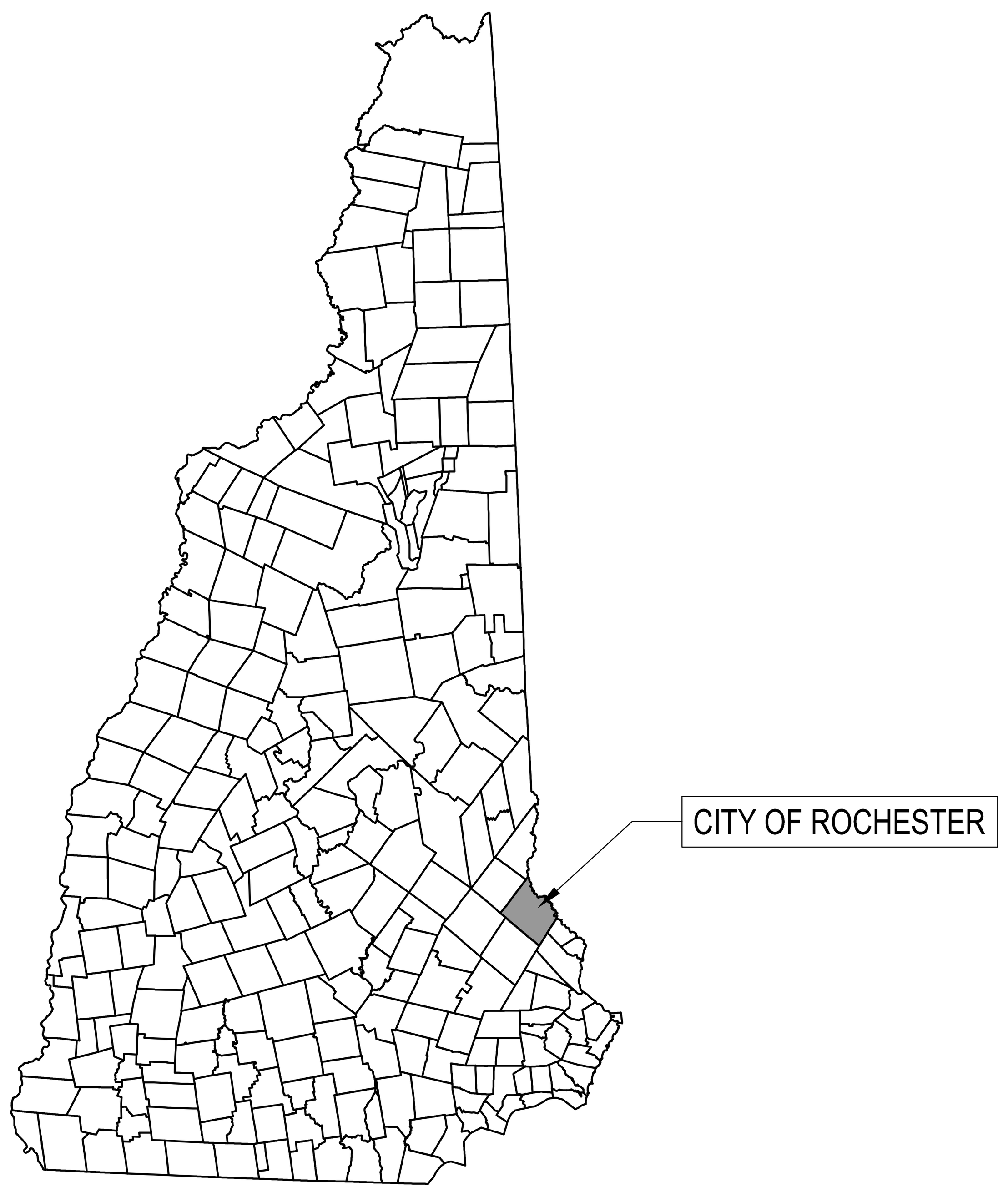
CITY OF ROCHESTER, NEW HAMPSHIRE

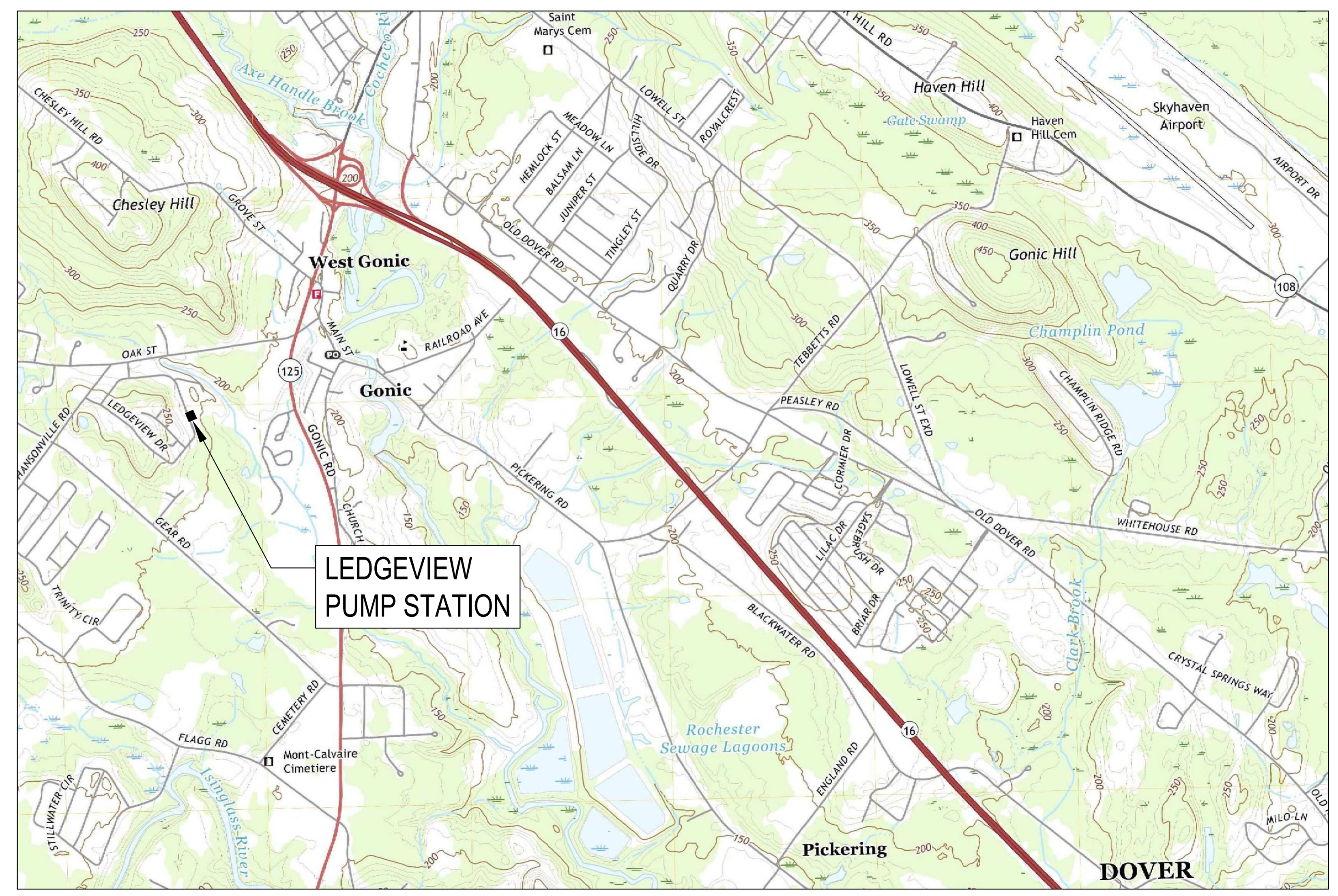
LEDGEVIEW SEWER PUMP STATION UPGRADE

54A LEDGEVIEW DRIVE, ROCHESTER, NEW HAMPSHIRE, 03868

CLEAN WATER STATE REVOLVING FUND: CS-334122-21
CITY OF ROCHESTER: RFP 24 - 39

Weston & Sampson Engineers, Inc.
100 International Drive, Suite 152
Portsmouth, NH 03801
978.532.1900 800.SAMPSON
www.westonandsampson.com





LOCATION MAP

SCALE: 1" = 2,000'

DRAWING INDEX

AERIAL MAP

NOT TO SCALE

SEAL

NOT TO SCALE

Seal:

STATE OF NEW HAMPSHIRE
CHRISTOPHER M. PERKINS
No. 12004
LICENSED
PROFESSIONAL ENGINEER

Issued Date:

4/24/2024

Know what's below.
Call before you dig.

Issued For:

ISSUED FOR BIDDING

LEGEND

DESCRIPTION	EXISTING	PROPOSED
SANITARY SEWER	S	8"S PVC
FORCE MAIN	FM	6"SFM
WATER MAIN	W	6"W DI
TEMPORARY WATER		6"W
STORM DRAIN	D	12"D RCP
GAS	G	6"G PL
ELECTRIC	E	E
UNDERGROUND ELECTRIC	UGE	UGE
TELEPHONE	T	T
GRINDER PUMP		GP
SANITARY SEWER MANHOLE		SMH
STORM DRAIN MANHOLE		SDMH
ELECTRICAL MANHOLE		EMH
TELEPHONE MANHOLE		TMH
AIR RELEASE VALVE MANHOLE		ARMH
FORCE MAIN CLEANOUT MANHOLE		FMCO
CLEANOUT		CO
CATCH BASIN		CB
CATCH BASIN (CURB INLET)		
HYDRANT		
TEMPORARY HYDRANT		
GATE VALVE		
CHECK VALVE		
CURB STOP		
BUTTERFLY VALVE		
BALL VALVE		
REDUCER		
CAP OR PLUG		
GAS GATE VALVE	GV	
UTILITY POLE		
GUY POLE		
LIGHT POST		
EDGE OF PAVEMENT	EOP	EOP
EDGE OF UNPAVED ROAD		
CURB	CURB	CURB
SIDEWALK		
RAILROAD		
STONE WALL		
RETAINING WALL	RET WALL	RET WALL
FENCE		
INDIVIDUAL DECIDUOUS TREE		
INDIVIDUAL EVERGREEN TREE		
TREE LINE		
SURVEY MARKER		
PROPERTY LINE		
EASEMENT LINE		
LIMIT OF WORK		
APPROX. LIMIT OF REFUSE		
SPOT ELEVATIONS	× 141.5	× 141.5
CONTOUR LINES	56	56
DEPRESSION CONTOUR LINES		
HOUSE NUMBER	#35	
FLOOR ELEVATION	FL=56.7	
SILL ELEVATION	S=56.7	
WETLAND		
WETLAND FLAGS		1 2
RIP RAP		
STATE HIGHWAY STATION		
SURFACE MOUNTED DELINEATOR		
GUARD POST		
BOLLARD	B	B
SIGN		
BENCH MARK		
AUGER	A-1	A-1
PERCOLATION TEST	PT 1	PT-1
TEST PIT	TP 1	TP-1
BORING	B-10	B-11
PROBE	P-10	P-11
GROUNDWATER MONITORING WELL	WS-1	WS-1
GAS MONITORING WELL	GMW-10	GMW-10
GAS VENT	GV	GV
HAY BALES		
ROCK OUTCROP		
DRAINAGE DITCH / SWALE		

NOTE: ITEMS SHOWN IN THE LEGEND MAY NOT BE PRESENT IN THESE PLANS

ABBREVIATIONS

AC	ASBESTOS CEMENT PIPE
ACCMP	ASPHALT COATED CORRUGATED METAL PIPE
ARV	AIR RELEASE VALVE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BC	BITUMINOUS CONCRETE
BIT	BITUMINOUS
BLDG	BUILDING
BM	BENCH MARK
BO	BLOW OFF
BV	BUTTERFLY VALVE
CATV	CABLE TELEVISION
CB	CATCH BASIN
CC	CONCRETE CURB
CI	CAST IRON
℄	CENTERLINE
CL	CEMENT LINED
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
CU FT	CUBIC FEET
CY	CUBIC YARD
D	STORM DRAIN, DEPTH FROM RIM TO INVERT
DI	DROP INLET, DUCTILE IRON
DIA	DIAMETER
DMH	DRAIN MANHOLE
DWG	DRAWING
E	EAST, ELECTRIC
EA	EACH
EF	EACH FACE
EL	ELEVATION
ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
EW	EACH WAY
EXIST	EXISTING
FLG	FLANGE
FRP	FIBERGLASS REINFORCED PLASTIC
FT	FEET, FOOT
G	NATURAL GAS
GALV	GALVANIZED
GC	GRANITE CURB
GR	GRANITE
HC	HOUSE CONNECTION
HORIZ	HORIZONTAL
HP	HIGH PRESSURE
HYD	FIRE HYDRANT
I	INVERT
INV	INVERT
ID	INSIDE DIAMETER
IP	IRON PIPE
LB	POUND
LF	LINEAR FEET
LS	LUMP SUM
MAX	MAXIMUM
MB	MAIL BOX
MECH	MECHANICAL
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
N	NORTH
NE	NORTH EAST
NHDES	NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES
NHDOT	NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
NW	NORTH WEST
NF	NOT FOUND
NO OR #	NUMBER
OD	OUTSIDE DIAMETER
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE
PE	PLAIN END, POLYETHYLENE
⅊	PROPERTY LINE
PL	PLATE
PS	PUMP STATION
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT-OF-WAY
RQD	ROCK QUALITY
S	SEWER, SOUTH
SE	SOUTH EAST
SECT	SECTION
SF	SQUARE FEET
SHT	SHEET
SPEC	SPECIFICATIONS
SQ FT	SQUARE FEET
SS	SEWER SERVICE, STAINLESS STEEL
STA	STATION
STL	STEEL
SW	SIDEWALK, SOUTH WEST
T	HYDROSTATIC THRUST, TELEPHONE
TBM	TEMPORARY BENCH MARK
THK	THICK (NESS)
TYP	TYPICAL
UP	UTILITY POLE
VC	VITRIFIED CLAY
VERT	VERTICAL
W	WATER, WEST
W/	WITH
W/O	WITHOUT

