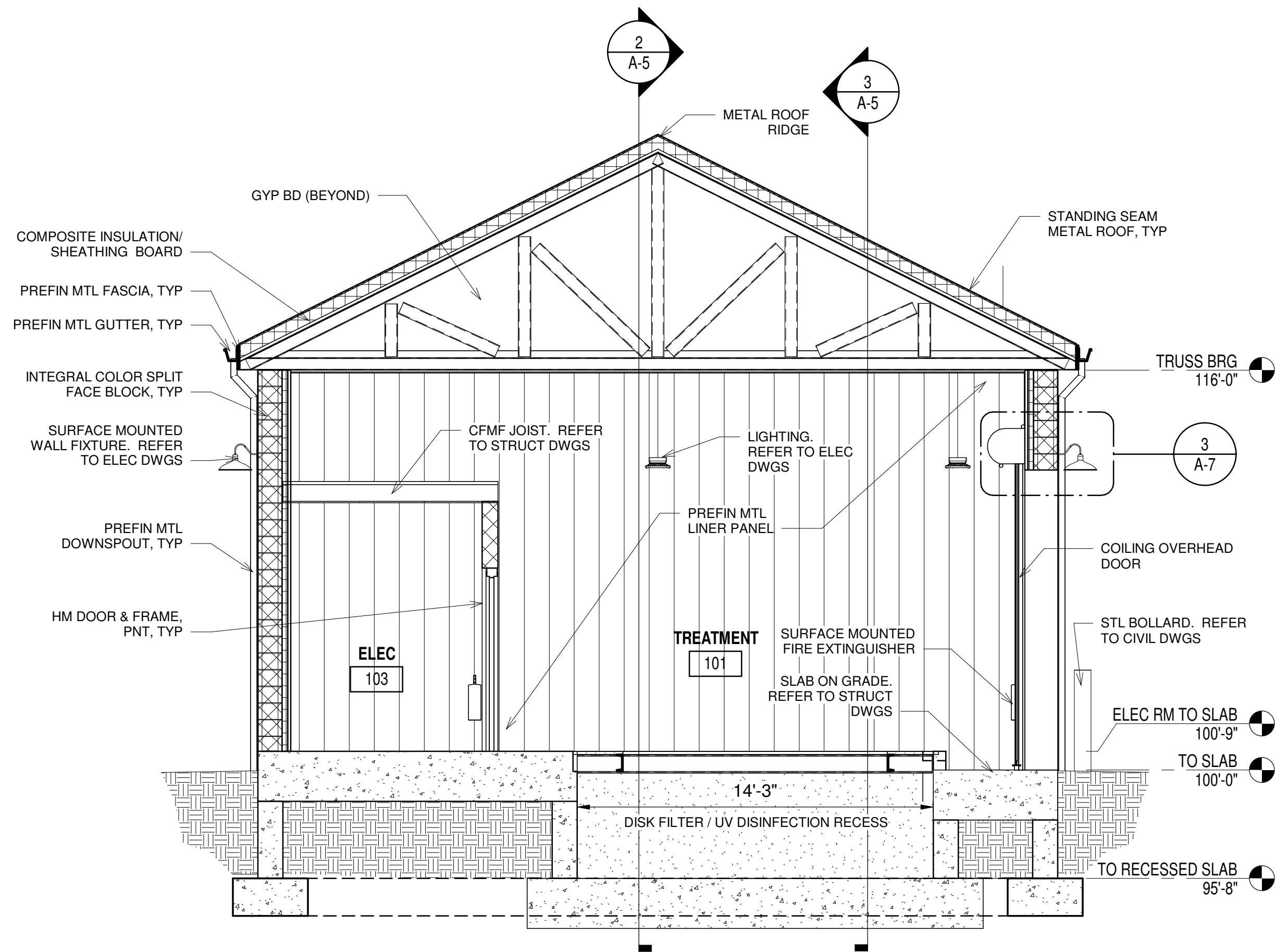
EXTERIOR
ELEVATIONS

A-4

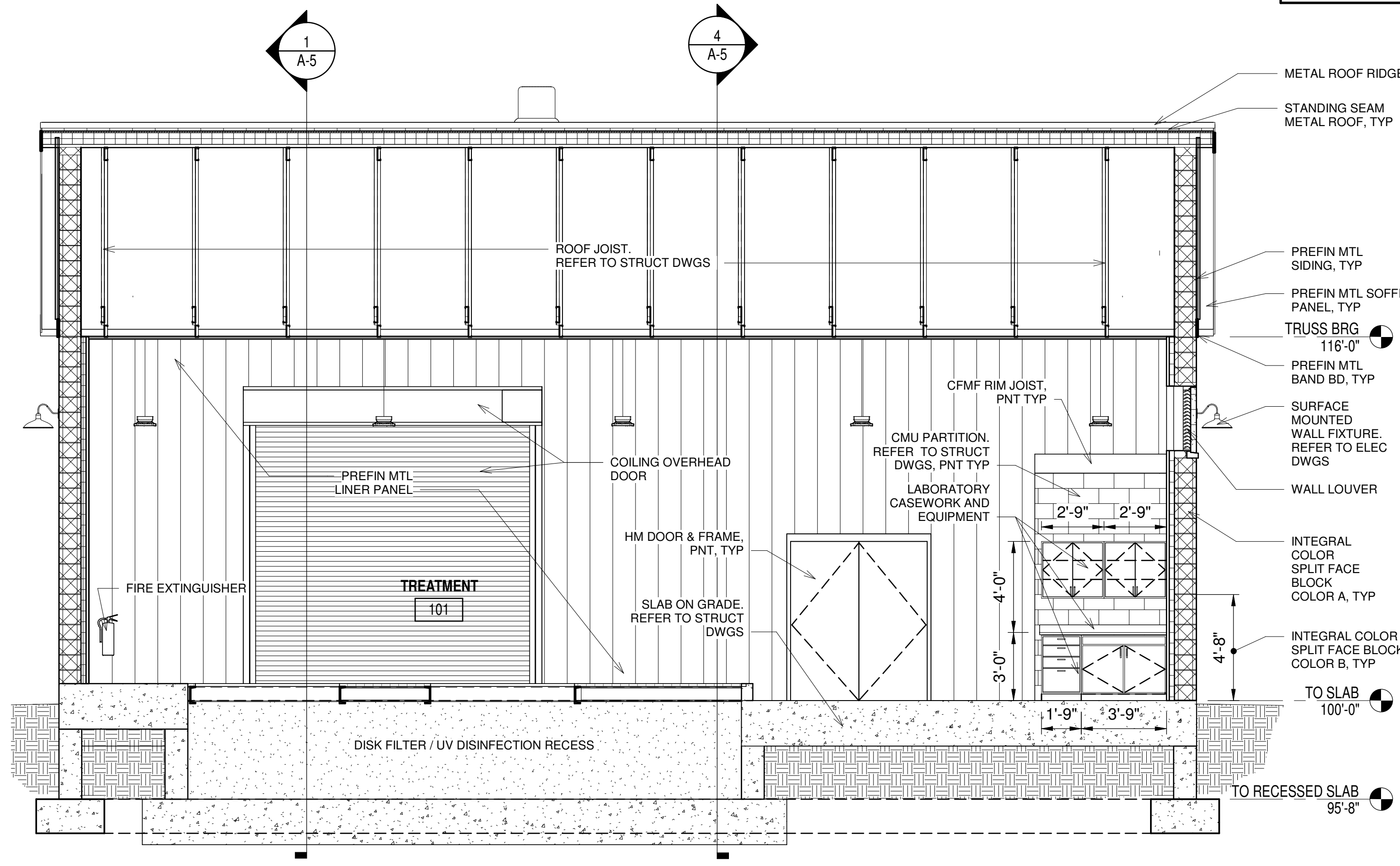
SHEET 44 OF 147

100% SUBMITTAL

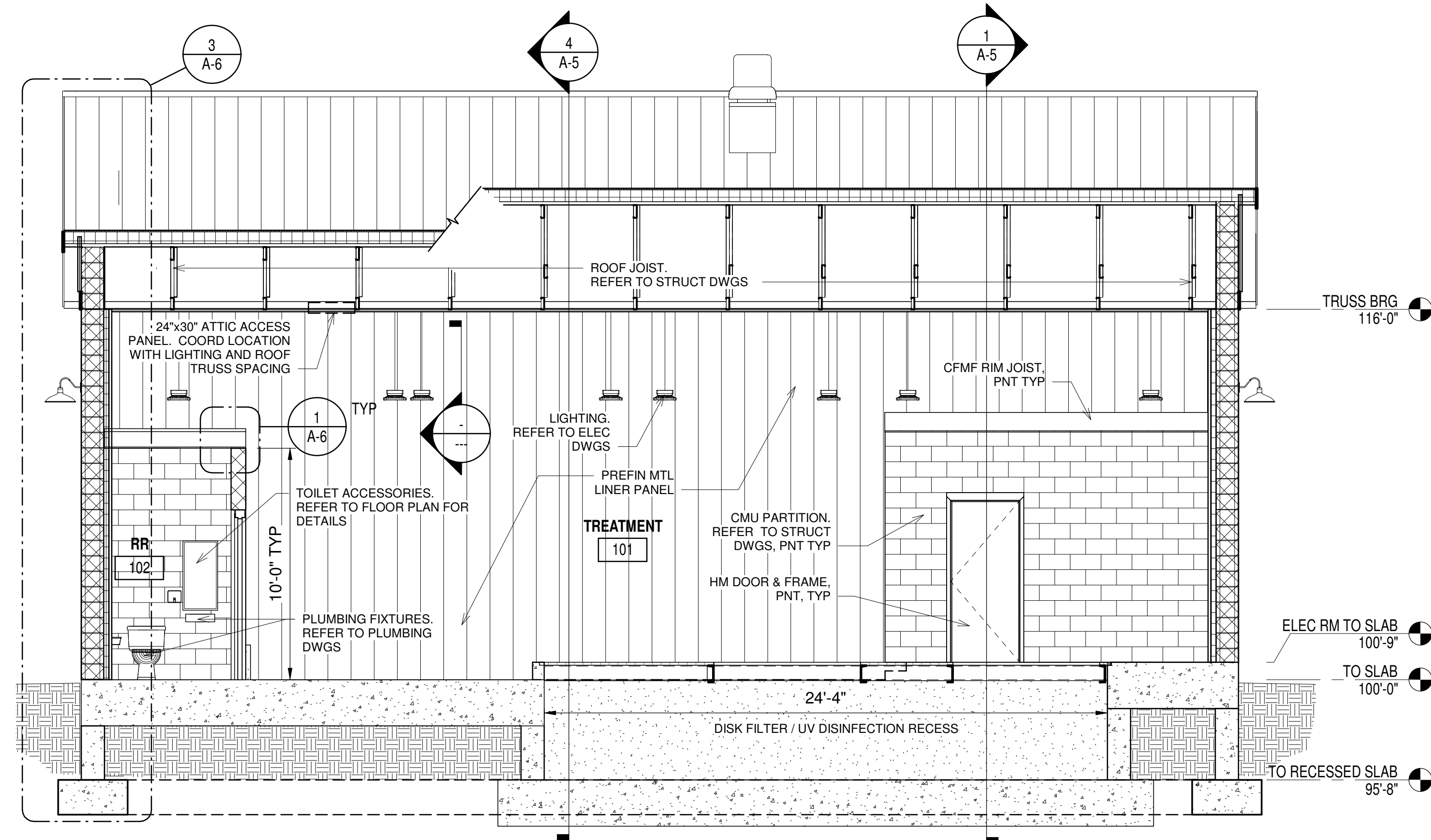
8/1/2025 11:43:56 AM
C:\Users\elwis\Documents\Revit2024 Local\Peninsula WWTP_Arch_R24_elwis.rvt



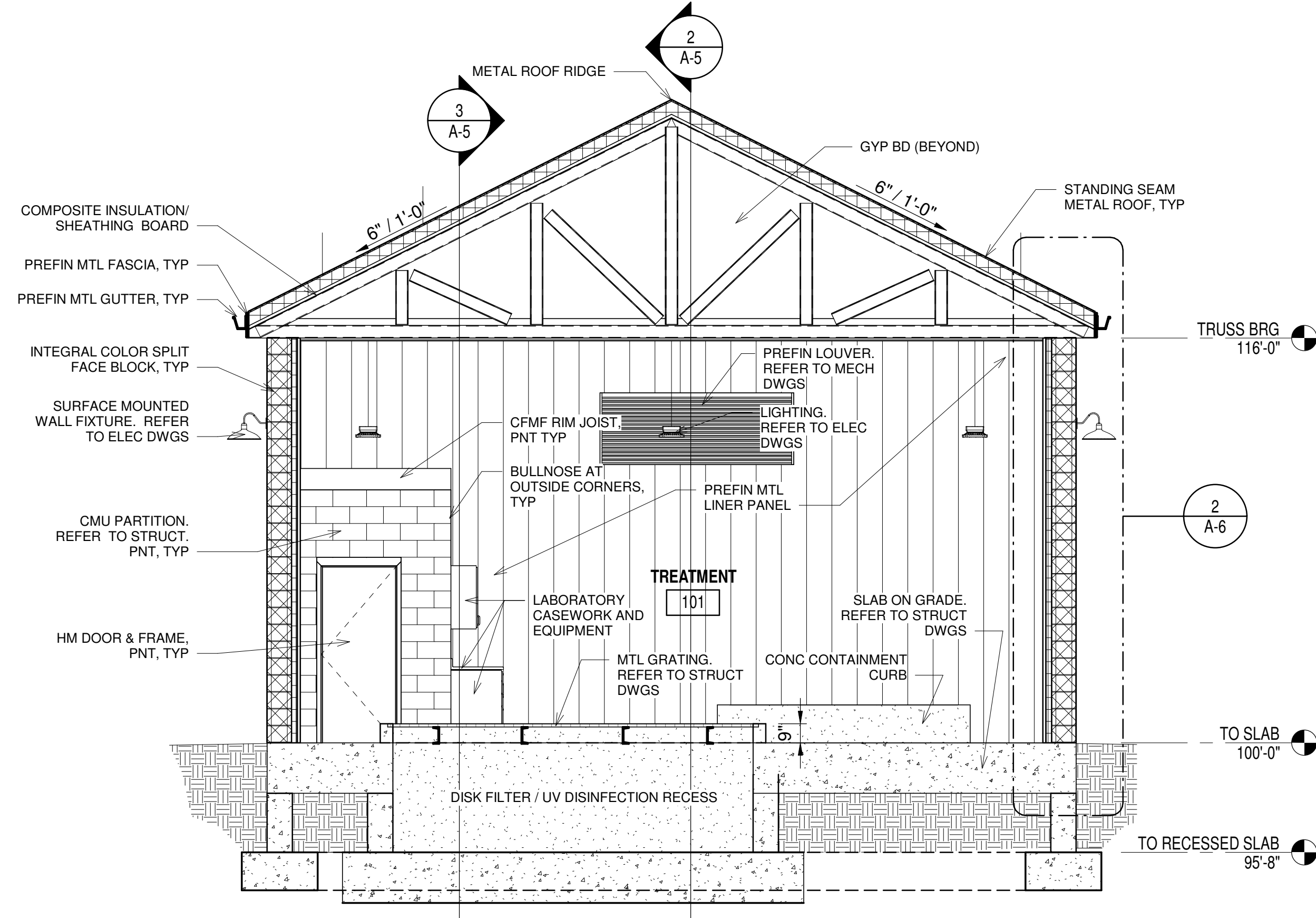
1
A-5
BUILDING SECTION - FACING EAST
1/4" = 1'-0"



2
A-5
BUILDING SECTION - FACING SOUTH
1/4" = 1'-0"



3
A-5
BUILDING SECTION - FACING NORTH
1/4" = 1'-0"



4
A-5
BUILDING SECTION - FACING WEST
1/4" = 1'-0"

GENERAL SHEET NOTES

- PROVIDE SEALANT JOINTS FOR ALL WALL PENETRATIONS, BOTH HORIZONTAL AND VERTICAL, INCLUDING BUT NOT LIMITED TO ELECTRICAL CONDUITS/BOXES, GAS PIPING, ELECTRICAL DEVICES, ETC. COLOR TO MATCH ADJACENT SURFACE.
- COORDINATE AND REFER TO ALL DRAWINGS INCLUDING CIVIL, STRUCTURAL, PROCESS, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL WORK ITEMS NOT INDICATED IN ARCHITECTURAL DRAWINGS.
- PROCESS PIPING AND APPURTENANCES NOT SHOWN. REFER TO PLUMBING DRAWINGS.
- PROVIDE SEALANT AT ALL MASONRY CONTROL JOINTS. COLOR SHALL MATCH MASONRY. REFER TO STRUCTURAL DWGS FOR JOINT LAYOUT REQUIREMENTS.



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO:	Q-208
DWG FILE:	N/A
DRAWN BY:	DAW
DATE:	08/01/25
DESIGNED BY:	DAW
CHECKED BY:	CRK
APPROVED BY:	RCS

SHEET TITLE

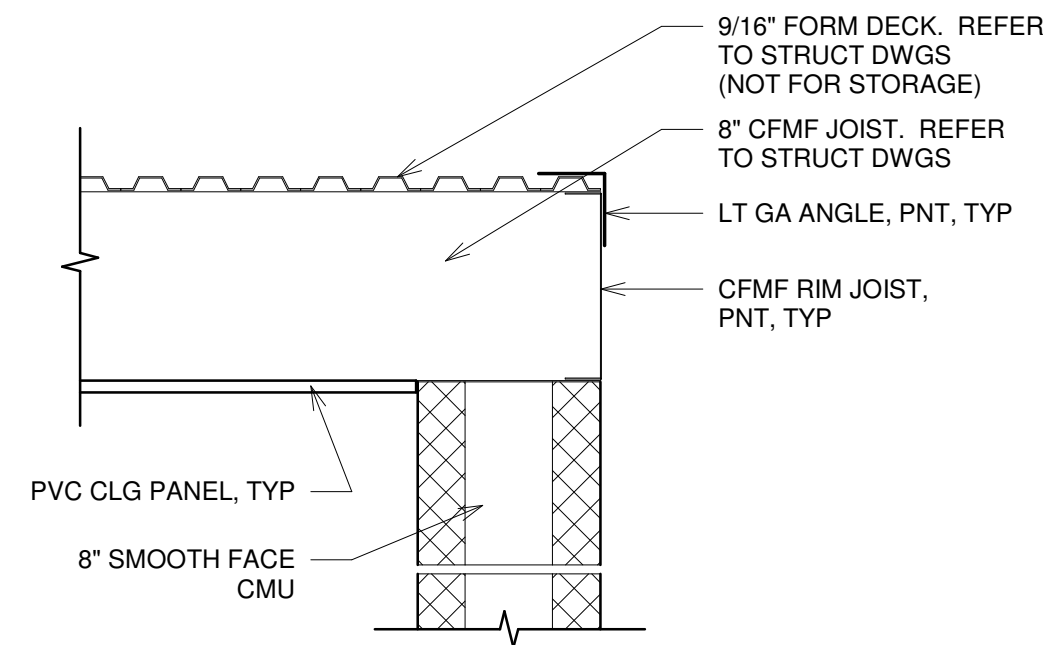
BUILDING
SECTIONS

A-5

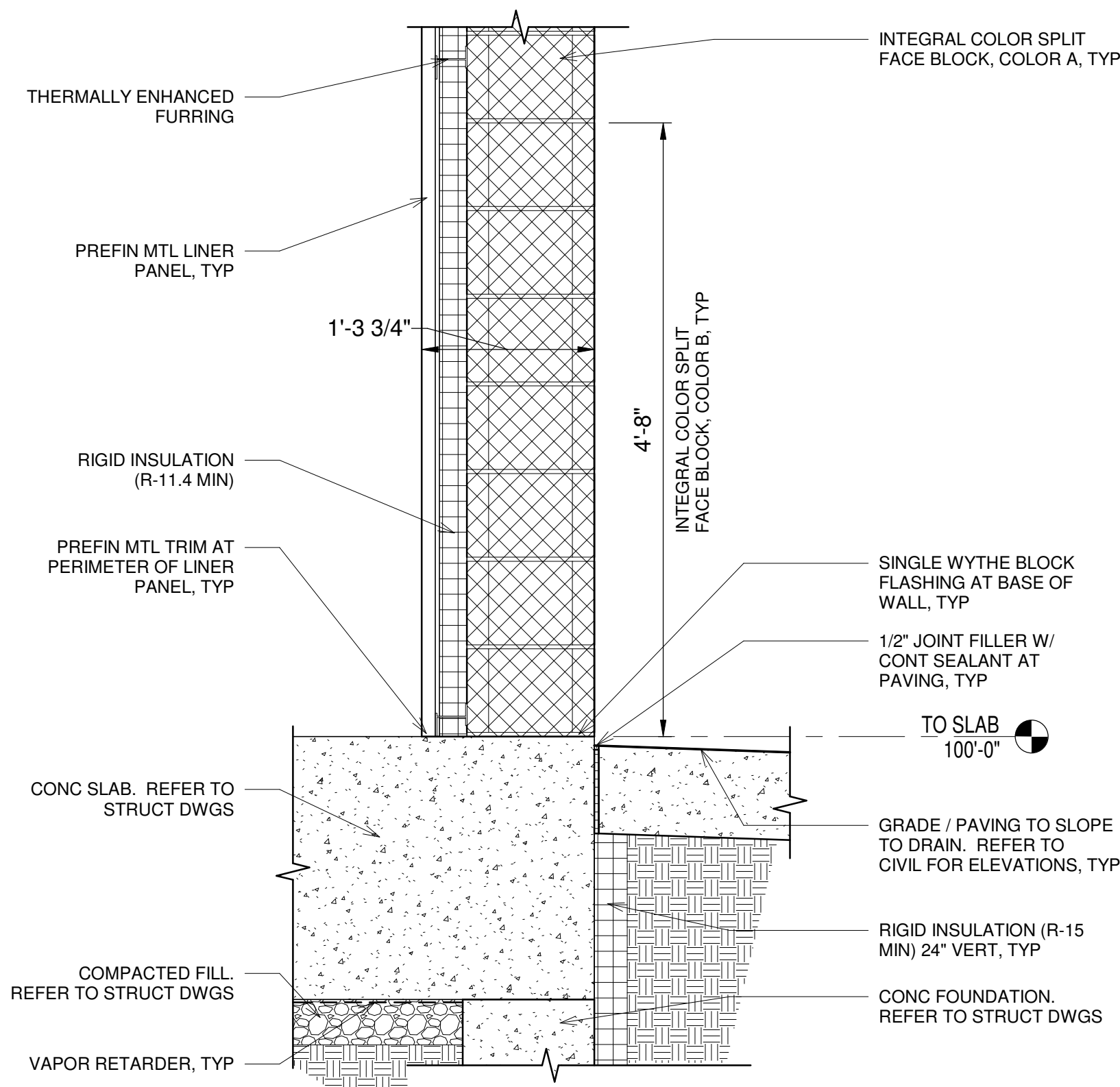
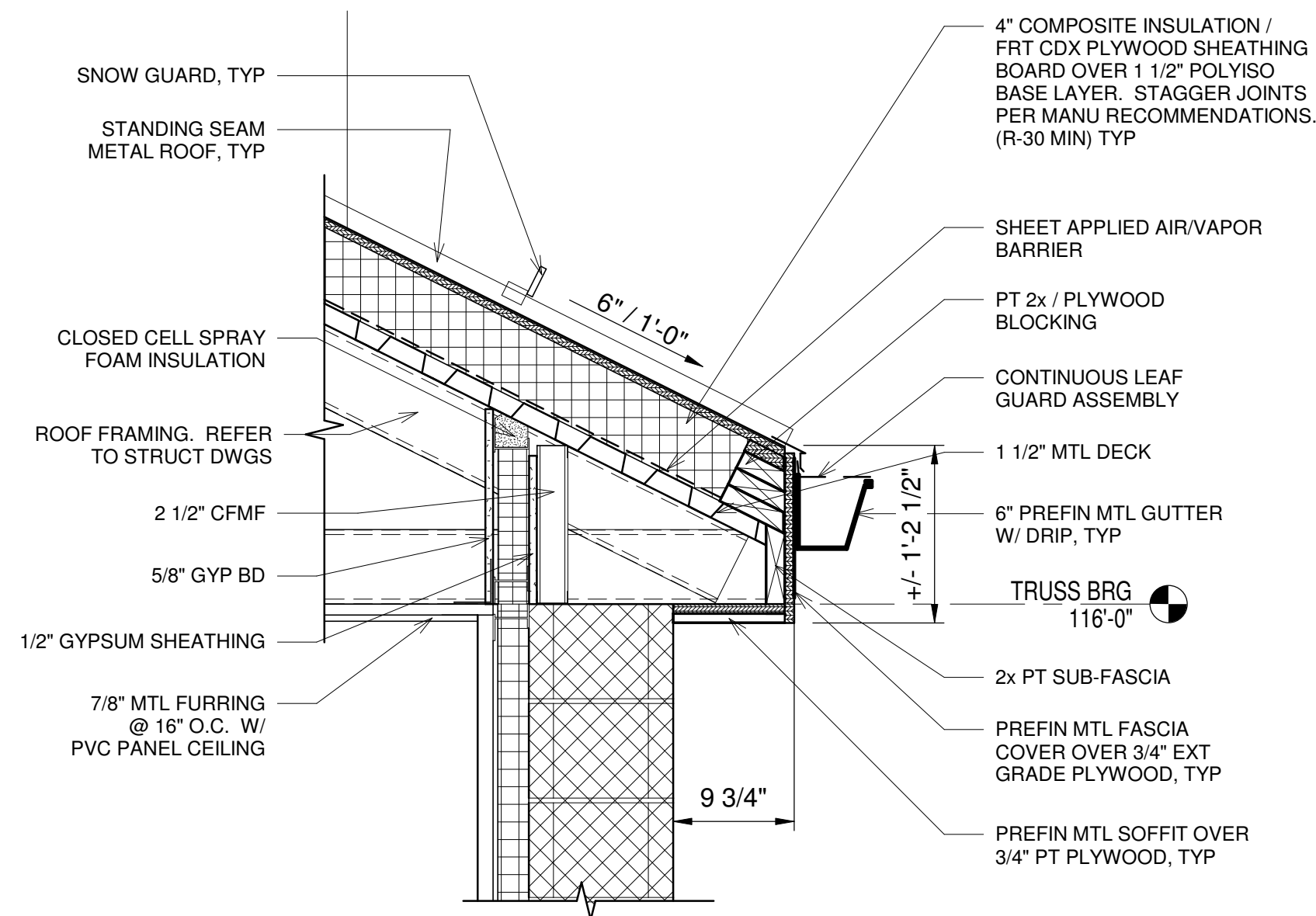
SHEET 45 OF 147

100% SUBMITTAL

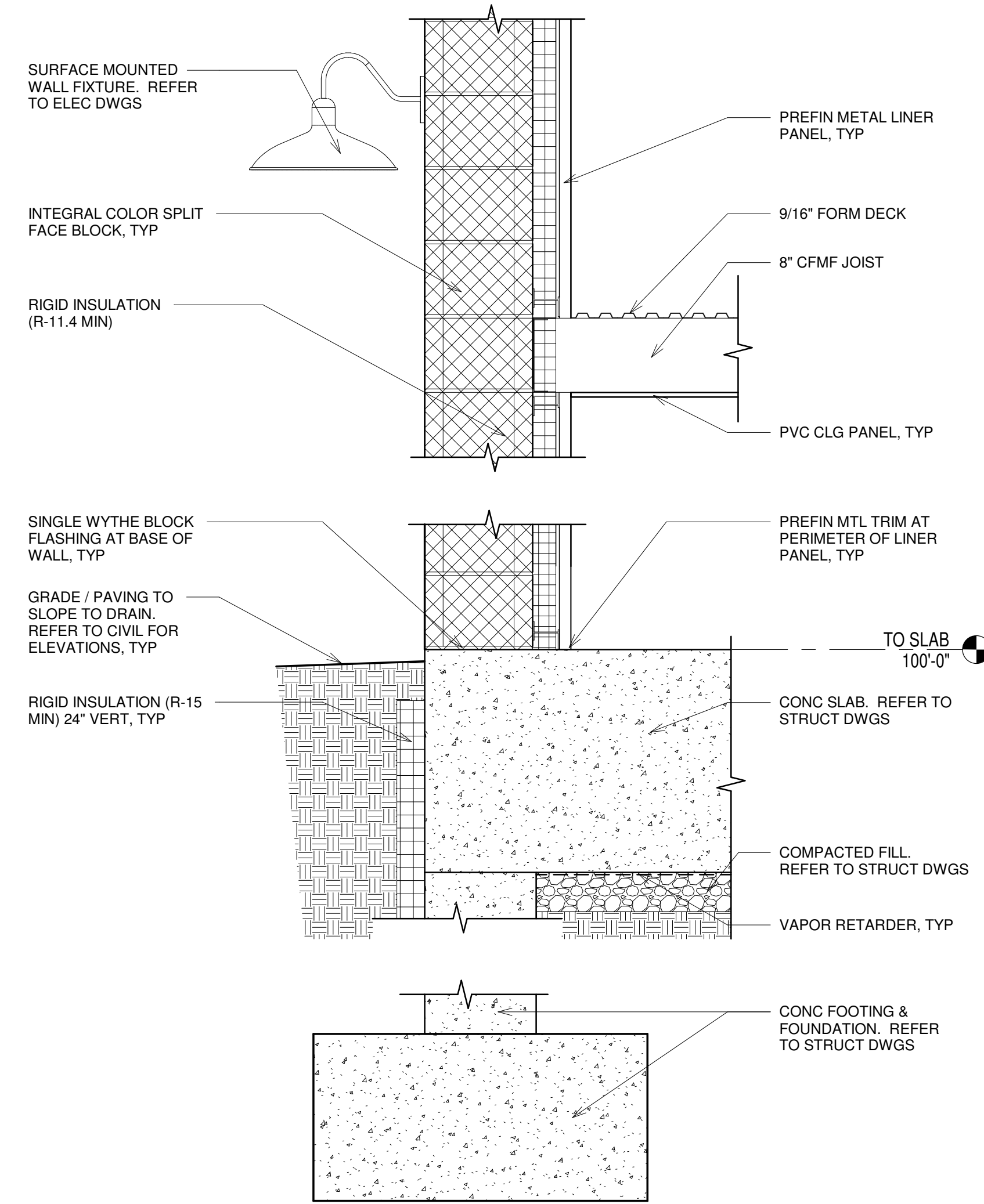
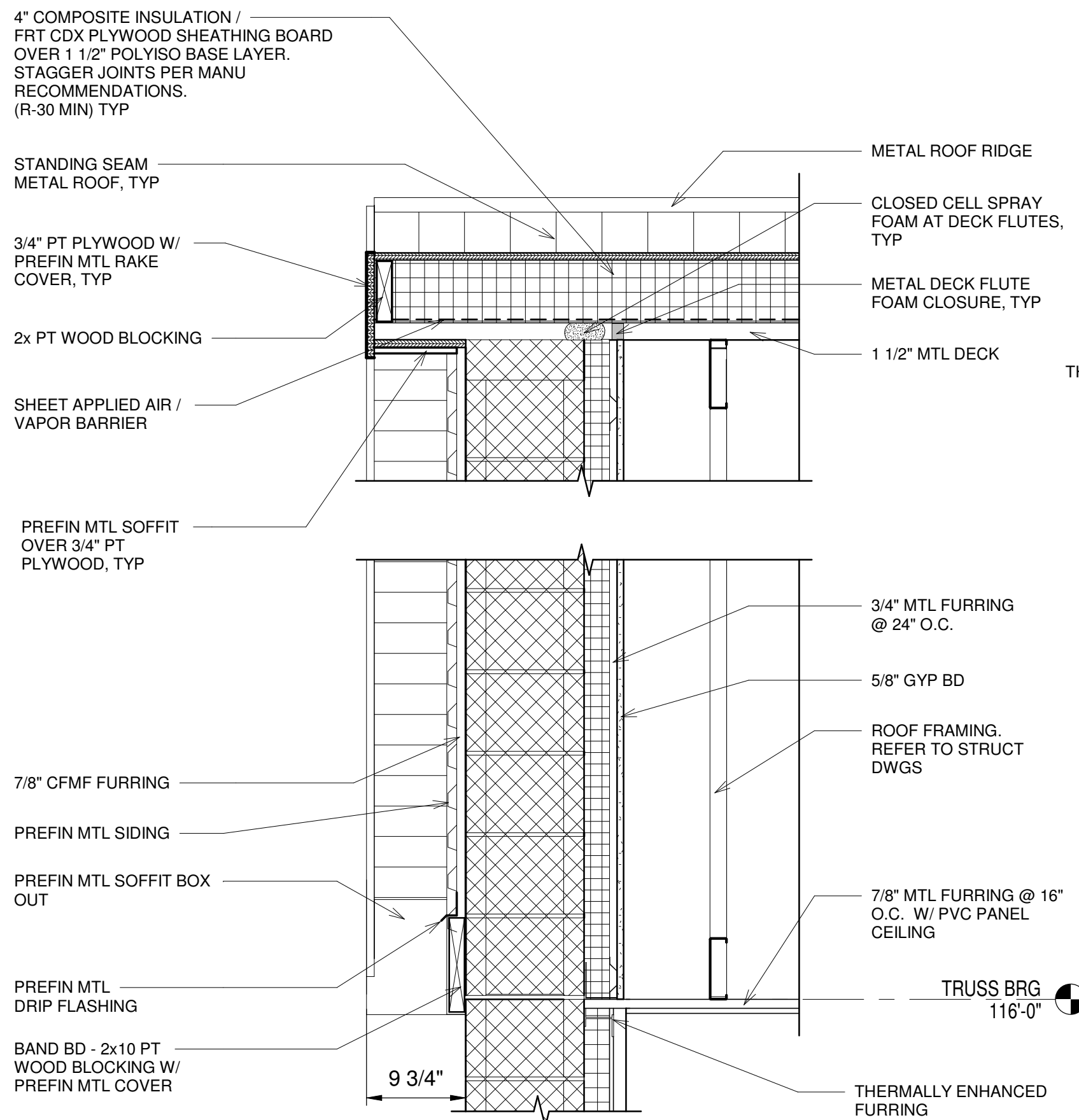
8/1/2025 11:43:56 AM
C:\Users\lewis\Documents\Revi2024 Local\Peninsula WWTP_Arch_R24_ellias.lewis.rvt



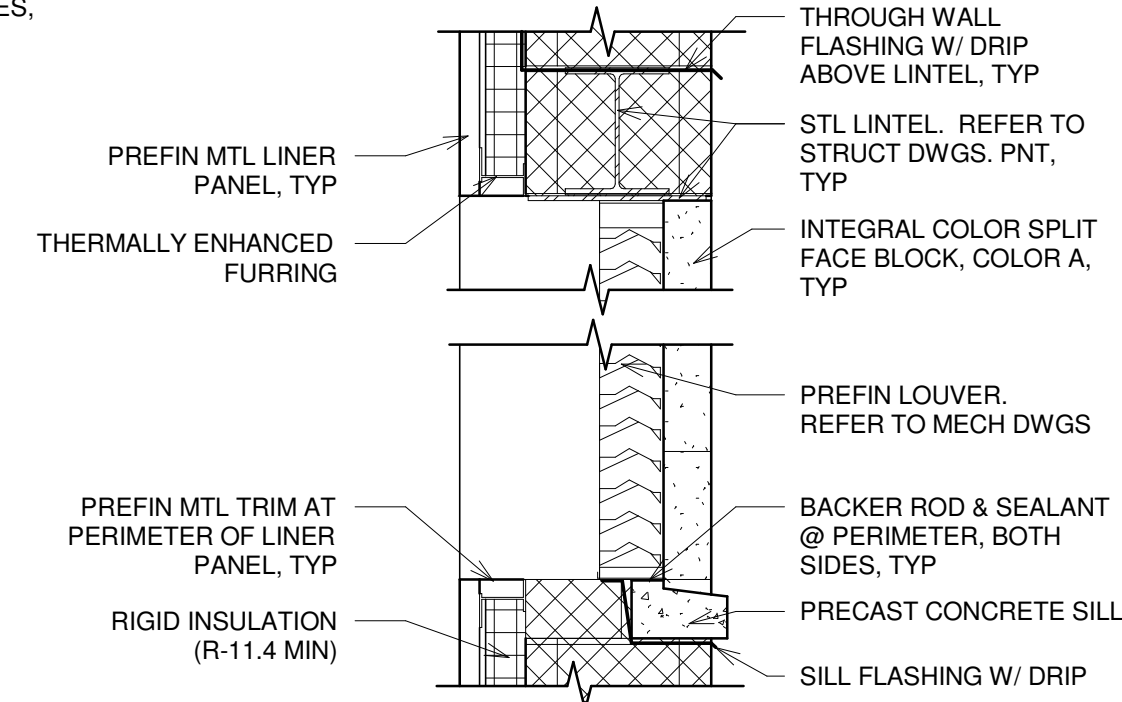
1
A-6
DETAIL @ CEILING JOIST
1 1/2" = 1'-0"



2
A-6
WALL SECTION
1" = 1'-0"



3
A-6
WALL SECTION
1" = 1'-0"



5
A-6
LOUVER DETAIL
1" = 1'-0"



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 MAIN STREET
AKRON, OHIO 44308
B&N
burgessniple.com

Environmental Sustainability	Project # Q-208	Village of Peninsula
------------------------------	-----------------	----------------------

MARK	DATE	DESCRIPTION	BY

PROJECT NO:	Q-208
DWG FILE:	N/A
DRAWN BY:	DAW
DATE:	08/01/25
DESIGNED BY:	DAW
CHECKED BY:	CRK
APPROVED BY:	BS

SHEET TITLE

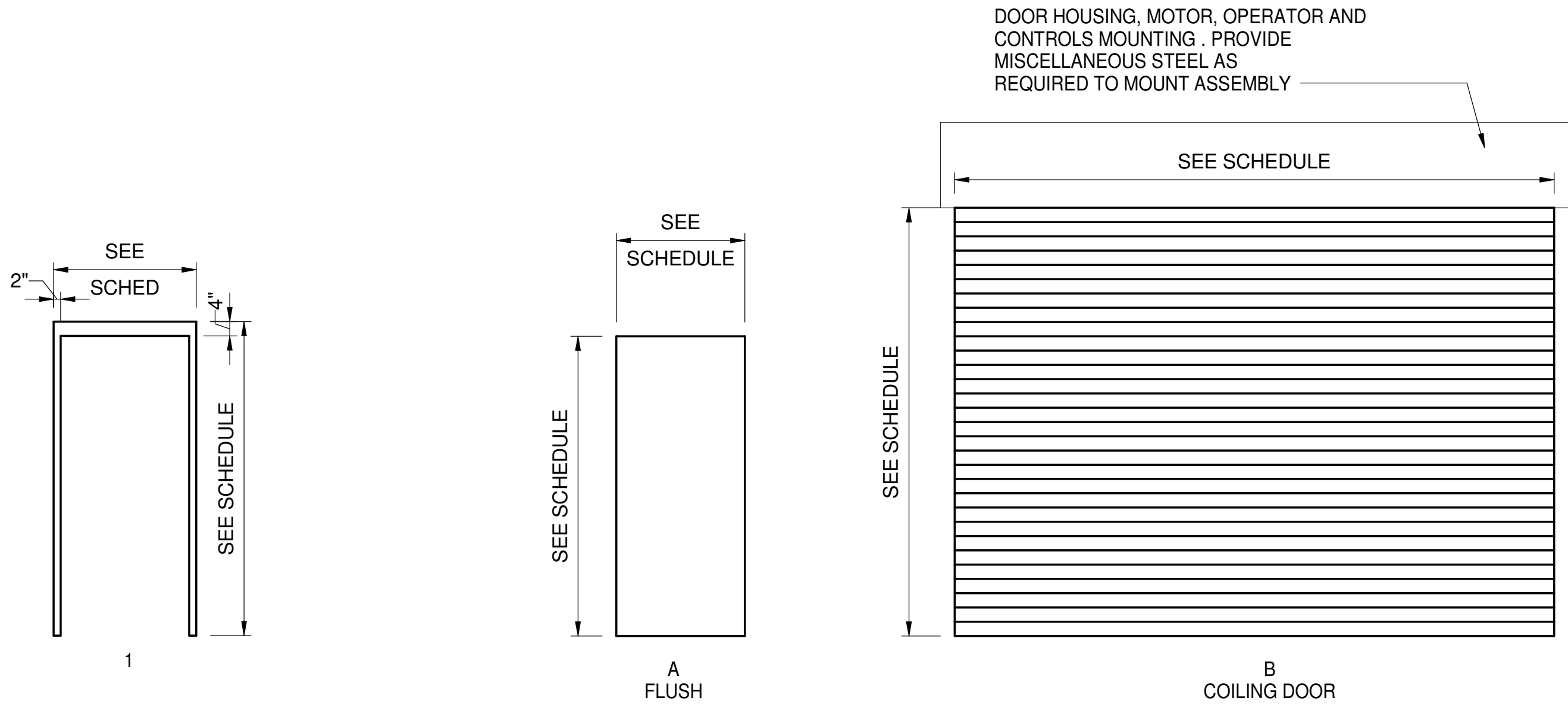
WALL
SECTIONS &
DETAILS

A-6
SHEET 46 OF 147

100% SUBMITTAL

C:\Users\lewis\Documents\Revi2024 Local\Peninsula WWTP_Arch_R24_ellias.lewis.rvt 8/1/2025 11:43:57 AM

DOOR AND FRAME SCHEDULE															
MARK	LOCATION	DOOR						FRAME			DETAILS		HARDWARE	FIRE RATING	REMARKS
		TYPE	MATERIAL	FINISH	WIDTH	HEIGHT	THICK	MATERIAL	TYPE	FINISH	HEAD	JAMB			
OH01	TREATMENT	B	STEEL	PRE-FIN	12'-0"	12'-0"	0'-0 3/4"	STEEL	-	STEEL	3/A-7	4/A-7	-	-	MOTOR OPERATED
101	TREATMENT	A	STEEL	PAINT	6'-0"	7'-0"	0'-1 3/4"	STEEL	1	PAINT	1/A-7	2/A-7	1	-	PR 3'-0" DOORS
102	RR	A	STEEL	PAINT	3'-0"	7'-0"	0'-1 3/4"	STEEL	1	PAINT	1/A-7 SIM	2/A-7 SIM	2	-	
103	ELEC	A	STEEL	PAINT	3'-0"	7'-0"	0'-1 3/4"	STEEL	1	PAINT	1/A-7	2/A-7	3	-	

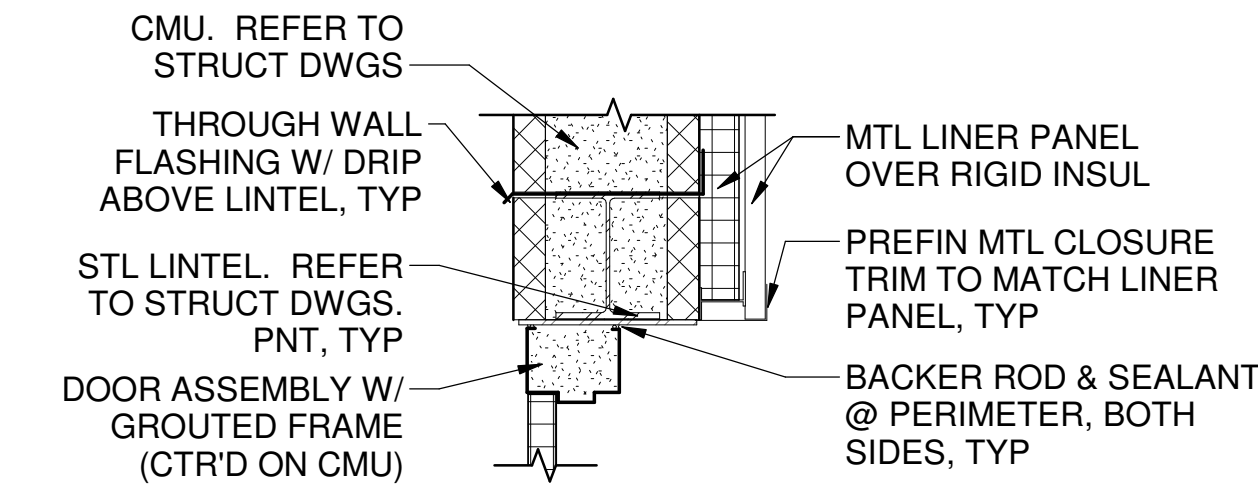


DOOR FRAME TYPE

SCALE: 3/8" = 1'-0"

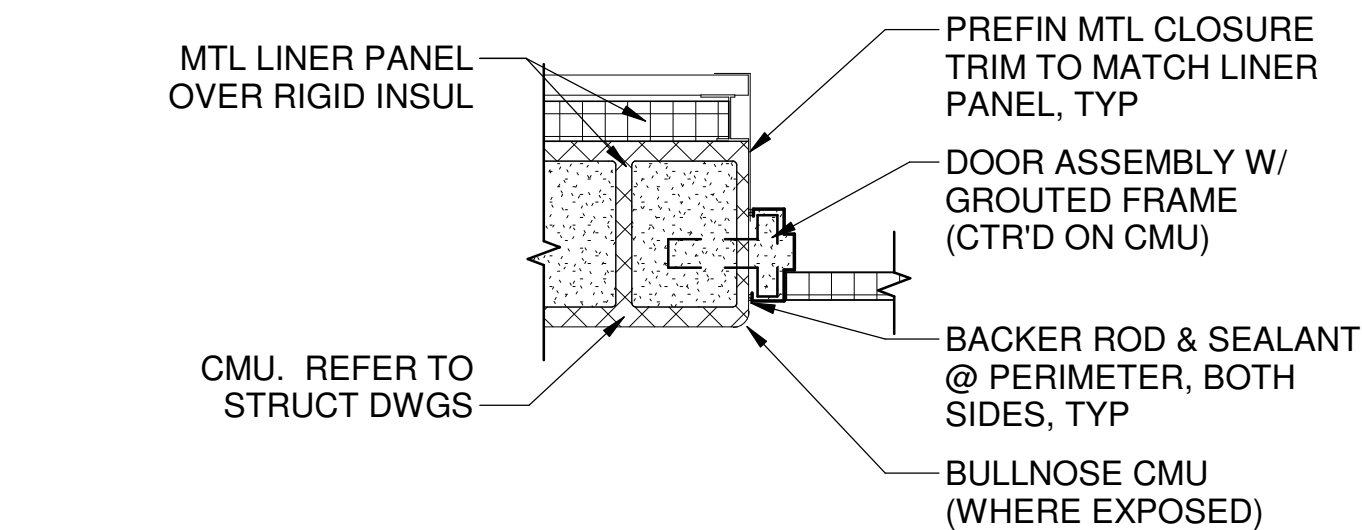
DOOR TYPES

SCALE: 3/8" = 1'-0"



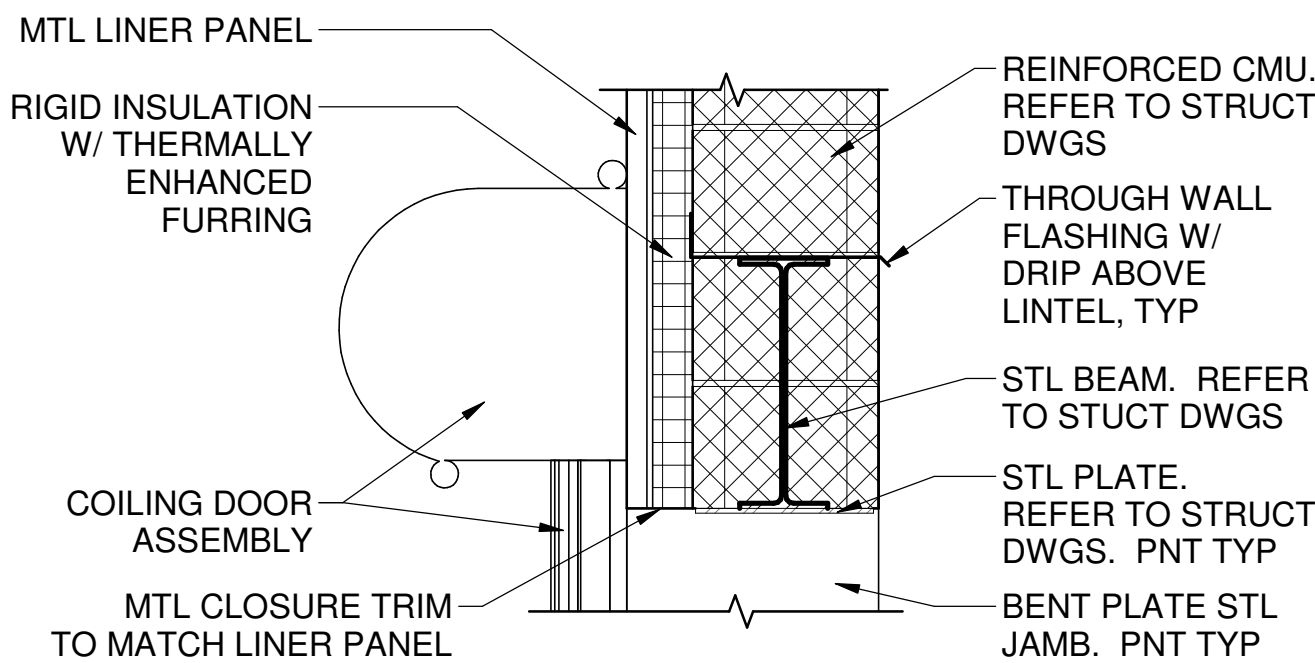
1 HEAD DETAIL @ HM DOOR

1" = 1'-0"



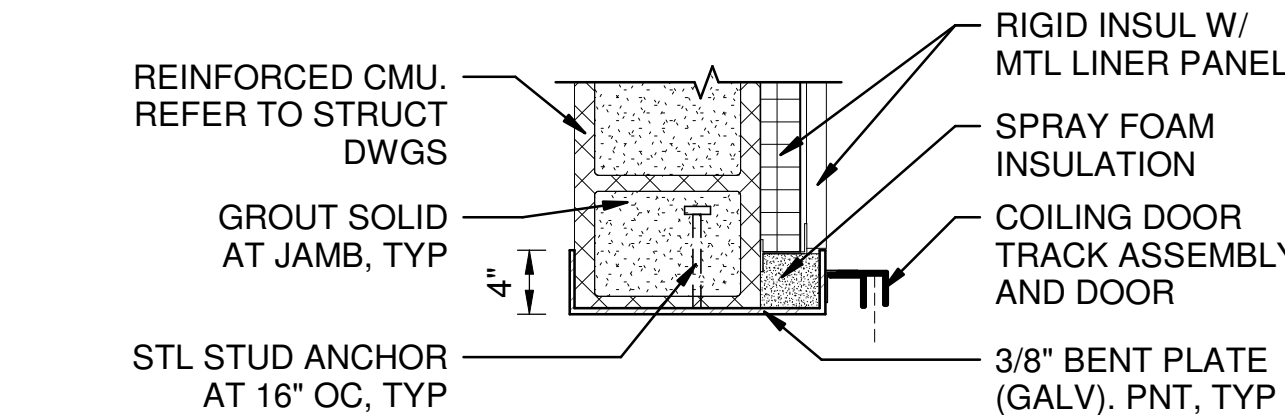
2 JAMB DETAIL @ HM DOOR

1" = 1'-0"



3 HEAD DETAIL @ COILING DOOR

1" = 1'-0"



4 JAMB DETAIL @ COILING DOOR

1" = 1'-0"

GENERAL SHEET NOTES

- A. REFER TO SPECIFICATION SECTION 087100 FOR DOOR HARDWARE SETS.



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 MAIN STREET
AKRON, OHIO 44308
B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO:	Q-208
DWG FILE:	N/A
DRAWN BY:	DAW
DATE:	08/01/25
DESIGNED BY:	DAW
CHECKED BY:	CRK
APPROVED BY:	RCS

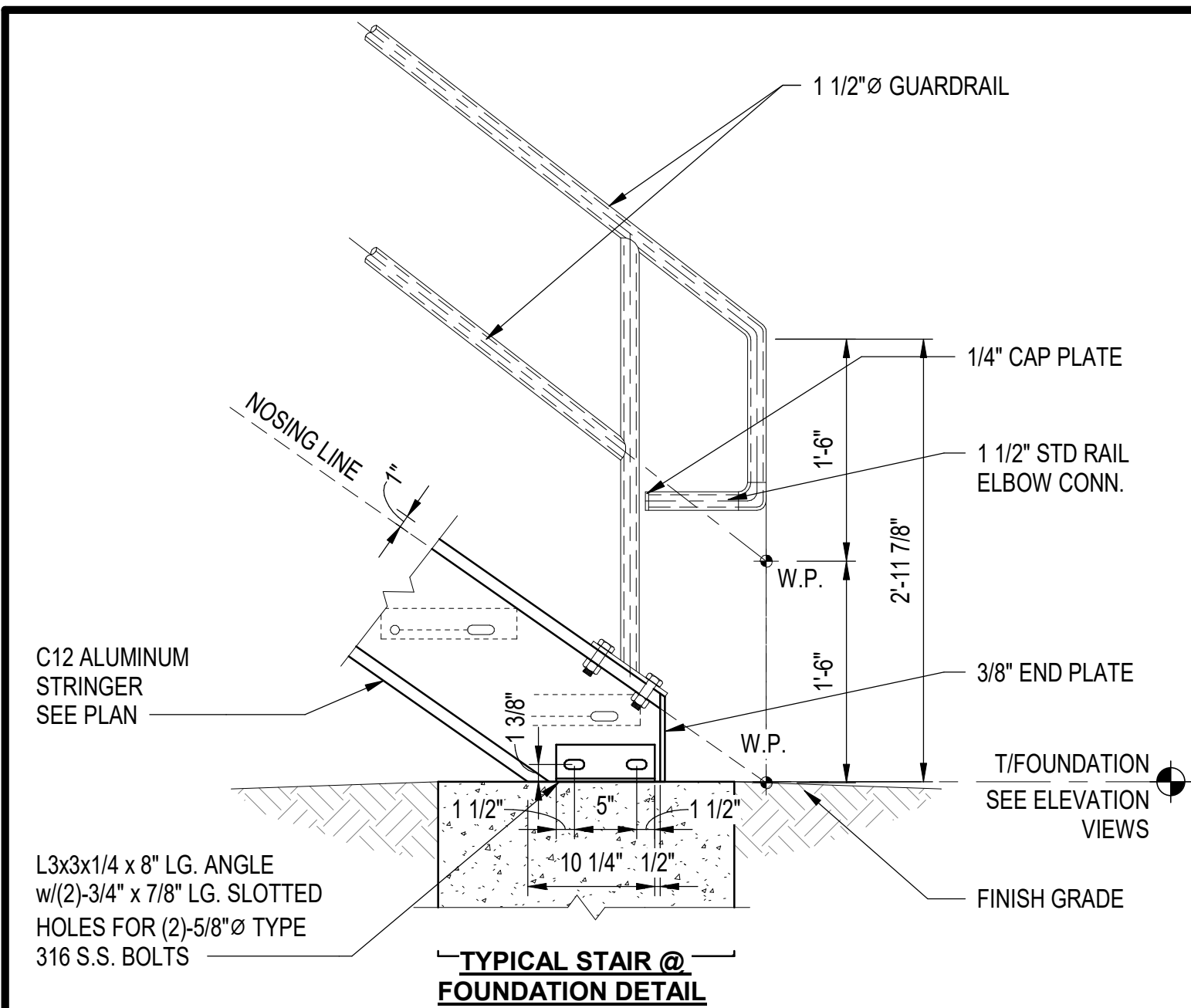
SHEET TITLE

DOOR & FRAME
SCHEDULE,
TYPES &
DETAILS

A-7

SHEET 47 OF 147

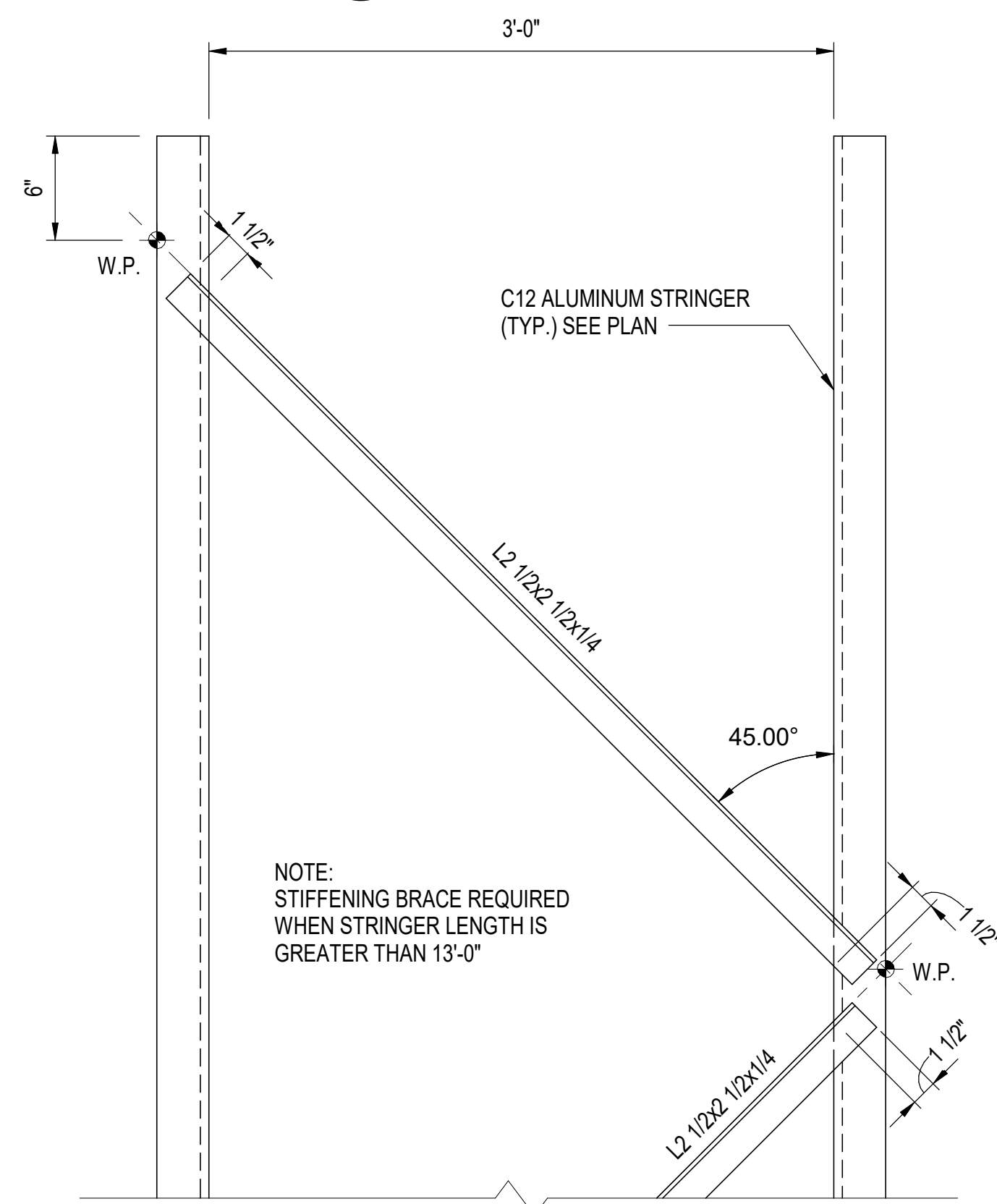
100% SUBMITTAL




1
ST-2

DETAIL

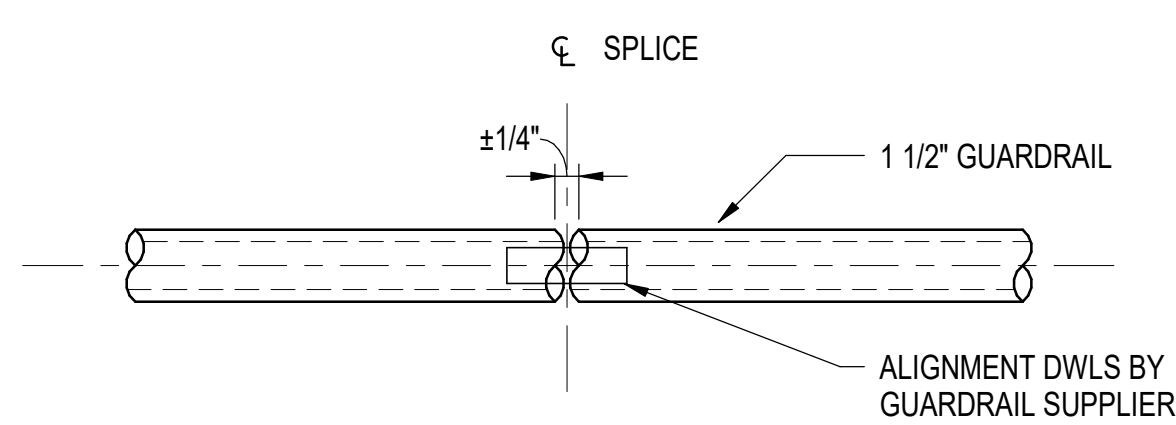
SCALE: 1" = 1'-0"



TYPICAL STAIR STRINGER
STIFFENING DETAIL

 **DETAIL**

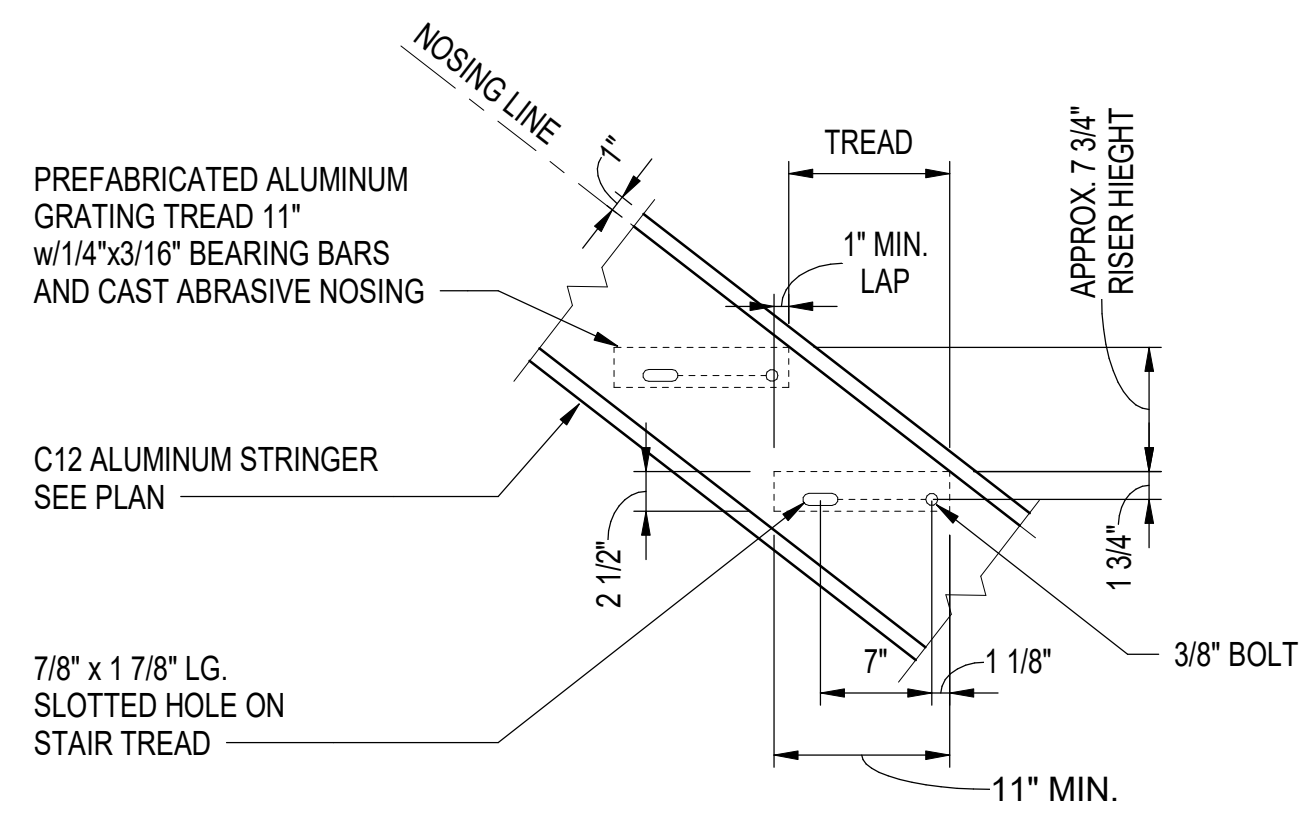
SCALE: 1 1/2" = 1'-0"




3
ST-2

DETAIL

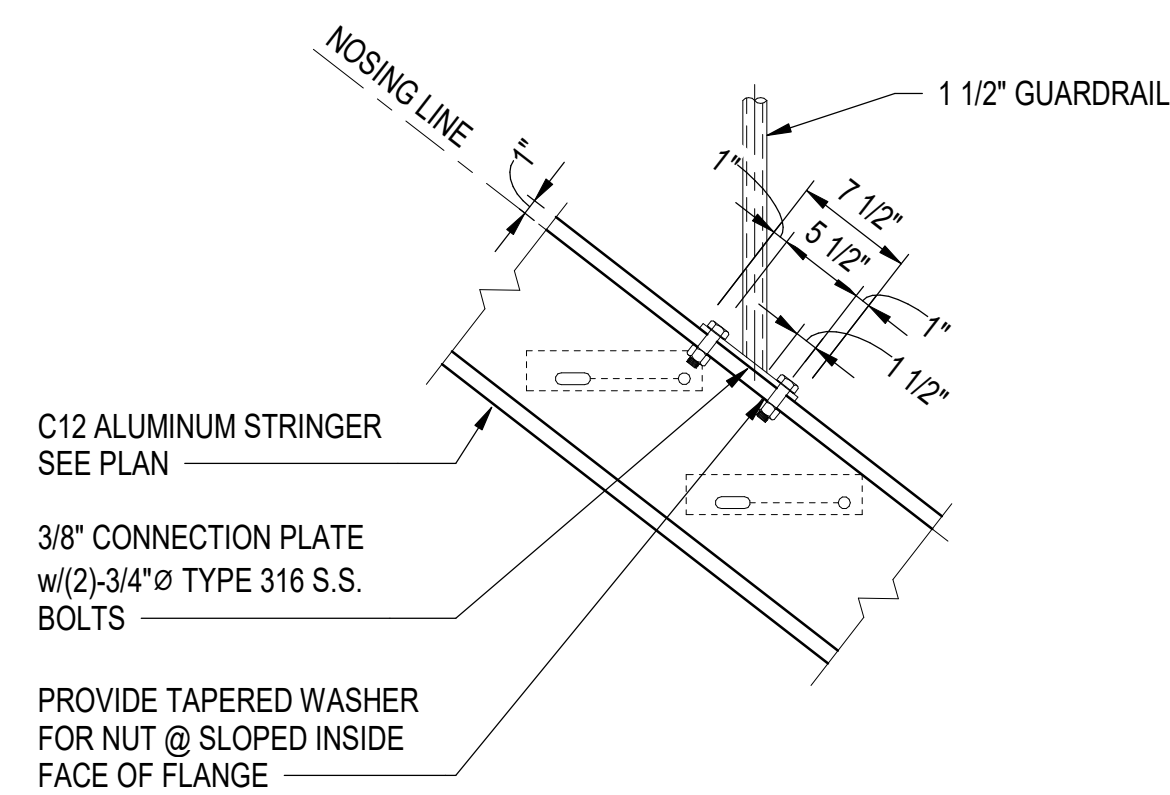
SCALE: 3" = 1'-0"



TYPICAL STAIR TREAD DETAIL

 **DETAIL**

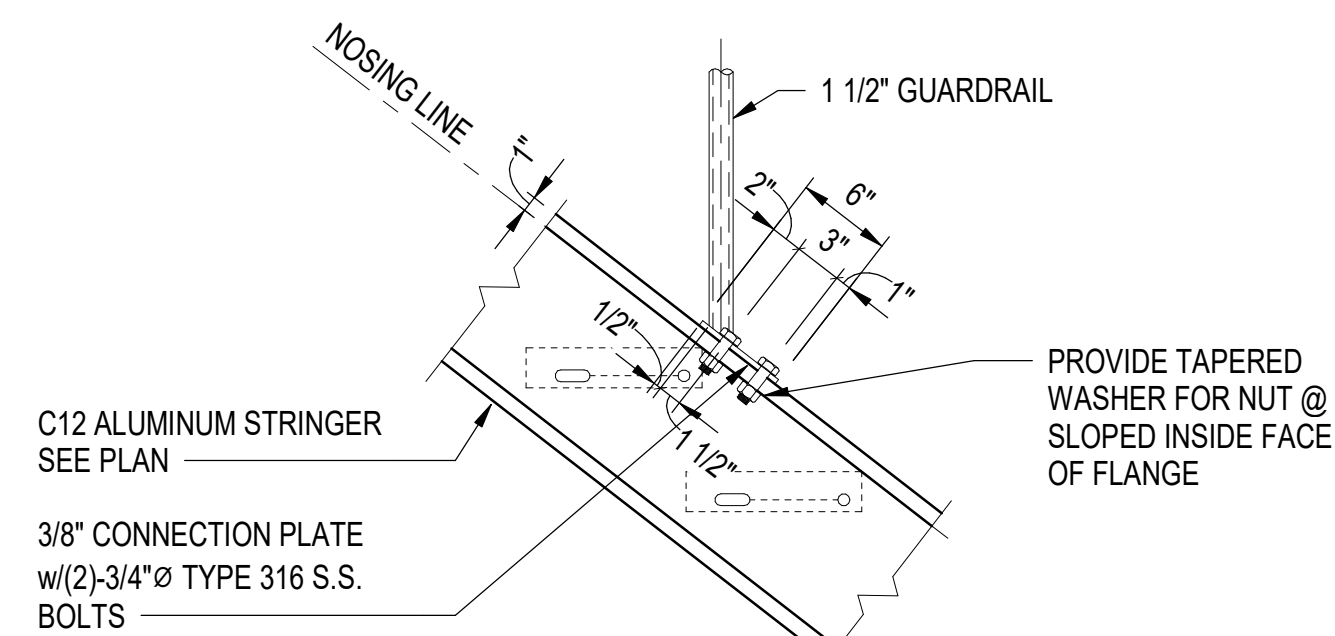
SCALE: 1" = 1'-0"



5
ST-2

DETAIL

SCALE: 1" = 1'-0"

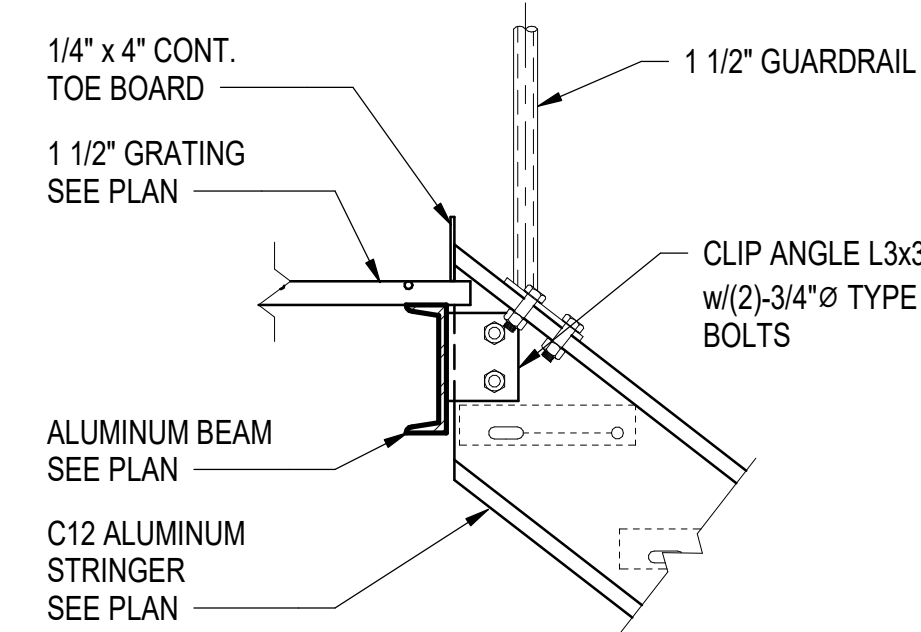


**TYPICAL STAIR RAILING
ATTACHMENT DETAIL 2**

6
ST-2

DETAIL

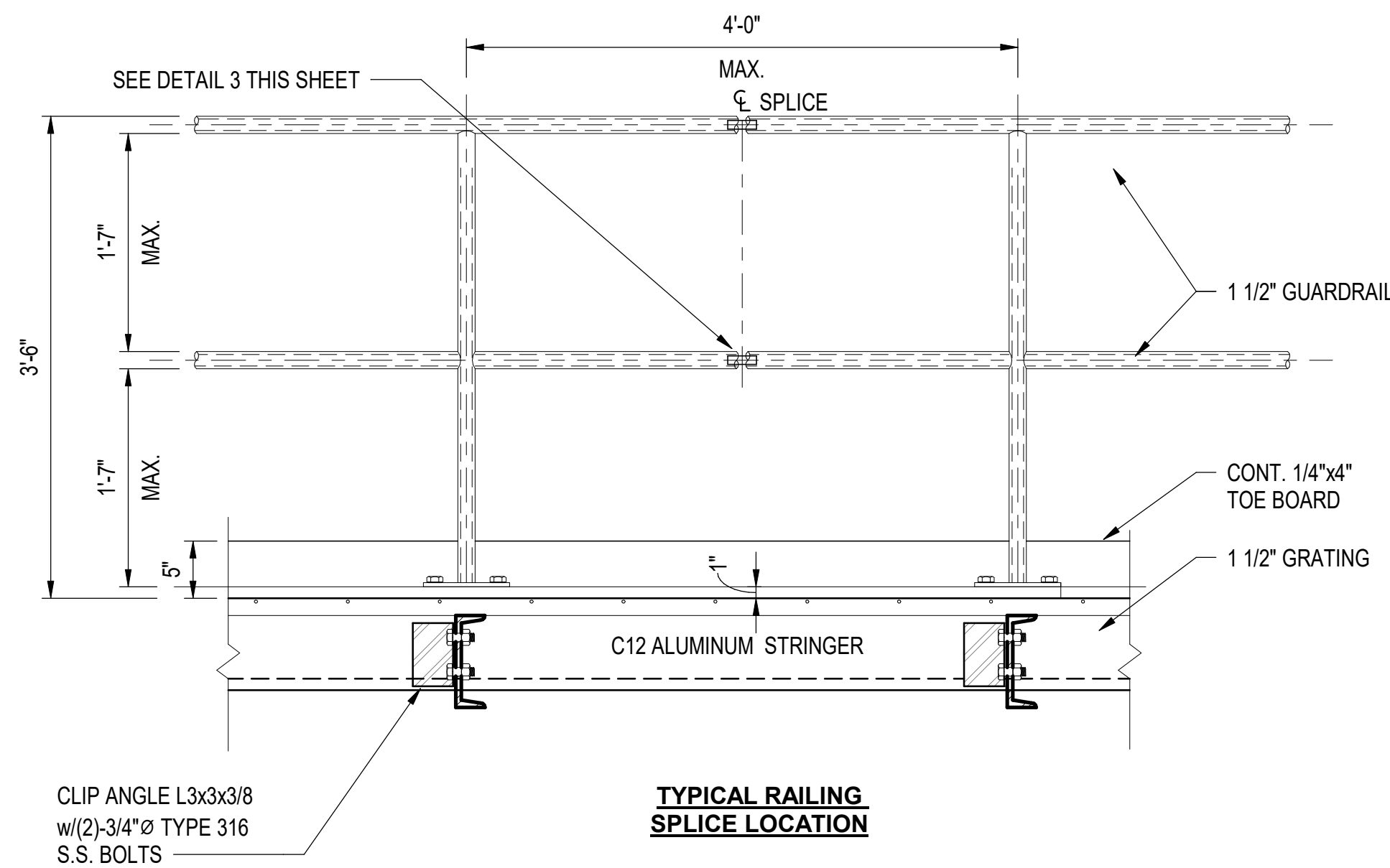
SCALE: 1" = 1'-0"



