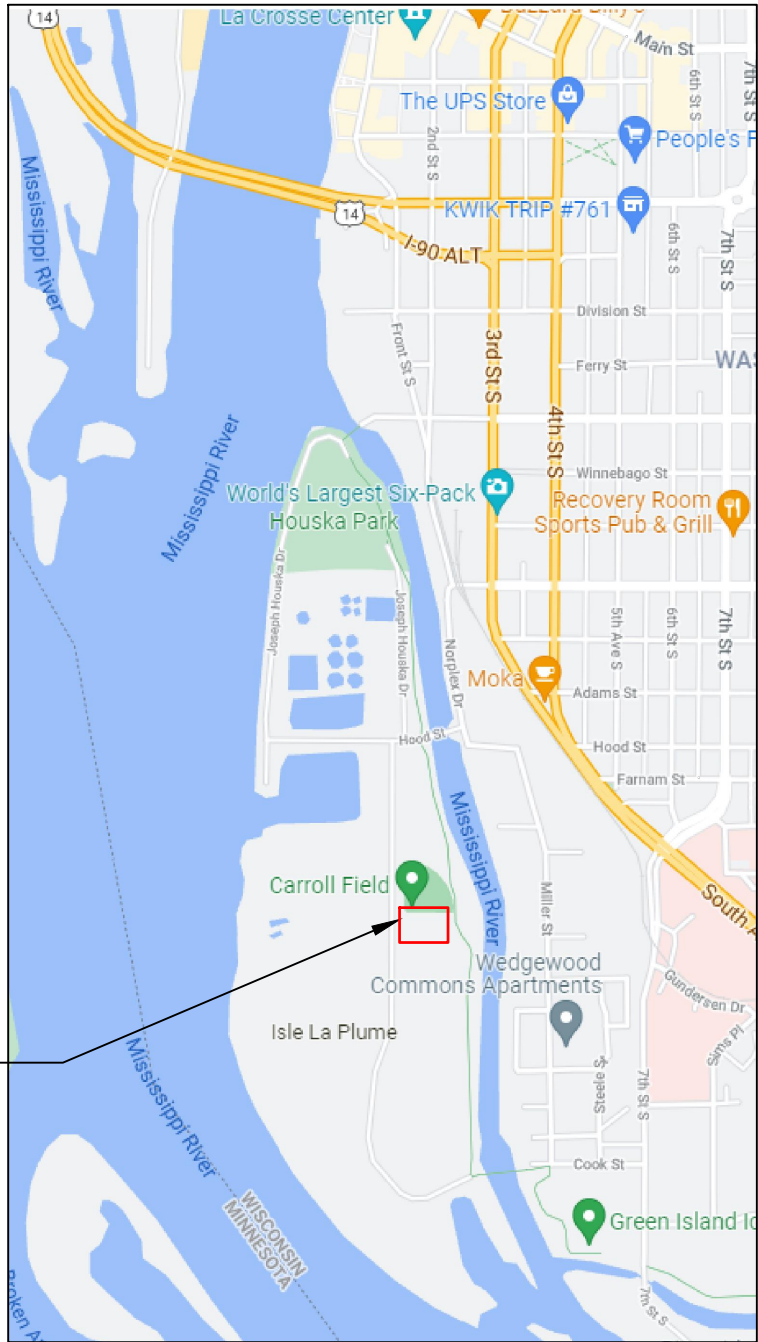


2022 CARROLL PARK IMPROVEMENTS
 PARKS, RECREATION & FORESTRY
 2/4/2022

LA CROSSE COUNTY
 CITY OF LA CROSSE



PROJECT LOCATION

VICINITY MAP
 (NOT TO SCALE)

SHEET	TITLE
1	COVER
2	PROJECT OVERVIEW
3	REMOVALS & EXISTING CONDITIONS
4	SITE PLAN
5	GRADING PLAN
6	SITE UTILITIES
7	SANITARY PLAN & PROFILE
8	EROSION CONTROL PLAN
9-10	EROSION CONTROL DETAILS
11	CONSTRUCTION DETAILS
12-24	CONCESSION BUILDING DETAILS



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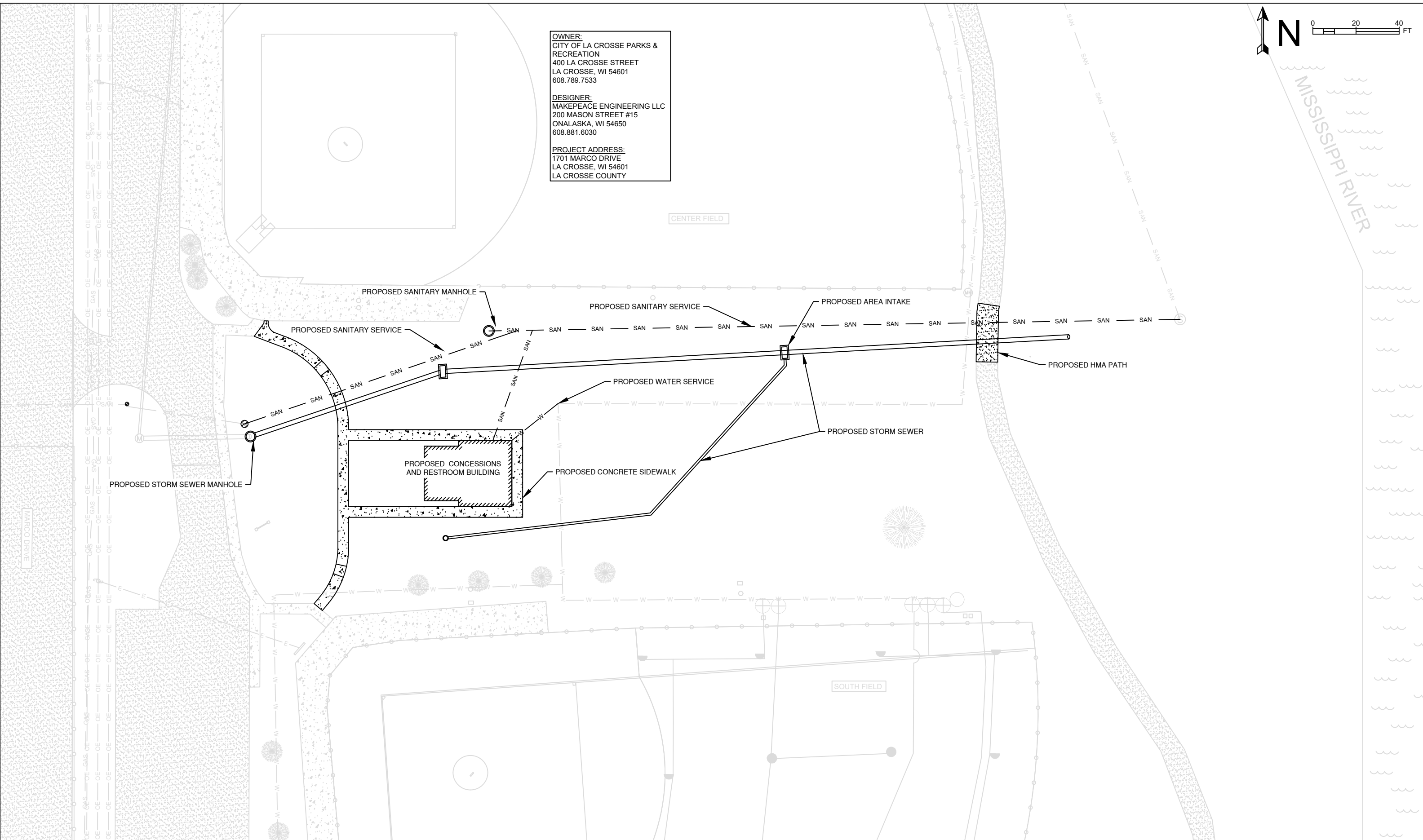
COVER

DATE	REVISION	DESCR.

OWNER:
CITY OF LA CROSSE PARKS &
RECREATION
400 LA CROSSE STREET
LA CROSSE, WI 54601
608.789.7533

DESIGNER:
MAKEPEACE ENGINEERING LLC
200 MASON STREET #15
ONALASKA, WI 54650
608.881.6030

PROJECT ADDRESS:
1701 MARCO DRIVE
LA CROSSE, WI 54601
LA CROSSE COUNTY



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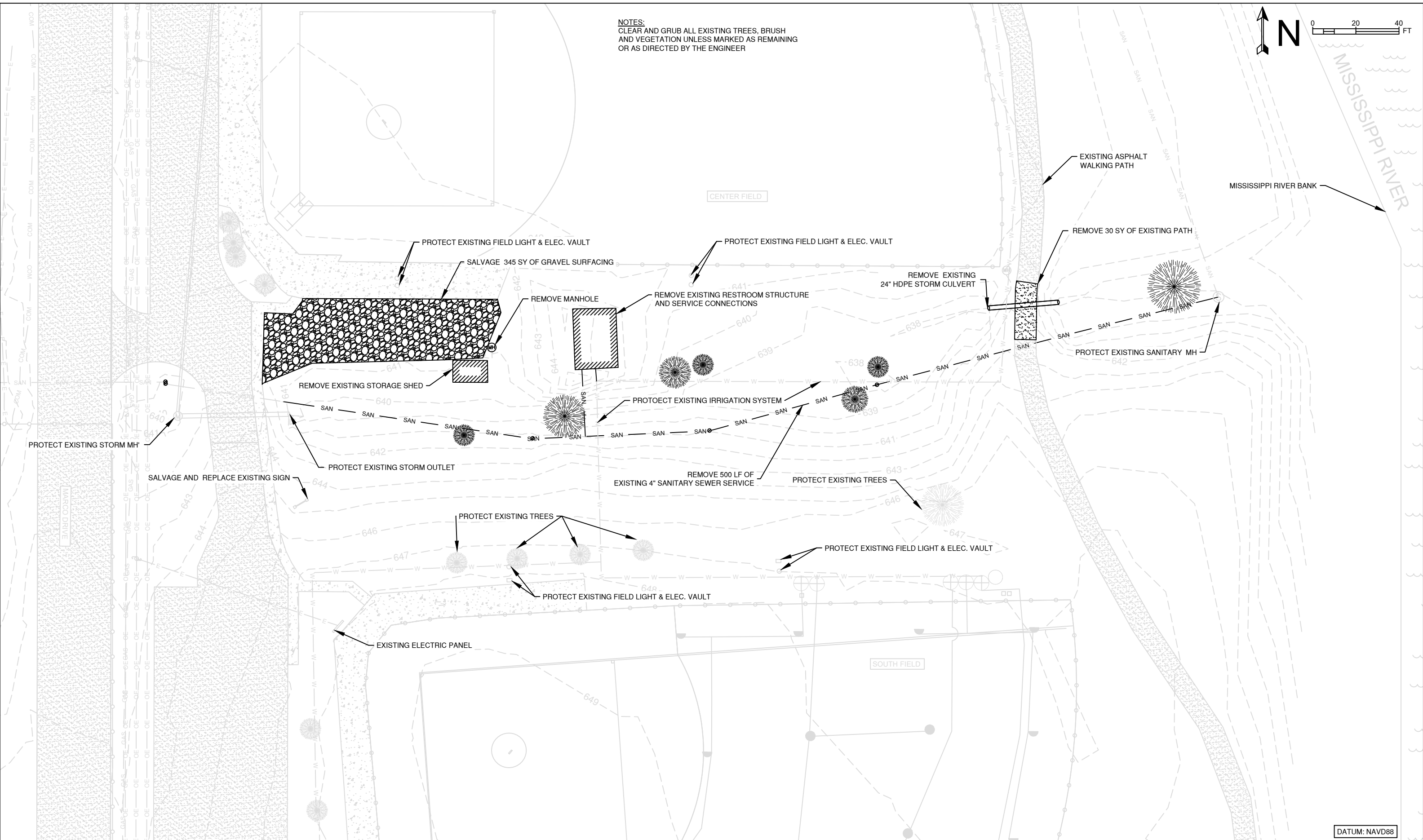
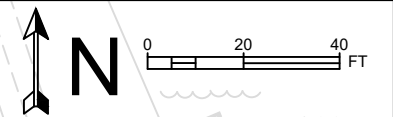
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PROJECT OVERVIEW

DATE	REVISION	DESCR.	2

NOTES:
 CLEAR AND GRUB ALL EXISTING TREES, BRUSH
 AND VEGETATION UNLESS MARKED AS REMAINING
 OR AS DIRECTED BY THE ENGINEER



DATUM: NAVD88



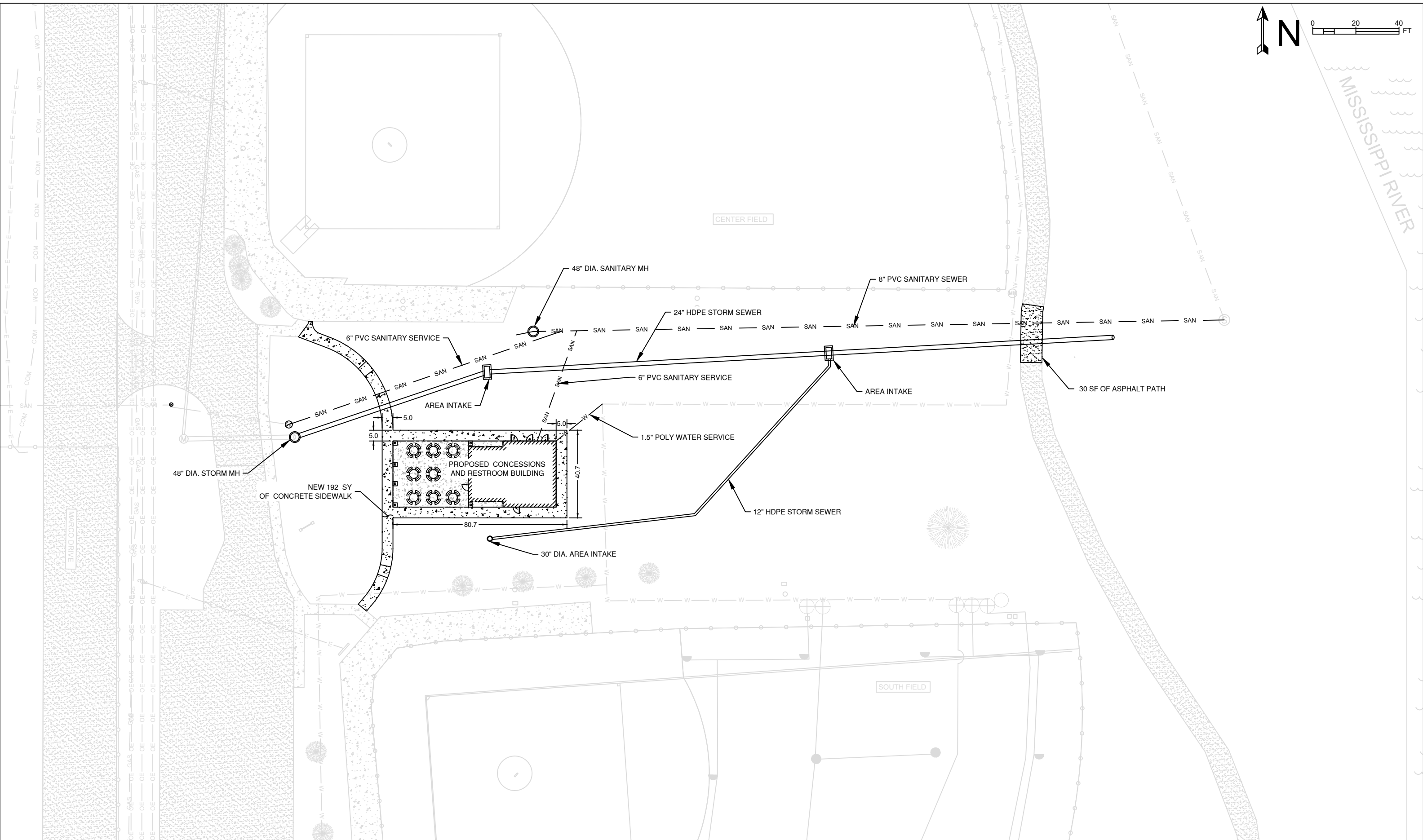
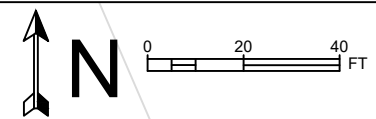
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REMOVALS & EXISTING CONDITIONS

DATE	REVISION	DESCR.	3



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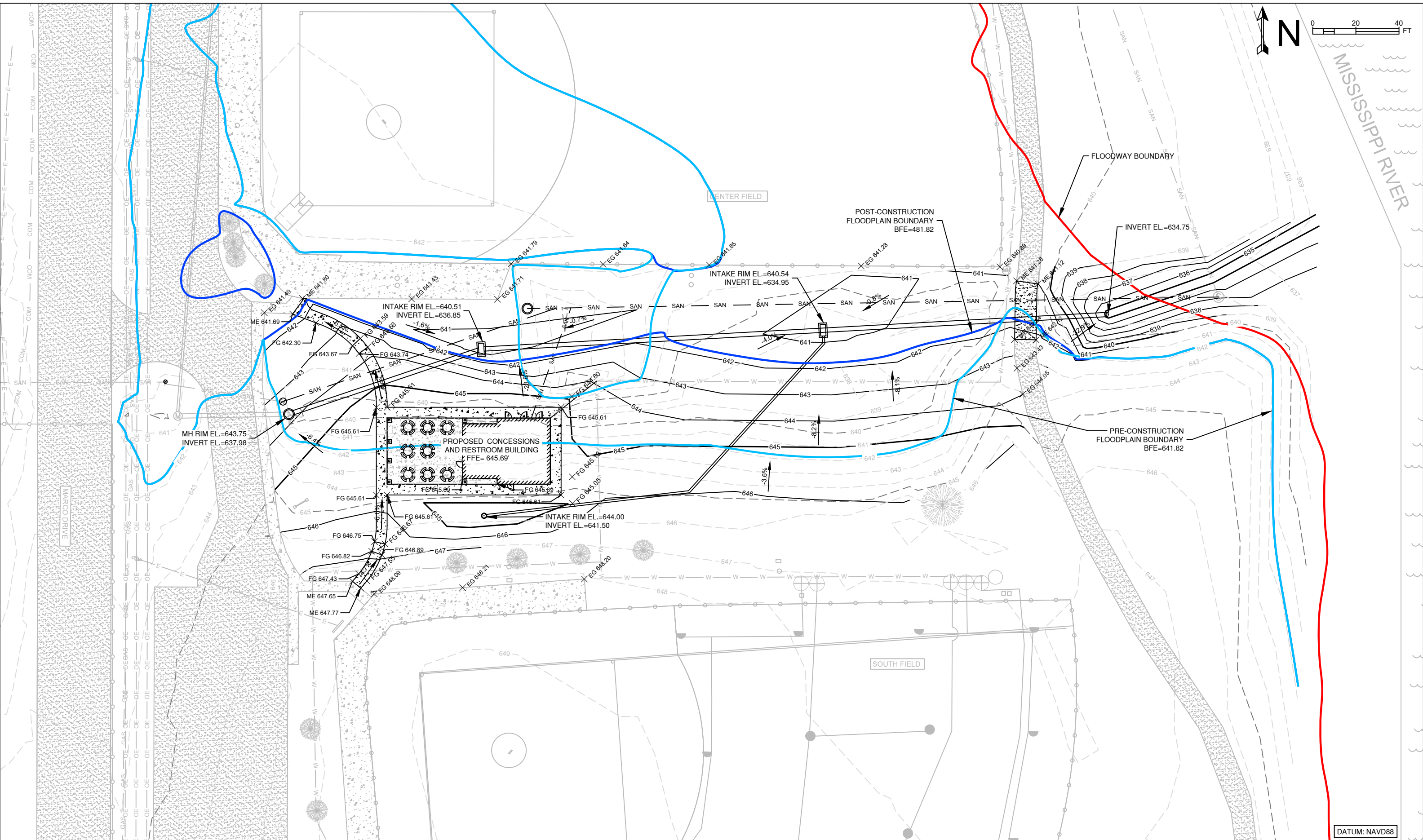
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CITY OF LA CROSSE, WI 54601

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SITE PLAN

DATE	REVISION	DESCR.

