

ROCK RIVER WATER RECLAMATION DISTRICT

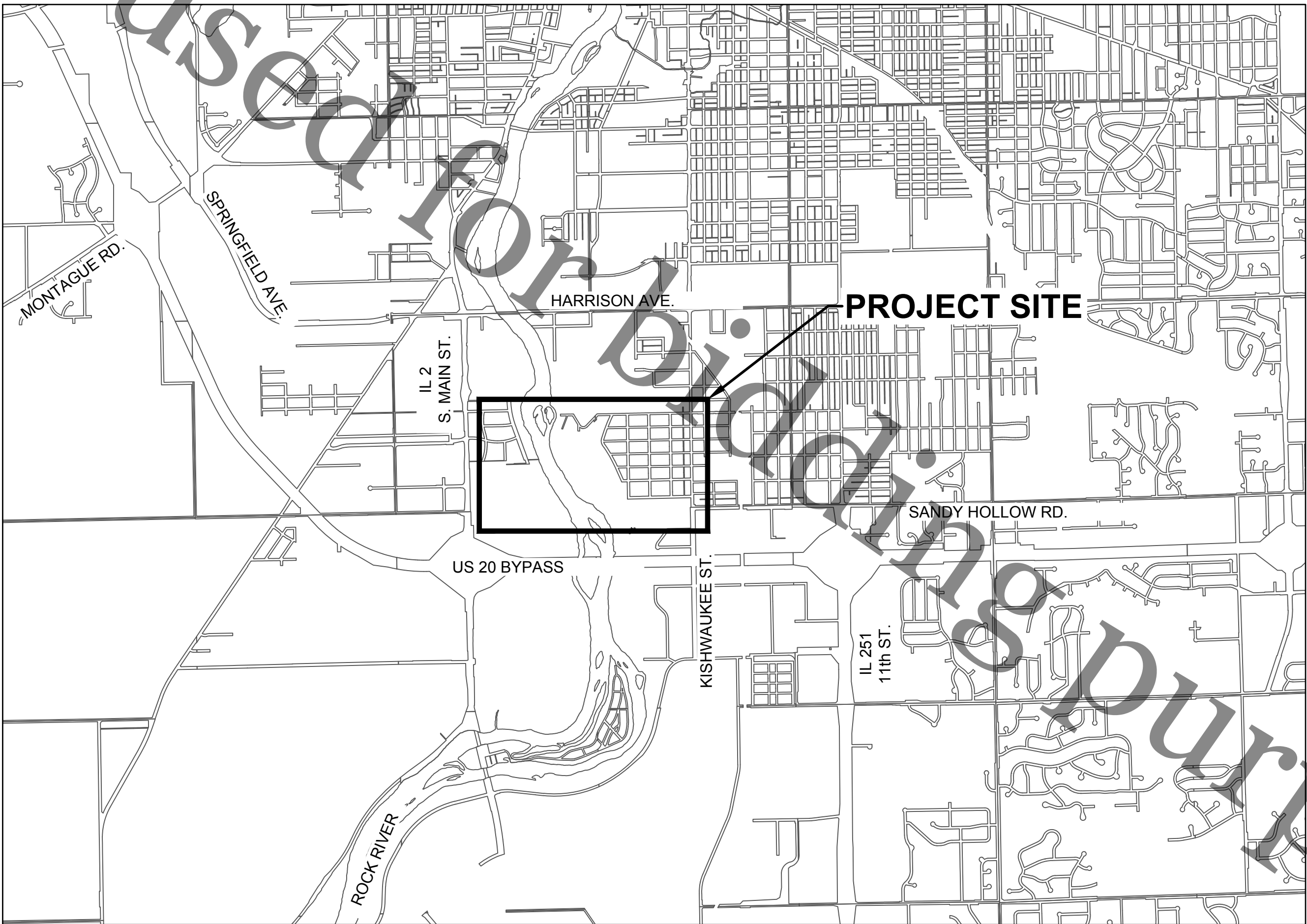
POLYMER TANK REPLACEMENT CAPITAL IMPROVEMENT PROJECT #1850 2018

BOARD OF TRUSTEES

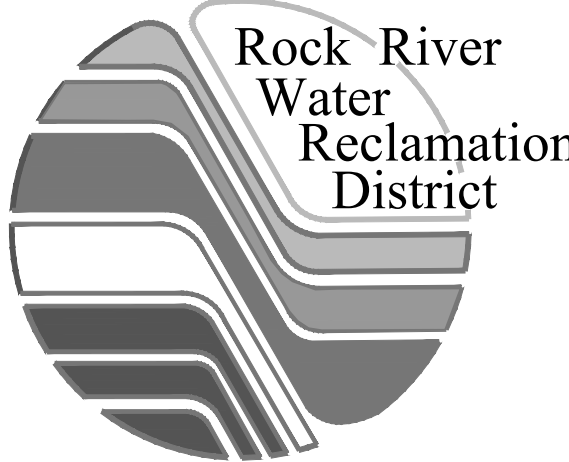
DONALD MASSIER	PRESIDENT
ELMER JONES	VICE-PRESIDENT
RICHARD POLLACK	CLERK/TREASURER
JOHN SWEENEY	TRUSTEE
BEN BERNSTEN	TRUSTEE

OFFICIALS

TIMOTHY S. HANSON	DISTRICT DIRECTOR
CHRISTOPHER T. BAER, PE	ENGINEERING MANAGER

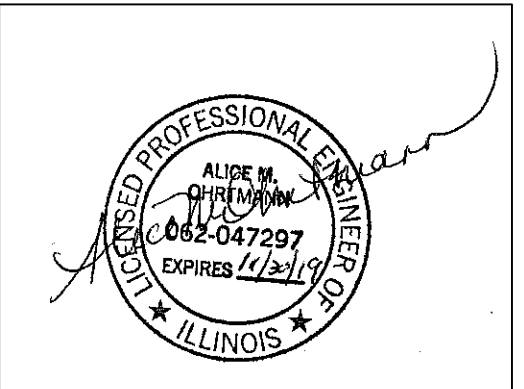


WINNEBAGO COUNTY, ILLINOIS



INDEX OF SHEETS

- 1 COVER
- 2 LEGEND, GENERAL NOTES, & SUMMARY OF QUANTITIES
- 3 DEMOLITION PLAN
- 4 STRUCTURAL PLAN & SECTION
- 5 PLUMBING PLAN
- 6 DETAILS