7
ST-2

DETAIL

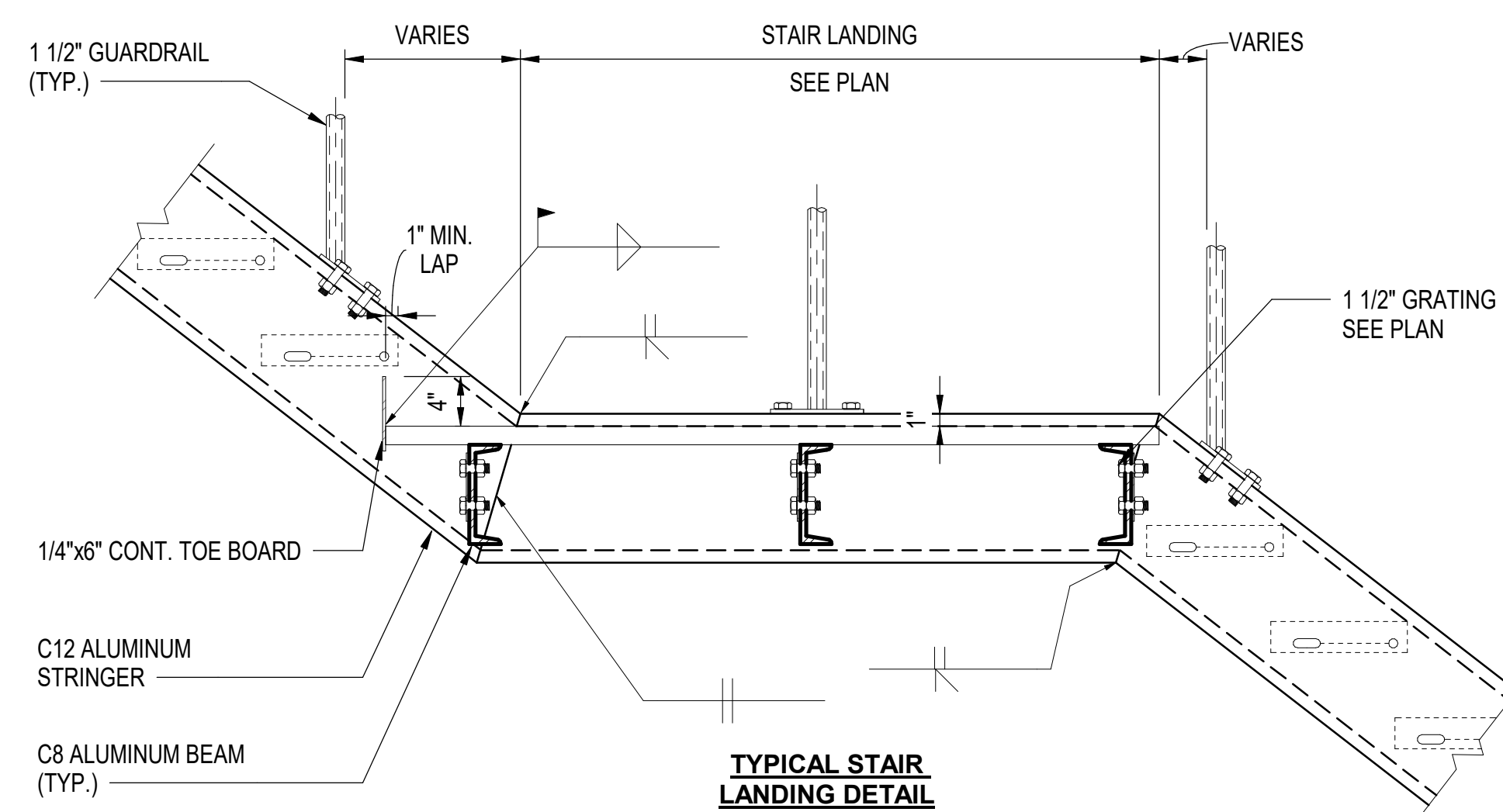
SCALE: 1" = 1'-0"



8
ST-2

DETAIL

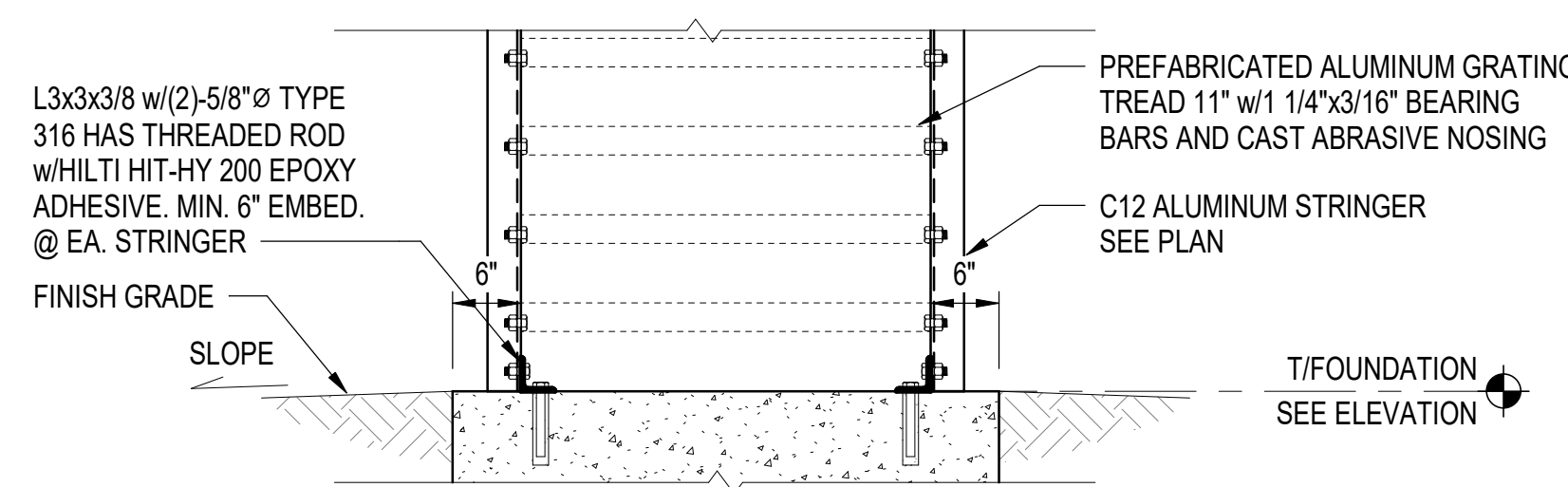
SCALE: 1" = 1'-0"



9
ST-2

DETAIL

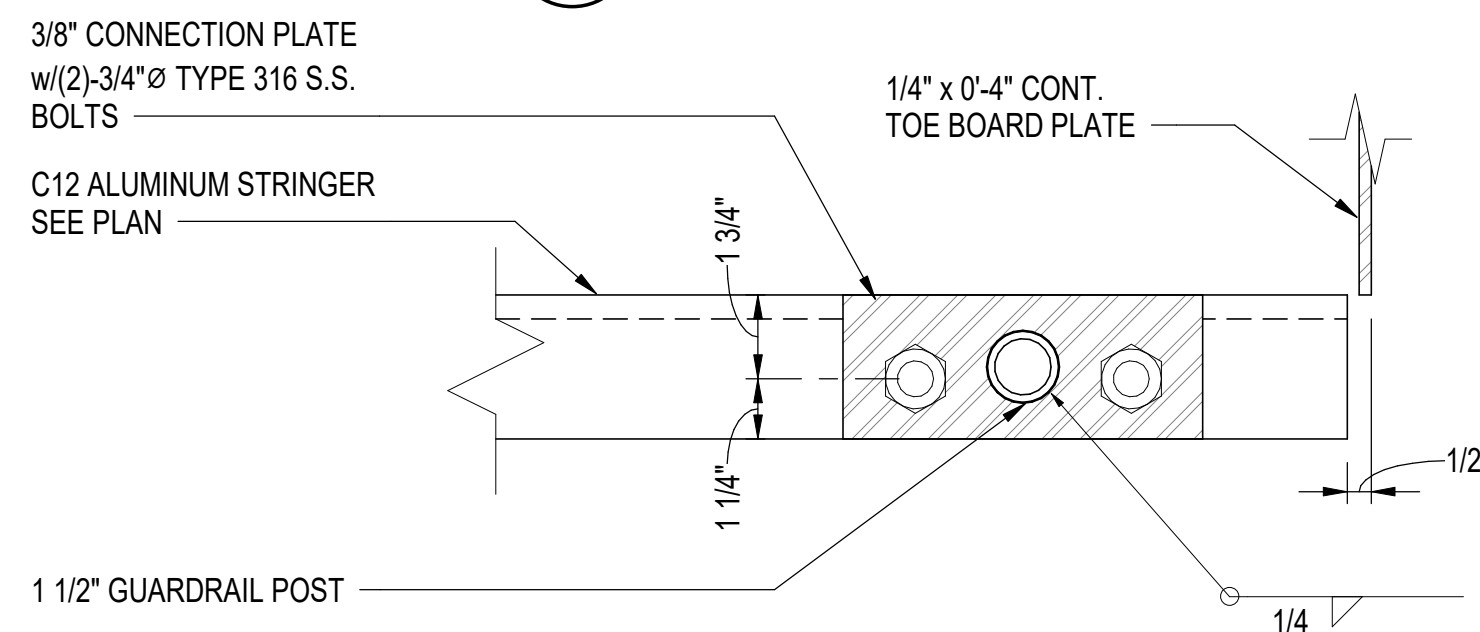
SCALE: 1" = 1'-0"




10
ST-2

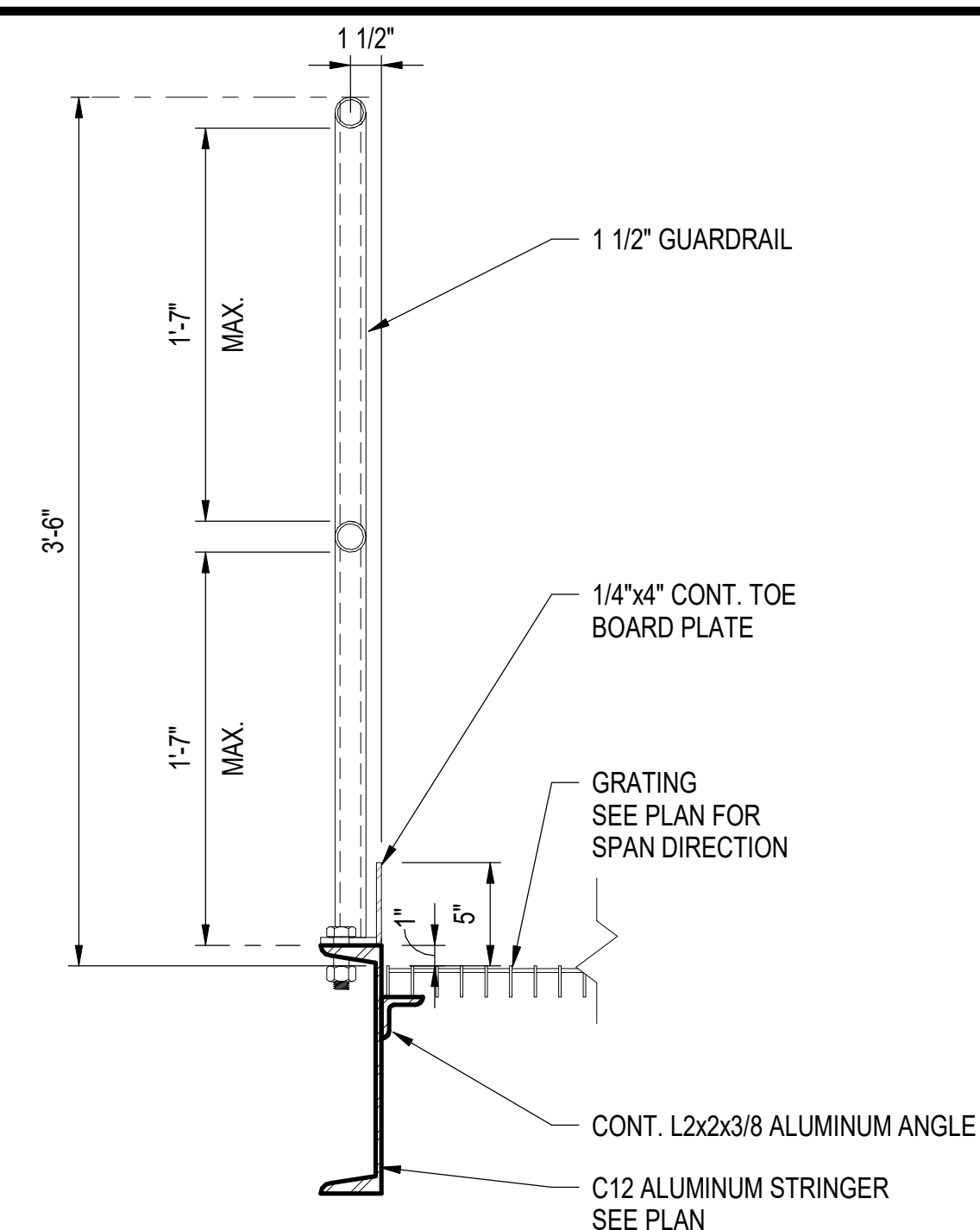
DETAIL

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



TYPICAL POST CONNECTION DETAIL

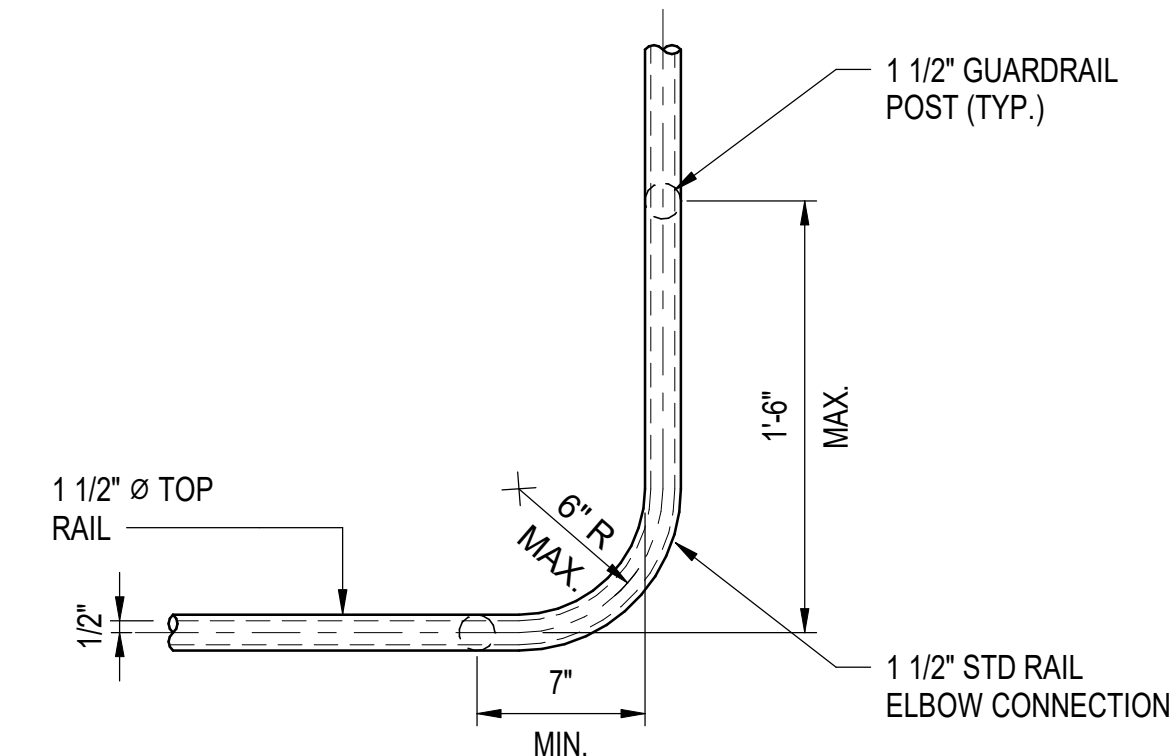
 **DETAIL**
SCALE: 3" = 1'-0"




12
ST-2

DETAIL

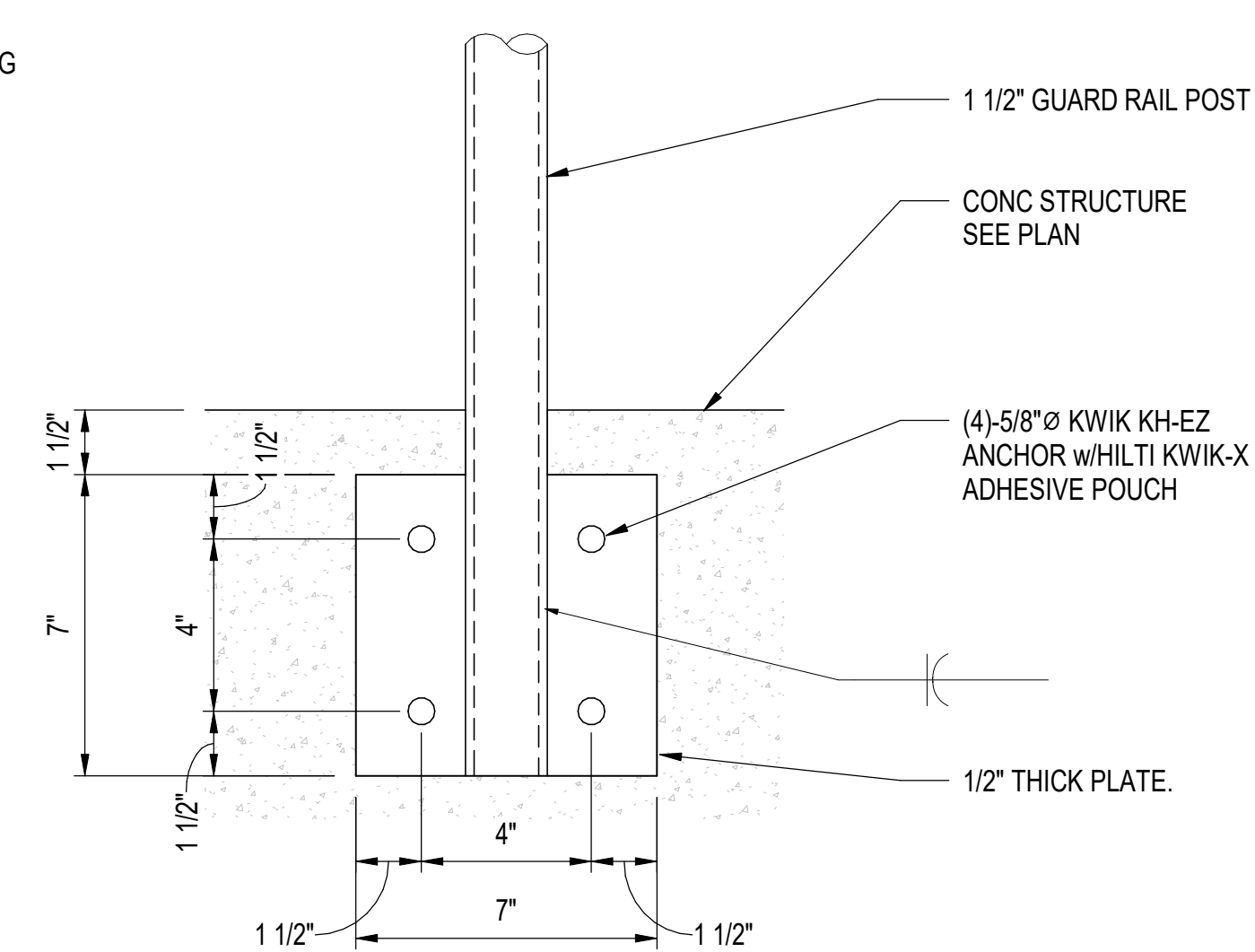
SCALE: 1 1/2" = 1'-0"



TYPICAL CORNER RAILING DETAIL

 **DETAIL**

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



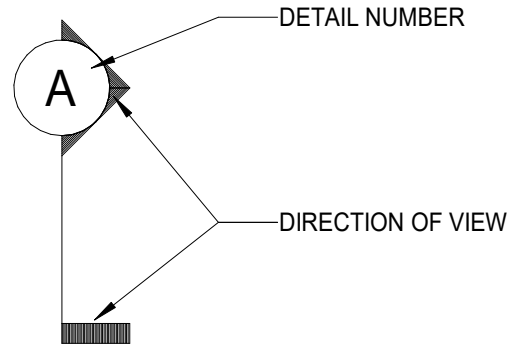
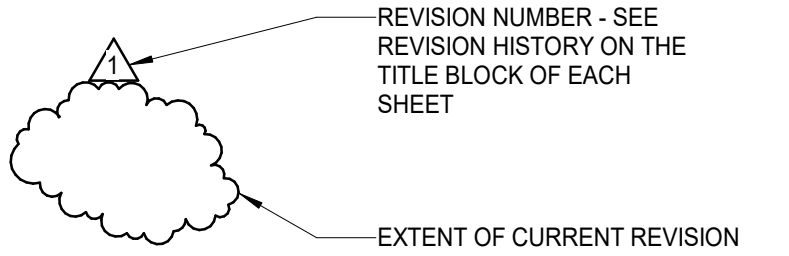
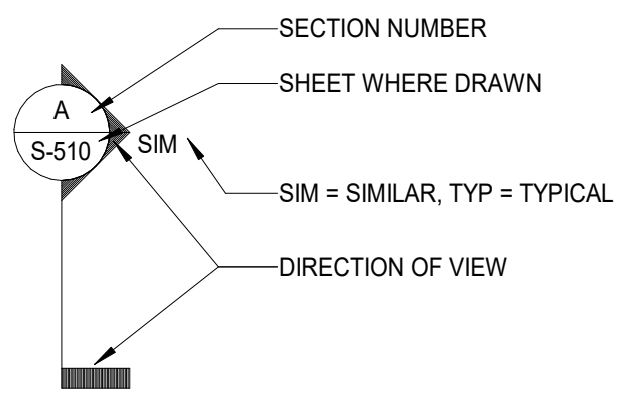
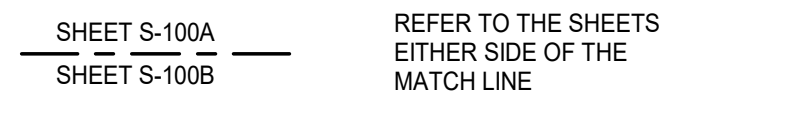
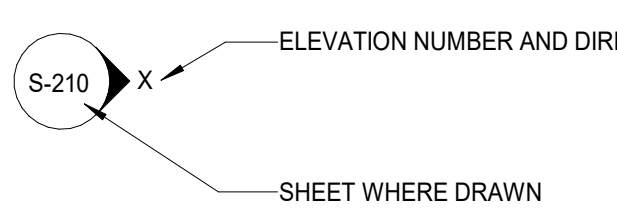

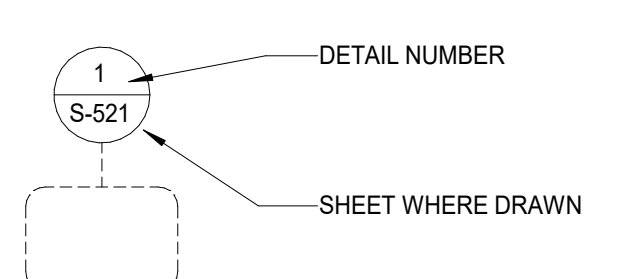
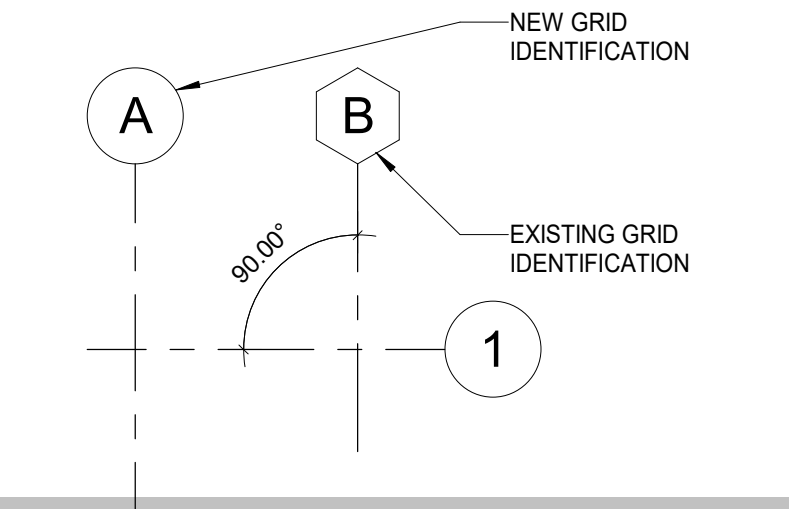
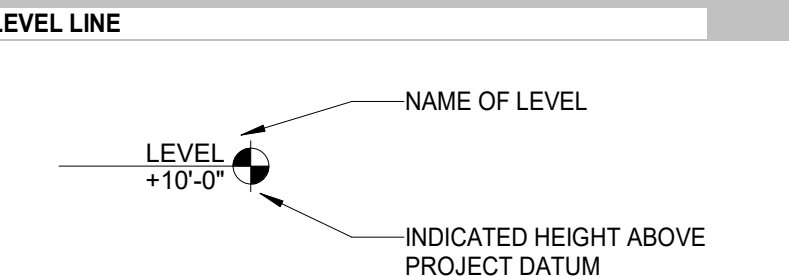
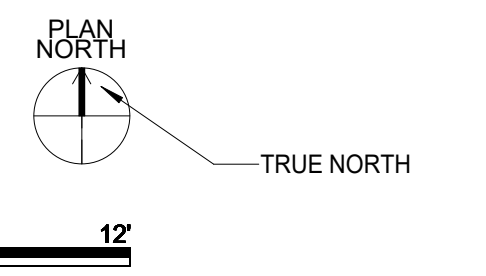
14
ST-2

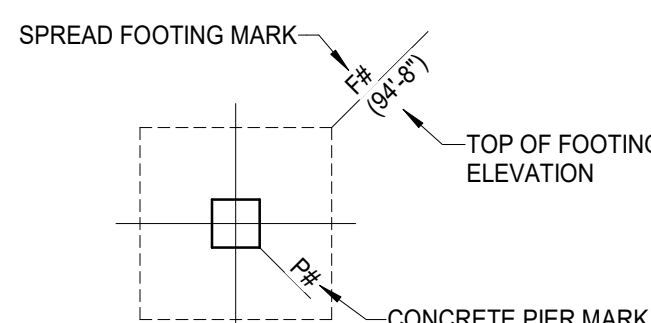
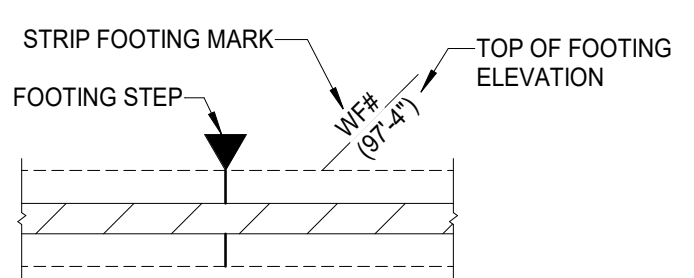
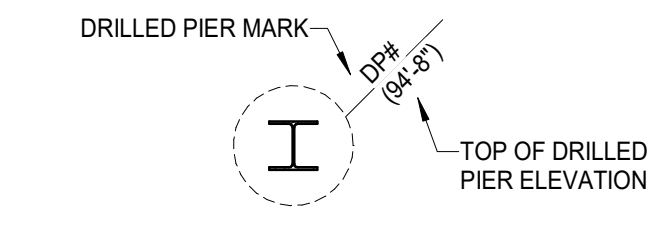
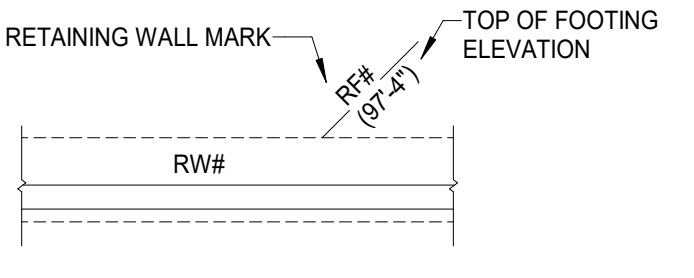
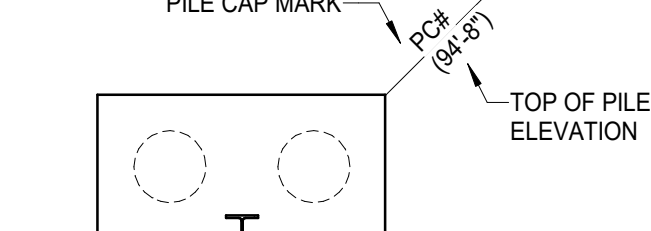


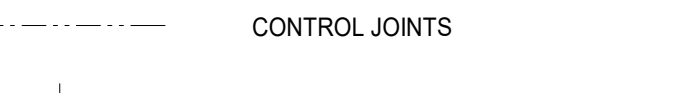
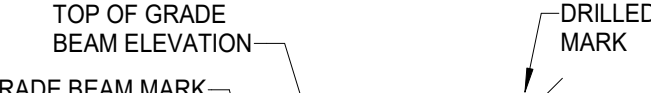
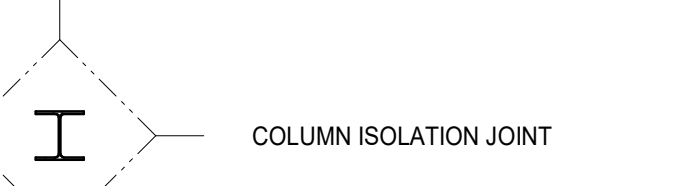
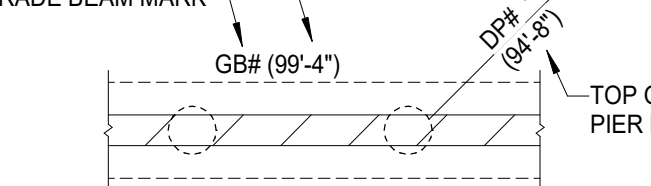

DETAIL

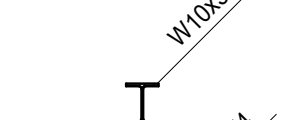


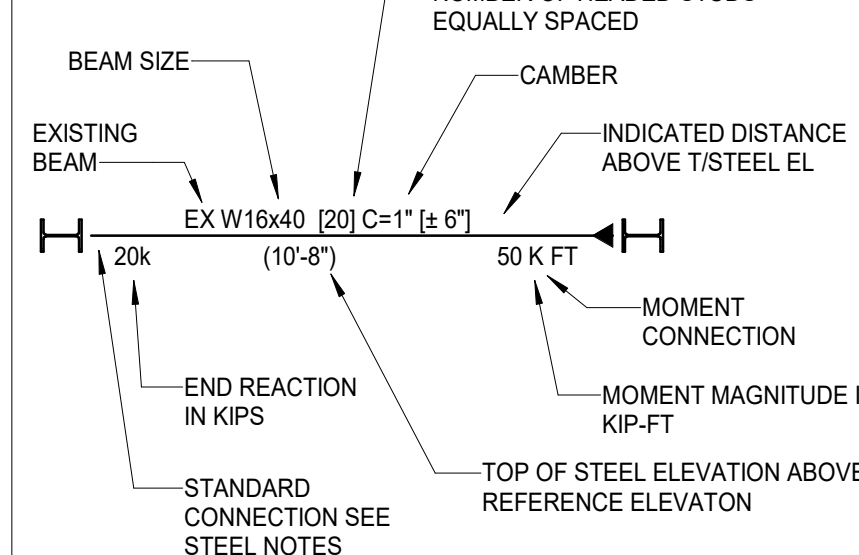
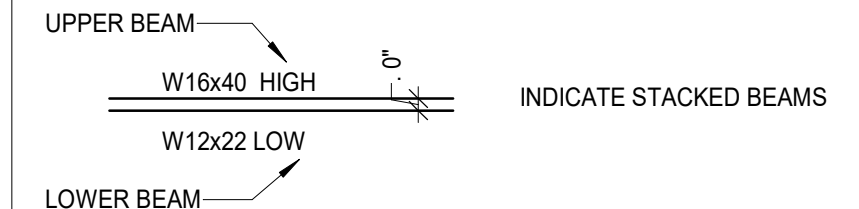
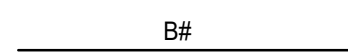
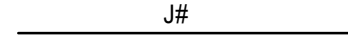
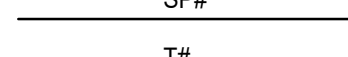
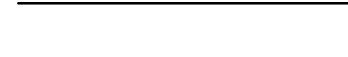

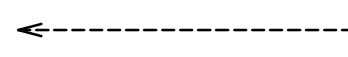
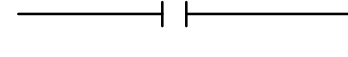
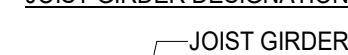

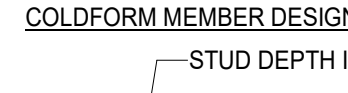

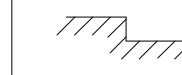
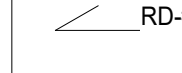
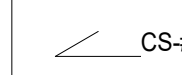



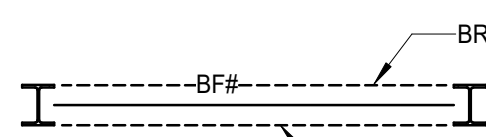


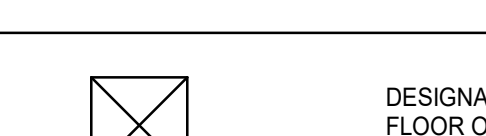
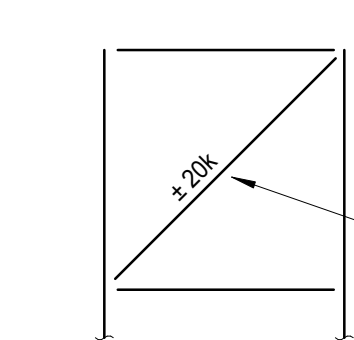
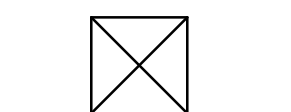
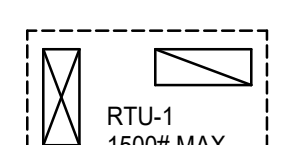
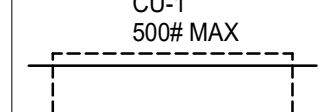
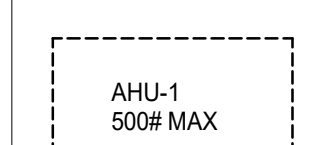
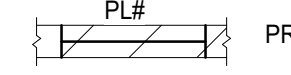
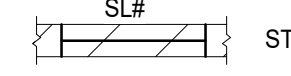
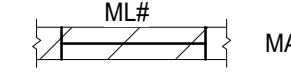
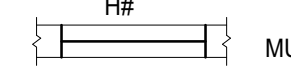
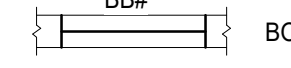
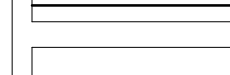

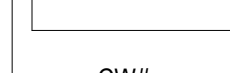
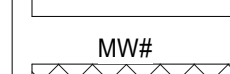
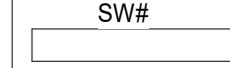

SCALE: 3" = 1'-0"


100% SUBMITTAL

ABBREVIATIONS		
SYMBOLS & AND @ PLUS OR MINUS ∅ DIAMETER d PENNY WEIGHT fc' CONCRETE COMPRESSIVE STRENGTH fm' MASONRY COMPRESSIVE STRENGTH AR ANCHOR ROD ACI AMERICAN CONCRETE INSTITUTE A/E ARCHITECT/ENGINEER ADD ADDENDUM ADDL ADDITIONAL ADJ ADJACENT AESS ARCHITECTURALLY EXPOSED STRUCTURAL STEEL AFF ABOVE FINISH FLOOR AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION AL ALUMINUM ALT ALTERNATE AOR ARCHITECT OF RECORD APPROX APPROXIMATE ARCH ARCHITECT ASCE AMERICAN SOCIETY OF CIVIL ENGINEERS ASD ALLOWABLE STRENGTH DESIGN ASTM AMERICAN SOCIETY OF TESTING MATERIALS AVE AVERAGE AWS AMERICAN WELDING SOCIETY B B/ BOTTOM OF BAL BALANCE BB BOXED BEAM BLDG BUILDING BLK BLOCK BLKG BLOCKING BM BEAM BN BOUNDARY NAIL BOT BOTTOM BP BOXED POST BRDG BRIDGING BRG BEARING BSMT BASEMENT BTW BETWEEN BULL BULLETIN C C CHANNEL CA CAISSON CB CONCRETE BEAM C/C CENTER TO CENTER CALCS CALCULATIONS CANT CANTILEVER CDF CONCRETE DENSITY FILL CFMF COLD FORM METAL FRAMING CL CENTERLINE CLG CEILING CF CUBIC FEET, CUBIC FOOT CFS COLD FORM STUDS CIP CAST IN PLACE CJ CONTROL JOINT CJP COMPLETE JOINT PENETRATION CLR CLEAR CM CENTIMETER CMU CONCRETE MASONRY UNIT COL COLUMN COMP COMPOSITE CONC CONCRETE CONN CONNECTION CONST CONSTRUCTION CONT CONTINUOUS COORD COORDINATE CTR CENTER CY CUBIC YARD D d PENNY WEIGHT DBL DOUBLE DEFL DEFLECTION DEG DEGREE DEMO DEMOLITION DEPR DEPRESSION DET DETAIL DF DOUGLAS FIR DFL DOUGLAS FIR LARCH DIA DIAMETER DIAG DIAGONAL DIM DIMENSION DIST DISTANCE DL DEAD LOAD DN DOWN dø DITTO DP DRILLED PIER DR DRAIN DT DRAIN TILE DWG DRAWING DWL DOWEL E EA EACH ECC ECCENTRIC EF EACH FACE EFP EQUIVALENT FLUID PRESSURE EL ELEVATION ELEC ELECTRICAL ELEV ELEVATION EMBED EMBEDMENT EN EDGE NAIL ENCL ENCLOSURE ENG ENGINEER EOD EDGE OF DECK EOR ENGINEER OF RECORD EOS EDGE OF SLAB EQ EQUAL EQUIP EQUIPMENT ES EACH SIDE EW EF EACH WAY EX EXISTING EXP EXPANSION EXP JT EXPANSION JOINT EXT EXTERIOR	F FAB FABRICATE FDN FLOOR DRAIN FDN FOUNDATION FIN FINISH FLR FLOOR FRM FRAMING FS FAR SIDE FT FOOT / FEET FTG FOOTING G GA GAUGE GALV GALVANIZED GB GRADE BEAM GC GENERAL CONTRACTOR GLB GLUE LAMINATED BEAM GLC GLUE LAMINATED COLUMN GLULAM GLUE LAMINATED GR GRADE GRGT GRATING GT GIRDER TRUSS GYP GYPSUM H HDR HEADER HEF HORIZONTAL EACH FACE HGR HANGER HORIZ HORIZONTAL HK HOOK HP HIGH POINT HSS HOLLOW STRUCTURAL SHAPES HT HEIGHT HVAC HEATING, VENTILATION, AIR CONDITIONING I ID INSIDE DIAMETER IF INSIDE FACE IN INCH INCL INCLUDE INFO INFORMATION INT INTERIOR INV INVERT J JG JOIST GIRDER JST JOIST JT JOINT K K KIP KF KIP FEET KLF KIPS PER LINEAL FOOT KSF KIPS PER SQUARE FOOT KSI KIPS PER SQUARE INCH L L ANGLE LBS POUNDS LG LONG LL LIVE LOAD LLBB LONG LEGS BACK TO BACK LLH LONG LEG HORIZONTAL LLV LONG LEG VERTICAL LOC LOCATION(S) LP LOW POINT LSL LAMINATE STRAND LUMBER LT GA LIGHT GAUGE LTWT LIGHT WEIGHT LVL LAMINATE VENEER LUMBER M M METER MAS MASONRY MATL MATERIAL MAX MAXIMUM MC MISCELLANEOUS CHANNEL MECH MECHANICAL MEP MECHANICAL, ELECTRICAL, PLUMBING MEZZ MEZZANINE MFR MANUFACTURER MIN MINIMUM MISC MISCELLANEOUS MM MILLIMETER MP MASONRY PIER MTL METAL N NA NOT APPLICABLE NB NON-BEARING NBNIC NOT IN CONTRACT NO NUMBER NOM NOMINAL NS NEAR SIDE NTS NOT TO SCALE O O/O OUT TO OUT OC ON CENTER OD OUTSIDE DIAMETER OF OUTSIDE FACE OH OPPOSITE HAND OPG OPENING OPP OPPOSITE OSB ORIENTED STRAND BOARD OWSJ OPEN WEB STEEL JOIST	P PB POST-TENSIONED BEAM P/C PRECAST CONCRETE PAF POWER ACTUATED FASTENER PCF POUNDS PER CUBIC FOOT PCI PRESTRESSED CONCRETE INSTITUTE PDF POWER DRIVEN FASTENER PERP PERPENDICULAR PJP PARTIAL JOINT PENETRATION PL PLATE PLF POUNDS PER LINEAL FOOT PLMB PLUMBING PNT POINT PREFAB PREFABRICATED PROJ PROJECTION PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PSL PARALLEL STRAND LUMBER PT POST TENSIONED PT PRESSURE TREATED LUMBER PUR PURLIN PVC POLYVINYL CHLORIDE Q QTY QUANTITY R R RADIUS RC REINFORCED CONCRETE RD ROOF DRAIN REF REFERENCE REINF REINFORCING (REINFORCEMENT) REQD REQUIRED REV REVISION RF ROOF RFI REQUEST FOR INFORMATION RM ROOM RO ROUGH OPENING RW RETAINING WALL S SBC SOIL BEARING CAPACITY SC SLIP CRITICAL (BOLTS) SCHED SCHEDULE SDI STEEL DECK INSTITUTE SECT SECTION SEOR STRUCTURAL ENGINEER OF RECORD SF SQUARE FEET SHT SHEET SHTG SHEATHING SIM SIMILAR SJ STEEL JOIST INSTITUTE SL SNOW LOAD SLBB SHORT LEGS BACK TO BACK SOG SLAB ON GRADE SP SOUTHERN PINE SPA SPACE (S) / SPACING SPEC S SPECIFICATIONS SPF SPRUCE PINE FIR SQ SQUARE SQ FT SQUARE FEET SQ IN SQUARE INCH SS STAINLESS STEEL STD STANDARD STIFF STIFFENER STL STEEL STFR STOREFRONT STR STRUCTURAL SUP SUPPORT SY SQUARE YARD SYM SYMMETRICAL SYP SOUTHERN YELLOW PINE T T THICKNESS T&B TOP AND BOTTOM TJ TOP OF T/BM TOP OF BEAM TD TRENCH DRAIN T/SLAB TOP OF SLAB T/STL TOP OF STEEL THRU THROUGH TJ TIE JOIST TYP TYPICAL U UNO UNLESS NOTED OTHERWISE V VEF VERTICAL EACH FACE VERT VERTICAL VIF VERIFY IN FIELD VOL VOLUME W W WIDE FLANGE W/ WITH W/O WITH OUT WD WOOD WL WIND LOAD WP WORK POINT WT WEIGHT WWF WELDED WIRE FABRIC X X-BRACE CROSS BRACING Y YD YARD
SEE STRUCTURAL SYMBOLS, LEGENDS, AND SCHEDULES FOR ADDITIONAL ABBREVIATIONS. ALL ABBREVIATIONS, SYMBOLS, AND LEGENDS SHOWN ARE NOT NECESSARILY USED.		

GENERAL REFERENCE SYMBOLS	
DETAIL VIEW 	REVISION NUMBER AND EXTENT 
SECTION 	MATCH LINE REFERENCES 
FRAMING ELEVATION 	DRAWING TITLE SYMBOLS 
FRAMING ELEVATION 	LAYOUT GRID LINES 
LEVEL LINE 	NORTH ARROW 

STRUCTURAL FOUNDATION PLAN SYMBOLS	
SPREAD FOOTING MARK 	STRIP FOOTING MARK 
DRILLED PIER MARK 	RETAINING WALL MARK 
PILE CAP MARK 	
	
	
	

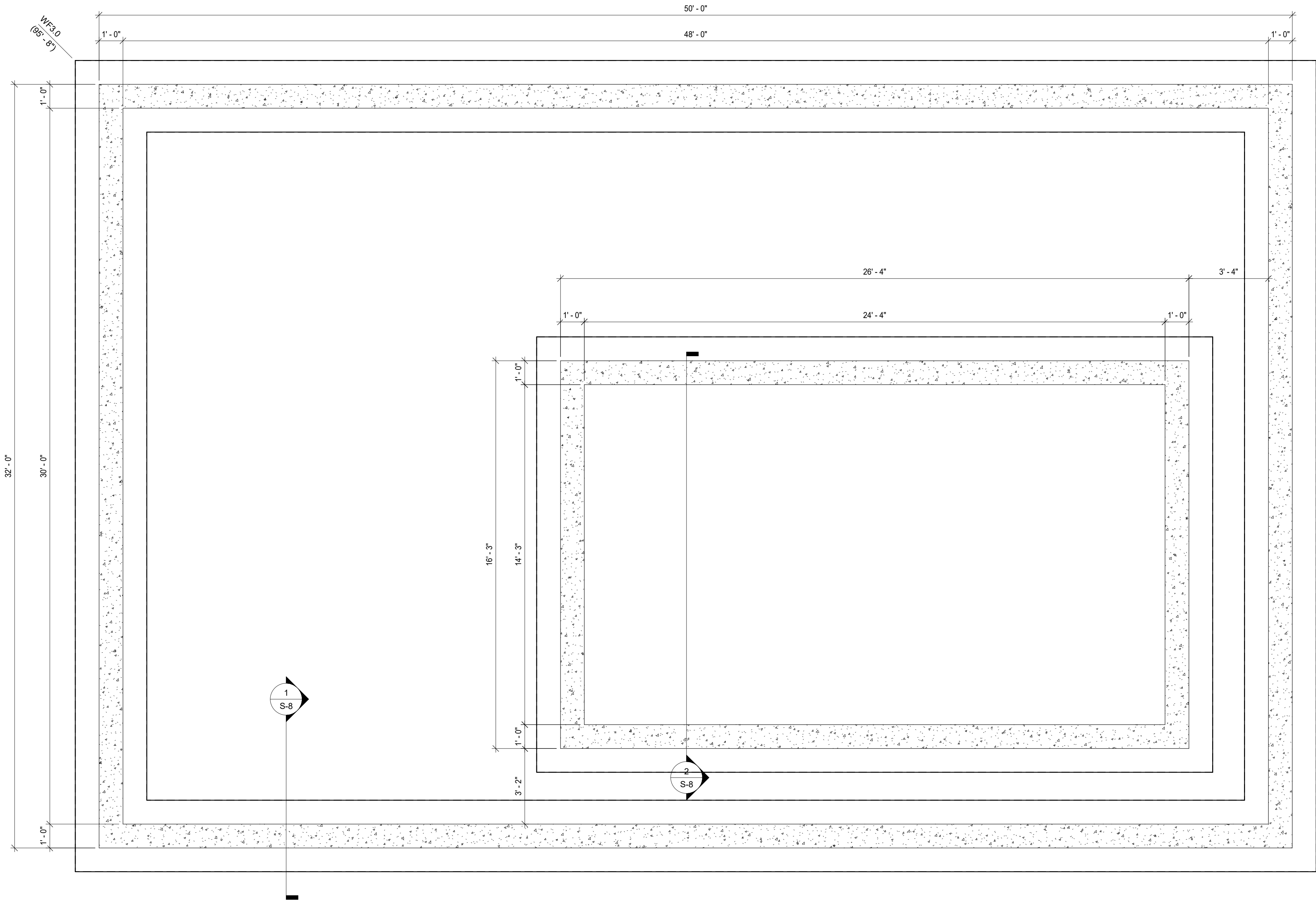
STRUCTURAL FRAMING PLAN SYMBOLS	
COLUMN AND POST SYMBOLS	BEAM NOMENCLATURE
<div><p>W10x31</p><p>WIDE FLANGE COLUMN DESIGNATION</p></div> <div><p>HSS36x31/4</p><p>HSS COLUMN DESIGNATION</p></div> <div><p>6x6</p><p>WOOD POST DESIGNATION</p></div>	<div></div> <div></div>
TRUSS AND SWAY FRAME NOMENCLATURE	
<div><p>B#</p><p>BEAM MARK</p></div> <div><p>J#</p><p>JOIST MARK</p></div> <div><p>SP#</p><p>SPECIAL JOIST MARK</p></div> <div><p>T#</p><p>TRUSS MARK</p></div> <div><p>HORIZONTAL BRIDGING</p></div> <div><p>DIAGONAL BRIDGING</p></div> <div><p>KICKER BRACING</p></div> <div><p>SPLICE CONNECTION</p></div>	DECK AND SLAB SYMBOLS
<div><p>JOIST GIRDER DESIGNATION</p><p>JOIST GIRDER DEPTH IN INCHES</p><p>NUMBER OF JOIST SPACES</p><p>UNFACTORED POINT LOAD IN KIPS</p><p>48G14N10K</p></div> <div><p>COLDFORM MEMBER DESIGNATION</p><p>STUD DEPTH IN MILS</p><p>S=STUD, T=TRACK, U=CHANNEL</p><p>FLANGE WIDTH IN MILS</p><p>THICKNESS GAUGE IN MILS</p><p>362S162-54</p></div> <div><p>MASONRY WALL REINFORCING DESIGNATION</p><p>NOMINAL WALL THICKNESS IN INCHES</p><p>S=STD LADDER JT REINF, H=HEAVY JT REINF</p><p>REBAR</p><p>LAST TWO DIGITS INDICATE REBAR SPACING IN INCHES</p><p>8S532</p></div>	<div><p>CHANGE IN SLAB ELEVATION (± FROM ESTABLISHED ELEVATION)</p></div> <div><p>RD-#</p><p>ROOF DECK MARK</p><p>SPAN DIRECTION</p></div> <div><p>CS-#</p><p>COMPOSITE SLAB MARK</p><p>SPAN DIRECTION</p></div> <div><p>FS-#</p><p>SLAB ON FORMED DECK MARK</p><p>SPAN DIRECTION</p></div> <div><p>S-#</p><p>ONE-WAY CONCRETE SLAB MARK</p><p>SPAN DIRECTION</p></div> <div><p>PC-#</p><p>PRECAST-PRESTRESSED HOLLOW CORE PANEL MARK</p><p>SPAN DIRECTION</p></div>
LATERAL FORCE RESISTING ELEMENT DESIGNATIONS	
<div><p>BRACING ABOVE BEAM</p><p>BF#</p></div> <div><p>BRACING BELOW BEAM</p></div> <div><p>INDICATES BOT FLANGE BRACE</p><p>MF#</p></div> <div><p>MOMENT FRAME MARK</p></div>	<div><p>± 20k</p></div> <div><div>INDICATE LRFD OR ASD</div><p>AXIAL LOAD IN BRACE + = TENSION - = COMPRESSION</p></div>
STRUCTURAL ROOF FRAMING PLAN SYMBOLS	
<div><p>DESIGNATES ROOF (DUCT / HATCH) OR FLOOR OPENING (STAIR / ELEVATOR / SHAFTS)</p></div> <div><p>RTU-1 1500# MAX</p><p>DESIGNATES ROOF TOP UNIT ON CURB</p></div>	<div><p>CU-1 500# MAX</p><p>DESIGNATES CONDENSING UNIT ON RAILS</p></div> <div><p>AHU-1 500# MAX</p><p>DESIGNATES SUSPENDED AIR HANDLING UNIT</p></div>
STRUCTURAL WALL PLAN SYMBOLS	
<div><p>PL#</p><p>PRECAST LINTEL IN MASONRY WALL</p></div> <div><p>SL#</p><p>STEEL LINTEL IN MASONRY WALL</p></div> <div><p>ML#</p><p>MASONRY LINTEL IN MASONRY WALL</p></div> <div><p>H#</p><p>MULTIPLY HEADER IN WOOD STUD WALL</p></div> <div><p>BB#</p><p>BOXED BEAM HEADER IN CFMF STUD WALL</p></div>	<div><p>BEARING WALL ABOVE BEAM</p></div> <div><p>CONCRETE / WOOD / CFMF BEARING WALL</p></div> <div><p>MASONRY BEARING WALL</p></div> <div><p>EXISTING BEARING WALL</p></div> <div><p>NON-BEARING WALL</p></div> <div><p>CW#</p><p>CONCRETE SHEAR WALL MARK</p></div> <div><p>MW#</p><p>MASONRY SHEAR WALL MARK</p></div> <div><p>SW#</p><p>WOOD SHEAR WALL MARK</p></div>

 County of Summit Department of Sanitary Sewer Services 1180 South Main Street, Suite 201 Akron, Ohio 44301 Phone: 330-926-2444 Fax: 330-926-2531		164 S MAIN STREET AKRON, OHIO 44308	
Environmental Sustainability		Project # Q-208	
Village of Peninsula		BY	
06/03/25 100% CD		MARK DATE DESCRIPTION	
PROJECT NO: J20240151.000		DWG FILE:	
DRAWN BY: MJ		DATE: 06/03/25	
DESIGNED BY: MJ		CHECKED BY: JWP	
APPROVED BY: MF		SHEET TITLE	
ABBREVIATIONS AND SYMBOLS		SG-4	



1111 Superior Avenue, Suite 2100 | Cleveland, OH 44114
(216) 881-3300 www.osborn-eng.com

100% SUBMITTAL



FOUNDATION PLAN NOTES:

- REFERENCES:
GENERAL NOTES: SG-1 - SG-4
- VERIFY ALL ELEVATIONS AND DIMENSIONS SHOWN WITH ARCHITECTURAL DRAWINGS AND EQUIPMENT SUPPLIERS SHOP DRAWINGS PRIOR TO ANY FABRICATION AND INSTALLATION OF STRUCTURAL STEEL.
- COORDINATE ALL FOUNDATION THICKNESSES WITH ARCHITECTURAL WALL CONSTRUCTION.
- ELEVATIONS:
A. TOP OF RECESSED SLAB = 95'-8"
- SLAB CONSTRUCTION:
A. 24" CONCRETE SLAB ON GRADE WITH #6 BARS AT 10" OC EACH WAY, TOP AND BOTTOM (SEE GEOTECHNICAL REPORT AND GENERAL NOTES).
B. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR ANY DEPRESSIONS, FLOOR DRAINS, TRENCHES ETC.
C. TO BE SUPPORTED ON COMPACTED EXISTING FILL OR NEW ENGINEERED FILL TO THE RECOMMENDATION, SATISFACTION AND APPROVAL OF THE GEOTECHNICAL ENGINEER.
D. PROVIDE (2#4 x 3'-0" AT ALL RE-ENTRANT CORNERS AND DISCONTINUOUS CONTROL JOINTS TYP UNO.
- STRIP AND SPREAD FOOTING:
A. ALL EXTERIOR FOOTINGS TO EXTEND A MINIMUM OF 42" BELOW FINISHED GRADE FOR FROST DEPTH.
B. ELEVATIONS SHOWN ON FOOTING INDICATE TOP OF FOOTING.
C. ADEQUATELY STEP FOOTING TO AVOID UNDERMINING.
- CONSTRUCTION:
A. NO FOUNDATION CONCRETE SHALL BE POURED PRIOR TO INSPECTION AND APPROVAL OF SOIL BEARING CAPACITY BY GEOTECHNICAL ENGINEER.
B. KEEP ALL FOUNDATIONS FREE OF WATER AT ALL TIMES.
C. WEAKENED SOIL TO BE REPLACED WITH LEAN CONCRETE.
D. BACKFILL GRADATION AND COMPACTIONS SHALL BE INSPECTIONED AND APPROVED BY GEOTECHNICAL ENGINEER.
- UNDERGROUND UTILITIES:
A. COORDINATION SIZE, QUANTITY, LOCATION AND INVERT ELEVATION WITH MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DRAWINGS PRIOR TO FOUNDATION WORK.
B. SEE TYPICAL FOUNDATIONS FOR ADDITIONAL INFORMATION.
- SEE CIVIL DRAWING C-1 FOR SOIL CONSOLIDATION INFORMATION.

WALL STRIP FOOTING SCHEDULE

MARK	SIZE		REINFORCING	REMARKS
	WIDTH	DEPTH		
WF3.0	3' - 0"	1' - 6"	CONT. (4)#6 TOP & BOT	LAT BARS #6@24" T&B



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	100% CD DESCRIPTION	BY

PROJECT NO: J20240151.000

DWG FILE:

DRAWN BY: MJ

DATE: 06/03/25

DESIGNED BY: MJ

CHECKED BY: JWP

APPROVED BY: MF

SHEET TITLE

FOUNDATION PLAN

S-1

1

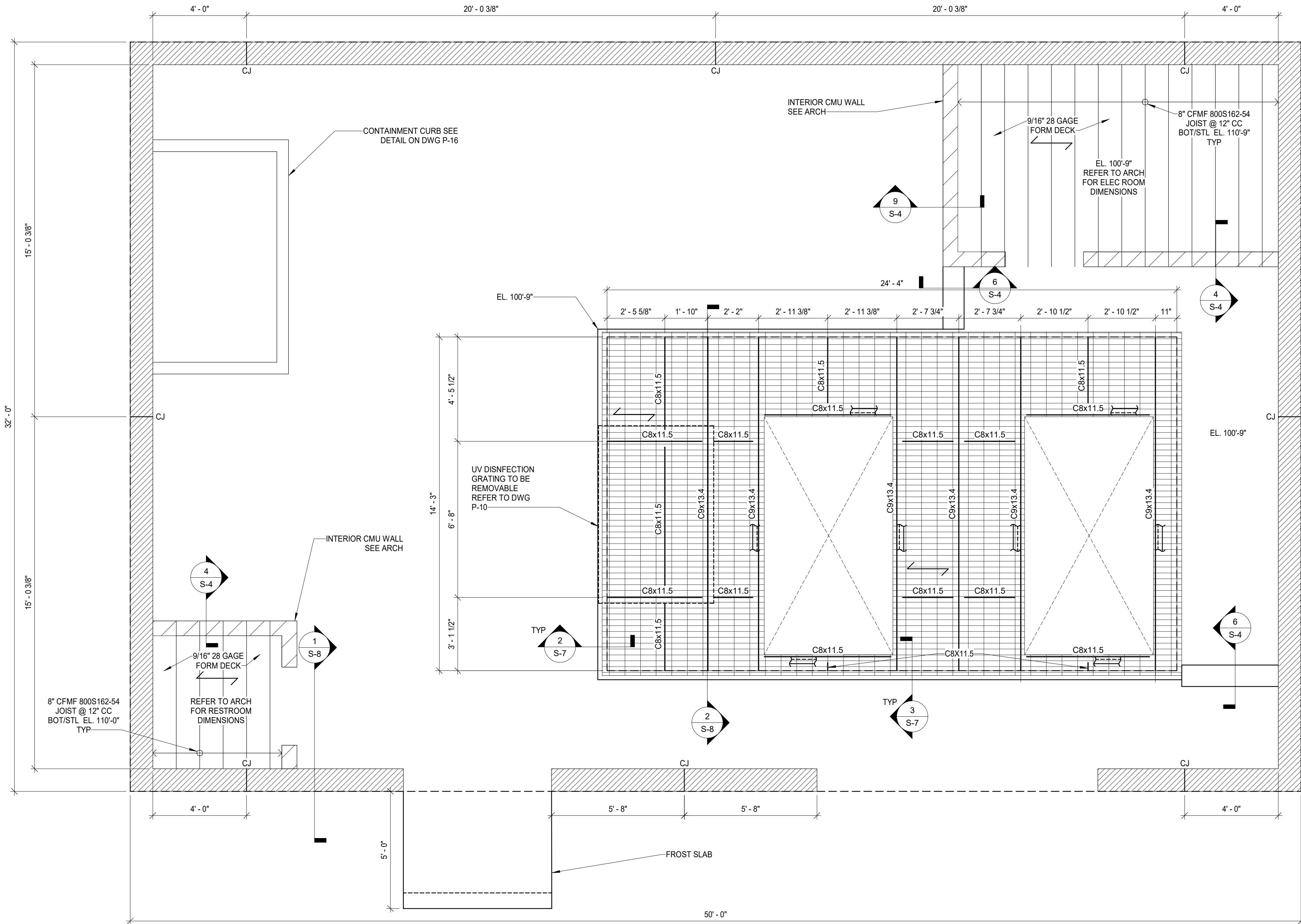
FOUNDATION PLAN

SCALE: 3/8" = 1'-0"

100% SUBMITTAL



1111 Superior Avenue, Suite 2100 | Cleveland, OH 44114
(216) 881-2020
www.osborn-eng.com

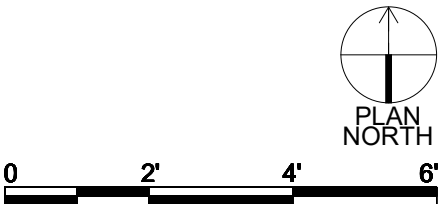


FLOOR FRAMING NOTES

- REFERENCES:
GENERAL NOTES - SG-1- SG-4
- VERIFY ALL ELEVATIONS AND DIMENSIONS SHOWN WITH ARCHITECTURAL DRAWINGS AND EQUIPMENT SUPPLIERS SHOP DRAWINGS PRIOR TO FABRICATION AND INSTALLATION OF STRUCTURAL STEEL.
- ELEVATIONS:
A. TOP OF FLOOR SLAB = 100'-0" EQUALS SITE ELEVATION = 697'-3"
- FLOOR SLAB CONSTRUCTION:
A. 24" CONCRETE SLAB ON GRADE WITH #6 BARS AT 10" OC EACH WAY, TOP AND BOTTOM (SEE GEOTECHNICAL REPORT AND GENERAL NOTES).
B. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR ANY DEPRESSIONS, FLOOR DRAINS, TRENCHES ETC.
C. TO BE SUPPORTED ON COMPACTED EXISTING FILL OR NEW ENGINEERED FILL TO THE RECOMMENDATION, SATISFACTION AND APPROVAL OF THE GEOTECHNICAL ENGINEER.
D. PROVIDE 2#4 x 3'-0" AT ALL RE-ENTRANT CORNERS AND DISCONTINUOUS CONTROL JOINTS TYP UNO.
- FLOOR GRATING CONSTRUCTION:
A. GRATING TO BE 1 1/2" W-19-4 STEEL BAR GRATING.
B. STEEL GRATING TO BE HOT DIPPED GALVANIZED.
C. PROVIDE BANDED OPENINGS IN GRATING FOR VALVE OPERATION PER PIPING SHEETS. REFER TO DWG P-10.
- CONSTRUCTION:
A. NO FOUNDATION CONCRETE SHALL BE POURED PRIOR TO INSPECTION AND APPROVAL OF SOIL BEARING CAPACITY BY GEOTECHNICAL ENGINEER.
B. KEEP ALL FOUNDATIONS FREE OF WATER AT ALL TIMES.
C. WEAKENED SOIL TO BE REPLACED WITH LEAN CONCRETE.
D. BACKFILL GRADATION AND COMPACTIONS SHALL BE INSPECTED AND APPROVED BY GEOTECHNICAL ENGINEER.
- UNDERGROUND UTILITIES:
A. COORDINATION SIZE, QUANTITY, LOCATION AND INVERT ELEVATION WITH MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DRAWINGS PRIOR TO FOUNDATION WORK.
B. SEE TYPICAL FOUNDATIONS FOR ADDITIONAL INFORMATION.
- COORDINATION:
A. NOTIFY EOR OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO FABRICATION AND/OR INSTALLATION.
B. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR SIZE, QUANTITY AND LOCATION OF FLOOR AND WALL OPENINGS.
C. SEE ARCHITECTURAL DRAWINGS FOR ALL EDGE OF SLAB LOCATIONS AND DOOR LOCATIONS.

1 LEVEL 01/FLOOR PLAN
SCALE: 3/8" = 1'-0"

100% SUBMITTAL



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

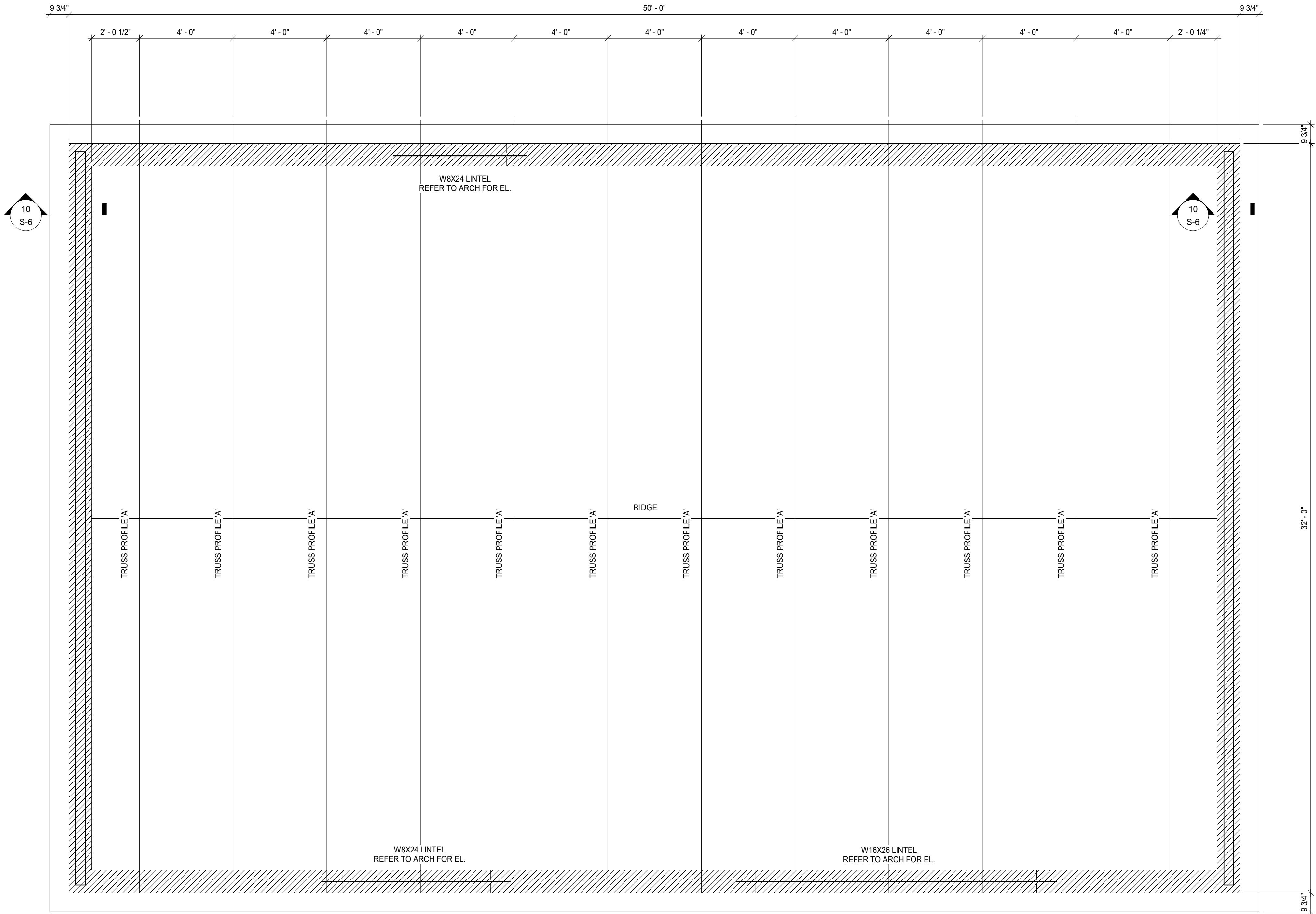
MARK	DATE	100% CD	DESCRIPTION	BY
	06/03/25			

PROJECT NO: J20240151.000
DWG FILE:
DRAWN BY: MJ
DATE: 06/03/25
DESIGNED BY: MJ
CHECKED BY: JWP
APPROVED BY: MF

SHEET TITLE

FLOOR FRAMING PLAN

S-2

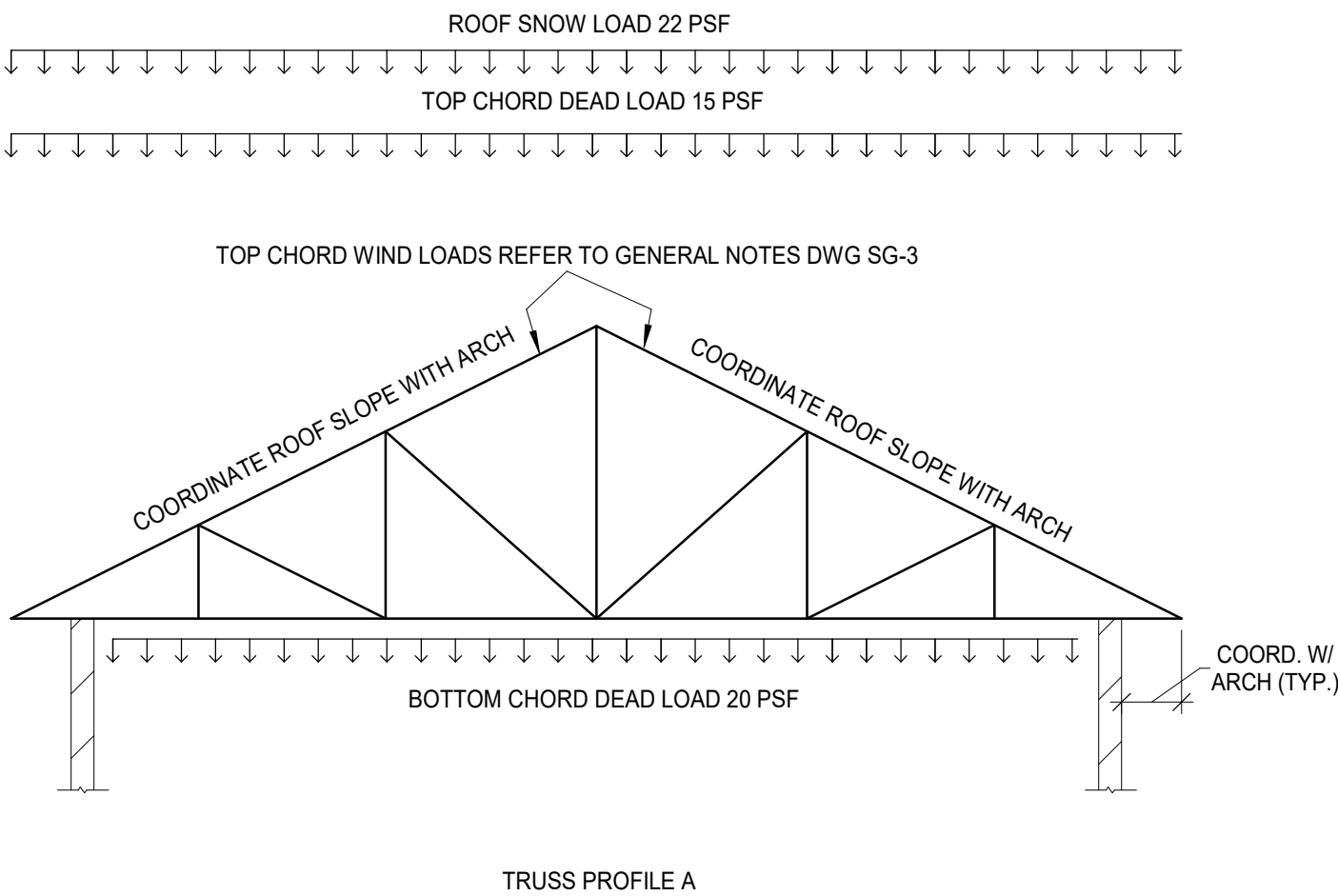


ROOF FRAMING NOTES

- REFERENCES:
 - GENERAL NOTES: SG-1 - SG-4
- VERIFY ALL ELEVATIONS AND DIMENSIONS SHOWN WITH ARCHITECTURAL DRAWINGS AND EQUIPMENT SUPPLIERS SHOP DRAWINGS PRIOR TO FABRICATION AND INSTALLATION OF STRUCTURAL STEEL.
- ELEVATIONS:
 - TOP OF STEEL COORDINATE WITH ARCHITECTURAL.
 - TRUSS BEARING PLATE = 16'-0" ABOVE AFF COORDINATE WITH ARCHITECTURAL.
- ROOF CONSTRUCTION:
 - 1 1/2"x20GA GALVANIZED WIDE RIB METAL ROOF DECK
 - COLD FORMED ROOF TRUSSES - DELEGATED DESIGN.
- CONSTRUCTION:
 - DO NOT SUSPEND ANY MECHANICAL DUCTS, ELECTRICAL OR PLUMBING CONDUITS DIRECTLY FROM THE DECK.
 - ALL EDGES OF ROOF DECK AT OPENINGS MUST BE SUPPORTED.
- COORDINATION:
 - NOTIFY EOR OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO FABRICATION AND/OR INSTALLATION.
 - SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR SIZE, QUANTITY AND LOCATION OF ROOF AND WALL OPENINGS.
 - SEE ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS FOR ALL SIZE, QUANTITY AND LOCATIONS OF ROOF PENETRATIONS.
 - NOTIFY EOR OF ANY CHANGES IN SIZE AND WEIGHT OF MECHANICAL UNITS PRIOR TO FABRICATION AND INSTALLATION OF SUPPORT FRAMING.

LIGHT GAGE ROOF TRUSS NOTES:

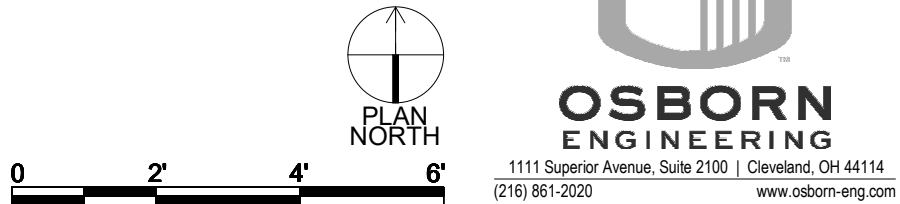
- TRUSS MANUFACTURER IS TO PROVIDE ALL BRACING AND MISCELLANEOUS FRAMING REQUIRED FOR STABILITY OF TRUSSES AND COMPONENTS.
- TRUSS AND CORRIDOR CEILING RAFTER CONNECTIONS DESIGNED AND DETAILED BY LIGHT GAGE SPECIALTY ENGINEER.
- ROOF DIAPHRAGM SHEAR IS 340 POUNDS PER LINEAR FOOT. PROVIDE LIGHT GAGE STEEL FRAMING TO TRANSFER DIAPHRAGM SHEAR FORCE INTO TOP OF TRANSVERSE MASONRY WALL.
- TRUSS GEOMETRY BY LIGHT GAGE SPECIALTY ENGINEER. OVERALL TRUSS HEIGHT BASED ON EAVE ELEVATION WORKPOINTS.
- DEAD LOAD DOES NOT INCLUDE THE WEIGHT OF THE LIGHT GAGE TRUSS OR MISC. FRAMING.
- ALL SUPPLEMENTAL FRAMING REQUIRED TO SUPPORT DUCTS, LIGHTS, PIPES, ETC. MUST BE DESIGNED BY THE CONTRACTORS SPECIALTY ENGINEER AND MUST CONNECT TO THE BOTTOM CHORD WITHIN 2" OF A PANEL POINT.
- BALANCED AND UNBALANCED SNOW LOADS ARE NOT CONCURRENT LOAD CASES.
- ADDITIONAL LOADS ARE SHOWN ON INDIVIDUAL TRUSS DIAGRAMS.