GENERAL CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL CALL DIGSAFE AT 811 OR 1-888-344-7233 AT LEAST 72 HOURS, SATURDAYS, SUNDAYS, AND HOLIDAYS EXCLUDED, PRIOR TO EXCAVATING AT ANY LOCATION. A COPY OF THE DIGSAFE PROJECT REFERENCE NUMBER(S) SHALL BE GIVEN TO THE OWNER PRIOR TO EXCAVATION.
2. LOCATIONS OF EXISTING PIPES, CONDUITS, UTILITIES, FOUNDATIONS AND OTHER UNDERGROUND OBJECTS WERE OBTAINED FROM THE BEST AVAILABLE RECORDS AND ARE NOT WARRANTED TO BE CORRECT. THE CONTRACTOR SHALL HAVE NO CLAIM ON THAT ACCOUNT SHOULD THEY BE OTHER THAN SHOWN.
3. LOCATIONS OF EXISTING UTILITY AND PROPERTY LINE INFORMATION, EDGE OF PAVEMENT, UTILITY POLE LOCATIONS, CONSTRUCTION EASEMENT, AND PERMANENT EASEMENT WERE OBTAINED BY INFORMATION PROVIDED BY THE OWNER.
4. ASSESSORS INFORMATION REPRESENTED ON THESE DRAWINGS IS INCLUDED FOR ILLUSTRATIVE PURPOSES ONLY. ASSESSORS INFORMATION IS NOT INTENDED TO BE AN AUTHORITATIVE RECORD OF PROPERTY BOUNDARIES OR A SOURCE OF INFORMATION FOR AN ACTUAL SURVEY OR LEGAL DESCRIPTION OF THE PROPERTY. NO WORK HAS BEEN PERFORMED TO DETERMINE THE DEPICTED PROPERTY LINES AND THEREFORE, THESE DRAWINGS ARE NOT INTENDED BE USED TO DELINEATE ANY EXISTING OR PROPOSED STRUCTURES, FEATURES OR BOUNDARIES RELATIVE TO PROPERTY LINES. AUTHORITATIVE RECORDS OF PROPERTY LINES MAY BE LOCATED AT THE STATE OR MUNICIPAL AGENCY RESPONSIBLE FOR MAINTAINING PUBLIC RECORDS IN WHICH THE PARCEL IS LOCATED. LEGALLY AUTHORITATIVE MAPS OF PROPERTY LINES MAY ONLY BE PRODUCED BY A PROFESSIONAL LAND SURVEYOR.
5. CONTRACTOR SHALL HIRE INDEPENDENT UTILITY LOCATOR TO VERIFY LOCATION OF ALL UTILITIES WITHIN THE PROPOSED CONSTRUCTION EASEMENT PRIOR TO CONSTRUCTION.
6. TEST PITS TO LOCATE EXISTING UTILITIES MAY BE ORDERED BY THE ENGINEER.
7. CONTRACTOR SHALL SECURE THE SITE WITH TEMPORARY CHAIN LINK FENCE. ALL OPEN EXCAVATIONS SHALL BE SECURED WITH TEMPORARY BARRICADES AND ORANGE SAFETY FENCE AT END OF EACH WORK DAY. OWNER SHALL NOT BE LIABLE FOR THEFT OR DAMAGE TO CONTRACTOR'S STORED MATERIALS OR EQUIPMENT.
8. STONE WALLS, FENCES, MAIL BOXES, SIGNS, CURBS, LIGHT POLES, ETC. SHALL BE REMOVED AND REPLACED AS NECESSARY TO PERFORM THE WORK. UNLESS OTHERWISE INDICATED, ALL SUCH WORK SHALL BE INCIDENTAL TO CONSTRUCTION OF THE PROJECT.
9. ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND PAYMENT LIMITS SHALL BE RESTORED AT NO ADDITIONAL COST TO THE OWNER.
10. THE CONTRACTOR SHALL NOT STORE ANY APPARATUS, MATERIALS, SUPPLIES, OR EQUIPMENT ON DRAINAGE STRUCTURES OR WITHIN 100 FEET OF WETLANDS.
11. THE CONTRACTOR SHALL MAINTAIN LOCAL TRAFFIC ACCESS TO ALL STREETS THROUGHOUT THE DURATION OF THE PROJECT.
12. CONTRACTOR SHALL MAINTAIN EXISTING FLOWS IN THE SYSTEM, BYPASSING AS NECESSARY TO PREVENT SURCHARGING, AT NO ADDITIONAL COST TO THE OWNER, AS APPROVED BY THE ENGINEER. SEE SECTION 01 14 19.13 TEMPORARY BYPASS PUMPING SYSTEM AND SECTION 01 14 19.22 HANDLING EXISTING FLOWS.
13. THE CONTRACTOR SHALL NOT TRACK OR SPILL EARTH, DEBRIS, OR OTHER CONSTRUCTION MATERIAL ON PUBLIC OR PRIVATE STREETS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE ASSOCIATED CLEAN UP.
14. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL DEBRIS AND EXCESS EXCAVATED MATERIAL FROM WITHIN THE CONSTRUCTION LIMIT OF WORK TO A SUITABLE SITE PROVIDED BY THE CONTRACTOR, IN COMPLIANCE WITH ALL STATE AND CITY REGULATIONS.
15. ALL AREAS THAT ARE EXCAVATED, FILLED, OR OTHERWISE DISTURBED BY THE CONTRACTOR SHALL BE LOAMED, GRADED, LIMED, FERTILIZED, SEEDED, AND MULCHED, UNLESS OTHERWISE NOTED. THE TOP SIX INCHES OF SOIL SHALL BE LOAM. THE CONTRACTOR SHALL GRADE TO MEET EXISTING CONDITIONS.
16. ALL PAVEMENT DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN ACCORDANCE WITH THE SPECIFICATIONS AND AS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL MATCH EXISTING GRADES TO THE EXTENT POSSIBLE WHERE EXISTING PAVEMENT IS REMOVED AND REPLACED.
17. IN PAVED AREAS THE TOPS OF THE MANHOLE COVERS SHALL BE SET FLUSH WITH THE PAVED SURFACE.
18. ALL PENETRATIONS, PIPES AND CONDUITS INTO THE WETWELL SHALL HAVE GASKETS/FITTINGS ON BOTH ENDS TO MAKE EXPLOSION PROOF AND GAS AND WATER TIGHT.
19. ALL WALL SLEEVES AND WALL CASTINGS SHALL HAVE WATERSTOPS. SEE MECHANICAL DRAWINGS FOR LOCATIONS OF PENETRATIONS.
20. A MINIMUM OF 5 FEET OF COVER OR 2 INCHES OF CELLULAR GLASS INSULATION REQUIRED ON ALL LIQUID CARRYING PIPES.
21. REFER TO SPECIFICATION SECTION 31 00 00 AND CIVIL DETAILS FOR PIPE AND STRUCTURE BEDDING, COMPACTION, AND BACKFILL REQUIREMENTS.
22. CONCRETE USED FOR PIPE ANCHOR BLOCKS, BACKING, PIPE CRADLES, ARCHES, AND FILL SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
23. APPROVED JOINT RESTRAINT METHODS SHALL BE PROVIDED FOR ALL UNDERGROUND PIPING WHERE ANY BENDS, TEES, PLUGS, OR WYES ARE INSTALLED. CONCRETE THRUST BLOCKS, ANCHOR BLOCKS, AND TIE RODS MAY BE USED FOR 6-INCH AND 8-INCH PIPE WHERE JOINT RESTRAINT IS NOT FEASIBLE. FOR THRUST BLOCK DETAILS AND MINIMUM BLOCK BEARING AREAS, SEE DETAILS AND SPECIFICATIONS.
24. ALL STRUCTURES AND PIPING LOCATED ADJACENT TO ANY TRENCH OR OPEN CUT EXCAVATION SHALL BE PROTECTED AND FIRMLY SUPPORTED BY THE CONTRACTOR UNTIL THE EXCAVATION IS BACKFILLED. DAMAGE TO ANY SUCH STRUCTURES CAUSED BY OR RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. ALL UTILITIES REQUIRING REPAIR, RELOCATION, OR ADJUSTMENT AS A RESULT OF THE PROJECT SHALL BE COORDINATED THROUGH THE OWNER.
25. ALL EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION SHALL BE EITHER NOT DISTURBED, REPLACED, OR RELOCATED. ALL UTILITIES WHICH ARE REPLACED OR RELOCATED SHALL BE CONSTRUCTED OF NEW MATERIALS APPROVED BY THE ENGINEER AND SIMILAR TO THOSE OF THE EXISTING UTILITY.
26. CONTRACTOR SHALL FULLY CLEAN THE INTERIORS OF BOTH WETWELLS. CLEANING SHALL INCLUDE THE USE OF HYDRAULIC CLEANING EQUIPMENT AND VACUUM TRUCKS TO REMOVE SLUDGE, DIRT, GREASE, ETC. FROM THE INTERIOR WALLS AND BOTTOMS OF THE WET WELL. ANY GRATING IN THE WETWELLS SHALL ALSO BE CLEANED. THE WETWELL SHALL BE PUMPED TO ALLOW THE WATER LEVEL TO DROP SO THAT THE ENTIRE WETWELL INTERIOR IS VIEWABLE. CLEANING SHALL ALSO INCLUDE REMOVAL OF ALL FOREIGN OBJECTS OR DEBRIS FROM THE WET WELLS WHICH SHALL BE REMOVED EITHER MANUALLY OR MECHANICALLY. ALL DEBRIS, SOLIDS OR SEMI-SOLIDS RESULTING FROM THE CLEANING OPERATIONS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A LEGALLY PERMITTED SITE FOR THAT PURPOSE. AT A MINIMUM ALL MATERIALS SHALL BE REMOVED FROM THE SITE AT THE END OF EACH WORKDAY. UNDER NO CIRCUMSTANCES WILL THE CONTRACTOR BE ALLOWED TO ACCUMULATE DEBRIS, ETC., ON THE SITE OF WORK BEYOND THE STATED TIME, EXCEPT IN TOTALLY ENCLOSED CONTAINERS AND AS APPROVED BY THE ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES AND TIPPING CHARGES FOR DISPOSAL. THE CONTRACTOR MUST FOLLOW ALL CURRENT APPLICABLE LOCAL, STATE AND FEDERAL RULES AND LAWS REGARDING THE APPROPRIATE DISPOSAL OF WASTE MATERIALS FROM CLEANING OPERATIONS. UNDER NO CIRCUMSTANCES SHALL SEWAGE OR SOLIDS REMOVED IN THE CLEANING PROCESS BE DUMPED INTO STREETS, DITCHES, CATCH BASINS, STORM DRAINS, SEWER MANHOLES, WETWELLS, CLEANOUTS, OR DUMPS.
27. WRITTEN DIMENSIONS IN THE CONTRACT DRAWINGS SHALL PREVAIL OVER SCALE DISTANCES. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
28. ELEVATIONS REFERENCED ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
29. POTABLE WATER IS NOT AVAILABLE ON SITE.

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Consultants:

Revisions:

No.	Date	Description
1	03/07/2024	90% DESIGN REVIEW
2	04/24/2024	ISSUED FOR BIDDING

Seal:
STATE OF NEW HAMPSHIRE
CHRISTOPHER M. PERKINS
No. 12004
LICENSED
PROFESSIONAL ENGINEER

Issued For:
ISSUED FOR BIDDING

Scale: NO SCALE

Date: 4 / 24 / 2024
Drawn By: AJB
Reviewed By: JMS
Approved By: CMP
W&S Project No.: ENG23-0367
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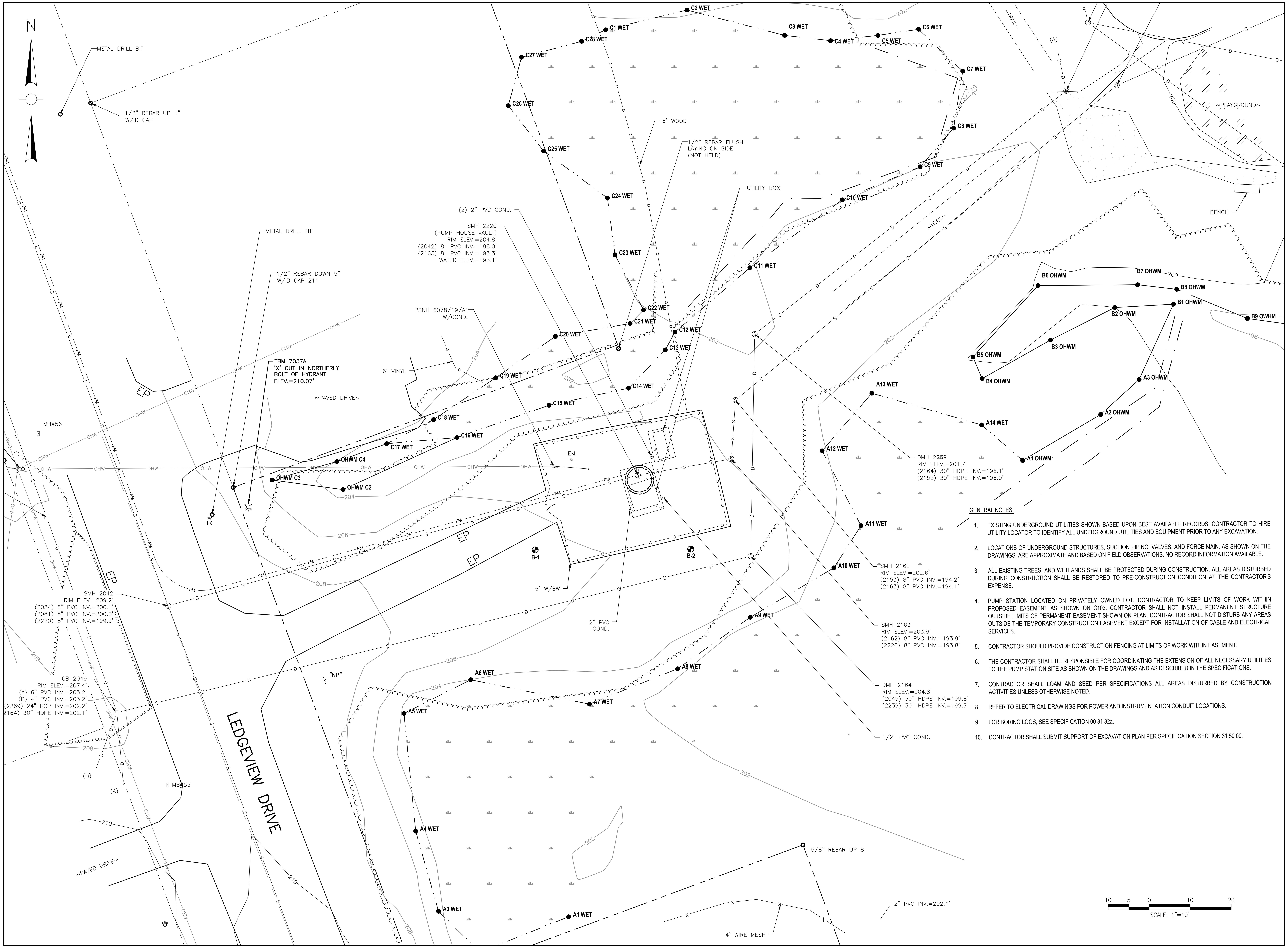
Drawing Title:
ABBREVIATIONS, NOTES, AND LEGEND

Sheet Number:
G001


N
METAL DRILL BIT
1/2" REBAR UP 1" W/ID CAP
6' WOOD
1/2" REBAR FLUSH LAYING ON SIDE (NOT HELD)
UTILITY BOX
(2) 2" PVC COND.
SMH 2220 (PUMP HOUSE VAULT) RIM ELEV.=204.8' (2042) 8" PVC INV.=198.0' (2163) 8" PVC INV.=193.3' WATER ELEV.=193.1'
METAL DRILL BIT
1/2" REBAR DOWN 5" W/ID CAP 211
PSNH 6078/19/A1 W/COND.
TBM 7037A 'X' CUT IN NORTHERLY BOLT OF HYDRANT ELEV.=210.07'
6' VINYL
~PAVED DRIVE~
MB#56
EP
EM
B-1
B-2
6' W/BW
2" PVC COND.
SMH 2042 RIM ELEV.=209.2' (2084) 8" PVC INV.=200.1' (2081) 8" PVC INV.=200.0' (2220) 8" PVC INV.=199.9'
CB 2049 RIM ELEV.=207.4' (A) 6" PVC INV.=205.2' (B) 4" PVC INV.=203.2' (2269) 24" RCP INV.=202.2' (2164) 30" HDPE INV.=202.1'
"NP"
MB#55
LEDGEVIEW DRIVE
~PAVED DRIVE~
DMH 2239 RIM ELEV.=201.7' (2164) 30" HDPE INV.=196.1' (2152) 30" HDPE INV.=196.0'
SMH 2162 RIM ELEV.=202.6' (2153) 8" PVC INV.=194.2' (2163) 8" PVC INV.=194.1'
SMH 2163 RIM ELEV.=203.9' (2162) 8" PVC INV.=193.9' (2220) 8" PVC INV.=193.8'
DMH 2164 RIM ELEV.=204.8' (2049) 30" HDPE INV.=199.8' (2239) 30" HDPE INV.=199.7'
1/2" PVC COND.
5/8" REBAR UP 8
4' WIRE MESH
2" PVC INV.=202.1'
~TRAIL~
~PLAYGROUND~
BENCH
C1 WET
C2 WET
C3 WET
C4 WET
C5 WET
C6 WET
C7 WET
C8 WET
C9 WET
C10 WET
C11 WET
C12 WET
C13 WET
C14 WET
C15 WET
C16 WET
C17 WET
C18 WET
C19 WET
C20 WET
C21 WET
C22 WET
C23 WET
C24 WET
C25 WET
C26 WET
C27 WET
C28 WET
OHWM C2
OHWM C3
OHWM C4
A1 WET
A3 WET
A4 WET
A5 WET
A6 WET
A7 WET
A8 WET
A9 WET
A10 WET
A11 WET
A12 WET
A13 WET
A14 WET
A1 OHWM
A2 OHWM
A3 OHWM
B1 OHWM
B2 OHWM
B3 OHWM
B4 OHWM
B5 OHWM
B6 OHWM
B7 OHWM
B8 OHWM
B9 OWHM
10 5 0 10 20
SCALE: 1"=10'

GENERAL NOTES:

1. EXISTING UNDERGROUND UTILITIES SHOWN BASED UPON BEST AVAILABLE RECORDS. CONTRACTOR TO HIRE UTILITY LOCATOR TO IDENTIFY ALL UNDERGROUND UTILITIES AND EQUIPMENT PRIOR TO ANY EXCAVATION.
2. LOCATIONS OF UNDERGROUND STRUCTURES, SUCTION PIPING, VALVES, AND FORCE MAIN, AS SHOWN ON THE DRAWINGS, ARE APPROXIMATE AND BASED ON FIELD OBSERVATIONS. NO RECORD INFORMATION AVAILABLE.
3. ALL EXISTING TREES, AND WETLANDS SHALL BE PROTECTED DURING CONSTRUCTION. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION AT THE CONTRACTOR'S EXPENSE.
4. PUMP STATION LOCATED ON PRIVATELY OWNED LOT. CONTRACTOR TO KEEP LIMITS OF WORK WITHIN PROPOSED EASEMENT AS SHOWN ON C103. CONTRACTOR SHALL NOT INSTALL PERMANENT STRUCTURE OUTSIDE LIMITS OF PERMANENT EASEMENT SHOWN ON PLAN. CONTRACTOR SHALL NOT DISTURB ANY AREAS OUTSIDE THE TEMPORARY CONSTRUCTION EASEMENT EXCEPT FOR INSTALLATION OF CABLE AND ELECTRICAL SERVICES.
5. CONTRACTOR SHOULD PROVIDE CONSTRUCTION FENCING AT LIMITS OF WORK WITHIN EASEMENT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE EXTENSION OF ALL NECESSARY UTILITIES TO THE PUMP STATION SITE AS SHOWN ON THE DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.
7. CONTRACTOR SHALL LOAM AND SEED PER SPECIFICATIONS ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES UNLESS OTHERWISE NOTED.
8. REFER TO ELECTRICAL DRAWINGS FOR POWER AND INSTRUMENTATION CONDUIT LOCATIONS.
9. FOR BORING LOGS, SEE SPECIFICATION 00 31 32a.
10. CONTRACTOR SHALL SUBMIT SUPPORT OF EXCAVATION PLAN PER SPECIFICATION SECTION 31 50 00.

