

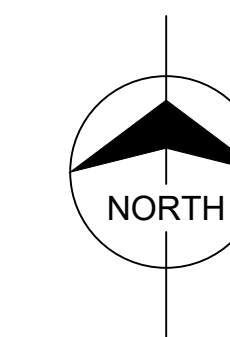
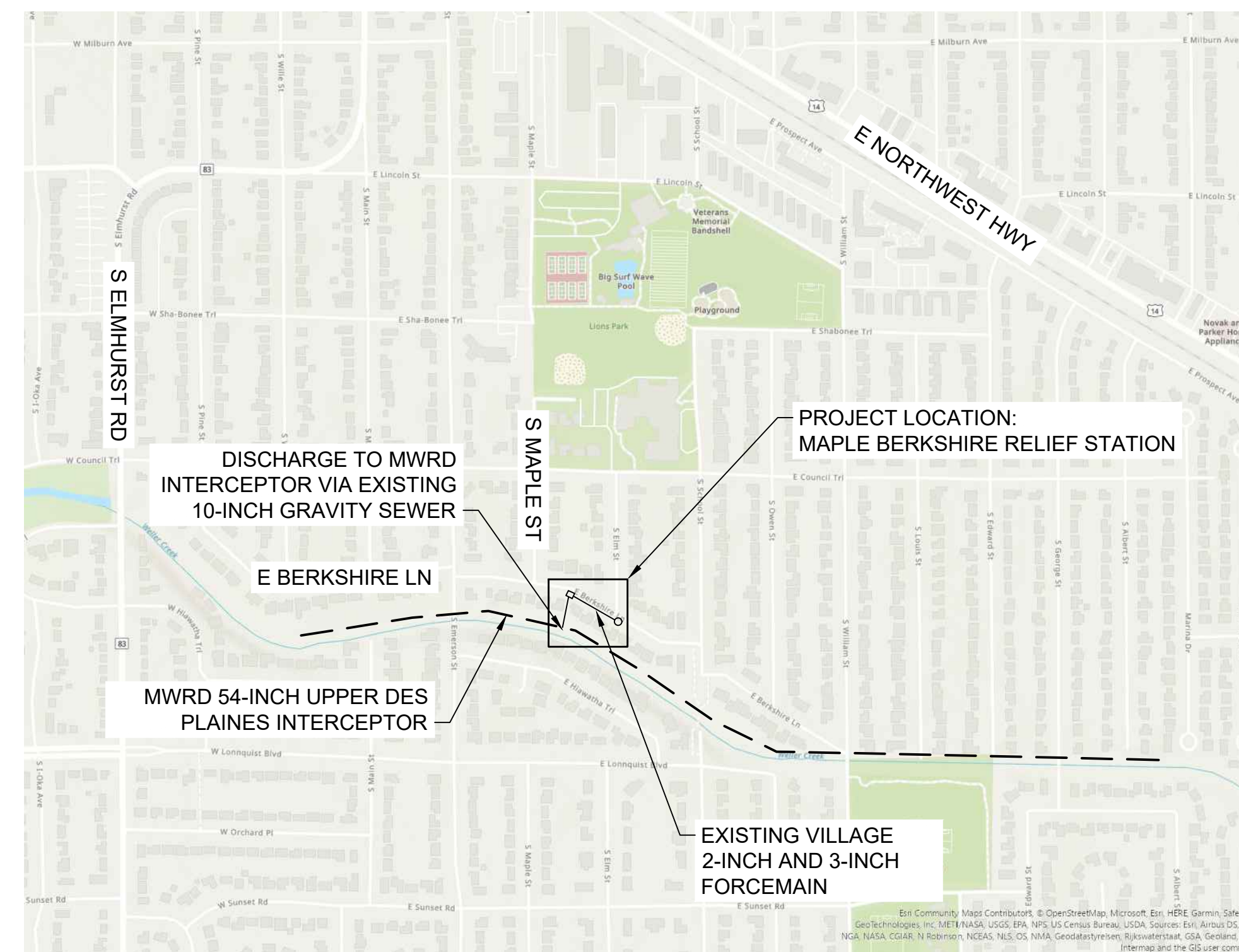
VILLAGE OF MOUNT PROSPECT

MAPLE BERKSHIRE RELIEF STATION REHABILITATION PROJECT

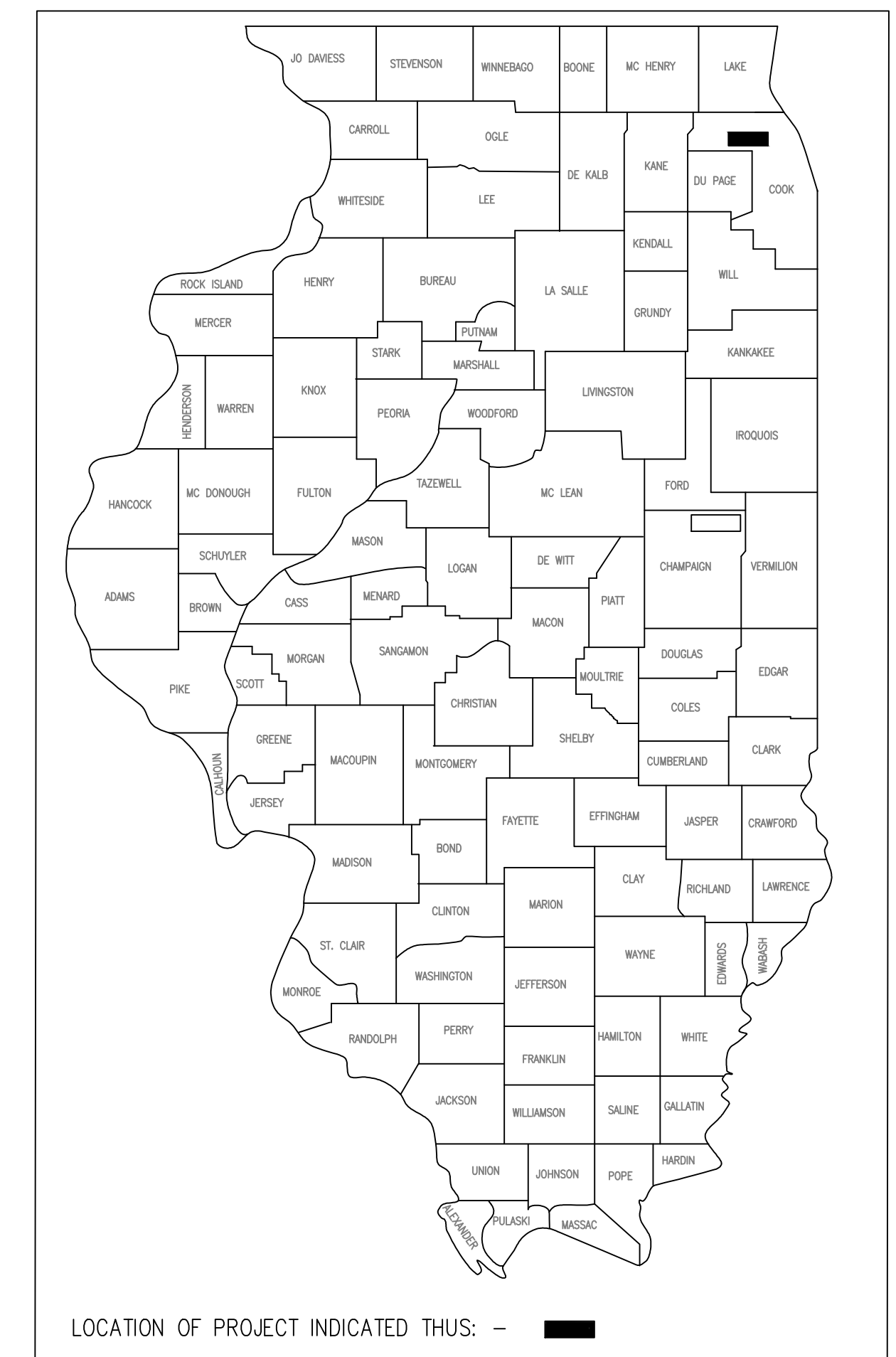
MOUNT PROSPECT, ILLINOIS



Project Location Map



SCALE = NTS



Contract Drawings

GENERAL DRAWINGS

DWG. NO.	
G001	COVER
G002	GENERAL NOTES, LEGEND, AND ABBREVIATIONS
G003	MWRD GENERAL NOTES
G004	SWPPP

DEMO DRAWINGS

DWG. NO.	
D001	PUMP STATION PLAN & DETAIL DEMO
D002	JUNCTION STRUCTURE PLAN & DETAIL DEMO
D003	CONTROL PANEL AND GENERATOR PLAN & DETAIL DEMO

CIVIL DRAWINGS

DWG. NO.	
C001	PROPOSED PUMP STATION SITE PLAN & DETAIL
C002	PROPOSED JUNCTION STRUCTURE PLAN & DETAIL
C101	CIVIL DETAILS

ELECTRICAL DRAWINGS

DWG. NO.	
E001	LIFT STATION ONE-LINE DIAGRAM AND ELECTRICAL PLAN
E002	LIFT STATION ELECTRICAL DETAILS

MWRD NOTIFICATION REQUIREMENTS
 THE MWRD LOCAL SEWER SYSTEMS SECTION'S FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) DAYS PRIOR TO BEGINNING WORK UNDER A PERMIT OR PERMIT REVISION. SEND AN EMAIL WITH THE PROJECT NAME, LOCATION AND PERMIT NUMBER TO WMOJOBSTART@MWRD.ORG, OR CALL (708) 588-4055. REQUEST FOR FINAL INSPECTIONS (RFI) AND RELATED DOCUMENTS CAN ALSO BE SENT TO WMOJOBSTART@MWRD.ORG.

JANUARY 2024
 BMCD Project No. 156625

Caleb J. Apker
 Civil Engineer
 062-073545
 EXP: 11/30/2023

no.	date	by	ckd	description
0	1/10/24	PTN	CJA	ISSUED FOR BID



FOR BID - NOT FOR CONSTRUCTION

Cover

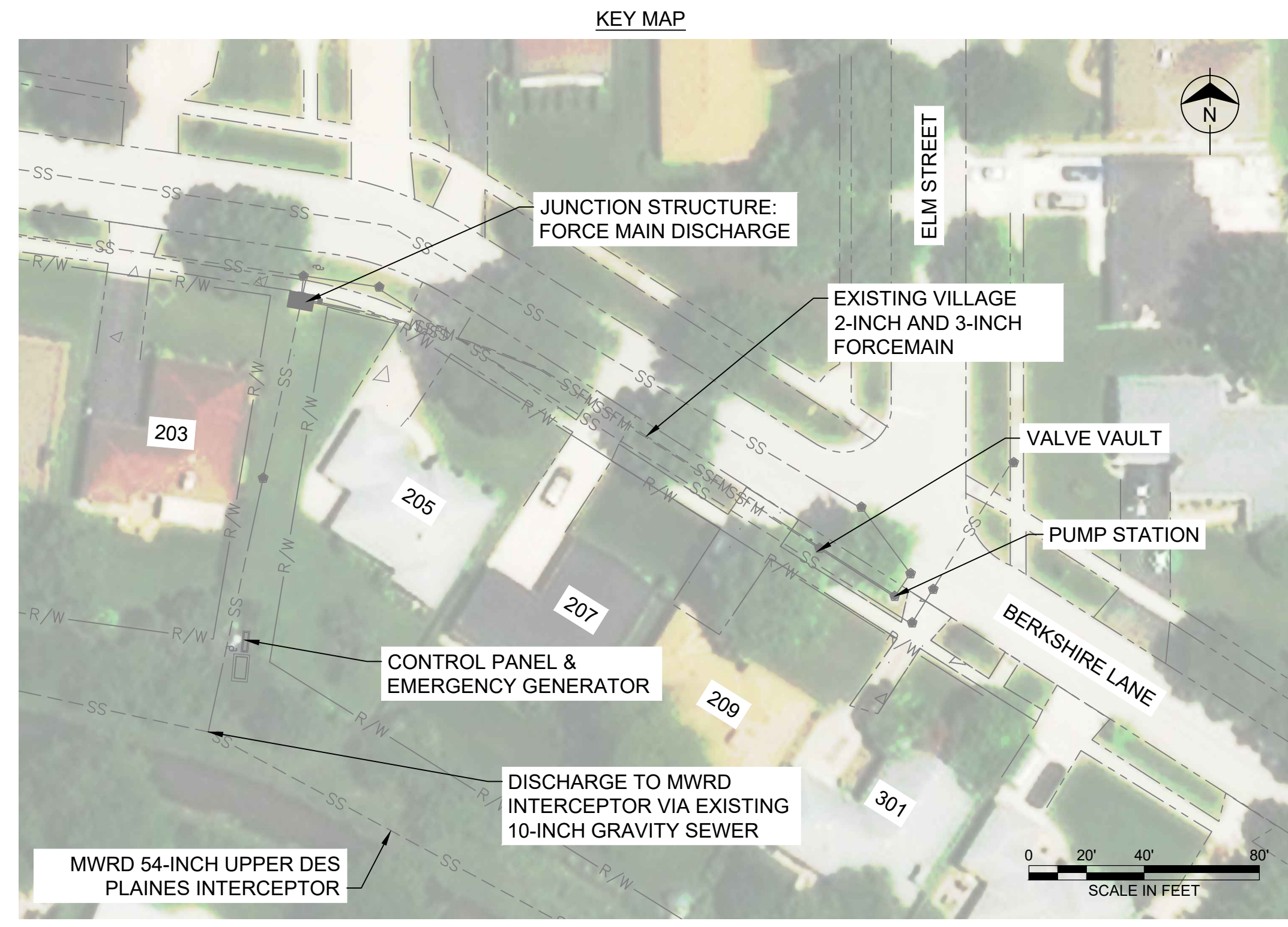
Sheet 1 of 13

GENERAL NOTES

- THE VILLAGE OF MOUNT PROSPECT SHALL BE NOTIFIED AT LEAST SEVEN (7) WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND 72 HOURS PRIOR TO DEMOLITION WORK.
- ALL UTILITY OWNERS INCLUDING THE VILLAGE, SHALL BE CONTACTED AND THEIR FACILITIES SHALL BE LOCATED PRIOR TO THE COMMENCEMENT OF ANY SUBSURFACE WORK. UTILITY LOCATIONS SHOWN HEREIN ARE FOR GRAPHIC ILLUSTRATION ONLY AND ARE NOT TO BE RELIED UPON. REPAIR OF ANY DAMAGE TO EXISTING FACILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, ARE SHOWN ON THE DRAWINGS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THE PROTECTION OF THEM FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHORING AND OTHER REQUIRED PROTECTION OF ALL UTILITIES BEFORE CONSTRUCTION BEGINS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE UTILITIES AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE UTILITY OWNER.
- EXCEPT WHERE MODIFIED BY THE CONTRACT DOCUMENTS, ALL WORK PROPOSED HEREIN SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
 - "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS," AS PREPARED BY IDOT, LATEST EDITION.
 - "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS," LATEST EDITION.
 - "ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS," AS PUBLISHED BY THE IEPA, LATEST EDITION.
- THE STANDARD SPECIFICATIONS LISTED ON THESE CONSTRUCTION DRAWINGS AND SUBSEQUENT DETAILS ARE ALL TO BE CONSIDERED AS PART OF THE CONTRACT DOCUMENTS. INCIDENTAL ITEMS OR ACCESSORIES NECESSARY TO COMPLETE THIS WORK MAY NOT BE SPECIFICALLY NOTED BUT ARE TO BE CONSIDERED A PART OF THE CONTRACT.
- NO DRAWINGS SHALL BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY MARKED 'FOR CONSTRUCTION'. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION DRAWINGS, CONTRACTOR MUST IMMEDIATELY REPORT SAME TO THE OWNER'S REPRESENTATIVE BEFORE DOING ANY WORK, OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION DRAWINGS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT ITS OWN RISK AND EXPENSE.
- CONSTRUCTION INGRESS-EGRESS SHALL BE CONFINED TO DEFINED UTILITY EASEMENTS, TEMPORARY CONSTRUCTION EASEMENTS AND PUBLIC ROADWAYS. CONSTRUCTION EXITS SHALL BE CLEANED DAILY AS NEEDED TO PREVENT THE SPREAD OF MUD OR DEBRIS ON THE EXISTING PAVEMENTS. MUD AND DEBRIS SHALL BE CLEARED FROM THE PAVEMENTS WHENEVER IT OCCURS AND AS REQUIRED BY THE VILLAGE OR ROADWAY AUTHORITY. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.
- WHENEVER DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THIS LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY BY THE RESPONSIBLE PARTY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.
- CONTRACTOR TO PROVIDE DUST CONTROL MEASURES TO PREVENT TRAFFIC HAZARDS OR THE DISCOMFORT OF PERSONS DOWN WIND. THE ONLY ACCEPTABLE METHODS WILL BE MECHANICAL SWEEPING OR WATERING WITH CALCIUM CHLORIDE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES, AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION. BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH I.D.O.T. STANDARD SPECIFICATIONS. ALL TRAFFIC CONTROL WORK SHALL BE DONE IN ACCORDANCE WITH THE I.D.O.T. "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES." MATERIAL SHALL NOT BE PLACED OR DUMPED ON STREETS OR SIDEWALKS.
- ALL EXISTING TRAFFIC SIGNS, STREET SIGNS, ETC., WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND ARE NOT NOTED FOR REMOVAL OR DISPOSAL SHALL BE REMOVED AND RESET BY THE CONTRACTOR AT LOCATIONS AS DESIGNATED BY THE OWNER'S REPRESENTATIVE. DAMAGE TO THESE ITEMS SHALL BE REPAIRED BY THE CONTRACTOR AT THEIR OWN EXPENSE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.
- ALL PERMANENT TYPE PAVEMENTS OR OTHER PERMANENT IMPROVEMENTS THAT ARE REQUIRED TO BE REMOVED TO FACILITATE INSTALLATION OF THE IMPROVEMENT OR WHICH ABOUT THE PROPOSED IMPROVEMENT SHALL BE SAW CUT AS DIRECTED PRIOR TO REMOVAL. ALL ITEMS SO REMOVED SHALL BE REPLACED WITH SIMILAR CONSTRUCTION MATERIALS TO THEIR ORIGINAL CONDITION OR BETTER. ANY DAMAGE TO FACILITIES DESIGNATED TO REMAIN SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- REMOVED PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC. SHALL BE DISPOSED OF OFFSITE BY THE CONTRACTOR AT ITS OWN EXPENSE AND SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNLESS OTHERWISE SPECIFIED IN CONTRACT DOCUMENTS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ANY AND ALL MATERIALS, DEBRIS AND EQUIPMENT WHICH RESULT FROM CONSTRUCTION OPERATIONS FROM THE SITE AND DISPOSE OF IT IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REQUIREMENTS AT NO ADDITIONAL EXPENSE TO THE OWNER.
- THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.

GENERAL NOTES (CONTINUED)

- THE CONTRACTOR SHALL KEEP A SET OF "APPROVED" CONSTRUCTION DRAWINGS ON THE JOB SITE, AND SHALL MAINTAIN (AS INDICATED HEREIN AND ELSEWHERE WITHIN THESE CONSTRUCTION NOTES, SPECIFICATIONS, AND DRAWINGS) A LEGIBLE RECORD ON SAID DRAWINGS OF ANY UNANTICIPATED UTILITIES ENCOUNTERED, ANY MODIFICATIONS/ALTERATIONS TO ALIGNMENT AND/OR TO DRAWINGS AND SPECIFICATIONS OF PROPOSED IMPROVEMENTS, ETC. UPON COMPLETION OF THE CONTRACTOR'S WORK, SAID DRAWINGS AND INFORMATION SHALL BE PROVIDED TO OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION SURVEY AND STAKEOUT.
- CONTRACTOR SHALL COORDINATE PROTECTION OF OVERHEAD UTILITY CONTRACTORS AND CONTRACTOR'S PERSONNEL AND EQUIPMENT PRIOR TO PROCEEDING WITH WORK AT THE SITE.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF ALL BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
- THE CONTRACTOR WILL PERFORM A PRE-CONSTRUCTION VIDEOTAPING OF THE PROJECT SITE AND SURROUNDING AREA. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.
- THE CONTRACTOR SHALL USE INLET FILTER BASKETS FOR THE PROTECTION OF ALL STORM INLETS AND CATCH BASINS WITHIN OR DOWNSTREAM OF THE PROJECT LIMITS. INLET FILTER BASKETS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- WATER REQUIRED FOR CONSTRUCTION OPERATIONS MAY BE OBTAINED FROM VILLAGE FIRE HYDRANTS IN THE AREA. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A WATER METER AND BACKFLOW PREVENTER FROM THE VILLAGE AND PURCHASING WATER AT THE APPLICABLE RATES.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE PORTABLE SANITARY FACILITIES FOR THEIR USE THROUGHOUT THE DURATION OF THE PROJECT AT NO ADDITIONAL COST TO THE OWNER. FACILITY LOCATIONS MUST BE APPROVED BY THE VILLAGE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS OR BEGINNING CONSTRUCTION OPERATIONS.
- ALL DISTURBED GRASS AREAS SHALL BE RESTORED WITH SOD AS SPECIFIED.
- ALL PARKWAY TREES ARE TO BE PRESERVED UNLESS THE VILLAGE HAS SPECIFICALLY AUTHORIZED THEIR REMOVAL.
- ALL PARKWAY TREES MUST BE PROTECTED IN ACCORDANCE WITH THE VILLAGE'S TREE PROTECTION STANDARDS, AS WELL AS THE DETAIL INCLUDED IN THESE PLANS.
- THE LIFT STATION UNDER THIS PERMIT IS DESIGNED AND SHALL BE OPERATED SO THAT ONLY ONE PUMP IS IN OPERATION AT A TIME. THE SECOND PUMP SHALL SERVE AS A BACKUP TO BE PLACED IN OPERATION ONLY WHEN THE FIRST PUMP IS NOT IN OPERATION. SIMULTANEOUS OPERATION OF BOTH PUMPS IS PROHIBITED UNDER THE MWRD PERMIT. THE DESIGN AND/OR OPERATION OF THE PUMPS SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM THE DIRECTOR OF ENGINEERING OF THE MWRD.
- THE PERMITTEE SHALL PROVIDE MWRD PERSONNEL UNRESTRICTED ACCESS TO THE LIFT-STATION UNDER THIS PERMIT FOR RANDOM, UNANNOUNCED INSPECTION AND TESTING, AND SHALL PROVIDE LIFT STATION FLOW MONITORING DATA UPON REQUEST.
- FOLLOWING CONSTRUCTION COMPLETION, THE VILLAGE SHALL ASSUME FULL RESPONSIBILITY FOR MAINTENANCE AND MONITORING OF THE RELIEF STATION. THE VILLAGE'S SCADA SYSTEM WILL PROVIDE REAL-TIME MONITORING AND IN-PERSON CHECKS SHALL BE PERFORMED ROUTINELY. MAINTENANCE WILL BE PERFORMED ON AN AS-NEEDED BASIS PER MANUFACTURER RECOMMENDATIONS.