1 ROOF PLAN
SCALE: 3/8" = 1'-0"

2 ROOF TRUSS PROFILE
SCALE: NONE

100% SUBMITTAL



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

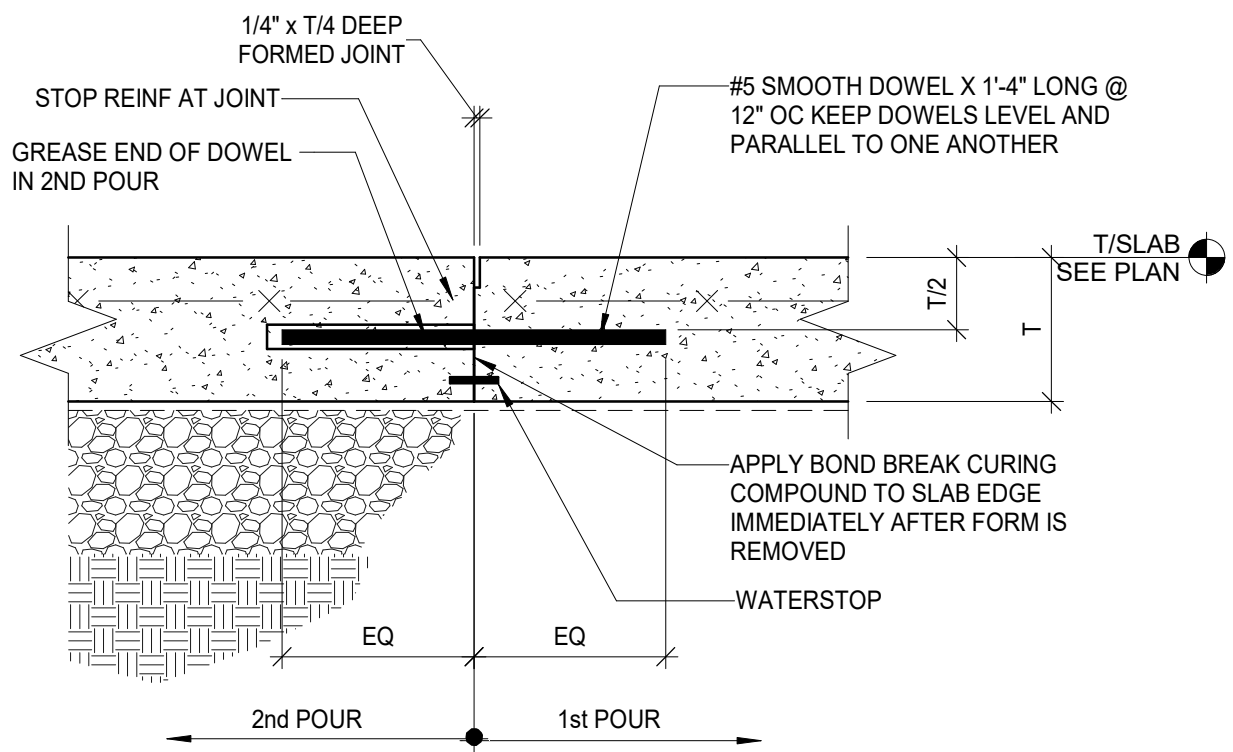
MARK	DATE	100% CD	DESCRIPTION	BY
	06/03/25			
PROJECT NO: J20240151.000				
DWG FILE:				
DRAWN BY:			MJ	
DATE:			06/03/25	
DESIGNED BY:			MJ	
CHECKED BY:			JWP	
APPROVED BY:			MF	

SHEET TITLE

ROOF FRAMING PLAN

S-3

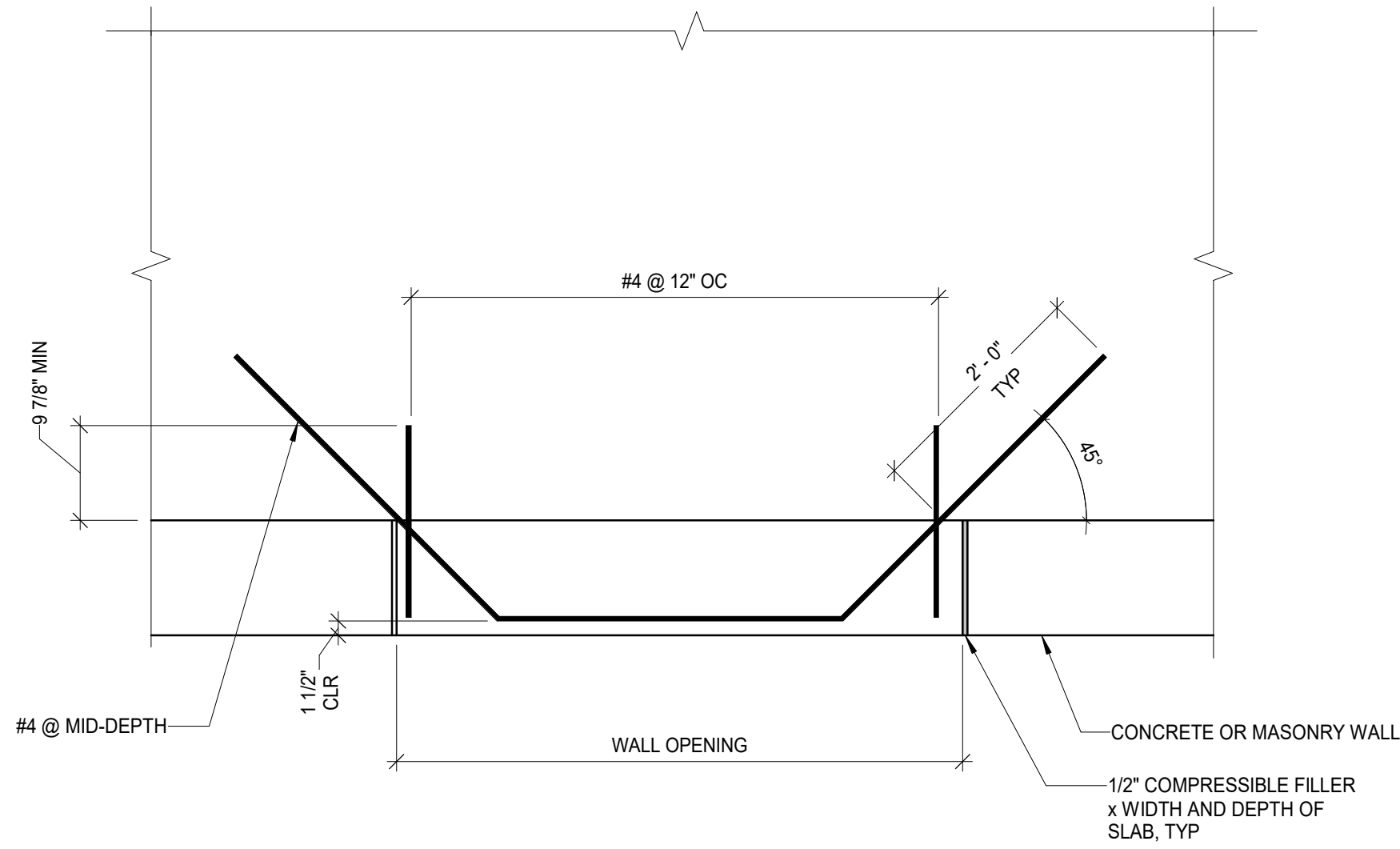




CONSTRUCTION JOINT

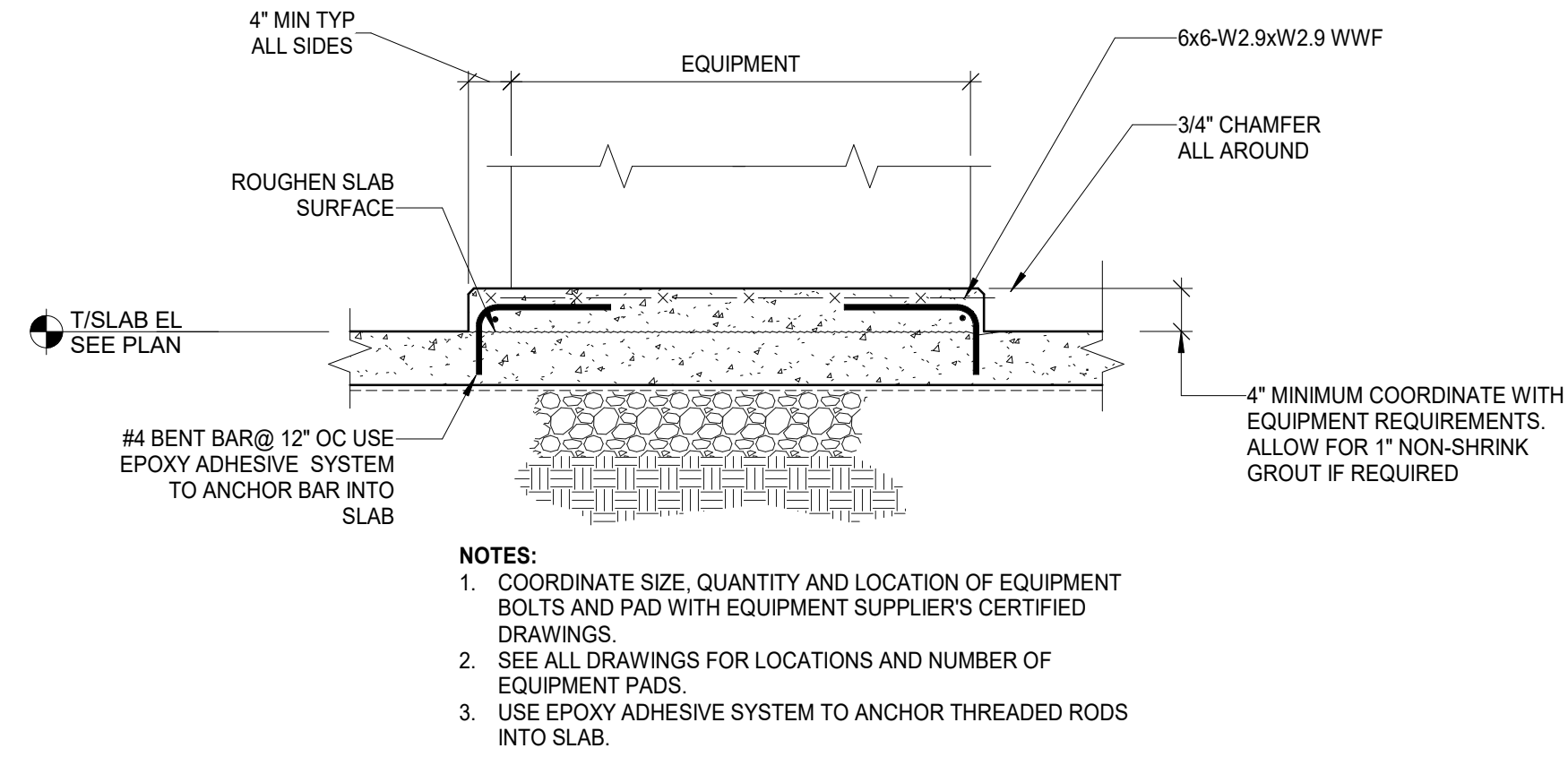
1

SLAB ON GRADE CONSTRUCTION JOINT
SCALE: NONE



2

TYPICAL SLAB ON GRADE REINF AT DOOR OPENING
SCALE: NONE



3

TYPICAL HOUSE KEEPING PAD
SCALE: NONE



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308
B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	100% CD DESCRIPTION	BY
	06/03/25		

PROJECT NO:	J20240151.000
DWG FILE:	
DRAWN BY:	MJ
DATE:	06/03/25
DESIGNED BY:	MJ
CHECKED BY:	JWP
APPROVED BY:	MF

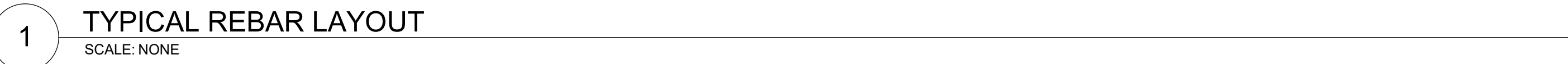
SHEET TITLE

TYPICAL CONCRETE
DETAILS

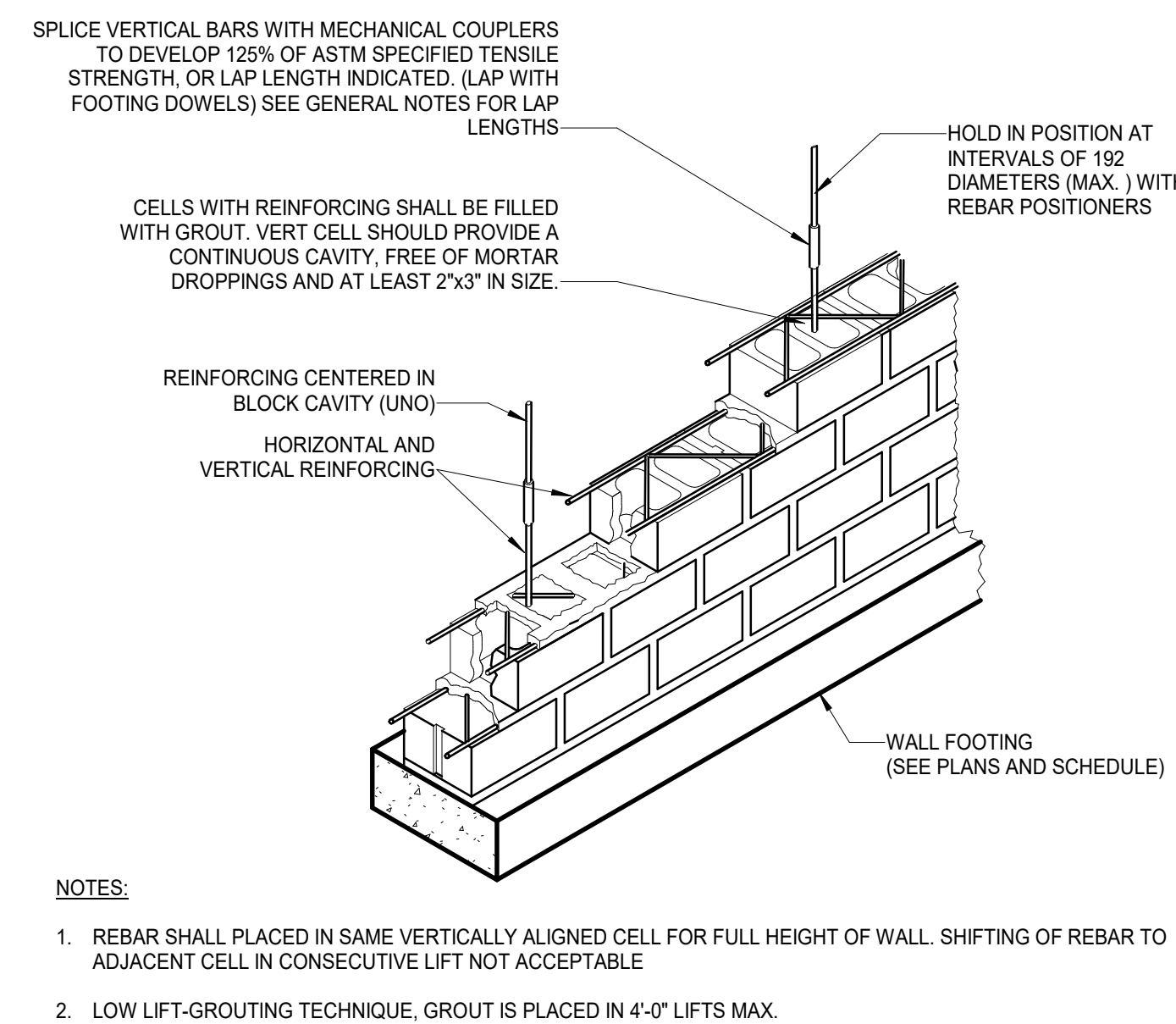
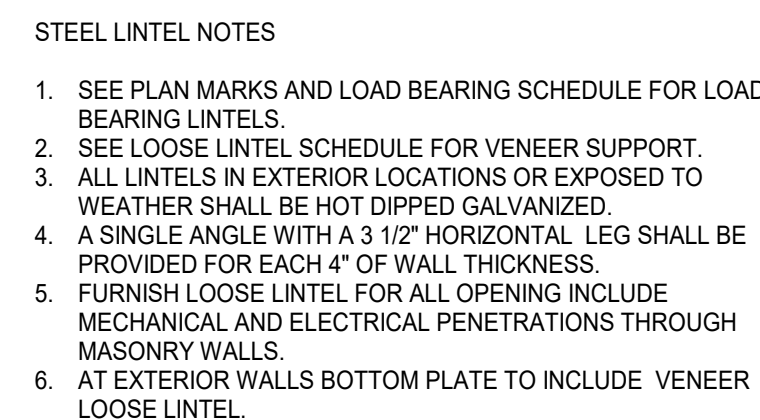
S-5

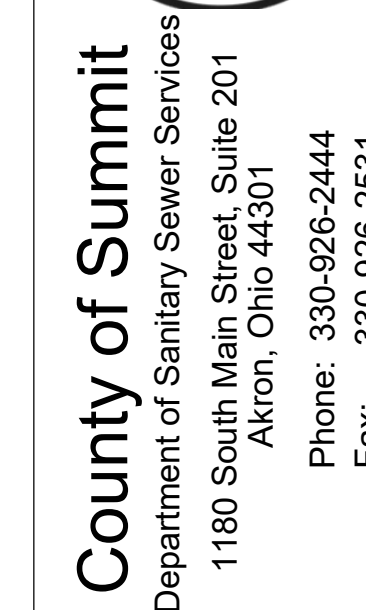


100% SUBMITTAL



8 TYPICAL BOND BEAM
SCALE: NONE





B&N
burgessniple.com

Village of Peninsula

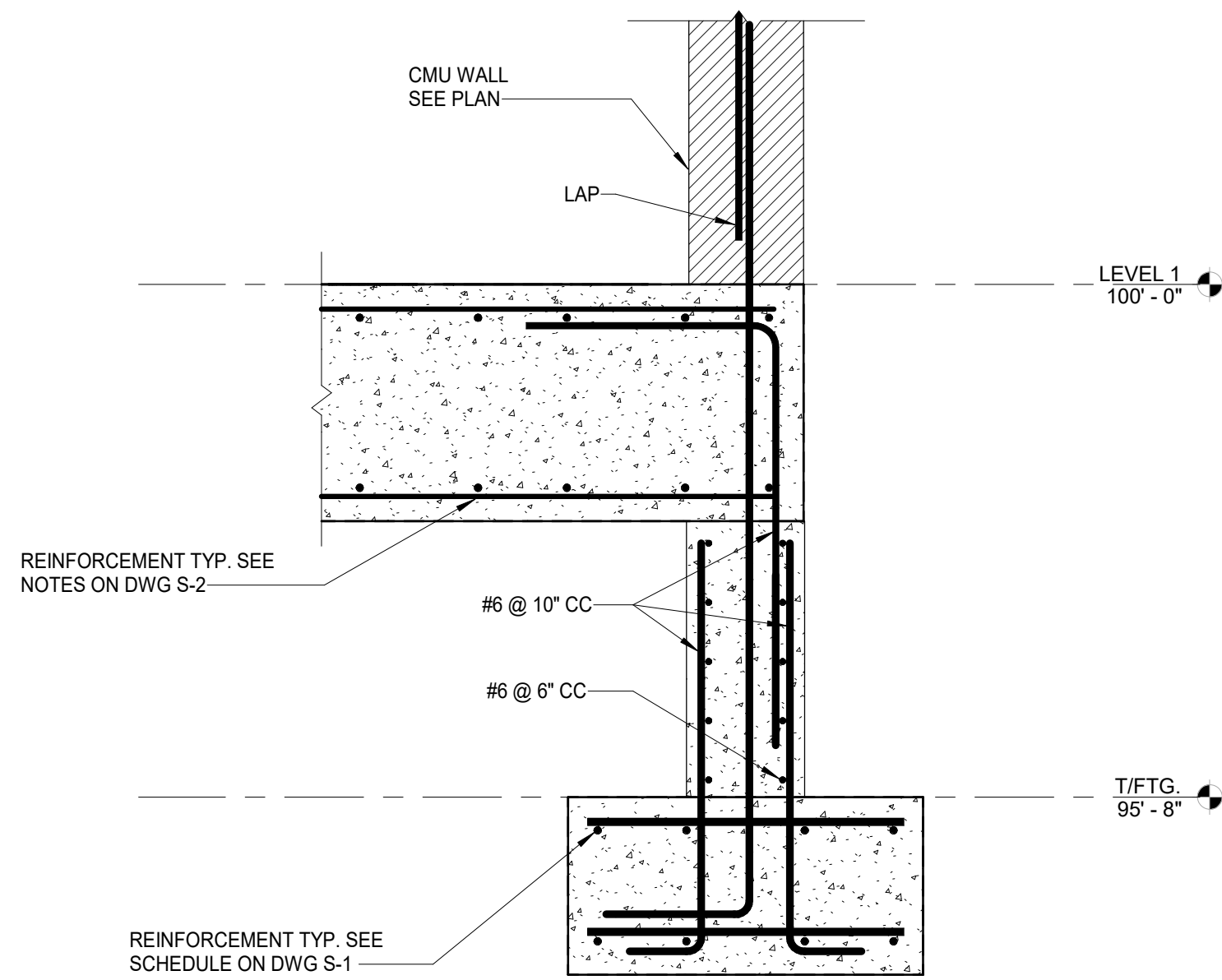
[illegible]

CHECKED BY:	JWF
APPROVED BY:	ME

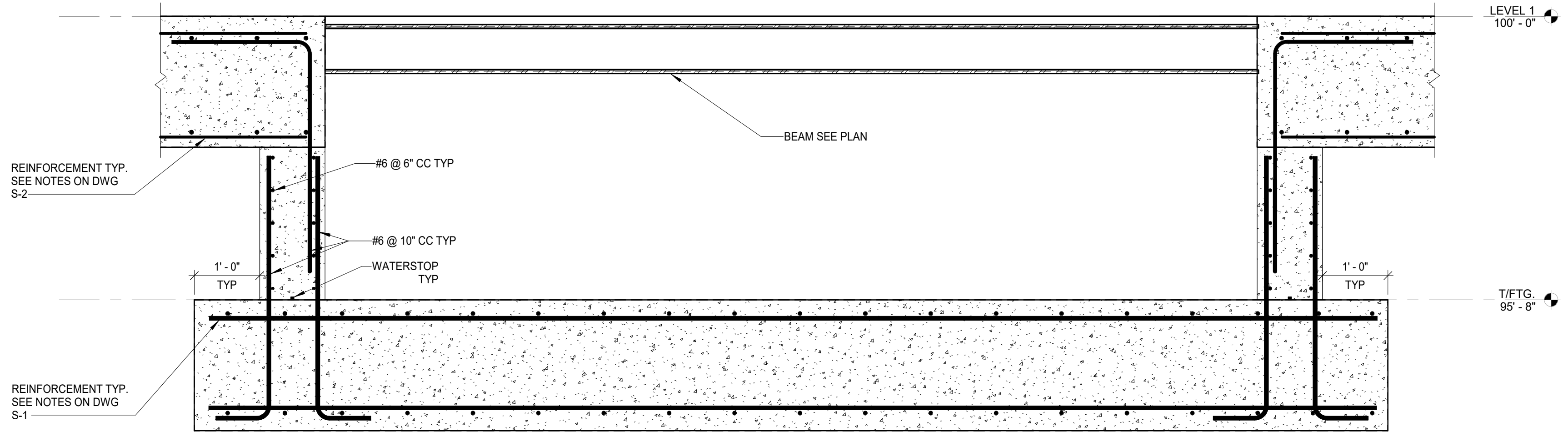
TYPICAL STEEL DETAILS



S-7



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



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



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308
B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	100% CD DESCRIPTION	BY

PROJECT NO:	J20240151.000
DWG FILE:	
DRAWN BY:	MJ
DATE:	06/03/25
DESIGNED BY:	MJ
CHECKED BY:	JWP
APPROVED BY:	MF

SHEET TITLE

FOUNDATION SECTIONS



100% SUBMITTAL

S-8

DX SPLIT SYSTEM SCHEDULE											
TYPE	MARK	AC MODEL	CU MODEL	TOTAL BTUH	REF. TYPE	EER2	AIRFLOW CFM	V/PH/Hz	MCA	MOCP	NOTES
AC	1	FTK24BXVJU	RK24BXVJU	21200	R410a	12.2	605	208/1/60	16.55	20	1,2,3

NOTES:
1. PROVIDE WALL MOUNTED CONTROLLER. REMOTE CONTROLLER NOT ACCEPTABLE.
2. BASIS OF DESIGN: DAIKIN.
3. COOLING ONLY.

GAS FIRED UNIT HEATER SCHEDULE											
TYPE	MARK	MFR	MODEL	INPUT BTUH	OUTPUT BTUH	AIRFLOW CFM	HP	FLA	MOCP	V/PH/Hz	NOTES
UH	1	REZNOR	UBXC-60	60000	49200	1012	1/3	7.1	15	115/1/60	1,2
UH	2	REZNOR	UBXC-60	60000	49200	1012	1/3	7.1	15	115/1/60	1,2

NOTES:
1. PROVIDE WITH FACTORY INSTALLED DISCONNECT SWITCH.
2. PROVIDE WITH CC1 CATEGORY III VENT CAP. VENT PIPING SHALL BE CATEGORY III.

LOUVER SCHEDULE								SELECTION BASED ON		
TYPE	MARK	SIZE	FREE AREA %	AREA SERVED	MANUFACTURER	MODEL	REMARKS			
L	1	92x34	42.1	UTILITY HOUSE	GREENHECK	EHH-401	1, 2, 3			

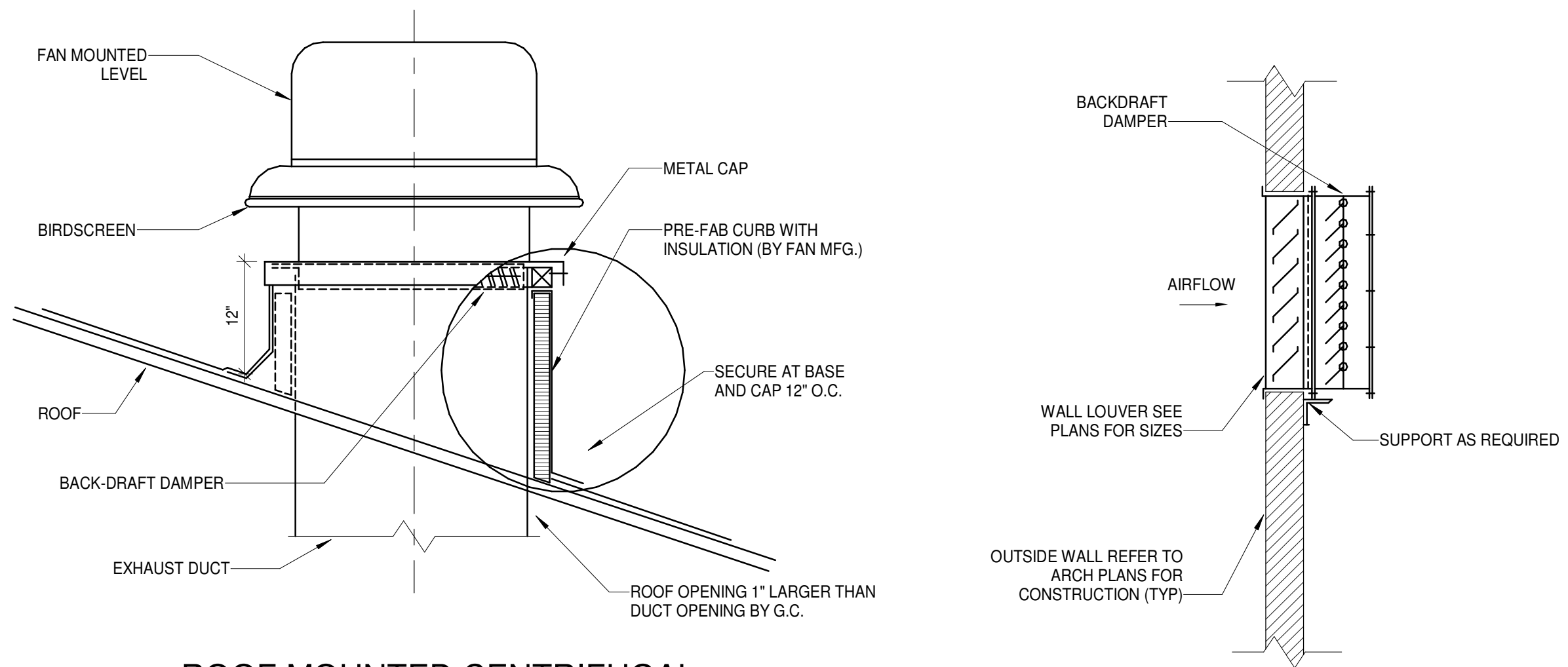
NOTES:
1. FURNISH AND INSTALL BACKDRAFT DAMPER.
2. PROVIDE WITH ALUMINUM BIRDSCREEN.
3. 5,000 CFM @ 546 FPM AND 0.06 IN WG PRESSURE DROP.

EXHAUST FAN SCHEDULE																		
TAG		TYPE	LOCATION	INTERLOCK WITH	ACTUAL AIRFLOW, CFM	DESIGN AIRFLOW, CFM	ESP. (IN. WC)	RPM	MOTOR DATA					SOUND RATING (SONES)	SELECTION BASED ON		WEIGHT	NOTES
EQUIP	MARK								DRIVE	POWER, HP	VOLTAGE	PHASE	FLA, AMPS		MANUFACTURER	MODEL		
EF	1	CENTRIF.	ROOF	THERMOSTAT	5000	5000	0.5	1182	DIRECT	2	208	1	12.5	17	Greenheck	G-200-VG	157	1,2,3
EF	2	CEILING	RESTROOM	LIGHT SWITCH	75	75	0.3	900	DIRECT	15 W	115	1	0.17	0.5	Greenheck	SP-A90	12	1,2,4

NOTES:
1. PROVIDE GRAVITY BACKDRAFT DAMPER FROM FACTORY.
2. PROVIDE INTEGRAL DISCONNECT FROM FACTORY.
3. PROVIDE PITCHED ROOF CURB.
4. PROVIDE WHITE CEILING GRILLE.

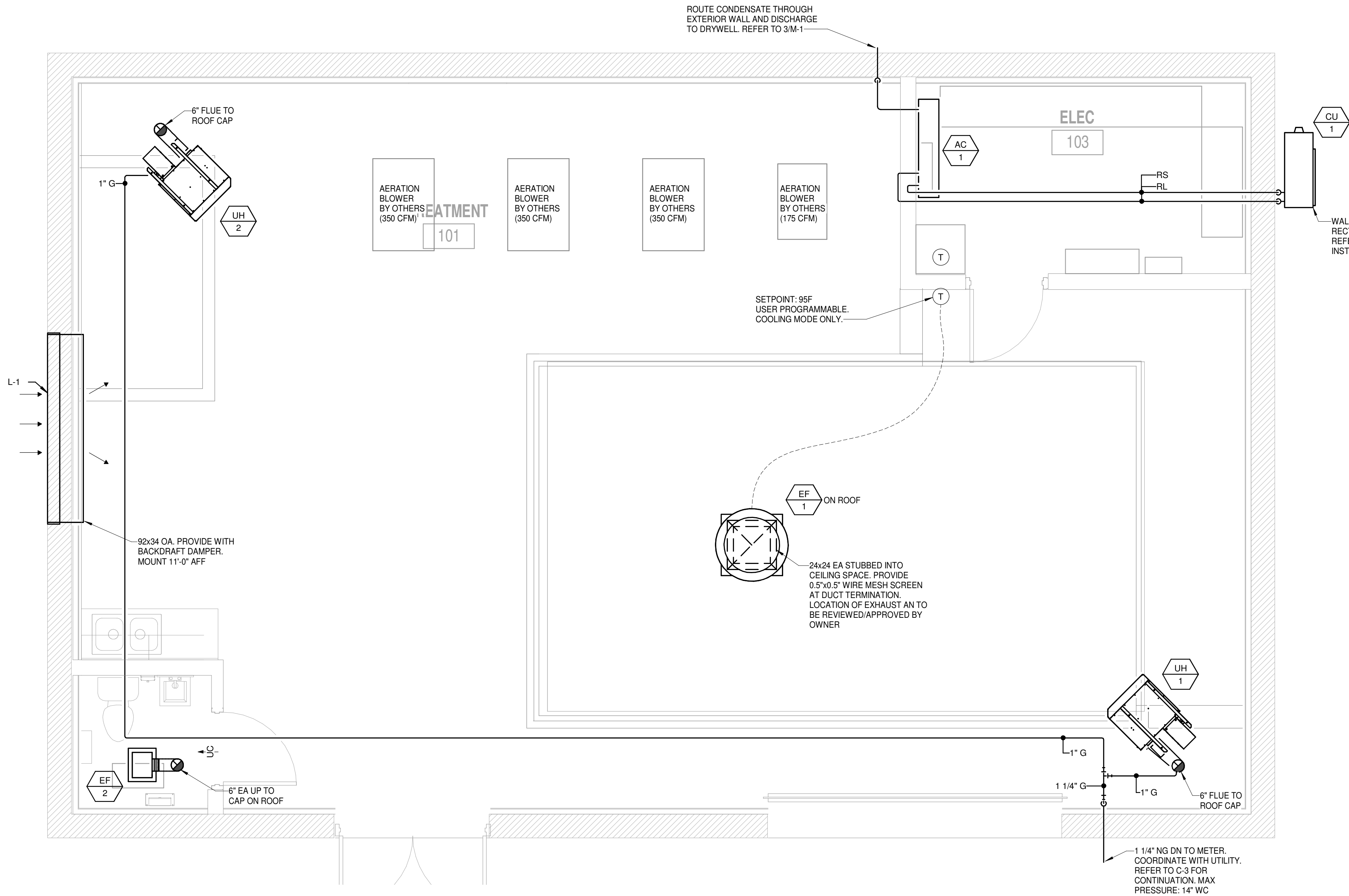
GENERAL SHEET NOTES

- THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION AND PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY OFFSETS AND FITTINGS WHICH MAY BE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER CONDITIONS.
- THE CONTRACTOR SHALL PROVIDE MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.
- THE CONTRACTOR SHALL COORDINATE FLOOR, WALL, AND ROOF PENETRATIONS, LOUVER SIZES, ETC. WITH THE GENERAL CONTRACTOR.
- THE CONTRACTOR SHALL VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY WORK.
- DUCTWORK, PIPING OR ANY OTHER MECHANICAL SYSTEM COMPONENT SHALL NOT BE LOCATED OVER THE TOP OF ANY ELECTRICAL PANELS OR EQUIPMENT.
- CONTRACTOR TO COORDINATE AND VERIFY THERMOSTAT LOCATIONS WITH THE GENERAL CONTRACTOR PRIOR TO INSTALLATION.

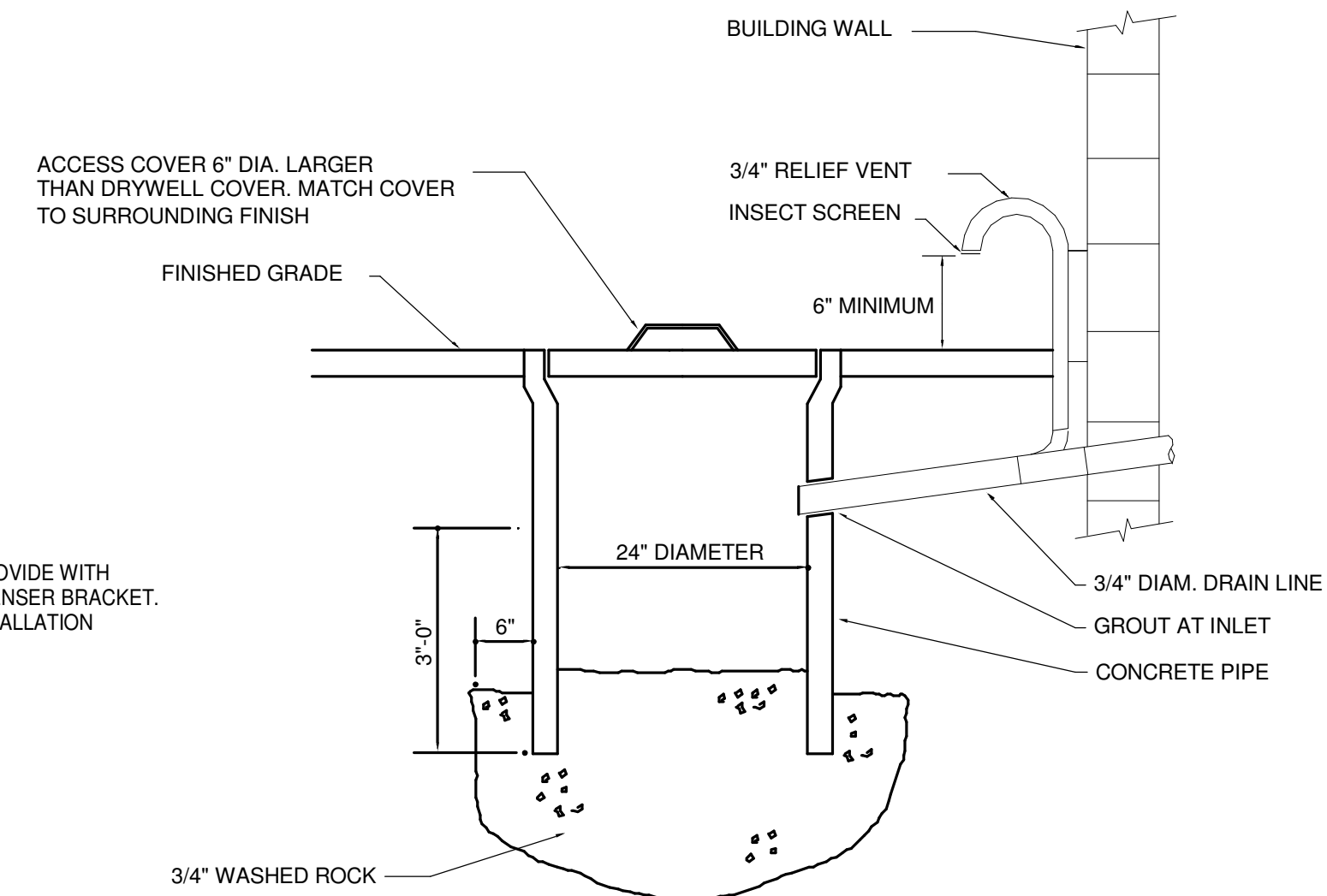


5 ROOF MOUNTED CENTRIFUGAL EXHAUST FAN FOR SLOPED ROOF
SCALE: NONE

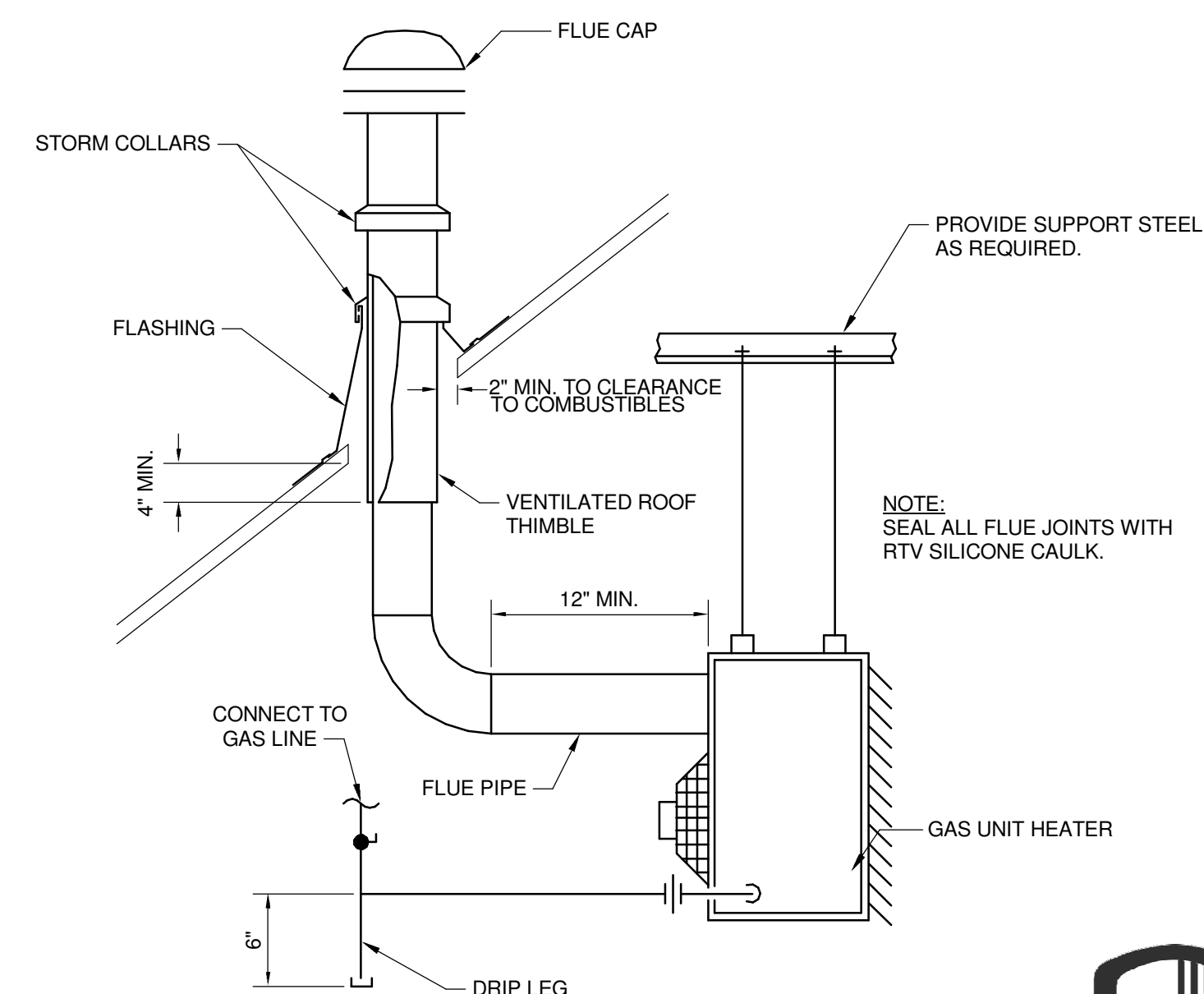
4 LOUVER W/ BACKDRAFT DAMPER
SCALE: NONE



1 OVERALL MECHANICAL PLAN
SCALE: 3/8" = 1'-0"



3 DRYWELL DETAIL
SCALE: NONE



2 GAS FIRED UNIT HEATER DETAIL
SCALE: NONE

100% SUBMITTAL



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308
B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

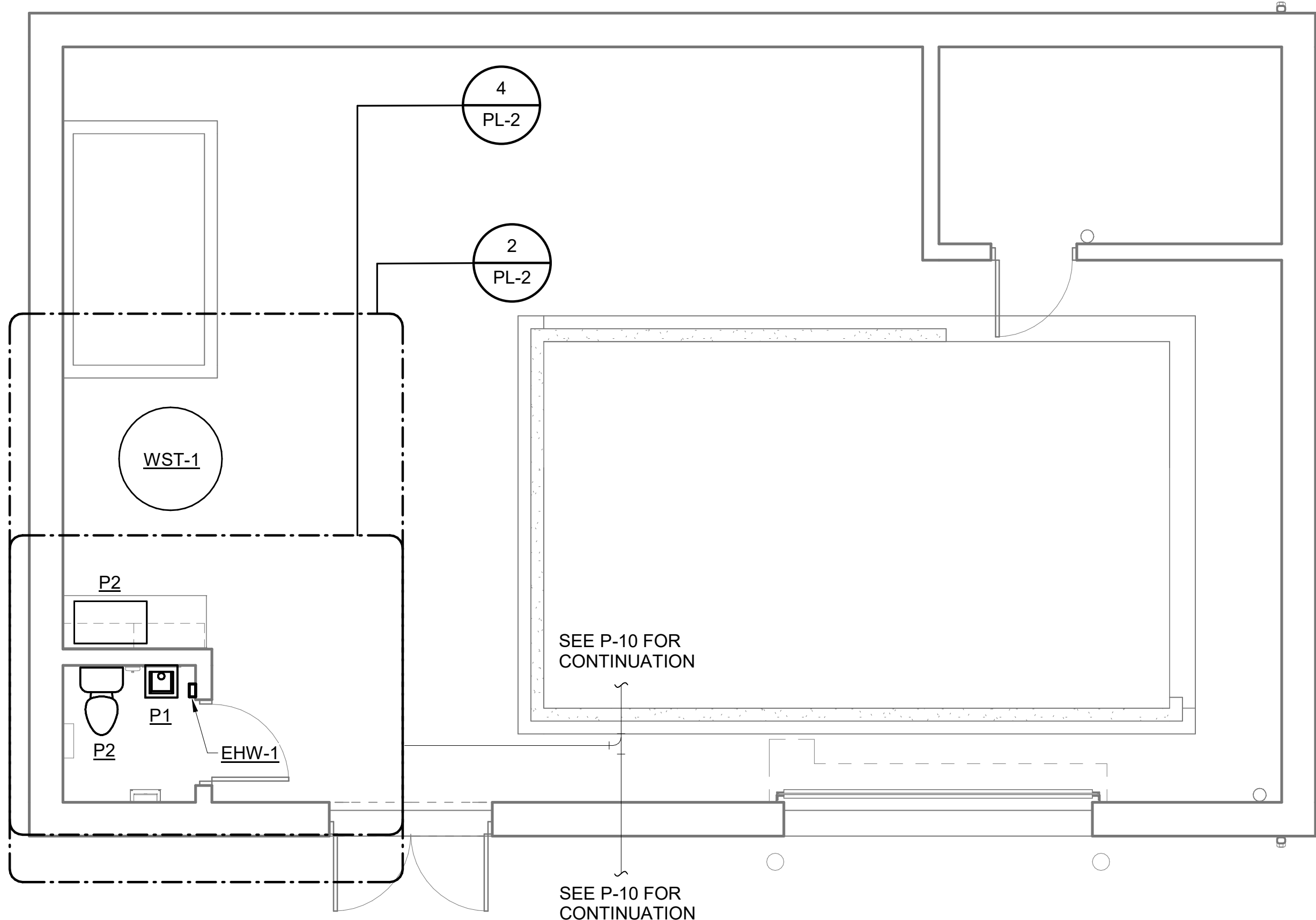
MARK	DATE	DESCRIPTION	BY
06/23/25	100% CD	DESCRIPTION	BY

PROJECT NO:	J20240151.000
DWG FILE:	
DRAWN BY:	DGG
DATE:	05/30/2025
DESIGNED BY:	DG
CHECKED BY:	BM
APPROVED BY:	DG

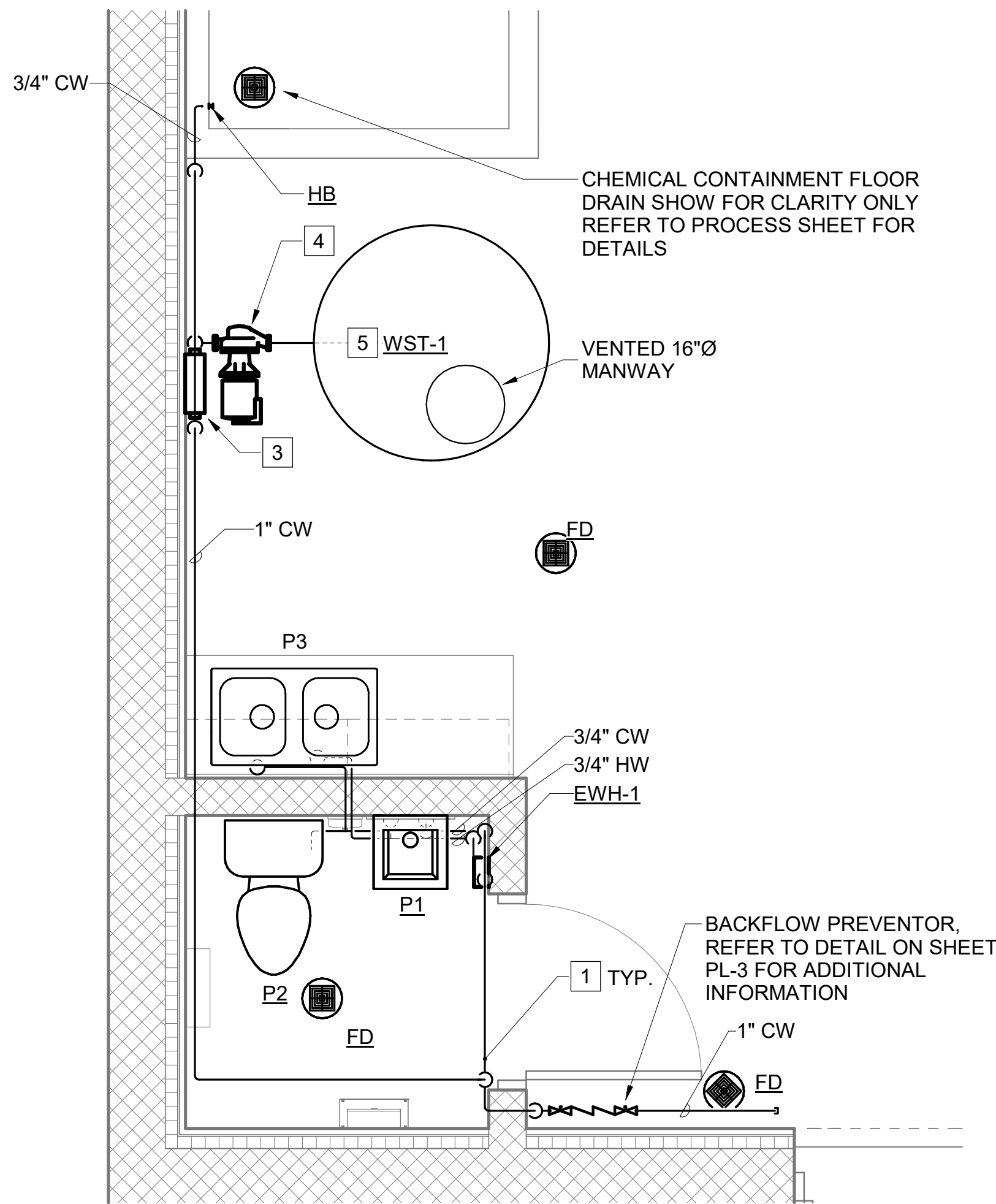
SHEET TITLE

MECHANICAL PLAN

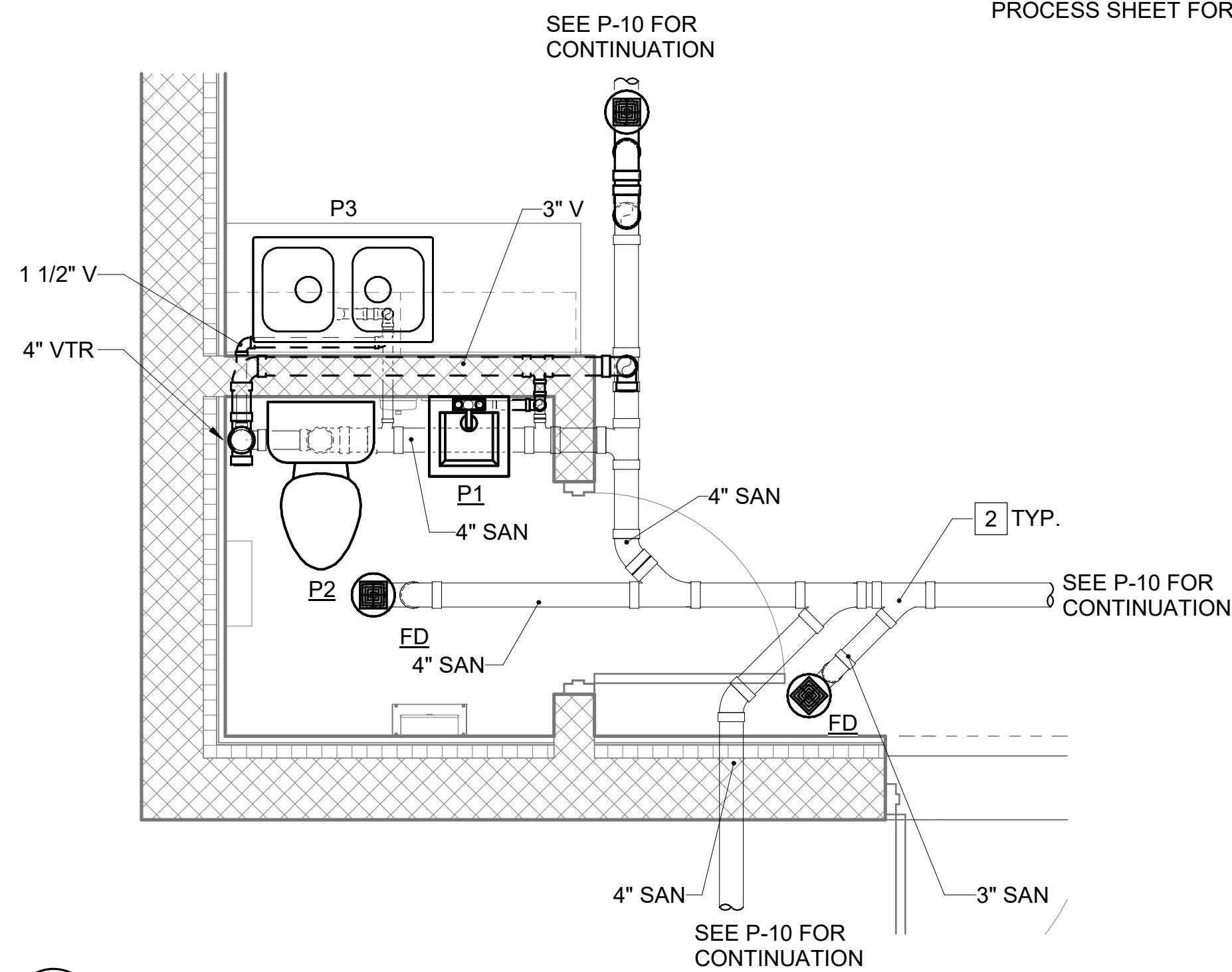
M-2



PLUMBING FLOOR PLAN
SCALE: 1/4" = 1'-0"



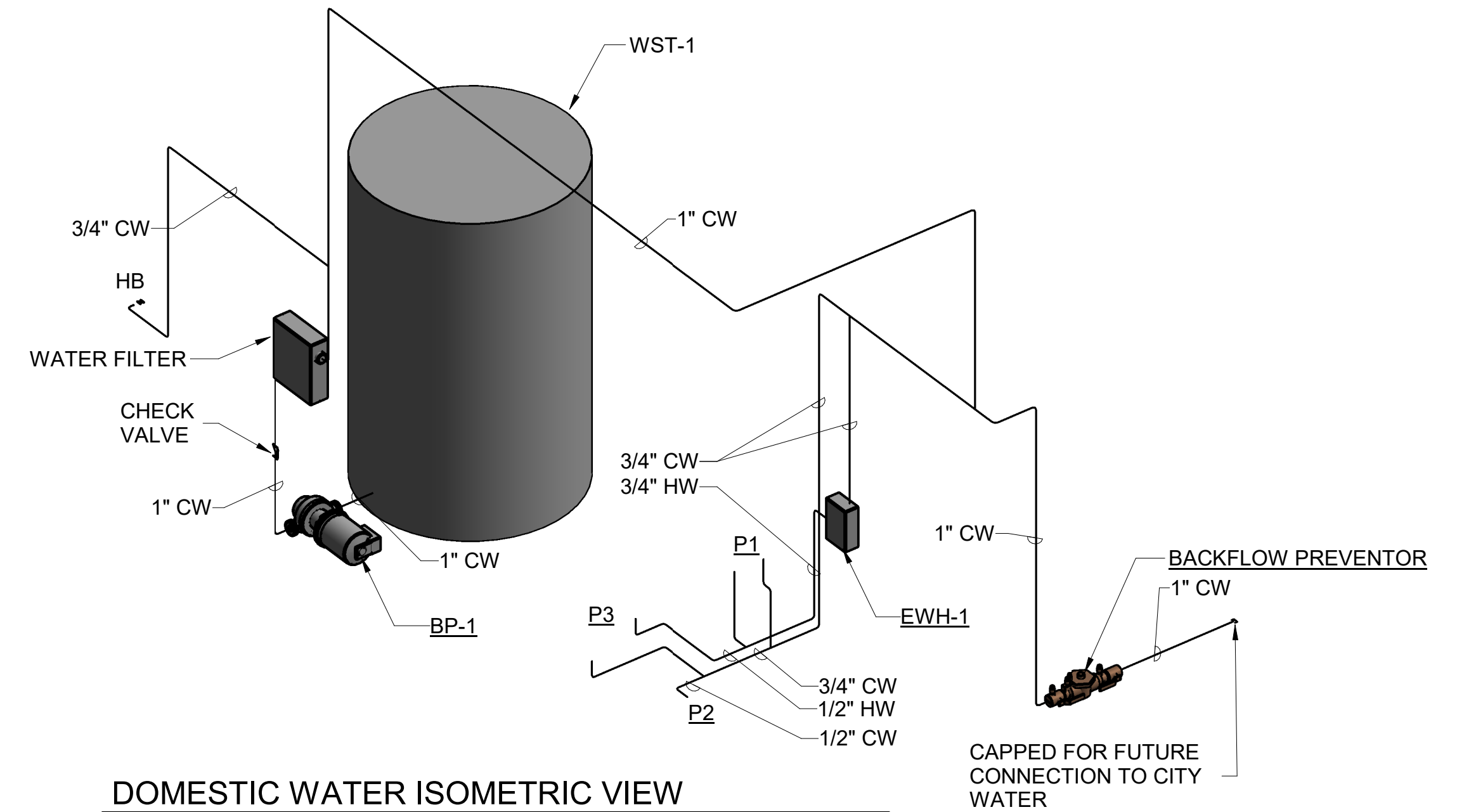
2 DOMESTIC WATER ENLARGED RESTROOM
PL-2 SCALE: 1/2" = 1'-0"



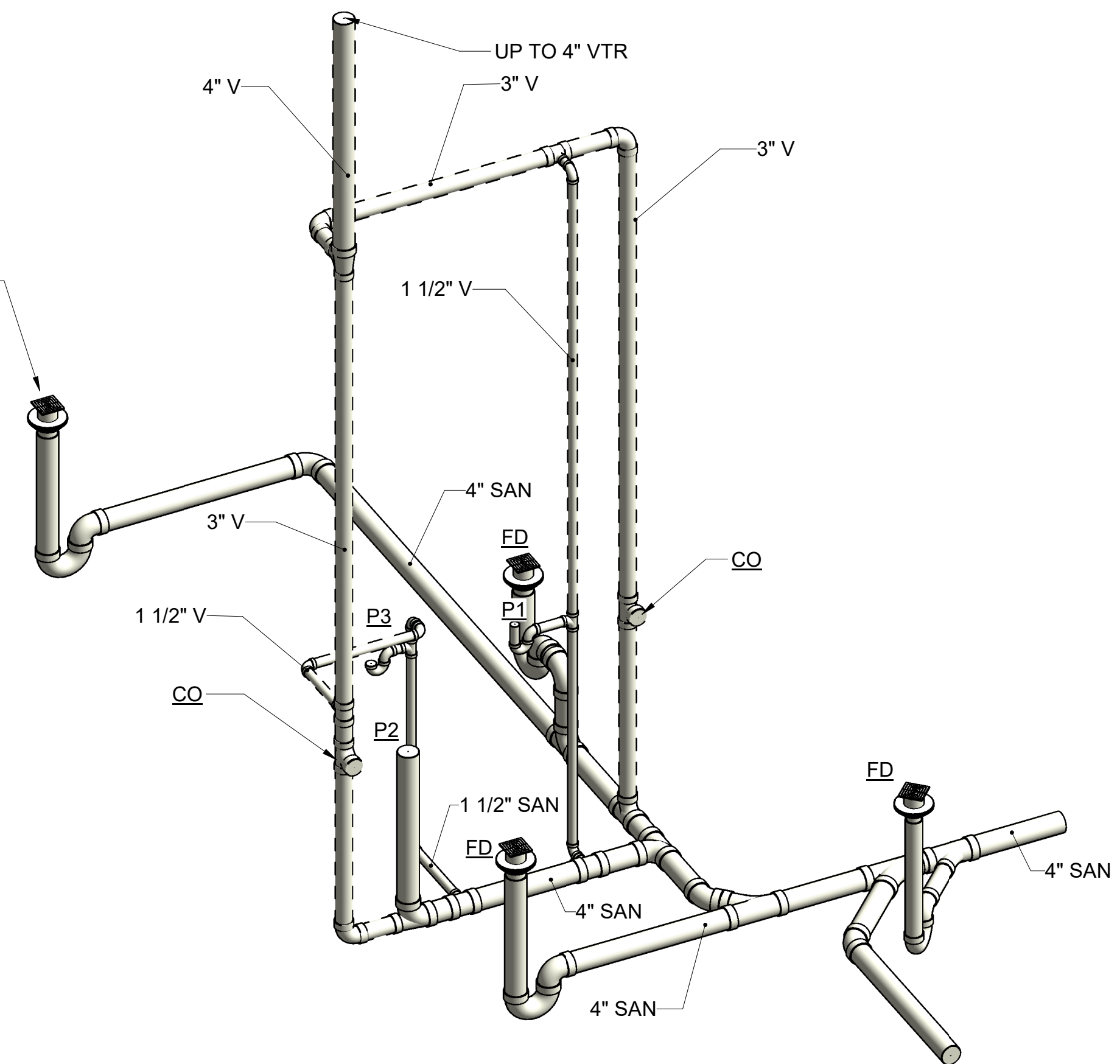
4 SANITARY ENLARGED RESTROOM
PL-2 SCALE: 1/2" = 1'-0"

NOTES:

- 1 PROVIDE TYPE L COPPER PIPING, INSULATION, HANGERS, AND SUPPORTS COMPLETE.
- 2 PROVIDE PVC PIPING, PIPING HANGERS AND SUPPORTS COMPLETE.
- 3 PROVIDE WATER FILTER INLINE WITH BOOSTER PUMP.
- 4 PROVIDE BOOSTER PUMP SYSTEM COMPLETE WITH PUMP, INTEGRAL SPEED CONTROLLER, NON-RETURN VALVE, AND EXPANSION TANK. BASIS OF DESIGN: GRUNDFOS 98548113, CMBE 3-62. MIN 10 GPM, MIN 50 FT OF HEAD, 240V/1,
- 5 PROVIDE 500 GALLON VERTICAL WATER TANK COMPLIANT WITH ANSI/NSF 61. BASIS OF DESIGN CHEM-TAINER TC46761C-NAT 500 GALLON VERTICAL STORAGE TANK.



DOMESTIC WATER ISOMETRIC VIEW



SANITARY ISOMETRIC VIEW

100% SUBMITTAL



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO:	Q-208
DWG FILE:	N/A
DRAWN BY:	TL
DATE:	6/6/25
DESIGNED BY:	NE
CHECKED BY:	JH
APPROVED BY:	DL

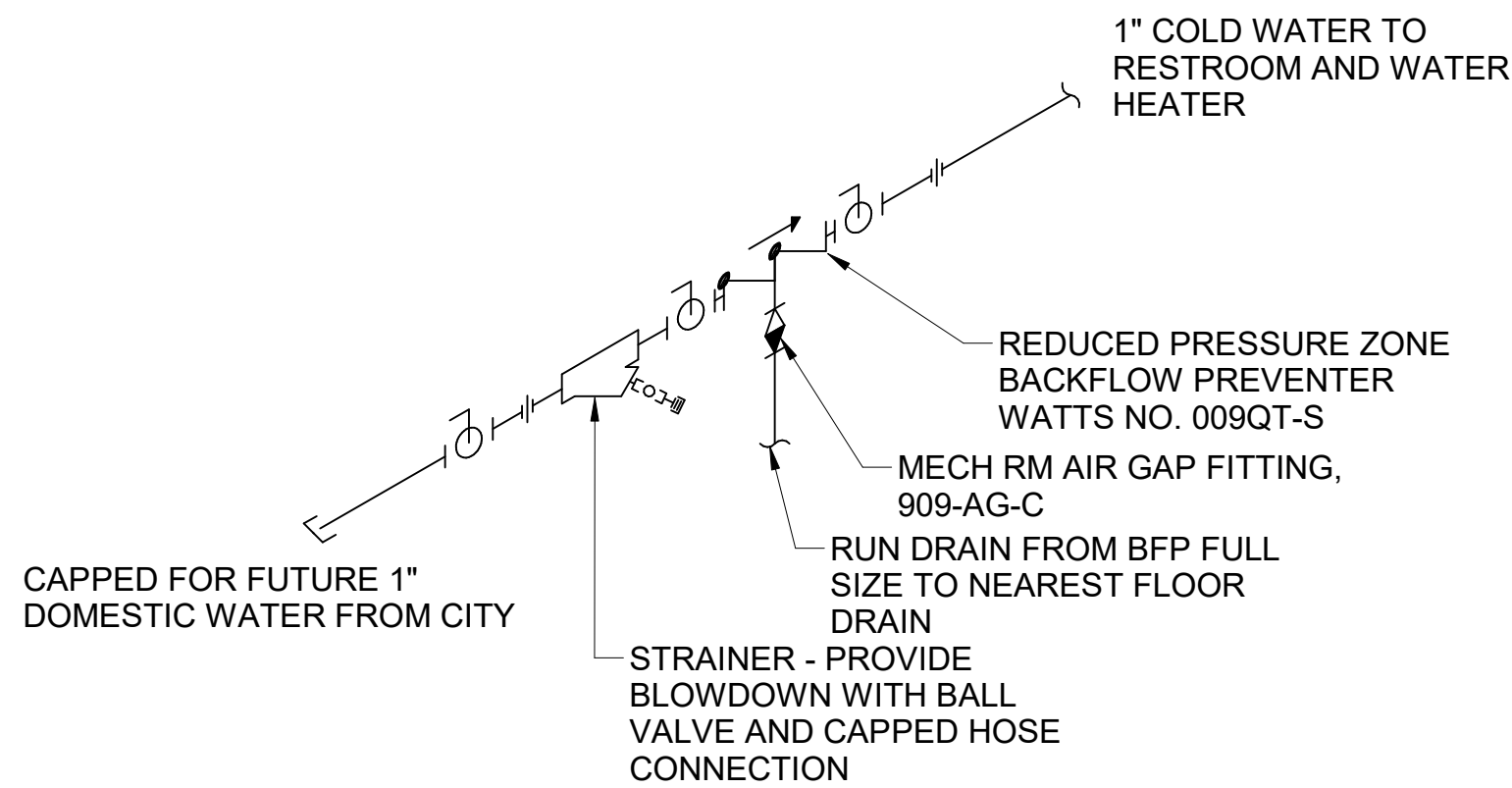
SHEET TITLE

WRF BUILDING
PLUMBING
PLAN AND
DETAILS

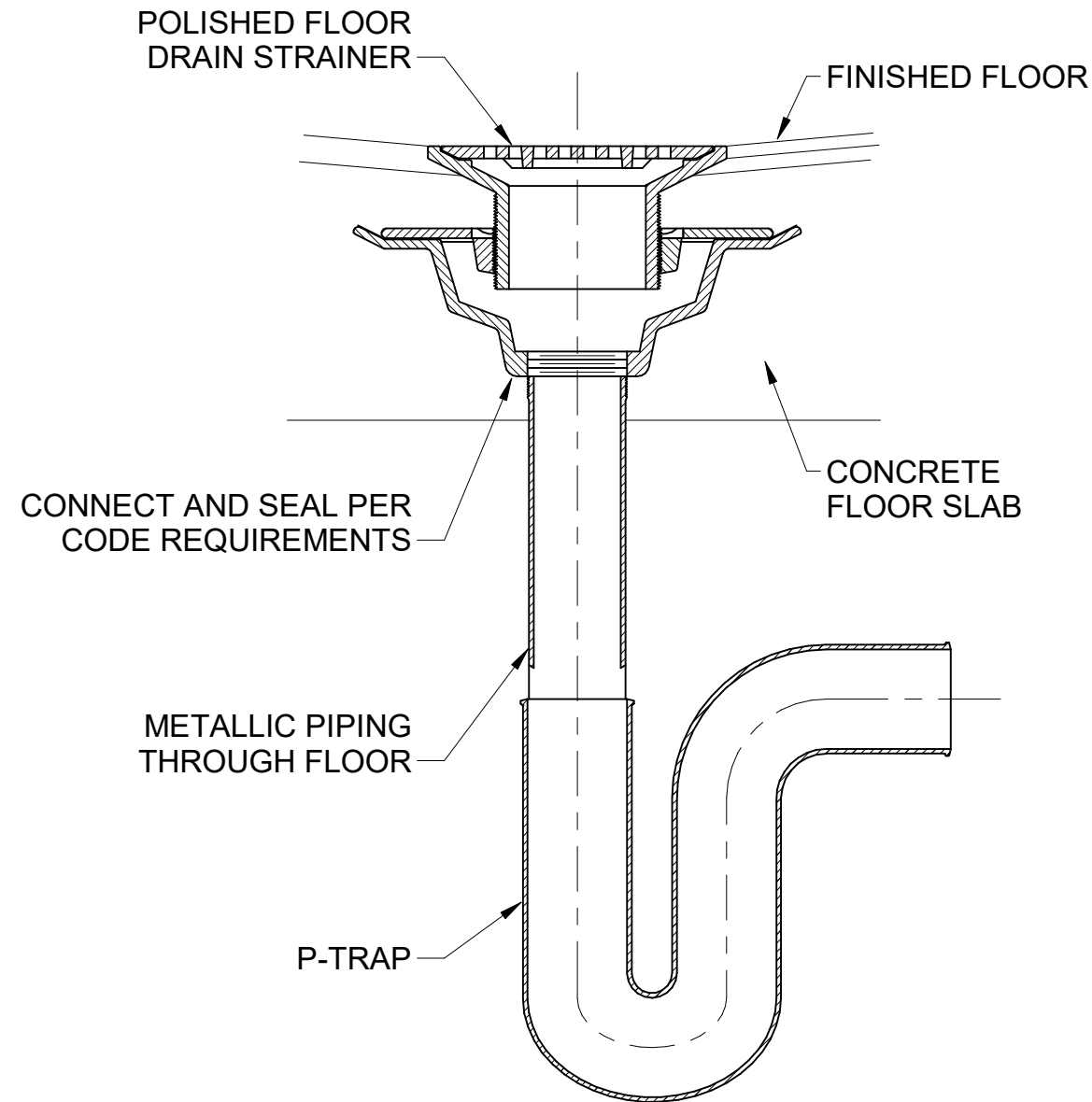
PL-2

SHEET 65 OF 148

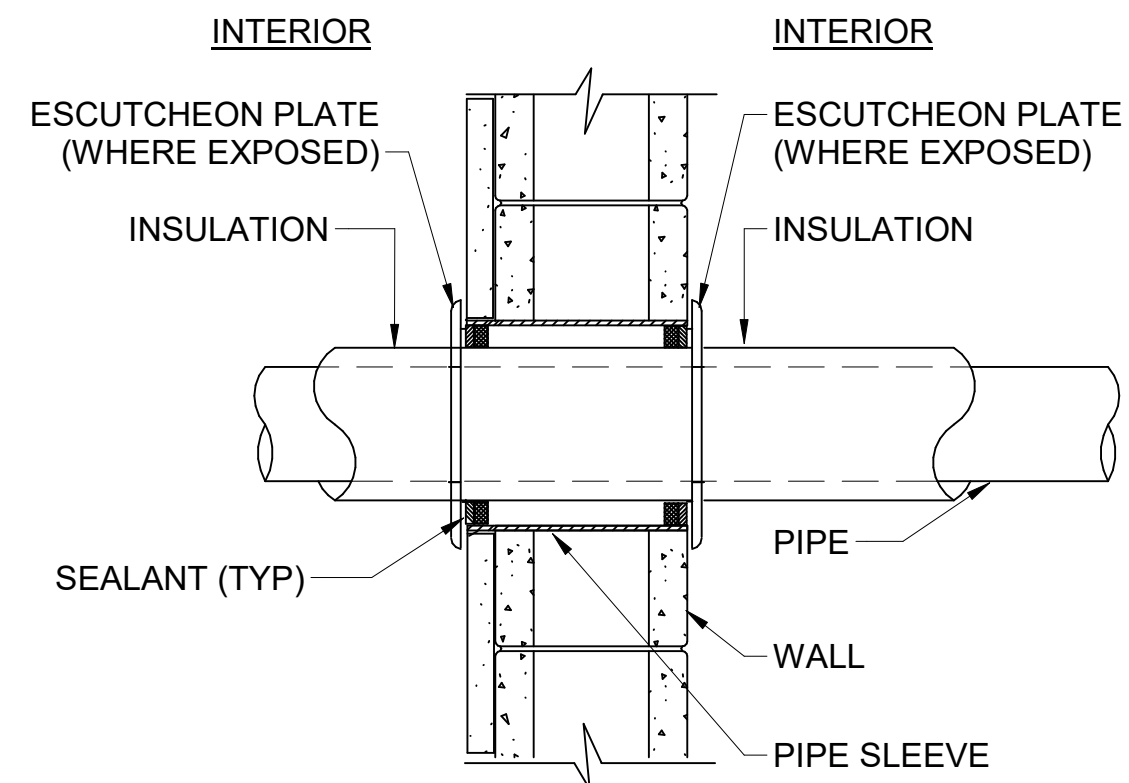
6/5/2025 5:57:58 PM
C:\Users\lipka\Documents\Peninsula WWTP_Mech_R24_allan.lipka.rvt



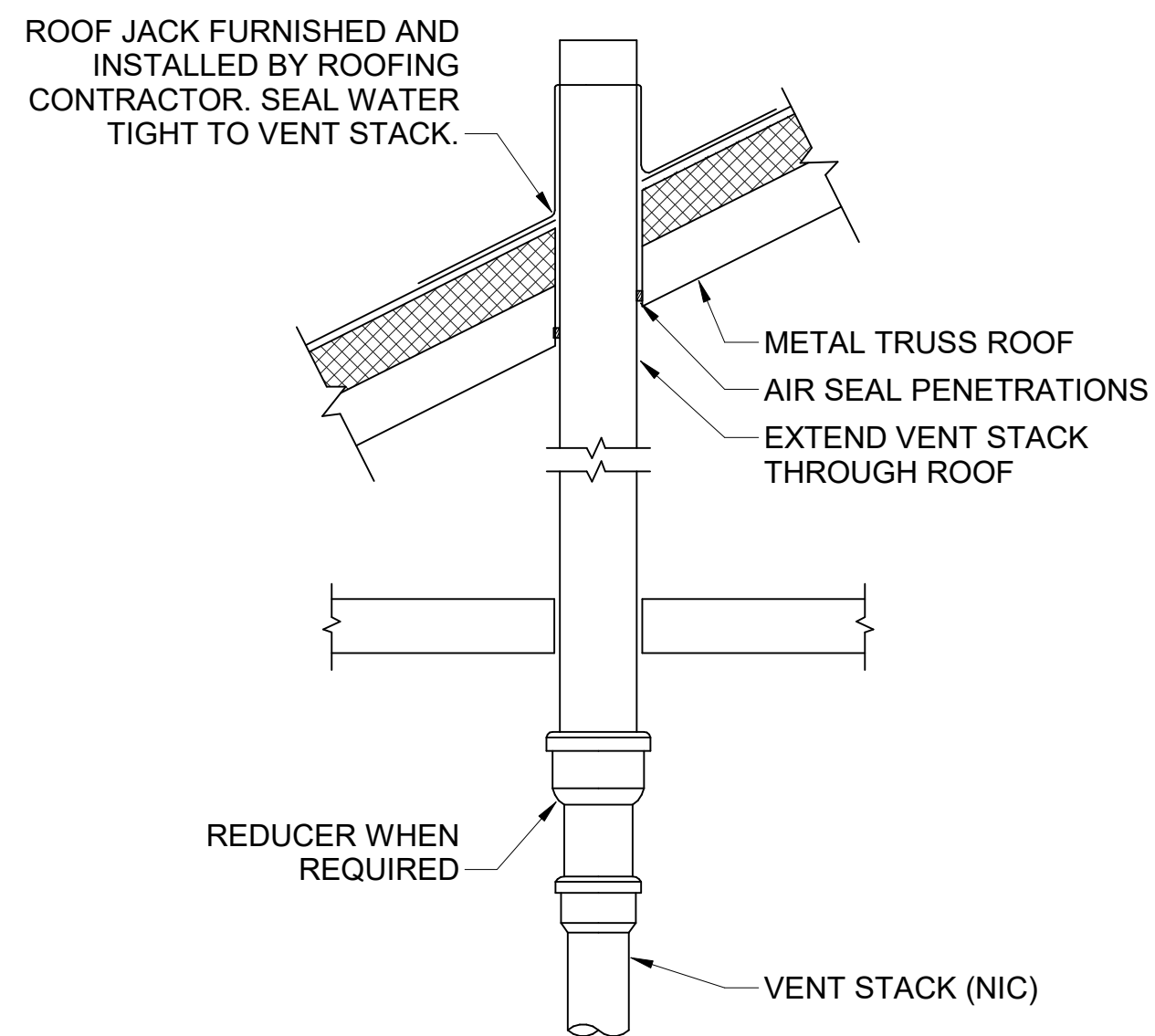
1
PL-3
BACKFLOW PREVENTER DETAIL
NO SCALE



4
PL-3
PLUMBING FLOOR DRAIN DETAIL
NO SCALE



2
PL-3
CMU WALL PIPE PENETRATION DETAIL
NO SCALE



3
PL-3
VENT THROUGH ROOF DETAIL
NO SCALE



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO:	Q-208
DWG FILE:	N/A
DRAWN BY:	TL
DATE:	6/6/25
DESIGNED BY:	NE
CHECKED BY:	JH
APPROVED BY:	DL

SHEET TITLE

WRF BUILDING
PLUMBING
PLAN AND
DETAILS

PL-3

SHEET 66 OF 148

100% SUBMITTAL



**Electrical, Instrumentation,
& Control Systems Engineering**

10715 Inlet Point
East Aurora, OH 44022
Tel: 440-725-0584

SMR[®]
ENGINEERING, PC

THE DIVISIONS OF THIS COMPANY SHALL NOT BE HELD OR VIEWED IN ANY WAY WITHOUT THE WRITTEN APPROVAL OF THE BOARD OF ENGINEERS, P.C. ANY REVISIONS SHALL BE MADE BY THE ENGINEER.