4
24



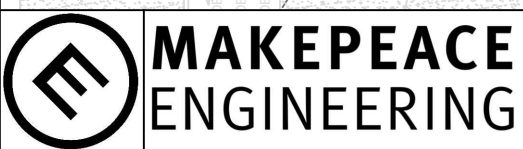
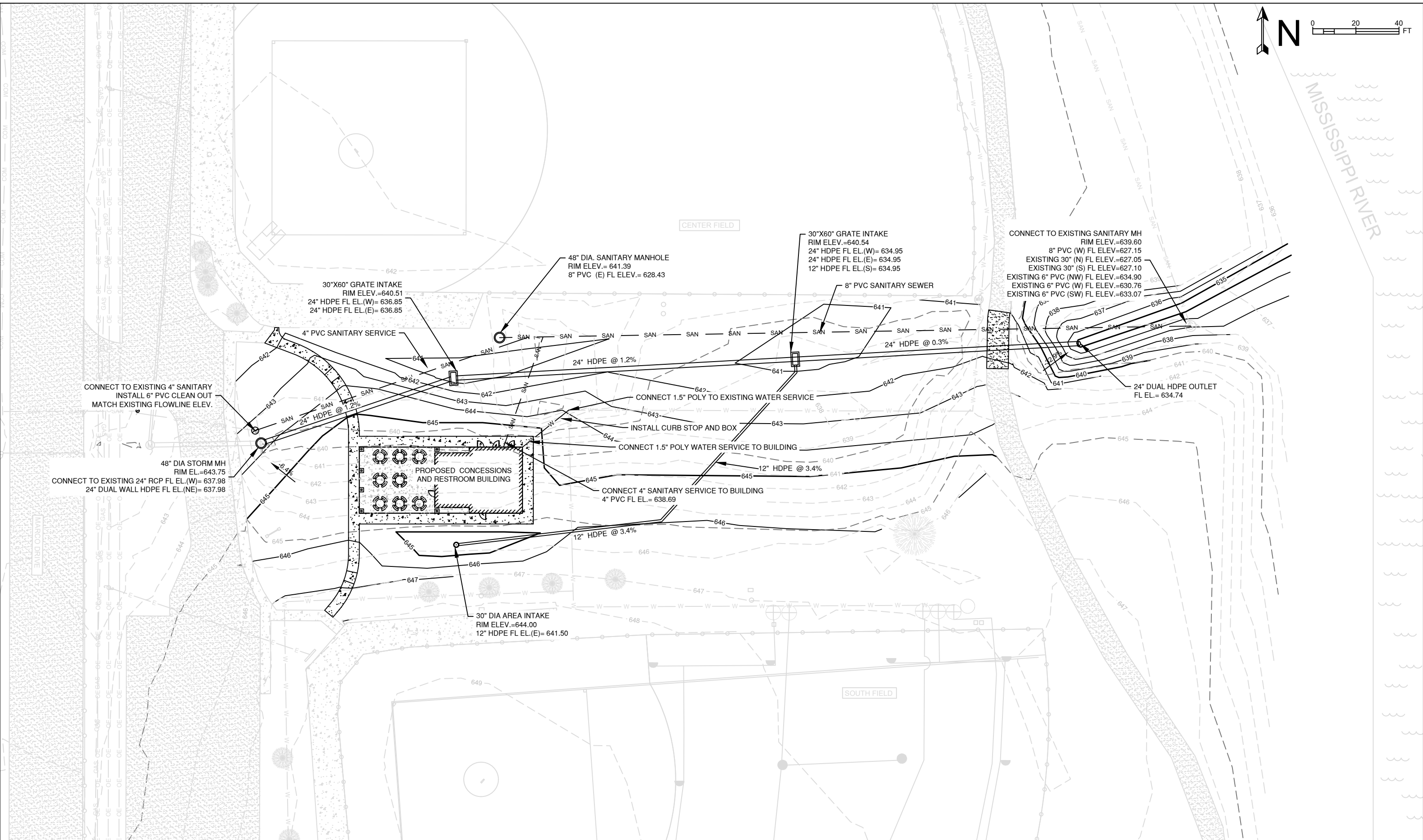
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GRADING PLAN

DATE	REVISION	DESCR.	5



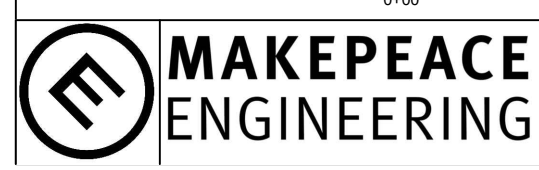
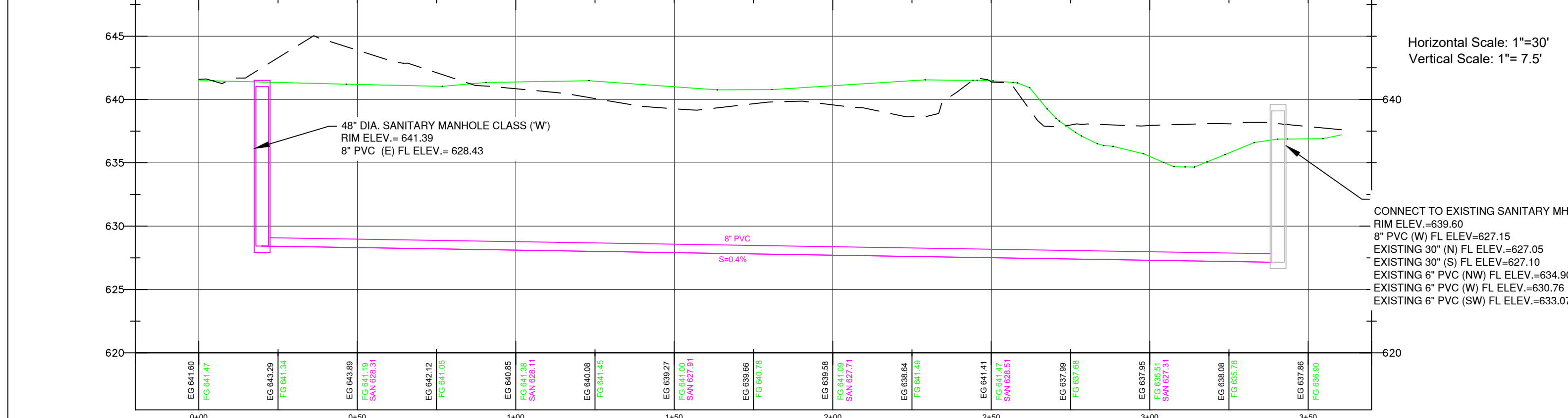
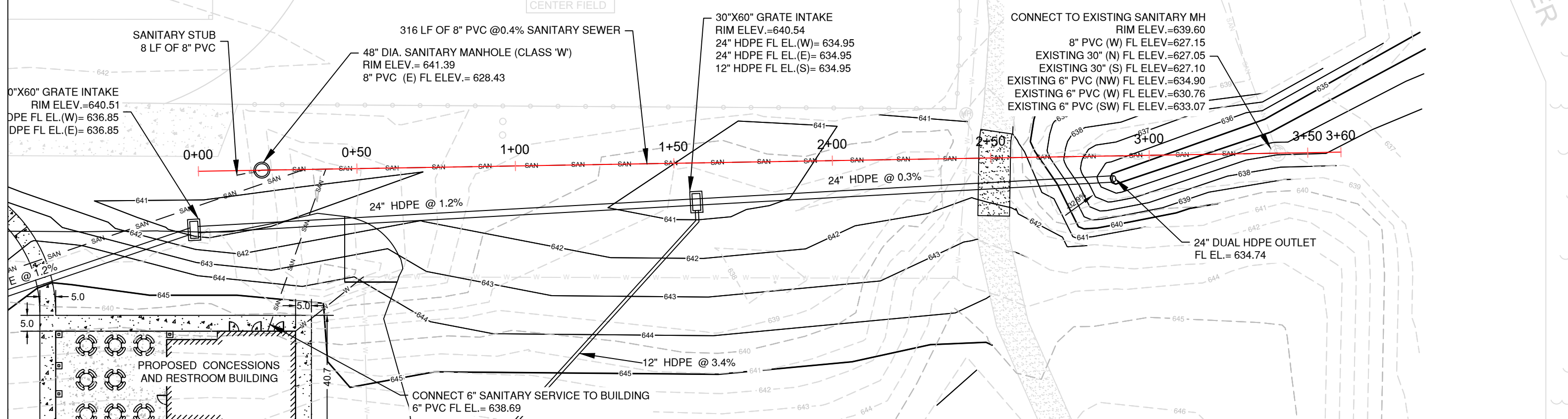
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SITE UTILITIES

DATE	REVISION	DESCR.



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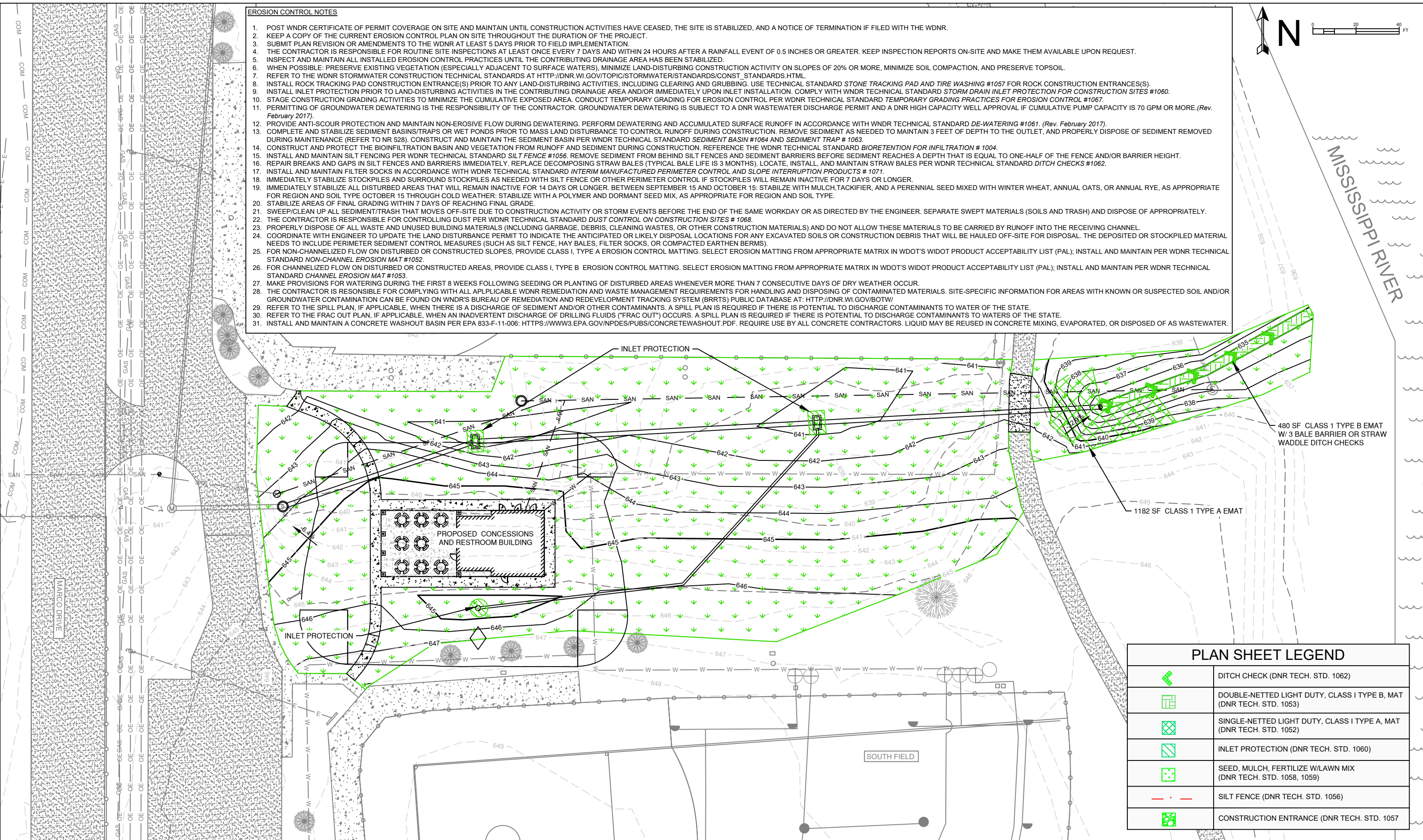
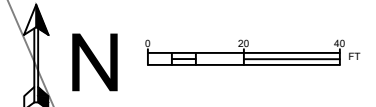
2/4/2022

SANITARY SEWER PLAN AND PROFILE

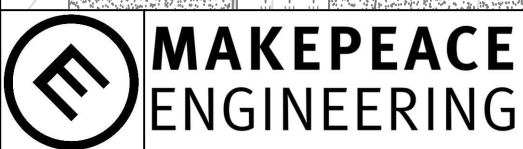
DATE	REVISION	DESCR.	7 24

EROSION CONTROL NOTES

1. POST WDNR CERTIFICATE OF PERMIT COVERAGE ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED, THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IF FILED WITH THE WDNR.
2. KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
3. SUBMIT PLAN REVISION OR AMENDMENTS TO THE WDNR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.
4. THE CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.
5. INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
6. WHEN POSSIBLE: PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.
7. REFER TO THE WDNR STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT [HTTP://DNR.WI.GOV/TOPIC/STORMWATER/STANDARDS/CONST_STANDARDS.HTML](http://dnr.wi.gov/topic/stormwater/standards/const_standards.html).
8. INSTALL ROCK TRACKING PAD CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE TECHNICAL STANDARD *STONE TRACKING PAD AND TIRE WASHING #1057* FOR ROCK CONSTRUCTION ENTRANCES(S).
9. INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY UPON INLET INSTALLATION. COMPLY WITH WDNR TECHNICAL STANDARD *STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060*.
10. STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMULATIVE EXPOSED AREA. CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD *TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067*.
11. PERMITTING OF GROUNDWATER DEWATERING IS THE RESPONSIBILITY OF THE CONTRACTOR. GROUNDWATER DEWATERING IS SUBJECT TO A DNR WASTEWATER DISCHARGE PERMIT AND A DNR HIGH CAPACITY WELL APPROVAL IF CUMULATIVE PUMP CAPACITY IS 70 GPM OR MORE. (Rev. February 2017).
12. PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. PERFORM DEWATERING AND ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD *DE-WATERING #1061*. (Rev. February 2017).
13. COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS OR WET PONDS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE (REFER TO NR 528). CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WDNR TECHNICAL STANDARD *SEDIMENT BASIN #1064* AND *SEDIMENT TRAP # 1063*.
14. CONSTRUCT AND PROTECT THE BIOINFILTRATION BASIN AND VEGETATION FROM RUNOFF AND SEDIMENT DURING CONSTRUCTION. REFERENCE THE WDNR TECHNICAL STANDARD *BIORETENTION FOR INFILTRATION # 1004*.
15. INSTALL AND MAINTAIN SILT FENCING PER WDNR TECHNICAL STANDARD *SILT FENCE #1056*. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT.
16. REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER WDNR TECHNICAL STANDARD *DITCH CHECKS #1062*.
17. INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD *INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS # 1071*.
18. IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
19. IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILIZE WITH MULCH, TACKIFIER, AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS, OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE. OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
20. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
21. SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY THE ENGINEER. SEPARATE SWEEPED MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
22. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD *DUST CONTROL ON CONSTRUCTION SITES # 1068*.
23. PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
24. COORDINATE WITH ENGINEER TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS, OR COMPACTED EARTHEN BERMS).
25. FOR NON-CANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS I, TYPE A EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD *NON-CHANNEL EROSION MAT #1052*.
26. FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE CLASS I, TYPE B EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD *CHANNEL EROSION MAT #1053*.
27. MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
28. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDNR REMEDIATION AND WASTE MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE-SPECIFIC INFORMATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OR GROUNDWATER CONTAMINATION CAN BE FOUND ON WDNR'S BUREAU OF REMEDIATION AND REDEVELOPMENT TRACKING SYSTEM (BRRTS) PUBLIC DATABASE AT: [HTTP://DNR.WI.GOV/BOTW/](http://dnr.wi.gov/botw/)
29. REFER TO THE SPILL PLAN, IF APPLICABLE, WHEN THERE IS A DISCHARGE OF SEDIMENT AND/OR OTHER CONTAMINANTS. A SPILL PLAN IS REQUIRED IF THERE IS POTENTIAL TO DISCHARGE CONTAMINANTS TO WATER OF THE STATE.
30. REFER TO THE FRAC OUT PLAN, IF APPLICABLE, WHEN AN INADVERTENT DISCHARGE OF DRILLING FLUIDS ("FRAC OUT") OCCURS. A SPILL PLAN IS REQUIRED IF THERE IS POTENTIAL TO DISCHARGE CONTAMINANTS TO WATERS OF THE STATE.
31. INSTALL AND MAINTAIN A CONCRETE WASHOUT BASIN PER EPA 833-F-11-006: [HTTPS://WWW3.EPA.GOV/NPDES/PUBS/CONCRETEWASHOUT.PDF](https://www3.epa.gov/npdes/pubs/concretewashout.pdf). REQUIRE USE BY ALL CONCRETE CONTRACTORS. LIQUID MAY BE REUSED IN CONCRETE MIXING, EVAPORATED, OR DISPOSED OF AS WASTEWATER.



