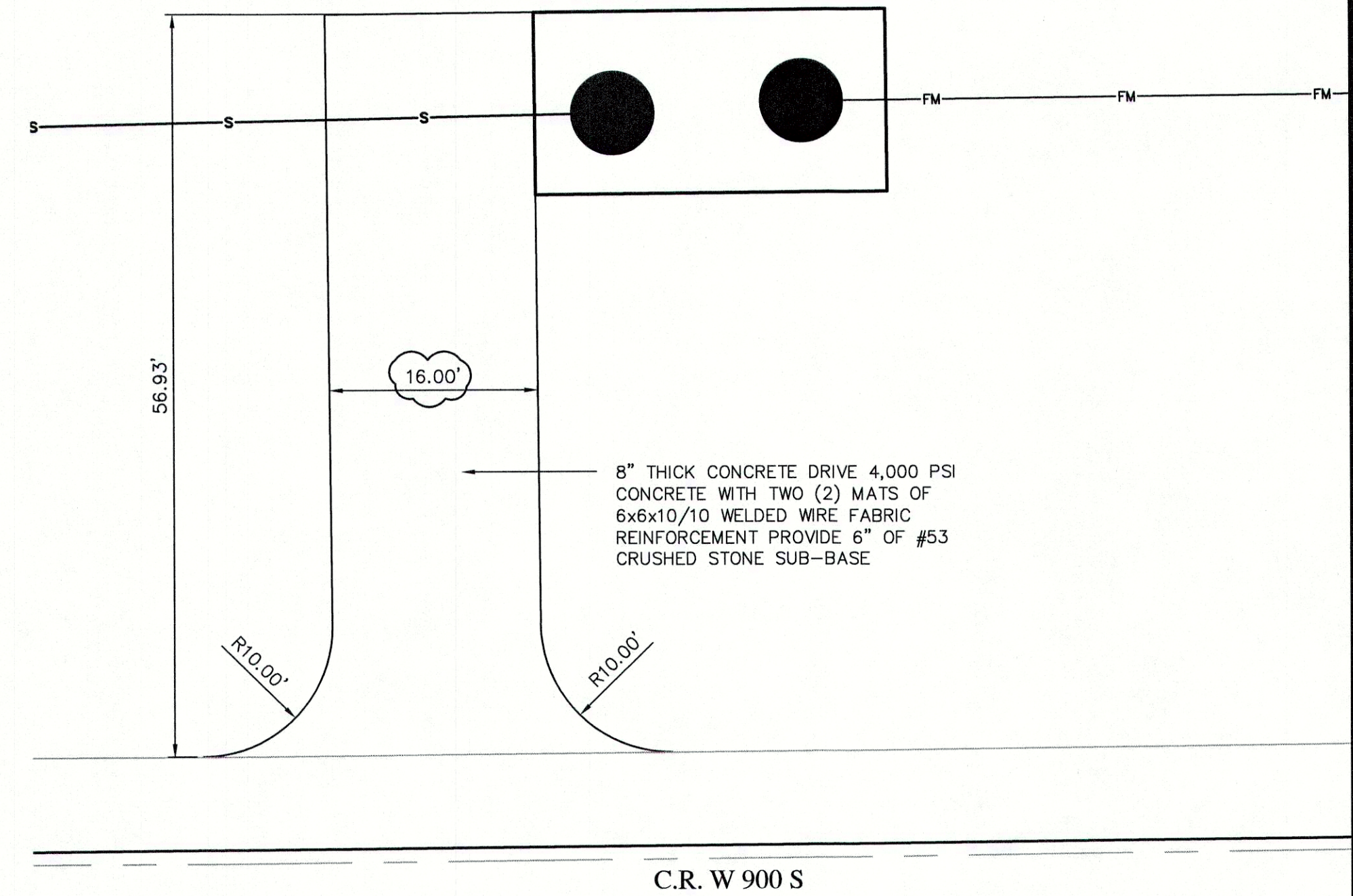


PROPOSED LIFT STATION
SCALE: 3/8" = 1'-0"

SECTION A-A



PROPOSED LIFT STATION SITE PLAN
SCALE: 1" = 10'