Symbol	Description	Symbol	Description
oBB	BUFFALO BOX	---	ELECTRIC LINE
□	CATCH BASIN	—x—x—	FENCE
⌘	CURB INLET	—c—	GAS LINE
●	DOWN GUY	—●—	GUARDRAIL
⊞	ELECTRIC METER	—o—o—	OVERHEAD UTILITIES
⊞	ELECTRIC OUTLET	+++++	REMOVAL
⊞	ELECTRIC RISER	—x—x—	RIGHT OF WAY
⊞	FIRE HYDRANT	---	STORM SEWER
⊞	FLARED END SECTION	---	SANITARY FORCE MAIN
⊞	GAS VALVE	---	SANITARY SEWER
⊞	LIGHT	—x—	SILT FENCE
⊞	MANHOLE	---	TELEPHONE LINE
⊞	SANITARY MANHOLE	—o—o—	TREE PROTECTION FENCING
⊞	SIGN	---	WATER LINE
⊞	STORM MANHOLE	▨	PAVEMENT REMOVAL
⊞	TELEPHONE MANHOLE	▨	DRIVEWAY REMOVAL
⊞	TELEPHONE RISER	▨	SIDEWALK REMOVAL
⊞	TRANSFORMER	■	CURB AND GUTTER REMOVAL
⊞	TREE	□	SODDING, SALT TOLERANT
⊞	UTILITY POLE		
⊞	VALVE VAULT		
⊞	WATER SHUT-OFF		
⊞	WATER VALVE		
⊞	YARD LIGHT		

ABBREVIATIONS

B/	BOTTOM OF
C	CONDUIT
CB	CATCH BASIN
CL	CENTERLINE
CL FR & LID	CLOSED FRAME AND LID
DIA	DIAMETER
∅	DIAMETER
DIP	DUCTILE IRON PIPE
EL	ELEVATION
EX	EXISTING
FA	FINE AGGREGATE
FF	FINISHED FLOOR
HDPE	HIGH DENSITY POLYETHYLENE
ID	INSIDE DIAMETER
IDOT	ILLINOIS DEPARTMENT OF TRANSPORTATION
IN	INLET
INV	INVERT
LF	LINEAR FEET
MH	MANHOLE
NTS	NOT TO SCALE
OD	OUTSIDE DIAMETER
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT OF WAY
SCH	SCHEDULE
SDR	STANDARD DIMENSION RATIO
STA	STATION
T/	TOP OF
TYP	TYPICAL

no.	date	by	ckd	description
0	1/10/24	PTN	CJA	ISSUED FOR BID

FOR BID - NOT FOR CONSTRUCTION

BURNS MEDONNELL
 1431 OPUS PLACE SUITE 400
 DOWNERS GROVE, IL 60515
 630-724-3200
 LICENSEE NO. 184.001310

date	designed	detailed	checked
JANUARY 2024	C. APKER	P. NAGLE	P. ST. AUBYN



MAPLE BERKSHIRE RELIEF STATION REHABILITATION PROJECT
 GENERAL NOTES, LEGEND, AND ABBREVIATIONS

project	contract
156625	
drawing	rev.
G002	0
sheet 2 of 13 sheets	file 156625_G002-MapleBerkshire.dwg

A. REFERENCED SPECIFICATIONS

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:

- * STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
- * STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
- * VILLAGE OF _____ MUNICIPAL CODE;
- * THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;
- * IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

B. NOTIFICATIONS

1. THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055 OR SEND EMAIL NOTIFICATION WITH PROJECT NAME, LOCATION AND PERMIT NUMBER TO WMOJOBSTART@MWRD.ORG).

2. THE VILLAGE OF _____ ENGINEERING DEPARTMENT AND PUBLIC MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.

3. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

C. GENERAL NOTES

1. ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). CONVERSION FACTOR IS _____ FT.

2. MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.

3. THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.

4. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.

5. THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.

6. ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

7. MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.

8. THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.

9. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.

10. RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

D. SANITARY SEWER

1. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.

2. A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.

3. DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.

4. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).

5. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.

6. ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.

7. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE		
6-INCH TO 15-INCH DIAMETER SDR 26	ASTM D-3034	ASTM D-3212
18-INCH TO 27-INCH DIAMETER F/DY-46	ASTM F-679	ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE)		
ASTM D-3350	ASTM D-3261,F-2620 (HEAT FUSION)	
ASTM D-3035	ASTM D-3212,F-477 (GASKETED)	
WATER MAIN QUALITY PVC		
4-INCH TO 36-INCH	ASTM D-2241	ASTM D-3139
4-INCH TO 12-INCH	AWWA C900	ASTM D-3139
14-INCH TO 48-INCH	AWWA C905	ASTM D-3139

THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
POLYPROPYLENE (PP) PIPE		
12-INCH TO 24-INCH DOUBLE WALL	ASTM F-2736	D-3212, F-477
30-INCH TO 60-INCH TRIPLE WALL	ASTM F-2764	D3212, F-477

8. ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE 1/4" TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO 1/4 THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.

9. NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.

10. ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.

11. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:

- A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS ("SHOWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE.
- REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
- WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.

12. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMAINS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.

13. ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.

14. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.

15. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.

16. ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.

17. EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.

18. A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.

E. EROSION AND SEDIMENT CONTROL

1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.

2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.

3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.

4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

5. INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:

- UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
- ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.

6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.

7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.

9. MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.

10. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.

11. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.

12. ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).

13. VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.

14. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.

15. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.

16. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.

17. THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES.

18. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.

19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMAINS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.

20. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.

21. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.

22. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.

23. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.



no.	date	by	ckd	description
0	1/10/24	PTN	CJA	ISSUED FOR BID

A

B

C

D

E

F

FOR BID - NOT FOR CONSTRUCTION

BURNS MEDONNELL
 1431 OPUS PLACE SUITE 400
 DOWNERS GROVE, IL 60515
 630-724-3200
 LICENSEE NO. 184.001310

date	detailed
JANUARY 2024	P. NAGLE
designed	checked
C. APKER	P. ST. AUBYN



Cook County, Illinois

MAPLE BERKSHIRE RELIEF STATION REHABILITATION PROJECT
 MWRD GENERAL NOTES

project	contract
156625	
drawing	rev.
G003	0
sheet 3	of 13 sheets
file 156625_G002-MapleBerkshire.dwg	

TECHNICAL GUIDANCE MANUAL

MWRD GENERAL NOTES

10/13/2022

STD. DWG. NO.18

PAGE NO. 19

A

B

C

D

E

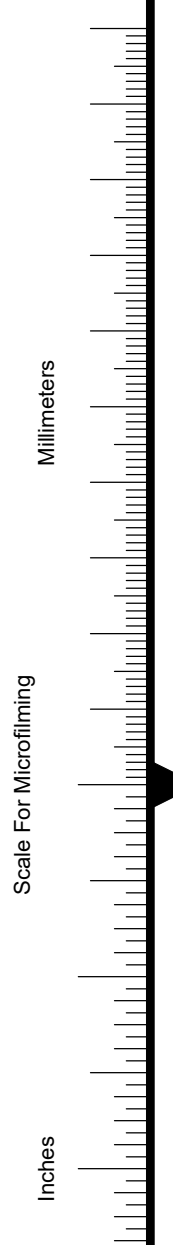
F

G

H

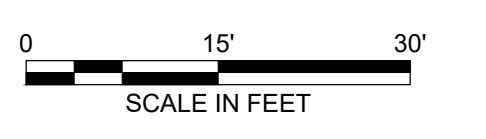
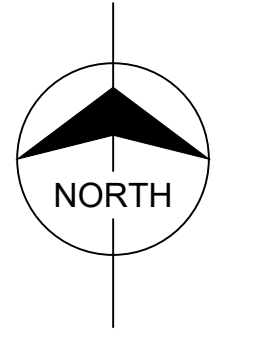
I

J



EROSION AND SEDIMENT CONTROL NOTES:
 1. REFER TO SECTION E OF THE MWRD GENERAL NOTES LOCATED ON SHEET C003 FOR EROSION AND SEDIMENT CONTROL REQUIREMENTS.

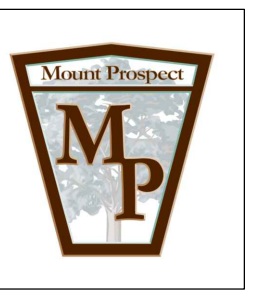
no.	date	by	ckd	description
0	1/10/24	PTN	CJA	ISSUED FOR BID



FOR BID - NOT FOR CONSTRUCTION

**BURNS
 McDONNELL**
 1431 OPUS PLACE SUITE 400
 DOWNERS GROVE, IL 60515
 630-724-3200
 LICENSEE NO. 184.001310

date	JANUARY 2024	detailed	P. NAGLE
designed	C. APKER	checked	P. ST.AUBYN



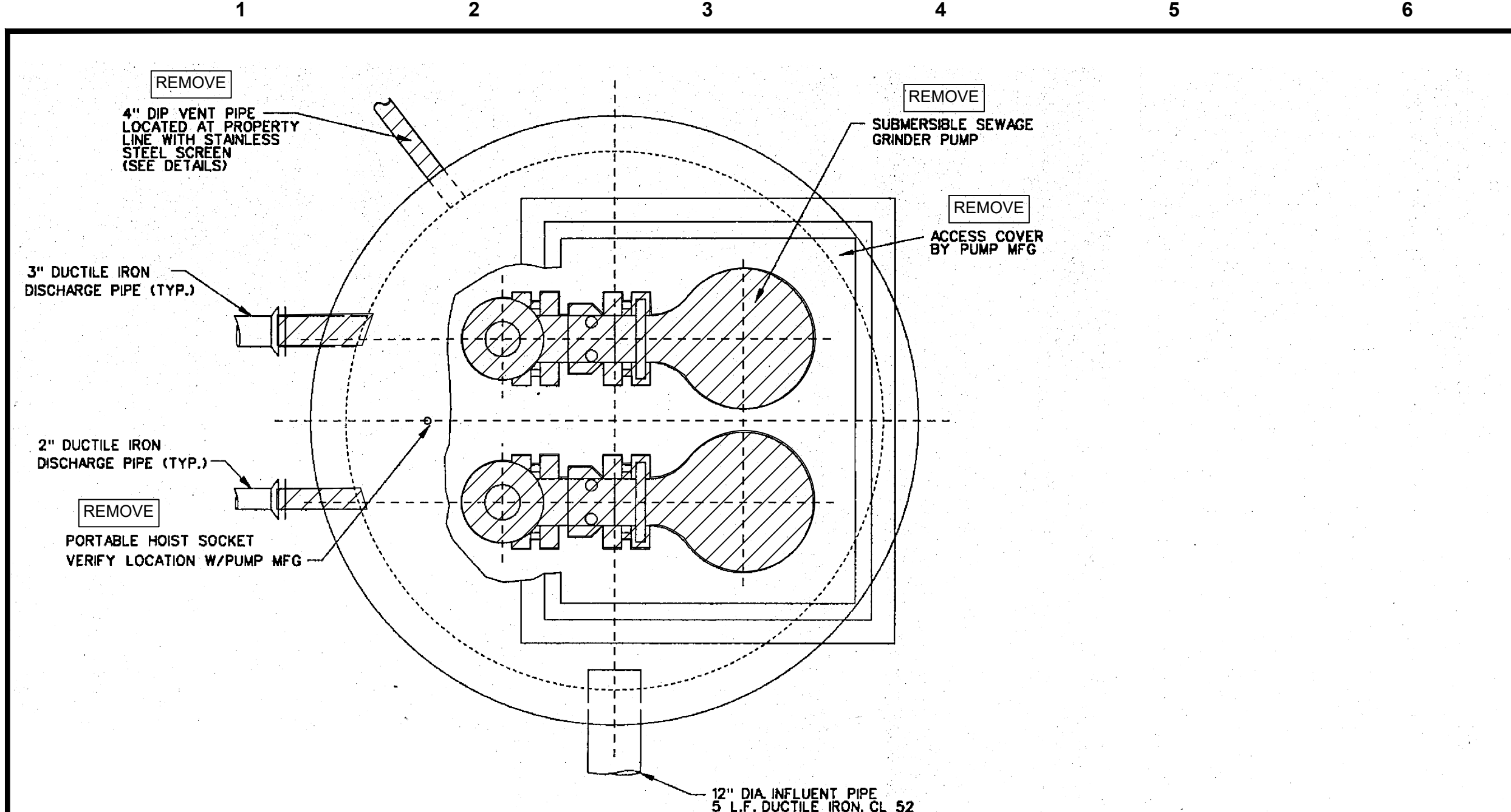
Cook County, Illinois

**MAPLE BERKSHIRE RELIEF STATION
 REHABILITATION PROJECT**
 SWPPP
 PLAN

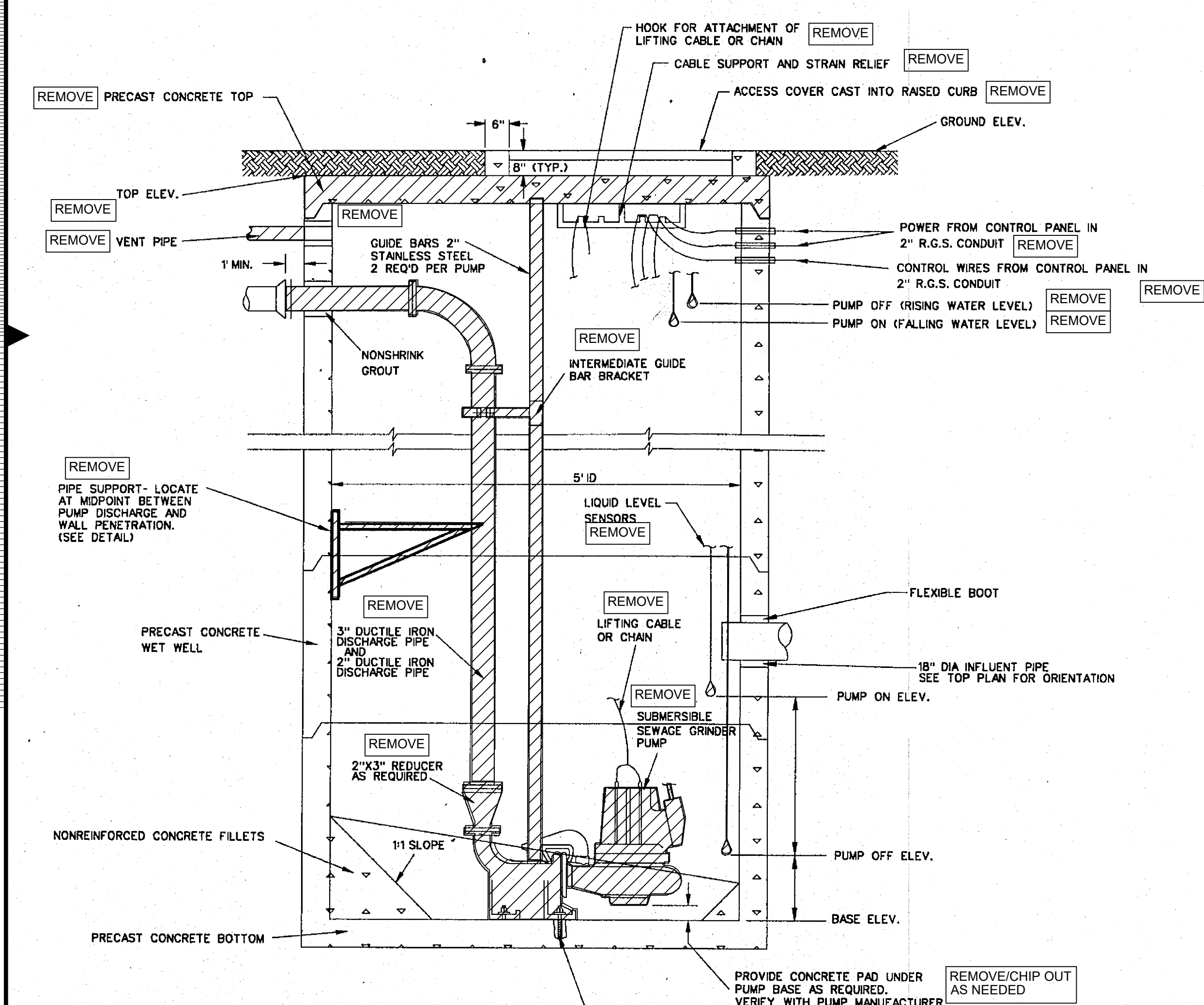
project	156625	contract	
---------	--------	----------	--

drawing **G004** - rev. **0**

sheet 4 of 13 sheets
 file 156625 Civil Sheets-Maple Berkshire.dwg

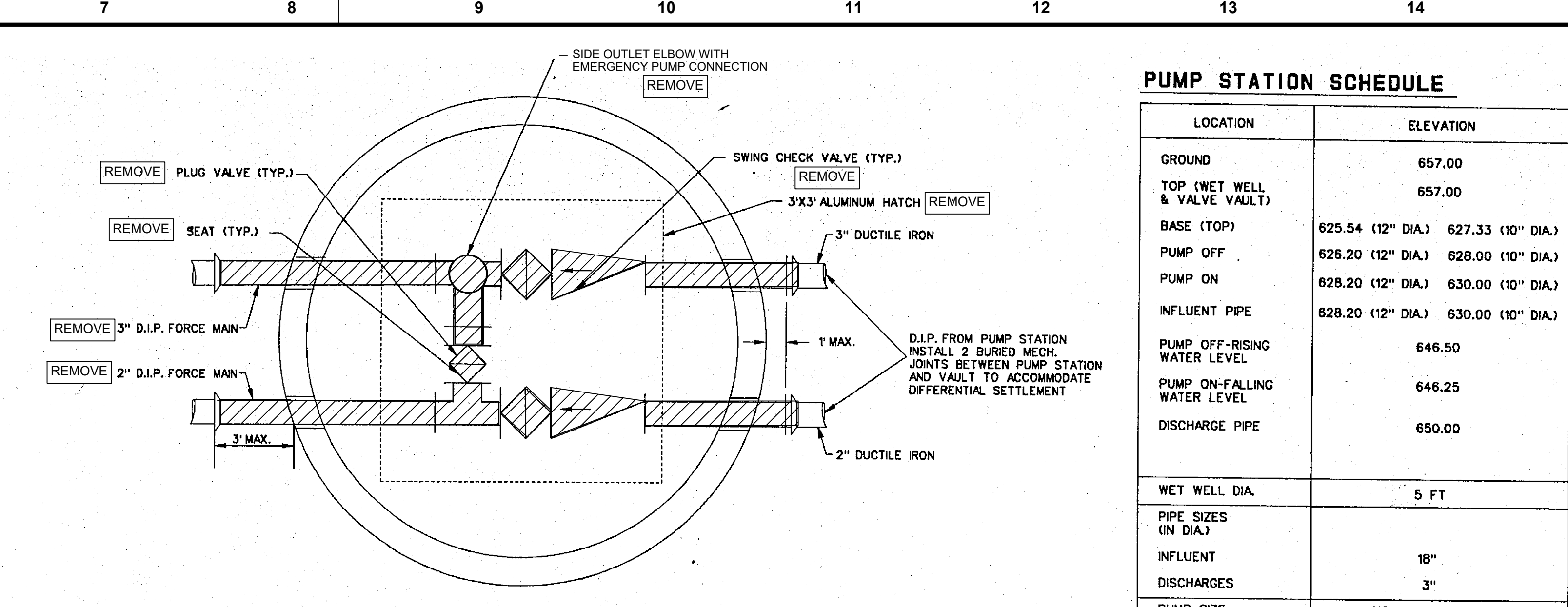


PUMP STATION
TOP PLAN NTS

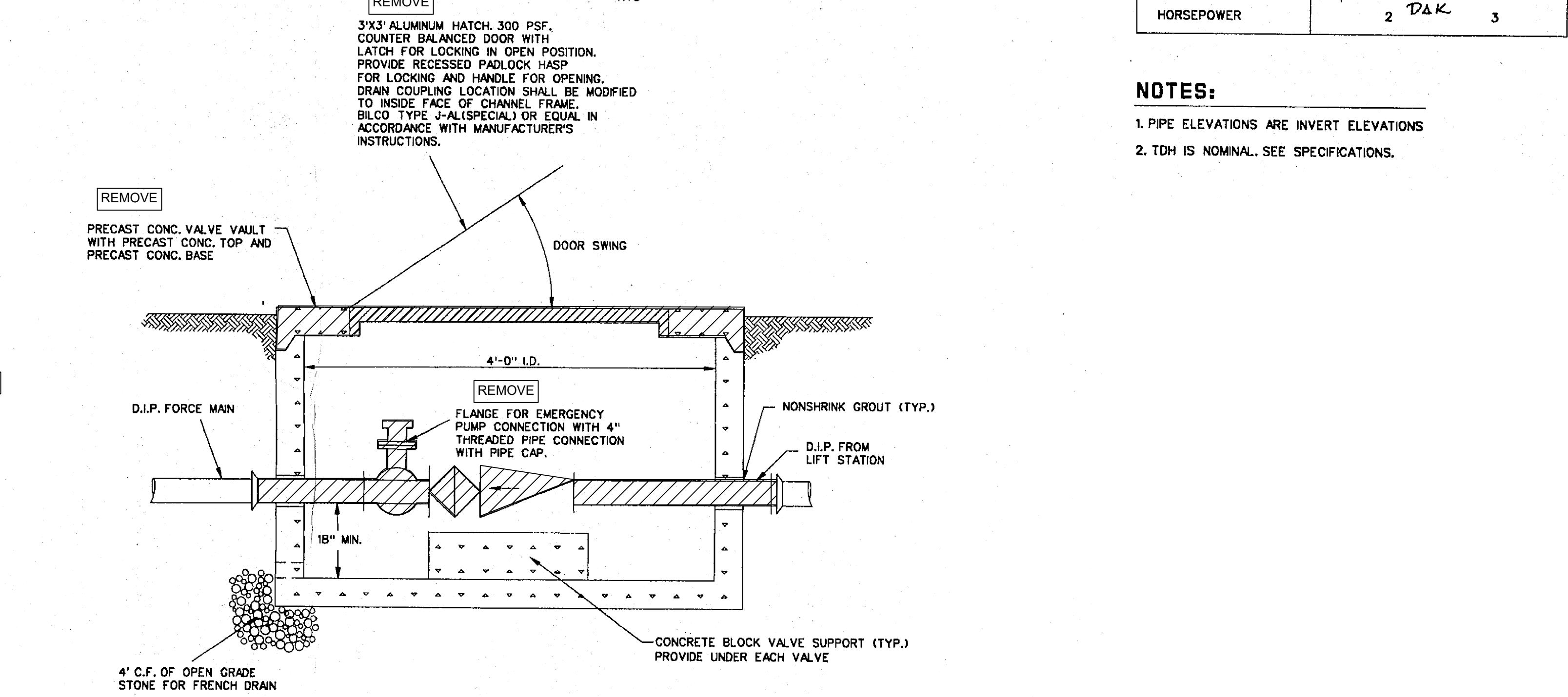


PUMP STATION
TYPICAL SECTION

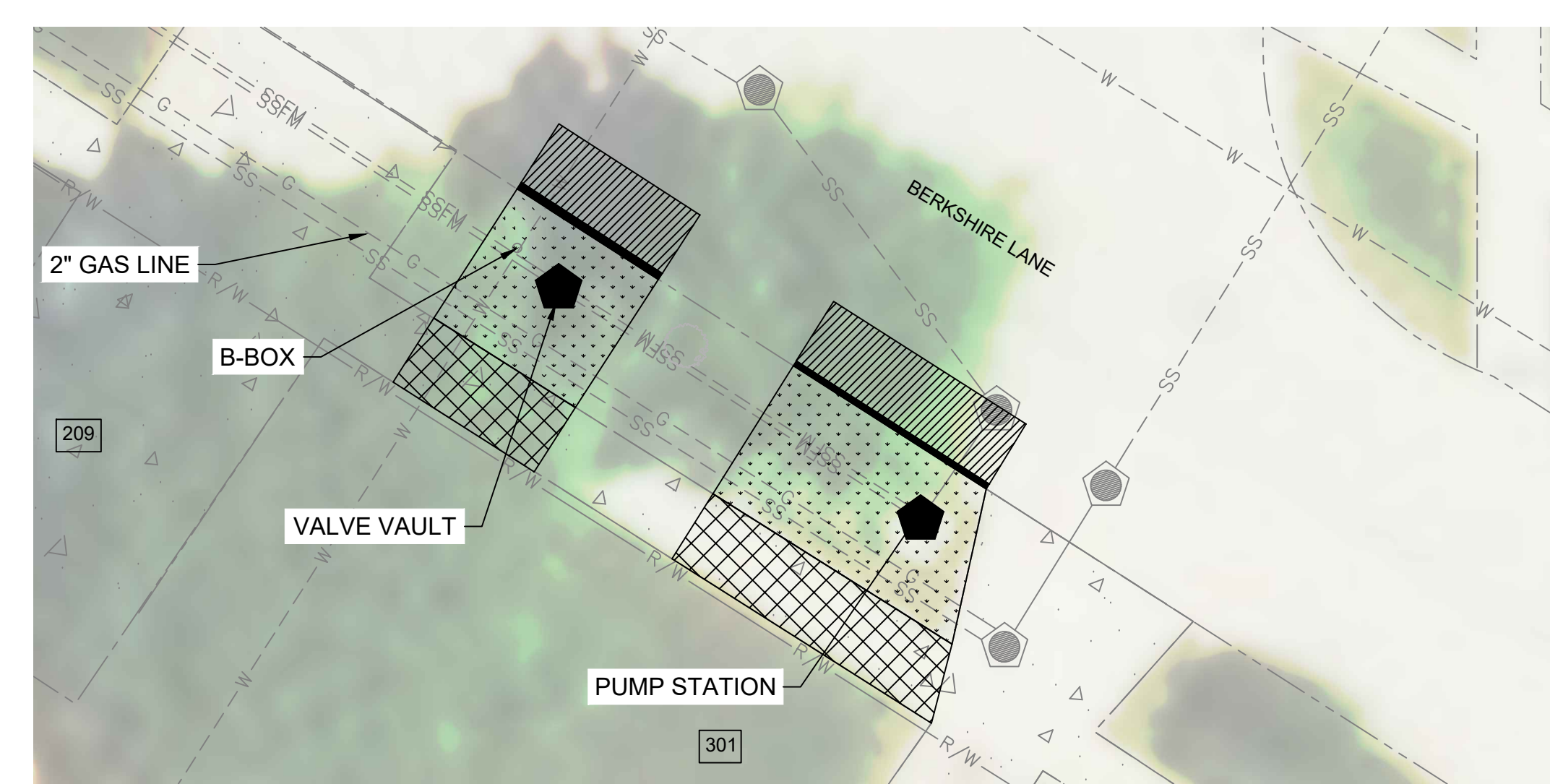
GENERAL NOTES:
1. THE VILLAGE RETAINS THE RIGHT TO SALVAGE ANY AND ALL EQUIPMENT DESIGNATED FOR REMOVAL.