	DITCH CHECK (DNR TECH. STD. 1062)
	DOUBLE-NETTED LIGHT DUTY, CLASS I TYPE B, MAT (DNR TECH. STD. 1053)
	SINGLE-NETTED LIGHT DUTY, CLASS I TYPE A, MAT (DNR TECH. STD. 1052)
	INLET PROTECTION (DNR TECH. STD. 1060)
	SEED, MULCH, FERTILIZE W/LAWN MIX (DNR TECH. STD. 1058, 1059)
	SILT FENCE (DNR TECH. STD. 1056)
	CONSTRUCTION ENTRANCE (DNR TECH. STD. 1057)



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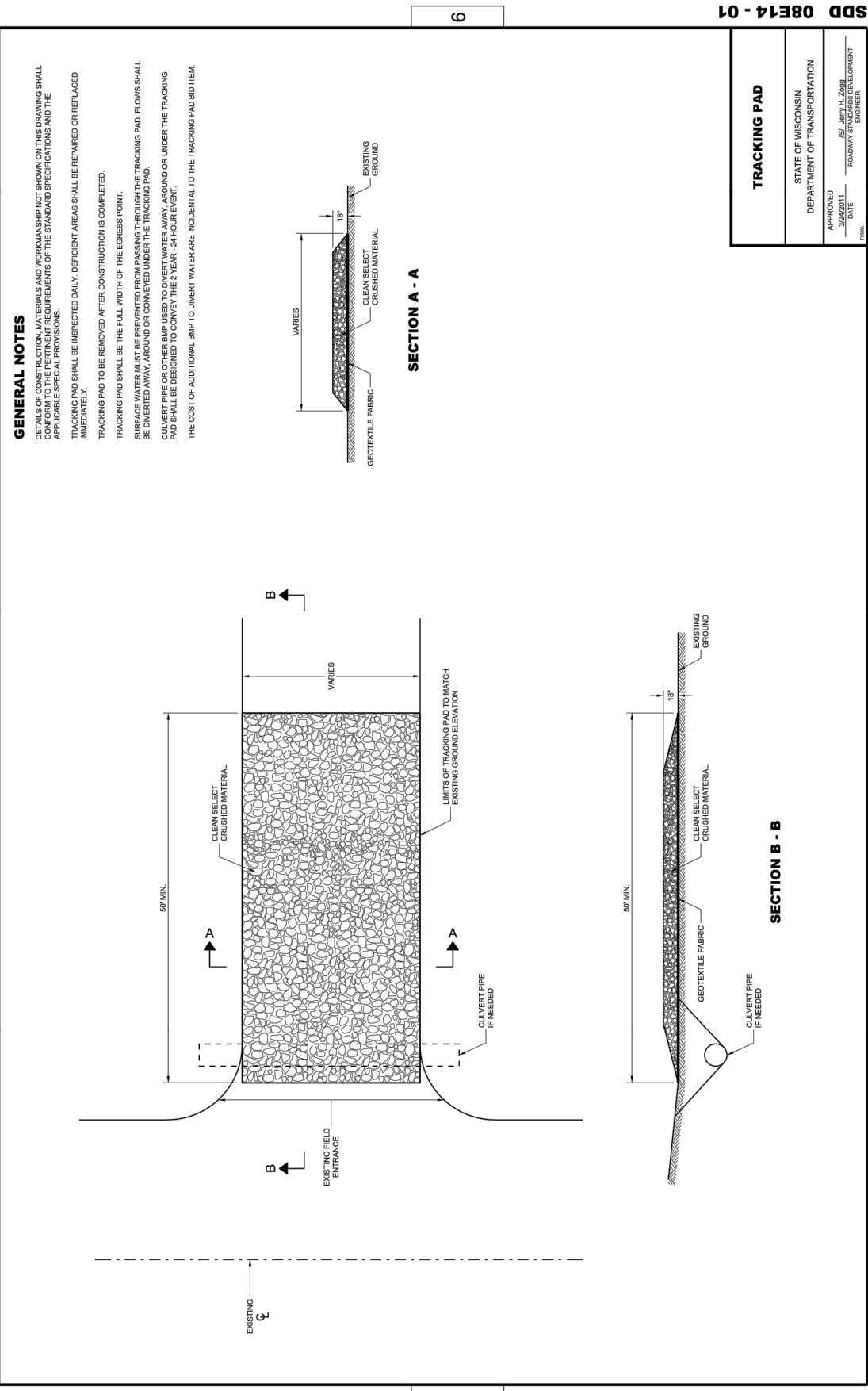
2/4/2022

EROSION CONTROL PLAN

DATE	REVISION	DESCR.	8

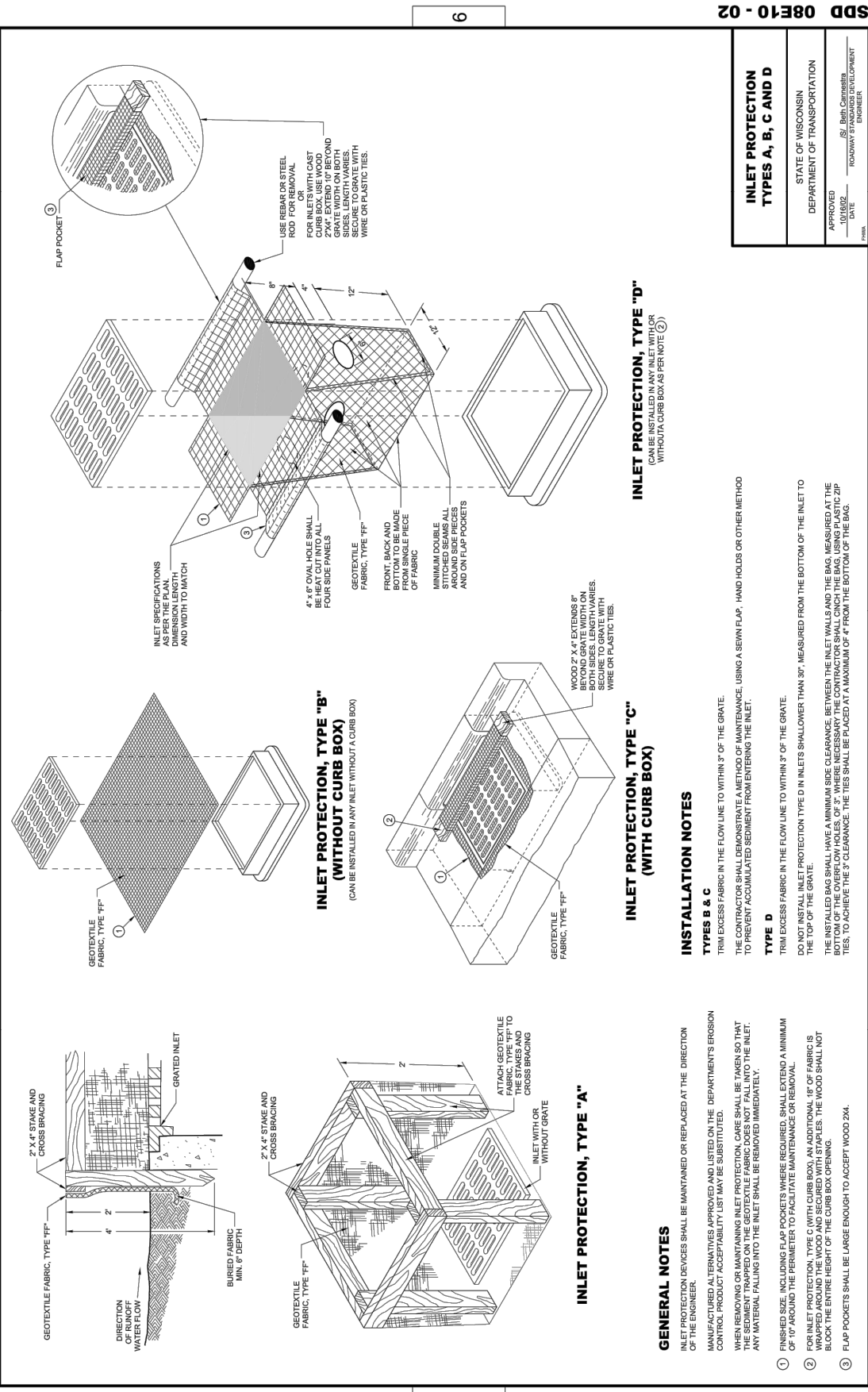
DATE	REVISION	DESCR.

SDD 08E14 Tracking Pad

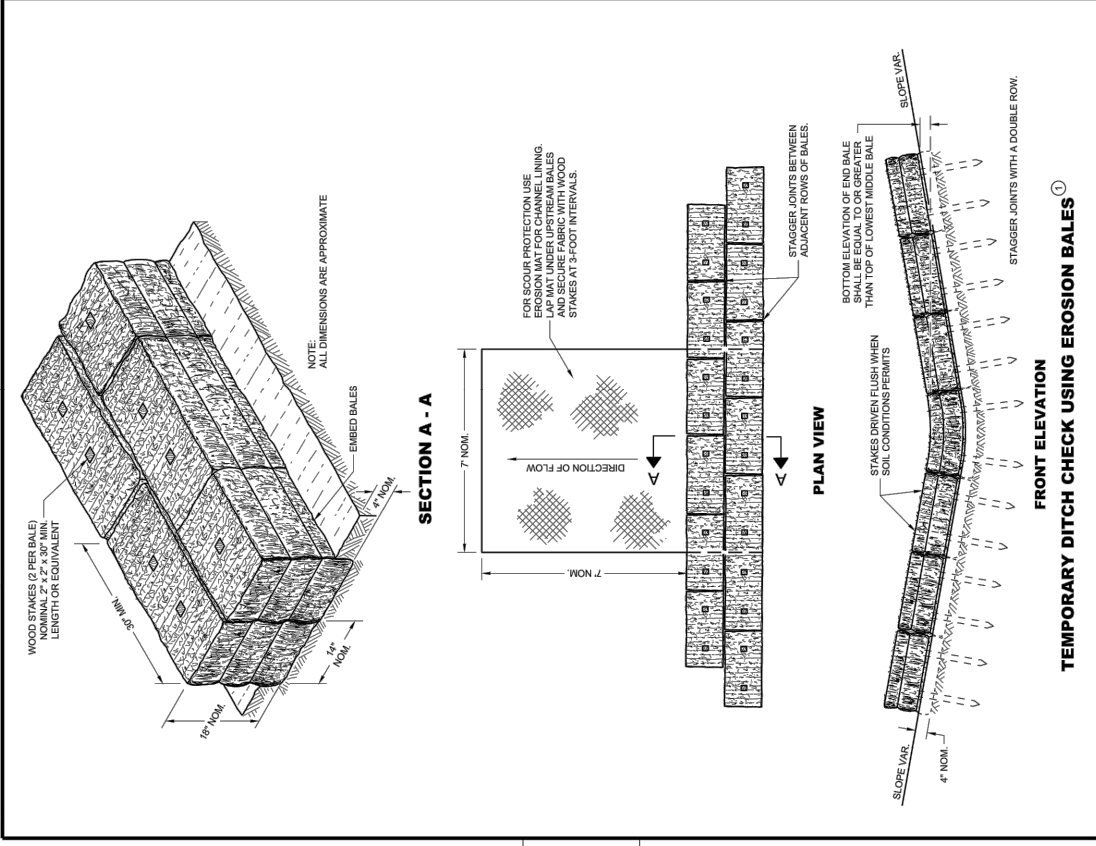


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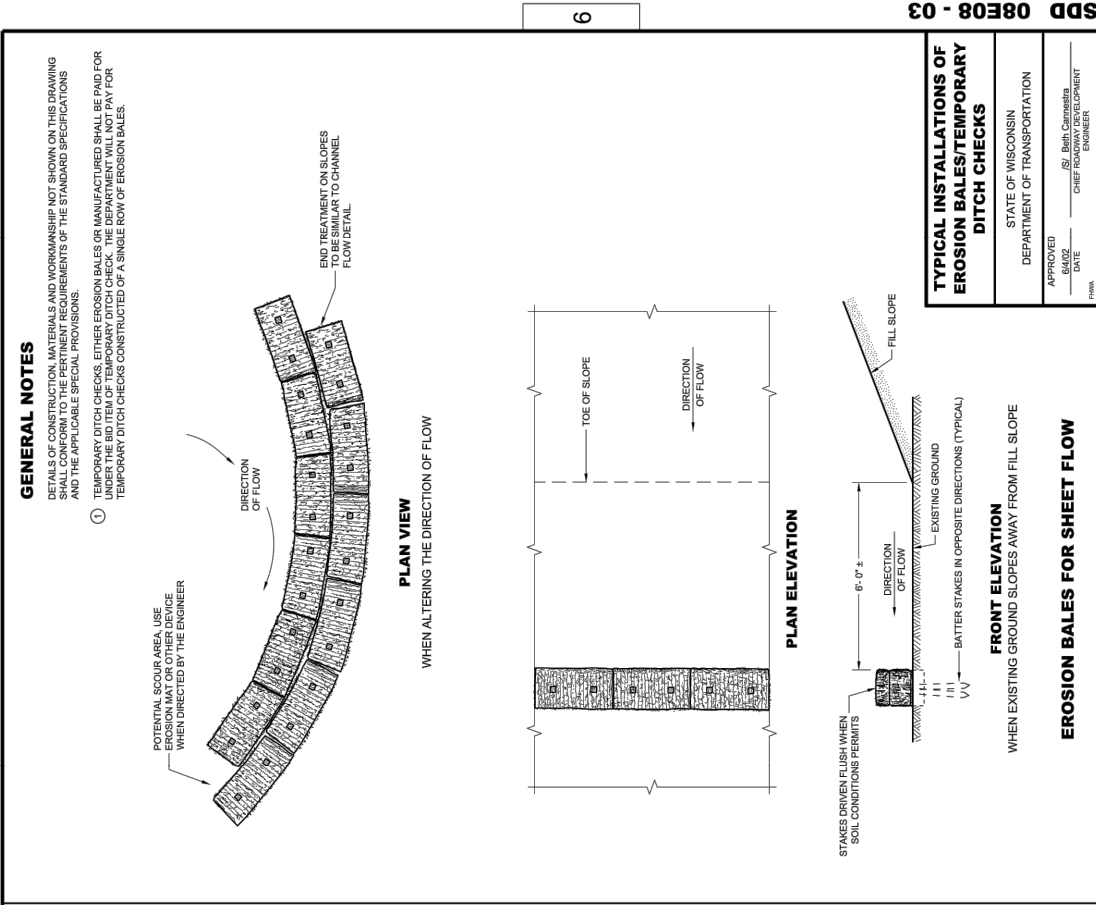
SDD 08E10 Inlet Protection, Types A, B, C and D



SDD 08E10 - 02



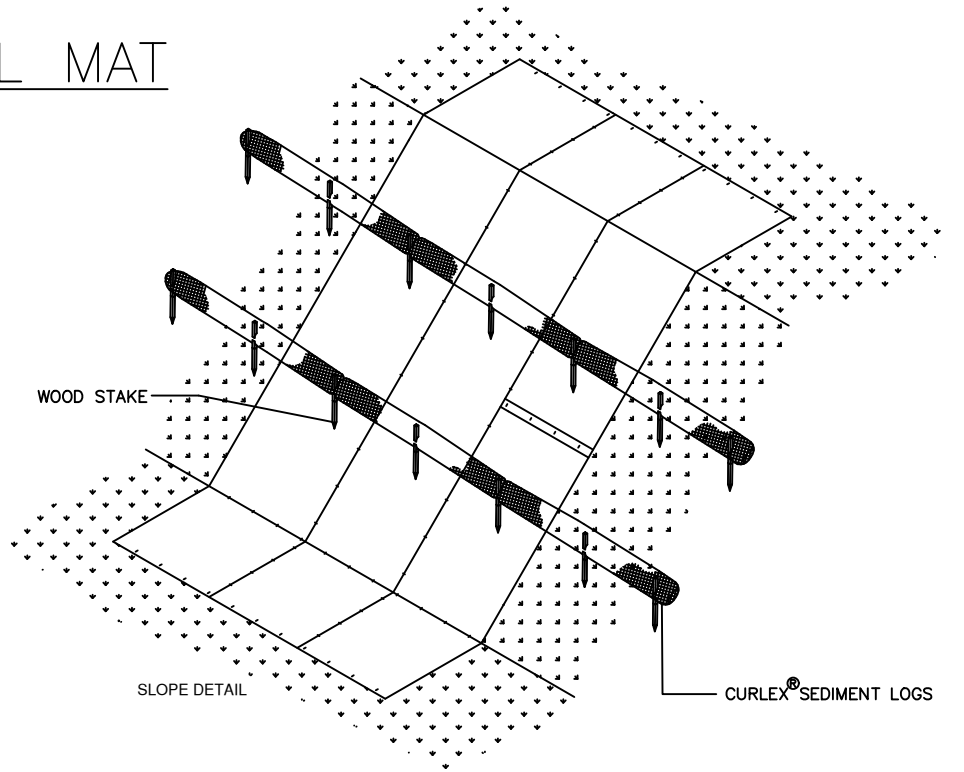
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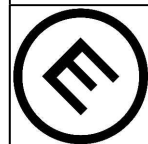
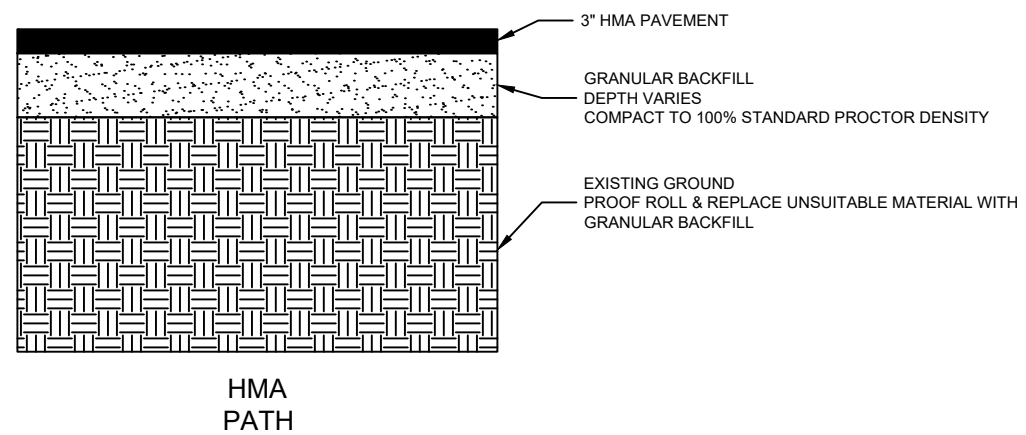
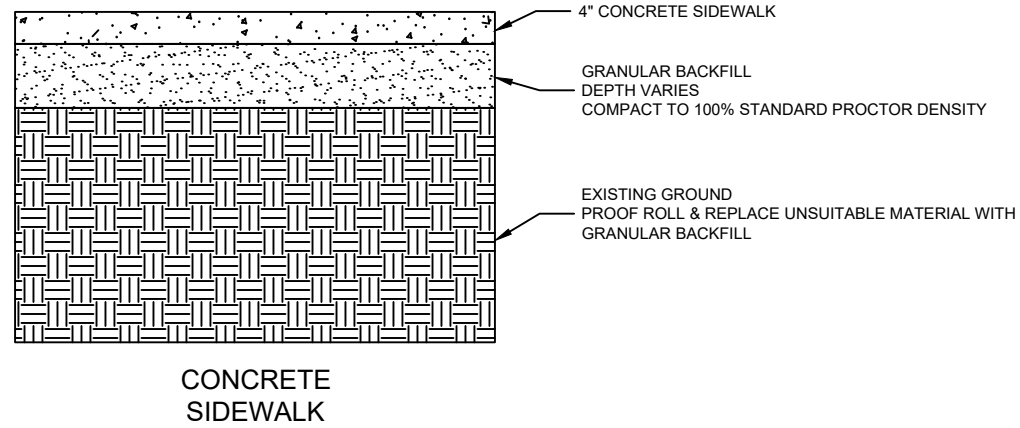


