



UTILITY NOTIFICATION

UTILITY LOCATIONS DEPICTED WITHIN THIS CONSTRUCTION PLAN SET HAVE BEEN COMPILED FROM FIELD SURVEYS AND DOCUMENTS SUPPLIED BY THE VARIOUS UTILITY COMPANIES. THE ENGINEER MAKES NO CLAIM TO THE ACCURACY OF THE UTILITY LOCATIONS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL NOTIFY ALL UTILITIES AND IS RESPONSIBLE FOR VERIFYING THE DEPTHS AND FIELD LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. ACTUAL UTILITY LOCATIONS AND DEPTHS MAY VARY FROM THOSE DEPICTED WITHIN THIS CONSTRUCTION PLAN SET. PROTECTION OF ALL UTILITIES WITHIN THE AREA OF CONSTRUCTION AND ALL COSTS TO REMEDY DAMAGES TO EXISTING UTILITIES AND DISTURBED AREAS SHALL BE BORNE BY THE CONTRACTOR.

MINOR SITE DEVELOPMENT PLAN

FOR

SARASOTA COUNTY CROQUET CLUB, INC.

LEGAL DESCRIPTION

W 1/2 OF NW 1/4 OF SEC 09-39-19 & A PORTION OF BLK B, CAPRI ISLES UNIT 3 DESC AS BEG AT SW COR OF BLK B TH N-00-35-13-W TO A PT ON S LINE OF SEC 9 TH N-00-35- 13-W 25 FT TH N-89-35-45-E 15.09 FT TO WLY R/W LINE OF CAPRI ISLES BLVD TH SLY ALONG R/W 77 FT TH S-89-22-23-W 10 FT TO POB, LESS W 25 FT, LESS ADDITIONAL R/W FOR PINEBROOK RD AS DESC IN ORI 2017144674

ZONED: GOV
FLUC: PARKS - ATHLETIC COMPLEX

SITE DATA:

PARCEL SIZE = 79.43 ACRES

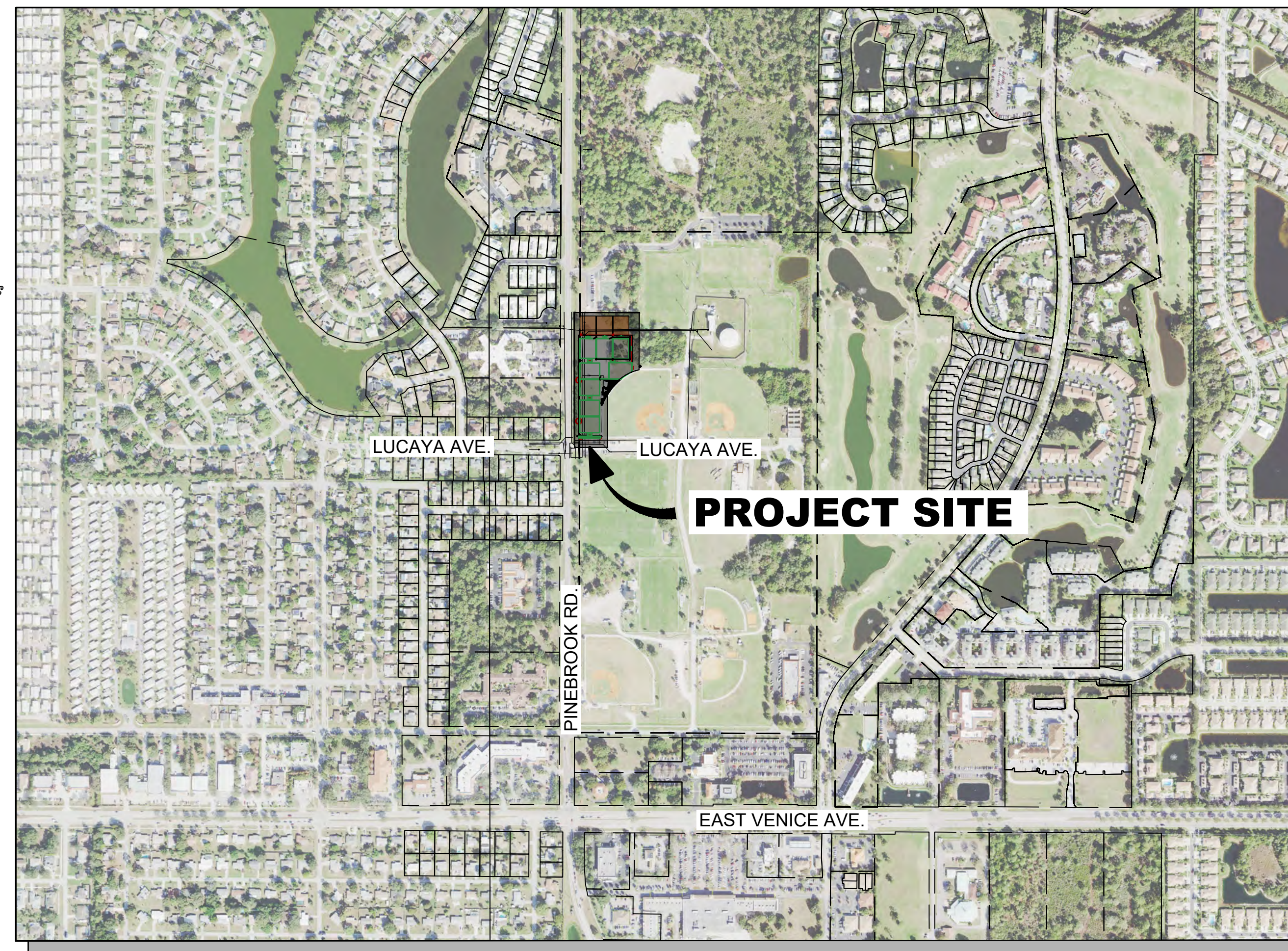
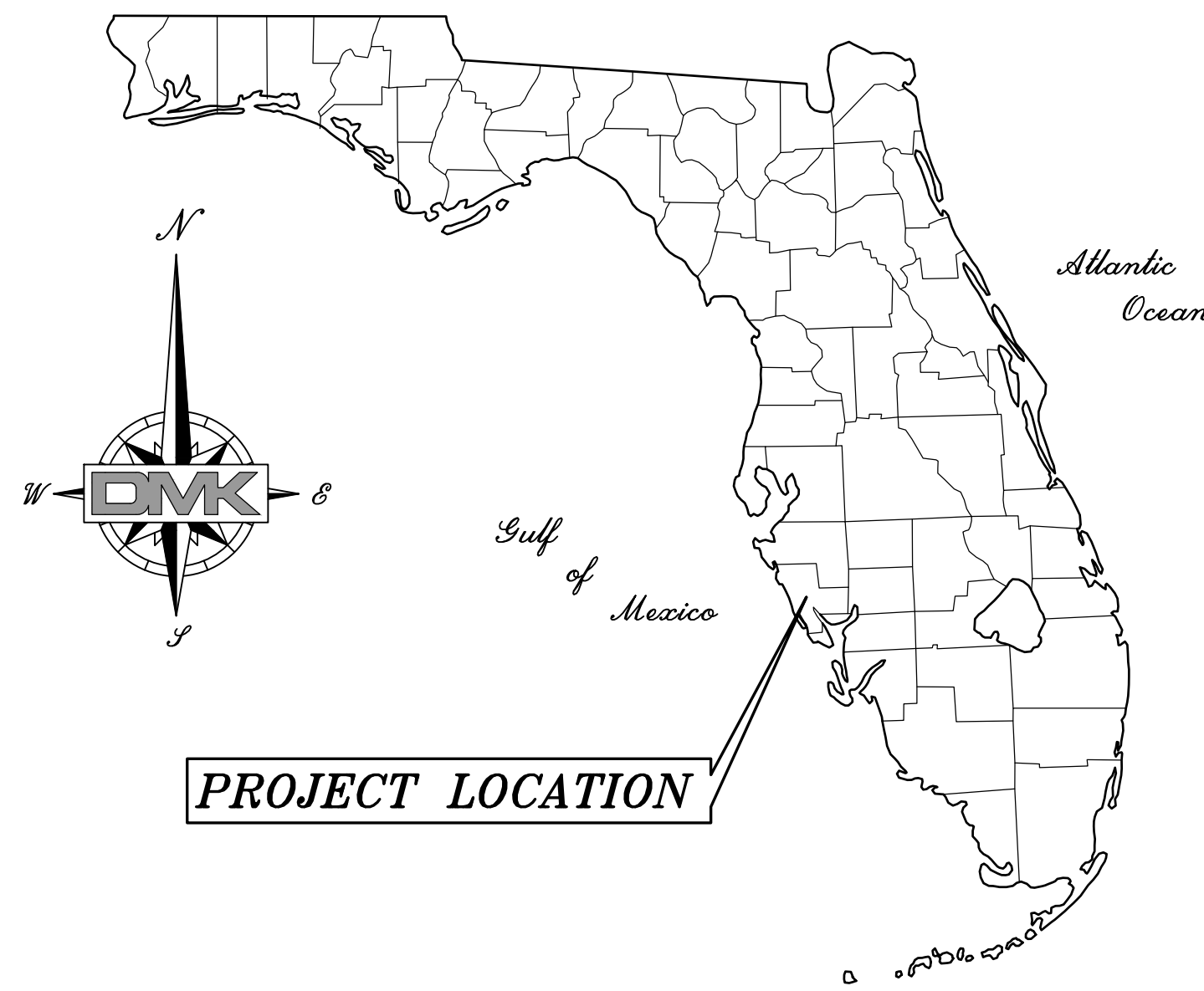
TOTAL STRUCTURES	= 65,483 S.F.
PROPOSED STRUCTURES	= 0 S.F.
EXISTING STRUCTURES TO BE DEMOLISHED	= 0 S.F.
PERCENT INCREASE	= 0.00 %