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CHRISTOPHER M. PERKINS No. 12004
LICENSED PROFESSIONAL ENGINEER

Issued For:
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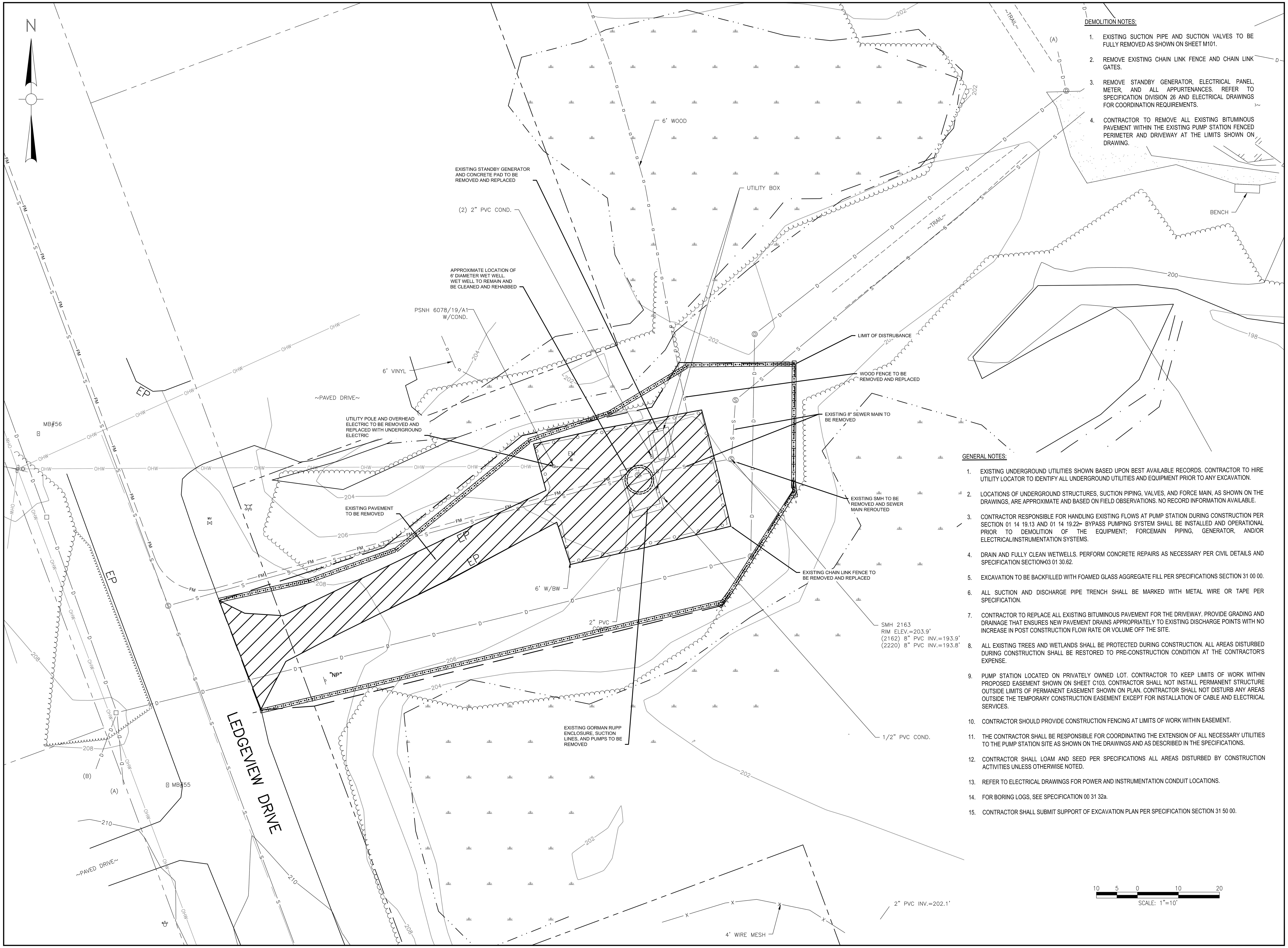
Scale: 10 SCALE

Date: 4 / 24 / 2024
Drawn By: AJB
Reviewed By: JMS
Approved By: CMP
W&S Project No.: ENG23-0367
W&S File No.:

Drawing Title:
EXISTING CONDITIONS PLAN

Sheet Number:
C100



DEMOLITION NOTES:

1. EXISTING SUCTION PIPE AND SUCTION VALVES TO BE FULLY REMOVED AS SHOWN ON SHEET M101.
2. REMOVE EXISTING CHAIN LINK FENCE AND CHAIN LINK GATES.
3. REMOVE STANDBY GENERATOR, ELECTRICAL PANEL, METER, AND ALL APPURTENANCES. REFER TO SPECIFICATION DIVISION 26 AND ELECTRICAL DRAWINGS FOR COORDINATION REQUIREMENTS.
4. CONTRACTOR TO REMOVE ALL EXISTING BITUMINOUS PAVEMENT WITHIN THE EXISTING PUMP STATION FENCED PERIMETER AND DRIVEWAY AT THE LIMITS SHOWN ON DRAWING.

GENERAL NOTES:

1. EXISTING UNDERGROUND UTILITIES SHOWN BASED UPON BEST AVAILABLE RECORDS. CONTRACTOR TO HIRE UTILITY LOCATOR TO IDENTIFY ALL UNDERGROUND UTILITIES AND EQUIPMENT PRIOR TO ANY EXCAVATION.
2. LOCATIONS OF UNDERGROUND STRUCTURES, SUCTION PIPING, VALVES, AND FORCE MAIN, AS SHOWN ON THE DRAWINGS, ARE APPROXIMATE AND BASED ON FIELD OBSERVATIONS. NO RECORD INFORMATION AVAILABLE.
3. CONTRACTOR RESPONSIBLE FOR HANDLING EXISTING FLOWS AT PUMP STATION DURING CONSTRUCTION PER SECTION 01 14 19.13 AND 01 14 19.22. BYPASS PUMPING SYSTEM SHALL BE INSTALLED AND OPERATIONAL PRIOR TO DEMOLITION OF THE EQUIPMENT; FORCEMAIN PIPING, GENERATOR, AND/OR ELECTRICAL/INSTRUMENTATION SYSTEMS.
4. DRAIN AND FULLY CLEAN WETWELLS. PERFORM CONCRETE REPAIRS AS NECESSARY PER CIVIL DETAILS AND SPECIFICATION SECTION 03 01 30.62.
5. EXCAVATION TO BE BACKFILLED WITH FOAMED GLASS AGGREGATE FILL PER SPECIFICATIONS SECTION 31 00 00.
6. ALL SUCTION AND DISCHARGE PIPE TRENCH SHALL BE MARKED WITH METAL WIRE OR TAPE PER SPECIFICATION.
7. CONTRACTOR TO REPLACE ALL EXISTING BITUMINOUS PAVEMENT FOR THE DRIVEWAY. PROVIDE GRADING AND DRAINAGE THAT ENSURES NEW PAVEMENT DRAINS APPROPRIATELY TO EXISTING DISCHARGE POINTS WITH NO INCREASE IN POST CONSTRUCTION FLOW RATE OR VOLUME OFF THE SITE.
8. ALL EXISTING TREES AND WETLANDS SHALL BE PROTECTED DURING CONSTRUCTION. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION AT THE CONTRACTOR'S EXPENSE.
9. PUMP STATION LOCATED ON PRIVATELY OWNED LOT. CONTRACTOR TO KEEP LIMITS OF WORK WITHIN PROPOSED EASEMENT SHOWN ON SHEET C103. CONTRACTOR SHALL NOT INSTALL PERMANENT STRUCTURE OUTSIDE LIMITS OF PERMANENT EASEMENT SHOWN ON PLAN. CONTRACTOR SHALL NOT DISTURB ANY AREAS OUTSIDE THE TEMPORARY CONSTRUCTION EASEMENT EXCEPT FOR INSTALLATION OF CABLE AND ELECTRICAL SERVICES.
10. CONTRACTOR SHOULD PROVIDE CONSTRUCTION FENCING AT LIMITS OF WORK WITHIN EASEMENT.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE EXTENSION OF ALL NECESSARY UTILITIES TO THE PUMP STATION SITE AS SHOWN ON THE DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.
12. CONTRACTOR SHALL LOAM AND SEED PER SPECIFICATIONS ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES UNLESS OTHERWISE NOTED.
13. REFER TO ELECTRICAL DRAWINGS FOR POWER AND INSTRUMENTATION CONDUIT LOCATIONS.
14. FOR BORING LOGS, SEE SPECIFICATION 00 31 32a.
15. CONTRACTOR SHALL SUBMIT SUPPORT OF EXCAVATION PLAN PER SPECIFICATION SECTION 31 50 00.

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ROCHESTER, NH 03868

Weston & Sampson
Weston & Sampson Engineers, Inc.
100 International Drive, Suite 152
Portsmouth, NH 03801
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Consultants:

Revisions:

No.	Date	Description
1	03/07/2024	90% DESIGN REVIEW
2	04/24/2024	ISSUED FOR BIDDING

COA:

Seal:
STATE OF NEW HAMPSHIRE
CHRISTOPHER M. PERKINS
No. 12004
LICENSED
PROFESSIONAL ENGINEER

Issued For:
ISSUED FOR BIDDING

Scale: 10 SCALE

Date: 4 / 24 / 2024
Drawn By: AJB
Reviewed By: JMS
Approved By: CMP
W&S Project No.: ENG23-0367
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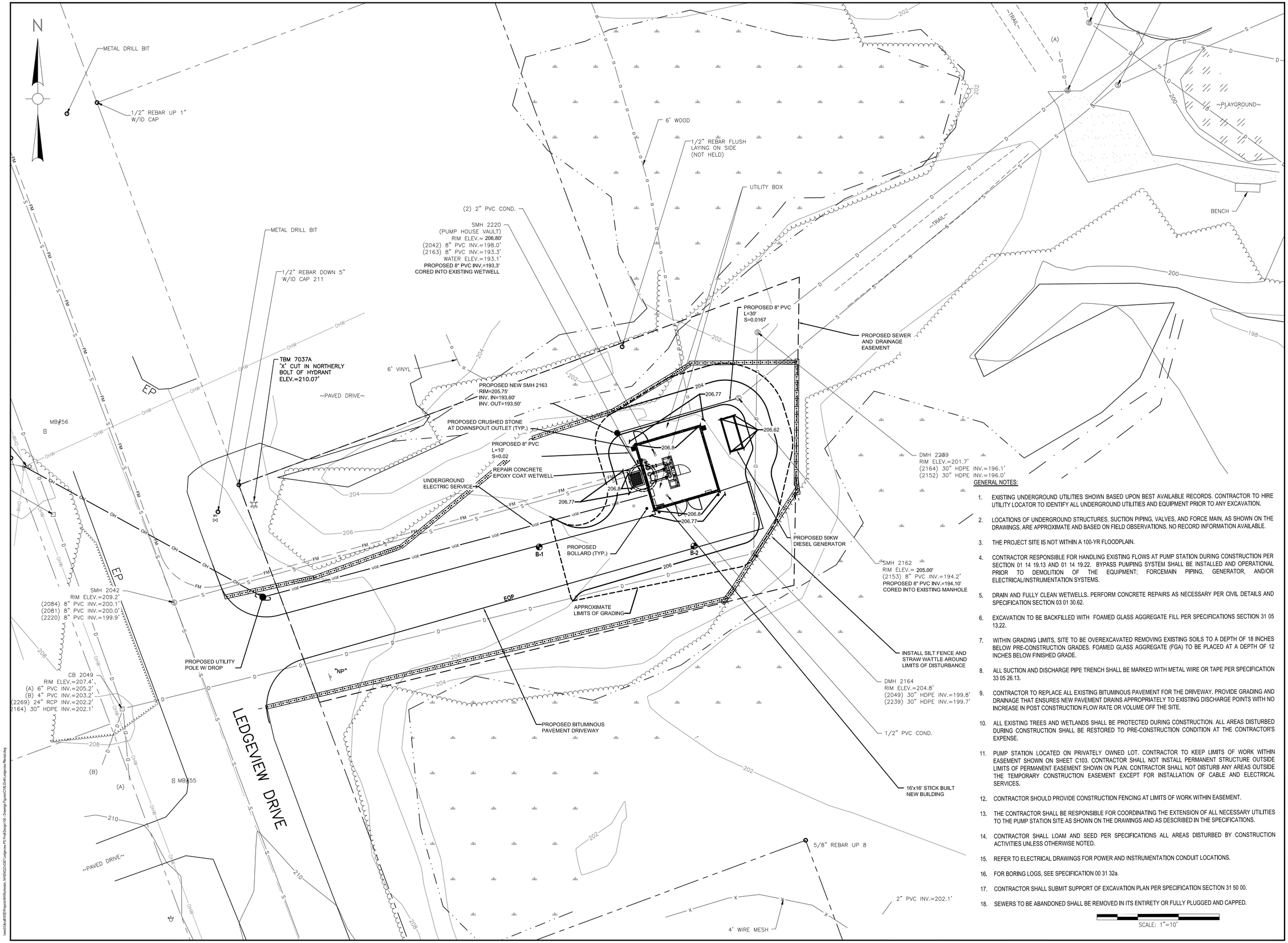
Drawing Title:
DEMOLITION PLAN

Sheet Number:
C101



GENERAL NOTES:

1. EXISTING UNDERGROUND UTILITIES SHOWN BASED UPON BEST AVAILABLE RECORDS. CONTRACTOR TO HIRE UTILITY LOCATOR TO IDENTIFY ALL UNDERGROUND UTILITIES AND EQUIPMENT PRIOR TO ANY EXCAVATION.
2. LOCATIONS OF UNDERGROUND STRUCTURES, SUCTION PIPING, VALVES, AND FORCE MAIN, AS SHOWN ON THE DRAWINGS, ARE APPROXIMATE AND BASED ON FIELD OBSERVATIONS. NO RECORD INFORMATION AVAILABLE.
3. THE PROJECT SITE IS NOT WITHIN A 100-YR FLOODPLAIN.
4. CONTRACTOR RESPONSIBLE FOR HANDLING EXISTING FLOWS AT PUMP STATION DURING CONSTRUCTION PER SECTION 01 14 19.13 AND 01 14 19.22. BYPASS PUMPING SYSTEM SHALL BE INSTALLED AND OPERATIONAL PRIOR TO DEMOLITION OF THE EQUIPMENT; FORCEMAIN PIPING, GENERATOR, AND/OR ELECTRICAL/INSTRUMENTATION SYSTEMS.
5. DRAIN AND FULLY CLEAN WETWELLS. PERFORM CONCRETE REPAIRS AS NECESSARY PER CIVIL DETAILS AND SPECIFICATION SECTION 03 01 30.62.
6. EXCAVATION TO BE BACKFILLED WITH FOAMED GLASS AGGREGATE FILL PER SPECIFICATIONS SECTION 31 05 13.22.
7. WITHIN GRADING LIMITS, SITE TO BE OVEREXCAVATED REMOVING EXISTING SOILS TO A DEPTH OF 18 INCHES BELOW PRE-CONSTRUCTION GRADES. FOAMED GLASS AGGREGATE (FGA) TO BE PLACED AT A DEPTH OF 12 INCHES BELOW FINISHED GRADE.
8. ALL SUCTION AND DISCHARGE PIPE TRENCH SHALL BE MARKED WITH METAL WIRE OR TAPE PER SPECIFICATION 33 05 26.13.
9. CONTRACTOR TO REPLACE ALL EXISTING BITUMINOUS PAVEMENT FOR THE DRIVEWAY. PROVIDE GRADING AND DRAINAGE THAT ENSURES NEW PAVEMENT DRAINS APPROPRIATELY TO EXISTING DISCHARGE POINTS WITH NO INCREASE IN POST CONSTRUCTION FLOW RATE OR VOLUME OFF THE SITE.
10. ALL EXISTING TREES AND WETLANDS SHALL BE PROTECTED DURING CONSTRUCTION. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION AT THE CONTRACTOR'S EXPENSE.
11. PUMP STATION LOCATED ON PRIVATELY OWNED LOT. CONTRACTOR TO KEEP LIMITS OF WORK WITHIN EASEMENT SHOWN ON SHEET C103. CONTRACTOR SHALL NOT INSTALL PERMANENT STRUCTURE OUTSIDE LIMITS OF PERMANENT EASEMENT SHOWN ON PLAN. CONTRACTOR SHALL NOT DISTURB ANY AREAS OUTSIDE THE TEMPORARY CONSTRUCTION EASEMENT EXCEPT FOR INSTALLATION OF CABLE AND ELECTRICAL SERVICES.
12. CONTRACTOR SHOULD PROVIDE CONSTRUCTION FENCING AT LIMITS OF WORK WITHIN EASEMENT.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE EXTENSION OF ALL NECESSARY UTILITIES TO THE PUMP STATION SITE AS SHOWN ON THE DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.
14. CONTRACTOR SHALL LOAM AND SEED PER SPECIFICATIONS ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES UNLESS OTHERWISE NOTED.
15. REFER TO ELECTRICAL DRAWINGS FOR POWER AND INSTRUMENTATION CONDUIT LOCATIONS.
16. FOR BORING LOGS, SEE SPECIFICATION 00 31 32a.
17. CONTRACTOR SHALL SUBMIT SUPPORT OF EXCAVATION PLAN PER SPECIFICATION SECTION 31 50 00.
18. SEWERS TO BE ABANDONED SHALL BE REMOVED IN ITS ENTIRETY OR FULLY PLUGGED AND CAPPED.