VALVE VAULT PLAN
NTS



VALVE VAULT SECTION
NTS



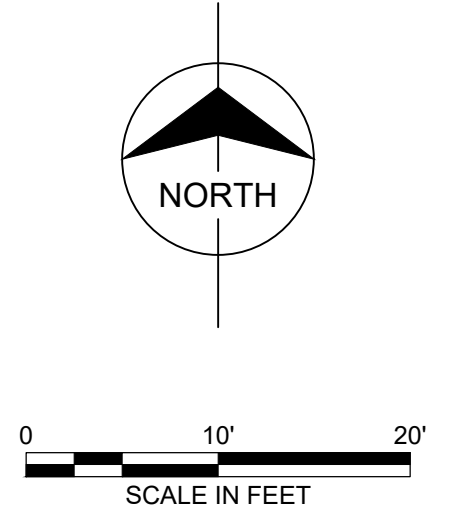
SITE PLAN:

PUMP STATION SCHEDULE

LOCATION	ELEVATION
GROUND	657.00
TOP (WET WELL & VALVE VAULT)	657.00
BASE (TOP)	625.54 (12" DIA.) 627.33 (10" DIA.)
PUMP OFF	626.20 (12" DIA.) 628.00 (10" DIA.)
PUMP ON	628.20 (12" DIA.) 630.00 (10" DIA.)
INFLUENT PIPE	628.20 (12" DIA.) 630.00 (10" DIA.)
PUMP OFF-RISING WATER LEVEL	646.50
PUMP ON-FALLING WATER LEVEL	646.25
DISCHARGE PIPE	650.00
WET WELL DIA.	5 FT
PIPE SIZES (IN DIA.)	
INFLUENT	18"
DISCHARGES	3"
PUMP SIZE	NO. 1 NO. 2
CAPACITY (GPM)	27.5 125
TDH (ft.)	12.5 23
HORSEPOWER	2 3

NOTES:
1. PIPE ELEVATIONS ARE INVERT ELEVATIONS
2. TDH IS NOMINAL. SEE SPECIFICATIONS.

no.	date	by	ckd	description
0	1/10/24	PTN	CJA	ISSUED FOR BID



FOR BID - NOT FOR CONSTRUCTION

BURNS MEDONNELL
1431 OPUS PLACE SUITE 400
DOWNERS GROVE, IL 60515
630-724-3200
LICENSEE NO. 184.001310

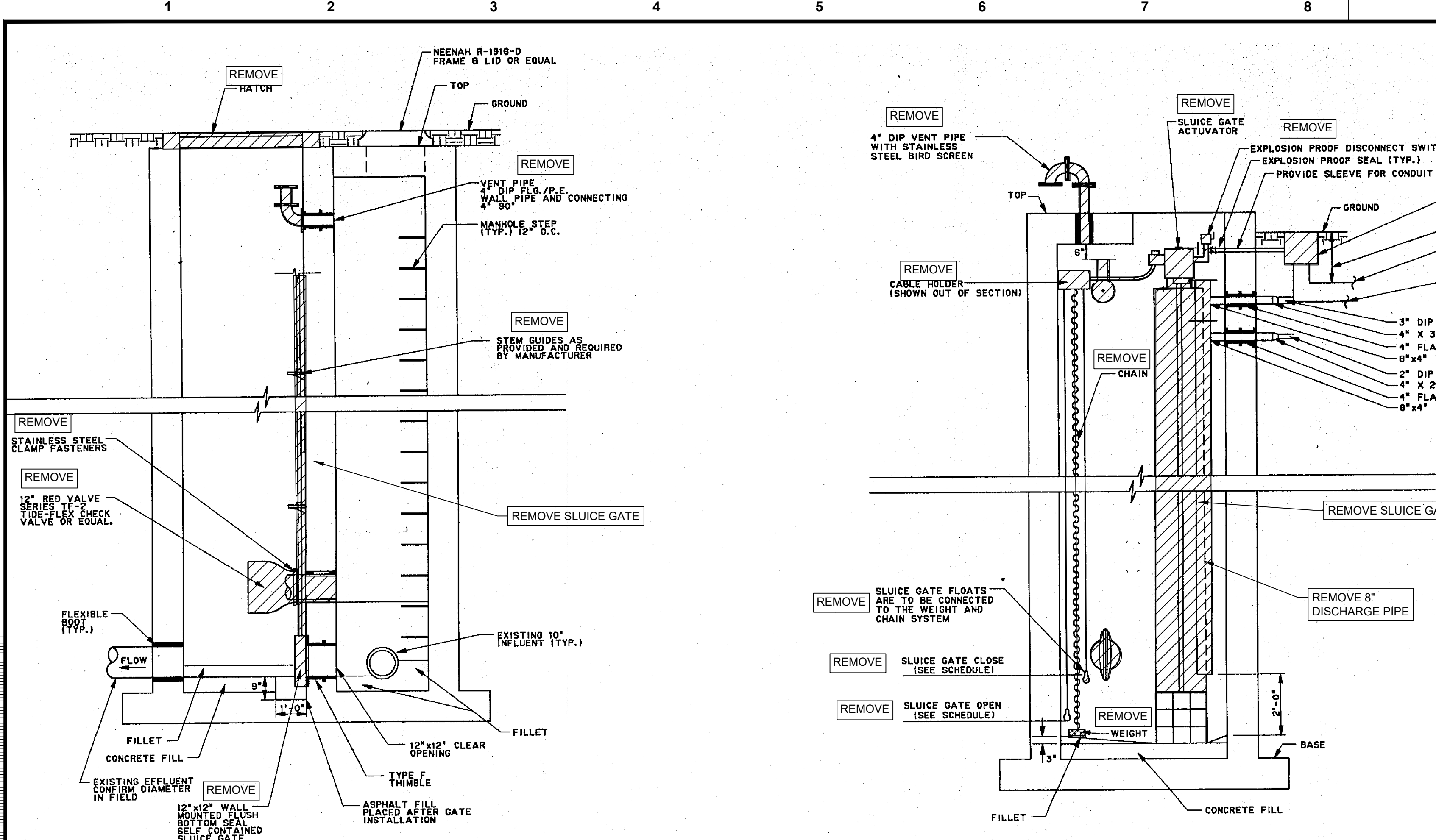
date	designed	detailed
JANUARY 2024	C. APKER	P. NAGLE
checked		
		P. ST.AUBYN



Cook County, Illinois

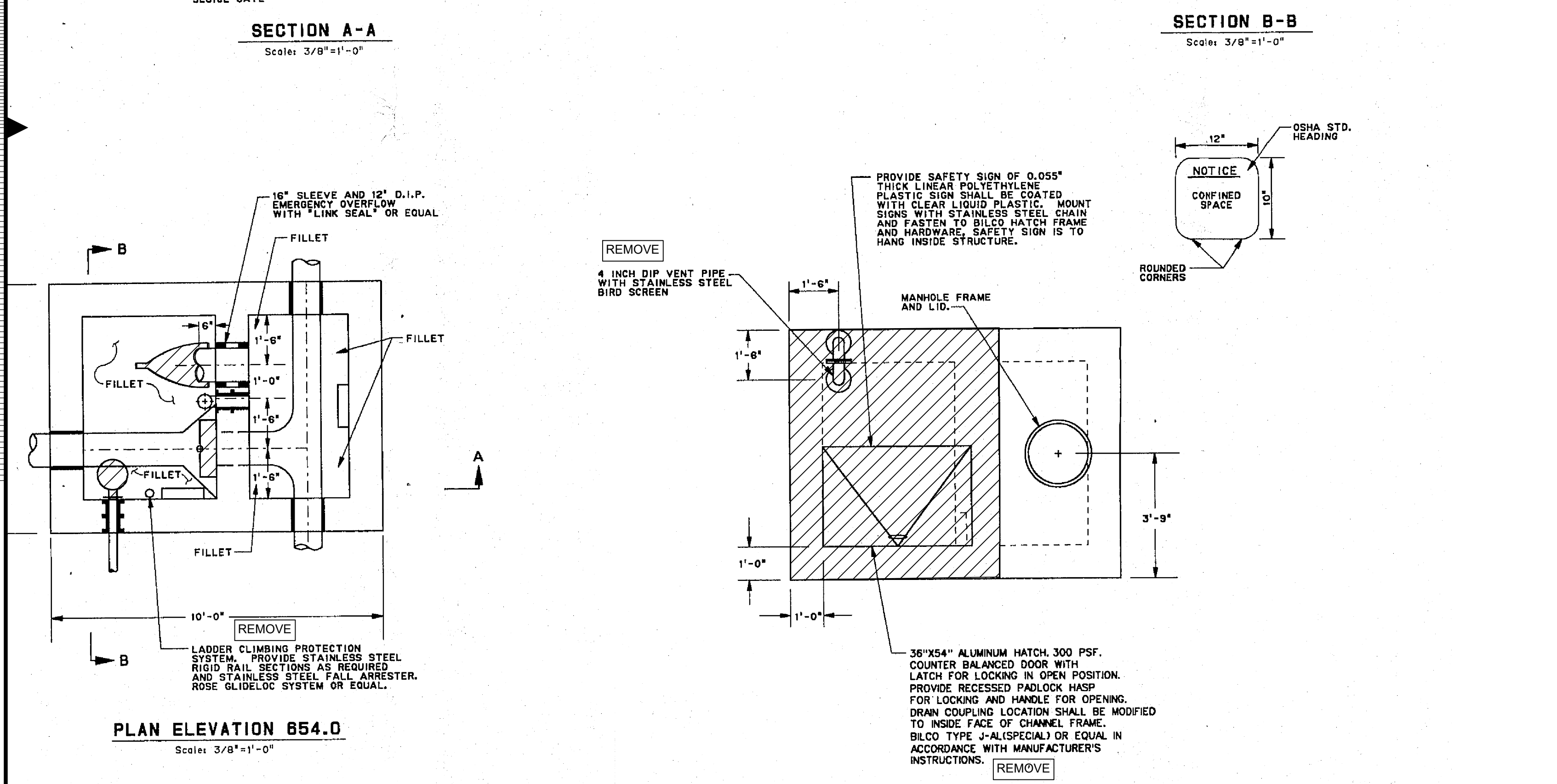
MAPLE BERKSHIRE RELIEF STATION REHABILITATION PROJECT
PUMP STATION PLAN & DETAIL DEMO

project	contract
156625	
drawing	rev.
D001	0
sheet 5 of 13 sheets	file 156625 Civil Sheets-Maple Berkshire.dwg



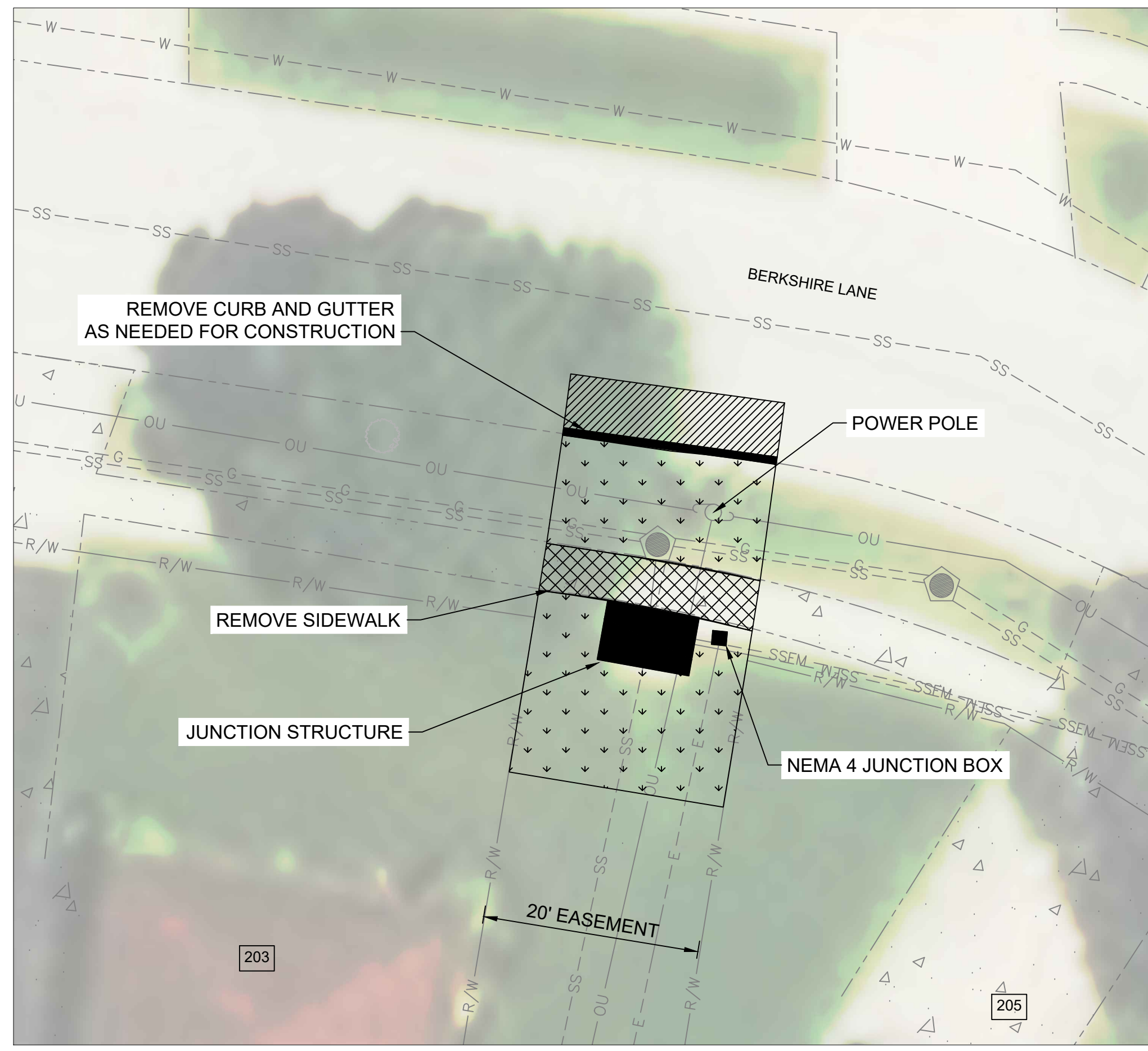
GATE STRUCTURE SCHEDULE	
LOCATION	ELEVATION
GROUND	± 655.0
TOP	± 655.00
BASE (TOP)	643.79
SLUICE GATE CLOSE	645.12
SLUICE GATE OPEN	644.79
TOP OF FILLET	644.54
INFLUENT PIPE INV.	644.29
EFFLUENT PIPE INV.	644.29
SLUICE GATE INV.	644.29
TOP OF SLUICE GATE FRAME	652.5
EMERGENCY OVERFLOW INV.	645.90
VENT PIPE	652.33
FORCE MAIN DISCHARGES	651.00/652.00

NOTES:
1. PIPE ELEVATIONS ARE INVERT ELEVATIONS.

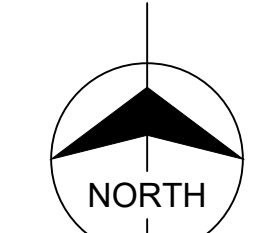


ELECTRICAL DEMOLITION NOTES:
E1. REMOVE EXISTING ELECTRICAL BOX. RETAIN EXISTING WIRE AND CONDUIT FOR REUSE.

GENERAL NOTES:
1. THE VILLAGE RETAINS THE RIGHT TO SALVAGE ANY AND ALL EQUIPMENT DESIGNATED FOR REMOVAL.



no.	date	by	ckd	description
0	1/10/24	PTN	CJA	ISSUED FOR BID



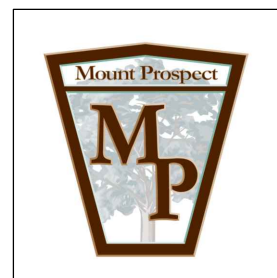
0 10' 20'
SCALE IN FEET

FOR BID - NOT FOR CONSTRUCTION



1431 OPUS PLACE SUITE 400
DOWNERS GROVE, IL 60515
630-724-3200
LICENSEE NO. 184.001310

date	JANUARY 2024	detailed	P. NAGLE
designed	C. APKER	checked	P. ST.AUBYN



Cook County, Illinois

**MAPLE BERKSHIRE RELIEF STATION
REHABILITATION PROJECT
JUNCTION STRUCTURE
PLAN & DETAIL DEMO**

project	156625	contract	
drawing	D002	rev.	0

sheet 6 of 13 sheets
file 156625_Civil Sheets-Maple Berkshire.dwg

Scale For Microfitting
Millimeters
Inches

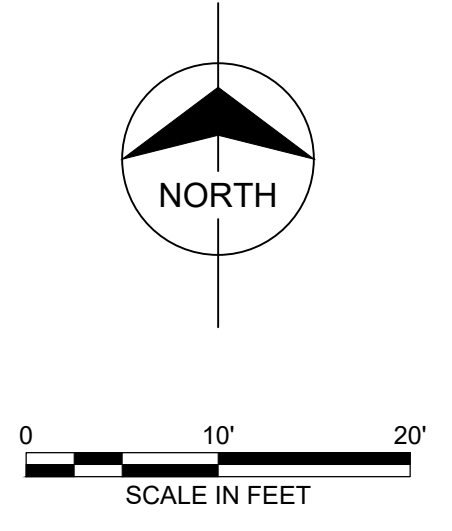


SITE PLAN:

- GENERAL NOTES:**
- SITE RESTORATION SHALL BE PERFORMED AS NECESSARY BASED ON LIMIT OF DISTURBANCE.
 - THE VILLAGE RETAINS THE RIGHT TO SALVAGE ANY AND ALL EQUIPMENT DESIGNATED FOR REMOVAL.

- ELECTRICAL DEMOLITION NOTES:**
- REMOVE EXISTING CONTROL PANEL. UTILITY DISCONNECT SWITCH AND ATS SHALL REMAIN AND BE REUSED. ALSO REMOVE CONDUCTORS AND CONDUITS IN THEIR ENTIRETY UNLESS OTHERWISE SPECIFIED ON THE ELECTRICAL DRAWINGS.