SDD 08E08 - 03

EROSIONAL CONTROL MAT

- NOTES:**
1. STAPLE PATTERNS ARE DEPENDENT UPON SLOPE CONDITIONS AND MANUFACTURER'S RECOMMENDATIONS.
 2. STAPLES OF 11 GAUGE OR HEAVIER SHALL BE USED TO HOLD MATS AND NETS IN PLACE.
 3. STAPLES SHALL BE U-SHAPED WITH A 1-INCH CROWN.
 4. STAPLE LENGTHS ARE DETERMINED BASED ON SOIL CONDITION. SEE WI STANDARD 484-MULCHING FOR STAPLE LENGTH REQUIREMENTS.
 5. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR BOTH END AND EDGE OVERLAP LENGTH.
 6. CONSIDER THE USE OF BIODEGRADABLE STAPLES IN LOCATIONS WHERE WIRE STAPLES ARE DETERMINED TO BE A RISK.





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ENGINEERING**

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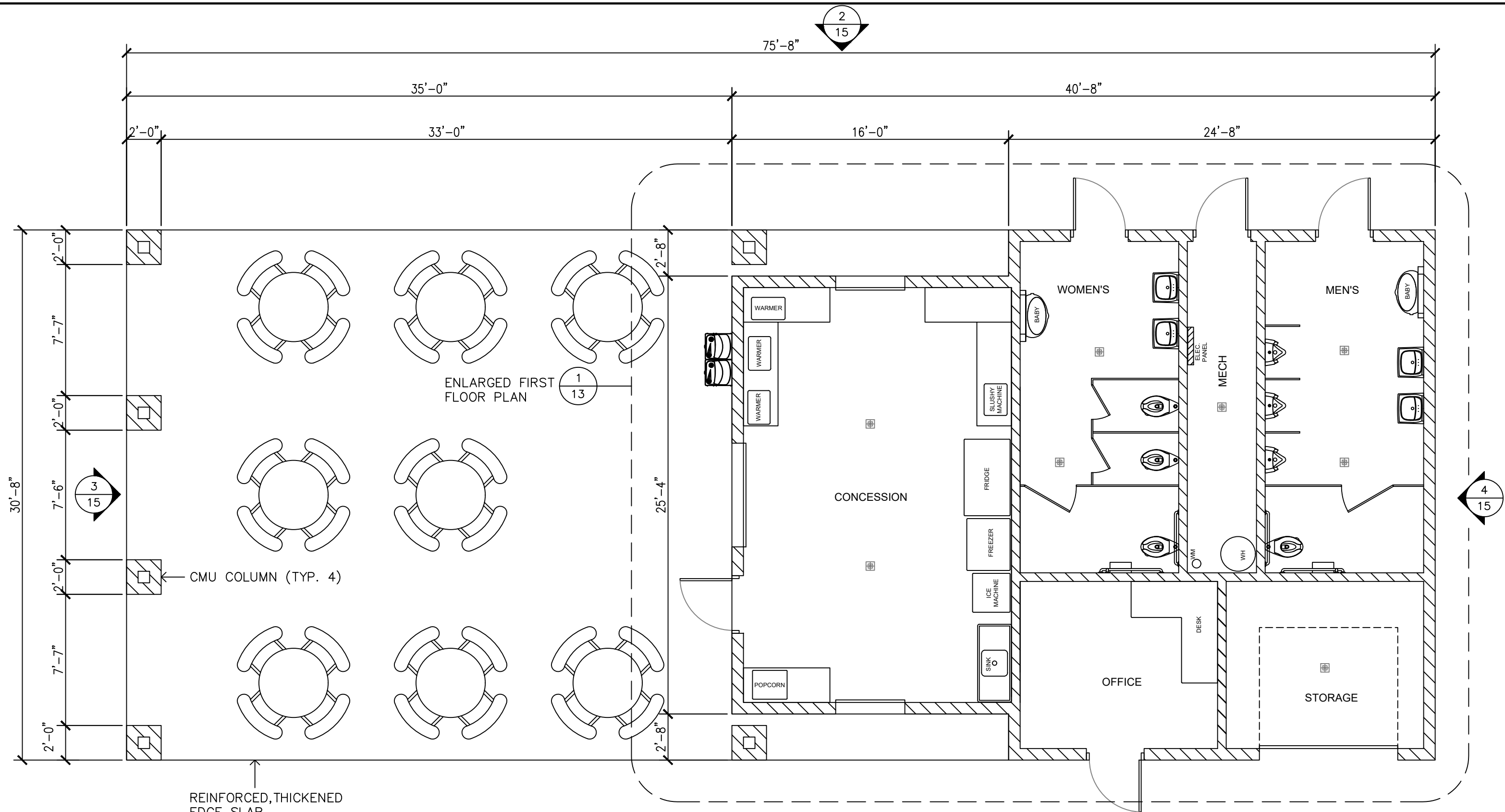
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CONSTRUCTION DETAILS

DATE	REVISION	DESCR.

11

24



1 OVERALL BUILDING PLAN
 $\frac{3}{16}'' = 1'-0''$
 N

NOTES:

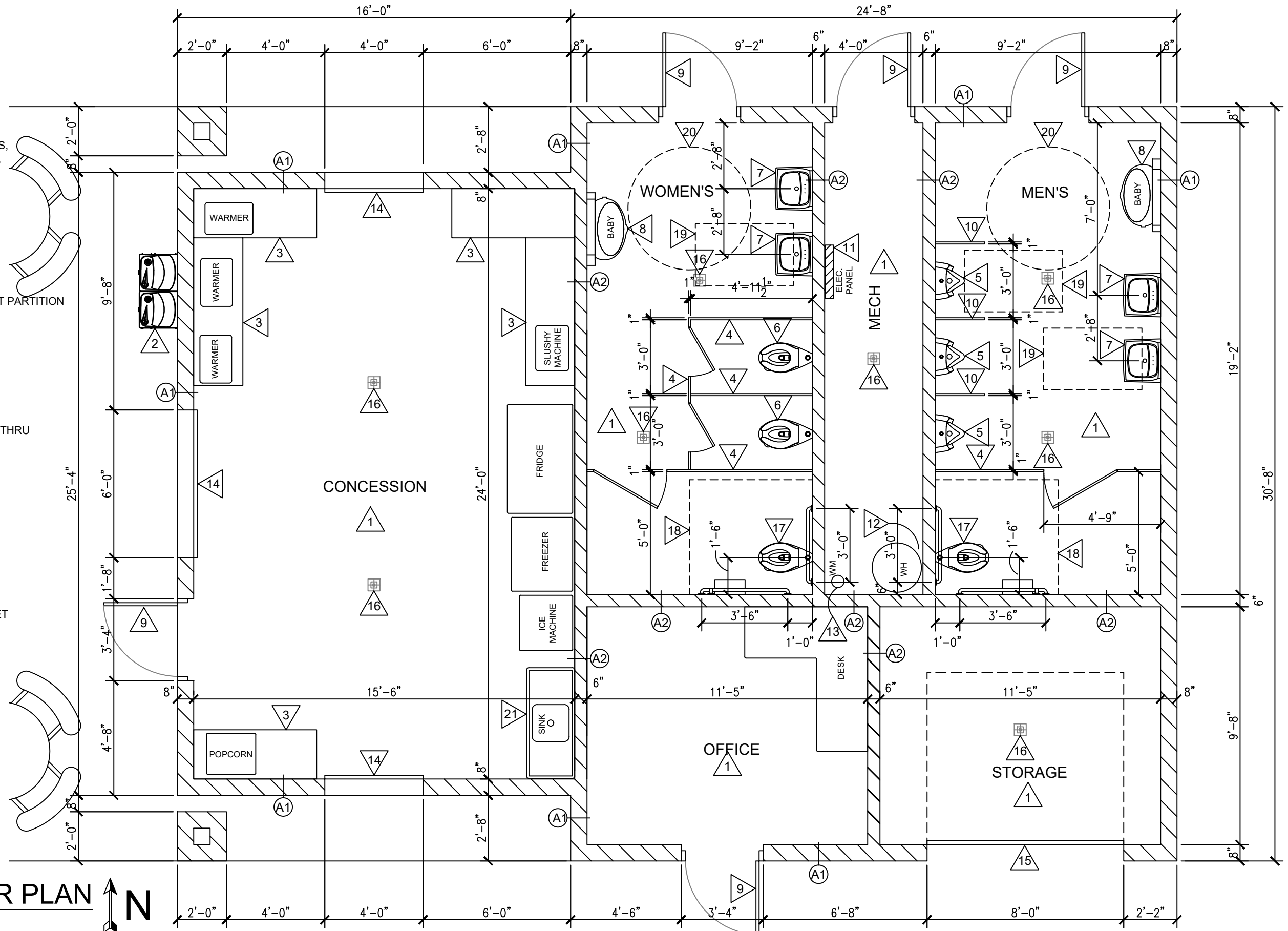
- A. SEE MASTER COLOR SCHEDULE FOR WALL AND SOLID SURFACE PAINT.
- B. VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL OPENINGS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENINGS SHALL BE SEALED AFTER UTILITY INSTALLATION.
- C. PAINT ALL EXPOSED STEEL LINTELS
- D. INSTALL BULLNOSE CMU AT ALL OUTSIDE CORNERS, INCLUDING BUILDING EXTERIORS AND DOOR JAMS, BUT EXCLUDING WINDOW JAMS
- E. EXTEND ALL WALLS TO BOTTOM OF TRUSSES UNLESS NOTED OTHERWISE.
- F. FLOORS TO BE SEALED CONCRETE.

KEY NOTES:

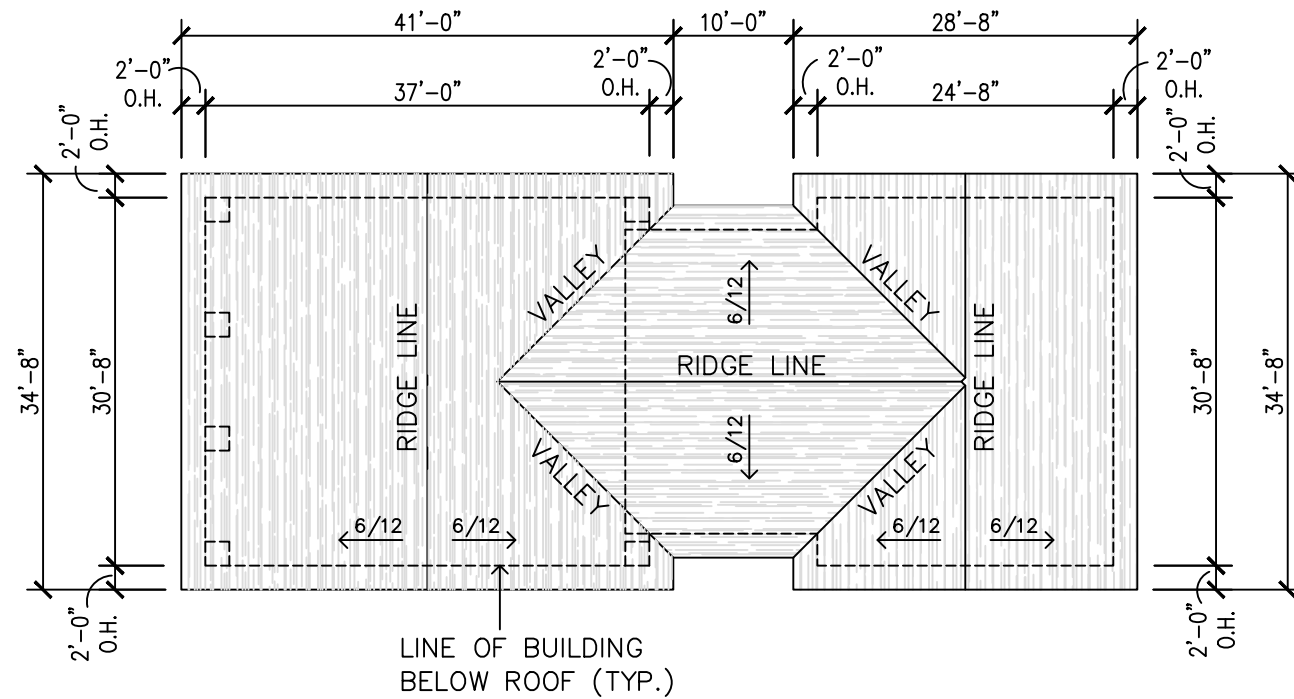
- 1. CONCRETE FLOOR
- 2. WATER FOUNTAIN
- 3. 24" D. STAINLESS STEEL TABLE
- 4. FLOOR MOUNTED CEILING BRACED PLASTIC TOILET PARTITION
- 5. URINAL
- 6. WATER CLOSET
- 7. LAVATORY
- 8. BABY CHANGING STATION
- 9. 3'-0" x 7'-0" EXTERIOR DOOR
- 10. WALL MOUNTED PLASTIC TOILET PARTITION
- 11. ELECTRICAL PANEL
- 12. TANKLESS WATER HEATER
- 13. WATER METER LOCATION
- 14. ROLL-UP OVERHEAD DOOR AT CONCESSION PASS-THRU
- 15. 8'-0" x 7'-0" OVERHEAD DOOR
- 16. FLOOR DRAIN
- 17. WATER CLOSET WITH HORIZONTAL AND VERTICAL GRAB BARS.
- 18. 60" x 56" CLEAR SPACE - SEE FIG: 604.3.1
- 19. 30" x 48" CLEAR SPACE
- 20. 5'-0" TURNING RADIUS.
- 21. CONCESSION SINK.

(A) INDICATES WALL TYPE, SEE SHEET 12 FOR WALL TYPE DETAILS

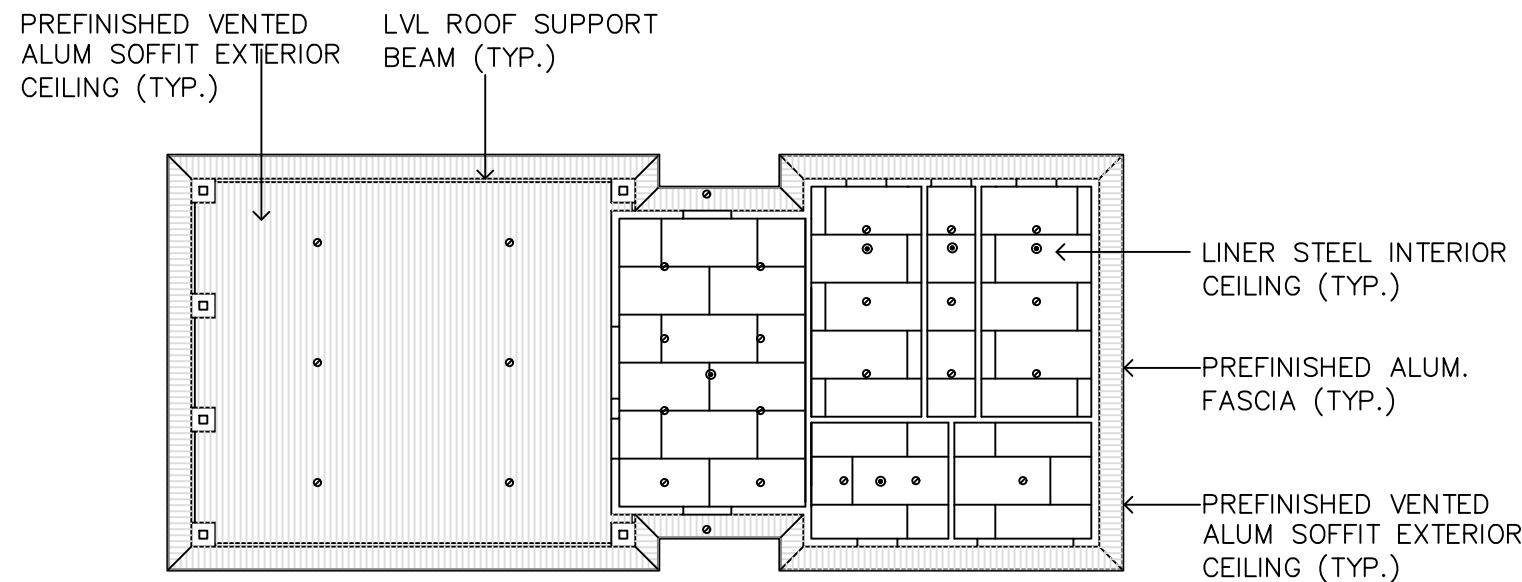
INDICATES CONSTRUCTION NOTE, SEE THIS SHEET



1 ENLARGED FIRST FLR PLAN
 $\frac{1}{4}'' = 1'-0''$



1 ROOF PLAN
 $\frac{1}{16}'' = 1'-0''$



2 REFLECTED CLG. PLAN
 $\frac{1}{16}'' = 1'-0''$

NOTES:

1. SEE SPECIFICATIONS FOR INSULATION VALUES.
2. VERIFY ROOF EQUIPMENT & PENETRATIONS WITH ALL TRADES.
3. UNLESS REQUIRED OTHERWISE BY EQUIPMENT MANUFACTURER, ALL METAL ITEMS AT ROOF TOPS SHALL BE PAINTED TO MATCH OTHER TRIM BY THE GENERAL CONTRACTOR, PREPARE, PRIME AND PAINT AS REQUIRED. PROVIDE FACTORY PRIMED PRODUCTS WHERE POSSIBLE. PAINT ALL EXPOSED STEEL LINTELS.
4. ROOF PENETRATIONS FOR DRAINS, VENTS, ETC SHALL BE COMPLETED IN ACCORDANCE WITH CURRENT SMACNA REQUIREMENT AND THE ROOF MANUFACTURER APPROVED DETAILS FOR WARRANTY SATISFACTION. COORDINATE QUANTITY AND LOCATIONS WITH MEP CONTRACTOR. PROVIDE CURBS WHERE REQUIRED.
5. ALL METAL ROOF AND FLASHING SHALL MEET CURRENT SMACNA REQUIREMENTS AND MANUFACTURERS SPECIFIED WARRANTY REQUIREMENTS.
6. TOP OF WALL BLOCKING SHOWN IS GRAPHIC. BLOCKING SHALL BE ANCHORED TO WALL BELOW AS RECOMMENDED BY ROOFING SYSTEM MANUFACTURER TO WITH STAND WIND UPLIFT AS STATED IN CODE. TOP OF WALLS SHALL SLOPE TOWARD ROOF.
7. STALL BOND BREAK MATERIAL BETWEEN ALL WOOD BLOCKING AND CMU OR CONCRETE.
8. WHERE ROOF DRAINS PENETRATE ABOVE ROOMS WITH NO CEILINGS, CARE SHALL BE TAKEN TO ENSURE NEAT CUTS IN THE DECK, AND PIPING/INSULATION SHALL BE CUT AND ANCHORED NEATLY AT RIGHT ANGLES TO STRUCTURE.