8/8/2018

file: I:\District Projects\Polymer Tank Replacement 1850\Engineering\Drawgs\1850 Polymer Tank Replacement.dwg

LEGEND	
EXISTING	PROPOSED
	YARD HYDRANT
	GATE VALVE
	CHECK VALVE
	PLUG VALVE
	BALL VALVE

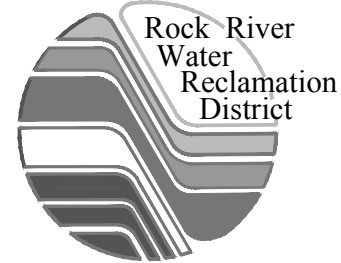
ABBREVIATIONS	
SAN. = SANITARY	LF = LINEAR FEET
MH = MANHOLE	FT = FEET
C.O. = CLEANOUT	SY = SQUARE YARD(S)
VCP = VITRIFIED CLAY PIPE	EA = EACH
LINCIPP = LINED WITH CURED IN PLACE PIPE	CY = CUBIC YARD(S)
RCP = REINFORCED CONCRETE PIPE	LS = LUMP SUM
DI = DUCTILE IRON	PVMNT = PAVEMENT
CMP = CORRUGATED METAL PIPE	TY.= TYPE
ABD.= ABANDON(ED)	UNK.= UNKNOWN
REM.= REMOVE(D)	EL.= ELEVATION
REPL.= REPLACE(D)	EX.= EXISTING
	PR.= PROPOSED

	DETAIL DESC. SCALE: AS NOTED	= DETAIL OR SECTION #, SHEET DETAIL OR SECTION IS ORIGINATED FROM, DESCRIPTION, AND SCALE.
		= SECTION #, SHEET SECTION IS SHOWN ON.
		= DETAIL #, SHEET DETAIL IS SHOWN ON, AND POINT OF VIEW.

SUMMARY OF QUANTITIES

No.	ITEM	UNIT	QTY.
1	DOUBLE WALLED POLYMER STORAGE TANK	1	EA
2	CAST-IN-PLACE CONCRETE	5.1	CY
3	POLYMER FILL LINE, 4" PVC PIPE, COMPLETE	31.3	LF
4	POLYMER FEED LINE, 1" PVC PIPE, COMPLETE	7.0	LF
5	REMOVAL AND DISPOSAL OF CATWALK, COMPLETE	1	EA

PROJECT LOCATION & ACCESS MAP



ROCK RIVER WATER
RECLAMATION DISTRICT
3501 KISHWAUKEE STREET
ROCKFORD, ILLINOIS 61109
(815) 387-7660

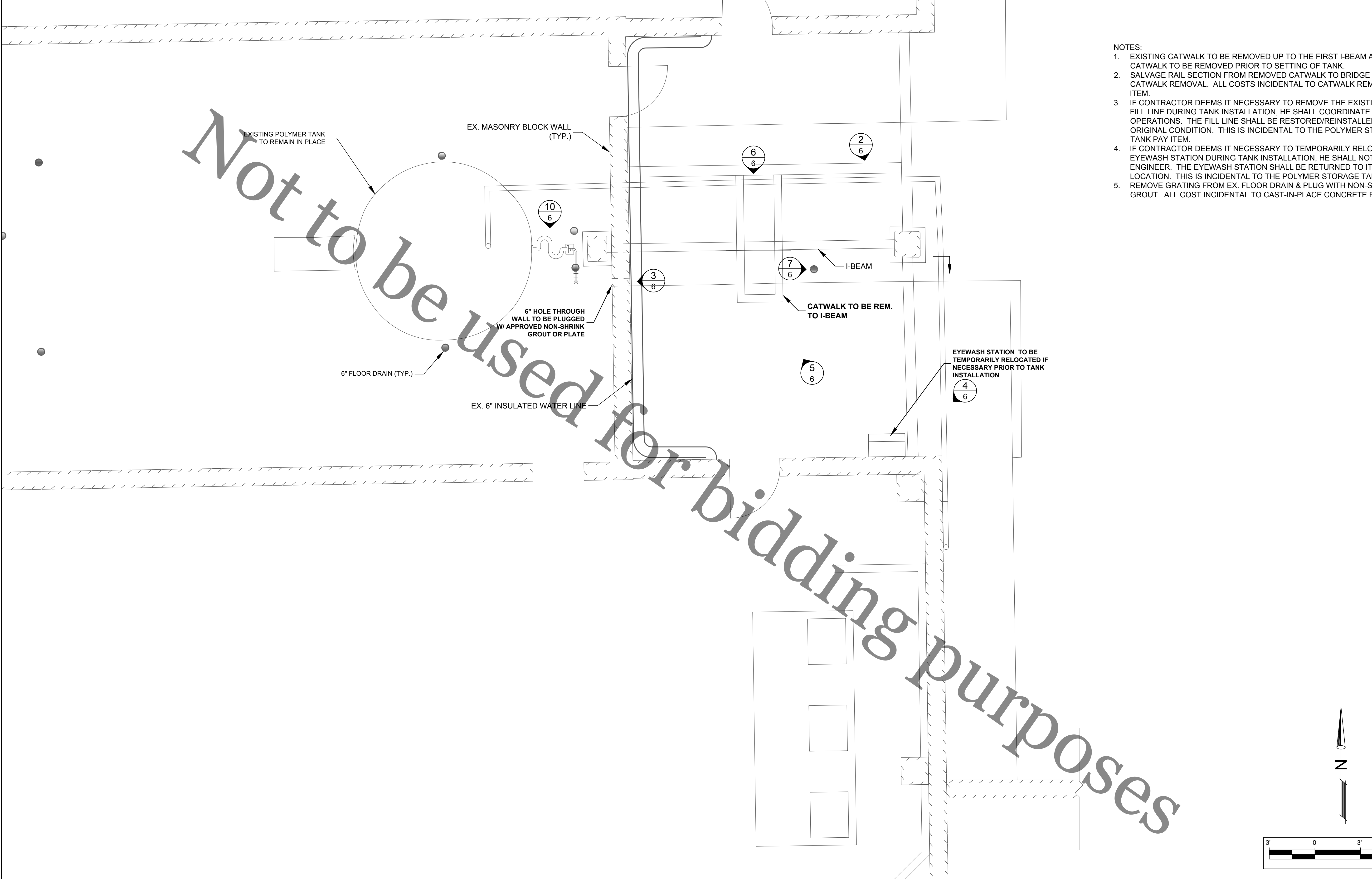
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Designed: AO Drafted: WS/KG Approved: JVA/CTB			

