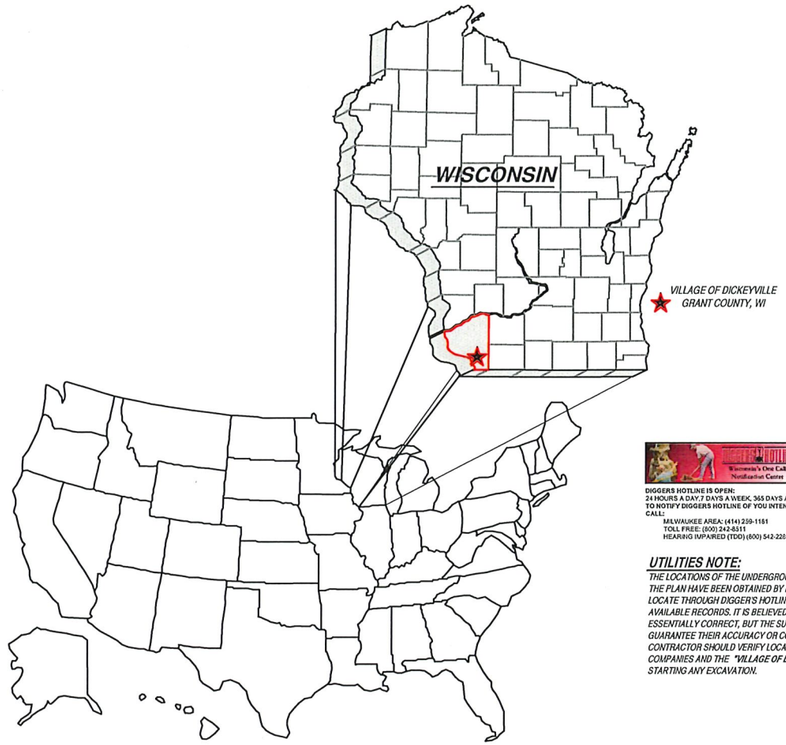


DIGGERS HOTLINE IS OPEN:
24 HOURS A DAY,7 DAYS A WEEK, 365 DAYS A YEAR!
TO NOTIFY DIGGERS HOTLINE OF YOU INTENT TO DIG CALL:
MILWAUKEE AREA: (414) 259-1181
TOLL FREE: (800) 242-8511
HEARING IMPAIRED (TDD) (800) 542-2289

UTILITIES NOTE:

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLAN HAVE BEEN OBTAINED BY FIELD CHECKS, A UTILITY LOCATE THROUGH DIGGER'S HOTLINE, AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THE SURVEYOR DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR SHOULD VERIFY LOCATIONS W/ THE UTILITY COMPANIES AND THE "VILLAGE OF DICKEYVILLE" PRIOR TO STARTING ANY EXCAVATION.



PROJECT LOCATION MAP
SCALE: N.T.S.

WISCONSIN
JORDAN D FURE
E-49226-6
PLATTEVILLE WI.
PROFESSIONAL ENGINEER

Jordan Fure
5-14-2026

PROPOSED MUNICIPAL WELL #3

OWNER: VILLAGE OF DICKEYVILLE

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SHEET TITLE:	SHEET DESCRIPTION:	DATE OF ISSUE:	DATE OF REVISION:
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M101	HVAC PLAN AND SCHEDULES	MAY 14, 2026	-
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PROJECT INFORMATION:

OWNER:

VILLAGE OF DICKEYVILLE
MR. MATT GANTENBEIN
VILLAGE PRESIDENT
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DICKEYVILLE, WI 53808
(608) 568-3333

VILLAGE OF DICKEYVILLE
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VILLAGE CLERK
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SANITARY SEWER AND WATER UTILITY:

PUBLIC WORKS DIRECTOR
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MONROE, WI 53566
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(608)-426-1715 (CELL)

WE ENERGIES
PAVING COORDINATOR
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WEST ALLIS, WI 53214
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(608) 963-3655 (CELL)

SCENIC RIVERS ENERGY COOP.
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TDS TELECOM
MR. JESSE BLOCK
140 NORTH MONROE STREET
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(608) 495-0620 (CELL)

ENGINEER:

DELTA 3
EVERY ANGLE COVERED
PROFESSIONAL CIVIL, MUNICIPAL, & STRUCTURAL ENGINEERING
GRANT WRITING • LAND DEVELOPMENT • PLANNING & CADD SERVICES
875 SOUTH CHESTNUT STREET, PLATTEVILLE, WISCONSIN 53818 — PHONE: (608) 348-5355
838 JACKSON STREET, DUBUQUE, IOWA 52001 — PHONE: (563) 542-9105

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

MR. JORDAN FURE, P.E.
DELTA 3 ENGINEERING, INC.
TELEPHONE: (608) 348-5355

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PROPOSED MUNICIPAL WELL #3
DICKEYVILLE, WISCONSIN
PROJECT LOCATION: FOUNDRY WAY
OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

REVISIONS:		
NO.	DATE	DESCRIPTION
AS-BUILT:		BY:
	-/-/----	

FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	NOT TO SCALE
DRAWN BY	N.HENIADIS, C.COYIER
DATE ISSUED	MAY 14, 2026
SHEET DESC.	TITLE SHEET & PROJECT LOCATION MAP

SHEET TITLE:
G000

SHEET NUMBER # 01 of 36

LEGEND

EX. CON. MANHOLE
EX. ECC. MANHOLE
EX. LIFT STATION
EX. CLEAN OUT
EX. FIRE HYDRANT
EX. WATER SERVICE
EX. WATER VALVE
EX. YARD HYDRANT
EX. CATCH BASIN
EX. STORM INLET
EX. NATURAL GAS VALVE
EX. NATURAL GAS METER
EX. POWER POLE
EX. LIGHT POLE
EX. WARNING SIREN
EX. TEL. PEDESTAL
EX. MAILBOX
EX. LP TANK
EX. SATELLITE DISH
Ex. POST OR POLE
EX. STREET SIGN
EX. EVERGREEN TREE
EX. DECIDUOUS TREE
EX. TREE STUMP
EX. BUSH/SHRUB
EX. TREE/BRUSH LINE
EX. WINDMILL
EX. PARK BENCH
EX. BENCHMARK
SURVEY CONTROL POINT
EX. PROPERTY PIN
R/W — RIGHT-OF-WAY
P/L — PROPERTY LINE
EASEMENT
San. Lat. — EX. SAN. S. LATERAL
6" San. S. — EX. 6" SAN. S. MAIN
8" San. S. — EX. 8" SAN. S. MAIN
10" San. S. — EX. 10" SAN. S. MAIN
12" San. S. — EX. 12" SAN. S. MAIN
15" San. S. — EX. 15" SAN. S. MAIN
EX. FLOW DIRECTION
EX. CAPPED SERVICE
EX. WATER SERVICE
4" Water — EX. 4" WATER MAIN
6" Water — EX. 6" WATER MAIN
8" Water — EX. 8" WATER MAIN
10" Water — EX. 10" WATER MAIN
12" Water — EX. 12" WATER MAIN
EX. <12" STORM SEWER
12" St. Sewer — EX. 12" STORM SEWER
15" St. Sewer — EX. 15" STORM SEWER
18" St. Sewer — EX. 18" STORM SEWER
24" St. Sewer — EX. 24" STORM SEWER
27" St. Sewer — EX. 27" STORM SEWER
30" St. Sewer — EX. 30" STORM SEWER
36" St. Sewer — EX. 36" STORM SEWER
42" St. Sewer — EX. 42" STORM SEWER
48" St. Sewer — EX. 48" STORM SEWER
EX. CURB AND GUTTER
GAS — EX. U.GRD N. GAS UTILITY
UGE — EX. U.GRD ELECTRIC UTILITY
UGCTV — EX. U.GRD CABLE TV UTILITY
TEL — EX. U.GRD TELEPHONE UTILITY
FO — EX. U.GRD FIBER OPTIC UTILITY
OHE — EX. OVERHEAD ELECTRIC
EX. FENCE
EX. RAILROAD TRACKS
99 — EX. CONTOUR
EX. DRAINAGE SWALE

PROP. SANITARY SEWER LATERAL
PROP. <6" SANITARY SEWER MAIN
PROP. 6" SANITARY SEWER MAIN
PROP. 8" SANITARY SEWER MAIN
PROP. 10" SANITARY SEWER MAIN
PROP. 12" SANITARY SEWER MAIN
PROP. 15" SANITARY SEWER MAIN
PROP. 18" SANITARY SEWER MAIN
PROP. CIPP LINER
PROP. FLOW DIRECTION
PROP. WATER SERVICE
PROP. <4" WATER MAIN
PROP. 4" WATER MAIN
PROP. 6" WATER MAIN
PROP. 8" WATER MAIN
PROP. 10" WATER MAIN
PROP. 12" WATER MAIN
PROP. 15" WATER MAIN
PROP. <12" STORM SEWER
PROP. 12" STORM SEWER
PROP. 15" STORM SEWER
PROP. 18" STORM SEWER
PROP. 24" STORM SEWER
PROP. 30" STORM SEWER
PROP. 36" STORM SEWER
PROP. 48" STORM SEWER
PROP. CURB AND GUTTER
PROP. CURB BACK OPENING
GAS — PROP. U.GRD GAS UTILITY
UGE — PROP. U.GRD ELECTRIC UTILITY
UGCTV — PROP. U.GRD CABLE TV UTILITY
UGT — PROP. U.GRD TELEPHONE UTILITY
FIBER — PROP. U.GRD FIBER OPTIC UTILITY
OHE — PROP. OVERHEAD ELECTRIC
PROP. CROSSING OF N. GAS UTILITY
PROP. UTILITY POLE
PROP. LIGHT POLE
PROP. FENCE
TEMPORARY EASEMENT
CONSTRUCTION EASEMENT
ESTIMATED DISTURBANCE LIMITS
99 — PROP. CONTOUR
PROP. DRAINAGE SWALE
PROP. SILT FENCE
PROP. EROSION CONTROL SEDIMENT LOG
PROP. PAVEMENT MARKING
PAINTED TRAFFIC ARROW
ADA PARKING DESIGNATION
10 — PARKING STALL COUNT
5'R / 0+00 — RADIUS POINT/SIZE STA. ON CENTERLINE
PROP. HANDICAP RAMP WITH DETECTABLE WARNING FIELD
SOIL BORING LOCATION
RIVER FLOW DIRECTION
PROP. 4' DIA. SANITARY MANHOLE
PROP. 5' DIA. SANITARY MANHOLE
PROP. MANHOLE CHIMNEY REHABILITATION / TOP ADJUSTMENT
PROP. SANITARY LIFT STATION

PROP. TYPE "X" CURB & GUTTER
PROP. REVERSE-PITCH CURB & GUTTER
PROP. HOT MIX ASPHALT PAVEMENT (DRIVEWAY)
PROP. 4" CONCRETE SIDEWALK
PROP. 6" CONCRETE PAVEMENT
PROP. 8" CONCRETE PAVEMENT
PROP. GRAVEL SHOULDER / DRIVEWAY
EROSION MATTING (MILD SLOPES)
EROSION MATTING (STEEP SLOPES)
PROP. REGRADING AND LANDSCAPING
PROP. RIP-RAP
PROP. STORM STRUCTURES - PROFILE
PROP. STORM PIPE(RCP) - PROFILE
PROP. STORM PIPE(CMP OR HDPE) - PROFILE
PROP. SANITARY STRUCTURE - PROFILE
PROP. WATER MAIN PIPE - PROFILE
PROP. CLAY LINER - PROFILE
PROP. SANITARY SEWER FORCE MAIN - PROFILE
PROP. SPOT REPAIR - PROFILE / PLAN VIEW
PROP. CASING PIPE - PROFILE
PROP. CLEARING AND GRUBBING
PROP. BUILDING REMOVAL
PROP. SIDEWALK REMOVAL
PROP. PRESSURE-REDUCING VALVE STATION
PROP. FIRE HYDRANT
PROP. WATER SERVICE
PROP. WATER SERVICE WITH VALVE BOX SLEEVE
PROP. WATER VALVE
PROP. WATER BEND - HORIZONTAL
PROP. WATER BEND - VERTICAL
PROP. WATER BEND <5°
PROP. WATER TEE
PROP. WATER CROSS
PROP. WATER REDUCER
PROP. MJ PLUG
PROP. 4' DIA. STORM MANHOLE
PROP. 5' DIA. STORM MANHOLE
PROP. INLET
PROP. 4' DIA. INLET
PROP. 6' DIA. INLET
PROP. 4' DIA. CATCH BASIN- W/ 2'X3' CASTING
PROP. 5' DIA. CATCH BASIN- W/ 2'X3' CASTING
PROP. 6' DIA. CATCH BASIN- W/ 2'X3' CASTING
PROP. 4'X6' CATCH BASIN W/2'X3' CASTING
PROP. CURB OPENING CASTING
PROP. 2'X3' CATCH BASIN
PROP. ADJUSTED CATCH BASIN TOP
PROP. WISDOT TYPE 8 INLET
PROP. WISDOT TYPE 9 INLET
PROP. CMP ENDWALL
PROP. RCP ENDWALL

KEY NOTES [100]:

100 PROPOSED SILT FENCE FOR EROSION CONTROL.
101 PROPOSED SEDIMENT LOG FOR EROSION CONTROL.
102 PROPOSED TRACKING PAD FOR EROSION CONTROL.
103 RE-GRADE YARD/DITCH LINE (MIN. SLOPE 1.0%).
104 PROPOSED EROSION MAT CLASS I, TYPE 'B'.
105 INSTALL TYPE 'D' INLET PROTECTION.
106 PROPOSED MAIL BOX RELOCATION.
107 ITEM TO REMAIN.
108 CONTRACTOR TO REMOVE ITEM.
200 PROPOSED SANITARY SEWER [SIZE].
201 NEW SANITARY SEWER LATERAL [SIZE].
202 REPLACE EXISTING SANITARY SEWER LATERAL.
203 RECONNECT EXISTING SANITARY SEWER LATERAL.
204 CONNECTION TO EXISTING SANITARY SEWER PIPE/STRUCTURE.
205 REMOVE EXISTING SANITARY SEWER PIPE /STRUCTURE.
206 REHABILITATE SANITARY MANHOLE; SEE TABLE 'B'.
207 SANITARY SEWER SPOT REPAIR.
208 ABANDON AND CAP EXISTING SANITARY SEWER.
209 ABANDON EXISTING SANITARY SEWER LATERAL.
210 CONTRACTOR TO FIELD VERIFY SANITARY SEWER LATERAL LOCATION/ACTIVITY AND REPLACE ACCORDING TO ENGINEER.
211 REPLACE SANITARY LATERAL W/ CLEAN OUT.
212 REPLACE SANITARY LATERAL - CONNECTION TO EXISTING SANITARY SEWER.
300 PROPOSED WATER MAIN [SIZE].
301 NEW WATER SERVICE [SIZE].
302 REPLACE EXISTING WATER SERVICE WITH 1" WATER SERVICE.
303 RECONNECT EXISTING WATER SERVICE.
304 DIRECTIONAL DRILL PROPOSED WATER SERVICE.
305 CONNECTION TO EXISTING WATER MAIN.
306 EXISTING HYDRANT TO BE REMOVED AND SALVAGED TO OWNER.
307 REMOVE EXISTING WATER MAIN VALVE BOX/STRUCTURE.
308 ADJUST EXISTING WATER MAIN VALVE BOX.
309 ABANDON, DRAIN, & CAP EXISTING WATER MAIN.
310 ABANDON EXISTING WATER SERVICE.
311 CONTRACTOR TO FIELD VERIFY WATER SERVICE LOCATION/ACTIVITY AND REPLACE ACCORDING TO ENGINEER.
312 CONTRACTOR TO PROVIDE 4" POLYSTYRENE INSULATION.
313 HYDRANT DRAIN PORT TO BE PLUGGED DUE TO HIGH WATER TABLE.
400 PROPOSED STORM SEWER [SIZE].
401 CONNECT EXISTING ROOF DRAIN TO CURB OPENING/STRUCTURE.
402 CONNECTION TO EXISTING STORM SEWER PIPE/STRUCTURE.
403 REMOVE EXISTING STORM SEWER PIPE/STRUCTURE.
404 ABANDON & CAP EXISTING STORM SEWER.
405 ADJUST EXISTING STORM STRUCTURE.
406 LARGE RIP RAP OVER FABRIC
407 FIELD VERIFY LOCATION AND DEPTH OF PIPE.
408 REHABILITATE STORM STRUCTURE; SEE TABLE 'E'.
409 PROPOSED CONCRETE FLUME.
410 NEW STORM SEWER LATERAL
411 RECONNECT STORM SEWER LATERAL
500 TREE & STUMP TO BE REMOVED (LESS THEN 12")
501 TREE & STUMP TO BE REMOVED (12" & GREATER)
502 SHRUB TO BE REMOVED.
503 CLEAR AND GRUB BRUSH LINE AS NECESSARY TO COMPLETE CONSTRUCTION. ALL CLEARING TO BE VERIFIED BY PROJECT ENGINEER.
504 REMOVE AND REINSTALL/REPLACE EXISTING LANDSCAPING, FENCE, RETAINING WALL, ETC. (IF NECESSARY).
505 REMOVE EXISTING LANDSCAPING, FENCE, RETAINING WALL, ETC.
506 POLE/PEDESTAL TO BE SECURED BY UTILITY COMPANY DURING CONSTRUCTION.
507 POLE TO BE RELOCATED BY UTILITY COMPANY.
508 GUY WIRE TO BE RELOCATED BY UTILITY COMPANY.
509 PEDESTAL TO BE RELOCATED BY UTILITY COMPANY.
510 UTILITY CONFLICT - TO BE RELOCATED/ADJUSTED BY UTILITY COMPANY.
511 POTENTIAL UTILITY CONFLICT - VERIFY WITH UTILITY COMPANY.
512 **CAUTION!** - UTILITY CROSSING.
513 PROVIDE AND INSTALL DECORATIVE LANDSCAPE ROCK.
600 REMOVE EXISTING CURB & GUTTER.
601 PROPOSED 24" CONCRETE CURB & GUTTER.
602 PROPOSED 30" CONCRETE CURB & GUTTER.
603 PROPOSED 36" CONCRETE CURB & GUTTER.
604 MATCH TO EXISTING CURB & GUTTER.
605 PROVIDE TYPE 'X' CURB.
606 PROVIDE REVERSE-PITCH CURB & GUTTER.
607 PROVIDE CURB TAPER.
608 REMOVE ASPHALT/CONCRETE/WALL/STEPS/GRAVEL.
609 PROPOSED 4" CONCRETE SIDEWALK.
610 PROPOSED 6" CONCRETE SIDEWALK/DRIVEWAY.
611 PROPOSED 6" CONCRETE PAVEMENT.
612 PROPOSED 8" CONCRETE PAVEMENT.
613 PROPOSED CONCRETE STEPS. STEP RISE HEIGHT AND STEP TREAD DEPTH SHALL MEET APPLICABLE BUILDING CODES. CONTRACTOR SHALL CONFIRM REQUIRED NUMBER OF STEPS WITH PROJECT ENGINEER PRIOR TO INSTALL.
614 PROPOSED GRAVEL SHOULDER.
615 REGRADE EXISTING GRAVEL.
616 PROPOSED GRAVEL DRIVEWAY.
617 REMOVE & REPLACE GRAVEL DRIVEWAY.
618 REMOVE GRAVEL DRIVEWAY & REPLACE WITH BITUMINOUS DRIVEWAY/APRON.
619 REMOVE & REPLACE HMA PAVEMENT.
620 REMOVE & REPLACE HMA PAVEMENT DRIVEWAY.
621 PROPOSED HMA PAVEMENT.
622 MATCH TO EXISTING EDGE PAVEMENT.
623 PROPOSED RESIDENTIAL HMA PAVEMENT DRIVEWAY.
624 PROPOSED COMMERCIAL HMA PAVEMENT DRIVEWAY.
625 REMOVE & REPLACE 4" CONCRETE SIDEWALK.
626 REMOVE & REPLACE 6" CONCRETE SIDEWALK/DRIVEWAY.
627 PROPOSED HANDICAP RAMP WITH - D. WARN. FIELD [S.F.].
628 SAW CUT PCC PAVEMENT.
629 SAW CUT HMA PAVEMENT.
630 PROPOSED BITUMINOUS WEDGE CURB.
631 PROPOSED ROAD BASE DRAINAGE SYSTEM.
632 PROPOSED GRASSED GRAVEL SHOULDER.

NOTES:

TRAFFIC CONTROL NOTE:
ALL CONTRACTORS MUST CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE REQUIREMENTS OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION. ONE LANE OF TRAFFIC MUST REMAIN OPEN DURING AND AFTER ALL CONSTRUCTION ACTIVITIES FOR EMERGENCY VEHICLE ACCESS.

STREET SIGN NOTE:
CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING, STORING, AND RESETTING ALL PERMANENT SIGNS. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING SIGNS UNTIL REMOVED. CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL TEMPORARY SIGNS THAT MAY BE REQUIRED.

TRAFFIC SIGN NOTE:
CONTRACTOR TO PROVIDE TEMPORARY TRAFFIC SIGNS FOR ANY TRAFFIC SIGNS DISTURBED DURING CONSTRUCTION. ALL DISTURBED TRAFFIC SIGNS MUST BE REPLACED AND INSTALLED AS PER LOCAL REGULATIONS AT THE COMPLETION OF THE PROJECT.

EROSION CONTROL NOTE:
CONTRACTOR TO INSTALL BACKFILL MATERIAL INTO THE EXCAVATED TRENCH AS SOON AS POSSIBLE TO IMPLEMENT EROSION CONTROL.

PROPERTY LINE AND RIGHT-OF-WAY NOTE:
ALL RIGHT-OF-WAYS AND PROPERTY LINES SHOWN ARE APPROXIMATE AND FOR ILLUSTRATIVE PURPOSES ONLY. A PROPERTY SURVEY PERFORMED BY A PROFESSIONAL LAND SURVEYOR SHOULD BE COMPLETED TO DETERMINE THE ACTUAL PROPERTY LINE AND RIGHT-OF-WAY LOCATIONS.

MAILBOX RELOCATION NOTE:
CONTRACTOR TO RELOCATE EXISTING MAILBOXES DURING CONSTRUCTION (COORDINATE AND VERIFY WITH LOCAL POSTAL SERVICE ON LOCATION). RESET BEHIND CURB AND GUTTER OR SHOULDER ACCORDING TO THE REQUIREMENTS OF THE LOCAL POSTMASTER UPON COMPLETION OF STREET CONSTRUCTION.

TREE TRIMMING NOTE:
CONTRACTOR TO PROPERLY TRIM ALL TREE BRANCHES, ROOTS, AND BUSHES DISTURBED DUE TO SANITARY SEWER, WATER SYSTEM, STORM SEWER, AND STREET CONSTRUCTION.

TREE REMOVAL NOTE:
CONTRACTOR TO CONTACT ENGINEER OR VILLAGE OF DICKEYVILLE FOR VERIFICATION PRIOR TO ANY TREE REMOVAL.

SAW CUT NOTE:
CONTRACTOR TO PROVIDE FULL DEPTH SAW CUTS AND REPLACE PAVEMENT.

UTILITIES' NOTE:
THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLAN HAVE BEEN OBTAINED BY FIELD CHECKS, A UTILITY LOCATE THROUGH DIGGER'S HOTLINE, AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THE SURVEYOR DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR SHOULD VERIFY LOCATIONS W/ THE UTILITY COMPANIES AND VILLAGE OF DICKEYVILLE PRIOR TO STARTING ANY EXCAVATION.

SANITARY SEWER LATERAL NOTE:
THE LOCATION OF EXISTING SANITARY SEWER LATERALS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION AND STATUS OF EACH SANITARY SEWER LATERAL ENCOUNTERED. ONLY ACTIVE SANITARY SEWER LATERALS SHALL BE CONNECTED TO THE NEW SANITARY SEWER MAIN.

CASTING NOTE:
ALL EXISTING MANHOLE CASTINGS AND STORM SEWER CASTINGS TO BE REMOVED AND/OR REPLACED SHALL BE SALVAGED TO THE VILLAGE OF DICKEYVILLE.

WATER SYSTEM NOTE:
CONTRACTOR TO SALVAGE EXISTING HYDRANTS TO BE REMOVED TO THE VILLAGE OF DICKEYVILLE. REMOVE EXISTING HYDRANTS TO A MINIMUM DEPTH OF 4'-0" OR SALVAGE IN WORKING CONDITION (AS SPECIFIED BY THE ENGINEER).

TRACER WIRE NOTE:
TRACER WIRE (12 GAUGE) TO BE INSTALLED WITH ALL POLYVINYL CHLORIDE (PVC) WATER MAIN.

CABLE-BOND NOTE:
ALL PROPOSED CLASS 52 DUCTILE IRON PIPE WATER MAIN TO BE CABLE-BOND.

WATER SERVICE NOTE:
CONTRACTOR TO VERIFY STATUS AND LOCATION OF EACH WATER SERVICE ENCOUNTERED. CONTRACTOR TO REPLACE ACCORDING TO ENGINEER. ONLY ACTIVE WATER SERVICES SHALL BE CONNECTED TO THE NEW WATER MAIN.

SITE RESTORATION NOTE:
CONTRACTOR WILL BE RESPONSIBLE FOR REPLACEMENT OF ALL DISTURBED PROJECT AREA COMPONENTS INCLUDING, BUT NOT LIMITED TO, EXISTING CONCRETE, BITUMINOUS PAVEMENT, GRAVEL, CULVERTS, WATER AND SANITARY SEWER SYSTEM COMPONENTS, STORM SEWER SYSTEM COMPONENTS, TREES, LAWN ORNAMENTS, FENCING, YARD LANDSCAPING, RETAINING WALLS, MAILBOXES, AND LANDSCAPE AREAS.

PROPERTY DAMAGES:
THE CONTRACTOR IS RESPONSIBLE FOR THE PRESERVATION OF ADJACENT PROPERTY AND FOR ANY DAMAGE TO THE SITE OR TO ADJACENT PROPERTY INCIDENTAL TO THE CONSTRUCTION ACTIVITIES. AFTER THE COMPLETION OF CONSTRUCTION, ANY AREAS ADJACENT TO THE CONSTRUCTION SITE DAMAGED BY THE CONTRACTOR DURING EXECUTION OF THE CONTRACT SHALL BE RESTORED TO MATCH THE PRECONSTRUCTION CONDITIONS.

DISCIPLINE	DESIGNATION
REMOVAL	R
GENERAL	G
CIVIL	C
LANDSCAPE	L
AQUATIC	AQ
ARCHITECTURAL	A
STRUCTURAL	S
ELECTRICAL	E
INSTRUMENTATION/CONTROLS	N
PROCESS	D
PLUMBING	P
HVAC /MECHANICAL	M

DISCIPLINE DESIGNATORS

TYPE	DESIGNATION
NOTES & SCHEDULES	0
PLANS	1
ELEVATIONS & DETAILS	2
CROSS-SECTIONS	3
DIAGRAMS	4

DRAWING SHEET DESIGNATION

C102
DRAWING NUMBER
DRAWING SHEET DESIGNATION
DISCIPLINE DESIGNATION (MAY HAVE MULTIPLE)

SHEET NUMBER IDENTIFICATION

ENGINEER:
DELTA 3
EVERY ANGLE COVERED
PROFESSIONAL CIVIL, MUNICIPAL, & STRUCTURAL ENGINEERING
GRANT WRITING ◆ LAND DEVELOPMENT ◆ PLANNING & CADD SERVICES
875 SOUTH CHESTNUT STREET — PHONE: (608) 348-5355
PLATTEVILLE, WISCONSIN 53818
888 JACKSON STREET — PHONE: (563) 542-4055
DUBUQUE, IOWA 52001

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:
MR. JORDAN FURE, P.E.
DELTA 3 ENGINEERING, INC.
TELEPHONE: (608) 348-5355

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PROPOSED MUNICIPAL WELL #3
DICKEYVILLE, WISCONSIN
PROJECT LOCATION: FOUNDRY WAY
DICKEYVILLE, 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808
OWNER: VILLAGE OF DICKEYVILLE, 500

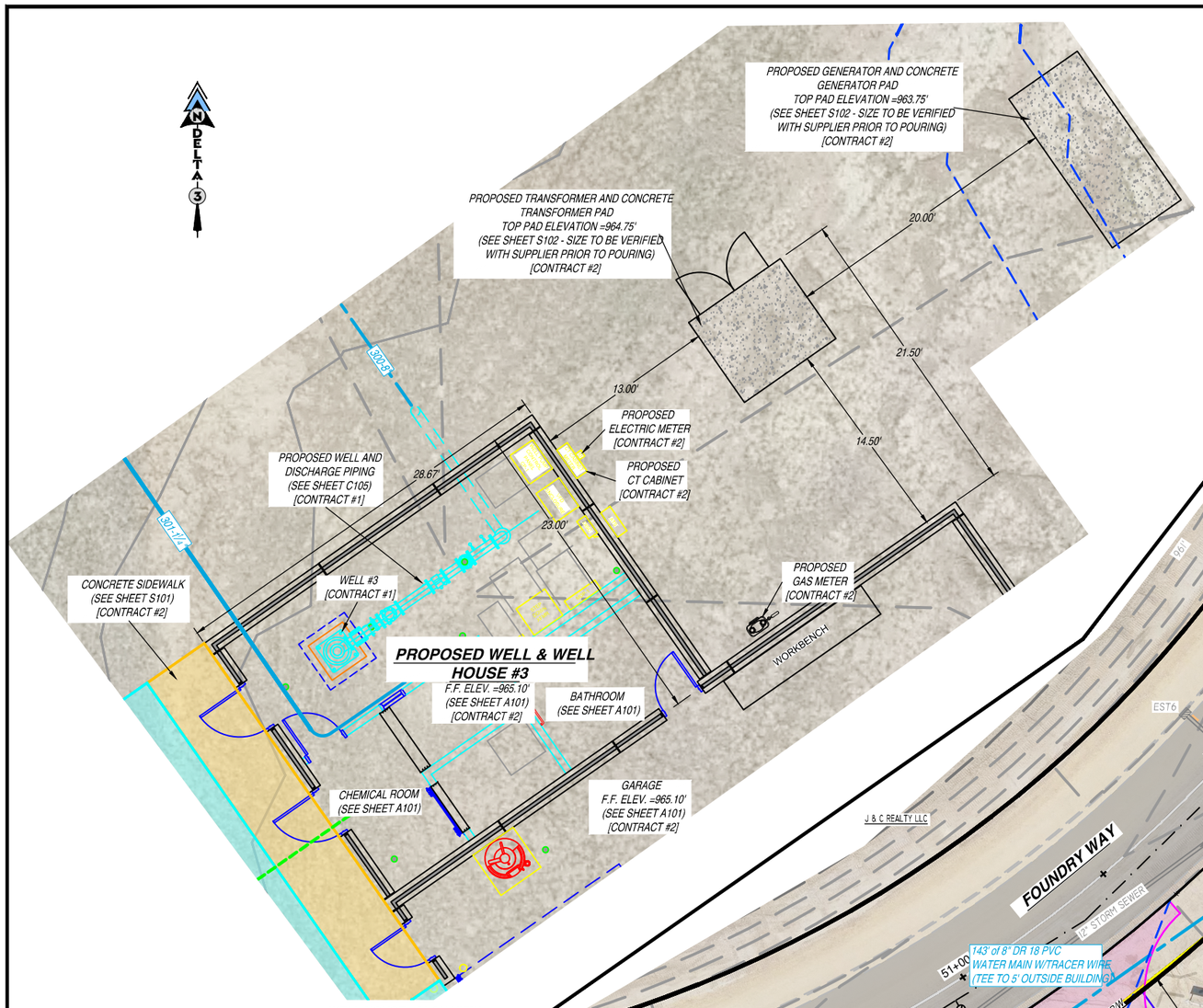
REVISIONS:		
NO.	DATE	DESCRIPTION
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FOR BID

PROJECT NUMBER	D23-124
SHEET SCALE	NOT TO SCALE
DRAWN BY	C.COYIER
DATE ISSUED	MAY 14, 2026
SHEET DESC.	LEGEND & GENERAL NOTES

SHEET TITLE:
G001

SHEET NUMBER # 02 of 36



ENGINEER:
DELTA 3
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DUBUQUE, IOWA 52001

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:
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DELTA 3 ENGINEERING, INC.
TELEPHONE: (608) 348-5355

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PROPOSED MUNICIPAL WELL #3
DICKEYVILLE, WISCONSIN

PROJECT LOCATION: *FOUNDRY WAY*
OWNER: *VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808*

REVISIONS:		
NO.	DATE	DESCRIPTION
AS-BUILT:		BY:
-/-/----		-,-----

FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	SEE BAR SCALE
DRAWN BY	C.COYIER
DATE ISSUED	MAY 14, 2026
SHEET DESC.	PLAN VIEW - SITE

SHEET TITLE:
C101

SHEET NUMBER # **03 of 36**

GENERAL NOTES:

1. THE SUPPLY AND INSTALLATION OF THE PUMP EQUIPMENT, DISCHARGE PIPING, & APPURTENANCES, ETC. SHALL BE COMPLETED IN ACCORDANCE WITH NR 811 OF THE WISCONSIN ADMINISTRATIVE CODE-SUBCHAPTER V.
2. THE MOTOR SHALL ALSO BE PROTECTED BY A TIME-DELAY IN CASE THE MOTOR IS ENERGIZED BEFORE THE PUMP STOPS BACKSPINNING. [NR 811.33]
3. ALL ABOVE GRADE PUMP DISCHARGE PIPING SHALL BE CLASS 52 FLANGED DUCTILE IRON PIPE. [NR 811.37 (2) AND NR 811.28 (5)(B)]
4. A PRELUBRICATION WATER SYSTEM SHALL BE PROVIDED WHICH SHALL INCLUDE A TIMER-CONTROLLED SOLENOID VALVE THAT WILL INITIATE LUBRICATION OF THE PUMP SHAFT BEARINGS PRIOR TO EACH PUMP STARTING AND FOR A PERIOD OF TIME FOLLOWING PUMP SHUTDOWN TO ACCOUNT FOR BACKSPINNING. THE PRELUBRICATION LINE SHALL BE 3/4". WATER SOURCE SHALL BE POTABLE WATER FROM THE MUNICIPAL WATER SYSTEM.
5. SAMPLING FAUCETS SHALL: BE INSTALLED TO TERMINATE A MINIMUM OF 12" ABOVE THE FINISH FLOOR; HAVE A DOWN-TURNED SMOOTH END SPOUT; BE CONSTRUCTED OF LEAD FREE BRASS; AND HAVE A MINIMUM SPOUT DIAMETER OF 1/4". [NR 811.37 (5) (B) 3.]
6. PROVIDE POSITIVE DRAINAGE TO ALL FLOOR DRAINS - SEE SHEET P101 .
7. FOR HEATING, VENTILATION, AND DEHUMIDIFICATION - SEE SHEET M101 AND M102 .
8. FOR LIGHTING - SEE SHEET E101 .
9. AUXILIARY POWER TO BE PROVIDED WITH AN ON-SITE STAND-BY GENERATOR TO POWER THE WELL PUMP, CHEMICAL ADDITION, MONITORING EQUIPMENT, AND LIGHTING, PROVIDE AUTO-TRANSFER SWITCH FOR GENERATOR OPERATION.
10. ALL ABOVE GROUND PIPING TO BE PAINTED IN ACCORDANCE WITH NR 811.28 (6):

WATER LINES:	RAW-	OLIVE GREEN
	FINISHED OR POTABLE-	DARK BLUE
CHEMICAL LINES:	CHLORINE-	YELLOW
	FLUORIDE-	LIGHT BLUE WITH RED BAND
WASTE LINES:	SANITARY SEWER-	DARK GRAY

CHEMICAL FEED SYSTEM NOTES:

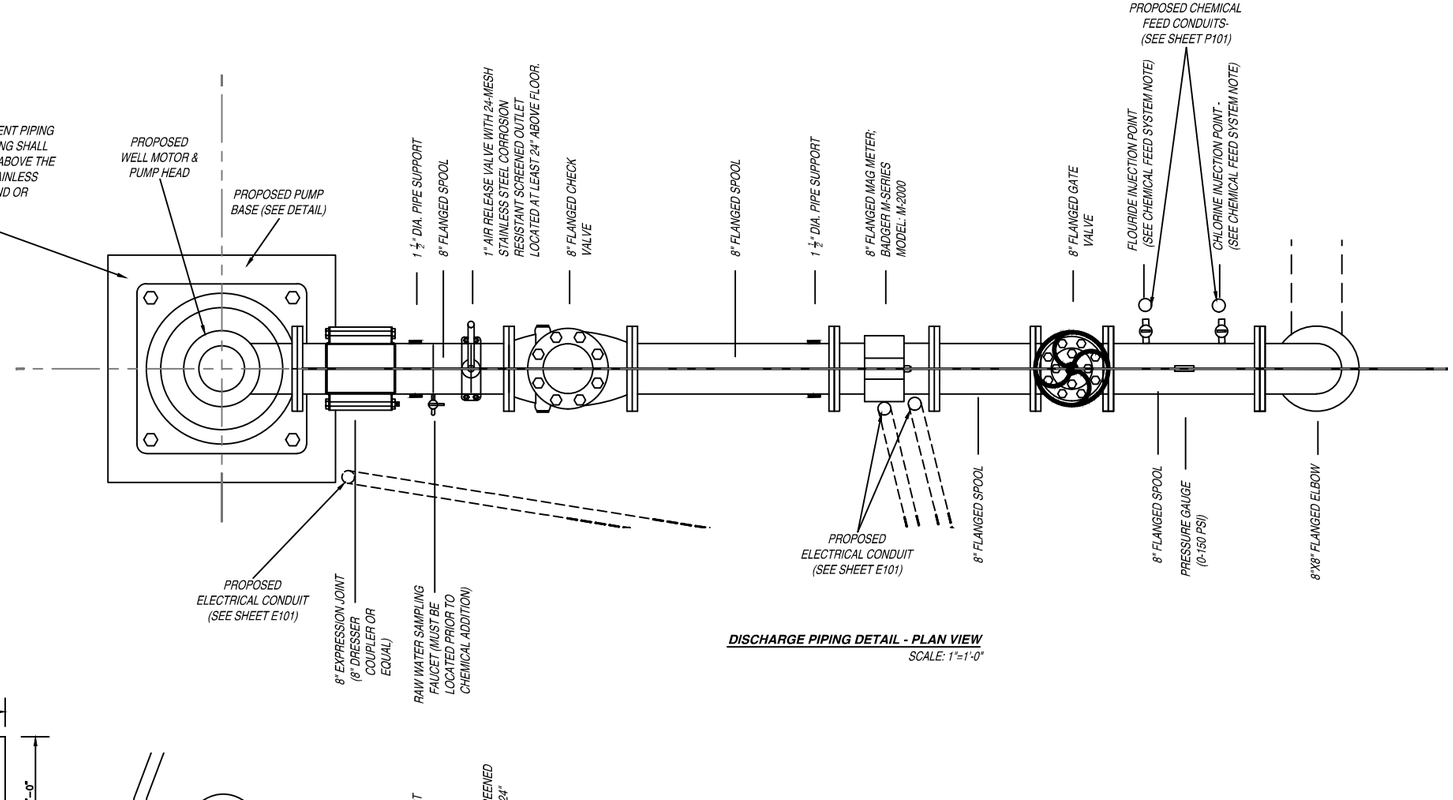
1. INSTALL TWO (2) CHEMICAL FEED PUMPS FOR USE AT WELL #3. PROVIDE TWO (2) SPARE PUMPS TO OWNER. INSTALL CHEMICAL FEED TUBING. INSTALL TWO (2) SCALES. INSTALL TWO (2) CHEMICAL CORPORATION STOPS AND REMOVABLE INJECTION NOZZLES AT THE 4 O-CLOCK POSITION - ONE (1) FOR CHLORINATION AND ONE (1) FOR FLUORIDATION; SPRING-OPPOSED DIAPHRAGM TYPE ANTI-SYPHON AND BACK PRESSURE VALVE FOR EACH CHEMICAL FEED LINE; CONDUITS FOR CHEMICAL FEED LINES; AND ANY OTHER APPURTENANCES REQUIRED. [NR 811.39 (2) (E)]
2. SODIUM HYPOCHLORITE CONTAINMENT BASIN WILL CONSIST OF 4" CONCRETE SUMP LOCATED WHERE THE CHEMICALS ARE STORED. SEE SHEET S101 . DIMENSIONS OF CONTAINMENT BASIN ARE 5'-2 3/4" X 7'-7 3/4". TOTAL VOLUME OF CONTAINMENT BASIN IS 98 GALLONS. LARGEST BARREL TO BE USED = 75 GALLONS.
3. FLOURIDE CONTAINMENT BASIN WILL CONSIST OF 4" CONCRETE SUMP LOCATED WHERE THE CHEMICALS ARE STORED. SEE SHEET S101 . DIMENSIONS OF CONTAINMENT BASIN ARE 5'-5 5/8" X 7'-11 1/2". TOTAL VOLUME OF CONTAINMENT BASIN IS 108 GALLONS. LARGEST BARREL TO BE USED = 30 GALLONS.
4. OPERATION OF THE CHEMICAL FEED PUMPS SHALL BE ELECTRICALLY-INTERLOCKED WITH THE OPERATION OF THE WELL PUMP. [NR 811.39 (4)]
5. CHEMICAL FEED LINES AND CONDUIT SHALL BE AS SHORT AS POSSIBLE IN LENGTH OF RUN, EASILY ACCESSIBLE THROUGHOUT THE ENTIRE LENGTH, AND READILY CLEANABLE. CONDUITS CARRYING CHEMICAL FEED LINES SHOULD BE COLOR CODED AS PER NR 811.28 (6).
6. GASES FROM CHEMICAL FEED TANK SHALL BE CONVEYED TO OUTSIDE ATMOSPHERE ABOVE GRADE AND REMOTE FROM AIR INTAKES. [NR 811.40 (1) (N). SEE SHEET P101 .
7. INSTALL EYE-WASH STATION AS INDICATED ON SHEET P201 .
8. ELECTRICAL COMPONENTS LOCATED IN THE CHEMICAL FEED ROOM TO BE PVC 4X CORROSION RESISTANT.

ELECTRICAL NOTES:

1. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ALL ELECTRICAL COMPONENTS IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
2. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL RELATED MATERIALS & LABOR TO PROVIDE A FULLY FUNCTIONAL FINISHED TERMINATION AT ALL REQUIRED LOCATIONS.
3. ELECTRICAL CONTRACTOR TO VERIFY ALL ELECTRICAL REQUIREMENTS & LOCATIONS WITH EQUIPMENT SUPPLIERS PRIOR TO INSTALLATION.

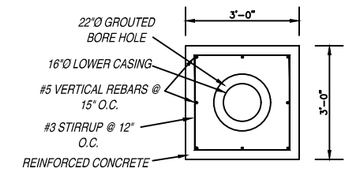
WELL HOUSE NOTES:

1. A CHLORINE RESIDUAL SHALL BE MAINTAINED THROUGHOUT WELL & WELL PUMP CONSTRUCTION OPERATIONS.
2. ALL CONTRACTORS SHALL PROVIDE TEMPORARY HOUSING AND FENCING NECESSARY TO PROTECT THE WELL FROM WEATHER AND VANDALISM DURING ALL CONSTRUCTION PHASES.

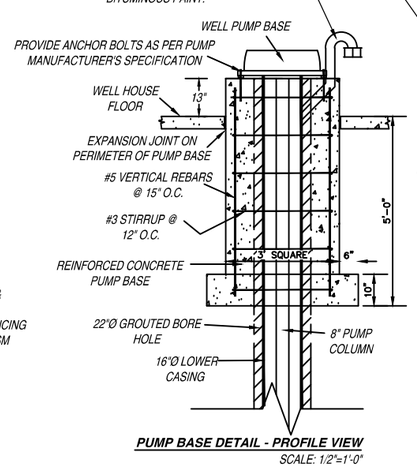


DISCHARGE PIPING DETAIL - PLAN VIEW
SCALE: 1"=1'-0"

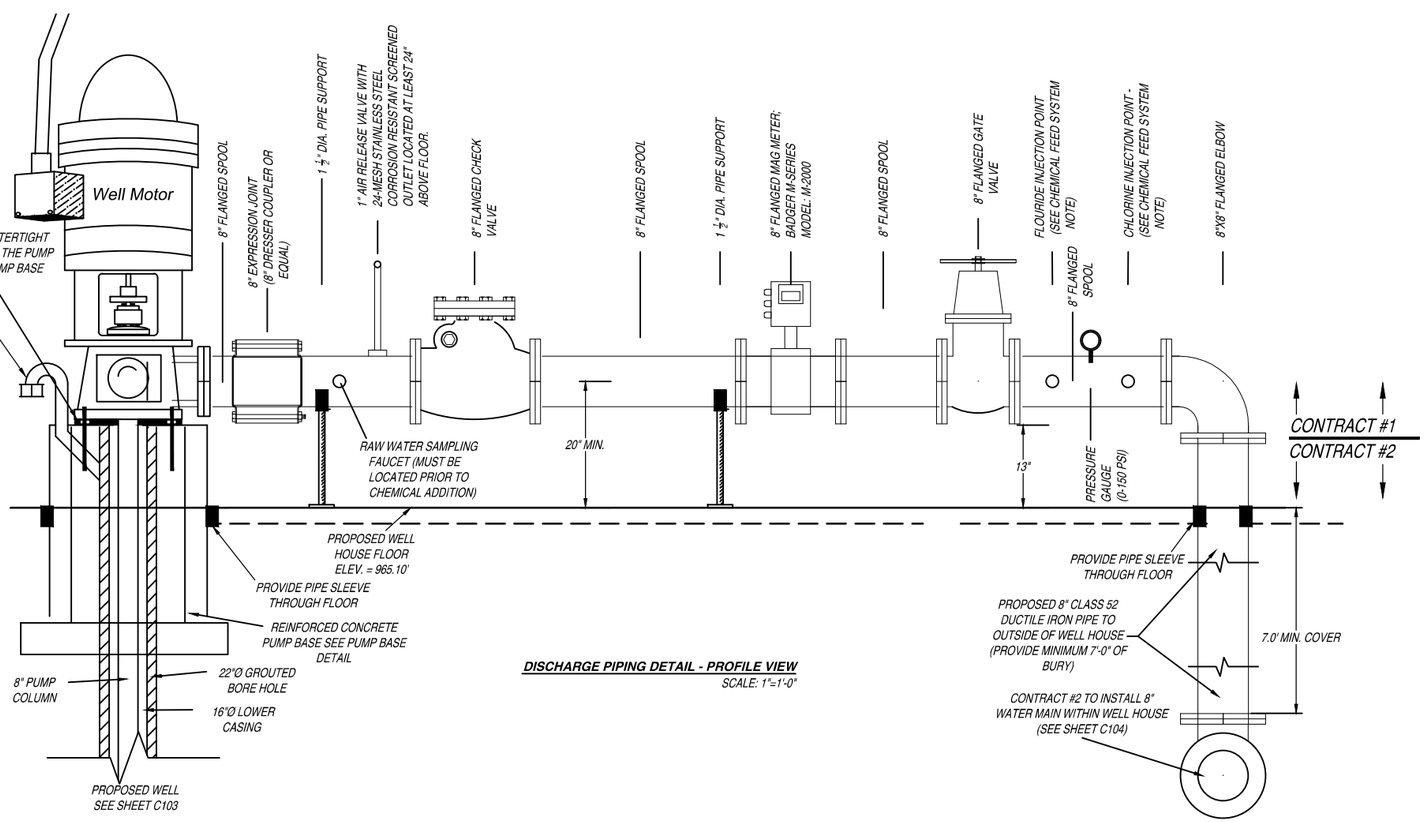
NOTE:
SEE SHEET P201 FOR LOCATION OF TREATED WATER SAMPLING



PUMP BASE DETAIL - PLAN VIEW
SCALE: 1/2"=1'-0"



PUMP BASE DETAIL - PROFILE VIEW
SCALE: 1/2"=1'-0"



DISCHARGE PIPING DETAIL - PROFILE VIEW
SCALE: 1"=1'-0"

ENGINEER:
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PLATTEVILLE, WISCONSIN 53818
898 JACKSON STREET PHONE: (563) 542-4005
DUBUQUE, IOWA 52001

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:
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TELEPHONE: (608) 348-5355

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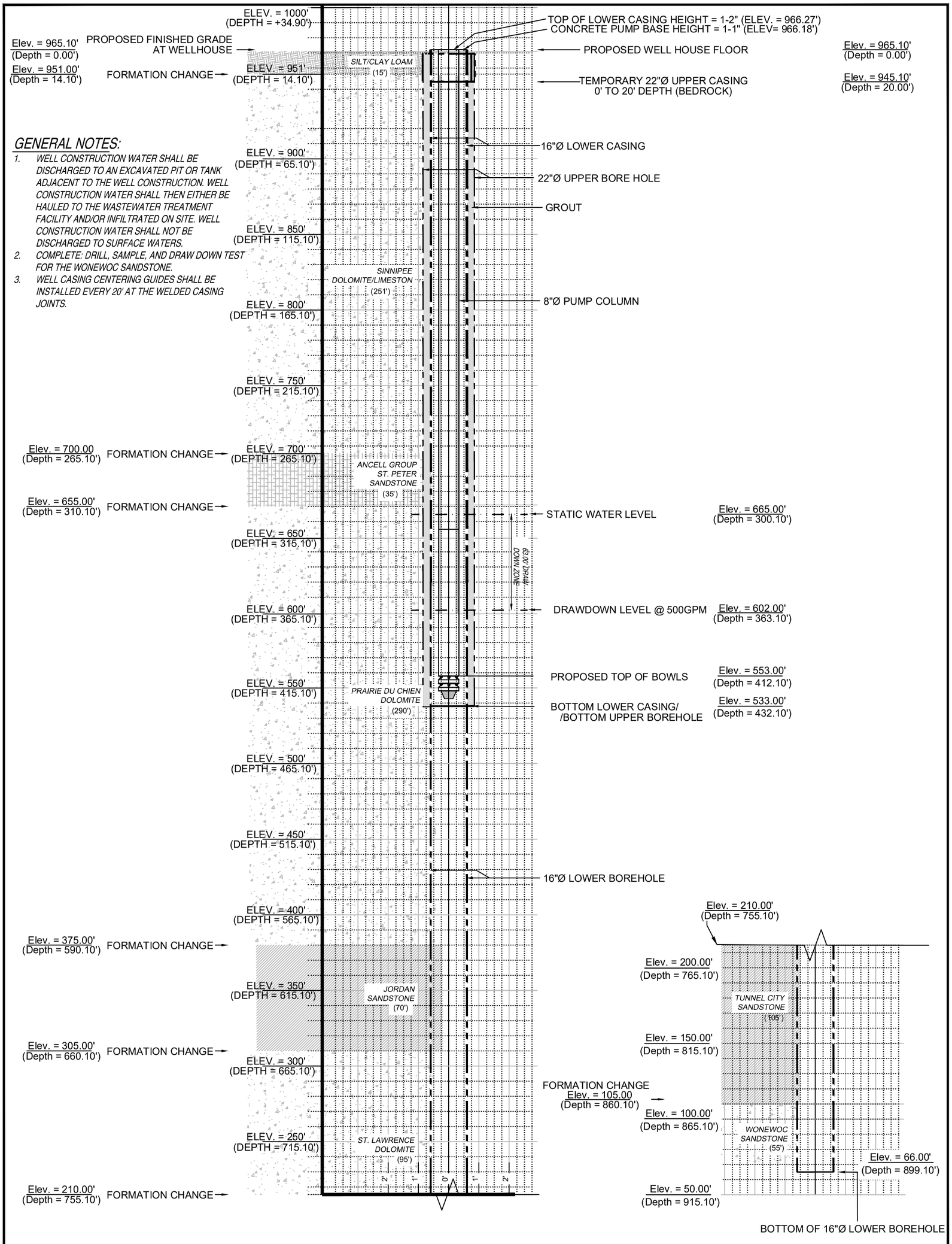
PROPOSED MUNICIPAL WELL #3
DICKEYVILLE, WISCONSIN
PROJECT LOCATION: FOUNDRY WAY
OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

REVISIONS:		
NO.	DATE	DESCRIPTION
AS-BUILT:		BY:
-/-/----		-.-----

FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	SEE BAR SCALE
DRAWN BY	CHRISTIAN BILLINGTON
DATE ISSUED	MAY 14, 2026
SHEET DESC.	CROSS-SECTION - DISCHARGE PIPING

SHEET TITLE:
C102

SHEET NUMBER # 04 of 36



ELEVATION CONVERSION
USGS (965.10') = WELL DEPTH (0')

WELL DETAIL - PROFILE VIEW
SCALE: VERT - 1" = 30'(24"X36")

SHEET TITLE: DETAIL - WELL

SHEET NUMBER: C103

SHEET 05 of 36

SHEET DESC.	FOR BID
DATE ISSUED	MAY 14, 2026
DRAWN BY	JORDAN FURE
SHEET SCALE	SEE BAR SCALE
PROJECT NUMBER	023-124

NO.	DATE	DESCRIPTION
AS-BUILT:		
BY:		

PROPOSED MUNICIPAL WELL #3

DICKEYVILLE, WISCONSIN

PROJECT LOCATION: FOUNDRY WAY

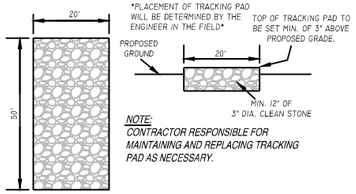
OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

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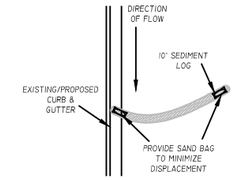
FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

ENGINEER:
DELTA 3
ENGINEERING, LLC
(608) 348-5355 • WWW.DELTA3ENGR.COM
9X DUKE DRIVE, SUITE 1 • DODGEVILLE, WI 53533
DELTA 3 ENGINEERING, LLC
SPECIAL SECTION 3 2026
PHONE: (608) 348-5355
FAX: (608) 348-5355

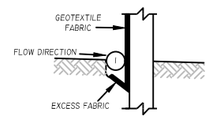


NOTE:
CONTRACTOR RESPONSIBLE FOR MAINTAINING AND REPLACING TRACKING PAD AS NECESSARY.

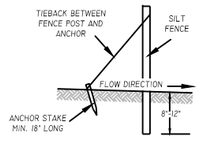
TRACKING PAD DETAIL
SCALE: N.T.S.



SEDIMENT LOG IN CURB DETAIL
SCALE: N.T.S.



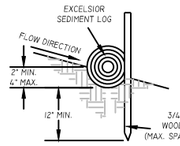
SILT FENCE - TRENCH DETAIL
SCALE: N.T.S.