ROOF SYSTEM DESCRIPTION:

STEEL OVER UNDERLAYMENT OVER $\frac{5}{8}''$ SHEATHING ON SLOPED ROOF TRUSSES.

ROOF EQUIPMENT LEGEND:

- INTAKE VENT
- EXHAUST VENT
- PLUMBING VENT

NOTES:

1. SEE ELECTRICAL FOR LIGHTING TYPES
2. ALL PARTITIONS AND WALLS SHALL EXTEND TO THE BOTTOM OF THE ROOF TRUSSES.
3. INTERIOR CEILING TO BE LINER STEEL FASTENED TO THE BOTTOM OF WOOD TRUSSES.
4. EXTERIOR CEILING TO BE NON-VENTED SHEET METAL OR SOFFIT FASTENED TO BOTTOM OF WOOD TRUSSES.

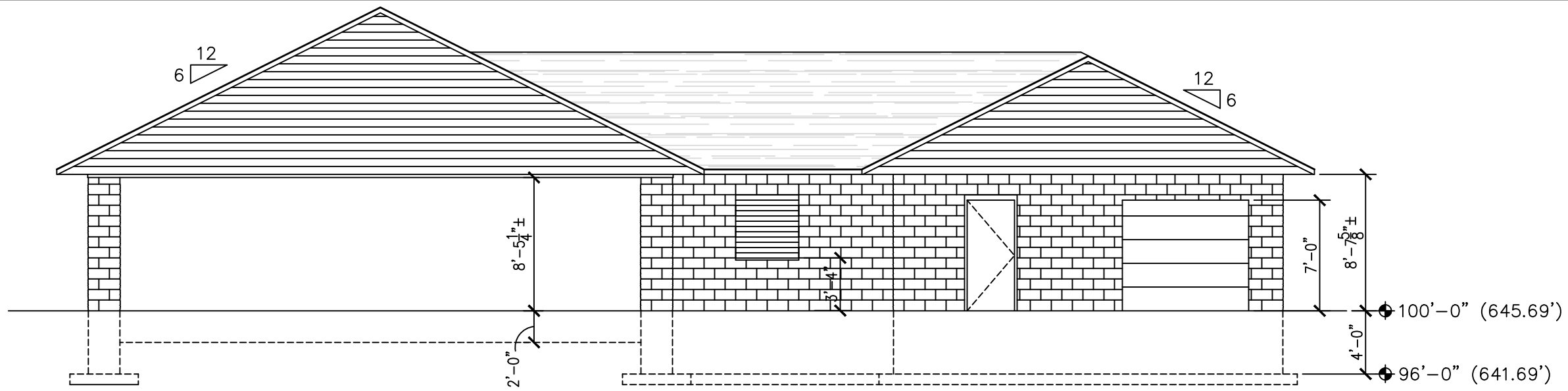
KEY NOTES:

1. 4X5 ALUMINUM OPEN FACE DOWNSPOUT
2. 5X5 ALUMINUM GUTTER

REFLECTED CEILING EQUIPMENT LEGEND:

- INTERIOR/EXTERIOR RECESSED CEILING LIGHT FIXTURE - SEE ELECTRICAL

DATE	REVISION	DESCR.

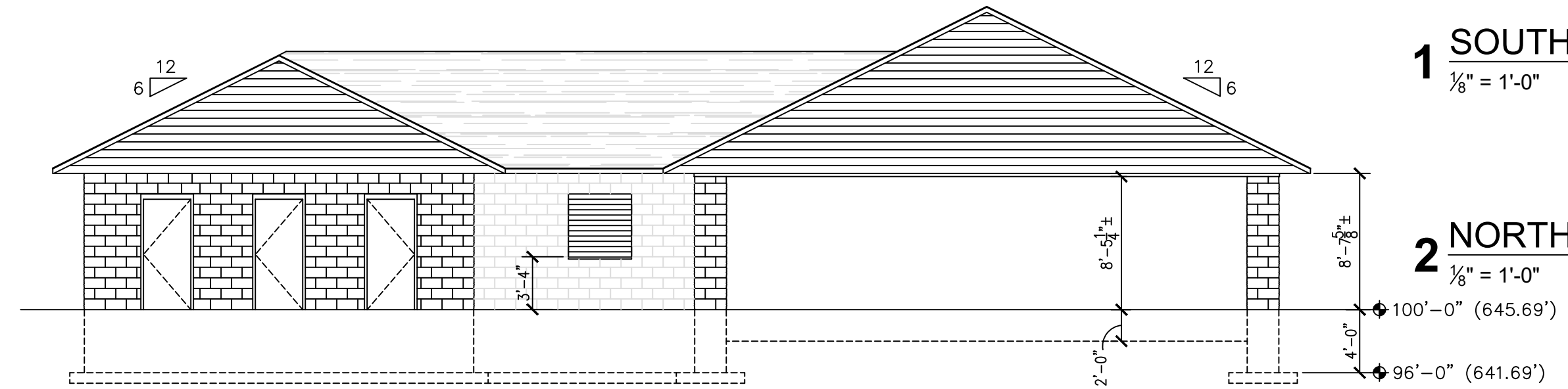


- TYPICAL PITCHED ROOF CONST.:**
- RIDGE VENT CONT. TO EDGES OF ROOF; TYP.
 - ASPHALT SINGLE
 - ICE & WATER SHIELD @ ROOF
 - 15/32" A.P.A. RATED PLYWD. SHEATHING; EXTERIOR GRADE
 - PRE-FAB ENG. ROOF TRUSSES @ 2'-0" O.C.; BY OTHERS
 - PROVIDE FOAM PLASTIC VENT CHUTES TO MAINTAIN VENTING AS REQ'D.

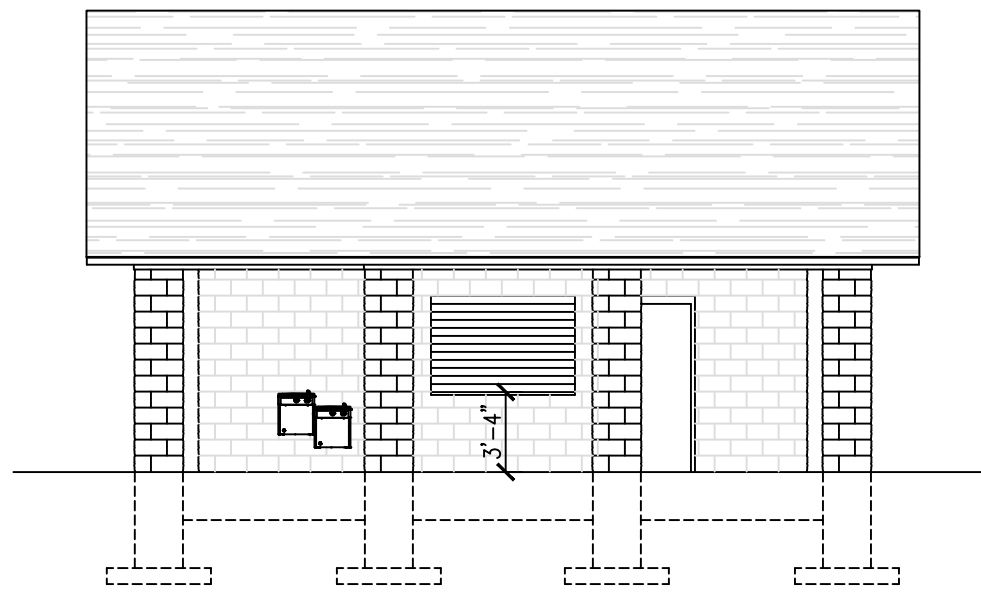
- TYPICAL WALL CONST.:**
- HORIZ. LAP SIDING OVER HOUSE WRAP ON 15/32" EXTERIOR SHEATHING. SEE THIS SHEET FOR EXACT AREAS
 - 8" TINTED, SPLIT-FACE CMU REINFORCED AT 16" O.C. - EXTERIOR WALL
 - 6" TINTED, SMOOTH CMU REINFORCED AT 16" O.C. INTERIOR WALL
 - SEE STRUCTURAL SHTS. FOR REINFORCING

- TYPICAL FLOOR SLAB/FOUND. CONST.:**
- 4" CONCRETE FLOOR SLAB WITH REINFORCING
 - 8" POURED FOUNDATION WALLS WITH REINFORCING
 - SEE STRUCTURAL SHTS. FOR REINFORCING

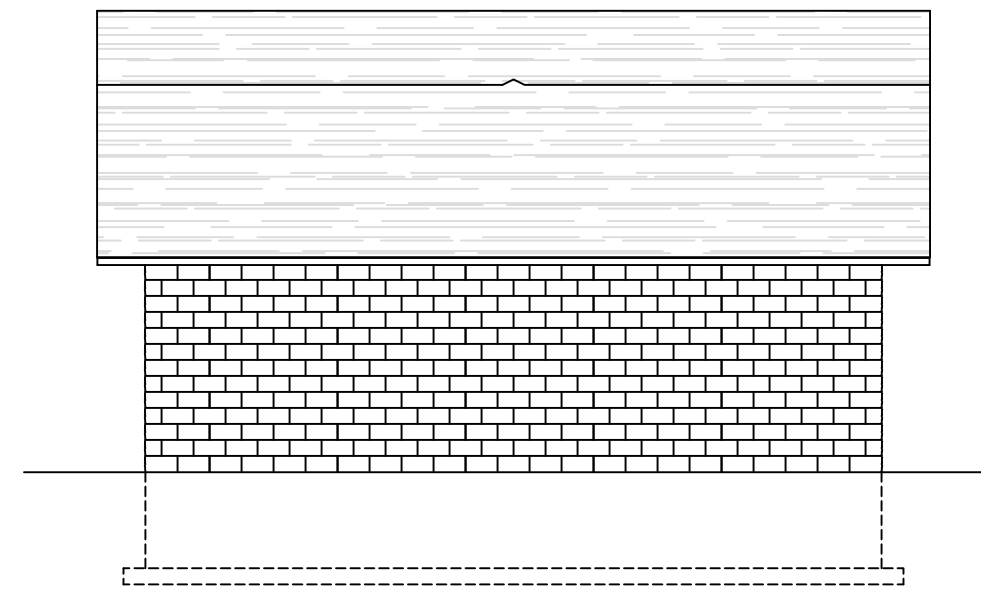
1 SOUTH ELEVATION
1/8" = 1'-0"



2 NORTH ELEVATION
1/8" = 1'-0"

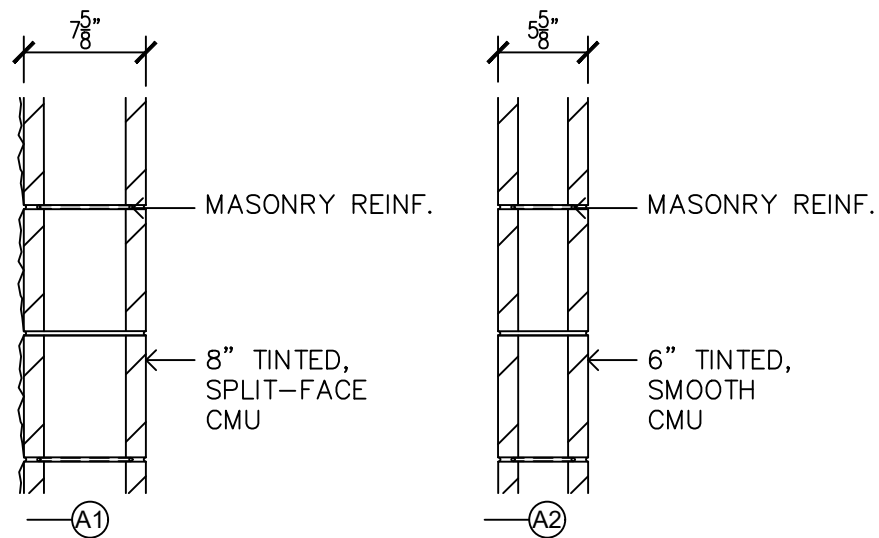


3 WEST ELEV.
1/8" = 1'-0"

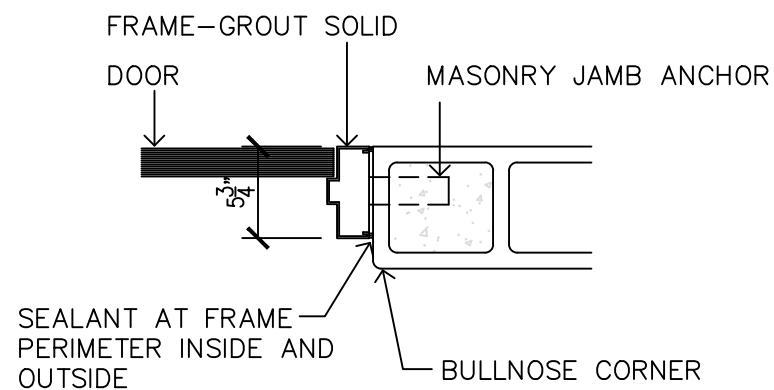


4 EAST ELEV.
1/8" = 1'-0"

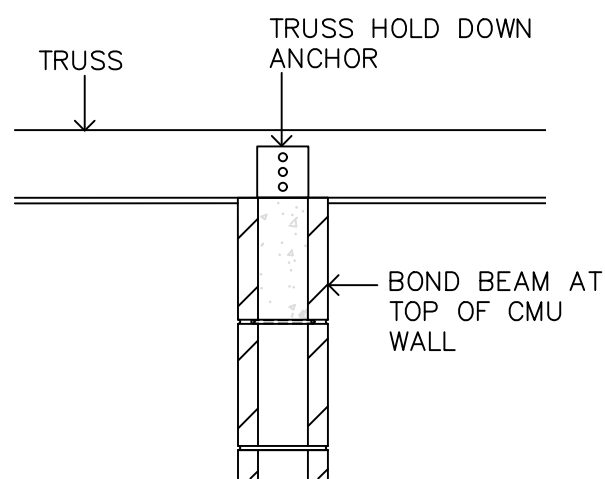
DATE	REVISION	DESCR.