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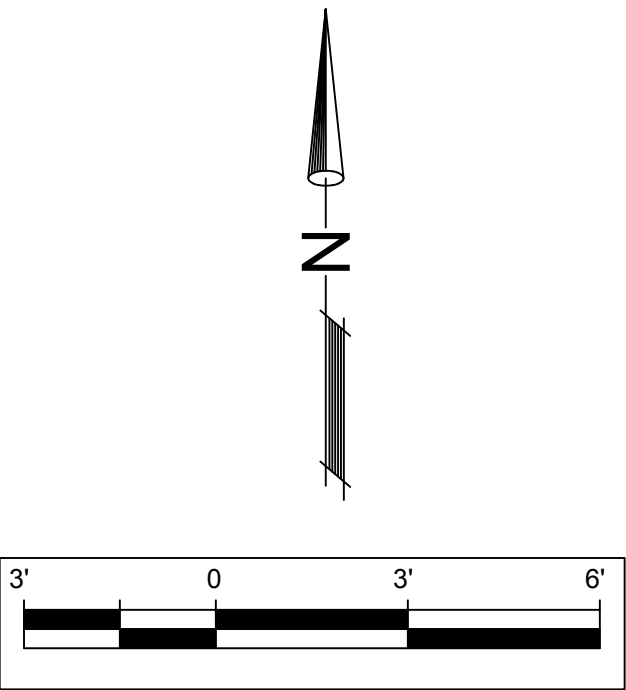
LEGEND, GENERAL NOTES, & SUMMARY OF QUANTITIES

FOR BID

Sheet No.
2 of 6
Date
8/14/2018



- NOTES:
1. EXISTING CATWALK TO BE REMOVED UP TO THE FIRST I-BEAM AS SHOWN. CATWALK TO BE REMOVED PRIOR TO SETTING OF TANK.
 2. SALVAGE RAIL SECTION FROM REMOVED CATWALK TO BRIDGE GAP LEFT BY CATWALK REMOVAL. ALL COSTS INCIDENTAL TO CATWALK REMOVAL PAY ITEM.
 3. IF CONTRACTOR DEEMS IT NECESSARY TO REMOVE THE EXISTING POLYMER FILL LINE DURING TANK INSTALLATION, HE SHALL COORDINATE WITH PLANT OPERATIONS. THE FILL LINE SHALL BE RESTORED/REINSTALLED TO ITS ORIGINAL CONDITION. THIS IS INCIDENTAL TO THE POLYMER STORAGE TANK PAY ITEM.
 4. IF CONTRACTOR DEEMS IT NECESSARY TO TEMPORARILY RELOCATE EYEWASH STATION DURING TANK INSTALLATION, HE SHALL NOTIFY THE ENGINEER. THE EYEWASH STATION SHALL BE RETURNED TO IT'S ORIGINAL LOCATION. THIS IS INCIDENTAL TO THE POLYMER STORAGE TANK PAY ITEM.
 5. REMOVE GRATING FROM EX. FLOOR DRAIN & PLUG WITH NON-SHRINK GROUT. ALL COST INCIDENTAL TO CAST-IN-PLACE CONCRETE PAY ITEM.



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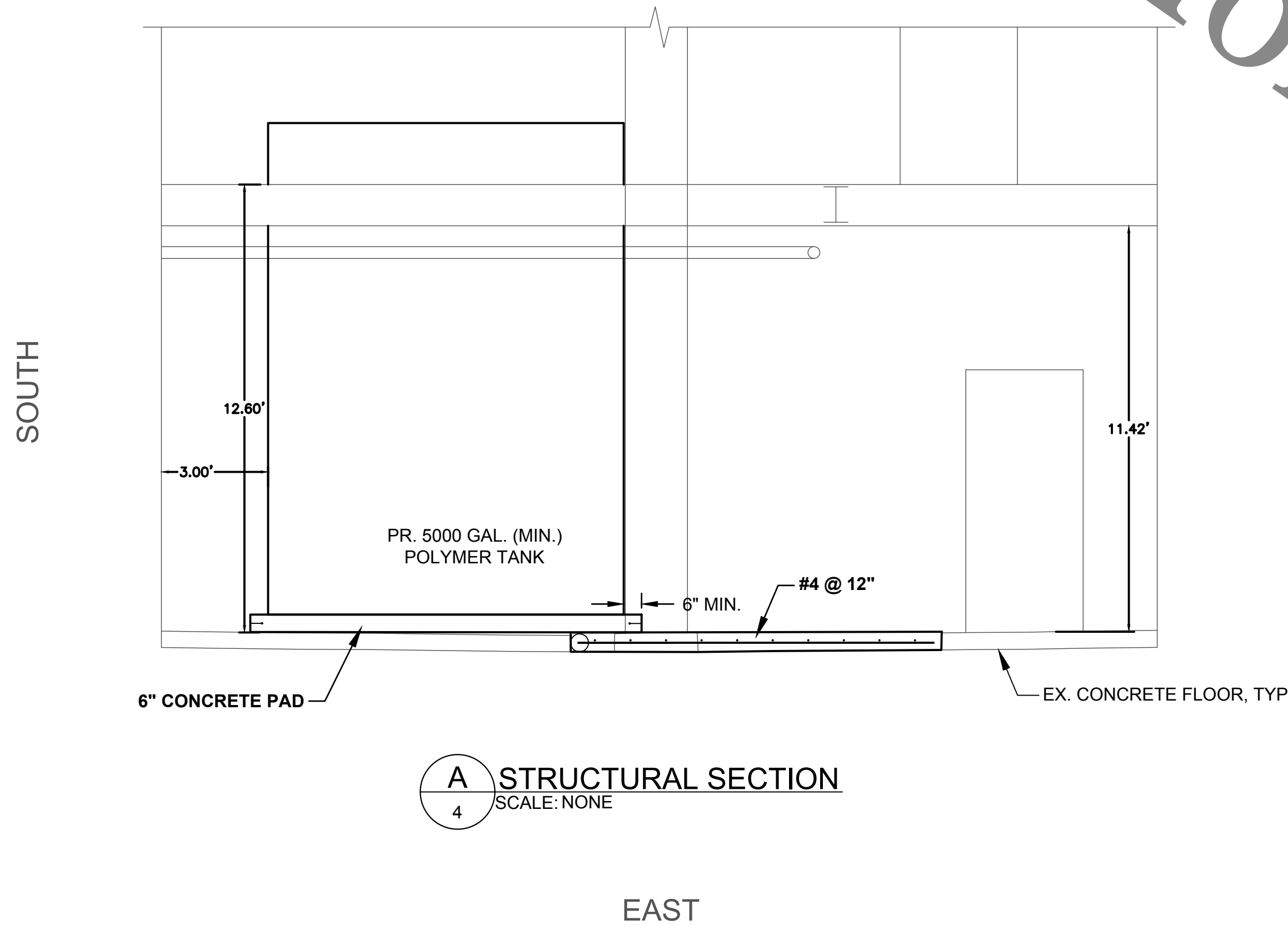
DEMOLITION PLAN
DEWATERING BUILDING