SETBACK:

NO MINIMUM YARD FOR GOV ZONING

ENGINEER'S QUANTITY ESTIMATE OF INFRASTRUCTURE IMPROVEMENTS :

LINEAR FEET OF RECLAIMED WATER MAIN	NONE
LINEAR FEET OF POTABLE WATER MAIN	NONE
LINEAR FEET OF GRAVITY SEWER MAIN	NONE
LINEAR FEET OF FORCE MAIN	NONE
NUMBER OF MANHOLES	NONE



LOCATION MAP

LOCATED IN
 SECTION 9, TOWNSHIP 39 SOUTH, RANGE 19 EAST
 CITY OF VENICE, FLORIDA

NOTES:

1. THE SITE IS CURRENTLY ZONED GOV, FUTURE LAND USE CODE PARKS - ATHLETIC COMPLEX.
2. THIS SITE IS DESIGNATED AS FLOOD ZONE X & AE ON F.I.R.M. PANEL# 12115C0331F DATED 11/04/2016.
3. THERE ARE NO KNOWN FOUNDATIONS OR MIDDEN AREAS OF HISTORIC ORIGIN, EXISTING EASEMENTS, PLATTED STREETS ON THIS SITE.
4. COMMON OPEN SPACE SHALL BE MAINTAINED BY SARASOTA PARKS DEPARTMENT.
5. POTABLE WATER IS SERVING THE CURRENT SITE VIA A WATER METER IN THE NORTHWEST QUADRANT OF THE EXISTING COURTS TO BE REMOVED AND RELOCATED TO SOUTH END OF COURTS
6. ANY ENCROACHMENT ON THE 100 YEAR FLOOD PLAIN OF FLOOD WAY SHALL BE MITIGATED IN ACCORDANCE WITH FEMA AND THE CITY OF VENICE STANDARDS.

CITY OF VENICE REQUIRED NOTES:

1. ALL WORK CONDUCTED IN THE CITY OF VENICE RIGHT-OF-WAY (ROW) WILL REQUIRE THE ISSUANCE OF A ROW USE PERMIT.
2. ALL WORK CONDUCTED IN SARASOTA COUNTY AND/OR FDOT ROW SHALL REQUIRE A COPY OF THE ISSUED PERMITS.
3. TREE REMOVAL PERMIT MUST BE OBTAINED FROM THE CITY OF VENICE.
4. POST-DEVELOPMENT RUNOFF DOES NOT EXCEED PRE-DEVELOPMENT RUNOFF VOLUME OR RATE FOR A 24-HOUR, 25-YEAR STORM EVENT.
5. ALL FIRE SERVICE BACKFLOW ASSEMBLIES SHALL BE INSTALLED BY A CERTIFIED CONTRACTOR WITH A CLASS I, II, OR V CERTIFICATE OF COMPETENCY ISSUED BY THE STATE FIRE MARSHALL AS PER F.S. 633.521.
6. CONSTRUCTION SITE MUST BE POSTED WITH 24-HOUR CONTACT INFORMATION.
7. ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, SHALL MEET CITY OF VENICE STANDARDS.
8. CONTACT PUBLIC WORKS SOLID WASTE DIVISION (941-486-2422) FOR APPROVAL OF DUMPSTER LOCATION AND LAYOUT PRIOR TO CONSTRUCTION.