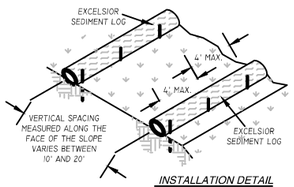
SILT FENCE - TIE BACK DETAIL
SCALE: N.T.S.

GENERAL NOTES- SILT FENCE:
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE WISDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION (MOST CURRENT EDITION) AND THE APPLICABLE SPECIAL PROVISIONS.

1. *TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.*
2. *WOOD POST SHALL BE A MINIMUM SIZE OF 1-1/8" X 1-1/8" OF OAK OR HICKORY.*



TRENCH DETAIL
SCALE: N.T.S.



INSTALLATION DETAIL
SCALE: N.T.S.

SEDIMENT LOG INSTALLATION REQUIREMENTS:
SEDIMENT LOG SPACING AND SIZING TO BE INSTALLED AS PER TABLE 1 OF INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS TECHNICAL STANDARD 1071.

Table 1

Product Height Class	Installed Height Above Grade (inches)
Class I	*Mat Products*
Class II	6-9
Class III	10-15
Class IV	16-20
Class V	>20

Table 2

	Max. Spacing (ft) per Product Class				
Slope	I	II	III	IV	V
0-2%	30	30	55	75	100
2.1-5%	25	25	40	55	75
5.1-10%	15	15	30	40	50
10.1-33%	NA	10	15	20	25
>33%	NA	5	10	15	20

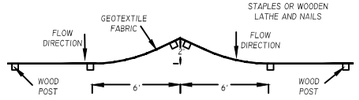
TYPE I = 20" ROLL (HEAVY DUTY CONCENTRATED FLOW)
TYPE 2 = 12" ROLL (HEAVY CONCENTRATED FLOW)
TYPE 3 = 9" ROLL (MILD CONCENTRATED FLOW)
TYPE 4 = 6" ROLL (LOW CONCENTRATED FLOW)

EROSION CONTROL SEDIMENT LOG
SCALE: N.T.S.

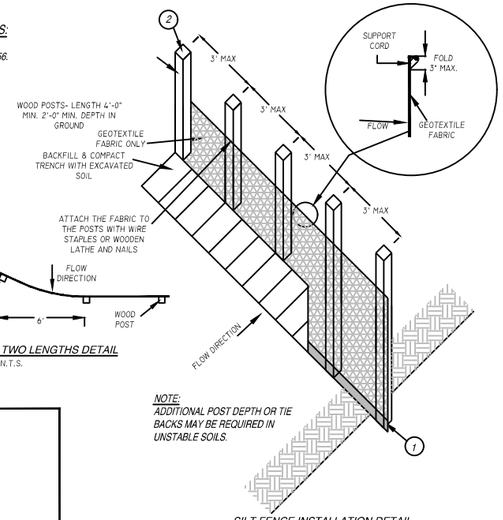
SILT FENCE INSTALLATION REQUIREMENTS:
SILT FENCE SPACING TO BE INSTALLED AS PER TABLE 1 OF SILT FENCE TECHNICAL STANDARD 1056.

Table 1.

Slope	Fence Spacing
< 2%	100 feet
2 to 5%	75 feet
5 to 10%	50 feet
10 to 33%	25 feet
> 33%	20 feet



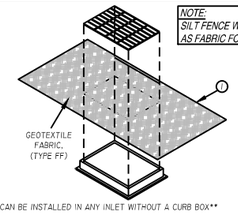
SILT FENCE - JOINING TWO LENGTHS DETAIL
SCALE: N.T.S.



NOTE:
ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS.

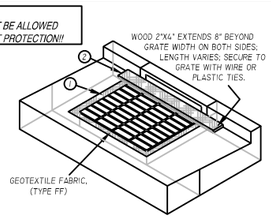
SILT FENCE INSTALLATION DETAIL
SCALE: N.T.S.

SILT FENCE DETAILS
SCALE: N.T.S.



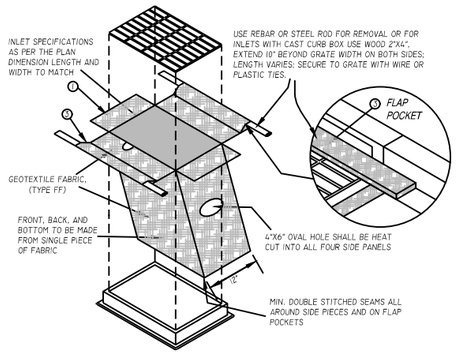
NOTE:
SILT FENCE WILL NOT BE ALLOWED AS FABRIC FOR INLET PROTECTION!!

INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)
SCALE: N.T.S.



INLET PROTECTION, TYPE C
(WITH CURB BOX)
SCALE: N.T.S.

****CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX****



INLET PROTECTION - TYPE D
(CAN BE INSTALLED IN ANY INLET WITH OR WITHOUT A CURB BOX AS PER NOTE 2)
SCALE: N.T.S.

INSTALLATION NOTES:

TYPE B & C:
TRIM EXCESS FABRIC IN THE FLOW TO WITHIN 3" OF GRATE. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D:
DO NOT INSTALL PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE. TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3", WHERE NECESSARY. THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

GENERAL NOTES- INLET PROTECTION:

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENTS EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

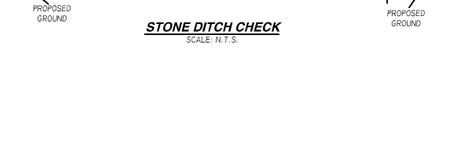
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

(1) FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MIN. OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

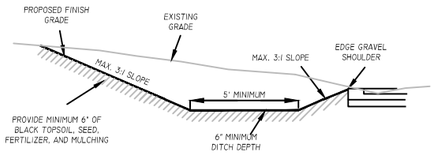
(2) FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

(3) FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2"X4".

INLET PROTECTION DETAILS
SCALE: N.T.S.



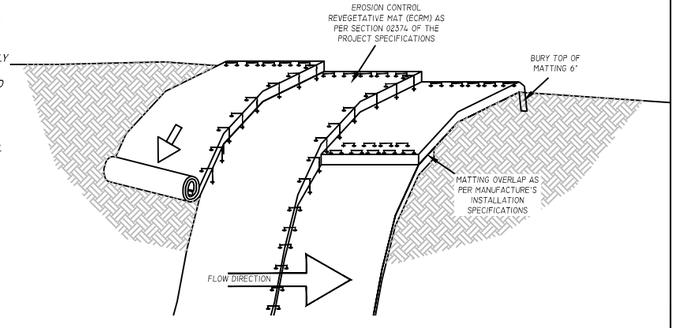
STONE DITCH CHECK
SCALE: N.T.S.



REGRADED DITCH DETAIL
SCALE: N.T.S.

EROSION MATTING NOTES:

1. *PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER AND MULCH AND SEED.*
2. *BEGIN AT THE TOP OF THE SHOULDER (OR CHANNEL) BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.*
3. *ROLL THE BLANKETS DOWN (STARTING AT DOWNSTREAM PROCEEDING UPSTREAM) HORIZONTALLY ACROSS THE SLOPE.*
4. *THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH MANUFACTURE'S RECOMENDED OVERLAP.*
5. *WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH AN OVERLAP. USE A DOUBLE ROW OF STAGGERED STAPLES 4" APART TO SECURE BLANKETS.*
6. *IN HIGH CHANNEL APPLICATIONS, A STAPLE SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A ROW OF STAPLES 4" APART OVER THE ENTIRE WIDTH OF THE CHANNEL. PLACE A SECOND ROW 4" BELOW THE FIRST ROW IN A STAGERED PATTERN.*
7. *THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.*



EROSION MATTING DETAIL
SCALE: N.T.S.

EROSION CONTROL NOTES:

1. *GENERAL EROSION NOTES AND MAINTENANCE MEASURES ARE ILLUSTRATED ON THE SITE PLAN. AFTER AWARD OF THE CONTRACT, THE GENERAL CONTRACTOR SHALL INSTALL ALL BEST MANAGEMENT PRACTICES AS SHOWN ON THE SITE PLAN. ONCE INSTALLED, THE GENERAL CONTRACTOR SHALL CONTACT DELTA 3 ENGINEERING, INC. (608-348-5355). ONCE NOTIFIED DELTA 3 ENGINEERING INC. WILL VISIT THE SITE WITHIN 5 DAYS TO REVIEW THE SITE WITH THE GENERAL CONTRACTORS SUPERINTENDENT. UPON VISITING THE SITE, THE CONSULTING ENGINEER AND THE GENERAL CONTRACTORS SUPERINTENDENT WILL REVIEW THE SITE FOR COMPLIANCE WITH THE EROSION CONTROL MEASURES. IF AND WHEN ALL BEST MANAGEMENT PRACTICES REQUIRED TO COMMENCE SITE CONSTRUCTION ARE IN PLACE, THE CONSULTING ENGINEER AND PROJECT SUPERINTENDENT WILL SIGN AND CERTIFY THIS FACT. THIS REVIEW AND CERTIFICATION SHALL TAKE PLACE PRIOR TO THE REQUIRED PRE-CONSTRUCTION MEETING. THE SITE SUPERINTENDENT SHALL MAINTAIN AN AS-BUILT COPY OF THE EROSION CONTROL MEASURES ON SITE AT ALL TIMES. ANY ACTIVITIES INVOLVING INSTALLATION OF BEST MANAGEMENT PRACTICES SHALL BE INDICATED ON THE AS-BUILT PLAN WITH AN INSTALLED TIME AND DATE. RECORDED INFORMATION SHALL BE PERMANENTLY PLACED ON THE SITE MAP INCLUDING ANY CHANGES MADE TO THE BEST MANAGEMENT PRACTICES. IF THE SITE MAP BECOMES HARD TO READ, THE INITIAL DRAWING SHALL BE SAVED AND A CLEAN COPY SHALL BE ISSUED IN ORDER TO CONTINUE RECORDING ANY ON-SITE EROSION CONTROL ACTIVITY.*
2. *A COMPLETE COPY OF ALL INSPECTION REPORTS, PLAN REVISIONS, ETC., MUST BE RETAINED AT THE PROJECT SITE AT ALL TIMES DURING DURATION OF THE PROJECT AND KEPT IN THE PERMANENT PROJECT RECORDS FOR AT LEAST FIVE YEARS FOLLOWING SUBMISSION OF THE NOTICE OF TERMINATION (NOT).*
3. *THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT ALL SUB-CONTRACTORS INVOLVED IN GROUND DISTURBING ACTIVITY COMPLY WITH THE EROSION CONTROL REQUIREMENTS.*
4. *DAILY INSPECTIONS BY THE PROJECT SUPERINTENDENT AND MONTHLY INSPECTIONS BY THE OWNER'S CONSTRUCTION MANAGER MUST BE MADE TO DETERMINE THE EFFECTIVENESS OF THE EROSION CONTROL MEASURES. THE GENERAL CONTRACTOR IS TO INSPECT EROSION AND SEDIMENT CONTROLS WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES AS NECESSARY WITHIN 24 HOURS OF INSPECTION.*
5. *ONCE THE SITE REACHES FINAL STABILIZATION, ALL PERMANENT EROSION AND SEDIMENTATION CONTROLS ARE INSTALLED AND ALL TEMPORARY EROSION AND SEDIMENTATION CONTROLS ARE REMOVED, THE GENERAL CONTRACTOR AND OWNER MUST COMPLETE A FINAL SITE INSPECTION. UPON APPROVAL BY OWNER, THE OWNER AND GENERAL CONTRACTOR, AS APPLICABLE, MUST COMPLETE AND SUBMIT A NOTICE OF TERMINATION (NOT) FORM TO BE SUBMITTED TO THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES.*
6. *A RECORD OF THE DATES WHEN MAJOR GROUND-DISTURBING ACTIVITIES OCCUR, WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE, AND WHEN STABILIZATION MEASURES ARE INITIATED MUST BE MAINTAINED UNTIL THE NOT IS FILED. CONTROLS MUST BE IN PLACE DOWN GRADIENT OF GROUND-DISTURBING ACTIVITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.*
7. *A LOG OF ALL INSPECTIONS BY FEDERAL, STATE, OR LOCAL STORM WATER OR OTHER ENVIRONMENTAL AGENCIES SHALL BE KEPT BY THE GENERAL CONTRACTOR. THE LOG SHALL INCLUDE THE DATE AND TIME OF VISIT AND WHETHER A REPORT WAS ISSUED OR WILL BE ISSUED AS A RESULT OF THE INSPECTION. ANY REPORTS ISSUED SHALL BE FAXED TO THE DELTA 3 ENGINEERING INC. 608-348-5455 (FAX).*
8. *SOIL STABILIZATION - THE PURPOSE OF SOIL STABILIZATION IS TO PREVENT SOIL FROM LEAVING THE SITE. IN THE NATURAL CONDITION, SOIL IS STABILIZED BY NATIVE VEGETATION. THE PRIMARY TECHNIQUE TO BE USED AT THIS PROJECT FOR STABILIZING SITE SOIL WILL BE TO PROVIDE A PROTECTIVE COVER OF TURF GRASS OR PAVEMENT.*
   - *(A) TEMPORARY SEEDING OR STABILIZATION - AREAS MAY BE STABILIZED TEMPORARILY WITH THE USE OF FAST-GERMINATING ANNUAL SEED, STRAW MULCH, WOOD CELLULOSE FIBERS, TACKIFIERS, NETTING OR BLANKET. WHERE CONDITIONS ARE FAVORABLE, AREAS SHALL BE TEMPORARILY STABILIZED WITHIN 7 DAYS AFTER CONSTRUCTION ACTIVITY CEASES. ALL DISTURBED GROUND WHERE THERE WILL NOT BE CONSTRUCTION FOR LONGER THAN 14 DAYS MUST BE SEEDED OR OTHERWISE STABILIZED.*
   - *(B) PERMANENT SEEDING OR SOD - ALL AREAS AT FINAL GRADE MUST BE SEEDED OR SODDED WITHIN 3 DAYS AFTER COMPLETION OF THE MAJOR CONSTRUCTION ACTIVITY. EXCEPT FOR SMALL LEVEL SPOTS, SEEDED AREAS SHOULD GENERALLY BE PROTECTED WITH MULCH. ALL AREAS TO BE SEEDED WILL ALSO HAVE TOPSOIL AND OTHER AMENDMENTS AS STATED IN WISDOT SPECIFICATION SECTION 02900-PLANTING.*
   - *(C) MULCHING - ALL AREAS THAT ARE TEMPORARY OR PERMANENT SEEDED SHALL BE MULCHED ACCORDING TO SECTION 627 - MULCHING OF THE WISDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. ALL MULCH IS TO BE ANCHORED UTILIZING METHOD A, B, OR C.*
   - *(D) EROSION CONTROL MATTING - FOR ANY SLOPES GREATER THAN 3:1, EROSION MATTING IS REQUIRED.*
9. *STRUCTURAL CONTROLS - BEFORE ANY MAJOR GRADING ACTIVITIES, THE FOLLOWING BEST MANAGEMENT PRACTICES SHALL BE INSTALLED ON THE PROPOSED SITE - SILT FENCE, SEDIMENT LOGS, TEMPORARY TRACKING PAD, AND STORM SEWER INLET PROTECTION.*
   - *(A) SILT FENCE - SILT FENCE IS A SYNTHETIC PERMEABLE WOVEN OR NON-WOVEN FABRIC TYPICALLY INCORPORATING WOODEN OR METAL SUPPORT STAKES AT INTERVALS SUFFICIENT TO SUPPORT THE FENCE, WATER, AND SEDIMENT RETAINED BY THE FENCE. SILT FENCE CAN ALSO BE INSTALLED WITH A WIRE FENCE BACKING. THE FENCE IS DESIGNED TO RETAIN SEDIMENT-LADEN WATER AND ALLOW SETTLEMENT OF SUSPENDED SOILS BEFORE THE STORM WATER FLOWS THROUGH THE FABRIC FOR DISCHARGE DOWNSTREAM. SILT FENCE SHALL BE LOCATED AS SHOWN ON SHEET C203. THE SILT FENCE TO BE INCLUDED FOR THIS PROJECT SHALL BE CONSTRUCTED PER WISCONSIN DNR TECHNICAL STANDARDS FOR SILT FENCE (CODE 1056).*
   - *(B) TEMPORARY TRACKING PAD - ALL ACCESS POINTS FROM THE PUBLIC STREET INTO THE CONSTRUCTION SITE SHALL INCLUDE A TRACKING PAD COMPOSED OF COURSE STONE TO THE DIMENSIONS SHOWN ON DETAIL SHEET (C201). ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BY STREET CLEANING (NOT FLUSHING) BEFORE THE END OF EACH WORKDAY.*
   - *(C) STORM SEWER INLET PROTECTION - CURB AND GRATED INLETS ARE PROTECTED FROM THE INTRUSION OF SILT AND SEDIMENT THROUGH A VARIETY OF SEDIMENT CONTROL PRACTICES TO ALLOW SETTLEMENT OF SUSPENDED SOILS BEFORE DISCHARGING INTO THE STORM SEWER. GRATED INLETS TYPICALLY INCLUDE A STURDY FRAME WRAPPED IN GEOTEXTILE FABRIC OR SEDIMENT LOG PERIMETER TO SLOW THE FLOW OF WATER AND ALLOW PONDING WHERE SEDIMENT MAY SETTLE OUT. CURB INLETS TYPICALLY INCLUDE SEDIMENT LOG BARRIERS HELD IN PLACE WITH GEOTEXTILE FABRIC. OTHER MANUFACTURED PRODUCTS ARE ALSO AVAILABLE. ALL STORM DRAINS SHALL BE PROTECTED BY USING STRAW BALES, SEDIMENT LOGS, FABRIC, OR EQUIVALENT BARRIER.*
10. *FINAL SITE STABILIZATION IS ACHIEVED WHEN TURF GRASS COVER PROVIDES PERMANENT STABILIZATION FOR AT LEAST 70 PERCENT OF THE DISTURBED SOIL SURFACE, EXCLUSIVE OF AREAS THAT HAVE BEEN PAVED.*
11. *OTHER POLLUTANT CONTROLS*
   - *(A) DUST CONTROL - CONSTRUCTION TRAFFIC MUST ENTER AND EXIT THE SITE AT THE STABILIZED CONSTRUCTION EXIT. THE PURPOSE IS TO TRAP DUST AND MUD THAT WOULD OTHERWISE BE CARRIED OFF-SITE BY CONSTRUCTION EQUIPMENT.*

     WATER TRUCKS OR OTHER DUST CONTROL AGENTS WILL BE USED AS NEEDED DURING CONSTRUCTION TO REDUCE DUST GENERATED ON THE SITE. DUST CONTROL MUST BE PROVIDED BY THE GENERAL CONTRACTOR TO A DEGREE THAT IS ACCEPTABLE TO THE OWNER'S CONSTRUCTION MANAGER, AND IN COMPLIANCE WITH APPLICABLE LOCAL AND STATE DUST CONTROL REGULATIONS. AFTER CONSTRUCTION, THE SITE WILL BE STABILIZED (AS DESCRIBED ELSEWHERE), WHICH WILL REDUCE THE POTENTIAL FOR DUST GENERATION.
   - *(B) SOLID WASTE DISPOSAL - NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, ARE ALLOWED TO BE DISCHARGED FROM THE SITE WITH STORM WATER. ALL SOLID WASTE, INCLUDING DISPOSABLE MATERIALS INCIDENTAL TO THE MAJOR CONSTRUCTION ACTIVITIES, MUST BE COLLECTED AND PLACED IN CONTAINERS. THE CONTAINERS WILL BE EMPTIED AS NECESSARY BY A CONTRACT TRASH DISPOSAL SERVICE AND HAULED AWAY FROM THE SITE. THE LOCATION OF SOLID WASTE RECEPTACLES SHALL BE SHOWN AND APPROVED BY THE OWNER.*

     SUBSTANCES THAT HAVE THE POTENTIAL FOR POLLUTING SURFACE AND/OR GROUNDWATER MUST BE CONTROLLED BY WHATEVER MEANS NECESSARY IN ORDER TO ENSURE THAT THEY DO NOT DISCHARGE FROM THE SITE. FOR EXAMPLE, SPECIAL CARE MUST BE EXERCISED DURING EQUIPMENT FUELING AND SERVICING OPERATIONS. IF A SPILL OCCURS, IT MUST BE CONTAINED AND DISPOSED SO THAT IT WILL NOT FLOW FROM THE SITE OR ENTER GROUNDWATER, EVEN IF THIS REQUIRES REMOVAL, TREATMENT, AND DISPOSAL OF SOIL. IN THIS REGARD, POTENTIALLY POLLUTING SUBSTANCES SHOULD BE HANDLED IN A MANNER CONSISTENT WITH THE IMPACT THEY REPRESENT.
   - *(C) SANITARY FACILITIES - ALL PERSONNEL INVOLVED WITH CONSTRUCTION ACTIVITIES MUST COMPLY WITH STATE AND LOCAL SANITARY OR SEPTIC SYSTEM REGULATIONS. TEMPORARY SANITARY FACILITIES MUST BE PROVIDED AT THE SITE THROUGHOUT THE CONSTRUCTION PHASE. THEY MUST BE UTILIZED BY ALL CONSTRUCTION PERSONNEL AND MUST BE SERVICED BY A COMMERCIAL OPERATOR.*
   - *(D) WATER SOURCE - NON-STORM WATER COMPONENTS OF SITE DISCHARGE MUST BE CLEAN WATER. WATER USED FOR CONSTRUCTION WHICH DISCHARGES FROM THE SITE MUST ORIGINATE FROM A PUBLIC WATER SUPPLIER, OR PRIVATE WELL APPROVED BY THE STATE HEALTH DEPARTMENT. WATER USED FOR CONSTRUCTION THAT DOES NOT ORIGINATE FROM AN APPROVED PUBLIC SUPPLY MUST NOT DISCHARGE FROM THE SITE. IT CAN BE RETAINED IN THE PONDS UNTIL IT INFILTRATES AND EVAPORATES.*
   - *(E) CONCRETE WASTE FROM CONCRETE READY-MIX TRUCKS - DISCHARGE OF EXCESS OR WASTE CONCRETE AND/OR WASH WATER FROM CONCRETE TRUCKS WILL BE ALLOWED ON THE CONSTRUCTION SITE, BUT ONLY IN SPECIFICALLY DESIGNATED DIKED AREAS PREPARED TO PREVENT CONTACT BETWEEN THE CONCRETE AND/OR WASH WATER AND STORM WATER THAT WILL BE DISCHARGED FROM THE SITE. ALTERNATIVELY, WASTE CONCRETE CAN BE PLACED INTO FORMS TO MAKE RIP-RAP OR OTHER USEFUL CONCRETE PRODUCTS. THE CURED RESIDUE FROM THE CONCRETE WASHOUT DIKED AREAS SHALL BE DISPOSED IN ACCORDANCE WITH APPLICABLE STATE AND FEDERAL REGULATIONS. THE JOB SITE SUPERINTENDENT IS RESPONSIBLE FOR ASSURING THAT THESE PROCEDURES ARE FOLLOWED.*
   - *(F) FUEL TANKS - TEMPORARY ON-SITE FUEL TANKS FOR CONSTRUCTION VEHICLES SHALL MEET ALL STATE AND FEDERAL REGULATIONS. TANKS SHALL HAVE APPROVED SPILL CONTAINMENT WITH THE CAPACITY REQUIRED BY THE APPLICABLE REGULATIONS. THE TANK SHALL BE IN SOUND CONDITION FREE OF RUST OR OTHER DAMAGE WHICH MIGHT COMPROMISE CONTAINMENT. HOSES, VALVES, FITTINGS, CAPS, FILLER NOZZLES, AND ASSOCIATED HARDWARE SHALL BE MAINTAINED IN PROPER WORKING CONDITION AT ALL TIMES.*
12. *MINIMIZING EROSION AND RUNOFF DURING TRENCH OPERATIONS*
   - *(A) EXCAVATED TRENCH MATERIALS SHALL BE PLACED ON THE UPPER SIDE OF THE TRENCH WHILE THE TRENCH IS OPEN.*
   - *(B) EXCAVATED TRENCH MATERIAL, UPON COMPLETING WORK IN TRENCH, SHALL BE PLACED BACK IN THE TRENCH OR HAULED AWAY TO A PROPER SPOIL SITE. THE TRENCH SHALL BE BACKFILLED AND STABILIZED AT THE END OF EACH WORKING DAY.*

ENGINEER:
DELTA 3
EVERY ANGLE COVERED
PROFESSIONAL CIVIL, MUNICIPAL & STRUCTURAL ENGINEERING
GRANT WRITING ▪ LAND DEVELOPMENT ▪ PLANNING & CADD SERVICES
875 SOUTH CHESTNUT STREET PHONE: (608) 348-5355
PLATTEVILLE, WISCONSIN 53818
898 JACKSON STREET PHONE: (563) 547-3005
DUBUQUE, IOWA 52001

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:
MR. JORDAN FURE, P.E.
DELTA 3 ENGINEERING, INC.
TELEPHONE: (608) 348-5355

CONSENT STATEMENT
ALL RIGHTS RESERVED. AND NO REPRODUCTION WITHOUT CONSENT. ALL DRAWINGS, SPECS., REPORTS, DATA, AND OTHER DOCUMENTS CONTAINED ON THIS PLAN SHEET ARE CREATED BY AND FOR DELTA 3 ENGINEERING AND THEIR CLIENTS' USE. USE, REPRODUCTION, OR DISTRIBUTION OF ANY CONTENT HEREIN, IN ANY FORM, WHETHER PRINTED, ELECTRONIC, OR OTHERWISE, REQUIRES THE EXPLICIT WRITTEN PERMISSION OF THE OWNER.

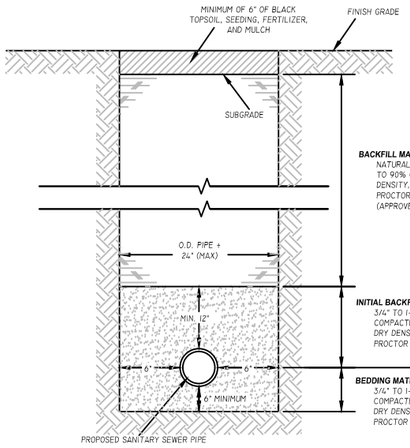
PROPOSED MUNICIPAL WELL #3
DICKEYVILLE, WISCONSIN
PROJECT LOCATION: FOUNDRY WAY
OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

REVISIONS:		
NO.	DATE	DESCRIPTION
AS-BUILT:		BY:
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FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	NOT TO SCALE
DRAWN BY	C. COYIER
DATE ISSUED	MAY 14, 2026
SHEET DESC.	DETAILS - EROSION CONTROL & NOTES

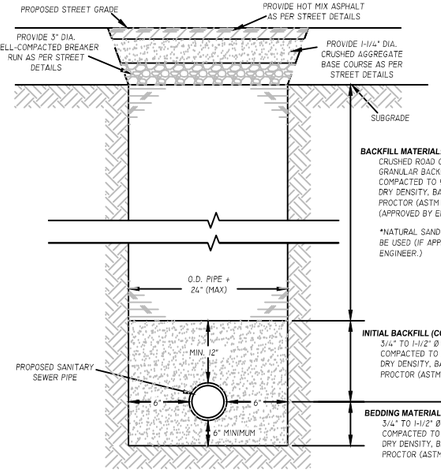
SHEET TITLE:
C201

SHEET NUMBER # **06 of 36**



TYPICAL TRENCH AND BEDDING DETAIL - SANITARY SEWER

(NOT LOCATED UNDER STREET, PARKING LOT, ETC.)
SCALE: N.T.S.



TYPICAL TRENCH AND BEDDING DETAIL - SANITARY SEWER

(LOCATED UNDER STREET, PARKING LOT, ETC.)
SCALE: N.T.S.



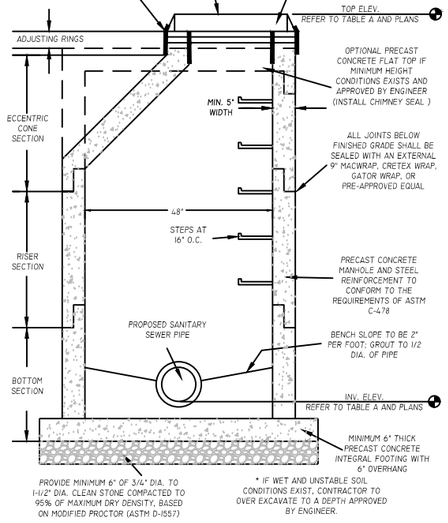
PROVIDE A RUBBER SLEEVE TO SEAL THE OUTSIDE OF THE CHIMNEY AREA FROM THE MANHOLE FRAME DOWN TO THE CORBEL, AS PER TABLE A (CONTRACTOR TO INSTALL AFTER CURB AND GUTTER INSTALLATION OR PLACEMENT OF HOT MIX ASPHALT PAVEMENT AS APPLICABLE)

NOTE: *TOP OF CASTING TO BE PLACED 3/8" - 1/2" BELOW FINISHED SURFACE*

NEENAH MANHOLE CASTING TO BE AS PER TABLE A

MANHOLE FLOOR DETAIL

SCALE: N.T.S.



NOTES:

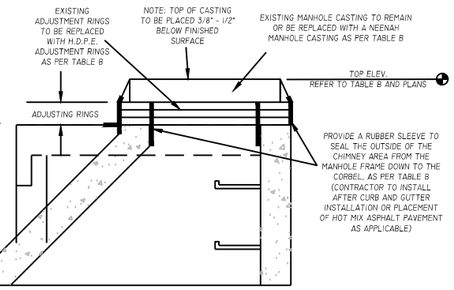
1. ***ADJUSTING RINGS*** *- MINIMUM RING HEIGHT= 1"; MAXIMUM RING HEIGHT= 6"; RINGS TO BE HIGH-DENSITY POLYETHYLENE (H.D.P.E.) ADJUSTING RINGS BY LADTECH, INC. OR PRE-APPROVED EQUAL.*
2. ***MANHOLE STEPS*** *- STEPS SHALL BE FABRICATED OF 1/2" DIA. GRADE 60 STEEL REINFORCEMENT WITH POLYETHYLENE PLASTIC COVERING BY M.A. INDUSTRIES, OR EQUAL. MANHOLE STEPS SHALL CONFORM TO ASTM C-478 AND AASHTO M-199.*
3. ***PIPE CONNECTIONS*** *- PROVIDE A PRESS-SEAL PSX BOOT OR PRE-APPROVED EQUAL FOR ALL PIPE CONNECTIONS TO THE MANHOLE.*
4. ***MANHOLE JOINTS*** *- JOINTS SHALL BE WATER TIGHT AND SHALL BE MADE USING RUBBER GASKETS OR BUTYL SEALANT.*
5. ***STRUCTURE BACKFILL MATERIAL*** *- PROVIDE A MINIMUM OF 12" OF CRUSHED ROAD GRAVEL OR GRANULAR BACKFILL MATERIAL COMPACTED TO 95% OF MAXIMUM DRY DENSITY, BASED ON MODIFIED PROCTOR (ASTM D-1557) AROUND ALL SIDES OF MANHOLE.*

PRECAST CONCRETE MANHOLE DETAIL

SCALE: N.T.S.

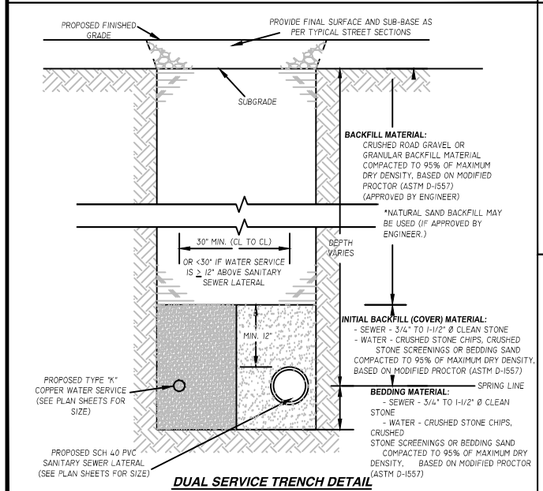
NOTES:

1. ***ADJUSTING RINGS:*** *MINIMUM RING HEIGHT= 1"; MAXIMUM RING HEIGHT= 6"; RINGS TO BE HIGH-DENSITY POLYETHYLENE (H.D.P.E.) ADJUSTING RINGS BY LADTECH, INC. OR PRE-APPROVED EQUAL. RINGS TO BE SEALED WITH BUTYL SEALANT.*
2. ***BACKFILL MATERIAL:*** *CRUSHED ROAD GRAVEL OR GRANULAR BACKFILL MATERIAL COMPACTED TO 95% OF MAXIMUM DRY DENSITY, BASED ON MODIFIED PROCTOR (ASTM D-1557) (APPROVED BY ENGINEER). *NATURAL SAND BACKFILL MAY BE USED (IF APPROVED BY ENGINEER).*



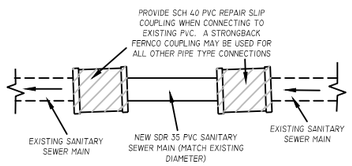
MANHOLE CHIMNEY REHABILITATION DETAIL

SCALE: N.T.S.



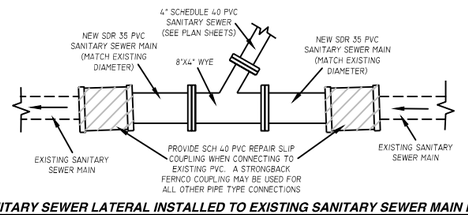
DUAL SERVICE TRENCH DETAIL

SCALE: N.T.S.



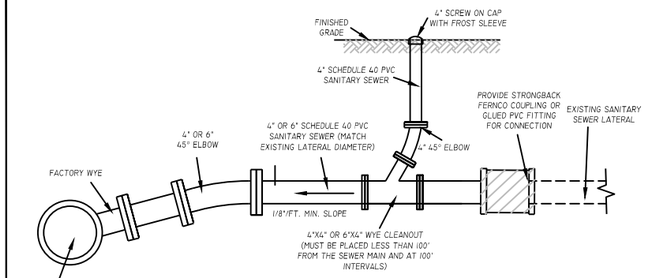
SANITARY SEWER MAIN SPOT REPAIR/CONNECTION DETAIL

SCALE: N.T.S.



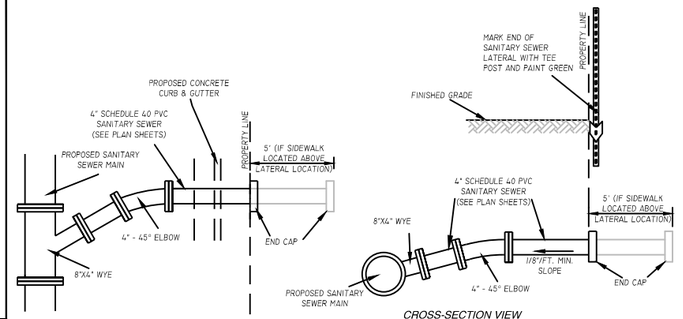
SANITARY SEWER LATERAL INSTALLED TO EXISTING SANITARY SEWER MAIN DETAIL

SCALE: N.T.S.



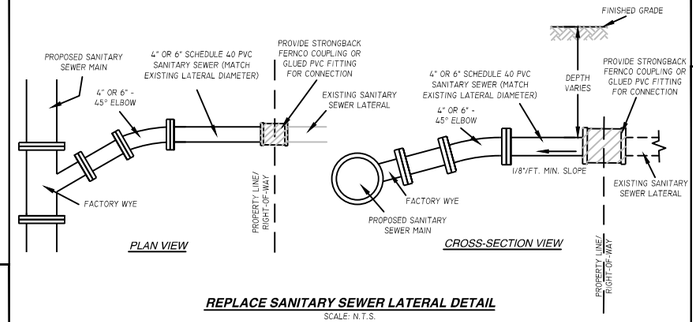
REPLACE SANITARY SEWER LATERAL AND INSTALL CLEANOUT DETAIL

SCALE: N.T.S.



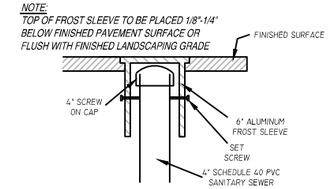
NEW 4" SANITARY SEWER LATERAL DETAIL

SCALE: N.T.S.



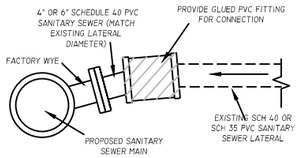
REPLACE SANITARY SEWER LATERAL DETAIL

SCALE: N.T.S.



SANITARY CLEANOUT FROST SLEEVE DETAIL

SCALE: N.T.S.

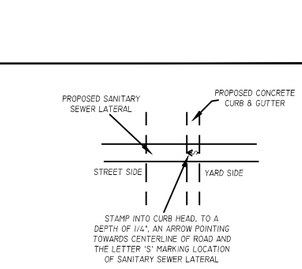


RECONNECT SANITARY SEWER LATERAL DETAIL

SCALE: N.T.S.

NOTES:

1. *DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE WISDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION (MOST CURRENT EDITION) AND THE APPLICABLE SPECIAL PROVISIONS.*
2. *THE LOCATION OF EXISTING SANITARY SEWER LATERALS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION AND STATUS OF EACH SANITARY SEWER LATERAL ENCOUNTERED. ONLY ACTIVE SANITARY SEWER LATERALS SHALL BE RECONNECTED TO THE SANITARY SEWER MAIN.*



SEWER LATERAL MARKING DETAIL

SCALE: N.T.S.

ENGINEER:

DELTA 3
EVERY ANGLE COVERED
PROFESSIONAL CIVIL, MUNICIPAL & STRUCTURAL ENGINEERING
GRANT MAPPING • LAND DEVELOPMENT • PLANNING & CADD SERVICES
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PLATTEVILLE, WISCONSIN 53818
898 JACKSON STREET PHONE: (563) 547-3005
DUBUQUE, IOWA 52001

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

MR. JORDAN FURE, P.E.
DELTA 3 ENGINEERING, INC.
TELEPHONE: (608) 348-5355

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PROPOSED MUNICIPAL WELL #3

DICKEYVILLE, WISCONSIN

PROJECT LOCATION: FOUNDRY WAY

OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

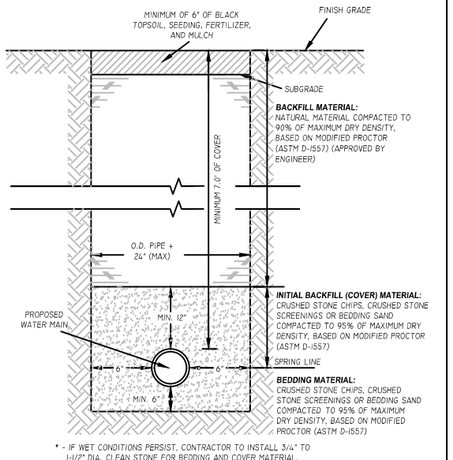
REVISIONS:		
NO.	DATE	DESCRIPTION
AS-BUILT:		BY:
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FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	NOT TO SCALE
DRAWN BY	C. COYIER
DATE ISSUED	MAY 14, 2026
SHEET DESC.	DETAILS - SANITARY SEWER

SHEET TITLE:

C202

SHEET NUMBER # 07 of 36

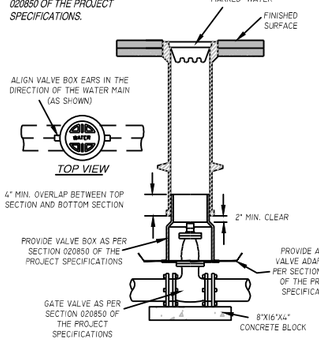


* - IF WET CONDITIONS PERSIST, CONTRACTOR TO INSTALL 3/4" TO 1-1/2" DIA. CLEAN STONE FOR BEDDING AND COVER MATERIAL.

TYPICAL TRENCH AND BEDDING DETAIL - WATER MAIN

(NOT LOCATED UNDER STREET, PARKING LOT, ETC.)
SCALE: N.T.S.

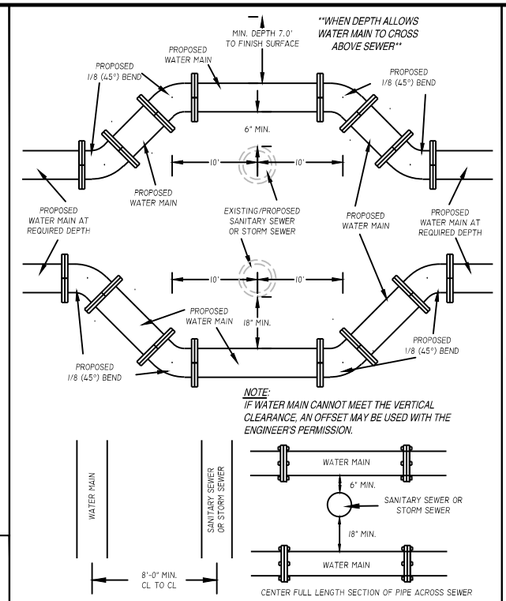
NOTE:
1. *CURB BOX IN PAVEMENT - TOP OF VALVE BOX LID TO BE PLACED 3/8" - 1/2" BELOW FINISHED SURFACE.*
2. *CURB BOX OUTSIDE OF PAVEMENT - TOP OF VALVE BOX LID TO BE PLACED 3" ABOVE FINISHED SURFACE.*
3. *INSTALL MUD PLUG AS PER SECTION 020850 OF THE PROJECT SPECIFICATIONS.*



VALVE AND VALVE BOX DETAIL

SCALE: N.T.S.

ALL PIPE, FITTINGS, AND ACCESSORIES TO BE MANUFACTURED IN THE UNITED STATES

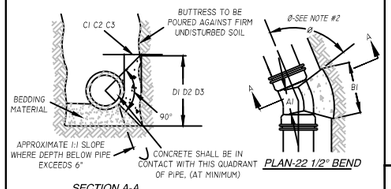


NOTE:
IF WATER MAIN CANNOT MEET THE VERTICAL CLEARANCE, AN OFFSET MAY BE USED WITH THE ENGINEER'S PERMISSION.

WATER MAIN SEPARATION DETAIL

(PER NR 811.67) SCALE: N.T.S.

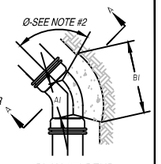
BUTTRESS DIMENSIONS						
PIPE SIZE	22 1/2° BENDS		45° BENDS		90° BENDS	
	B1	D1	B2	D2	B3	D3
6"	1'-0"	1'-0"	1'-0"	1'-0"	1'-4"	1'-2"
8"	1'-0"	1'-0"	1'-4"	1'-4"	1'-10"	1'-6"
10"	1'-4"	1'-4"	1'-10"	1'-10"	2'-8"	2'-3"
12"	1'-4"	1'-4"	1'-10"	1'-10"	2'-8"	2'-3"



SECTION A-A

PLAN-22 1/2" BEND

1. *DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150 PSI AND ON EARTH RESISTANCE OF TWO TONS PER SQ. FT.*
2. *DIMENSION C1, C2, C3 SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø EQUAL TO OR LARGER THEN 45°.*
3. *DIMENSION A1, A2, A3 SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH M.J. BOLTS.*
4. *THE BACK SHAPE OF THE BUTTRESS MAY VARY AS LONG AS POUR IS AGAINST FIRM UNDISTURBED EARTH.*
5. *ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.*



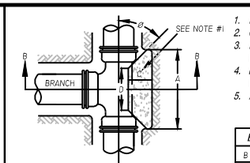
PLAN-45° BEND

BUTTRESS DIMENSIONS					
B D	A	B	C	D	
6"	1'-6"	1'-2"			SEE NOTE #1
8"	2'-0"	1'-4"			SEE NOTE #2
10"/12"	2'-5"	1'-10"			SEE NOTE #2

BUTTRESS FOR BENDS

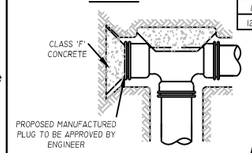
SCALE: N.T.S.

1. *DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE Ø ANGLE EQUAL TO OR LARGER THAN 45°.*
2. *CONCRETE SHOULD BEAR ON THIS QUADRANT OF PIPE AS A MINIMUM.*
3. *DIMENSION 'D' SHOULD BE AS LARGE AS POSSIBLE, BUT CONCRETE SHOULD NOT INTERFERE WITH MECHANICAL JOINTS.*
4. *BUTTRESS DIMENSIONS ARE BASED ON SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI.*
5. *ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.*



PLAN- TEE

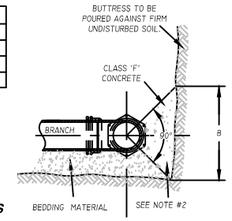
BUTTRESS DIMENSIONS					
B D	A	B	C	D	
6"	1'-3"	1'-0"			SEE NOTE #1
8"	1'-6"	1'-4"			SEE NOTE #2
12"	2'-3"	2'-0"			SEE NOTE #3



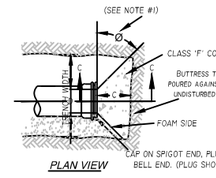
PLAN- TEE WITH PLUG

BUTTRESS FOR TEES

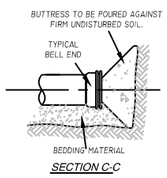
SCALE: N.T.S.



SECTION B-B



PLAN VIEW



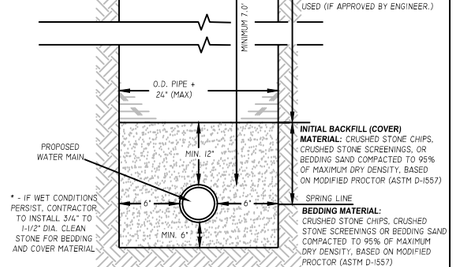
SECTION C-C

BUTTRESS DIMENSIONS					
B D	A	B	C	D	
6"	1'-3"	1'-0"			SEE NOTE #1
8"	1'-6"	1'-4"			SEE NOTE #2
12"	2'-3"	2'-0"			SEE NOTE #3

1. *DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø EQUAL TO OR LARGER THAN 45°.*
2. *DIMENSION 'D' EQUALS APPROX. I.D. OF PIPE LESS 2". AN EFFORT SHOULD BE MADE TO PREVENT THE CONCRETE FROM COVERING THE M.J. BOLTS.*
3. *WHERE BUTTRESSES ARE NOT POSSIBLE BECAUSE OF POOR SOIL CONDITIONS OR LACK OF ROOM, STRAPPING SHALL BE PERMITTED.*
4. *BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI.*

BUTTRESS FOR DEAD ENDS

SCALE: N.T.S.

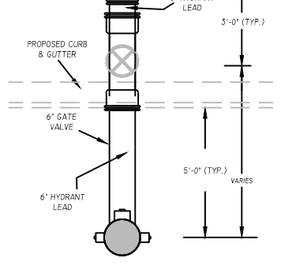


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TYPICAL TRENCH AND BEDDING DETAIL - WATER MAIN

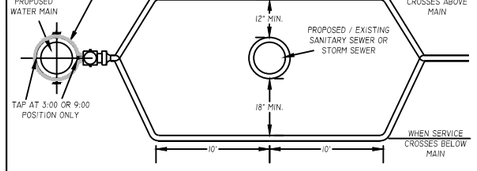
(LOCATED UNDER STREET, PARKING LOT, ETC.)
SCALE: N.T.S.

NOTE:
WATER MAIN AND GATE VALVE SIZE AS SHOWN ON CONSTRUCTION PLANS. GATE VALVES SHALL BE INSTALLED ONLY AT LOCATIONS SHOWN ON PLANS.



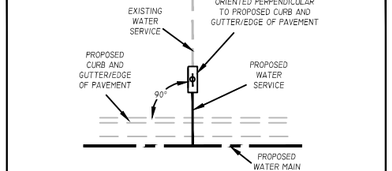
TYPICAL FIRE HYDRANT CONNECTION

SCALE: N.T.S.



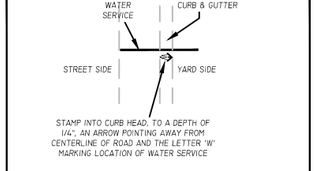
WATER SERVICE SEPARATION DETAIL

(PER COMM 82.40(8)) SCALE: N.T.S.



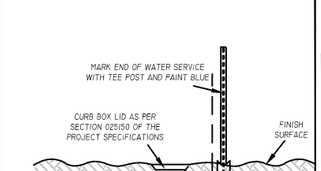
CURB STOP ORIENTATION DETAIL

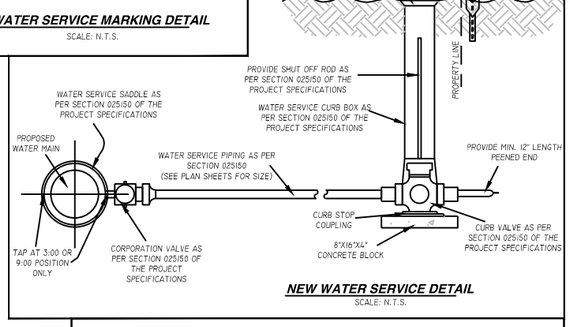
SCALE: N.T.S.



WATER SERVICE MARKING DETAIL

SCALE: N.T.S.

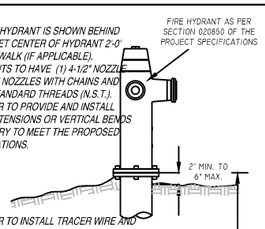


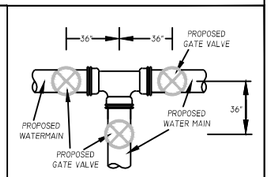


NEW WATER SERVICE DETAIL

SCALE: N.T.S.

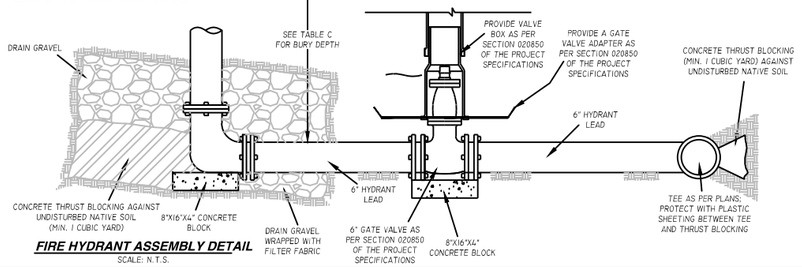
NOTES:
1. *WHERE FIRE HYDRANT IS SHOWN BEHIND SIDEWALK, SET CENTER OF HYDRANT 2'-0" BEHIND SIDEWALK (IF APPLICABLE).*
2. *FIRE HYDRANTS TO HAVE (1) 4-1/2" NOZZLE AND (2) 2-1/2" NOZZLES WITH CHAINS AND NATIONAL STANDARD THREADS (N.S.T.).*
3. *CONTRACTOR TO PROVIDE AND INSTALL HYDRANT EXTENSIONS OR VERTICAL BENDS AS NECESSARY TO MEET THE PROPOSED FINISH ELEVATIONS.*
4. *CONTRACTOR TO INSTALL TRACER WIRE AND TRACER WIRE ACCESS BOX AS PER SECTION 020850 OF THE PROJECT SPECIFICATIONS.*





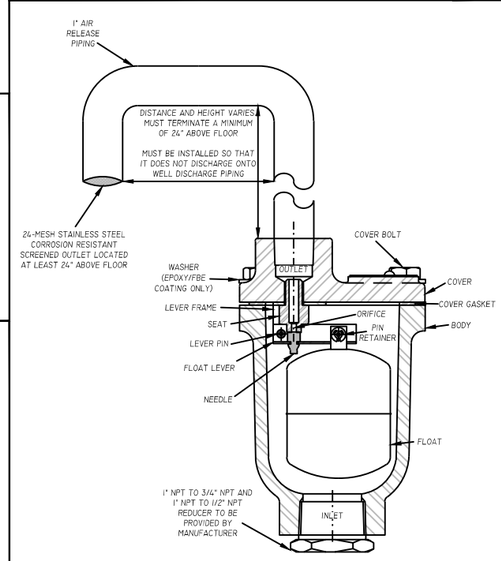
WATER MAIN TEE

SCALE: N.T.S.



FIRE HYDRANT ASSEMBLY DETAIL

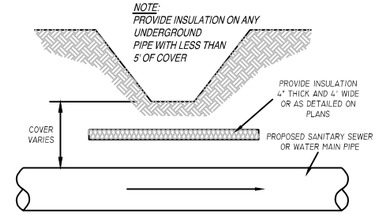
SCALE: N.T.S.



AIR RELEASE VALVE DETAIL

SCALE: N.T.S.

NOTE:
PROVIDE INSULATION ON ANY UNDERGROUND PIPE WITH LESS THAN 5' OF COVER



PIPE INSULATION DETAIL

SCALE: N.T.S.

ENGINEER:
DELTA 3
EVERY ANGLE COVERED
PROFESSIONAL CIVIL, MUNICIPAL & STRUCTURAL ENGINEERING
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DUBUQUE, IOWA 52001

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PROPOSED MUNICIPAL WELL #3

DICKEYVILLE, WISCONSIN

PROJECT LOCATION: FOUNDRY WAY

OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

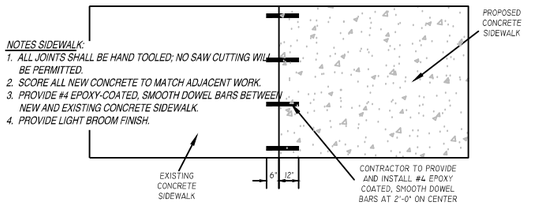
REVISIONS:		
NO.	DATE	DESCRIPTION
AS-BUILT:		BY:
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FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	NOT TO SCALE
DRAWN BY	C. COYIER
DATE ISSUED	MAY 14, 2026
SHEET DESC.	DETAILS - WATER SYSTEM

SHEET TITLE:

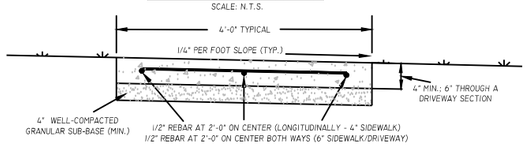
C203

SHEET NUMBER # 08 of 36



PLAN VIEW - SIDEWALK CONNECTION

SCALE: N.T.S.

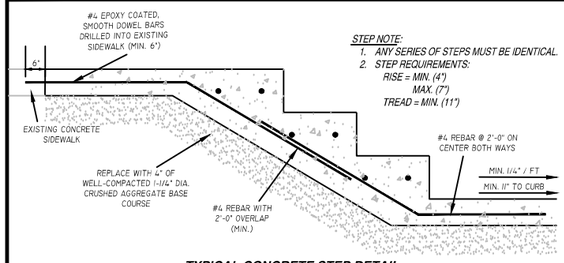


CROSS SECTION VIEW

SCALE: N.T.S.