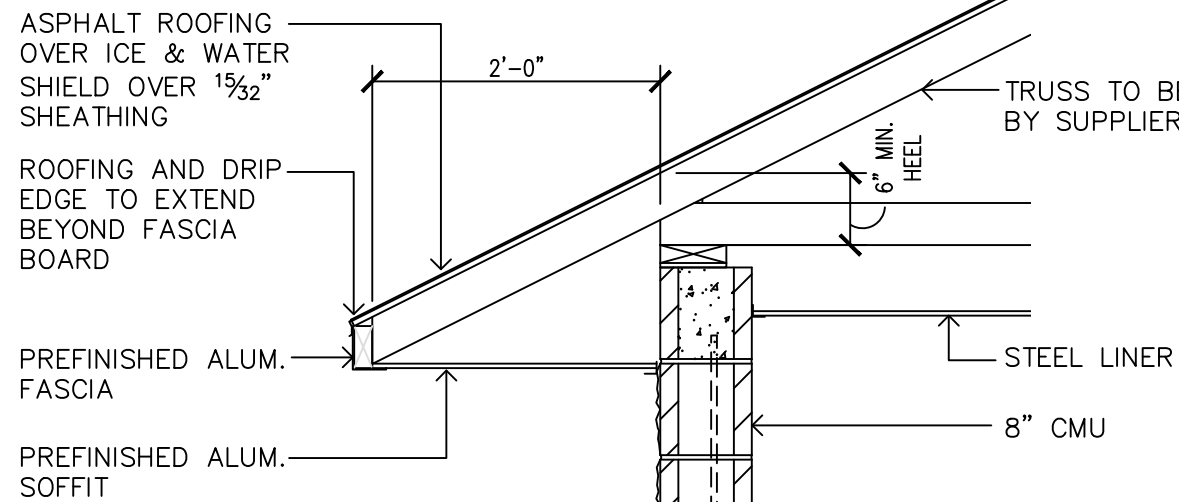
1 WALL TYPES
1" = 1'-0"



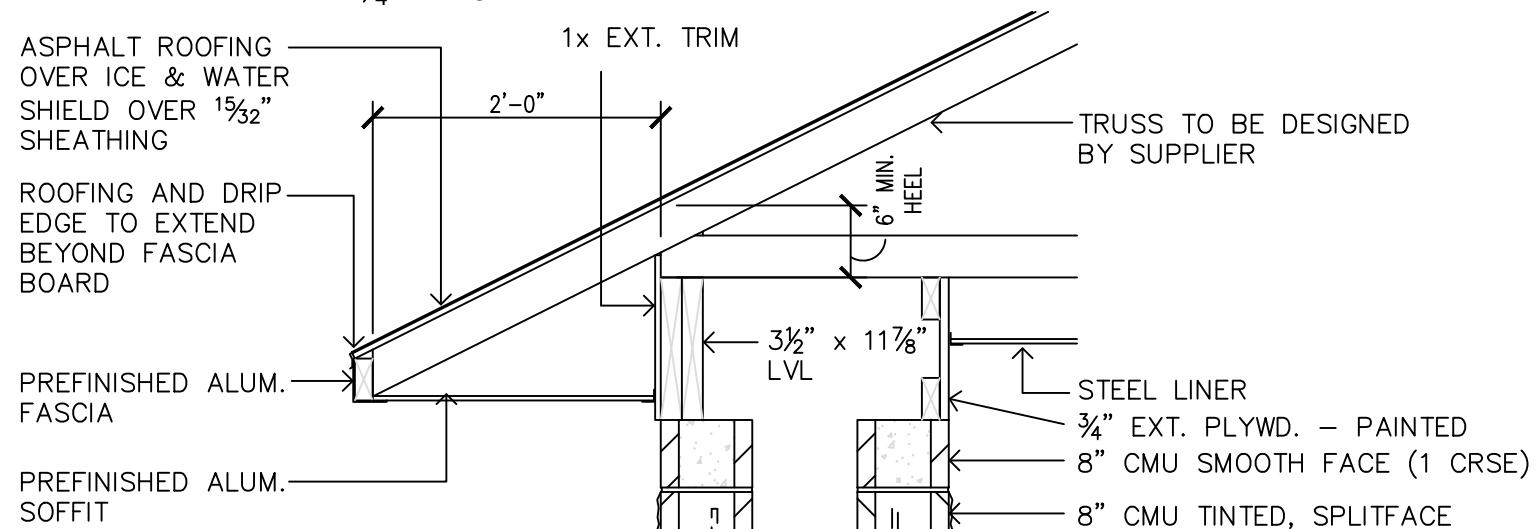
2 DOOR JAMB DETAIL
1" = 1'-0"



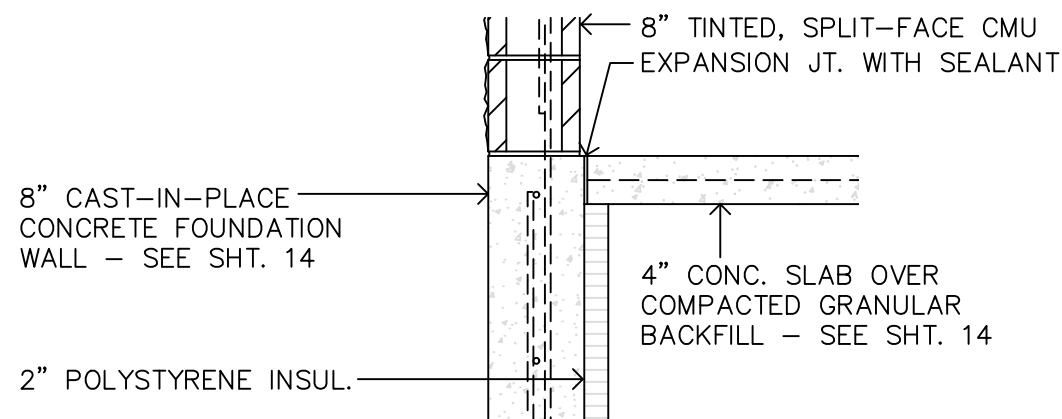
3 TOP OF CMU WALL DETAIL
1" = 1'-0"



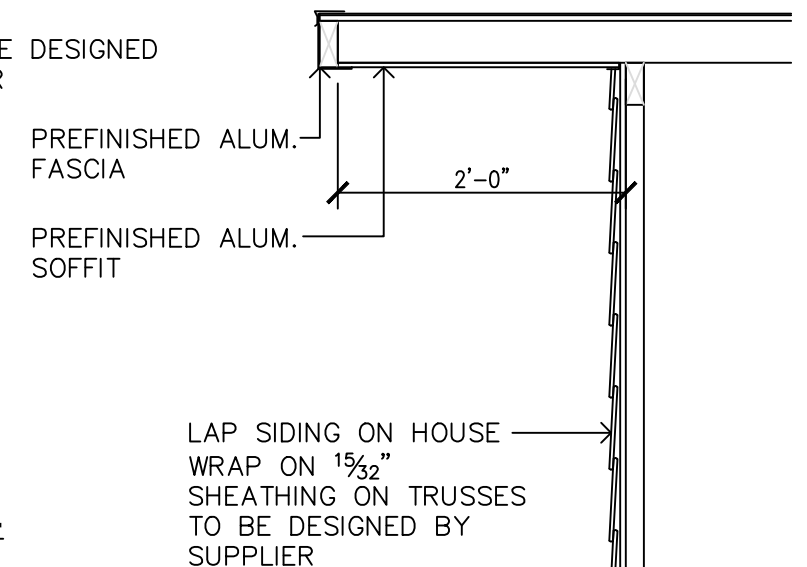
4 TOP OF WALL AT BLDG. DETAIL
3/4" = 1'-0"



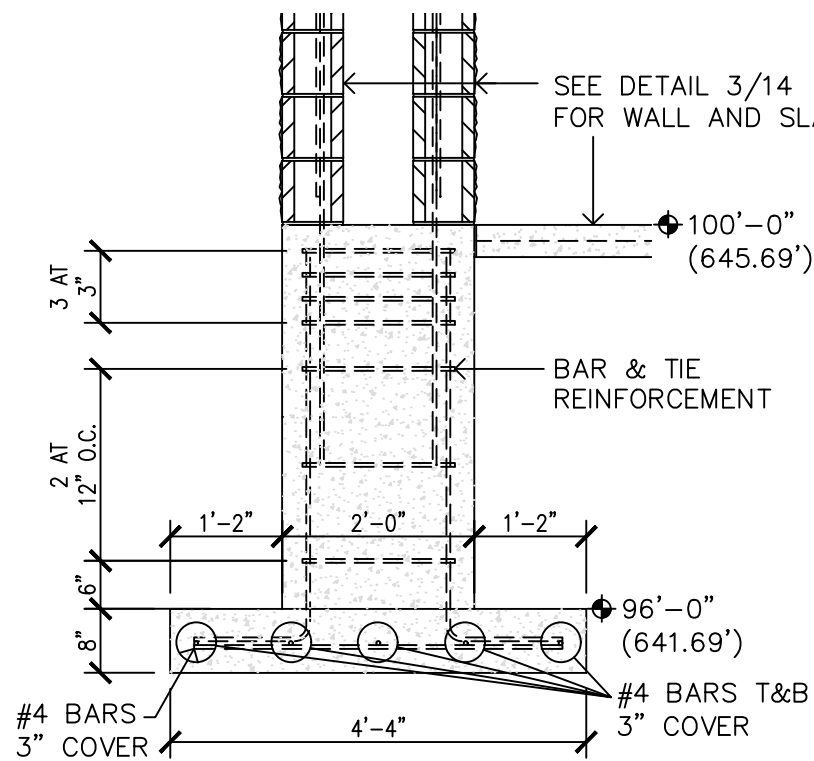
5 TOP OF WALL AT COL. DETAIL
3/4" = 1'-0"



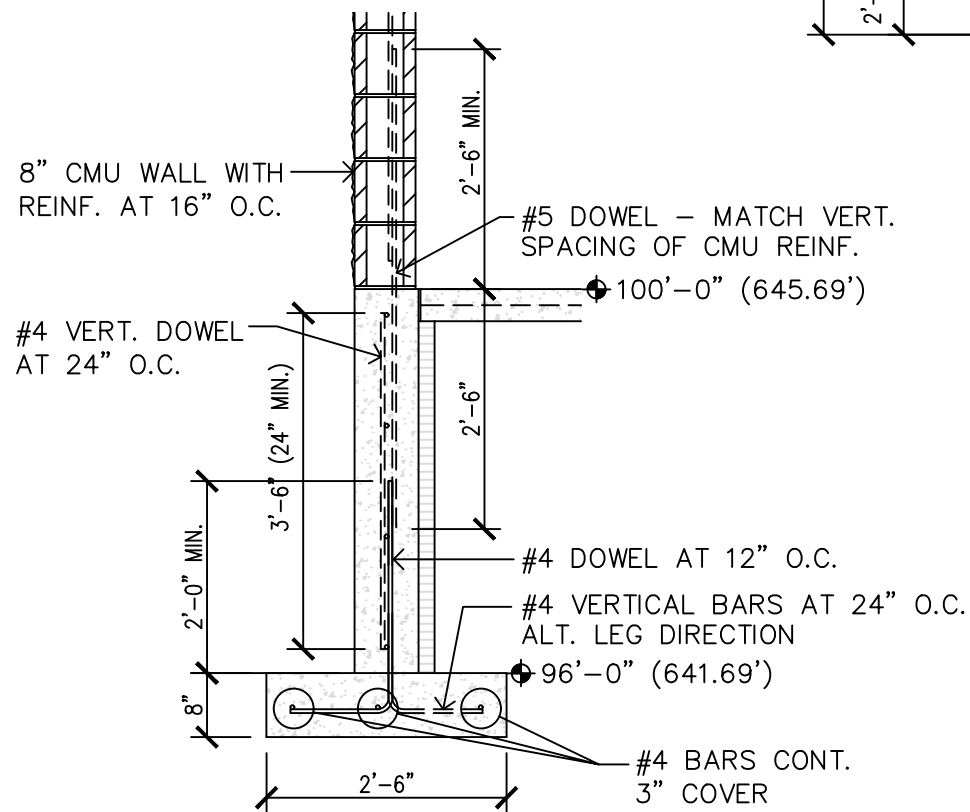
6 TOP OF FOUND. AT BLDG. DETAIL
3/4" = 1'-0"



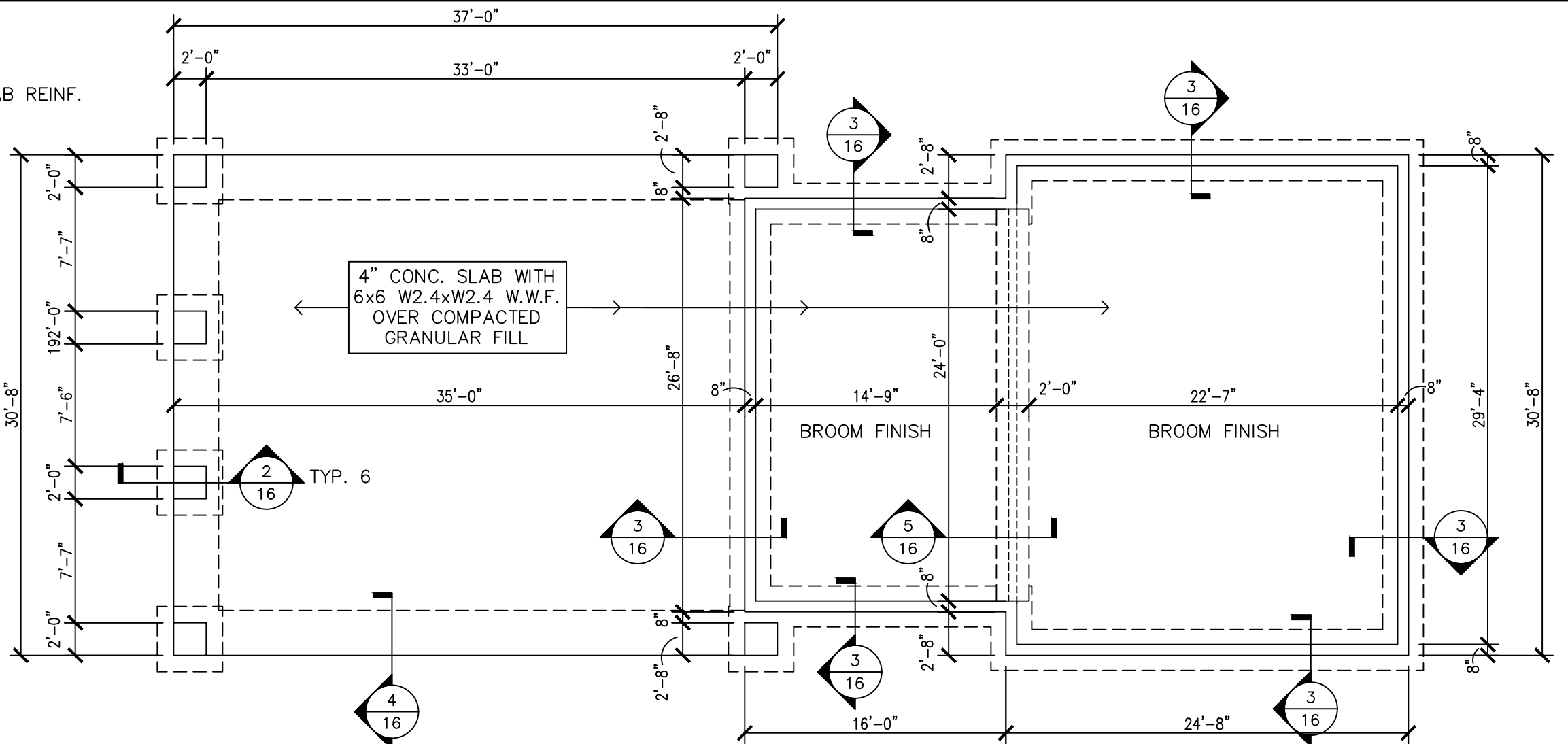
7 GABLE END DETAIL
3/4" = 1'-0"



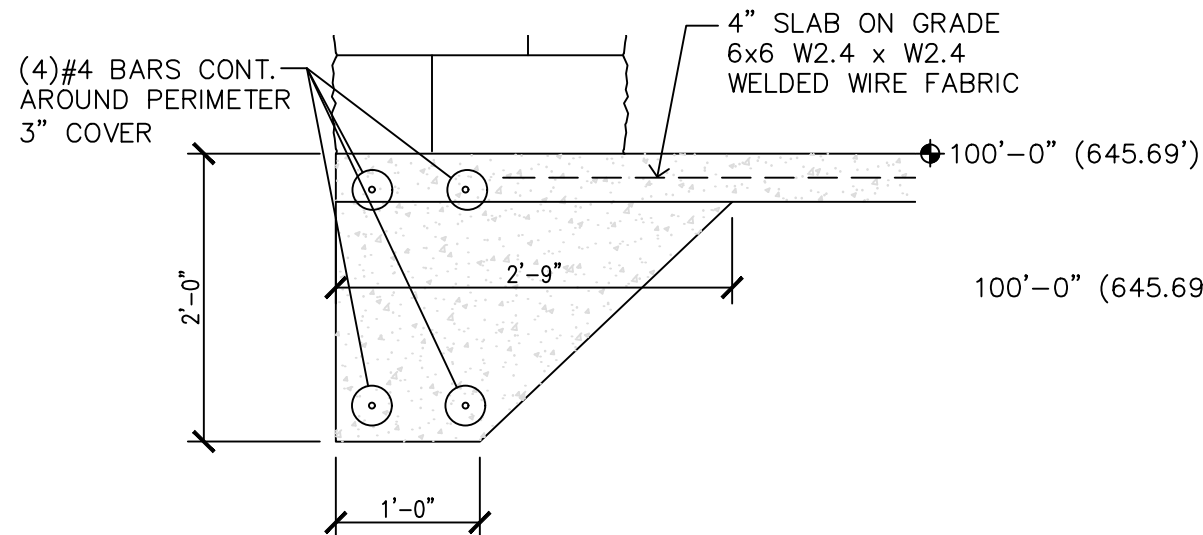
2 CIP. CONC. PIER DETAIL
 $\frac{1}{2}'' = 1'-0''$



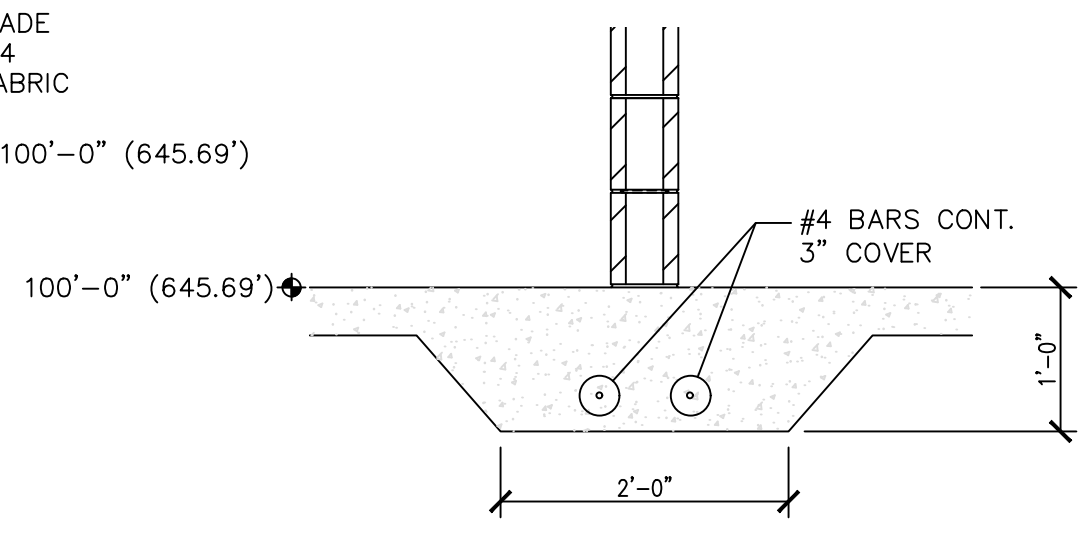
3 CIP. CONC. FROST WALL DETAIL
 $\frac{1}{2}'' = 1'-0''$



