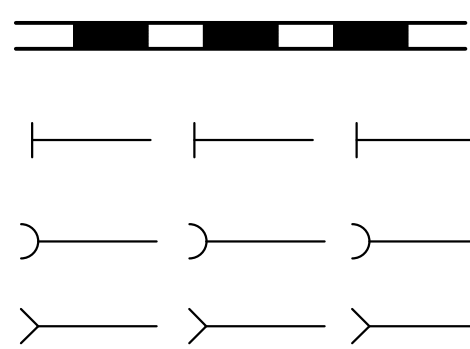


M.W.R.D.G.C. GENERAL NOTES

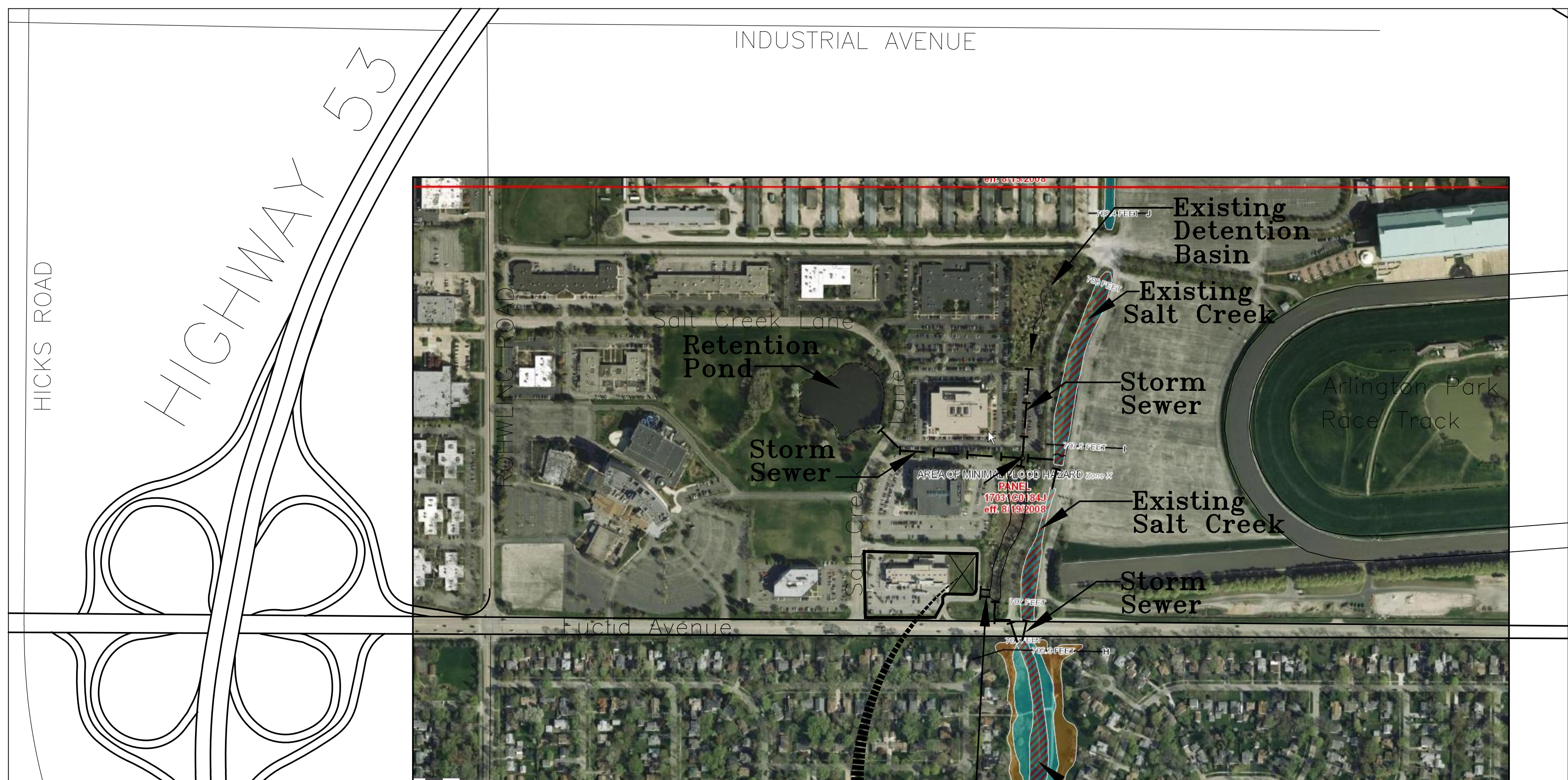
1. THE METROPOLITAN WATER RECLAMATION DISTRICT/MWRD-FIELD OFFICE SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK. (708/#588-4055)
2. ELEVATION DATUM USED WAS BASED ON 1929 U.S.G.S.
3. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER.
4. ALL DOWNSPOUTS SHALL SPLASH TO GRADE OR STORM SEWER. THERE ARE NO FOOTING DRAINS.
5. ALL SANITARY SEWER PIPES & JOINTS, AND STORM SEWER PIPES & JOINTS IN A COMBINED SEWER AREA SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS, AS APPLICABLE:

COMMON "APPROVED" PIPE MATERIALS		PIPE: MATERIALS / SPEC.	PIPE: JOINT SPEC.
		<u>VITRIFIED CLAY PIPE (VCP)</u>	(C-425)
	VCP (C-700)		(C-425)
	VCP-NO BELL (C-700) COLLAR: (D-1784)		(C-425)
		<u>CONCRETE PIPE (C-14)</u>	(C-443)
	REINFORCED CONCRETE PIPE RCP (C-76)		(C-443)
	A.C. PIPE ACP (C-428)		(D-1869)
		<u>ABS SEWER PIPE</u>	
	ABS. SOLID WALL 6"ø PLASTIC PIPE (SDR-23.5)		
	ABS D-2751		(D-2751)
		<u>ABS COMPOSITE / TRUSS PIPE</u>	
	8"ø -15"ø		
	ABS. PLASTIC PIPE ABS (D-2680)		(D-2680)
		<u>P.V.C. GRAVITY SEWER PIPE</u>	
	6"ø - 15"ø (SDR-26/D-3034)	(D-3212/Gasket or	D-2855/Solvent)
	18"ø - 27"ø (F/DY-46/F-679)	(D-3212/Gasket or	D-2855/Solvent)
		<u>IRON PIPE</u>	
	CAST IRON SOIL PIPE C.I.S.P. (A-74)		(C-564)
	DUCTILE IRON SEWER PIPE D.I.P. (A-21.51)		(A-21.11)

6. ALL SANITARY SEWER CONSTRUCTION, AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS, REQUIRE STONE BEDDING: 1/4"Ø - 1"Ø IN SIZE WITH 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. MATERIALS SHALL BE CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF PIPE.
7. "BAND-SEAL" OR SIMILAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPE OF DISSIMILAR MATERIALS.
8. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXIST. WYE, TEE OR AN EXISTING MANHOLE, THE FOLLOWING METHODS SHALL BE USED.
 - A. CIRCULAR SAW-CUT SEWER MAIN BY PROPER TOOLS "SEWER TAP" MACHINE OR SIMILAR AND PROPER INSTALLATION OF HUB-WYE SADDLE OR HUB-TEE SADDLE.
 - B. REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) & REPLACE WITH A WYE OR TEE BRANCH SECTION.
 - C. WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT-OUT THE DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING USING "BAND-SEAL" OR SIMILAR COUPLING TO HOLD IT FIRMLY IN PLACE.
9. WHEREVER A SEWER CROSSES UNDER THE WATERMAIN, THE MIN. VERTICAL DISTANCE FROM TOP OF SEWER TO BOTTOM OF WATERMAIN SHALL BE 18". FURTHERMORE, A MIN. HORIZONTAL DISTANCE OF 10' BETWEEN SANITARY/COMBINED SEWERS AND WATERMAINS SHALL BE MAINTAINED UNLESS, THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING 18" MIN. VERTICAL SEPARATION, OR THE SEWER IS LAID IN THE SAME TRENCH WITH WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A 18" MIN. VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED ABOVE CAN'T BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATERMAIN, THE SEWER SHALL BE CONSTRUCTED TO WATERMAIN STANDARD. (EX: C.I.S.P./Cast Iron Soil Pipe, D.I.P./Ductile Iron Pipe or PVC./SDR-18/C-900 Pressure Pipe)
10. ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.
11. ALL SANITARY MANHOLES AND ALSO STORM SEWER MANHOLES IN COMBINED SEWER AREAS, SHALL HAVE A MIN. INSIDE DIAMETER OF 48 INCHES, AND SHALL HAVE CAST-IN-PLACE OR PRE-CAST REINFORCED CONCRETE.
12. "FIELD" PLANS SHALL BE KEPT BY THE CONTRACTOR & SUBMITTED TO THE ENG. TO PREPARE AS-BUILT PLANS. ANY CHANGES IN PIPE: LENGTH, MATERIAL, LOCATION, ELEVATION, SLOPE OR ALIGNMENT SHALL BE SHOWN IN "RED". (ENG. TO FURNISH 4 "AS-BUILT" PLANS TO MWRD.)
13. THE CONTRACTOR SHALL TEST THE SEWERS FOR IN/EX-FILTRATION FOR MWRDGC. INSPECTORS.
 - A. SEWER TESTS TO BE WITNESSED BY: ENG., MWRDGC. & VILLAGE/CITY & CONSULTANT ENG.
 - B. SEWERS SHALL NOT BE USED WITHOUT MWRDGC. & VILLAGE INSPECTOR "APPROVAL"
14. THE CONTRACTOR SHALL ABANDON A DESIGNATED SEWER PIPE BY INSTALLING A 2' LONG CONCRETE OR HYDRAULIC CEMENT MORTAR PLUGS AT BOTH ENDS OF THE SEWER PIPE IDENTIFIED FOR ABANDONMENT.
15. THE CONTRACTOR SHALL CONNECT THE SEWER PIPES TO THE NEW PRECAST CONCRETE MANHOLE WITH RUBBER PIPE BOOTS CONFORMING TO ASTM SPECIFICATION C-923.