TYPICAL CONCRETE SIDEWALK DETAIL

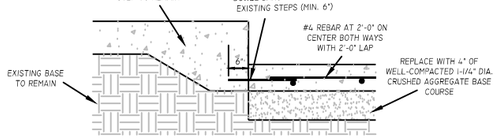
SCALE: N.T.S.



STEP NOTE:
1. ANY SERIES OF STEPS MUST BE IDENTICAL.
2. STEP REQUIREMENTS:
RISE = MIN. (4")
MAX. (7")
TREAD = MIN. (11")

TYPICAL CONCRETE STEP DETAIL

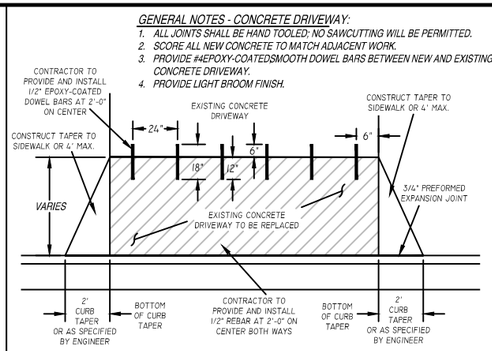
SCALE: N.T.S.



TYPICAL CONCRETE SIDEWALK TIE-IN TO STEPS DETAIL

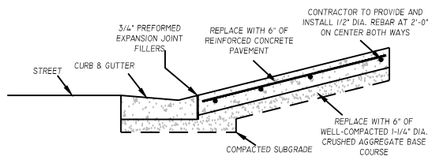
SCALE: N.T.S.

GENERAL NOTES - CONCRETE DRIVEWAY:
1. ALL JOINTS SHALL BE HAND TOOLED; NO SAW CUTTING WILL BE PERMITTED.
2. SCORE ALL NEW CONCRETE TO MATCH ADJACENT WORK.
3. PROVIDE #4EPOXY-COATEDSMOOTH DOWEL BARS BETWEEN NEW AND EXISTING CONCRETE DRIVEWAY.
4. PROVIDE LIGHT BROOM FINISH.



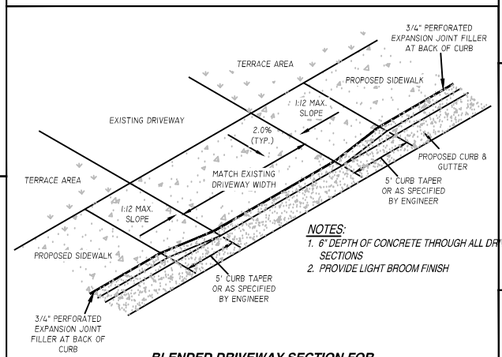
TYPICAL CONCRETE DRIVEWAY DETAIL

SCALE: N.T.S.



TYPICAL CONCRETE DRIVEWAY DETAIL (ALONG CURB AND GUTTER)

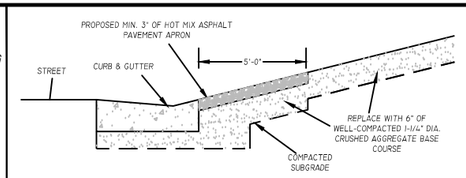
SCALE: N.T.S.



NOTES:
1. 6" DEPTH OF CONCRETE THROUGH ALL DRIVEWAY SECTIONS
2. PROVIDE LIGHT BROOM FINISH

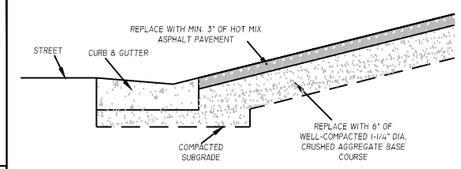
BLENDED DRIVEWAY SECTION FOR SIDEWALKS THAT ABUT CURB

SCALE: N.T.S.



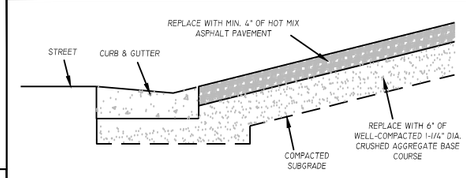
TYPICAL GRAVEL DRIVEWAY ALONG CURB & GUTTER DETAIL

SCALE: N.T.S.



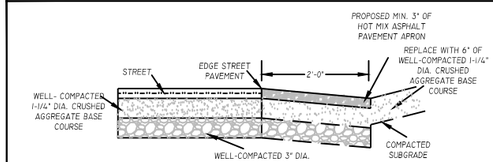
TYPICAL HOT MIX ASPHALT PAVEMENT DRIVEWAY - RESIDENTIAL DETAIL

SCALE: N.T.S.



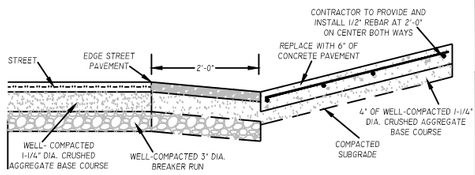
TYPICAL HMA PAVEMENT DRIVEWAY - COMMERCIAL DETAIL

SCALE: N.T.S.



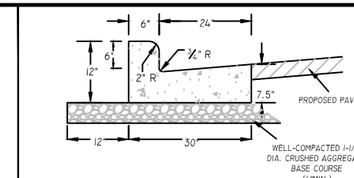
TYPICAL GRAVEL DRIVEWAY DETAIL (NO CURB AND GUTTER)

SCALE: N.T.S.



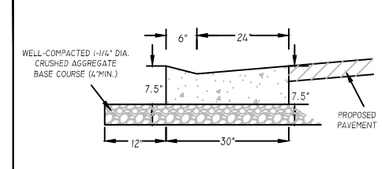
TYPICAL CONCRETE DRIVEWAY DETAIL (NO CURB & GUTTER)

SCALE: N.T.S.



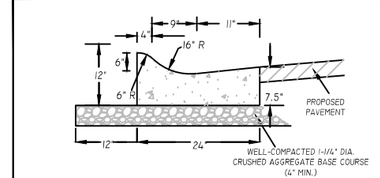
STANDARD 30" CURB & GUTTER

SCALE: N.T.S.



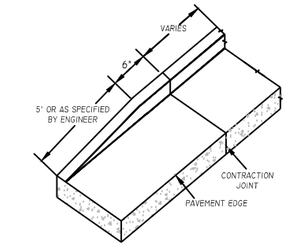
STANDARD 30" ROLL- BACK CURB AND GUTTER

SCALE: N.T.S.



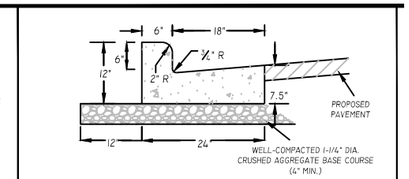
STANDARD 4" SLOPED CURB & GUTTER DETAIL

SCALE: N.T.S.



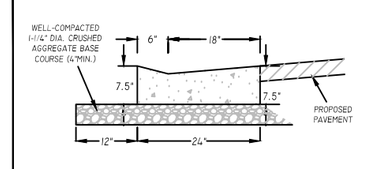
END SECTION-CURB & GUTTER TAPER DETAIL

SCALE: N.T.S.



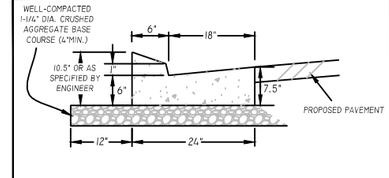
STANDARD 24" CURB & GUTTER DETAIL

SCALE: N.T.S.



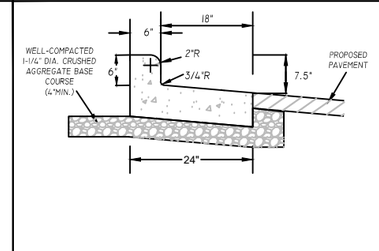
STANDARD 24" ROLL- BACK CURB AND GUTTER DETAIL

SCALE: N.T.S.



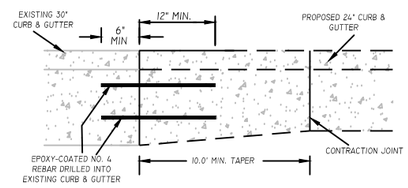
24" TYPE 'X' CURB AND GUTTER DETAIL

SCALE: N.T.S.



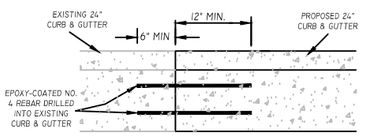
STANDARD 24" REVERSE-PITCH CURB & GUTTER DETAIL

SCALE: N.T.S.



24" CURB & GUTTER MATCH TO 30" CURB & GUTTER DETAIL

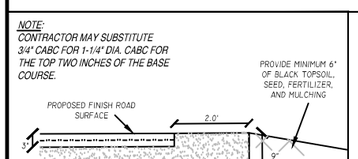
SCALE: N.T.S.



24" CURB & GUTTER MATCH DETAIL

SCALE: N.T.S.

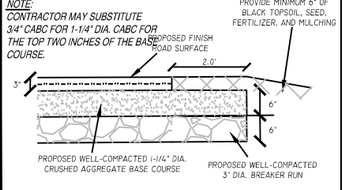
NOTE:
CONTRACTOR MAY SUBSTITUTE 3/4" CABC FOR 1-1/4" DIA. CABC FOR THE TOP TWO INCHES OF THE BASE COURSE.



TYPICAL GRAVEL SHOULDER CROSS-SECTION

SCALE: N.T.S.

NOTE:
CONTRACTOR MAY SUBSTITUTE 3/4" CABC FOR 1-1/4" DIA. CABC FOR THE TOP TWO INCHES OF THE BASE COURSE.



TYPICAL GRASSED GRAVEL SHOULDER CROSS-SECTION

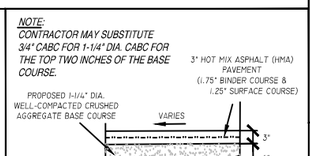
SCALE: N.T.S.



HANDICAP PARKING SIGN DETAIL

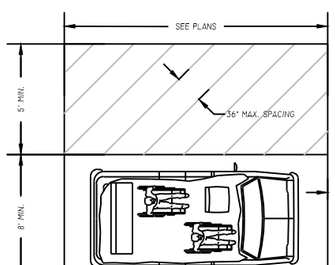
SCALE: N.T.S. TABLE 1106.1

NOTE:
CONTRACTOR MAY SUBSTITUTE 3/4" CABC FOR 1-1/4" DIA. CABC FOR THE TOP TWO INCHES OF THE BASE COURSE.



TYPICAL DRIVEWAY/PAVEMENT PATCHING CROSS-SECTION

SCALE: N.T.S.



NOTE:
MAXIMUM SLOPE IN ANY DIRECTION TO BE 2%

ACCESSIBLE PARKING DETAIL

SCALE: N.T.S.

ENGINEER:
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PLATTEVILLE, WISCONSIN 53818
898 JACKSON STREET PHONE: (563) 547-3005
DUBUQUE, IOWA 52001

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:
MR. JORDAN FURE, P.E.
DELTA 3 ENGINEERING, INC.
TELEPHONE: (608) 348-5355

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PROPOSED MUNICIPAL WELL #3

DICKEYVILLE, WISCONSIN

PROJECT LOCATION: FOUNDRY WAY

OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

REVISIONS:		
NO.	DATE	DESCRIPTION
AS-BUILT:		BY:
--/--/----		-.-----

FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	NOT TO SCALE
DRAWN BY	C. COYIER
DATE ISSUED	MAY 14, 2026
SHEET DESC.	DETAILS - STREET

SHEET TITLE:

C204

SHEET NUMBER # 09 of 36

5/18/2026 4:24:00 PM

CODE INFORMATION

DESIGN CODES:		CHANGE OF OCCUPANCY	ADDITION
BUILDING CODE:	2021 INT'L BUILDING CODE AS AMENDED BY SPS 362		
PLUMBING CODE:	SPS CHAPTERS 381-387		
MECHANICAL CODE:	2021 INT'L MECH. CODE	NEW CONST.	ALTERATION
FIRE CODE:	2021 INT'L FIRE CODE		
ELECTRICAL CODE:	NATIONAL ELECTRICAL CODE 2017 AS AMENDED BY SPS 316		
ACCESSIBILITY:	ICC A117.1-2017 STANDARD AND COMMENTARY		
ENERGY:	2021 INT'L ENERGY CONSERVATION CODE	NOTES	

OCCUPANCY CLASSIFICATION:(303-312)	A-1	A-2	A-3	A-4	A-5	B	E	F-1	F-2	
	H-1	H-2	H-3	H-4	H-5	I-1	I-2	I-3	I-4	
	M	R-1	R-2	R-3	R-4	S-1	S-2	U		
TYPE OF CONSTRUCTION:(602)	IA	IB	IIA	IIB	IIIA	IIIB	IV	VA	VB	
NUMBER OF BUILDINGS ON LOT:(503.1.2)	1		2				3			
AUTOMATIC SUPPRESSION SYSTEM:(903)	NFPA 13		NFPA 13R		NFPA 13D		NONE			
FIRE ALARM & DETECTION SYSTEM:(907)	MANUAL		AUTOMATIC				NONE			

BUILDING INFORMATION

ITEM		PERMITTED/ ALLOWED/REQUIRED	PROVIDED	NOTES
ALLOWABLE AREA: (TABLE 506.2)		17,500 sf	2,720 sf	
ALLOWABLE BLDG HEIGHT: (TABLE 504.3)		55 ft	20'-2"	
NUMBER OF STORIES: (TABLE 504.4)		2	1	
PERMITTED AREA: (506)		NO FRONTAGE INCREASE REQUIRED		
OCCUPANT LOAD: (TABLE 1004.5)		4 ESTIMATED		
EXIT ACCESS TRAVEL DISTANCE: (TABLE 1017.2)		200 ft	SEE PLAN	
MAX. PATH OF EGRESS TRAVEL: (TABLE 1006.2.1)		75 ft	SEE PLAN	
TOTAL NUMBER OF EXITS: (1021) (TABLE 1006.3.3)		2	SEE PLAN	
NUMBER OF ACCESSIBLE EXITS: (1009)		2	SEE PLAN	
VESTIBULE:		NR		
EXITS: (1022)	INTERIOR STAIRWAYS & RAMPS	N/A		NO ENCLOSURE REQUIRED FOR PROJECT
	EXIT PASSAGEWAYS	N/A		
	HORIZONTAL EXITS	N/A		
CORRIDOR RATINGS: (1020) (TABLE 1020.2)		N/A		
MEANS OF EGRESS SIZING: (INCHES PER OCCUPANT) (1005) (TABLE 1020.2)	STAIRWAY (1005.3.1) 0.3in	N/A		
	OTHER EGRESS COMPONENTS (1005.3.2) 0.2in	0.8 in	SEE PLAN	
	STAIRWAY (1009.3) ACCESSIBLE PATH	N/A		
	STAIRWAY (1011.2) LESS THAN 50 OCCUPANTS	N/A		
	STAIRWAY (1011.2) MORE THAN 50 OCCUPANTS	N/A		
PANIC HARDWARE: (1010.2.9)		N/A		

FIRE RESISTANCE RATINGS

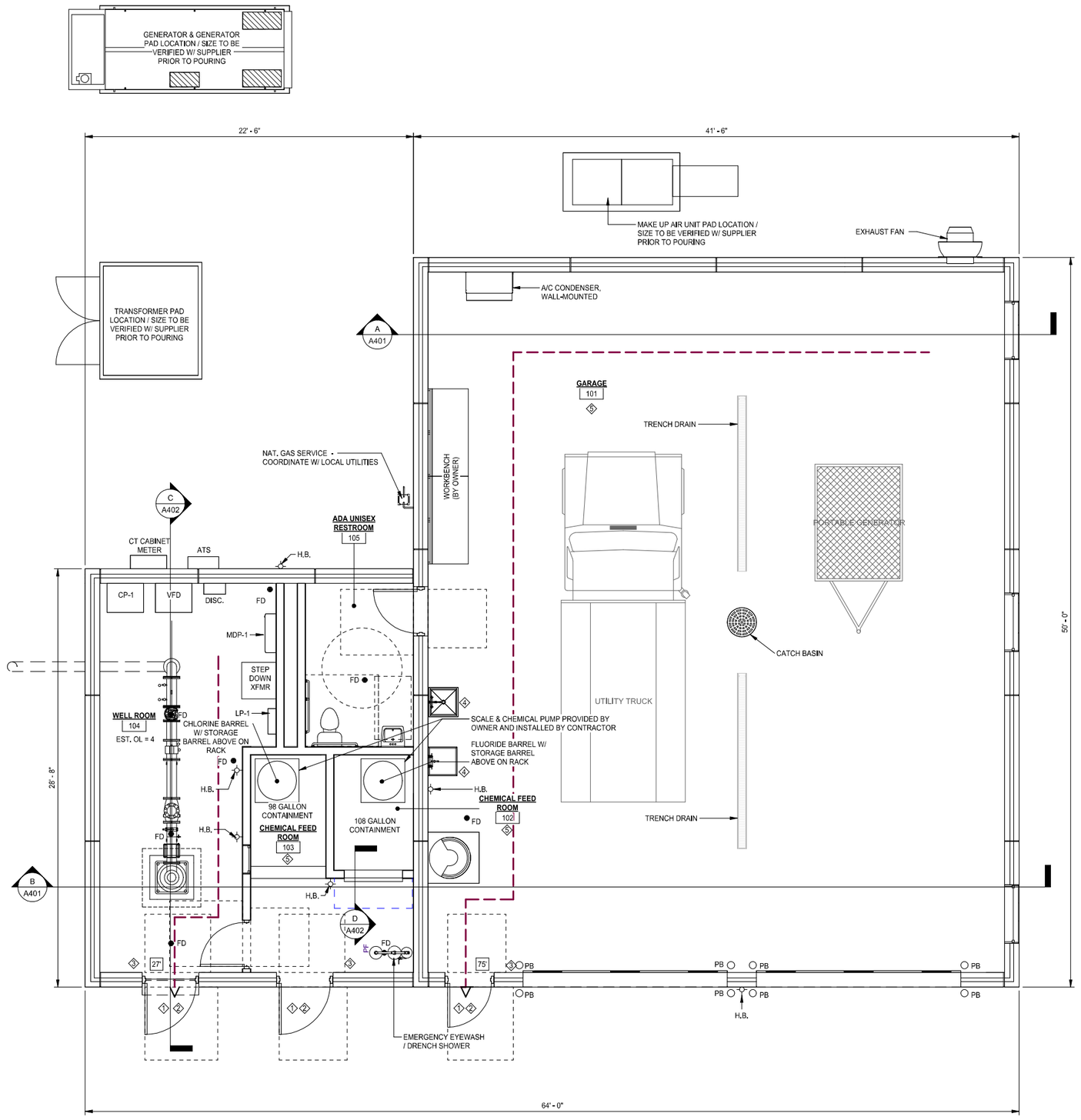
ITEM (TABLE 601)		PERMITTED/ ALLOWED/REQUIRED	PROVIDED	NOTES
STRUCTURAL FRAME		0 HR	N/A	
BEARING WALLS	EXTERIOR	0 HR	N/A	FIRE WALL: (706)
	INTERIOR	0 HR	N/A	FIRE BARRIER: (707)
				FIRE PARTITION: (708)
NON BEARING WALLS	EXTERIOR	0 HR	N/A	FIRE WALL: (706)
	INTERIOR	0 HR	N/A	
	FLOOR CONSTRUCTION	0 HR	N/A	FIRE BARRIER: (707)
	ROOF CONSTRUCTION	0 HR	N/A	FIRE PARTITION: (708)
STEPPED BUILDING: (706.6.1)		N/A	N/A	
OPENING PROTECTION: (TABLE 716.1(2))		N/A	N/A	
AUTO-CLOSING FIRE DOOR: (716.2.6.1)		N/A	N/A	
DRAFT STOPPING: (718)		N/A	N/A	NO ATTIC
PORTABLE FIRE EXTINGUISHERS: (TABLE 906.3(1))		3	SEE PLAN	MAX. TRAVEL DISTANCE TO EXTINGUISHER = 75ft

PLUMBING FIXTURES

ITEM		PERMITTED/ ALLOWED/REQUIRED	PROVIDED	NOTES
MEN	URINALS: (TABLE 2902.1)	0	0	
	WATER CLOSETS: (TABLE 2902.1)	0	0	
	LAVATORIES: (TABLE 2902.1)	0	0	
WOMEN	WATER CLOSETS: (TABLE 2902.1)	0	0	
	LAVATORIES: (TABLE 2902.1)	0	0	
FACILITY	DRINKING FOUNTAINS: (TABLE 2902.1)	1	THROUGH SINK FAUCET	
	SHOWERS: (TABLE 2902.1)	0	0	
	SERVICE SINKS: (TABLE 2902.1)	1	UTILITY SINK, MOP SINK	
UNISEX REST ROOM - LESS THAN 15 OCCUPANTS: (2902.2)		1	1	

KEYNOTE LEGEND

1. REQUIRED ACCESSIBLE INGRESS/EGRESS 34" CLEAR
2. FROST PROTECTED STOOP
3. WALL MOUNTED FIRE EXTINGUISHER
4. UTILITY/MOP SINK
5. NO INCREASE TO BUILDING OCCUPANT LOAD, SAME OCCUPANTS FROM ADJACENT SPACES



CODE ANALYSIS MAIN LEVEL PLAN
(24x36) SCALE: 1/4" = 1'-0"
(11x17) SCALE: 1/8" = 1'-0"
A001

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898 JACKSON STREET, DUBUQUE, IOWA 52001 PHONE: (563) 542-9005

FOR QUESTIONS ABOUT THIS PROJECT, PLEASE CONTACT:
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TELEPHONE: (608) 348-5355

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PROPOSED MUNICIPAL WELL #3

DICKEYVILLE, WSCONSIN

PROJECT LOCATION: FOUNDRY WAY
OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

REVISIONS

No.	DATE	DESCRIPTION

FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	C.LOHRMANN
DATE ISSUED	MAY 14, 2026
SHEET DESC.	CODE ANALYSIS

A001

SHEET NUMBER # 10 of 36

Autodesk Docs://D23-124 Dickeyville MW#3/Dickeyville Well #3.rvt

5/15/2026 2:35:36 PM

SPECIAL CONSTRUCTION

1. JOINT SEAL GASKETS: MANUFACTURER'S STANDARD TYPE.
2. FASTENERS: MANUFACTURER'S STANDARD TYPE, FINISH TO MATCH ADJACENT SURFACES WHEN EXTERIOR EXPOSED.
3. FLASHING, CLOSURE PIECES AND CAPS: SAME MATERIAL AND FINISH AS ADJACENT MATERIAL, PROFILE TO SUIT SYSTEM.
4. FASTENERS: TO MAINTAIN LOAD REQUIREMENTS AND WEATHER TIGHT INSTALLATION, SAME FINISH AS CLADDING, NON-CORROSIVE TYPE.
5. FORM SECTIONS IN MAXIMUM POSSIBLE LENGTHS. HEM EXPOSED EDGES.
6. FRAMING MEMBERS: CLEAN, PREPARE, AND SHOP PRIME. PRIME TO SSPC MANUAL REQUIREMENTS.
7. VERIFY FOUNDATION, FLOOR SLAB, MECHANICAL AND ELECTRICAL UTILITIES, AND PLACED ANCHORS ARE IN CORRECT POSITION.
8. PROVIDE FOR ERECTION AND WIND LOADS. PROVIDE TEMPORARY BRACING TO MAINTAIN STRUCTURE PLUMB AND IN ALIGNMENT UNTIL COMPLETION OF ERECTION AND INSTALLATION OF PERMANENT BRACING.
9. DO NOT FIELD CUT OR ALTER STRUCTURAL MEMBERS WITHOUT APPROVAL OF ENGINEER.
10. INSTALL WORK IN ACCORDANCE WITH STATE AND MUNICIPALITY, WISCONSIN PUBLIC WORKS STANDARDS.
11. EXERCISE CARE WHEN CUTTING PREFINISHED MATERIAL TO ENSURE CUTTINGS DO NOT REMAIN ON FINISH SURFACE.
12. FASTEN CLADDING SYSTEM TO STRUCTURAL SUPPORTS, ALIGNED LEVEL AND PLUMB.
13. INSTALL SEALANT AND GASKETS TO PREVENT WEATHER PENETRATION.
14. APPLY BITUMINOUS PAINT ON SURFACES IN CONTACT WITH CEMENTITIOUS MATERIALS.
15. SLOPE GUTTERS MINIMUM 1/16 INCH/FT.
16. CONNECT DOWNSPOUTS TO STORM SEWER SYSTEM WHERE POSSIBLE.
17. SEAL WALL AND ROOF ACCESSORIES WATERTIGHT AND WEATHER TIGHT WITH SEALANT.
18. FRAMING MEMBERS TOLERANCE: 1/4 INCH FROM LEVEL; 1/8 INCH FROM PLUMB.

GENERAL NOTES

1. THE FOLLOWING GENERAL AND SPECIFIC NOTES SHALL APPLY TO ALL CONTRACTORS AND SUPPLIERS ENGAGED ON EXECUTION OF THE WORK SHOWN ON THESE PLANS. THESE NOTES SUPPLEMENT AND ARE MADE A PART OF THE ENTIRE CONTRACT DOCUMENTS AND SPECIFICATIONS.
2. ALL CONSTRUCTION SHALL BE EXECUTED IN CONFORMANCE WITH THE FOLLOWING:
   - A. PLANS AND SPECIFICATIONS
   - B. STATE OF WISCONSIN AND SAFETY CODES
   - C. GOVERNING LOCAL AND MUNICIPAL CODES
   - D. CONCRETE CONSTRUCTION: AMERICAN CONCRETE INSTITUTE, JOINT COMMITTEE STANDARDS
   - E. MASONRY CONSTRUCTION: THE MASONRY SOCIETY, MASONRY STANDARDS JOINT COMMITTEE
   - F. STRUCTURAL AND MISCELLANEOUS STEEL WORK: AMERICAN INSTITUTE OF STEEL CONSTRUCTION, CODE OF STANDARD PRACTICE
   - G. STEEL JOIST AND ACCESSORIES: STEEL JOIST INSTITUTE
   - H. STEEL STUDS AND ACCESSORIES: AMERICAN IRON AND STEEL INSTITUTE
   - I. WOOD CONSTRUCTION: AMERICAN INSTITUTE OF WOOD CONSTRUCTION
3. CONTRACTORS SHALL ENSURE FAMILIARITY OF THE ABOVE ITEMS. ENGINEER INSPECTIONS WILL BE IN CONFORMANCE WITH THE ABOVE.
4. ALL TOP SOIL AREAS MUST BE REMOVED FOR SLABS BEARING ON SOIL AND REPLACE WITH WELL ROLLED BANK RUN GRAVEL FILL COMPACTED IN 6" LAYERS.
5. CONTRACTOR TO CROSS CHECK DIMENSIONS, ELEVATIONS, SECTIONS AND DETAILS BETWEEN BUILDING DESIGN, MECHANICAL AND STRUCTURAL PLANS.
6. DELTA 3 IS TO BE NOTIFIED OF ANY VARIANCE BEFORE CONTRACTOR BEGINS WORK. ALL EQUIPMENT SUPPORTS AND ANCHORAGES TO BE CROSS CHECKED WITH MANUFACTURERS DRAWINGS.
7. CONTRACTOR SHALL VERIFY ALL PROFILES, HEIGHTS AND DIMENSIONS AT PROJECT PRIOR TO FABRICATION OF ANY MATERIAL AND INFORM THE ENGINEER OF ANY DISCREPANCIES OR FRAMING INTERFERENCES.
8. REFER TO ALL PLANS FOR DETAILS OF CONSTRUCTION.
9. CONTRACTOR TO COORDINATE WITH OTHER TRADES TO PROVIDE OPENINGS IN WALLS, FLOORS, ROOF , - WHERE SECTIONS OR NOTES ARE CALLED FOR IN A CERTAIN PORTION OF THE BUILDING, IT SHALL BE DUPLICATED IN SIMILAR PORTIONS OF THE BUILDING, UNLESS NOTED OTHERWISE.

THERMAL AND MOISTURE PROTECTION

1. VAPOR RETARDER: ASTM E1745 CLASS 6 MIL THICK CLEAR POLYETHYLENE FILM, TYPE RECOMMENDED FOR BELOW GRADE APPLICATION. FURNISH JOINT TAPE RECOMMENDED BY MANUFACTURER.
2. TRIM INSULATION NEATLY TO FIT SPACES. INSULATE MISCELLANEOUS GAPS AND VOIDS.
3. BATT INSULATION: ASTM C665; PREFORMED GLASS FIBER BATT, OR ROLL FRICTION FITTED AND BLOWN IN INSULATION CONFORMING TO THE FOLLOWING:
   THERMAL RESISTANCE: AS SHOWN ON PLAN.
   FLAME/SMOKE PROPERTIES: IN ACCORDANCE WITH UL 723.
4. TONGUE AND GROOVE PROFILE, WITH REMOVABLE TOP STRIP EXPOSING SEALANT THROUGH, KNOCK OUT HOLES SPACED AT 6", RIBBED STEEL SPIKES WITH TONGUE TO FIT TOP SCREED EDGE.
5. STAPLES: STEEL WIRE; ELECTROPLATED TYPE AND SIZE TO SUIT APPLICATION.
6. EXPANSION AND CONTRACTION JOINT DEVICE: ASTM B221 ALLOY, EXTRUDED ALUMINUM; RESILIENT ELASTOMERIC FILLER STRIP WITH SHORE A HARDNESS OF 35 TO PERMIT PLUS OR MINUS 25 PERCENT JOINT MOVEMENT WITH FULL RECOVERY.
7. TAPE: POLYESTER SELF-ADHERING TYPE. - SEALANT: CURE AND SEAL.
8. INSTALL IN EXTERIOR WALLS, ROOFS AND CEILING SPACES WITHOUT GAPS OR VOIDS. DO NOT COMPRESS INSULATION.
9. FIT INSULATION TIGHT IN SPACES AND TIGHT TO EXTERIOR SIDE OF MECHANICAL AND ELECTRICAL SERVICES WITHIN PLANE OF INSULATION.
10. INSTALL WITH FACTORY APPLIED VAPOR RETARDER MEMBRANE FACING WARM SIDE OF BUILDING SPACES. LAP ENDS AND SIDE FLANGES OF MEMBRANE BETWEEN FRAMING MEMBERS.
11. STAPLE FACING FLANGES IN PLACE AT MAXIMUM 6" O.C.
12. TAPE SEAL BUTT ENDS, LAPPED FLANGES AND TEARS OR CUTS IN MEMBRANE. INSULATION VALUES AS SHOWN ON PLAN.
13. A THERMAL RESISTANCE (R) IDENTIFICATION MARK SHALL BE APPLIED BY THE MANUFACTURER TO EACH PIECE OF BUILDING ENVELOPE INSULATION 12" OR GREATER IN WIDTH.
14. THE INSULATION INSTALLER SHALL PROVIDE A SIGNED AND DATED CERTIFICATION FOR THE INSULATION INSTALLED IN EACH ELEMENT OF THE BUILDING ENVELOPE, LISTING THE TYPE OF INSULATION INSTALLATION IN ROOF/CEILINGS, THE MANUFACTURER AND THE R-VALUE. FOR BLOWN-IN OR SPRAYED INSULATION, THE INSTALLER SHALL ALSO PROVIDE THE INITIAL INSTALLED THICKNESS, THE SETTLED THICKNESS, THE COVERAGE AREA, AND THE NUMBER OF BAGS INSTALLED. THE INSTALLER SHALL POST THE CERTIFICATION IN A CONSPICUOUS PLACE ON THE JOB SITE.

MATERIALS LEGEND

- CONCRETE
- GRANULAR FILL
- FACEBRICK
- CMU
- METAL ROOF PANELS
- ARCHITECTURAL SHINGLE
- METAL WALL PANELS
- HORIZONTAL SIDING
- VERTICAL SIDING
- MANUFACTURED STONE
- BATT INSULATION
- BLOWN INSULATION
- SPRAY FOAM INSULATION
- EARTH

ARCHITECTURAL LEGEND

BUILDING CROSS SECTION DESIGNATION:
- A / 000 — SECTION ID LETTER / SECTION SHEET NUMBER

WALL DETAIL DESIGNATION:
- 0 / 000 — DETAIL ID NUMBER / DETAIL SHEET NUMBER
- BUILDING SECTION LINE
- PATH OF EGRESS
- FEW — FIRE EXTINGUISHER WALL BRACKET
- FEC — FIRE EXTINGUISHER CABINET
- W1 — WINDOW DESIGNATION
- 101 — DOOR DESIGNATION
- 2 / 1 A301 3 / 4 — INTERIOR ELEVATION
- EXISTING TO REMAIN
- PROPOSED CONSTRUCTION

REFLECTED CEILING LEGEND

- ACOUSTICAL TILE
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST DIFFUSER
- RETURN DIFFUSER
- SUPPLY DIFFUSER AT EXPOSED DUCT
- ROUND DIFFUSER
- EXHAUST FAN
- LIGHT FIXTURE - REFER TO LIGHTING PLAN
- TYPE + X'-X" — SPOT ELEVATION
- SUPPLY AIR DUCTING
- RETURN AIR DUCTING

ABBREVIATIONS

ACT-1	ACOUSTICAL TILE - 24"x24" W/ REVEAL AND 3/4" EDGE
ACT-2	ACOUSTICAL TILE - 24"x48"
ACT-3	ACOUSTICAL TILE - 24"x24" VINYL COVERED WASHABLE
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
AN-B	ANODIZED - BLACK
BFF	BELOW FINISHED FLOOR
CB	CEMENT BOARD BACKER
CBO	COLOR BY OWNER
CONT	CONTINUOUS
CPT-1	CARPET - SHEET
CPT-2	CARPET - TILE
CT	CERAMIC TILE
CONC-1	CONCRETE
CONC-2	CONCRETE - SEALED
CMU	CONCRETE MASONRY UNITS
CV	COVE - MATCH FLOOR MATERIAL
DTH-1	DUROTHERM 7/16"
DBO	DESIGN BY OTHERS
DS	DOWNSPOUT
EF	EXHAUST FAN
EN-2	ENAMEL - 2 COATS
EP	EPOXY
EX	EXISTING
EXP	EXPOSED
FB	FACE BRICK
FF	FINISHED FLOOR
FO	FINISHED OPENING
FRP	FIBERGLASS REINFORCED PLASTIC
FP	FACTORY PRIMED
GB-1	GYP BOARD - 5/8"
GB-2	GYP BOARD - 1/2"
GB-3	GYP BOARD - 5/8" TYPE "X"
GB-4	GYP BOARD - MOISTURE RESISTANT - 5/8"
GB-5	GYP BOARD - MOISTURE RESISTANT - 1/2"
GL-1	LOW E + SAFETY GLASS
GL-2	SAFETY GLASS
IMP-1	INSULATED METAL PANEL - 2"
IMP-2	INSULATED METAL PANEL - 4"
IMP-3	INSULATED METAL PANEL - 5"
IMP-4	INSULATED METAL PANEL - 8"
LH	LEFT HAND
LN	LINOLEUM
LM	LAMINATE
LVP	LUXURY VINYL PLANK
MP	METAL PANEL - 29 GA
MP-1	METAL PANEL - 26 GA
MP-2	METAL PANEL - 24 GA
MTL-16	METAL FRAME - 16 GA
MTL-18	METAL FRAME - 18 GA
N/A	NOT APPLICABLE
NR	NOT REQUIRED
OC	ON CENTER SPACING
OHD	OVERHEAD DOOR
OHD-1	OVERHEAD DOOR - SECTIONAL
OHD-2	OVERHEAD DOOR - ROLL UP TYPE
PC	PRECAST
PEMB	PRE-ENGINEERED METAL BUILDING
PT-2	PAINTED AND CAULKED
PF	PREFINISHED
PM	PRIMED FRAME
PT	PAINTED
PV	PLUMBING VENT
PVC	1/2" WHITE FLUTED PVC PANEL
QT	QUARRY TILE
RH	RIGHT HAND
RO	ROUGH OPENING
RTU	ROOF TOP UNIT
S	SEALED
SF	SQUARE FEET / FOOTAGE
SBO	SELECTION BY OWNER
SM	SMOOTH
SM-PT	SMOOTH AND PAINTED
ST	STAINED
STN-1	STONE - NATURAL
STN-2	STONE - MANUFACTURED
T-1	TILE - 4"
TK-1	TRACK CONFIGURATION - OVERHEAD
TK-2	TRACK CONFIGURATION - ROLL UP
TK-3	TRACK CONFIGURATION - RAPID ROLL UP
TKM-1	DOOR TRACK - GALVANIZED
TKM-2	DOOR TRACK - STAINLESS STEEL
TX	TEXTURED
TX-PT	TEXTURED AND PAINTED
TYP	TYPICAL
UT	URETHANE
UNO	UNLESS NOTED OTHERWISE
VARIES	VARIES
VS	VINYL SHEET
V-1	VINYL
VB	VAPOR BARRIER
VCT-1	VINYL COMPOSITION TILE
WNS-1	WAINSCOT - 54" CERAMIC TILE
WNS-2	WAINSCOT - 48" BOARD & BATTEN
WD	WOOD
WD-1	KNOTTY PINE CAR SIDING T&G

TABLE C402.5.2
MAXIMUM AIR LEAKAGE RATE FOR FENESTRATION ASSEMBLIES

FENESTRATION ASSEMBLY	MAXIMUM RATE (CFM/FT²)	TEST PROCEDURE
WINDOWS	0.20[a]	AAMA / WDMA / CSA101 / I.S.2 / A440 OR NFRC400
SLIDING DOORS	0.20[a]	
SWINGING DOORS	0.20[a]	
SKYLIGHTS W/ CONDENSATION WEEPAGE OPENINGS	0.30	
SKYLIGHTS - ALL OTHER	0.20[a]	
CURTAIN WALLS	0.06	NFRC400 OR ASTM E 283 AT 1.57 psf (75 Pa)
STOREFRONT GLAZING	0.06	
COMMERCIAL GLAZED SWINGING ENTRANCE DOORS	1.00	
REVOLVING DOORS	1.00	
GARAGE DOORS	0.40	ANSI / DASMA 105, NFRC400, OR ASTM E 283 AT 1.57 psf (75 Pa)
ROLLING DOORS	1.00	
HIGH-SPEED DOORS	1.30	

NOTES:
FOR SI: 1 CUBIC FOOT PER MINUTE = 0.47 L/s, 1 SQUARE FOOT = 0.093m²
a = THE MAXIMUM RATE FOR WINDOWS, SLIDING AND SWINGING DOORS, AND SKYLIGHTS IS PERMITTED TO BE 0.3 cfm PER SQUARE FOOT OF FENESTRATION OR DOOR AREA WHEN TESTED IN ACCORDANCE W/ AAMA / WDMA / CSA101 / I.S.2 / A440 AT 6.24 psf (300 Pa)

TABLE C402.1.3
OPAQUE THERMAL ENVELOPE INSULATION COMPONENT MINIMUM REQUIREMENTS, R-VALUE METHOD[a]

CLIMATE ZONE	6
OPAQUE DOORS	
NONSWINGING	R-4.75

NOTES:
a. ASSEMBLY DESCRIPTIONS CAN BE FOUND IN ANSI/ASHRAE/IESNA APPENDIX A.

TABLE C402.1.4
OPAQUE THERMAL ENVELOPE ASSEMBLY MAXIMUM REQUIREMENTS, U-VALUE METHOD[a,b]

CLIMATE ZONE	6
OPAQUE DOORS	
SWINGING	U-0.37

NOTES:
a. USE OF OPAQUE ASSEMBLY U-FACTORS, C-FACTORS, AND F-FACTORS FROM ANSI/ASHRAE/IESNA 90.1 APPENDIX A SHALL BE PERMITTED, PROVIDED THE CONSTRUCTION, EXCLUDING THE CLADDING SYSTEM ON WALLS, COMPLIES WITH THE APPROPRIATE CONSTRUCTION DETAILS FROM ANSI/ASHRAE/ISNEA 90.1 APPENDIX A.
b. OPAQUE ASSEMBLY U-FACTORS BASED ON DESIGNS TESTED IN ACCORDANCE WITH ASTM C1363 SHALL BE PERMITTED. THE R=VALUE OF CONTINUOUS INSULATION SHALL BE PERMITTED TO BE ADDED TO OR SUBTRACTED FROM THE ORIGINAL TESTED DESIGN.

TABLE C402.4
BUILDING ENVELOPE FENESTRATION MAXIMUM U-FACTOR AND SHGC REQUIREMENTS

CLIMATE ZONE	6	
VERTICAL FENESTRATION		
U-FACTOR		
FIXED FENESTRATION	0.36	
OPERABLE FENESTRATION	0.43	
ENTRANCE DOORS	0.77	
SHGC		
ORIENTATION	SEW	N
PF < 0.2	0.40	0.53
0.2 ≤ PF < 0.5	0.48	0.58
PF > 0.5	0.64	0.64
SKYLIGHTS		
U-FACTOR	0.50	
SHGC	0.40	

NOTES:
NR = NO REQUIREMENT
PF = PROJECTION FACTOR
"N" INDICATES VERTICAL FENESTRATION ORIENTED WITHIN 45 DEGREES OF TRUE NORTH.
"SEW" INDICATES ORIENTATIONS OTHER THAN N.

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DICKEYVILLE, WSCONSIN

PROJECT LOCATION: FOUNDRY WAY
OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

REVISIONS		
No.	DATE	DESCRIPTION

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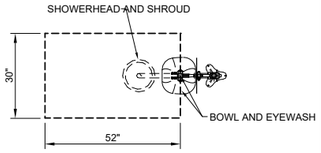
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SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	C.LOHRMANN
DATE ISSUED	MAY 14, 2026
SHEET DESC.	GENERAL NOTES AND DETAILS

A002

SHEET NUMBER # 11 of 36

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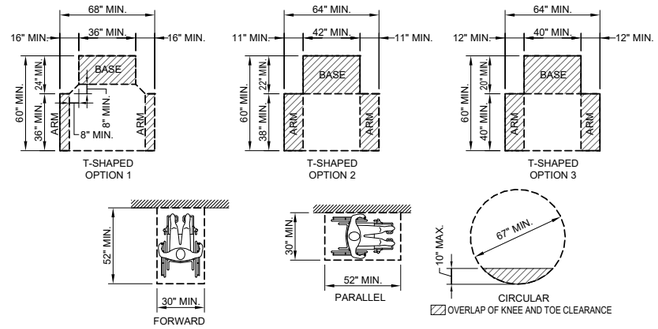
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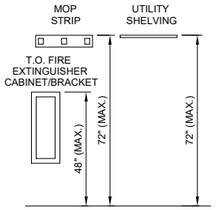
WISCONSIN ADMINISTRATION SPS 332.30 & OSHA 1910.151(C)
WHERE THE EYES OR BODY OF ANY PERSON MAY BE EXPOSED TO INJURIOUS CORROSIVE MATERIALS, SUITABLE FACILITIES FOR QUICK DRENCHING OR FLUSHING OF THE EYES AND BODY SHALL BE PROVIDED WITHIN THE WORK AREA FOR IMMEDIATE EMERGENCY USE.

ANSI Z358.1
DRENCH SHOWER MUST BE CAPABLE OF FLOWING 20 GPM AT 30 PSI. EYE WASH STATION MUST PROVIDE A FLOW OF 0.4 GPM AT 30 PSI. TEPID WATER SHALL BE USED FOR BOTH DRENCH SHOWER AND EYE WASH STATION WITH A WATER RANGE OF 60°-100°F.

EMERGENCY SHOWER/EYEWASH PLAN VIEW
SCALE: N.T.S. A003

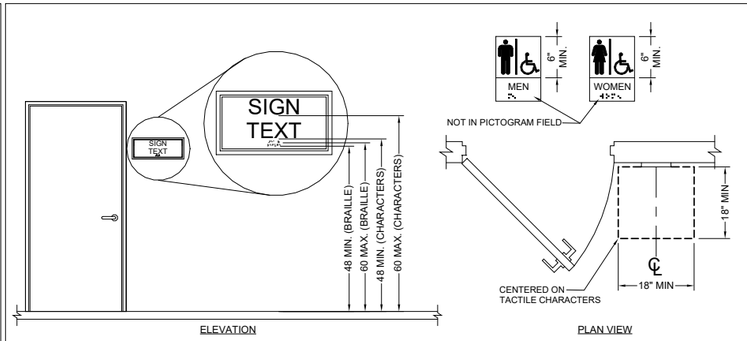


CLEAR FLOOR AND TURNING SPACE FOR NEW BUILDING
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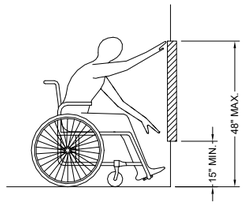


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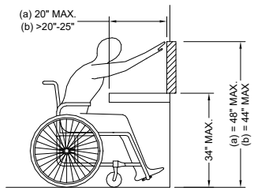
UTILITY ACCESSORIES INSTALL
SCALE: N.T.S. A003



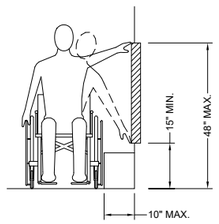
HEIGHT OF RAISED CHARACTERS AND BRAILLE CHARACTERS ABOVE FLOOR
SCALE: N.T.S. A003



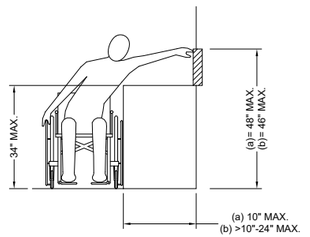
UNOBSTRUCTED FORWARD REACH
SCALE: N.T.S. A003



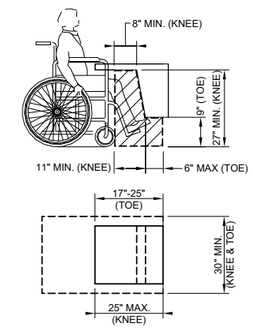
UNOBSTRUCTED HIGH FORWARD REACH
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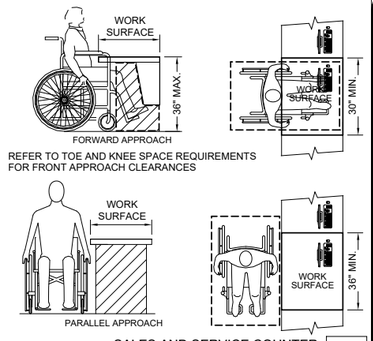
UNOBSTRUCTED SIDE REACH
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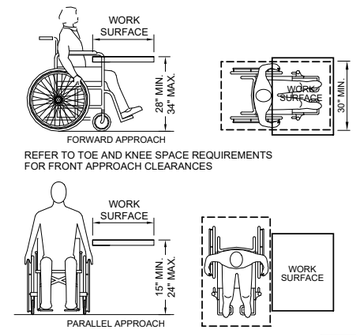
OBSTRUCTED HIGH SIDE REACH
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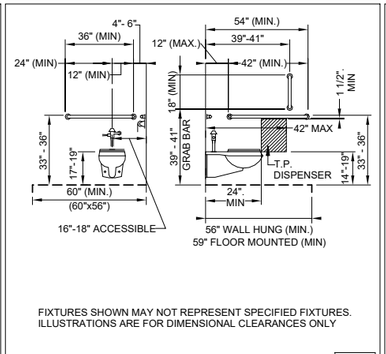
KNEE AND TOE SPACE
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SALES AND SERVICE COUNTER
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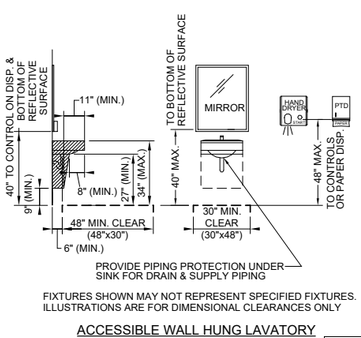


WORK & DINING, & CHECK WRITING SURFACES
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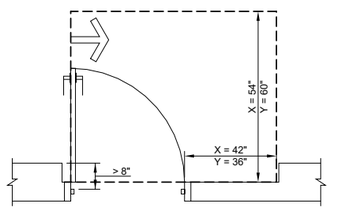
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ACCESSIBLE WATER CLOSET AND ACCESSORIES
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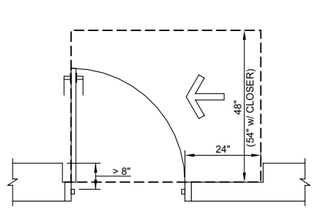


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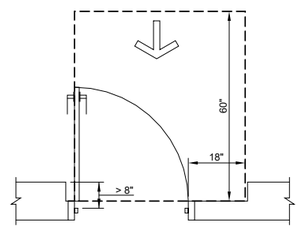
ACCESSIBLE WALL HUNG LAVATORY AND ACCESSORIES
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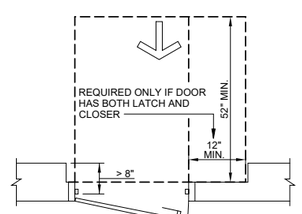
HINGE APPROACH, PULL SIDE, DOOR W/ LATCH
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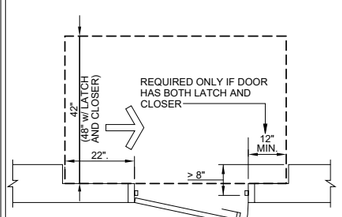
LATCH APPROACH, PULL SIDE, DOOR W/ LATCH
SCALE: N.T.S. A003



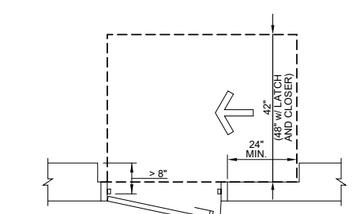
FRONT APPROACH, PULL SIDE, DOOR W/ LATCH AND CLOSER
SCALE: N.T.S. A003



FRONT APPROACH, PUSH SIDE, DOOR
SCALE: N.T.S. A003



HINGE APPROACH, PUSH SIDE, DOOR W/ LATCH
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LATCH APPROACH, PUSH SIDE, DOOR W/ LATCH
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PROPOSED MUNICIPAL WELL #3

DICKEYVILLE, WSCONSIN

PROJECT LOCATION: FOUNDRY WAY
OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

REVISIONS		
No.	DATE	DESCRIPTION

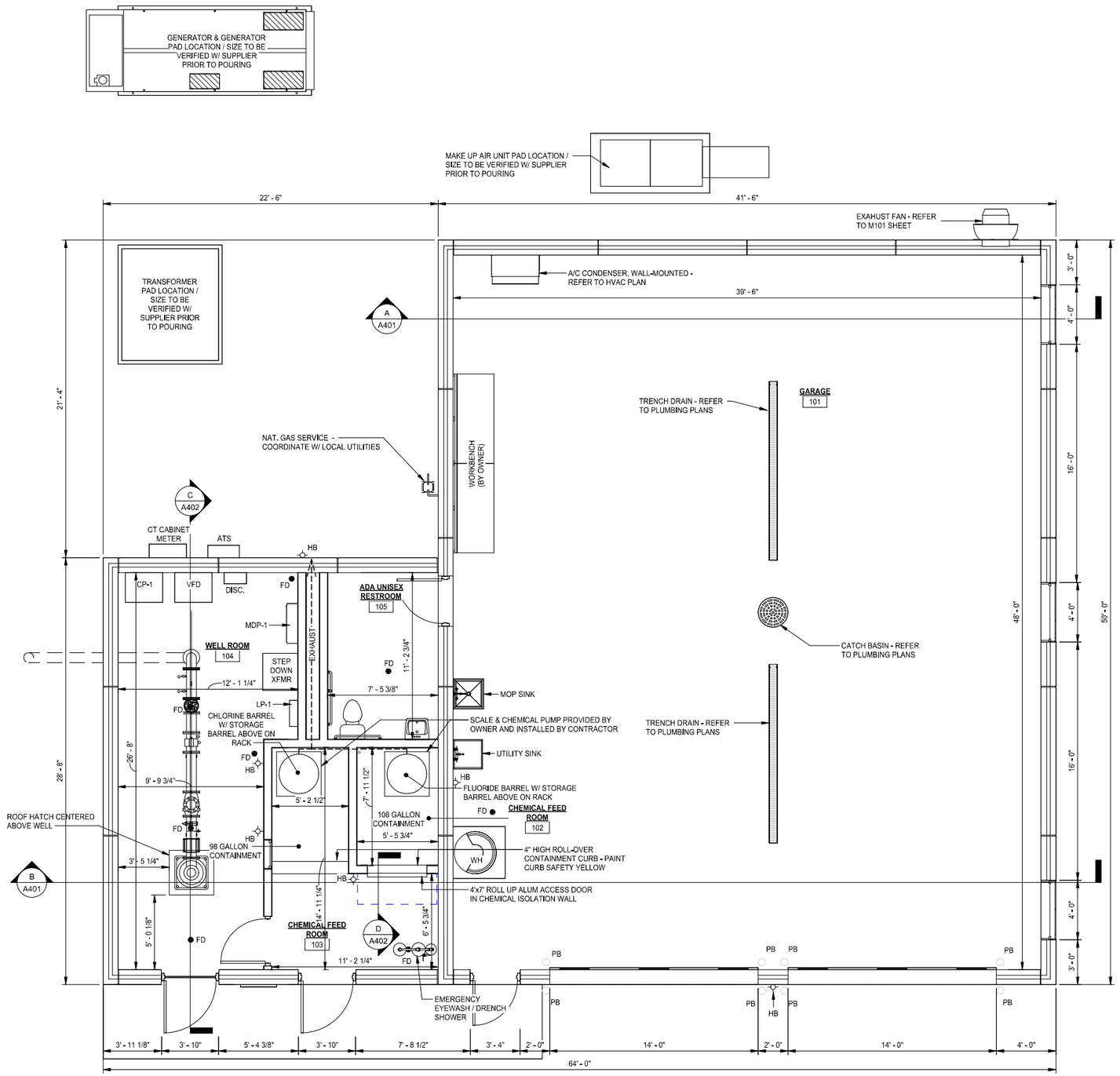
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PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	C.SMOODY
DATE ISSUED	MAY 14, 2026
SHEET DESC.	ACCESSIBILITY DETAILS

A003

SHEET NUMBER # 12 of 36

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REVISIONS		
No.	DATE	DESCRIPTION

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PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	C.LOHRMANN
DATE ISSUED	MAY 14, 2026
SHEET DESC.	FLOOR PLAN

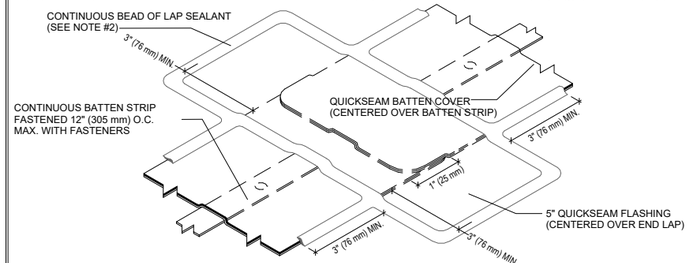
FLOOR PLAN
(24x36) SCALE: 1/4" = 1'-0"
(11x17) SCALE: 1/8" = 1'-0"
A101

A101
SHEET NUMBER # 13 of 36

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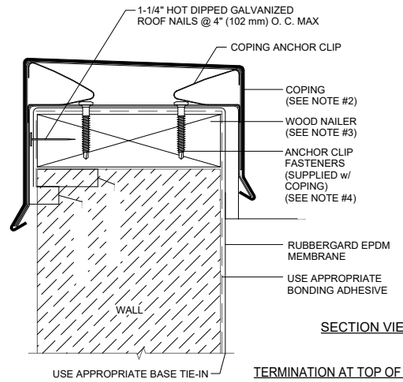
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NOTE:
1. REFER TO MANUFACTURER FOR MOST CURRENT INFORMATION.
2. LAP SEALANT APPLIED AROUND ENTIRE PERIMETER OF 5" QUICKSEAM FLASHING AND 3" (MIN.) PAST FLASHING AT LAPS AS INDICATED. REFER TO SEAM EDGE TREATMENT.
3. USE APPROPRIATE PRIMER TO CLEAN AND PRIME EPDM MATING SURFACES PRIOR TO INSTALLATION OF QUICKSEAM PRODUCTS.