no.	date	by	ckd	description
0	1/10/24	PTN	CJA	ISSUED FOR BID



FOR BID - NOT FOR CONSTRUCTION

**BURNS
MCDONNELL**
1431 OPUS PLACE SUITE 400
DOWNERS GROVE, IL 60515
630-724-3200
LICENSEE NO. 184.001310

date	JANUARY 2024	detailed	P. NAGLE
designed	C. APKER	checked	P. ST.AUBYN



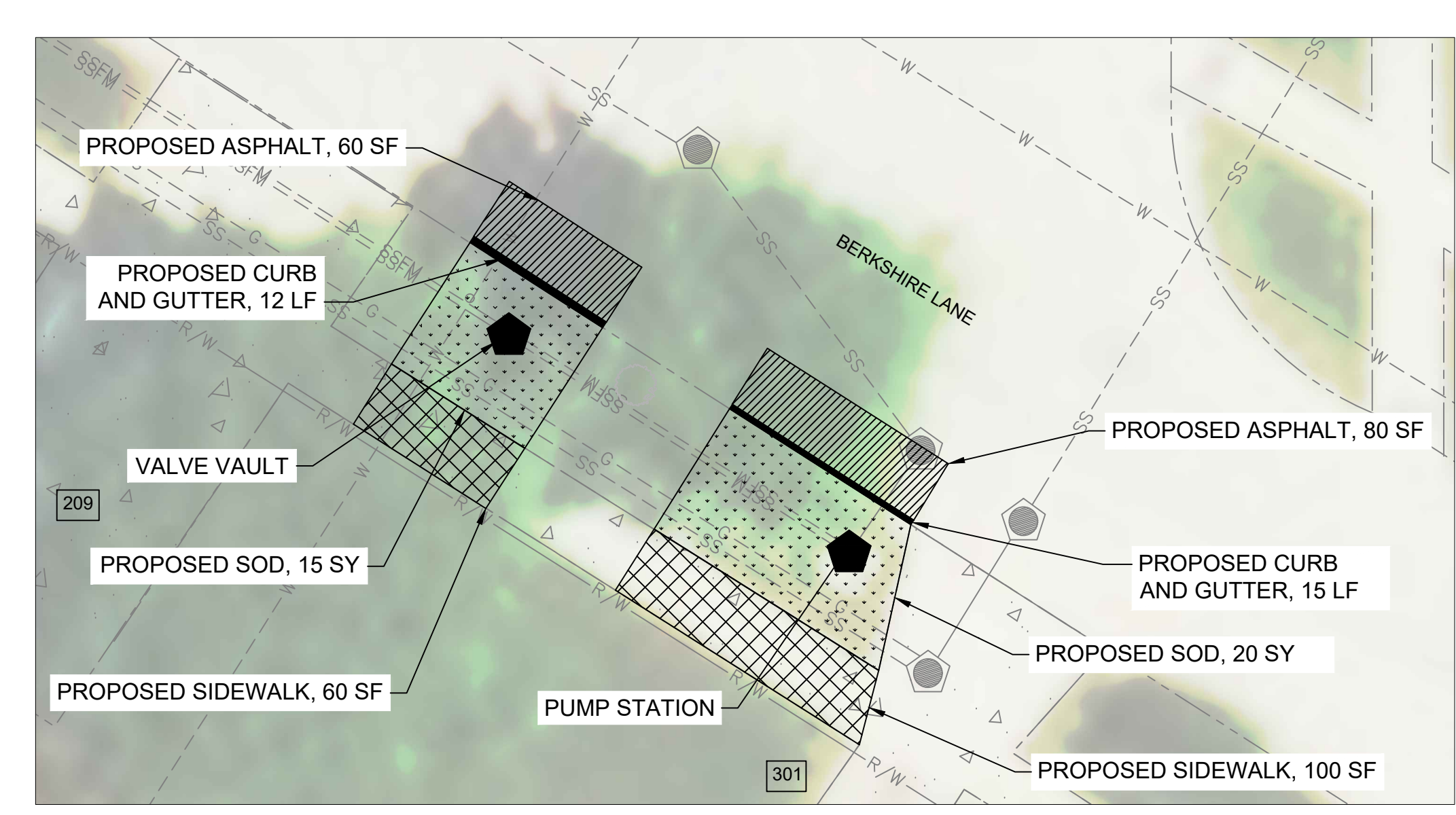
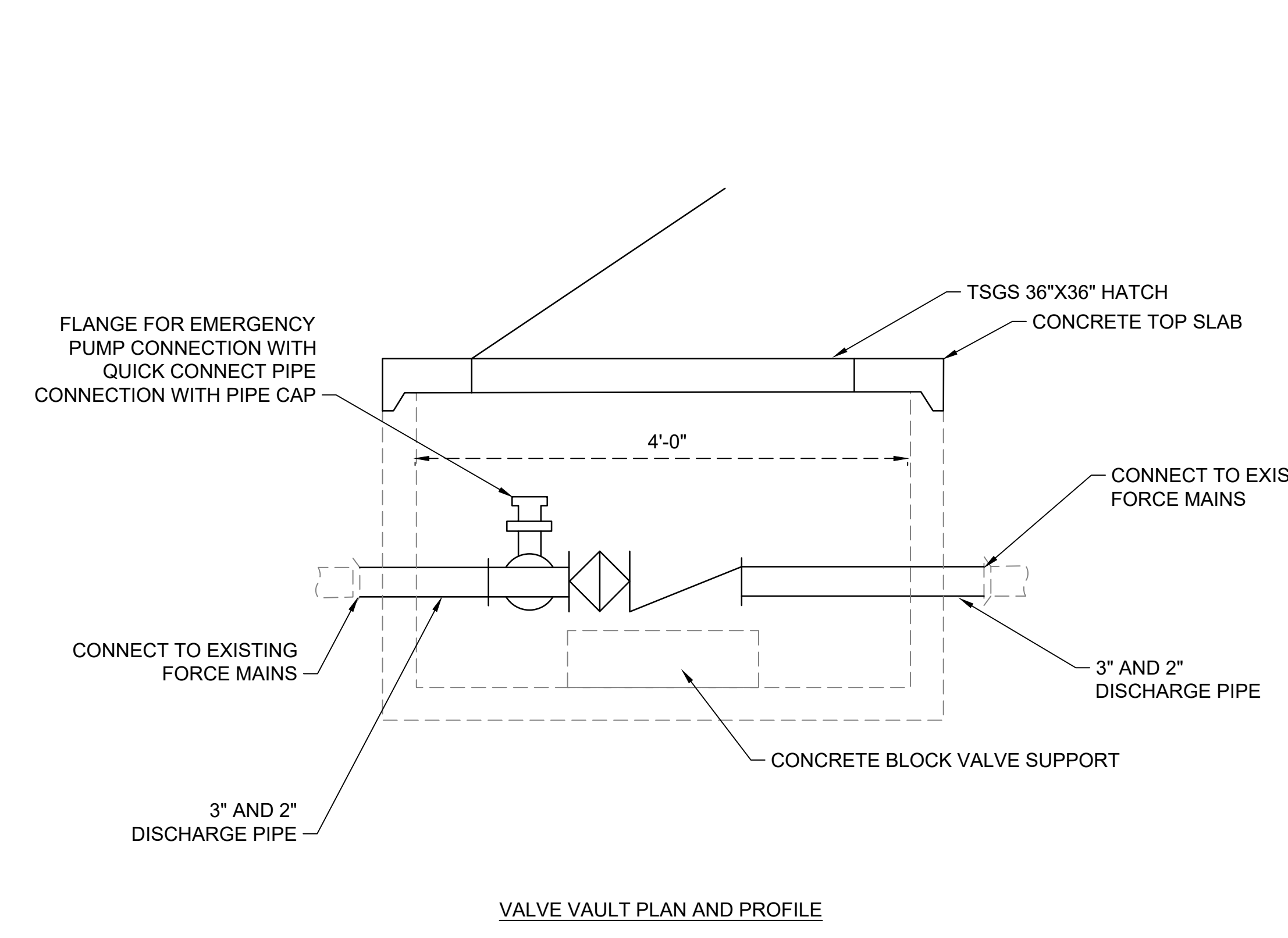
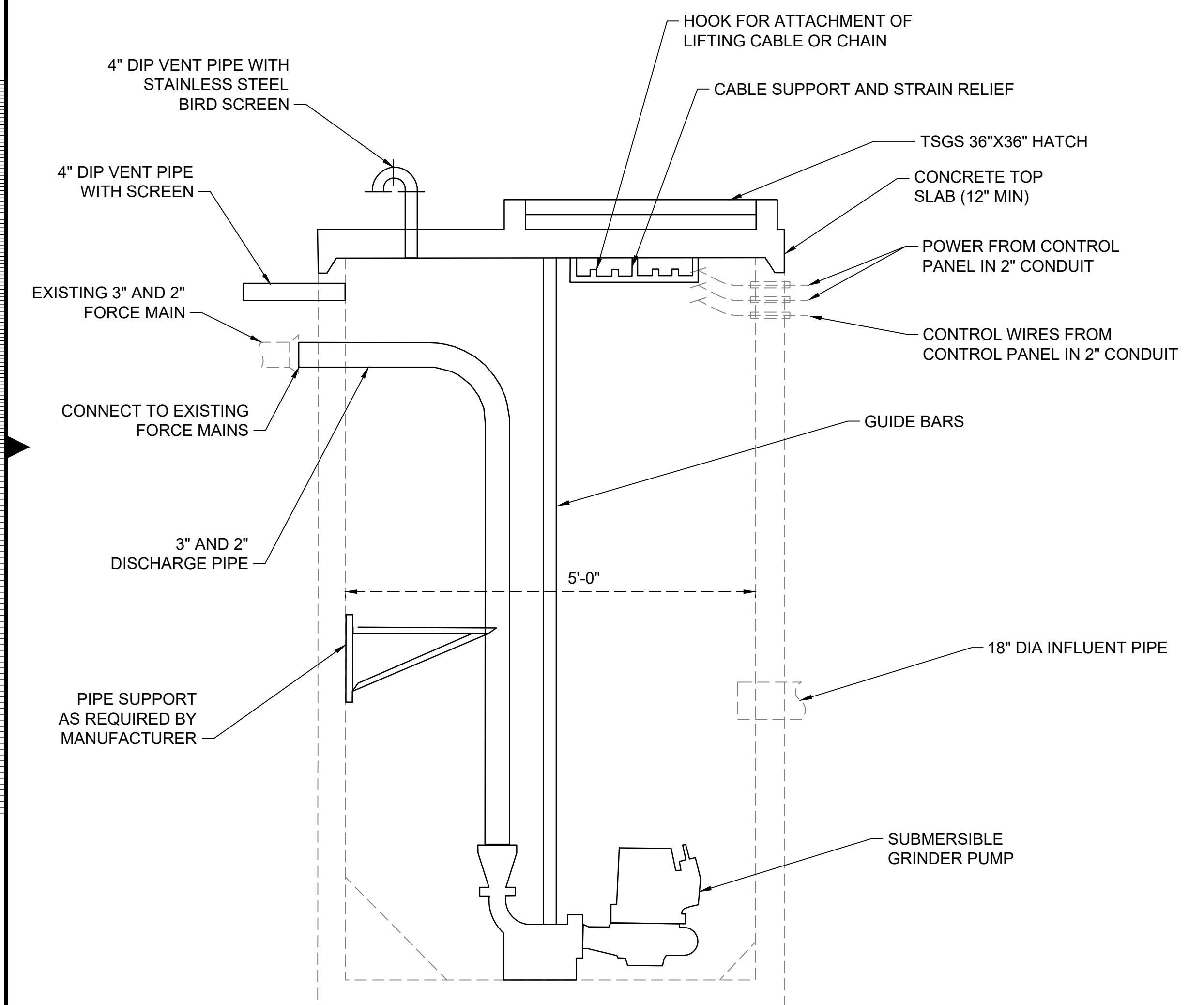
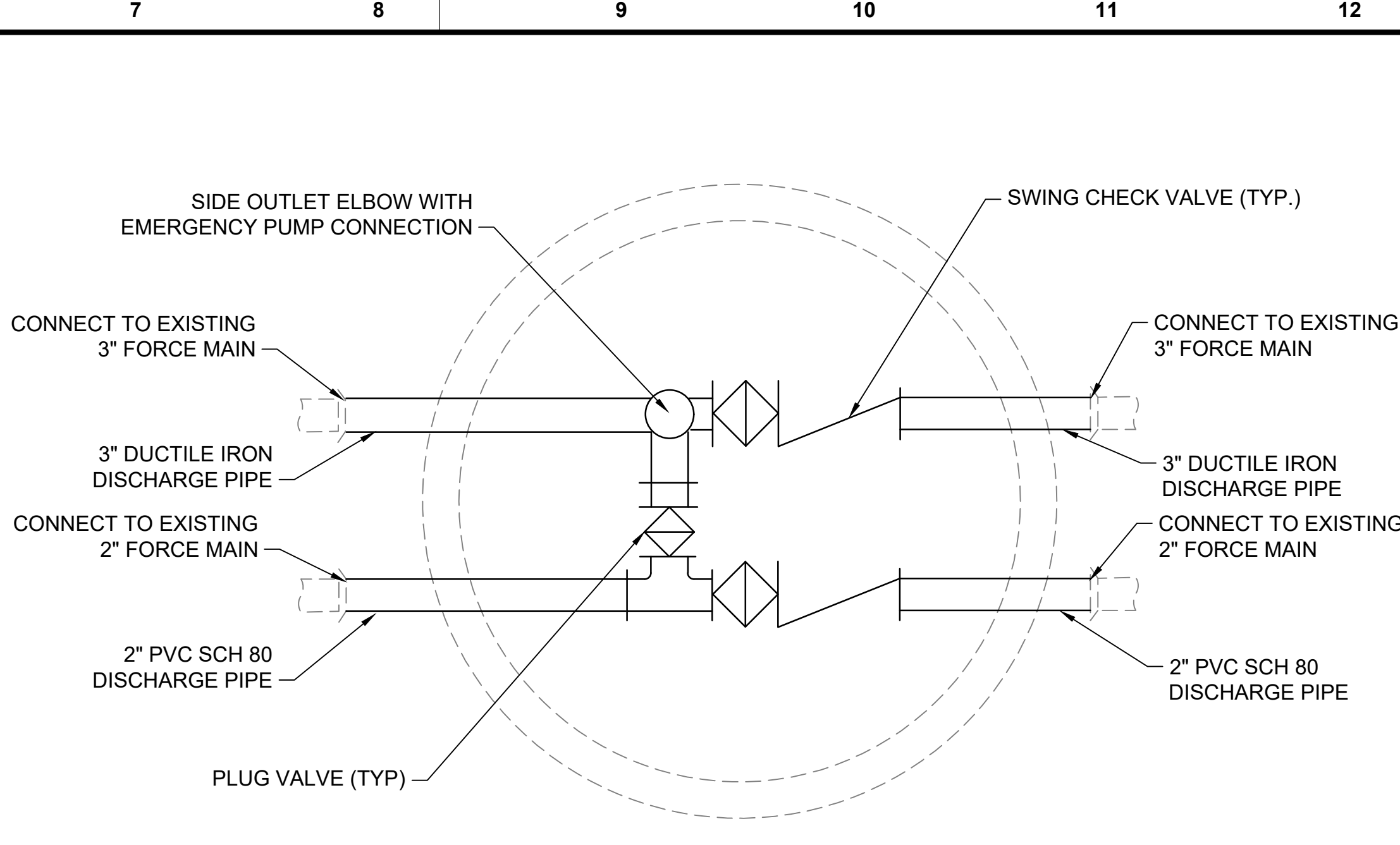
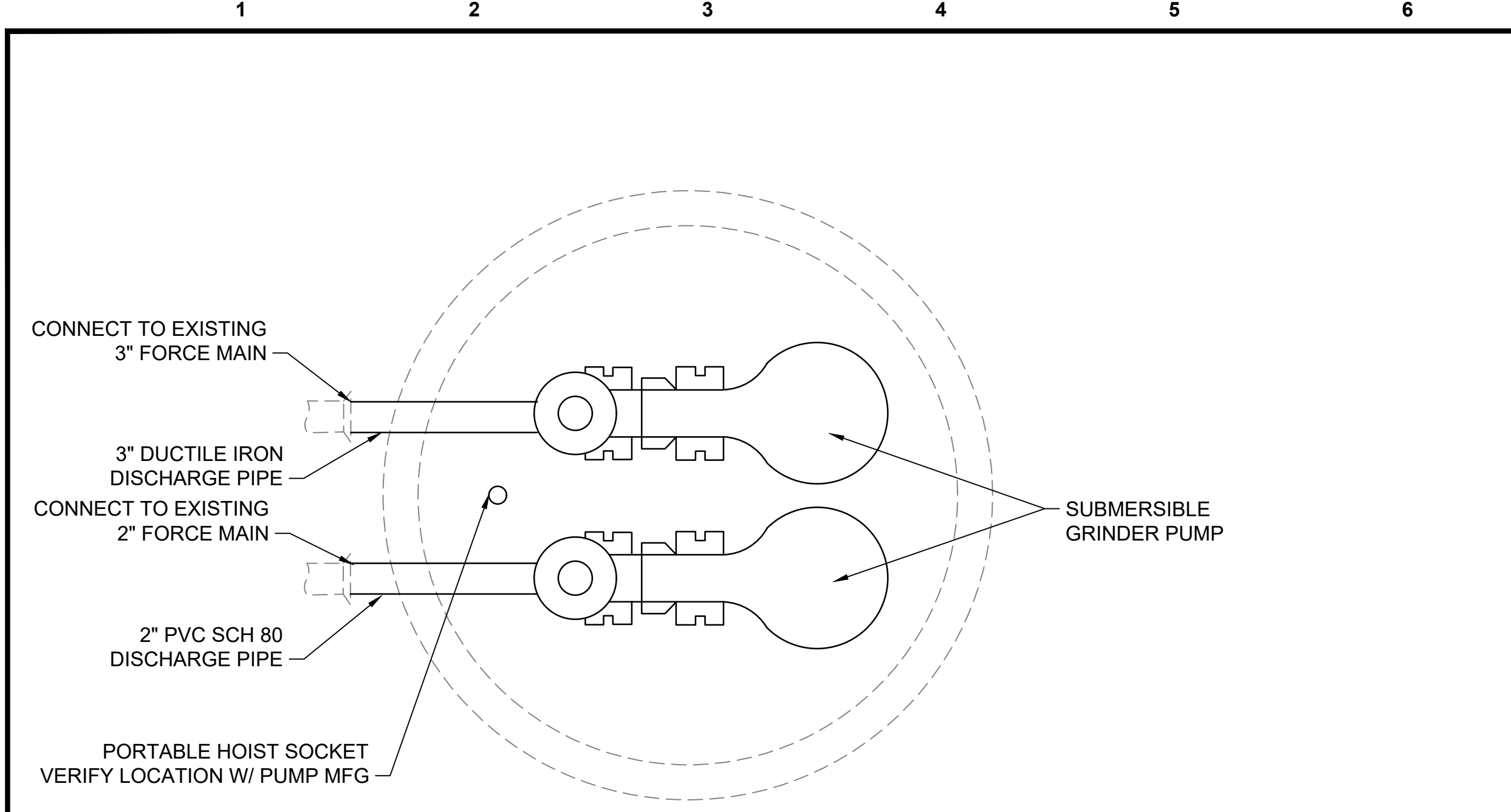
Cook County, Illinois

**MAPLE BERKSHIRE RELIEF STATION
REHABILITATION PROJECT**
CONTROL PANEL AND GENERATOR
PLAN & DETAIL DEMO

project	156625	contract	
---------	--------	----------	--

drawing **D003** - rev. **0**

sheet 7 of 13 sheets
file 156625_Civil Sheets-Maple Berkshire.dwg



PUMP STATION SCHEDULE

LOCATION	ELEVATION
GROUND	657.00
TOP (WET WELL & VALVE VAULT)	657.00
BASE (TOP)	625.54
PUMP OFF	628.20
PUMP ON	628.20
INFLUENT PIPE	628.20
PUMP OFF-RISING WATER LEVEL	646.50
PUMP ON-FALLING WATER LEVEL	646.25
DISCHARGE PIPE	650.00

WET WELL DIA.	5 FT	
PIPE SIZES (IN DIA.)		
INFLUENT	18"	
DISCHARGES	3"	
PUMP SIZE	NO. 1	NO. 2
CAPACITY (GPM)	27.5	125
TDH (ft.)	17.0	26.2
HORSEPOWER	2	3

NOTES:

1. PIPE ELEVATIONS ARE INVERT ELEVATIONS

PUMP MODELS:

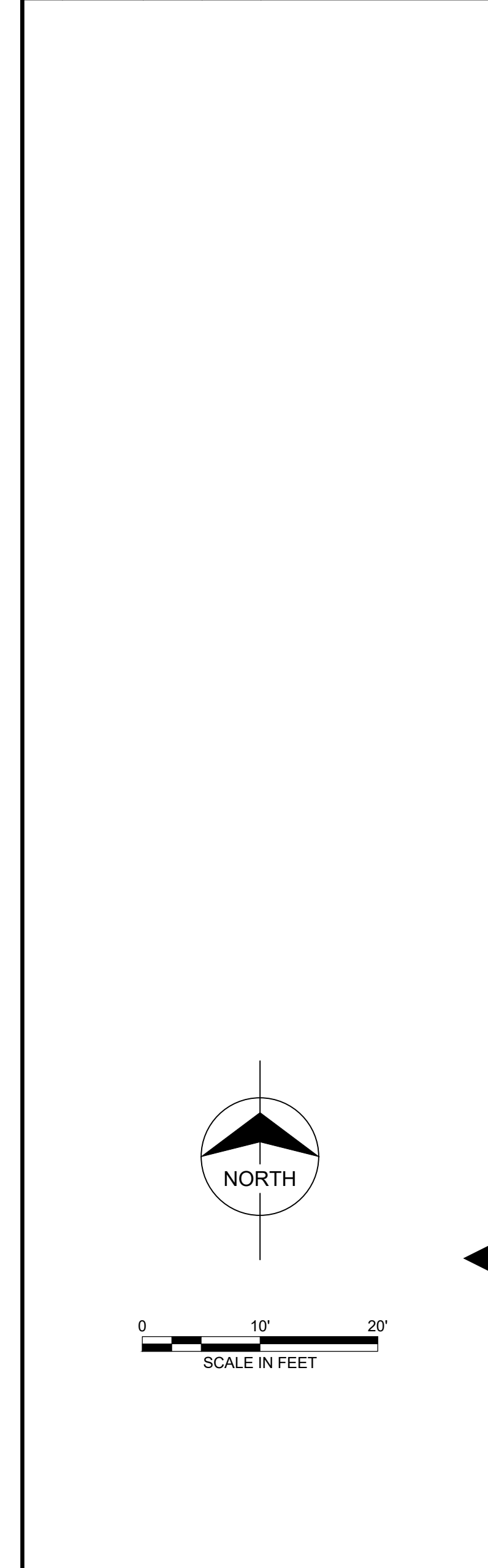
- PUMP NO. 1: PENTAIR HYDROMATIC - HPG-A
- PUMP NO. 2: FLYGT NP 3069 SH 3~ ADAPTIVE 276

Millimeters

Scale For Microfitting

Inches

no.	date	by	ckd	description
0	1/10/24	PTN	CJA	ISSUED FOR BID



FOR BID - NOT FOR CONSTRUCTION

BURNS MEDONNELL

1431 OPUS PLACE SUITE 400
DOWNERS GROVE, IL 60515
630-724-3200
LICENSEE NO. 184.001310

date	JANUARY 2024	detailed	P. NAGLE
designed	C. APKER	checked	P. ST.AUBYN



MAPLE BERKSHIRE RELIEF STATION REHABILITATION PROJECT
PROPOSED PUMP STATION SITE PLAN & DETAIL

project	156625	contract	
drawing		rev.	

C001 - 0

sheet 8 of 13 sheets
file 156625_Civil Sheets-Maple Berkshire.dwg

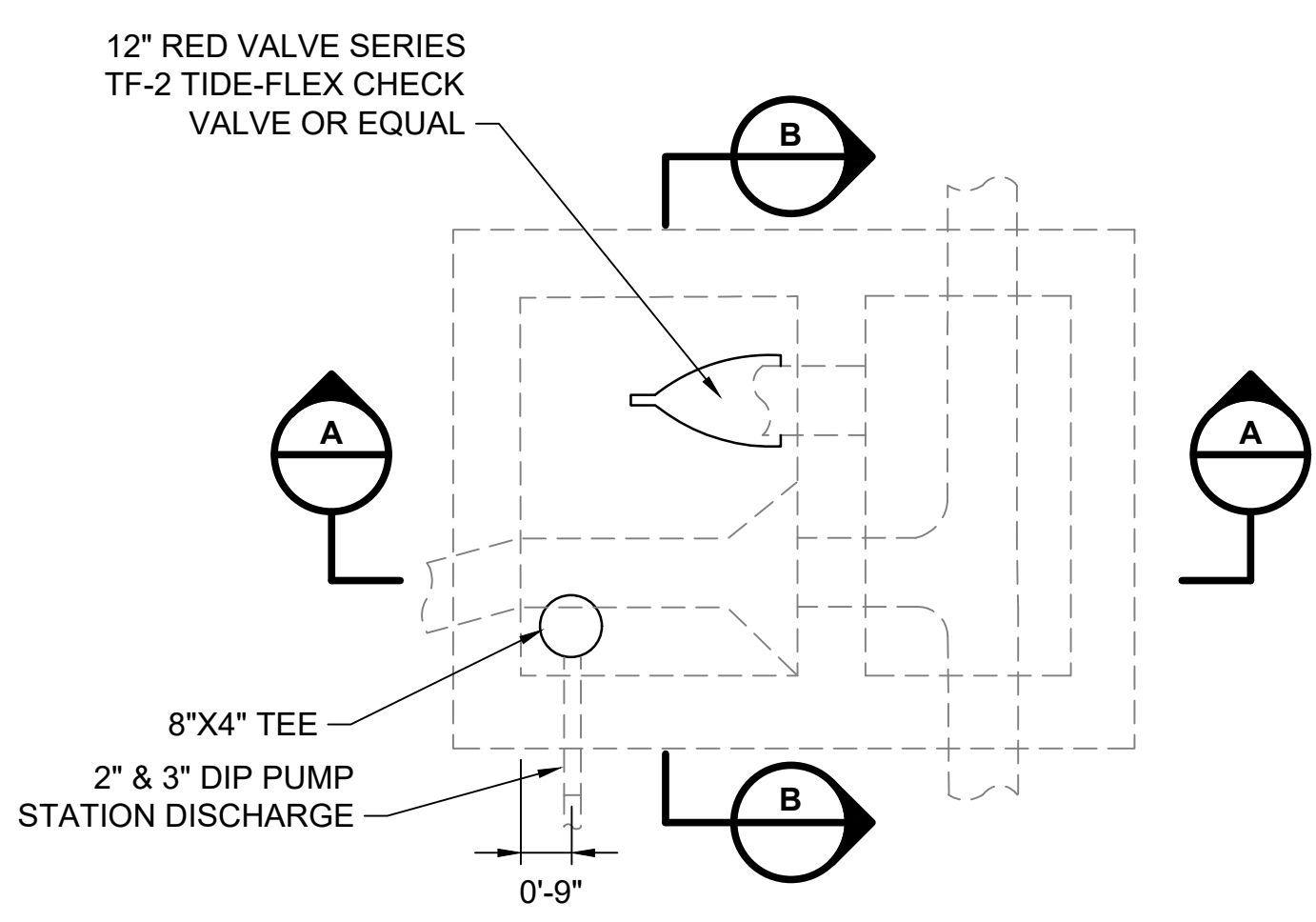
NOTES:

- EXCAVATE EXTERIOR VAULT WALL TO JOINT, CUT AND REMOVE INTRUDING ROOTS, AND SEAL FROM OUTSIDE.
- INSTALL WATERTIGHT FLEXIBLE RUBBER CONNECTOR CONFORMING TO ASTM C-923 WITH STAINLESS STEEL BAND AT PIPE PENETRATIONS.
- CONTRACTOR TO CONFIRM WET WELL ELEVATIONS PRIOR TO INSTALLATION.
- CONTRACTOR TO CONFIRM EXISTING FORCE MAIN SIZE AND MATERIAL PRIOR TO INSTALLATION.
- REPLACE EXISTING FORCE MAIN AS NECESSARY TO MAKE CONNECTION FROM PIPING WITHIN LIFT STATION AND VALVE VAULT.
- CONTRACTOR SHALL PROVIDE ALL PIPING, FITTINGS, COUPLINGS, SLEEVES, ADAPTERS, AND APPURTENANCES FOR A COMPLETE INSTALLATION. PIPE LENGTHS AND DIMENSIONS SHOWN IN THE PLANS ARE FOR THE CONTRACTOR'S CONVENIENCE AND REFERENCE ONLY.
- SITE RESTORATION SHALL BE PERFORMED AS NECESSARY BASED ON LIMIT OF DISTURBANCE. RESTORATION QUANTITIES ARE NOT TO EXCEED.