Project:
CITY OF ROCHESTER, NH

LEDGEVIEW SEWER PUMP STATION UPGRADE

54A LEDGEVIEW DRIVE
ROCHESTER, NH 03868

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W&S Project No.: ENG23-0367
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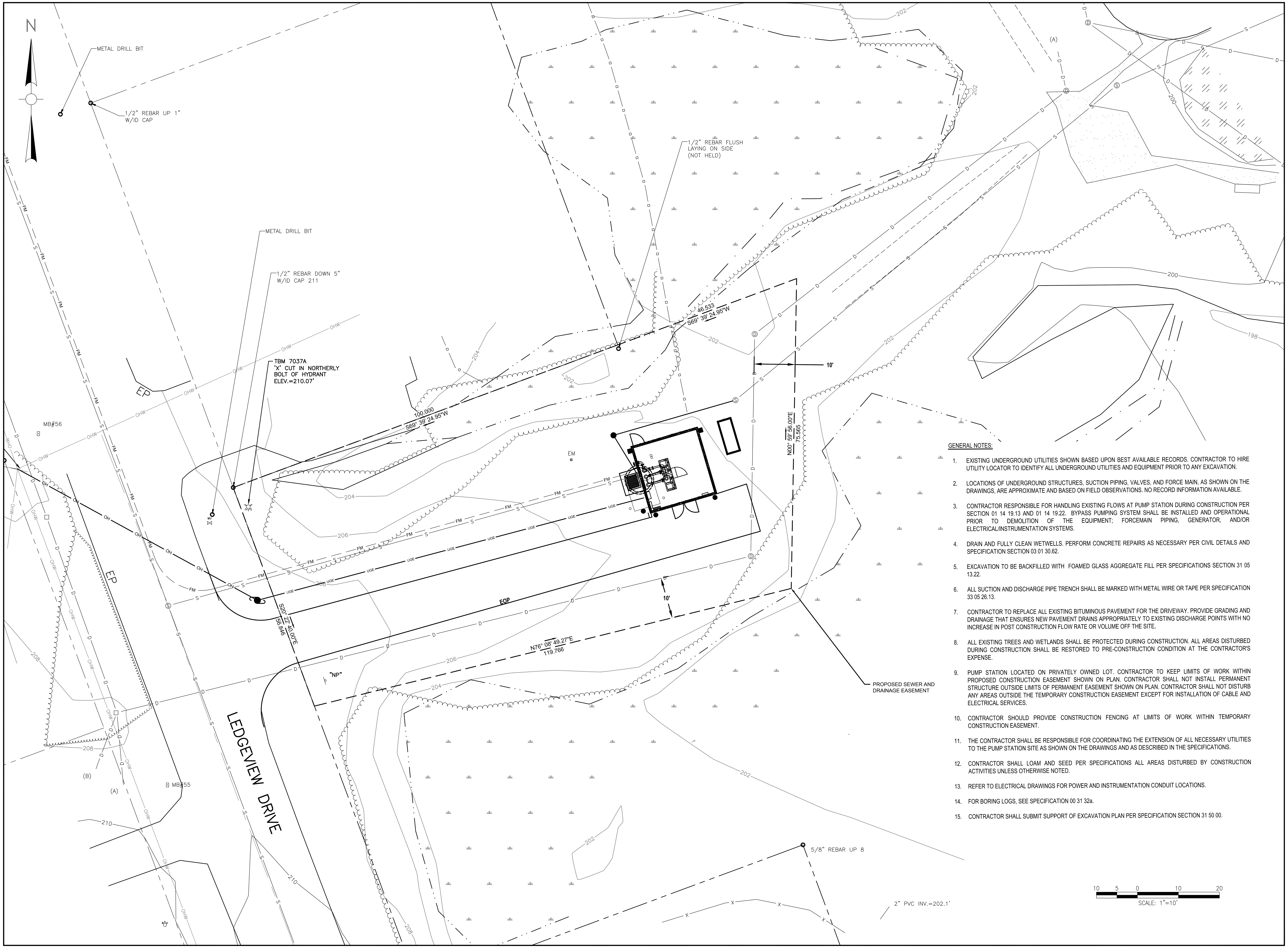
PROPOSED SITE PLAN

Sheet Number:
C102



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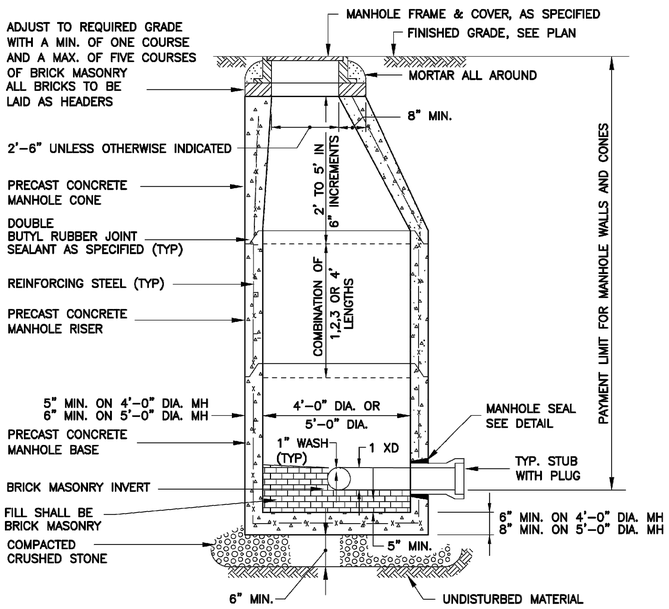
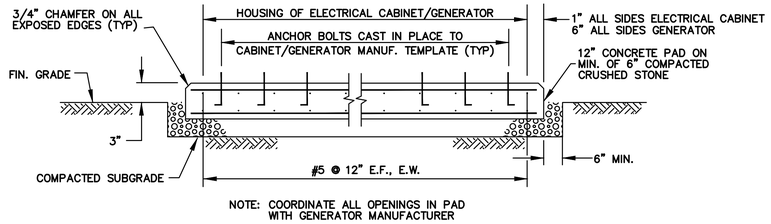
EASEMENT PLAN

Sheet Number:
C103



PRECAST SEWER CONCRETE MANHOLE DETAIL

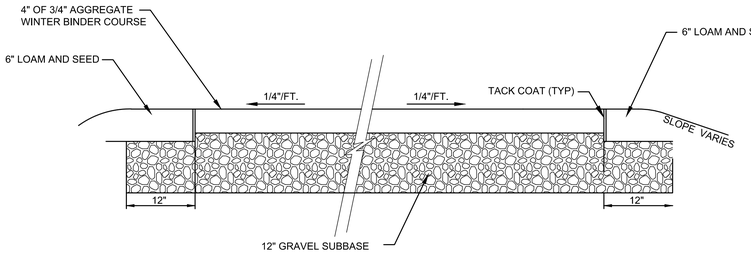
N.T.S.



NOTE: COORDINATE ALL OPENINGS IN PAD WITH GENERATOR MANUFACTURER

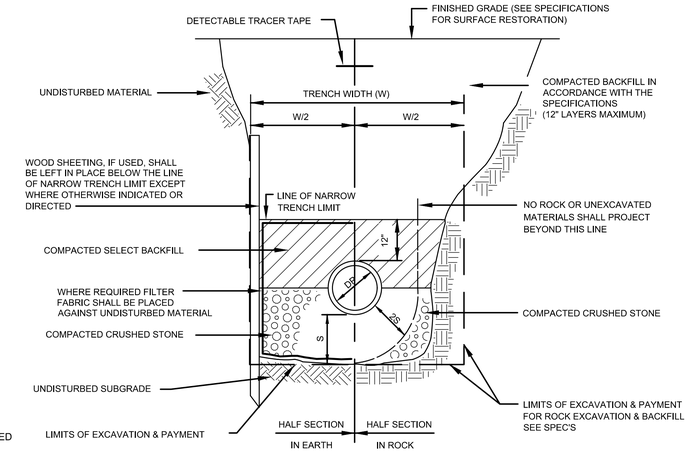
GENERATOR PAD DETAIL

N.T.S.



PARKING LOTS AND DRIVEWAYS

N.T.S.



SEWER TRENCH DETAIL

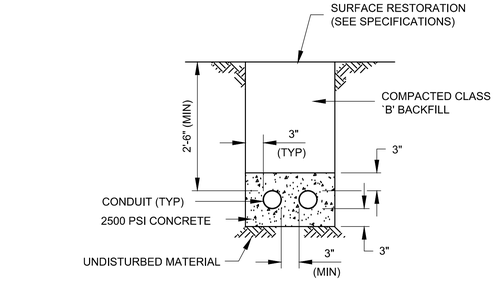
N.T.S.

(GRAVITY SEWER, FORCEMAIN, AND STORM DRAIN)

NOTE:
FOR W, DP, & S, SEE TABLE A

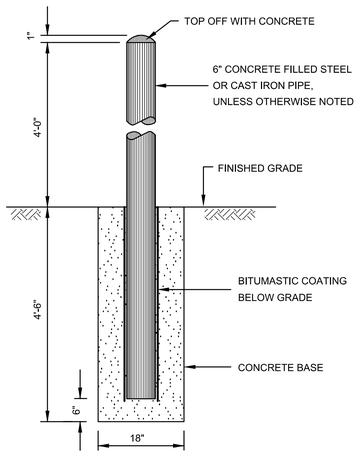
DIAMETER OF PIPE (DP)	MAXIMUM TRENCH WIDTH BELOW LINE OF NARROW TRENCH LIMIT (SHEETED OR UNSHEETED) (W)	MINIMUM CLEARANCE (S)
<15"	36"	6"

TABLE A



ELECTRICAL DUCTBANK DETAIL

N.T.S.

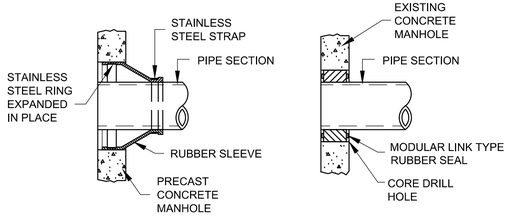


BOLLARD DETAIL

N.T.S.

NOTES:

1. PIPE SHALL BE PAINTED SAFETY YELLOW WITH CATALIZED EPOXY PAINT.
2. POST SHALL BE COVERED WITH ¾" THICK HDPE SAFETY YELLOW BOLLARD COVER BY POST GUARD OR APPROVED EQUAL.

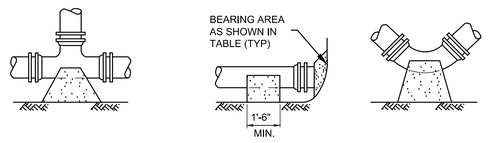


WETWELL AND MANHOLE SEAL DETAILS

N.T.S.

NOTES:

1. ALL PENETRATIONS INTO THE WETWELL AND AIR RELEASE VALVE MANHOLE SHALL BE VAPOR AND GAS TIGHT.



TEE DETAIL (PLAN VIEW)

CAP DETAIL (PLUG SIMILAR) (SECTION VIEW)

BEND DETAIL (PLAN VIEW)

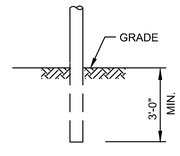
TABLE OF CONCRETE THRUST RESTRAINT MINIMUM BEARING AREAS IN SQUARE FEET AGAINST UNDISTURBED MATERIAL FOR ALL PRESSURE PIPE FITTINGS				
SIZE OF MAIN	90° BENDS, TEES, CAPS AND PLUGS	45° BENDS AND WYES	22-1/2° BENDS	11-1/4° BENDS
6", 8"	5	4	2	2
10", 12"	12	9	5	2

CONCRETE THRUST RESTRAINT FOR FITTINGS

N.T.S.

NOTES:

1. CONCRETE THRUST RESTRAINT SHALL ONLY BE USED WHERE OTHER MEANS OF RESTRAINT ARE NOT FEASIBLE.
2. CONTRACTOR SHALL USE CARE TO AVOID PLACEMENT OF CONCRETE ON THE FITTING JOINTS.

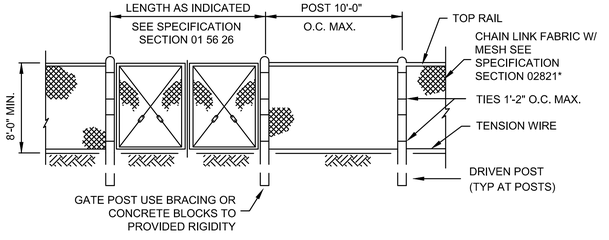


NOTES:

1. SEE SPECIFICATION SECTION 01 56 26-TEMPORARY CHAIN LINK FENCE
2. PORTABLE/TEMPORARY CHAIN LINK FENCE IS ALLOWABLE.

DRIVEN POST DETAIL

N.T.S.



TEMPORARY CHAIN LINK FENCE AND GATE DETAIL

N.T.S.