ISOMETRIC VIEW

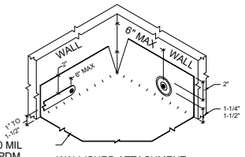
QUICKSEAM BATTEN COVER AT END LAP EPDM DETAIL — SCALE: N.T.S. — A102



SECTION VIEW

NOTE:
1. REFER TO MANUFACTURE FOR MOST CURRENT INFORMATION.
2. FABRICATION AND INSTALLATION IS IN ACCORDANCE WITH CURRENT SMACNA RECOMMENDATIONS. HOWEVER, WATERTIGHT INTEGRITY OF WALL SHALL BE ENSURED BY OTHERS AND EXCLUDED FROM WARRANTY COVERAGE.
3. WOOD NAILER MUST BE INSTALLED TO MEET APPLICABLE BUILDING CODES OR 200 LB PER LINEAR FOOT IN ANY GIVING DIRECTION.
4. FASTEN COPING CLEAT AS PER SUPPLIED INSTRUCTIONS.

TERMINATION AT TOP OF WALL WITH COPING CAP EPDM DETAIL — SCALE: N.T.S. — A102

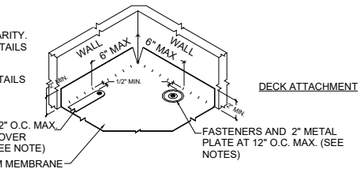


WALL/CURB ATTACHMENT

NOTES:
1. REFER TO SUPPLIER FOR THE MOST CURRENT INFORMATION.
2. MAXIMUM 6" LONG FASTENERS. (NOTE: WOOD BLOCKING MAY BE SUBSTITUTED FOR INSULATION TO REDUCE FASTENER LENGTH REQUIREMENTS.)
3. WHEN BATTEN STRIP IS USED TO SECURE THE EPDM MEMBRANE TO THE WALL, POLYMER OR METAL BATTEN STRIP MAY BE USED FOR WOOD OR METAL SUBSTRATE. METAL BATTEN MUST BE USED WITH MASONRY SUBSTRATE.
4. BATTEN STRIP OR 2" METAL PLATES ARE ACCEPTABLE FOR FASTENING OF EPDM MEMBRANE. BOTH ARE SHOWN IN ORDER TO ILLUSTRATE REQUIRED LAYOUT DIMENSIONS.

BASE FLASHING AND TERMINATION NOT SHOWN FOR CLARITY. REFER TO APPROPRIATE TERMINATION & BASE TIE-IN DETAILS

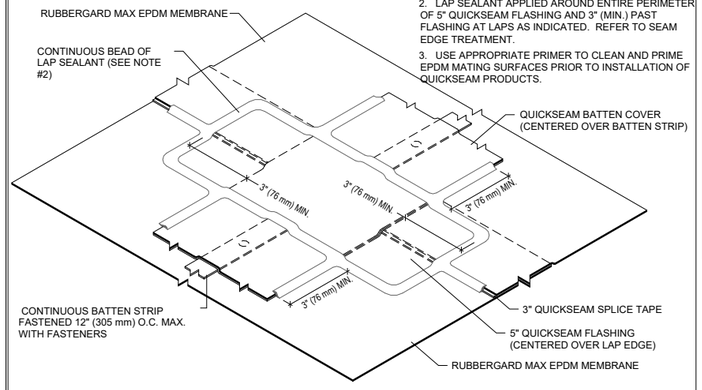
THIS DETAIL IS FOR LAYOUT PURPOSE ONLY AND IS NON-SPECIFIC. REFER TO APPROPRIATE BASE TIE-IN DETAILS FOR SYSTEM SPECIFIC SECUREMENT OPTIONS



DECK ATTACHMENT

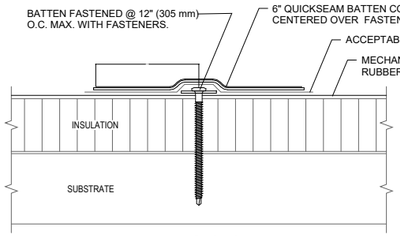
MEMBRANE ATTACHMENT DETAILS — SCALE: N.T.S. — A102

NOTE:
1. REFER TO MANUFACTURER FOR MOST CURRENT INFORMATION.
2. LAP SEALANT APPLIED AROUND ENTIRE PERIMETER OF 5" QUICKSEAM FLASHING AND 3" (MIN.) PAST FLASHING AT LAPS AS INDICATED. REFER TO SEAM EDGE TREATMENT.
3. USE APPROPRIATE PRIMER TO CLEAN AND PRIME EPDM MATING SURFACES PRIOR TO INSTALLATION OF QUICKSEAM PRODUCTS.



ISOMETRIC VIEW

QUICKSEAM BATTEN COVER AT FIELD SEAM EPDM DETAIL — SCALE: N.T.S. — A102

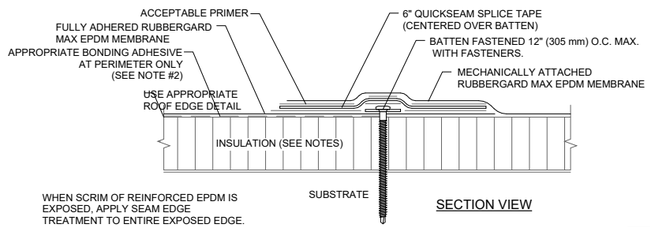


NOTE:
1. REFER TO MANUFACTURER FOR MOST CURRENT INFORMATION.
2. END LAPS OF 6" BATTEN COVER MUST OVERLAP BY MIN. 1".

SECTION VIEW

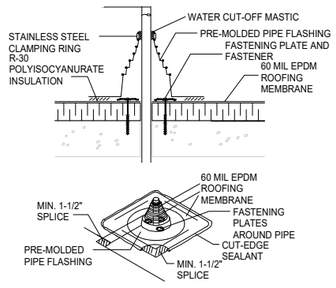
QUICKSEAM BATTEN COVER EPDM DETAIL — SCALE: N.T.S. — A102

NOTE:
1. REFER TO MANUFACTURER FOR MOST CURRENT INFORMATION.
2. APPLY BONDING ADHESIVE AS SHOWN (DO NOT APPLY BEYOND BATTEN STRIP).
3. PERIMETER INSULATION ATTACHED PER FULLY ADHERED SPECIFICATIONS.
4. REFER TO LS-9 FOR SEAM EDGE TREATMENT.



SECTION VIEW

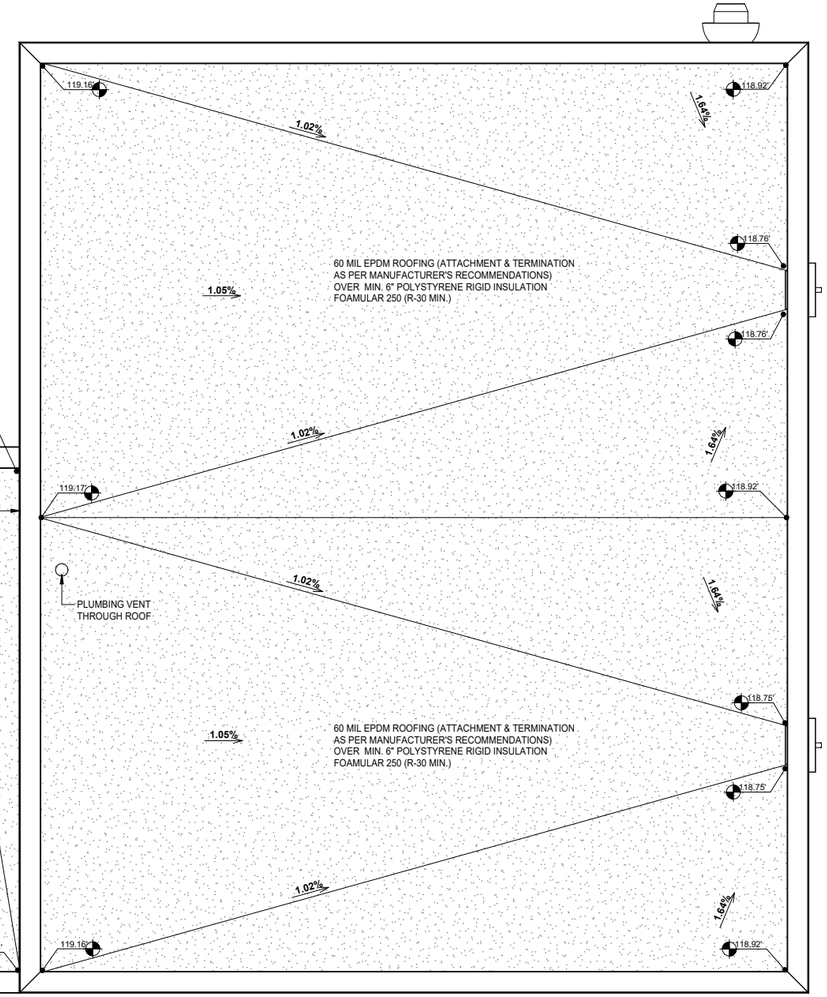
RMAS WITH OPTIONAL ADHERED PERIMETER EPDM DETAIL — SCALE: N.T.S. — A102

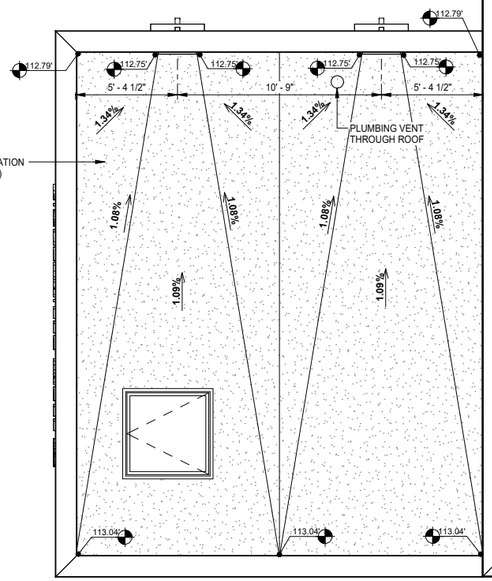


NOTES:
1. REMOVE ALL LEAD AND OTHER FLASHING.
2. TEMP. OF PIPE MUST NOT EXCEED 120°F.
3. PIPE SEAL MUST HAVE INTACT RIB AT EDGE REGARDLESS OF PIPE DIAMETER.
4. INSTALL (3) FASTENERS AND PLATES AROUND PIPE EQUALLY SPACED. FASTENERS MAY ALSO BE POSITIONED 12" MAX. FROM PIPE, FASTENED 12" O.C. AND FLASHED W/ 60 MIL MEMBRANE. FASTENERS AND PLATES ARE NOT REQUIRED ON ADHERED SYSTEMS UNLESS PIPE DIAMETER EXCEEDS 18".
5. IF PLATES CANNOT BE INSTALLED AS SHOWN THEY CAN BE POSITIONED OUTSIDE THE PIPE FLASHING FLANGE.
6. PIPE FLASHING DECK FLANGE MUST BE HOT AIR WELDED A MIN. OF 1 1/2" BEYOND FASTENING PLATES.
7. INSTALL A SECTION OF MEMBRANE OVER SPLICE INTERSECTIONS PRIOR TO INSTALLING PRE-MOLDED FLASHING.

MEMBRANE PENETRATION DETAIL — SCALE: N.T.S. — A102

NOTE!!
ALL EPDM DETAILS IN THIS PLAN SET ARE GENERIC DETAILS. INSTALLATION IS TO BE PER MANUFACTURER RECOMMENDATION AND IN COMPLIANCE W/ WARRANTY REQUIREMENTS. CONTRACTOR / SUPPLIER TO SUBMIT SHOPS TO SUPERVISING PROFESSIONAL FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.





ROOF PLAN — (24x36) SCALE: 1/4" = 1'-0" — (11x17) SCALE: 1/8" = 1'-0" — A102

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FOR QUESTIONS ABOUT THIS PROJECT, PLEASE CONTACT:
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DELTA 3 ENGINEERING, INC.
TELEPHONE: (608) 348-5355

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PROPOSED MUNICIPAL WELL #3

DICKEYVILLE, WSCONSIN

PROJECT LOCATION: FOUNDRY WAY
OWNER: VILLAGE OF DICKEYVILLE; 600 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

REVISIONS

No.	DATE	DESCRIPTION

FOR BID

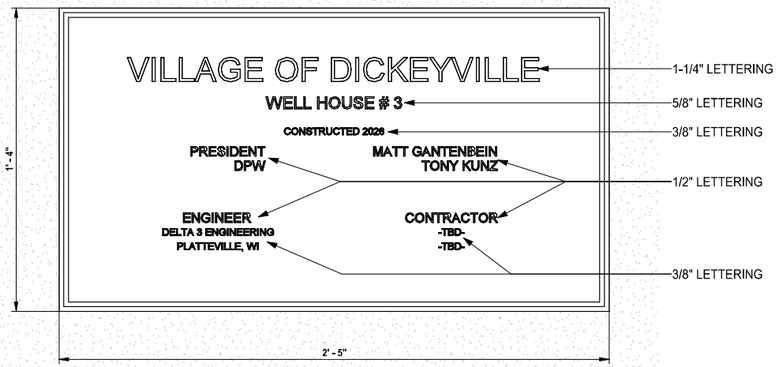
PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	C.LOHRMANN
DATE ISSUED	MAY 14, 2026
SHEET DESC.	ROOF PLAN & DETAILS

A102

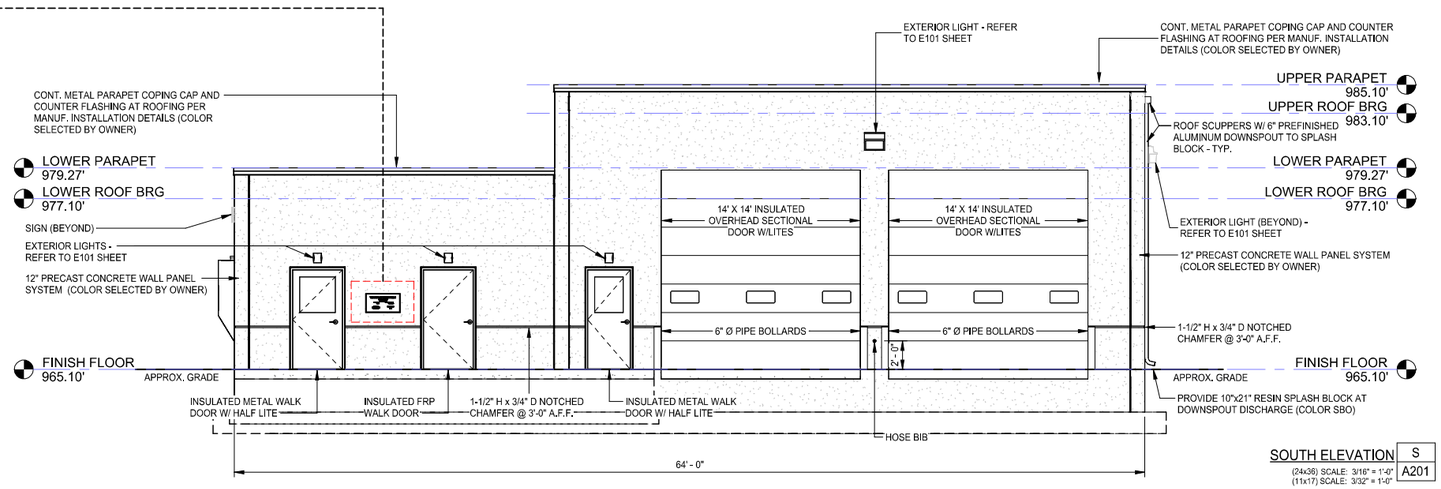
SHEET NUMBER # **14 of 36**

Autosave Docs://023-124 Dickeyville MW#3/Dickeyville Well #3.rvt

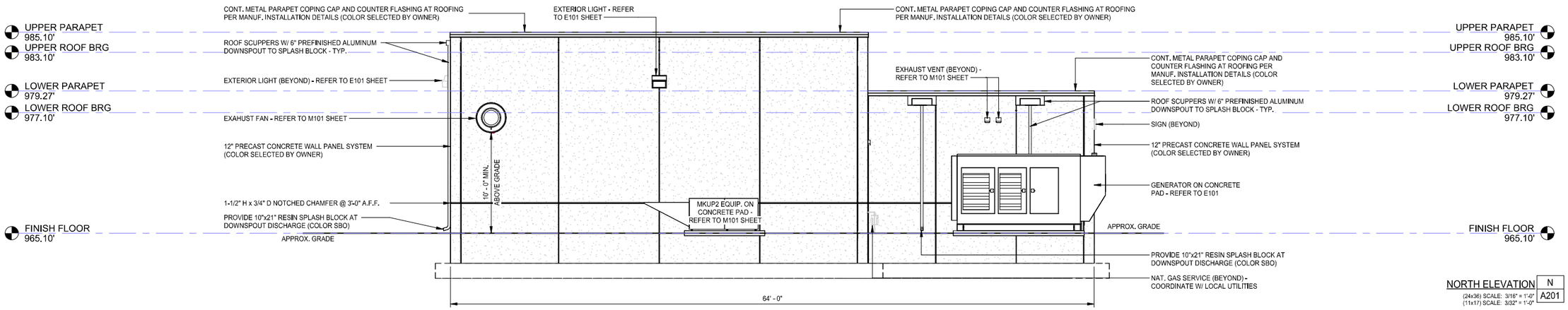
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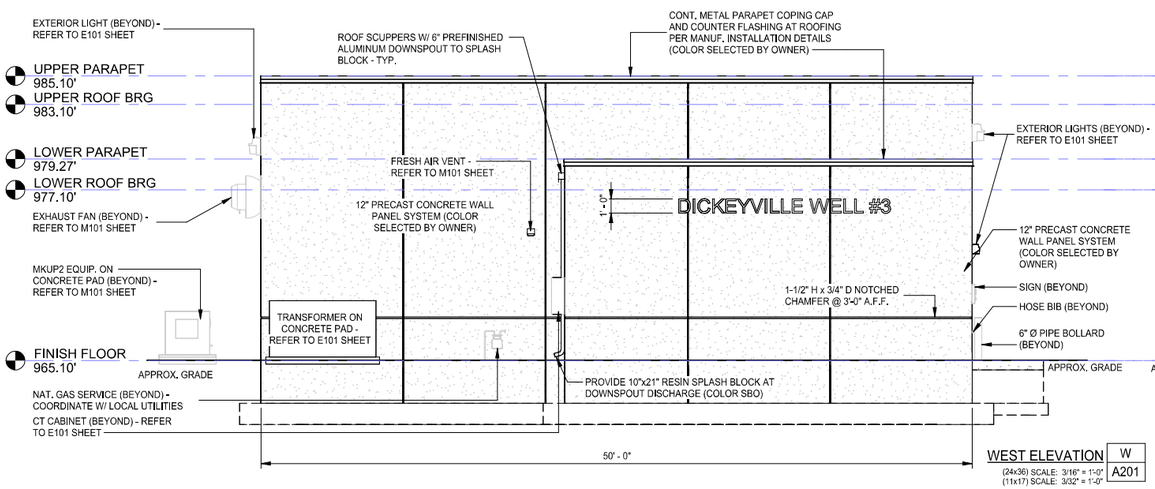
SOUTH ELEV SIGN 1 A201
(24x36) SCALE: 3" = 1'-0"
(11x17) SCALE: 1-1/2" = 1'-0"



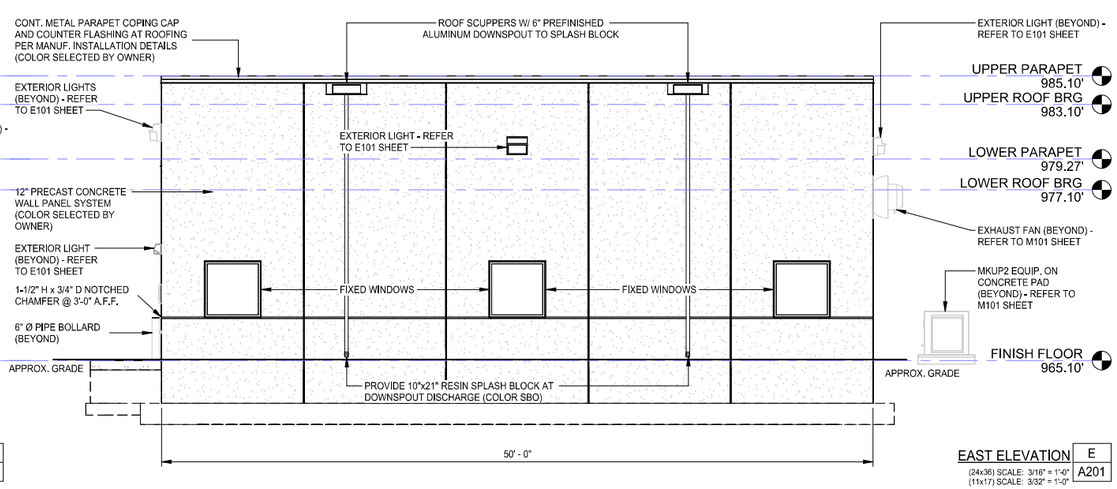
SOUTH ELEVATION S A201
(24x36) SCALE: 3/16" = 1'-0"
(11x17) SCALE: 3/32" = 1'-0"



NORTH ELEVATION N A201
(24x36) SCALE: 3/16" = 1'-0"
(11x17) SCALE: 3/32" = 1'-0"



WEST ELEVATION W A201
(24x36) SCALE: 3/16" = 1'-0"
(11x17) SCALE: 3/32" = 1'-0"



EAST ELEVATION E A201
(24x36) SCALE: 3/16" = 1'-0"
(11x17) SCALE: 3/32" = 1'-0"

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PROPOSED MUNICIPAL WELL #3

DICKEYVILLE, WSCONSIN

PROJECT LOCATION: FOUNDRY WAY
OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

REVISIONS		
No.	DATE	DESCRIPTION

FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	C. LOHRMANN
DATE ISSUED	MAY 14, 2026
SHEET DESC.	EXTERIOR ELEVATIONS

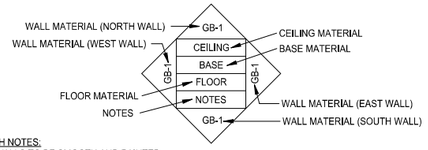
A201

SHEET NUMBER # 15 of 36

Autodesk Docs://D23-124 Dickeyville MW#3/Dickeyville Well #3.rvt

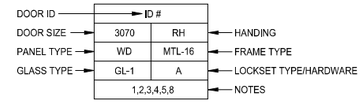
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ROOM FINISH KEY



ROOM FINISH NOTES:
1. ALL GYP WALLS TO BE SMOOTH AND PAINTED.
2. ALL CMU WALLS TO BE PAINTED.
3. WALL TO TOP OF BASE TRIM AND BOTTOM OF BASE TRIM TO FLOOR SHALL BE SEALED WATER TIGHT.
4. HARD CEILING AT BOTTOM OF TRUSSES.
5. 1 HR. FIRE RATED WALLS AND/OR CEILING - REFER TO CODE ANALYSIS SHEET.
6. ALL COLOR SELECTIONS BY OWNER.
7. PVC PANEL TO BE SMOOTH FINISH.
8. PROVIDE AND INSTALL PVC TRIMS/TRANSITIONS AT ALL EDGES PER PVC PANEL MANUFACTURER'S RECOMMENDATIONS.
9. PROVIDE HARDENER IN THE CONCRETE FLOOR TO RESIST SALT.

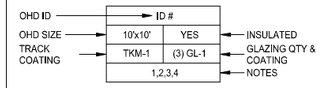
DOOR KEY



LOCKSET TYPE / HARDWARE:
A. PASSAGE SET
B. PRIVACY SET
C. DEADBOLT
D. ELECTRONIC LATCH
E. PANIC HARDWARE
F. KEYED
G. CLOSER, ADA COMPLIANT THRESHOLD, WEATHERSTRIPPING
H. ADA COMPLIANT THRESHOLD, WEATHERSTRIPPING
I. CLOSER

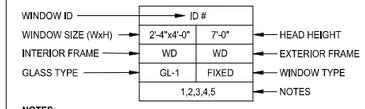
NOTES:
1. DOOR PANEL AND FRAME TO BE INSULATED.
2. NON-INSULATED.
3. 1 HOUR FIRE RATED SYSTEM
4. DOOR HINGES AND HARDWARE COLOR TO BE SELECTED BY OWNER.
5. DOOR COLOR TO BE SELECTED BY OWNER.
6. HALF GLASS 2'x2'-6" .
7. HALF GLASS 2'-6"x2'-6".
8. SEE TABLES C402.4 AND C402.1,3 FOR MINIMUM ENVELOPE PERFORMANCE REQUIREMENTS.
9. PANEL AND FRAME TO BE BLACK ANNODIZED.

OVERHEAD DOOR KEY

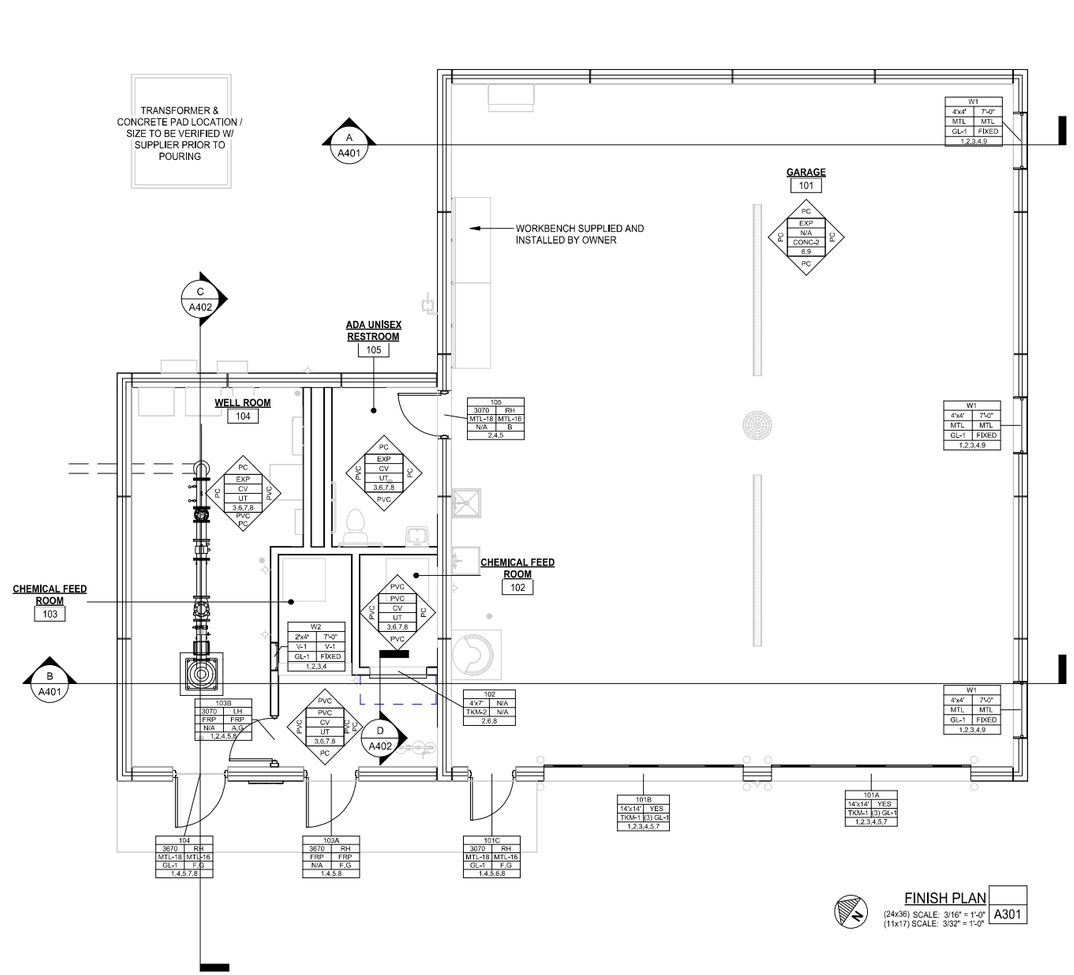


NOTES:
1. SHGC = 0.40
2. OPENER PER MANUFACTURER RECOMMENDATIONS.
3. CHI MODEL 3216 OR EQUAL ASSEMBLY.
4. SEE TABLES C402.4 AND C402.1.3 FOR MINIMUM ENVELOPE PERFORMANCE REQUIREMENTS.
5. TRACK CONFIGURATION - STANDARD LIFT.
6. TRACK CONFIGURATION - ROLL UP.
7. GLAZING SIZE- 24"x10".
8. MANUAL OPERATED ROLL UP DOOR.

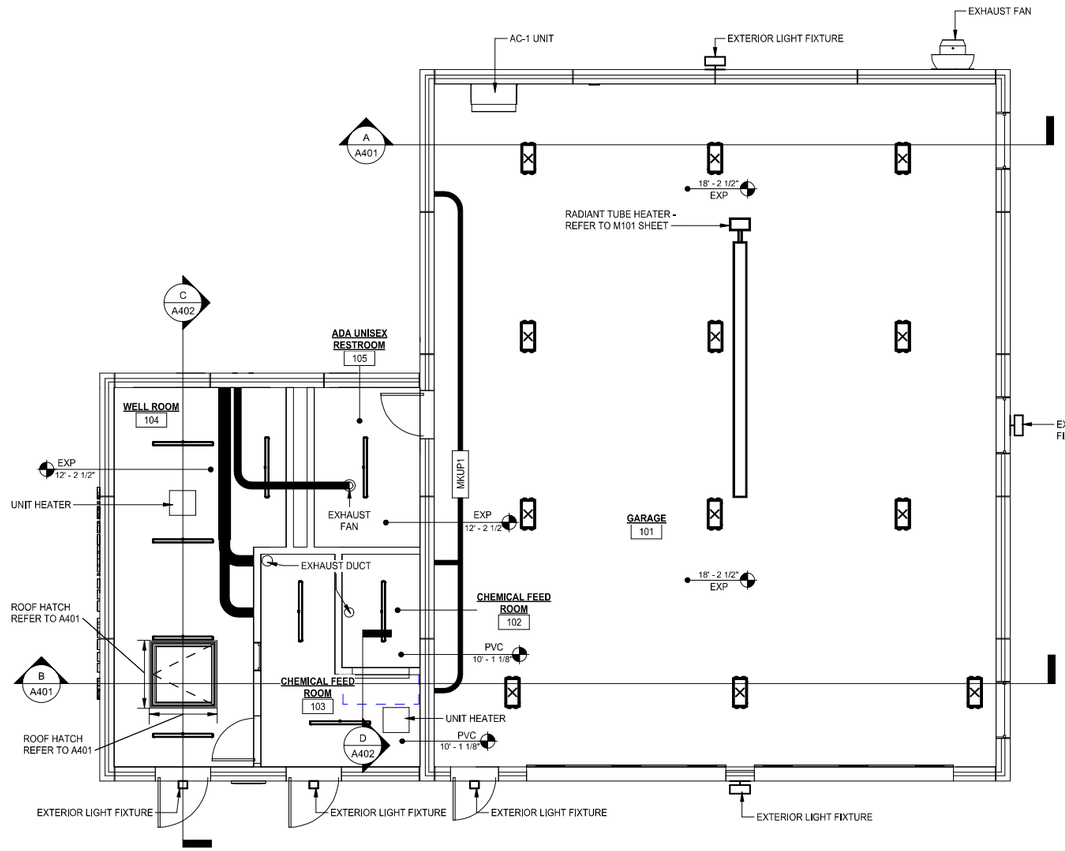
WINDOW KEY



NOTES:
1. GLASS AND FRAME TO BE INSULATED.
2. WINDOW FRAME FINISH AND COLOR TO BE SELECTED BY OWNER.
3. FIELD VERIFY EXACT ROUGH OPENING FOR EACH WINDOW - DIMENSIONS MAY VARY.
4. FRAMES THERMALLY BROKEN.
5. PROVIDE SCREENS
6. DECORATIVE GRILLES.
7. ACRYLIC INTERIOR SILL.
8. PRE-FINISHED INTERIOR WOOD SILL.
9. SEE TABLES C402.4 AND C402,5,2 FOR MINIMUM ENVELOPE PERFORMANCE REQUIREMENTS.
10. SPANDREL GLASS.



FINISH PLAN A301
(24x36) SCALE: 3/16" = 1'-0"
(11x17) SCALE: 3/32" = 1'-0"



REFLECTED CEILING PLAN A301
(24x36) SCALE: 3/16" = 1'-0"
(11x17) SCALE: 3/32" = 1'-0"

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DICKEYVILLE, WSCONSIN

PROJECT LOCATION: FOUNDRY WAY
OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

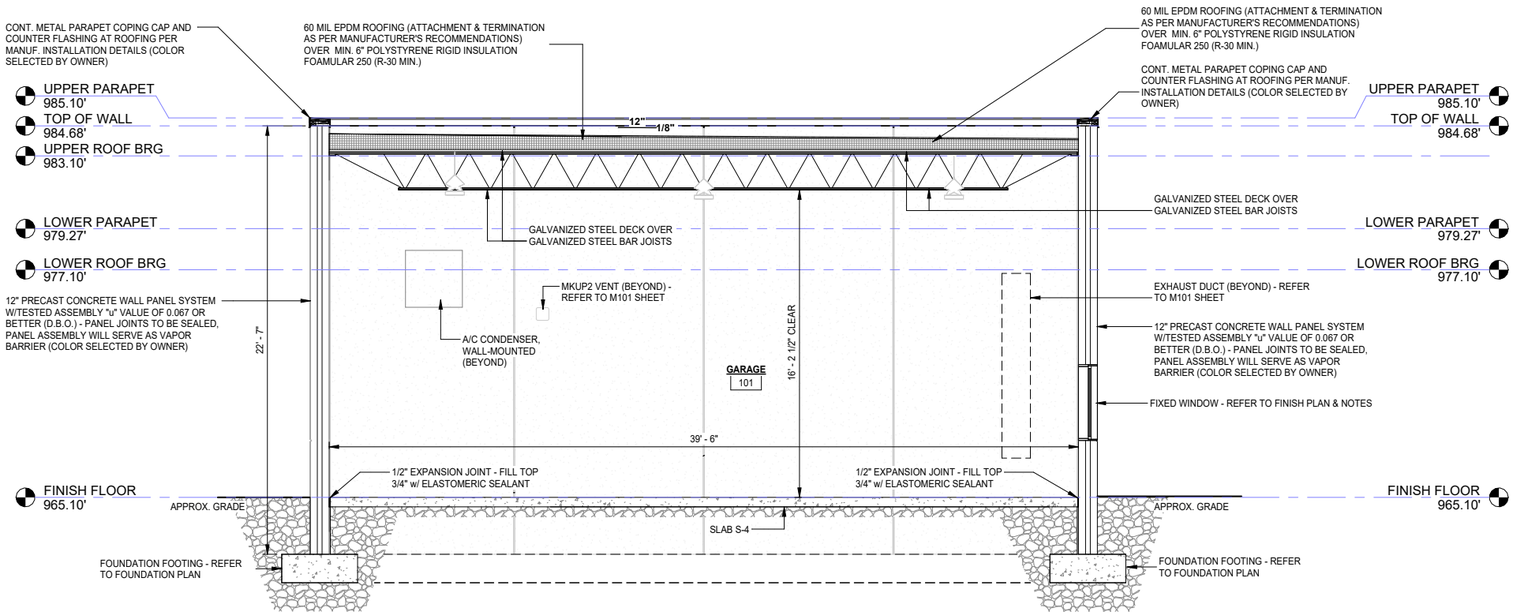
REVISIONS		
No.	DATE	DESCRIPTION

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PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	C.LOHRMANN
DATE ISSUED	MAY 14, 2026
SHEET DESC.	FINISH & REFLECTED CEILING PLAN

A301

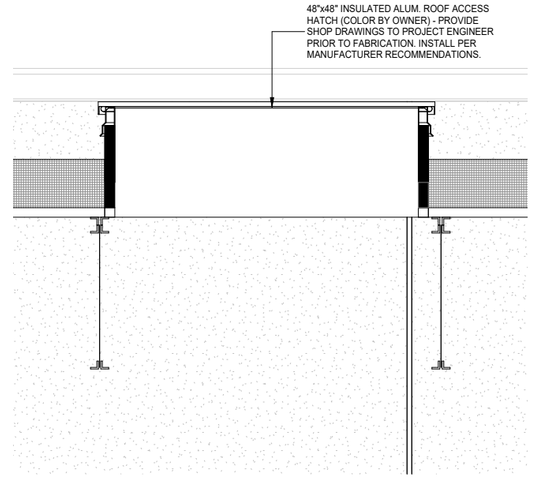
SHEET NUMBER # 16 of 36

Autodesk Docs://D23-124 Dickeyville MW#3/Dickeyville Well #3.rvt



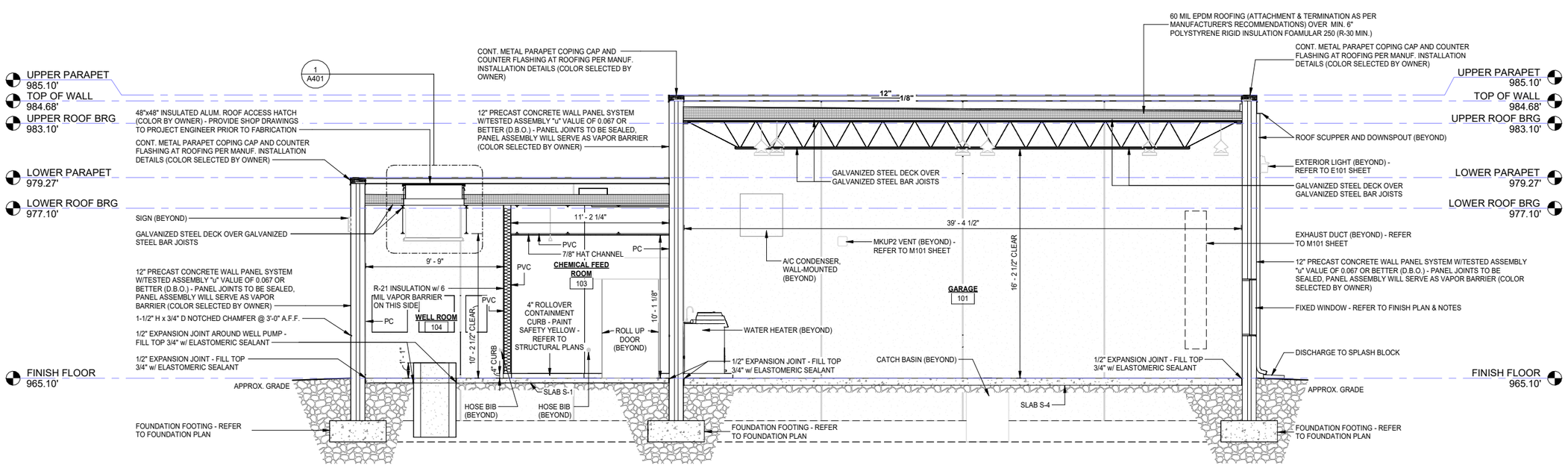
BUILDING CROSS SECTION A | A | A401

(24x36) SCALE: 1/4" = 1'-0"
(11x17) SCALE: 1/8" = 1'-0"



ENLARGED SECTION DETAIL - ROOF HATCH | 1 | A401

(24x36) SCALE: 1" = 1'-0"
(11x17) SCALE: 1/2" = 1'-0"



BUILDING CROSS SECTION B | B | A401

(24x36) SCALE: 1/4" = 1'-0"
(11x17) SCALE: 1/8" = 1'-0"

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OWNER: VILLAGE OF DICKEYVILLE; 600 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

REVISIONS

No.	DATE	DESCRIPTION

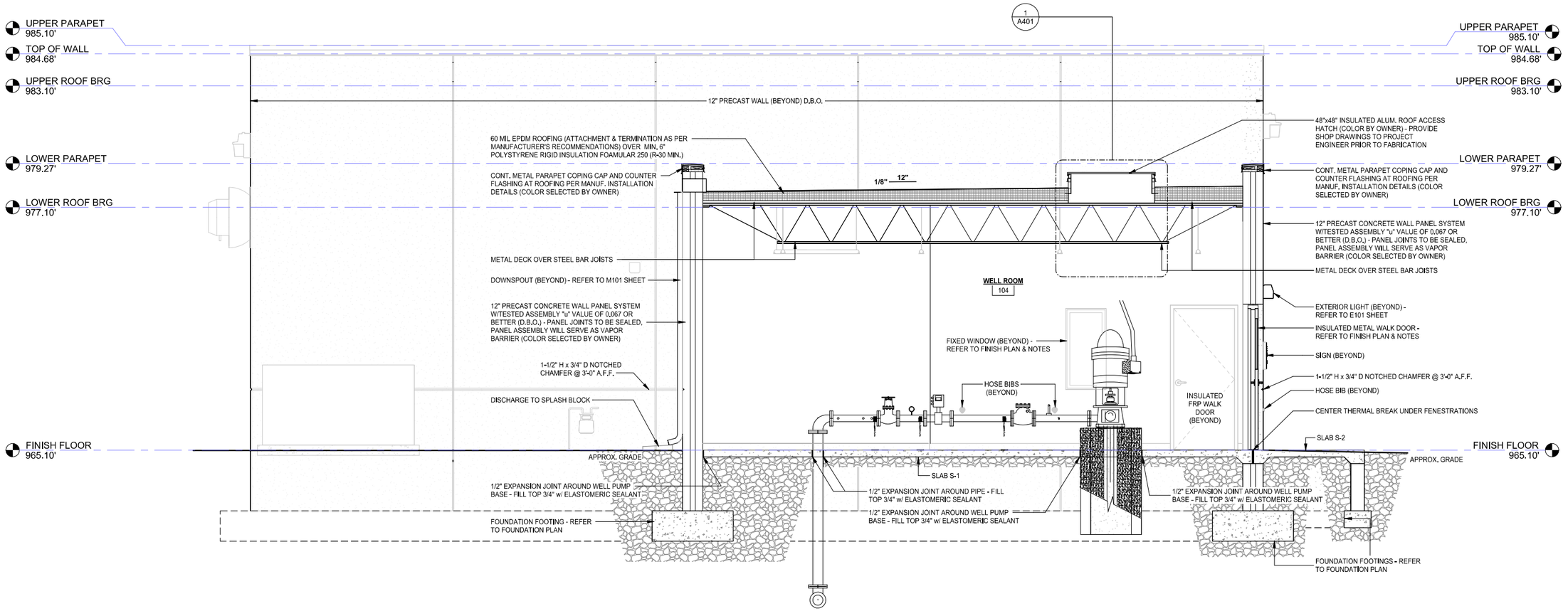
FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	C. LOHRMANN
DATE ISSUED	MAY 14, 2026
SHEET DESC.	BUILDING CROSS SECTIONS

A401

SHEET NUMBER # 17 of 36

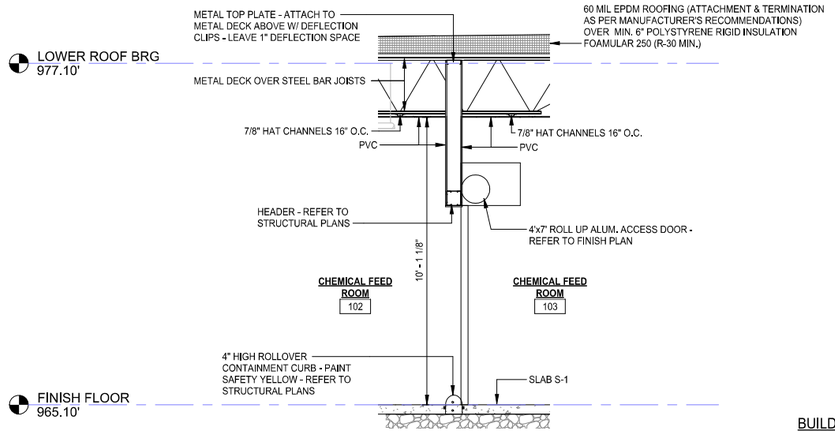
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Autodesk Docs://023-124 Dickeyville MW#3/Dickeyville Well #3.rvt



BUILDING CROSS SECTION C | C | A402

(24x36) SCALE: 3/8" = 1'-0"
(11x17) SCALE: 3/16" = 1'-0"



BUILDING WALL SECTION D | D | A402

(24x36) SCALE: 3/8" = 1'-0"
(11x17) SCALE: 3/16" = 1'-0"

ENGINEER:
DELTA 3
EVERY ANGLE COVERED
PROFESSIONAL CIVIL, MUNICIPAL, & STRUCTURAL ENGINEERING
GRANT WRITING • LAND DEVELOPMENT • PLANNING & CADD SERVICES
675 SOUTH CHESTNUT STREET
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PHONE: (608) 348-5355
898 JACKSON STREET
DUBUQUE, IOWA 52001
PHONE: (563) 542-9005

FOR QUESTIONS ABOUT THIS PROJECT, PLEASE CONTACT:

MR. JORDAN FURE, P.E.
DELTA 3 ENGINEERING, INC.
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PROPOSED MUNICIPAL WELL #3

DICKEYVILLE, WSCONSIN

PROJECT LOCATION: FOUNDRY WAY
DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

OWNER: VILLAGE OF DICKEYVILLE; P.O. BOX 219, DICKEYVILLE, WI 53808

REVISIONS		
No.	DATE	DESCRIPTION

FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	C. LOHRMANN
DATE ISSUED	MAY 14, 2026
SHEET DESC.	BUILDING CROSS SECTIONS

A402

SHEET NUMBER # 18 of 36

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Autodesk Docs://D23-124 Dickeyville MW#3/Dickeyville Well #3.rvt

STRUCTURAL DESIGN CRITERIA

DESIGN DATA:

RISK CATEGORY	III
SNOW LOAD DESIGN CRITERIA:	
GROUND SNOW LOAD (Pg)	30 PSF
SNOW IMPORTANCE FACTOR (Is)	1.1
SNOW EXPOSURE FACTOR (Ce)	1.0
THERMAL FACTOR (Ct)	1.0
ROOF SLOPE FACTOR (Cs)	1.0
FLAT ROOF SNOW LOAD (Pf)	23.1 PSF
SLOPED ROOF SNOW LOAD (Ps)	23.1 PSF
WIND LOAD DESIGN CRITERIA:	
ULTIMATE WIND SPEED (Vult)	115 MPH
NOMINAL WIND SPEED (Vasd)	89 MPH
WIND EXPOSURE CATEGORY	C
DESIGN PRESSURES AS PER ASCE	7-16

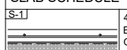
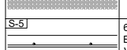
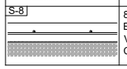
SEISMIC DESIGN CRITERIA:

SEISMIC IMPORTANCE FACTOR (Ie)	1.25
Ss	0.076
Sds	0.081
S1	0.048
Sd1	0.077
SOIL SITE CLASS	D
SEISMIC DESIGN CATEGORY	B
DESIGN LOADS :	
DEAD LOADS	
ROOF	15 PSF
LIVE LOADS	
ROOF (SNOW LOAD GOVERNS)	20 PSF

HEADER SCHEDULE

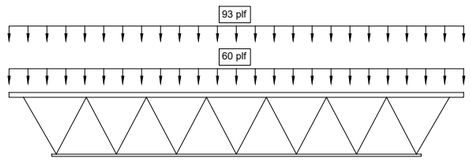
H-1 	(2) PLY 600S162-33 BOX HEADER W/ 600T125-33 TOP/BOTTOM TRACKS W/ #12 PAN HEAD SCREWS AT 12" O.C. BEARING: SINGLE STUD - 1 5/8" (R.O. VARIES)

SLAB SCHEDULE

S-1 	4" CONCRETE FLOOR SLAB W/ #4 BARS AT 24" O.C. EACH WAY OVER 10 MIL VAPOR BARRIER W/ LAPPED AND TAPED SEAMS OVER 6" MIN. OF WELL COMPACTED APPROVED GRANULAR FILL.
S-2 	4" CONCRETE STOOP CAP W/ #4 BARS AT 24" O.C. EACH WAY W/ 2% MAX. SLOPE AWAY FROM BUILDING. COORDINATE W/ CIVIL SHEETS
S-3 	4" CONCRETE EQUIPMENT PAD W/ #4 BARS AT 24" O.C. EACH WAY. PROVIDE 3/8"Ø RAM SET ANCHORS AT 24" O.C. AROUND PERIMETER OF EQUIPMENT PAD. VERIFY PAD SIZE W/ EQUIPMENT SUPPLIER PRIOR TO CONSTRUCTION.
S-4 	6" CONCRETE FLOOR SLAB W/ #5 BARS AT 18" O.C. EACH WAY OVER 10 MIL VAPOR BARRIER W/ LAPPED AND TAPED SEAMS OVER 6" MIN. OF WELL COMPACTED APPROVED GRANULAR FILL.
S-5 	6" CONCRETE EQUIPMENT PAD W/ #5 BARS AT 18" O.C. EACH WAY. ELEVATION TO BE A MIN. OF 3" ABOVE SURROUNDING GRADE. VERIFY PAD SIZE W/ EQUIPMENT SUPPLIER PRIOR TO CONSTRUCTION.
S-6 	6" CONCRETE GENERATOR PAD W/ #5 BARS AT 18" O.C. EACH WAY. ELEVATION TO BE A MIN. OF 3" ABOVE SURROUNDING GRADE. VERIFY PAD SIZE W/ GENERATOR SUPPLIER PRIOR TO CONSTRUCTION. COORDINATE W/ CIVIL SHEETS
S-7 	6" CONCRETE APRON W/ #5 BARS AT 18" O.C. EACH WAY OVER 6" MIN. OF WELL COMPACTED APPROVED GRANULAR FILL. COORDINATE W/ CIVIL SHEETS FOR GRADES AND SLOPES.
S-8 	8" CONCRETE TRANSFORMER PAD W/ #5 BARS AT 18" O.C. EACH WAY. ELEVATION TO BE A MIN. OF 3" ABOVE SURROUNDING GRADE. VERIFY PAD SIZE W/ TRANSFORMER SUPPLIER PRIOR TO CONSTRUCTION. COORDINATE W/ CIVIL SHEETS

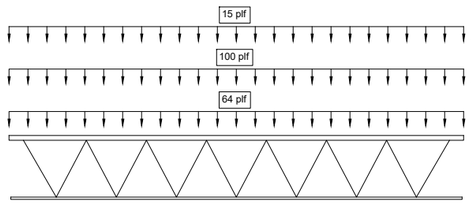
DECK SCHEDULE

D-1 	1.5B-36 22 GA. G60 GALVANIZED METAL DECK. FASTEN DECK TO ALL SUPPORTS W/ #12 SCREWS OR HILTI X-HSN24 POWER ACTUATED FASTENERS W/ 36/4 FASTENING PATTERN AND AT 12" O.C. AT PARALLEL EDGE MEMBERS. PROVIDE (1) #12 SCREW SIDELAP FASTENER PER SPAN. REFER TO METAL PANEL FASTENING PATTERN DETAIL FOR FASTENER LAYOUT.



JOIST DESIGNATION: 26K153/93

JOIST A DESIGN DETAILS

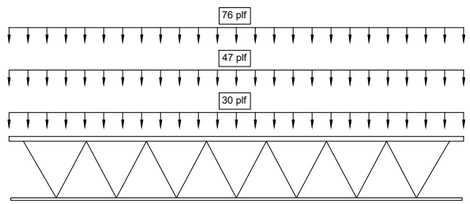


JOIST DESIGNATION: 16K179/115

JOIST DESIGN NOTE:

PROVIDE BOTTOM CHORD CEILING EXTENSIONS OVER CHEMICAL FEED ROOMS 102 AND 103

JOIST B DESIGN DETAILS



JOIST DESIGNATION: 16K155/123

JOIST DESIGN NOTE:

PROVIDE BOTTOM CHORD CEILING EXTENSIONS OVER CHEMICAL FEED ROOMS 102 AND 103

JOIST C DESIGN DETAILS

FOUNDATION LEGEND

- SAW CUT LINE
- FOOTING LINE
- FOUNDATION WALL LINE
- THICKENED SLAB LINE
- WALL KNOCKDOWN REFER TO DETAIL
- EXISTING TO REMAIN

WALL DETAIL DESIGNATION:
0 / 000 — DETAIL ID NUMBER / DETAIL SHEET NUMBER

1033.50' — SPOT ELEVATION MARK

2.0% — FLOOR SLOPE

REENTRANT BARS

FOUNDATION NOTES

SOIL

1. FOUNDATION EXCAVATION, BACKFILLING & COMPACTION TO BE INSPECTED BY A QUALIFIED SOIL TESTING FIRM.
2. SITE SOIL BEARING PRESSURE 1,500 PSF. IF THE FOUNDATION IS NOT ON VIRGIN SOIL, PLACE FOUNDATION ON COMPACTED GRANULAR FILL. (REQUIRED COMPACTION 95% OF MAX DENSITY)
3. MINIMUM 6" WELL COMPACTED FILL UNDER FOOTING AND SLABS. (REQUIRED COMPACTION 95% OF MAX DENSITY).
4. BEFORE BACK FILLING AND COMPACTING SHORE ALL FOUNDATION WALLS.