SMR[®]
ENGINEERING, PC

ENGINEERING, P.C. ANY REVISIONS SHALL BE MADE BY THE ENGINEER.

SEMR ENGINEERING, PC



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

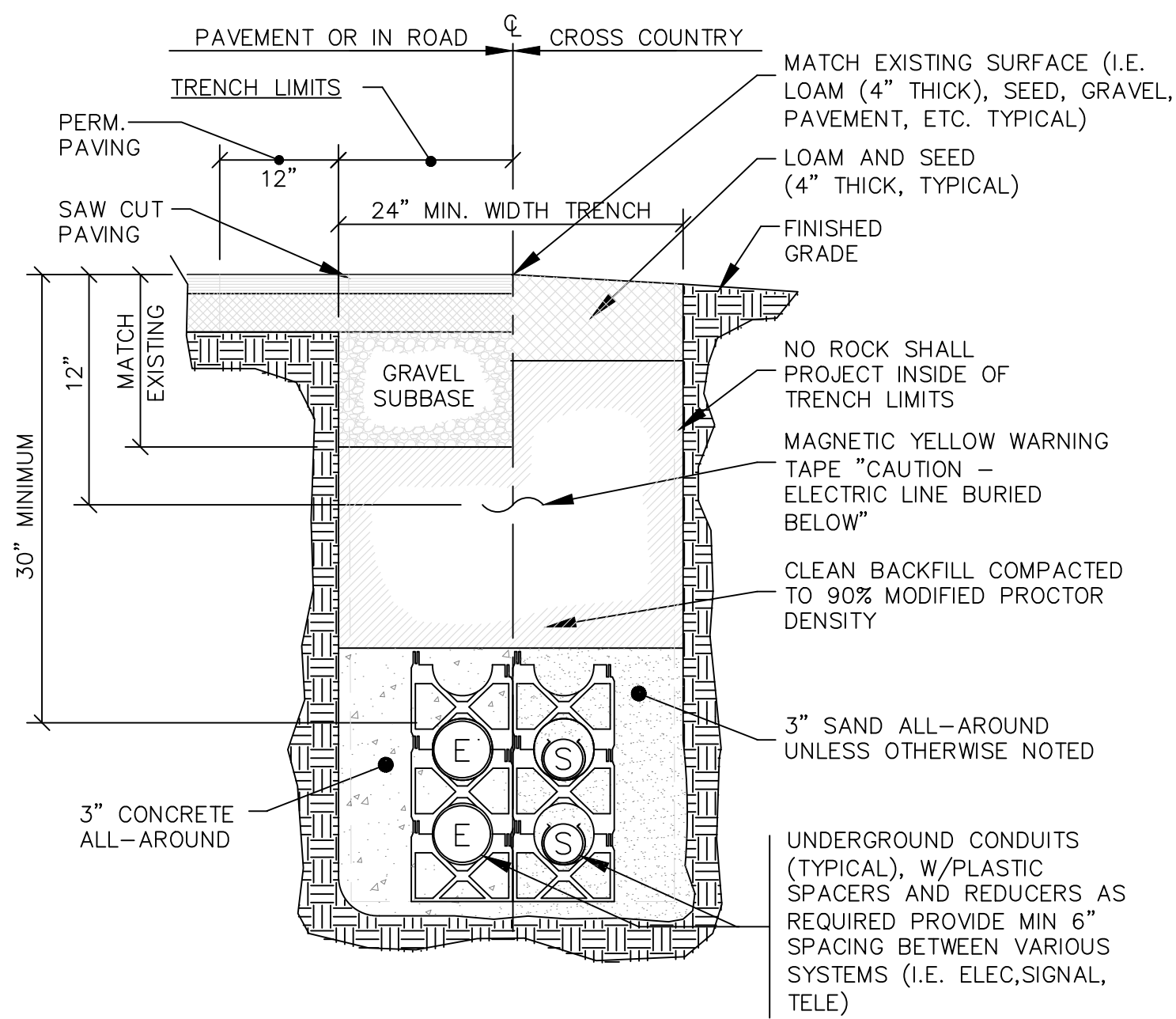
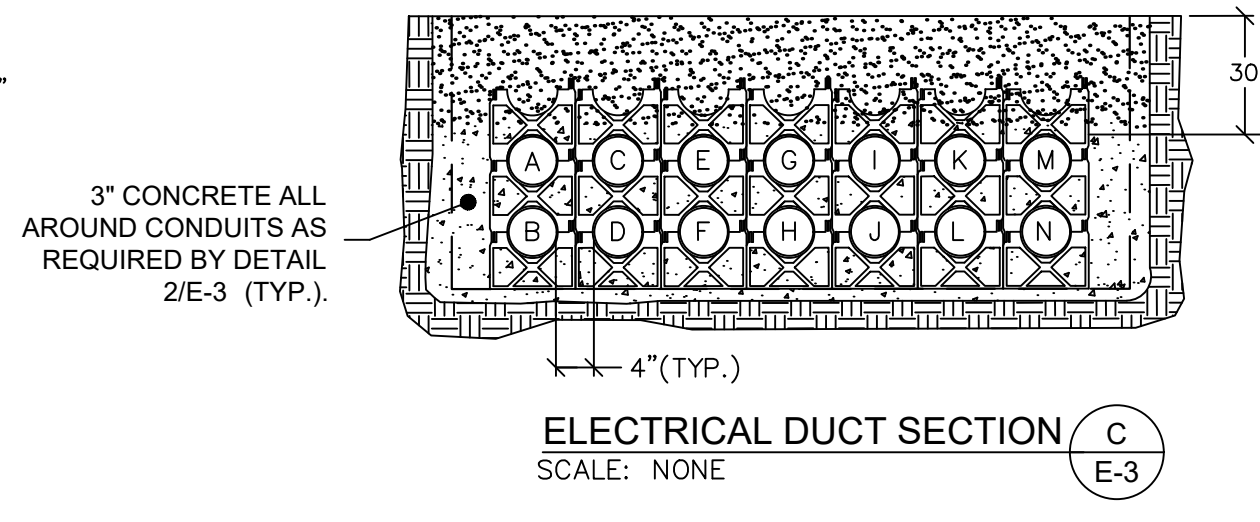
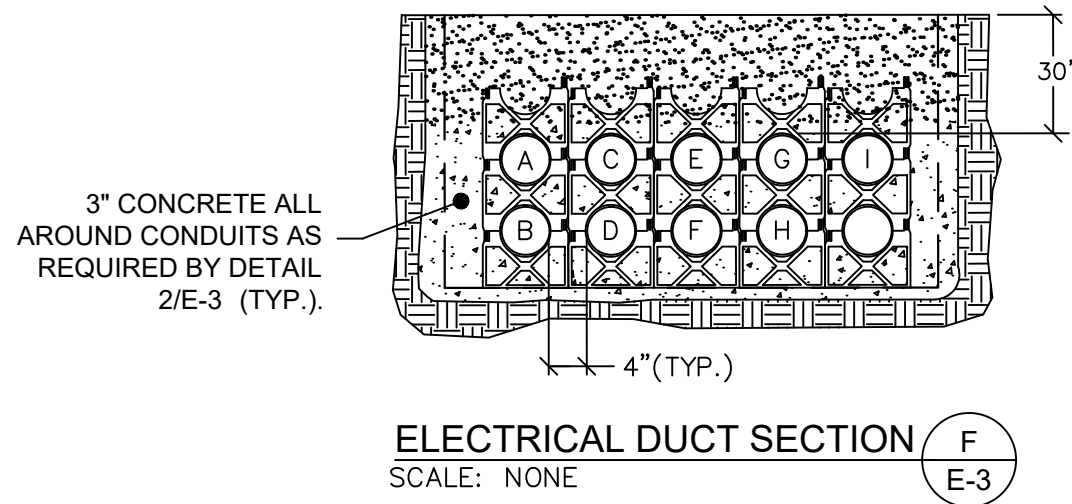
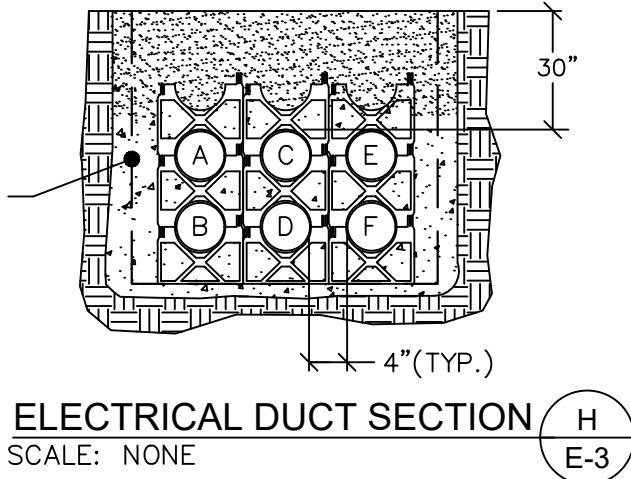
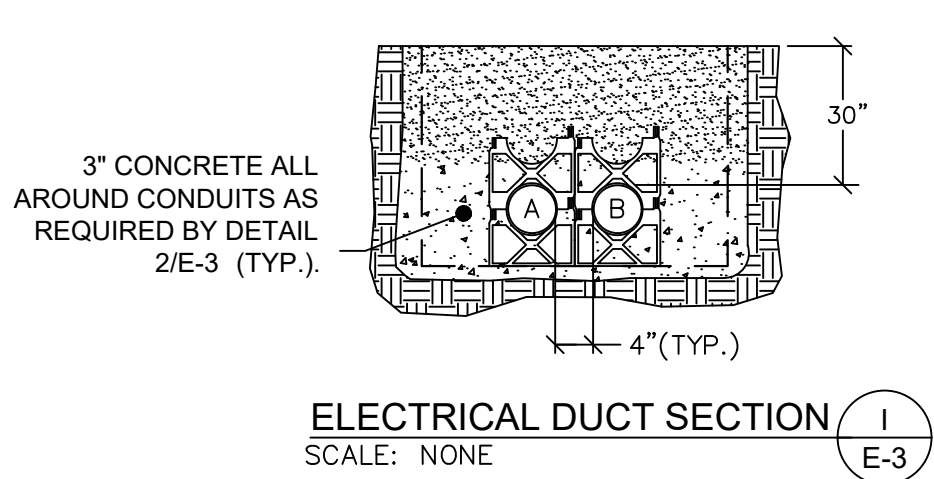
B&N
burgessniple.com

Environmental Sustainability									
Project # Q-208									
Village of Peninsula									
PROJECT NO: Q-208									
DWG FILE: 01-10_Q-000									
DRAWN BY: GMS									
DATE: 08/01/25									
DESIGNED BY: SMR									
CHECKED BY: SMR									
APPROVED BY: RCS									
SHEET TITLE									
ELECTRICAL SITE PLAN									
E-2									
SHEET 68 OF 147									

ELECTRICAL DUCT BANK SCHEDULE					
DUCT BANK SECTION NO.	CONDUIT		EQUIPMENT	WIRE	FUNCTION
<div><div>A</div><div>E-3</div></div>	A	4"	MCC-1	4#500 KCMIL	SERVICE CONDUCTORS FROM POLE MOUNTED TRANSFORMERS TO MCC-1 AT PROCESS BLDG ELECTRIC ROOM
	B	4"	SPARE	PULL WIRE	SPARE CONDUIT FROM POLE MOUNTED TRANSFORMER TO MCC-1 AT PROCESS BLDG ELECTRIC ROOM
	C	4"	SPARE	PULL WIRE	SPARE CONDUIT FOR FUTURE INTERNET SERVICE FROM UTILITY POLE TO PANEL PROCESS BLDG ELECTRIC ROOM
<div><div>B</div><div>E-3</div></div>	A	4"	GENERATOR	4#500 KCMIL, 1#1/0G	FEEDER CONDUCTORS FROM GENERATOR TO ATS/MCC-1 AT PROCESS BLDG ELECTRIC ROOM
	B	4"	GENERATOR	PULLWIRE	SPARE CONDUIT FROM GENERATOR TO ATS/MCC-1 AT PROCESS BLDG ELECTRIC ROOM
	C	2"	GENERATOR	4#8, 1#10G	FEEDER CONDUCTORS FROM PANEL LP (BLOCK HEATER & BATTERY CHARGER) AT PROCESS BLDG ELECTRIC ROOM
	D	2"	GENERATOR	10#14 & REMOTE ANNUNCIATOR PANEL CABLE	SIGNAL WIRING FROM GENERATOR CONTROL PANEL TO ATS/MCC-1 AT PROCESS BLDG ELECTRIC ROOM
<div><div>C</div><div>E-3</div></div>	A	2"	MCC-1	3#6, 1#8G	FEEDER CONDUCTORS FROM MCC-1 AT PROCESS BLDG TO DUPLEX C.P.
	B	2"	SPARE	PULL WIRE	SPARE CONDUIT FROM MCC-1 AT PROCESS BLDG TO TO DUPLEX C.P.
	C	2"	DUPLEX C.P.	12#14	SIGNAL WIRING FROM PLC-1 AT BLDG TO DUPLEX C.P.
	D	2"	SPARE CONDUIT	PULL WIRE	SPARE CONDUIT FROM MCC-1 TO EMH-1
	E	2"	GATE OPERATOR	2#10, 1#10G	FEEDER CONDUCTORS FROM PANEL LP TO GATE OPERATOR
	F	2"	LT-100,LT-109,FIT-101,AIT-105,AIT-106,AIT-107,TIT-108	(7) 2/C #18 SH. PR.	SIGNAL WIRING TO PLC-1
	G	2"	AIT-105,AIT-106 & HEAT TRACE C.P.	2#10, 1#10G, 2#10, 1#10G	BRANCH CIRCUIT WIRING FROM PANEL LP VIA PB-A
	H	2"	RECEPTACLES & HEAT TRACE	6#10, 1#10G, 4#10, 1#10G	BRANCH CIRCUIT WIRING FROM PANEL 'LP' TO RECEPTACLE & HEAT TRACE VIA PB-C & PB-F
	I	2"	EQ C.P.	(1) 2/C #18 SH. PR.	SIGNAL WIRING FROM FIT-101 TO PLC-1 VIA PB-D
	J	2"	EQ C.P.	12#14	SIGNAL WIRING FROM EQ & GRINDER CONTROL PANELS TO PLC-1 AT BLDG VIA PB-E
	K	2"	EQ CONTROL PANEL, GRINDER C.P. & FIT-101	3#10, 1#10G, 3#10, 1#10G, 2#10,1#10G	FEEDER CONDUCTORS FROM MCC-1 AT PROCESS BLDG TO DUPLEX C.P. & GRINDER C.P. & BRANCH CIRCUIT WIRING FROM PANEL LP TO FIT-101 & RECEPTACLES VIA PB-F
	L	2"	SPARE CONDUIT	PULL WIRE	SPARE CONDUIT FROM PLC-1 TO PB-C
	M	2"	SPARE CONDUIT	PULL WIRE	SPARE CONDUIT FROM PLC-1 TO PB-E
	N	2"	SPARE CONDUIT	PULL WIRE	SPARE CONDUIT FROM MCC-1 TO PB-F
<div><div>D</div><div>E-3</div></div>	A	2"	MCC-1	3#6, 1#8G	FEEDER CONDUCTORS FROM MCC-1 AT PROCESS BLDG TO DUPLEX C.P.
	B	2"	SPARE	PULL WIRE	SPARE CONDUIT FROM MCC-1 AT PROCESS BLDG TO TO DUPLEX C.P.
	C	2"	DUPLEX C.P.	16#14	SIGNAL WIRING FROM DUPLEX C.P. TO PLC-1
	D	2"	DUPLEX C.P.	2/C #18 SH. PR.	SIGNAL WIRING FROM DUPLEX C.P. TO PLC-1
<div><div>E</div><div>E-3</div></div>	A	2"	RSP-1	VENDOR SUPPLIED CABLES	POWER/ALARM CABLE FROM RAW SEWAGE PUMP #1 IN WETWELL TO J-BOX AT DUPLEX C.P.
	B	2"	RSP-2	VENDOR SUPPLIED CABLES	POWER/ALARM CABLE FROM RAW SEWAGE PUMP #2 IN WETWELL TO J-BOX AT DUPLEX C.P.
	C	2"	FLOAT SWITCHES	VENDOR SUPPLIED CABLES	ALARM CABLES (5) FROM FLOAT SWITCHES IN WETWELL TO J-BOX AT DUPLEX C.P.
	D	1"	LT-100	2/C #18 SH. PR.	SIGNAL CABLE FROM LEVEL TRANSMITTER IN WETWELL TO J-BOX AT DUPLEX C.P.
<div><div>F</div><div>E-3</div></div>	A	2"	LT-100,LT-109,FIT-101,AIT-105,AIT-106,AIT-107,TIT-108	(6) 2/C #18 SH. PR.	SIGNAL WIRING TO PLC-1 VIA PB-A, PB-C & PB-D
	B	2"	AIT-105, AIT-106, & HEAT TRACE C.P.	2#10, 1#10G, 2#10, 1#10G	BRANCH CIRCUIT WIRING FROM PANEL LP VIA PB-A
	C	2"	RECEPTACLES & HEAT TRACE	6#10, 1#10G, 4#10, 1#10G	BRANCH CIRCUIT WIRING FROM PANEL 'LP' TO RECEPTACLE & HEAT TRACE VIA PB-C & PB-F
	D	2"	EQ C.P., HEAT TRACE C.P. & FIT-101	(5) 2/C #18 SH. PR.	SIGNAL WIRING FROM EQ C.P., HEAT TRACE C.P. & FIT-101 TO PLC-1 VIA PB-D
	E	2"	EQ C.P.	12#14	SIGNAL WIRING FROM EQ & GRINDER CONTROL PANELS TO PLC-1 AT BLDG VIA PB-E
	F	2"	EQ CONTROL PANEL, GRINDER C.P. & FIT-101	3#10, 1#10G, 3#10, 1#10G, 2#10,1#10G	FEEDER CONDUCTORS FROM MCC-1 AT PROCESS BLDG TO DUPLEX C.P. & GRINDER C.P. & BRANCH CIRCUIT WIRING FROM PANEL LP TO FIT-101 & RECEPTACLES VIA PB-F
	G	2"	SPARE	PULL WIRE	SPARE CONDUIT FROM PLC-1 TO PB-C
	H	2"	SPARE CONDUIT	PULL WIRE	SPARE CONDUIT FROM PLC-1 TO PB-E
	I	2"	SPARE CONDUIT	PULL WIRE	SPARE CONDUIT FROM MCC-1 TO PB-F
<div><div>G</div><div>E-3</div></div>	A	2"	LT-109, AIT-105, AIT-106	(3) 2/C #18 SH. PR.	SIGNAL WIRING (LEVEL SIGNAL) TO PLC-1 VIA PB-A
	B	2"	AIT-105, AIT-106, & HEAT TRACE C.P.	2#10, 1#10G, 2#10, 1#10G	BRANCH CIRCUIT WIRING FROM PANEL LP VIA PB-A
	C	2"	RECEPTACLES	4#10, 1#10G	BRANCH CIRCUIT WIRING FROM PANEL 'LP' TO RECEPTACLES VIA PB-A
	D	2"	SPARE CONDUIT	PULL WIRE	SPARE CONDUIT FROM EMH-1 TO PB-A
<div><div>H</div><div>E-3</div></div>	A	2"	EQ C.P., HEAT TRACE, FIT-101	(5) 2/C #18 SH. PR.	SIGNAL WIRING FROM EQ C.P., HEAT TRACE & FIT-101 TO PLC-1 VIA PB-D
	B	2"	EQ C.P.	12#14	SIGNAL WIRING FROM EQ & GRINDER CONTROL PANELS TO PLC-1 AT BLDG VIA PB-E
	C	2"	EQ CONTROL PANEL, GRINDER C.P. & FIT-101	3#10, 1#10G, 3#10, 1#10G, 2#10,1#10G	FEEDER CONDUCTORS FROM MCC-1 AT PROCESS BLDG TO DUPLEX C.P. & GRINDER C.P. & BRANCH CIRCUIT WIRING FROM PANEL LP TO FIT-101 & RECEPTACLES VIA PB-F
	D	2"	STANCHION LIGHTING, AIT-108, TIT-107	2#10, 1#10G, 2#10, 1#10G	FEEDER CONDUCTORS FROM PANEL LP-15 TO STANCHION LIGHTING VIA LIGHTING SWITCH AT PROCESS BLDG DOUBLE DOOR
	E	2"	RECEPTACLES & HEAT TRACE	2#10, 1#10G, 4#10, 1#10G	BRANCH CIRCUIT WIRING FROM PANEL 'LP' TO RECEPTACLE & HEAT TRACE VIA PB-C & PB-F
	F	2"	SPARE CONDUIT	PULL WIRE	SPARE CONDUIT FROM MCC-1 TO PB-F
<div><div>I</div><div>E-3</div></div>	A	2"	GATE OPERATOR	2#10, 1#10G	FEEDER CONDUCTORS FROM PANEL LP TO GATE OPERATOR
	B	2"	SPARE CONDUIT	PULL WIRE	SPARE CONDUIT FROM GATE OPERATOR TO ELECTRIC MANHOLE

UNDERGROUND CONDUIT NOTES:

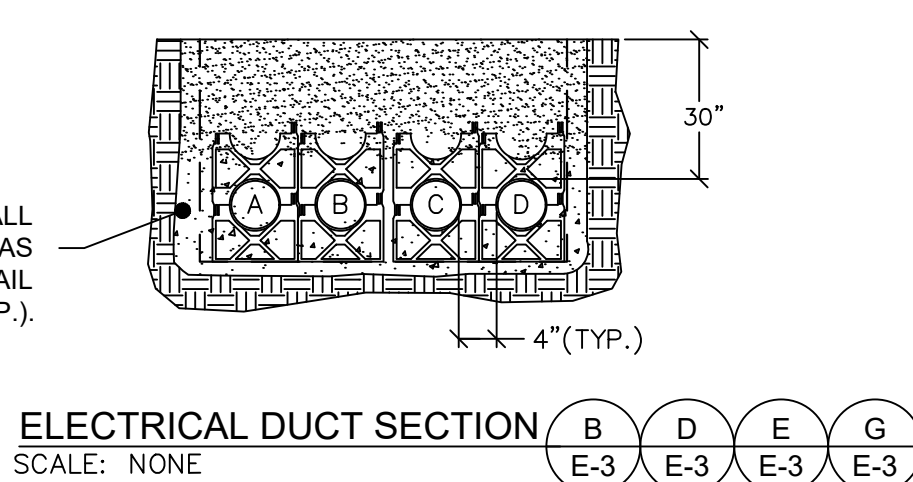
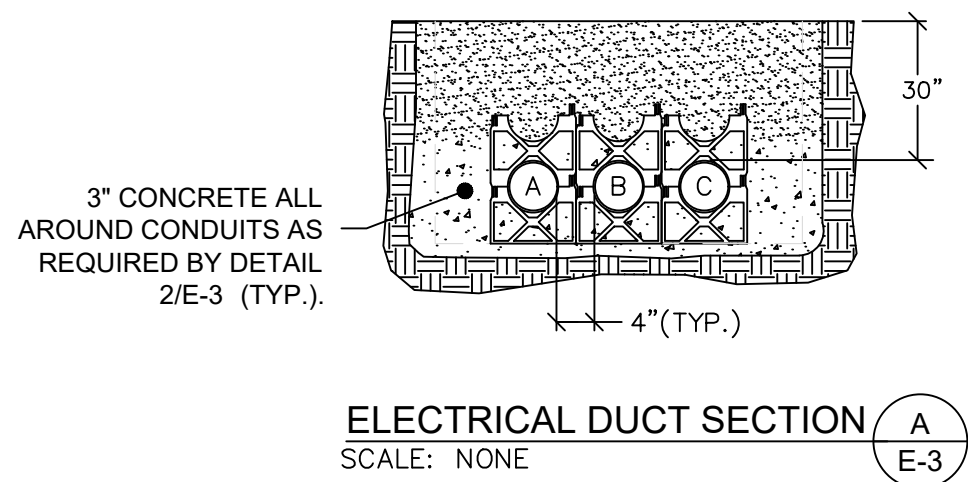
1. PROVIDE RIGID GALVANIZED SWEEPS ON ALL 90° TURNS.
2. COORDINATE NEW UNDERGROUND CONDUIT LOCATION WITH EXISTING UNDERGROUND ELECTRIC CONDUIT, PROCESS PIPING AND STRUCTURES PRIOR TO EXCAVATION.
3. REPAIR EXISTING PAVED AREAS AND EXISTING DIRT/GRAVEL ACCESS ROAD AREAS TO CONDITION EXISTING PRIOR TO EXCAVATION. GRASSED AREAS TO BE RESTORED PER DIVISION 2.
4. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE NOTIFIED, INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN PRIOR TO DESIGNING, EXCAVATING, BLASTING, INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORING OR REPAVING.
5. REFER TO DETAIL 2/E-3 FOR TYPICAL TRENCHING DETAIL FOR ELECTRICAL/FIREALARM/CABLE/FIBER OPTIC CONDUITS.
6. CONTRACTOR SHALL FURNISH AND INSTALL POLYESTER PULLING TAPE IN ALL SPARE CONDUITS RATED @ 2500 LBS, WITH FOOTAGE MARKINGS AS MANUFACTURED BY NEPT CO., MODEL# WP2500 OR APPROVED EQUAL.



SUBSURFACE WORK NOTE:

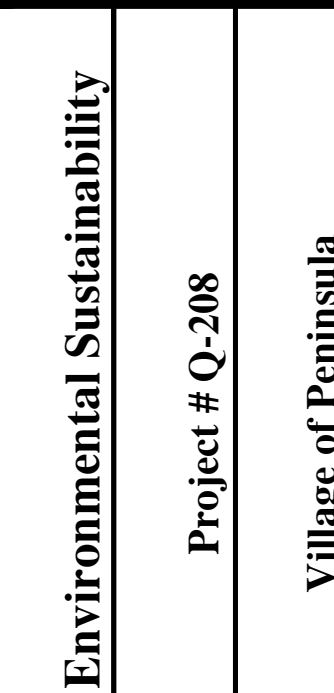
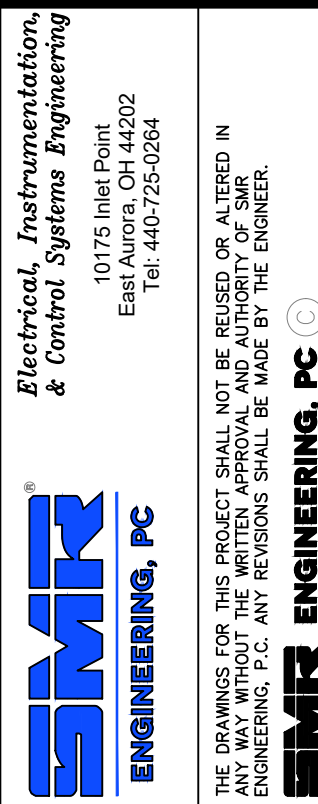
THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR IT'S REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT "DIG SAFE" AT 1(888)344-7233,1(888)DIG-SAFE) AND COORDINATE ACTIVITIES PRIOR TO ANY EXCAVATIONS.

2
E-3
TYPICAL ELECTRICAL TRENCHING DETAIL
SCALE: NONE



1
E-3
ELECTRICAL DUCT BANK SCHEDULE WITH DUCT BANK SECTIONS
SCALE: NONE

100% SUBMITTAL



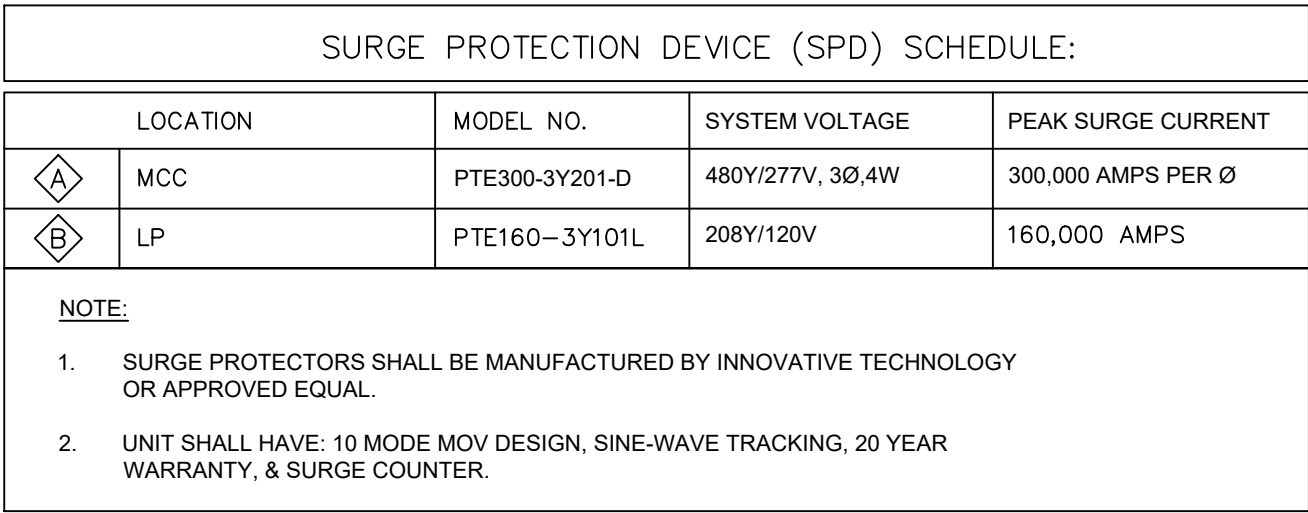
MARK	DATE	DESCRIPTION	BY	ISSUE

PROJECT NO:	Q-208
DWG FILE:	01-10 Q-000
DRAWN BY:	GMS
DATE:	08/01/25
DESIGNED BY:	SMR
CHECKED BY:	SMR
APPROVED BY:	RCS

SHEET TITLE

ELECTRICAL DUCT BANK SCHEDULE & SECTIONS

100% SUBMITTAL



1 ELECTRICAL ONE-LINE DIAGRAM
E-5 SCALE: NONE

E-5

County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301

Phone: 330-926-2444
Fax: 330-926-2531

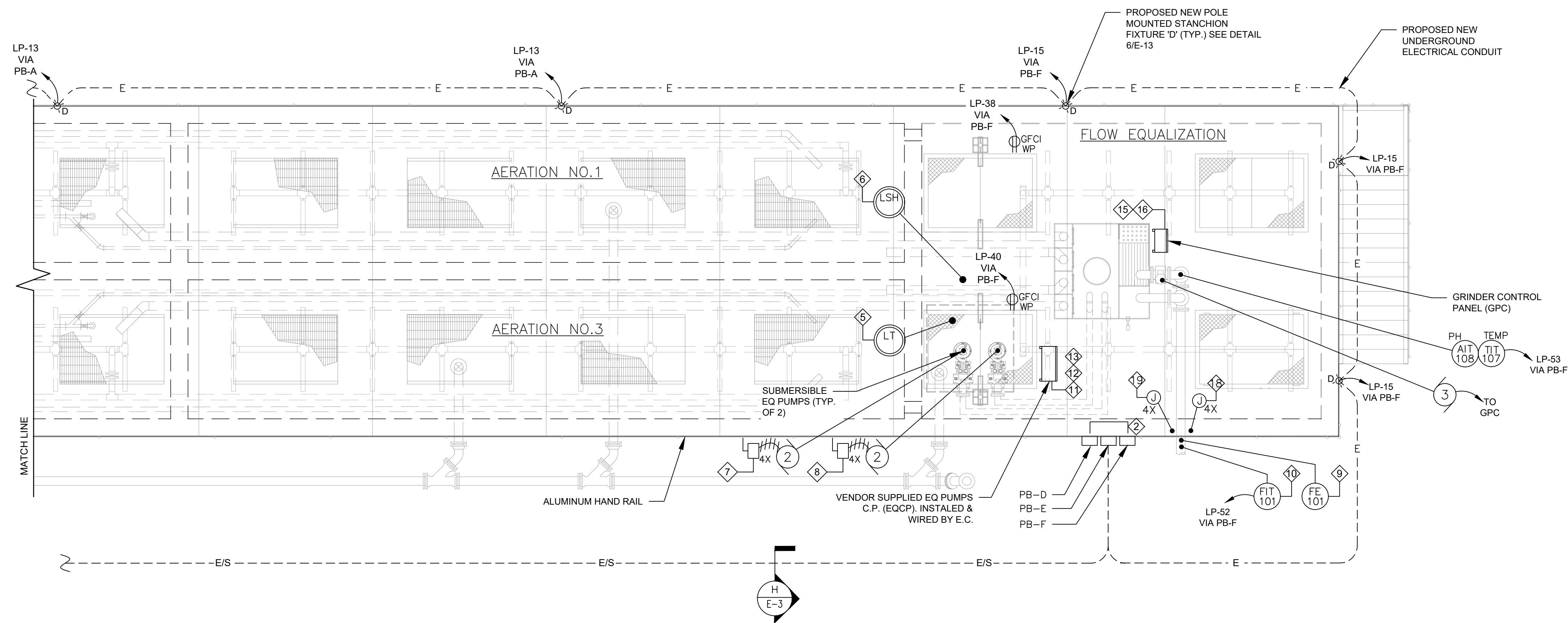
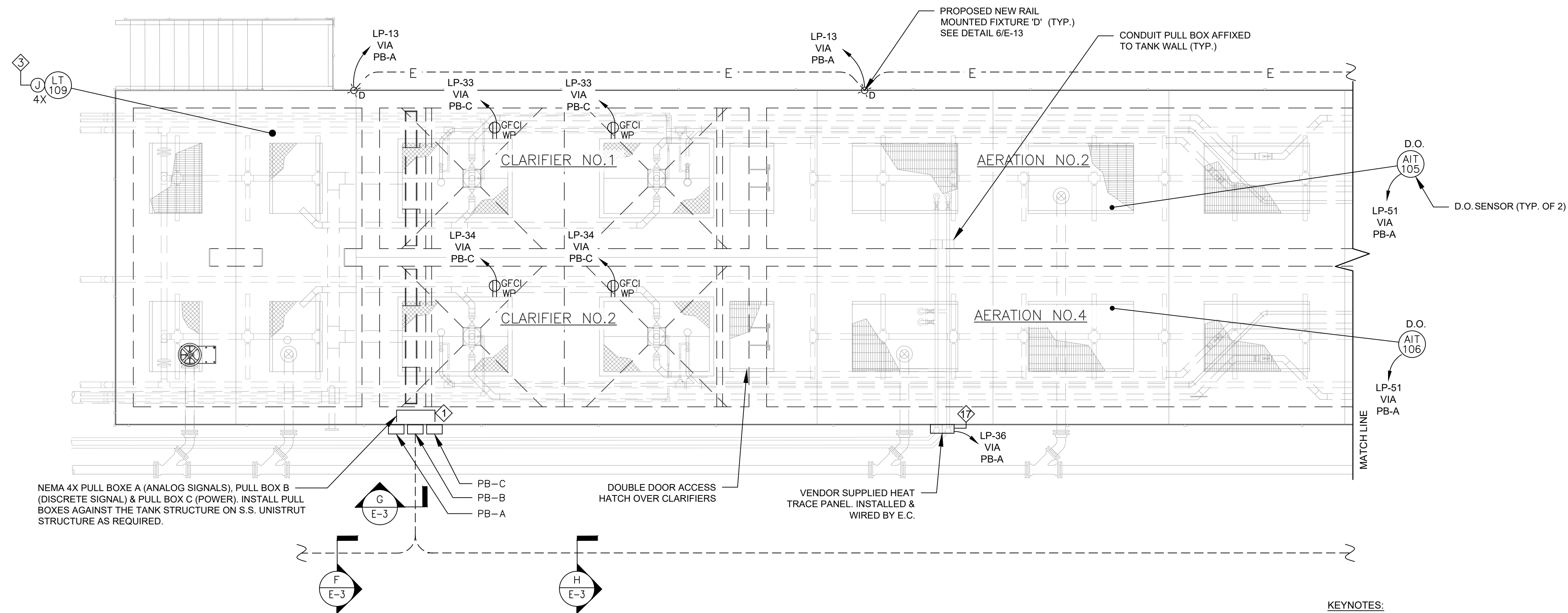
164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula



KEYNOTES:

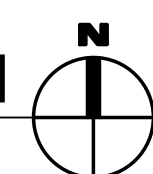
- 1 ALL EXTERIOR, ABOVE GROUND AREAS WIRING SHALL BE WITHIN RIGID GALVANIZED STEEL CONDUIT UNLESS OTHERWISE NOTED. ALL METAL JUNCTION BOXES, PULL BOXES, PANELS, DISCONNECT SWITCHES, ETC. SHALL BE PROVIDED WITH NEMA 4X, STAINLESS STEEL METAL CONSTRUCTION.
- 2 ALL EXTERIOR, ABOVE GROUND AREAS WIRING SHALL BE WITHIN RIGID GALVANIZED STEEL CONDUIT UNLESS OTHERWISE NOTED. ALL METAL JUNCTION BOXES, PULL BOXES, PANELS, DISCONNECT SWITCHES, ETC. SHALL BE PROVIDED WITH NEMA 4X, STAINLESS STEEL METAL CONSTRUCTION.
- 3 3/4" CONDUIT WITH 2/C #18 SH. PR. TO PLC-1 VIA PB-C.
- 4 3/4" CONDUIT WITH 2#14 TO PLC-1 VIA PB-B.
- 5 3/4" CONDUIT WITH 2/C #18 SH. PR. TO EQCP.
- 6 3/4" CONDUIT WITH 2#14 TO EQCP.
- 7 1" CONDUIT WITH 3#12, 1#12G, 4#14 TO EQCP.
- 8 1" CONDUIT WITH 3#12, 1#12G, 4#14 TO EQCP.
- 9 3/4" CONDUIT WITH VENDOR SUPPLIED CABLE TO FIT-101.
- 10 3/4" CONDUIT WITH 2/C #18 SH. PR. TO PLC-1 VIA PB-D.
- 11 1" CONDUIT WITH 3#10, 1#10G TO MCC-1 VIA PB-F.
- 12 1" CONDUIT WITH (2) 2/C #18 SH. PR. TO PLC-1 VIA PB-D.
- 13 1" CONDUIT WITH 10#14 TO PLC-1 VIA PB-E.
- 14 1" CONDUIT WITH 3#12, 1#12G, 4#14 TO GCP.
- 15 1" CONDUIT WITH 3#10, 1#10G TO MCC-1 VIA PB-F.
- 16 3/4" CONDUIT WITH 4#14 TO PLC-1 VIA PB-E.
- 17 1" CONDUIT WITH (2) 2/C #18 SH. PRS TO PLC-1 VIA PB-C.
- 18 HEAT TRACE 120VAC POWER, 1" CONDUIT WITH 2#10, 1#10G TO LP-47 VIA PB-F.
- 19 HEAT TRACE 120VAC POWER, 1" CONDUIT WITH 2#10, 1#10G TO LP-47 VIA PB-F.
- 20 1" CONDUIT WITH (2) 2/C #18 SH. PRS TO PLC-1 VIA PB-C.

GENERAL NOTES:

1. ALL EXTERIOR, ABOVE GROUND AREAS WIRING SHALL BE WITHIN RIGID GALVANIZED STEEL CONDUIT UNLESS OTHERWISE NOTED. ALL METAL JUNCTION BOXES, PULL BOXES, PANELS, DISCONNECT SWITCHES, ETC. SHALL BE PROVIDED WITH NEMA 4X, STAINLESS STEEL METAL CONSTRUCTION.

CLARIFIER & AERATION POWER & LIGHTING PLAN

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



100% SUBMITTAL

SMR
Electrical, Instrumentation,
& Control Systems Engineering
1075 Inlet Point
Akron, Ohio 44308
Tel: 440-725-0264

THE DRAWINGS FOR THIS PROJECT SHALL NOT BE REUSED OR ALTERED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF SMR ENGINEERING, P.C. ANY REVISIONS SHALL BE MADE BY THE ENGINEER.

SMR ENGINEERING, P.C.



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability
Project # Q-208
Village of Peninsula

MARK	DATE	DESCRIPTION	BY	ISSUE

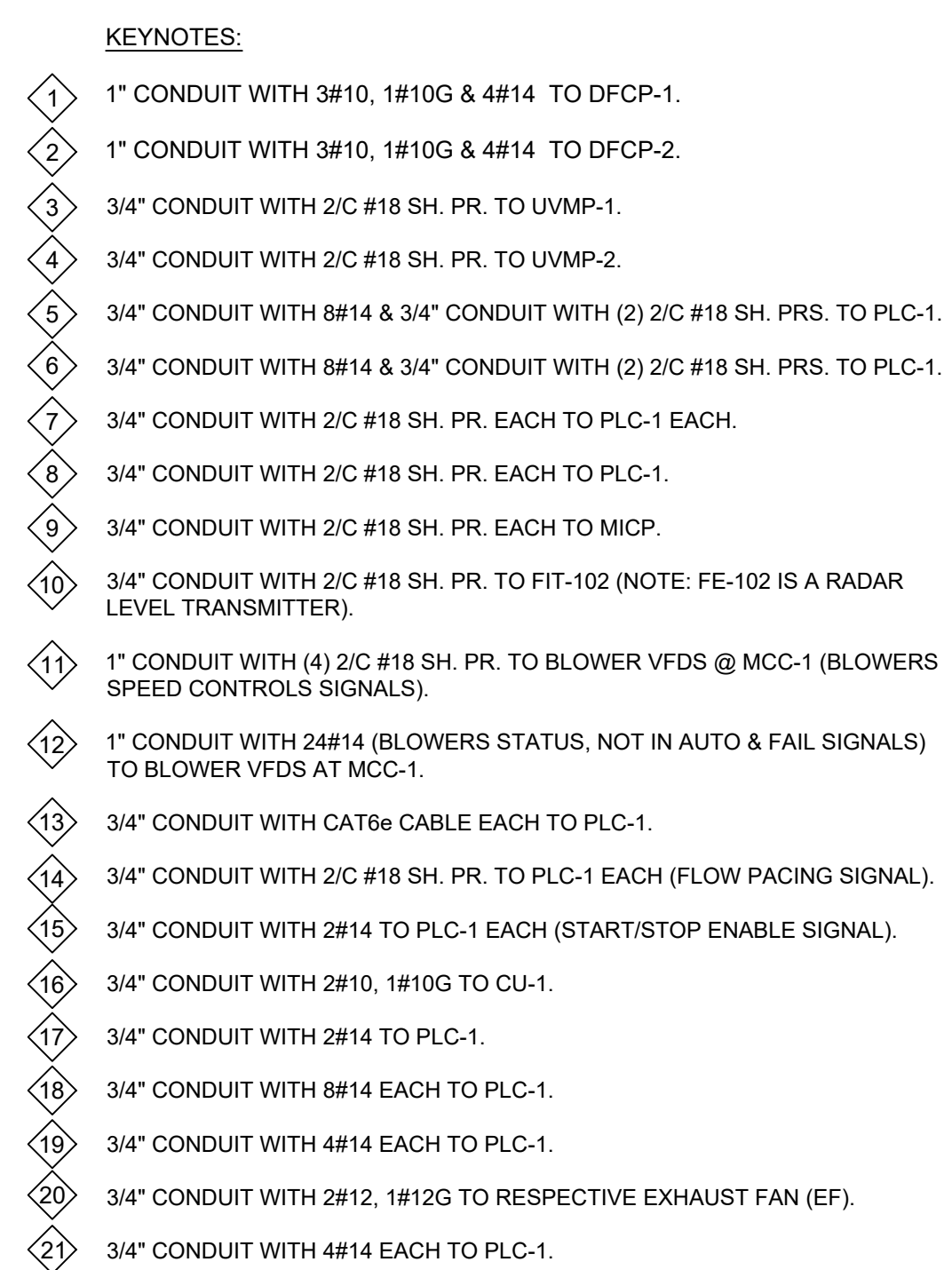
PROJECT NO:	Q-208
DWG FILE:	01-10 Q-000
DRAWN BY:	GMS
DATE:	08/01/25
DESIGNED BY:	SMR
CHECKED BY:	SMR
APPROVED BY:	RCS

SHEET TITLE

CLARIFIER &
AERATION POWER
& LIGHTING PLAN

E-7

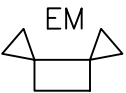

SHEET 73 OF 147




GENERAL NOTES:


1. ALL BUILDING INTERIOR WIRING EXCEPT IN THE ELECTRICAL ROOM, SHALL BE WITHIN RIGID GALVANIZED STEEL CONDUITS EXCEPT AS NOTED. ALL ELECTRICAL PANELS, DISCONNECT SWITCHES, PULL BOXES, JUNCTION BOXES, ETC. SHALL BE PROVIDED WITH NEMA 4X STAINLESS STEEL METAL CONSTRUCTION UNLESS OTHERWISE NOTED. REFER TO SPECIFICATIONS FOR CONDUIT TYPE AND APPLICATION.
2. ALL WIRING IN THE ELECTRICAL ROOM SHALL BE WITHIN RIGID GALVANIZED STEEL CONDUIT. ALL ELECTRICAL PANELS, BOXES, ETC. SHALL BE NEMA 12 CONSTRUCTION.
3. ALL EXTERIOR, ABOVE GROUND AREAS WIRING SHALL BE WITHIN RIGID GALVANIZED STEEL CONDUIT UNLESS OTHERWISE NOTED. ALL METAL JUNCTION BOXES, PULL BOXES, PANELS, DISCONNECT SWITCHES, ETC. SHALL BE PROVIDED WITH NEMA 4X, STAINLESS STEEL METAL CONSTRUCTION.

100% SUBMITTAL


PROJECT LIGHTING FIXTURE SCHEDULE								
TYPE	MANUFACTURER	MODEL NO.	TYPE	COLOR	MOUNTING	VOLTAGE	LAMPS	REMARKS
A	COLUMBIA	LXEM-440-VL-RFA-EU-SS OR APPROVED EQUAL	LED	—	SURFACE	120	LED	
B	HUBBELL	HBL-72L-U-A-2-27K-W-070-ND-GR-ENDG OR APPROVED EQUAL	LED	GRAY	PENDANT	120	LED	MOUNT 12'-0" ABOVE FINISHED FLOOR
C	SPAULDING	LMC-30LU-4K-3-2-PC4 OR APPROVED EQUAL	LED	BLACK	WALL@/SURFACE	120	LED	MOUNT 12'-0" AFG.
D	CROUSE HINDS	EV-LED OR APPROVED EQUAL	LED	GRAY	STANCION	120	LED	
D1	HUBBEL	AL-X-72L-4K-6X6-UNV-WM-DB OR EQUAL	LED	GRAY	SURFACE	120	LED	MOUNT 12'-0" AFG
	CHLORIDE	VNX12L — NEMA 4X OR APPROVED EQUAL	EMERGENCY	GRAY	WALL AT 8'-0"	120	LED	MOUNT SURFACE ON WALL AT 8' A.F.F.
	CHLORIDE	VNLCN R DEM — NEMA 4X OR APPROVED EQUAL	EXIT WITH EMERGENCY	GRAY	WALL AT 8'-0" ABOVE DOOR	120	LED	MOUNT SURFACE ON WALL ABOVE DOOR

KEYNOTES:
 FINAL LIGHTING FIXTURE LOCATIONS TO BE CONFIRMED IN THE FIELD WITH OWNER.


LIGHTING FIXTURE SCHEDULE
SCALE: NONE



Electrical, Instrumentation,
& Control Systems Engineering
1075 Inlet Point
East Akron, Ohio 44302
Tel: 440-725-0264




THE DRAWINGS FOR THIS PROJECT SHALL NOT BE REUSED OR ALTERED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF SMR ENGINEERING, P.C. ANY REVISIONS SHALL BE MADE BY THE ENGINEER.



County of Summit
Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308



burgessniple.com

Environmental Sustainability

Project # Q-208

Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO: Q-208

DWG FILE: 01-10 Q-000

DRAWN BY: GMS

DATE: 08/01/25

DESIGNED BY: SMR

CHECKED BY: SMR

APPROVED BY: RCS

SHEET TITLE

LIGHTING FIXTURE SCHEDULE

E-12

SHEET 78 OF 147



SCALE: NONE



SCALE: NONE

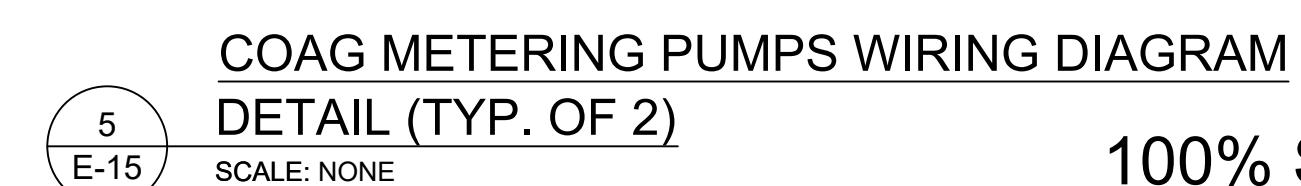
- E-14

SCALE: NONE



SCALE: NONE

SHEET 80 OF 147



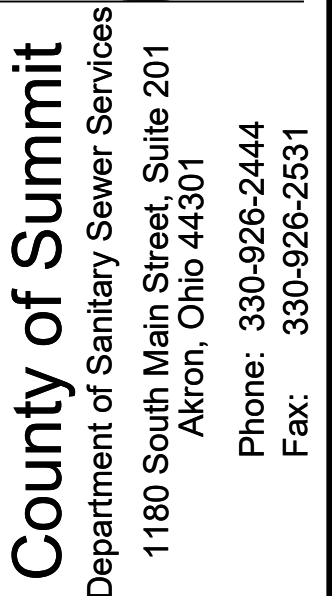
SMR[®]
ENGINEERING, PC

*Electrical, Instrumentation,
& Control Systems Engineering*

10175 Inlet Point
East Aurora, ON L4E 4S2
Tel: (416) 255-0024

THE DRAWING FOR THIS PROJECT SHALL NOT BE REUSED OR ALTERED IN ANY WAY WITHOUT THE WRITTEN APPROVAL AND AUTHORITY OF SMR ENGINEERING, P.C. ANY REVISIONS SHALL BE MADE BY THE ENGINEER.

SMR[®]
ENGINEERING, PC

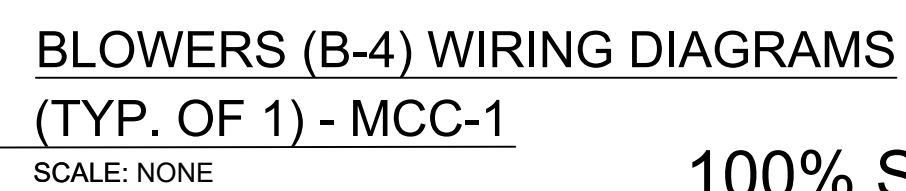
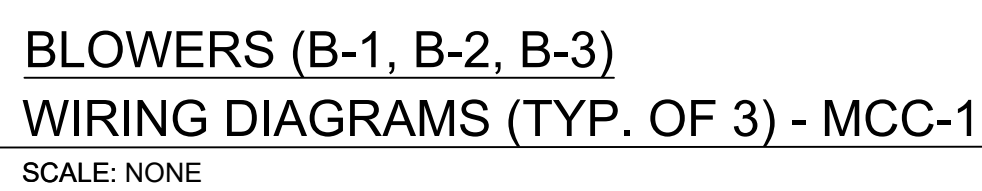
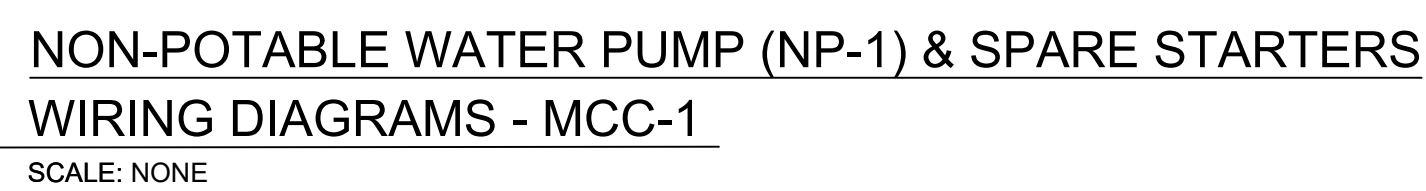


B&N
burgessniple.com

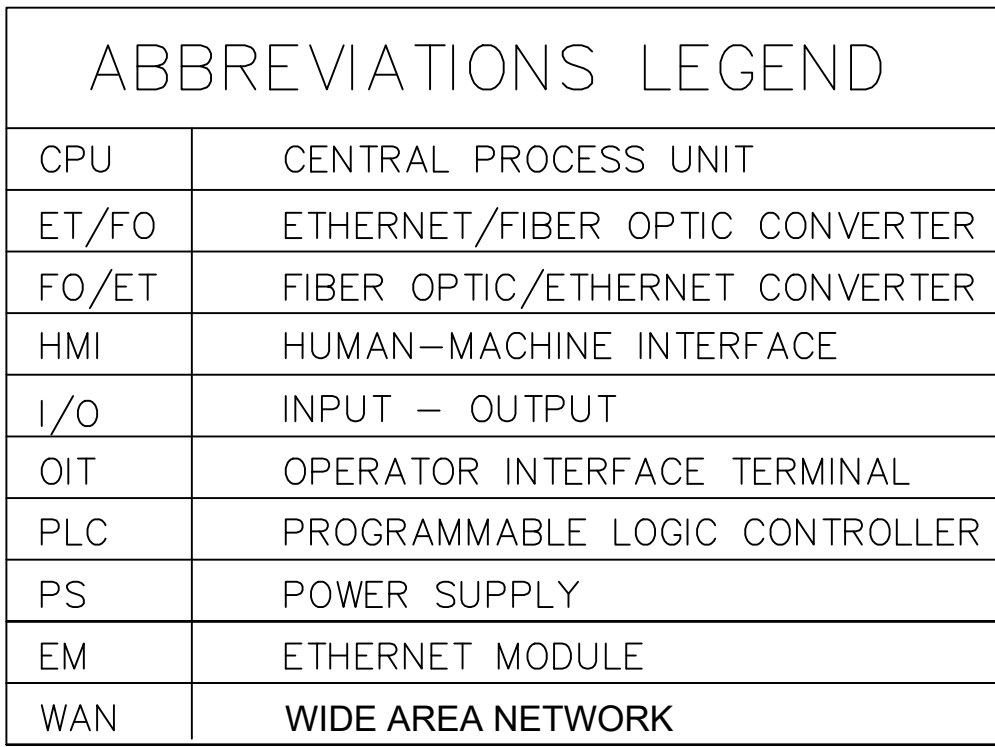
Village of Peninsula

[illegible]

SHEET 81 OF 147



SHEET 82 OF 147



SCALE: 1" = 10'

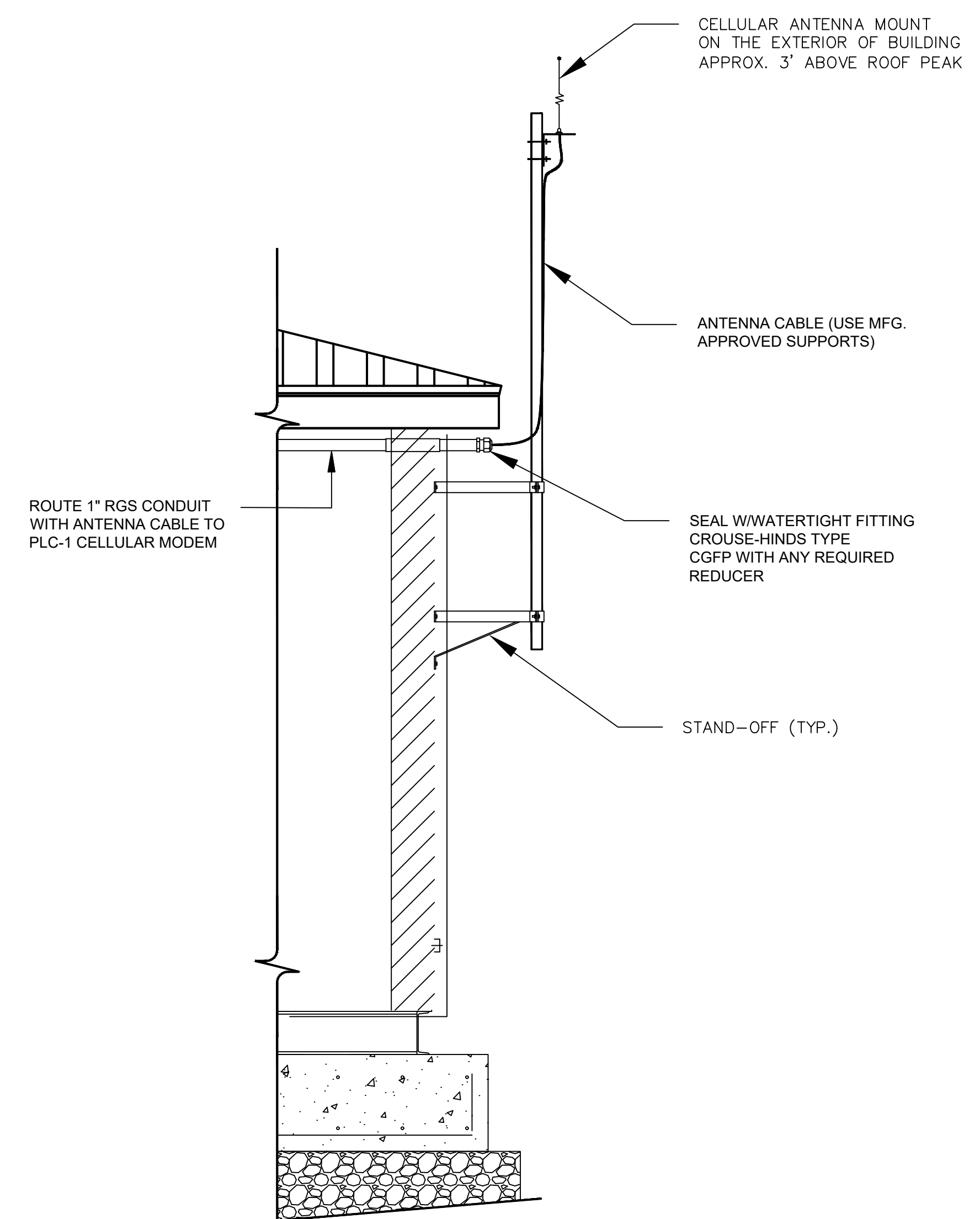
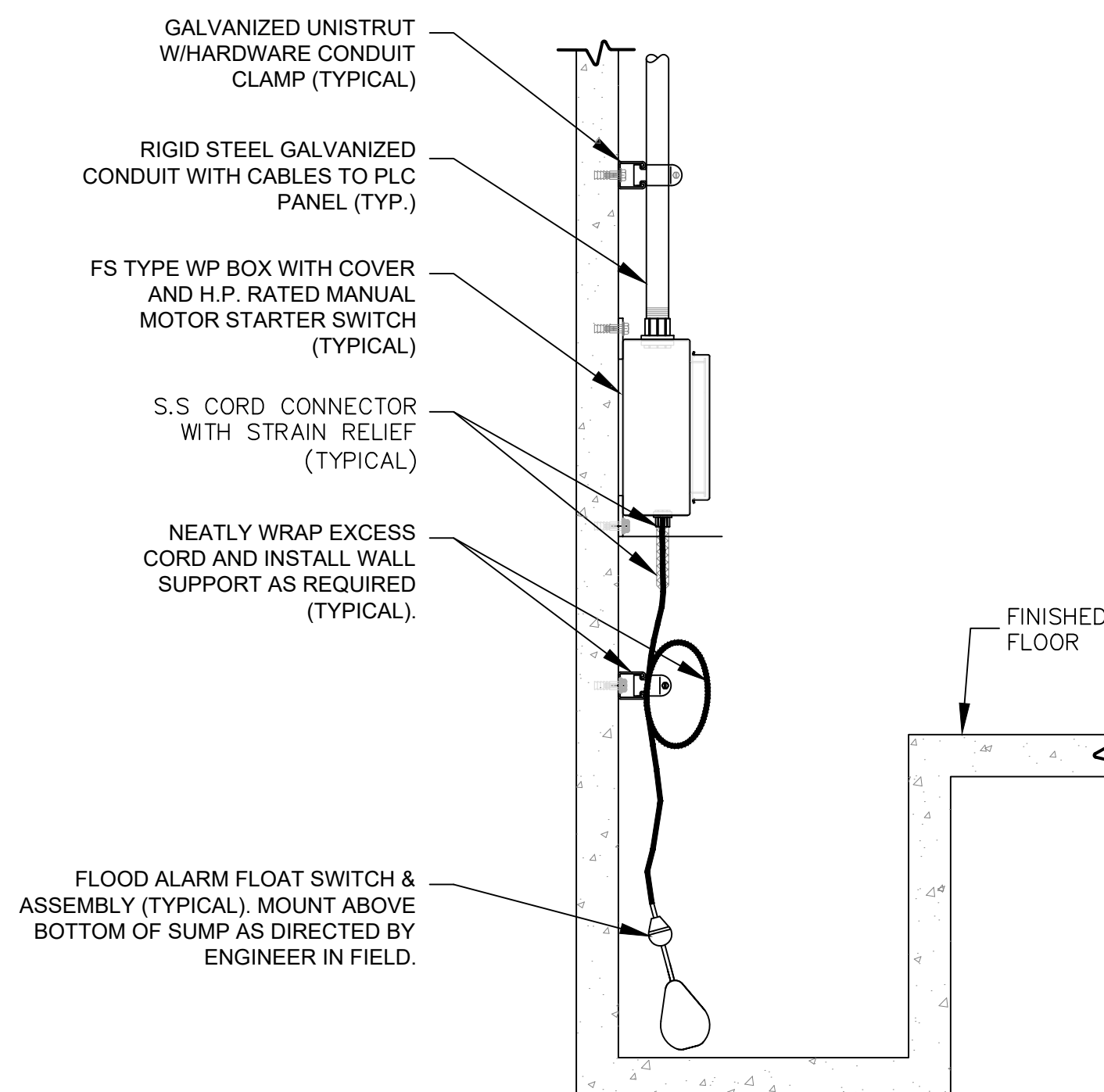
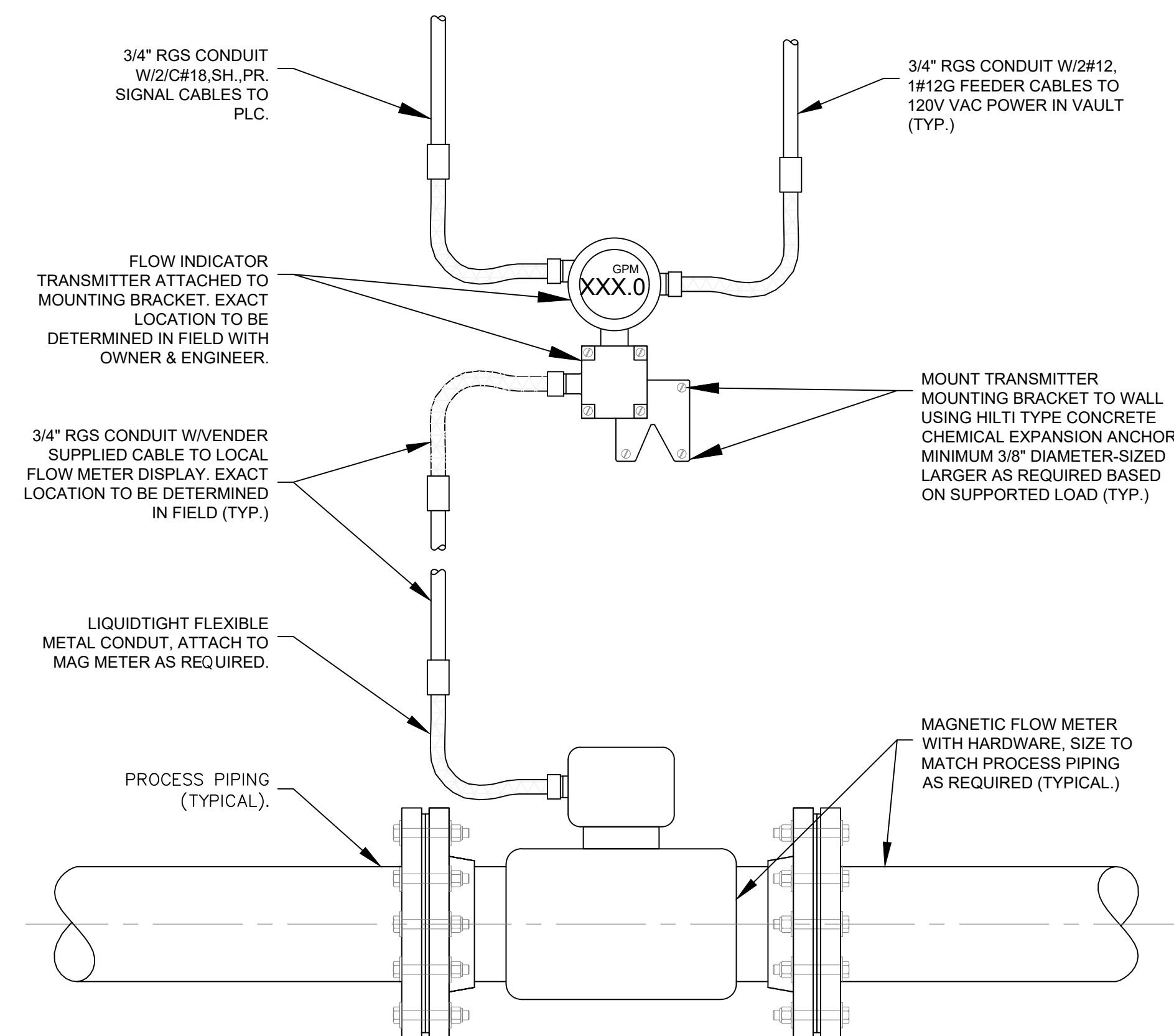
SHEET 84 OF 147

[illegible]

PROJECT NO:	Q-208
DWG FILE:	01-10_Q-000
DRAWN BY:	GMS
DATE:	08/01/25
DESIGNED BY:	SMR
CHECKED BY:	SMR
APPROVED BY:	RCS

SHEET TITLE

SCADA BLOCK DIAGRAM



100% SUBMITTAL

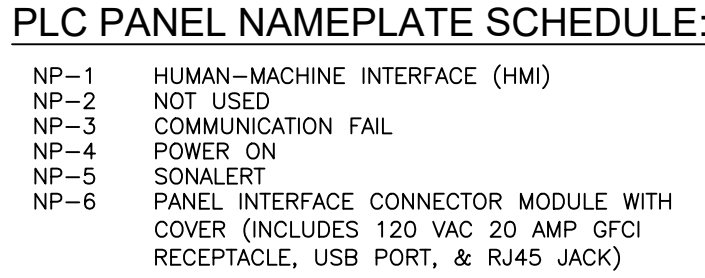
[illegible]








SCALE: NONE



SCALE: NONE



TYPICAL CONTROL PANEL SYMBOLS:

-  INDICATING LIGHTS
 A: AMBER
 B: BLUE
 G: GREEN
 R: RED
 W: WHITE
 Y: YELLOW
-  SELECTOR SWITCH, TWO OR THREE POSITION
-  PUSHBUTTON STATION – MOMENTARY
-  METERING PUMP SPEED POT
-  SONALERT

3 PLC-1 PANEL ELEVATION

SCALE: NONE

100% SUBMITTAL

[illegible]

PROJECT NO:	Q-208
DWG FILE:	01-10_Q-000
DRAWN BY:	GMS
DATE:	08/01/25
DESIGNED BY:	SMR
CHECKED BY:	SMR
APPROVED BY:	RCS

SHEET TITLE

GENERAL NOTES:

1. THE PLC PANEL DOOR MOUNTED DEVICES I/O'S NOT SHOWN FOR CLARITY.

2. ALL PLC INPUTS/OUTPUTS (I/O) FIELD WIRING BETWEEN PLC'S AND FIELD DEVICES, PANELS, MCC'S, ETC. AS SHOWN ON I/O SCHEDULES, POWER PLANS AND DUCT BANK SCHEDULES SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

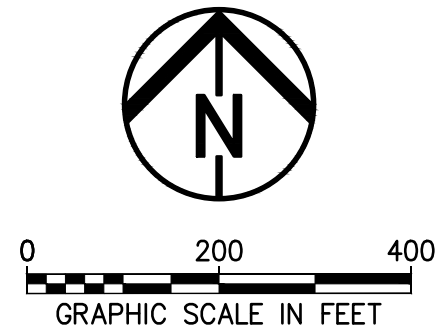
5. ETHERNET AND FIBER OPTIC CABLES SHOWN ON THE SCADA BLOCK DIAGRAM, POWER PLANS AND DUCT BANK SCHEDULES SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. TERMINATION FOR ETHERNET AND FIBER CABLES AT EACH END SHALL BE BY SYSTEM INTEGRATOR.

Village of Peninsula

PROJECT NO:	Q-208
DWG FILE:	01-10_Q-000
DRAWN BY:	GMS
DATE:	08/01/25
DESIGNED BY:	SMR
CHECKED BY:	SMR
APPROVED BY:	RCS

I/O SCHEDULES

SHEET INDEX	
STREET NAME	SHEETS
MAIN STREET	(SS-1) - (SS-13)
DELL ROAD	(SS-14)
BRONSON STREET	(SS-15) - (SS-17)
RIDGEWAY STREET	(SS-18) - (SS-19)
RIVERVIEW ROAD	(SS-20) - (SS-22)
CHURCH STREET	(SS-23)
CENTER STREET	(SS-24) - (SS-25)
CANAL SREET	(SS-26)
AKRON-PENINSULA ROAD	(SS-27) - (SS-29)
LOCUST STREET	(SS-30) - (SS-34)
ORCHARD STREET	(SS-35)
WINKING LIZARD	(SS-36)
MILL STREET	(SS-37) - (SS-38)
GENERAL DIE CASTERS	(SS-39) - (SS-40)



VILLAGE OF PENINSULA



**Environmental
Design Group**
AKRON / CLEVELAND / COLUMBUS
80 450 GRANT ST., AKRON, OH 44311
P 330.375.1390 / TP 800.835.1390
W ENVDESIGNGROUP.COM



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Peninsula Environmental Sustainability

Project # Q-208

In The Village of Peninsula

MARK	DATE	DESCRIPTION	BY

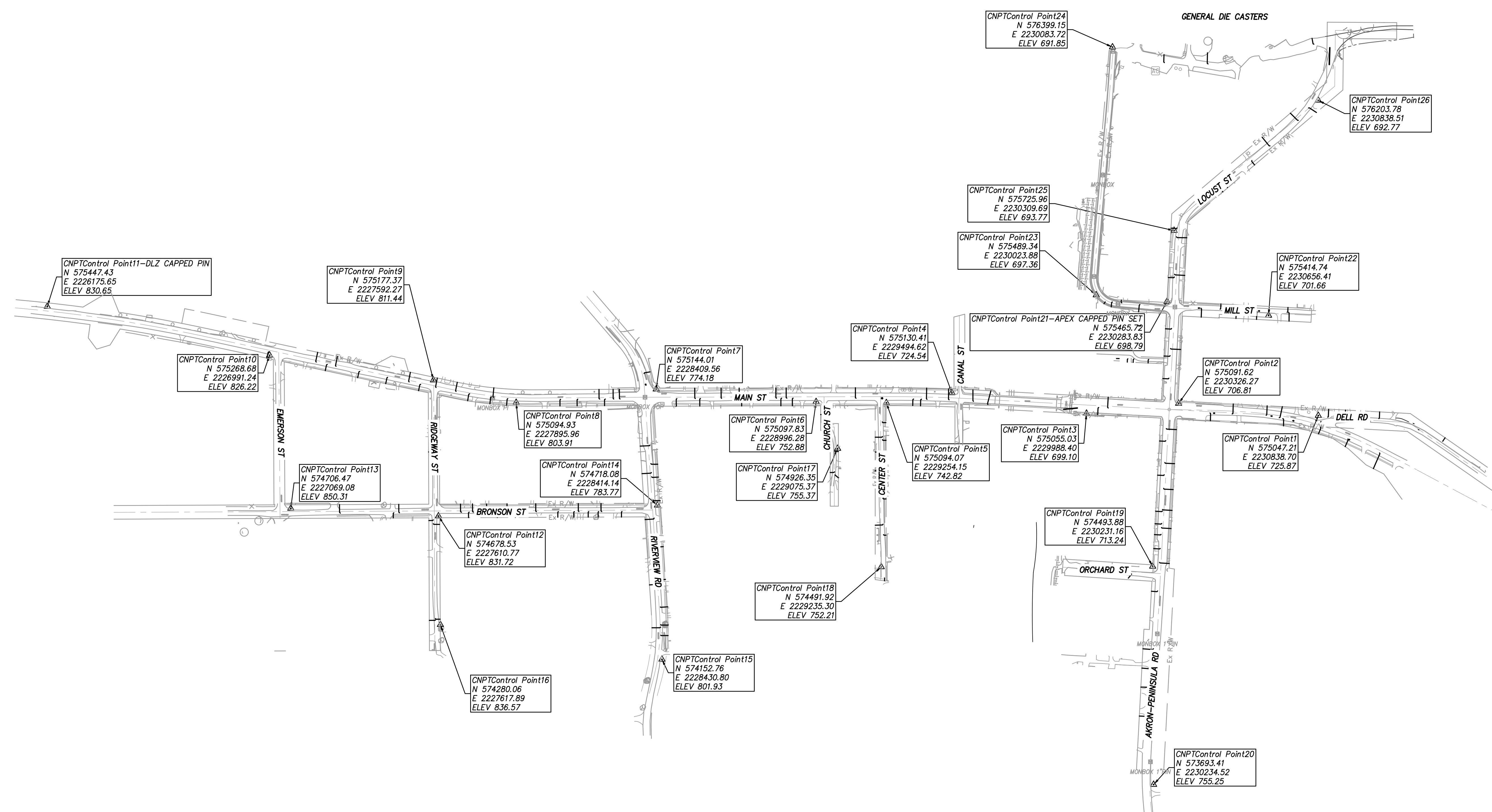
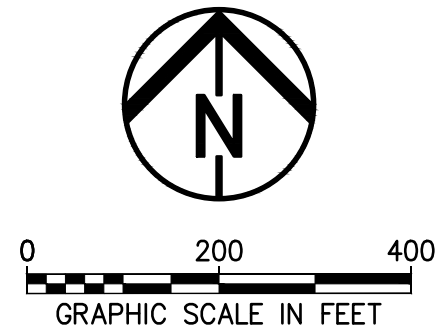
PROJECT NO: Q-208
DWG FILE:
DRAWN BY: EJO
DATE: JUNE 2025
DESIGNED BY: EJO/NTB
CHECKED BY: NTB/JPC
APPROVED BY: SEE

SHEET TITLE

Collection
System
Sheet
Index

SS-2


SHEET 2 OF 62



VILLAGE OF PENINSULA



**Environmental
Design Group**
AKRON / CLEVELAND / COLUMBUS
450 GRANT ST., AKRON, OH 44311
P 330.375.1590 / TP 800.855.1590
W ENVDESIGNGROUP.COM

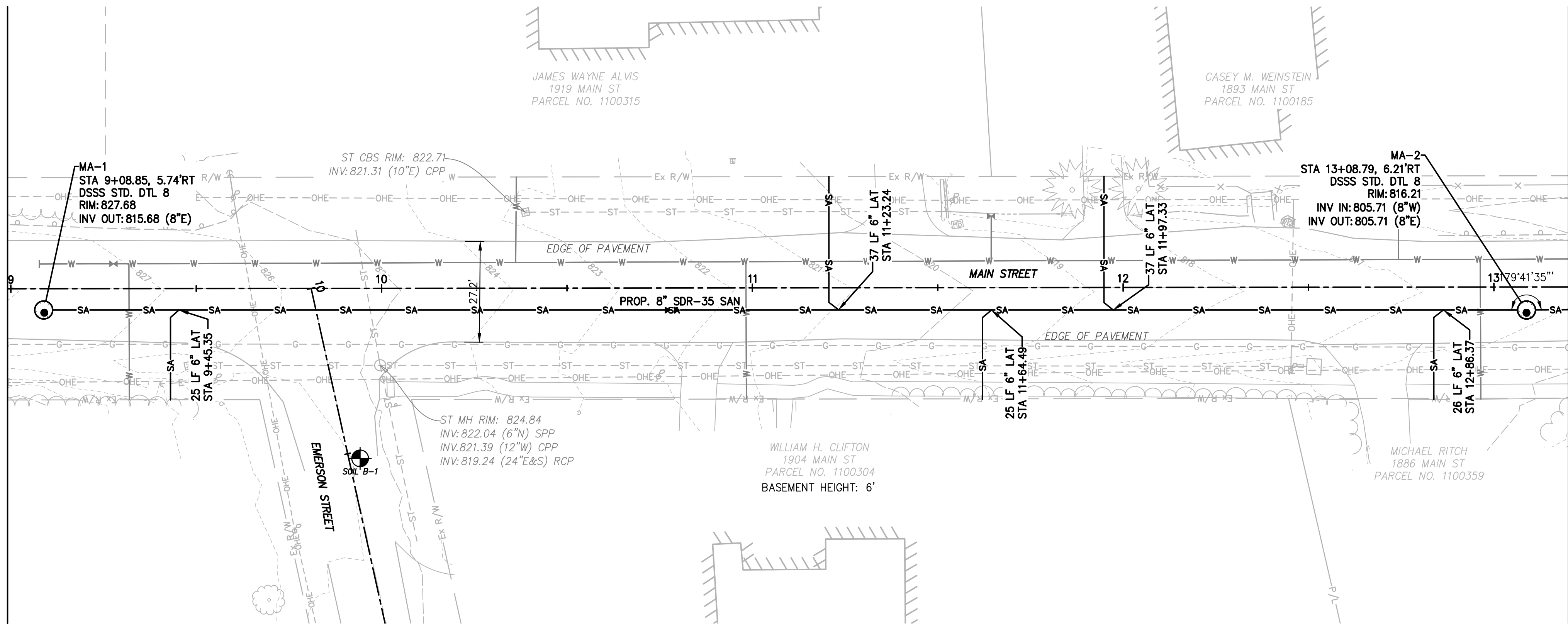


County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

B&N
burgessniple.com

164 S MAIN STREET
AKRON, OHIO 44308

Peninsula Environmental Sustainability		Project # Q-208		In The Village of Peninsula	
				BY	
				DATE	DESCRIPTION
				MARK	ISSUE
PROJECT NO: Q-208					
DWG FILE:					
DRAWN BY: EJO					
DATE: JUNE 2025					
DESIGNED BY: EJO/NTR					
CHECKED BY: NTR/JPC					
APPROVED BY: SEE					
SHEET TITLE					
Survey Control Points					
SS-3					
SHEET 3 OF 62					



S.R. 303 - MAIN STREET (66' R/W)

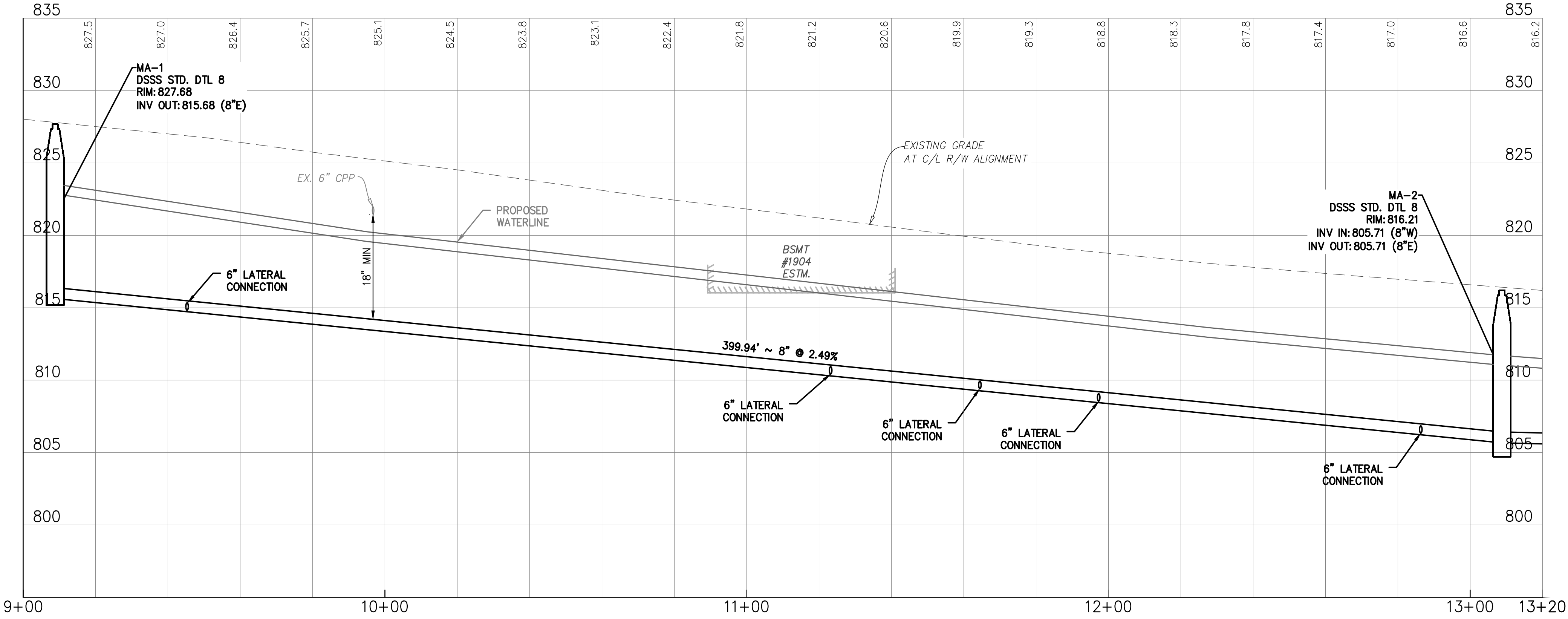
MATCHLINE CL STA. 13+20 - SEE SHEET SS-5

- NOTES:**
- BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
 - STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
 - CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
 - ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH, UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
 - EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

LEGEND (TYP.)