FOR BID

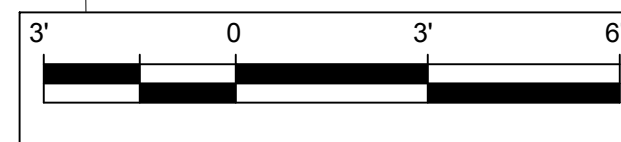
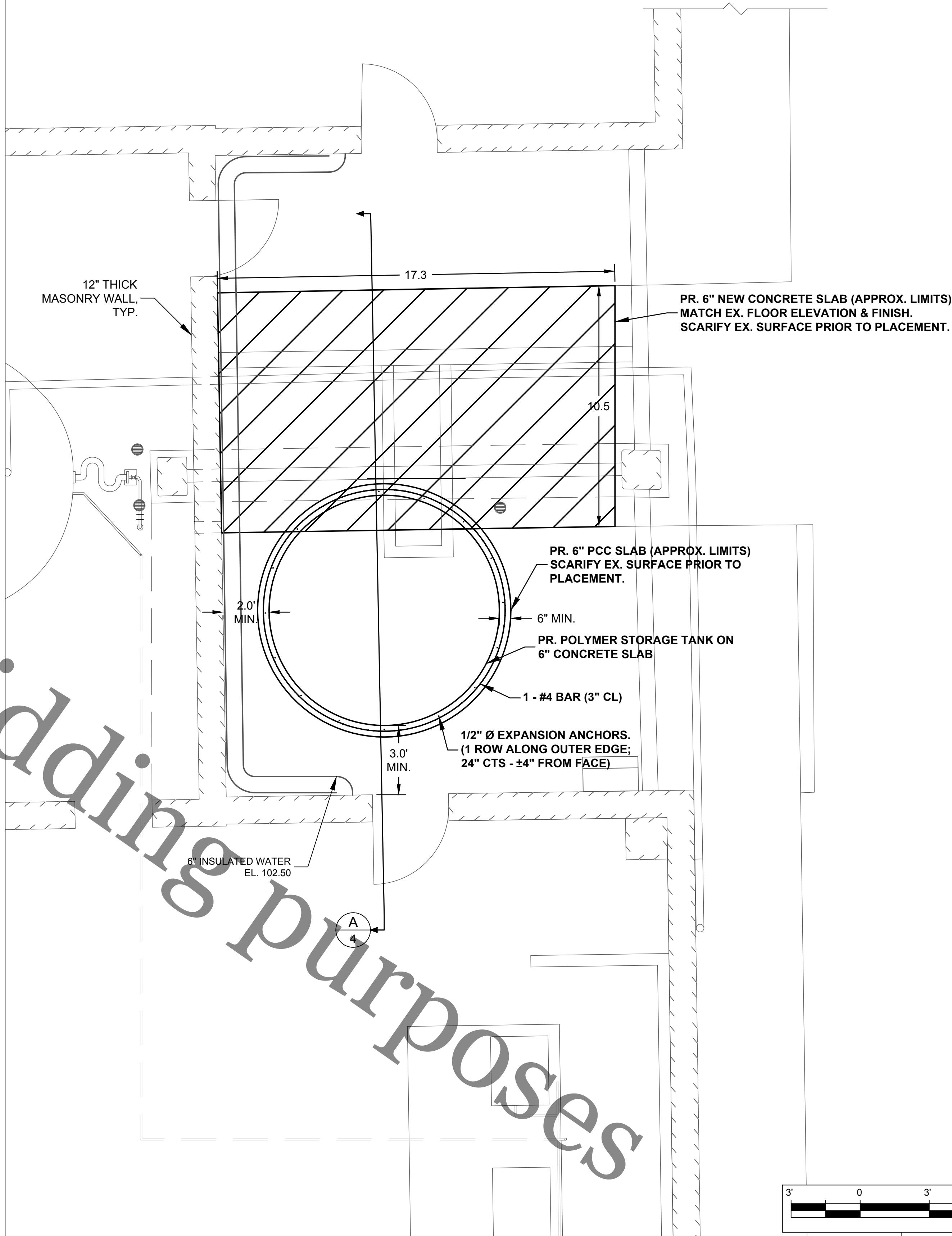
Sheet No.
3 of 6
Date
8/14/2018