MWRD INTERCEPTOR
STORM SEWER
SANITARY SEWER
SANITARY FORCE MAIN



SCALE: 1" = 450' ±

PROJECT SITE

LEGEND

EXISTING	PROPOSED

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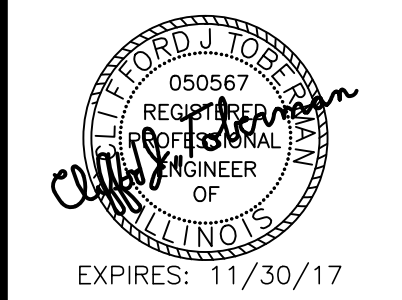
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DESIGN FIRM NO:
184005910
EXPIRES: 04-30-17

No.	Date	Revision
1	12/01/15	VAH Concept Review

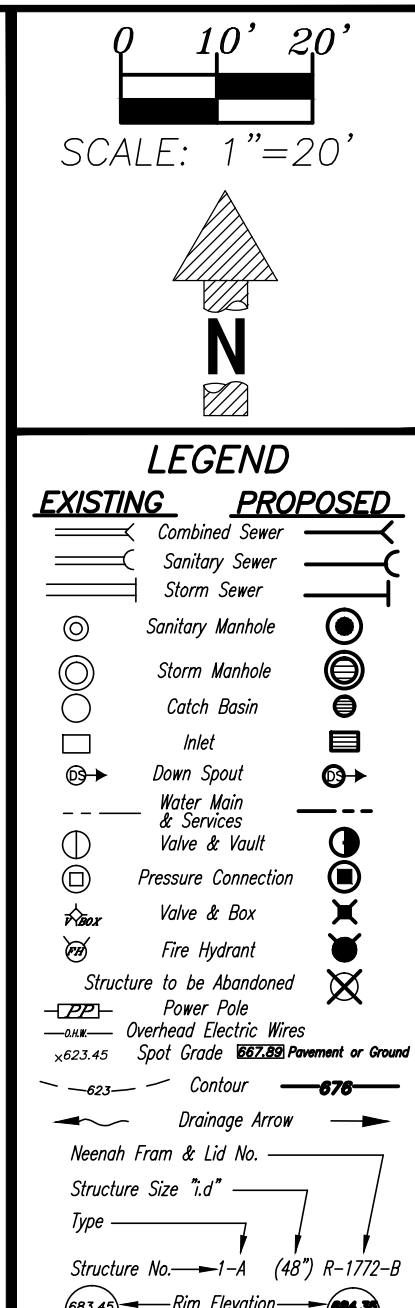
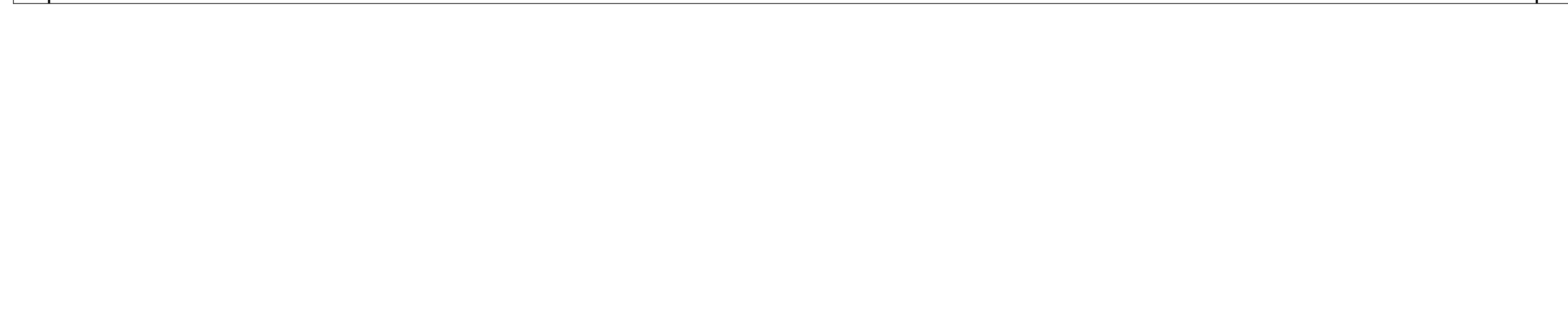
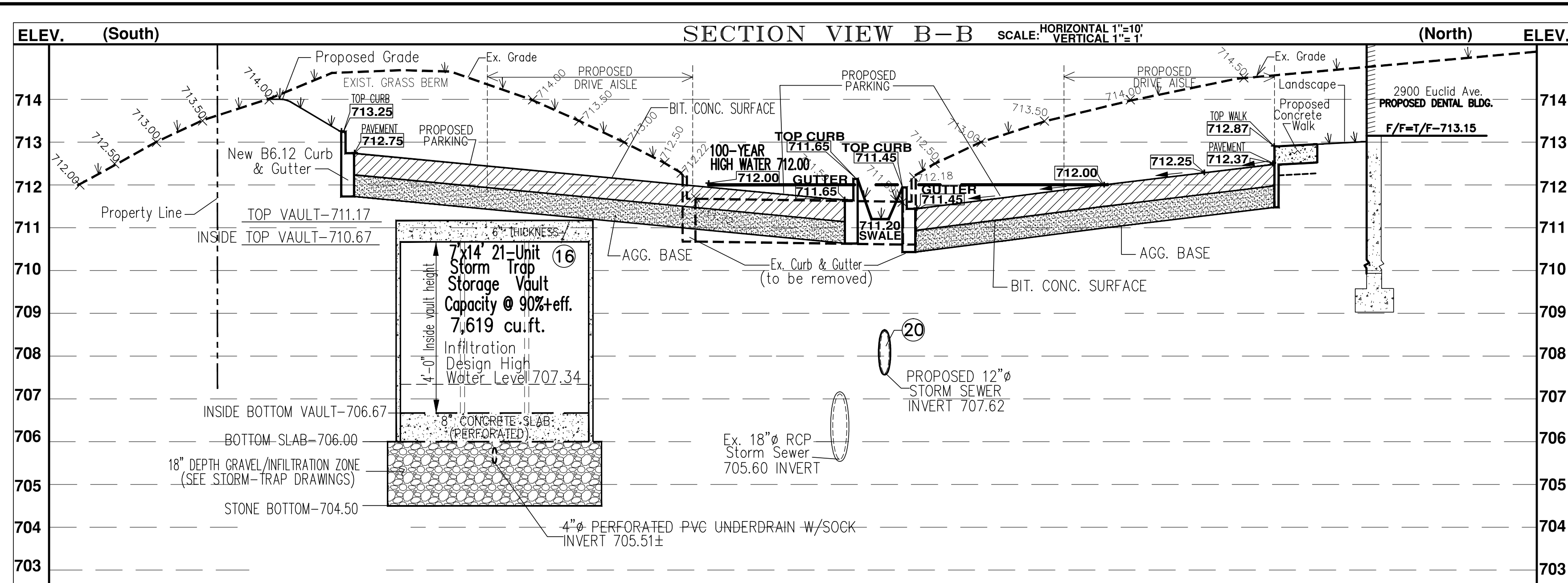


**PROPOSED
DENTAL
FACILITY**
2920-2964 WEST EUCLID AVE
ARLINGTON HTS, IL 60005
(THE ESPLANADE)

NJT Project No.
#15-6464

M.W.R.D. NOTES & SEWER ROUTING MAP

Sheet No.
C-8



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DESIGN FIRM NO: 184005910 EXPIRES: 04-30-19		
No.	Date	Revision
1	12/01/15	VAH Concept Review
7	3/17/16	FOR INTERNAL REVIEW
8	4/27/16	FOR PLAN COMMISSION SUBMIT
9	5/16/16	REVISED PER VAH COMMENTS FOR PLAN COMMISSION SUBMIT



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ARLINGTON HTS., IL 60005
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NJT Project No.
#15-6464
**CROSS-
SECTIONS
SHEET**
Sheet No.
C-7
Plot Date: 4-27-16