REINFORCING

1. ALL STEEL REINFORCEMENT TO BE NEW MATERIAL WITHOUT RUST OR SCALE.
2. ALL STEEL REINFORCEMENT MUST HAVE MIN. YIELD STRESS OF 60,000 psi.
3. ALL STEEL REINFORCEMENT MUST HAVE MIN. 3" COVER.
4. REINFORCING #4 & #5 CONT. BARS DELIVERED IN STOCK LENGTH.
5. REINFORCING #4 BARS ARE TO BE FIELD BENT. REINFORCING #5 BARS AND LARGER ARE TO BE SHOP BENT.
6. CONT. REINFORCING TO LAP MIN. 24" AT SPLICES AND SPLICES ARE TO BE STAGGERED 12" MIN.
7. REINFORCEMENT DOWELS THAT ARE TO BE CAST IN FOOTINGS FOR CONCRETE COLUMNS AND WALLS ABOVE ARE TO BE SAME SIZE AS COLUMN OR WALL REINFORCEMENT. REINFORCEMENT FROM FOOTINGS IS TO PROJECT FROM FOOTING 30 BAR DIAMETERS OR AS SPECIFIED IN LAP DETAIL.
8. REINFORCEMENT DOWELS THAT ARE TO BE CAST IN FOOTINGS TO HAVE A 90 DEGREE BEND.
9. ALL REINFORCEMENT DOWELS THAT ARE CAST IN FOOTINGS FOR COLUMNS / PIERS OR WALLS GREATER THAN 4' IN HEIGHT ARE TO BE TIED IN PLACE PRIOR TO FOOTING POUR.

CONCRETE

1. CAST CONCRETE AVOIDING SEGREGATION OF AGGREGATE, ALLOWING CONCRETE TO REMAIN IN PLASTIC CONDITION YET FLOW EASILY AROUND REINFORCEMENT.
2. CONCRETE FOOTINGS ARE CENTERED UNDER WALLS OR COLUMNS UNLESS NOTED OTHERWISE.
3. FOOTING AND FOUNDATION WALL LESS THAN 4' IN HEIGHT ARE TO HAVE AN ULTIMATE COMPRESSIVE STRENGTH OF 3,000 psi AT 28 DAYS.
4. SLAB AND FOUNDATION WALLS GREATER THAN 4' IN HEIGHT ARE TO HAVE ULTIMATE COMPRESSIVE STRENGTH OF 4,000 psi AT 28 DAYS.
5. MAX SLUMP 5" / MAX AGGREGATE ¾" / 6 BAG CEMENT PER CUBIC YARD / EXTERIOR CONCRETE TO HAVE 6% ENTRAINED AIR. NO CALCIUM CHLORIDE ADMIXTURES PERMITTED.
6. HOT WEATHER CONCRETING - REFER TO ACI 306
7. COLD WEATHER CONCRETING - REFER TO ACI 306
8. MEASURING PLACING CONCRETE - REFER TO ACI 306

TESTING

1. CONCRETE TESTING IN ACCORDANCE TO ACI 318-LATEST VERSION TO BE PROVIDED BY GENERAL CONTRACTOR. TEST RESULTS ARE TO BE PROVIDED TO THE FOLLOWING: PROJECT ENGINEER, OWNER, AND REQUIRED SUB CONTRACTORS.

OTHER

1. REFER TO ALL CORRESPONDING PLANS TO ASSURE PROPER DIMENSIONS AND PLACEMENT OF ALL ANCHORS, INSERTS, AND ANY UNDER SLAB UTILITIES.
2. FOR LOCATION OF ANY WALL AND FLOOR CONSTRUCTION JOINTS CONSULT PROJECT ENGINEER. WALL JOINTS AT MAX OF 60' O.C. REINFORCING TO CARRY THROUGH JOINTS; FILL JOINTS W/ ELASTOMERIC SEALANT.
3. STANDARD CURE AND SEAL SEALANT TO BE APPLIED ON ALL NON-EPOXIED FLOOR AREAS.
4. SCREED FLOORS AND SLABS ON GRADE LEVEL, MAINTAINING SURFACE FLATNESS F VALUE OF 25.
5. PROVIDE 10 MIL CLEAR VAPOR BARRIER BENEATH SLAB. LAP JOINTS AS PER MANUFACTURER'S RECOMMENDATIONS.
6. CONCRETE CONTRACTOR TO PROVIDE ACCESSORY CONCRETE PAD FOR CONDENSING UNIT, HEAT PUMP, OR EMERGENCY GENERATOR AS REQUIRED.
7. CONTRACTOR TO SAW CUT SLABS WITHIN 12 HOURS OF PLACEMENT.
8. CONTRACTOR TO FINISH SAW CUTS TO WALL / PIER W/ SMALL DIA. SAW BY PLUNGE CUT METHOD.

COLD WEATHER CONCRETING

1. COLD WEATHER IS DEFINED AS: FOR 3 CONSECUTIVE DAYS EITHER
   - 1.1. THE AVERAGE DAILY TEMPERATURE < 40°
   - 1.2. OR THE AIR TEMPERATURE IS < 50° FOR MORE THAN 12 HOURS IN A 24 HOUR PERIOD.
2. CONCRETE SHALL BE MIXED, PLACED AND MAINTAINED FOR THE DURATION OF THE PROTECTION PERIOD AT TEMPERATURES PROVIDED IN ACI 306.1 TABLE 3.1.
   - 2.1. FOOTING TO BE PROTECTED AND TEMPERATURE MAINTAINED FOR A MINIMUM OF 2 FULL DAYS.
   - 2.2. WALLS AND SLABS TO BE PROTECTED AND TEMPERATURE MAINTAINED FOR A MINIMUM OF 6 FULL DAYS.
     - 2.2.1. THE RECOMMENDED METHOD OF ADDING HEAT IS A GLYCOL SOLUTION PUMPED THROUGH HEATING TUBES. TUBES SHALL BE PLACED ON AN INSULATING SURFACE AND SHALL NOT BE IN DIRECT CONTACT WITH CONCRETE.
     - 2.2.2. IF COMBUSTION HEAT IS USED, A 20 MIL VAPOR BARRIER SHALL BE PLACED OVER CONCRETE BEFORE INSULATING LAYER. COMBUSTION HEATER SHALL BE VENTED TO PREVENT EXCESSIVE CARBON DIOXIDE BUILD UP INSIDE THE MAINTAINED SPACE.
3. CONCRETE TEMPERATURES SHALL BE TESTED AND RECORDED AT MINIMUM TWICE DAILY, WITH A MINIMUM OF 10 HOURS BETWEEN TESTING PERIODS, FOR THE DURATION OF THE PROTECTION PERIOD.
   - 3.1. RECORDS SHALL BE SUBMITTED TO PROJECT ENGINEER DAILY FOR EVALUATION.
   - 3.2. TEMPERATURE SAMPLING TO BE PERFORMED AT THE SAME LOCATIONS FOR THE DURATION OF THE PROTECTION PERIOD.
   - 3.3. WALL AND FOOTING TEMPERATURE SAMPLINGS TO BE PERFORMED AT ALL MAJOR BUILDING CORNERS AND HALFWAY BETWEEN EACH MAJOR BUILDING CORNER OR AS DETERMINED BY PROJECT ENGINEER.
   - 3.4. SLAB ON GRADE TEMPERATURE SAMPLINGS TO BE PERFORMED AT ALL EXTERIOR BUILDING CORNERS, AT DOOR KNOCKDOWNS, AND AT 1 INTERIOR POINT FOR EVERY 1,000 SQ.FT. OF CONCRETE SLAB OR AS DETERMINED BY PROJECT ENGINEER.

ACI 306.1 TABLE 3.1 LATEST EDITION: REQUIRED CONCRETE TEMPERATURES

	SECTION SIZE, MINIMUM DIMENSIONS			
	<12 IN	12-36 IN	36-72 IN	>72 IN
MINIMUM CONCRETE TEMPERATURE AS PLACED AND MAINTAINED				
-	55° F	50° F	45° F	40° F
MINIMUM CONCRETE TEMPERATURE AS MIXED FOR INDICATED TEMPERATURE				
ABOVE 30° F	60° F	55° F	50° F	45° F
0 TO 30° F	65° F	60° F	55° F	50° F
BELOW 0° F	70° F	65° F	60° F	55° F
MAX. ALLOWABLE GRADUAL TEMP. DROP IN FIRST 24 HR AFTER PROTECTION				
-	50° F	40° F	30° F	20° F

SAMPLE MONITORING LOG

PROJECT NAME:	
PROJECT NUMBER:	
DATE:	
AIR TEMP:	
WEATHER CONDITIONS:	
COMPANY NAME:	
TESTER NAME:	
TESTER SIGNATURE:	
LOCATION DESCRIPTION	CONCRETE TEMPERATURE

WALL FRAMING LEGEND

- 600S162-33 METAL STUDS AT 16" O.C NON-BEARING
- 12" TILT-UP PRECAST CONCRETE WALL PANEL

H-1 — HEADER DESIGNATION

BUILDING CROSS SECTION DESIGNATION:
A / 000 — SECTION ID LETTER / SECTION SHEET NUMBER

WALL DETAIL DESIGNATION:
0 / 000 — DETAIL ID NUMBER / DETAIL SHEET NUMBER

COLD FORM CLASSIFICATION TABLE

600 S 162-54

MEMBER DEPTH	TYPE	FLANGE WIDTH	MILS TO GAUGE
250 = 2 1/2"	S = STUD	125 = 1 1/4"	33 = 20 STR ga.
362 = 3 5/8"	T = TRACK	137 = 1 3/8"	43 = 18 ga.
400 = 4"		162 = 1 5/8"	54 = 16 ga.
600 = 6"		200 = 2"	68 = 14 ga.
800 = 8"		250 = 2 1/2"	97 = 12 ga.
1000 = 10"		300 = 3"	118 = 10 ga.
1200 = 12"		350 = 3 1/2"	
1400 = 14"			
1600 = 16"			

GENERAL FRAMING NOTES

1. ALL DIMENSIONS OUT TO OUT OF ROUGH FRAMING.
2. VERIFY ALL R.O. WITH WINDOW & DOOR SUPPLIERS.
3. PROVIDE ALL TEMPORARY/PERMANENT BRACING DURING ERECTION TO ASSURE A SAFE & STABLE STRUCTURE.
4. GENERAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING STATE APPROVED PLAN & APPROVAL LETTER. ALL CHANGES ADDRESSED IN APPROVAL LETTER ARE TO BE MADE.
5. CONTRACTOR TO VERIFY ROUGH OPENINGS WITH MATERIAL SUPPLIERS-ALLOW FOR REQUIRED FINISHES (IE. DRYWALL, TRIM, ETC.)
6. ALL FOUNDATION ANCHORS NOT LABELED ARE TO BE MIN. 1/2"Ø ANCHORS AT 48" O.C. OR 1/4"Øx5" TITEN TURBO SCREW ANCHORS AT 16" O.C.
7. ALL STRUCTURAL LIGHT GAUGE METAL FRAMING INCLUDING BUT NOT LIMITED TO STUDS, JOISTS, AND HEADERS IS TO HAVE A MIN. YIELD STRESS, Fy = 50 ksi.
8. ALL NON-STRUCTURAL LIGHT GAUGE METAL FRAMING INCLUDING BUT NOT LIMITED TO TRACKS AND BLOCKING IS TO HAVE A MIN. YIELD STRESS, Fy = 33 ksi.
9. PROVIDE SLOTTED METAL TOP TRACK OR DEFLECTION CLIPS AT ALL NON-BEARING WALLS THAT ARE TO BE CONNECTED TO ROOF FRAMING TO ALLOW FOR A MIN. 1" VERTICAL DEFLECTION OF ROOF FRAMING.
10. WALL TOP AND BOTTOM TRACK GAUGE IS TO MATCH WALL STUD GAUGE.

STEEL JOIST NOTES

1. ALL JOISTS SHALL BE BE DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STEEL JOIST INSTITUTE (SJI).
2. ALL JOISTS AND JOIST GIRDERS SHALL BE DESIGNED TO SUPPORT THE LOADS AS NOTED.
3. ALL ROOF JOISTS SHALL BE DESIGNED TO RESIST WIND UPLIFT LOADS AS NOTED.
4. ALL JOISTS SHALL BE DESIGNED TO SUPPORT A 250 POUND CONCENTRATED LOAD FROM EITHER CHORD BETWEEN PANEL POINTS WITHOUT THE NEED FOR ADDITIONAL REINFORCEMENT.
5. PROVIDE BRIDGING IN ACCORDANCE W/ SJI.
6. PROVIDE AN ADDITIONAL LINE OF BOTTOM CHORD UPLIFT BRIDGING LOCATED NEAR THE FIRST BOTTOM CHORD PANEL POINT FOR ALL JOISTS DESIGNED TO RESIST UPLIFT.
7. WHERE BRIDGING CONFLICTS WITH DUCTWORK, RELOCATE AND/OR ADD BOLTED OR WELDED X-BRIDGING TO EACH SIDE OF OBSTRUCTION.
8. PROVIDE ALL JOISTS W/ STANDARD SJI CAMBER.
9. ALL JOISTS ARE TO HAVE THE FOLLOWING BEARING SEAT DEPTHS U.N.O.
   - 9.1. K1-12: 2 1/2"
   - 9.2. LH02-17: 5"
   - 9.3. DLH10-17: 5"
10. WHERE JOISTS OF DIFFERENT SERIES BEAR AT THE SAME LOCATION, PROVIDE BOTH JOISTS WITH THE DEEPER JOIST SEAT DEPTH.
11. WELD JOISTS TO SUPPORTING STRUCTURAL STEEL MEMBERS/PLATES W/ THE FOLLOWING MINIMUM FILLET WELDS EACH SIDE OF JOIST U.N.O.
    - 11.1. K1-12: 1/8"x2 1/2"
    - 11.2. LH02-06: 3/16"x2 1/2"
    - 11.3. LH07-17: 1/4"x2 1/2"
    - 11.4. DLH10-17: 1/4"x2 1/2"
12. ALL JOISTS ARE TO BE GALVANIZED.
13. PROVIDE SHOP DRAWINGS TO PROJECT ENGINEER FOR APPROVAL PRIOR TO FABRICATION.

STEEL NOTES

1. THE BUILDER/CONTRACTOR IS RESPONSIBLE FOR ERECTION OF THE STEEL, TEMPORARY BRACING AND SUPPORTS REQUIRED DURING CONSTRUCTION.
2. ALL FIELD WELDING SHALL BE IN ACCORDANCE WITH AWS REQUIREMENTS BY AWS CERTIFIED WELDERS QUALIFIED AS PER INDUSTRY RECOGNIZED WELDING PROCEDURES.
3. ALL WELD MATERIAL TO BE E70XX UNLESS NOTED OTHERWISE.
4. ALL DIMENSIONS RELATING TO BUILDING CLEARANCES TO BE VERIFIED.
5. ALL STRUCTURAL STEEL IS TO BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A123/123M.
6. ALL REPAIRS TO GALVANIZING IN DAMAGED AND WELDED AREAS IS TO BE PERFORMED IN ACCORDANCE WITH ASTM A780.
7. ALL MISC. STEEL TO BE MINIMUM A36 UNLESS NOTED OTHERWISE.
8. DEVIATIONS FROM THE "CONSTRUCTION DRAWINGS" IS NOT PERMITTED WITHOUT WRITTEN CONSENT OF DELTA 3 ENGINEERING.
9. SUBMIT SHOP DRAWINGS TO PROJECT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

MATERIALS:

HOT ROLLED MILL SHAPE	A992
HSS SECTIONS	A500 GRADE B
STRUCTURAL STEEL PLATE	A36
BOLTS	A325

ENGINEER:

DELTA 3
EVERY ANGLE COVERED
PROFESSIONAL CIVIL, MUNICIPAL, & STRUCTURAL ENGINEERING
GRANT WRITING • LAND DEVELOPMENT • PLANNING & CADD SERVICES
875 SOUTH CHESTNUT STREET PLATTEVILLE, WISCONSIN 53818 PHONE: (608) 348-5355
898 JACKSON STREET DUBUQUE, IOWA 52001 PHONE: (563) 542-9055

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

MR. JORDAN FURE, P.E.
DELTA 3 ENGINEERING, INC.
TELEPHONE: (608) 348-5355

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PROPOSED MUNICIPAL WELL #3

DICKEYVILLE, WISCONSIN

PROJECT LOCATION: FOUNDRY WAY

OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

REVISIONS:		
NO.	DATE	DESCRIPTION
AS-BUILT:		BY:
-/-/----		----

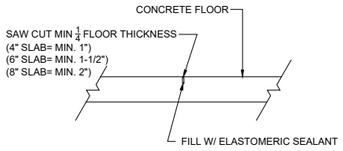
FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	A.COBB
DATE ISSUED	MAY 14, 2026
SHEET DESC.	GENERAL STRUCTURAL NOTES

SHEET TITLE:

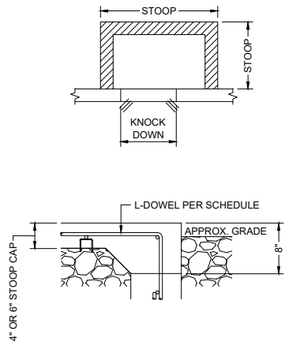
S001

SHEET NUMBER # 19 of 36

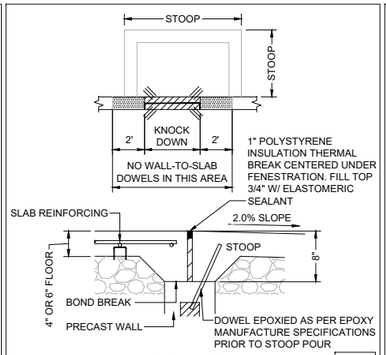
CONTRACTOR NOTE!!
SAWCUT JOINTS WITHIN 24 HOURS OF CONCRETE PLACEMENT. (WITHIN 12 HOURS IS PREFERRED)



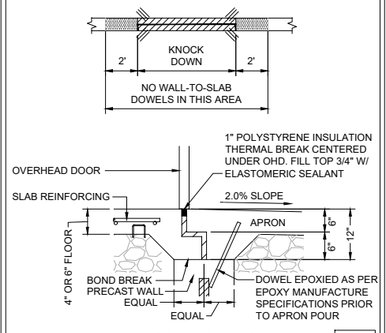
SAWCUT DETAIL
SCALE: N.T.S. S002



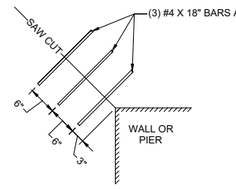
STOOP KNOCK DOWN DETAIL
SCALE: N.T.S. S002



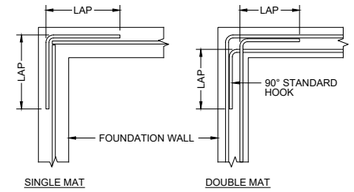
WALK DOOR KNOCK DOWN DETAIL
SCALE: N.T.S. S002



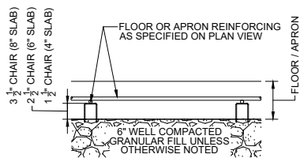
OVERHEAD DOOR KNOCK DOWN DETAIL
SCALE: N.T.S. S002



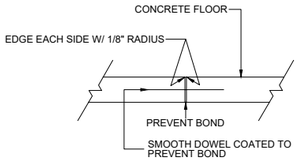
REENTRANT CORNER DETAIL
SCALE: N.T.S. S002



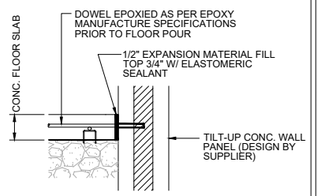
WALL CORNER DETAIL
SCALE: N.T.S. S002



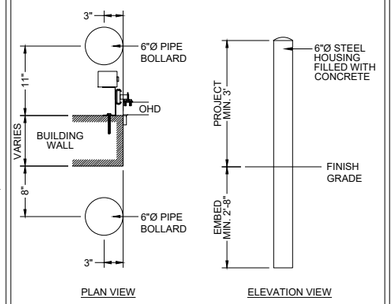
SLAB REINFORCING CHAIR DETAIL
SCALE: N.T.S. S002



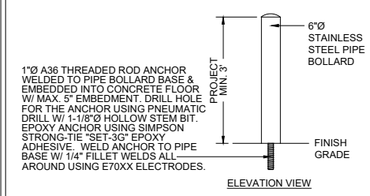
CONSTRUCTION JOINT W/ DOWEL DETAIL
SCALE: N.T.S. S002



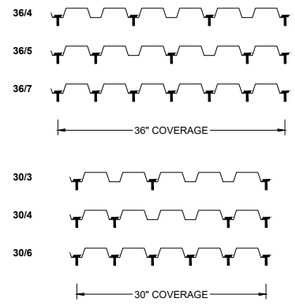
FLOOR TO WALL DETAIL
SCALE: N.T.S. S002



PIPE BOLLARD DETAIL
SCALE: N.T.S. S002

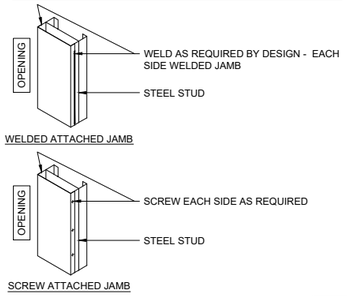


POST INSTALLED PIPE BOLLARD DETAIL
SCALE: N.T.S. S002

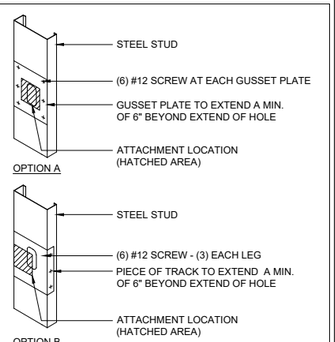


METAL PANEL FASTENING PATTERN DETAIL
SCALE: N.T.S. S002

NOTE:
CAP TRACK EXTEND MIN. 8" BEYOND HEAD AND SILL OR FULL HEIGHT (IF REQUIRED BY DESIGN) SCREW ATTACH AS REQUIRED

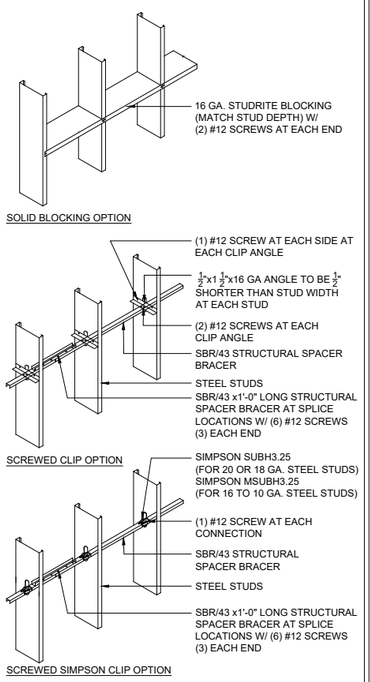


STEEL STUD JAMB ASSEMBLIES
SCALE: N.T.S. S002

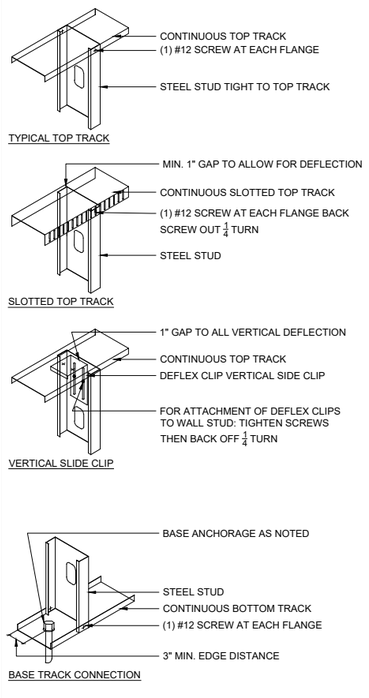


HOLE REINFORCING DETAILS
SCALE: N.T.S. S002

ALL BRIDGING VERTICAL SPACING AT 48" O.C. MAX. (U.N.O.)

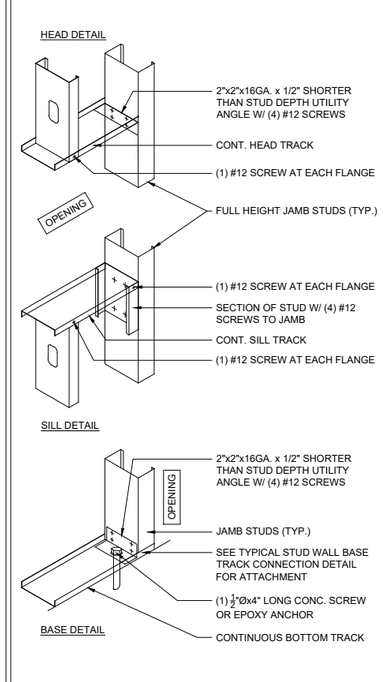


HORIZONTAL BRACING DETAILS
SCALE: N.T.S. S002



STUD WALL DETAILS
SCALE: N.T.S. S002

ALL JAMB STUDS MUST BE ATTACHED TOGETHER.



HEAD/SILL/JAMB/BASE DETAILS
SCALE: N.T.S. S002

ENGINEER:
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898 JACKSON STREET DUBUQUE, IOWA 52001 PHONE: (563) 542-9055
FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:
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DELTA 3 ENGINEERING, INC.
TELEPHONE: (608) 348-5355

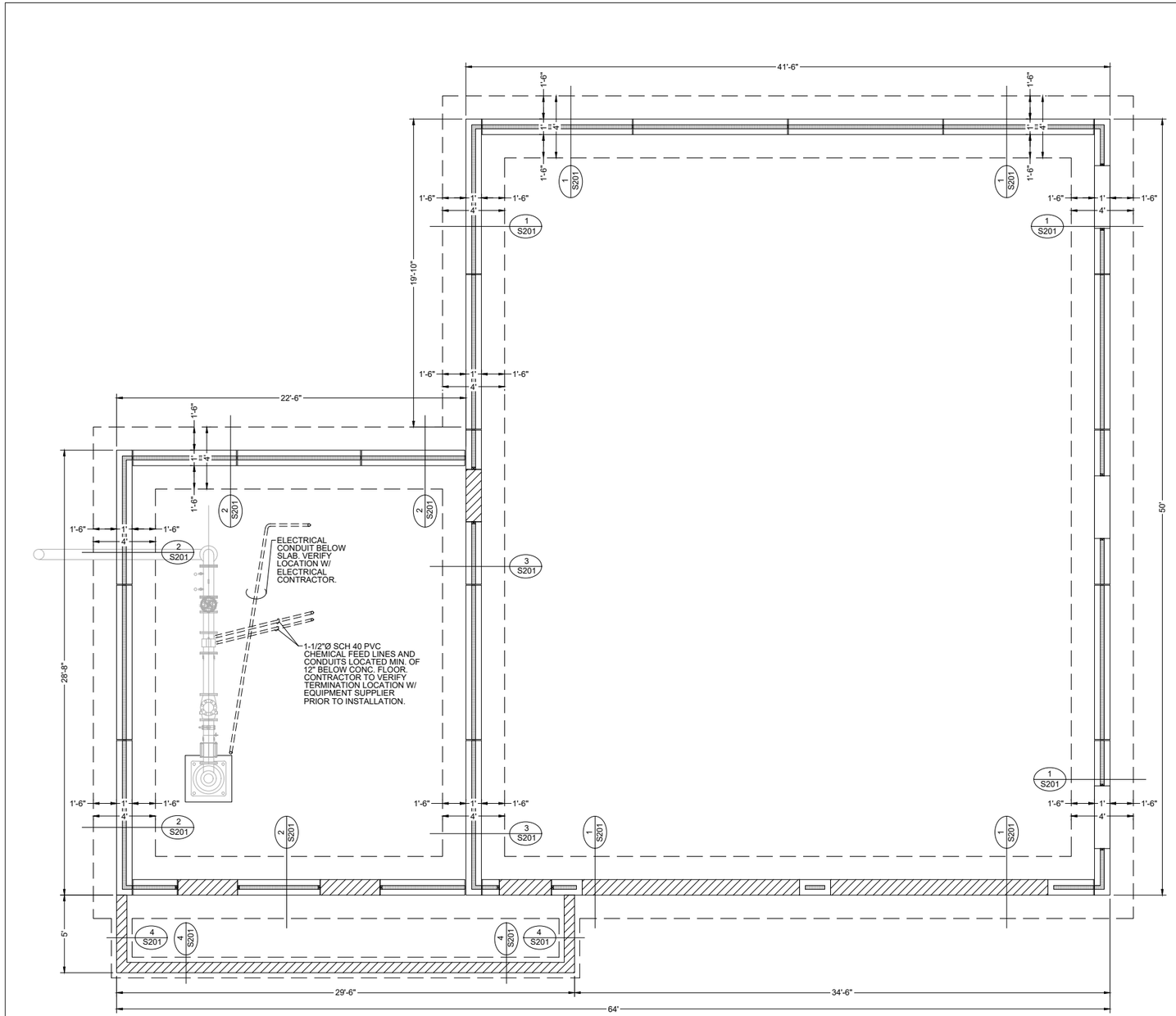
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PROPOSED MUNICIPAL WELL #3
DICKEYVILLE, WISCONSIN
PROJECT LOCATION: FOUNDRY WAY
OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

REVISIONS:		
NO.	DATE	DESCRIPTION
AS-BUILT:		BY:
-/-/----		-.----

FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	A.COBB
DATE ISSUED	MAY 14, 2026
SHEET DESC.	GENERAL STRUCTURAL DETAILS

SHEET TITLE:
S002
SHEET NUMBER # **20 of 36**



FOUNDATION PLAN
SCALE: 1/8"=1'-0" (11x17) 1/4"=1'-0" (24x36) S101

ENGINEER:

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DUBUQUE, IOWA 52001

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

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DELTA 3 ENGINEERING, INC.
TELEPHONE: (608) 348-5355

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PROPOSED MUNICIPAL WELL #3

DICKEYVILLE, WISCONSIN

PROJECT LOCATION: FOUNDRY WAY

OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

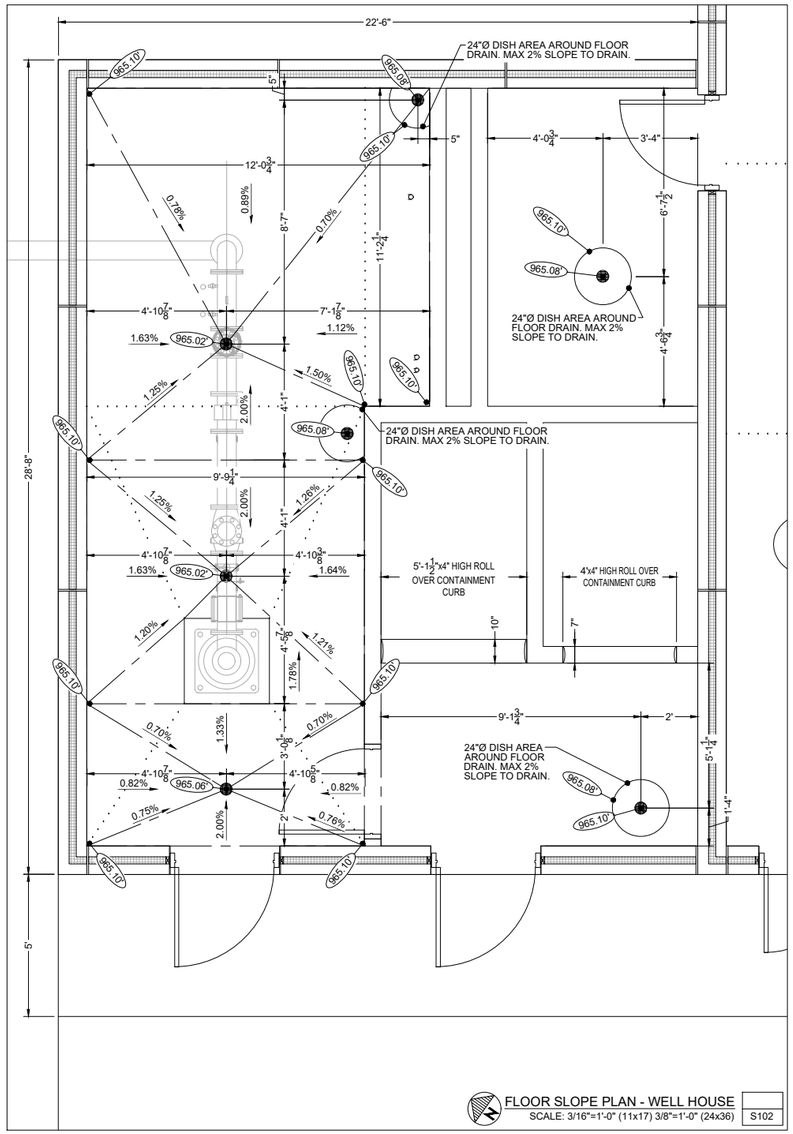
REVISIONS:		
NO.	DATE	DESCRIPTION
AS-BUILT:		BY:

FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	A.COBB
DATE ISSUED	MAY 14, 2026
SHEET DESC.	FOUNDATION PLAN

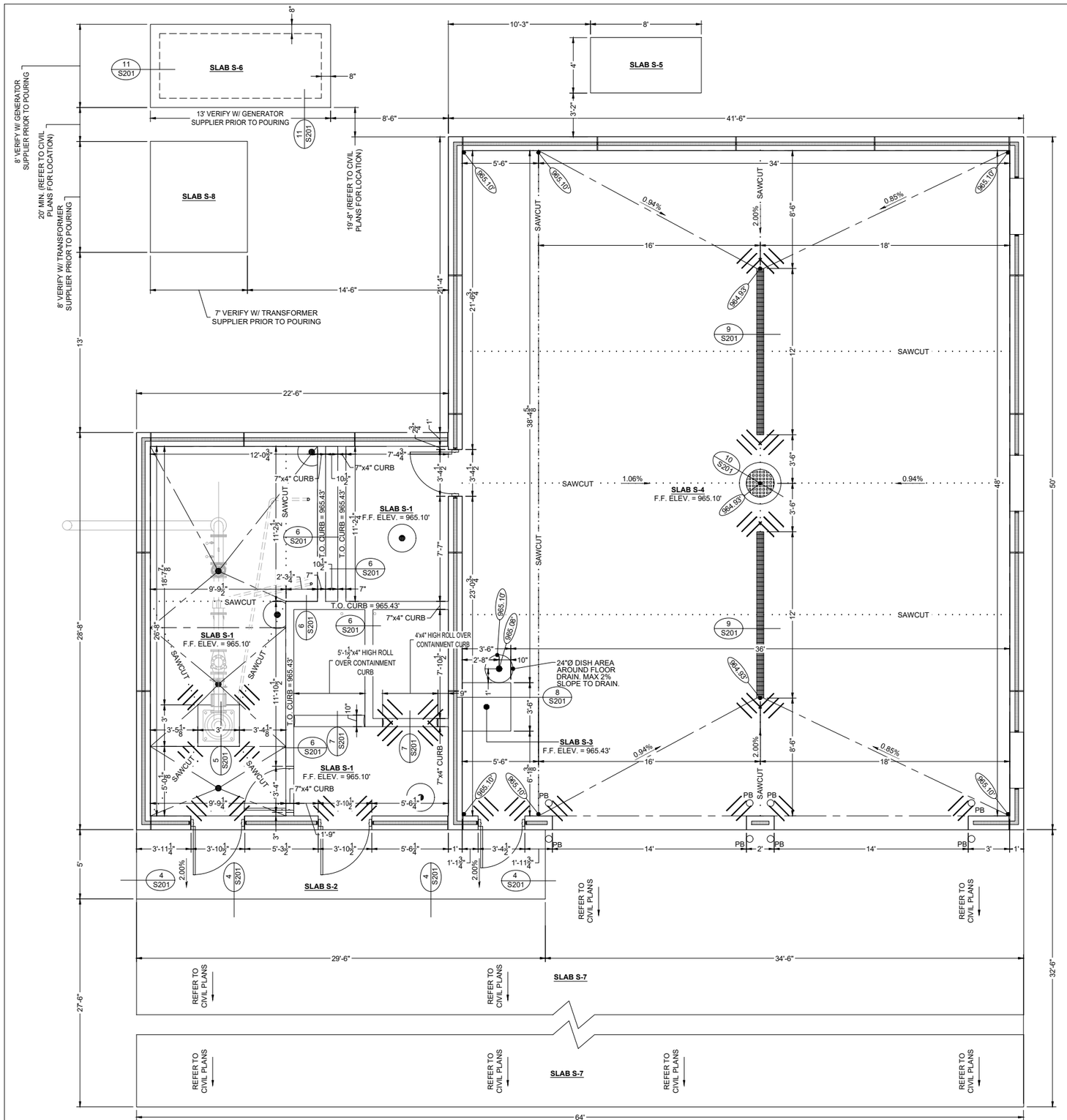
SHEET TITLE:

S101

SHEET NUMBER # **21 of 36**



FLOOR SLOPE PLAN - WELL HOUSE
SCALE: 3/16"=1'-0" (11x17) 3/8"=1'-0" (24x36) S102



SLAB PLAN
SCALE: 1/8"=1'-0" (11x17) 1/4"=1'-0" (24x36) S102

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898 JACKSON STREET PHONE: (563) 542-9055
DUBUQUE, IOWA 52001

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:
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DELTA 3 ENGINEERING, INC.
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PROPOSED MUNICIPAL WELL #3

DICKEYVILLE, WISCONSIN

PROJECT LOCATION: FOUNDRY WAY
OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

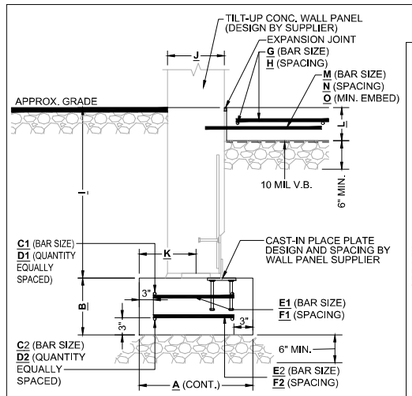
REVISIONS:		
NO.	*DATE*	*DESCRIPTION*
AS-BUILT:		*BY:*

FOR BID	
PROJECT NUMBER	*D23-124*
SHEET SCALE	*AS NOTED WHEN PRINTED AT 24x36*
DRAWN BY	*A.COBB*
DATE ISSUED	*MAY 14, 2026*
SHEET DESC.	*SLAB PLAN*

SHEET TITLE:

S102

SHEET NUMBER # **22 of 36**

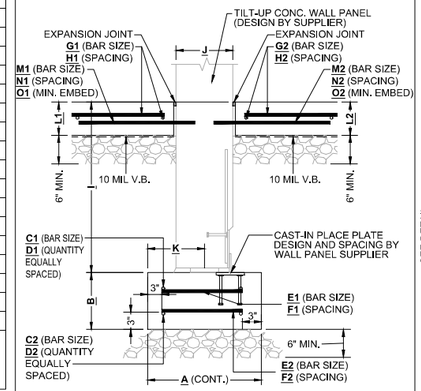


PICTORIAL SHOWN FOR REFERENCE ONLY
REFER TO SCHEDULE DETAILS FOR REBAR QUANTITY/SPACING AND SIZES

SEE DETAIL

	DETAIL ID	
	1	2
A	48"	48"
B	18"	18"
C1	#5	#5
D1	3	3
C2	#5	#5
D2	3	3
E1	#5	#5
F1	18"	18"
E2	#5	#5
F2	18"	18"
G	#5	#4
H	18"	24"
I	3' - 0"	3' - 0"
J	12"	12"
K	24"	24"
L	6"	4"
M	#5	#4
N	36"	48"
O	4"	4"

NOTES:

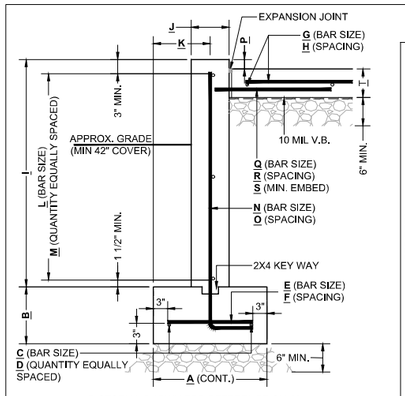


PICTORIAL SHOWN FOR REFERENCE ONLY
REFER TO SCHEDULE DETAILS FOR REBAR QUANTITY/SPACING AND SIZES

SEE DETAIL

	DETAIL ID
	3
A	48"
B	18"
C1	#5
D1	3
C2	#5
D2	3
E1	#5
F1	18"
E2	#5
F2	18"
G1	#4
H1	24"
G2	#5
H2	18"
I	3' - 0"
J	12"
K	24"
L1	4"
M1	#4
N1	48"
O1	4"
L2	6"
M2	#5
N2	36"
O2	4"

NOTES:

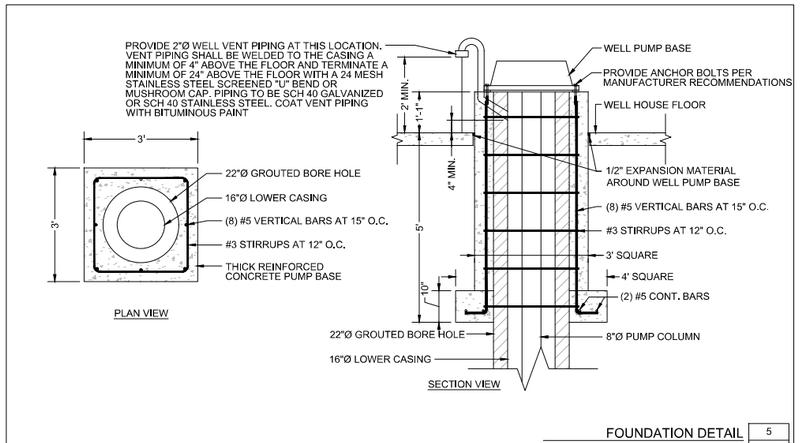


PICTORIAL SHOWN FOR REFERENCE ONLY
REFER TO SCHEDULE DETAILS FOR REBAR QUANTITY/SPACING AND SIZES

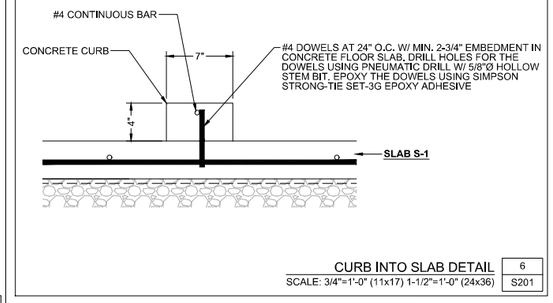
SEE DETAIL

	DETAIL ID
	4
A	16"
B	10"
C	#5
D	2
E	N/A
F	N/A
G	#4
H	24"
I	3' - 0"
J	8"
K	8"
L	#5
M	3
N	#5
O	48"
P	0"
Q	#4
R	48"
S	4"
T	4"

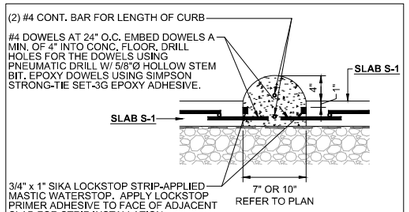
NOTES:
1. REFER TO CROSS SECTION FOR LOCATION & SIZE OF RIGID INSULATION UNLESS NOTED OTHERWISE ON FOUNDATION PLAN.



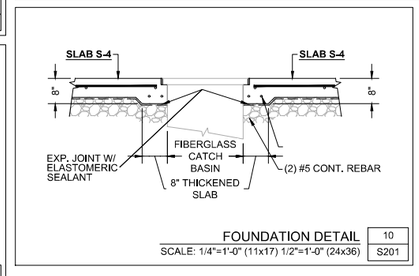
FOUNDATION DETAIL — 5
SCALE: 1/4"=1'-0" (11x17) 1/2"=1'-0" (24x36) — S201



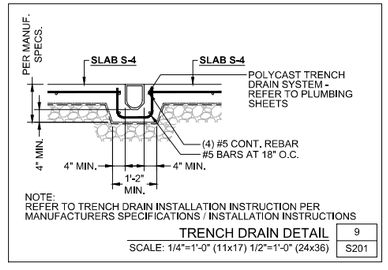
CURB INTO SLAB DETAIL — 6
SCALE: 3/4"=1'-0" (11x17) 1-1/2"=1'-0" (24x36) — S201



FOUNDATION DETAIL — 7
SCALE: 1/2"=1'-0" (11x17) 1"=1'-0" (24x36) — S201

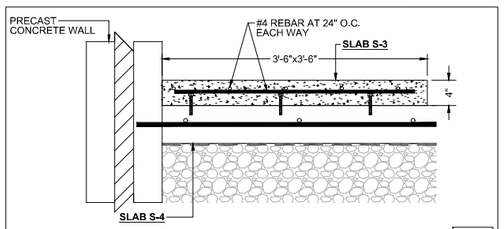


FOUNDATION DETAIL — 10
SCALE: 1/4"=1'-0" (11x17) 1/2"=1'-0" (24x36) — S201

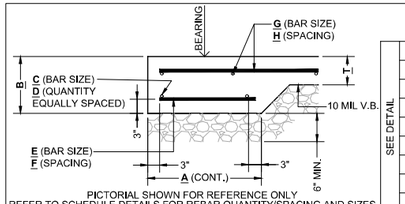


NOTE:
REFER TO TRENCH DRAIN INSTALLATION INSTRUCTION PER MANUFACTURERS SPECIFICATIONS / INSTALLATION INSTRUCTIONS

TRENCH DRAIN DETAIL — 9
SCALE: 1/4"=1'-0" (11x17) 1/2"=1'-0" (24x36) — S201



FOUNDATION DETAIL — 8
SCALE: 1/2"=1'-0" (11x17) 1"=1'-0" (24x36) — S201



PICTORIAL SHOWN FOR REFERENCE ONLY
REFER TO SCHEDULE DETAILS FOR REBAR QUANTITY/SPACING AND SIZES

SEE DETAIL

	DETAIL ID
	11
A	8"
B	8"
C	#5
D	2
E	N/A
F	N/A
G	#5
H	18"
T	6"

NOTES:

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PROPOSED MUNICIPAL WELL #3

DICKEYVILLE, WISCONSIN

PROJECT LOCATION: FOUNDRY WAY
OWNER: VILLAGE OF DICKEYVILLE, 500 EAST AVENUE, P.O. BOX 219, DICKEYVILLE, WI 53808

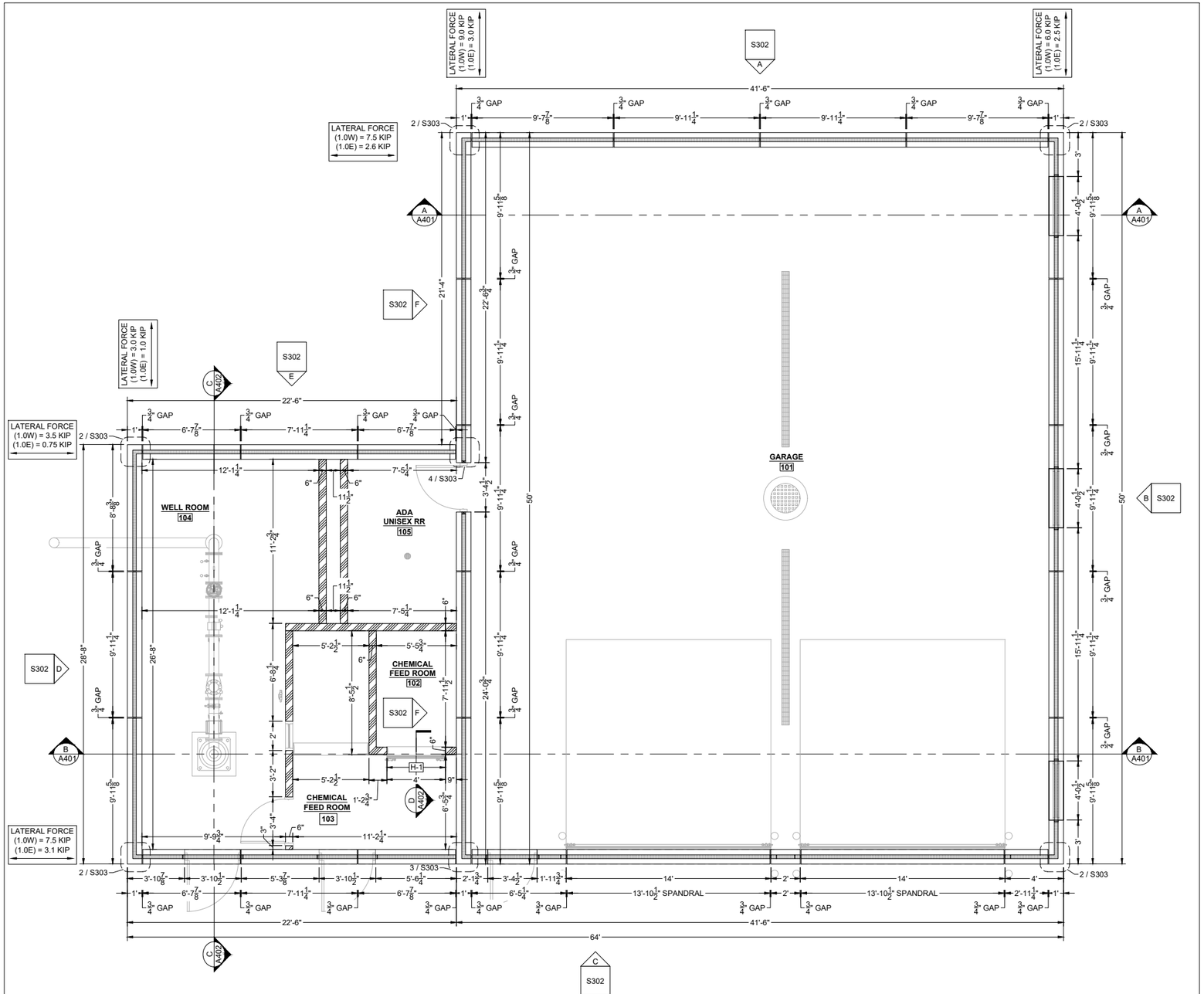
REVISIONS:		
NO.	DATE	DESCRIPTION
AS-BUILT:		BY:
-/-/----		------

FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	A.COBB
DATE ISSUED	MAY 14, 2026
SHEET DESC.	FOUNDATION DETAILS

SHEET TITLE:

S201

SHEET NUMBER # **23 of 36**



FRAMING AND DIMENSIONING PLAN
SCALE: 1/8"=1'-0" (11x17) 1/4"=1'-0" (24x36) S301

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TELEPHONE: (608) 348-5355

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PROPOSED MUNICIPAL WELL #3

DICKEYVILLE, WISCONSIN

PROJECT LOCATION: FOUNDRY WAY

OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

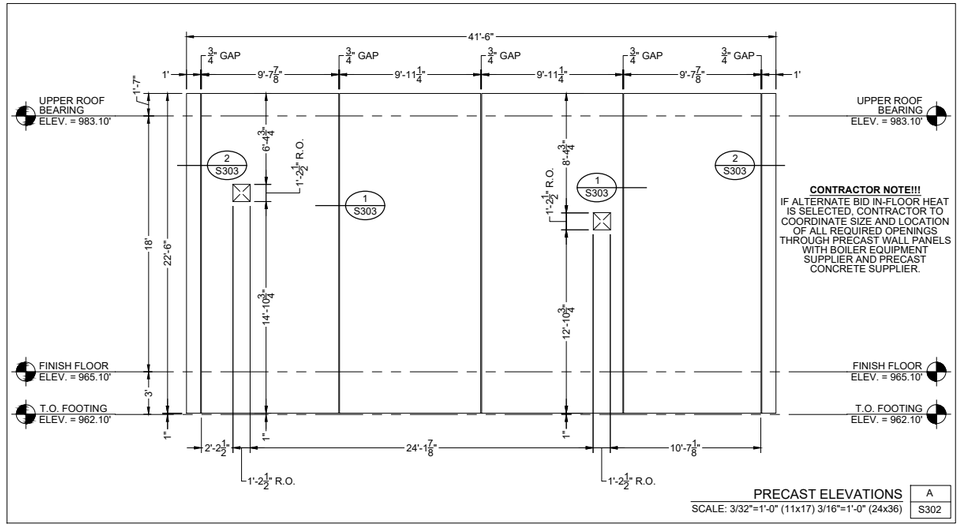
REVISIONS:		
NO.	*DATE*	*DESCRIPTION*
AS-BUILT:		*BY:*
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FOR BID	
PROJECT NUMBER	*D23-124*
SHEET SCALE	*AS NOTED WHEN PRINTED AT 24x36*
DRAWN BY	*A.COBB*
DATE ISSUED	*MAY 14, 2026*
SHEET DESC.	*FRAMING AND DIMENSIONING PLAN*

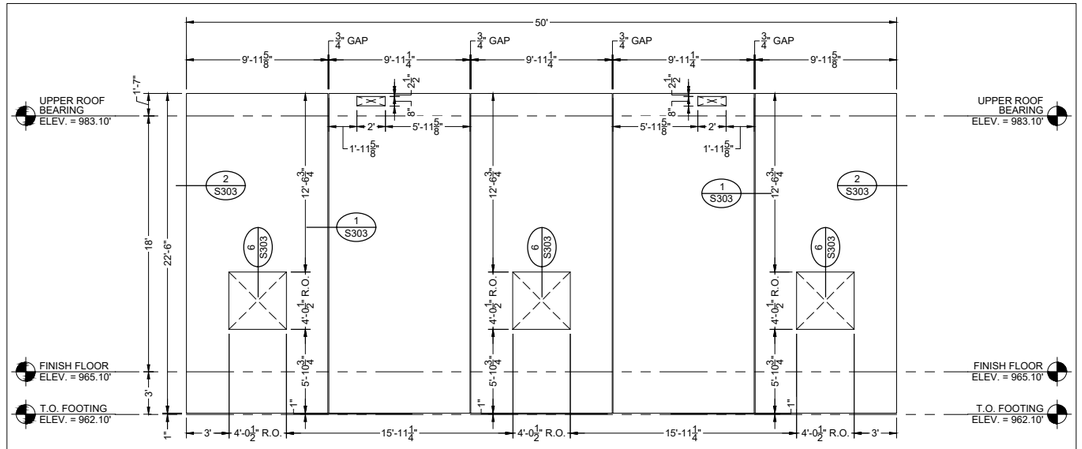
SHEET TITLE:

S301

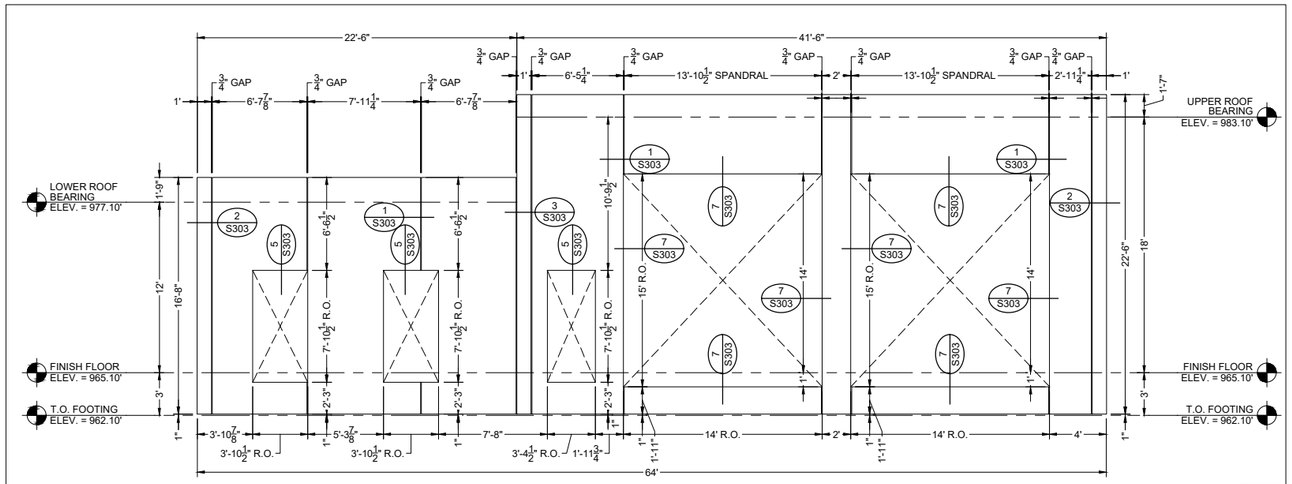
SHEET NUMBER # **24 of 36**



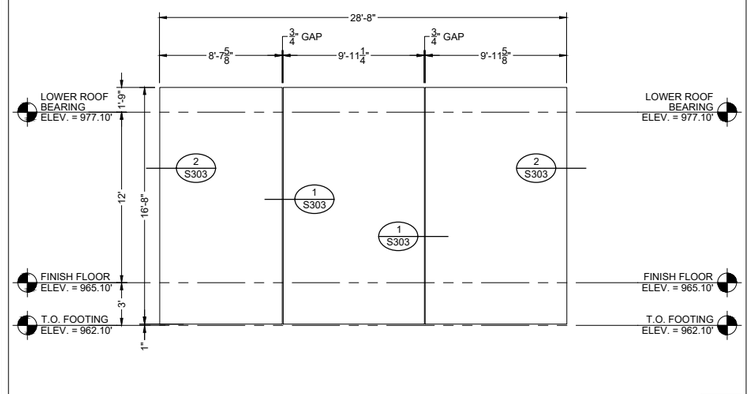
PRECAST ELEVATIONS A S302
SCALE: 3/32"=1'-0" (11x17) 3/16"=1'-0" (24x36)



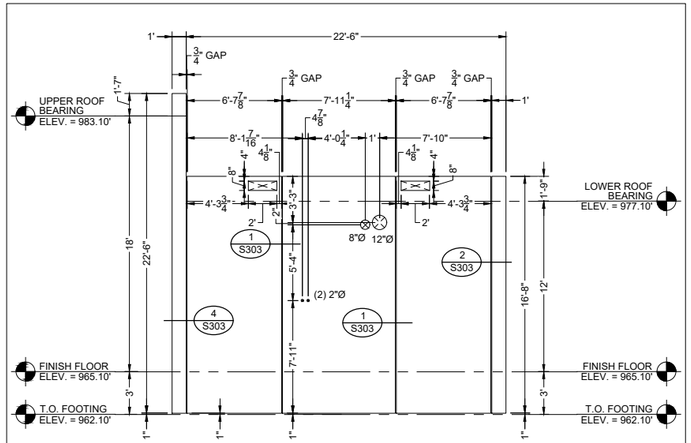
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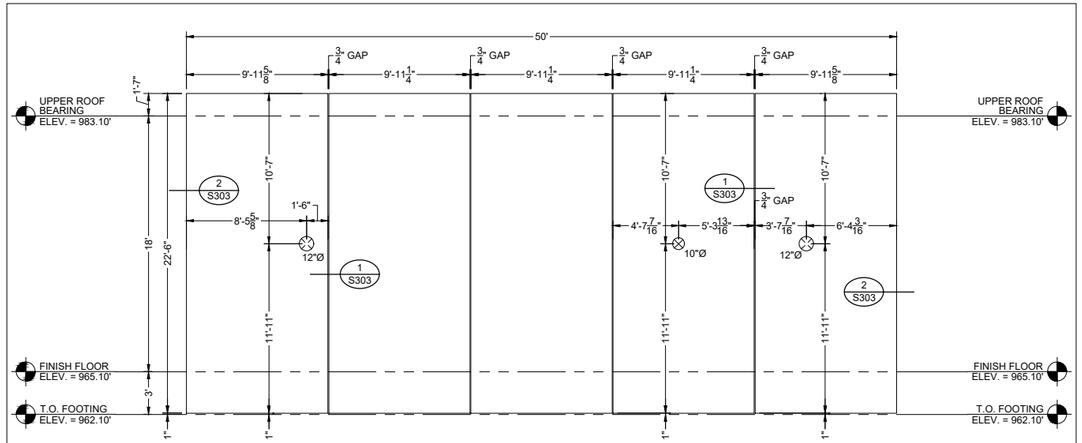
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SCALE: 3/32"=1'-0" (11x17) 3/16"=1'-0" (24x36)



PRECAST ELEVATIONS D S302
SCALE: 3/32"=1'-0" (11x17) 3/16"=1'-0" (24x36)



PRECAST ELEVATIONS E S302
SCALE: 3/32"=1'-0" (11x17) 3/16"=1'-0" (24x36)



PRECAST ELEVATIONS F S302
SCALE: 3/32"=1'-0" (11x17) 3/16"=1'-0" (24x36)

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PLATTEVILLE, WISCONSIN 53818
898 JACKSON STREET PHONE: (563) 542-9055
DUBUQUE, IOWA 52001

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

MR. JORDAN FURE, P.E.
DELTA 3 ENGINEERING, INC.
TELEPHONE: (608) 348-5355

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PROPOSED MUNICIPAL WELL #3

DICKEYVILLE, WISCONSIN

PROJECT LOCATION: FOUNDRY WAY

OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

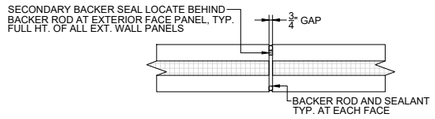
REVISIONS:		
NO.	DATE	DESCRIPTION
AS-BUILT:		BY:

FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	A.COBB
DATE ISSUED	MAY 14, 2026
SHEET DESC.	PRECAST ELEVATIONS

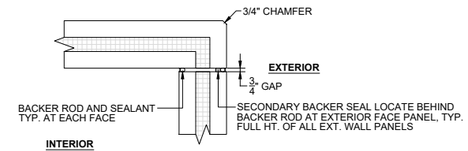
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S302

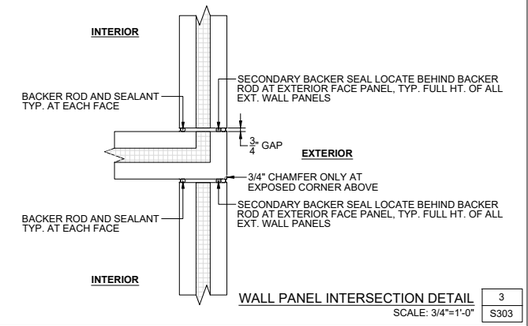
SHEET NUMBER # **25 of 36**



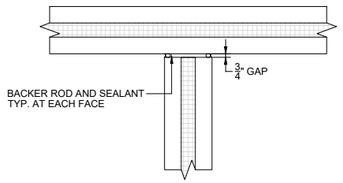
TYP. WALL PANEL JOINT DETAIL — 1 / S303
SCALE: 3/4"=1'-0"



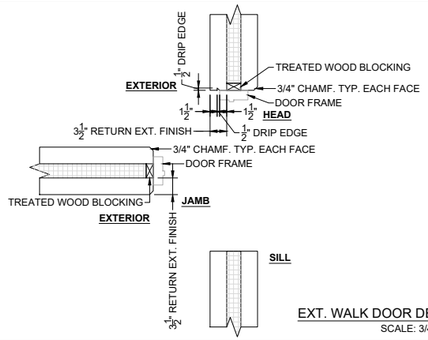
WALL PANEL INTERSECTION DETAIL — 2 / S303
SCALE: 3/4"=1'-0"



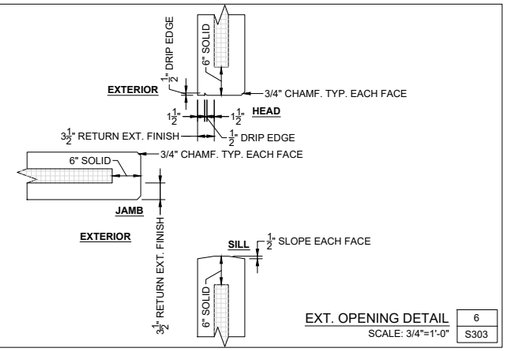
WALL PANEL INTERSECTION DETAIL — 3 / S303
SCALE: 3/4"=1'-0"



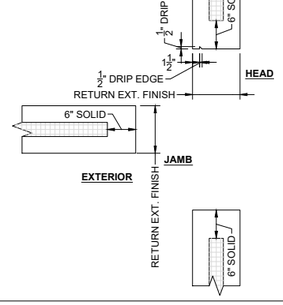
WALL PANEL INTERSECTION DETAIL — 4 / S303
SCALE: 3/4"=1'-0"



EXT. WALK DOOR DETAIL — 5 / S303
SCALE: 3/4"=1'-0"



EXT. OPENING DETAIL — 6 / S303
SCALE: 3/4"=1'-0"



EXT. OHD DETAIL — 7 / S303
SCALE: 3/4"=1'-0"

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PROPOSED MUNICIPAL WELL #3

DICKEYVILLE, WISCONSIN

PROJECT LOCATION: FOUNDRY WAY

OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE, P.O. BOX 219, DICKEYVILLE, WI 53808

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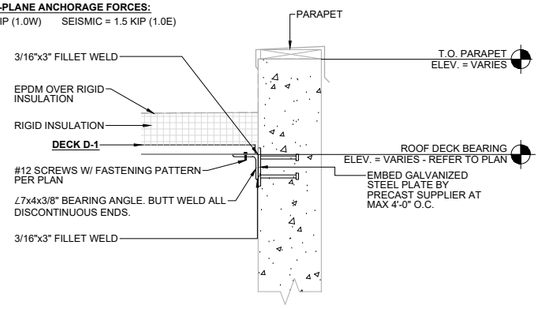
FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	A.COBB
DATE ISSUED	MAY 14, 2026
SHEET DESC.	PRECAST DETAILS

SHEET TITLE:

S303

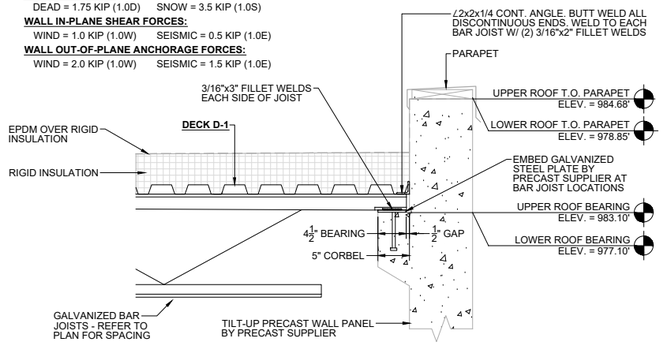
SHEET NUMBER # **26 of 36**

GRAVITY FORCES:
DEAD = 0.25 KIP (1.0D) SNOW = 0.75 KIP (1.0S)
WALL IN-PLANE SHEAR FORCES:
WIND = 1.0 KIP (1.0W) SEISMIC = 0.5 KIP (1.0E)
WALL OUT-OF-PLANE ANCHORAGE FORCES:
WIND = 2.0 KIP (1.0W) SEISMIC = 1.5 KIP (1.0E)

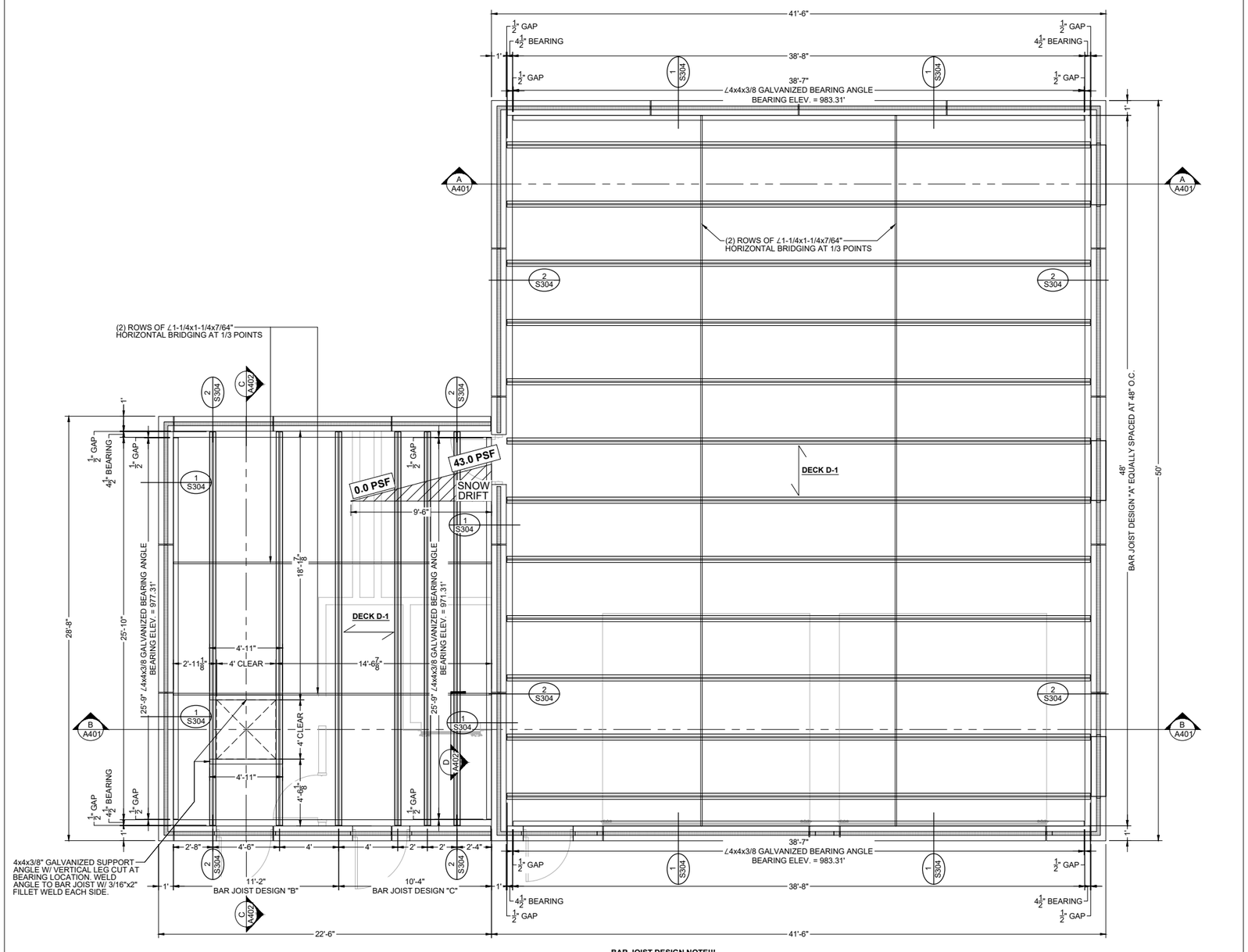


PRECAST CONNECTION DETAIL — 1 / S304
SCALE: 1/2"=1'-0" (11x17) 1"=1'-0" (24x36)

GRAVITY FORCES:
DEAD = 1.75 KIP (1.0D) SNOW = 3.5 KIP (1.0S)
WALL IN-PLANE SHEAR FORCES:
WIND = 1.0 KIP (1.0W) SEISMIC = 0.5 KIP (1.0E)
WALL OUT-OF-PLANE ANCHORAGE FORCES:
WIND = 2.0 KIP (1.0W) SEISMIC = 1.5 KIP (1.0E)



PRECAST CONNECTION DETAIL — 2 / S304
SCALE: 1/2"=1'-0" (11x17) 1"=1'-0" (24x36)



BAR JOIST DESIGN NOTE!!!
PROVIDE (1) ROW OF HORIZONTAL BOTTOM CHORD UPLIFT BRIDGING NEAR THE FIRST BOTTOM CHORD PANEL POINTS.
- C+C ZONE 1 UPLIFT = 26.4 PSF (1.0W), 15.84 PSF (0.6W)
- C+C ZONE 2 UPLIFT = 57.4 PSF (1.0W), 34.44 PSF (0.6W)
- C+C ZONE 3 UPLIFT = 76.2 PSF (1.0W), 45.72 PSF (0.6W)
- ALLOWABLE DEAD LOAD TO RESIST UPLIFT = 7 PSF

ROOF FRAMING AND DIMENSIONING PLAN — S304
SCALE: 1/8"=1'-0" (11x17) 1/4"=1'-0" (24x36)

ENGINEER:
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DICKEYVILLE, WISCONSIN
PROJECT LOCATION: FOUNDRY WAY
OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

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FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	A.COBB
DATE ISSUED	MAY 14, 2026
SHEET DESC.	ROOF JOIST PLAN AND DETAILS

SHEET TITLE:

S304

SHEET NUMBER # 27 of 36

GENERAL ELECTRICAL NOTES

1. COORDINATE ALL WORK WITH OTHER TRADES TO PREVENT DISRUPTION TO THE OWNER AND MINIMIZE THE DOWNTIME.
2. REFER TO PROJECT MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS.
3. ELECTRICAL CONTRACTOR SHALL CONTACT LOCAL UTILITY AND COORDINATE WORK REGARDING EXACT SERVICE REQUIREMENTS TO INCLUDE BUT NOT LIMITED TO; TRANSFORMER, CONCRETE PAD, PRIMARY CONDUIT STUBS, GROUNDING SECONDARY CONDUIT AND WIRING, CT CABINET AND METER SOCKET. LOCAL UTILITY REQUIREMENTS SUPERSEDE DRAWINGS AND SPECIFICATIONS.
4. UPON COMPLETION OF THE ELECTRICAL WORK, THE INSTALLATION SHALL BE TESTED FOR CONTINUITY, GROUNDS, AND SHORT CIRCUITS. THE ELECTRICAL CONTRACTOR SHALL DEMONSTRATE PROPER PERFORMANCE OF ALL SYSTEMS. ALL DEFECTIVE WORK OR MATERIALS SHALL BE REPLACED OR REPAIRED AS NECESSARY AND RETESTED.
5. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASSOCIATED COSTS AND SCHEDULING OF REQUIRED ELECTRICAL INSPECTIONS.
6. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND SIZING OF ALL PULL BOXES, SPLICE BOXES, FITTINGS, RACEWAYS AND TRANSITIONS ETC. FOR ALL ELECTRICAL WORK AS INDICATED BY SCHEDULE, RISERS, SEQUENCES, SPECIFICATIONS AND DRAWINGS.
7. UNDERGROUND CONDUITS SHALL TRANSITION TO METALLIC CONDUIT PRIOR TO EXITING CONCRETE SLAB.
8. CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILING, IN FLOOR SLAB, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT IN MECHANICAL ROOMS AND STORAGE ROOMS WITHOUT CEILINGS MAY BE EXPOSED ON BUILDING STRUCTURE.
9. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
10. ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CEILING MOUNTED ELECTRICAL AND TECHNOLOGY DEVICES AND EQUIPMENT WITH LUMINAIRES, SPRINKLER, AND CEILING GRILLES AND DIFFUSERS. CENTER ALL DEVICES IN CEILING TILE PATTERN. SMOKE DETECTORS AND OCCUPANCY AND VACANCY SENSORS SHALL BE LOCATED NO CLOSER THAN 3 FEET TO AN AIR SUPPLY DIFFUSER OR RETURN GRILLE.
11. ELECTRICAL CONTRACTOR SHALL VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT LOCATIONS WITH PROJECT PLANS, ELEVATIONS, AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL ELECTRICAL INSTALLATION, THIS CONTRACTOR SHALL ADJUST RECEPTACLES, OUTLETS, OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT.
12. ELECTRICAL CONTRACTOR SHALL PROVIDE A TEMPORARY ELECTRICAL SYSTEM FOR THE PROJECT. AT LEAST ONE 120 VOLT SINGLE PHASE RECEPTACLE SHALL BE PROVIDED FOR EACH 500 SQUARE FEET OF FLOOR SPACE. SUFFICIENT TEMPORARY LIGHTING SHALL BE PROVIDED TO ALLOW ALL CONTRACTORS TO COMPLETE THEIR WORK. TEMPORARY ELECTRICAL CIRCUITS SHALL BE EQUIPPED WITH COMBINATION GROUND FAULT INTERRUPTER AND CIRCUIT BREAKER PER NEC. TEMPORARY ELECTRICAL SYSTEM SHALL BE INCLUDED IN THIS BID. USAGE CHARGES SHALL BE PAID FOR BY THE GENERAL CONTRACTOR.
13. CIRCUIT NUMBERS ARE SHOWN FOR CIRCUIT IDENTIFICATION. CIRCUITING SHALL AGREE WITH NUMBERING ON THE PANEL PROVIDED. COMMON NEUTRALS MAY NOT BE USED FOR BRANCH CIRCUITS. BALANCE THE LOAD ON PANEL AS EVENLY AS POSSIBLE BETWEEN EACH PHASE.
14. BOXES LOCATED ON OPPOSITE SIDES OF NON-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. "THRU-THE-WALL" BOXES SHALL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE PROJECT MANAGER/ENGINEER.
15. CONNECTION FOR ELECTRIC WATER COOLERS (EWC) SHALL BE A RECEPTACLE INSTALLED CONCEALED BEHIND WATER COOLER ACCESS PLATE WITH A REMOTE GFCI DEVICE OR CIRCUIT BREAKER, OR BE A GFI RECEPTACLE LOCATED DIRECTLY BELOW AND CENTERED ON EWC WITH 20AMP RATED APPLIANCE CORD. CONTRACTOR SHALL VERIFY TYPE OF EWC TO BE INSTALLED.
16. ELECTRICAL AND TECHNOLOGY EQUIPMENT SHALL BE INSTALLED TO AVOID IMPEDANCE OF, OPERATION OF, AND/OR ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF ELECTRICAL AND TELECOMMUNICATIONS EQUIPMENT, ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR, SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
17. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL (1) 120V, 20A BRANCH CIRCUIT TO THE NEAREST ELECTRICAL PANEL FOR EACH TEMPERATURE CONTROL PANEL, UNLESS NOTED OTHERWISE. COORDINATE LOCATIONS WITH TEMPERATURE CONTROLS CONTRACTOR.
18. INSTALL LIGHTING FIXTURES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE SUPPORTING DEVICES FOR ADEQUATE SUPPORT OF FIXTURES FROM STRUCTURE.
19. ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS.
20. DO NOT INSTALL CONDUIT IN CONCRETE SLABS UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER, PROJECT MANAGER AND ELECTRICAL ENGINEER.
21. EACH INDIVIDUAL ELECTRICAL HOMERUN SHOWN ON FLOOR PLANS, DETAILS, OR SCHEDULES SHALL BE PROVIDED IN A DEDICATED RACEWAY.
22. SERIES RATING OF PROTECTIVE/ISOLATION DEVICES AND/OR ELECTRICAL EQUIPMENT IS UNACCEPTABLE. ALL ELECTRICAL EQUIPMENT AND PROTECTIVE DEVICES SHALL BE "FULLY" RATED.
23. PROVIDE POWER TO MECHANICAL EQUIPMENT SHOWN ON MECHANICAL PLANS, RISERS, SCHEDULES, OR IN SPECIFICATIONS. NOT ALL MECHANICAL EQUIPMENT IS NECESSARILY SHOWN ON ELECTRICAL PLANS. REFER TO MECHANICAL PLANS AND SCHEDULES FOR LOCATIONS AND SPECIFIC ELECTRICAL REQUIREMENTS. COORDINATE EXACT LOCATION AND ORIENTATION OF EQUIPMENT WITH OTHER TRADES.
24. FURNISH AND COORDINATE THE LOCATION OF DUCT SMOKE DETECTORS. PROVIDE AND WIRE DEVICES TO THE FIRE ALARM SYSTEM; INSTALL DETECTORS WITH THE ASSISTANCE OF THE MECHANICAL CONTRACTOR.
25. INSTALL WIRING FROM AN EMERGENCY SOURCE OR EMERGENCY DISTRIBUTION OVERCURRENT PROTECTION TO EMERGENCY LOADS ENTIRELY INDEPENDENT OF ALL OTHER WIRING AND EQUIPMENT EXCEPT WITHIN THE EQUIPMENT, EXIT SIGNS, AND EMERGENCY LUMINAIRES.
26. BOND ALL OF THE FOLLOWING SERVICES TOGETHER PER THE NEC: POWER, TELECOMMUNICATIONS, CATV, WATER AND LIGHTNING PROTECTION.
27. PROVIDE GROUND FAULT RECEPTACLES WITHIN SIX FEET (6') OF SINK OR OTHER WATER SOURCE; PROVIDE GROUND FAULT WEATHERPROOF RECEPTACLES AT ALL EXTERIOR LOCATIONS.
28. PARTIAL CONDUIT ROUTING INDICATED ARE INTENDED TO REPRESENT A PROPOSED GENERAL PATHWAY SHOWN FOR DESIGN INTENT ONLY. NOT ALL CONDUITS, PULL BOXES AND JUNCTION BOXES ARE SHOWN.

GENERAL NOTES

1. OBTAIN AND REVIEW ALL CONTRACT DOCUMENTS BEFORE SUBMITTING A BID. INFORMATION IS PROVIDED ON THE VARIOUS DRAWINGS, SCHEDULES, SPECIFICATIONS AND ALL OF THE DOCUMENTS INCLUDED IN THE BIDDING PACKAGE.
2. NOTIFY THE PROJECT MANAGER / ENGINEER IMMEDIATELY OF ANY CONFLICTS DISCOVERED BETWEEN DOCUMENTS. IF THE CONFLICT IS NOT RESOLVED PRIOR TO SUBMITTING A BID, CARRY THE LARGER QUANTITY AND/OR MORE EXPENSIVE ITEM(S).
3. REFER TO THE ENGINEERING DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHTS OF EQUIPMENT, FIXTURES, AND DEVICES IN FINISHED SPACES. COORDINATE EQUIPMENT, FIXTURE, AND DEVICE COLORS AND FINISHES WITH THE PROJECT MANAGER. MOUNTING HEIGHTS SHALL BE APPROVED BY THE PROJECT MANAGER.
4. THE ENGINEERING DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. IN ORDER TO INDICATE THE SCOPE OF WORK, THE PLANS ARE ARRANGED FOR CLARITY IN TWO DIMENSIONS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE ACTUAL LAYOUT OF SYSTEMS AND COORDINATION WITH OTHER SYSTEMS AND BUILDING ELEMENTS.
5. PERFORM ALL WORK IN COMPLIANCE WITH THE SPECIFICATIONS, APPLICABLE CODES, ORDINANCES AND THE REGULATORY AUTHORITY HAVING JURISDICTION.
6. COORDINATE LOCATIONS OF UTILITIES AND EQUIPMENT WITH OTHER TRADES BEFORE AND DURING CONSTRUCTION. ANY MODIFICATIONS TO THE EQUIPMENT AND UTILITY LAYOUTS REQUIRED FOR INSTALLATION ARE TO BE PERFORMED UNDER THE CONTRACT AGREEMENT AT NO ADDITIONAL COST.
7. PROVIDE ADDITIONAL TRANSITIONS AND OFFSETS IN ALL PIPING, DUCTWORK OR CONDUIT FOR COORDINATION WITH OTHER TRADES AND BUILDING ELEMENTS AND STRUCTURE.
8. COORDINATE ALL UTILITIES ENTERING OR LEAVING THE BUILDING WITH THE CIVIL ENGINEER OR SITE CONTRACTOR(S) BEFORE INSTALLATION. COORDINATE INVERTS WITH THE STRUCTURE AND SYSTEM REQUIREMENTS PRIOR TO INSTALLATION.
9. NO SYSTEM COMPONENTS MAY BE SUPPORTED FROM STRUCTURAL BRACED FRAMES.
10. WHERE THE CONTRACT DOCUMENTS EXCEED CODE REQUIREMENTS, THE CONTRACT DOCUMENTS MUST BE FOLLOWED.
11. INSTALL ALL EQUIPMENT IN ACCESSIBLE LOCATIONS. WHERE EQUIPMENT MUST BE INSTALLED ABOVE AN INACCESSIBLE CEILING OR BEHIND A WALL, PROVIDE AN APPROPRIATE ACCESS DOOR RATED TO MATCH THE CEILING OR WALL RATING. COORDINATE THE LOCATION WITH THE PROJECT MANAGER PRIOR TO INSTALLATION.
12. PROVIDE A CONCRETE HOUSEKEEPING PAD FOR ALL FLOOR MOUNTED EQUIPMENT - REFER TO STRUCTURAL SHEETS
13. DO NOT INSTALL PIPING OR DUCTWORK OVER ELECTRICAL PANELS, TRANSFORMERS, OR SPECIAL EQUIPMENT.
14. DO NOT INSTALL ANY SYSTEMS IN OR THROUGH ELEVATOR MACHINE ROOMS OR ELEVATOR SHAFTS THAT DO NOT SERVE THE ROOM OR SHAFT. MAINTAIN A MINIMUM OF SEVEN (7) FOOT HEAD CLEARANCE IN THE ELEVATOR MACHINE ROOM.
15. SYSTEMS OR COMPONENTS MAY NOT REST ON OR MAKE CONTACT WITH PIPING AND EQUIPMENT REQUIRED BY CODE TO BE INDEPENDENTLY SUPPORTED, SUCH AS FIRE PROTECTION PIPING AND MEDICAL GAS PIPING.
16. THE SPECIFIED MECHANICAL, FIRE PROTECTION, PLUMBING, HVAC, ELECTRICAL, TECHNOLOGY, AND SPECIAL SYSTEMS SHALL BE COMPLETE IN ALL RESPECTS APPROVED BY THE AUTHORITIES HAVING JURISDICTION AND READY FOR USE BY THE CLIENT / OWNER.

2021 INTERNATIONAL ENERGY CONSERVATION CODE NOTES:

1. LIGHTING SYSTEMS SHALL BE PROVIDED WITH CONTROLS AS OUTLINED IN THE 2015 IECC.
2. LIGHTING CONTROLS ARE NOT REQUIRED FOR THE FOLLOWING: AREAS DESIGNATED AS SECURITY OR EMERGENCY AREAS THAT ARE REQUIRED TO BE CONTINUOUSLY LIGHTED; INTERIOR EXIT STAIRWAYS, INTERIOR EXIT RAMPS AND EXIT PASSAGEWAYS; EMERGENCY EGRESS LIGHTING THAT IS NORMALLY OFF.
3. OCCUPANT SENSOR CONTROLS SHALL BE INSTALLED TO CONTROL LIGHTS IN THE FOLLOWING SPACE TYPES: CLASSROOMS/LECTURE/TRAINING ROOMS; CONFERENCES/MEETING/MULTIPURPOSE ROOMS; COPY/PRINT ROOMS; LOUNGES; EMPLOYEE LUNCH AND BREAK ROOMS; PRIVATE OFFICES; RESTROOMS; STORAGE ROOMS; JANITORIAL CLOSETS; LOCKER ROOMS; OTHER SPACES 300 SQ. FT. OR LESS THAT ARE ENCLOSED BY FLOOR-TO-CEILING HEIGHT PARTITIONS; WAREHOUSES.
4. OCCUPANT SENSOR CONTROLS IN SPACES OTHER THAN WAREHOUSES SHALL COMPLY WITH THE FOLLOWING: AUTOMATICALLY TURN OFF LIGHTS WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE; BE MANUAL ON OR CONTROLLED TO AUTOMATICALLY TURN THE LIGHTING ON TO NOT MORE THAN 50 PERCENT POWER; SHALL INCORPORATE A MANUAL CONTROL TO ALLOW OCCUPANTS TO TURN LIGHTS OFF. FULL AUTOMATIC-ON CONTROLS SHALL BE PERMITTED TO CONTROL LIGHTING IN PUBLIC CORRIDORS, STAIRWAYS, RESTROOMS, PRIMARY BUILDING ENTRANCE AREAS AND LOBBIES, AND AREAS WHERE MANUAL-ON OPERATION WOULD ENDANGER THE SAFETY OR SECURITY OF THE ROOM OR BUILDING OCCUPANTS.
5. IN WAREHOUSES, THE LIGHTINGS IN AISLES AND OPEN AREAS SHALL BE CONTROLLED WITH OCCUPANT SENSORS THAT AUTOMATICALLY REDUCE LIGHTING POWER BY NOT LESS THAN 50 PERCENT WHEN THE AREAS ARE UNOCCUPIED. THE OCCUPANT SENSORS SHALL CONTROL LIGHTING IN EACH AISLES INDEPENDENTLY AND SHALL NOT CONTROL LIGHTING BEYOND THE AISLES BEING CONTROLLED BY THE SENSOR.
6. EACH AREA OF THE BUILDING THAT IS NOT PROVIDED WITH OCCUPANT SENSOR CONTROLS SHALL BE PROVIDED WITH TIME SWITCH CONTROLS. WHERE MANUAL CONTROL PROVIDES LIGHT REDUCTION, AUTOMATIC CONTROLS SHALL NOT BE REQUIRED FOR THE FOLLOWING: SLEEPING UNITS; SPACES WHERE PATIENT CARE IS DIRECTLY PROVIDED; SPACES WHERE AN AUTOMATIC SHUTOFF WOULD ENDANGER OCCUPANT SAFETY OR SECURITY; LIGHTING INTENDED FOR CONTINUOUS OPERATION; SHOP AND LABORATORY CLASSROOMS. SPACES REQUIRED TO HAVE LIGHT-REDUCTION CONTROLS SHALL HAVE A MANUAL CONTROL THAT ALLOWS THE OCCUPANT TO REDUCE THE CONNECTED LIGHTING LOAD IN A REASONABLY UNIFORM ILLUMINATION PATTERN BY AT LEAST 50 PERCENT. MANUAL CONTROLS SHALL BE READILY ACCESSIBLE TO OCCUPANTS AND SHALL BE LOCATED WHERE THE CONTROLLED LIGHTS ARE VISIBLE, OR SHALL IDENTIFY THE AREA SERVED BY THE LIGHTS AND INDICATE THEIR STATUS.
7. TIME SWITCH CONTROLS SHALL INCLUDE AN OVERRIDE SWITCHING DEVICE WITH A MINIMUM 7-DAY CLOCK; BE CAPABLE OF BEING SET FOR SEVEN DIFFERENT DAY TYPES PER WEEK; INCORPORATE AN AUTOMATIC HOLIDAY SHUTOFF FEATURE WHICH TURNS OFF ALL CONTROLLED LIGHTING LOADS FOR AT LEAST 24 HOURS AND THEN RESUMES NORMALLY SCHEDULED OPERATIONS; HAVE PROGRAM BACKUP CAPABILITIES PREVENTING THE LOSS OF PROGRAM AND TIME SETTINGS FOR AT LEAST 10 HOURS IF POWER IS INTERRUPTED; SHOULD BE A MANUAL CONTROL; WHEN INITIATED, SHALL PERMIT THE CONTROLLED LIGHTING TO REMAIN ON FOR NOT MORE THAN 2 HOURS; CONTROL THE LIGHTING FOR AN AREA NOT LARGER THAN 5,000 SQ.FT.
8. LIGHT REDUCTION CONTROLS ARE REQUIRED WHEN SPACES USE MORE THAN 0.6 WATTS PER SQ. FT. AND ARE NOT PROVIDED WITH DAYLIGHT RESPONSIVE CONTROLS.
9. DAYLIGHT RESPONSIVE CONTROLS SHALL BE PROVIDED TO CONTROL THE ELECTRIC LIGHTS WITHIN DAYLIGHT ZONES.
10. LIGHTING FOR EXTERIOR APPLICATIONS OTHER THAN EMERGENCY LIGHTING THAT IS INTENDED TO BE AUTOMATICALLY OFF DURING BUILDING OPERATION, LIGHTING SPECIFICALLY REQUIRED TO MEET HEALTH AND SAFETY REQUIREMENTS OR DECORATIVE GAS LIGHTING SYSTEMS SHALL: BE PROVIDED WITH A CONTROL THAT AUTOMATICALLY TURNS OFF THE LIGHTING AS A FUNCTION OF AVAILABLE DAYLIGHT; WHERE LIGHTING THE BUILDING FACADE OR LANDSCAPE THE LIGHTING SHALL HAVE CONTROLS THAT AUTOMATICALLY SHUT OFF THE LIGHTING AS A FUNCTION OF DAWN/DUSK AND A SET OPENING AND CLOSING TIME; THE LIGHTING SHALL HAVE CONTROLS CONFIGURED TO AUTOMATICALLY REDUCE THE CONNECTED LIGHTING POWER BY NOT LESS THAN 30 PERCENT FROM NOT LATER THAN MIDNIGHT TO 6 A.M. FROM ONE HOUR AFTER BUSINESS CLOSING TO ONE HOUR BEFORE BUSINESS OPENING OR DURING ANY PERIOD WHEN ACTIVITY HAS NOT BEEN DETECTED FOR A TIME OF LONGER THAN 15 MINUTES.
11. INTERNALLY ILLUMINATED EXIT SIGNS SHALL NOT EXCEED 5 WATTS PER SIDE.

ELECTRICAL LIGHTING LEGEND

- EXISTING
- NEW / PROPOSED
- HOMERUN CONDUCTOR
- XX-XX-XX PANEL DESIGNATION BUILDING-PANEL-CIRCUIT
- $ SWITCH - SINGLE POLE
- $DIM SWITCH - SINGLE POLE - DIMMER
- $2 SWITCH - TWO POLE
- $3 SWITCH - 3-WAY
- $4 SWITCH - 4-WAY
- OS60 OCCUPANCY SENSOR - CEILING
- OS00 OCCUPANCY SENSOR -WALL
- LIGHT FIXTURE - INSTALLED IN ACOUSTICAL CEILING TILE
- LIGHT FIXTURE - INSTALLED FROM STRUCTURE OR SUSPENDED
- LIGHT FIXTURE - EGRESS
- RECESSED LIGHT FIXTURE
- LED CEILING MOUNTED EXPLOSION PROOF FIXTURE
- EXTERIOR LIGHT - WALL MOUNTED
- EXTERIOR LIGHT - EGRESS
- 12.3 FOOT-CANDLE VALUE ESTIMATE
- EXIT LIGHT
- EXIT LIGHT / DIRECTIONAL ARROW
- COMBO EXIT LIGHT AND EMERGENCY LIGHT
- EMERGENCY LIGHT WALL MOUNTED
- EMERGENCY LIGHT SUSPENDED

ELECTRICAL POWER LEGEND

- EXISTING TO REMAIN
- NEW / PROPOSED
- CONNECTION TO EQUIPMENT
- HOMERUN CONDUCTOR
- RECEPTACLE - DUPLEX
- RECEPTACLE - DUPLEX - GFCI
- RECEPTACLE - 240v
- WP RECEPTACLE - WEATHER PROOF
- EXPLOSIONPROOF SIMPLEX GROUNDED RECEPTACLE - 120v
- J JUNCTION BOX
- SPECIAL CONNECTION - COORDINATE POWER REQUIREMENTS & LOCATION WITH EQUIPMENT SUPPLIERS PRIOR TO INSTALLATION
- M MOTOR W/ HORSEPOWER
- XX-XX-XX PANEL DESIGNATION BUILDING-PANEL-CIRCUIT
- XX-XX EQUIPMENT DESIGNATION PANEL-EQUIPMENT
- $ SWITCH - SINGLE POLE
- $2 SWITCH - TWO POLE
- $3 SWITCH - 3-WAY
- $4 SWITCH - 4-WAY
- RG-45 CAT VI PHONE TERMINATION OUTLET: RG-45 WIRE: CAT VI
- RG-45 CAT VI COMPUTER TERMINATION OUTLET: RG-45 WIRE: CAT VI
- CCTV CAMERA

ELECTRICAL MOUNTING HEIGHTS

DESCRIPTION	MOUNTING HEIGHT AFF
GENERAL LIGHTING CONTROLS	46"
GENERAL RECEPTACLES - INTERIOR	18"
GENERAL RECEPTACLES - EXTERIOR	24"
TOILET ROOM RECEPTACLES	46"
MONITOR / TV RECEPTACLES / DATA	66"
RESIDENTIAL TYPE RANGE RECEPTACLE	6"
DATA OUTLETS	18"
COUNTER RECEPTACLES	6" ABOVE COUNTER
COUNTER DATA OUTLET	6" ABOVE COUNTER
CARD READER	48"
ADA PUSH BUTTON	48"
MAGNETIC HOLD OPEN	6" BELOW TOP OF DOOR SLAB
EXIT SIGN	12" ABOVE TOP OF DOOR FRAME
OVERHEAD DOOR CONTROL	48"
CEILING MOUNTED SMOKE DETECTOR	36" MIN. FROM HVAC DIFFUSER / GRILLE

MOUNTING HEIGHTS OF ELECTRICAL ITEMS LISTED BELOW SHALL MEASURED FROM FINISHED FLOOR TO CENTERLINE, UNLESS NOTED OTHERWISE OR CODE REQUIRED.

ELECTRICAL ABBREVIATIONS

20A	20 AMP (FORMAT)
3W	3 WIRE
4W	4 WIRE
20A/1P	20 AMP 1-POLE
100A/3P	100 AMP 3-POLE
A	AMPERE
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AL	ALUMINUM
ALRM	ALARM
AMP	AMPERE
ATS	AUTOMATIC TRANSFER SWITCH
A/V	AUDIO / VISUAL
AWG	AMERICAN WIRE GAUGE
BATT	BATTERY
BKR	BREAKER
BLDG	BUILDING
C	CONDUIT
CAB	CABINET
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT,CCT	CIRCUIT
CLG	CEILING
CONN	CONNECTION
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
CU	COPPER
DC	DIRECT CURRENT
DISB	DISTRIBUTION
DISC	DISCONNECT
ELEC	ELECTRICAL
EM	EMERGENCY
EMH	ELECTRICAL MANHOLE
EP	EXPLOSION PROOF
EX	EXISTING
F	FUSE
FA	FIRE ALARM
FB	FLOOR BOX
FLA	FULL LOAD AMPS
FLC	FULL LOAD CURRENT
FMC	FLEXIBLE METALLIC CONDUIT
FS	FUSED SWITCH
GEC	GROUNDED ELECTRODE CONDUCTOR
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPT
GFCB	GROUND FAULT CIRCUIT BREAKER
GFP	GROUND FAULT PROTECTION
GRD	GROUND
GP	GENERAL PURPOSE
HP	HORSEPOWER
HZ	HERTX
IC	INTERRUPTING CAPACITY
IDF	INTERMEDIATE DISTRIBUTION FRAME
IG	ISOLATED GROUND
IT	INFORMATION TECHNOLOGY
JB	JUNCTION BOX
KV	KILOWATT
KVA	KILOVOLT AMPERE
KVAR	KILOVOLT AMPERE REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
LAN	LOCAL AREA NETWORK
LCP	LOCAL CONTROL PANEL
LED	LIGHT EMITTING DIODE
LP	LIGHT PANEL
LV	LOW VOLTAGE
M	METER
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDF	MAIN DISTRIBUTION FRAME
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUGS ONLY
MTR	MOTOR
MV	MEDIUM VOLTAGE
MW	MEGA WATTS
NEC	NATIONAL ELECT. CODE (ANSI/MFPA-70)
NEU	NEUTRAL
NEMA	NATIONAL ELECT. MANUF. ASSOC.
NC	NORMALLY CLOSED
NF	NON FUSED
NFPA	NATIONAL FIRE PROTECTION ASSOC.
NGR	NEUTRAL GROUND RESISTOR
NO	NORMALLY OPEN
OL	OVERLOAD RELAY
PC	PHOTOCELL
PF	POWER FACTOR
PH	PHASE
PMG	PADMOUNT GEAR
PMT	PADMOUNT TRANSFORMER
PNL	PANELBOARD
PP	POWER PANEL
PV	PHOTOVOLTAIC
SC	SHORT CIRCUIT
SD	SERVICE DISCONNECT
SP	SINGLE POLE
SPDT	SINGLE POLE DOUBLE THROW
SPST	SINGLE POLE SINGLE THROW
SPD	SURGE PROTECTIVE DEVICE
SW	SWITCH
SWBD	SWITCH BOARD
SWGR	SWITCHGEAR
TC	TIME CLOCK
TERM	TERMINAL
TR	TEMPER RESISTIANT
TV	TELEVISION
UE	UNDERGROUND ELECTRICAL
UF	UNDERGROUND FEEDER AND BC
UG	UNDERGROUND
UL	UNDERWRITER'S LABORATORY
UPS	UNINTERRUPTIBLE POWER SUPPLY
USB	UNIVERSAL SERIAL BUS
V	VOLTS
VA	VOLT-AMPERE
VAR	VOLT-AMPERES REACTIVE
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS
WP	WEATHERPROOF
XFMR	TRANSFORMER
XP	EXPLOSION PROOF

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PROPOSED MUNICIPAL WELL #3

DICKEYVILLE, WISCONSIN

PROJECT LOCATION: FOUNDRY WAY
OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P. O. BOX 219, DICKEYVILLE, WI 53808

REVISIONS:		
NO.	DATE	DESCRIPTION
AS-BUILT:		BY:
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FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	N. ROGSTAD
DATE ISSUED	MAY 14, 2026
SHEET DESC.	GENERAL ELECTRICAL NOTES

SHEET TITLE:

E001

SHEET NUMBER # 28 of 36

LIGHTING FIXTURE LEGEND

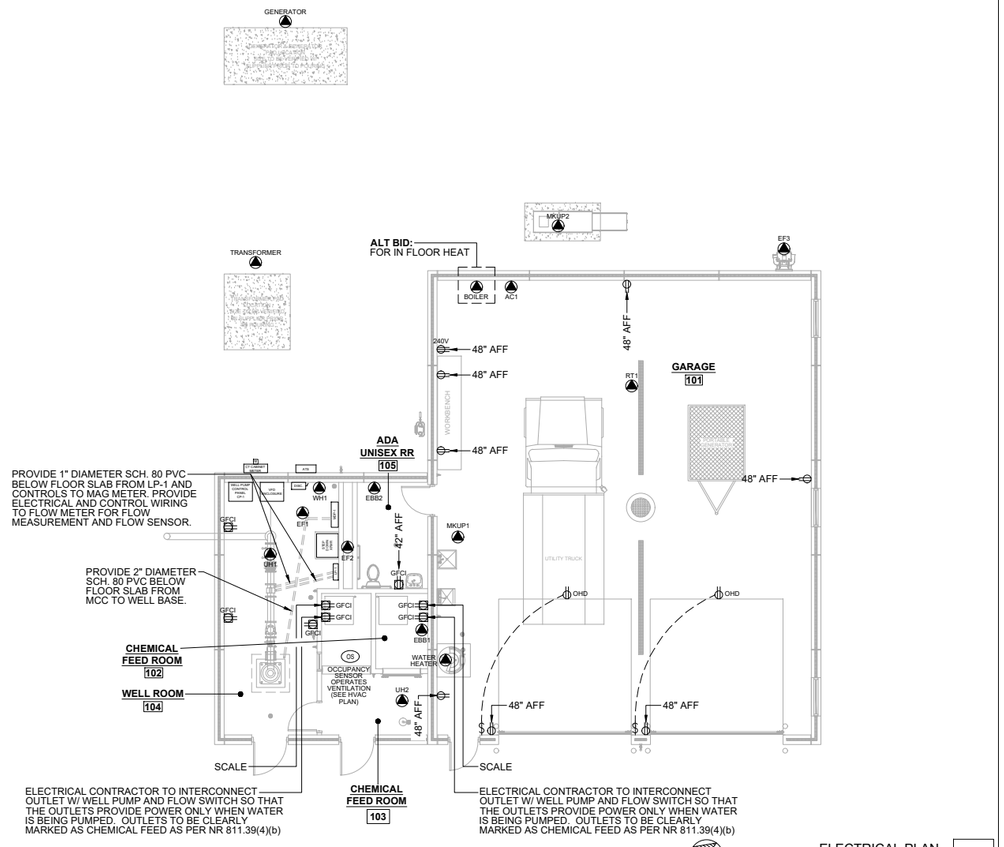
FIXTURE SYMBOL	FIXTURE ID	FIXTURE DESCRIPTION
	F1	LITHONIA LIGHTING CSVT - VAPOR TIGHT LED STRIP LIGHT W/ ON-BOARD CONTROLS MODEL NO. = CSVT-L48-6000LM-MVOLT-50K-80CRI-SB0R10 WATTS = 49 WATTS
	F2	ENVISION LED LIGHTING LED WALL PACK MODEL NO. = LED-WPFC-5P80-TRI-BL-PC WATTS = 80 MOUNT FIXTURE 15' A.F.F.
	F3	LITHONIA LIGHTING I-BEAM IBE LED HIGH BAY MODEL NO. = IBE-L24-12000LM-ATC-MD-MVOLT-GZ10-40K-80CRI WATTS = 83 WATTS
	F4	LITHONIA LIGHTING CSVT - VAPOR TIGHT LED STRIP LIGHT MODEL NO. = CSVT-L48-6000LM-MVOLT-50K-80CRI WATTS = 49 WATTS
	F5	COOPER LIGHTING - LUMARK AXCENT LED WALL PACK MODEL NO. = AXCS3A-BB-BK-PC

SWITCHING LEGEND

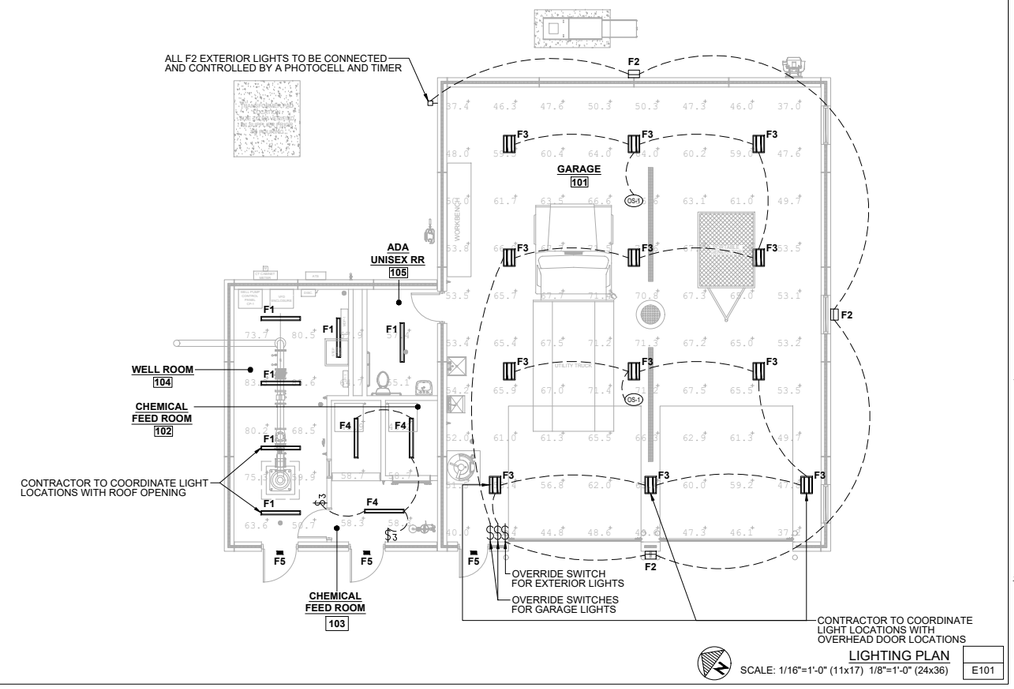
OS-1	LEVITON CEILING MOUNTED OCCUPANCY SENSOR MODEL NO. = OSC10 - M0W PIR (PASSIVE INFRARED) AND ULTRASONIC TECHNOLOGY 1,000 sf COVERAGE

DESIGN CRITERIA

ROOM NAMES	ROOM DIM.		DESIGN DIMENSIONS			ROOM REFLECTANCE			DESIGN RESULTS	
	FIXTURE	HEIGHT (ft)	WORK PLANE HEIGHT (ft)	LUMINAIRE SUSPENSION HT. (ft)	ACTUAL LUMINAIRE HEIGHT (ft)	CEILING	WALLS	FLOOR	NUMBER OF LUMINAIRES	LIGHTING POWER DENSITY (W/ft²)
101 - GARAGE	F3	16'-0"	2'-6"	1'-0"	15'-0"	80%	50%	20%	12	0.54
102 - CHEMICAL FEED ROOM	F4	10'-0"	2'-6"	1'-0"	9'-0"	80%	50%	20%	1	0.92
103 - CHEMICAL FEED ROOM	F4	10'-0"	2'-6"	1'-0"	9'-0"	80%	50%	20%	2	0.83
104 - WELL ROOM	F1	10'-0"	2'-6"	1'-0"	9'-0"	80%	50%	20%	5	0.86
105 - ADA UNISEX RR	F1	10'-0"	2'-6"	1'-0"	9'-0"	80%	50%	20%	1	0.70



ELECTRICAL PLAN
SCALE: 1/16"=1'-0" (11x17) 1/8"=1'-0" (24x36)
E101



LIGHTING PLAN
SCALE: 1/16"=1'-0" (11x17) 1/8"=1'-0" (24x36)
E101

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PROPOSED MUNICIPAL WELL #3
DICKEYVILLE, WISCONSIN
PROJECT LOCATION: FOUNDRY WAY
OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

REVISIONS:		
NO.	DATE	DESCRIPTION
AS-BUILT:		BY:
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FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY:	N. ROGSTAD
DATE ISSUED	MAY 14, 2026
SHEET DESC.	LIGHTING, EGRESS LIGHTING & ELECTRICAL PLANS

SHEET TITLE:
E101
SHEET NUMBER # **29 of 36**

GROUNDING ELECTRODE SYSTEM (GES) SHALL INCLUDE:

1. METAL UNDERGROUND WATER PIPE (IF PRESENT) BONDED WITHIN 5'-0" OF POINT OF ENTRY.
2. BONDING JUMPERS REQUIRED AROUND WATER METERS, FILTERS, OR DIELECTRIC UNIONS.
3. SIZE GEC/BONDING PER NEC 250.66 AND 250.104(A).

SERVICE GROUNDING:

1. PROVIDE SERVICE GROUNDING ELECTRODE SYSTEM IN ACCORDANCE WITH NEC 250.
INSTALL (2) 3/4" X 10'-0" COPPER-CLAD GROUND RODS, MINIMUM 6'-0" APART.
BOND TO SERVICE DISCONNECT WITH #2 CU GROUNDING ELECTRODE CONDUCTOR (UNLESS LARGER SIZE IS REQUIRED PER NEC 250.66).