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A POLYMER STORAGE TANK THAT IS A MINIMUM OF 5,000 GALLONS AND CAN BE INSTALLED INTO THE AREA SHOWN ON THE DRAWINGS.
2. ANY ITEM THAT MUST BE TEMPORARILY REMOVED DURING TANK INSTALLATION SHALL BE RESTORED/REINSTALLED AT NO ADDITIONAL COST TO THE DISTRICT.
3. THE DIAMETER OF THE 6" CONCRETE PAD UNDER THE POLYMER TANK WILL BE DETERMINED AFTER THE POLYMER TANK HAS BEEN APPROVED BY THE DISTRICT. THE CONCRETE PAD DIAMETER MUST BE A MINIMUM OF 12" LARGER THAN THE TANK DIAMETER. THE CONTRACTOR SHALL CENTER THE POLYMER TANK ON THE CONCRETE PAD.
4. CONTRACTOR SHALL ALLOW TIME FOR CONCRETE TO COME TO FULL STRENGTH, AS DETERMINED BY TESTING OR 14 DAY MINIMUM, PRIOR TO SETTING POLYMER TANK.



A
4
STRUCTURAL SECTION
SCALE: NONE



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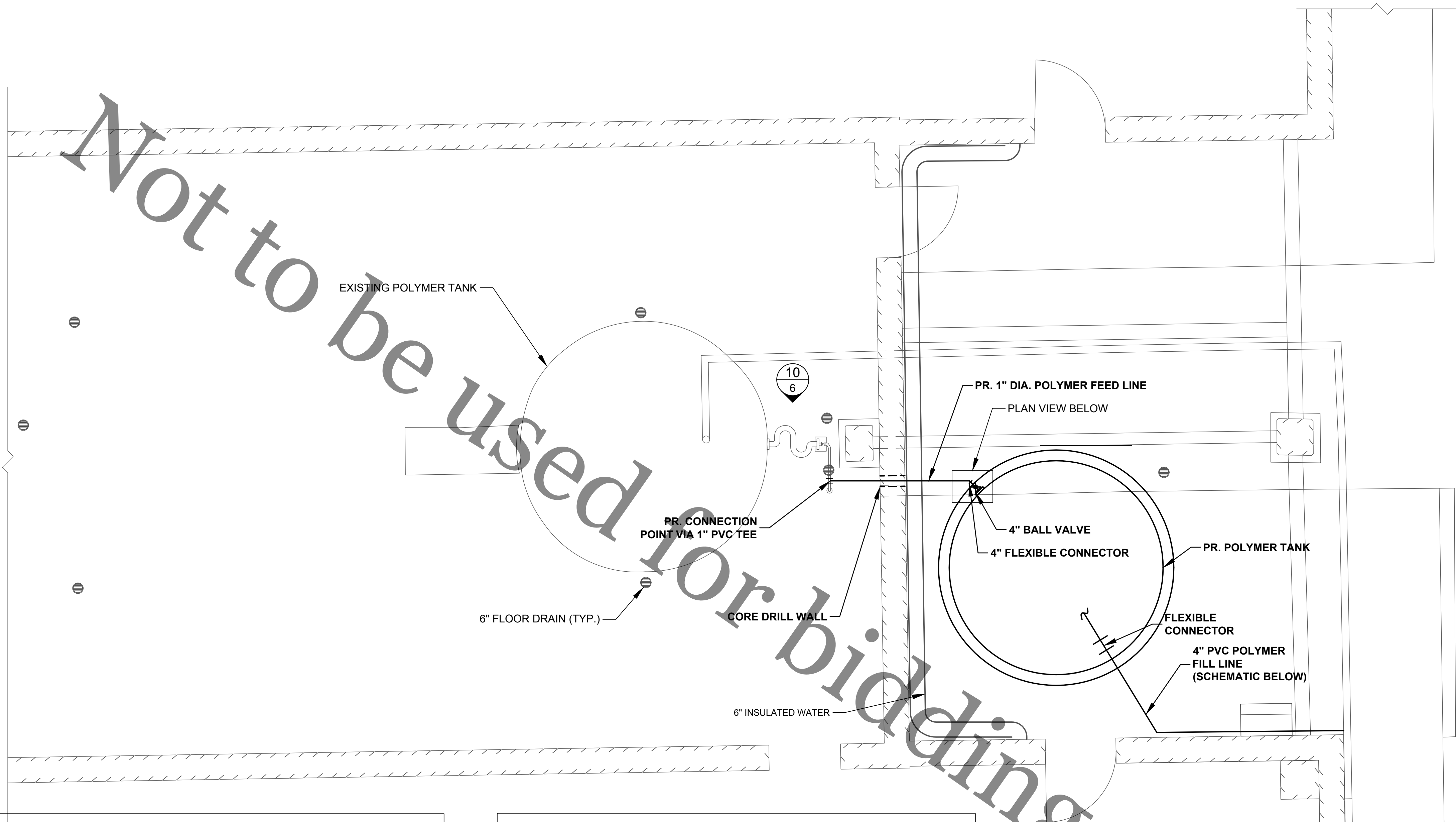
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**POLYMER TANK REPLACEMENT
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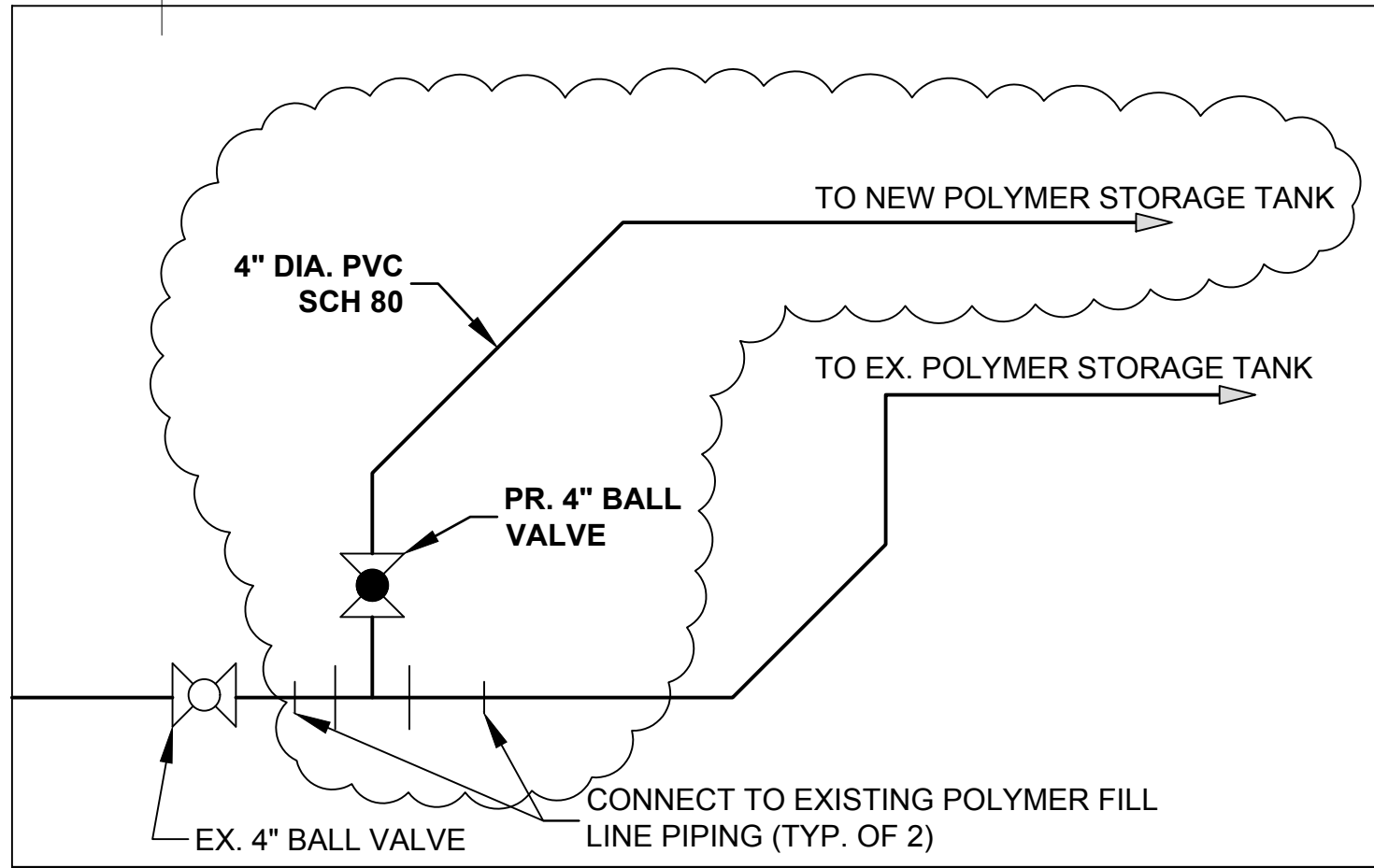
**STRUCTURAL PLAN & SECTION
DEWATERING BUILDING**