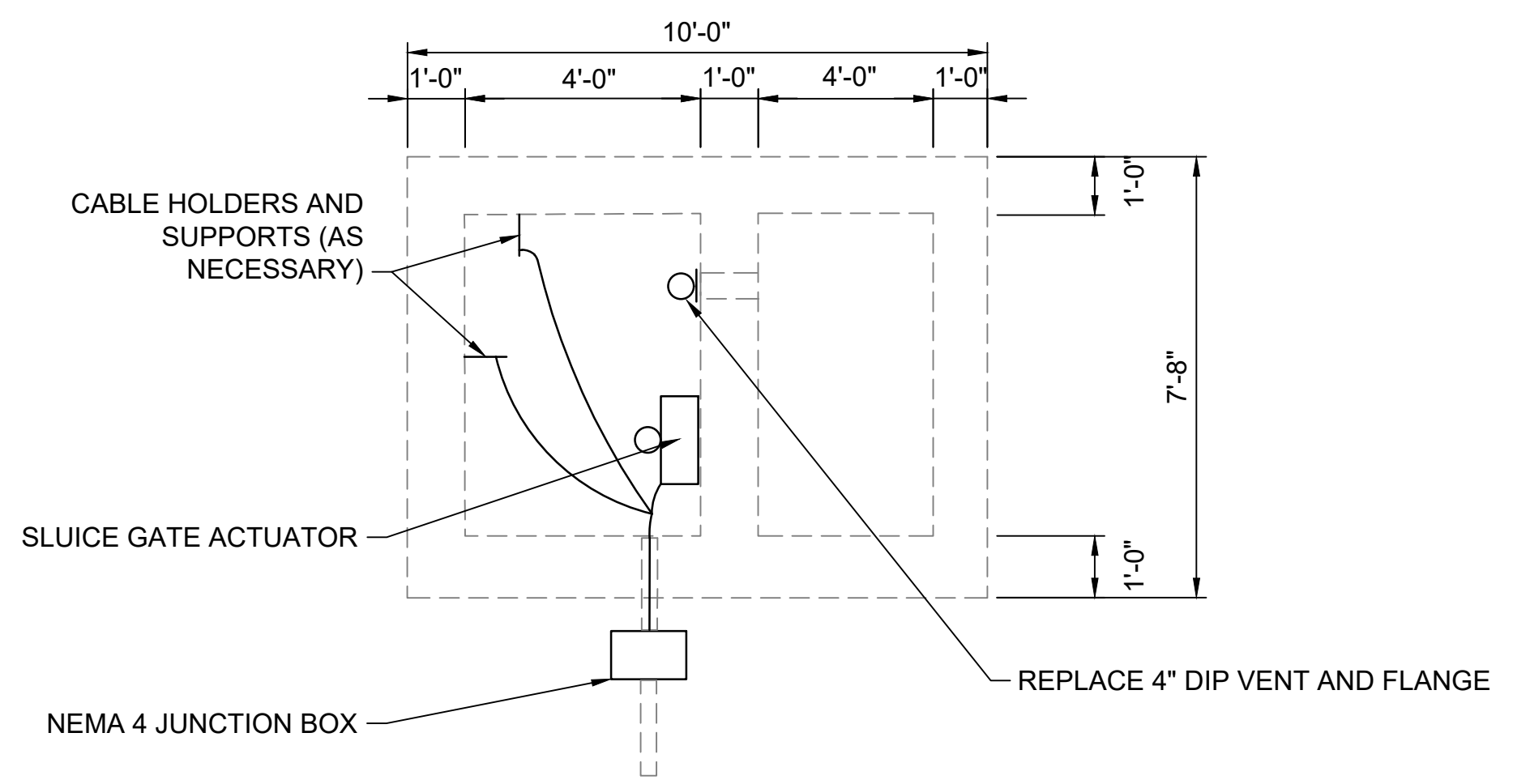
no.	date	by	ckd	description
0	1/10/24	PTN	CJA	ISSUED FOR BID

GATE STRUCTURE SCHEDULE	
LOCATION	ELEVATION
GROUND	± 655.0
TOP	± 655.00
BASE (TOP)	643.79
SLUICE GATE CLOSE	645.12
SLUICE GATE OPEN	644.79
TOP OF FILLET	644.54
INFLUENT PIPE INV.	644.29
EFFLUENT PIPE INV.	644.29
SLUICE GATE INV.	644.29
TOP OF SLUICE GATE FRAME	652.5
EMERGENCY OVERFLOW INV.	645.90
VENT PIPE	652.33
FORCE MAIN DISCHARGES	651.00/652.00

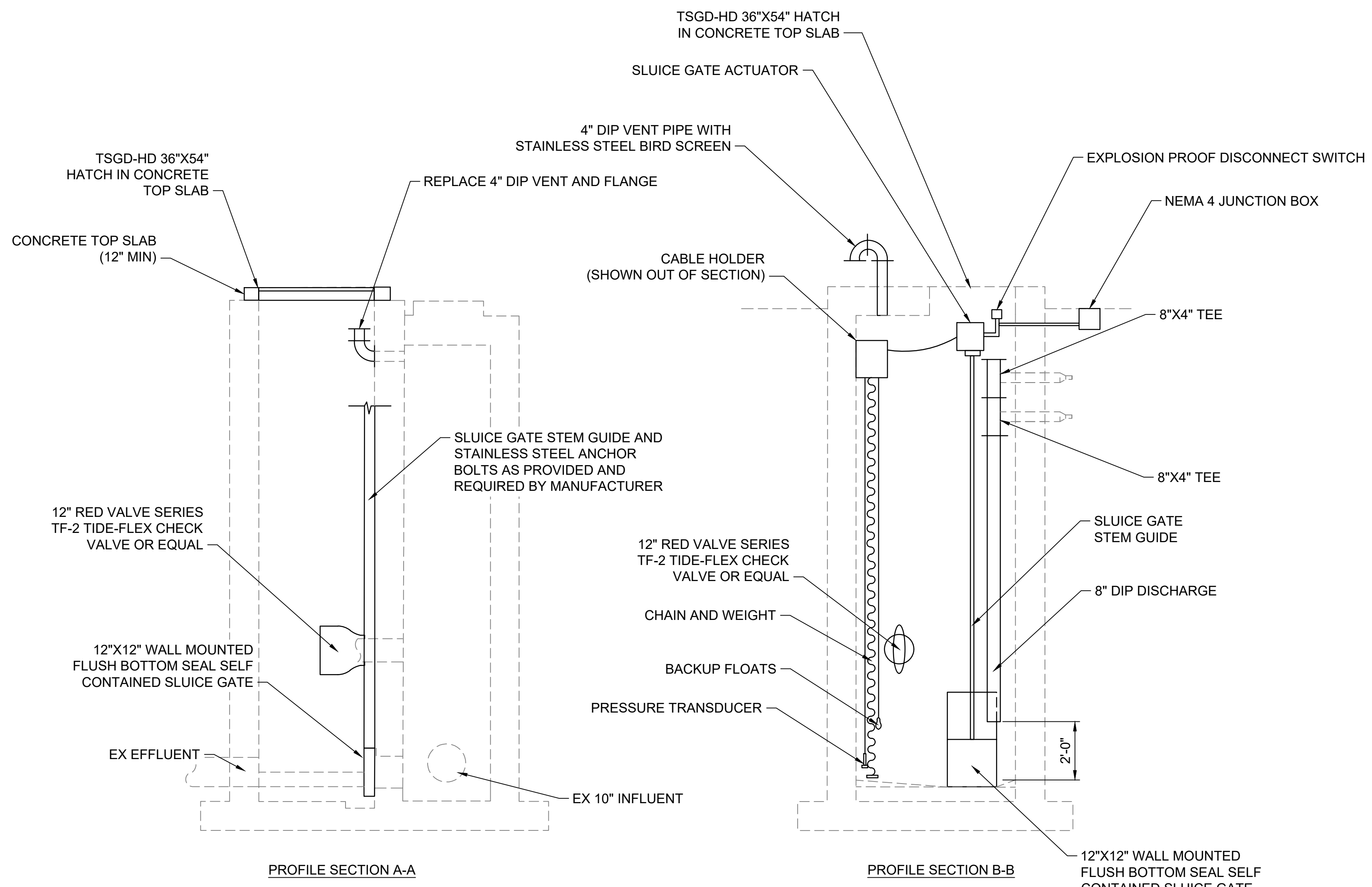
NOTES:
1. PIPE ELEVATIONS ARE INVERT ELEVATIONS.



PLAN ELEVATION 654.0



PLAN ELEVATION 664.0



PROFILE SECTION A-A

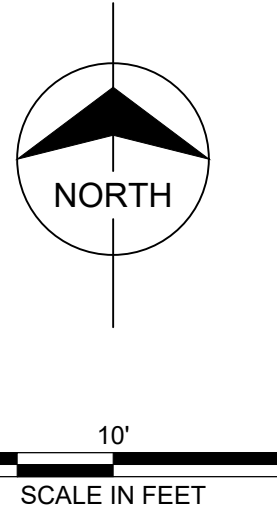
PROFILE SECTION B-B



SITE PLAN:

- NOTES:
- INSTALL WATERTIGHT FLEXIBLE RUBBER CONNECTOR CONFORMING TO ASTM C-923 WITH STAINLESS STEEL BAND AT PIPE PENETRATIONS.
 - CONTRACTOR TO CONFIRM EXISTING FORCE MAIN SIZE AND MATERIAL PRIOR TO INSTALLATION.
 - REPLACE EXISTING FORCE MAIN AS NECESSARY TO MAKE CONNECTION FROM PIPING WITHIN LIFT STATION AND VALVE VAULT.
 - CONTRACTOR SHALL PROVIDE ALL PIPING, FITTINGS, COUPLINGS, SLEEVES, ADAPTERS, AND APPURTENANCES FOR A COMPLETE INSTALLATION. PIPE LENGTHS AND DIMENSIONS SHOWN IN THE PLANS ARE FOR THE CONTRACTOR'S CONVENIENCE AND REFERENCE ONLY.
 - SITE RESTORATION SHALL BE PERFORMED AS NECESSARY BASED ON LIMIT OF DISTURBANCE. RESTORATION QUANTITIES ARE NOT TO EXCEED.

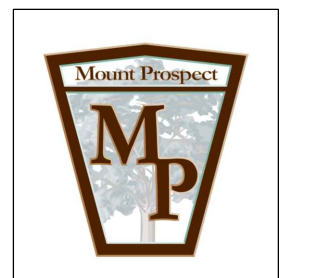
Scale For Microfitting
Millimeters
Inches



FOR BID - NOT FOR CONSTRUCTION

BURNS MEDONNELL
1431 OPUS PLACE SUITE 400
DOWNERS GROVE, IL 60515
630-724-3200
LICENSEE NO. 184.001310

date	JANUARY 2024	detailed	P. NAGLE
designed	C. APKER	checked	P. ST.AUBYN

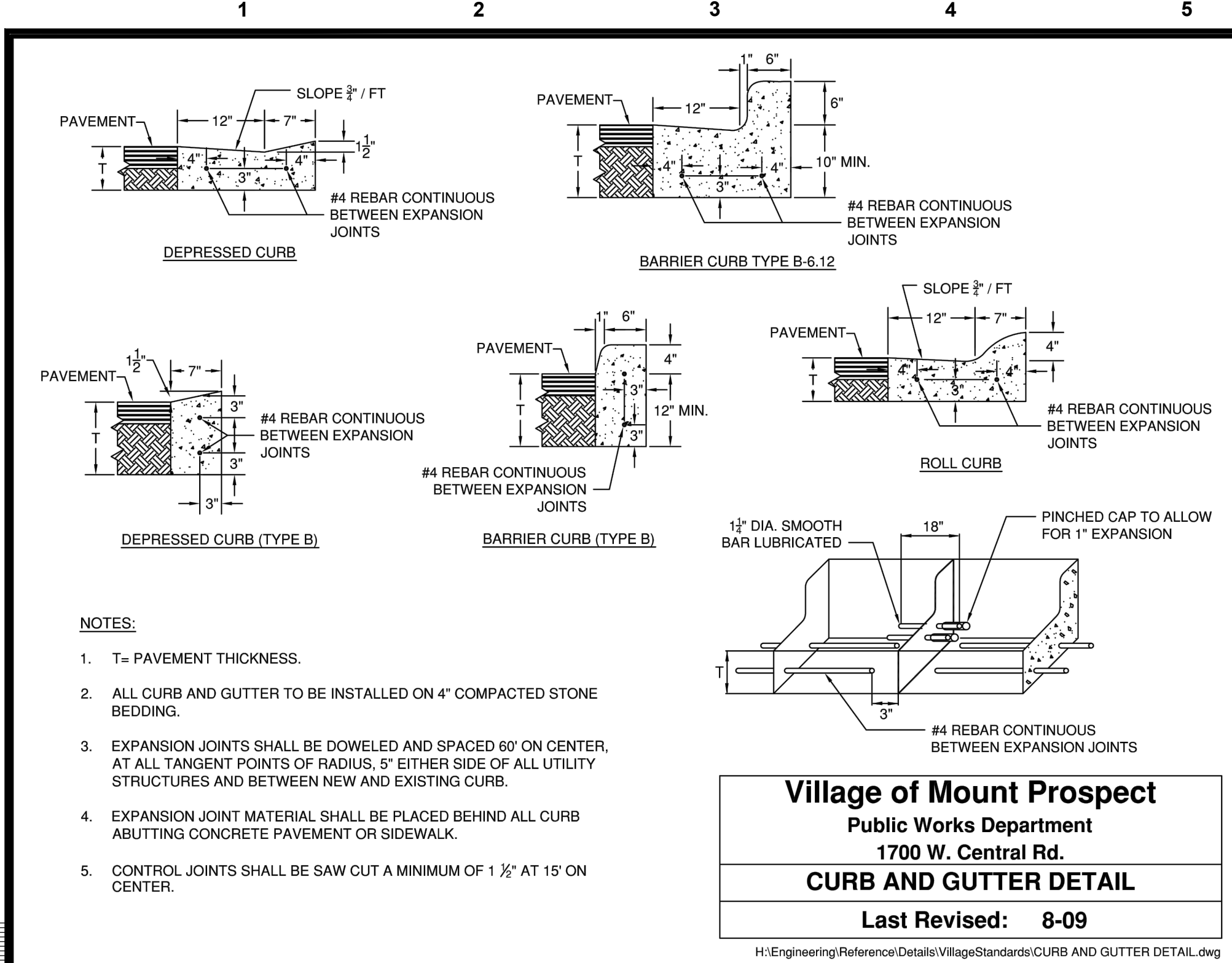


Cook County, Illinois

MAPLE BERKSHIRE RELIEF STATION REHABILITATION PROJECT
PROPOSED JUNCTION STRUCTURE PLAN & DETAIL

project	156625	contract	
drawing		rev.	

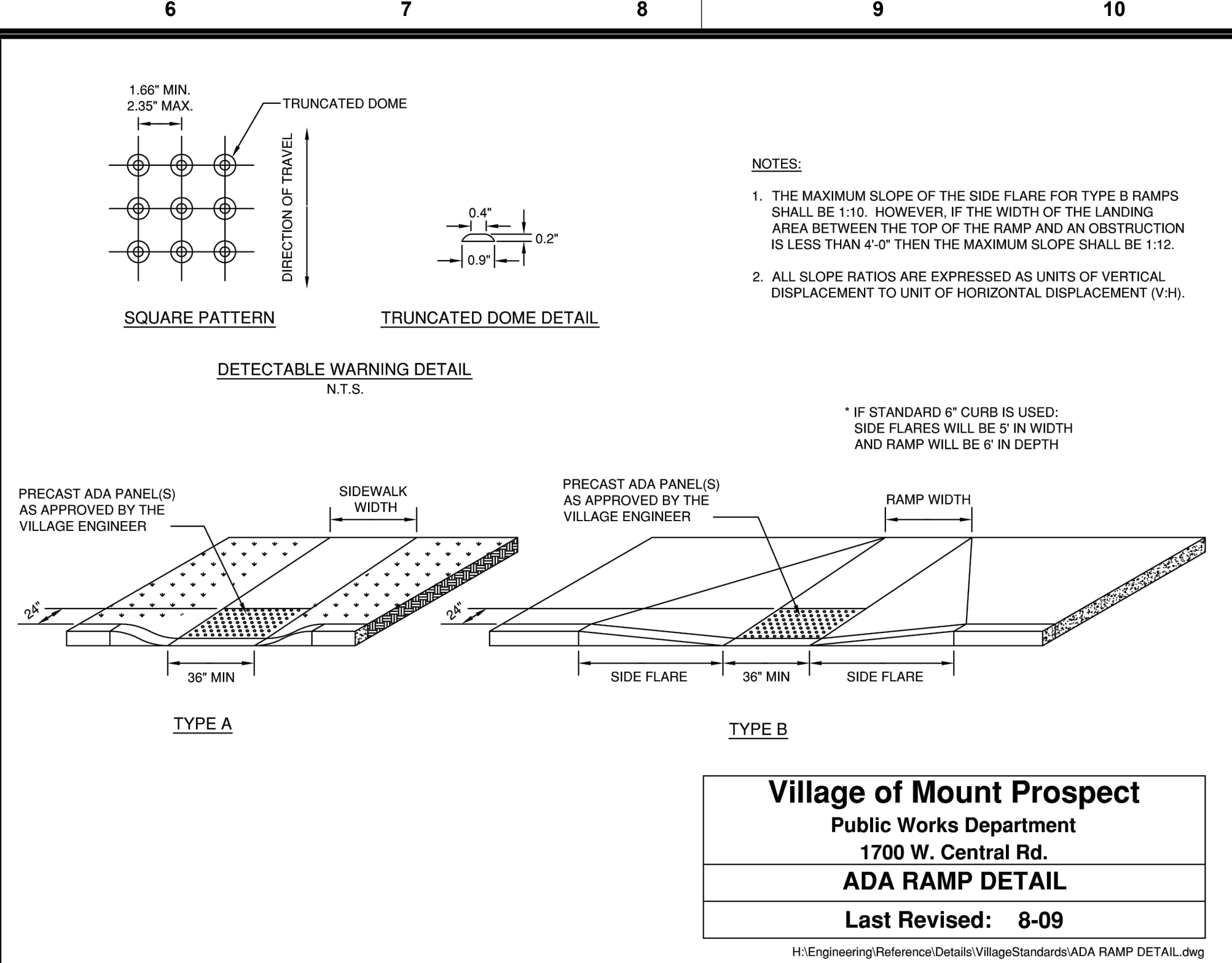
C002 - 0
sheet 9 of 13 sheets
file 156625 Civil Sheets-Maple Berkshire.dwg



- NOTES:**
- T= PAVEMENT THICKNESS.
 - ALL CURB AND GUTTER TO BE INSTALLED ON 4" COMPACTED STONE BEDDING.
 - EXPANSION JOINTS SHALL BE DOWELED AND SPACED 60" ON CENTER, AT ALL TANGENT POINTS OF RADIUS, 5' EITHER SIDE OF ALL UTILITY STRUCTURES AND BETWEEN NEW AND EXISTING CURB.
 - EXPANSION JOINT MATERIAL SHALL BE PLACED BEHIND ALL CURB ABUTTING CONCRETE PAVEMENT OR SIDEWALK.
 - CONTROL JOINTS SHALL BE SAW CUT A MINIMUM OF 1 1/2" AT 15' ON CENTER.

Village of Mount Prospect
Public Works Department
1700 W. Central Rd.
CURB AND GUTTER DETAIL
Last Revised: 8-09

H:\Engineering\Reference\Details\VillageStandards\CURB AND GUTTER DETAIL.dwg

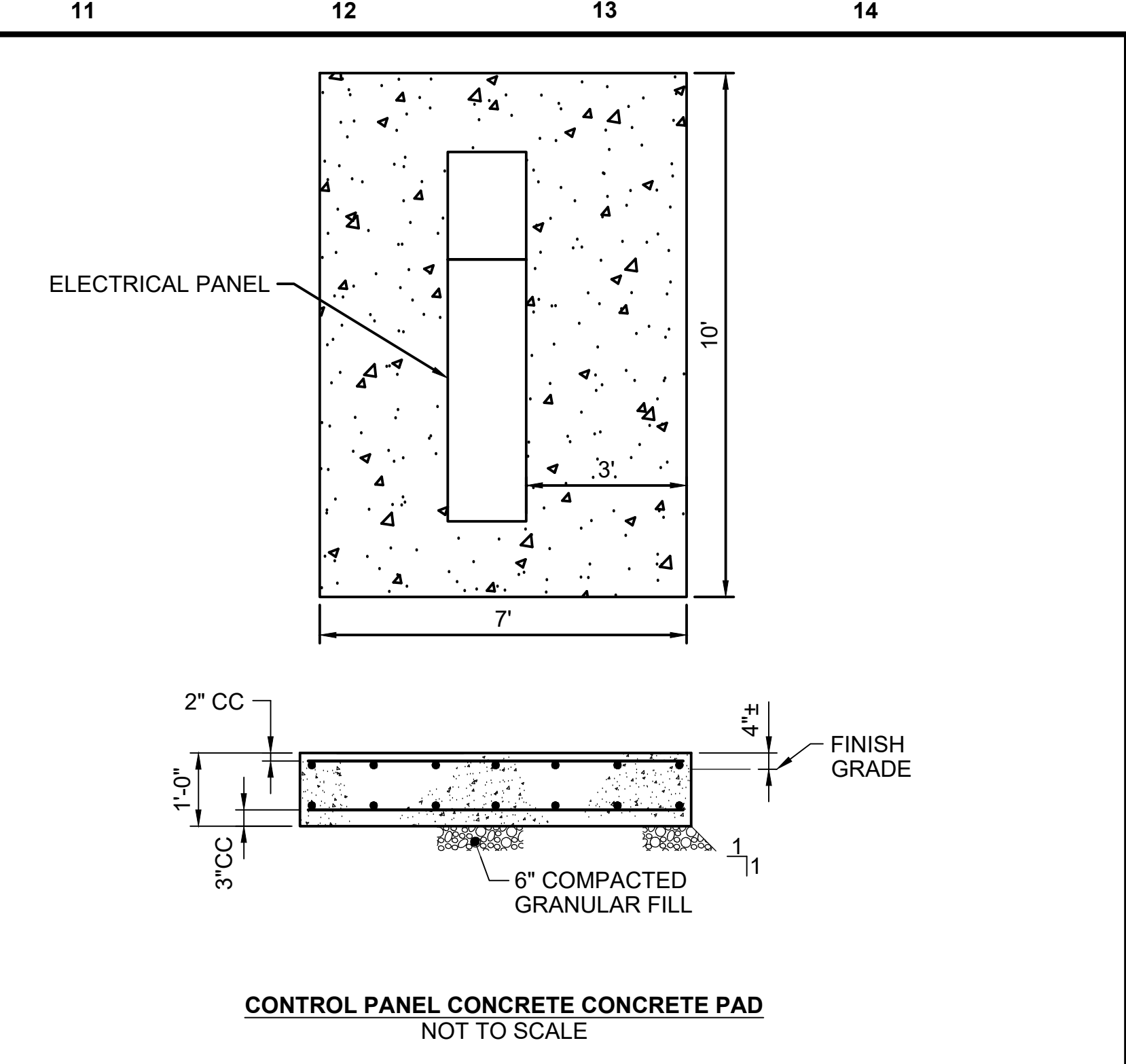


- NOTES:**
- THE MAXIMUM SLOPE OF THE SIDE FLARE FOR TYPE B RAMPS SHALL BE 1:10. HOWEVER, IF THE WIDTH OF THE LANDING AREA BETWEEN THE TOP OF THE RAMP AND AN OBSTRUCTION IS LESS THAN 4'-0" THEN THE MAXIMUM SLOPE SHALL BE 1:12.
 - ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNIT OF HORIZONTAL DISPLACEMENT (V:H).