2. BOND NEUTRAL AT SERVICE DISCONNECT.

GENERATOR IS SDS (SEPARATELY DERIVED SYSTEM):

1. GENERATOR IS A SEPARATELY DERIVED SYSTEM (SDS) PER NEC 250.30.

2. PROVIDE 4-POLE AUTOMATIC TRANSFER SWITCH (ATS) TO SWITCH NEUTRAL.

3. PROVIDE SYSTEM BONDING JUMPER (SBJ) AT GENERATOR. BOND GENERATOR NEUTRAL TO GENERATOR FRAME.

4. PROVIDE GROUNDING ELECTRODE CONDUCTOR (GEC) FROM GENERATOR TO BUILDING GROUNDING ELECTRODE SYSTEM PER NEC 250.30.

75 kVA TRANSFORMER (XFMR) NOTES:

1. TRANSFORMER IS A SEPARATELY DERIVED SYSTEM PER NEC 250.30.

2. PROVIDE SYSTEM BONDING JUMPER (SBJ) AT TRANSFORMER. BOND X0 TO TRANSFORMER ENCLOSURE.

3. PROVIDE GROUNDING ELECTRODE CONDUCTOR (GEC) FROM TRANSFORMER TO BUILDING GROUNDING ELECTRODE SYSTEM PER NEC 250.30.

4. DO NOT INSTALL NEUTRAL TO GROUND BOND IN DOWNSTREAM PANELS. NEUTRAL SHALL BE ISOLATED.

5. CONTRACTOR SHALL PROVIDE HOUSEKEEPING PAD FOR STEP-DOWN TRANSFORMER IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS, STRUCTURAL REQUIREMENTS, AND ALL APPLICABLE CODES. COORDINATE PAD SIZE, HEIGHT, REINFORCEMENT, AND ANCHORAGE REQUIREMENTS WITH TRANSFORMER SUBMITTALS PRIOR TO INSTALLATION.

EQUIPMENT NEMA RATINGS:

1. CT/METER: NEMA 4X

2. SERVICE DISCONNECT (SD): NEMA 4X

3. AUTOMATIC TRANSFER SWITCH (ATS): NEMA 4X

4. MDP-1: NEMA 3R

5. 75 KVA XFMR: 3R

6. LP-1: NEMA 3R

7. WELL PUMP DISCONNECT (DISC) : NEMA 3R

8. VFD ENCLOSURE: NEMA 3R

9. CONTROL PANEL: NEMA 3R

UTILITY TRANSFORMER 300 kVA:

1. CONTRACTOR SHALL COORDINATE FINAL TRANSFORMER LOCATION, PAD REQUIREMENTS, PRIMARY AND SECONDARY ROUTING, METERING, GROUNDING, BOLLARD PROTECTION, REQUIRED CLEARANCES, AND MAINTENANCE ACCESS WITH SERVING UTILITY PRIOR TO PROCUREMENT OR INSTALLATION. VERIFY FINAL TRANSFORMER SIZE, SERVICE CONFIGURATION, AND AVAILABLE FAULT CURRENT WITH ALLIANT ENERGY AND ENGINEER PRIOR TO EQUIPMENT PROCUREMENT.

2. ORIGINAL 3Ø UTILITY POWER SHALL BE EXTENDED FROM EXISTING 3Ø POLE MOUNTED UTILITY TRANSFORMERS, LOCATED NEAR THE INTERSECTION OF HWY 151 AND OLD HIGHWAY ROAD. PRIMARY UTILITY CONDUCTORS SHALL BE ROUTED ALONG THE SOUTH SIDE OF FOUNDRY LANE AND SPLICED IN A UTILITY JUNCTION BOX LOCATED NEAR THE WELL DRIVEWAY PRIOR TO TERMINATING AT THE UTILITY PROVIDED TRANSFORMER. CONTRACTOR SHALL COORDINATE FINAL ROUTING, SPLICE LOCATIONS, TRANSFORMER LOCATION, AND ALL ASSOCIATED REQUIREMENTS WITH ALLIANT ENERGY PRIOR TO INSTALLATION.

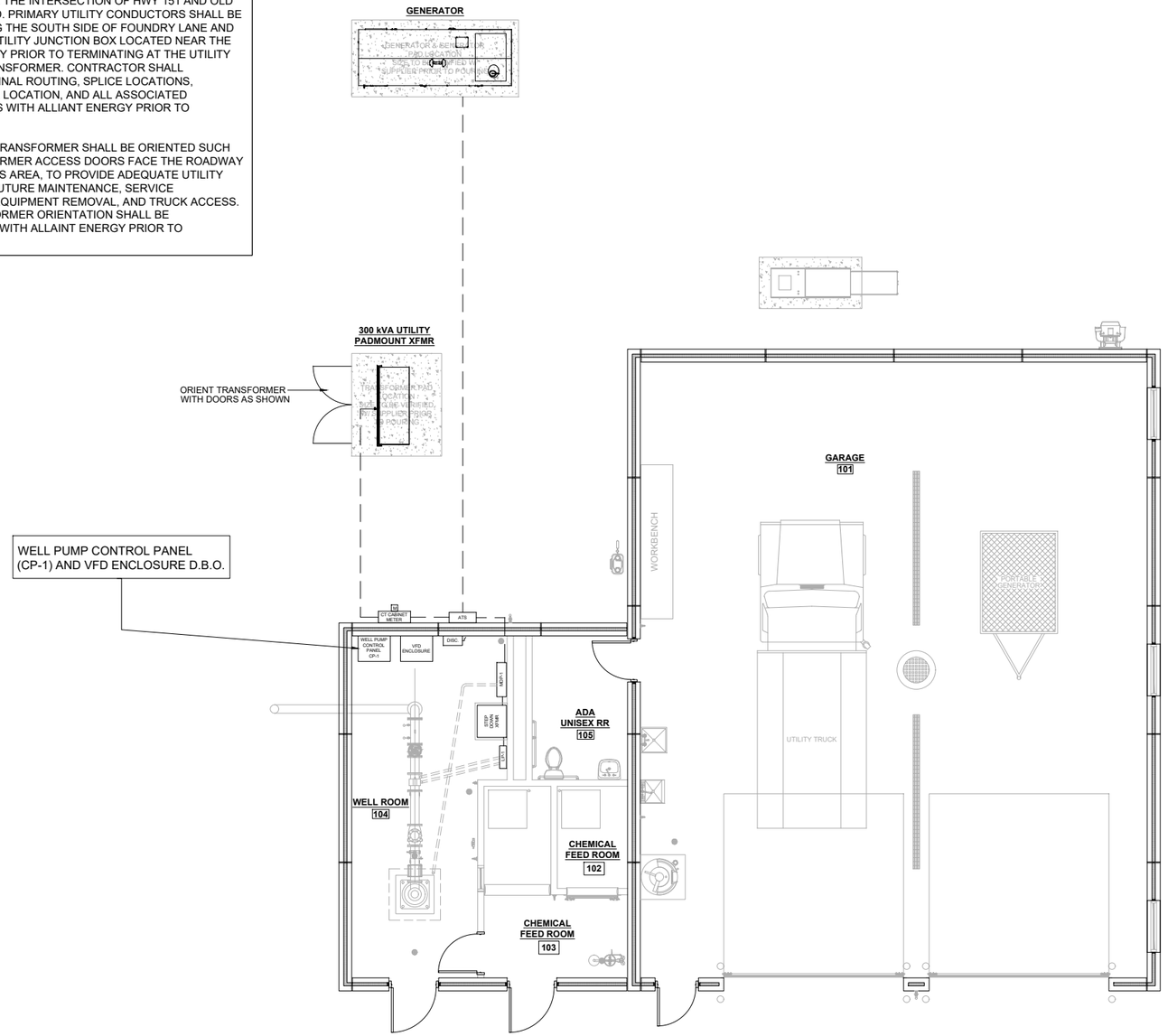
3. PADMOUNT TRANSFORMER SHALL BE ORIENTED SUCH THAT TRANSFORMER ACCESS DOORS FACE THE ROADWAY AND OR ACCESS AREA, TO PROVIDE ADEQUATE UTILITY ACCESS FOR FUTURE MAINTENANCE, SERVICE OPERATIONS, EQUIPMENT REMOVAL, AND TRUCK ACCESS. FINAL TRANSFORMER ORIENTATION SHALL BE COORDINATED WITH ALLAINT ENERGY PRIOR TO INSTALLATION.

GENERATOR CLEARANCES:

1. THE ENCLOSURE FOR EMERGENCY SYSTEMS SHALL BE LOCATED AT LEAST 20 FEET FROM AN OUTDOOR ELECTRICAL TRANSFORMER, ELECTRICAL METERING, SERVICE EQUIPMENT OR NORMAL POWER DISTRIBUTION.

SECONDARY CONDUIT SPECIFICATIONS

MAIN DISCONNECT AMPERES	NUMBER OF CONDUITS	CONDUIT SIZE	MINIMUM BEND RADIUS (STEEL)	MINIMUM BEND RADIUS (PVC)
400	2	4"	16"	30"



ELECTRICAL SITE MAP
SCALE: 3/32"=1'-0" (11x17) 3/16"=1'-0" (24x36)
E102

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CONSENT STATEMENT
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PROPOSED MUNICIPAL WELL #3
DICKEYVILLE, WISCONSIN
PROJECT LOCATION: FOUNDRY WAY
DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808
OWNER: VILLAGE OF DICKEYVILLE

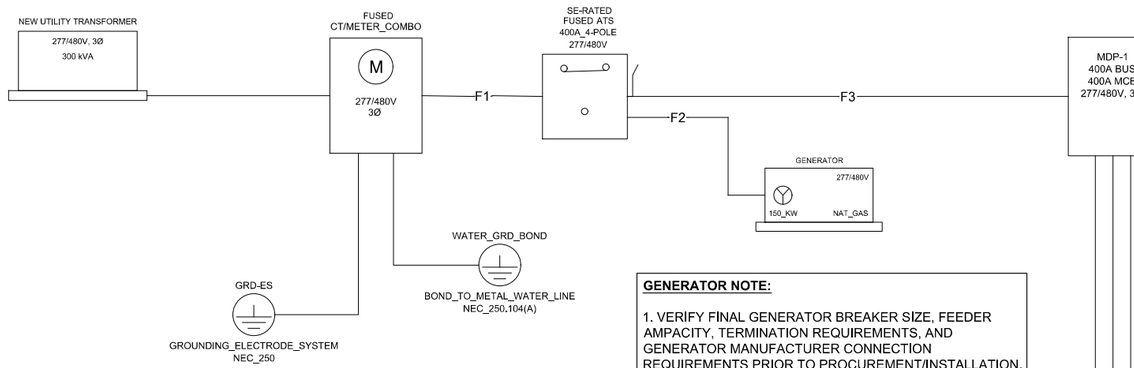
REVISIONS:		
NO.	DATE	DESCRIPTION
AS-BUILT:		BY:

FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	J. SMITH
DATE ISSUED	MAY 14, 2026
SHEET DESC.	ELECTRICAL SITE MAP

SHEET TITLE:

E102

SHEET NUMBER # **30 of 36**



GENERATOR NOTE:

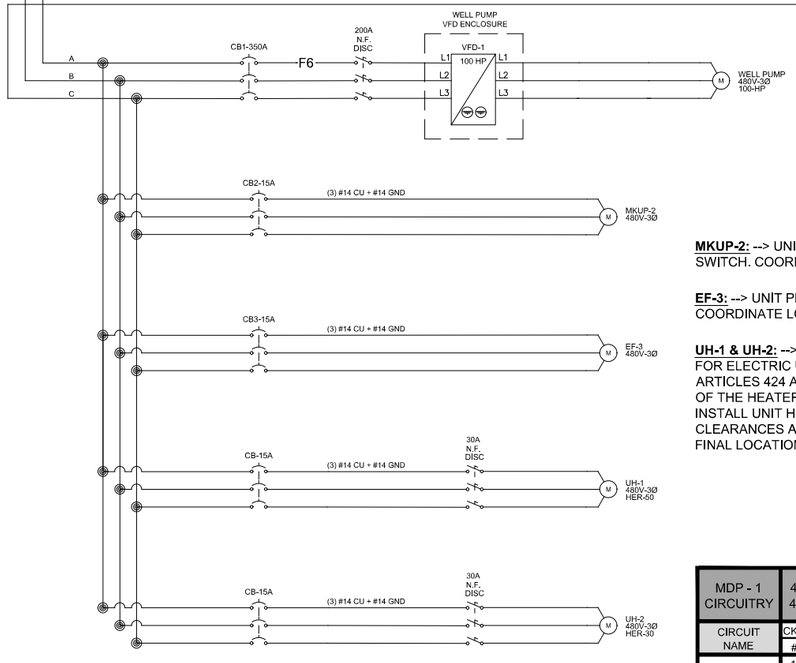
1. VERIFY FINAL GENERATOR BREAKER SIZE, FEEDER AMPACITY, TERMINATION REQUIREMENTS, AND GENERATOR MANUFACTURER CONNECTION REQUIREMENTS PRIOR TO PROCUREMENT/INSTALLATION.

ELECTRICAL NOTE (SERVICE ENTRANCE RATED (SE) ATS:

1. OVERCURRENT PROTECTION: PROVIDE OVERCURRENT PROTECTION (FUSES OR BREAKERS) SIZED PER NEC AND EQUIPMENT RATINGS AT EITHER THE UPSTREAM CT/METER MAIN OR WITHIN THE SERVICE ENTRANCE RATED ATS.

2. COORDINATION: ENSURE THE PROTECTION DEVICE(S) COORDINATE WITH THE SERVICE, GENERATOR, AND DOWNSTREAM EQUIPMENT.

3. VERIFICATION: VERIFY FINAL FUSING LOCATION, SIZING, AND TYPE WITH THE ENGINEER PRIOR TO PROCUREMENT AND INSTALLATION.



1. MOTOR CIRCUIT SHORT-CIRCUIT/GROUND FAULT PROTECTION PER NEC 430.52. CONDUCTORS SIZED PER NEC 430.22.

2. MOTOR OVERLOAD PROTECTION PROVIDED BY VFD.

3. PROVIDE HAND OFF AUTO (HOA) CONTROL - DESIGN BY OTHERS

MKUP-2: --> UNIT PROVIDED WITH INTEGRAL DISCONNECT SWITCH. COORDINATE LOCATION IF FIELD MOUNTED.

EF-3: --> UNIT PROVIDED WITH INTEGRAL DISCONNECT SWITCH. COORDINATE LOCATION IF FIELD MOUNTED.

UH-1 & UH-2: --> PROVIDE A LOCKABLE DISCONNECTING MEANS FOR ELECTRIC UNIT HEATER IN ACCORDANCE WITH NEC ARTICLES 424 AND 430. DISCONNECT SHALL BE WITHIN SIGHT OF THE HEATER AND SHALL BE NEMA 3R RATED MINIMUM. INSTALL UNIT HEATER PER MANUFACTURER'S RECOMMENDED CLEARANCES AND MOUNTING REQUIREMENTS. COORDINATE FINAL LOCATION WITH ENGINEER.

MDP - 1 CIRCUITRY	400A BUS 400A MCB			FED FROM: AUTOMATIC TRANSFER SWITCH (ATS)				277/480V 3Ø, 4W			DICKEYVILLE WELL #3	
CIRCUIT NAME	CKT #	BRKR P		LOAD	PHASE A	PHASE B	PHASE C	LOAD	BRKR P	CKT #	CIRCUIT NAME
WELL PUMP	1	3	350	34363	36192			1829	15	2	UH - 1
	3			34363		36192		1829		4	
	5			34363			36192	1829		6	
EF - 3	7	3	15	416	1419			1003	15	8	UH - 2
	9			416		1419		1003		10	
	11			416			1419	1003		12	
MKUP-2 (OUTSIDE)	13	3	15	831	20579			19748	200	14	75 kVA XFMR
	15			831		20579		19748		16	
	17			831			1174	343	15	18	104 LIGHTS
101 LIGHTS	19	1	15	996	996					20	SPARE
EXTERIOR LIGHTS	21	1	15	240		240				22	
102, 103, 105 RM LIGHTS	23	1	15	245			245			24	
SPARE	25									26	SPARE
	27									28	
	29									30	
SPARE	31									32	SPARE
	33									34	
	35									36	

PANEL LP - 1 CIRCUITRY	225A BUS 225A MCB			FED FROM: XFMR MDP-1 BKR: 14, 16			120/240V 1Ø, 3W			DICKEYVILLE WELL #3	
CIRCUIT NAME	CKT #	BRKR P	AMP	LOAD (VA)	PHASE A	PHASE B	LOAD (VA)	BRKR AMP	P	CKT #	CIRCUIT NAME
WH-1/AC-1 MINI-SPLIT	1	2	15	3600			10000	60	2	2	MKUP-1
	3									4	
WELDER	5	2	30	7200			625	15	2	6	EBBH-1
	7									8	
WH - 1	9	2	30	4500			1250	15	2	10	EBBH-2
	11									12	
101 - GFCI'S	13	1	20	720			960	20	1	14	DEHUMIDIFIER
101 - GARAGE DOOR	15	1	20	480			540	20	1	16	102 - GFCI
101 - GARAGE DOOR	17	1	20	480			540	20	1	18	102 - GFCI
101 - GFCI'S WORKBENCH	19	1	20	720			720	20	1	20	104 - GFCI
101 - RT-1	21	1	20	576			720	20	1	22	CHEMICAL FEED FLOW SWITCH
105 - GFCI	23	1	20	180			720	20	1	24	CHEMICAL FEED FLOW SWITCH
SCALE	25	1	15	540			720	20	1	26	104 - MAG METER
SCALE	27	1	20	540			72	20	1	28	104 - EF-1
101 - RCP	29	1	20	44			48	20	1	30	105 - EF-2
101 - WATER HEATER	31	1	15	600			2400	20	1	32	CP-1 WELL PUMP
SPARE	33									34	SPARE
SPARE	35									36	SPARE
SPARE	37									38	SPARE
SPARE	39									40	SPARE
SPARE	41									42	SPARE

FEEDER SCHEDULE:

F1 - CT/METER --> AUTOMATIC TRANSFER SWITCH (ATS)

(2) SETS OF:
(3) - #4/0 Cu / PHASE (A,B,C)
(1) - #4/0 Cu NEUTRAL
IN (2) - 3" SCH. 80 PVC

F2 - ATS --> 150 kW GENERATOR:

(3) - #250 KCMIL Cu / PHASE (A,B,C)
(1) - #250 KCMIL Cu NEUTRAL
(1) - #4 AWG EGC PER RACEWAY
IN (1) - 3" SCH. 80 PVC

F3 - ATS --> MAIN DISTRIBUTION PANEL (MDP-1):

(2) SETS OF:
(3) - #4/0 Cu / PHASE (A,B,C)
(1) - #4/0 Cu NEUTRAL
(1) - #3 AWG EGC PER RACEWAY
IN (2) - 3" SCH. 80 PVC

F4 - MDP-1 --> 75 kVA TRANSFORMER (XFMR)

(2) - #3/0 Cu / PHASE (L1, L2)
(1) - #4 AWG EGC
(1) - 2 1/2" RMC (RIGID METAL CONDUIT)

F5 - 75 kVA XFMR --> LIGHTING PANEL (LP-1):

(2) - #4/0 Cu / PHASE
(1) - #4/0 Cu NEUTRAL
(1) - #3 AWG EGC PER RACEWAY
(1) - 2 1/2" RMC (RIGID METAL CONDUIT)

F6 - MDP-1 --> WELL PUMP:

(3) - #3/0 Cu / PHASE (A,B,C)
(1) - #3 AWG EGC
(1) - 2 1/2" SCH. 80 PVC

F7 - LP-1 --> WELL PUMP MOTOR CONTROL PANEL (CP-1):

(1) - #12 AWG Cu PHASE (L1)
(1) - #12 AWG Cu NEUTRAL
(1) - #12 AWG EGC
(1) - 3/4" RMC (RIGID METAL CONDUIT)

ENGINEER:
DELTA 3
EVERY ANGLE COVERED
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898 JACKSON STREET DUBUQUE, IOWA 52001 PHONE: (563) 542-9095

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

MR. JORDAN FURE, P.E.
DELTA 3 ENGINEERING, INC.
TELEPHONE: (608) 348-5355

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PROPOSED MUNICIPAL WELL #3
DICKEYVILLE, WISCONSIN
PROJECT LOCATION: FOUNDRY WAY
OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE, P.O. BOX 219, DICKEYVILLE, WI 53808

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FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	J. SMITH
DATE ISSUED	MAY 14, 2026
SHEET DESC.	ELECTRICAL ONE LINE

SHEET TITLE:
E103
SHEET NUMBER # 31 of 36

INTERIOR SANITARY DRAIN SYSTEM:

1. THE MINIMUM SIZE OF A GRAVITY FLOW SANITARY BUILDING SEWER SHALL BE 4"Ø.
2. THE MINIMUM PITCH OF HORIZONTAL BRANCH DRAINS 2"Ø OR LESS SHALL BE 1/4" PER 1'.
3. THE MINIMUM PITCH OF HORIZONTAL BRANCH DRAINS LARGER THAN 2"Ø SHALL BE 1/8" PER 1'.
4. EVERY TRAP AND TRAPPED PLUMBING FIXTURE SHALL BE PROVIDED WITH AN INDIVIDUAL VENT. UNLESS OTHERWISE NOTED.
5. EACH PLUMBING FIXTURE, EACH COMPARTMENT OF A PLUMBING FIXTURE AND EACH FLOOR DRAIN SHALL BE SEPARATELY TRAPPED BY A WATER SEAL TRAP UNLESS THE FIXTURE HAS AN INTEGRAL TRAP.
6. A HORIZONTAL BRANCH DRAIN MAY NOT CONNECT DOWNSTREAM FROM THE BASE FITTING OF A DRAIN STACK 2"Ø OR LARGER WITHIN THE DISTANCE EQUAL TO 10 PIPE DIAMETERS OF THE DRAIN TO WHICH THE HORIZONTAL BRANCH DRAIN CONNECTS.
7. A BUILDING DRAIN BRANCH OR BUILDING SUB DRAIN BRANCH SHALL NOT CONNECT TO A BUILDING DRAIN OR BUILDING SUB DRAIN DOWNSTREAM FROM THE BASE FITTING OF A DRAIN STACK 2"Ø OR LARGER WITHIN THE DISTANCE EQUAL TO 20 PIPE DIAMETERS OF THE BUILDING DRAIN OR BUILDING SUB DRAIN.
8. EACH GRAVITY-FLOW SANITARY BUILDING SEWER SHALL BE SERVED BY AT LEAST ONE STACK WHICH EXTENDS FROM BUILDING DRAIN TO A VENT TERMINAL OR VENT HEADER.
9. THE STACK SHALL BE NOT LESS THAN 3" IN DIAMETER FROM THE BUILDING DRAIN TO THE VENT TERMINAL OR VENT HEADER.
10. WHERE INDIVIDUAL VENTS, RELIEF VENTS, OR OTHER BRANCH VENTS ARE REQUIRED, A VENT STACK AND A STACK VENT SHALL BE INSTALLED TO SERVE ALL DRAIN STACKS OF 5 OR MORE BRANCH INTERVALS.
11. CONNECT TO A STACK VENT AT LEAST 6" ABOVE THE FLOOD LEVEL RIM OF THE HIGHEST FIXTURE DISCHARGING INTO A DRAIN STACK.
12. THE CONNECTION OF A VENT STACK WITH ANOTHER VENT MAY NOT BE LESS THAN 38" ABOVE THE NEXT HIGHER FLOOR LEVEL WHERE THE PLUMBING FIXTURES ARE VENTED.
13. VENT PIPING FOR WALL OUTLET FIXTURES MAY NOT OFFSET LESS THAN 36" ABOVE THE FLOOR, OR LOWER THAN 2" ABOVE THE FLOOD RIM.
14. A VENT SHALL NOT CONNECT TO A FIXTURE DRAIN WITHIN THE DISTANCE EQUAL TO 2 DIAMETERS OF THE DRAIN PIPING FROM THE WEIR IF THE TRAP.
15. EXTENSIONS OF VENTS THROUGH A ROOF SHALL TERMINATE AT LEAST 8" ABOVE THE ROOF.
16. WHERE THE ROOF IS TO BE USED FOR ANY PURPOSE OTHER THAN WEATHER PROTECTION, THE VENTS SHALL EXTEND AT LEAST 7' ABOVE THE ROOF.
17. ALL VENT TERMINALS SHALL BE LOCATED AT LEAST 10' FROM AN AIR INTAKE, 5' FROM A POWER EXHAUST VENT, 10' HORIZONTALLY FROM OR 2' ABOVE ROOF SCUTTLES, DOORS AND OPENABLE WINDOWS, AND AT LEAST 5' FROM OR 2" ABOVE PARAPET WALLS.
18. ALL GRAVITY HORIZONTAL DRAINS WITHIN OR UNDER A BUILDING SHALL BE ACCESSIBLE THROUGH A CLEAN OUT.
19. THE DEVELOPED LENGTH OF DRAIN PIPING BETWEEN CLEANOUTS IN HORIZONTAL DRAINS SHALL NOT EXCEED 75FT FOR 3" OR GREATER AND 40FT FOR 2" OR LESS.
20. SANITARY BUILDING SEWERS 6"Ø OR LESS SHALL HAVE CLEANOUTS LOCATED NOT MORE THAN 100' APART.
21. EVERY CLEANOUT SHALL BE INSTALLED IN THE DIRECTION OF WASTE FLOW OR AT A RIGHT ANGLE THERETO.

WATER DISTRIBUTION:

1. IF A WATER SERVICE 2"Ø OR LESS CONNECTS TO A PUBLIC WATER MAIN, A CORPORATION COCK SHALL BE INSTALLED AT THE CONNECTION TO THE PUBLIC WATER MAIN.
2. A CURB STOP SHALL BE INSTALLED IN EACH WATER SERVICE WHICH CONNECTS TO A PUBLIC WATER MAIN. THE CURB STOP SHALL BE LOCATED BETWEEN THE CORPORATION COCK AND THE PROPERTY LINE.
3. IF A WATER METER IS PROVIDED, A BUILDING CONTROL VALVE SHALL BE INSTALLED WITHIN 3' OF DEVELOPED LENGTH DOWNSTREAM FROM THE OUTLET OF THE WATER METER. IF A BYPASS IS PROVIDED, A CONTROL VALVE MUST BE INSTALLED WITHIN THE BYPASS PIPING.
4. MANUAL ISOLATION VALVES SHALL BE INSTALLED IN THE SUPPLY PIPING TO EACH WATER HEATER, WATER TREATMENT DEVICE AND IN THE FIXTURE SUPPLY TO EACH PLUMBING FIXTURE.
5. IF THE DEVELOPED LENGTH OF HOT WATER DISTRIBUTION PIPING FROM THE SOURCE OF THE HOT WATER SUPPLY TO A PLUMBING FIXTURE EXCEEDS 25', A CIRCULATION SYSTEM OR SELF-REGULATING HEATING CABLE SHALL BE PROVIDED.
6. PROVIDE AND REGISTER APPROVED BACK FLOW PROTECTION AS REQUIRED.
7. IDENTIFICATION TO BE PROVIDED FOR ALL VALVES AND OUTLETS SUPPLYING NON-POTABLE WATER WITH NON-POTABLE TAGS. SYSTEMS HAVING DIFFERENT DEGREES OF HAZARD SHALL BE LABELED ACCORDINGLY PER CODE.
8. EVERY RELIEF VALVE WHICH IS DESIGNED TO DISCHARGE WATER OR STEAM SHALL BE CONNECTED TO A DISCHARGE PIPE.
9. ALL HOT WATER SUPPLY SYSTEMS SHALL BE EQUIPPED WITH AUTOMATIC TEMPERATURE CONTROLS AND A DISCHARGE PIPE.
10. PRIVATE WATER MAINS AND WATER SERVICES SHALL NOT BE LESS THEN 1" DIAMETER.
11. BEFORE A NEWLY CONSTRUCTED WATER SUPPLY SYSTEM IS TO BE PUT INTO USE, THE PIPING OF THE SYSTEM SHALL BE FILLED WITH WATER AND ALLOWED TO STAND FOR AT LEAST 24 HOURS AT PRESSURE. THEN EACH WATER OUTLET SHALL BE FLUSHED BEGINNING WITH THE OUTLET CLOSET TO THE BUILDING CONTROL VALVE. THE FLUSHING AT EACH WATER OUTLET SHALL CONTINUE FOR AT LEAST ONE MINUTE AND UNTIL WATER APPEARS CLEAR.
12. PLUMBING CONTRACTOR IS RESPONSIBLE FOR REVIEWING STATE APPROVED PLAN & APPROVAL LETTER. ALL CHANGES ADDRESSED IN APPROVAL LETTER ARE TO BE MADE.
13. ANY DEVIATION FROM PIPING MATERIALS REQUIRES APPROVAL BY THE PROJECT ENGINEER.
14. CONTRACTOR TO PROVIDE BALL VALVE FOR ALL BRANCH LINES IMMEDIATELY AFTER TEE OFF MAIN LINE SO BRANCH LINE CAN BE ISOLATED IF NECESSARY.
15. CONTRACTOR TO PROVIDE BALL VALVE IMMEDIATELY BEFORE ALL EQUIPMENT TERMINATIONS.
16. CONTRACTOR TO VERIFY CONNECTION REQUIREMENTS AND LINE SIZES WITH EQUIPMENT SUPPLIER PRIOR TO INSTALLING ANY PIPING.
17. PROVIDE UL 1738 VENTING SYSTEMS FOR ALL FUEL-FIRING APPLIANCES WITH PLASTIC PIPE VENTING SYSTEMS.

PIPE HANGERS:

1. PROVIDE MSS SP58 TYPE PIPE SUPPORT SYSTEMS. DRAIN PIPING SHALL BE CONSIDERED AS BEING FULL OF WATER. UNDERGROUND PIERS FOR PIPE SUPPORT SHALL BE OF CONCRETE, MASONRY, OR PLASTIC.
2. HANGERS AND STRAPS SHALL BE OF A COMPATIBLE MATERIAL THAT WILL REDUCE THE POTENTIAL FOR GALVANIC ACTION WITH THE PIPING.
3. HANGERS AND STRAPS MAY NOT DISTORT, CUT OR ABRADE PIPING.
4. PIPING HANGERS AND ANCHORS SHALL BE SECURELY ATTACHED TO THE BUILDING'S STRUCTURE AT INTERVALS TO SUPPORT THE PIPING AND ITS CONTENTS, BUT NOT AT INTERVALS GREATER THAN THOSE SPECIFIED IN THE CURRENT PLUMBING CODE.THE CONNECTION OF DRAIN PIPING TO A FIXTURE OR APPLIANCE SHALL BE CONSIDERED A POINT OF SUPPORT.
5. HUB-LESS PIPE INSTALLED IN THE HORIZONTAL POSITION SHALL BE SUPPORTED WITHIN 24" ON EACH SIDE OF A JOINT, UNLESS THE JOINT HAS AN ALIGNMENT RETAINING SHIELD.
6. HANGERS SHALL NOT BE ATTACHED TO A BUILDING'S STRUCTURE BY MEANS OF WOOD PLUGS.
7. SHOWER VALVES AND PIPING FROM THE SHOWER VALVE TO THE SHOWER HEAD OUTLET SHALL BE SECURELY ATTACHED TO THE STRUCTURE.

GENERAL NOTES

1. OBTAIN AND REVIEW ALL CONTRACT DOCUMENTS BEFORE SUBMITTING A BID. INFORMATION IS PROVIDED ON THE VARIOUS DRAWINGS, SCHEDULES, SPECIFICATIONS AND ALL OF THE DOCUMENTS INCLUDED IN THE BIDDING PACKAGE.
2. NOTIFY THE PROJECT MANAGER / ENGINEER IMMEDIATELY OF ANY CONFLICTS DISCOVERED BETWEEN DOCUMENTS. IF THE CONFLICT IS NOT RESOLVED PRIOR TO SUBMITTING A BID, CARRY THE LARGER QUANTITY AND/OR MORE EXPENSIVE ITEM(S).
3. REFER TO THE ENGINEERING DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHTS OF EQUIPMENT, FIXTURES, AND DEVICES IN FINISHED SPACES. COORDINATE EQUIPMENT, FIXTURE, AND DEVICE COLORS AND FINISHES WITH THE PROJECT MANAGER. MOUNTING HEIGHTS SHALL BE APPROVED BY THE PROJECT MANAGER.
4. THE ENGINEERING DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. IN ORDER TO INDICATE THE SCOPE OF WORK, THE PLANS ARE ARRANGED FOR CLARITY IN TWO DIMENSIONS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE ACTUAL LAYOUT OF SYSTEMS AND COORDINATION WITH OTHER SYSTEMS AND BUILDING ELEMENTS.
5. PERFORM ALL WORK IN COMPLIANCE WITH THE SPECIFICATIONS, APPLICABLE CODES, ORDINANCES AND THE REGULATORY AUTHORITY HAVING JURISDICTION.
6. COORDINATE LOCATIONS OF UTILITIES AND EQUIPMENT WITH OTHER TRADES BEFORE AND DURING CONSTRUCTION. ANY MODIFICATIONS TO THE EQUIPMENT AND UTILITY LAYOUTS REQUIRED FOR INSTALLATION ARE TO BE PERFORMED UNDER THE CONTRACT AGREEMENT AT NO ADDITIONAL COST.
7. PROVIDE ADDITIONAL TRANSITIONS AND OFFSETS IN ALL PIPING, DUCTWORK OR CONDUIT FOR COORDINATION WITH OTHER TRADES AND BUILDING ELEMENTS AND STRUCTURE.
8. COORDINATE ALL UTILITIES ENTERING OR LEAVING THE BUILDING WITH THE CIVIL ENGINEER OR SITE CONTRACTOR(S) BEFORE INSTALLATION. COORDINATE INVERTS WITH THE STRUCTURE AND SYSTEM REQUIREMENTS PRIOR TO INSTALLATION.
9. WHERE THE CONTRACT DOCUMENTS EXCEED CODE REQUIREMENTS, THE CONTRACT DOCUMENTS MUST BE FOLLOWED.
10. INSTALL ALL EQUIPMENT IN ACCESSIBLE LOCATIONS. WHERE EQUIPMENT MUST BE INSTALLED ABOVE AN INACCESSIBLE CEILING OR BEHIND A WALL, PROVIDE AN APPROPRIATE ACCESS DOOR RATED TO MATCH THE CEILING OR WALL RATING. COORDINATE THE LOCATION WITH THE PROJECT MANAGER PRIOR TO INSTALLATION.
11. PROVIDE A CONCRETE HOUSEKEEPING PAD FOR ALL FLOOR MOUNTED EQUIPMENT - REFER TO STRUCTURAL SHEETS
12. DO NOT INSTALL PIPING OVER ELECTRICAL PANELS, TRANSFORMERS, OR SPECIAL EQUIPMENT.
13. SYSTEMS OR COMPONENTS MAY NOT REST ON OR MAKE CONTACT WITH PIPING AND EQUIPMENT REQUIRED BY CODE TO BE INDEPENDENTLY SUPPORTED, SUCH AS FIRE PROTECTION PIPING AND MEDICAL GAS PIPING.
14. THE SPECIFIED MECHANICAL, FIRE PROTECTION, PLUMBING, HVAC, ELECTRICAL, TECHNOLOGY, AND SPECIAL SYSTEMS SHALL BE COMPLETE IN ALL RESPECTS APPROVED BY THE AUTHORITIES HAVING JURISDICTION AND READY FOR USE BY THE CLIENT / OWNER.
15. CONTRACTOR TO PROVIDE FIRE SEAL AT ALL FLOOR AND RATED WALL ASSEMBLIES PIPING SYSTEMS PENETRATIONS.
16. ALL GAS PIPING TO SCHEDULE 40 STEEL AND GAS PIPE SIZED PER NFPA 54 UNLESS NOTED OTHERWISE.

PIPING SUPPORT SPACING

PIPE MATERIAL	MAXIMUM HORIZ. SPACING (FT)	MAXIMUM VERT. SPACING (FT)
CAST IRON	5[a]	15
COPPER OR COPPER – ALLOY PIPE	12	10
COPPER OR COPPER – ALLOY TUBING: < 1 1/4"Ø	6	10
COPPER OR COPPER – ALLOY TUBING: > 1 1/2"Ø	10	10
DUCTILE IRON	5[a]	15
GALVANIZED STEEL	12	15
POLYVINYL CHLORIDE, FLEXIBLE (PVC)	2	4
POLYVINYL CHLORIDE, (PVC)	4	10
STAINLESS STEEL	12	15

a. THE MAXIMUM HORIZONTAL SPACING FOR SUPPORTS MAY BE INCREASED TO 10 FEET WHEN 10–FOOT LENGTHS OF PIPE ARE EMPLOYED.
b. MID–STORY GUIDE IS TO BE EMPLOYED.

PIPE INSULATION SCHEDULE

PIPE	SIZE	THICKNESS	CONDUCTIVITY
HOT WATER SUPPLY 140°F MAX	≤ 1 1/2"	1	.22 - .28
HOT WATER SUPPLY 140°F MAX	≥ 2"	1.5	.22 - .28
COLD WATER SUPPLY ABOVE GRADE	≤ 1 1/2"	0.5	.21 - .27
COLD WATER SUPPLY ABOVE GRADE	≥ 2"	1	.21 - .27
HOT WATER RETURN	≤ 1 1/2"	1	.22 - .28

PLUMBING LEGEND

3" (12)	PIPE DIAMETER (FIXTURE UNIT)
S S	SANITARY WASTE - DOMESTIC
S S	BUILDING SANITARY SEWER
CI CI	CAST IRON SEWER
FM FM	FORCED MAIN SEWER
	SANITARY VENT - DOMESTIC
	COLD WATER - DOMESTIC
W	BUILDING WATER SERVICE
	COLD WATER - HARD - DOMESTIC
	HOT WATER - DOMESTIC
	HW RECIRCULATION - DOMESTIC
THW	TEMPERED HOT WATER
	TEE - BRANCH TO SIDE
	TEE - BRANCH DOWN
	RISER UP
	RISER DOWN
	FLOOR CLEAN OUT
	WALL CLEAN OUT
	UNION
	COUPLING
	INCREASER
	FLOW
	SHUT-OFF ISOLATION VALVE
	CHECK VALVE
	PRESSURE REDUCING VALVE
	BALANCING VALVE
	THERMOSTATIC MIXING VALVE
	CIRCULATION PUMP
	IN-LINE BOOSTER PUMP
	DRAIN VALVE
	PIPE STRAINER
	HOSE BIBB
	WATERTIGHT CAP
	WATER HAMMER ARRESTOR
	FLOOR DRAIN
	OPEN HUB DRAIN

ABBREVIATIONS

AIR	COMPRESSED AIR
AAV	AIR ADMITTANCE VALVE
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AG	AIR GAP
BCV	BUILDING CONTROL VALVE
BFF	BELOW FINISH FLOOR
BFG	BELOW FINISH GRADE
BFV	BACKFLOW VALVE
BP	BOOSTER PUMP
BWV	BACK WATER VALVE
CB	CATCH BASIN
CDVS	COMBO DRAIN AND VENT STACK
CI	CAST IRON PIPE
CIP	CLEAN-IN-PLACE
CMV	COMMON VENT
CO	CLEAN OUT
CPVC	CHLORINATED POLY (VINYL CHLORIDE) PIPE
CSW	COLD SOFT WATER
CL	CENTER LINE
CV	CIRCUIT VENT
CW	COLD WATER
CWW	CLEAR WATER WASTE
D	SANITARY DRAIN
DBO	DESIGN BY OTHERS
DF	DRINKING FOUNTAIN
DHX	DOMESTIC HEAT EXCHANGER
DS	DRAIN STACK
DW	DISHWASHER
EX	EXISTING
EC	ELECTRICAL CONTRACTOR
EM	EMERGENCY EYE WASH / SHOWER
FCO	FLOOR CLEAN OUT
FM	FORCED MAIN SEWER
FWG	FOOD WASTE GRINDER
FD	FLOOR DRAIN
GAS	NATURAL GAS
GC	GENERAL CONTRACTOR
HB	HOSE BIBB
HC	HVAC CONTRACTOR
HW	HOT WATER
HWR	HOT WATER RETURN
IE	INVERT ELEVATION
L	LAVATORY
MB	MOP BASIN
MBV	MAIN BUILDING VENT
MH	MANHOLE
MV	MIXING VALVE
OD	OVERFLOW DRAIN
OHD	OPEN HUB DRAIN
ORD	OVERFLOW ROOF DRAIN
P	PRESSURE SENSOR
PC	PLUMBING CONTRACTOR
PCW	PROCESS COLD WATER
PHW	PROCESS HOT WATER
PHWR	PROCESS HW RETURN
PHX	PLATE HEAT EXCHANGER
PI	PRESSURE INDICATOR
POU	POINT OF USE
PRV	PRESSURE REDUCING VALVE
PW	PROCESS WASTE
RPZ	REDUCED PRESSURE ZONE BACKFLOW PROTECTION
RCP	RECIRCULATION PUMP
RV	RELIEF VENT
S	SINK
SAN	SANITARY
SD	SUBSOIL DRAIN
SH	SHOWER
ST	STORM
THW	TEMPERED HOT WATER
TI	TEMPERATURE INDICATOR
TD	TRENCH DRAIN
TBV	THERMOSTATIC BALANCING VALVE
TMV	THERMOSTATIC MIXING VALVE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
US	UTILITY SINK
VC	VERTICAL CONNECTION OF VENT
VS	VENT STACK
VHDR	VENT HEADER PIPE
VTR	VENT THROUGH ROOF
VWV	VERTICAL WET VENT
W	DOMESTIC WATER
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WH	WATER HEATER
WHA	WATER HAMMER ARRESTOR
WS	WATER SOFTENER
YCO	YARD CLEAN OUT

PLUMBING FIXTURE SCHEDULE

ID	FIXTURE	WASTE DFU	HOT WATER WSFU	COLD WATER WSFU	DESCRIPTION
L-1	LAVATORY WALL HUNG ADA	1	0.5	0.5	**FIXTURE:** KOHLER PINOIR K-2028-4, 18"x12" OVAL BOWL, ADA, 4" CENTERS, WHITE, 3 HOLE, OVERFLOW. MEETS ASME A112.19.2. **FAUCET:** DELTA FAUCET B501LF-LH, SINGLE HANDLE DECK MOUNTED CHROME FINISH LESS DRAIN KIT,1.20 gpm MAX. FLOW RATE - PROVIDE 0.3 gpm AERATOR, 1/2" H+C SUPPLIES MEETS ASME A112.18.1 **STOPS & SUPPLIES:** LOOSE KEY QUARTER TURN ANGLE STOPS MEETS ASME A112.18.1 W/ CHROME ESCUTCHEONS, & FLEXIBLE S.S. BRAIDED SUPPLY LINE MEETS ASME A112.18.6, NSF 372, AND NSF 61/9. **DRAIN:** OFFSET GRID DRAIN, 1-1/4"Ø, 17 GAUGE, CHROME FINISH, ADA OFFSET, 19 HOLES - COORDINATE W/ BOWL REQUIREMENTS, 1-1/4"Ø, 17 GAUGE, CHROME FINISH, 19 HOLES **P-TRAP:** 1-1/4" P-TRAP, FLANGE, QUARTER BEND, J-BEND, RUBBER WASHERS, NUTS W/ DEARBORN 760W-1, 1-1/4" GRID DRAIN WHEELCHAIR OUTLET PLUG. **MIXING VALVE:** WATTS SERIES LFUSG-B-M2, UNDER SINK GUARDIAN THERMOSTATIC MIXING VALVE. TEMP. SETTING 105°F RECOMMENDED, MEETS ASSE1070. **ACCESSORIES:** DEARBORN ADA100, SAFETY SERIES ADA COMPLIANT TUBULAR COVERS, FIXTURE MEETS ASTM A112.18.9, IAPMO PS-94, ASTM C1822-2018, ASTM G21 / G22 ISO 846-C.
WC-1	WATER CLOSET FLUSH TANK ADA	6	N/A	3.0	**FIXTURE:** KOHLER CIMARRON K-5310 RA, TWO PIECE TOILET K5309 AND K4369-RA, FLOOR MOUNTED, WHITE, ADA, 12" CL. OUTLET, ELONGATED BOWL, 2-1/8" TRAPWAY SKIRTED, WAX RING, BRASS CLOSET FLANGE, MIN. STATIC PRESSURE 20 PSI, 1.28 gpf, 1/2" SUPPLY, FIXTURE MEETS ASME A112.19.2, TRIP LEVER TO BE MOUNTED ON OPEN / WIDE SIDE OF FIXTURE REFER TO PLAN. **ACCESSORIES:** KOHLER K-4666-C QUIET CLOSE, ELONGATED SEAT LESS COVER, 5-1/2" MOUNTING HOLES, SELF SUSTAINING HINGES, MEETS ANSI Z124.5. **STOPS & SUPPLIES:** LOOSE KEY QUARTER TURN SWEATxCOMPRESSION ANGLE STOPS MEETS ASME A112.18.1 W/ CHROME ESCUTCHEONS, & FLEXIBLE S.S. BRAIDED SUPPLY LINE MEETS ASME A112.18.6, NSF 372, AND NSF 61/9.
S-1	UTILITY SINK WITH LEGS	1	1.0	1.0	**FIXTURE:** MUSTEE 12CF UTILATUB MOP BASIN. 18"x23"x33" BASIN, 1-1/2" DRAIN, 1/2" H+C SUPPLIES, 15 GAL CAP., 13" TUB, 6" SWING SPOUT FAUCET W/ AERATOR, DECK SHELF, (4) STEEL LEGS, WHITE, MOUNTING BRACKETS, MEETS ANSI Z 124-2011. **FAUCET:** INCLUDED WITH FIXTURE. **STOPS & SUPPLIES:** LOOSE KEY QUARTER TURN ANGLE STOPS MEETS ASME A112.18.1 W/ CHROME ESCUTCHEONS, & FLEXIBLE S.S. BRAIDED SUPPLY LINE MEETS ASME A112.18.6, NSF 372, AND NSF 61/9. **ACCESSORIES:** WATTS SERIES LFN9-CD BACKFLOW PREVENTER (HIGH HAZARD BACKSIPHONAGE BACKFLOW & LOW-HEAD BACKPRESSURE PER ASSE 1052)
HB-1	INTERIOR SMOOTH END SPOUT WALL FAUCET	N/A	0.0	3.0	**FIXTURE:** ZURN AQUASPEC Z80401 FAUCET, CHROME PLATED, SMOOTH SPOUT, LEVER HANDLE, 1/2" SUPPLY CONNECTION, WALL MOUNTED, EXPOSED CAST COPPER DROP EAR ELBOW.
HB-2	INTERIOR HOSE BIBB	N/A	0.0	4.0	**FIXTURE:** WOODFORD MODEL 24 ANTI-SIPHON WITH 3/4" HOSE CONNECTION AND VACUUM BREAKER, 3/4" SUPPLY CONNECTION, WALL MOUNTED, EXPOSED CAST COPPER DROP EAR ELBOW, MEETS ASSE 1011
HB-3	EXTERIOR HOSE BIBB	N/A	0.0	4.0	**FIXTURE:** WOODFORD MODEL 17, BACKFLOW PROTECTED AUTOMATIC DRAIN FREEZELESS WALL HYDRANT, 3/4" INLET, INLET SELECTION BY PLUMBING CONTRACTOR, MEETS ASSE 1019.
UT-1	MOP SINK FLOOR MOUNTED SURFACE MOUNTED FAUCET	3	2.0	2.0	**FIXTURE:** FIAT MOLDED-STONE MOP BASIN. 24"x24"x10" BASIN, 3" DRAIN, MODEL MSB2424, MOP HANGER, STRAINER, STAINLESS STEEL WALL GUARDS, VINYL BUMPERGUARD. **FAUCET:** CHICAGO 835-XKCRCF, SURFACE MOUNTED, 1/2" H+C SUPPLIES EXPOSED ON WALL, 6" FIXED CENTERS, CROSS HANDLES BLUE AND RED DESIGNATIONS, SERVICE FAUCET W/ 3/4" HOSE THREAD, VACUUM BREAKER, ROUGH CHROME PLATED, WALL BRACE, PAIL HOOK, MEETS ANSI-A112.18.1 AND ASSE 1001, NOT INTENDED FOR CONTINUOUS PRESSURE APPLICATION. **ACCESSORIES:** WATTS SERIES LFN9-CD BACKFLOW PREVENTER (HIGH HAZARD BACKSIPHONAGE BACKFLOW & LOW-HEAD BACKPRESSURE PER ASSE 1052) FOR CONTINUOUS PRESSURE APPLICATION. (IF APPLICABLE)
FD-1	FLOOR DRAIN 3" P-TRAP	3	N/A	N/A	**FIXTURE:** SIOUX CHIEF 842-4PSRV, ON-GRADE ADJUSTABLE FLOOR DRAIN, NICKEL-BRONZE RING / STRAINER, ABS HEAD ADAPTER W/ BRASS THREAD INSERTS, PVC BASE ADAPTER, MEETS ASME A112.6.3.

PLUMBING FIXTURE SCHEDULE

ID	FIXTURE	WASTE DFU	DESCRIPTION
FD-1	FLOOR DRAIN 3" P-TRAP	3	**FIXTURE:** SIOUX CHIEF 842-4PSRV, ON-GRADE ADJUSTABLE FLOOR DRAIN, NICKEL-BRONZE RING / STRAINER, ABS HEAD ADAPTER W/ BRASS THREAD INSERTS, PVC BASE ADAPTER, MEETS ASME A112.6.3.
TD-1	TRENCH DRAIN	4	**FIXTURE:** ZURN Z886-HD SERIES TRENCH DRAIN AND GRATE SYSTEM, CHEMICAL RESISTANT GRATE., 4" OUTLET PIPE TO CB-1
CB-1	CATCH BASIN	N/A	**FIXTURE:** JIM MURRAY BIG EASY FIBERGLASS STRUCTURE 36" DIA x 48" DEEP W/ FRAME AND H20 TRAFFIC RATED SOLID LID, MODEL NO. BZM-BIG-EASY AND INLET SEALS. CONTRACTOR TO VERIFY BUILDING SANITARY SEWER INLET ELEVATION FOR EXACT DEPTH OF CATCH BASIN FOR CATCH BASIN DISCHARGE TO PROVIDE POSITIVE DRAINAGE.
MMV	MASTER MIXING VALVE		**FIXTURE:** LEONARD ECO-MIX TM-26-BDT-LF THERMOSTATIC MASTER MIXING VALVE, MIN. 1 GPM FLOW, 3/4" INLETS / OUTLET, BALL VALVE W/ THERMOMETER. MEETS ASSE 1017.
EM-1	EMERGENCY EYE WASH / DRENCH SHOWER		**FIXTURE:** BRADLEY MODEL #S19314-CA3BB0B0P, COMBINATION DRENCH SHOWER AND HALO EYE/FACE WASH W/ PLASTIC BOWL **THERMOSTATIC MIXING VALVE TMV:** LEONARD ECO-MAX TM-600-LF, 3/4" H+C TOP INLETS, 1" TOP OUTLET TEMPERED SUPPLY, DIAL THERMOMETER, INTERNAL COLD WATER BYPASS UPON HOT WATER FAILURE AT 20 gpm MIN, 10 psi LOSS at 20 gpm, MEETS ASSE 1071. PROVIDE STAINLESS STEEL INSULATED CABINET.
FCO	FLOOR CLEANOUT		**FIXTURE:** SIOUX CHIEF 852, ADJUSTABLE CLEAN OUT, SQUARE GRATE, STAINLESS STEEL RING / COVER, PVC HEAD ADAPTER, PVC BASE ADAPTER - SEE PLAN FOR PIPE DIAMETER DESIGNATION
CO	CLEANOUT		**FIXTURE:** EXPOSED CLEAN-OUT CAP

PLUMBING FIXTURE SCHEDULE - ALTERNATE BID (ADDITIONAL)

ID	FIXTURE	DESCRIPTION
BFL	BOILER FILL VALVE	**FIXTURE:** WATTS 911 SERIES COMBINATION FILL VALVE AND BACKFLOW PREVENTER, 1/2" INLET FOR MAKE-UP WATER, WATTS REGULATOR MODEL 9D BACKFLOW PREVENTER AND MODEL 1156 FEED WATER PRESSURE REGULATOR. PC TO COORDINATE W/ HC FOR ALL REQUIREMENTS TO BOILERS. REFER TO SHEET M101 ALTERNATE BID FOR LOCATION OF BOILER.

PIPING VOLUME AND MAX. PIPING LENGTHS

TABLE 382.40-1d

NOMINAL PIPE SIZE (INCHES)	VOLUME (LIQUID OUNCES PER FOOT LENGTH)	MAXIMUM PIPING LENGTH (FEET)	
		PUBLIC LAVATORY FAUCETS	OTHER FIXTURES AND APPLIANCES
1/4	0.33	24	25
5/16	0.5	16	25
3/8	0.75	12.5	25
1/2	1.5	6	25
5/8	2	4	25
3/4	3	2	25
7/8	4	0.5	25
1	5	0.5	25
1 1/4	8	0.5	25
1 1/2	11	0.5	25
2	18	0.5	25

1 GALLON = 128 OUNCES

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DUBUQUE, IOWA 52001

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

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PROPOSED MUNICIPAL WELL #3

DICKEYVILLE, WISCONSIN

PROJECT LOCATION: FOUNDRY WAY
OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

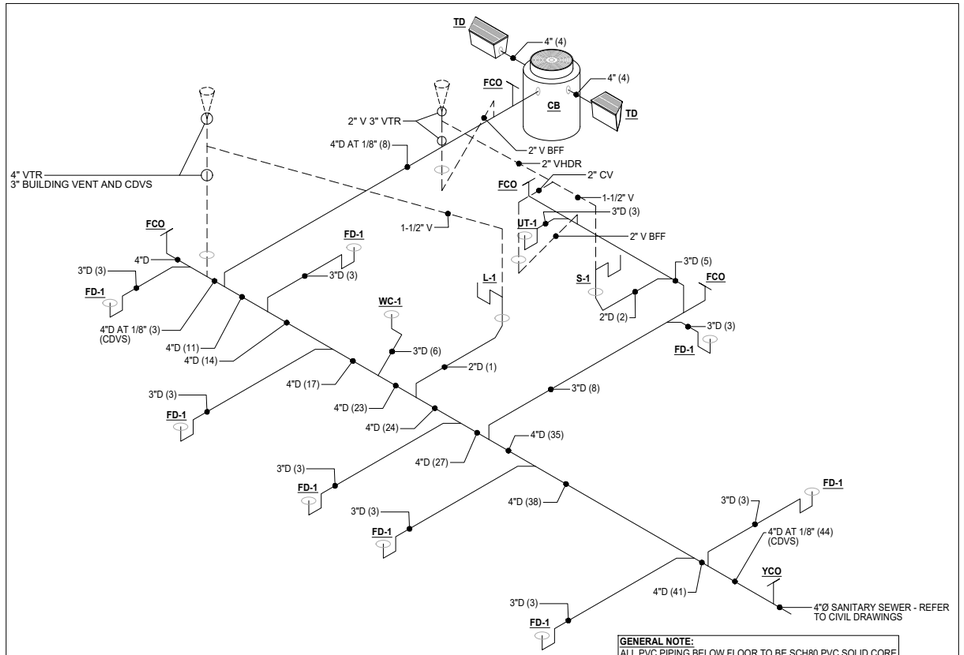
REVISIONS:		
NO.	DATE	DESCRIPTION
AS-BUILT:		BY:

FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	J.LEIBOLD
DATE ISSUED	MAY 14, 2026
SHEET DESC.	GENERAL PLUMBING NOTES

SHEET TITLE:

P001

SHEET NUMBER # **32 of 36**



GENERAL NOTE:
ALL PVC PIPING BELOW FLOOR TO BE SCH80 PVC SOLID CORE
ALL PVC PIPING ABOVE FLOOR TO BE SCH40 PVC SOLID CORE
ALL PIPING 2" OR SMALLER TO SLOPE MIN. 2%
ALL PIPING 3" AND LARGER TO SLOPE MIN. 1%

DRAIN, WASTE, AND VENT PLUMBING SCHEMATIC
NO SCALE | P101

SANITARY SEWER & VENT PIPING:

ALL SANITARY SEWER PIPING SHALL BE SOLID PVC SCHEDULE 40 W/ DRAINAGE FITTINGS. SEWER PIPING 2" AND UNDER SHALL SLOPE AT 1/4" PER FOOT AND 3" AND LARGER PIPING SHALL SLOPE AT 1/8" PER FOOT DOWN TOWARDS SANITARY MAIN CONNECTION POINT.