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CIVIL DETAILS

Sheet Number:
C501

STRUCTURAL REPAIR NOTES:

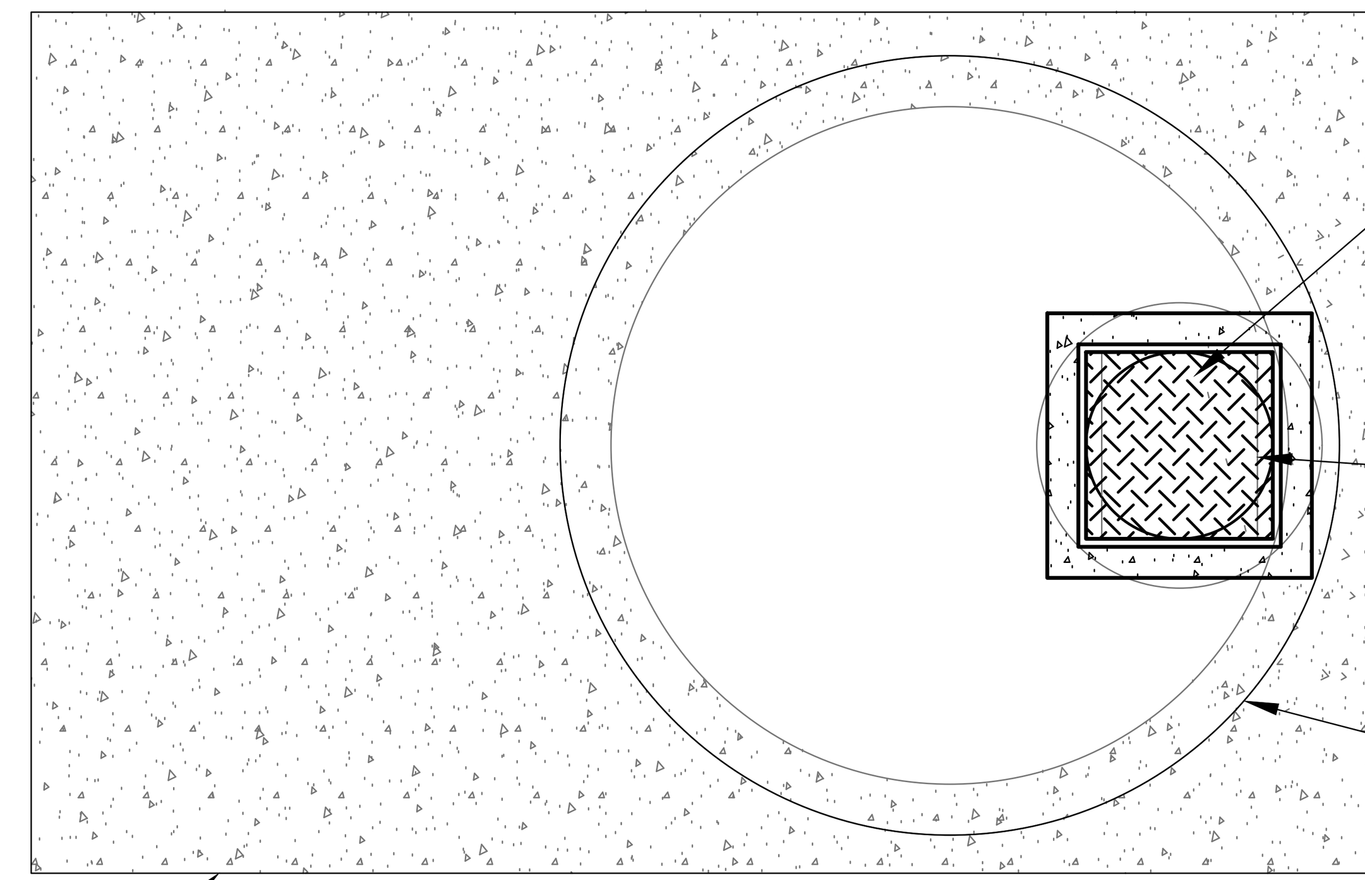
GENERAL REPAIR NOTES:
1. WETWELL SHOULD BE THOROUGHLY CLEANED AND POWER WASHED CAREFULLY PRIOR TO ANY OF THE CONCRETE REPAIR PROCEDURES LISTED BELOW.
2. CONTRACTOR TO ASSUME PARTIAL DEPTH CONCRETE REPAIR IS NOT NECESSARY. LIMITS TO BE DETERMINED DURING FIELD SURVEY.
3. COATINGS SHALL BE APPLIED AFTER COMPLETION OF CRACK REPAIRS, FLOOR SLOPE MODIFICATIONS, AND INSTALLATION OF TOP SLAB/CURB.

EPOXY INJECTION CRACK REPAIR:
4. CONTRACTOR TO PERFORM FIELD SURVEY TO DETERMINE LIMITS OF CRACKS AND REQUIRED REPAIRS.
5. AFTER APPROVAL OF LIMITS IS RECEIVED FROM ENGINEER, CONCRETE CRACKS SHALL BE REPAIRED BY EPOXY INJECTION.
6. CRACKS SHALL BE CLEANED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS PRIOR TO INSTALLATION OF INJECTION PORTS.
7. CLEAN AREAS TO RECEIVE CAPPING ADHESIVE OF OIL, DIRT, AND OTHER SUBSTANCES THAT WOULD INTERFERE WITH BOND, AND CLEAN CRACKS WITH OIL-FREE COMPRESSED AIR OR LOW-PRESSURE WATER TO REMOVE LOOSE PARTICLES.
8. PLACE INJECTION PORTS AS RECOMMENDED BY EPOXY MANUFACTURER, SPACING NO FARTHER APART THAN THICKNESS OF MEMBER BEING INJECTED. SEAL INJECTION PORTS IN PLACE WITH CAPPING ADHESIVE.
9. SEAL CRACKS AT EXPOSED SURFACES WITH A RIBBON OF CAPPING ADHESIVE AT LEAST ¼ INCH THICK BY 1 INCH WIDER THAN CRACK.
10. INJECT CRACKS WITH A WIDTH OF 0.005 INCH TO 0.25 INCH.
11. INJECT EPOXY ADHESIVE, BEGINNING AT WIDEST PART OF CRACK AND WORKING TOWARD NARROWER PARTS, INJECT ADHESIVE INTO PORTS TO REFUSAL, CAPPING ADJACENT PORTS WHEN THEY EXTRUDE EPOXY. CAP INJECTED PORTS AND INJECT THROUGH ADJACENT PORTS UNTIL CRACK IS FILLED.
12. AFTER EPOXY ADHESIVE HAS SET, REMOVE INJECTION PORTS, AND GRIND SURFACES SMOOTH.

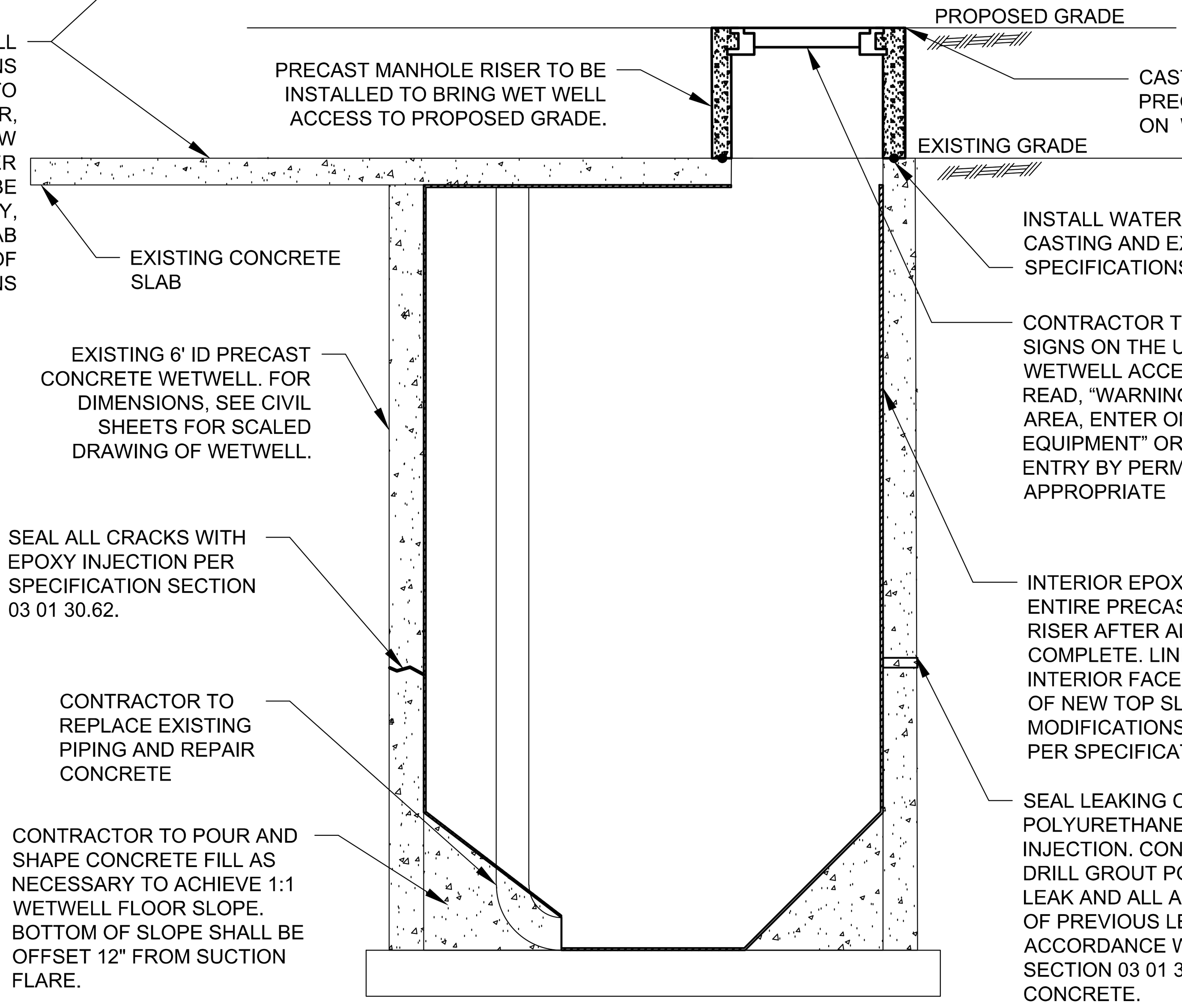
PARTIAL DEPTH REPAIR NOTES:
13. CONTRACTOR TO PERFORM FIELD SURVEY TO DETERMINE LIMITS OF DETERIORATION AND REQUIRED REPAIRS. THIS SURVEY SHALL INCLUDE THE WETWELL FLOOR AND SIDEWALLS.
14. AFTER APPROVAL OF LIMITS RECEIVED FROM ENGINEER, CONTRACTOR TO REMOVE DETERIORATED CONCRETE TO SOUND CONCRETE AT REPAIR LOCATIONS.
15. IF MORE THAN 50% OF A PIECE OF REINFORCING STEEL IS EXPOSED, THE CONCRETE SHALL BE REMOVED TO A MINIMUM OF 1" AROUND THE REINFORCING STEEL AS SHOWN ABOVE.
16. IF REINFORCING STEEL IS FOUND TO BE DETERIORATED, SUPPLEMENTARY REINFORCING STEEL IS TO BE PROVIDED.
 16.1. PROVIDE 2 - #5 BARS TO SUPPLEMENT A DETERIORATED ¾" SQUARE BAR.
 16.2. PROVIDE 1 - #4 BAR TO SUPPLEMENT A DETERIORATED WIRE TIE.
17. SUPPLEMENTARY REINFORCEMENT TO BE LAPPED WITH EXISTING REINFORCEMENT.
18. CONCRETE SURFACE SHALL BE DAMPENED PRIOR TO PATCHING IN ACCORDANCE WITH SPECIAL PROVISIONS.
19. IF LIMITS OF REPAIR ARE LESS THAN 2" DEEP, TYPE A REPAIR IS TO BE PERFORMED AS SHOWN BELOW.
 19.1. TYPE A REPAIRS TO BE PATCHED WITH MATERIAL AS SPECIFIED IN SPECIAL PROVISIONS FOR CEMENTITIOUS MORTAR FOR PATCHING.
20. IF LIMITS OF REPAIR ARE MORE THAN 2" DEEP, TYPE B REPAIR IS TO BE PERFORMED AS SHOWN BELOW.
 20.1. TYPE B REPAIRS TO BE PATCHED WITH 5000 PSI - 3/8" CEMENT CONCRETE.
21. ALL PATCHES TO BE FINISHED FLUSH WITH SURROUNDING CONCRETE SURFACE.

SKIM COAT:
22. ALL LOOSE OR FLAKING MATERIAL TO BE REMOVED FROM EXISTING FACE OF CONCRETE SURFACE.
23. SKIM COAT TO BE APPLIED PER THE MANUFACTURER'S SPECIFICATIONS AND MUST MATCH EXISTING THICKNESS ON FACE OF CONCRETE SURFACE.
24. SKIM COAT SHOULD BE ONE OF THE FOLLOWING OR EQUAL:
 24.1. TNEMEC SERIES 218/219 MORTAR CLAD OR APPROVED EQUAL.

PROTECTIVE COATING ON WETWELL INTERIOR WALLS:
25. PROTECTIVE COATING TO BE APPLIED PER THE MANUFACTURER'S SPECIFICATIONS.
26. TWO TOP COATS SHALL BE APPLIED WITH TOTAL DRY THICKNESS OF 80 MILS.
27. ENTIRE INTERIOR OF STRUCTURE SHALL BE COATED INCLUDING BOTTOM OF TOP SLAB AND SLOPED FLOORS.
28. PROTECTIVE COATING SHOULD BE ONE OF THE FOLLOWING OR EQUAL:
 28.1. TNEMEC SERIES 435 PERMA-GLAZE OR APPROVED EQUAL.



PLAN



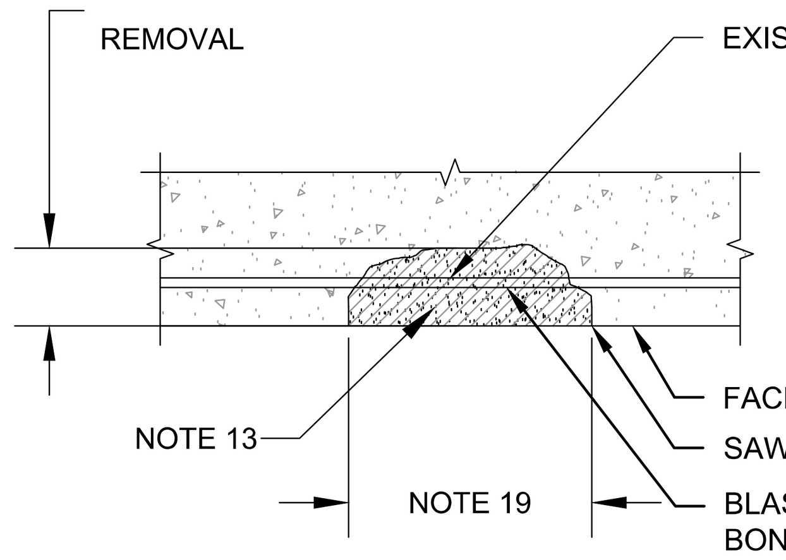
SECTION

WETWELL REPAIR AND MODIFICATIONS

N.T.S.

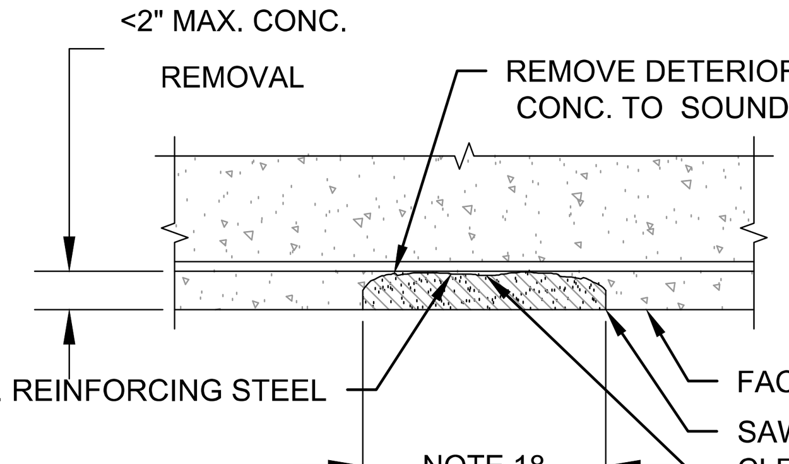
NOTES:

1. REMOVE EXISTING MANHOLE FRAMES AND COVERS.
2. INSTALL NEW ALUMINUM FLOOR HATCHES WITH 30"X36" CLEAR OPENING, H20 LOAD RATING, FALL THROUGH PROTECTION, AND LOW PROFILE FRAME (4.5" TALL MAX). SEE SPECIFICATION SECTION 08 34 83 FOR ALL HATCH REQUIREMENTS.
3. WETWELL REPAIRS AND MODIFICATIONS TO BE PERFORMED ON WETWELL.
4. CONTRACTOR TO ASSUME 30 LF OF EPOXY INJECTION REPAIR AND 20 LF OF POLYURETHANE CHEMICAL GROUT REPAIR (TOTAL) FOR COMPARISON OF BIDS.



TYPE B (MORE THAN 2" DEEP)

N.T.S.