- W — FUTURE WATER LINE
- JACK & BORE PIT
- EXISTING SEPTIC TANK

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
MA-1	575288.8425	2226953.0599
MA-2	575204.4473	2227343.9924



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308



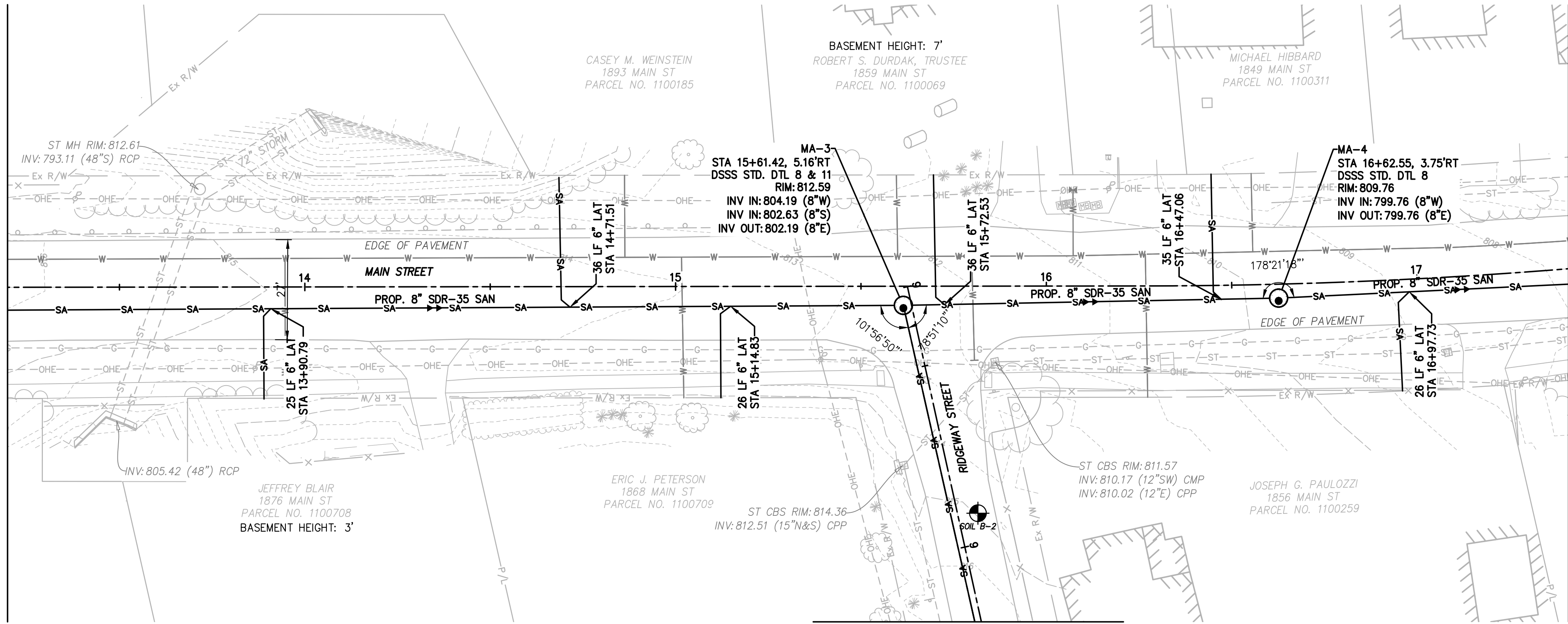
Peninsula Environmental Sustainability
Project # Q-208
In The Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO:	Q-208
DWG FILE:	
DRAWN BY:	EJO
DATE:	JUNE 2025
DESIGNED BY:	EJO/NTB
CHECKED BY:	NTB/JPC
APPROVED BY:	SEE

SHEET TITLE
Collection System Plan & Profile

MATCHLINE CL STA. 13+20 - SEE SHEET SS-4



MATCHLINE CL STA. 17+40 - SEE SHEET SS-6

SEE SHEET SS-19 FOR RIDGEWAY STREET P & P

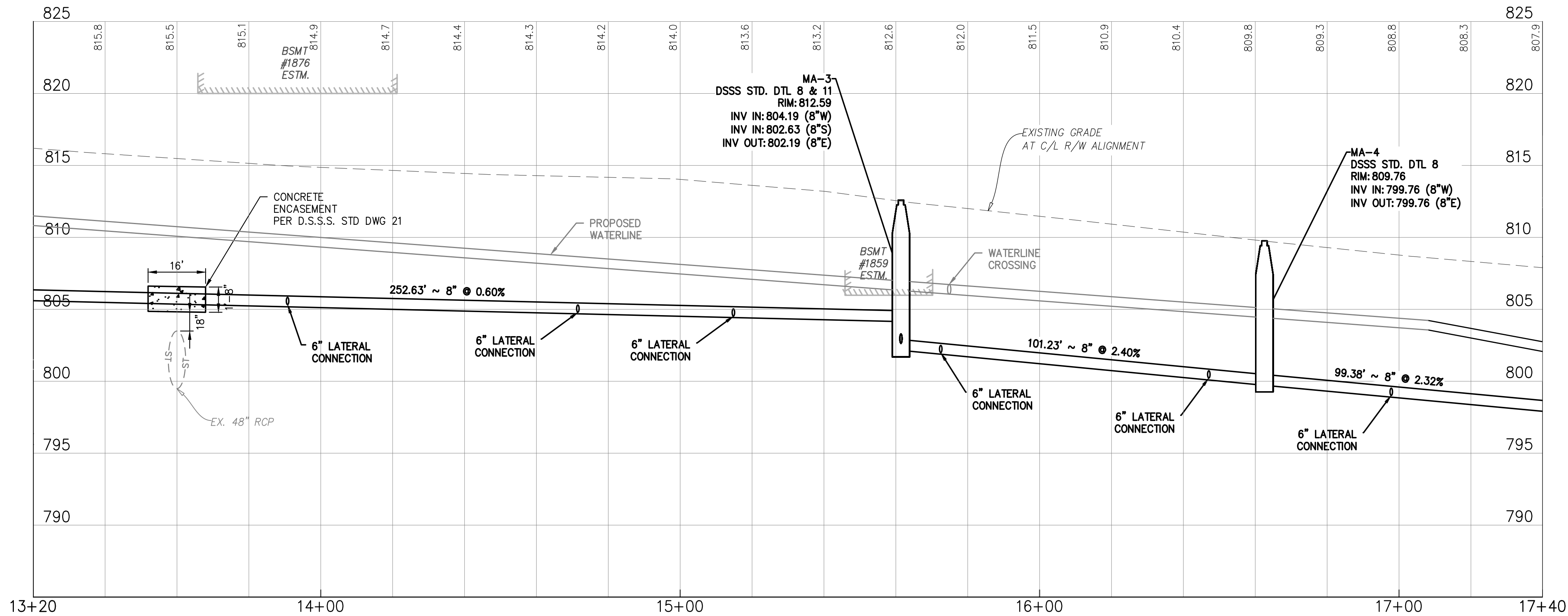
S.R. 303 - MAIN STREET (66' R/W)

- NOTES:**
- BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
 - STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
 - CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
 - ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH, UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
 - EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

LEGEND (TYP.)

- W — FUTURE WATER LINE
- JACK & BORE PIT
- EXISTING SEPTIC TANK

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
MA-3	575152.4594	2227591.2202
MA-4	575133.0131	2227690.5664



GRAVITY SEWER PROFILE

C/L/R/ALIGNMENT

SCALE: 1" = 20' (HORIZ), 1" = 5' (VERT)



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Peninsula Environmental Sustainability
Project # Q-208
In The Village of Peninsula

MARK	DATE	DESCRIPTION	BY

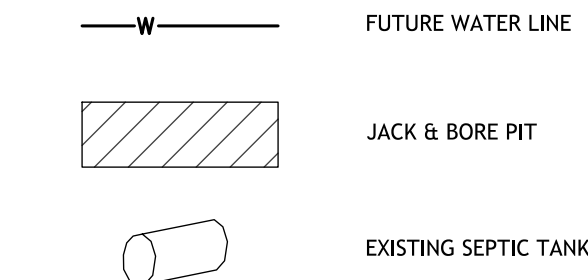
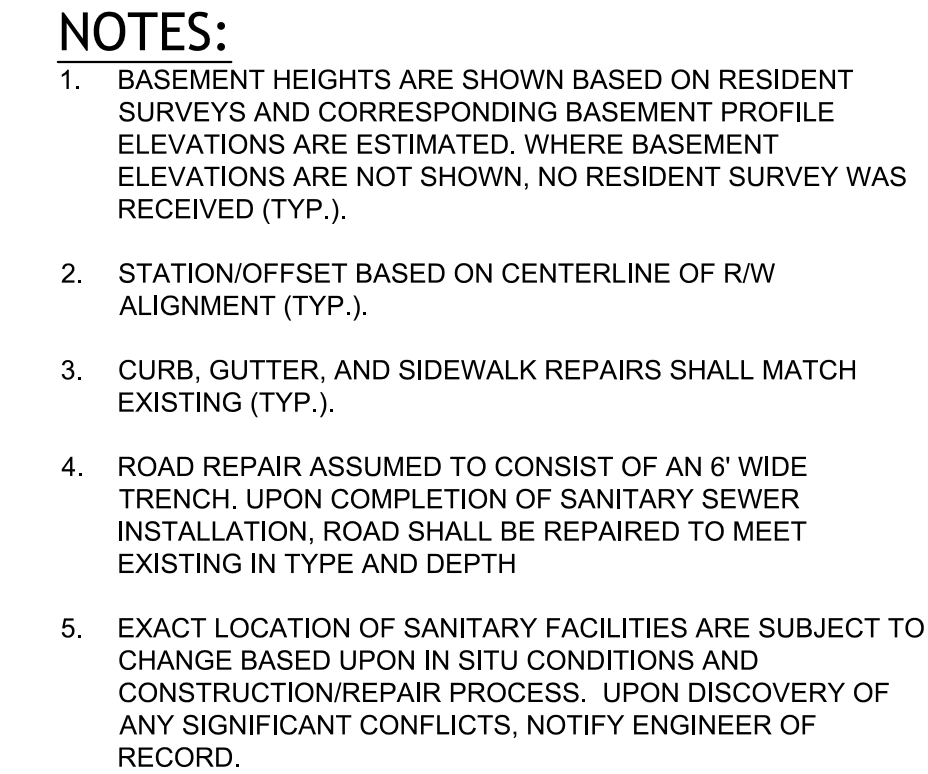
PROJECT NO: Q-208
DWG FILE:
DRAWN BY: EJO
DATE: JUNE 2025
DESIGNED BY: EJO/NTB
CHECKED BY: NTB/JPC
APPROVED BY: SEE

SHEET TITLE

Collection
System
Plan & Profile

SS-5

SHEET 5 OF 62



MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
MA-8	575108.7268	2228379.9096



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Peninsula Environmental Sustainability

Project # Q-208

In The Village of Peninsula

[illegible]

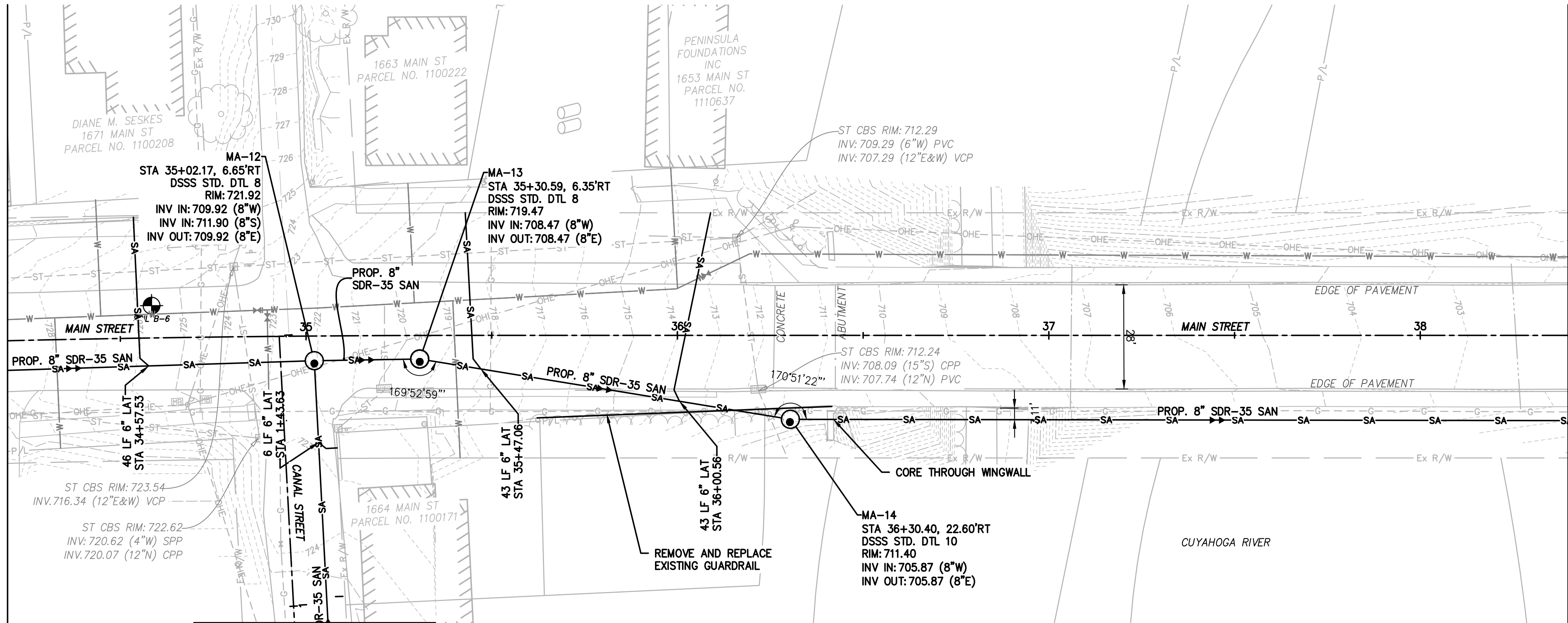
PROJECT NO: Q-208	
DWG FILE:	
DRAWN BY:	EJO
DATE:	JUNE 2025
DESIGNED BY:	EJO/NTB
CHECKED BY:	NTB/JPC
APPROVED BY:	SEE

SHEET TITLE

Collection System Plan & Profile

SS-7

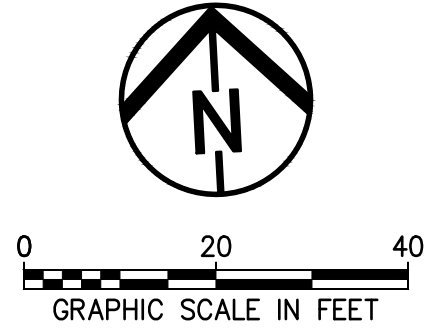
MATCHLINE CL STA. 34+20 - SEE SHEET SS-9



SEE SHEET SS-26 FOR CANAL ST P&P

S.R. 303 - MAIN STREET (66' R/W)

MATCHLINE CL STA. 38+40 - SEE SHEET SS-11

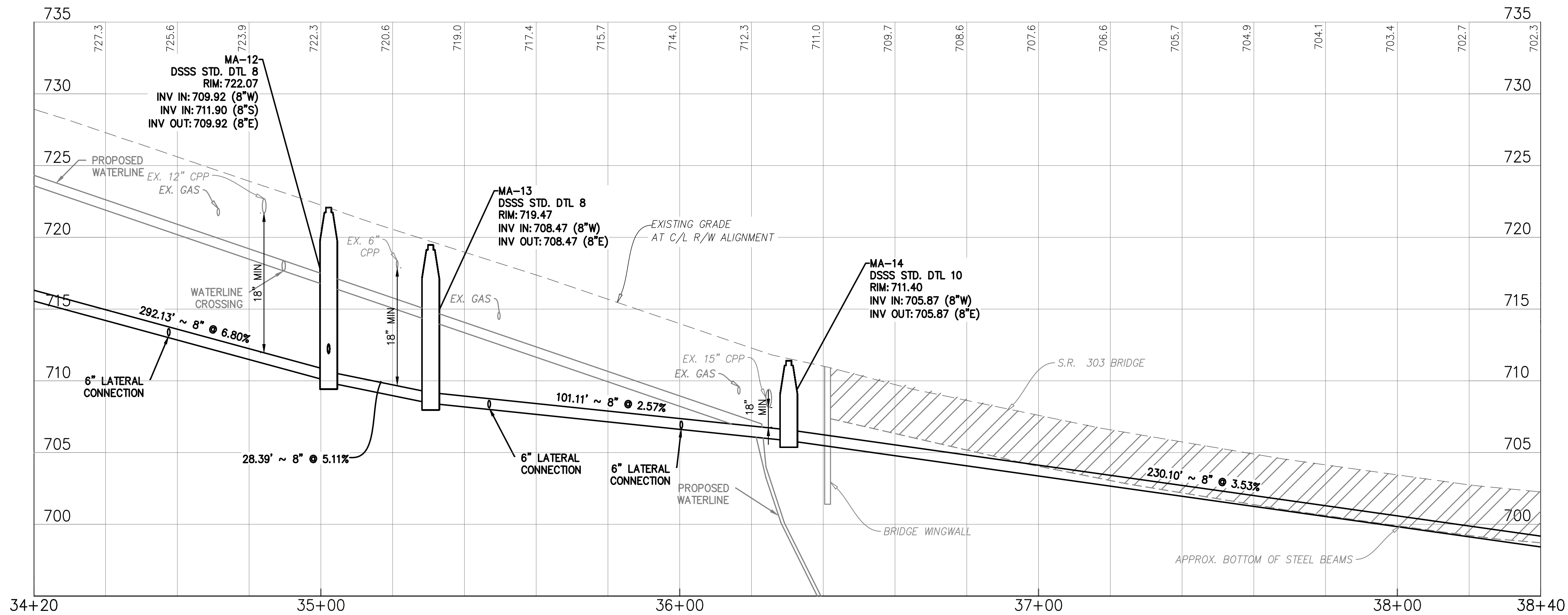


- NOTES:**
- BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
 - STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
 - CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
 - ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH. UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
 - REFER TO SHEETS AS-1 AND AS-2 FOR AERIAL SEWER CROSSING DETAILS.

LEGEND (TYP.)

- W — FUTURE WATER LINE
- JACK & BORE PIT
- EXISTING SEPTIC TANK

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
MA-12	575104.0859	2229530.4259
MA-13	575103.0416	2229557.2851
MA-14	575081.4274	2229656.0565



GRAVITY SEWER PROFILE

C/L R/W ALIGNMENT

SCALE: 1" = 20' (HORIZ), 1" = 5' (VERT)



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Peninsula Environmental Sustainability
Project # Q-208
In The Village of Peninsula

MARK	DATE	DESCRIPTION	BY	ISSUE

PROJECT NO: Q-208
DWG FILE: EJO
DRAWN BY: EJO
DATE: JUNE 2025
DESIGNED BY: EJO/NTB
CHECKED BY: NTB/JPC
APPROVED BY: SEE

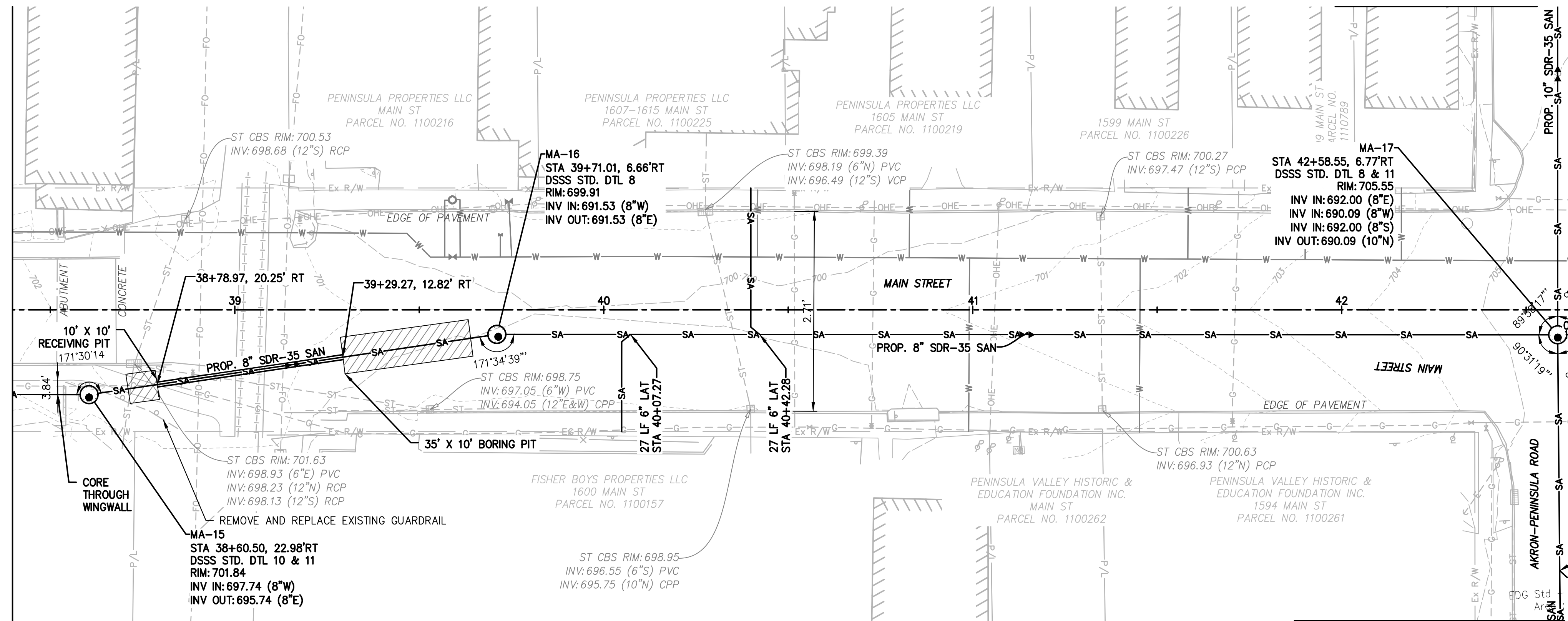
SHEET TITLE

Collection System
Plan & Profile

SS-10

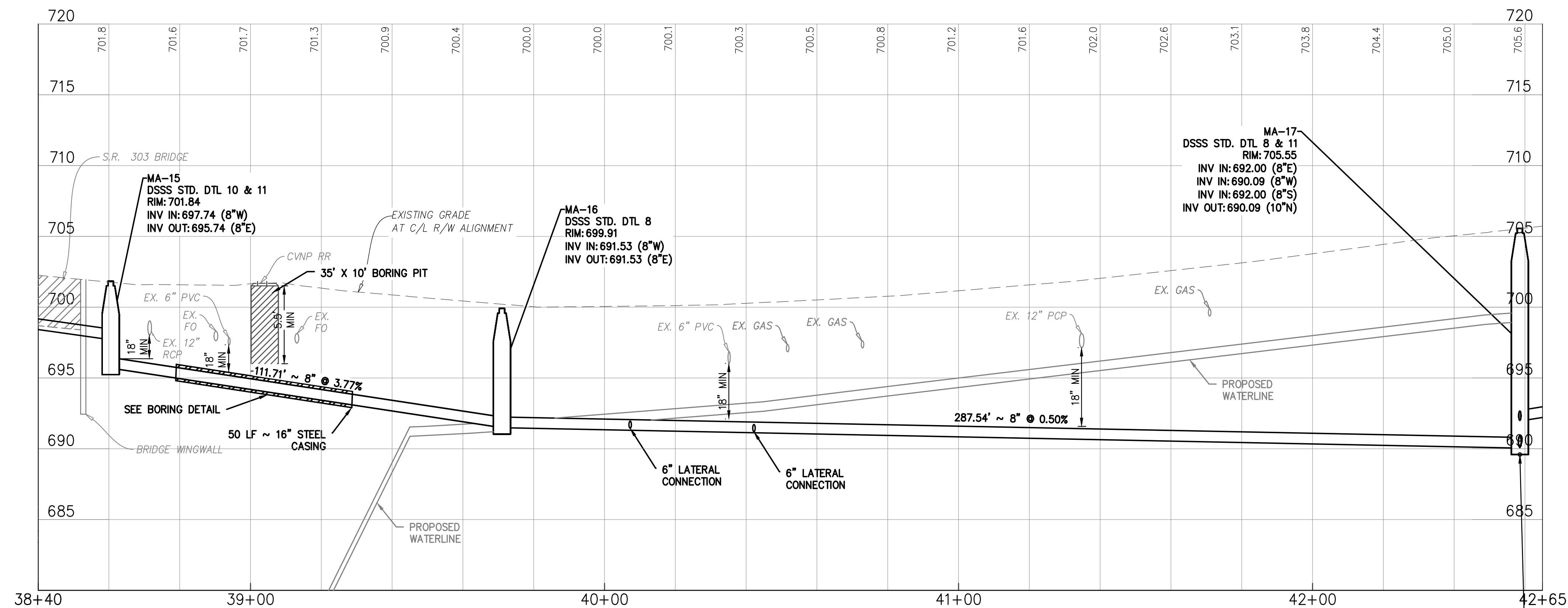
SHEET 10 OF 62

MATCHLINE CL STA. 38+40 - SEE SHEET SS-10



SEE SHEET SS-30 FOR AKRON-PENINSULA ROAD P & P

S.R. 303 - MAIN STREET (66' R/W)



GRAVITY SEWER PROFILE

C/L R/W ALIGNMENT

SCALE: 1" = 20' (HORIZ), 1" = 5' (VERT)

SEE SHEET SS-30 FOR LOCUST STREET P & P

MATCHLINE CL STA. 42+60 - SEE SHEET SS-12

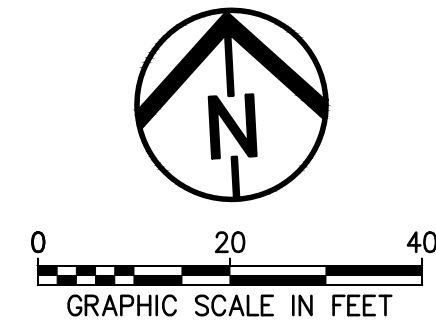
NOTES:

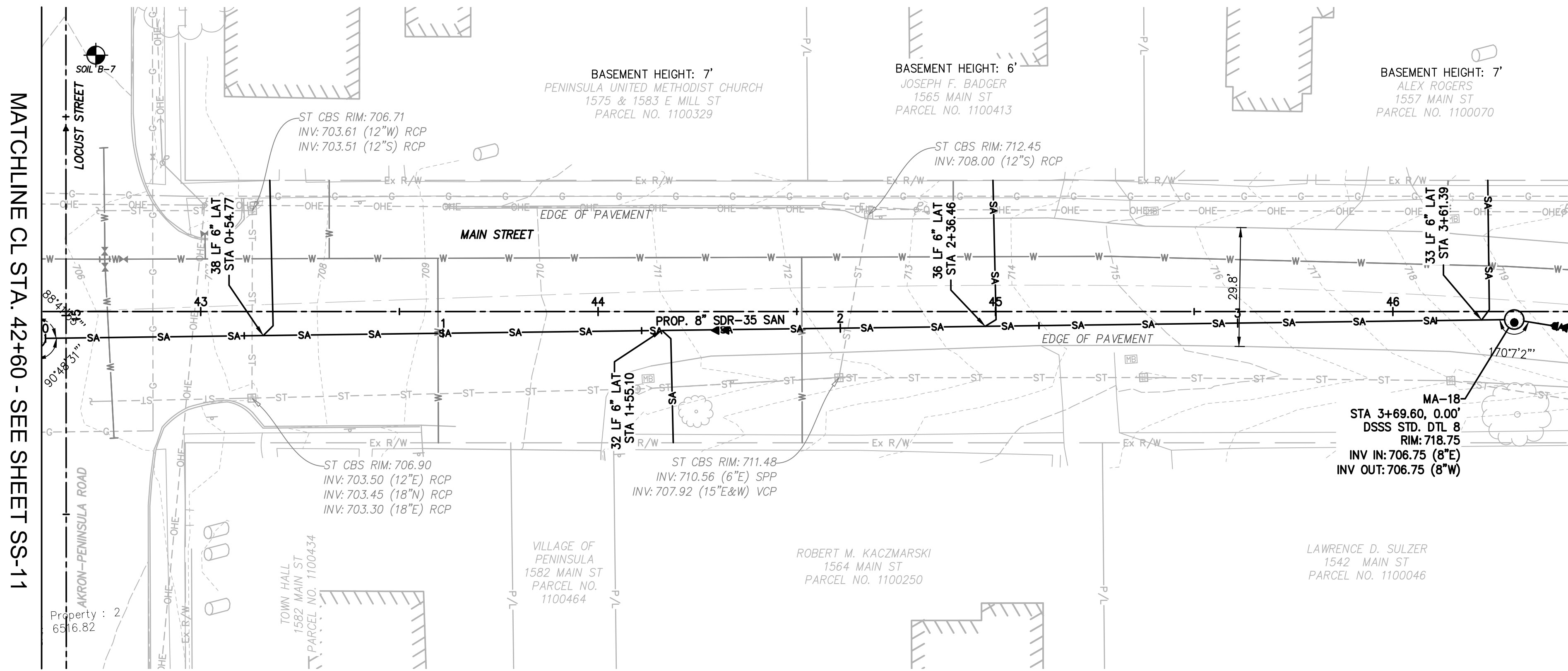
- REFER TO SHEETS AS-1 AND AS-2 FOR AERIAL SEWER CROSSING DETAILS.
- 16" STEEL CASING SHALL BE NO LESS THAN 25' FROM RAILROAD CENTERLINE ON BOTH SIDES OF TRACKS.
- CONTRACTOR SHALL NOT DISTURB ANY GROUND WITHIN 25' OF RAILROAD CENTERLINE.
- ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH, UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
- EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.
- CONTRACTOR SHALL COORDINATE WITH CUYAHOGA VALLEY NATIONAL PARK (CVNP) TO ESTABLISH SAFETY PROTOCOLS, TIMING OF WORK, TRACK PROTECTION REQUIREMENTS, AND OTHER LOGISTICS. PLAN FOR WORK DURING OFF-PEAK HOURS OR WHEN TRAIN TRAFFIC IS MINIMIZED, IF POSSIBLE, TO REDUCE RISK TO WORKERS.
- TOP OF CASING PIPE SHALL BE 5'-6" BELOW BOTTOM OF RAIL TIE.
- CONTRACTOR SHALL VERIFY DEPTH OF FIBER OPTIC LINES AND WARNING SYSTEM FOUNDATIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY POTENTIAL CONFLICTS IMMEDIATELY.
- CONTRACTOR SHALL PROTECT RAILROAD AND RAILROAD PROPERTY THROUGHOUT THE CONSTRUCTION PROCESS.
- BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
- STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
- CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).

LEGEND (TYP.)

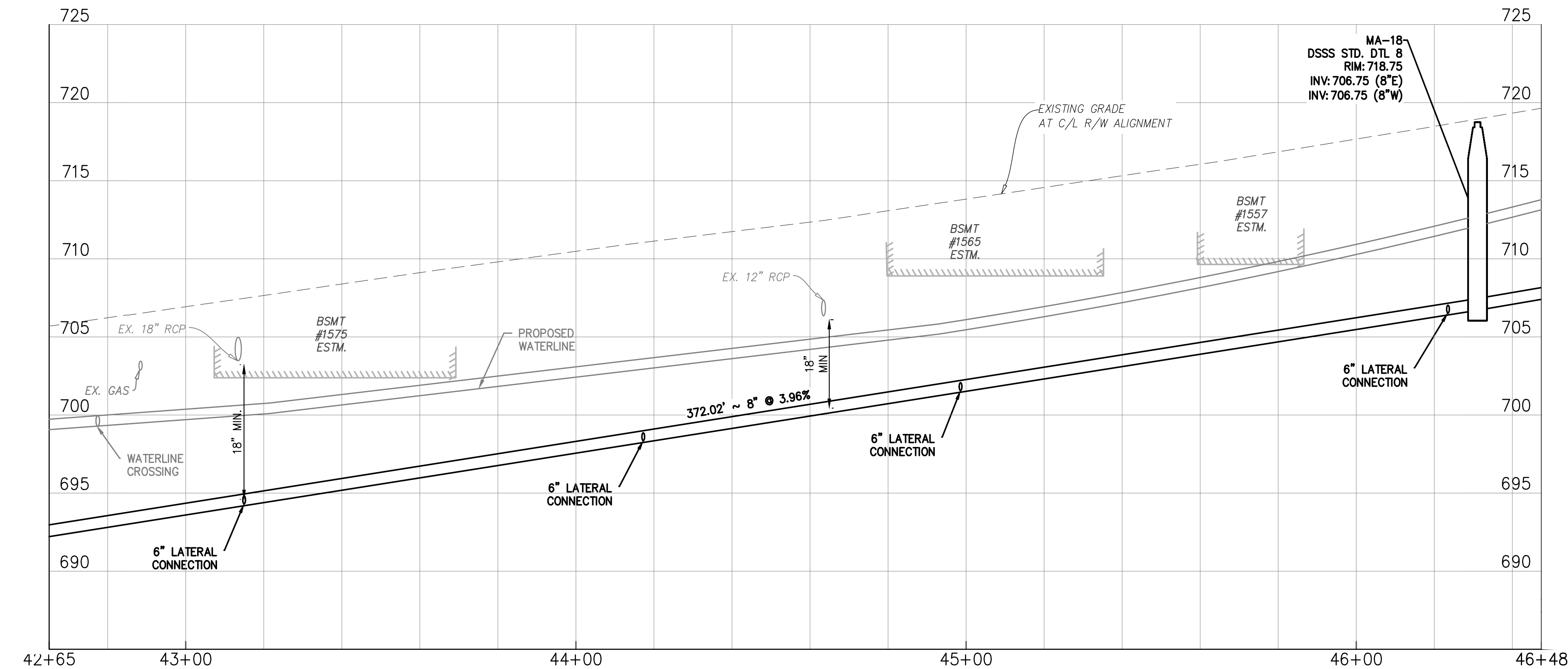
- FUTURE WATER LINE
- JACK & BORE PIT
- EXISTING SEPTIC TANK

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
MA-15	575068.5850	2229885.7974
MA-16	575078.8974	2229997.0305
MA-17	575063.2191	2230284.1430



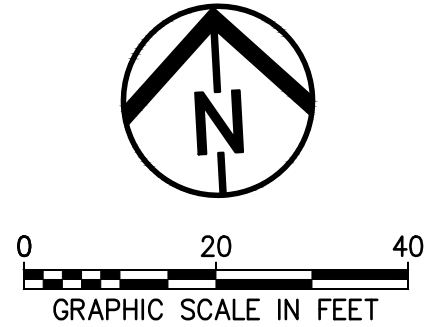


S.R. 303 - MAIN STREET (66' R/W)



GRAVITY SEWER PROFILE

C/L R/W ALIGNMENT
SCALE: 1" = 20' (HORIZ), 1" = 5' (VERT)



- NOTES:**
- BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
 - STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
 - CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
 - ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH, UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
 - EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

LEGEND (TYP.)

- W — FUTURE WATER LINE
- JACK & BORE PIT
- EXISTING SEPTIC TANK

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
MA-18	575053.2298	2230602.8592



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308
B&N
burgessniple.com

Peninsula Environmental Sustainability
Project # Q-208
In The Village of Peninsula

MARK	DATE	DESCRIPTION	BY

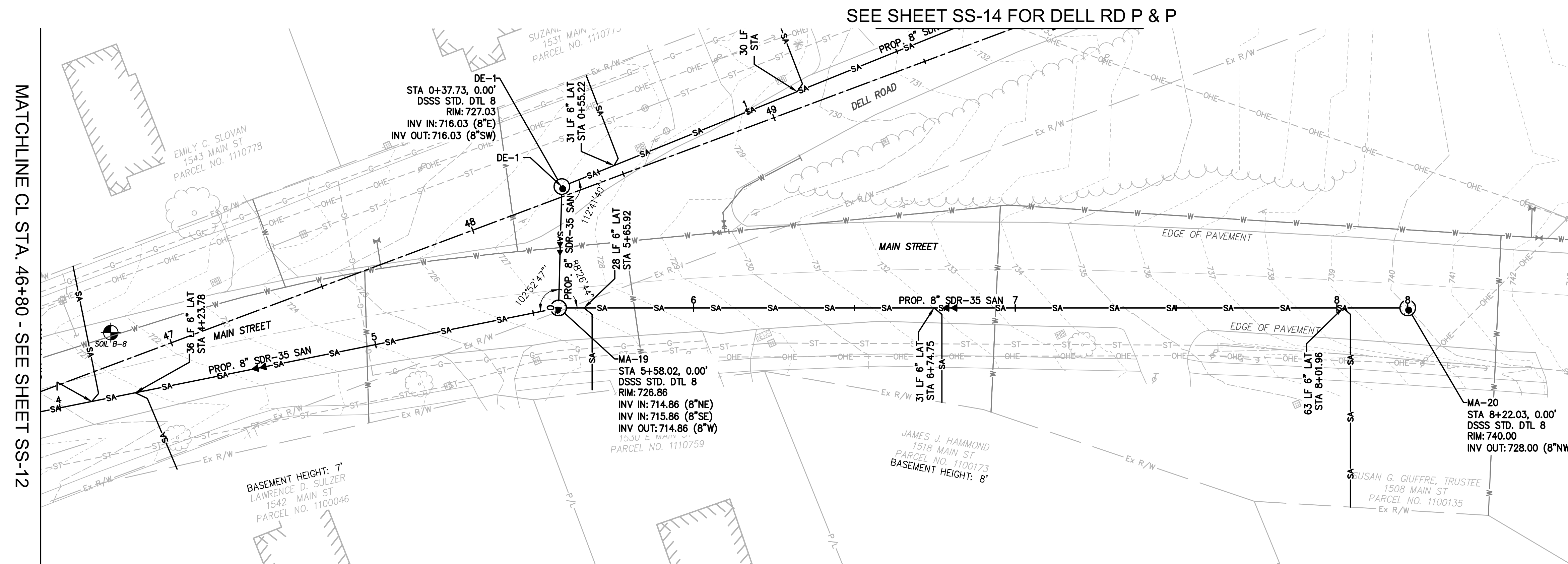
PROJECT NO: Q-208
DWG FILE:
DRAWN BY: EJO
DATE: JUNE 2025
DESIGNED BY: EJO/NTB
CHECKED BY: NTR/JPC
APPROVED BY: SEE

SHEET TITLE

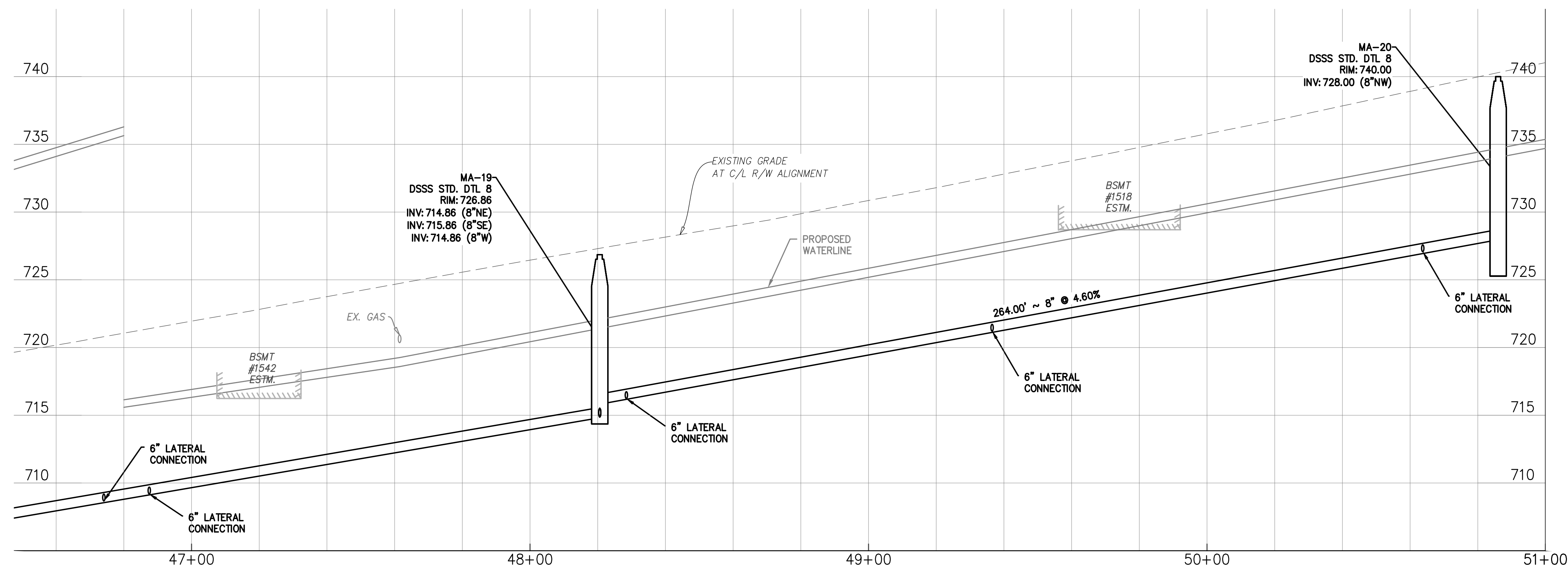
Collection
System
Plan & Profile

SS-12

SHEET 12 OF 62



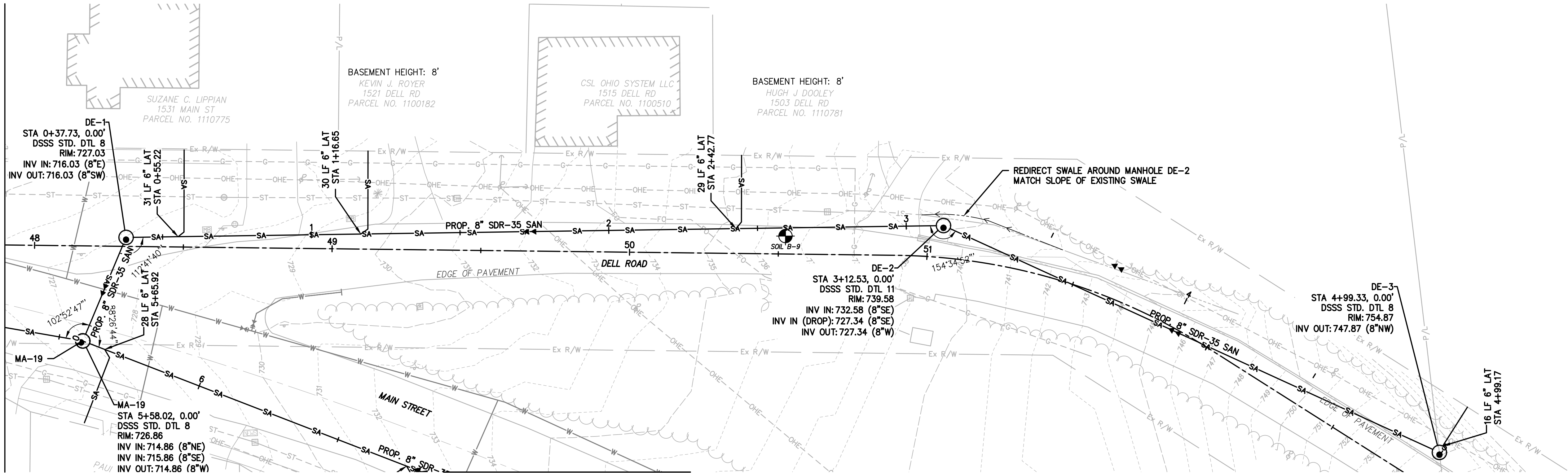
MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
MA-19	575007.8272	2230839.9699
MA-20	574902.2178	2231081.9287



C/L R/W ALIGNMENT

SCALE: 1" = 20' (HORIZ), 1" = 5' (VERT.)

SEE SHEET SS-13 FOR MAIN STREET P & P



SEE SHEET SS-13 FOR MAIN STREET P & P

DELL ROAD (66' R/W)

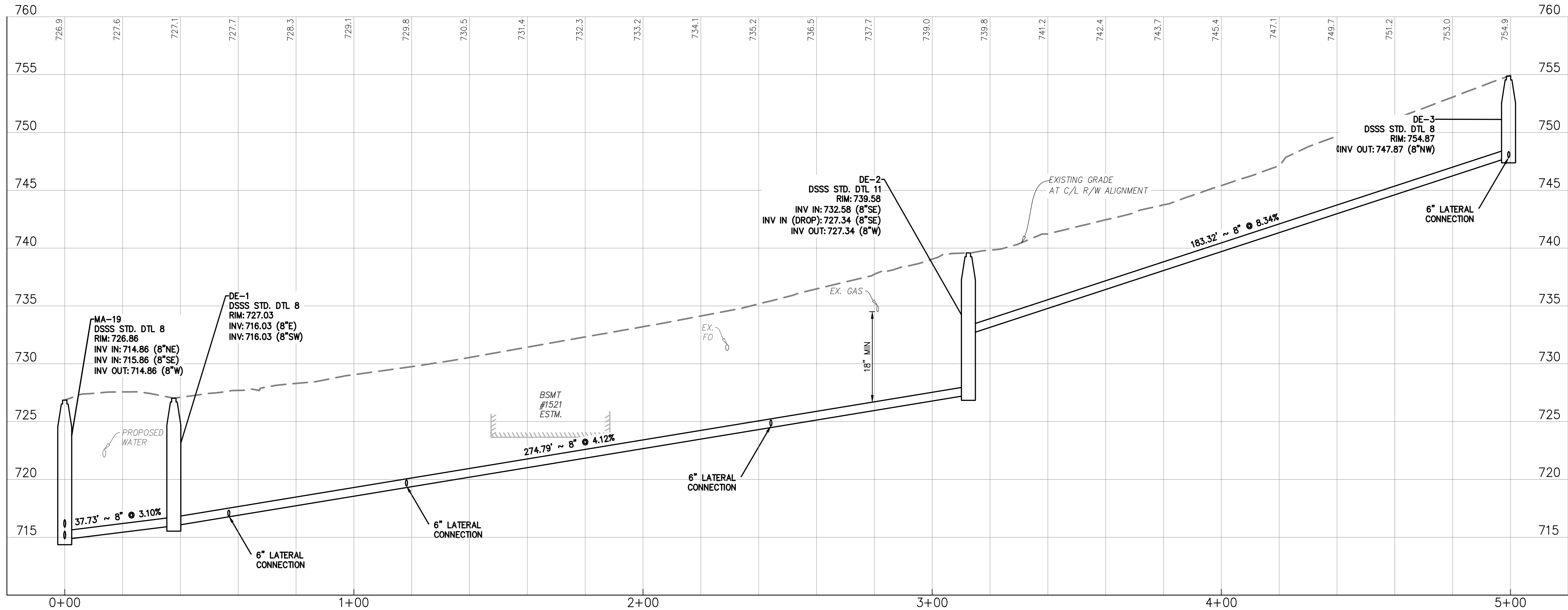
NOTES:

- BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
- STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
- CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
- ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH. UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
- EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

LEGEND (TYP.)

- W — FUTURE WATER LINE
- JACK & BORE PIT
- EXISTING SEPTIC TANK

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
DE-1	575041.9868	2230855.9966
DE-2	575034.2653	2231130.6825
DE-3	574950.9589	2231293.9764



GRAVITY SEWER PROFILE

C/L R/W ALIGNMENT

SCALE: 1" = 20' (HORIZ), 1" = 5' (VERT)



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

184 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Peninsula Environmental Sustainability

Project # Q-208

In The Village of Peninsula

MARK	DATE	DESCRIPTION	BY	ISSUE

PROJECT NO: Q-208
DWG FILE:
DRAWN BY: EJO
DATE: JUNE 2025
DESIGNED BY: EJO/NTB
CHECKED BY: NTB/JPC
APPROVED BY: SEE

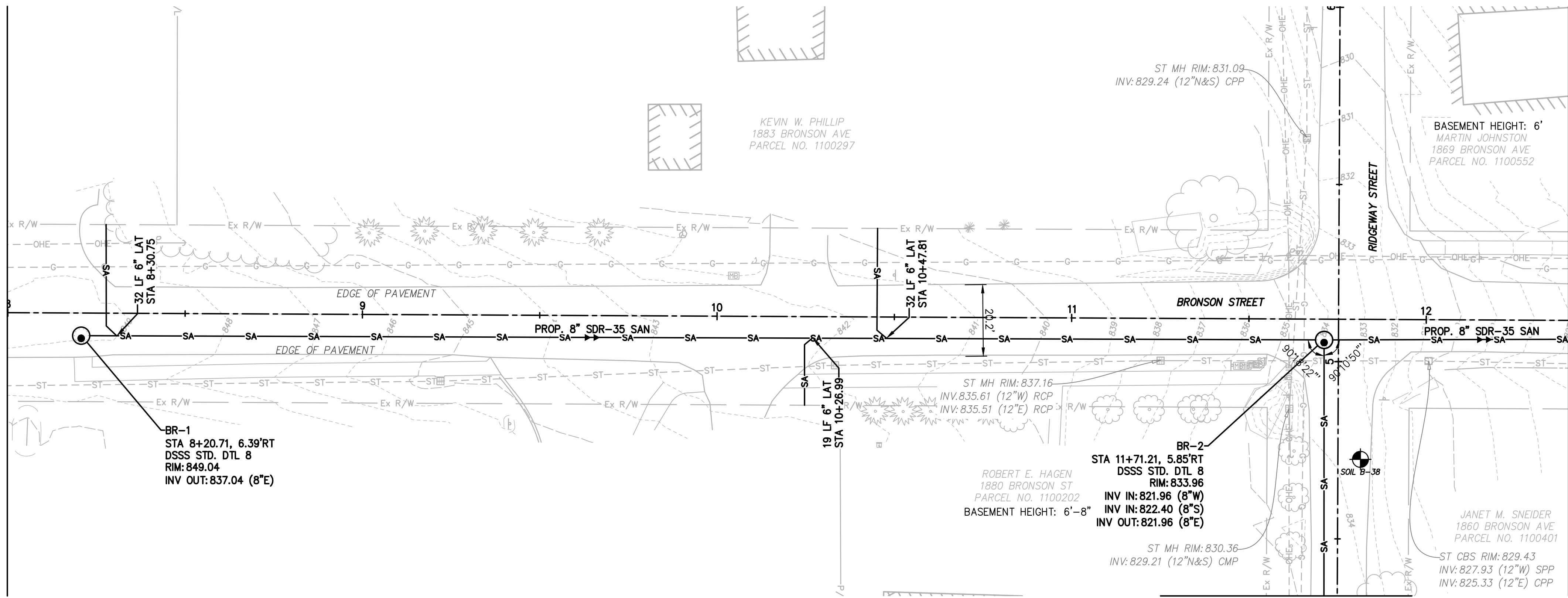
SHEET TITLE

Collection
System
Plan & Profile

SS-14

SHEET 14 OF 62

100 % SUBMITTAL



MATCHLINE CL STA. 12+40 - SEE SHEET SS-16

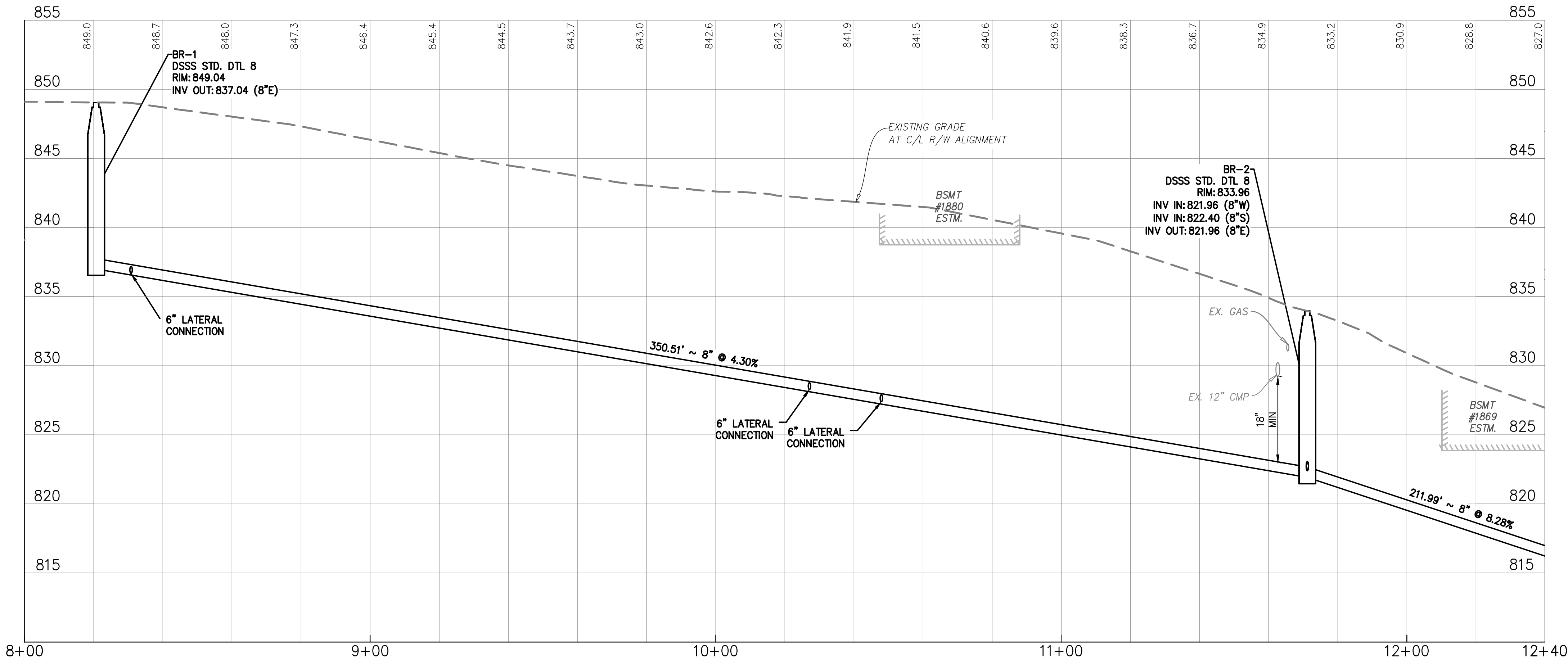
- NOTES:
1. BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
 2. STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
 3. CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
 4. ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH, UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
 5. EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

LEGEND (TYP.)

- W — FUTURE WATER LINE
- [Hatched Box] JACK & BORE PIT
- [Circle with X] EXISTING SEPTIC TANK

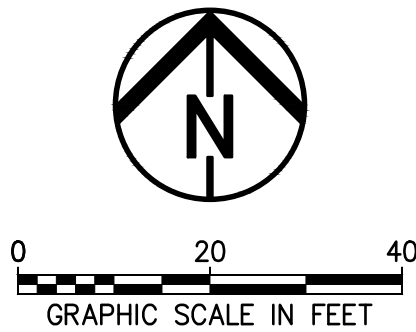
SEE SHEET SS-18 FOR RIDGEWAY STREET P & P

BRONSON STREET (50' R/W)



GRAVITY SEWER PROFILE

C/L R/W ALIGNMENT
SCALE: 1" = 20' (HORIZ), 1" = 5' (VERT)



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308



Peninsula Environmental Sustainability
Project # Q-208
In The Village of Peninsula

MARK	DATE	DESCRIPTION	BY	ISSUE

PROJECT NO: Q-208
DWG FILE:
DRAWN BY: EJO
DATE: JUNE 2025
DESIGNED BY: EJO/NTB
CHECKED BY: NTB/JPC
APPROVED BY: SEE

SHEET TITLE

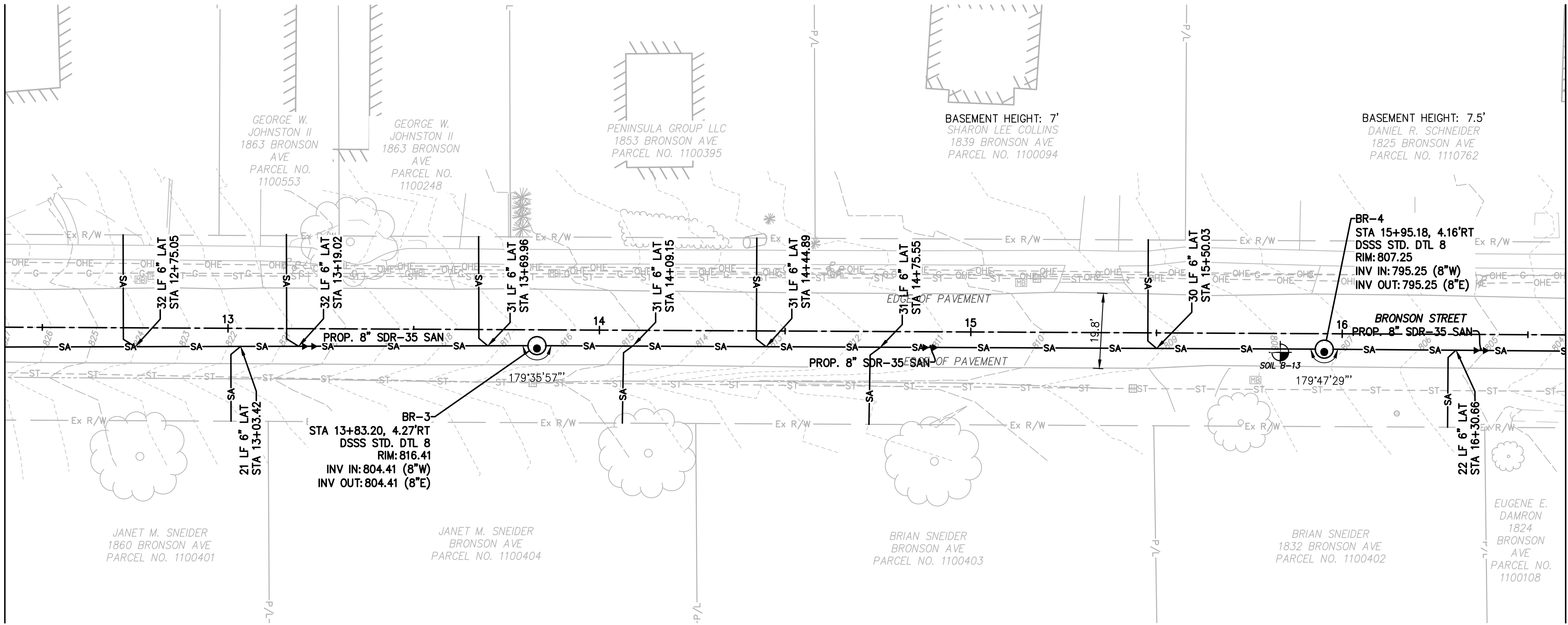
Collection
System
Plan & Profile

SS-15

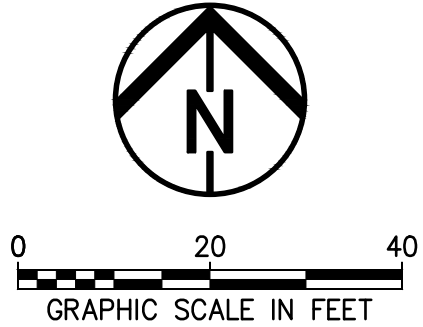
SHEET 15 OF 62



MATCHLINE CL STA. 12+40 - SEE SHEET SS-15



MATCHLINE CL STA. 16+60 - SEE SHEET SS-17

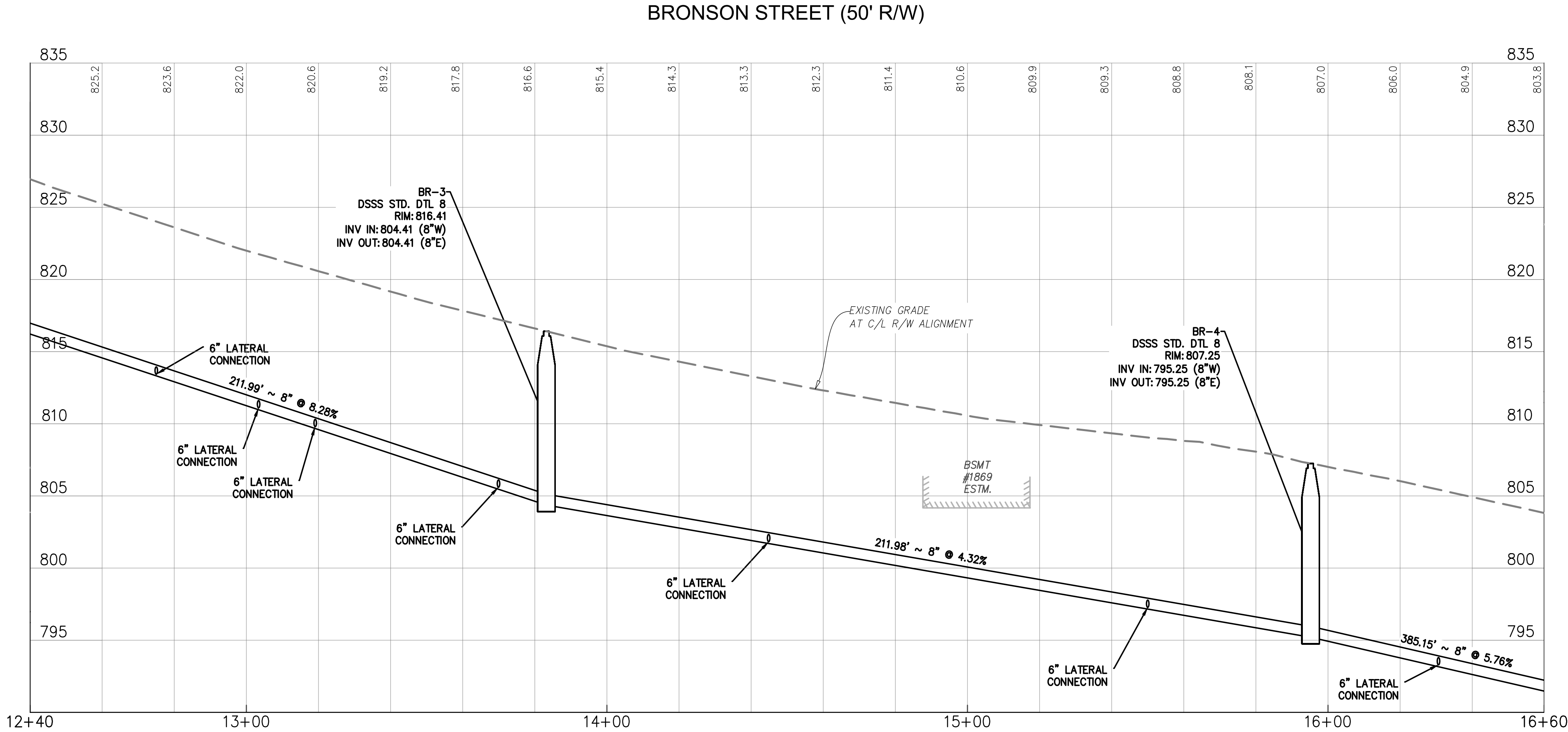


- NOTES:**
- BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
 - STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
 - CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
 - ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH. UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
 - EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

LEGEND (TYP.)

- FUTURE WATER LINE
- JACK & BORE PIT
- EXISTING SEPTIC TANK

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
BR-3	574693.8711	2227803.4045
BR-4	574694.8884	2228015.3836



GRAVITY SEWER PROFILE

C/L R/W ALIGNMENT
SCALE: 1" = 20' (HORIZ), 1" = 5' (VERT)



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308
B&N
burgessniple.com

Peninsula Environmental Sustainability
Project # Q-208
In The Village of Peninsula

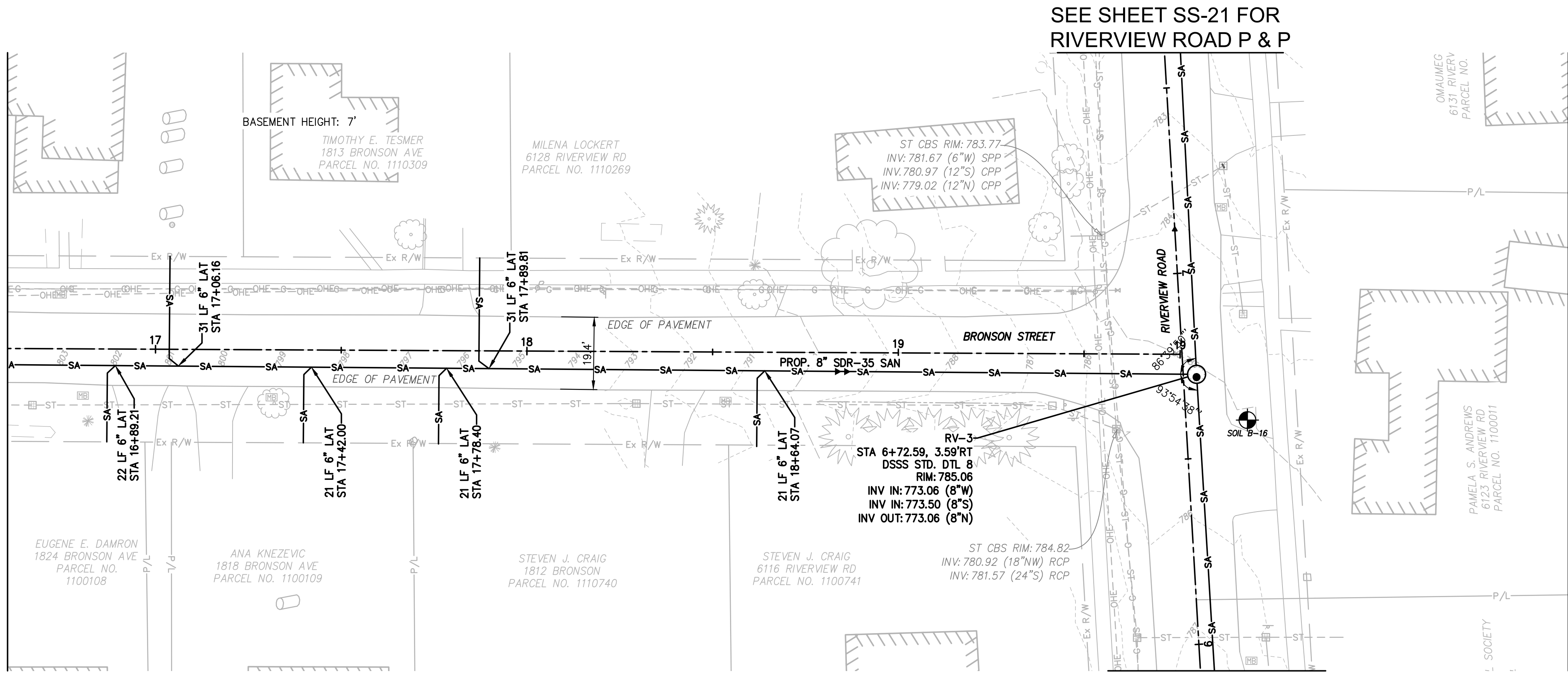
MARK	DATE	DESCRIPTION	BY

PROJECT NO: Q-208
DWG FILE:
DRAWN BY: EJO
DATE: JUNE 2025
DESIGNED BY: EJO/NTB
CHECKED BY: NTR/JPC
APPROVED BY: SEE

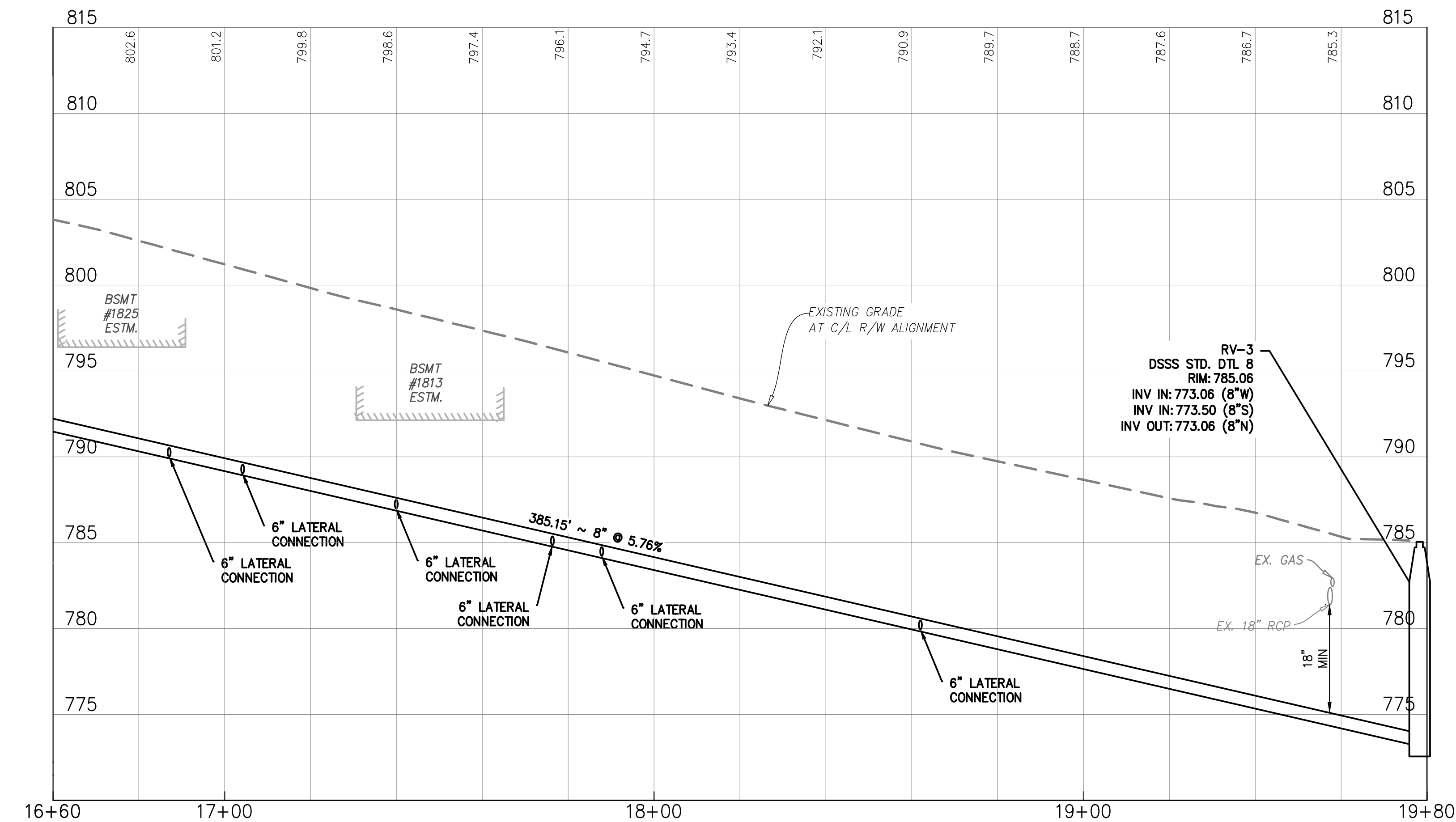
SHEET TITLE
Collection System
Plan & Profile

SS-16
SHEET 16 OF 62

MATCHLINE CL STA. 16+60 - SEE SHEET SS-16



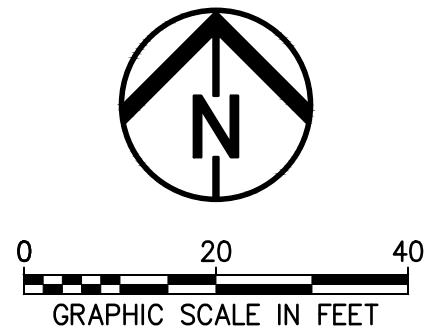
BRONSON STREET (50' R/W)



GRAVITY SEWER PROFILE

C/L R/W ALIGNMENT

SCALE: 1" = 20' (HORIZ), 1" = 5' (VERT)



NOTES:

1. BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
2. STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
3. CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
4. ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH, UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
5. EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

LEGEND (TYP.)