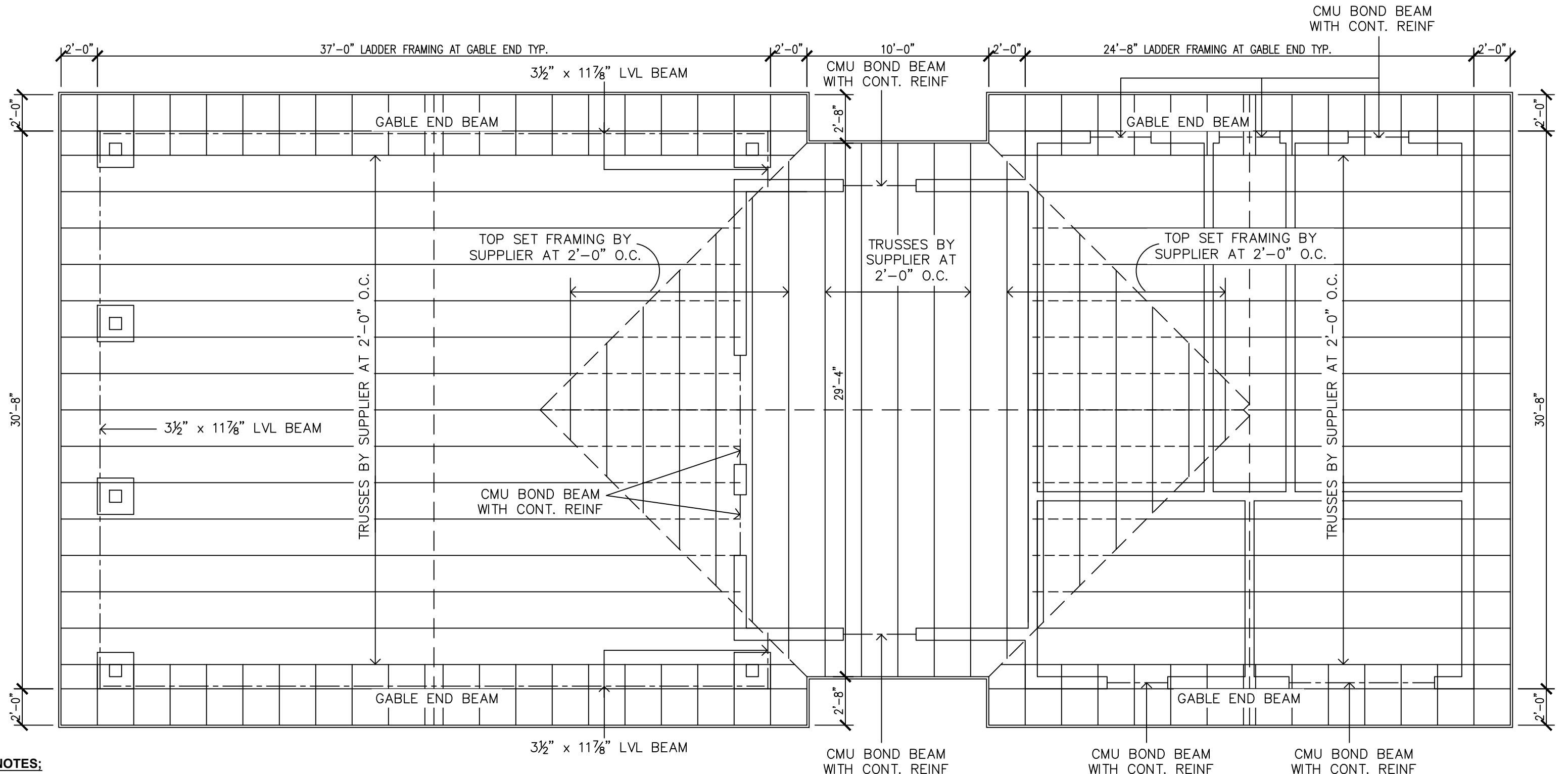
1 FOUNDATION PLAN
 $\frac{1}{4}'' = 1'-0''$



4 CONC. SLAB DETAIL
 $\frac{3}{4}'' = 1'-0''$



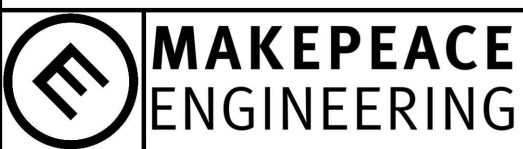
5 THICKENED SLAB DETAIL
 $\frac{3}{4}'' = 1'-0''$



NOTES;

1. 6/12 PITCH
2. INSTALL ADDITIONAL BLOCK AS NEEDED FOR INSTALLATION OF SOFFIT, GYPSUM & OTHER MATERIALS.
3. ROOF SHALL CONSIST OF ASPHALT ROOFING, UNDERLAYMENT (ICE & WATER SHIELD), 5/32" SHEATHING, ON 2X4 WOOD TRUSS (OR SIMILAR AS DESIGNED BY SUPPLIER).

1 ROOF FRAMING PLAN $\frac{3}{16}" = 1'-0"$



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2/4/2022

ROOF FRAMING PLAN

DATE	REVISION	DESCR.

MATERIAL SPECIFICATIONS:

CODE
COMPLY WITH ALL LOCAL AND STATE BUILDING CODES. SECURE PERMITS FROM PROPER OFFICES AND PAY FEES. FURNISH OWNER WITH ONE COPY OF ALL PERMITS.

AS-BUILT DRAWINGS
SUBMIT COPY TO OWNER AT COMPLETION OF PROJECT.

SANITARY DRAIN, WASTE, & VENT PIPING
SCHEDULE 40 PVC DWV PIPE & FITTINGS

DOMESTIC WATER PIPING ABOVE FLOOR
TYPE L COPPER WATER TUBE, HARD TEMPER, ASTM B88, WITH CAST COPPER PRESSURE FITTINGS, ANSI B16.18; WROUGHT COPPER PRESSURE FITTINGS, ANSI 16.22; LEAD FREE (<0.2%) SOLDER, ASTM B32; FLUX, ASTM B813.

DOMESTIC WATER PIPING BELOW FLOOR
HDPE WATER TUBE

WATER VALVES
NIBCO, APOLLO.

BALL VALVES 2" & SMALLER, NIBCO #PF-585-80 (MALE END) OR PS-585-80 (FEMALE END), FULL PORT TWO PIECE (½"-2" SIZES), RPTFE STEM PACKING, GLAND NUT, BRONZE BODY (<15% ZINC), CHROME PLATED BALL, REINFORCED TEFLON SEATS (RPTFE), BLOW-OUT PROOF SYSTEM, ADJUSTABLE PACKING GLAND, 600 PSI WOG, 250°F MAXIMUM OPERATING TEMPERATURE.
CONTRACTOR SHALL INSTALL BRONZE BALL VALVES AS SPECIFIED AND WHERE SHOWN ON DRAWINGS.

PIPE INSULATION

PROVIDE COMPOSITE PIPING INSULATION (INSULATION, JACKETS, COVERINGS, SEALERS, MASTICS, AND ADHESIVES) WITH RATINGS NOT EXCEEDING FLAME SPREAD OF 25 AND A SMOKE DEVELOPED OF 50 (TEST METHOD ASTM E-84). COMPLY WITH ALL CODES REGARDING THE USE OF FOAM INSULATION. INSULATE PIPING LOCATED IN INTERIOR SPACES: DOMESTIC COLD WATER PIPING & RAINWATER PIPING. RIGID FIBERGLASS INSULATION WITH MINIMUM NOMINAL DENSITY OF 3 LBS/CF, AND THERMAL CONDUCTIVITY OF NOT MORE THAN 0.23 AT 75°F MEAN TEMPERATURE, SUITABLE FOR TEMPERATURES TO 450°F WITH VAPOR BARRIER JACKET.

SERVICE	INSULATION TYPE	PIPE SIZE	INSULATION THICKNESS
RAINWATER	RIGID FIBERGLASS	6" & SMALLER	1"
HOT WATER	RIGID FIBERGLASS	1" & SMALLER	½"
COLD WATER	RIGID FIBERGLASS	2" & SMALLER	½"

GENERAL PLUMBING NOTES:

- BUILDING SYSTEMS MUST REMAIN OPERATIONAL, UNLESS OTHERWISE PERMITTED BY OWNER. COORDINATE AS REQUIRED.
- PATCH ALL HOLES THROUGH FLOORS W/ NON-SHRINK GROUT.
- ALL WORK TO BE SCHEDULED AS DIRECTED BY OWNER. COORDINATE AS REQUIRED.
- ALL DOMESTIC WATER SHALL BE CONSTRUCTED WITH TYPE L COPPER.
- THE PLAN HAS BEEN PRODUCED UTILIZING THE EXISTING PLANS AND IS NOT INTENDED TO BE ALL INCLUSIVE.
- INSTALL ALL WORK SUBSTANTIALLY AS SHOWN ON THE DRAWINGS. DEVIATIONS FROM LOCATIONS OF PIPING INDICATED ON THE DRAWINGS MAY HAVE TO BE MADE AT NO ADDITIONAL COST TO THE OWNER IN ORDER TO CLEAR/ACCOMMODATE THE WORK OF OTHER TRADES. ALL SUCH DEVIATIONS SHALL BE PREVIOUSLY APPROVED BY THE ENGINEER.
- REFER TO BUILDING PLAN SHEETS FOR EXACT LOCATIONS OF ALL PLUMBING FIXTURES, STRUCTURAL DIMENSIONS AND LAYOUT.
- EACH SYSTEM SHALL BE COMPLETE, WORKING, TESTED, AND OPERATIONAL.
- NO JOINTS SHALL BE INSTALLED IN UNDER FLOOR WATER PIPING.
- ALL WATER PIPING SHALL BE INSTALLED SO AS TO FACILITATE COMPLETE DRAINAGE.
- ALL ROUGH IN PIPING SHALL TERMINATE FROM WALL PERPENDICULAR TO WALL AND LEVEL.
- ALL WATER PENETRATIONS FOR FIXTURES THROUGH WALLS OR FLOORS SHALL BE SECURED.
- ALL FIXTURE WATER SUPPLY FLOW RATES SHALL CONFORM TO SPS 384.20(3).
- DOMESTIC WATER PIPE SIZING SHALL CONFORM TO SPS 382.40, FRICTION LOSS METHOD AND MAXIMUM FLOW VELOCITY OF 8 FPS.
- BACKFLOW PROTECTION SHALL BE PROVIDED TO ALL FIXTURES, CONFORMING TO SPS 382.41(3).
- EACH FIXTURE SHALL BE VALVED, CONFORMING TO SPS 382.40(4)(C)B.
- TERMINATE WATER AND SANITARY LATERAL 5'-0" BEYOND EXTERIOR FACE OF FOUNDATION WALL. CONTINUATION SHALL BE UNDER A SEPARATE CONTRACT.
- UNLESS NOTED OTHERWISE, ALL WASTE AND DRAIN PIPING 3" AND LARGER SHALL BE INSTALLED AT A SLOPE OF ¼" PER FOOT AND WASTE AND DRAIN PIPING 2" AND SMALLER SHALL BE INSTALLED AT A SLOPE OF ⅛" PER FOOT.
- CONNECT VENT PIPING ABOVE THE CENTERLINE OF HORIZONTAL DRAIN PIPING ON CONFORMANCE WITH SPS 382.31(15)(b)1.
- FIXTURE VENTS SHALL CONNECT TO OTHER BRANCH VENTS A MINIMUM OF 38" ABOVE THE FLOOR, CONFORMING TO SPS 382.31(15)(b)3.
- THE INSTALLATION OF PVC DWV PIPING IN BUILDING SHALL CONFORM TO SPS 384.40(14), WHEN APPLICABLE.
- WASTE STACK BASE CONNECTIONS SHALL BE MADE USING LOG SWEEP FITTINGS.
- CLEANOUTS SHALL CONFORM TO SPS 382.35(6) TABLE 82.35.
- ALL WATER CLOSETS SHALL BE WATER CONSERVING TYPE, USING A MAXIMUM OF 1.6 GALLONS PER FLUSH CONFORMING TO SPS 384.20(3).
- ALL SINK FAUCETS SHALL USE A MAXIMUM OF 2.2 GPM, CONFORMING TO SPS 384.20(3)
- ALL LINE VALVES WHICH SERVE TWO OR MORE PLUMBING FIXTURES SHALL HAVE A FLOW OPENING NOT LESS THAN ONE NOMINAL PIPE SIZE SMALLER THAN THE NOMINAL SIZE OF THE PIPING. CONNECTING THE THE VALVE, CONFORMING WITH SPS 384.30(5)(b)3.
- PLASTIC PIPE MAY PENETRATE REQUIRED FIRE RESISTIVE FLOORS, WALLS, CEILINGS, AND FIRE RATED ASSEMBLIES PROTECTED WITH AN APPROVED FIRE-STOP SYSTEM HAVING AN F-RATING NOT LESS THAN THE HOURLY RATING OF THE ASSEMBLY BEING PENETRATED.
- CORE DRILL OPENINGS IN EXISTING FLOOR/WALL, AS REQUIRED. SIZE OF OPENINGS SHALL NOT EXCEED 1" LARGER THAN THE OD OF THE PIPING PENETRATING THE ASSEMBLY. COORDINATE WITH DRAFT/FIRE STOPPING REQUIREMENTS.

FIXTURE UNIT SUMMARY

SYMBOL	DESCRIP	FIXTURE	COUNT	PIPE SIZE				FIXTURE UNITS		
				WASTE	VENT	CW	HW	DFU	CWFU	HWFU
FD-1	FLOOR DRAIN	ZURN EZ-1 FLOOR DRAIN-SQUARE	8	3"	1 1/2"	-	-	24	-	-
L-1	LAVATORY	KOHLER-K-2005 WITH ZURN Z81104-XL-18M	4	2"	1 1/2"	1/2"	1/2"	4	2	2
S-1	PREP SINK	T.B.D.	1	3"	1 1/2"	3/4"	3/4"	3	2	2
WC-1	WATER CLOSET	KOHLER K96057 WITH ZURN Z6000PL-WS1	4	4"	1 1/2"	1"	-	24	26	-
UR-1	URINAL	KOHLER K-4991-ET-0	3	2"	2"	3/4"	-	6	6	-
DF-1	DRINKING FOUNTAIN	ELKAY VRCGRN8	2	1 1/2"	1 1/2"	1/2"	-	1	1	-
TOTAL								62	37	4

WATER HEATER

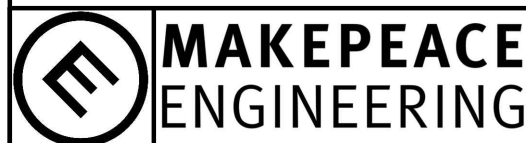
WH-1
T.B.D. 50 GALLON

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	FIXTURE	COUNT	PIPE CONNECTIONS		
				SS	CW	HW
				DFU	CWFU	HWFU
FD-1	FLOOR DRAIN	ZURN EZ-1 FLOOR DRAIN-SQUARE	8	3	-	-
L-1	LAVATORY	KOHLER-K-2005 WITH ZURN Z81104-XL-18M	4	1	0.5	0.5
S-1	PREP SINK	T.B.D.	1	3	2	2
WC-1	WATER CLOSET	KOHLER K96057 WITH ZURN Z6000PL-WS1	4	6	6.5	-
U-1	URINAL	KOHLER K-4991-ET-0	2	2	2	-
WF-1	WATER FOUNTAIN	ELKAY VRCGRN8	2	0.5	0.5	-

PLUMBING SYMBOLS

	DOMESTIC COLD WATER (CW)
	DOMESTIC HOT WATER (HW)
	DOMESTIC HOT WATER RETURN (HWR)
	VENT PIPING (V)
	SANITARY SEWER PIPING (SAN)
	BALL VALVE
	CHECK VALVE
	PIPE SIZE (FIXTURE UNIT VALUE)
	PIPE CAP
	FLUSH CLEANOUT/WALL CLEANOUT
	PIPE UP OR RISE
	PIPE DOWN OR DROP
	WATER HAMMER ARRESTOR
	FLOOR ELEVATION DETAIL 1, SHEET P-2
	VENT THROUGH ROOF