**SPRINGBROOK LIFT STATION
DESIGN INFORMATION**

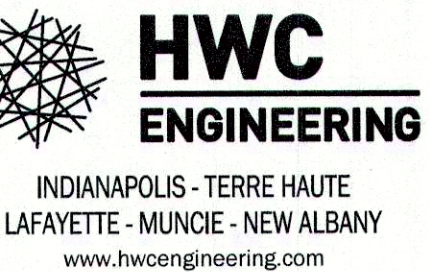
ITEM	PUMP SCHEDULE
MANUFACTURER	HYDROMATIC
PUMP MODEL	H4QXP
QUANTITY	TWO (2)
IMPELLER SIZE	11.88 INCHES
MOTOR HP	30 HP
RPM	1,750
ELECTRIC SERVICE	3 PHASE, 480V, 4 WIRE
ANTICIPATED OPERATING POINT*	420 GPM AT 137 FT TDH
PUMP EFFICIENCY	48.28%
DISCHARGE CONNECTION	4-INCH
SHUT-OFF HEAD	178 FEET

(*) THE ACTUAL DESIGN CONDITIONS FOR SPRINGBROOK IS 300 GPM AT 144 FEET TDH. HOWEVER, THIS LIFT STATION IS PROPOSED TO CONNECT TO A COMMON FORCE MAIN WHICH COMBINES FLOWS FROM OTHER LIFT STATIONS AND INDIVIDUAL GRINDER PUMPS. THEREFORE, THE PUMP MODEL LISTED ABOVE WAS SELECTED IN ORDER TO CONTINUE TO PUMP ADEQUATELY AND OVERCOME HIGHER PRESSURES IF THE OTHER LIFT STATIONS AND/OR INDIVIDUAL GRINDER PUMPS ARE OPERATING SIMULTANEOUSLY.

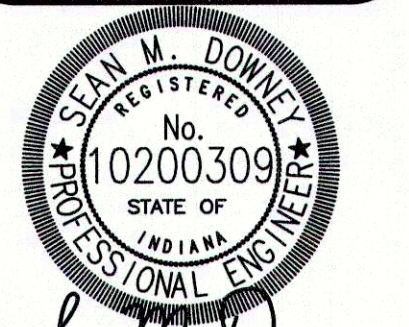
NOTES

- ALL INTERIOR PIPING SHALL BE COATED WITH TNEC 55 HB EPOXY OR EQUAL.
- ALL CONNECTION BOLTS, ANCHOR BOLTS, EXPANSION BOLTS ETC. SHALL BE 304 S.S.
- THE BASIN, VALVE VAULT, FLAT TOPS AND BASE SLABS ARE TO BE CONSTRUCTED OF PRECAST REINFORCED CONCRETE MANHOLE SECTIONS CONFORMING TO ASTM C-478.
- ALL HATCHES SHALL BE PROVIDED WITH LOCKING HASP AND PADLOCK WITH PADLOCK KEYS TO FORWD SPECIFICATIONS.
- ALL JOINTS BETWEEN PRECAST SECTIONS SHALL BE MADE WITH AN APPROVED RUBBER O-RING IN ACCORDANCE WITH ASTM C-443 AND A 1/2 INCH DIAMETER NON-ASPHALT MASTIC CONFORMING TO AASHTO M-198 AND FEDERAL SPECIFICATION SS-521-A.
- THE INSIDE OF THE WETWELL IS TO BE COATED WITH AN INTERNAL CORROSION RESISTANT LINER WHICH SHOULD CONSIST OF EITHER A PRIMER COAT OF AQUATAPOXY A-10 FOLLOWED WITH TWO COATS OF RAVEN 405 LINER, SPECTRASHELD MULTI-COMPONENT STRESS SKIN PANEL WETWELL LINER SYSTEM OR EQUAL EPOXY COATING SYSTEM. IN ADDITION, THE OUTSIDE WALL BELOW GRADE IS TO BE COATED WITH BITUMINOUS WATERPROOFING MATERIAL.

DATE	DESCRIPTION	BY
1/10/19	REV. PER FORWD & IDEM COMMENTS	DMW



**SPRINGBROOK
SECTION 1A
PROPOSED LIFT STATION PLAN AND
SECTION**



DRAWN BY	TO
CHECKED BY	SD
DATE	NOVEMBER 8, 2018
SCALE	AS SHOWN
SHEET	

C5.4
PROPOSED LIFT STATION
PLAN AND SECTION