- W — FUTURE WATER LINE
- [Hatched Box] JACK & BORE PIT
- [Cylinder] EXISTING SEPTIC TANK

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
RV-3	574695.3348	2228400.5349



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

184 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Peninsula Environmental Sustainability

Project # Q-208

In The Village of Peninsula

MARK	DATE	DESCRIPTION	BY

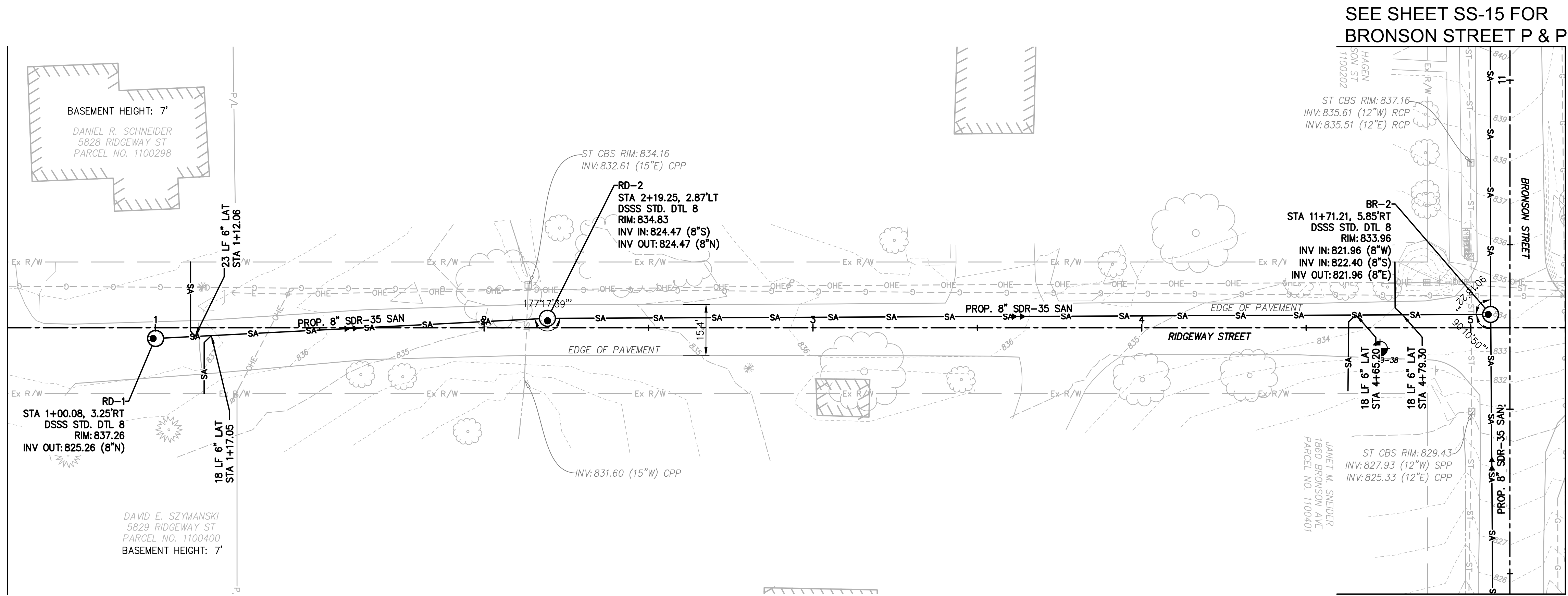
PROJECT NO: Q-208
DWG FILE:
DRAWN BY: EJO
DATE: JUNE 2025
DESIGNED BY: EJO/NTB
CHECKED BY: NTB/JPC
APPROVED BY: SEE

SHEET TITLE

Collection
System
Plan & Profile

SS-17

SHEET 17 OF 62



- NOTES:**
1. BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
 2. STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
 3. CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
 4. ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH. UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
 5. EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

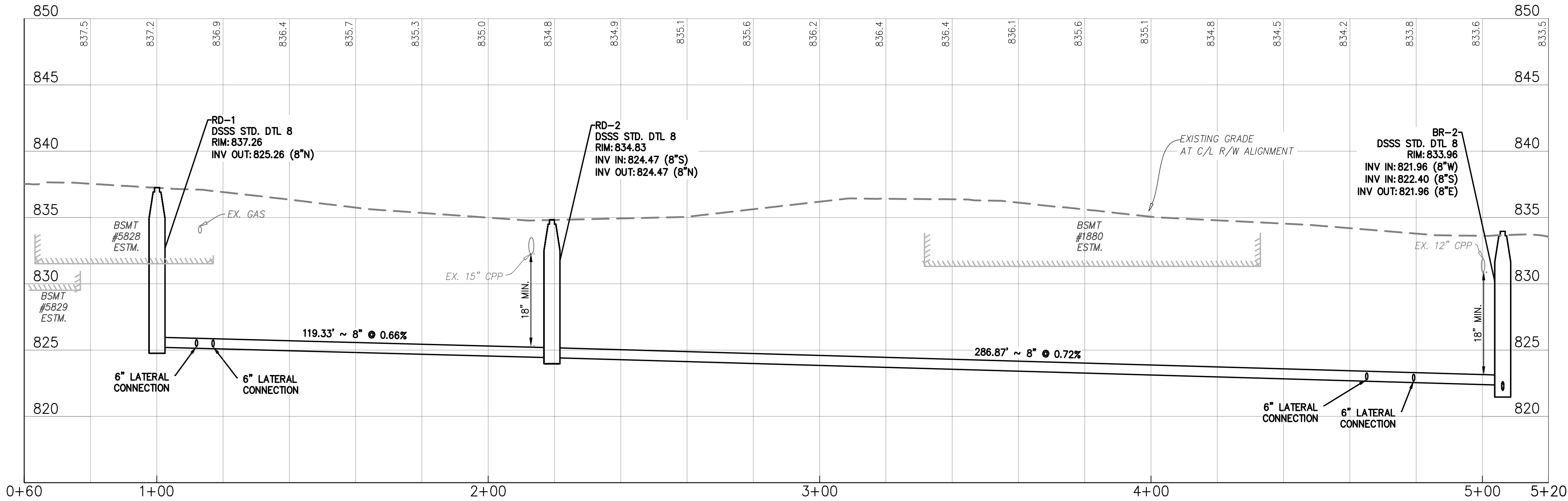
LEGEND (TYP.)

- W — FUTURE WATER LINE
- JACK & BORE PIT
- EXISTING SEPTIC TANK

SEE SHEET SS-16 FOR
BRONSON STREET P & P

RIDGEWAY STREET (40' R/W)

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
RD-1	574285.3688	2227600.5692
RD-2	574404.5083	2227593.9056



GRAVITY SEWER PROFILE

C/L R/W ALIGNMENT

SCALE: 1" = 20' (HORIZ), 1" = 5' (VERT)



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Peninsula Environmental Sustainability
Project # Q-208
In The Village of Peninsula

MARK	DATE	DESCRIPTION	BY	ISSUE

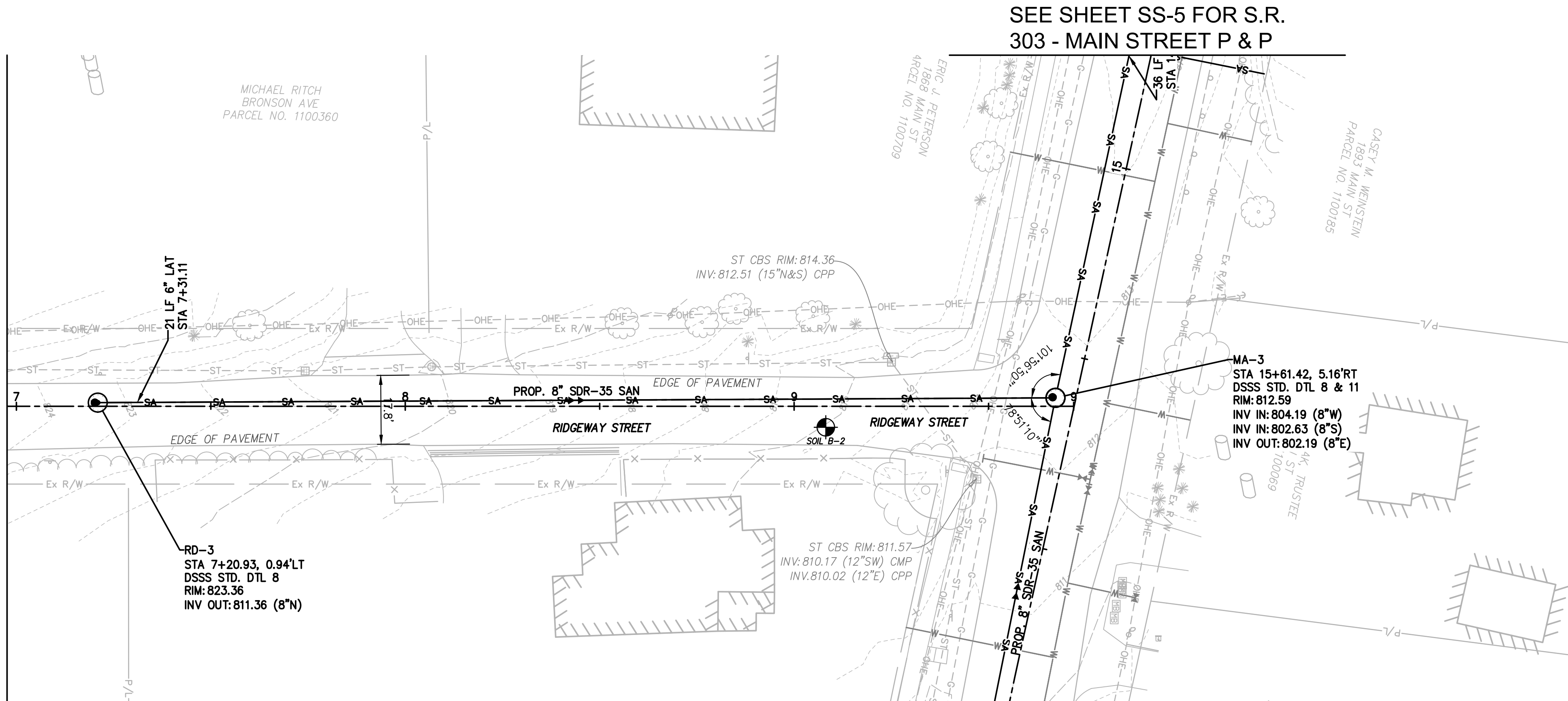
PROJECT NO: Q-208
DWG FILE:
DRAWN BY: EJO
DATE: JUNE 2025
DESIGNED BY: EJO/NTB
CHECKED BY: NTB/JPC
APPROVED BY: SEE

SHEET TITLE

Collection
System
Plan & Profile

SS-18

SHEET 18 OF 62



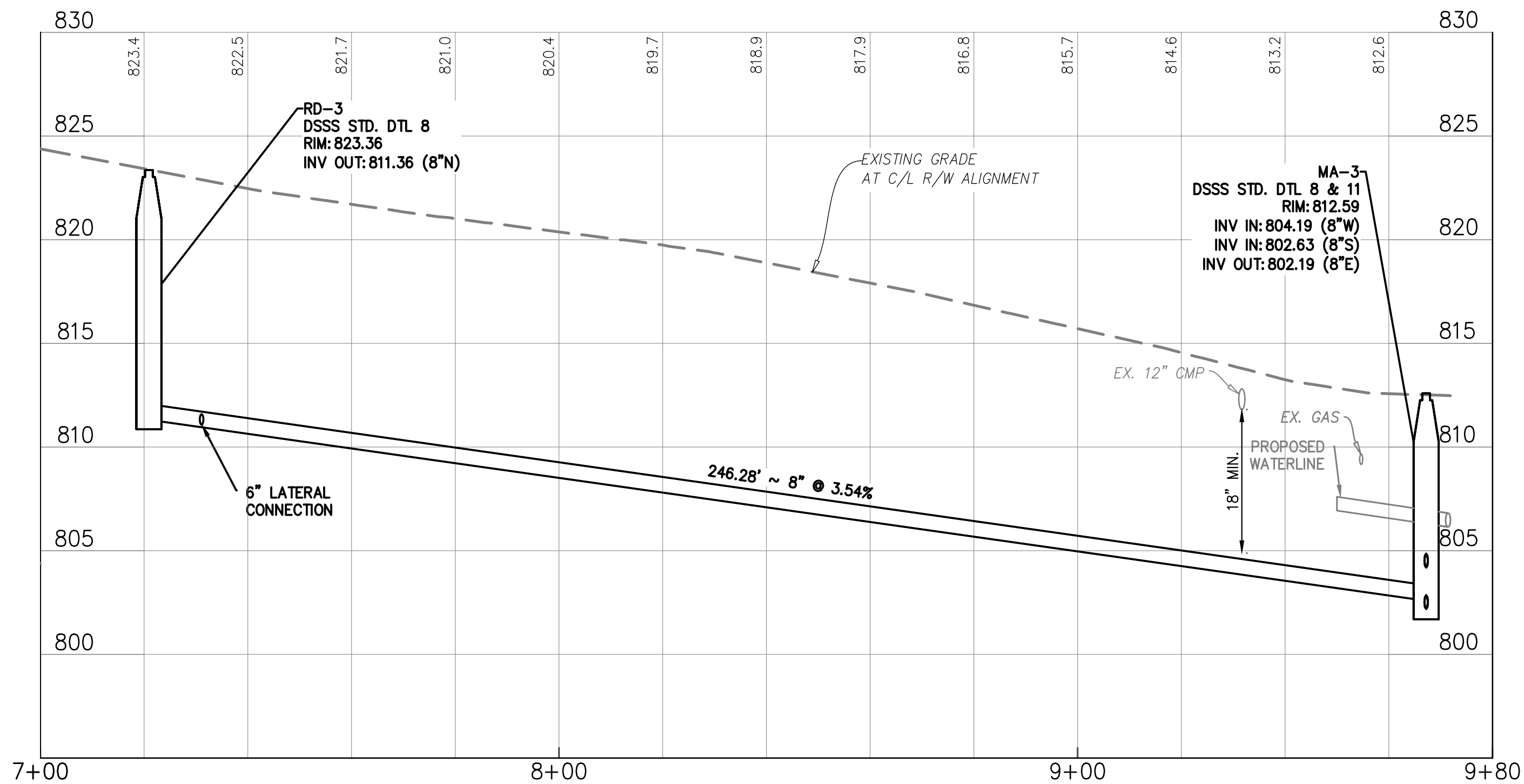
RIDGEWAY STREET (40' R/W)

- NOTES:**
- BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
 - STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
 - CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
 - ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH, UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
 - EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

LEGEND (TYP.)

- FUTURE WATER LINE
- JACK & BORE PIT
- EXISTING SEPTIC TANK

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
RD-3	574936.9736	2227593.2716



GRAVITY SEWER PROFILE

C/L R/W ALIGNMENT
SCALE: 1" = 20' (HORIZ), 1" = 5' (VERT)

County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Peninsula Environmental Sustainability

Project # Q-208

In The Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO: Q-208

DWG FILE:

DRAWN BY: EJO

DATE: JUNE 2025

DESIGNED BY: EJO/NTB

CHECKED BY: NTB/JPC

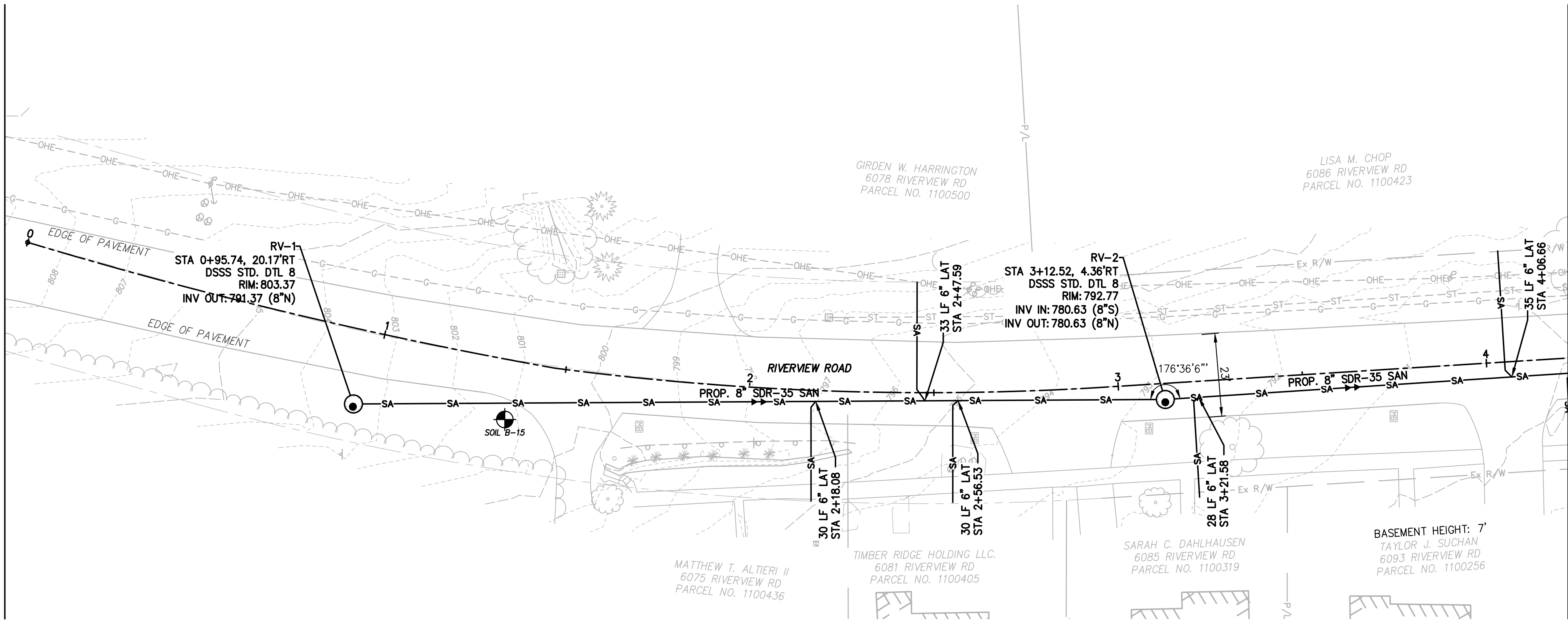
APPROVED BY: SEE

SHEET TITLE

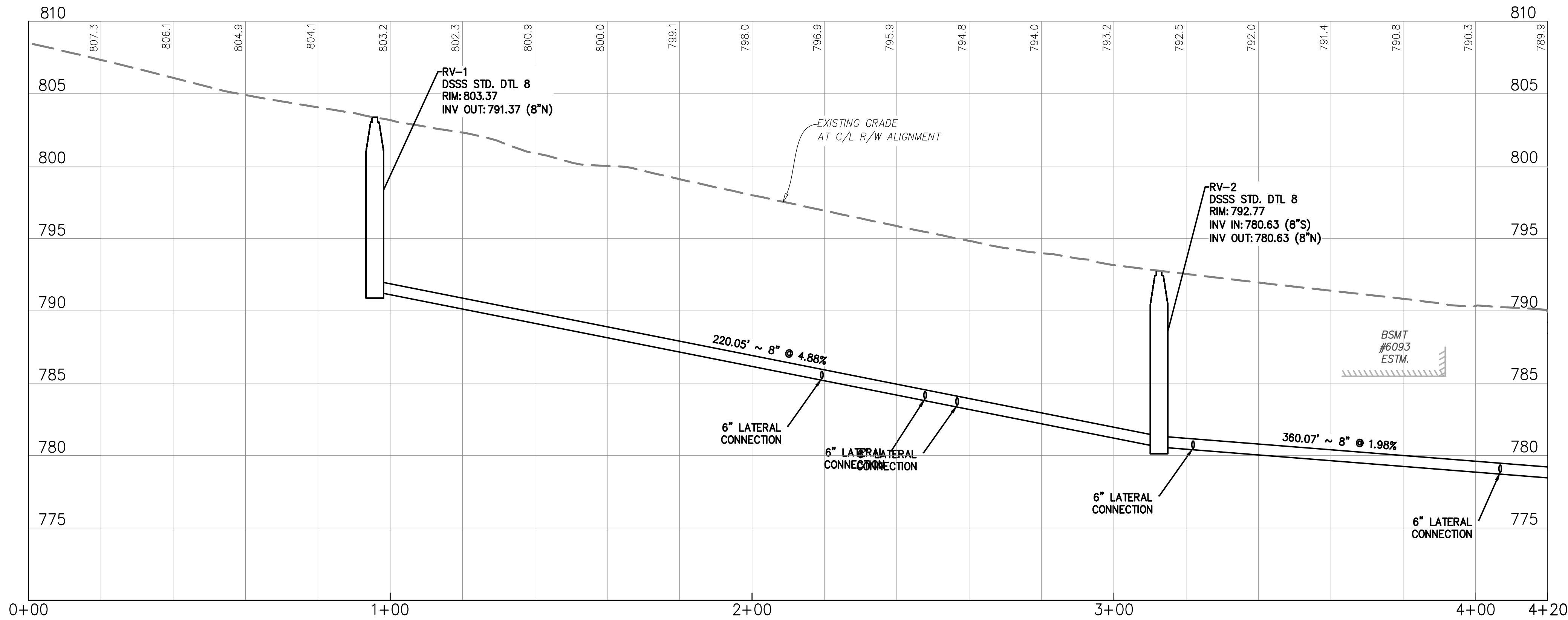
Collection System Plan & Profile

SS-19

SHEET 19 OF 62

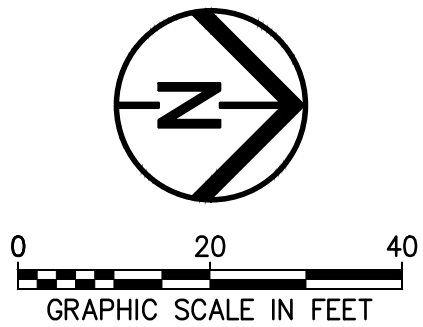


RIVERVIEW ROAD (60' R/W)



GRAVITY SEWER PROFILE

C/L R/W ALIGNMENT
SCALE: 1" = 20' (HORIZ), 1" = 5' (VERT)



- NOTES:**
- 1. BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
 - 2. STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
 - 3. CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
 - 4. ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH, UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
 - 5. EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

LEGEND (TYP.)

- W — FUTURE WATER LINE
- [Hatched Box] JACK & BORE PIT
- [Cylinder] EXISTING SEPTIC TANK

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
RV-1	574116.0929	2228427.7301
RV-2	574336.1360	2228425.5075



**Environmental
DesignGroup**
AKRON / CLEVELAND / COLUMBUS
PO 450 GRANT ST., AKRON, OH 44311
P 330.375.1590 / TP 800.855.1590
W ENVDESIGNGROUP.COM

County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308
B&N
burgessniple.com

Peninsula Environmental Sustainability
Project # Q-208
In The Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO: Q-208

DWG FILE:

DRAWN BY: EJO

DATE: JUNE 2025

DESIGNED BY: EJO/NTB

CHECKED BY: NTR/JPC

APPROVED BY: SEE

SHEET TITLE

Collection
System
Plan & Profile

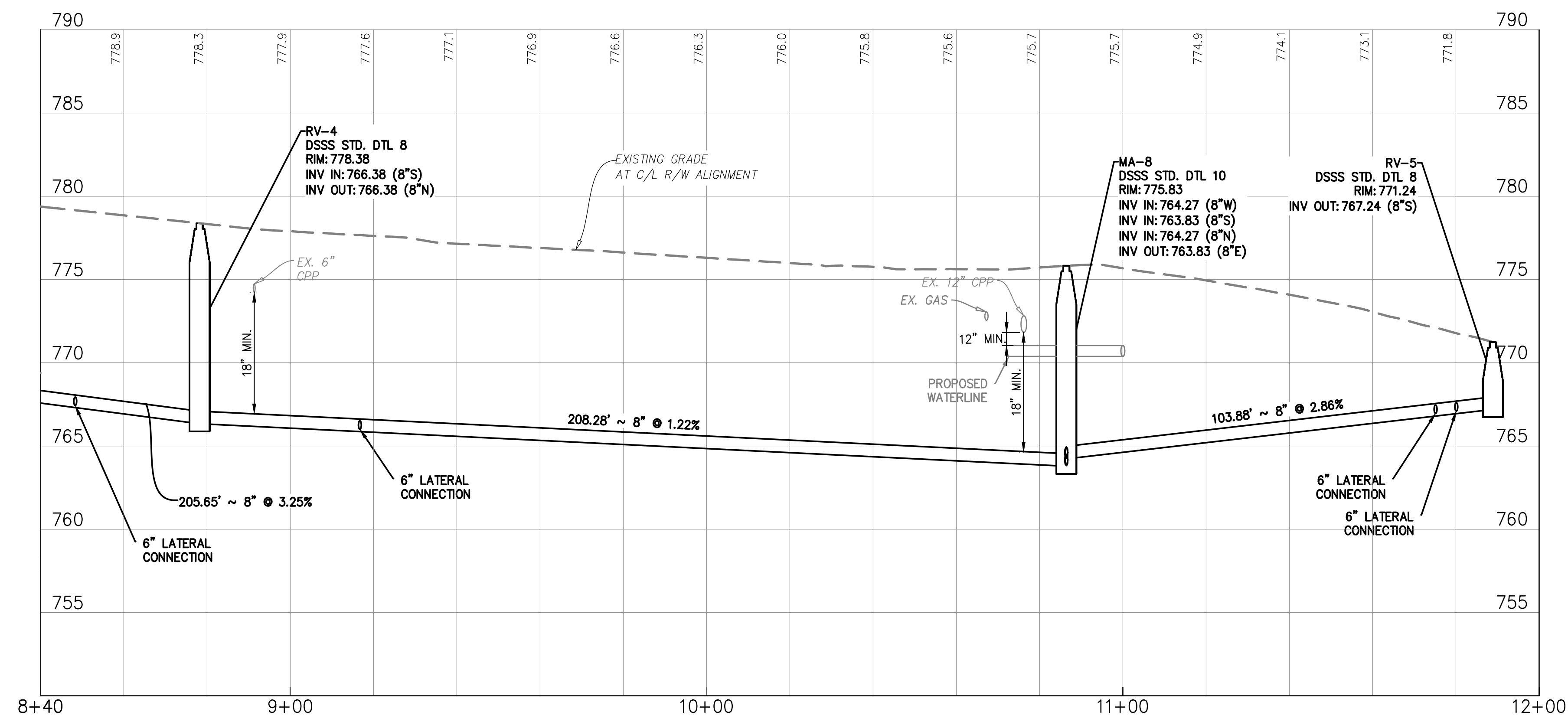
SS-20

SHEET 20 OF 62

MATCHLINE CL STA. 8+40 - SEE SHEET SS-21



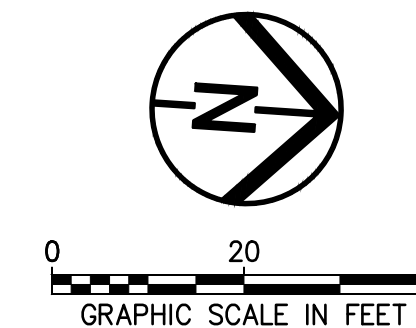
RIVERVIEW ROAD (60' R/W)



GRAVITY SEWER PROFILE

C/L R/W ALIGNMENT

SCALE: 1" = 20' (HORIZ), 1" = 5' (VERT)



1. BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED, WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
2. STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
3. CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
4. ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH. UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
5. EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

	FUTURE WATER LINE
	JACK & BORE PIT
	EXISTING SEPTIC TANK

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
RV-4	574900.6199	2228388.3293
RV-5	575211.3120	2228363.5346



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Peninsula Environmental Sustainability

Project # Q-208

In The Village of Peninsula

[illegible]

PROJECT NO: Q-208

DWG FILE

DRAWN BY: EJC

DATE: JUNE 2

DESIGNED BY: EJC

CHECKED BY: NTH

APPROVED BY: _____

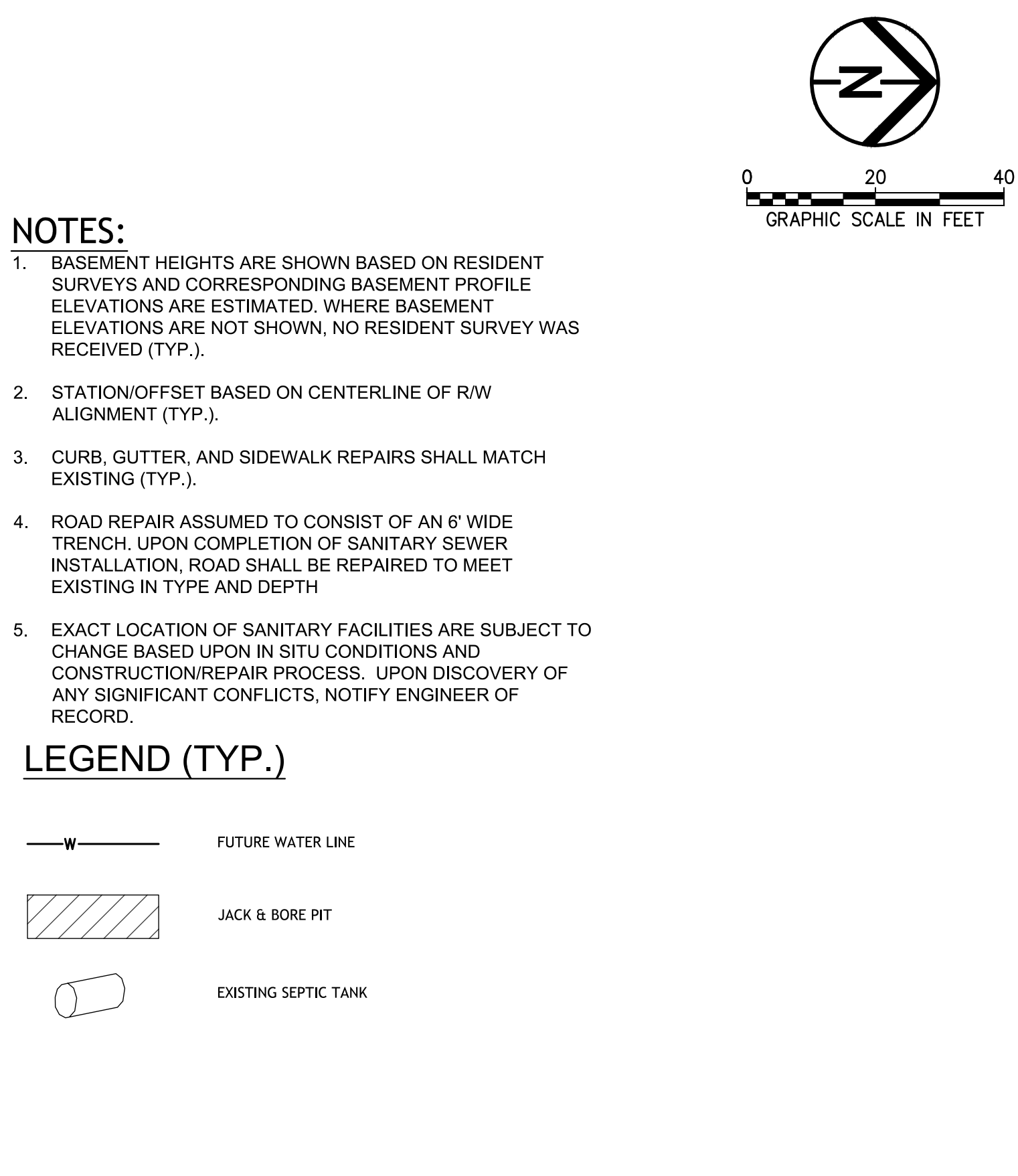
SHEET TITLE

Collection System Plan & Profile

SS-22

SHEET 22 OF 62





SEE SHEET SS-9 FOR S.R.
303 - MAIN STREET P & P



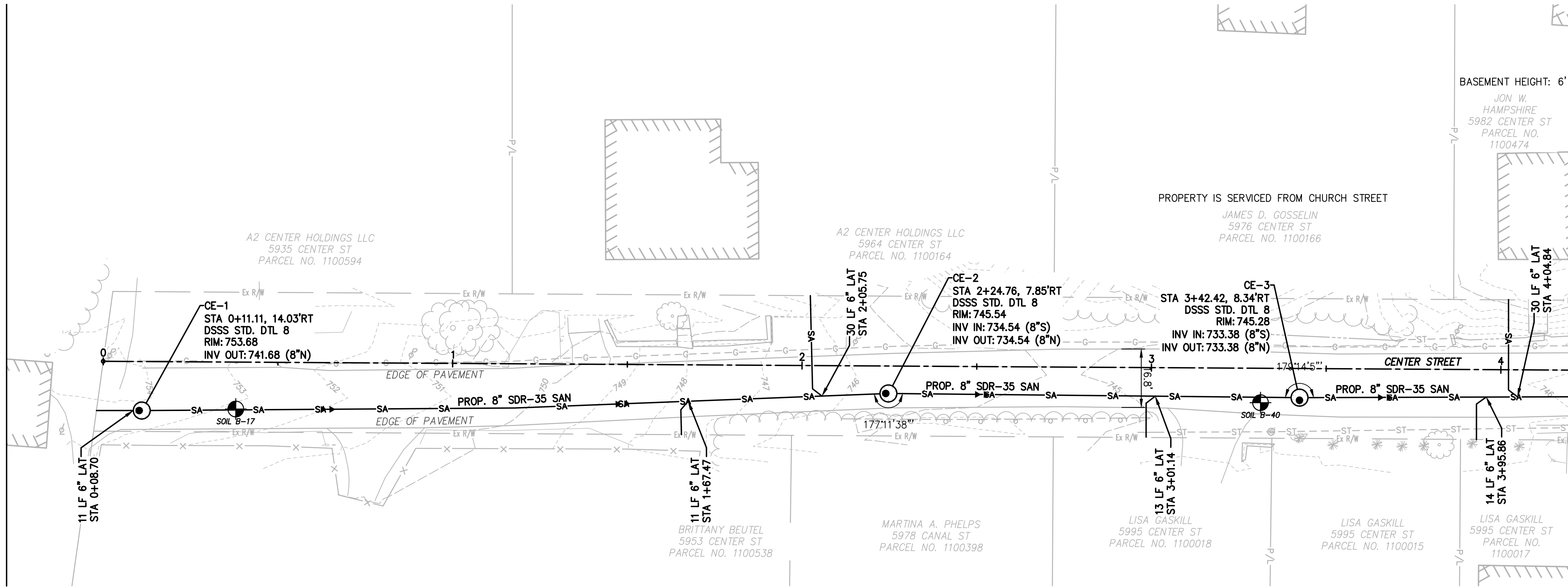
C/L R/W ALIGNMENT

SCALE: 1" = 20' (HORIZ), 1" = 5' (VERT)

MANHOLE COORDINATES

MANHOLE #	NORTHING	EASTING
CH-1	574831.3521	2229063.9125
CH-2	575002.0896	2229064.6706
CH-3	575010.2243	2229021.4689





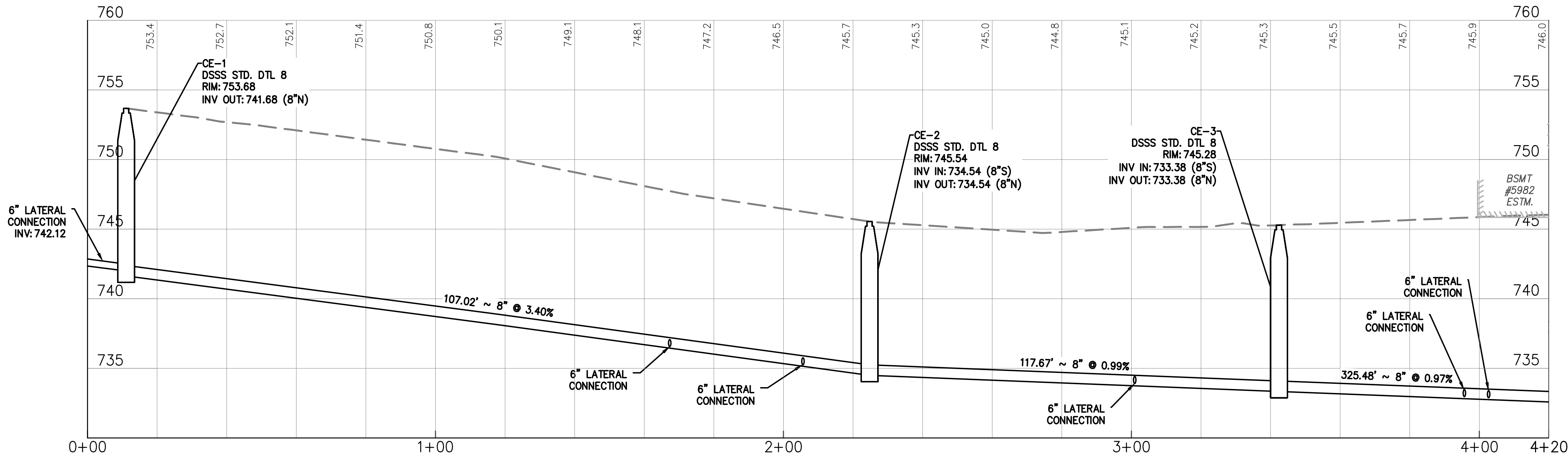
CENTER STREET (40' R/W)

- NOTES:**
- BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
 - STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
 - CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
 - ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH, UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
 - EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

LEGEND (TYP.)

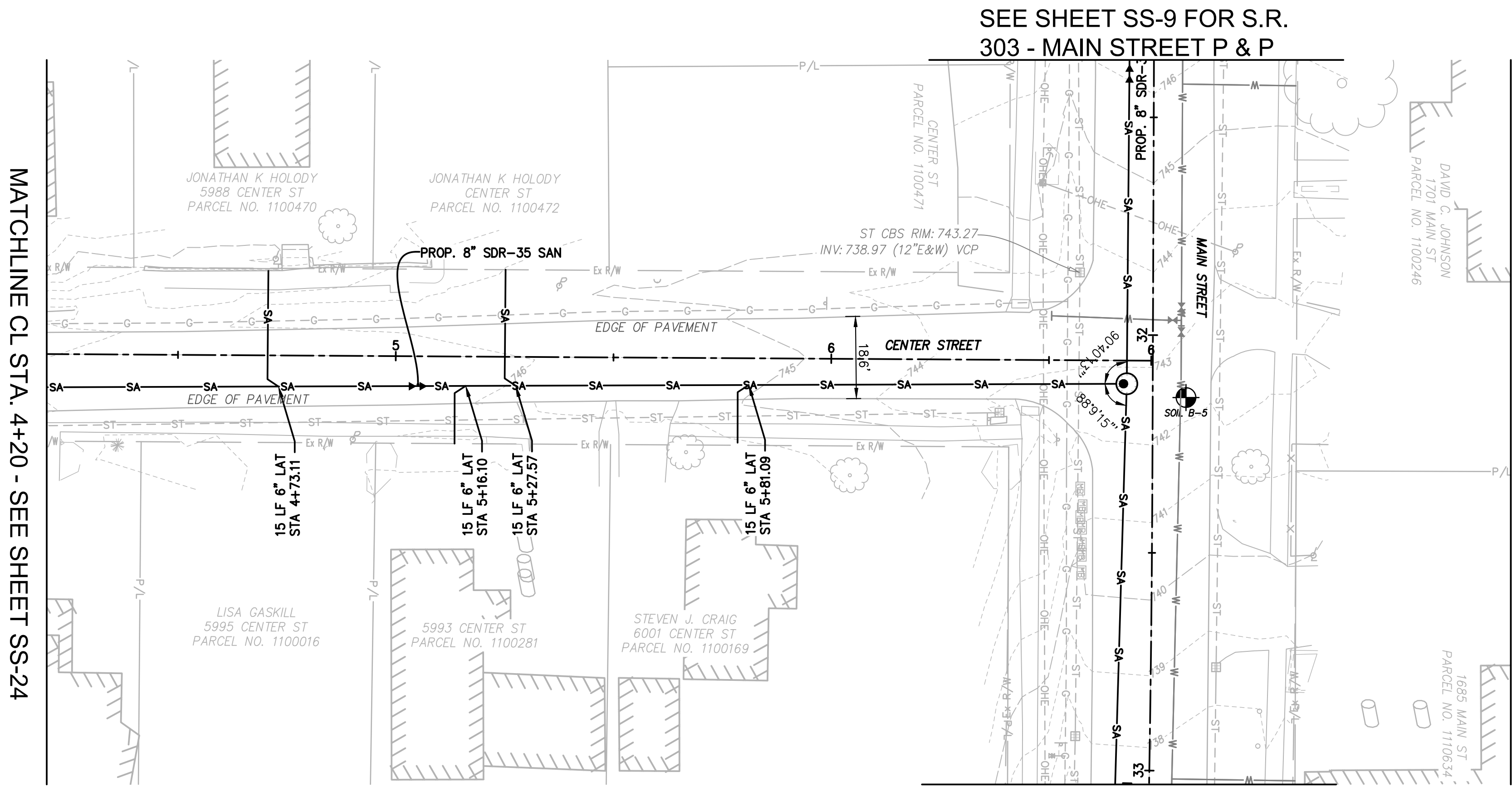
- W — FUTURE WATER LINE
- JACK & BORE PIT
- EXISTING SEPTIC TANK

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
CE-1	574453.9576	2229247.2169
CE-2	574667.6027	2229240.9906
CE-3	574785.2670	2229241.4488



GRAVITY SEWER PROFILE

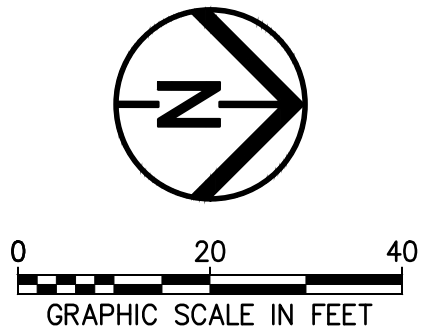
C/L R/W ALIGNMENT
SCALE: 1" = 20' (HORIZ), 1" = 5' (VERT)



- NOTES:
- BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
 - STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
 - CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
 - ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH, UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
 - EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

LEGEND (TYP.)

- W — FUTURE WATER LINE
- JACK & BORE PIT
- EXISTING SEPTIC TANK



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Peninsula Environmental Sustainability

Project # Q-208

In The Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO: Q-208

DWG FILE:

DRAWN BY: EJO

DATE: JUNE 2025

DESIGNED BY: EJO/NTB

CHECKED BY: NTB/JPC

APPROVED BY: SEE

SHEET TITLE

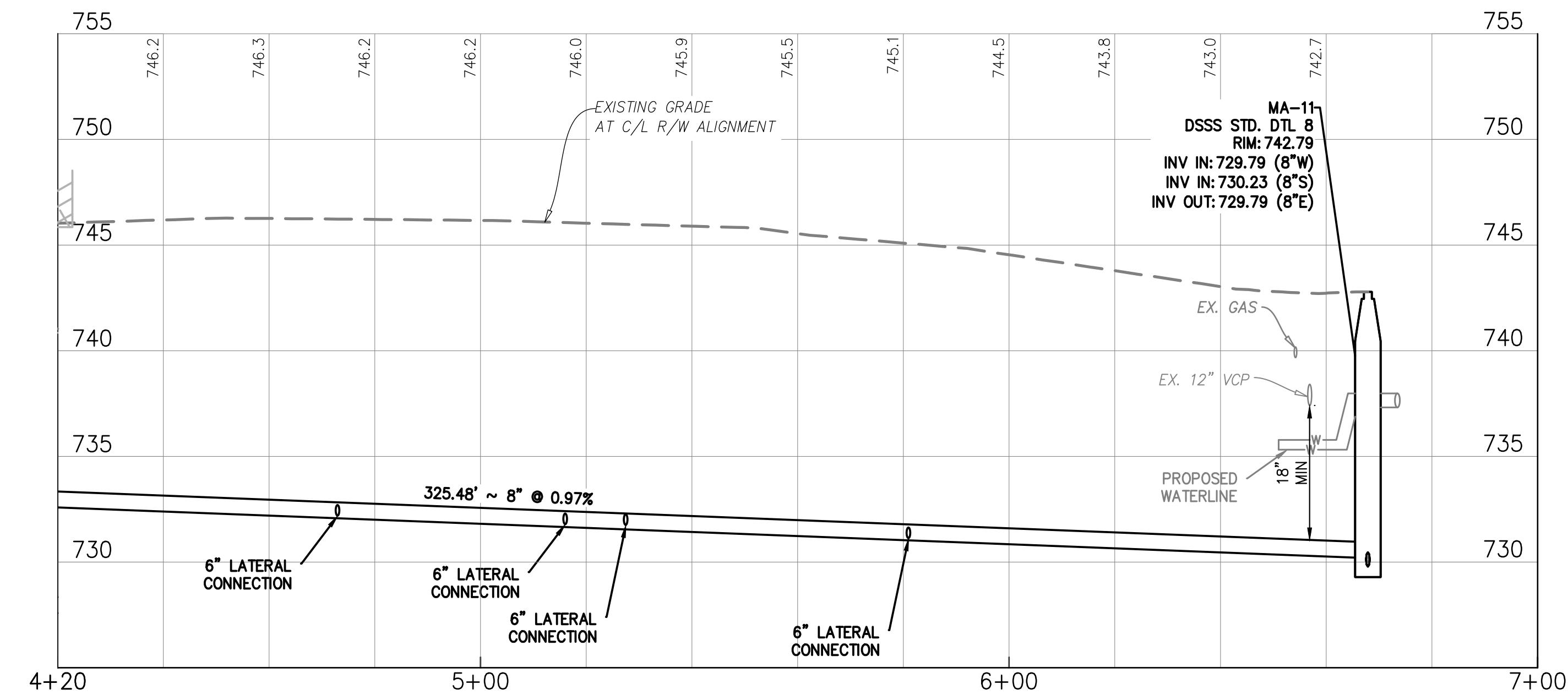
Collection
System
Plan & Profile

SS-25

SHEET 25 OF 62

SEE SHEET SS-9 FOR S.R.
303 - MAIN STREET P & P

CENTER STREET (40' R/W)

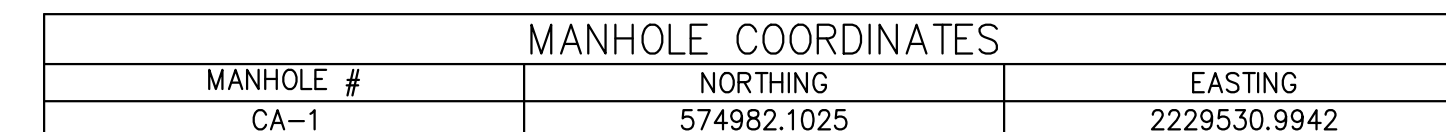


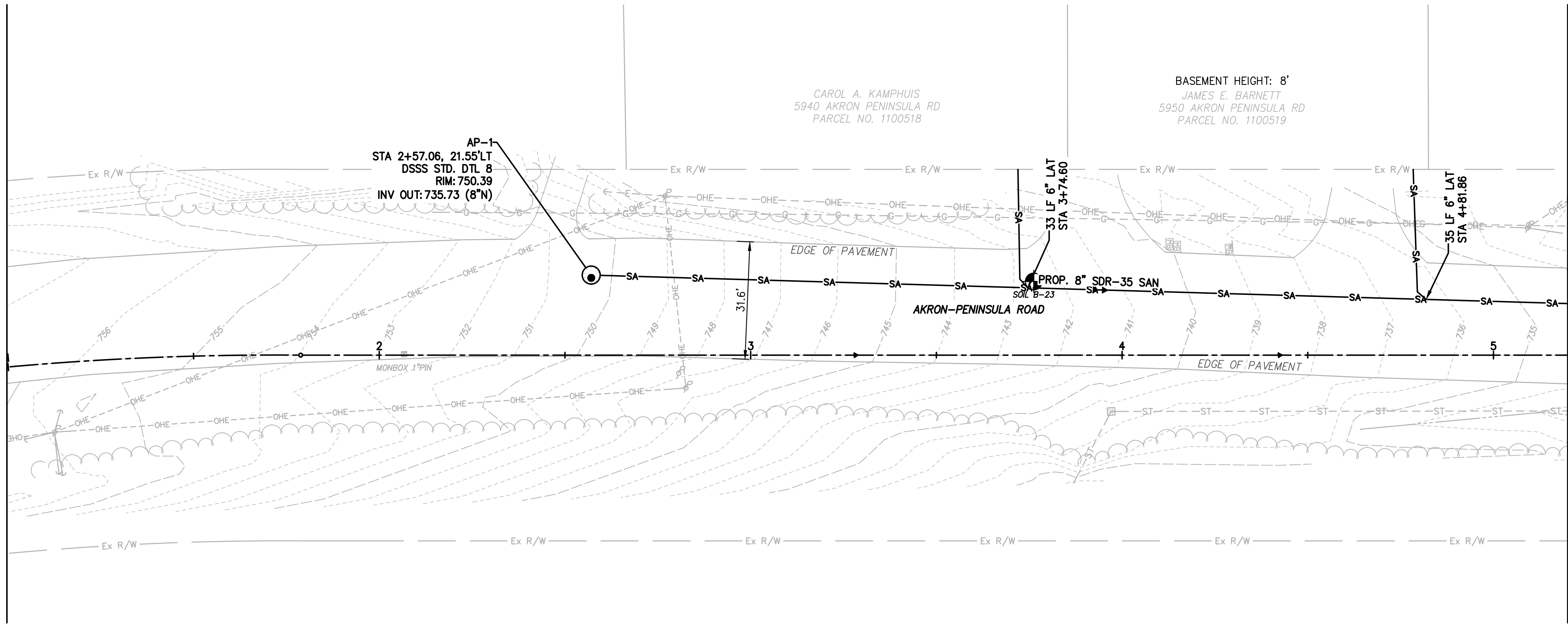
GRAVITY SEWER PROFILE

C/L R/W ALIGNMENT

SCALE: 1" = 20' (HORIZ), 1" = 5' (VERT)

**Environmental
DesignGroup**
AKRON / CLEVELAND / COLUMBUS
PO 450 GRANT ST., AKRON, OH 44331
P 330.375.1590 / TP 800.855.1590
W ENVDESIGNGROUP.COM





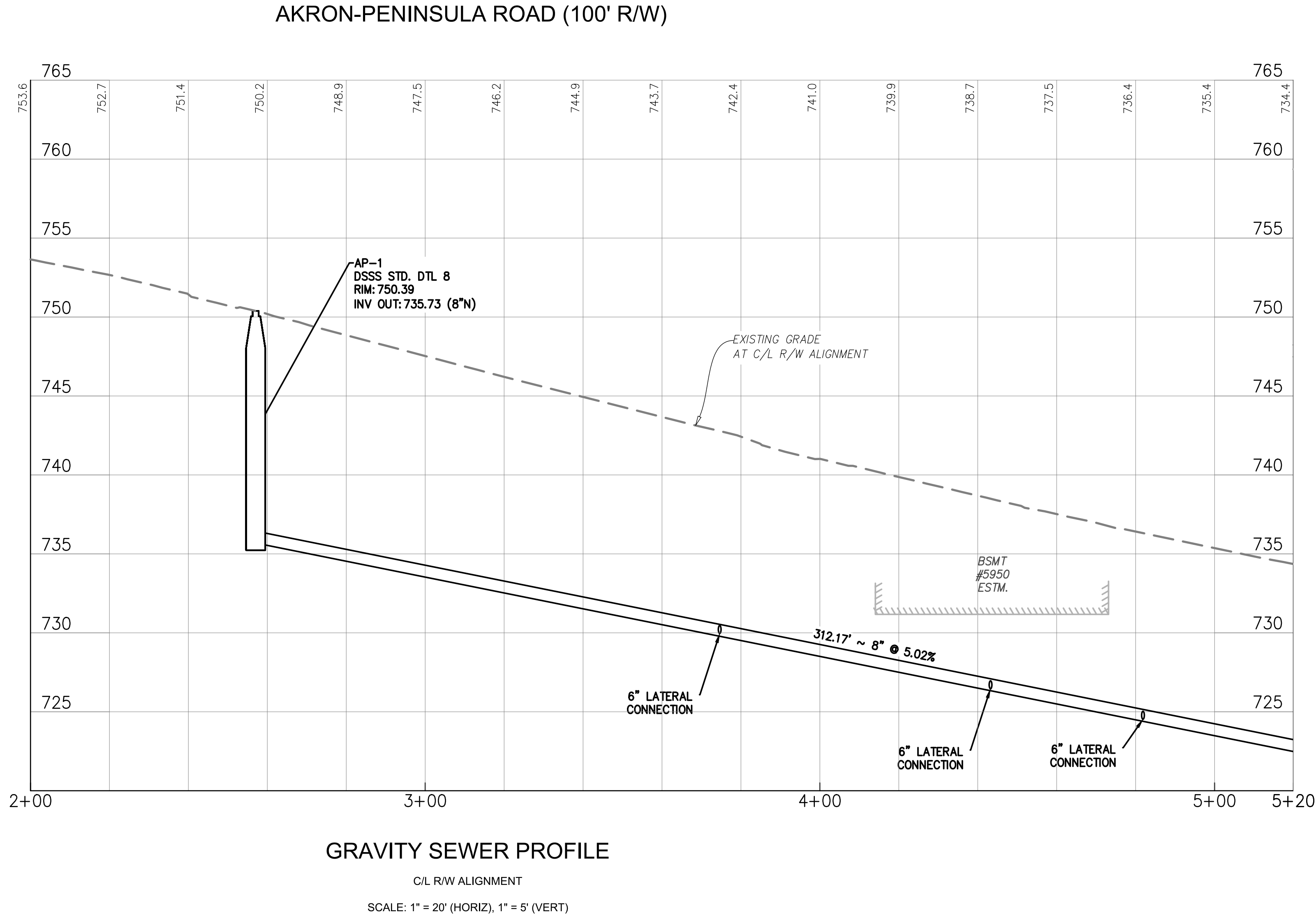
MATCHLINE CL STA. 5+20 - SEE SHEET SS-28

- NOTES:**
- BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
 - STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
 - CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
 - ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH, UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
 - EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

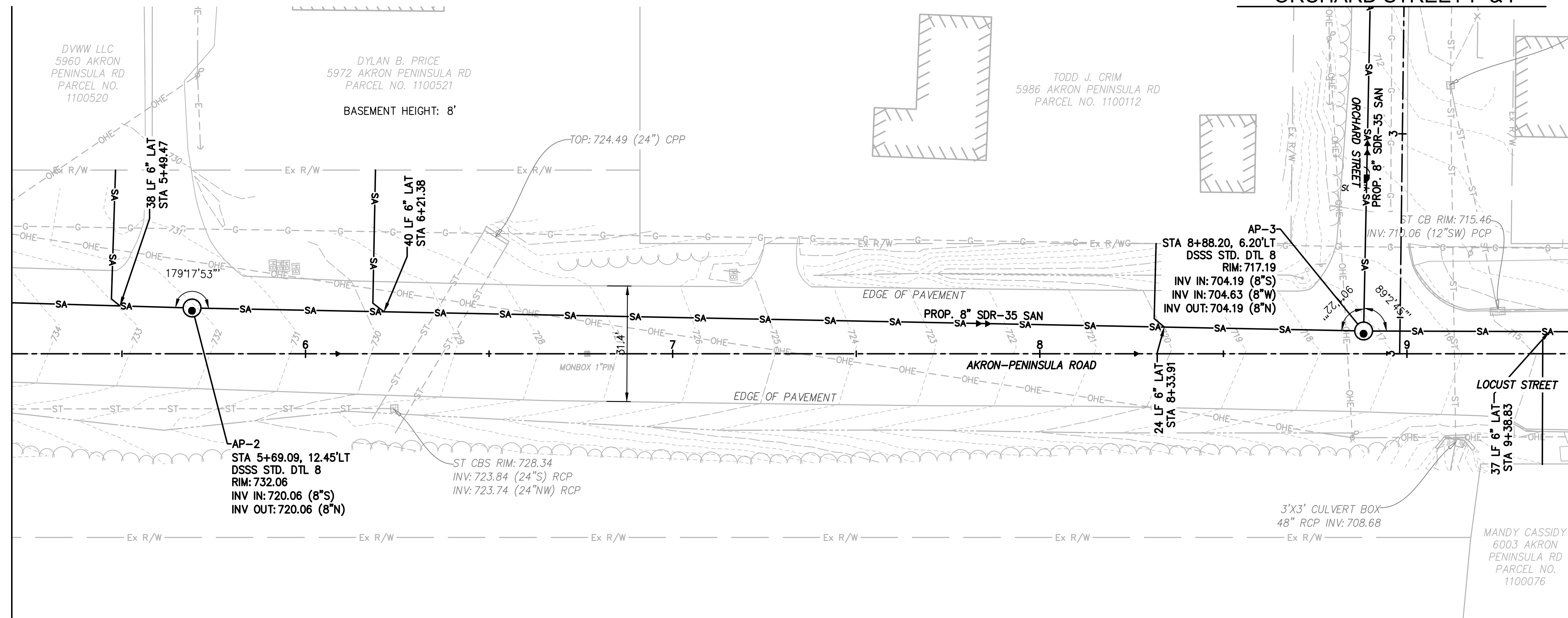
LEGEND (TYP.)

- W — FUTURE WATER LINE
- JACK & BORE PIT
- EXISTING SEPTIC TANK

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
AP-1	573828.5291	2230204.4755



MATCHLINE CL STA. 5+20 - SEE SHEET SS-27



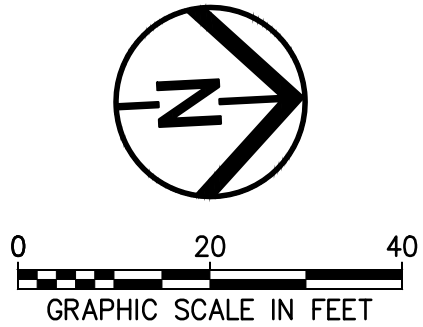
MATCHLINE CL STA. 9+40 - SEE SHEET SS-29

SEE SHEET SS-35 FOR
ORCHARD STREET P & P

- NOTES:**
- BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
 - STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
 - CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
 - ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH, UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
 - EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

LEGEND (TYP.)

- W — FUTURE WATER LINE
- JACK & BORE PIT
- EXISTING SEPTIC TANK

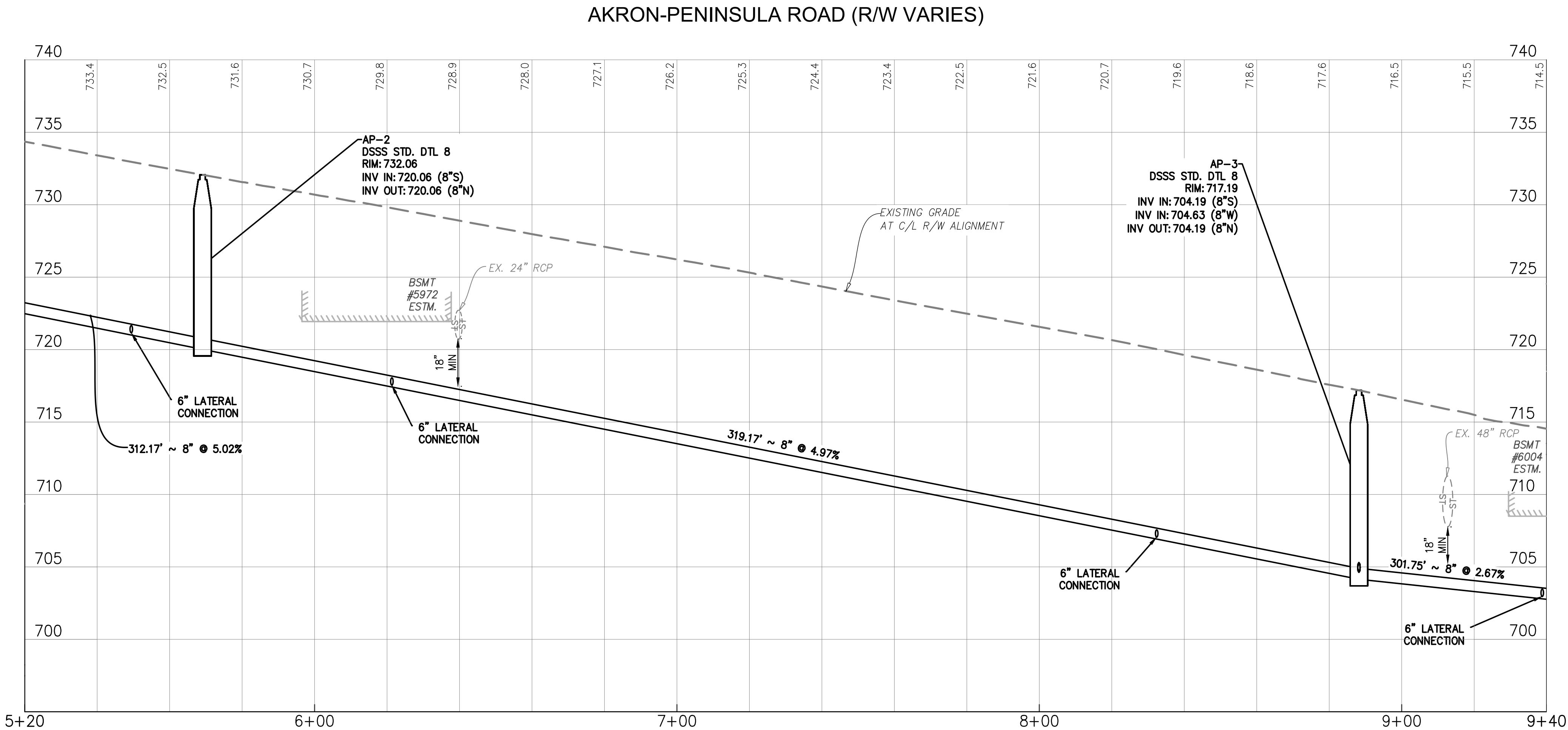


County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
AP-2	574139.6405	2230230.1186
AP-3	574457.9634	2230253.2989



GRAVITY SEWER PROFILE

C/L R/W ALIGNMENT
SCALE: 1" = 20' (HORIZ), 1" = 5' (VERT)

Environmental Design Group
AKRON / CLEVELAND / COLUMBUS
#0 450 GRANT ST., AKRON, OH 44311
P 330.375.1590 / TP 800.855.1590
W ENVDESIGNGROUP.COM

Peninsula Environmental Sustainability

Project # Q-208

In The Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO: Q-208

DWG FILE: EJO

DRAWN BY: EJO

DATE: JUNE 2025

DESIGNED BY: EJO/NTB

CHECKED BY: NTB/JPC

APPROVED BY: SEE

SHEET TITLE

Collection System Plan & Profile

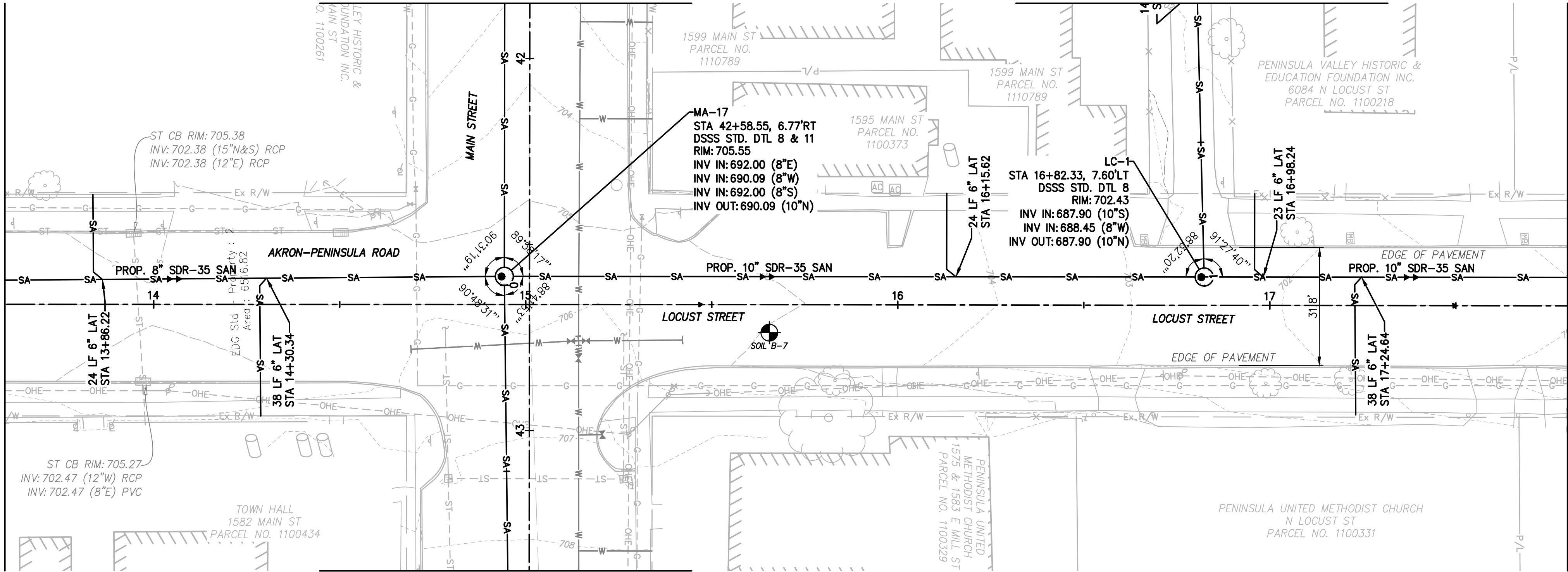
SS-28

SHEET 28 OF 62

MATCHLINE CL STA. 13+60 - SEE SHEET SS-29

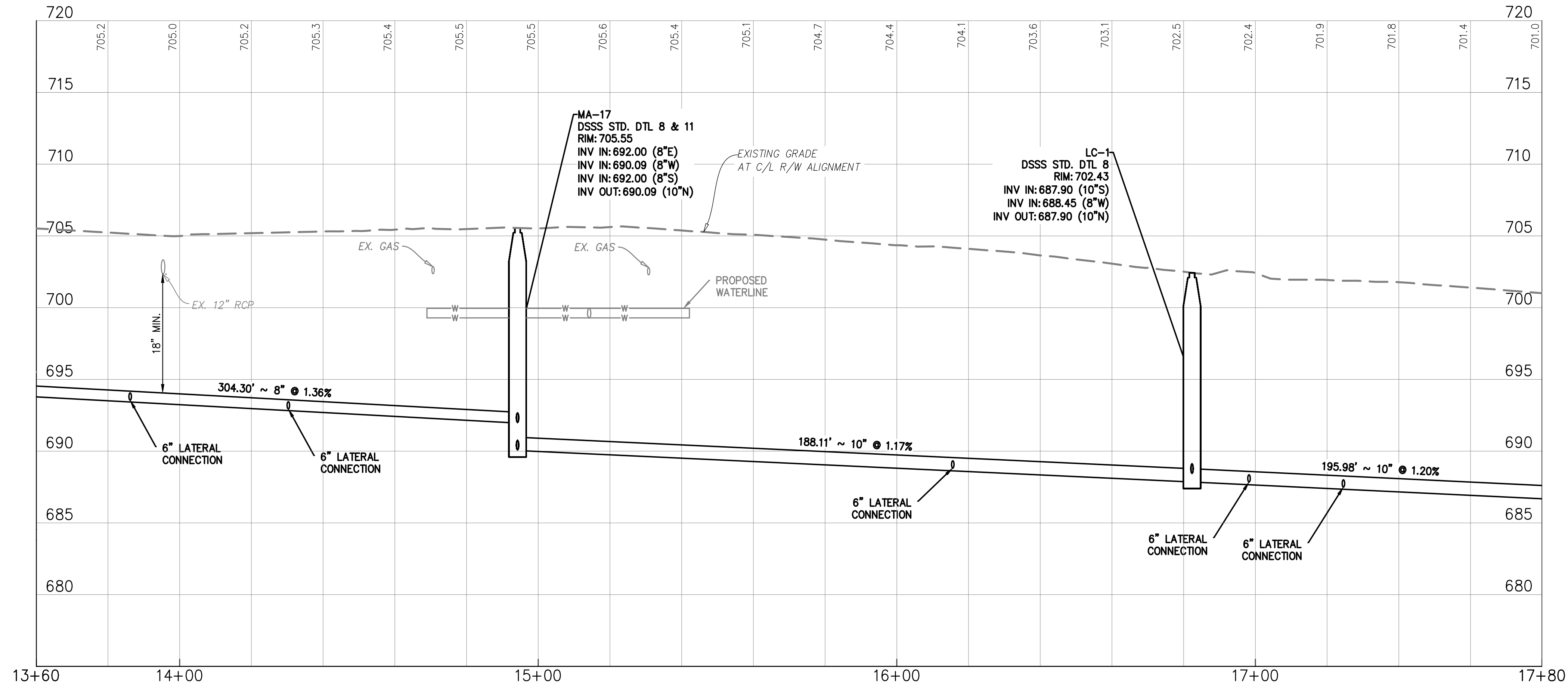
SEE SHEET SS-11 FOR S.R.
303 - MAIN STREET P & P

SEE SHEET SS-36 FOR WINKING
LIZARD ALLEY P & P



SEE SHEET SS-12 FOR S.R.
303 - MAIN STREET P & P

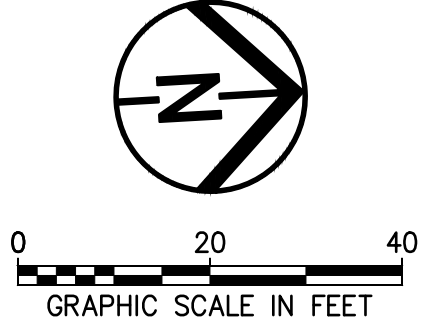
LOCUST STREET (60' R/W)



GRAVITY SEWER PROFILE

C/L R/W ALIGNMENT

SCALE: 1" = 20' (HORIZ), 1" = 5' (VERT)



NOTES:

- BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
- STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
- CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
- ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH, UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
- EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

LEGEND (TYP.)

- W — FUTURE WATER LINE
- [Hatched Box] JACK & BORE PIT
- [Cylinder] EXISTING SEPTIC TANK

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
LC-1	575251.0501	2230294.3060



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Peninsula Environmental Sustainability

Project # Q-208

In The Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO: Q-208
DWG FILE:
DRAWN BY: EJO
DATE: JUNE 2025
DESIGNED BY: EJO/NTB
CHECKED BY: NTB/JPC
APPROVED BY: SEE

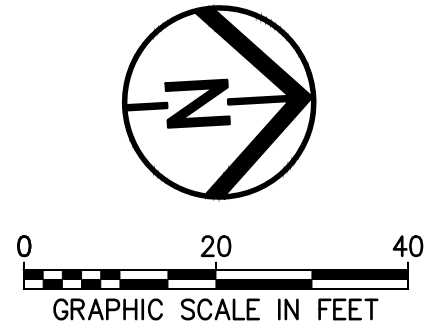
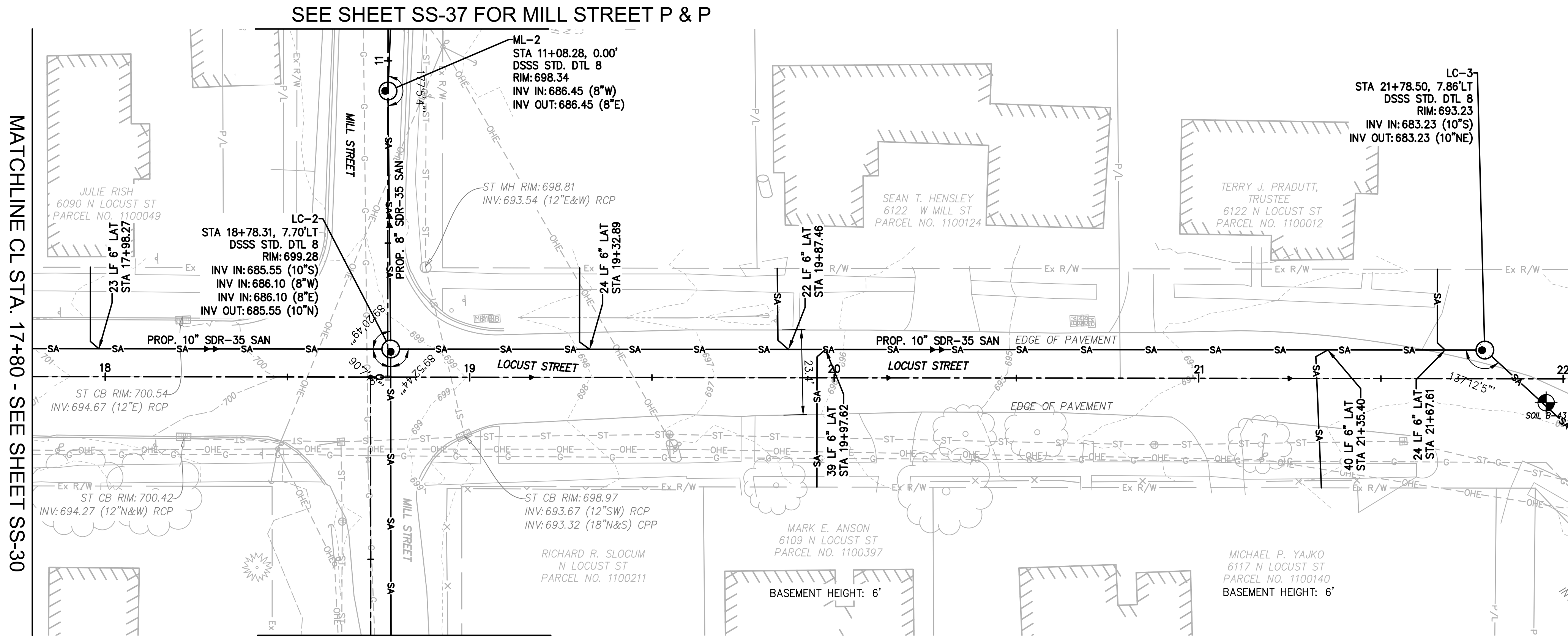
SHEET TITLE

Collection
System
Plan & Profile

SS-30

SHEET 30 OF 62

100 % SUBMITTAL

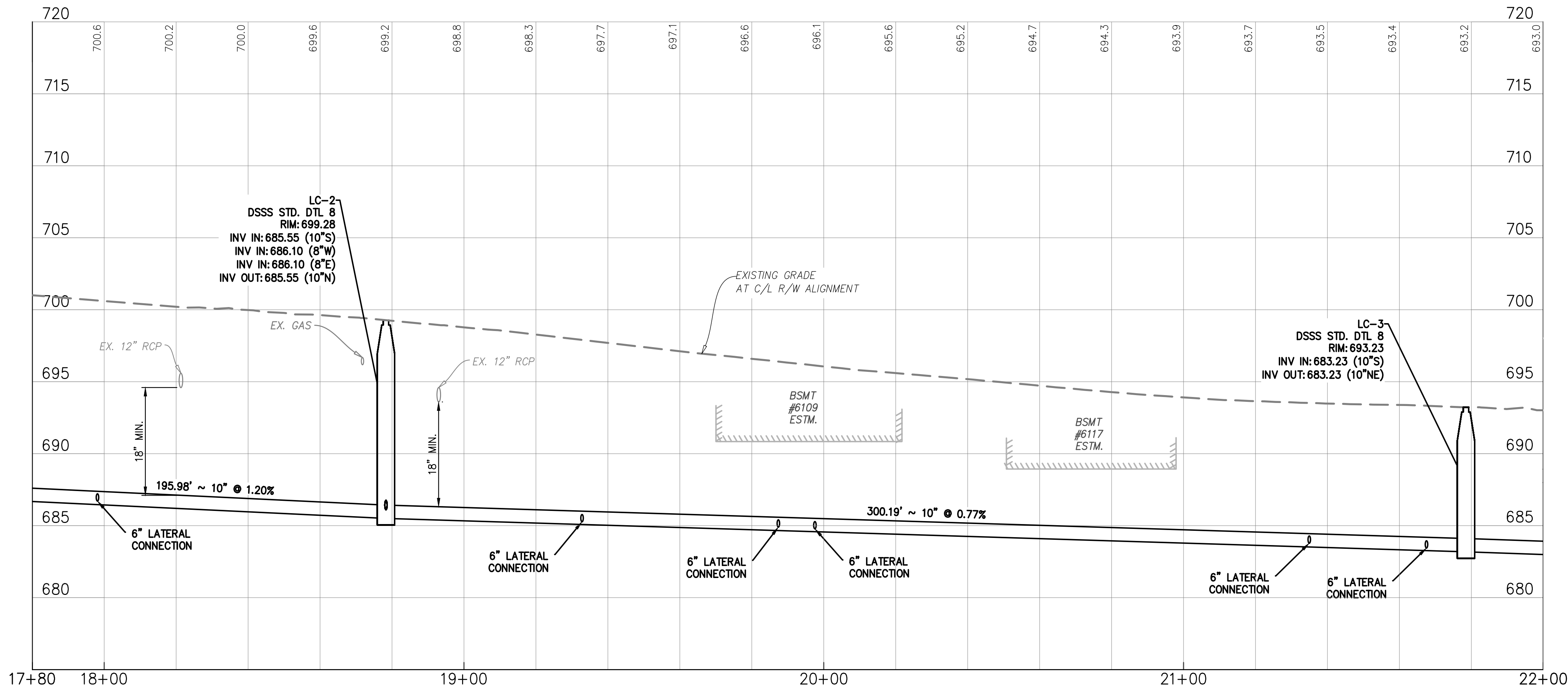


- NOTES:**
1. BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
 2. STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
 3. CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
 4. ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH, UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
 5. EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

LEGEND (TYP.)