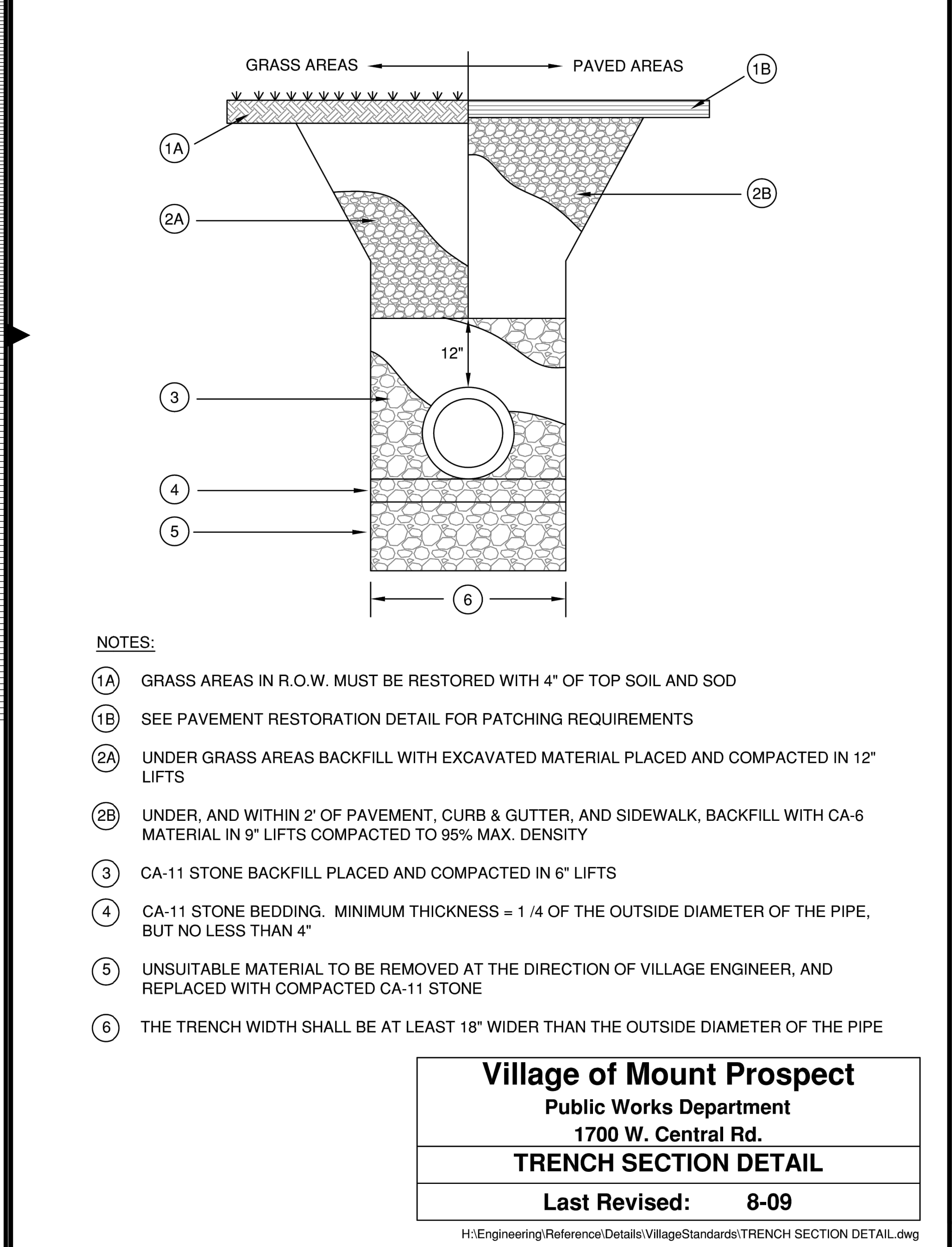
* IF STANDARD 6" CURB IS USED, SIDE FLARES WILL BE 5' IN WIDTH AND RAMP WILL BE 6' IN DEPTH

Village of Mount Prospect
Public Works Department
1700 W. Central Rd.
ADA RAMP DETAIL
Last Revised: 8-09

H:\Engineering\Reference\Details\VillageStandards\ADA RAMP DETAIL.dwg



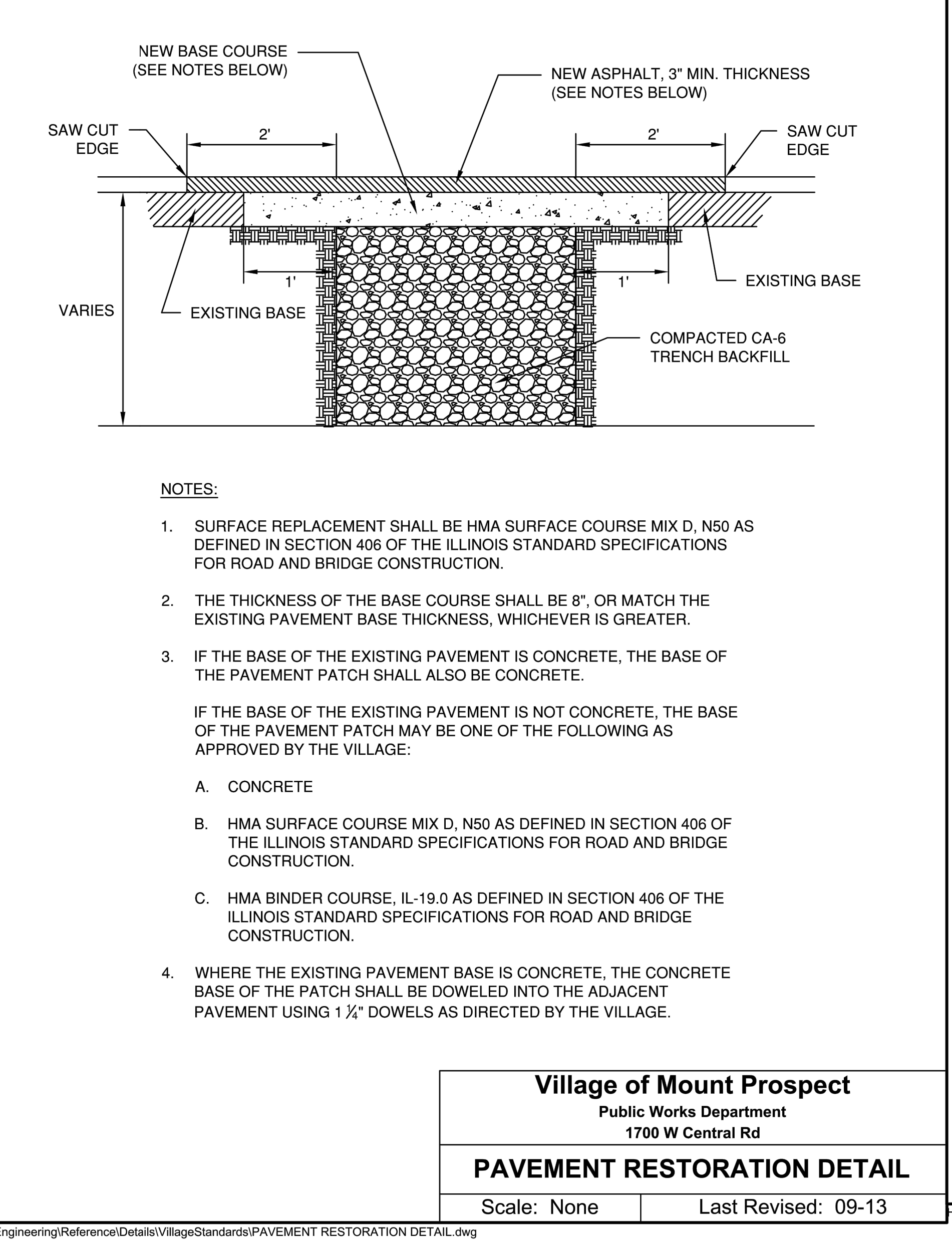
CONTROL PANEL CONCRETE CONCRETE PAD
NOT TO SCALE



- NOTES:**
- GRASS AREAS IN R.O.W. MUST BE RESTORED WITH 4" OF TOP SOIL AND SOD
 - SEE PAVEMENT RESTORATION DETAIL FOR PATCHING REQUIREMENTS
 - UNDER GRASS AREAS BACKFILL WITH EXCAVATED MATERIAL PLACED AND COMPACTED IN 12" LIFTS
 - UNDER, AND WITHIN 2' OF PAVEMENT, CURB & GUTTER, AND SIDEWALK, BACKFILL WITH CA-6 MATERIAL IN 9" LIFTS COMPACTED TO 95% MAX. DENSITY
 - CA-11 STONE BACKFILL PLACED AND COMPACTED IN 6" LIFTS
 - CA-11 STONE BEDDING. MINIMUM THICKNESS = 1/4 OF THE OUTSIDE DIAMETER OF THE PIPE, BUT NO LESS THAN 4"
 - UNSUITABLE MATERIAL TO BE REMOVED AT THE DIRECTION OF VILLAGE ENGINEER, AND REPLACED WITH COMPACTED CA-11 STONE
 - THE TRENCH WIDTH SHALL BE AT LEAST 18" WIDER THAN THE OUTSIDE DIAMETER OF THE PIPE

Village of Mount Prospect
Public Works Department
1700 W. Central Rd.
TRENCH SECTION DETAIL
Last Revised: 8-09

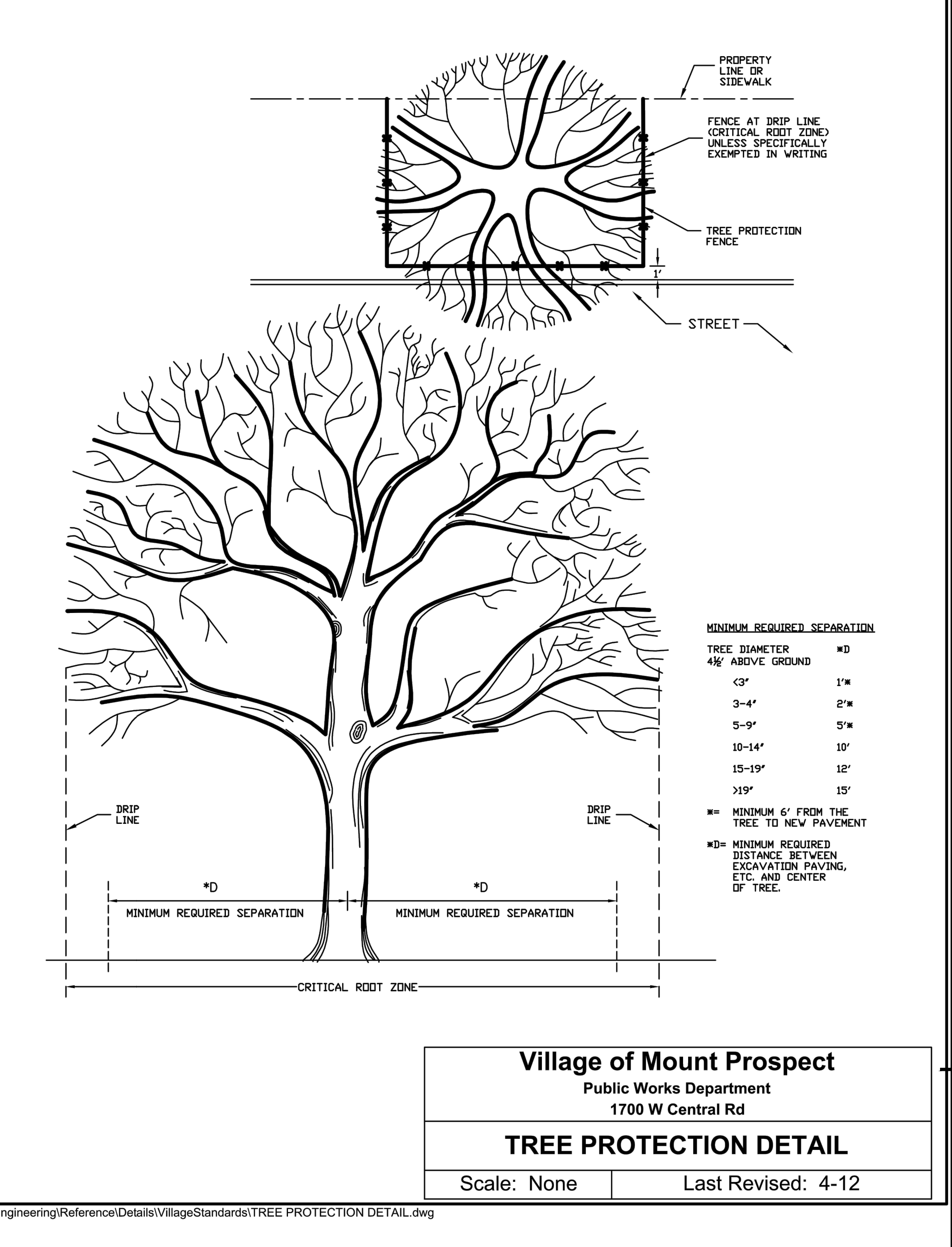
H:\Engineering\Reference\Details\VillageStandards\TRENCH SECTION DETAIL.dwg



- NOTES:**
- SURFACE REPLACEMENT SHALL BE HMA SURFACE COURSE MIX D, N50 AS DEFINED IN SECTION 406 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
 - THE THICKNESS OF THE BASE COURSE SHALL BE 8", OR MATCH THE EXISTING PAVEMENT BASE THICKNESS, WHICHEVER IS GREATER.
 - IF THE BASE OF THE EXISTING PAVEMENT IS CONCRETE, THE BASE OF THE PAVEMENT PATCH SHALL ALSO BE CONCRETE.
 IF THE BASE OF THE EXISTING PAVEMENT IS NOT CONCRETE, THE BASE OF THE PAVEMENT PATCH MAY BE ONE OF THE FOLLOWING AS APPROVED BY THE VILLAGE:
 A. CONCRETE
 B. HMA SURFACE COURSE MIX D, N50 AS DEFINED IN SECTION 406 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
 C. HMA BINDER COURSE, IL-19.0 AS DEFINED IN SECTION 406 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
 - WHERE THE EXISTING PAVEMENT BASE IS CONCRETE, THE CONCRETE BASE OF THE PATCH SHALL BE DOWELED INTO THE ADJACENT PAVEMENT USING 1 1/2" DOWELS AS DIRECTED BY THE VILLAGE.

Village of Mount Prospect
Public Works Department
1700 W Central Rd
PAVEMENT RESTORATION DETAIL
Scale: None **Last Revised: 09-13**

H:\Engineering\Reference\Details\VillageStandards\PAVEMENT RESTORATION DETAIL.dwg



Village of Mount Prospect
Public Works Department
1700 W Central Rd
TREE PROTECTION DETAIL
Scale: None **Last Revised: 4-12**

H:\Engineering\Reference\Details\VillageStandards\TREE PROTECTION DETAIL.dwg

no.	date	by	ckd	description
0	1/10/24	PTN	CJA	ISSUED FOR BID

FOR BID - NOT FOR CONSTRUCTION

BURNS MEDONNELL
 1431 OPUS PLACE SUITE 400
 DOWNERS GROVE, IL 60515
 630-724-3200
 LICENSEE NO. 184.001310

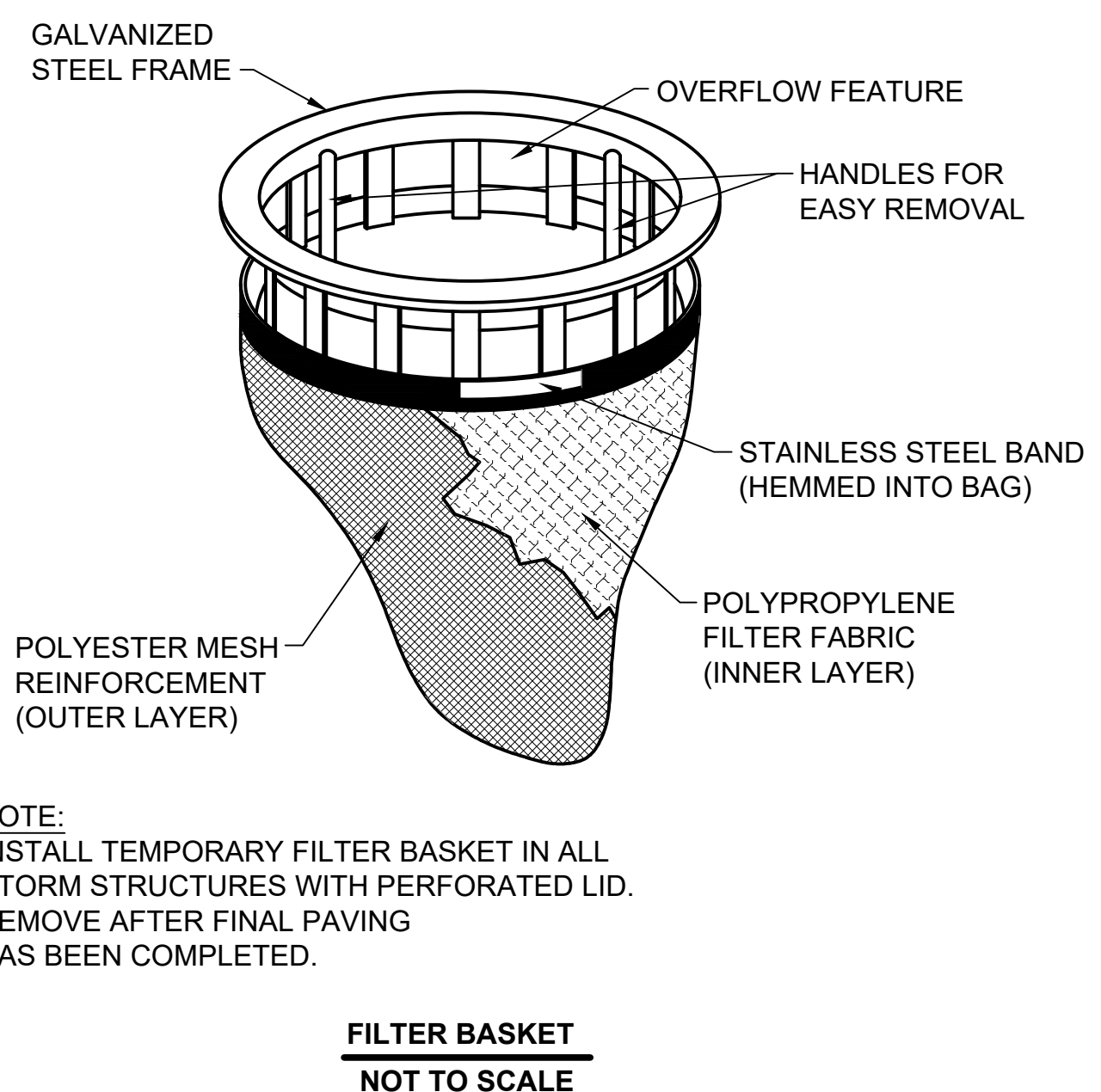
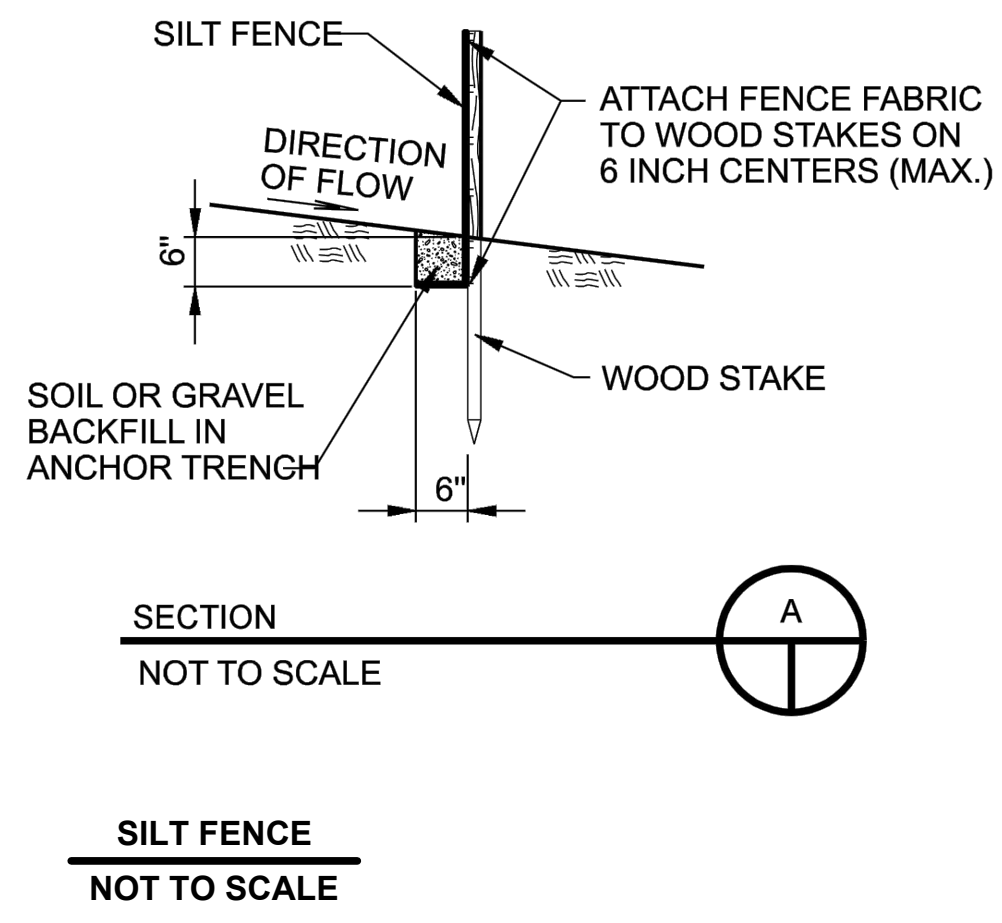
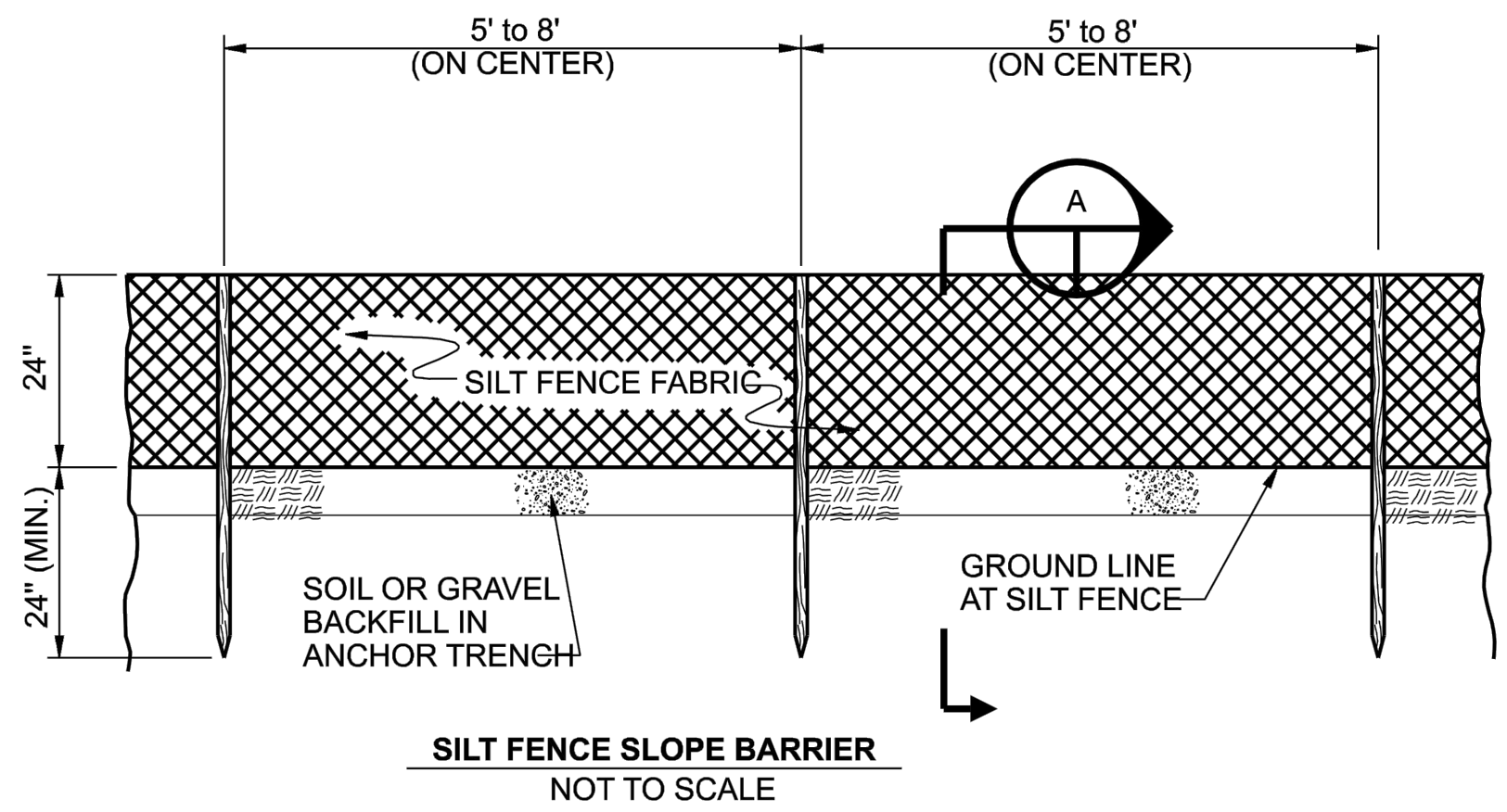
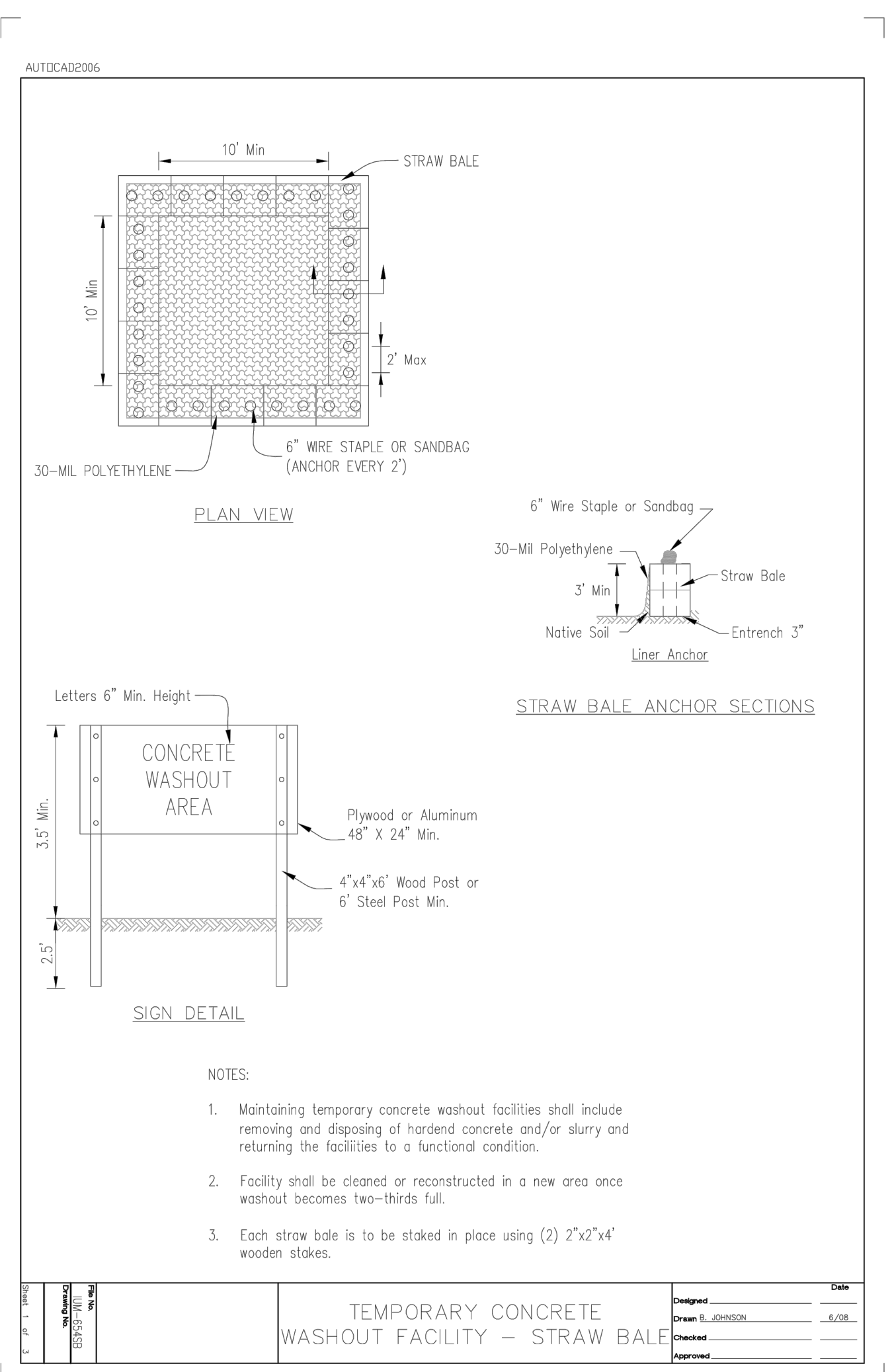
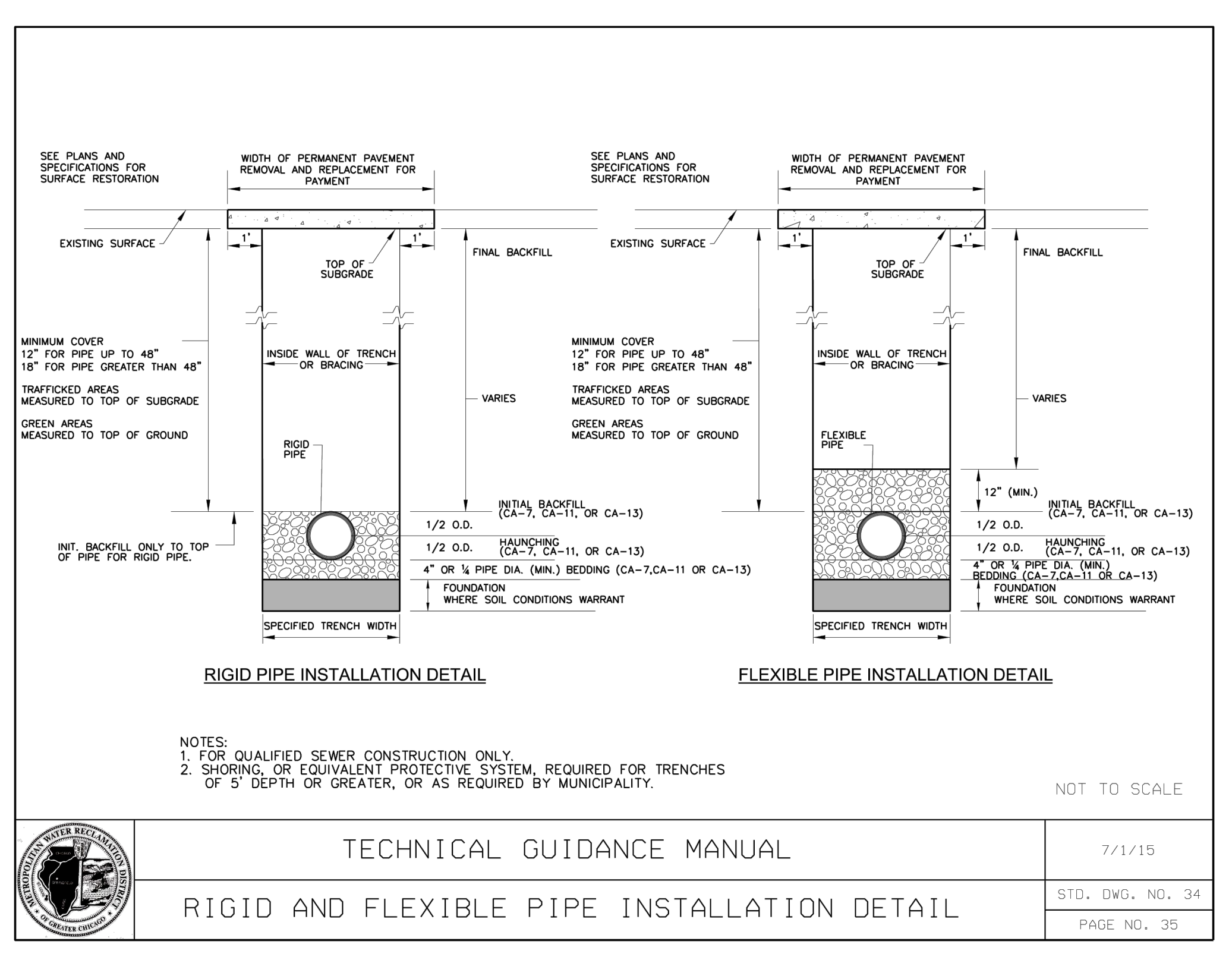
date	JANUARY 2024	detailed	P. NAGLE
designed	C. APKER	checked	P. ST. AUBYN