FOR BID

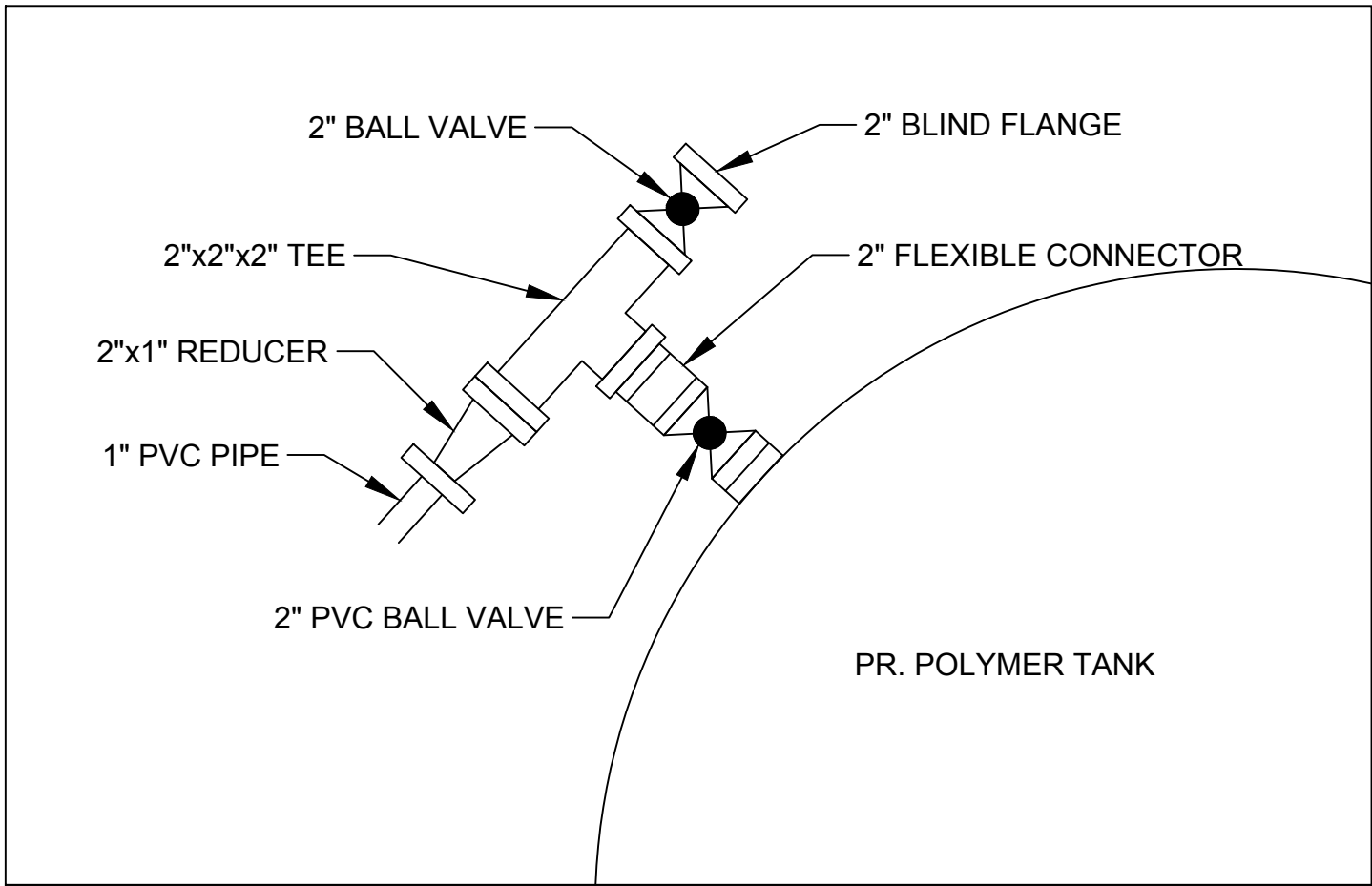
Sheet No.
4 of 6
Date
8/14/2018



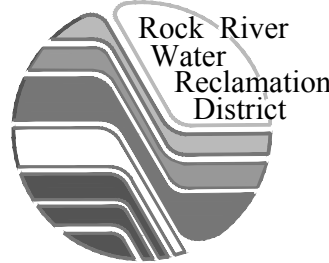
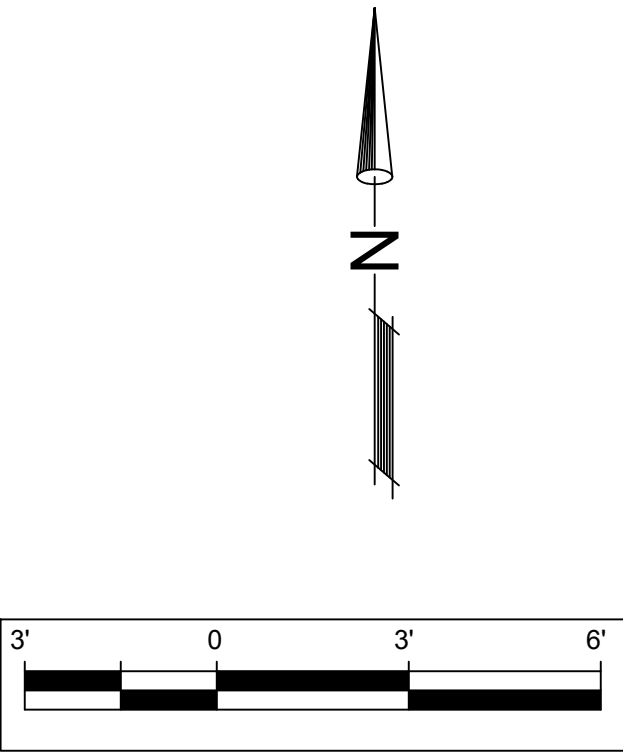
- NOTES:
1. FLEXIBLE CONNECTOR SHALL BE STYLE RECOMMENDED BY TANK MANUFACTURER AND APPROVED BY DISTRICT.
 2. CONTRACTOR SHALL CORE DRILL THE EXISTING MASONRY BLOCK WALL FOR THE 1" DIA. POLYMER FEED LINE. THE EDGES ON BOTH SIDES OF WALL SHALL BE LEFT WITH A SMOOTH FINISH WITH PAINT TOUCHED UP AS NECESSARY.