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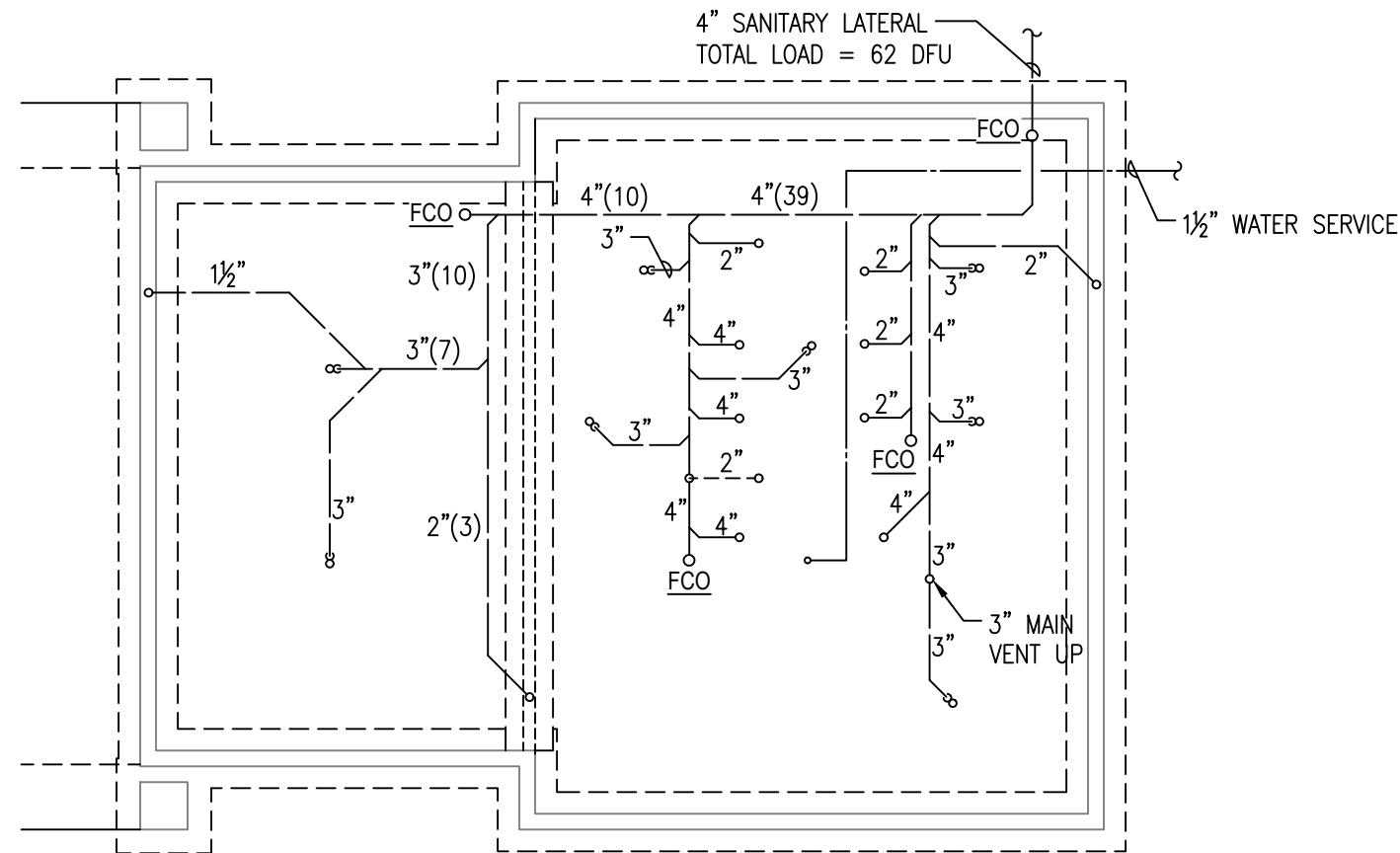
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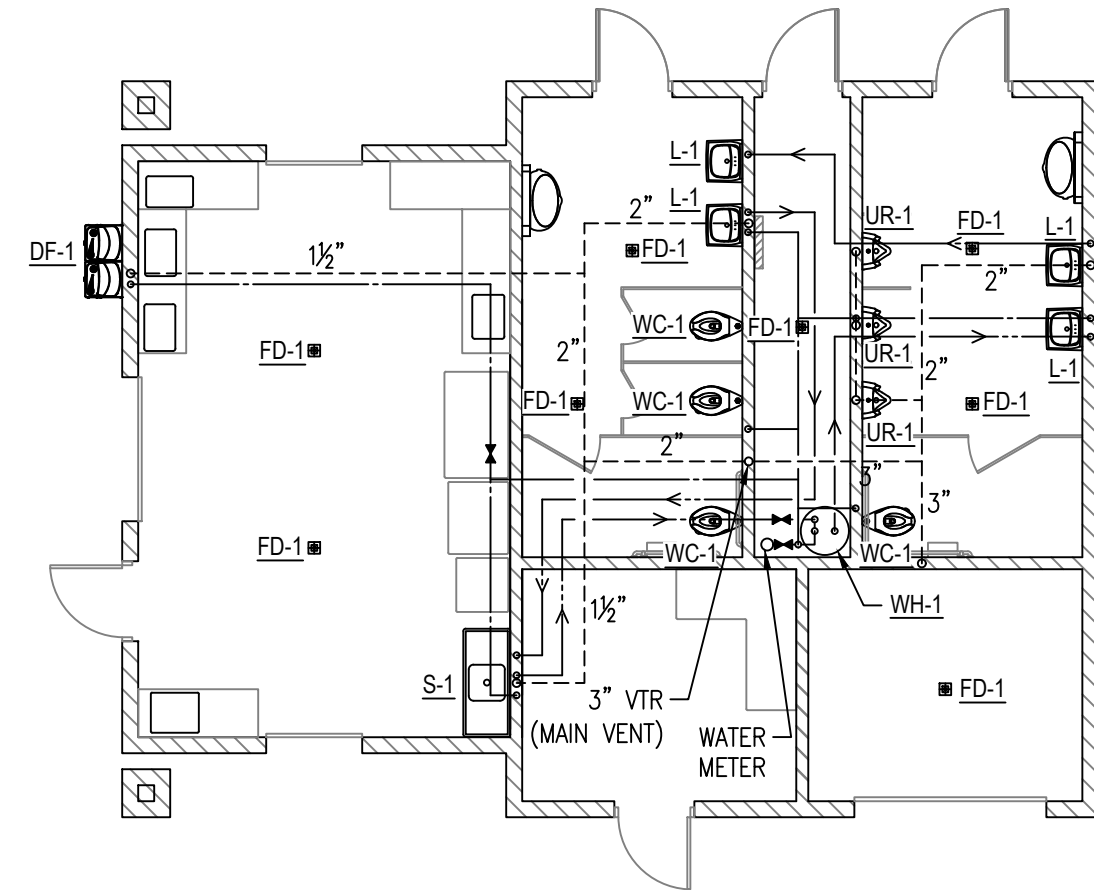
PLUMBING NOTES

DATE	REVISION	DESCR.	
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			24

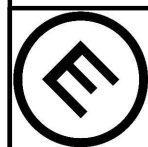
NOTES:
REFER TO ISOMETRICS FOR WATER PIPING SIZES



1 BELOW GRADE PIPING PLAN - PLUMBING  N
1/8" = 1'-0"



2 FIRST FLOOR PLAN - PLUMBING  N
1/8" = 1'-0"



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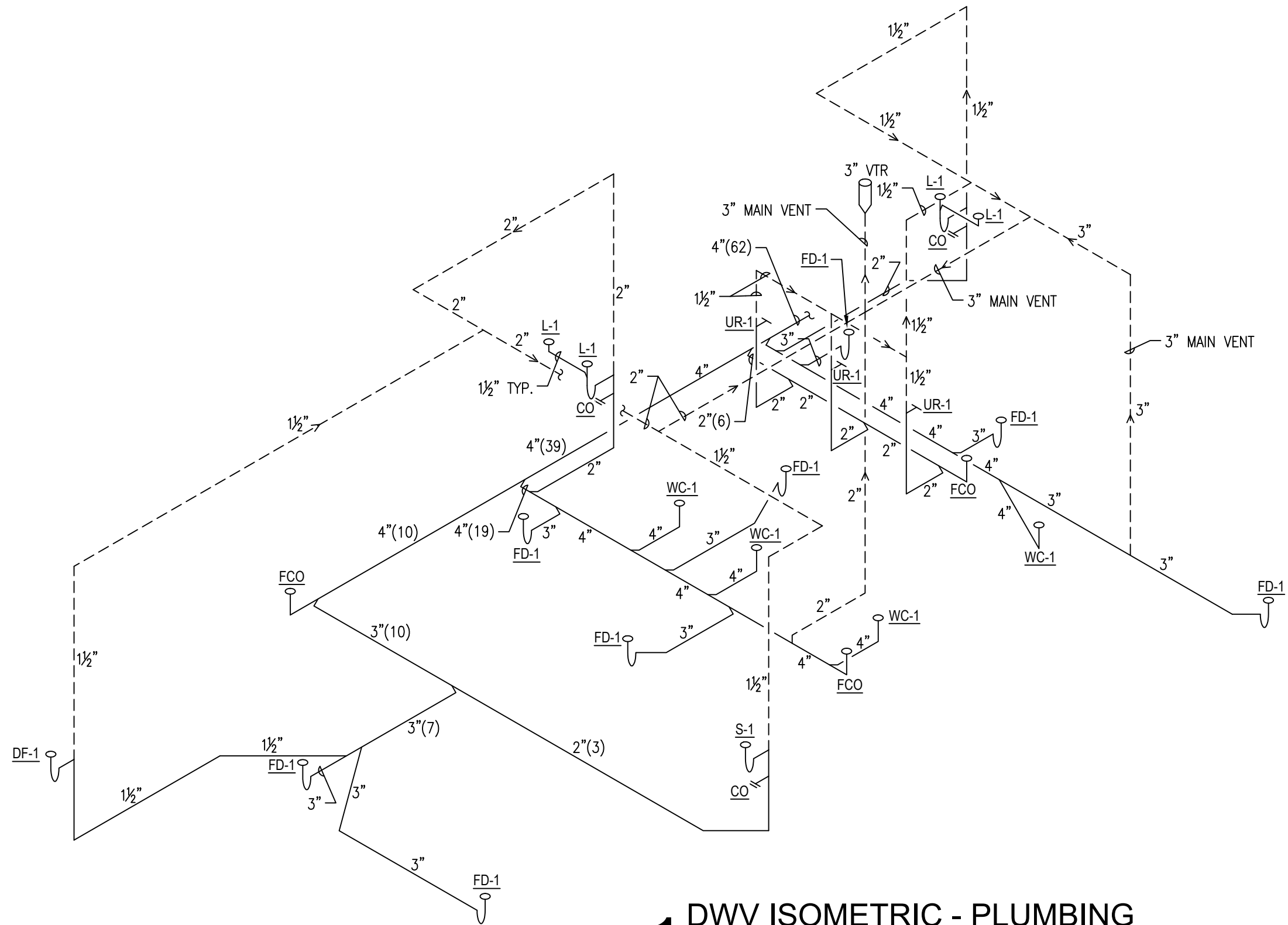
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**PLUMBING
PLANS**

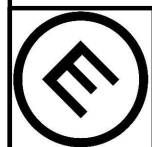
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1 DWV ISOMETRIC - PLUMBING
NO SCALE



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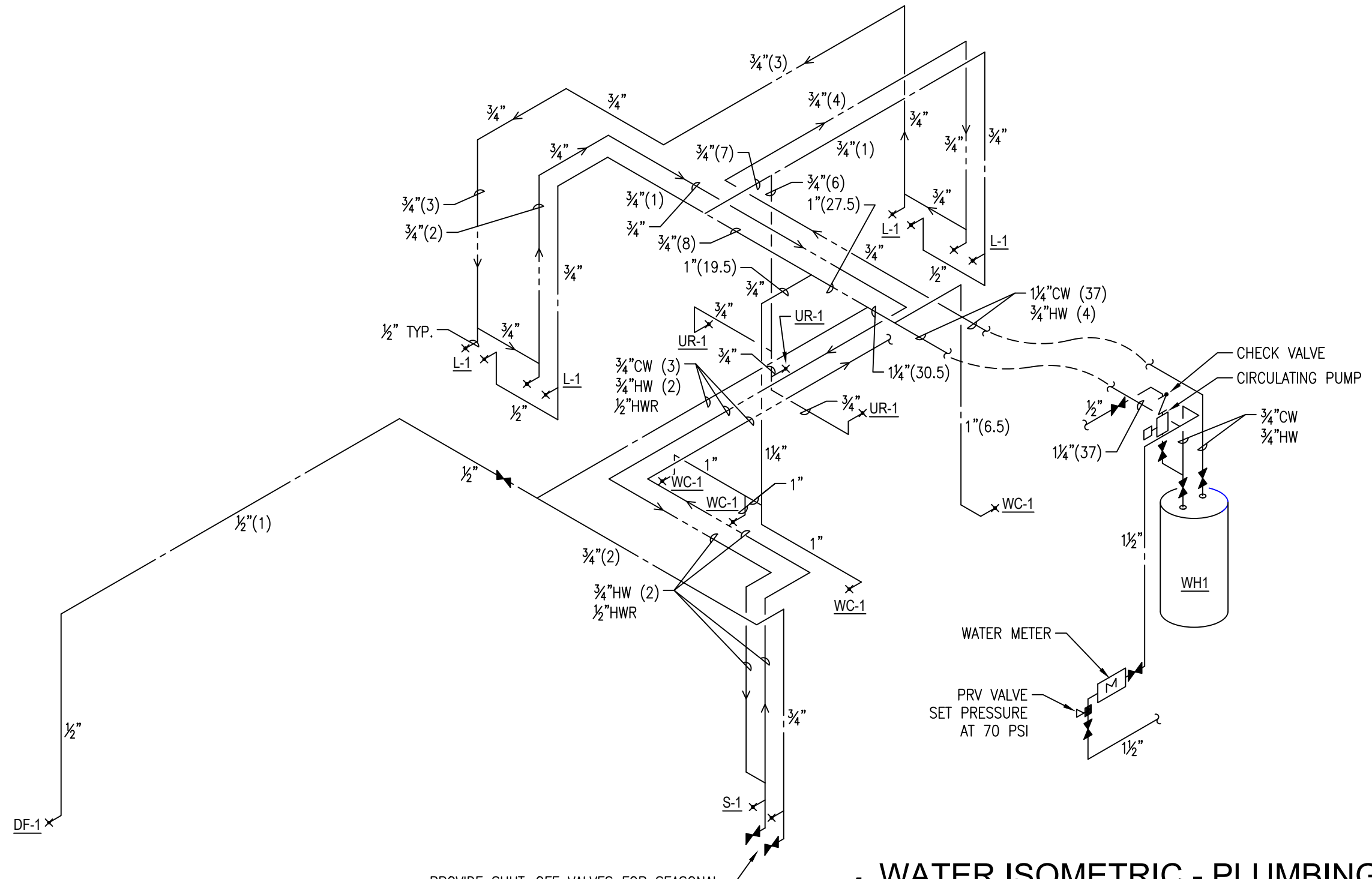
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**DWV ISO
DIAGRAM**

DATE	REVISION	DESCR.

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PROVIDE SHUT-OFF VALVES FOR SEASONAL SYSTEM DRAINAGE. FIELD VERIFY LOCATION AND AMOUNT OF LOCATIONS OF VALVES NEEDED TO COMPLETELY DRAIN SYSTEM

1 WATER ISOMETRIC - PLUMBING
NO SCALE

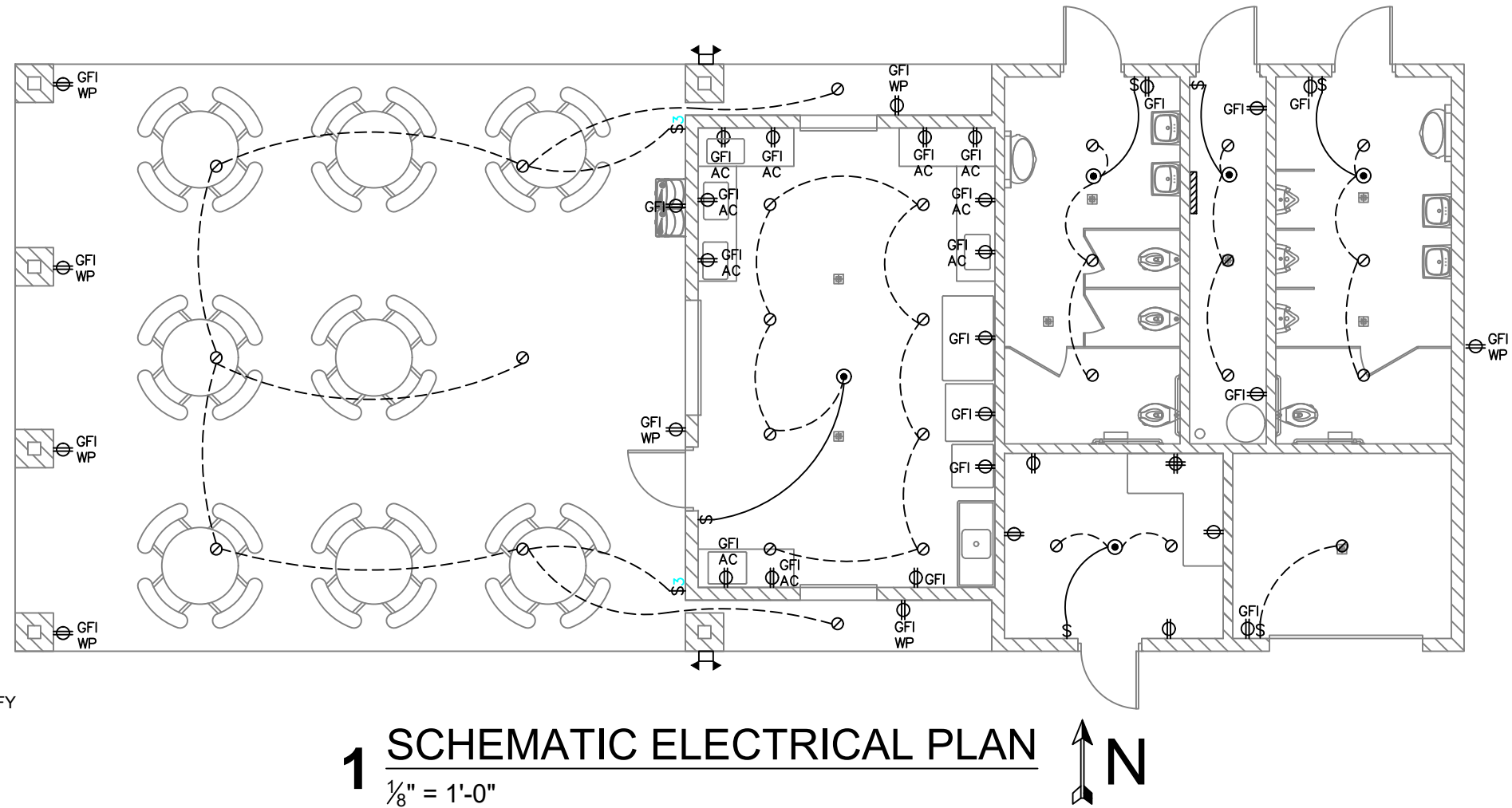
DATE	REVISION	DESCR.

ELECTRICAL FIXTURE SCHEDULE

DESCRIPTION	COUNT
CONVIENCE RECEPTACLE	22
MOTION SENSING EXTERIOR LIGHT	2
RECESSED EXTERIOR CEILING LIGHT	8
RECESS INTERIOR CEILING LIGHT	20
WATER FOUNTAINS	2
ON DEMAND WATER HEATER	1

NOTES

1. CONTRACTOR SHALL COORDINATE EXTENSION OF ELECTRICAL SERVICE TO THE NEW METER WITH UTILITY.
2. CONTRACTOR SHALL CONSTRUCT NEW METER AND NEW PANEL.
3. NEW PANEL SHALL BE SIZED FOR ALL PROPOSED LOADS AT THE NEW PARK SHELTER BUILDING.
4. CONTRACTOR SHALL EXTEND CONDUIT AND CONDUCTOR 20 FEET OUTSIDE THE PROPOSED PARK SHELTER - FIELD VERIFY DIRECTION WITH OWNER.
5. ALL RECESSED CEILING LIGHTS IN EACH BATHROOM SHALL BE CONTROLLED BY A SINGLE, MOTION-SENSING SWITCH.
6. THE LIGHT IN THE MECHANICAL ROOM SHALL BE CONTROLLED BY A SWITCH ADJACENT TO THE DOOR.
7. AT LEAST TWO CIRCUITS OF EXTERIOR RECEPTACLES SHALL BE PROVIDED FOR EACH SIDE OF THE BATHROOM STRUCTURE.



- MOTION SENSING EXTERIOR LIGHT
- MOTION SENSOR
- DUPLEX CONVIENCE RECEPTACLE
(WP = WEATHER PROOF
GFI = GROUND FAULT PROTECTED
AC = MOUNT RECEPT. AT COUNTER HEIGHT - VERIFY HGT.)
- FOUR-PLEX (DOUBLE DUPLEX) RECEPTACLE
- RECESSED CEILING LIGHT
- SWITCH
(3 = THREE-WAY)
- ELECTRICAL PANEL

1 SCHEMATIC ELECTRICAL PLAN
 $\frac{1}{8}'' = 1'-0''$