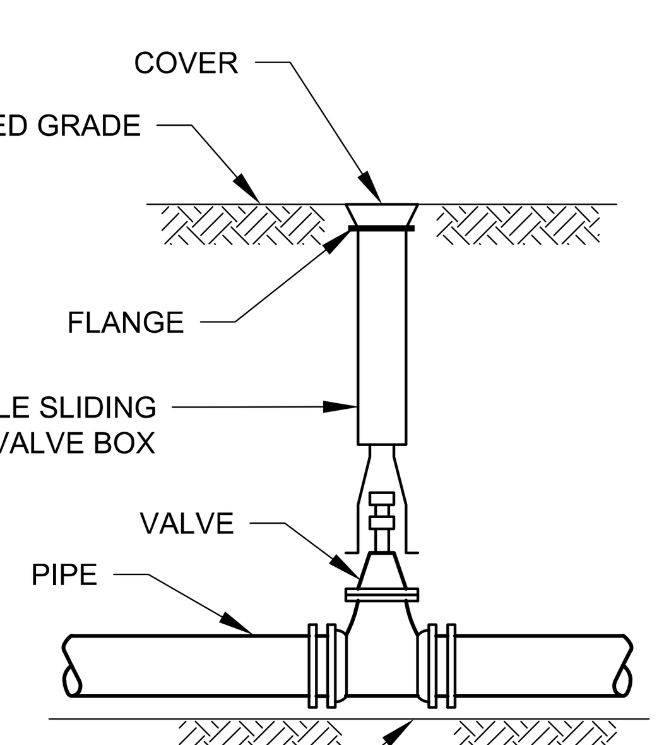
TYPE A (LESS THAN 2" DEEP)

N.T.S.

PARTIAL DEPTH CONCRETE REPAIR DETAILS

NOTES:

1. CONTRACTOR TO ASSUME PARTIAL DEPTH CONCRETE REPAIR IS NOT NECESSARY. LIMITS OF CONCRETE REPAIR TO BE DETERMINED BY CONTRACTOR AFTER CLEANING AND INSPECTION OF WETWELL.



VALVE AND BOX DETAIL

N.T.S.

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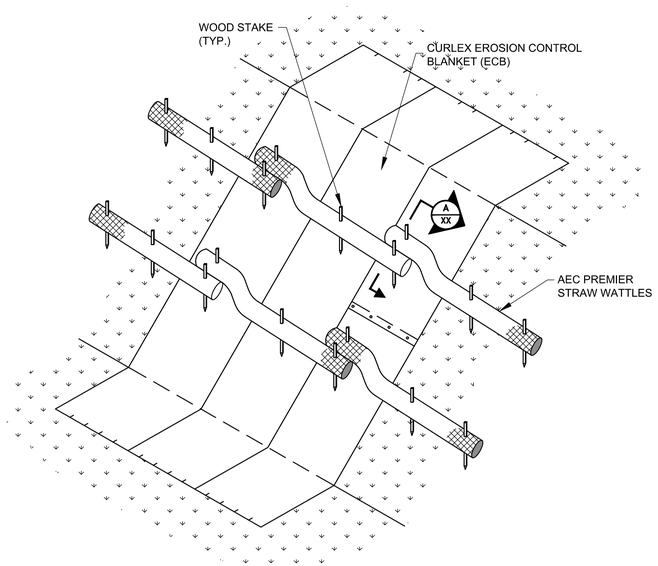
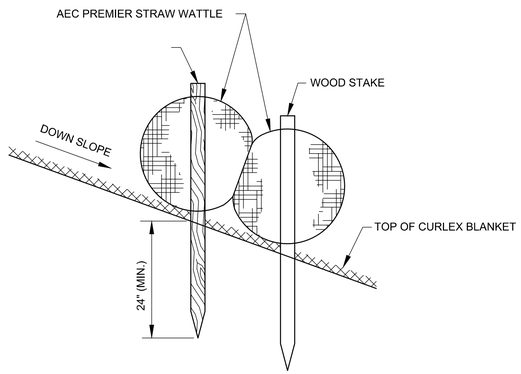
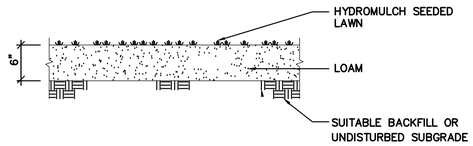


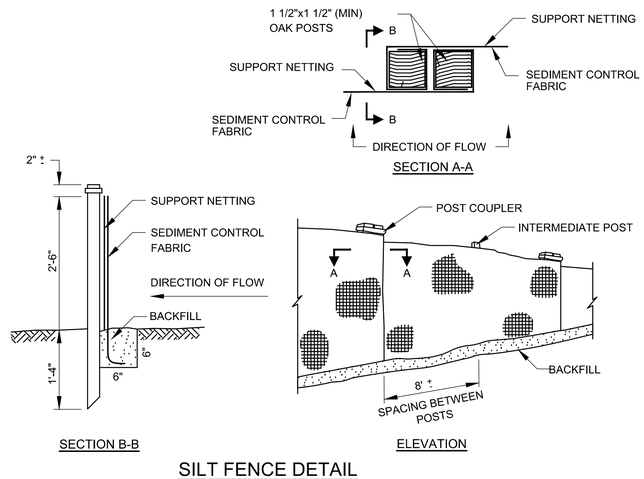
SLOPE DETAIL
N.T.S.



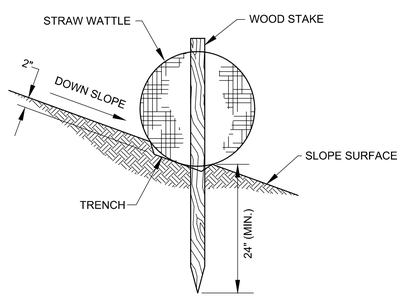
STAKE DETAIL SECTION (A / XX)
N.T.S.



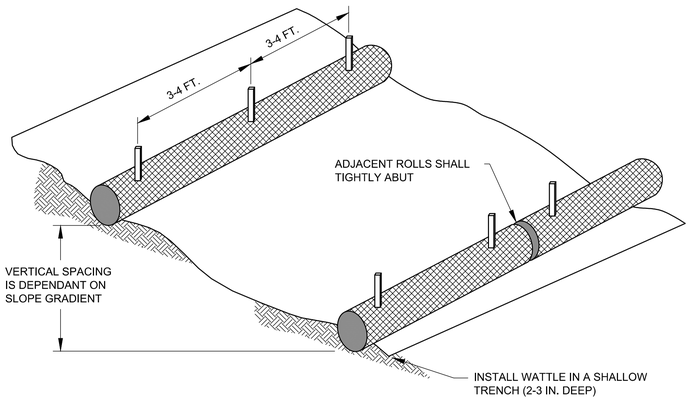
LOAM & SEED
SECTION — NO SCALE



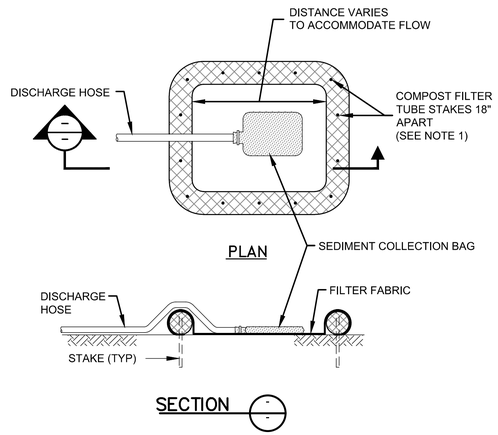
SILT FENCE DETAIL
N.T.S.



STAKE DETAIL (ON BARE SOIL)
N.T.S.



STRAW WATTLE INSTALLATION GUIDE
N.T.S.



DEWATERING DISCHARGE DISPOSAL DETAIL
N.T.S.

NOTE:

1. WHEN STAKING IS NOT POSSIBLE, SUCH AS WHEN TUBES MUST BE PLACED ON PAVEMENT, HEAVY CONCRETE OR CINDER BLOCKS CAN BE USED BEHIND TUBES UP TO 5 FT. APART OR AS REQUIRED TO SECURE TUBES IN PLACE.

NOTES:

1. BEGIN AT THE LOCATION WHERE THE WATTLE IS TO BE INSTALLED BY EXCAVATING A 2-3" DEEP X 9" WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP-SLOPE FROM THE ANCHOR TRENCH.
2. PLACE THE WATTLE IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE WATTLE ON THE UPHILL SIDE. ADJACENT WATTLES SHOULD TIGHTLY ABUT.
3. SECURE THE WATTLE WITH 18-24" STAKES EVERY 3-4' AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE LEAVING AT LEAST 2-3" OF STAKE EXTENDING ABOVE THE WATTLE. STAKES SHOULD BE DRIVEN PERPENDICULAR TO SLOPE FACE.

Project:
CITY OF ROCHESTER, NH

LEDGEVIEW SEWER PUMP STATION UPGRADE

54A LEDGEVIEW DRIVE
ROCHESTER, NH 03868

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Consultants:

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CIVIL DETAILS

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C503

GENERAL NOTES:

1. COORDINATE THE ARCHITECTURAL DRAWINGS WITH STRUCTURAL, PLUMBING, FIRE PROTECTION, MECHANICAL, AND ELECTRICAL / FIRE ALARM DRAWINGS FOR THE VERIFICATION OF ALL PROJECT REQUIREMENTS.
2. FINISH FIRST FLOOR SLAB ELEVATION HIGH POINT IS 0'-0" FOR THIS PROJECT.
3. ALL INTERIOR DIMENSIONS ARE TAKEN FROM FACE OF STUD / FACE OF MASONRY / CENTERLINE OF COLUMN TO FACE OF STUD / FACE OF MASONRY / CENTERLINED OF COLUMN UNLESS SPECIFICALLY NOTED OTHERWISE. DO NOT SCALE DRAWINGS. REFER TO ENLARGED PLANS AND DETAILS FOR FURTHER DIMENSIONING INFORMATION. ALL WORK LINES AND LEVELS SHALL BE LAID OUT BY WRITTEN DIMENSIONS. ANY DEVIATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER. ALL DEVIATIONS AND DISCREPANCIES SHALL BE CORRECTED BY THE CONTRACTOR BEFORE HE BEGINS HIS PORTION OF THE WORK.
4. FIRE EXTINGUISHER AND CABINET QUANTITIES AND LOCATIONS TO BE COORDINATED WITH THE TOWN FIRE DEPARTMENT PRIOR TO ORDERING AND INSTALLATION. CONFORM TO THE STATE FIRE REGS AND NFPA.
5. COORDINATE MASTER BOX, KNOX BOX, AND BEACON LOCATIONS WITH THE ELECTRICAL / FIRE ALARM DRAWINGS AND THE TOWN FIRE DEPARTMENT REQUIREMENTS. ELECTRICAL CONTRACTOR TO PROVIDE KNOX BOX THAT MEET THE TOWN FIRE DEPARTMENT REQUIREMENTS.
6. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & CONDITIONS PRIOR TO THE WORK AND SHALL NOTIFY THE DESIGNER REGARDING ANY DISCREPANCIES.
7. THE CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS, SAMPLES, CATALOG CUTS ETC., INCLUDING COLOR CHARTS FOR PAINTS, FOR ALL INTERIOR FINISHES, TO THE DESIGNER FOR SELECTION, REVIEW AND APPROVAL WITH THE OWNER PRIOR TO FABRICATION OR INSTALLATION. THE COLORS MUST BE SUBMITTED IN A TIMELY MANNER AND TOGETHER FOR REVIEW AND COLOR BOARDS. FAILURE TO DO SO IN A TIMELY MANNER WILL FALL ON THE CONTRACTOR'S RESPONSIBILITY AND NOT ON THE OWNER. REFER TO EACH INDIVIDUAL SPECIFICATIONS FOR SIZE, QUANTITY AND TYPE OF COLOR SELECTION.
8. PERFORM ALL WORK IN ACCORDANCE WITH THE STATE BUILDING CODE, AS WELL AS LOCAL CODES AND ORDINANCES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, BACKCHARGES AND FEES AS REQUIRED BY THE TOWN.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY REMOVAL AND LEGAL DISPOSAL OF ALL DEBRIS OFF SITE.
11. THE CONTRACTOR SHALL SEAL ALL THROUGH-WALL & FLOOR PENETRATIONS WITH 3M BARRIER CAULK (O.A.E.) AND SEALANT ON USG SAFING 2500 PSI GROUT. U.N.O. INSTALL ANY REQUIRED FIRE RATED PARTITIONS TO UNDERSIDE OF FLOOR AND ROOF DECK, INCLUDING DEFLECTION HEAD FIRE SAFING.
12. INSTALL A CONTINUOUS SEALANT BEAD ON BACKER ROD AT ALL JUNCTURES OF DISSIMILAR MATERIALS (E.G.: METAL TO CMU, STEEL TO ALUMINUM) AND ALL MATERIAL JOINTS AS REQUIRED BY THE MANUFACTURER'S SPECIFICATION AND RECOMMENDATIONS, INDUSTRY STANDARDS AND GOOD PRACTICE.
13. PROVIDE CONTINUOUS GALVANIZED METAL EDGE TRIM AT ALL GWB WORK.
14. THE CONTRACTOR SHALL INSTALL ALL INTERIOR FINISHES AT ALL SURFACES INDICATED ON THE DRAWINGS IN CONFORMANCE TO STATE BUILDING CODE. ALL DOORS SHALL HAVE LEVER HARDWARE TO CONFORM TO 521 CMR.
15. INSTALL USG .093 (OR APPROVED EQUAL) CONTROL JOINTS AT 30'-0" O.C. MAX. OR AS PER MANUFACTURER'S SUGGESTED DETAILS AND SPECIFICATIONS.
16. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A GAP FILLING SYSTEM OR OTHER SYSTEM WHICH SPANS ANY GAP IN THE EXTERIOR WALL SYSTEM WHICH DOES NOT MEET THE MAXIMUM SPAN OF THE APPROVED AIR BARRIER MEMBRANE SYSTEM. THIS SYSTEM SHALL BE PROVIDED TO ALLOW FOR A COMPLETE AIR BARRIER MEMBRANE INSTALLATION. THE SYSTEM SHALL BE COMPATIBLE WITH THE APPROVED AIR BARRIER PRODUCT AND SHALL BE APPROVED BY THE DESIGNER PRIOR TO INSTALLATION.
17. THE ELECTRICAL CONTRACTOR SHALL PROVIDE DISCONNECT SWITCHES, STARTERS AND ALL LINE VOLTAGE WIRING AND CONDUIT TO OH DOOR OPERATORS. THE HAND-OFF-AUTO SWITCH, PUSH BUTTON CONTROL STATION (MOMENTARY UP-STOP-DOWN) AND CONTROLLER IS FURNISHED BY THE OVERHEAD DOOR MANUFACTURER AND INSTALLED BY THE ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR IS TO PROVIDE CONDUIT AND WIRING BETWEEN THE HAND-OFF-AUTO SWITCH, THE PUSH BUTTON CONTROL STATION AND CONTROLLER PER OVERHEAD DOOR MANUFACTURER REQUIREMENTS. FURNISHING AND INSTALLATION OF THE MOTOR UNIT, OPTICAL SENSORS, PNEUMATIC DOOR SAFETY BOTTOM, LOW VOLTAGE WIRING AND ALL OTHER ACCESSORIES ASSOCIATED WITH THE OVERHEAD DOORS SHALL BE THE RESPONSIBILITY OF THE OVERHEAD DOOR CONTRACTOR.
18. ALL STRUCTURAL ELEMENTS WHICH PASS IN FRONT OF WINDOWS / CLERESTORIES SHALL BE BACK PAINTED.
19. ALL STRUCTURAL ELEMENTS SHOWN ON THE ARCHITECTURAL DRAWINGS ARE FOR INFORMATION ONLY. REFER TO STRUCTURAL DRAWINGS FOR EXACT SIZES AND LOCATION OF STRUCTURAL ELEMENTS.
20. THE CONTRACTOR SHALL PROVIDE SUPPLEMENTAL FRAMING AND OR BLOCKING AS NECESSARY TO SUPPORT ALL EXTERIOR WALL MOUNTED ELEMENTS.
21. ALL OPENINGS IN EXTERIOR WALLS FOR PLUMBING, FIRE PROTECTION, MECHANICAL, AND ELECTRICAL / FIRE ALARM SYSTEMS SHALL BE SEALED WEATHER-TIGHT BY THE CONTRACTOR. CONTRACTOR TO PROVIDE FIRE RATED SEALANTS AS REQUIRED AT FIRE RATED WALL, FLOOR, CEILING, AND ROOF ASSEMBLIES.
22. THE CONTRACTOR IS TO FIELD MEASURE OH DOOR OPENINGS TO ENSURE PROPER FIT OF OH DOORS.
23. ALL EXPOSED SURFACES (INCLUDING, BUT NOT LIMITED TO; WALLS, UNDERSIDE OF EXPOSED ROOF AND FLOOR DECK, STRUCTURAL STEEL, MISCELLANEOUS METALS, DOORS/FRAMES, DUCTWORK, CONDUIT, AND PIPING) SHALL BE PRIMED AND PAINTED.
24. BLOCKING SHALL BE PROVIDED FOR ALL WALL MOUNTED EQUIPMENT (INCLUDING, BUT NOT LIMITED TO; PLUMBING FIXTURES, TOILET ACCESSORIES, UTILITY SINKS, FIRE EXTINGUISHER CABINETS, SHELVING, COUNTERS, CASEWORK, CABINETS, MEDIA EQUIPMENT, AND WINDOW TREATMENTS). PROVIDE ADDITIONAL METAL STUD FRAMING AS REQUIRED TO SUPPORT BLOCKING.
23. THE AIR BARRIER MEMBRANE (ABM) SHALL BE CONTINUOUS THROUGH THE BUILDING ENVELOPE AND BETWEEN THE WALL AND ROOF SYSTEMS INSTALLED ON THE WINTER WARM SIDE OF THE INSULATION. OPENINGS AND PENETRATIONS IN THE BUILDING ENVELOPE SHALL BE SEALED WITH SEALANT MATERIALS OR CLOSED WITH GASKETING SYSTEMS WHICH IS COMPATIBLE WITH THE ABM SYSTEM AND MEETS THE PERFORMANCE REQUIREMENTS IN THE SPEC. SYSTEM SHALL BE COMPATIBLE WITH THE CONSTRUCTION MATERIALS AND LOCATION. JOINTS AND SEAMS SHALL BE SEALED IN THE SAME MANNER OR TAPED OR COVERED WITH A MOISTURE VAPOR-PERMEABLE WRAPPING MATERIAL. SEALING MATERIALS SPANNING JOINTS BETWEEN CONSTRUCTION MATERIALS SHALL ALLOW FOR EXPANSION AND CONTRACTION OF THE CONSTRUCTION MATERIALS. AT ALL OH DOOR JAMBS AND HEADERS, THE ABM SHALL TERMINATE AT THE STEEL FACE WHERE THE INSULATION ABUTS STEEL FRAMED OPENINGS. TERMINATE ABM ON THE INSIDE FACE OF EXTERIOR WALL SYSTEM AT DOORS, WINDOWS, LOUVERS, AND CLERESTORIES. THE TERMS VAPOR RETARDER, AND AIR MOISTURE BARRIER ARE SYNONYMOUS WITH ABM.
24. ALL WALL/PARAPET FLASHING SHALL TERMINATE WITH A MINIMUM 8" VERTICAL LEG TO ALLOW FOR PROPER INTERFACE WITH THE ABM. ABM SHALL BE INSTALLED BEHIND FLASHING AND THE FLASHING SHALL BE INTEGRATED INTO THE ABM SYSTEM USING A SELF-ADHERED MEMBRANE FLASHING WITH MINIMUM OVERLAP REQUIREMENTS PER MANUFACTURER.
25. ALL EXTERIOR AND INTERIOR MATERIAL SURFACE COLOR AND TEXTURES SHALL BE SELECTED BY THE DESIGNER FROM THE MANUFACTURES STANDARD & PREMIUM FINISH / COLOR SELECTIONS. ONCE ALL COLORS HAVE BEEN SUBMITTED, THE OWNER WILL REVIEW AND PROVIDE GUIDANCE ON COLORS FOR INCLUSION IN THE MOCK-UP REFERENCED IN DIVISION 1 OF THE SPECIFICATIONS.
26. DETAILS AND NOTES SHOWN ON THE ARCHITECTURAL DRAWINGS SHALL BE APPLICABLE TO ALL PARTS OF THE ARCHITECTURAL WORK EXCEPT WHERE SPECIFICALLY REQUIRED OTHERWISE BY THE CONTRACT DOCUMENTS. CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO THOSE SHOWN FOR LIKE CONDITIONS AS DETERMINED BY THE DESIGNER.
27. PROVIDE ALL ACCESSIBLE FIXTURES, CONTROLS & ACCESSORIES, AND APPROPRIATE CLEARANCES, AS REQUIRED FOR COMPLIANCE W/ STATE BUILDING CODE W/ ALL AMENDMENTS, TYP.
28. SEALANT DEPTH AT ALL EXTERIOR OPENINGS SHALL BE EQUAL TO THE WIDTH OF THE JOINT.
29. ALL NOTES AND DIMENSIONS DESIGNATED "TYPICAL" APPLY TO ALL LIKE OR SIMILAR CONDITIONS THROUGHOUT THE PROJECT.
30. SIGNAGE TO BE MOUNTED ON THE WALL, ADJACENT TO THE LEVER SIDE OF THE DOOR, AT A HEIGHT OF FIVE (5) FEET A.F.F. REFER TO THE FLOOR PLANS FOR LOCATIONS OF DIRECTIONAL SIGNAGE.
31. CONTRACTOR(S) TO TAKE AND VERIFY ALL DIMENSIONS AND CONDITIONS OF THE WORK AND BE RESPONSIBLE FOR COORDINATION OF THE SAME. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK.