 3. CONTRACTOR SHALL COORDINATE INTERRUPTION OF POLYMER SUPPLY WITH DISTRICT.



POLYMER FILL LINE SCHEMATIC
SEE DETAIL 11 SHEET 6



POLYMER FEED LINE PLAN



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**PLUMBING PLAN
DEWATERING BUILDING**

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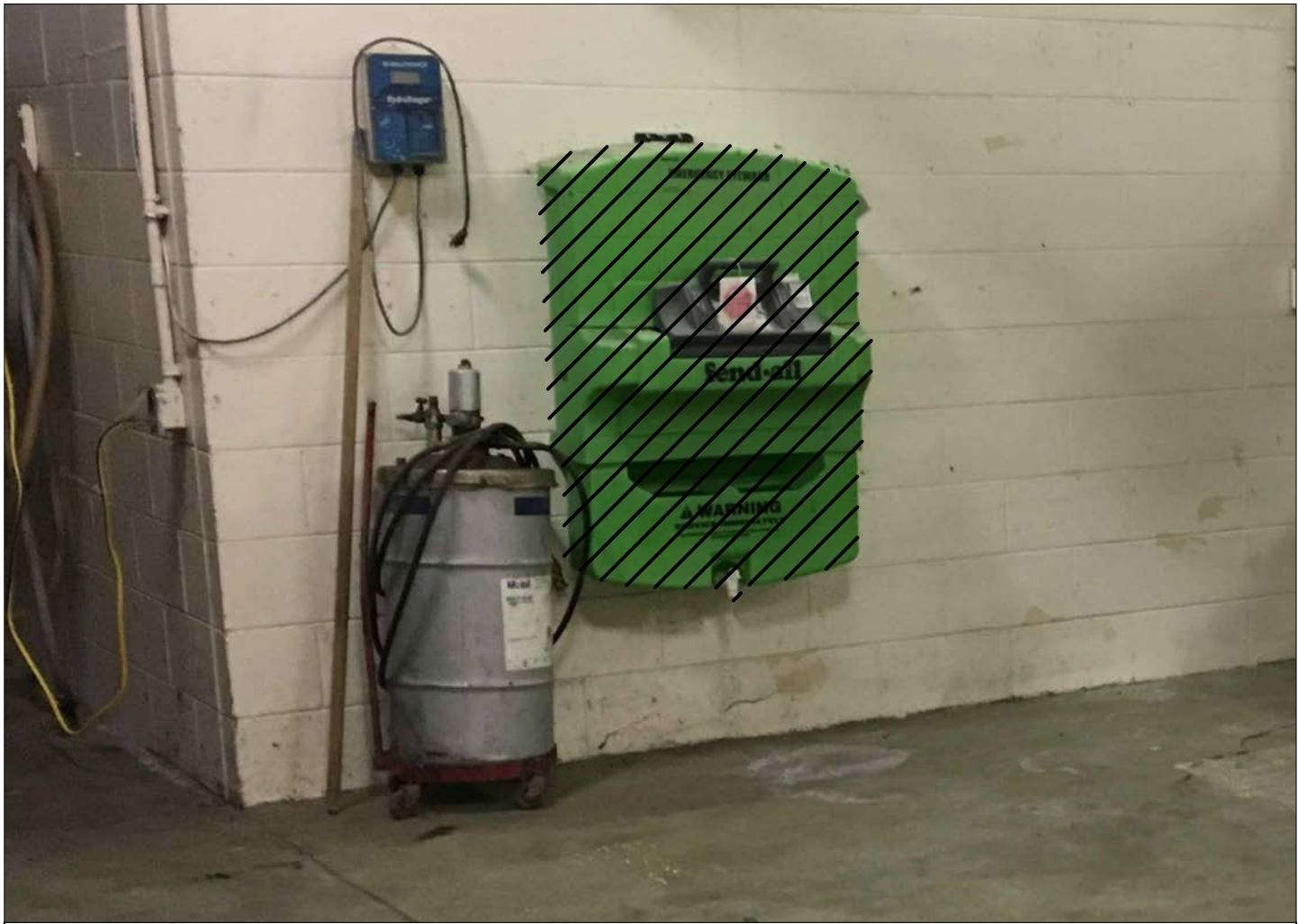
Sheet No.
5 of 6
Date
8/14/2018



