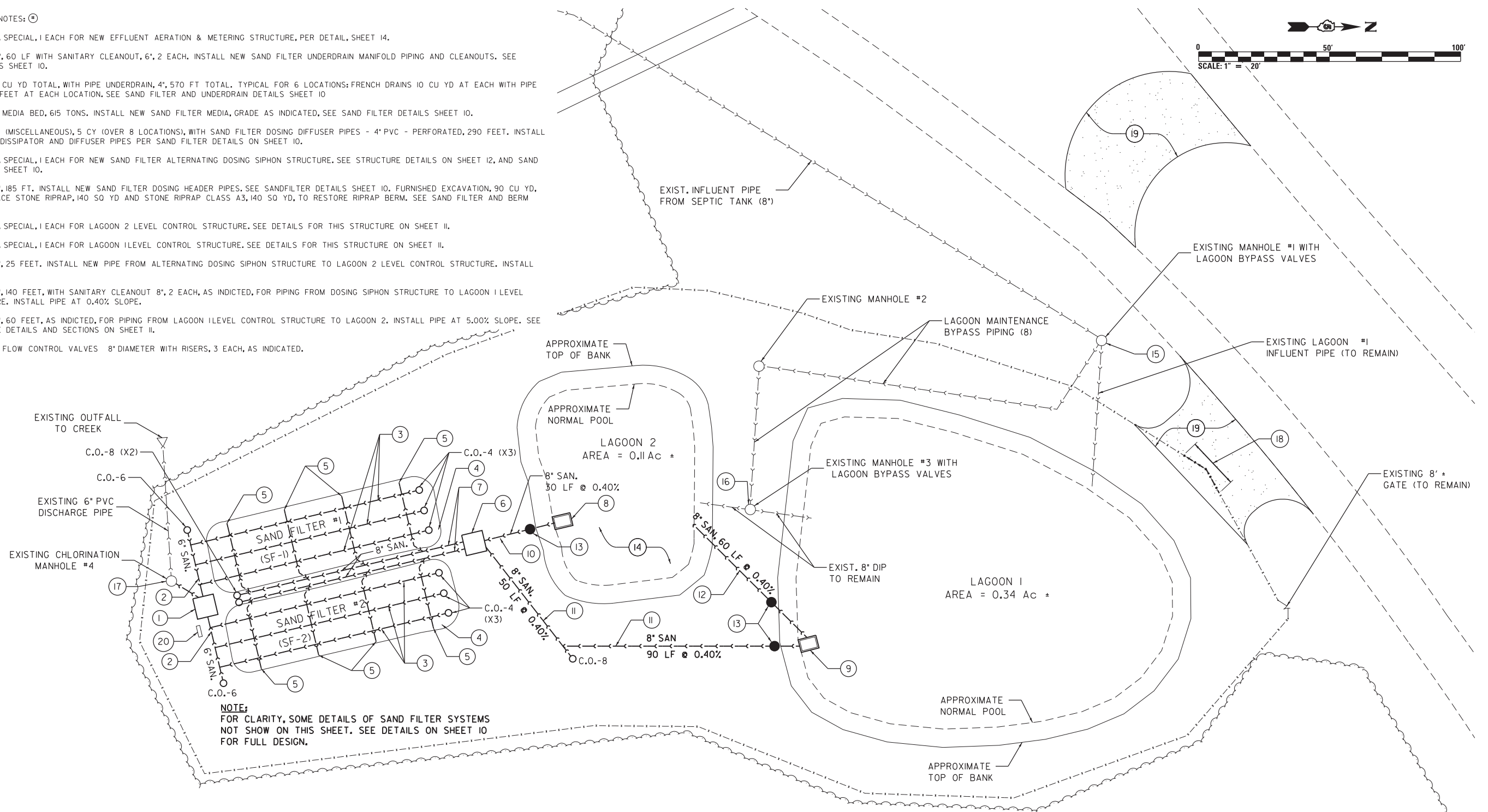
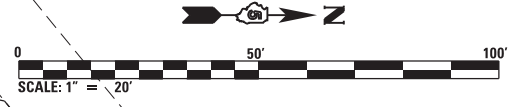


SITE RENOVATION PLAN NOTES: (1)