Cook County, Illinois
MAPLE BERKSHIRE RELIEF STATION REHABILITATION PROJECT
 CIVIL DETAILS

project	contract
drawing	rev.
C101 - 0	
sheet 10 of 13 sheets	file 156625 C101-Civil Details-MapleBerkshire.dwg

no.	date	by	ckd	description
0	1/10/24	PTN	CJA	ISSUED FOR BID



FOR BID - NOT FOR CONSTRUCTION

BURNS MEDONNELL
 1431 OPUS PLACE SUITE 400
 DOWNERS GROVE, IL 60515
 630-724-3200
 LICENSEE NO. 184.001310

date	JANUARY 2024	detailed	P. NAGLE
designed	C. APKER	checked	P. ST. AUBYN



Cook County, Illinois

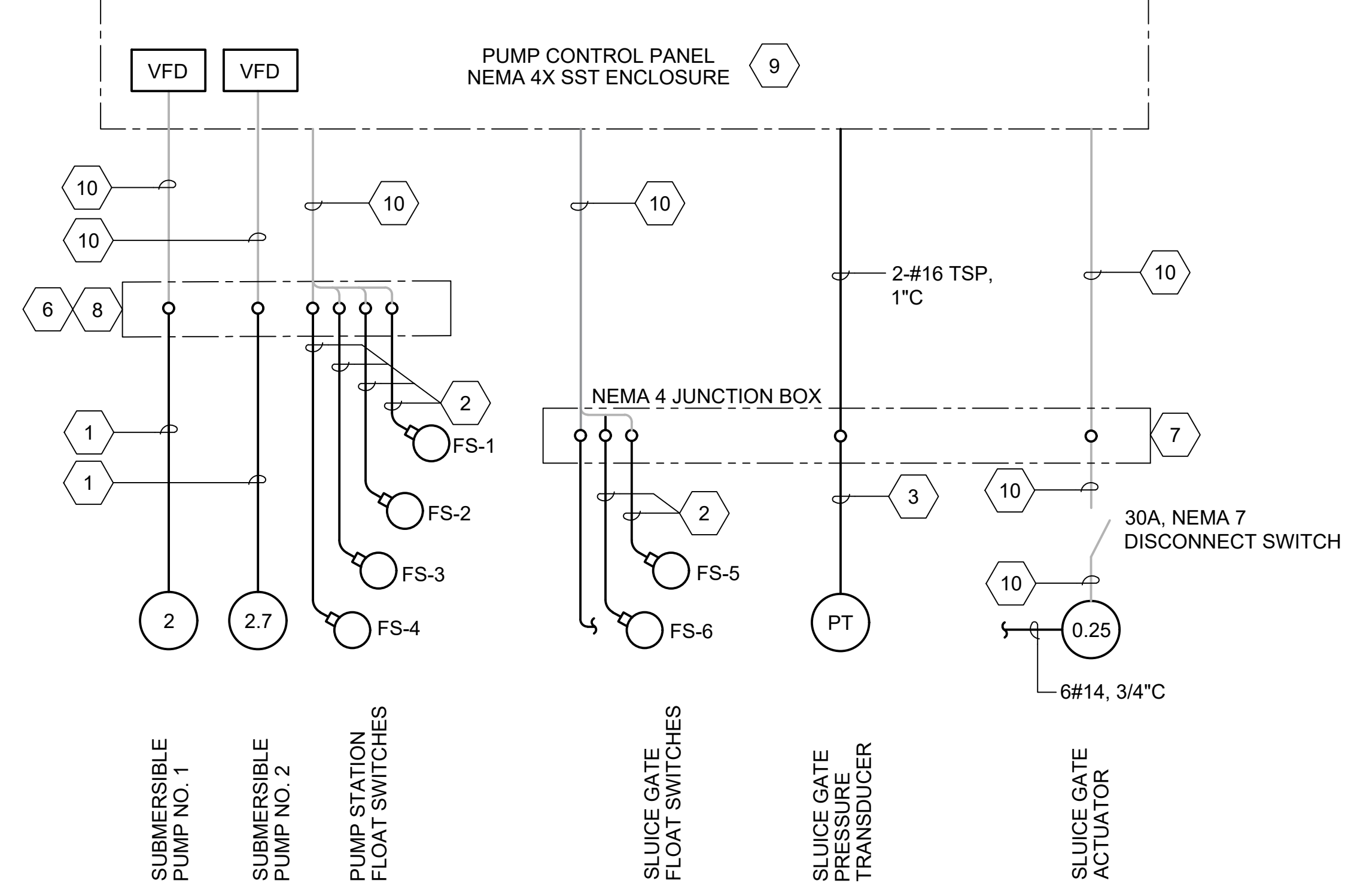
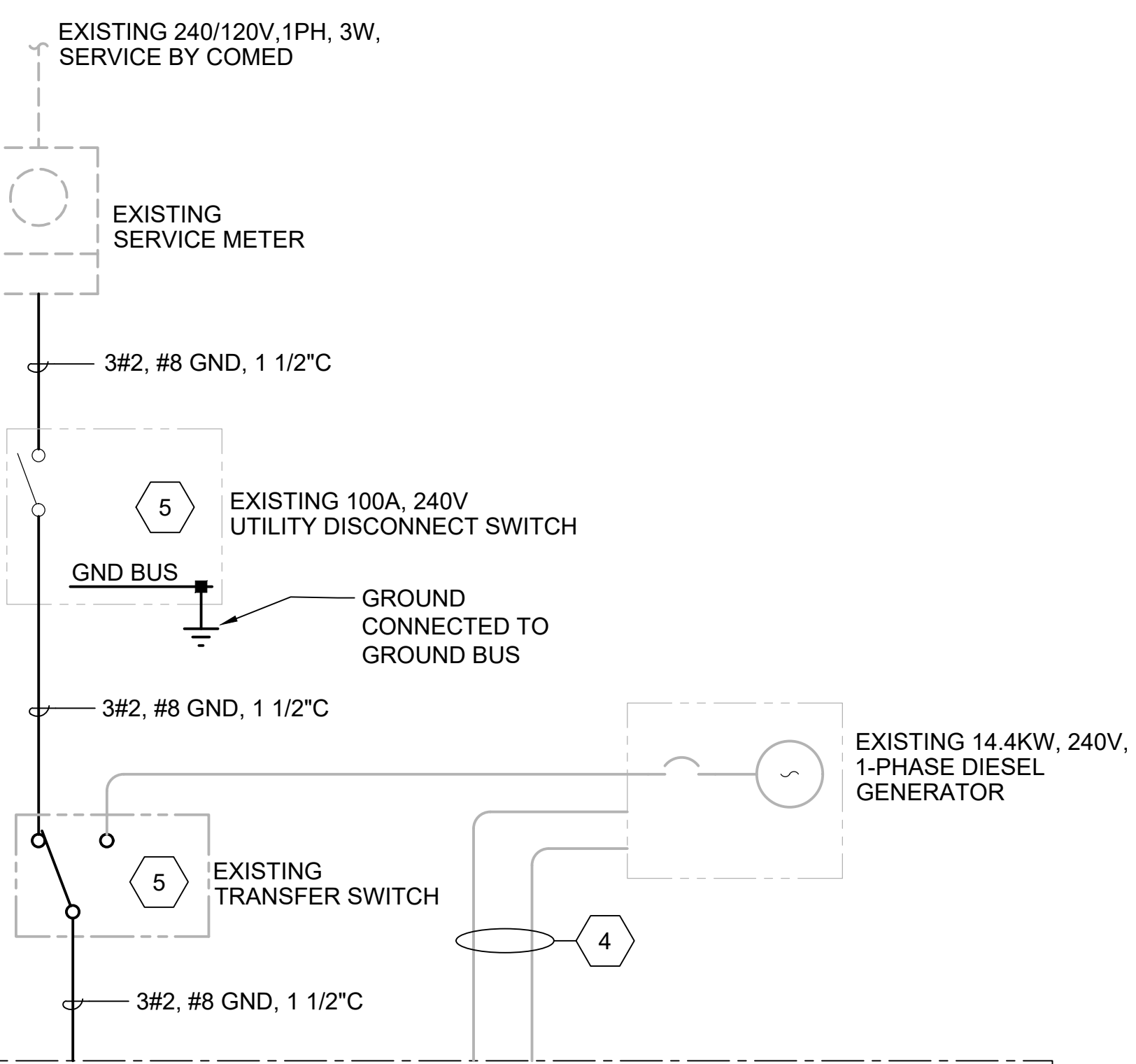
MAPLE BERKSHIRE RELIEF STATION REHABILITATION PROJECT
 CIVIL DETAILS

project	contract
drawing	rev.

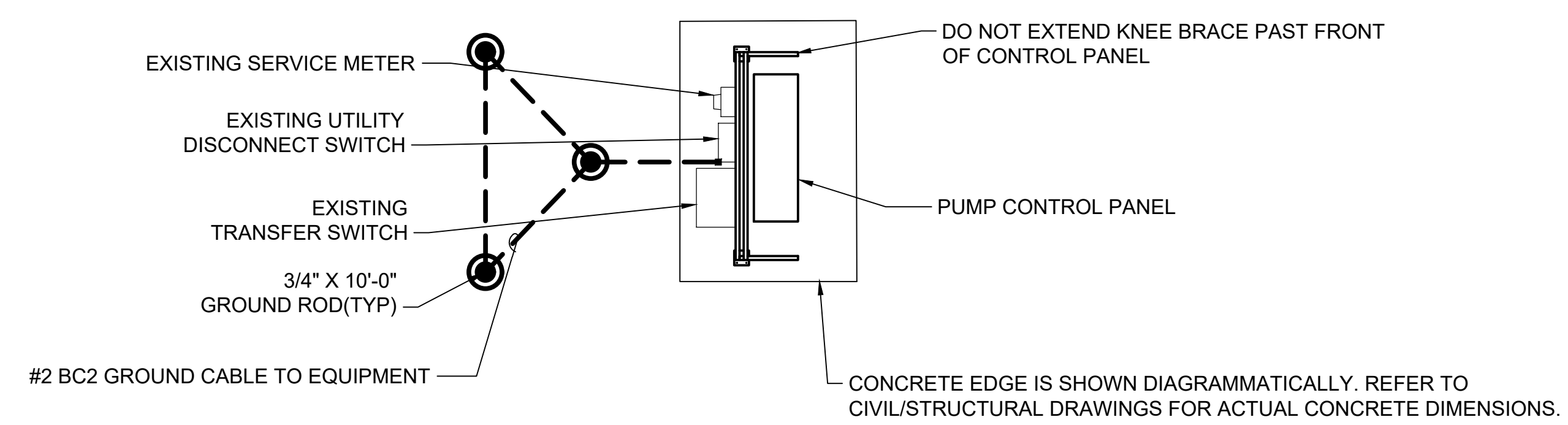
C102 - 0

sheet 11 of 13 sheets
 file 156625_C101-Civil Details-MapleBerkshire.dwg

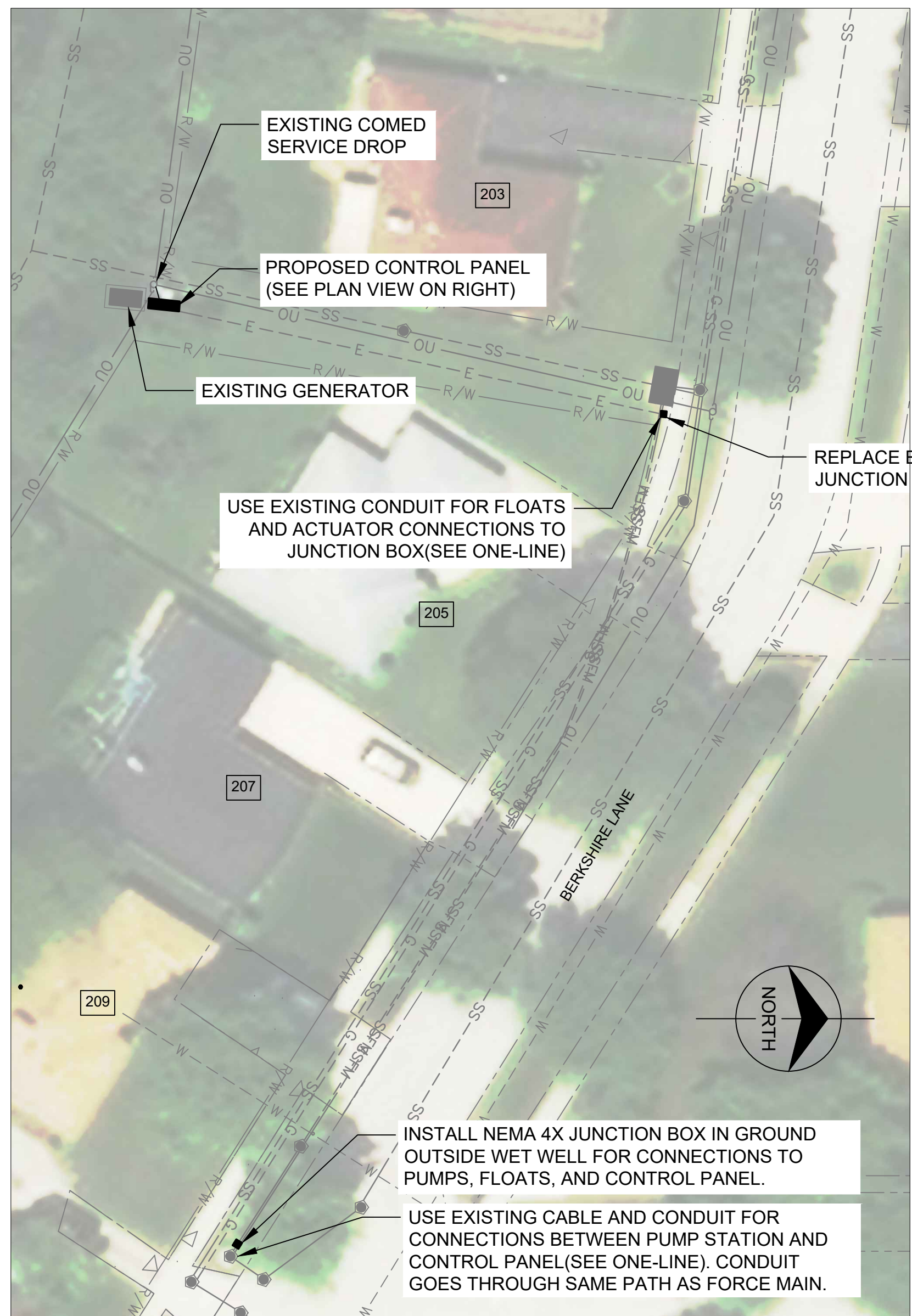
Scale For Microfitting
 Millimeters
 Inches



LIFT STATION ONE-LINE DIAGRAM



LIFT STATION ELECTRICAL PLAN
SCALE: NTS



ELECTRICAL SITE PLAN

- GENERAL NOTES:**
1. THE WET WELL AND JUNCTION STRUCTURE ARE CLASS 1, DIVISION 1 GROUP D HAZARDOUS ENVIRONMENTS PER NFPA 820. ELECTRICAL INSTALLATION SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE (NEC).
 2. COORDINATE WITH COMED FOR DISCONNECTION OF EXISTING ELECTRICAL SERVICE DROP PRIOR TO DEMOLITION. ACQUIRE ACCOUNT NUMBER, METER SERIAL NUMBER, AND SITE ADDRESS FROM OWNER. CONTACT COMED CUSTOMER SERVICE (800-334-7661) AT LEAST FIVE (5) DAYS IN ADVANCE OF DESIRED DISCONNECTION DATE.
 3. COORDINATE RE-CONNECTION OF POWER SERVICE DROP WITH COMED CUSTOMER SERVICE. INSTALLATION OF RELOCATED SERVICE METER SHALL BE PER UTILITY STANDARDS.
 4. RETURN REMOVED ELECTRICAL EQUIPMENT TO OWNER, INCLUDING PLC AND RADIO MODEM.
 5. NEW CONDUIT ENTRANCES INTO ENCLOSURES SHALL BE FROM BOTTOM. CONDUIT CONNECTIONS TO BOX SHALL BE MADE WITH A WEATHERPROOF HUB. PREVIOUS CONDUIT PENETRATIONS SHALL BE SEALED OFF.
 6. CONTRACTOR SHALL COORDINATE CONDUIT PENETRATIONS INTO THE WET WELL WITH THE LIFT STATION MANUFACTURER. CONDUIT SIZES, CONDUIT ENTRANCE LOCATIONS, AND CONDUIT CONNECTIONS THRU SIDE OF WET WELL SHALL BE COORDINATED DURING SUBMITTAL REVIEW. CONDUIT LAYOUT SHALL BE MODIFIED TO REFLECT FINAL LAYOUT OF LIFT STATION.
 7. ALL PENETRATIONS INTO WET WELL AND JUNCTION STRUCTURE WALL SHALL BE PROVIDED WITH A LISTED SEAL FOR USE BETWEEN CLASSIFIED AND UNCLASSIFIED AREAS.