SOLID-WALL PVC PIPE: ASTM D 2665, DRAIN, WASTE, AND VENT.
PVC SOCKET FITTINGS: ASTM D 2665, MADE TO ASTM D 3311, DRAIN, WASTE, AND VENT PATTERNS AND TO FIT SCHEDULE 40 PIPE.

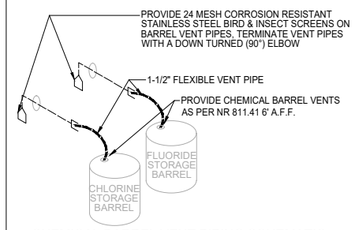
ADHESIVE PRIMER: ASTM F 656.

1. ADHESIVE PRIMER SHALL HAVE A VOC CONTENT OF 550 G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).

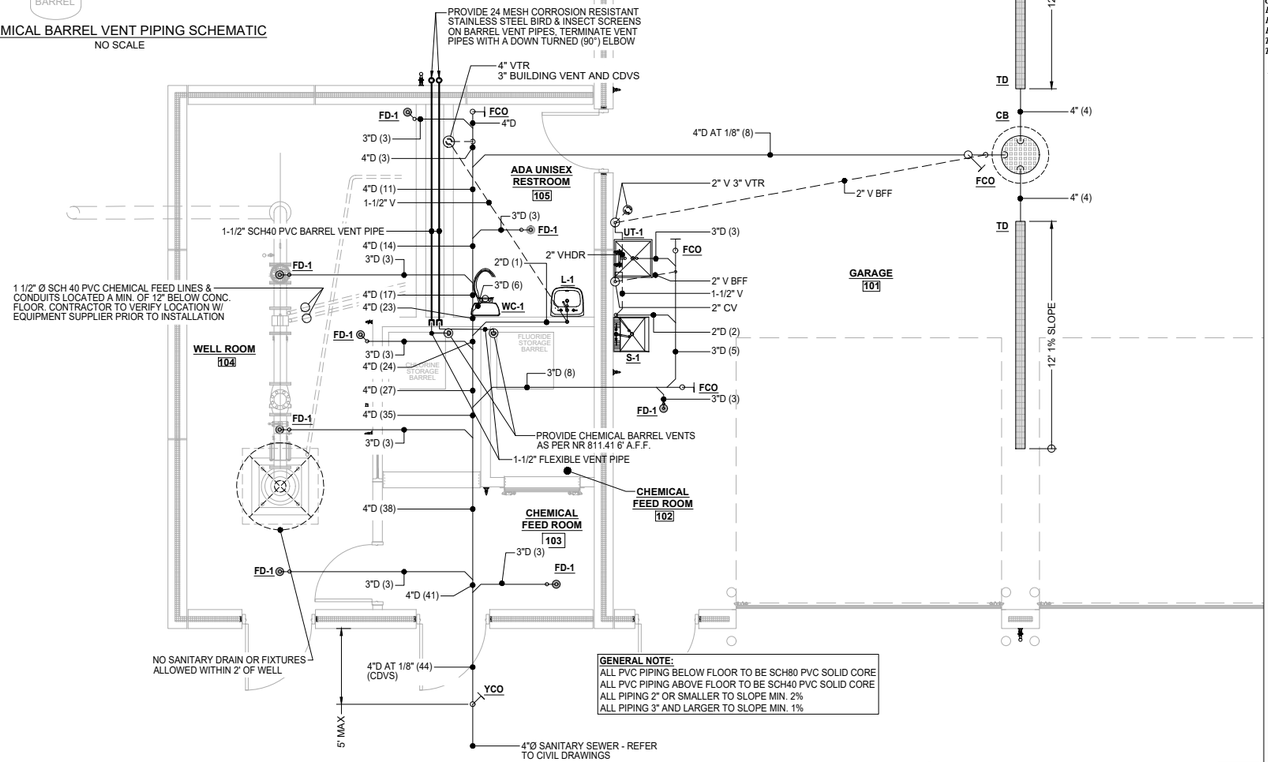
SOLVENT CEMENT: ASTM D 2564.

2. PVC SOLVENT CEMENT SHALL HAVE A VOC CONTENT OF 510 G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).

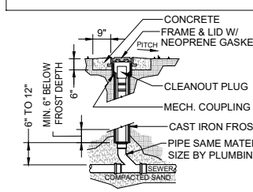
GENERAL PLUMBING NOTES:
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2. PLUMBING CONTRACTOR SHALL COORDINATE W/ ALL OTHER TRADES PRIOR TO COMMENCEMENT OF WORK.
3. FURNISH AND INSTALL PLUMBING PRODUCTS IN COMPLIANCE W/ LOCAL BUILDING CODES, THE AUTHORITY HAVING JURISDICTION, AND IN ACCORDANCE W/ GENERALLY ACCEPTED INDUSTRY STANDARDS AND PRACTICES. INSTALL PLUMBING PRODUCTS PER MANUFACTURER'S RECOMMENDATIONS.
4. CONTRACTOR TO PROVIDE FIRE SEAL AT ALL FLOOR AND RATED WALL ASSEMBLIES PIPING SYSTEMS PENETRATIONS.



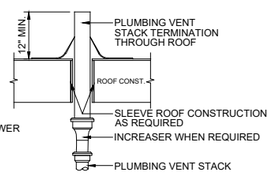
CHEMICAL BARREL VENT PIPING SCHEMATIC
NO SCALE



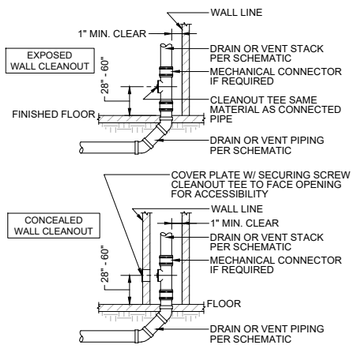
DRAIN, WASTE, & VENT PLUMBING PLAN
SCALE:1/8" = 1'-0" (11x17) 1/4" = 1'-0" (24x36) | P101



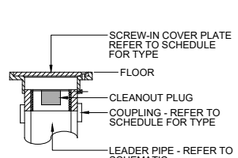
CLEANOUT - EXTERIOR YARD (YCO)
SCALE: N.T.S.



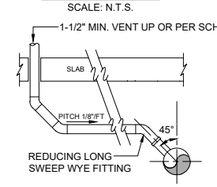
VENT THRU ROOF
SCALE: N.T.S.



VERTICAL CLEANOUT
SCALE: N.T.S.

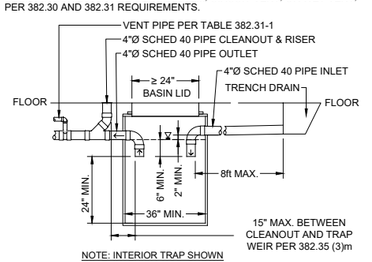


CLEANOUT - INTERIOR FLOOR (FCO)
SCALE: N.T.S.



UNDERGROUND VENT SECTION
SCALE: N.T.S.

NOTE:
VENT NOT REQUIRED IF CATCH BASIN IS VENTED THROUGH A COMBINATION DRAIN AND VENT SYSTEM, CIRCUIT VENT, OR WET VENT, PER 382.30 AND 382.31 REQUIREMENTS.



NOTE: INTERIOR TRAP SHOWN

CONTRACTOR NOTE !!!
VERIFY PIT DEPTH REQUIREMENTS BASED ON INCOMING PIPE RUN LENGTHS AND SLOPES AS WELL AS THE OUTLET STRUCTURE REQUIREMENTS PRIOR TO ORDERING UNIT TO ASSURE PROPER DEPTH IS PROVIDED. REFER TO PLUMBING FIXTURE SCHEDULE FOR BASIN AND LID REQUIREMENTS

CATCH BASIN W/ UNTRAPPED TRENCH DRAIN
SCALE: N.T.S.

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PROPOSED MUNICIPAL WELL #3

DICKEYVILLE, WISCONSIN

PROJECT LOCATION: FOUNDRY WAY
DICKEYVILLE; 500 EAST AVENUE, P.O. BOX 219, DICKEYVILLE, WI 53808

OWNER: VILLAGE OF DICKEYVILLE

REVISIONS:		
NO.	DATE	DESCRIPTION
AS-BUILT:		BY:
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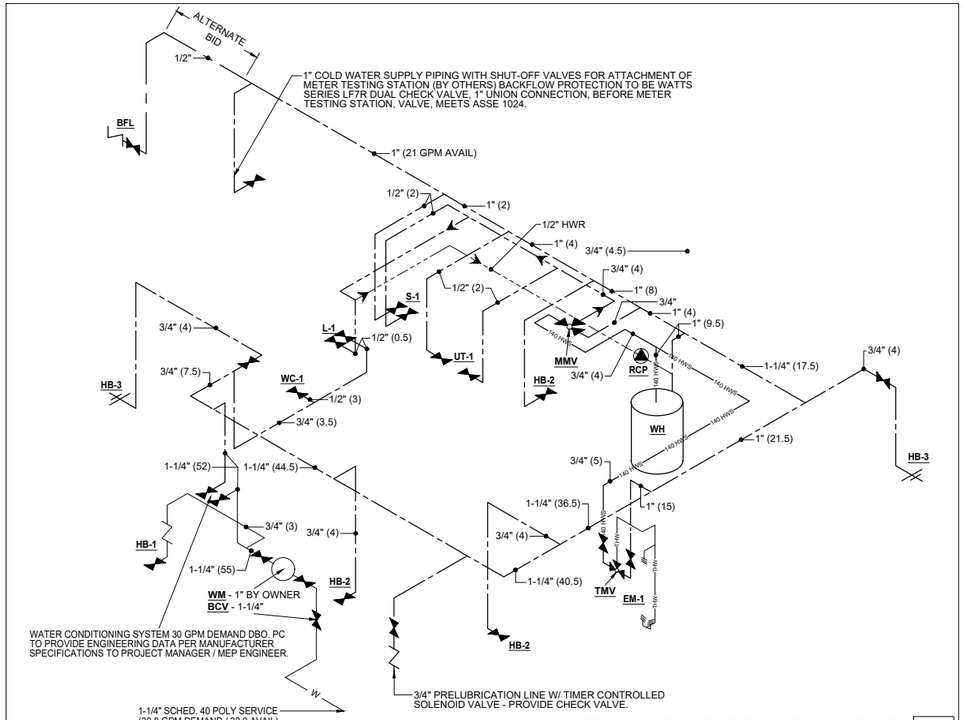
FOR BID

PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	J.LEIBOLD
DATE ISSUED	MAY 14, 2026
SHEET DESC.	DRAIN, WASTE, AND VENT PLUMBING PLAN AND SCHEMATIC

SHEET TITLE:

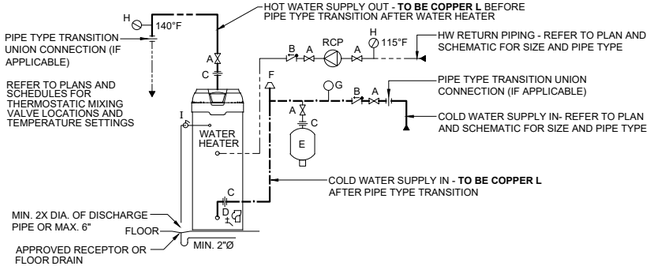
P101

SHEET NUMBER # **33 of 36**



DRAIN, WASTE, AND VENT PLUMBING SCHEMATIC

NO SCALE | P201



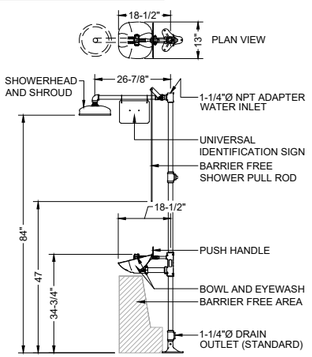
WH - WATER HEATER PIPING DIAGRAM

SCALE: N.T.S.

WATER HEATER CONNECTIONS LEGEND:

A	SHUT-OFF VALVE
B	CHECK VALVE
C	UNION JOINT
D	DRAIN
E	EXPANSION TANK
F	VACUUM RELIEF VALVE
G	PRESSURE GAUGE
H	TEMP. & PRESSURE GAUGE
I	TEMP. & PRESSURE RELIEF VALVE

HOT WATER CIRCULATING SYSTEM SETTINGS:
PUMP SHALL START WHEN DEMAND IS CALLED FOR PER BALANCING VALVE TEMPERATURE SETTING. PUMP SHALL TURN OFF WHEN DEMAND TEMPERATURE SETTING IS ACHIEVED AND WHEN THERE IS NO DEMAND FOR HOT WATER. PROVIDE 24/7 TIMER TO CONTROL SYSTEM ACTIVATION TIMES PER OCCUPANCY SCHEDULE



EM - FREE STANDING EMERGENCY EYE / DRENCH SHOWER

SCALE: N.T.S.

EMERGENCY EYE WASH / DRENCH SHOWER DESIGN CRITERIA

SHOWER HEAD NOTES:

- SHOWER HEAD MUST BE CAPABLE OF FLOWING **20 GPM AT 30 PSI**, AND PRODUCING A 20" DIAMETER SPRAY PATTERN AT 60" A.F.F.
- THE CENTER OF THE SPRAY HEAD PATTERN SHOULD BE AT LEAST 16" FROM ANY WALL, DOOR, OR OBSTRUCTION.
- RECOMMENDED SHOWER HEAD MOUNTING HEIGHT BETWEEN 82" AND 96" OFF THE FLOOR. VALVE NO HIGHER THAN 96".

EYE WASH STATION NOTES:

- EYE WASH STATION FLOW OF **0.4 GPM AT 30 PSI**.
- THE NOZZLES SHOULD BE AT LEAST 6" FROM ANY OBSTRUCTIONS AND MOUNTED BETWEEN 33" AND 45" A.F.F.
- AN EYE WASH GAUGE SHOULD BE USED TO VERIFY AND TEST FLOW.

GENERAL NOTES:

- SAFETY SHOWERS AND EYE WASH STATIONS ARE REQUIRED TO PROVIDE TEPID WATER AT REQUIRED FLOWS FOR **15 MINUTES**.
- TEPID WATER IS WATER BETWEEN 60° - 100° PER ANSI.

EMERGENCY EYE WASH CALC:

% HOT WATER **X** TEMP **+** % COLD WATER **X** TEMP **=** FINAL TEMP

CALCULATION:
5 GPM (25%) AT 140°f HOT WATER SUPPLY **+** 15 GPM (75%) AT 40°f COLD WATER SUPPLY = 20 GPM AT 65°f MIXING FINAL TEMP.

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3. FURNISH AND INSTALL PLUMBING PRODUCTS IN COMPLIANCE W/ LOCAL BUILDING CODES, THE AUTHORITY HAVING JURISDICTION, AND IN ACCORDANCE W/ GENERALLY ACCEPTED INDUSTRY STANDARDS AND PRACTICES. INSTALL PLUMBING PRODUCTS PER MANUFACTURER'S RECOMMENDATIONS.
4. CONTRACTOR TO PROVIDE FIRE SEAL AT ALL FLOOR AND RATED WALL ASSEMBLIES PIPING SYSTEMS PENETRATIONS.

DOMESTIC WATER PIPING:

COPPER TYPE L, K, M

ALL COPPER PIPING FITTINGS TO BE COPPER SWEAT TYPE CONNECTIONS.
PRESSURE-SEALED JOINTS FOR COPPER TUBING (PRO-PRESS TYPE) FITTING CONNECTIONS **ARE NOT ACCEPTABLE !!!**

ASTM B 88 TYPE L COPPER TUBE

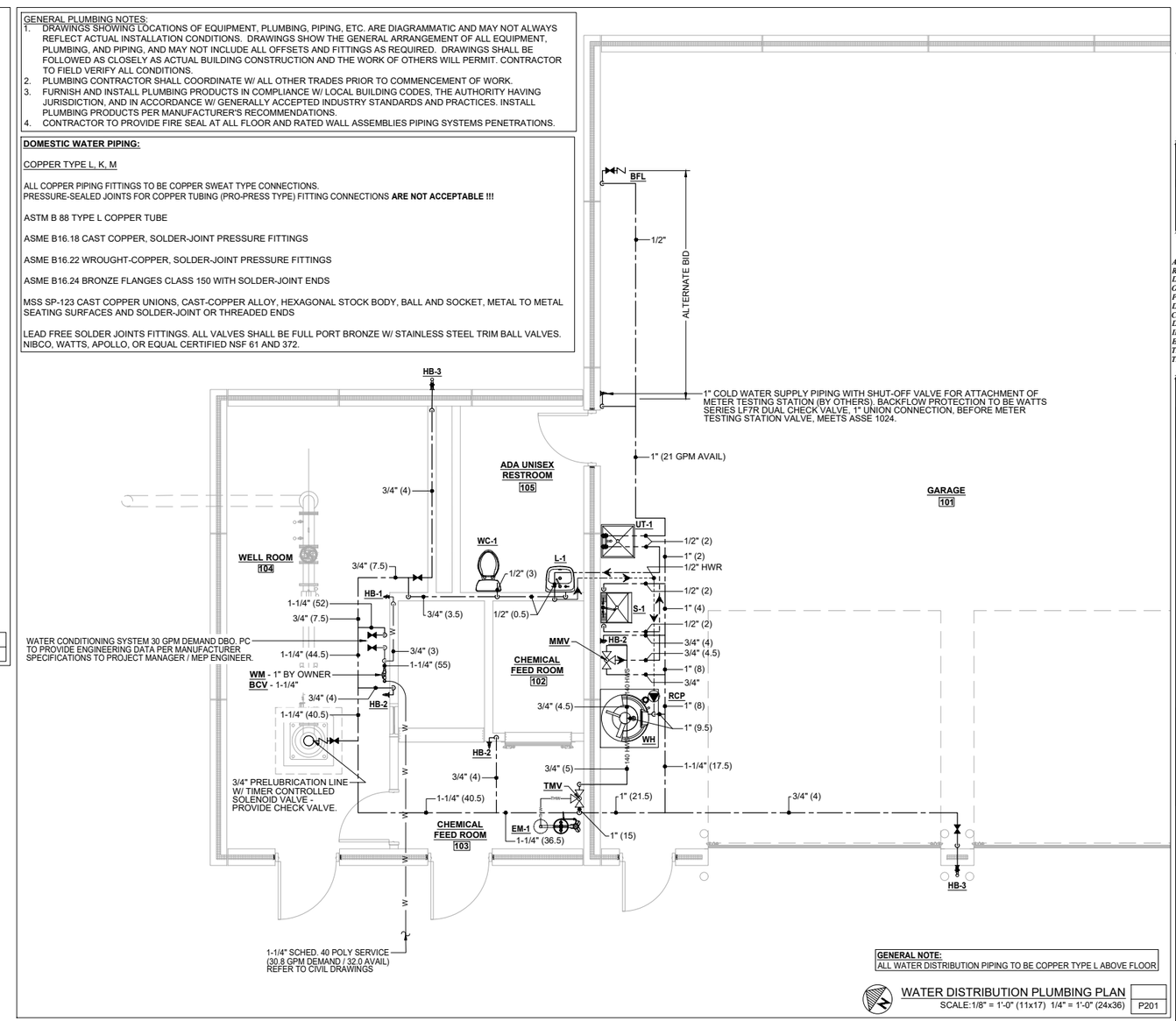
ASME B16.18 CAST COPPER, SOLDER-JOINT PRESSURE FITTINGS

ASME B16.22 WROUGHT-COPPER, SOLDER-JOINT PRESSURE FITTINGS

ASME B16.24 BRONZE FLANGES CLASS 150 WITH SOLDER-JOINT ENDS

MSS SP-123 CAST COPPER UNIONS, CAST-COPPER ALLOY, HEXAGONAL STOCK BODY, BALL AND SOCKET, METAL TO METAL SEATING SURFACES AND SOLDER-JOINT OR THREADED ENDS

LEAD FREE SOLDER JOINTS FITTINGS. ALL VALVES SHALL BE FULL PORT BRONZE W/ STAINLESS STEEL TRIM BALL VALVES. NIBCO, WATTS, APOLLO, OR EQUAL CERTIFIED NSF 61 AND 372.



GENERAL NOTE:
ALL WATER DISTRIBUTION PIPING TO BE COPPER TYPE L ABOVE FLOOR

WATER DISTRIBUTION PLUMBING PLAN

SCALE:1/8" = 1'-0" (11x17) 1/4" = 1'-0" (24x36) | P201

WATER HEATER SYSTEM SCHEDULE - NATURAL GAS WATER HEATER

ID	MANUFACTURER MODEL #	INPUT BTU/HR	INLET / OUTLET PIPE Ø	RECOVERY		TANK CAP GAL USG	1ST. HOUR DELIVERY USGPH	% EFF.	USABLE STORAGE USG	NATURAL GAS INLET PIPE Ø	NATURAL GAS SUPPLY PRESSURE	ELECTRICAL POWER AMPERAGE
				GPH	RISE °F							
WH	A.O. SMITH CYCLONE FLEX BTH-199	199,000 BTU/HR	1-1/2" INLET 1-1/2" OUTLET	256	100	100	326	96	70	3/4" NPT	10.5" W.C. MAX	15.0A CIRCUIT

WATER HEATER NOTES:
PROVIDE UL 1738 VENT SYSTEM WHERE REQUIRED BY MANUFACTURER INSTALLATION MANUAL.
PROVIDE CONCENTRIC VENT TERMINAL ASSEMBLY THROUGH SIDE WALL OR ROOF - REFER TO PLAN

RCP	HOT WATER RETURN CIRCULATION PUMP PROCESS	**FIXTURE:** POTABLE WATER DOMESTIC PUMP, IN-LINE MULTI-SPEED, SS PUMP HOUSING, 2-BOLT FLANGE, 1/2" PIPE RETURN PLUMBING CONTRACTOR TO PROVIDE CUT SHEET FOR REVIEW AND APPROVAL. DESIGN CRITERIA: GPM - 1.15

HOT WATER CIRCULATING SYSTEM SETTINGS:
PUMP SHALL START WHEN DEMAND IS CALLED FOR PER BALANCING VALVE TEMPERATURE SETTING. PUMP SHALL TURN OFF WHEN DEMAND TEMPERATURE SETTING IS ACHIEVED AND WHEN THERE IS NO DEMAND FOR HOT WATER. PROVIDE 24/7 TIMER TO CONTROL SYSTEM ACTIVATION TIMES PER OCCUPANCY SCHEDULE

WATER HEATER DEMAND - GAS WATER HEATER

QNTY	ID	FIXTURE GPM	FIXTURE HW DEMAND	TOTAL GPM	DURATION (MINUTES)	GALLONS PER HOUR	TEMPERATURE RISE °f	BTU/HR MINIMUM PROVIDED
1	L-1	0.5	0.3	0.3	5	1.3		
1	S-1	1.5	0.8	0.8	5	3.8		
1	UT-1	3.0	1.5	1.5	5	7.5		
1	EM-1	5.0	5.0	5.0	20	100.0	GPM DEMAND IS BASED ON 15 MINUTES	
NOTE:WEIGHT OF HEATER WATER = 8.33 lbs PER GALLON						112.5	100°F	93,713
WATER HEATER INPUT REQUIRED (EFFICIENCY RATING)							96%	97,617

WATER HEATER DEMAND CALCULATION MINIMUM REQUIRED

q = rwcΔT

q = TIME RATE OF HEAT TRANSFER - BTU/HR
r = FLOW RATE - GALLONS PER HOUR
w = WEIGHT OF HEATED WATER - LBS PER GALLON
c = SPECIFIC HEAT OF WATER - BTU PER LBS PER °f
ΔT = CHANGE IN HEATED WATER TEMPERATURE - WATER OUTPUT °f MINUS WATER INPUT °f (TEMPERATURE RISE °f)

FORMULAS BASED ON ASPE (AMERICAN SOCIETY OF PLUMBING ENGINEERS) "DOMESTIC WATER HEATING DESIGN MANUAL, SECOND EDITION."

ENGINEER:
DELTA 3
EVERY ANGLE COVERED
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PLATTEVILLE, WISCONSIN 53818
898 JACKSON STREET PHONE: (563) 542-9055
DUBUQUE, IOWA 52001

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

MR. JORDAN FURE, P.E.
DELTA 3 ENGINEERING, INC.
TELEPHONE: (608) 348-5355

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PROPOSED MUNICIPAL WELL #3

DICKEYVILLE, WISCONSIN

PROJECT LOCATION: FOUNDRY WAY

OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

REVISIONS:		
NO.	DATE	DESCRIPTION
AS-BUILT:		BY:
-/-/----		-.----

FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	J.LEIBOLD
DATE ISSUED	MAY 14, 2026
SHEET DESC.	WATER DISTRIBUTION PLUMBING PLAN AND SCHEMATIC, SCHEDULES

SHEET TITLE:

P201

SHEET NUMBER # **34 of 36**

HVAC EQUIPMENT SCHEDULE	HEATING							
	SYSTEM	UNIT	MANUFACTURE	MODEL NO.	EXTERNAL S.P. IN. W.G.	CFM	HEATING (BTUH)	ELEC. REQ.
ZONE 1 - WELL ROOM	FORCED AIR	UH1	MODINE	HER 50	N/A	380	17,100	480V - 3Ø
ZONE 2 - CHEMICAL FEED ROOM 102	ELEC. B.B.	EBB1	CADET	2F500W	N/A	N/A	1,710	208V-240V - 1Ø
ZONE 3 - CHEMICAL FEED ROOM 103	FORCED AIR	UH2	MODINE	HER 30	N/A	380	10,200	480V - 3Ø
ZONE 4 - ADA UNISEX RR	ELEC. B.B.	EBB2	CADET	4F1000W	N/A	N/A	3,415	208V-240V - 1Ø
GARAGE	RADIANT TUBE	RT1	DETROIT RADIANT	HL3-20-75	N/A	N/A	50,000-75,000	120V - 1Ø

HVAC EQUIPMENT SCHEDULE	VENTILATION					MAKE UP AIR					
	EXHAUST FAN NO.	MANUFACTURE	MODEL NO.	REQUIRED CFM	ELEC. REQ.	UNIT	MANUFACTURE	MODEL NO.	CFM	HEATING OUTPUT (BTUH)	ELEC. REQ.
ZONE 1 - WELL ROOM	VIA INFILTRATION					VIA INFILTRATION					
ZONE 2 - CHEMICAL FEED ROOM 102	EF1	FAN TECH	PRIOAIR 10	338	120V - 1Ø	MKUP1	ELECTRO INDUSTRIES	EM-MD10-240-1-10	320	80° RISE	240V - 1Ø
ZONE 3 - CHEMICAL FEED ROOM 103											
ZONE 4 - ADA UNISEX RR	EF2	FAN TECH	FR 110	75	120V - 1Ø	VIA INFILTRATION					
GARAGE	EF3	CAPTIVEAIRE	DU50HFA	948	480V - 3Ø	MKUP2	CAPTIVEAIRE	A1-D.250-15D	948	18,000 - 275,000	480V - 3Ø

MAKE UP AIR NOTES:
1. MAKE-UP AIR BTUH CALC:
   BTUH=(cfm)(1.08)(70)

HVAC EQUIPMENT SCHEDULE	COOLING							
	SYSTEM	UNIT	MANUFACTURE	MODEL NO. INDOOR UNIT	MODEL NO. OUTDOOR UNIT	COOLING (TONS)	ELEC. REQ.	NOTES
ZONE 1 - WELL ROOM	MINI SPLIT	WH1/AC1	MITSUBISHI	MSZ-GE12NA-9	MUZ-GE12NA	1	208/230V - 1Ø - 60hz - 15A	NONE
ZONE 2 - CHEMICAL FEED ROOM 102	ROOM NOT COOLED							
ZONE 3 - CHEMICAL FEED ROOM 103	ROOM NOT COOLED							
ZONE 4 - ADA UNISEX RR	ROOM NOT COOLED							
GARAGE	ROOM NOT COOLED							

HVAC EQUIPMENT REQUIREMENTS	REQUIRED HEATING	REQUIRED COOLING
ZONE 1 - WELL ROOM	7,570 btuh	7,974 btuh
ZONE 2 - CHEMICAL FEED ROOM 102	164 btuh	NOT COOLED
ZONE 3 - CHEMICAL FEED ROOM 103	2,425 btuh	NOT COOLED
ZONE 4 - ADA UNISEX RR	1,187 btuh	NOT COOLED
GARAGE	42,464 btuh	NOT COOLED

2021 IMC DESIGN CRITERIA SPS 364.0403	OCCUPANCY CLASSIFICATION	UNOCCUPIED SPACE	CHLORINE STORAGE & HANDLING	ENCLOSED PARKING GARAGES	TOILET ROOMS	EST. OCCUPANTS / 1000 SQ.FT.	NATURAL VENTILATION ALLOWED	EXHAUST (cfm/net sq.ft. floor area)	EXHAUST (cfm/fixture)	DESIGN TEMP. USED (WINTER / SUMMER)
WELL ROOM		X				N/A	N/A	N/A	N/A	70°/75°
CHEMICAL FEED ROOMS			X			N/A	N/O	2.0	N/A	70°/75°
GARAGE				X		N/A	N/A	0.5	N/A	70°/75°
ADA UNISEX RR					X	N/A	N/A	N/A	75	70°/75°

NOTE:
- MINIMUM OUTDOOR AIR FLOW RATE OF 7.5 cfm PER PERSON USED IN OFFICE ZONES

CONTROL LEGEND

T-H PROGRAMMABLE THERMOSTAT W/ SMART WIFI TECHNOLOGY

H-H HUMIDISTAT CONTROL

WELL ROOM CONTROL NOTES

OCCUPIED
1. UH1: AUTO
2. AC1: AUTO
3. WH1: AUTO
4. DEHUMIDIFIER: AUTO AT 55%

UNOCCUPIED
1. UH1: AUTO
2. AC1: AUTO
3. WH1: AUTO
4. DEHUMIDIFIER: AUTO AT 55%

CHEMICAL FEED ROOM CONTROL NOTES

OCCUPIED
1. EBB1 & EBB2: AUTO
2. EF1: ON 338 cfm
3. MKUP1: ON 320 cfm

UNOCCUPIED
1. EBB1 & EBB2: AUTO
2. EF1: INTERMITTENT: ON PER TIMER (10 MINUTE CYCLE EVERY 60 MINUTES) 338 cfm
3. MKUP1: INTERMITTENT: ON PER TIMER (10 MINUTE CYCLE EVERY 60 MINUTES) 320 cfm

ADA UNISEX RESTROOM CONTROL NOTES

OCCUPIED
1. EBB3: AUTO
2. EF2: ON 75 cfm

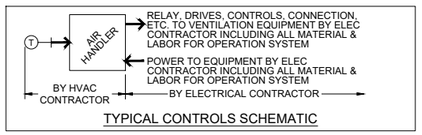
UNOCCUPIED
1. EBB3: AUTO
2. EF2: OFF

GARAGE CONTROL NOTES

OCCUPIED
1. RT1: AUTO
2. EF3: ON 948 cfm
3. MKUP2: ON 948 cfm

UNOCCUPIED
1. RT1: AUTO
2. EF3: OFF
3. MKUP2: OFF

DUCT INSULATION REQUIREMENTS		
DUCT TYPE	DUCT LOCATION	REQUIRED R-VALUE
SUPPLY	CONDITIONED SPACE	R-5
RETURN	CONDITIONED SPACE	NR
SUPPLY	UNCONDITIONED SPACE	R-6
RETURN	UNCONDITIONED SPACE	R-6
SUPPLY	OUTSIDE ENVELOPE	R-12
RETURN	OUTSIDE ENVELOPE	R-12



TYPICAL CONTROLS SCHEMATIC

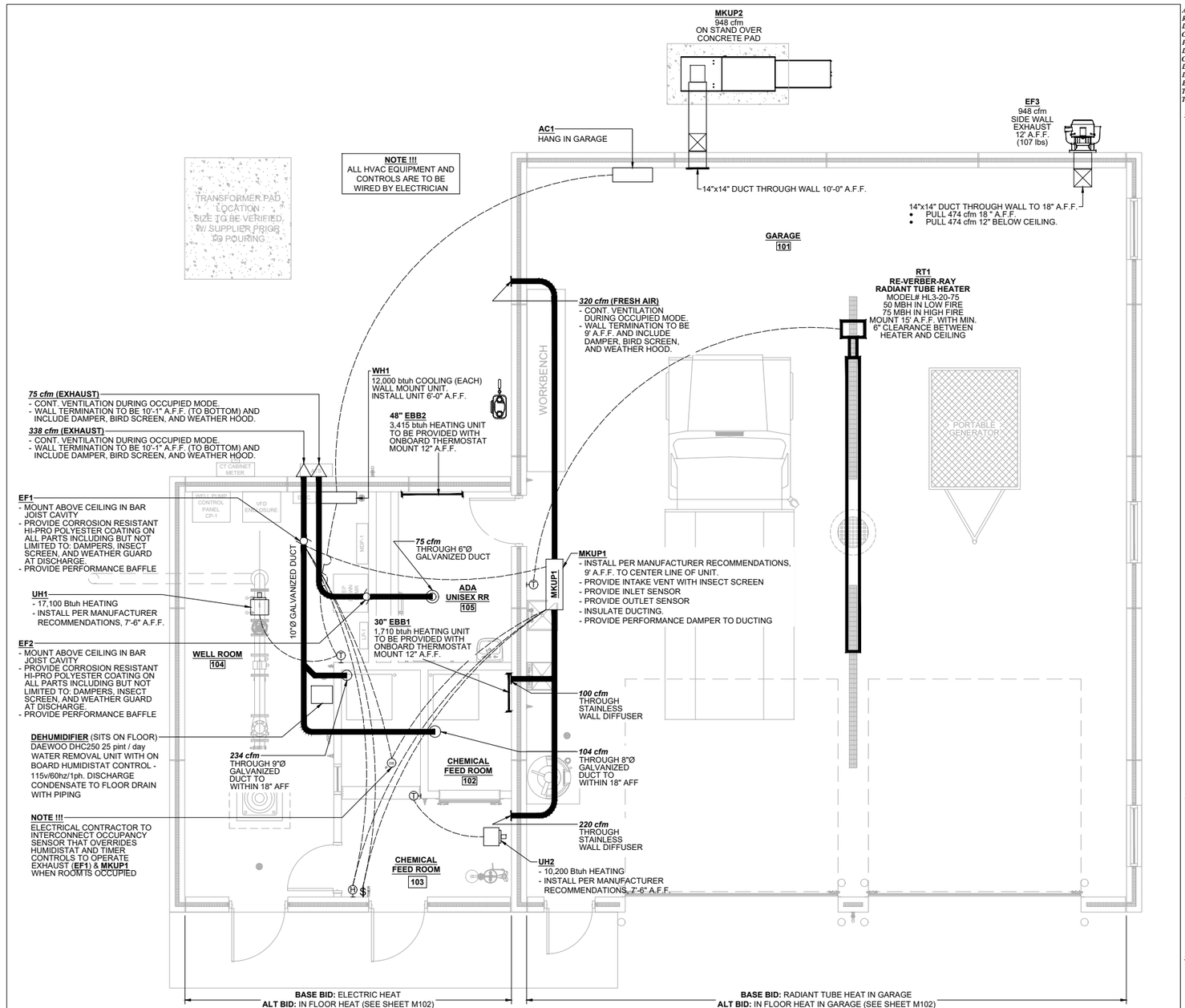
VENTILATION NOTES
1. EVERY OCCUPIED SPACE SHALL BE VENTILATED BY NATURAL MEANS, OR MECHANICAL MEANS.
2. VENTILATION SHALL BE PROVIDED DURING THE PERIODS THAT A ROOM OR SPACE IS OCCUPIED.
3. OUTDOOR AIR EXHAUST AND INTAKE OPENINGS SHALL BE LOCATED A MINIMUM OF 10' FROM LOT LINES OR BUILDINGS ON SAME LOT.
4. EXHAUST AIR SHALL NOT BE DIRECTED ONTO WALKWAYS.
5. MECHANICAL & GRAVITY OUTDOOR AIR INTAKE OPENINGS SHALL BE LOCATED A MINIMUM OF 10' HORIZONTALLY FROM ANY HAZARDOUS OR NOXIOUS CONTAINMENT SOURCE.
6. AIR EXHAUST AND INTAKE OPENINGS THAT TERMINATE OUTDOORS SHALL BE PROTECTED WITH CORROSION RESISTANT SCREENS, LOUVERS OR GRILLES.
7. MECHANICAL VENTILATION SHALL BE PROVIDED BY A METHOD OF SUPPLY AND RETURN AIR THAT IS APPROXIMATELY EQUAL TO EACH OTHER WITH OUT CREATING A NEGATIVE PRESSURE WHEN THIS METHOD IS DESIGNED.
8. VENTILATION SYSTEMS SHALL BE BALANCED BY AN APPROVED METHOD AND INDICATED THAT THE SYSTEM IS CAPABLE OF SUPPLYING THE AIR FLOW RATES. PROVIDE BALANCING REPORT TO THE PROJECT ENGINEER.
9. MECHANICAL VENTILATION SYSTEMS SHALL BE PROVIDED WITH MANUAL OR AUTOMATIC CONTROLS THAT WILL OPERATE SUCH SYSTEMS WHENEVER SPACES ARE OCCUPIED.
10. UNINHABITED SPACES SUCH AS CRAWL SPACES AND ATTICS SHALL BE PROVIDED WITH A NATURAL OR MECHANICAL VENTILATION SYSTEM.

EXHAUST NOTES
1. THE TERMINATION POINT OF EXHAUST OUTLETS AND DUCTS DISCHARGING TO THE OUTDOORS SHALL BE LOCATED AS SUCH:
   1.1. 10' FROM PROPERTY LINE, 3' FROM EXTERIOR WALLS AND ROOFS, 10' FROM OPERABLE OPENINGS INTO BUILDINGS, AND 10' ABOVE ADJOINING GRADE.
   1.2. FOR DUCTS CONVEYING EXPLOSIVE OR FLAMMABLE VAPORS, FUMES OR DUST: 30' FROM PROPERTY LINE, 10' FROM OPERABLE OPENINGS INTO BUILDINGS, 6' FROM EXTERIOR WALLS & ROOFS, 30' FROM COMBUSTIBLE WALLS AND OPERABLE OPENINGS INTO BUILDINGS WHICH ARE IN THE DIRECTION OF DISCHARGE, & 10' ABOVE ADJOINING GRADE.
2. AN EXHAUST SYSTEM SHALL BE PROVIDED, MAINTAINED, AND OPERATED FOR ALL OCCUPIED AREAS WHERE MACHINES, VATS, TANKS, FURNACES, FORGES, SALAMANDERS, AND OTHER APPLIANCES, EQUIPMENT, AND PROCESSES PRODUCE DUST OR PARTICLES THAT FLOAT IN THE AIR, EMIT HEAT, ODORS, FUMES, SPRAY, GAS OR SMOKE IN QUANTITIES INJURIOUS TO HEALTH OR SAFETY.

HVAC TESTING AND MANUALS NOTES:
1. BALANCING: EVERY HEATING, VENTILATING AND AIR CONDITIONING SYSTEM SHALL BE BALANCED UPON INSTALLATION. THE PERSON OR AGENCY RESPONSIBLE FOR BALANCING OF THE VENTILATING SYSTEM SHALL DOCUMENT IN WRITING THE AMOUNT OF OUTDOOR AIR BEING PROVIDED AND DISTRIBUTED FOR THE BUILDING OCCUPANTS AND ANY OTHER SPECIALTY VENTILATION. THE DOCUMENT SHALL BE RETAINED AT THE SITE AND SHALL BE MADE AVAILABLE TO THE DEPARTMENT UPON REQUEST.
2. HVAC CONTROL SYSTEMS SHALL BE TESTED TO ASSURE THAT CONTROL ELEMENTS ARE CALIBRATED, ADJUSTED AND IN PROPER WORKING CONDITION.
3. OPERATING AND MAINTENANCE MANUAL:
   3.1. AN OPERATING AND MAINTENANCE MANUAL SHALL BE PROVIDED TO THE BUILDING OWNER OR OPERATOR. THE MANUAL SHALL INCLUDE BASIC DATA RELATING TO THE OPERATION AND MAINTENANCE OF HVAC SYSTEMS AND EQUIPMENT.
   3.2. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED. WHERE APPLICABLE,HVAC CONTROLS INFORMATION SUCH AS DIAGRAMS, SCHEMATICS, CONTROL SEQUENCE DESCRIPTIONS, AND MAINTENANCE AND CALIBRATION INFORMATION SHALL BE INCLUDED.

MISC NOTES:
1. ALL WORK SHALL COMPLY WITH ALL FEDERAL CODES, STATE CODES AND LOCAL BUILDING CODES AND ORDINANCES, NFPA, AND OSHA REQUIREMENTS.
2. INSTALL ALL EQUIPMENT IN ACCORDANCE TO THE LATEST EDITION OF THE MANUFACTURES RECOMMENDATIONS.
3. DUCT INSULATION SHALL COMPLY WITH THE IECC.
4. COORDINATE ALL EQUIPMENT AND DUCT LOCATIONS WITH LIGHTING, STRUCTURAL MEMBERS, DOORS, AND ANY OTHER POTENTIAL CONFLICTS.
5. ALL LOW VOLTAGE WIRING, INCLUDING CONTROL WIRING, SHALL BE PROVIDED BY THE HVAC CONTRACTOR. THE HVAC CONTRACTOR SHALL PROVIDE TEMPERATURE CONTROLS AND ALL MISC. EQUIPMENT TO MAKE THE HVAC SYSTEM COMPLETE, OPERATIONAL AND CODE COMPLIANT.
6. THERMOSTAT CONTROLS SHALL BE LOCATED A MAXIMUM OF 48" A.F.F. TO TOP OF UNIT.
7. THE HVAC DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE INTENDED TO INDICATE CAPACITY, SIZE, APPROXIMATE LOCATION AND GENERAL ARRANGEMENT. ADDITIONAL OFFSETS, FITTINGS, ACCESSORIES, AND COORDINATION NEEDED FOR A COMPLETED SYSTEM IS THE HVAC CONTRACTORS RESPONSIBILITY.
8. ANY CHANGES TO MATERIALS SPECIFIED ON PLAN MUST BE APPROVED BY THE PROJECT ENGINEER.
9. INSTALL CLEAN SET OF FILTERS IN ALL UNITS AT TIME OF TESTING AND BALANCE.

GAS PIPING NOTES:
1. ALL GAS PIPING TO MEET THE NATIONAL FUEL GAS CODE, NFPA 54 OR INTERNATIONAL FUEL GAS CODE AS SPECIFIED BY LOCAL JURISDICTION.
2. GAS PIPING TO EQUIPMENT, SHUT-OFF VALVES, DRIP LET, AND REGULATORS TO BE SIZED, FURNISHED, AND INSTALLED BY PLUMBING CONTRACTOR.
3. FINAL HVAC EQUIPMENT CONNECTIONS BY HVAC CONTRACTOR.
4. FINAL WATER HEATER CONNECTION BY PLUMBING CONTRACTOR.
5. GAS SERVICE TO BE 2 PsiG OR 7" WATER COLUMN.



HVAC PLAN
SCALE: 1/8"=1'-0" (11x17) 1/4"=1'-0" (24x36)
M101

ENGINEER:
DELTA 3
EVERY ANGLE COVERED
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FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:
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TELEPHONE: (608) 348-5355

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PROPOSED MUNICIPAL WELL #3
DICKEYVILLE, WISCONSIN
PROJECT LOCATION: FOUNDRY WAY
OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

REVISIONS:		
NO.	DATE	DESCRIPTION
AS-BUILT:		BY:

FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
DRAWN BY	N. ROGSTAD
DATE ISSUED	MAY 14, 2026
SHEET DESC.	HVAC PLAN AND SCHEDULES

SHEET TITLE:
M101
SHEET NUMBER # **35 of 36**

HVAC EQUIPMENT SCHEDULE	REQUIRED btuh (BY ZONE)	REQUIRED btuh (TOTAL)	HEATING								COOLING							EXHAUST	VENTILATION				MAKE UP AIR						
			SYSTEM	UNIT	MANUFACTURE	MODEL NO.	EXTERNAL S.P. IN. W.G.	CFM	HEATING (BTUH)	ELEC. REQ.	UNIT	MANUFACTURE	MODEL NO.	COOLING (TONS)	ECONOMIZER REQUIRED	ERV REQUIRED	ELEC. REQ.	FAN NO.	MANUFACTURE	MODEL NO.	REQUIRED CFM	ELEC. REQ.	UNIT	MANUFACTURE	MODEL NO.	CFM	HEATING (BTUH)	ELEC. REQ.
ZONE 1 - WELL ROOM / CHEMICAL ROOMS	19,009 btuh	82,690 btuh	IN FLOOR	BOILER1	WEIL-MCLAIN	EVG-155	N/A	N/A	143,000	120V-60HZ-1PH	SEE M101							SEE M101					SEE M101					
ZONE 2 - GARAGE	63,681 btuh																											

WELL ROOM CONTROL NOTES

OCCUPIED
1. BOILER1 (ZONE 1): AUTO
2. AC1: AUTO
3. WH1: AUTO
4. DEHUMIDIFIER: AUTO AT 55%

UNOCCUPIED
1. BOILER1 (ZONE 1): AUTO
2. AC1: AUTO
3. WH1: AUTO
4. DEHUMIDIFIER: AUTO AT 55%

CHEMICAL FEED ROOM CONTROL NOTES

OCCUPIED
1. BOILER1 (ZONE 1): AUTO
2. EF1: ON 338 cfm
3. MKUP1: ON 320 cfm

UNOCCUPIED
1. BOILER1 (ZONE 1): AUTO
2. EF1: INTERMITTENT: ON PER TIMER (10 MINUTE CYCLE EVERY 60 MINUTES) 338 cfm
3. MKUP1: INTERMITTENT: ON PER TIMER (10 MINUTE CYCLE EVERY 60 MINUTES) 320 cfm

ADA UNISEX RESTROOM CONTROL NOTES

OCCUPIED
1. BOILER1 (ZONE 1): AUTO
2. EF2: ON 75 cfm

UNOCCUPIED
1. BOILER1 (ZONE 1): AUTO
2. EF2: OFF

GARAGE CONTROL NOTES

OCCUPIED
1. BOILER1 (ZONE 2): AUTO
2. EF3: ON 948 cfm
3. MKUP2: ON 948 cfm

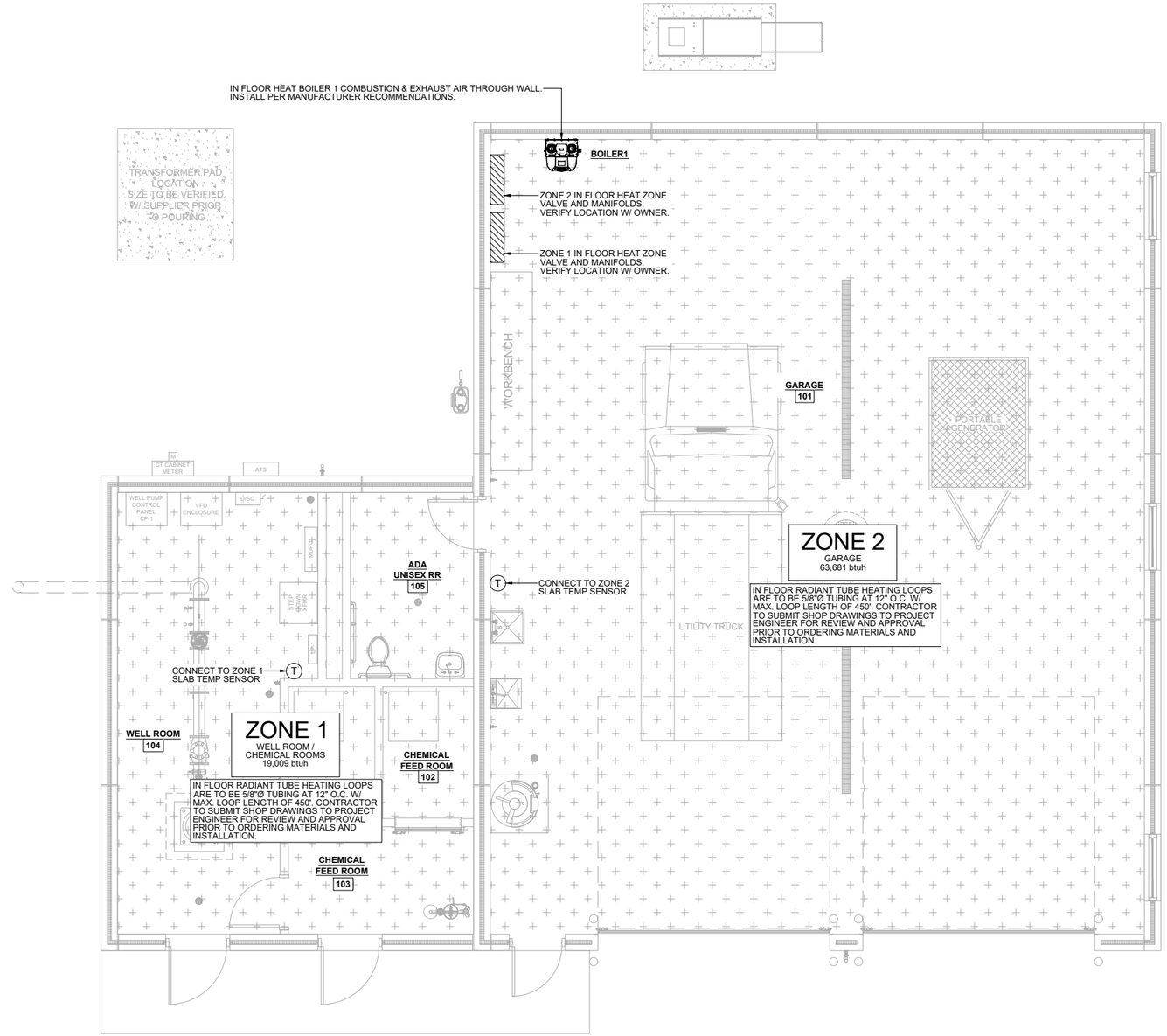
UNOCCUPIED
1. BOILER1 (ZONE 2): AUTO
2. EF3: OFF
3. MKUP2: OFF

LEGEND

PROPOSED IN FLOOR RADIANT HEAT
- LOOPS TO BE OVER AND FASTENED TO 2" LOAD BEARING INSULATION (R10).
- LOOP AND MANIFOLD DESIGN BY SUPPLIER / INSTALLER. SUBMIT SHOP DRAWINGS TO PROJECT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- THERMOSTAT TO INTERCONNECT W/ IN SLAB TEMP SENSORS

GENERAL HYDRONIC PIPING NOTES:

1. PEX TUBING TO MEET ASTM F876 & F877.
2. JOINTS & CONNECTIONS SHALL BE PER THE MANUFACTURERS SPECIFICATIONS.
3. PROVIDE SHUT-OFF VALVES AT BOILER.
4. ABOVE SLAB PIPING SHALL BE INSTALLED TO PERMIT THE SYSTEM TO DRAIN.
5. HYDROSTATICALLY TEST PIPING AT 1 1/2 TIMES THE MAXIMUM SYSTEM DESIGN PRESSURE, BUT NOT LESS THAN 100 PSI FOR 15 MINUTES.
6. PIPING EMBEDDED IN CONCRETE SHALL BE PRESSURIZED TO OPERATING PRESSURE DURING THE CONCRETE POUR.
7. INSTALL RADIANT PIPING OVER MIN. R-10 RIGID INSULATION.
8. EXPOSED HYDRONIC PIPING TO BE INSULATED W/ 1 1/2" WALL THICKNESS IF OVER 105°F.
9. INSTALL GAS PIPING PER NFPA 54-2009, NATIONAL FUEL GAS CODE.
10. PROVIDE O & M MANUALS TO OWNER.
11. MANIFOLD LOCATIONS TO BE REVIEWED WITH OWNER. SUBMIT SHOP DRAWINGS TO PROJECT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.



ALT BID: IN FLOOR HEAT PLAN
SCALE: 1/8"=1'-0" (11x17) 1/4"=1'-0" (24x36)
M102

ENGINEER:
DELTA 3
EVERY ANGLE COVERED
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898 JACKSON STREET DUBUQUE, IOWA 52001 PHONE: (563) 542-9055

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MR. JORDAN FURE, P.E.
DELTA 3 ENGINEERING, INC.
TELEPHONE: (608) 348-5355

CONSENT STATEMENT

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PROPOSED MUNICIPAL WELL #3

DICKEYVILLE, WISCONSIN

PROJECT LOCATION: FOUNDRY WAY

OWNER: VILLAGE OF DICKEYVILLE; 500 EAST AVENUE; P.O. BOX 219, DICKEYVILLE, WI 53808

REVISIONS:		
NO.	DATE	DESCRIPTION
AS-BUILT:		BY:
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FOR BID	
PROJECT NUMBER	D23-124
SHEET SCALE	AS NOTED WHEN PRINTED AT 24x36
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SHEET TITLE:

M102

SHEET NUMBER # **36 of 36**