- W — FUTURE WATER LINE
- JACK & BORE PIT
- EXISTING SEPTIC TANK

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
LC-2	575446.7438	2230304.8943
LC-3	575725.5387	2230314.9765



MARK	DATE	DESCRIPTION	BY

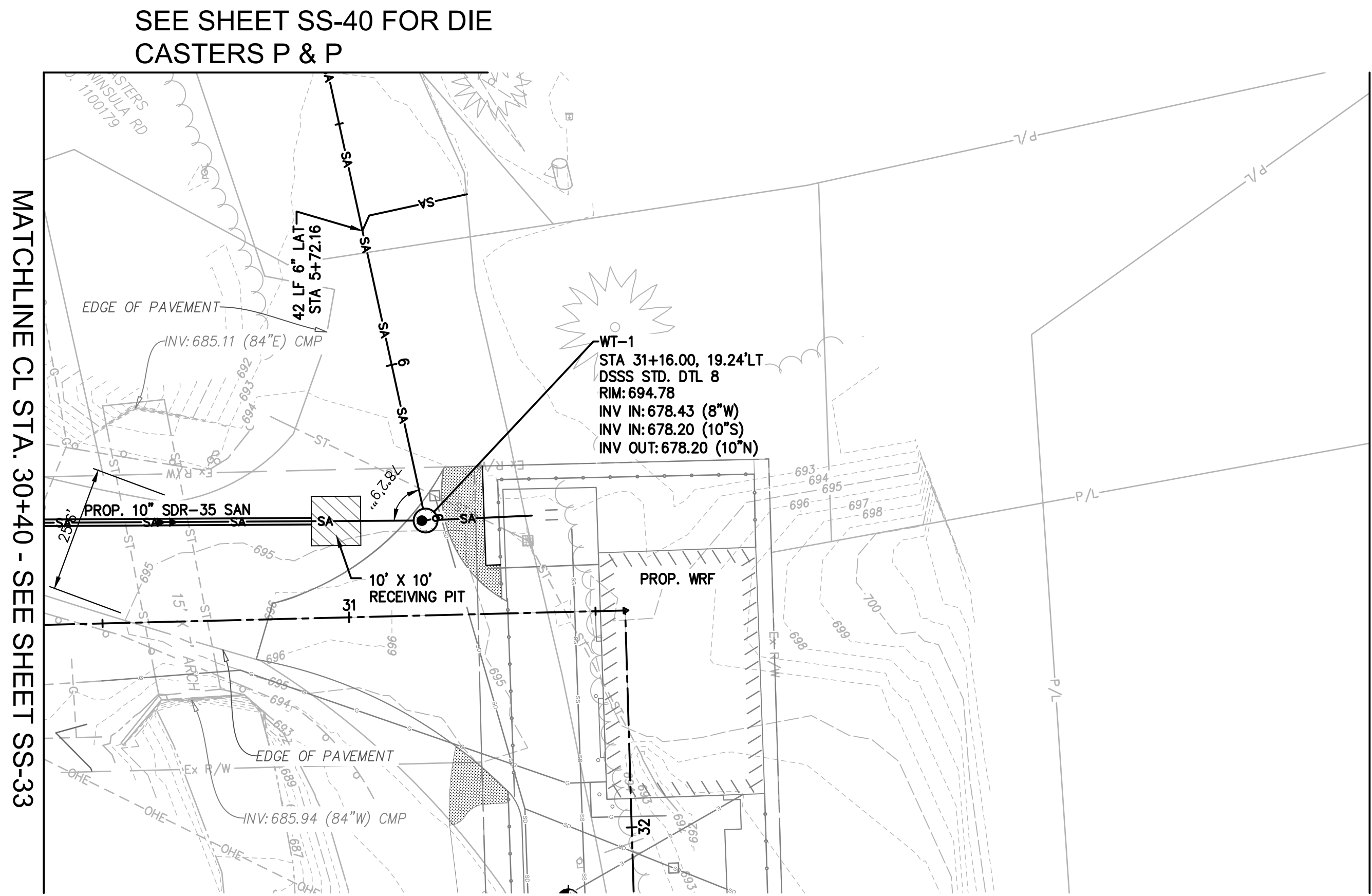
PROJECT NO: Q-208
DWG FILE:
DRAWN BY: EJO
DATE: JUNE 2025
DESIGNED BY: EJO/NTB
CHECKED BY: NTB/JPC
APPROVED BY: SEE

SHEET TITLE

Collection System
Plan & Profile

SS-31

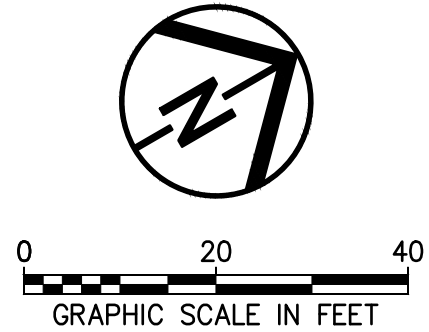
SHEET 31 OF 62



- NOTES:**
1. BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
 2. STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
 3. CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
 4. ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH, UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
 5. EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

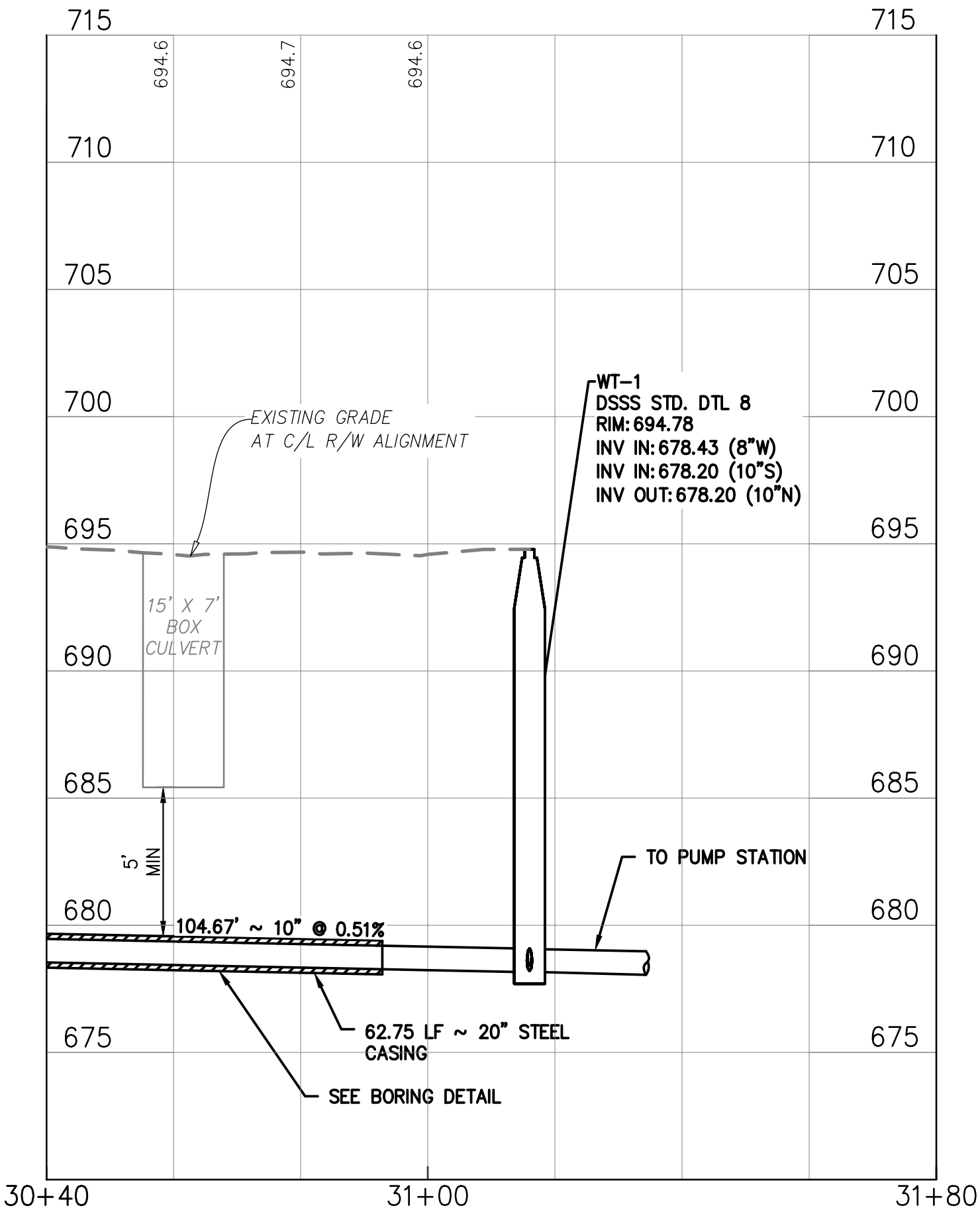
LEGEND (TYP.)

- W — FUTURE WATER LINE
- JACK & BORE PIT
- EXISTING SEPTIC TANK



LOCUST STREET (60' R/W)

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
WT-1	576420.5757	2230881.7051



GRAVITY SEWER PROFILE

C/L R/W ALIGNMENT
SCALE: 1" = 20' (HORIZ), 1" = 5' (VERT)



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Peninsula Environmental Sustainability
Project # Q-208
In The Village of Peninsula

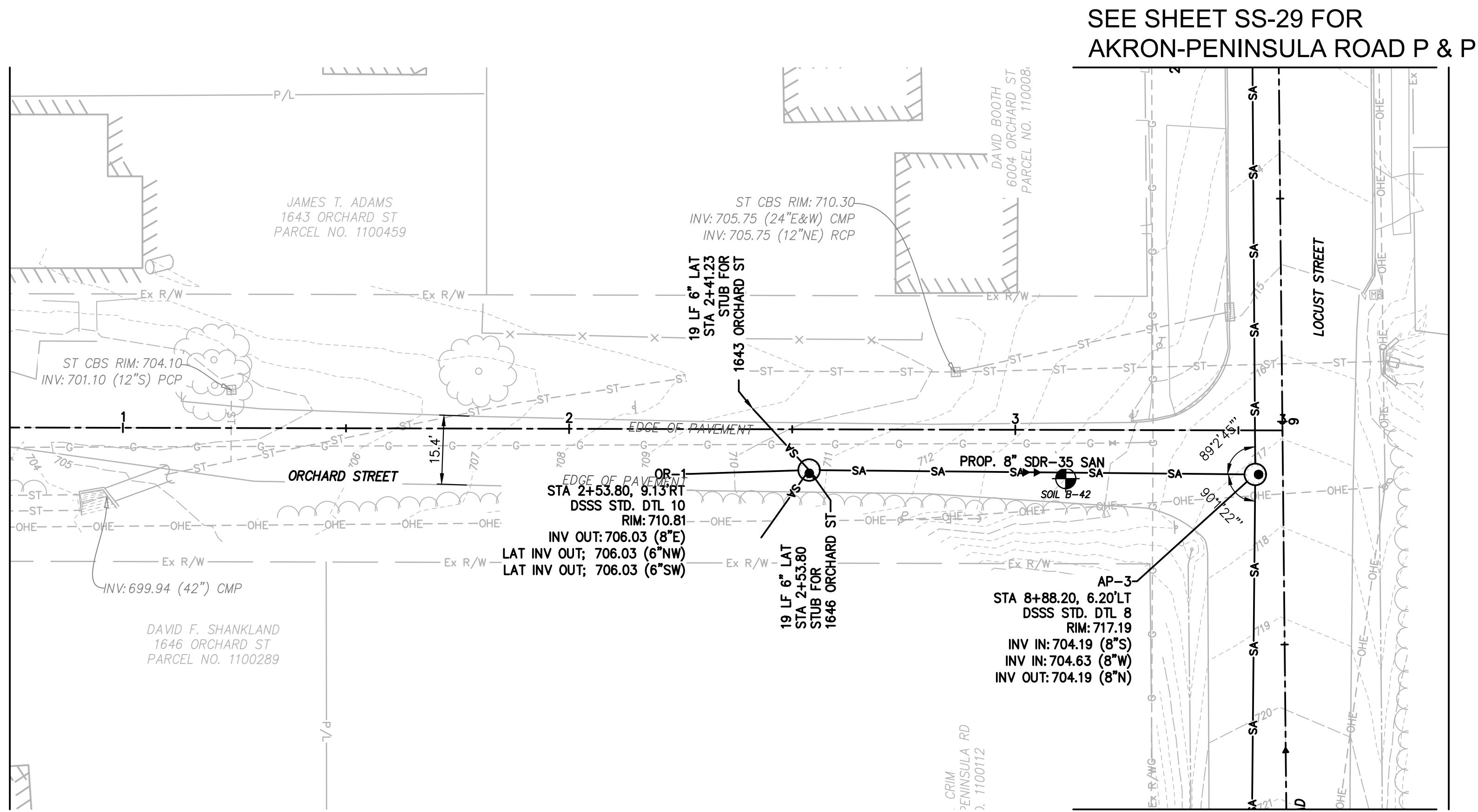
MARK	DATE	DESCRIPTION	BY

PROJECT NO: Q-208
DWG FILE:
DRAWN BY: EJO
DATE: JUNE 2025
DESIGNED BY: EJO/NTB
CHECKED BY: NTB/JPC
APPROVED BY: SEE

SHEET TITLE
Collection System
Plan & Profile

SS-34
SHEET 34 OF 62

**Environmental
Design Group**
AKRON / CLEVELAND / COLUMBUS
PO 450 GRANT ST., AKRON, OH 44311
P 330.375.1590 / TP 800.855.1590
W ENVDESIGNGROUP.COM



ORCHARD STREET (60' R/W)

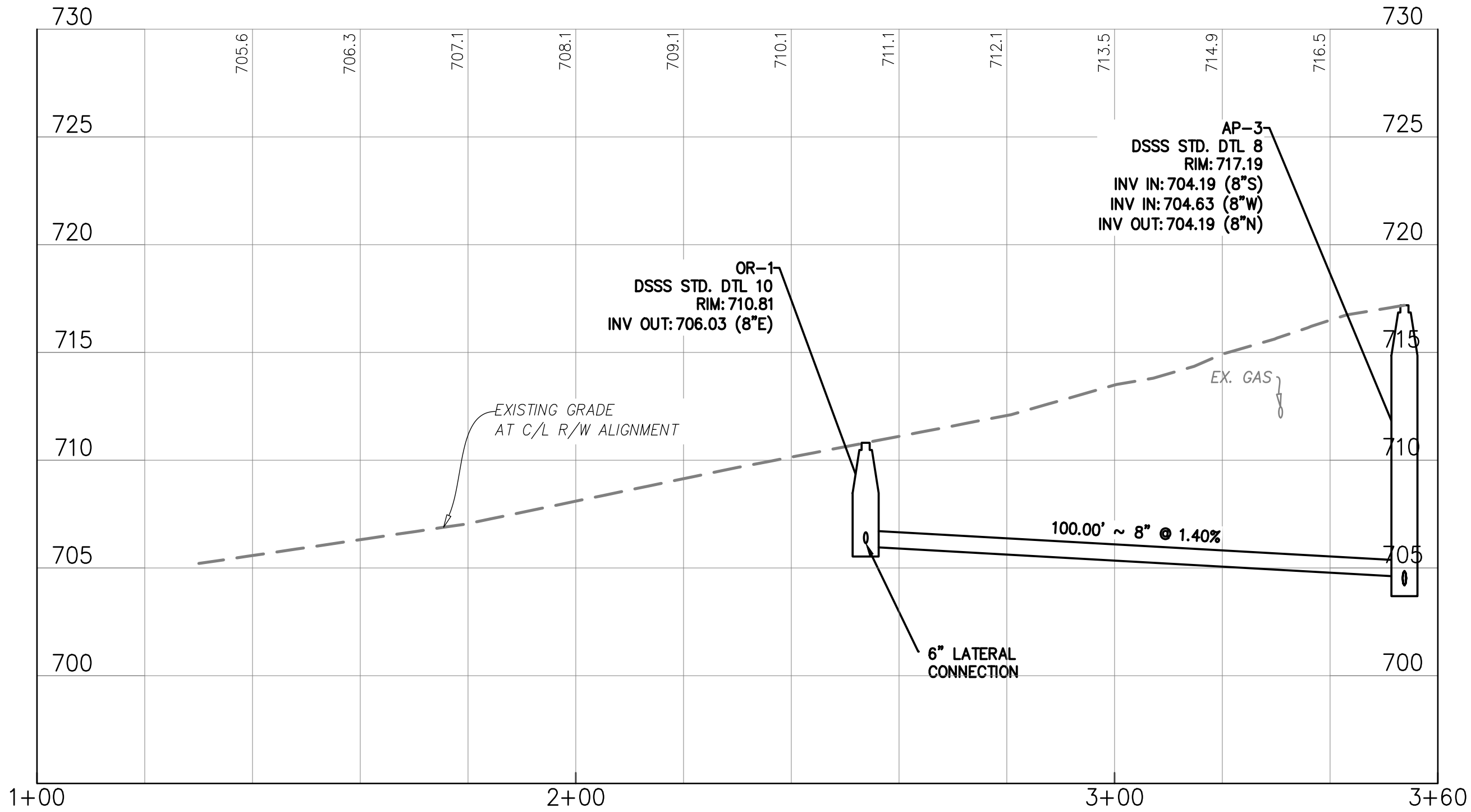
SEE SHEET SS-28 FOR
AKRON-PENINSULA ROAD P & P

- NOTES:**
- BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
 - STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
 - CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
 - ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH, UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
 - EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

LEGEND (TYP.)

- W — FUTURE WATER LINE
- JACK & BORE PIT
- EXISTING SEPTIC TANK

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
OR-1	574465.2660	2230153.5659



GRAVITY SEWER PROFILE

C/L R/W ALIGNMENT

SCALE: 1" = 20' (HORIZ), 1" = 5' (VERT)

**Environmental
DesignGroup**
AKRON / CLEVELAND / COLUMBUS
PO 450 GRANT ST., AKRON, OH 44311
P 330.375.1390 / TP 800.855.1390
W ENVDESIGNGROUP.COM

Peninsula Environmental Sustainability

Project # Q-208

In The Village of Peninsula

MARK	DATE	DESCRIPTION	BY

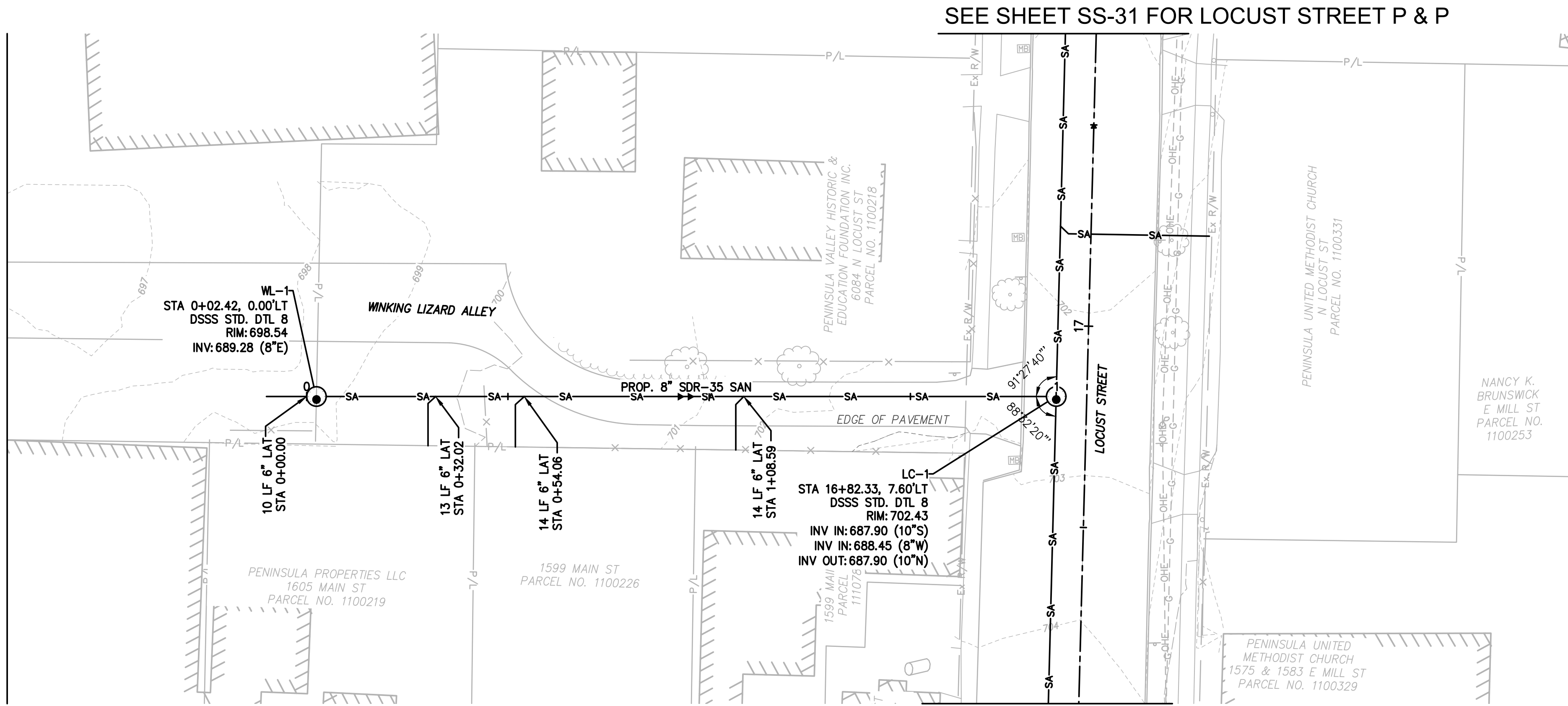
PROJECT NO:	Q-208
DWG FILE:	
DRAWN BY:	EJO
DATE:	JUNE 2025
DESIGNED BY:	EJO/NTB
CHECKED BY:	NTB/JPC
APPROVED BY:	SEE

SHEET TITLE

Collection
System
Plan & Profile

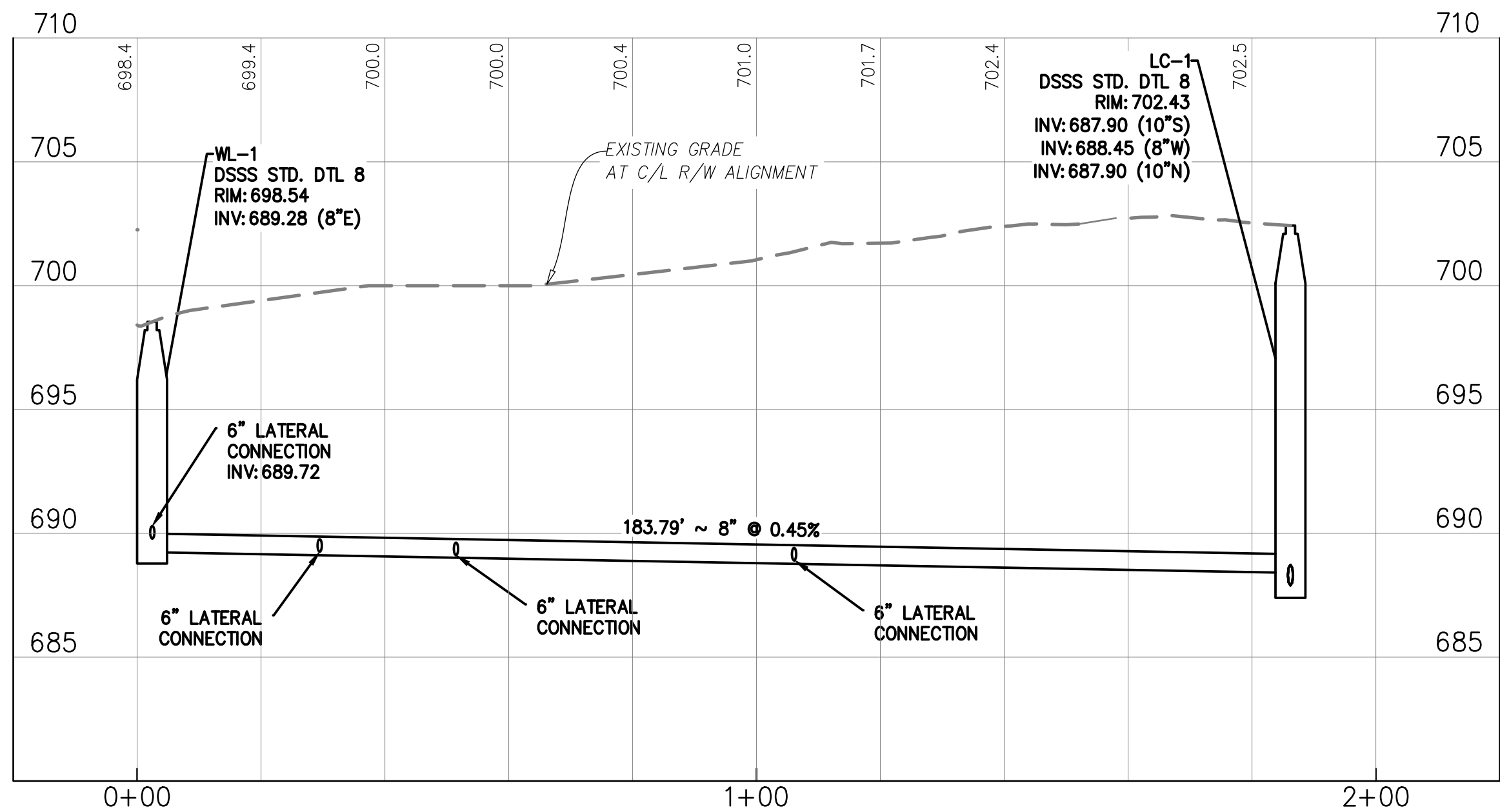
SS-35

SHEET 35 OF 62



SEE SHEET SS-30 FOR LOCUST STREET P & P

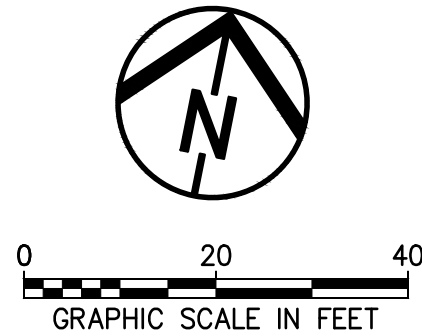
WINKING LIZARD ALLEY



GRAVITY SEWER PROFILE

C/L R/W ALIGNMENT

SCALE: 1" = 20' (HORIZ), 1" = 5' (VERT)



NOTES:

1. BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
2. STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
3. CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
4. ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH, UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
5. EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

LEGEND (TYP.)

- W — FUTURE WATER LINE
- [Hatched Box] JACK & BORE PIT
- [Circle with X] EXISTING SEPTIC TANK

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
WL-1	575256.2975	2230110.5860



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308
B&N
burgessniple.com

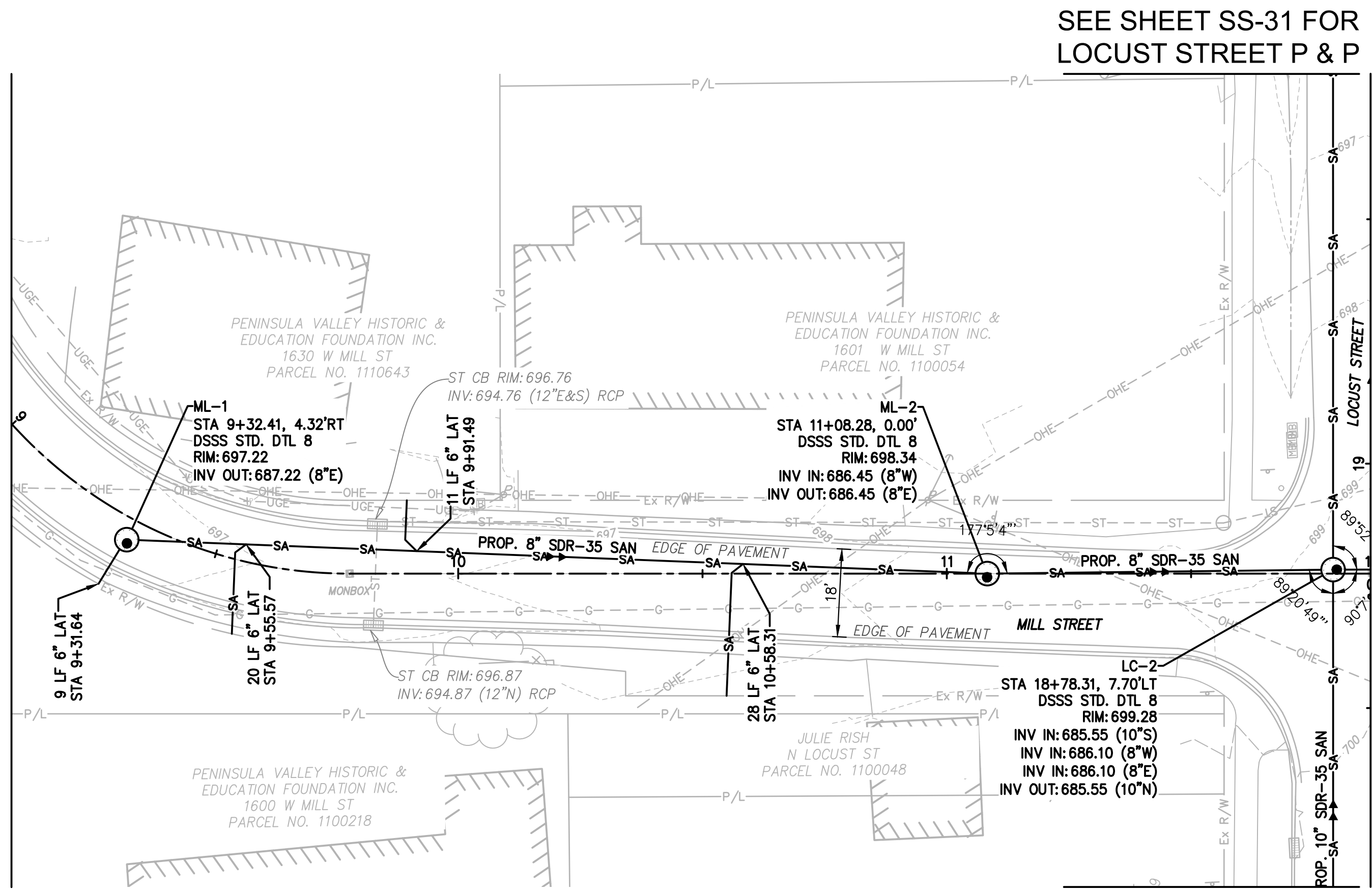
Peninsula Environmental Sustainability
Project # Q-208
In The Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO: Q-208
DWG FILE:
DRAWN BY: EJO
DATE: JUNE 2025
DESIGNED BY: EJO/NTB
CHECKED BY: NTB/JPC
APPROVED BY: SEE

SHEET TITLE
Collection System
Plan & Profile

SS-36
SHEET 36 OF 62



MILL STREET (R/W VARIES)

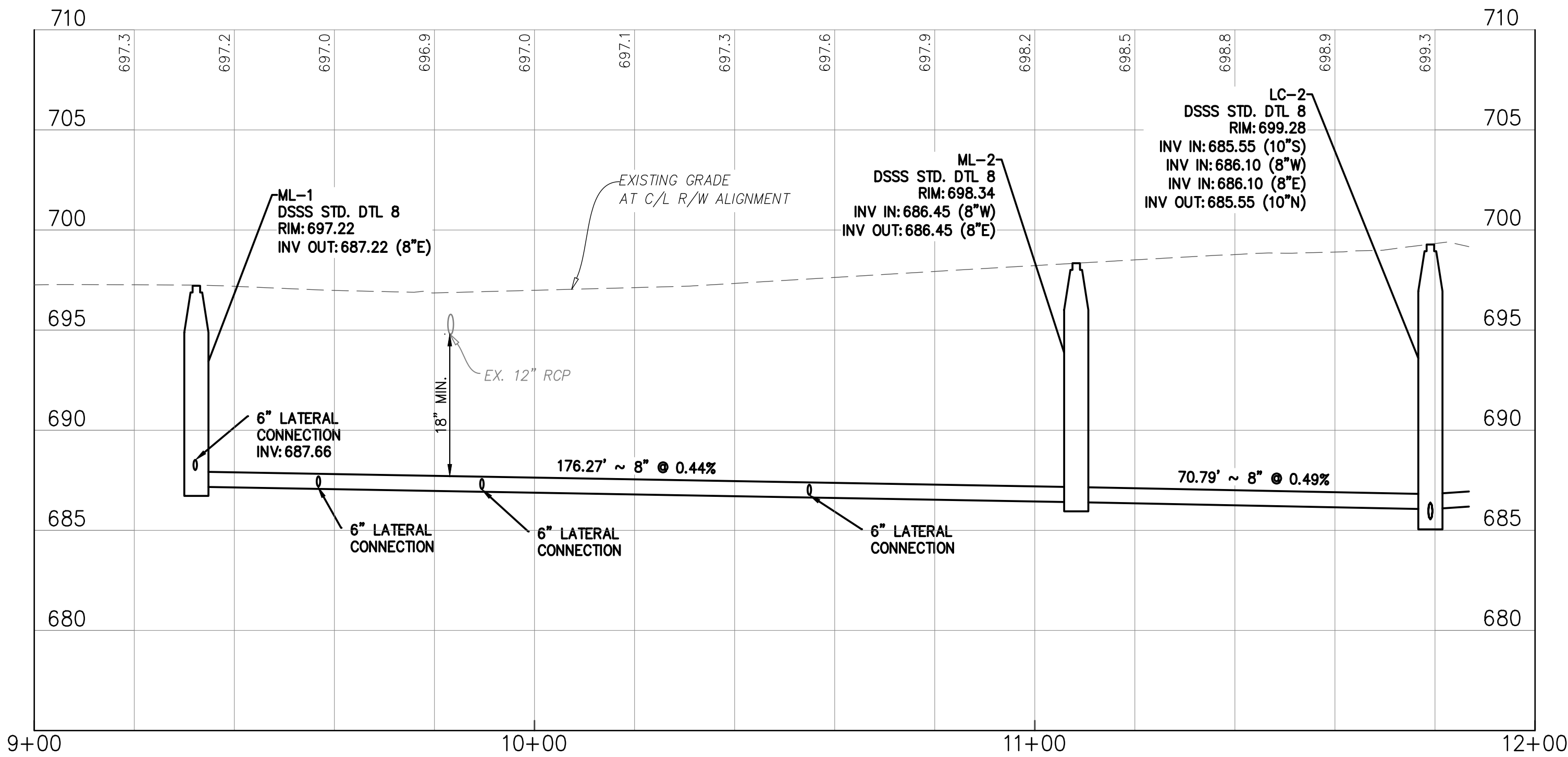
MATCHLINE CL STA. 1+00 - SEE SHEET SS-38

- NOTES:
- BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
 - STATION/OFFSET BASED ON CENTERLINE OF R/W ALIGNMENT (TYP.).
 - CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
 - ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH, UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
 - EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

LEGEND (TYP.)

- W — FUTURE WATER LINE
- JACK & BORE PIT
- EXISTING SEPTIC TANK

MANHOLE #	MANHOLE COORDINATES	
	NORTHING	EASTING
ML-1	575466.2270	2230058.6696
ML-2	575449.7626	2230234.1656



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Peninsula Environmental Sustainability
Project # Q-208
In The Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO: Q-208
DWG FILE:
DRAWN BY: EJO
DATE: JUNE 2025
DESIGNED BY: EJO/NTB
CHECKED BY: NTB/JPC
APPROVED BY: SEE

SHEET TITLE

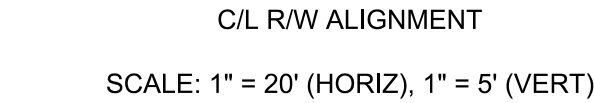
Collection
System
Plan & Profile

SS-37

SHEET 37 OF 62





GRAVITY SEWER PROFILE



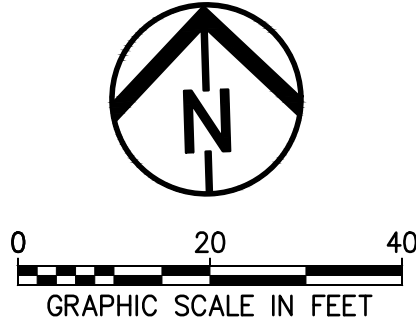
- ## NOTES:
1. BASEMENT HEIGHTS ARE SHOWN BASED ON RESIDENT SURVEYS AND CORRESPONDING BASEMENT PROFILE ELEVATIONS ARE ESTIMATED. WHERE BASEMENT ELEVATIONS ARE NOT SHOWN, NO RESIDENT SURVEY WAS RECEIVED (TYP.).
 2. STATION/OFFSET BASED ON CENTERLINE OF RW ALIGNMENT (TYP.).
 3. CURB, GUTTER, AND SIDEWALK REPAIRS SHALL MATCH EXISTING (TYP.).
 4. ROAD REPAIR ASSUMED TO CONSIST OF AN 6' WIDE TRENCH, UPON COMPLETION OF SANITARY SEWER INSTALLATION, ROAD SHALL BE REPAIRED TO MEET EXISTING IN TYPE AND DEPTH
 5. EXACT LOCATION OF SANITARY FACILITIES ARE SUBJECT TO CHANGE BASED UPON IN SITU CONDITIONS AND CONSTRUCTION/REPAIR PROCESS. UPON DISCOVERY OF ANY SIGNIFICANT CONFLICTS, NOTIFY ENGINEER OF RECORD.

—W— FUTURE WATER LINE

 JACK & BORE PIT

 EXISTING SEPTIC TANK

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
DC-1	576342.4691	2230265.7145
DC-2	576334.3831	2230543.4612



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308



Peninsula Environmental Sustainability

Project # Q-208

In The Village of Peninsula

[illegible]

PROJECT NO: Q-208	
DWG FILE:	
DRAWN BY:	EJO
DATE:	JUNE 2025
DESIGNED BY:	EJO/NTB
CHECKED BY:	NTB/JPC
APPROVED BY:	SEE

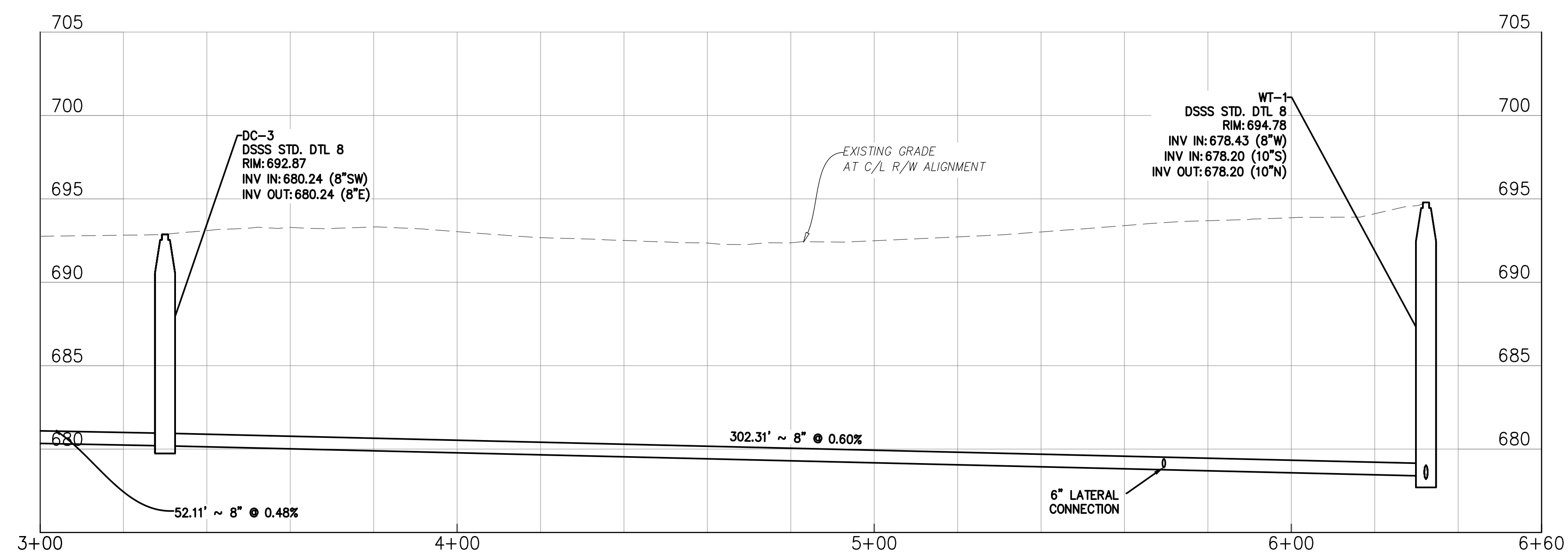
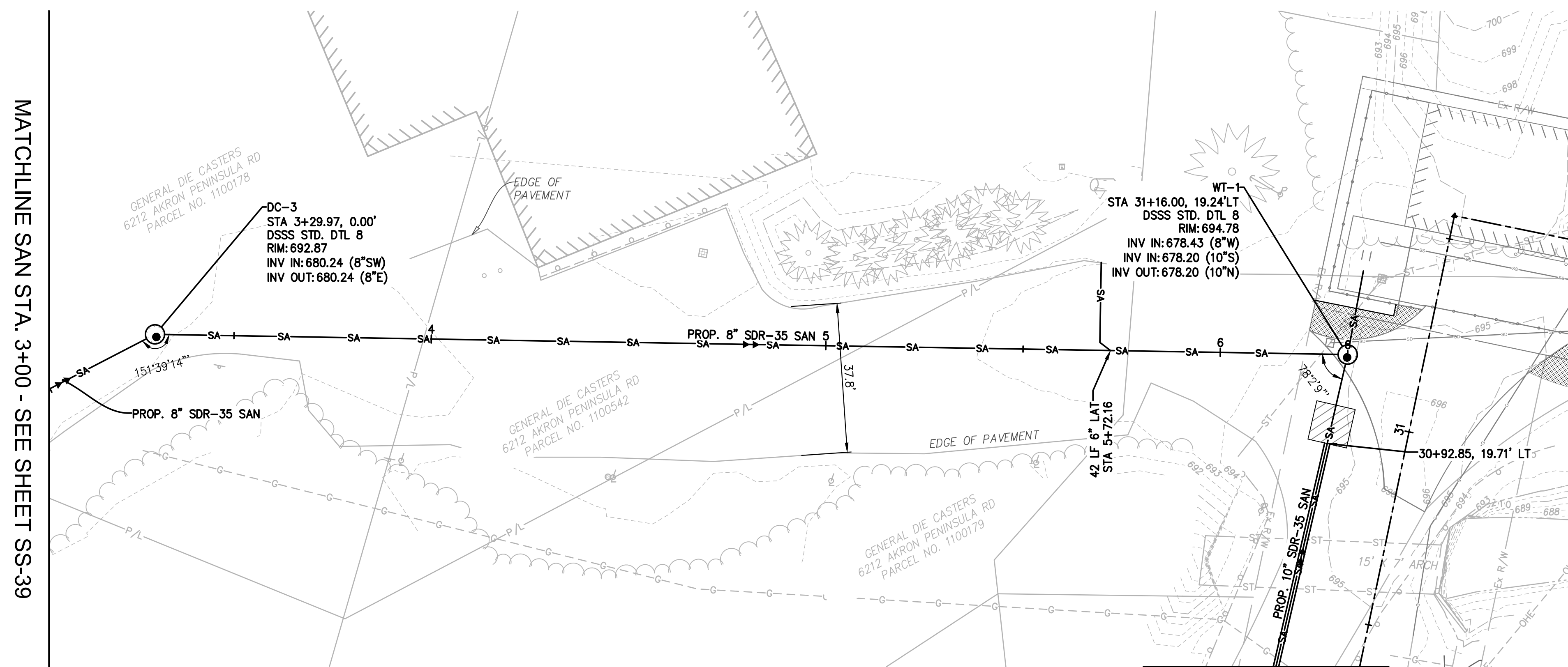
SHEET TITLE

Collection System Plan & Profile

SS-39

SHEET 39 OF 62

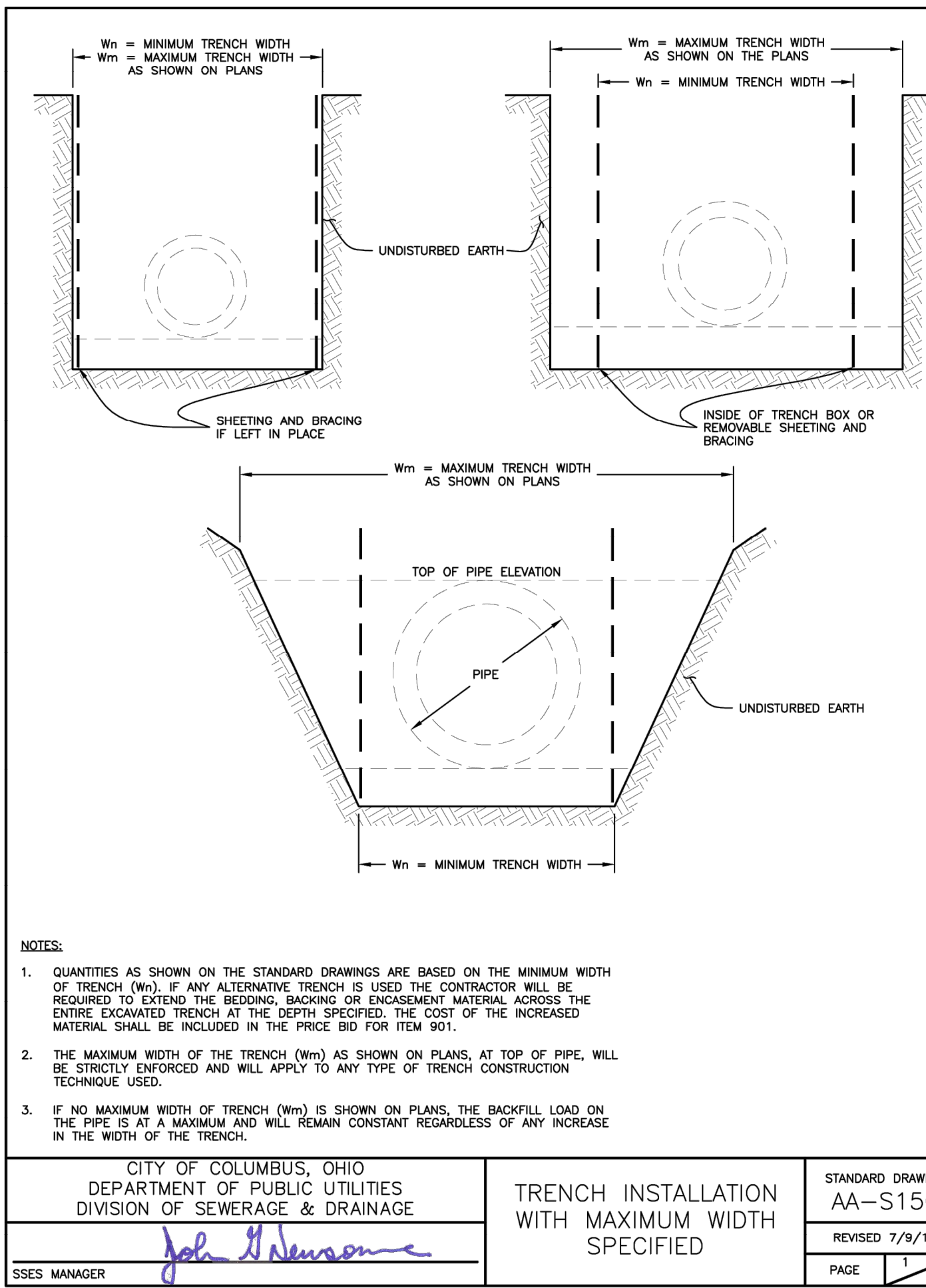
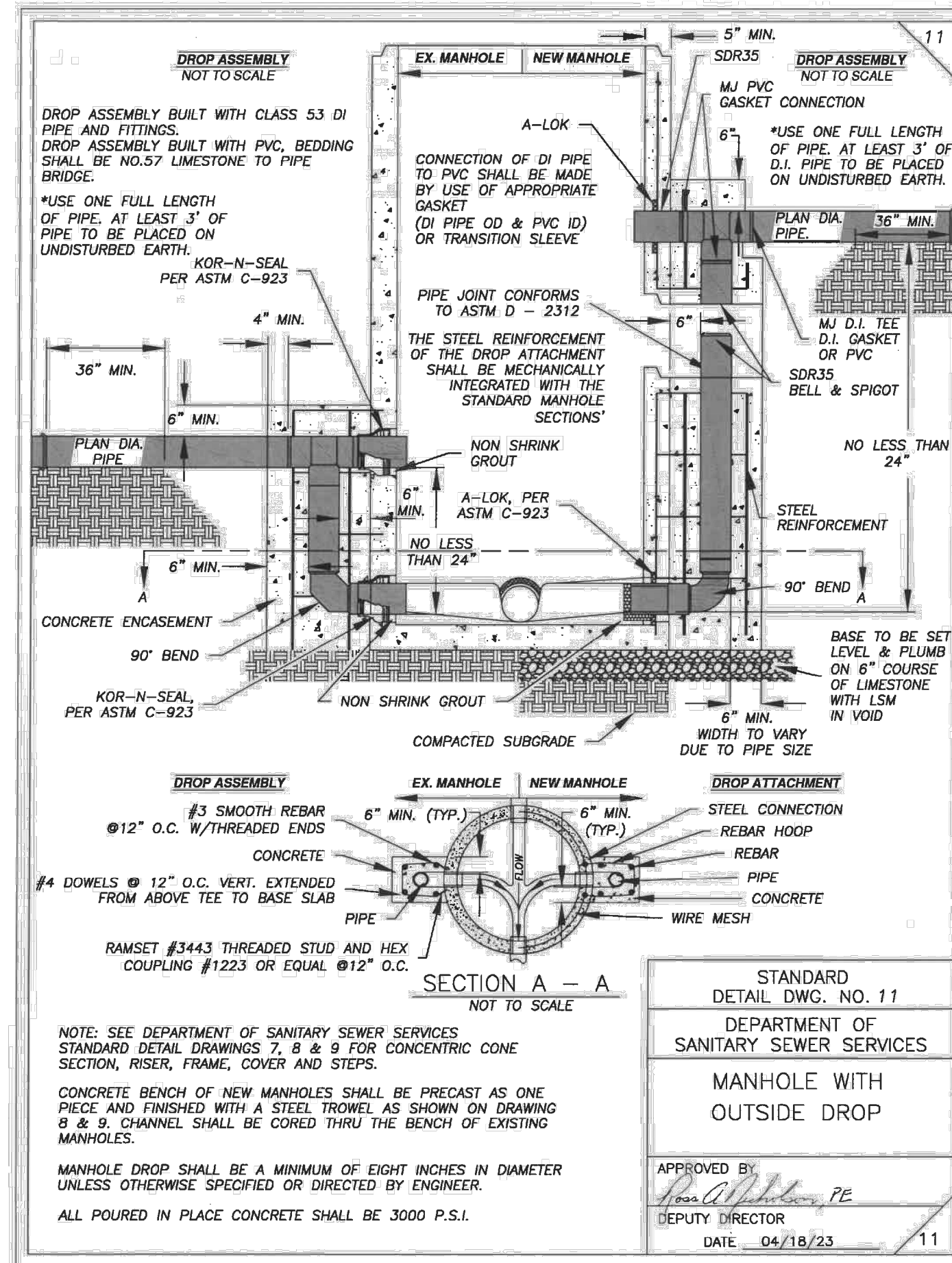
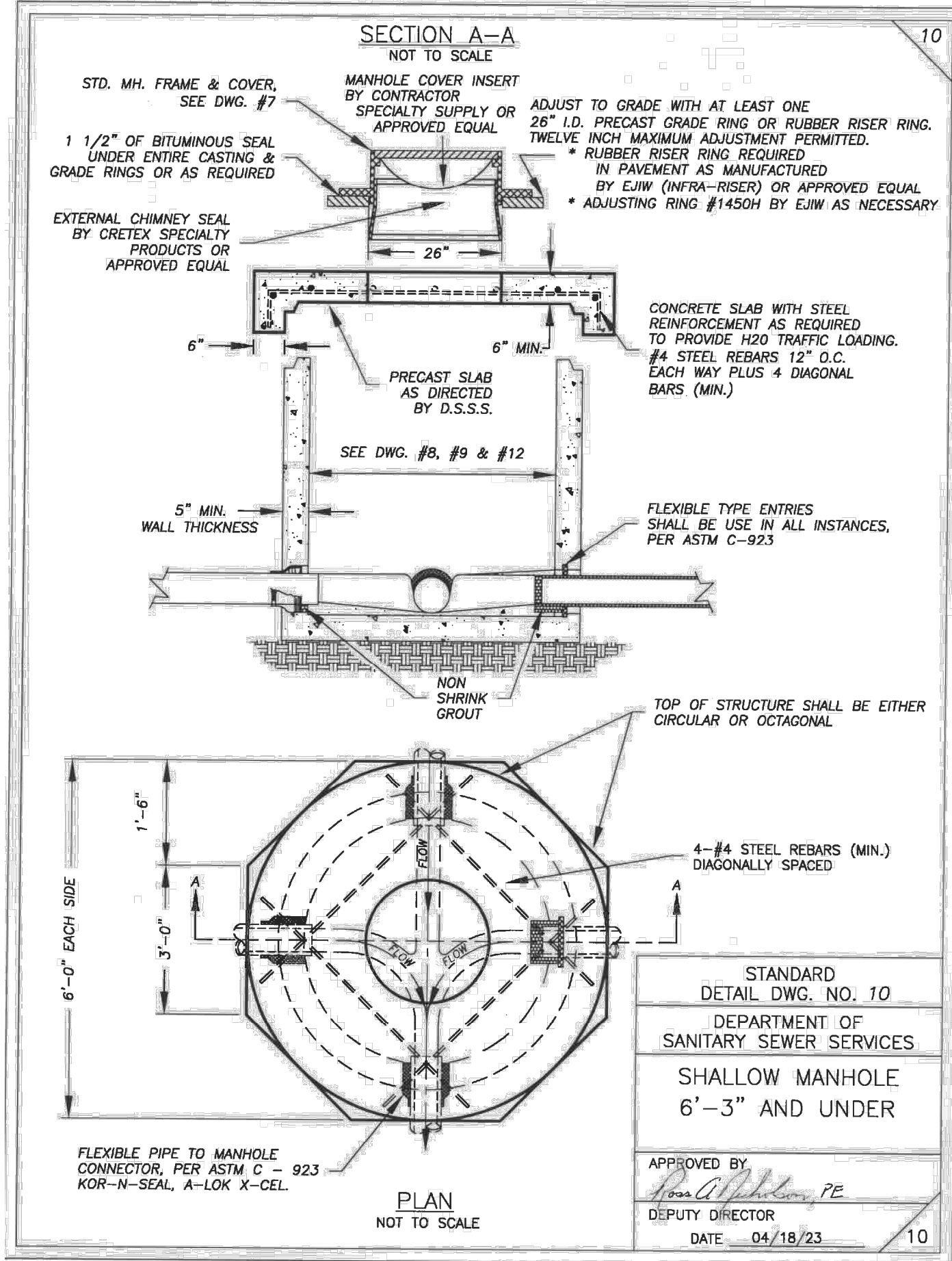
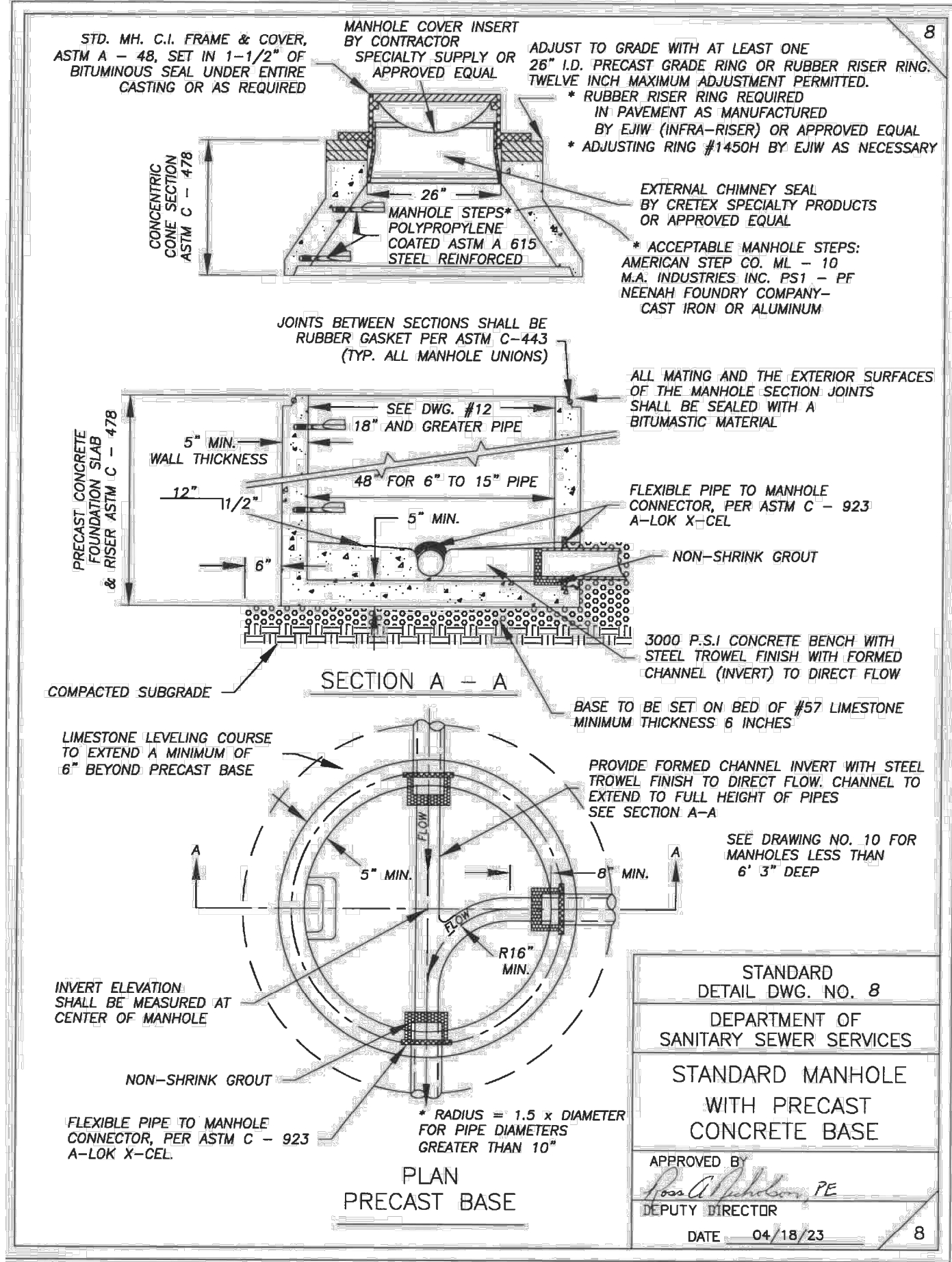




- NOTES:

LEGEND (TYP.)

MANHOLE COORDINATES		
MANHOLE #	NORTHING	EASTING
DC-3	576366.8766	2230584.1977



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

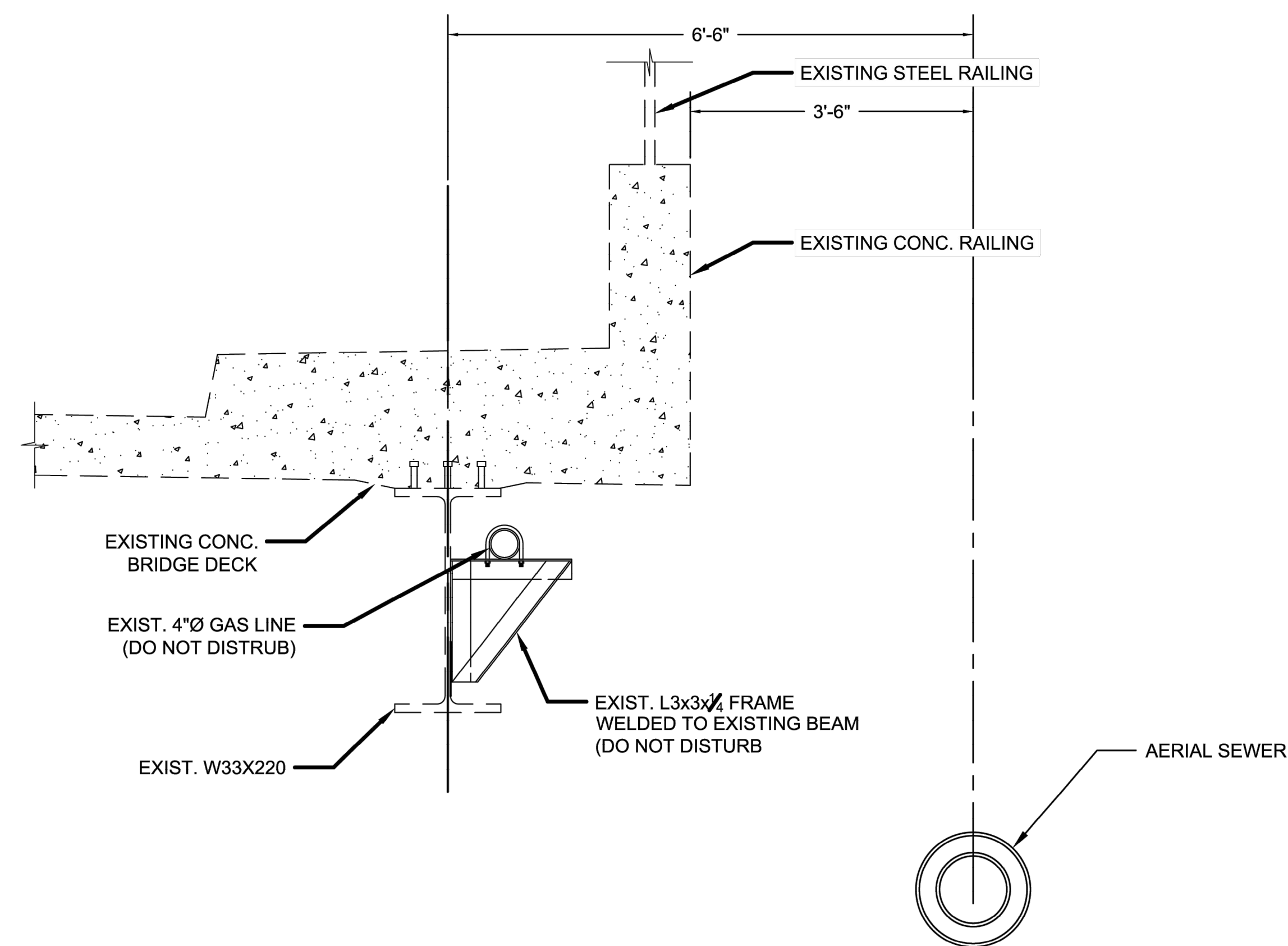
Peninsula Environmental Sustainability
Project # Q-208
In The Village of Peninsula

MARK	DATE	DESCRIPTION	BY

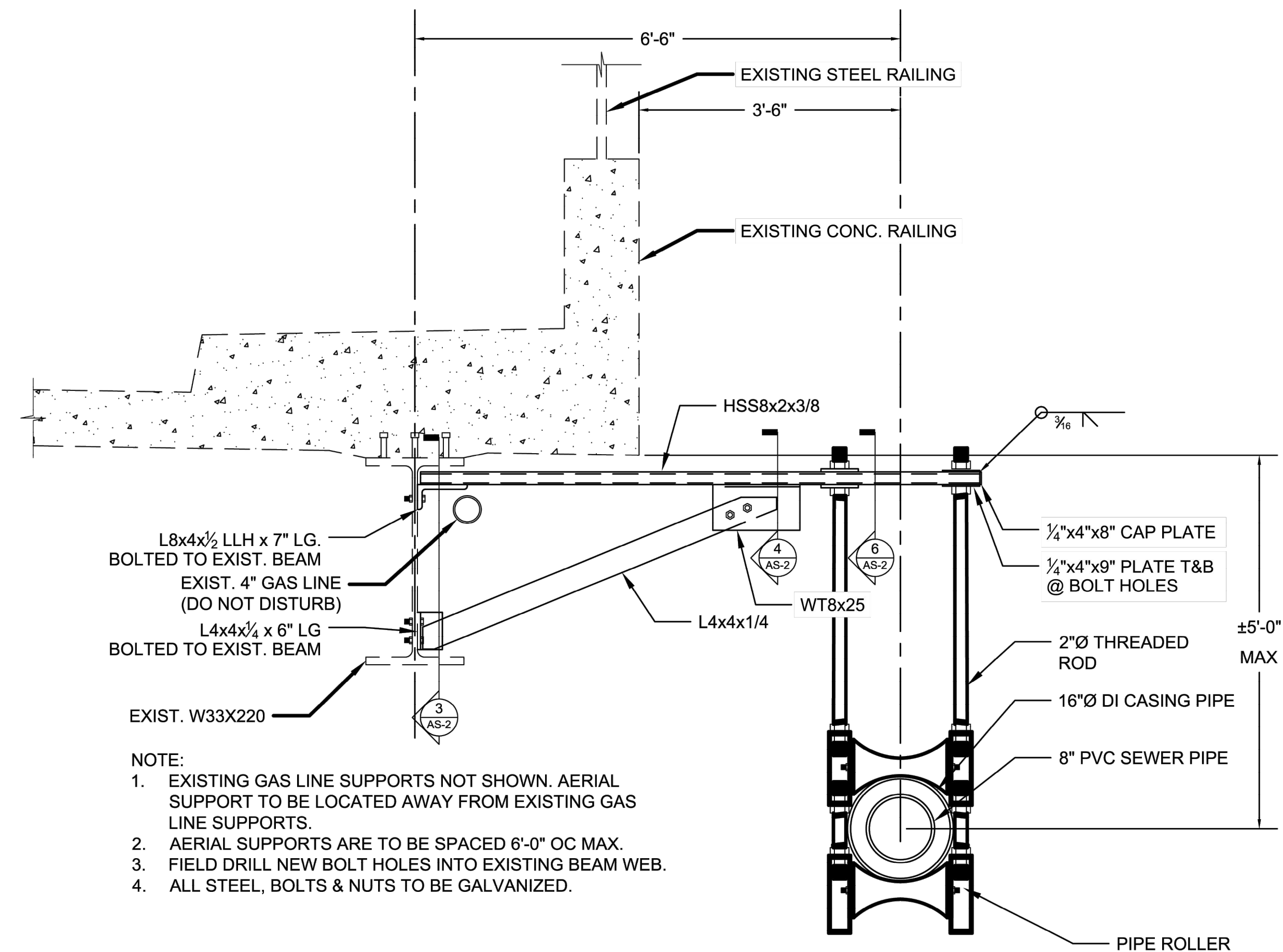
PROJECT NO: Q-208
DWG FILE:
DRAWN BY: EJO
DATE: JUNE 2025
DESIGNED BY: EJO/NTR
CHECKED BY: NTR/JPC
APPROVED BY: SEE

SHEET TITLE
Sanitary Sewer Construction Details

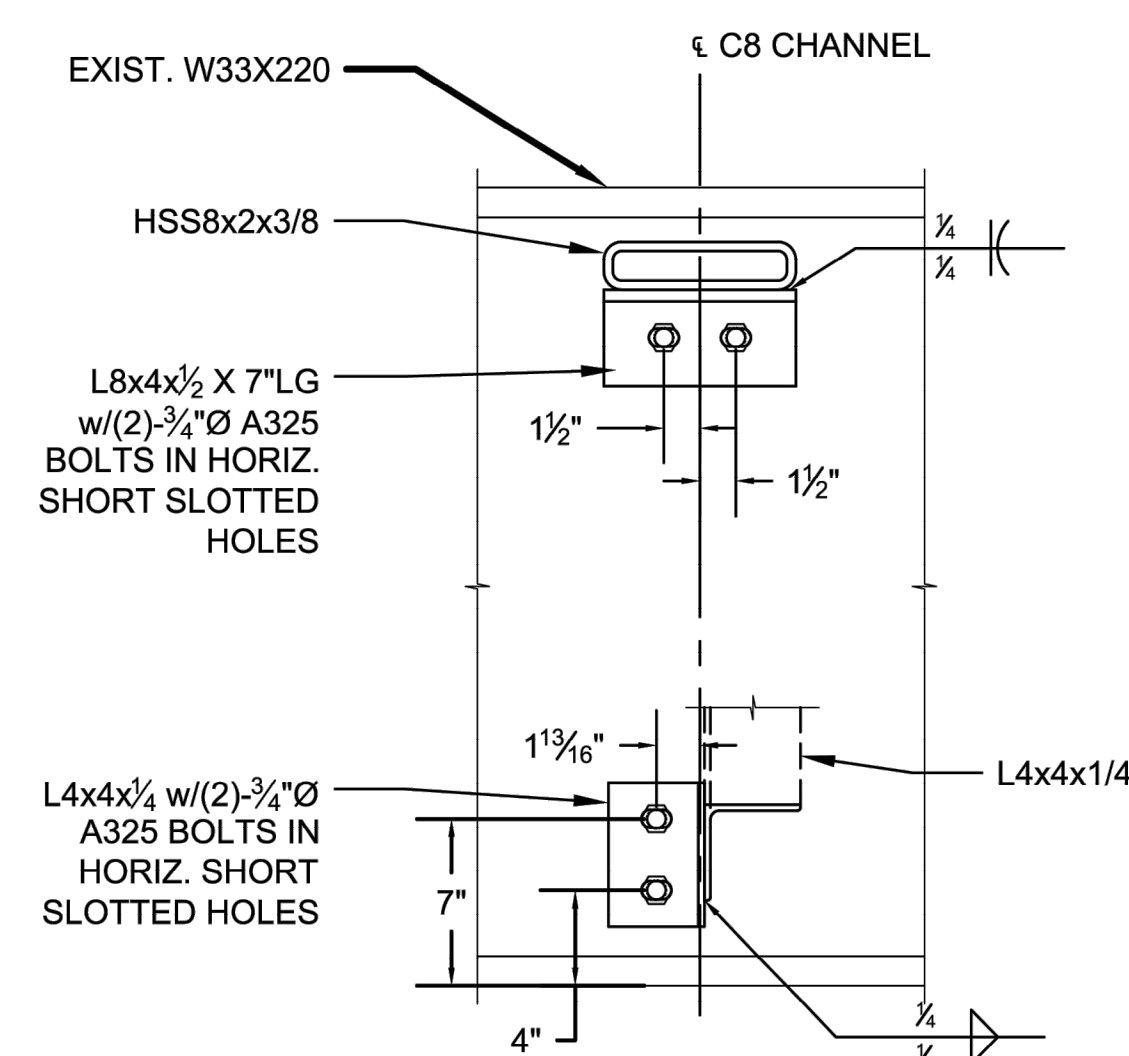
SS-42
SHEET 42 OF 62



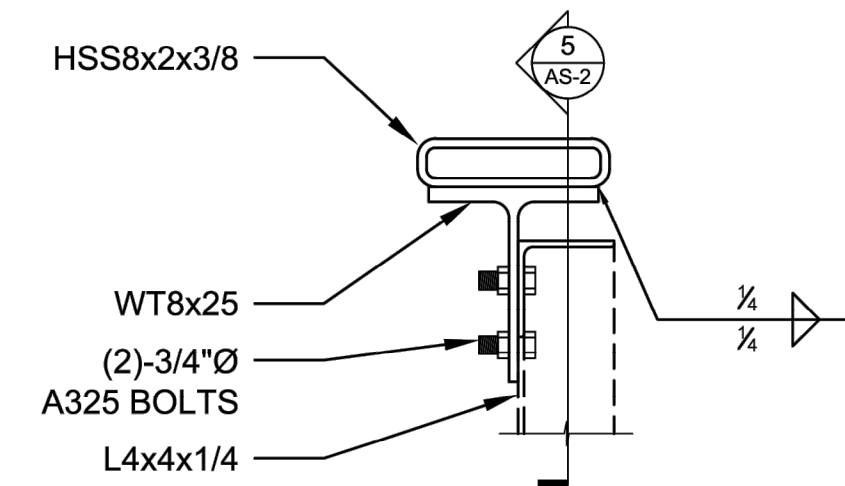
1
AS-2



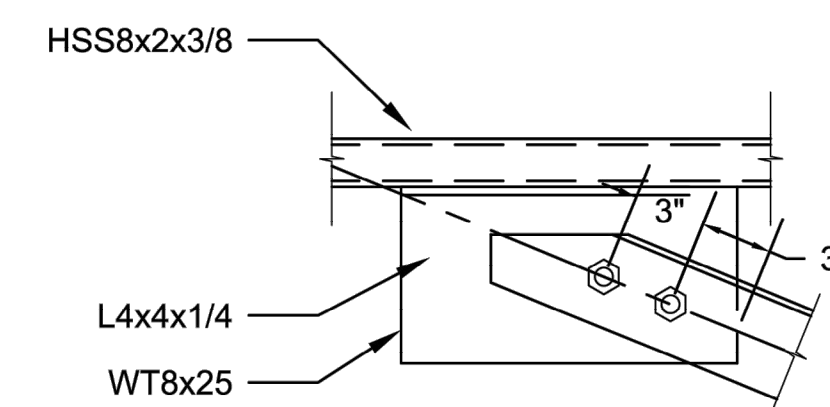
2
AS-2



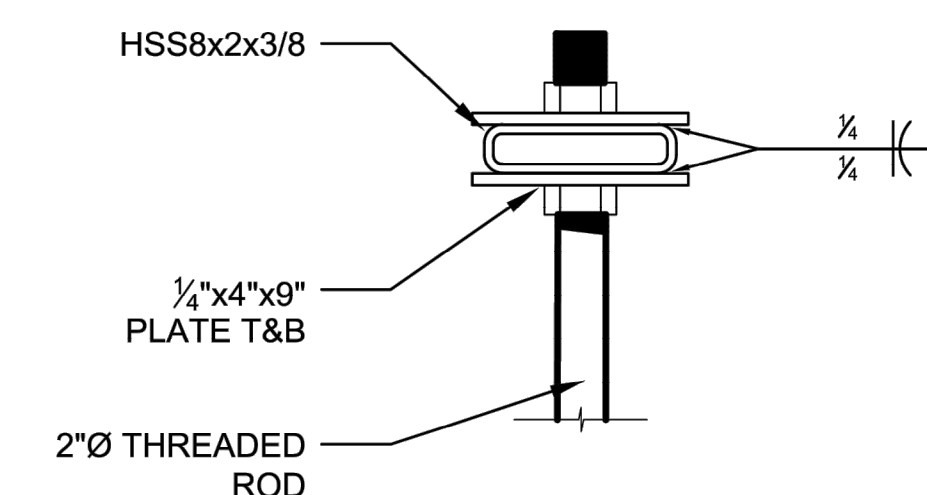
3
AS-2



4
AS-2



5
AS-2



6
AS-2

- NOTE:
1. EXISTING GAS LINE SUPPORTS NOT SHOWN. AERIAL SUPPORT TO BE LOCATED AWAY FROM EXISTING GAS LINE SUPPORTS.
 2. AERIAL SUPPORTS ARE TO BE SPACED 6'-0" OC MAX.
 3. FIELD DRILL NEW BOLT HOLES INTO EXISTING BEAM WEB.
 4. ALL STEEL, BOLTS & NUTS TO BE GALVANIZED.