- KEYED NOTES:**
- 1 MANUFACTURER SUPPLIED SUBMERSIBLE PUMP CABLE.
 - 2 MANUFACTURER SUPPLIED FLOAT CABLE.
 - 3 MANUFACTURER SUPPLIED SUBMERSIBLE PRESSURE TRANSDUCER CABLE.
 - 4 EXISTING CONDUIT AND POWER CONDUCTORS TO GENERATOR SHALL BE REUSED FOR EXISTING GENERATOR BLOCK HEATER AND GENERATOR BATTERY CHARGER.
 - 5 EXISTING SERVICE METER, ATS, AND DISCONNECT SWITCH SHALL BE TEMPORARILY SUPPORTED DURING DEMOLITION OF EXISTING PUMP STATION. COORDINATE TEMPORARY SUPPORT AND PROTECTION OF EXISTING SERVICE EQUIPMENT WITH LOCAL UTILITY PRIOR TO THE START OF DEMOLITION.
 - 6 INSTALL NEMA 4X JUNCTION BOX IN GROUND OUTSIDE WET WELL AT EXISTING PENETRATION LOCATION. TERMINAL BOX SHALL BE INSTALLED TO CONNECT MANUFACTURER CABLES TO EXISTING FIELD INSTALLED CABLES FROM THE PUMP CONTROL PANEL. TERMINAL BLOCKS SHALL BE INSTALLED ON SST BACK PANEL. RECONNECT EXISTING CABLES AT THE TERMINAL BLOCKS.
 - 7 INSTALL METALLIC ISOLATION BARRIER IN TERMINATION BOX TO DIVIDE 240V POWER, 120VAC DISCRETE CONTROL AND 24VDC ANALOG CONTROL TERMINAL BLOCKS WITHIN THE ENCLOSURE.
 - 8 INSTALL METALLIC ISOLATION BARRIER IN TERMINATION BOX TO DIVIDE POWER AND CONTROL TERMINAL BLOCKS WITHIN THE ENCLOSURE.
 - 9 REFER TO SPECIFICATION 33 32 00 PRE-FABRICATED LIFT STATION FOR INSTRUCTIONS FOR NEW RADIO ANTENNA TOWER. RADIO AND SCADA SERVICES PROVIDED BY OTHERS.
 - 10 PRIOR TO DEMOLITION, DISCONNECT, ROLL BACK, AND TAPE EXISTING POWER AND CONTROL WIRING AT EXISTING CONDUIT PENETRATIONS IN THE WET WELL AND AT THE EXISTING JUNCTION STRUCTURE AND CAP CONDUIT.

no.	date	by	ckd	description
0	1/10/24	STG	NFG	ISSUED FOR BID

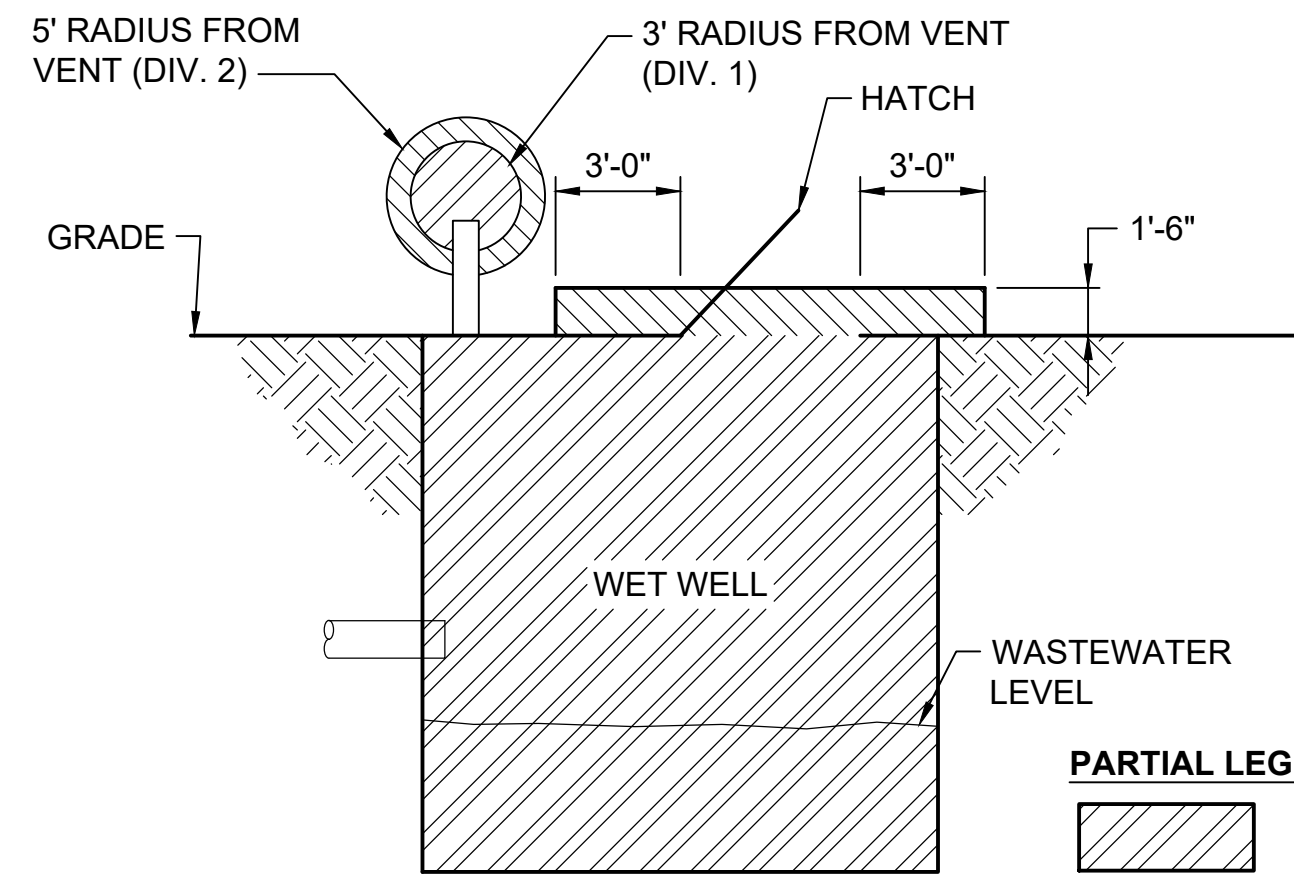
FOR BID - NOT FOR CONSTRUCTION

BURNS MEDONNELL
 1431 OPUS PLACE SUITE 400
 DOWNERS GROVE, IL 60515
 630-724-3200
 LICENSEE NO. 184.001310

date	JANUARY 2024	detailed	S. GILLIAM
designed	S. GILLIAM	checked	N. GUNJA



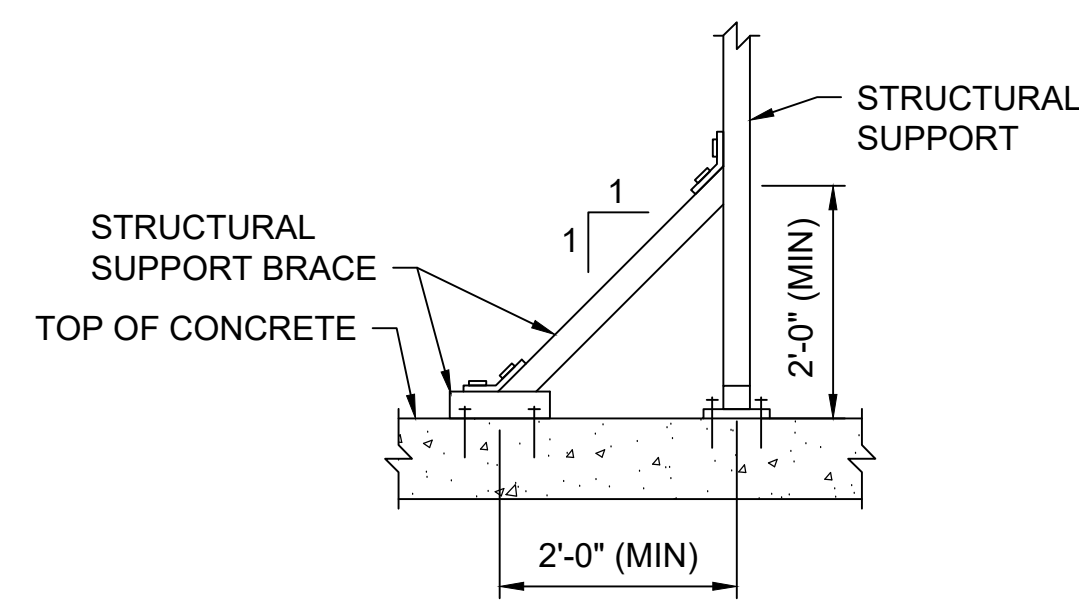
Cook County, Illinois	
MAPLE BERKSHIRE RELIEF STATION REHABILITATION PROJECT	
LIFT STATION ONE-LINE DIAGRAM AND ELECTRICAL PLAN	
project	contract
156625	
drawing	rev.
E001	0
sheet 12 of 13 sheets	file 156625_E001.dwg



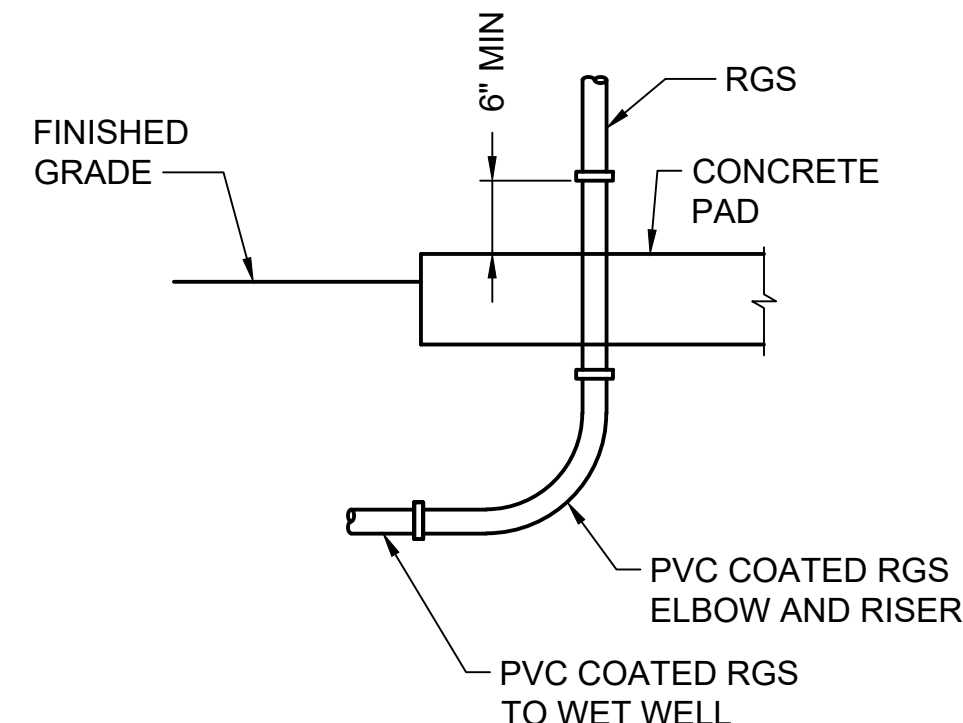
TYPICAL BELOW GRADE WET WELL OR BASIN CLASSIFIED ENVELOPE
NOT TO SCALE

PARTIAL LEGEND

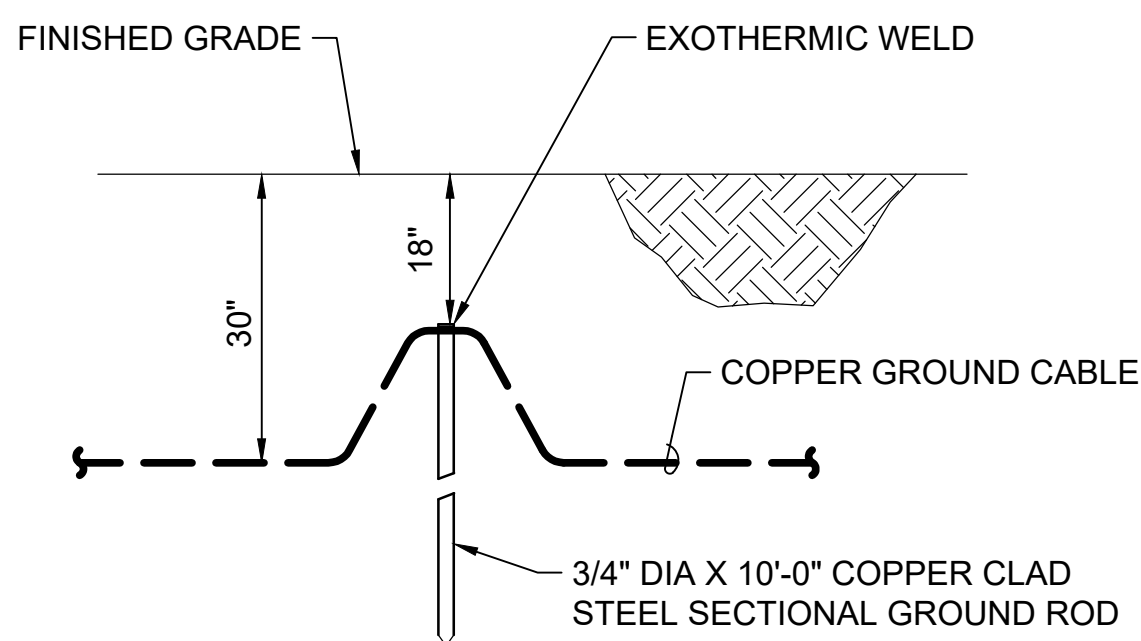
	CLASS 1, DIVISION 1
	CLASS 1, DIVISION 2



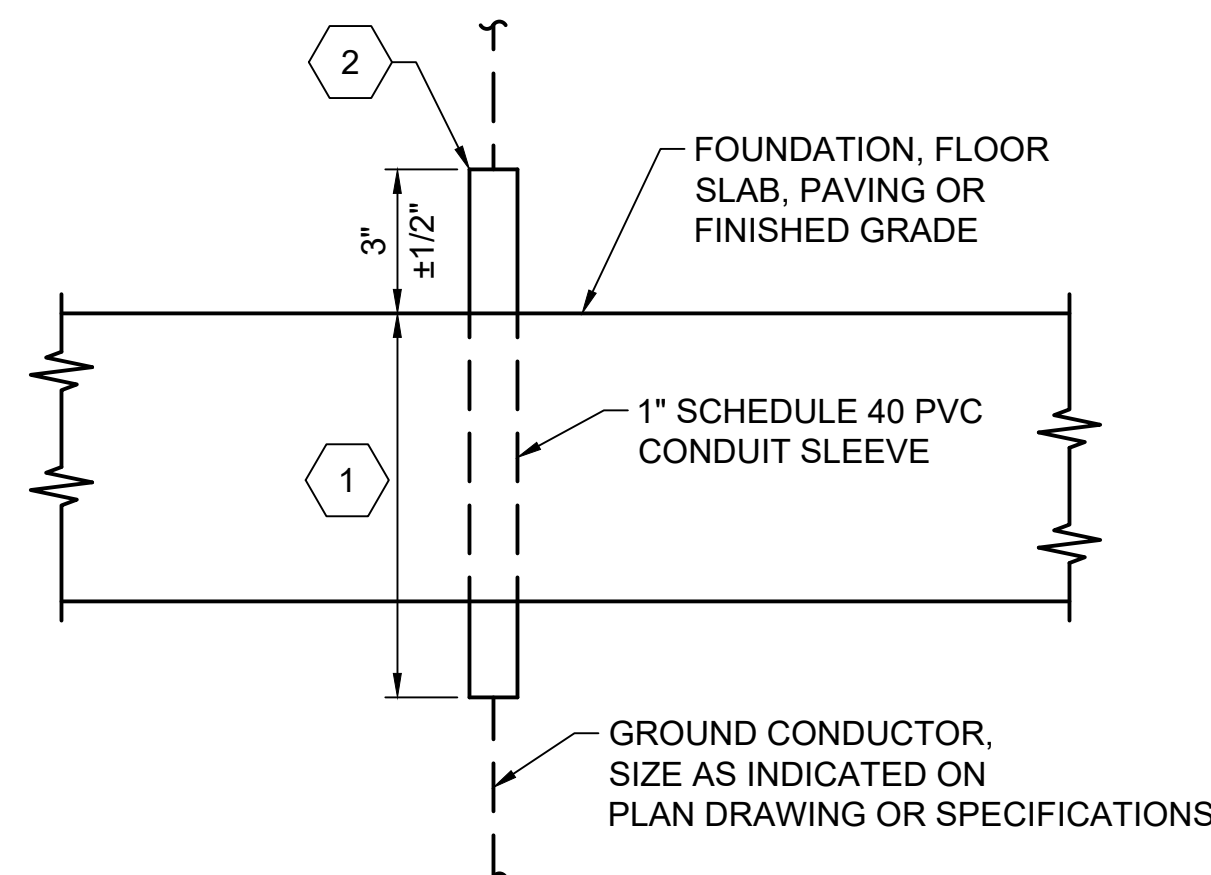
RACK SUPPORT BRACING DETAIL
NOT TO SCALE



TYPICAL EXTERIOR STUB-UP DETAIL (FOR USE IN UNCLASSIFIED AREAS)
NOT TO SCALE

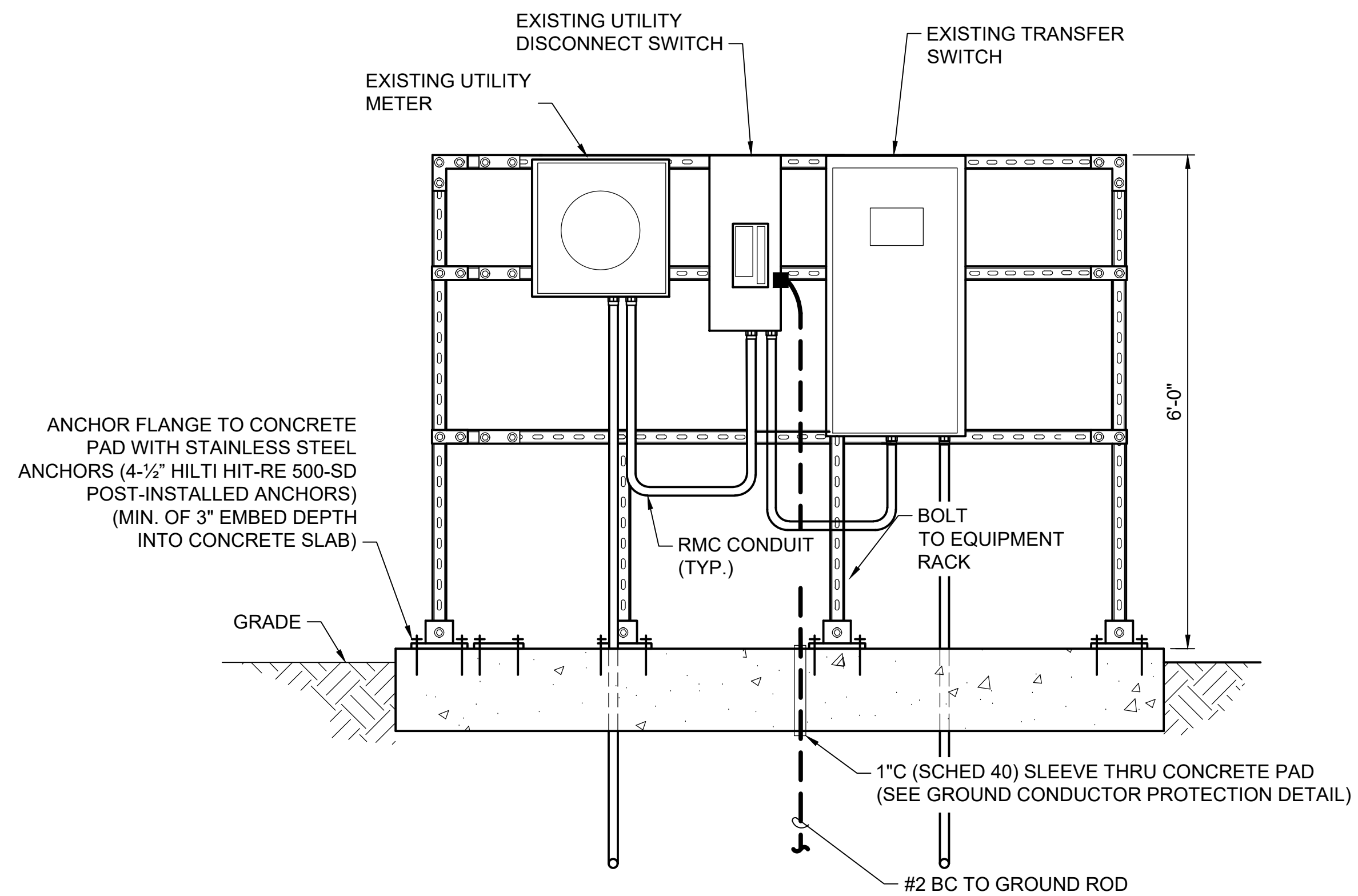


TYPICAL GROUNDING INSTALLATION DETAIL
NOT TO SCALE



- KEYED NOTES:**
- 8" MINIMUM FOR CONCRETE SLAB, FOUNDATION OR PAVING, EXTEND SLEEVE 2" BELOW CONCRETE OR PAVING.
 - FILL SLEEVE WITH RTV COMPOUND AND CAULK WITH TWO COMPONENT POLYSULFIDE SYSTEM SEALANT PER SPECIFICATION SECTION 033000 - CONCRETE.

GROUND CONDUCTOR PROTECTION
NOT TO SCALE



TYPICAL UNISTRUT RACK-MOUNTED EQUIPMENT INSTALLATION DETAIL
NOT TO SCALE

- GENERAL NOTES:**
- DETAILS ARE FOR EXAMPLE PURPOSES ONLY. INSTALL EQUIPMENT ON RACKS PER PROJECT REQUIREMENTS. QUANTITY OF CONDUITS SHOWN IS DIAGRAMMATIC ONLY. REFER TO ONE-LINE FOR ACTUAL NUMBER OF CONDUITS REQUIRED.

no.	date	by	ckd	description
0	1/10/24	STG	NFG	ISSUED FOR BID

FOR BID - NOT FOR CONSTRUCTION



1431 OPIUS PLACE SUITE 400
DOWNERS GROVE, IL 60515
630-724-3200
LICENSEE NO. 184.001310

date	JANUARY 2024	detailed	S. GILLIAM
designed	S. GILLIAM	checked	N. GUNJA



Cook County, Illinois

MAPLE BERKSHIRE RELIEF STATION REHABILITATION PROJECT

LIFT STATION ELECTRICAL DETAILS

project	156625	contract	
---------	--------	----------	--

drawing	E002	rev.	0
---------	-------------	------	----------

sheet 13	of 13	sheets
file 156625_E001.dwg		