- (1) SANITARY MANHOLE, SPECIAL, 1 EACH FOR NEW EFFLUENT AERATION & METERING STRUCTURE, PER DETAIL, SHEET 14.
- (2) SANITARY SEWER, 6", 60 LF WITH SANITARY CLEANOUT, 6", 2 EACH. INSTALL NEW SAND FILTER UNDERDRAIN MANIFOLD PIPING AND CLEANOUTS. SEE SANDFILTER DETAILS SHEET 10.
- (3) FRENCH DRAINS, 60 CU YD TOTAL, WITH PIPE UNDERDRAIN, 4", 570 FT TOTAL. TYPICAL FOR 6 LOCATIONS: FRENCH DRAINS 10 CU YD AT EACH WITH PIPE UNDERDRAIN, 4", 95 FEET AT EACH LOCATION. SEE SAND FILTER AND UNDERDRAIN DETAILS SHEET 10.
- (4) SAND FILTER SAND MEDIA BED, 615 TONS. INSTALL NEW SAND FILTER MEDIA, GRADE AS INDICATED, SEE SAND FILTER DETAILS SHEET 10.
- (5) CLASS SI CONCRETE (MISCELLANEOUS), 5 CY (OVER 8 LOCATIONS), WITH SAND FILTER DOSING DIFFUSER PIPES - 4" PVC - PERFORATED, 290 FEET. INSTALL CONCRETE ENERGY DISSIPATOR AND DIFFUSER PIPES PER SAND FILTER DETAILS ON SHEET 10.
- (6) SANITARY MANHOLE, SPECIAL, 1 EACH FOR NEW SAND FILTER ALTERNATING DOSING SIPHON STRUCTURE. SEE STRUCTURE DETAILS ON SHEET 12, AND SAND FILTER DETAILS ON SHEET 10.
- (7) SANITARY SEWER, 8", 185 FT. INSTALL NEW SAND FILTER DOSING HEADER PIPES. SEE SANDFILTER DETAILS SHEET 10. FURNISHED EXCAVATION, 90 CU YD. REMOVE AND REPLACE STONE RIPRAP, 140 SQ YD AND STONE RIPRAP CLASS A3, 140 SQ YD, TO RESTORE RIPRAP BERM. SEE SAND FILTER AND BERM DETAILS, SHEET 10.
- (8) SANITARY MANHOLE, SPECIAL, 1 EACH FOR LAGOON 2 LEVEL CONTROL STRUCTURE. SEE DETAILS FOR THIS STRUCTURE ON SHEET 11.
- (9) SANITARY MANHOLE, SPECIAL, 1 EACH FOR LAGOON 1 LEVEL CONTROL STRUCTURE. SEE DETAILS FOR THIS STRUCTURE ON SHEET 11.
- (10) SANITARY SEWER, 8", 25 FEET. INSTALL NEW PIPE FROM ALTERNATING DOSING SIPHON STRUCTURE TO LAGOON 2 LEVEL CONTROL STRUCTURE. INSTALL AT 0.40% SLOPE.
- (11) SANITARY SEWER, 8", 140 FEET, WITH SANITARY CLEANOUT 8", 2 EACH, AS INDICATED, FOR PIPING FROM DOSING SIPHON STRUCTURE TO LAGOON 1 LEVEL CONTROL STRUCTURE. INSTALL PIPE AT 0.40% SLOPE.
- (12) SANITARY SEWER, 8", 60 FEET, AS INDICATED, FOR PIPING FROM LAGOON 1 LEVEL CONTROL STRUCTURE TO LAGOON 2. INSTALL PIPE AT 5.00% SLOPE. SEE LAGOON STRUCTURE DETAILS AND SECTIONS ON SHEET 11.
- (13) INSTALL BYPASS / FLOW CONTROL VALVES 8" DIAMETER WITH RISERS, 3 EACH, AS INDICATED.



**NOTE:**  
FOR CLARITY, SOME DETAILS OF SAND FILTER SYSTEMS NOT SHOW ON THIS SHEET. SEE DETAILS ON SHEET 10 FOR FULL DESIGN.

**LEGEND**

- C.O.-#                      SANITARY CLEAN OUT, # INCH
- VALVE WITH RISER BOX, SEE PLAN NOTES.
- SANITARY PIPE

SITE RENOVATION PLAN NOTES (CONT.): \*

- (14) INSTALL LAGOON 2 COVER SYSTEM COMPLETE, 1 LUMP SUM. SEE LAGOON COVER PLAN AND DETAILS ON SHEET 13. COORDINATE INSTALLATION WITH MANUFACTURER'S REQUIREMENTS.
- (15) REPLACE EXISTING 8" PLUG VALVES IN MANHOLES, 2 EACH. REPLACE 2 VALVES IN EXISTING MANHOLE #1.
- (16) REPLACE EXISTING 8" PLUG VALVES IN MANHOLES, 1 EACH. REPLACE VALVE IN EXISTING MANHOLE #3.
- (17) MODIFY EXISTING CHLORINATION MANHOLE, 1 EACH. SEE DETAILS ON SHEET 15.
- (18) FENCE REMOVAL AND REINSTALLATION, 30 FEET. AFTER REMOVAL, OPENING SHALL BE SECURED BY TEMPORARY FENCE, ALSO 30 FEET.
- (19) SEEDING, CLASS I, AND MULCH, METHOD I. APPLY TO ABOUT 0.15 ACRES TO AREAS WHERE TEMPORARY AGGREGATE (DRIVEWAYS) HAS BEEN REMOVED AT THE COMPLETION OF THE WORK.
- (20) FLOW METER, 1 EACH; AERATION SYSTEM, 1 EACH; AND ELECTRICAL SYSTEM UPGRADE, 1 LUMP SUM.



FILE NAME = D570A53-sht-plan3.dgn	USER NAME = TKee	DESIGNED - WWS	REVISED -
		DRAWN - TDK	REVISED -
		CHECKED - BEP	REVISED -
Default	PLOT DATE = 1/15/2014	DATE - 12-13-2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WASTEWATER TREATMENT SYSTEM  
RENOVATION PLAN**

SCALE: 1" = 20'      SHEET 1 OF 1 SHEETS      STA.      TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FUNKS GROVE RA IMP. 2014-	MC LEAN	17	9
CONTRACT NO. 70A53			ILLINOIS FED. AID PROJECT	