County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301

Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Environmental Sustainability

Project # Q-208

In The Village of Peninsula

[illegible]

PROJECT NO: Q-208	
DWG FILE:	
DRAWN BY:	DAJH
DATE:	01/16/2025
DESIGNED BY:	DAJH
CHECKED BY:	KA
APPROVED BY:	DAJH

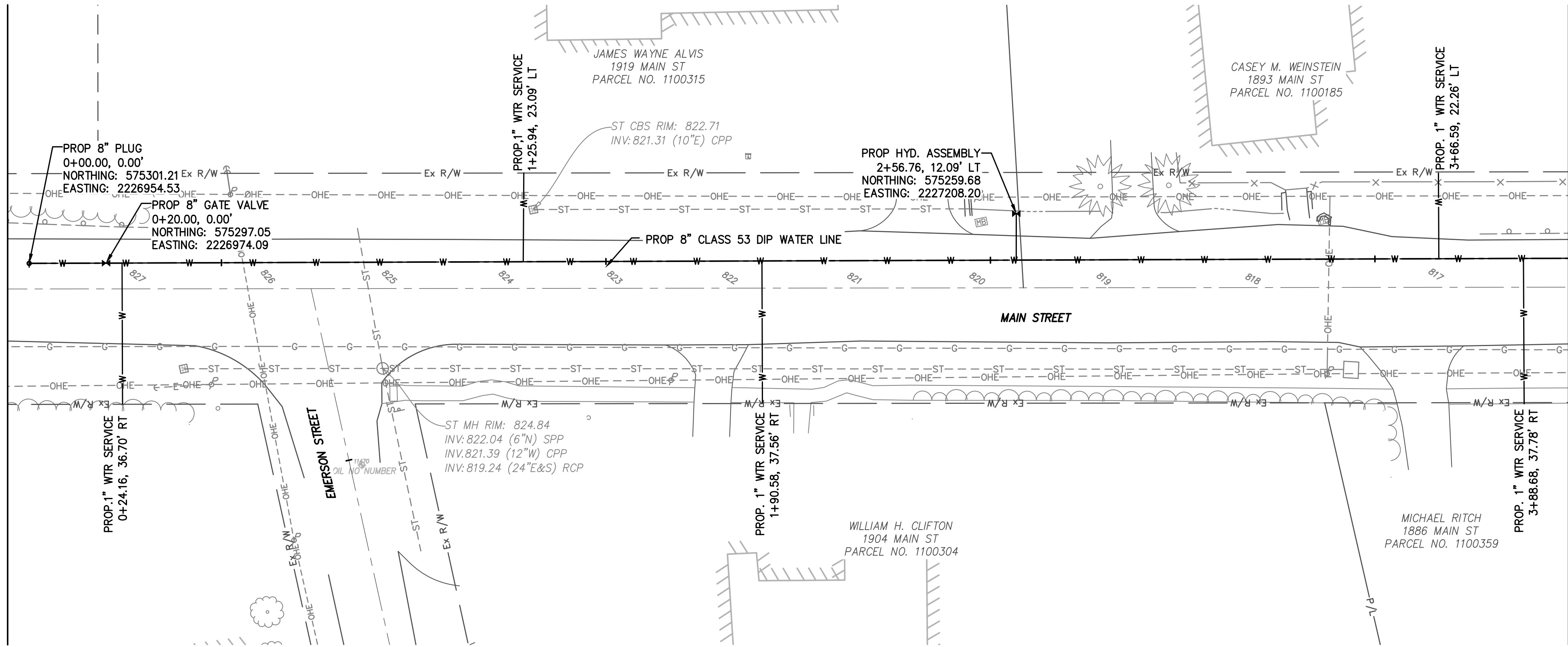
SHEET TITLE

Aerial
Sewer
Crossing
Details

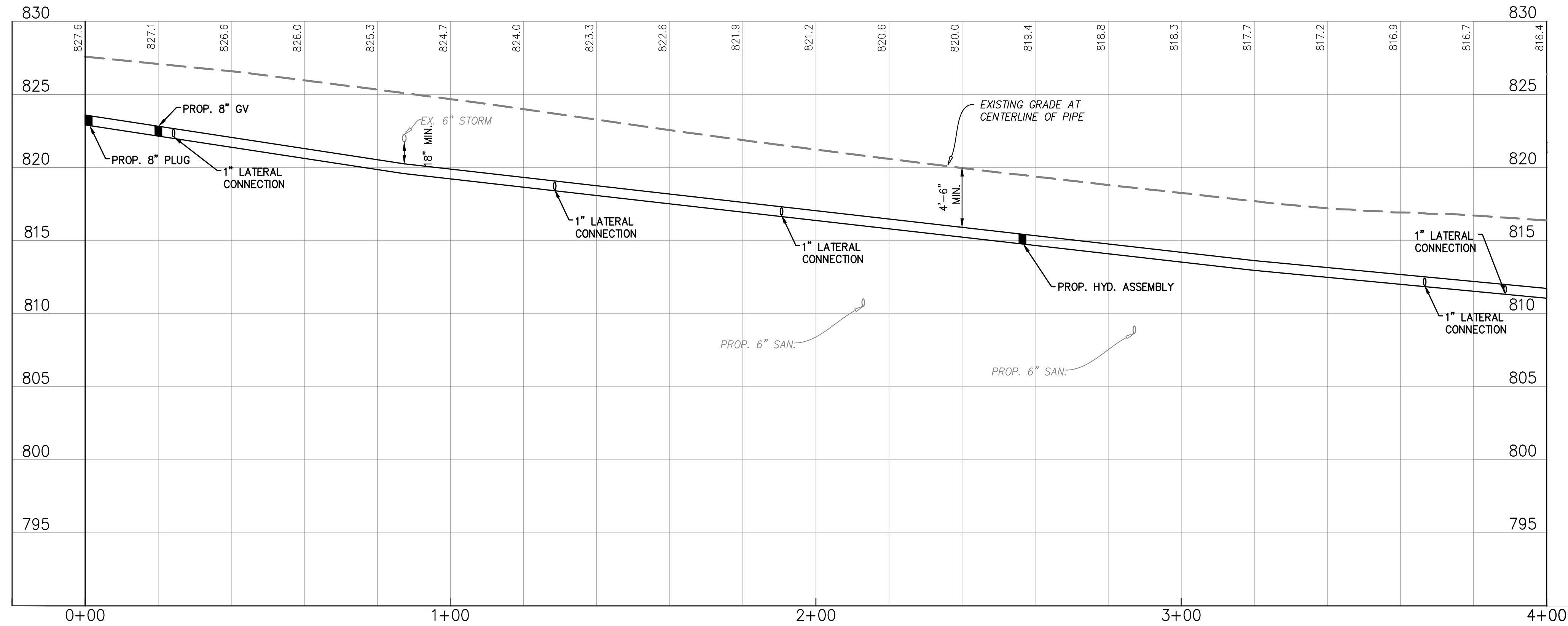
AS-2

SHEET 44 OF 62

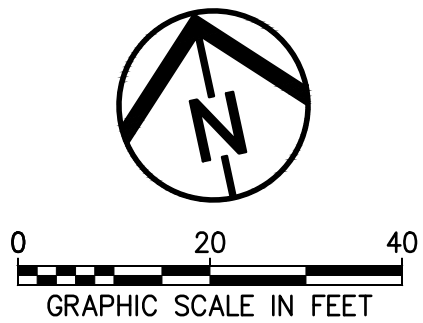
100 % SUBMITTAL



S.R. 303 - MAIN STREET (66' R/W)



WATER LINE PROFILE
W/L ALIGNMENT



- NOTES:**
1. WATER LINE SHALL BE INSTALLED VIA OPEN TRENCH CONSTRUCTION UNLESS STATED OTHERWISE (TYP.).
 2. STATION/OFFSET BASED ON WATERLINE ALIGNMENT (TYP.).



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

184 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Peninsula Environmental Sustainability	
Project # Q-208	
In The Village of Peninsula	

MARK	DATE	DESCRIPTION	BY

PROJECT NO:	Q-208
DWG FILE:	
DRAWN BY:	EJO
DATE:	6/6/25
DESIGNED BY:	EJO/NTR
CHECKED BY:	NTR/JPC
APPROVED BY:	SEE

SHEET TITLE

Water Line
Plan & Profile

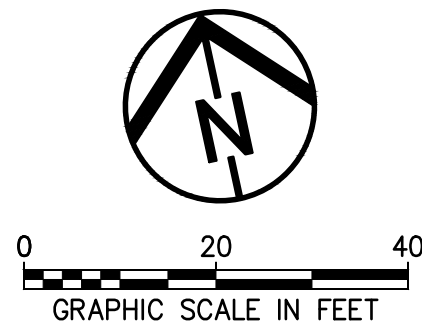
W-3

SHEET 47 OF 62

**Environmental
Design Group**
AKRON / CLEVELAND / COLUMBUS
PO 450 GRANT ST., AKRON, OH 44331
P 330.375.1390 / TP 800.855.1390
W ENVDESIGNGROUP.COM



MATCHLINE WL STA. 4+00 - SEE SHEET W-3



NOTES:

1. WATER LINE SHALL BE INSTALLED VIA OPEN TRENCH CONSTRUCTION UNLESS STATED OTHERWISE (TYP.).
2. STATION/OFFSET BASED ON WATERLINE ALIGNMENT (TYP.).

County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2445

B&N
burgessniple.com

<p>Peninsula Environmental Sustainability</p>
<p>Project # Q-208</p>
<p>In The Villages of Peninsula</p>

[illegible]

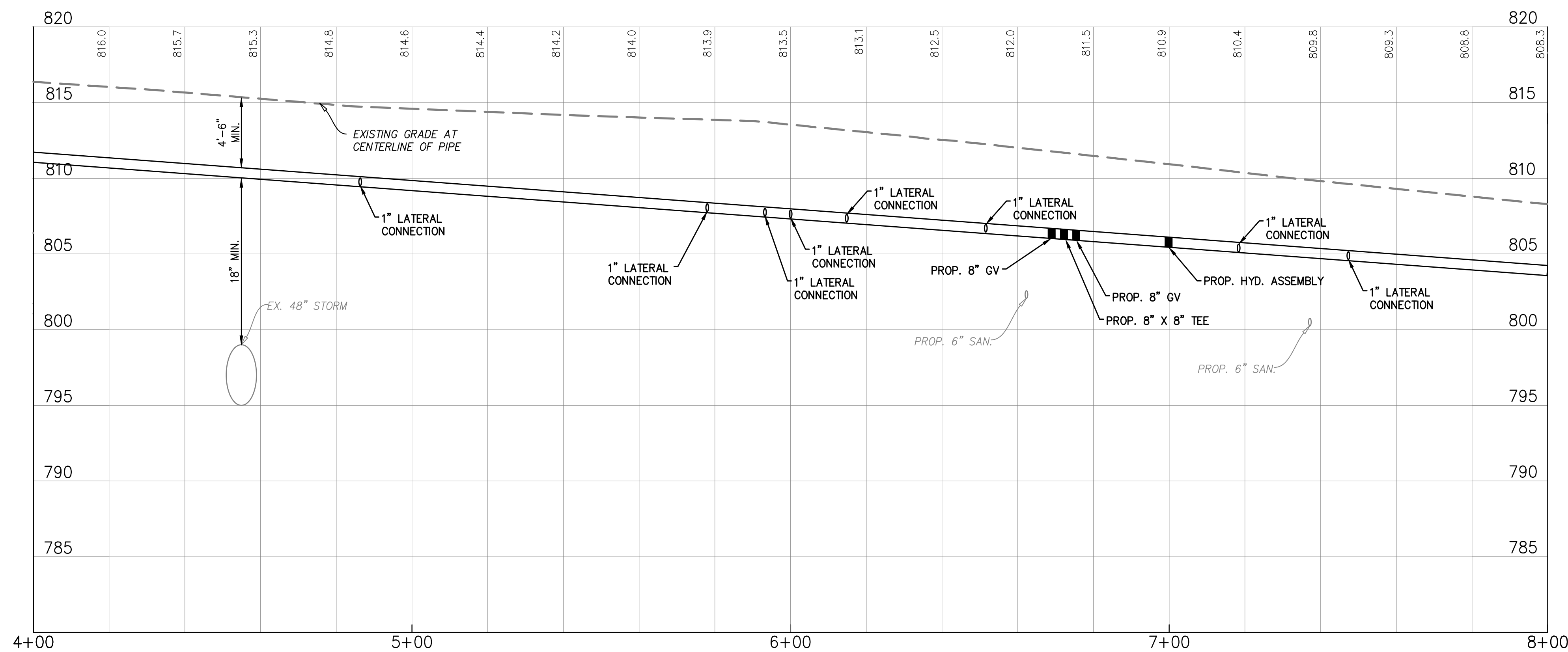
PROJECT NO: Q-208	
DWG FILE:	
DRAWN BY:	EJO
DATE:	6/6/25
DESIGNED BY:	EJO
CHECKED BY:	NTB
APPROVED BY:	SEE

SHEET TITLE

Water Line Plan & Profi

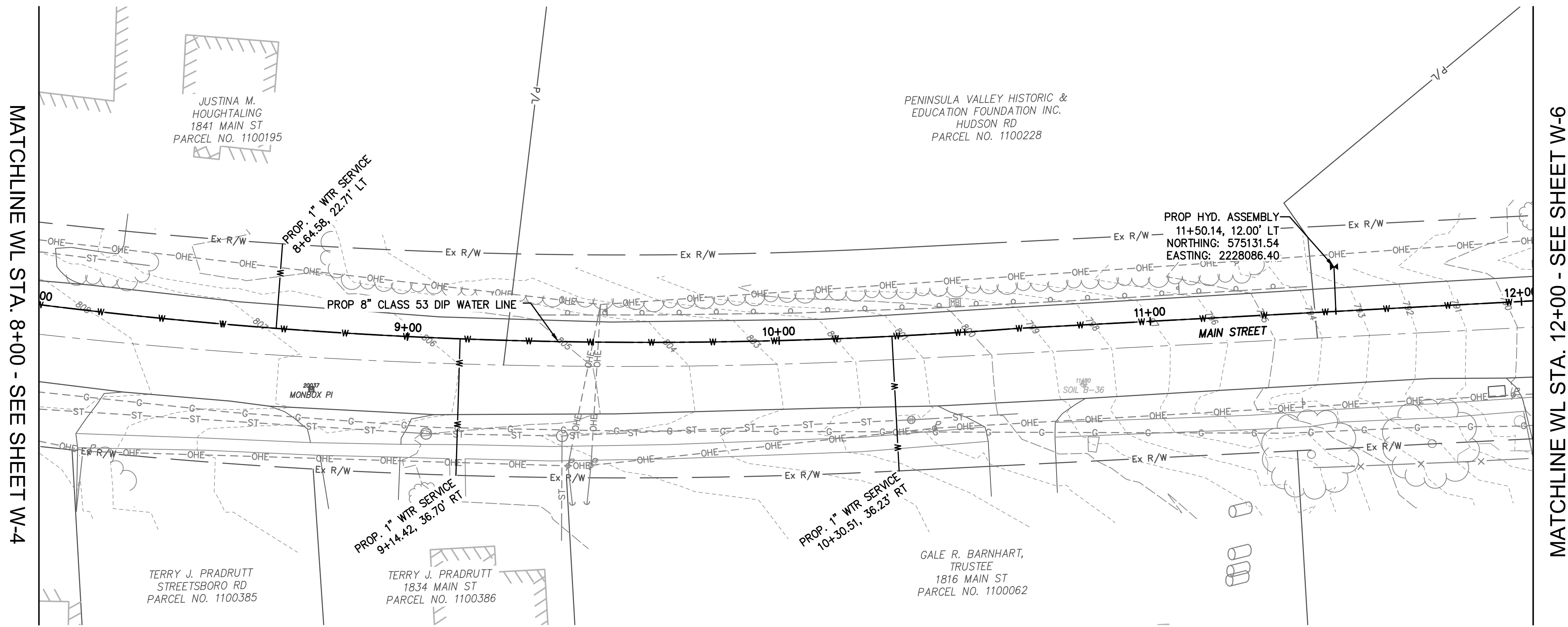
W-4

SHEET 48 OF 62

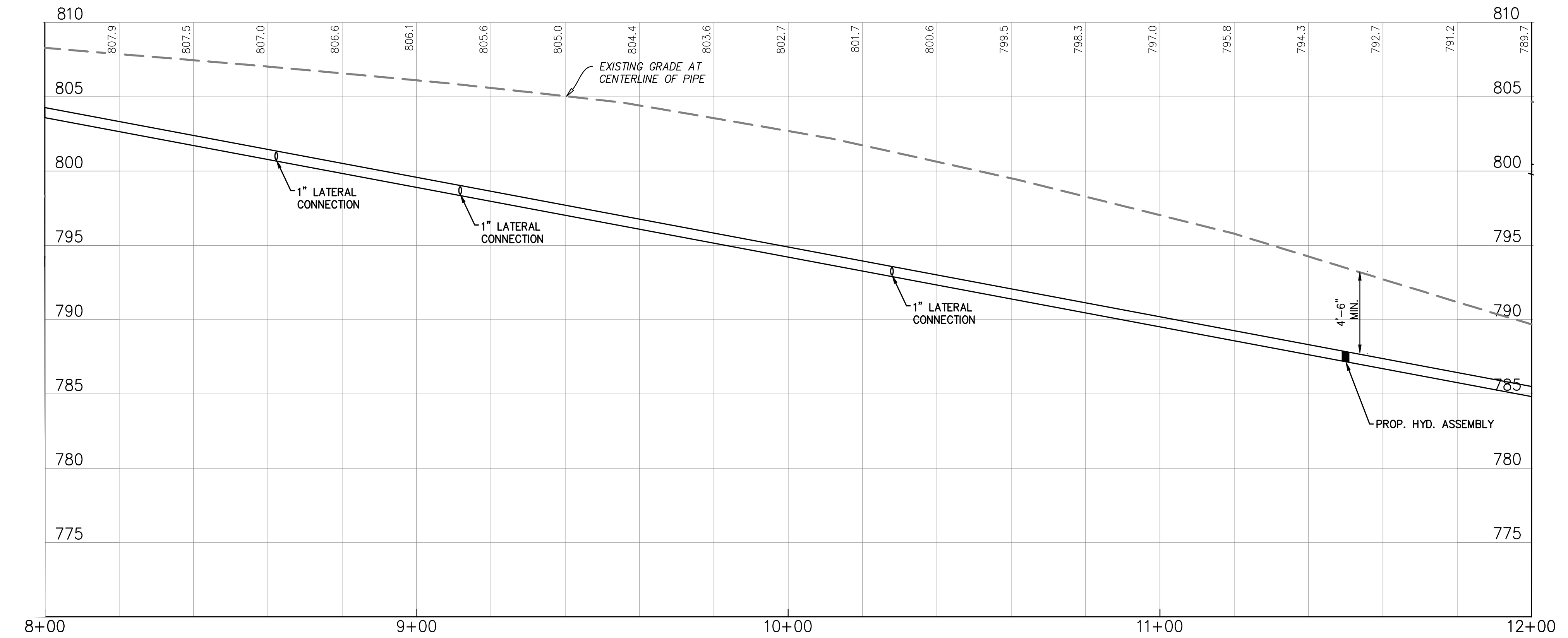


WATER LINE PROFILE

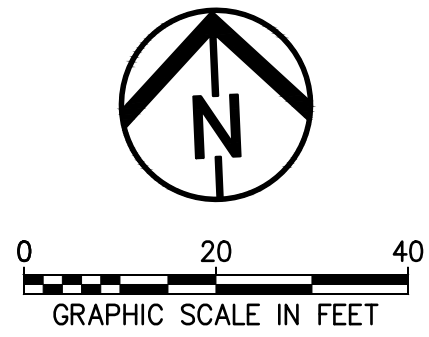




S.R. 303 - MAIN STREET (66' R/W)



WATER LINE PROFILE
W/L ALIGNMENT



- NOTES:**
- 1. WATER LINE SHALL BE INSTALLED VIA OPEN TRENCH CONSTRUCTION UNLESS STATED OTHERWISE (TYP.).
 - 2. STATION/OFFSET BASED ON WATERLINE ALIGNMENT (TYP.).



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308
B&N
burgessniple.com

Peninsula Environmental Sustainability
Project # Q-208
In The Village of Peninsula

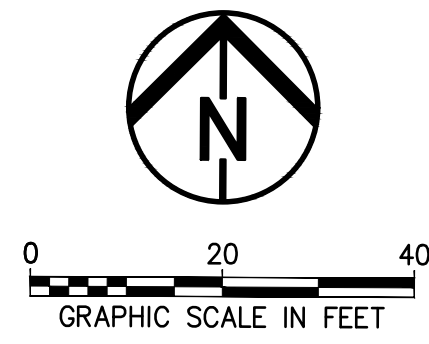
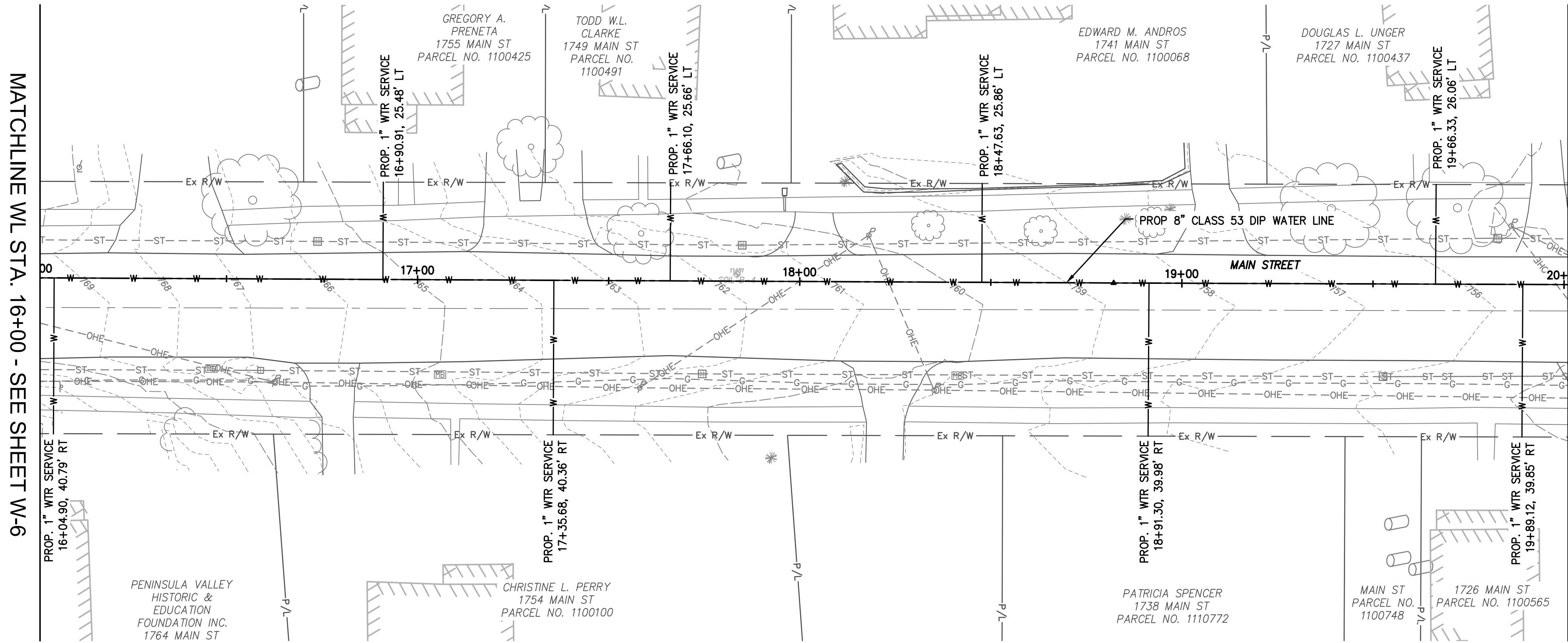
MARK	DATE	DESCRIPTION	BY

PROJECT NO:	Q-208
DWG FILE:	
DRAWN BY:	EJO
DATE:	JUNE 2025
DESIGNED BY:	EJO/NTB
CHECKED BY:	NTB/JPC
APPROVED BY:	SEE

SHEET TITLE

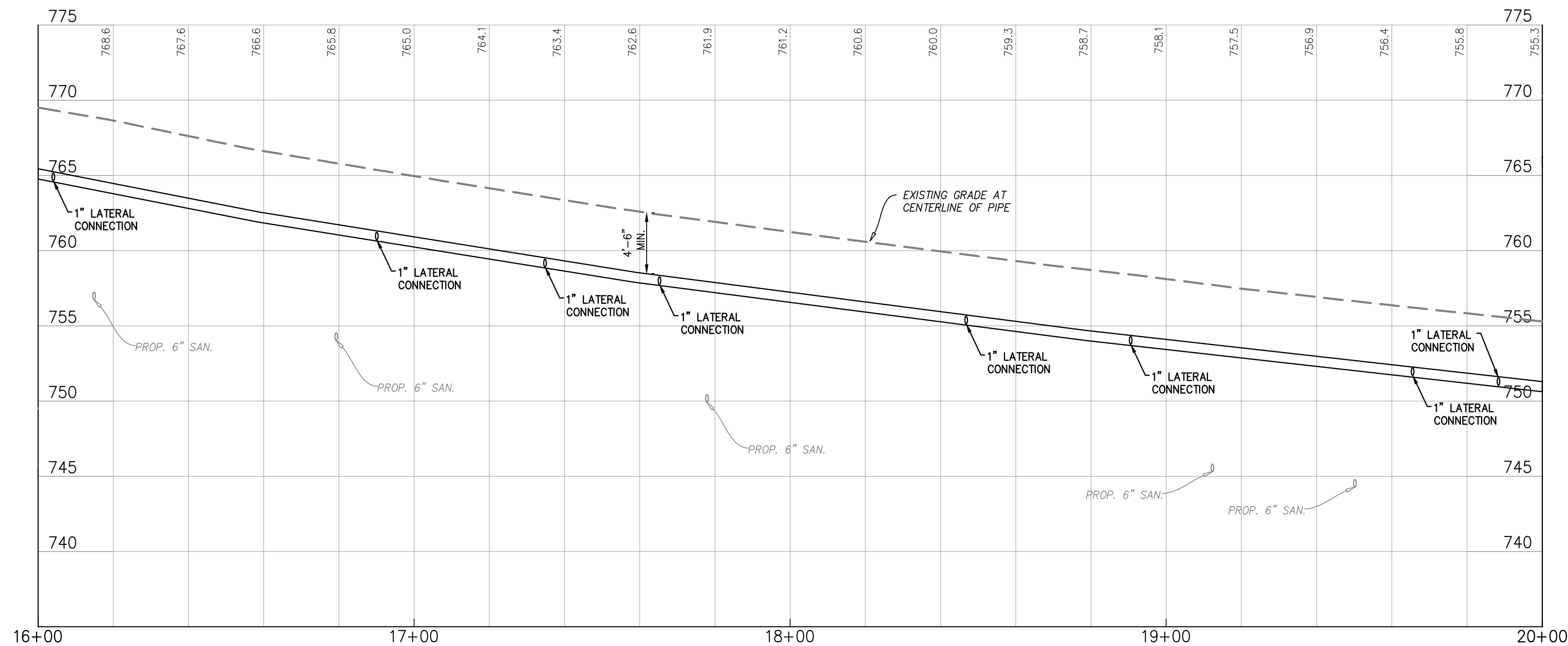
Water Line
Plan & Profile

W-5
SHEET 49 OF 62



- NOTES:**
1. WATER LINE SHALL BE INSTALLED VIA OPEN TRENCH CONSTRUCTION UNLESS STATED OTHERWISE (TYP.).
 2. STATION/OFFSET BASED ON WATERLINE ALIGNMENT (TYP.).

S.R. 303 - MAIN STREET (66' R/W)



WATER LINE PROFILE

W/L ALIGNMENT



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Peninsula Environmental Sustainability	
Project # Q-208	
In The Village of Peninsula	

MARK	DATE	DESCRIPTION	BY

PROJECT NO: Q-208
DWG FILE:
DRAWN BY: EJO
DATE: JUNE 2025
DESIGNED BY: EJO/NTB
CHECKED BY: NTB/JPC
APPROVED BY: SEE

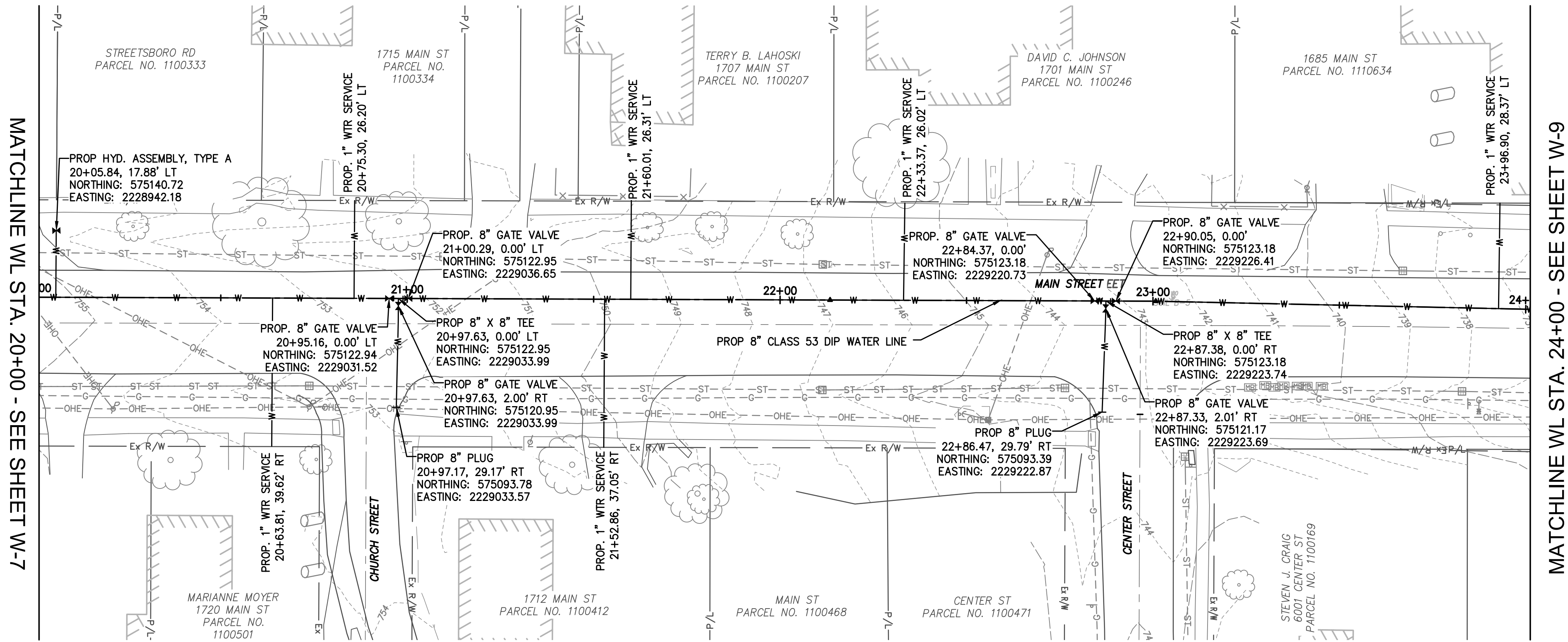
SHEET TITLE

Water Line
Plan & Profile

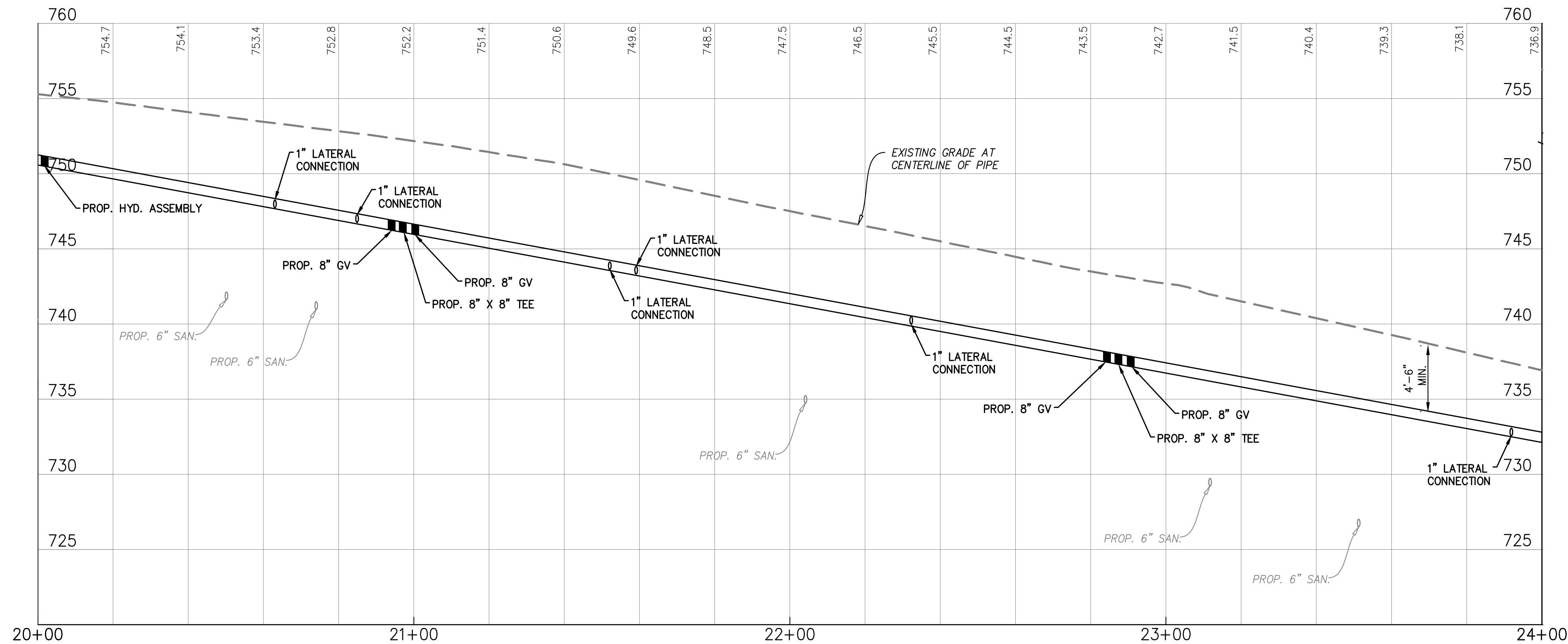
W-7

SHEET 51 OF 62

100 % SUBMITTAL

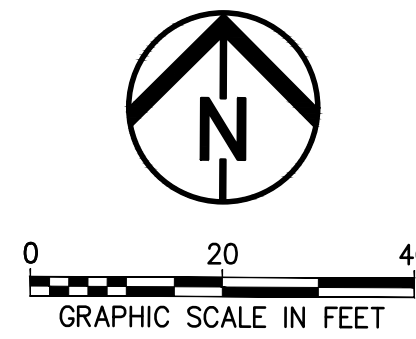


S.R. 303 - MAIN STREET (66' R/W)



WATER LINE PROFILE

W/L ALIGNMENT



- NOTES:**
1. WATER LINE SHALL BE INSTALLED VIA OPEN TRENCH CONSTRUCTION UNLESS STATED OTHERWISE (TYP.).
 2. STATION/OFFSET BASED ON WATERLINE ALIGNMENT (TYP.).



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

184 S MAIN STREET
AKRON, OHIO 44308
B&N
burgessniple.com

Peninsula Environmental Sustainability	
Project # Q-208	
In The Village of Peninsula	

MARK	DATE	DESCRIPTION	BY

PROJECT NO: Q-208
DWG FILE:
DRAWN BY: EJO
DATE: JUNE 2025
DESIGNED BY: EJO/NTR
CHECKED BY: NTR/JPC
APPROVED BY: SEE

SHEET TITLE

Water Line
Plan & Profile

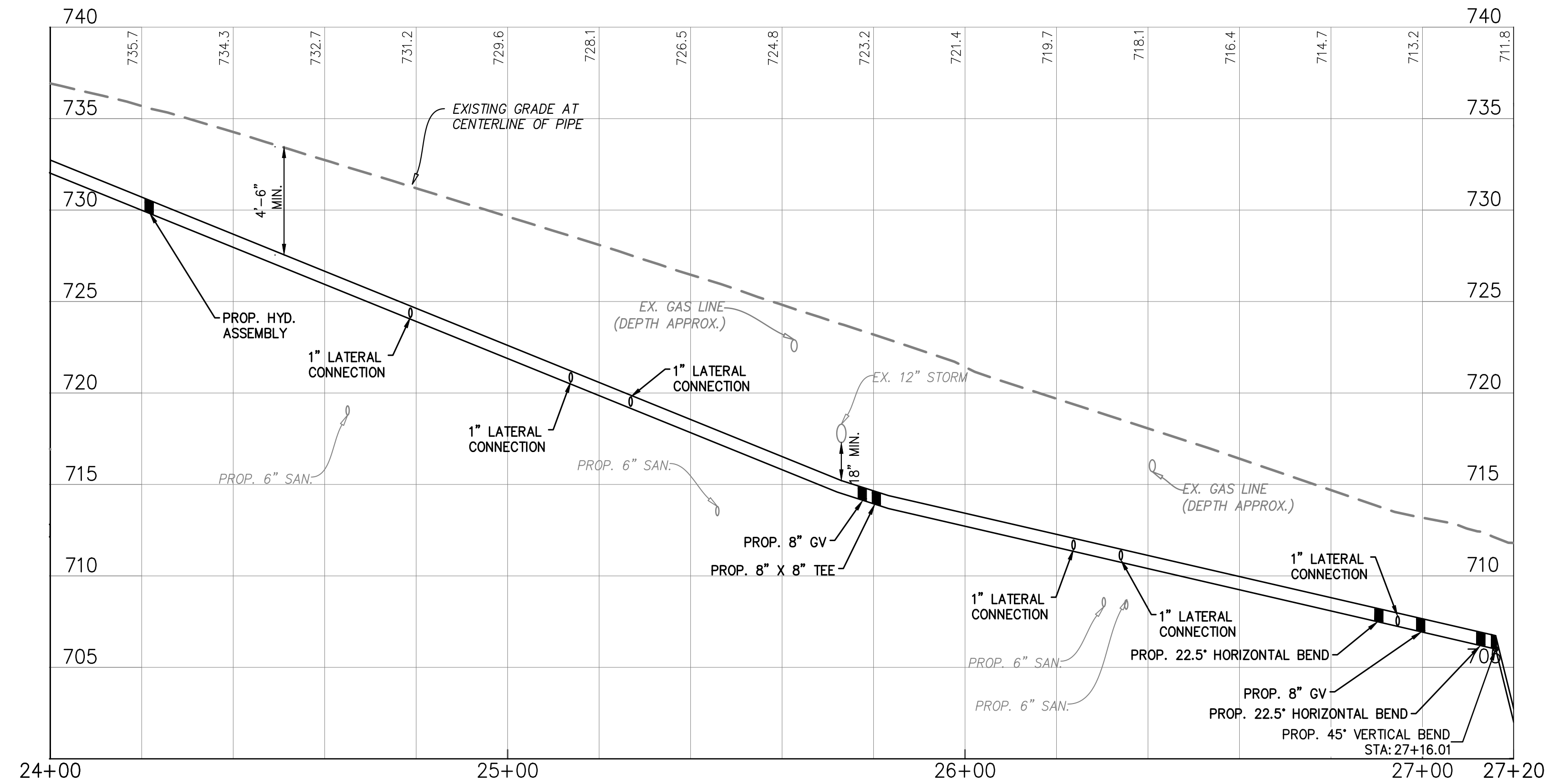
W-8

SHEET 52 OF 62

MATCHLINE WL STA. 24+00 - SEE SHEET W-8

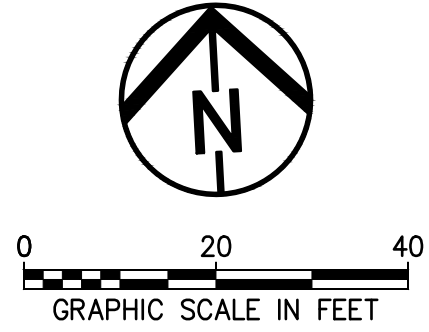


S.R. 303 - MAIN STREET (66' R/W)



WATER LINE PROFILE

WL ALIGNMENT



NOTES:

1. WATER LINE SHALL BE INSTALLED VIA OPEN TRENCH CONSTRUCTION UNLESS STATED OTHERWISE (TYP.).
2. STATION/OFFSET BASED ON WATERLINE ALIGNMENT (TYP.).



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Peninsula Environmental Sustainability

Project # Q-208

In The Village of Peninsula

MARK	DATE	DESCRIPTION	BY

PROJECT NO: Q-208
DWG FILE:
DRAWN BY: EJO
DATE: JUNE 2025
DESIGNED BY: EJO/NTB
CHECKED BY: NTB/JPC
APPROVED BY: SEE

SHEET TITLE

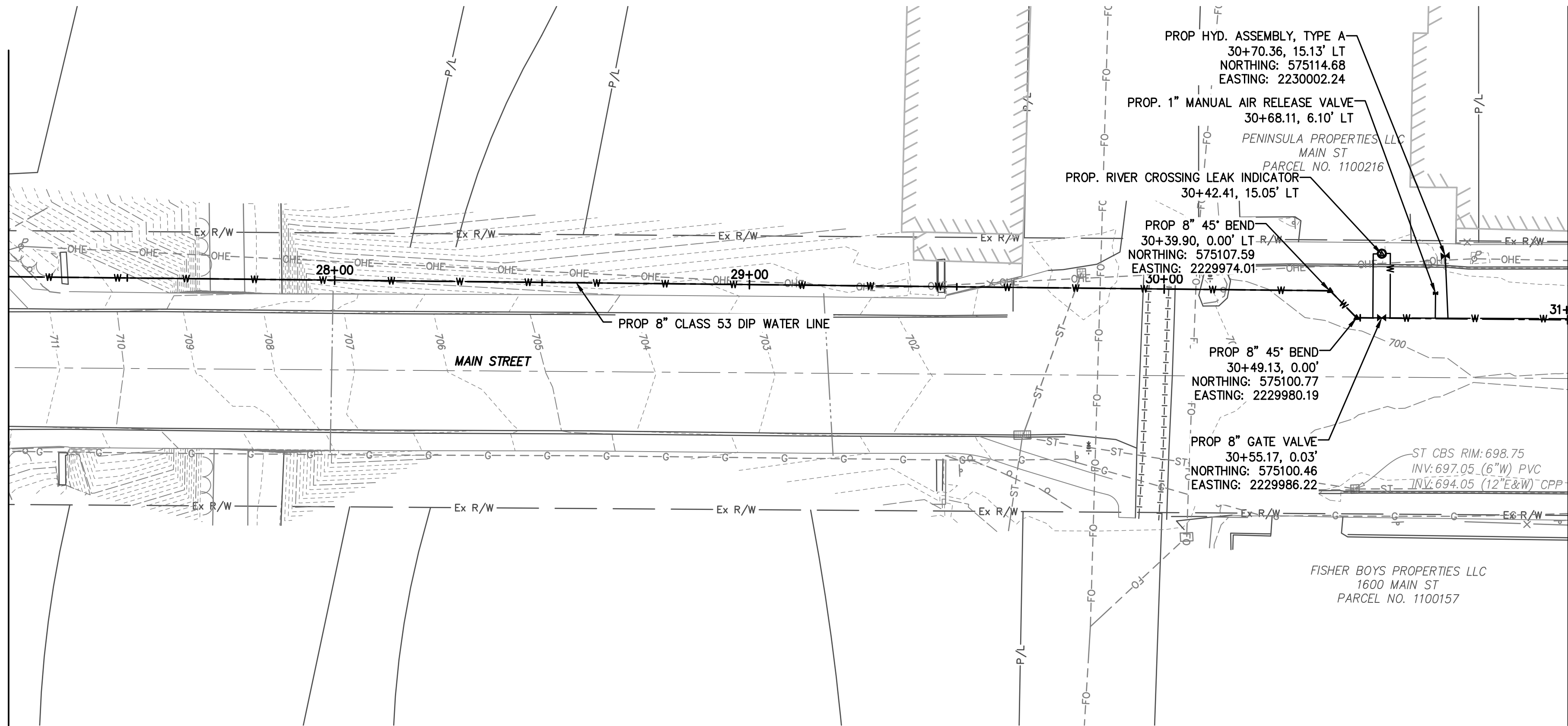
Water Line
Plan & Profile

W-9

SHEET 53 OF 62

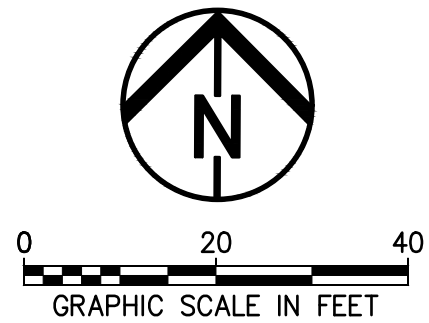
**Environmental
Design Group**
AKRON / CLEVELAND / COLUMBUS
PO 450 GRANT ST., AKRON, OH 44301
P 330.375.1590 / TP 800.855.1590
W ENVDESIGNGROUP.COM

MATCHLINE WL STA. 27+20 - SEE SHEET W-9



CUYAHOGA RIVER CROSSING

MATCHLINE WL STA. 31+00 - SEE SHEET W-11



- NOTES:
1. WATER LINE SHALL BE INSTALLED VIA OPEN TRENCH CONSTRUCTION UNLESS STATED OTHERWISE (TYP.).
 2. STATION/OFFSET BASED ON WATERLINE ALIGNMENT (TYP.).



WATER LINE PROFILE
WL ALIGNMENT



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Peninsula Environmental Sustainability			
Project # Q-208		In The Village of Peninsula	

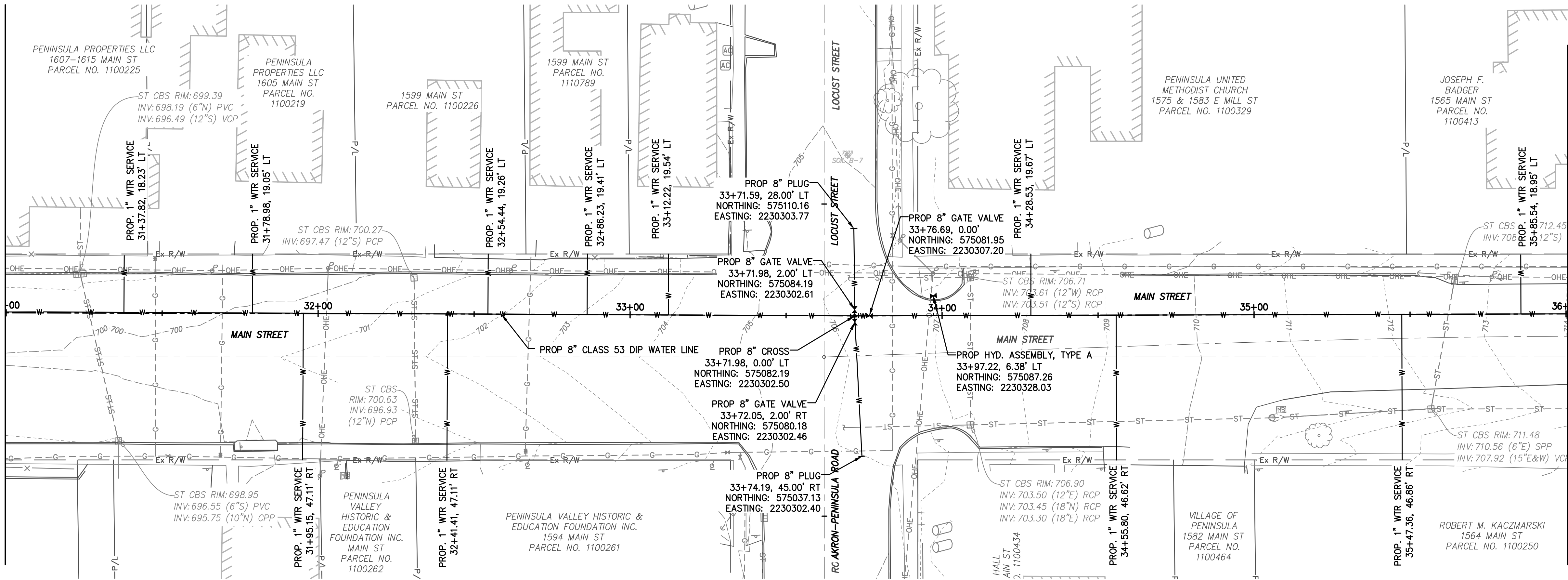
MARK	DATE	DESCRIPTION	BY

PROJECT NO: Q-208
DWG FILE:
DRAWN BY: EJO
DATE: JUNE 2025
DESIGNED BY: EJO/NTB
CHECKED BY: NTB/JPC
APPROVED BY: SEE

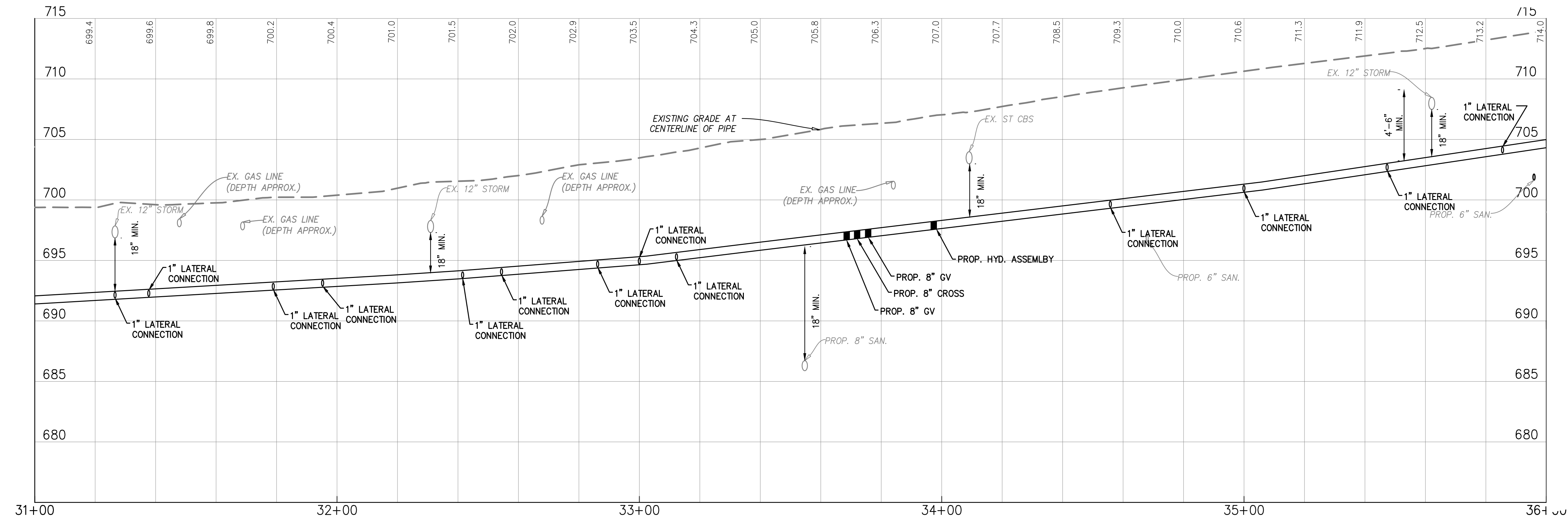
SHEET TITLE

Water Line
Plan & Profile

MATCHLINE WL STA. 31+00 - SEE SHEET W-10

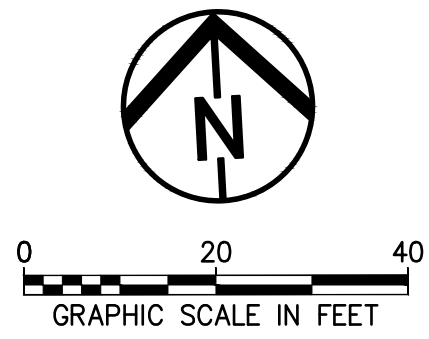


S.R. 303 - MAIN STREET (66' R/W)



WATER LINE PROFILE

W/L ALIGNMENT



NOTES:

1. WATER LINE SHALL BE INSTALLED VIA OPEN TRENCH CONSTRUCTION UNLESS STATED OTHERWISE (TYP.).
2. STATION/OFFSET BASED ON WATERLINE ALIGNMENT (TYP.).

MATCHLINE WL STA. 36+00 - SEE SHEET W-12



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308
B&N
burgessniple.com

Peninsula Environmental Sustainability
Project # Q-208
In The Village of Peninsula

MARK	DATE	DESCRIPTION	BY

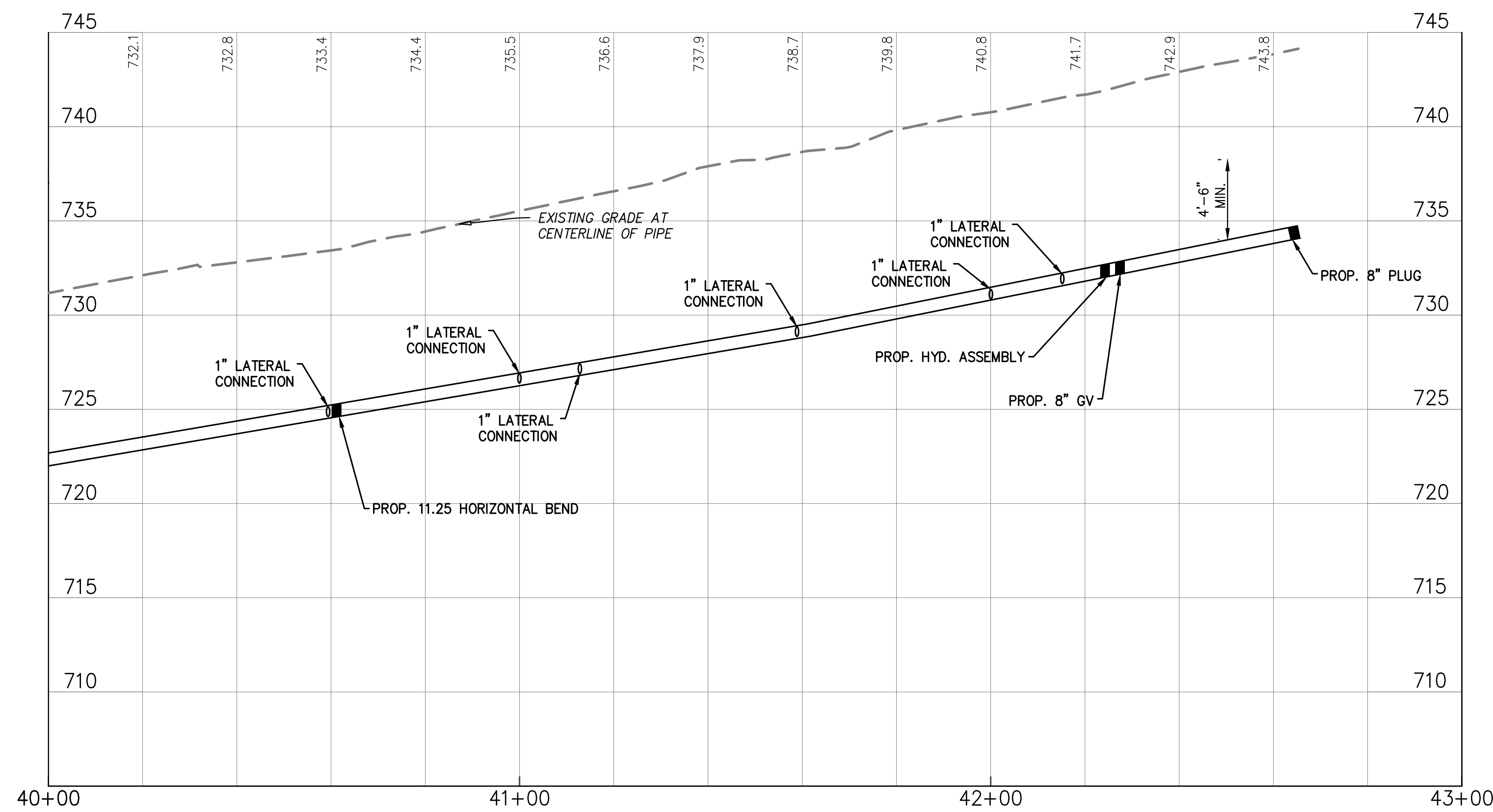
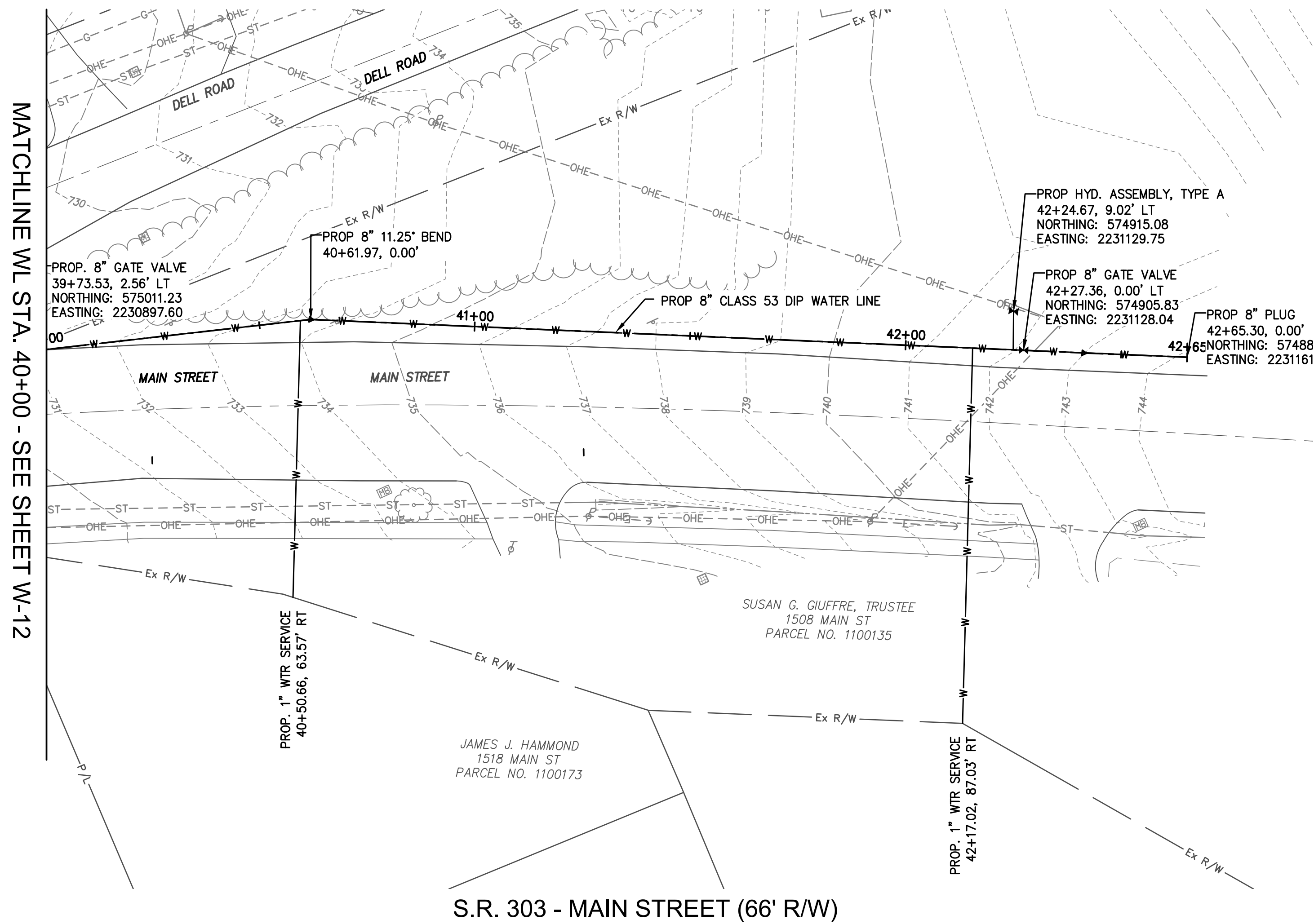
PROJECT NO: Q-208
DWG FILE:
DRAWN BY: EJO
DATE: JUNE 2025
DESIGNED BY: EJO/NTB
CHECKED BY: NTR/JPC
APPROVED BY: SEE

SHEET TITLE

Water Line
Plan & Profile

W-11

SHEET 55 OF 62

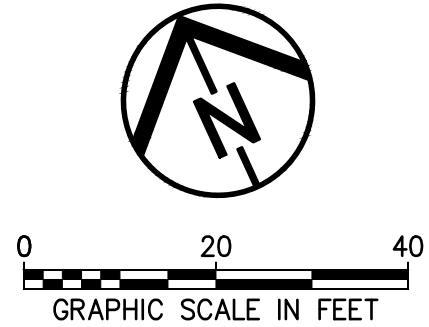


WATER LINE PROFILE

W/L ALIGNMENT

NOTES:

1. WATER LINE SHALL BE INSTALLED VIA OPEN TRENCH CONSTRUCTION UNLESS STATED OTHERWISE (TYP.).
2. STATION/OFFSET BASED ON WATERLINE ALIGNMENT (TYP.).



County of Summit
Department of Sanitary Sewer Services
1180 S Main Street, Suite 201
Akron, Ohio 44301
Phone: 330-926-2444
Fax: 330-926-2531

164 S MAIN STREET
AKRON, OHIO 44308

B&N
burgessniple.com

Peninsula Environmental Sustainability

Project # Q-208

In The Village of Peninsula

MARK	DATE	DESCRIPTION	BY

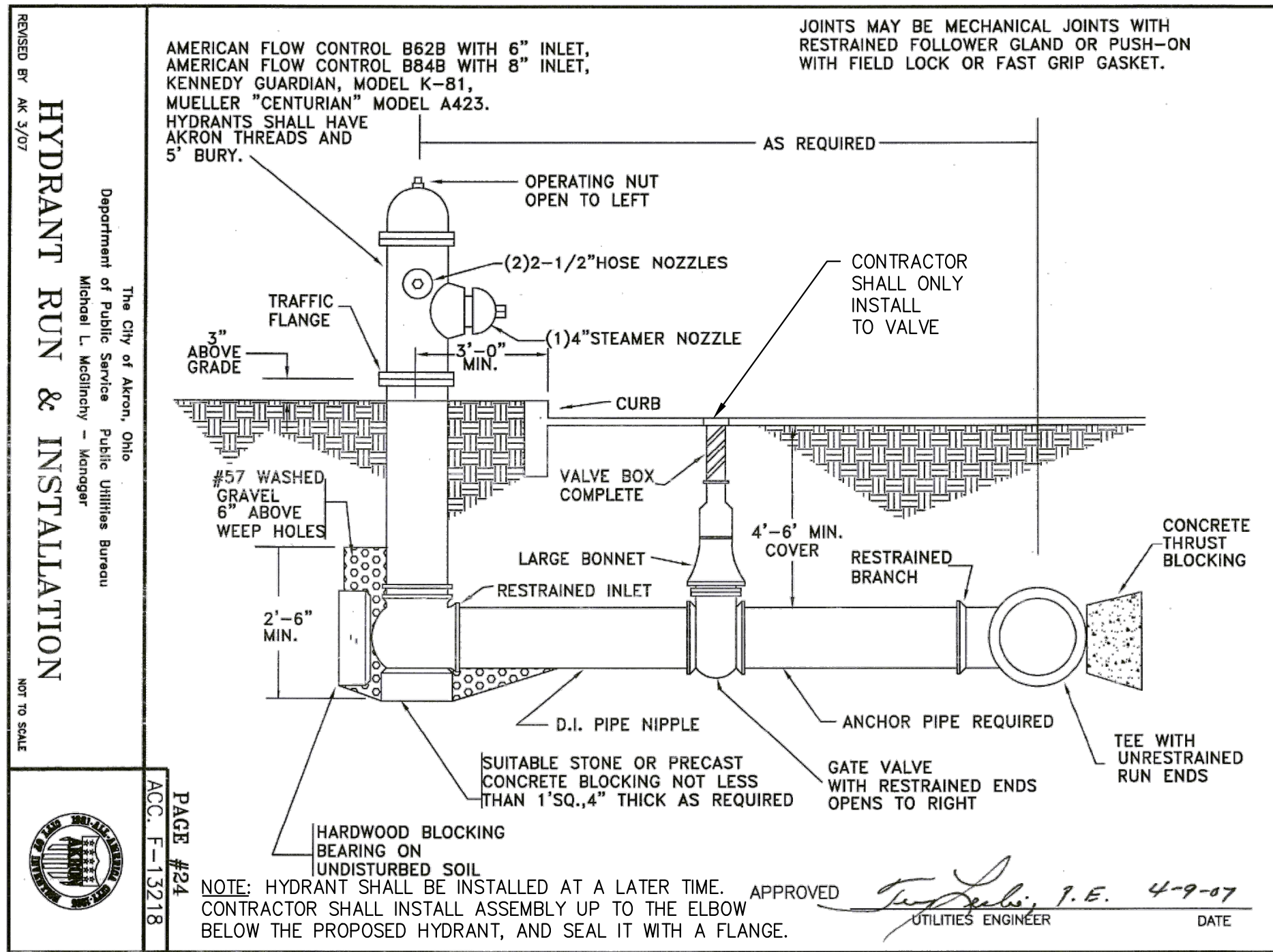
PROJECT NO:	Q-208
DWG FILE:	
DRAWN BY:	EJO
DATE:	JUNE 2025
DESIGNED BY:	EJO/NTB
CHECKED BY:	NTB/JPC
APPROVED BY:	SEE

SHEET TITLE

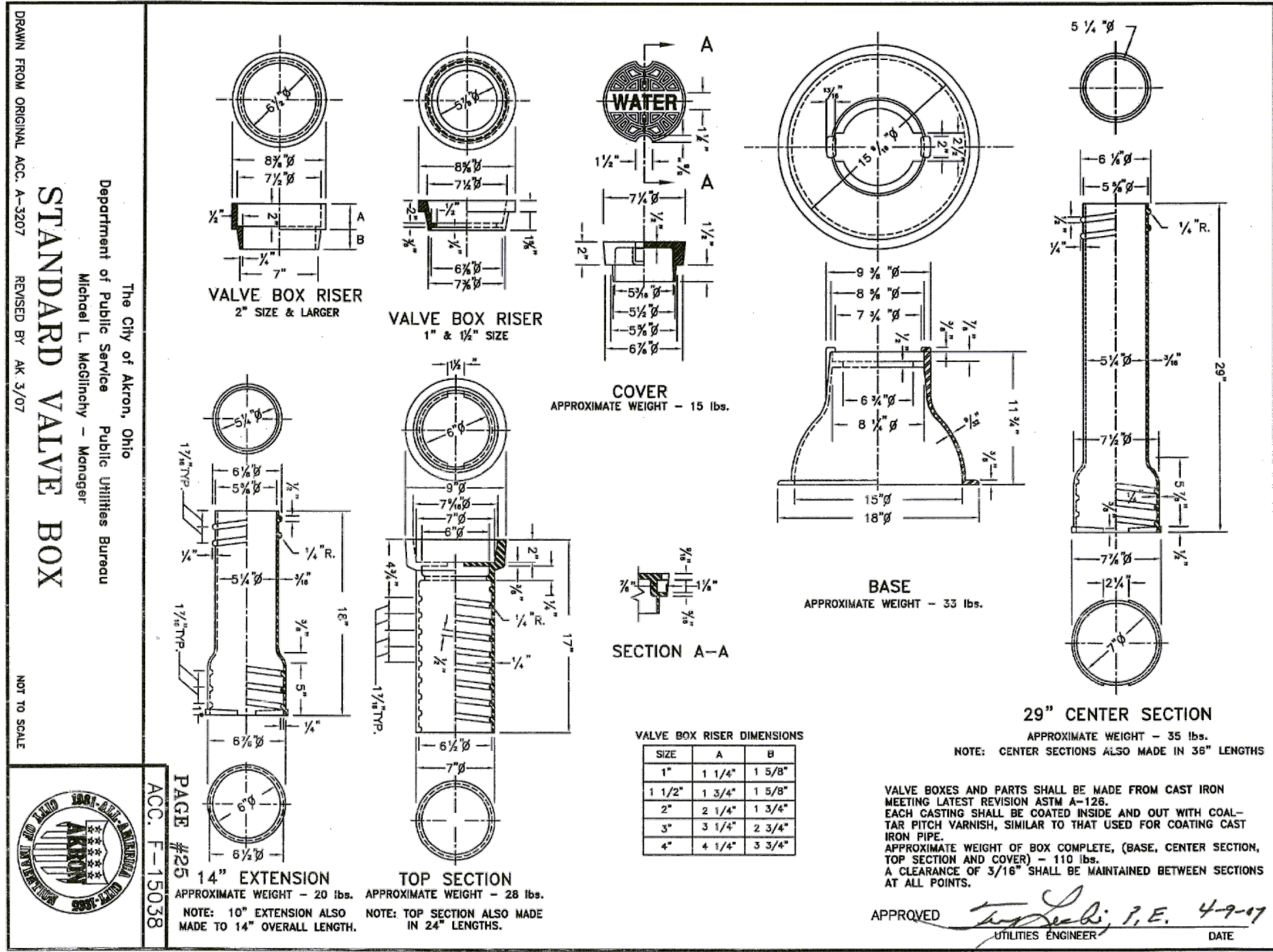
Water Line
Plan & Profile

W-13

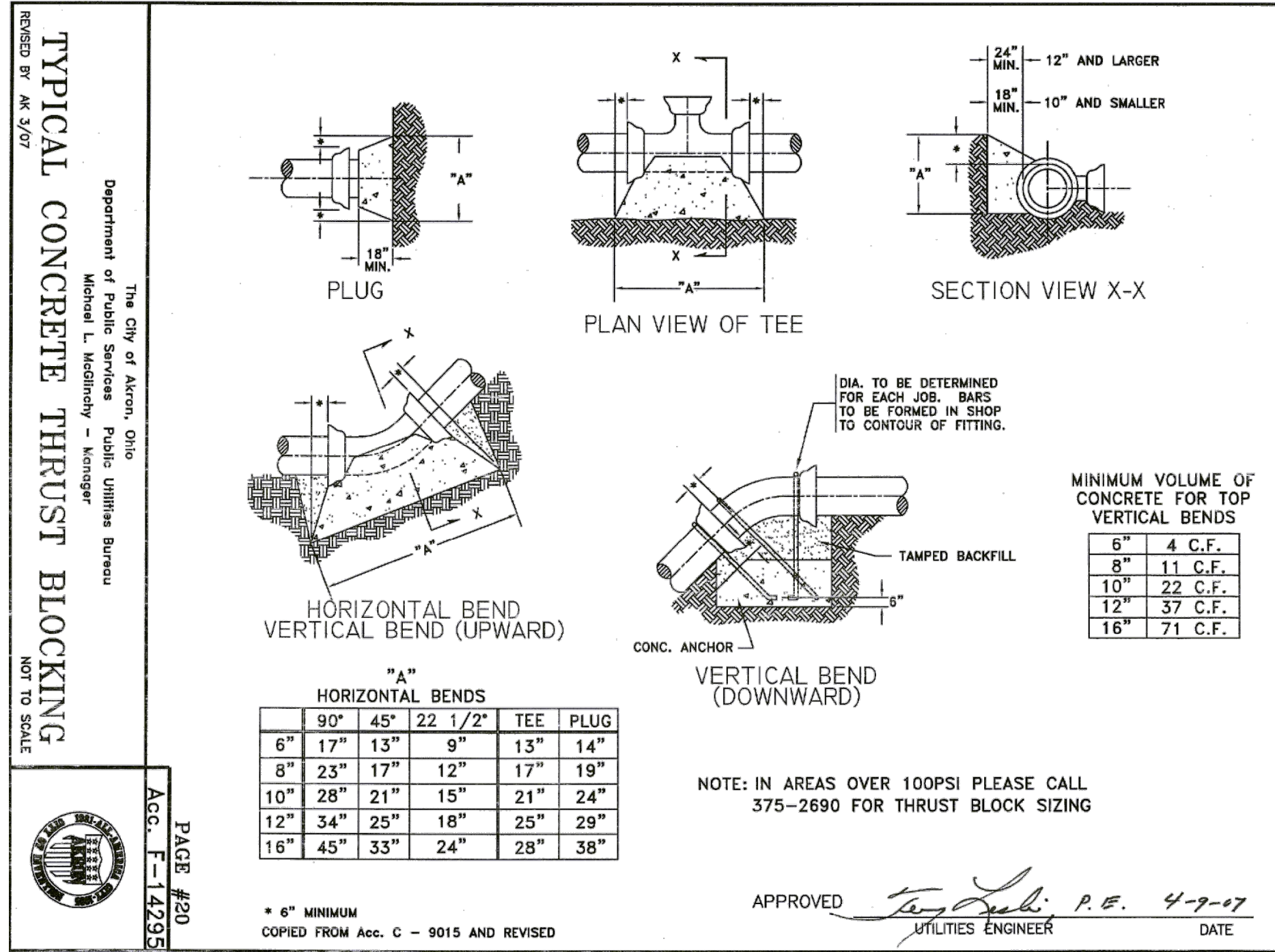
SHEET 57 OF 62



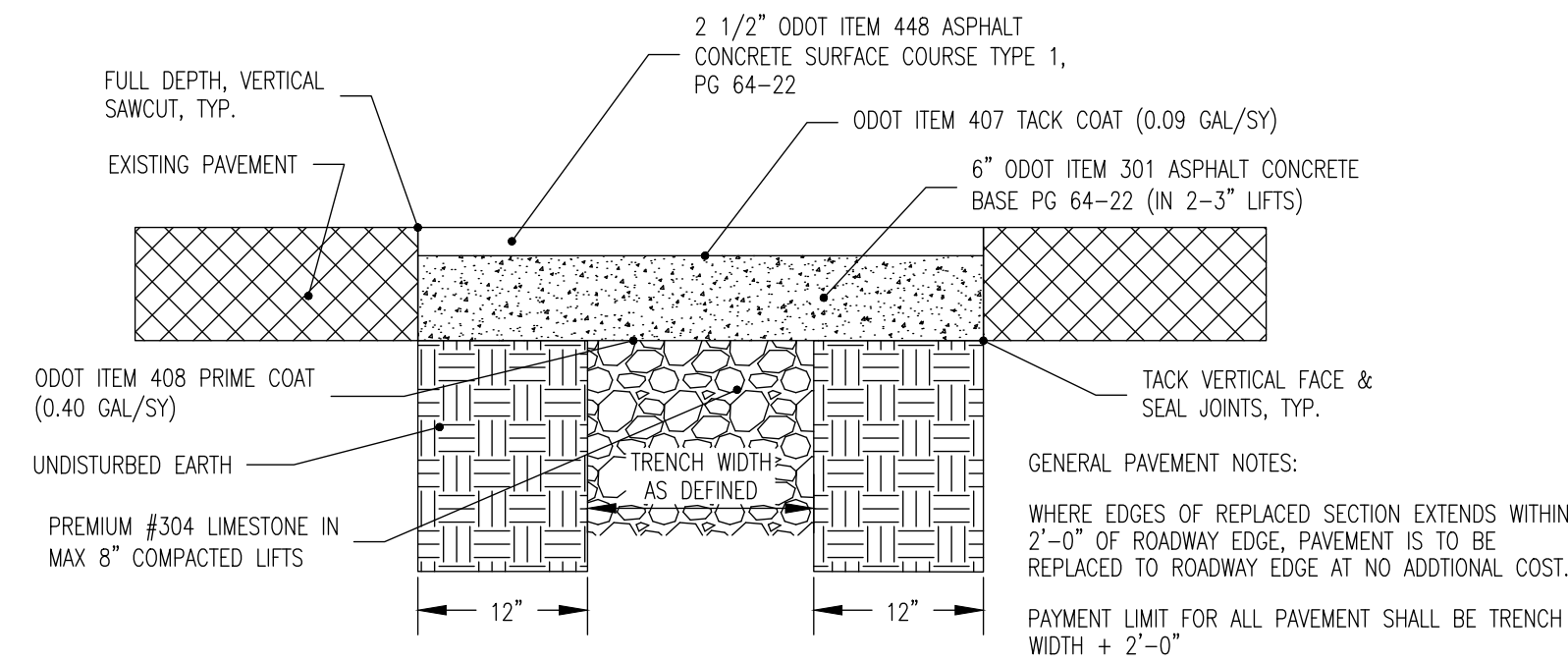
1 TYPE A HYDRANT RUN AND INSTALLATION
W-14 NOT TO SCALE



2 STANDARD VALVE BOX
W-14 NOT TO SCALE



3 TYPICAL CONCRETE THRUST BLOCKING
W-14 NOT TO SCALE



4 ASPHALT PAVEMENT REPLACEMENT
W-14 NOT TO SCALE

MARK	DATE	DESCRIPTION	BY

PROJECT NO: Q-208
DWG FILE:
DRAWN BY: EJO
DATE: JUNE 2025
DESIGNED BY: EJO/NTB
CHECKED BY: NTR/JPC
APPROVED BY: SEE

SHEET TITLE

Water Line Construction Details

W-14

SHEET 58 OF 62