2 4" POLYMER SUPPLY
3 SCALE: NONE



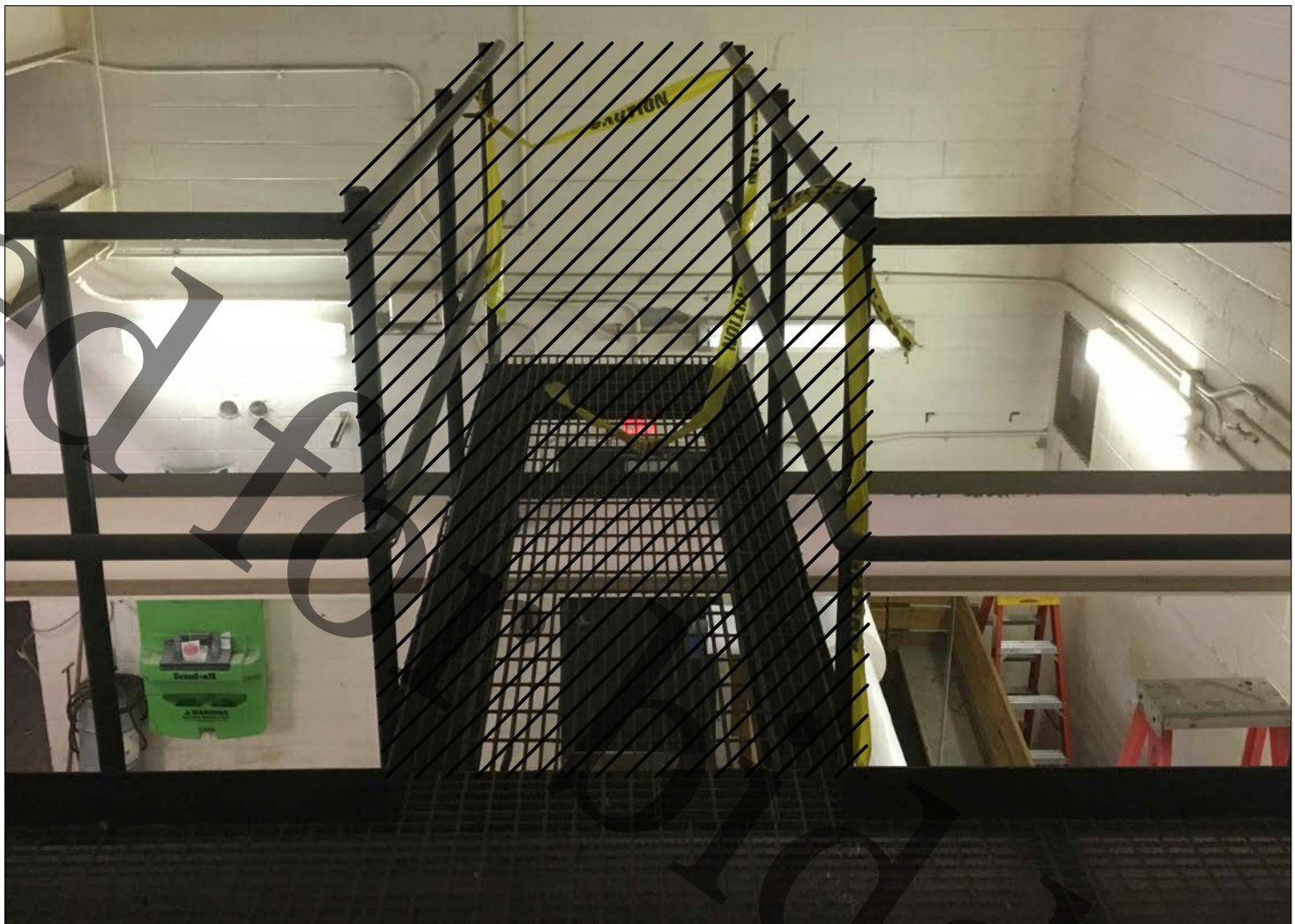
3 6" HOLE IN WEST WALL TO BE PLUGGED
3 SCALE: NONE



4 EYEWASH STATION
3 SCALE: NONE



5 CATWALK TO BE REMOVED
3 SCALE: NONE



6 CATWALK TO BE REMOVED
3 SCALE: NONE



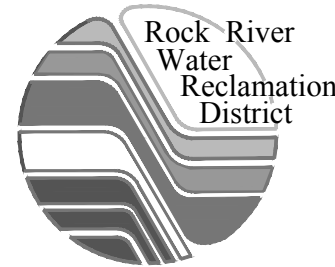
7 FLOOR DRAIN TO BE REMOVED
3 SCALE: NONE



10 EX. TANK OUTLET PIPING
3, 5 SCALE: NONE



11 EX. 4" PVC POLYMER FILL LINE
5 SCALE: NONE



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DETAILS
DEWATERING BUILDING

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6 of 6

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