ABBREVIATIONS:

A	
A/C	AIR CONDITION
AC	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
ADJ	ADJACENT
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
ANC BLT	ANCHOR BOLT
ANOD	ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECT
ARGB	ABUSE RESISTANT GYPSUM BOARD
ASPH	ASPHALT
AVB	AIR VAPOR BARRIER
B	
BC	BASE CABINET
BD	BOARD
BF	BRACE FRAME
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BENCH MARK
BOF	BOTTOM OF FOOTING
BOS	BOTTOM OF STEEL
BOTT	BOTTOM
BPL	BEARING PLATE
BRG	BEARING
BRK	BRICK
BS	BRICK SHELF
BSMT	BASEMENT
BVL	BEVELED
C	
CAB	CABINET
CB	CEMENT BOARD / CATCH BASIN
CDM	CAVITY DRAINAGE MATERIAL
CF	CUBIC FEET
CH	CEILING HEIGHT
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CL	CENTER LINE / COLUMN LINE
CL	CLOSET / CHAIN LINK
CLG	CEILING
CLOS	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CASED OPENING
COL	COLUMN
COMP	COMPOSITION
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTC	CONTRACTOR
CONV	CONVECTOR
COORD	COORDINATE
CORR	CORRIDOR
CPET	COMMON PATH OF EGRESS TRAVEL
CPT	CARPET
CT	CERAMIC TILE
CTR	CENTER
CW	COLD WATER
CWT	CERAMIC WALL TILE
CY	CUBIC YARD
D	
D	DRYER
D-PART	DEMOUNTABLE PARTITION
DBL	DOUBLE
DEMO	DEMOLITION
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DI	DRAIN INLET
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIST	DISTANCE
DL	DRAIN LEADER
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
DW	DISHWASHER
DWG	DRAWING
E	
EA	EACH
EF	EACH FACE
EIFS	EXTERIOR INSULATED FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
EOC	EDGE OF CONCRETE
EP	ELECTRICAL PANEL
EQ	EQUAL
EQUIP	EQUIPMENT
ER	EXISTING TO REMAIN
ES	EXPOSED STRUCTURE
EW	EACH WAY
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F	
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FAK	FIRST AID KIT
FB	FIRE BLANKET
FC	FILE CABINET
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FFE	FINISH FLOOR ELEVATION
FG	FIBERGLASS
FIN	FINISH
FLASH	FLASHING
FLR	FLOOR
FLUOR	FLUORESCENT
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOUND	FOUNDATION
FP	FIREPROOF(ING)
FR	FIRE RETARDANT
FRP	FIBERGLASS REINFORCED WALL PANEL
FRTW	FIRE RETARDANT TREATED WOOD
FSB	FILED SUB BID
FT	FEET
FTG	FOOTING
FUR	FURRING
G	
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GDRL	GUARD RAIL
GL	GLASS
GLAZ	GLAZED BLOCK
GLB	GLASS BLOCK
GN	GOOSENECK
GRT	GROUT
GWB	GYPSUM WALL BOARD
H	
HB	HOSE BIB
HC	HANDICAP
HD	HEAVY DUTY
HDWR	HARDWARE
HM	HOLLOW METAL
HOR	HORIZONTAL
HP	HIGH POINT
HT	HEIGHT
HTR	HEATER
HVAC	HEATING, VENTILATING, & AIR CONDITIONING
HW	HOT WATER
I	
ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUDED
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
IRGWB	IMPACT-RESISTANT GWB
J	
JAN	JANITOR
JST	JOIST
JT	JOINT
K	
KD	KNOCK-DOWN
KIP	1,000 LBS
KO	KNOCKOUT
KPLT	KICKPLATE
L	
L	LENGTH
LAM	LAMINATE
LAV	LAVATORY
LBL	LABEL
LC	LEAD COATED
LCC	LEAD COATED COPPER
LGMF	LIGHT-GAUGE METAL FRAMING
LIN	LINOLEUM
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LSC	LIFE SAFETY CODE
LT	LIGHT
M	
M	METER
MANUF	MANUFACTURER
MAS	MASONRY
MAT	MATERIAL
MAX	MAXIMUM
MB	MOSITURE BARRIER
MBL	MARBLE
MBM	METAL BUILDING MANUFACTURER
MBR	MEMBER
MC	MEDICINE CABINET
MDF	MEDIUM DENSITY FIBERBOARD
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
ML	MATCH LINE
MLDG	MOULDING
MO	MASONRY OPENING
MOD	MODULAR
MR	MOISTURE RESISTANT
MRGB	MOISTURE RESISTANT GYPSUM BOARD
MS	METAL STUD
MTD	MOUNTED
MTL	METAL
MTP	METAL TOILET PARTITION
N	
N/A	NOT APPLICABLE
NAT	NATURAL
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
NUM	NUMBER
NW	NEW
O	
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD DOOR
OPNG	OPENING
OPP	OPPOSITE
OPPHAND	OPPOSITE HAND
OSB	ORIENTED STRAND BOARD
OTS	OPEN TO STRUCTURE
OW	OPERABLE WALL
OZ	OUNCE
P	
PART BD	PARTICLE BOARD
PAV	PAVING
PCP	PRECAST CONCRETE PLANK
PERIM	PERIMETER
PL	PROPERTY LINE / PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTIC
PLY	PLYWOOD
PMJF	PRE-MOLDED JOINT FILLER
PNT	PAINT
PR	PAIR
PREFIN	PREFINISHED
PRFB	POURED RESIN FLOOR BASE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
Q	
QT	QUARRY TILE
R	
R	RISER
R & D	REMOVE & DISPOSE
R & R	REMOVE AND REPLACE
R & S	REMOVE AND SALVAGE
RAD	RADIUS
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFRIGERATOR
REFURB	REFURBISH
REINF	REINFORCEMENT
RELOC	RELOCATED
REM	REMOTE
REQ'D	REQUIRED
RES	RESILIENT
REV	REVISION
RFG	ROOFING
RFI	RIGID FOAM INSULATION
RFS	RESINOUS FLOOR SYSTEM
RH	RIGHT HAND
RL	ROOF LADDER
RM	RUBBER MAT
RM	ROOM
RO	ROUGH OPENING
RT	RUBBER TILE
RTU	ROOF TOP UNIT
RUB	RUBBER
S	
S	SEALANT
S.L.	STRUCTURAL LINE
SACI	SPRAY-APPLIED CELLULOSE INSULATION
SACP	SECURITY ALARM CONTROL PANEL
SAFI	SPRAY-APPLIED FOAM INSULATION
SCHED	SCHEDULE
SCR	SHOWER CURTAIN ROD
SCW	SOLID CORE WOOD
SD	SOAP DISPENSER
SECT	SECTION
SF	SQUARE FEET
SH	SINGLE HUNG
SHR	SHOWER
SIM	SIMILAR
SND	SANITARY NAPKIN DISPENSER
SNV	SANITARY NAPKIN VENDOR
SOLSUR	SOLID SURFACE (COUNTER)
SPC	SPECIAL
SPEC	SPECIFICATION
SQ	SQUARE
SR	SHEET RUBBER
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURE or STRUCTURAL
SUSP	SUSPENDED or SUSPENSION
SV	SHEET VINYL
SYS	SYSTEM(S)
T	
T & B	TOP AND BOTTOM
T & G	TONGUE AND GROOVE
TB	TRASH BARREL
TBA	TO BE ABANDONED
TBB	TILE BACKER BOARD
TBD	TO BE DETERMINED
TBOC	TOP BACK OF CURB
TEL	TELEPHONE
TEMP	TEMPORARY
THK	THICK(NESS)
THRESH	THRESHOLD
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOL	TOP OF LANDING
TOP	TOP OF PLATE
TOS	TOP OF STEEL
TOW	TOP OF WALL
TP	TRANSLUCIENT PANEL
TR	TREAD
TS	TUBULAR STEEL
TTD	TOILET TISSUE DISPENSER
TW	TO WEATHER
TYP	TYPICAL
U	
UC	UNDERCUT
UG	UNDERGROUND
UND	UNDERSIDE (OF DECK)
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UV	UNIT VENTILATOR
V	
VB	VINYL BASE / VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VPD	VENEER PLASTER BASE
VS	VENT STACK
VT	VINYL TREAD
VTS	VINYL TRANSITION STRIP
VWB	VINYL WALL BASE
VWC	VINYL WALL COVERING
W	
W	WASHER
W/	WITH
W/O	WITHOUT
WB	WOOD BASE
WC	WALL CABINET
WD	WOOD
WDC	WATERPROOFING, DAMPPROOFING, & CAULKING CONTRACTOR
WF	WIRE FABRIC
WG	WIRE GLASS
WH	WALL HUNG
WIN	WINDOW
WP	WATER PROTECTION
WPG	WATERPROOF(ING)
WR	WATER RESISTANT
WS	WATER STOP
WT	WEIGHT
WWF	WELDED WIRE FABRIC

SYMBOLS:

EXTERIOR ELEVATION

INTERIOR ELEVATION

BUILDING SECTION

WALL SECTION

DETAIL

PARTITION TYPE

EXTERIOR WALL ASSEMBLY

DOOR TYPE or VISION PANEL (VP)

WINDOW TYPE

ROOF TYPE

SPECIFIC DEMOLITION NOTE

SPECIFIC CONSTRUCTION NOTE

CHANGE IN PLANE

LEADER

DIMENSION

CHANGE IN ELEVATION

CONTROL JOINT

ELEVATION or WORK POINT (WP)

COLUMN GRID

EXISTING COLUMN GRID

ALIGN SURFACES

REVISION MARKER

ROOM TAG

DRAWING TITLE (ORIGINAL TAG REFERENCE LOCATED NEXT TO SCALE)

LEGEND:

RIGID/SEMI-RIGID INSULATION

CONCRETE

SAND / P.C. CONCRETE

PARTICLE BOARD / MDF

PLYWOOD/MDO

FINISH WOOD

ALUMINUM

STEEL

PVC

FIBER CEMENT

CONCRETE MASONRY UNIT

BRICK

MORTAR

GROUT

TERRA COTTA

EARTH

GRAVEL

SPRAY FOAM

INSULATED METAL PANEL

WOOD STUDS/FRAMING (DIMENSIONAL LUMBER)

WOOD BLOCKING

BATT INSULATION / SOUND ATTENUATION BLANKET

MATCHLINE

Project:
CITY OF ROCHESTER, NH
LEDGEVIEW SEWER PUMP STATION UPGRADE
54A LEDGEVIEW DRIVE
ROCHESTER, NH 03868

Weston & Sampson
Weston & Sampson Engineers, Inc.
55 Walkers Brook Drive, Suite 100
Reading, MA 01867
978.532.1900 800.SAMPSON
www.westonandsampson.com

Consultants:

Revisions:

No.	Date	Description
1	03/07/2024	90% DESIGN REVIEW
2	04/24/2024	ISSUED FOR BIDDING

COA:

Seal: LICENSED ARCHITECT — DANIEL G. TENNEY III — No. 04376 — STATE OF NEW HAMPSHIRE

Issued For: ISSUED FOR BIDDING

Scale: As indicated

Key Plan:

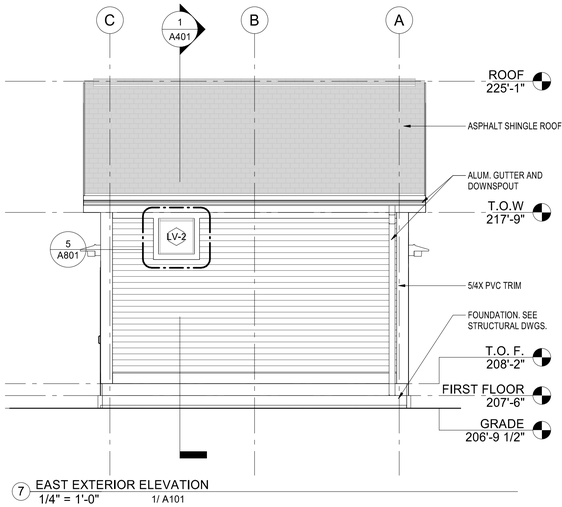
Date: 04/24/2024
Drawn By: DGG
Reviewed By: JC
Approved By: DT
W&S Project No.: ENG23-0367
W&S File No.:

Drawing Title: ABBREVIATIONS, SYMBOLS, LEGEND & GENERAL NOTES

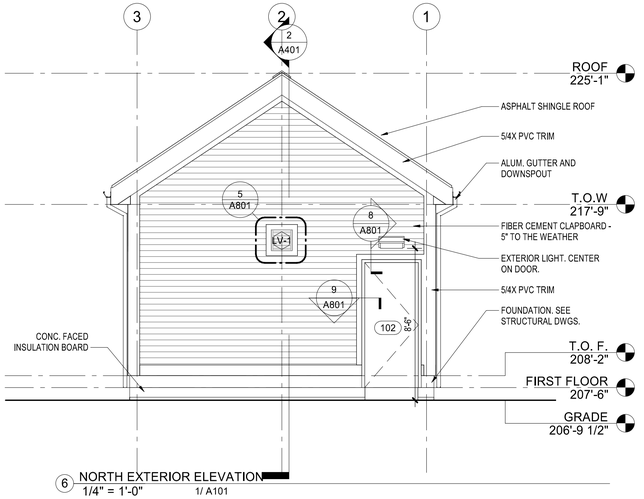
Sheet Number: A001

FLOOR PLAN GENERAL NOTES:

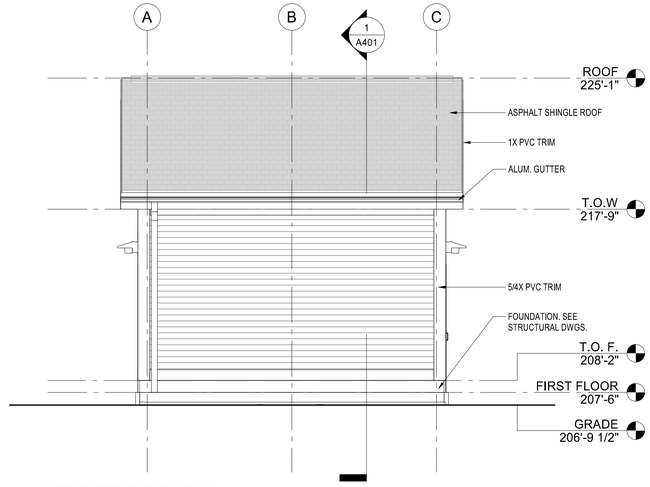
1. EQUIPMENT SHOWN FOR REFERENCE ONLY. SEE PROCESS DRAWINGS FOR MORE INFO.
2. ALL INTERIOR DIMENSIONS ARE TAKEN FROM FACE OF PLYWOOD WALL BOARD TO FACE OF PLYWOOD WALL BOARD UNLESS SPECIFICALLY NOTED OTHERWISE.



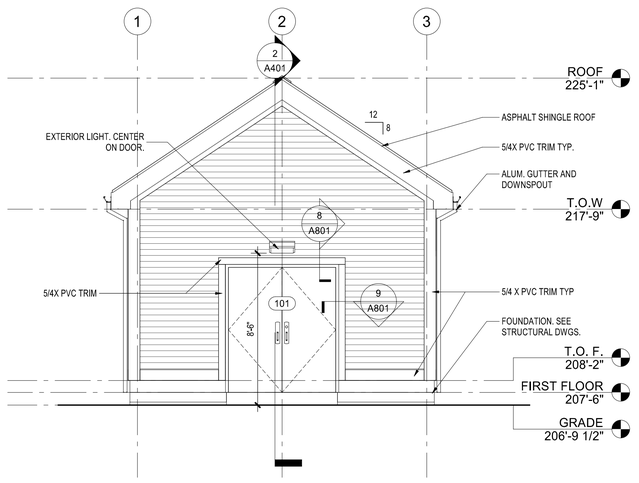
7 EAST EXTERIOR ELEVATION
1/4" = 1'-0" 1/ A101



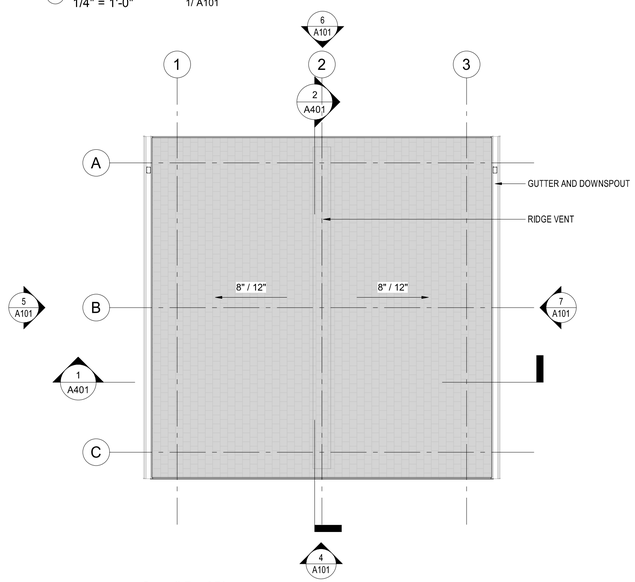
6 NORTH EXTERIOR ELEVATION
1/4" = 1'-0" 1/ A101



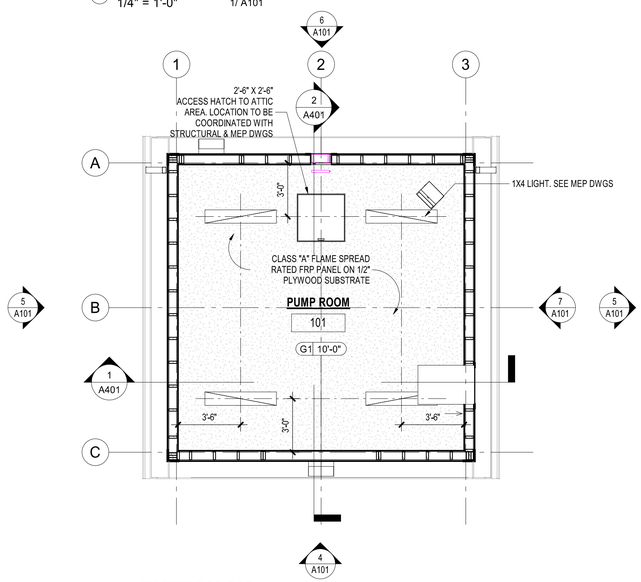
5 WEST EXTERIOR ELEVATION
1/4" = 1'-0" 1/ A101



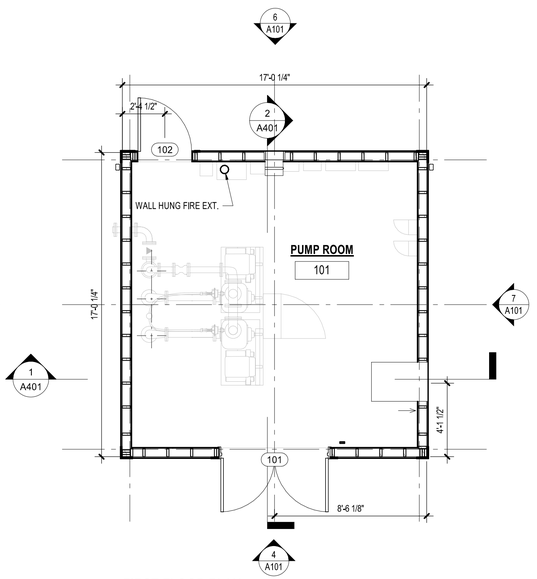
4 SOUTH EXTERIOR ELEVATION
1/4" = 1'-0" 1/ A101



3 Overall Roof Plan
1/4" = 1'-0" 4/ A101



2 FIRST FLOOR RCP
1/4" = 1'-0" 4/ A101



1 FIRST FLOOR PLAN
1/4" = 1'-0" 4/ A101

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COA:

Seal:

LICENSED ARCHITECT
DANIEL G. TENNEY III
No. 04378
STATE OF NEW HAMPSHIRE

Issued For:
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Scale: As indicated

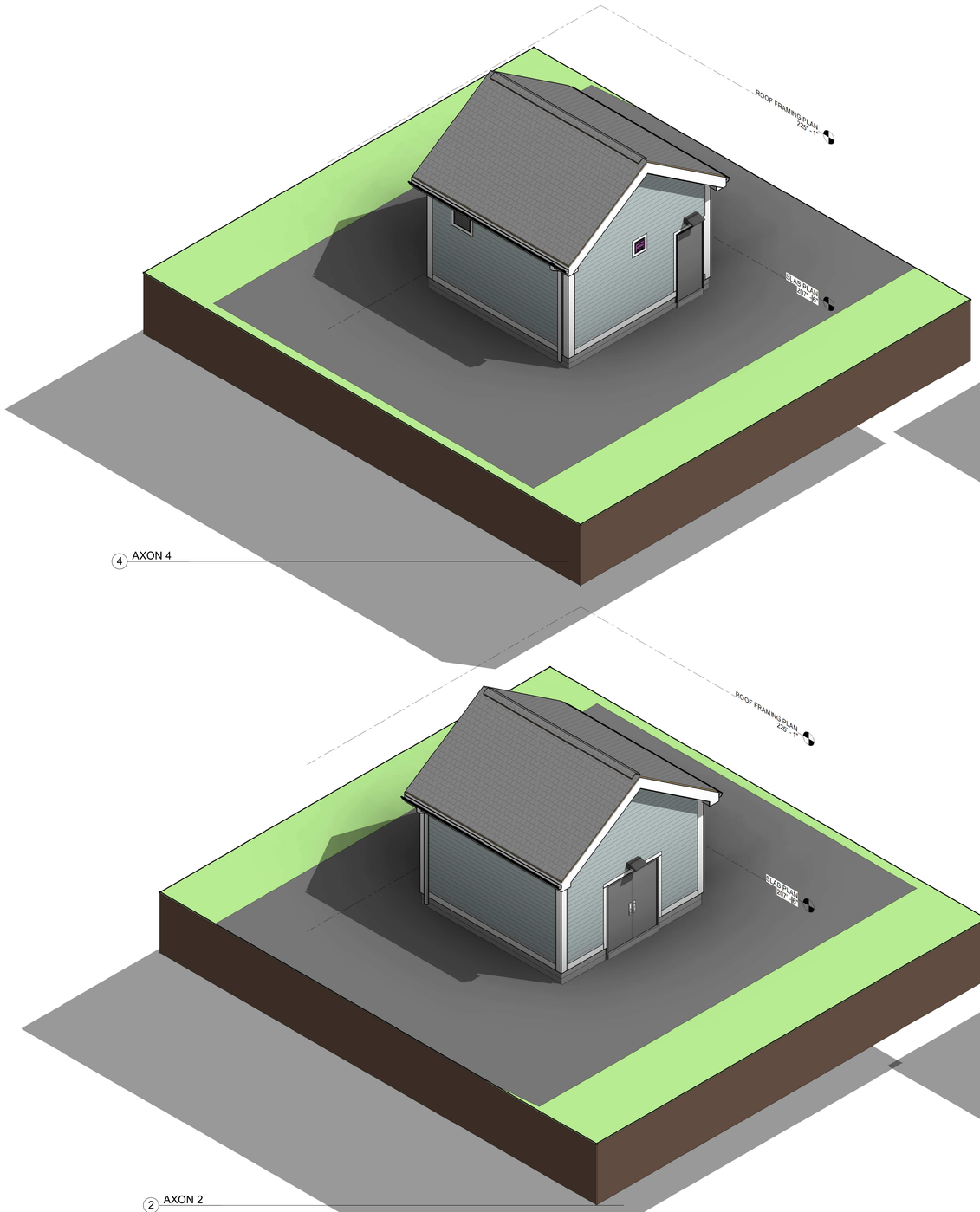
Key Plan:

Date: 04/24/2024
Drawn By: DGG
Reviewed By: JC
Approved By: DT

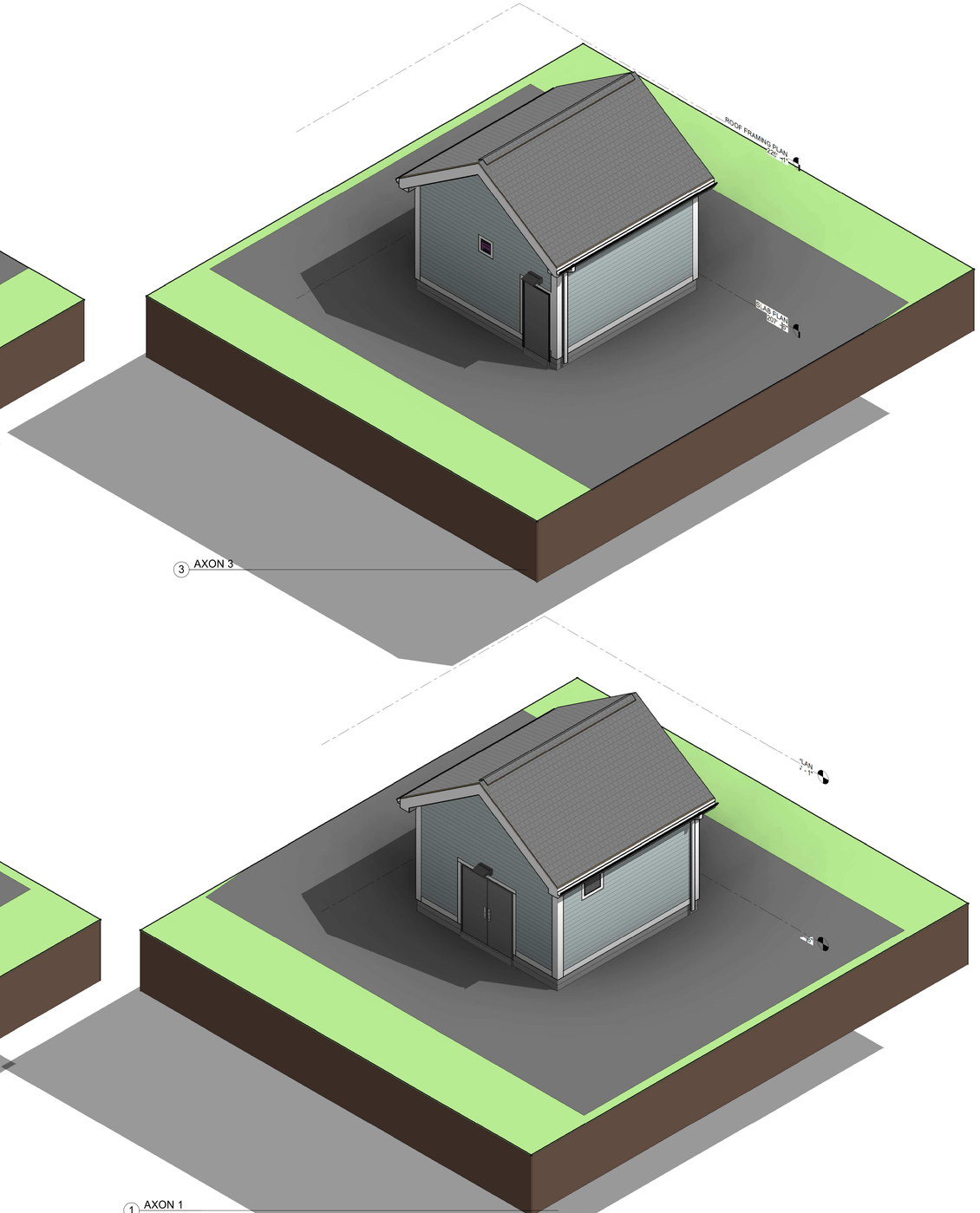
W&S Project No.: ENG23-0367
W&S File No.:

Drawing Title:
OVERALL FLOOR PLANS

Sheet Number:
A101



4 AXON 4



3 AXON 3

2 AXON 2

1 AXON 1

NOTE: 3D VIEWS ARE PROVIDED FOR REFERENCE ONLY. REFER TO PLANS, ELEVATIONS, SECTIONS, DETAILS AND SCHEDULES FOR BUILDING REQUIREMENTS.

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DANIEL G. TENNEY III
No. 04378
THE STATE OF NEW HAMPSHIRE

Issued For:
ISSUED FOR BIDDING

Scale: 1/8" = 1'-0"

Key Plan:

Date:	04/24/2024
Drawn By:	DGG
Reviewed By:	JC
Approved By:	DT
W&S Project No.:	ENG23-0367
W&S File No.:	

Drawing Title:
3D VIEWS

Sheet Number:
A231