INDEX OF DRAWINGS

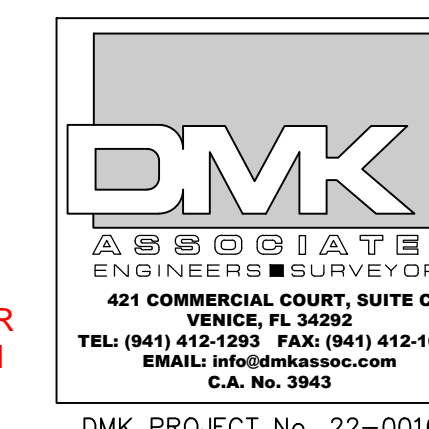
- | No. | DESCRIPTION |
|-----|--|
| 1 | COVER SHEET |
| 2 | GENERAL NOTES SHEET |
| 3 | CITY OF VENICE GENERAL NOTES |
| 4 | AERIAL PHOTO PLAN |
| 5 | EXISTING CONDITION PLAN |
| 6 | PROPOSED IMPERVIOUS AREA PLAN |
| 7 | PROPOSED SITE IMPROVEMENT PLAN |
| 8 | HARDSCAPE DIMENSION PLAN |
| 9 | BEST MANAGEMENT PRACTICES NOTES, DETAIL & PLAN |
| 10 | PROPOSED UTILITY IMPROVEMENT PLAN |
| 11 | PROPOSED IRRIGATION IMPROVEMENT PLAN |
| 12 | CITY OF VENICE STANDARD UTILITY DETAILS |

APPLICANT / OWNER:
 SARASOTA COUNTY CROQUET CLUB Inc.
 c/o: Mr. JOHN GOLDENER, PRESIDENT
 15137 VIVALDI DRIVE
 NOKOMIS, FL 34275
 PHONE: (484) 716-5896
 john@goldener.net

SURVEYOR:
 STRAYER SURVEY & MAPPING, Inc.
 742 SHAMROCK BLVD.
 VENICE, FLORIDA 34293
 PHONE: (941) 497-1290
 FAX: (941) 497-6186
 www.strayersurveying.com
 C.A. 5228

ENGINEER:
 DMK ASSOCIATES, Inc.
 421 COMMERCIAL COURT, SUITE C
 VENICE, FLORIDA 34292
 PHONE: (941) 412-1293
 FAX: (941) 412-1043
 info@dmkassoc.com
 C.A. 3943

THE REGISTERED ENGINEER SHALL BE RESPONSIBLE FOR SHEETS AS SHOWN ON THE INDEX OF DRAWINGS LIST ON THIS KEY SHEET IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.



JEFFREY R. RAYKOS, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 88349. THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JEFFREY R. RAYKOS ON THE DATE INDICATED HERE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

GENERAL CONSTRUCTION NOTES

- BENCH MARK DATUM N.A.V.D. 1988.
- THERE SHALL BE NO CHANGE OR DEVIATION FROM THESE PLANS WITHOUT ENGINEER/OWNER APPROVAL .
- ALL PROVISIONS FOR BEST MANAGEMENT PRACTICES SHALL BE ADHERED TO.
- NOTIFY "SUNSHINE STATE ONE CALL (1-800-432-4770)", COMCAST CABLE, FLORIDA POWER & LIGHT, VERIZON AND ANY OTHER UTILITIES (GAS COMPANIES, ETC.) PRIOR TO CONSTRUCTION OPERATION AND PRIOR TO ANY CONNECTION TO EXISTING UTILITIES. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT EXISTING UTILITIES FROM DAMAGE.
- CLOSURE PLAN: THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR HIRING THE APPROPRIATE DEMOLITION/SITE CONTRACTORS TO REMOVE ANY STOCK PILED CONSTRUCTION AND VEGETATION DEBRIS SHOULD THE CONSTRUCTION ACTIVITIES CEASE. DISPOSAL OF DEBRIS SHALL BE AT SITES APPROVED BY SOLID WASTE MANAGEMENT AND OR OTHER APPROPRIATE AGENCIES. ALL PERVIOUS AREA WITHIN THE BOUNDARY SHALL BE GRADED AND SEEDED TO PREVENT EROSION OR PLACED CRUSH SHELL.
- ALL CLEARING AND GRUBBING DEBRIS IS TO BE REMOVED FROM SITE AND IS PART OF CLEARING AND GRUBBING ITEM.
- WHERE EXCAVATIONS ARE IN CLOSE PROXIMITY OF TREES, THE CONTRACTOR SHALL USE EXTREME CARE IN NOT DAMAGING THE ROOT SYSTEM. NO EQUIPMENT, SUPPLIES, OR VEHICLES SHALL BE STORED OR PARKED WITHIN THE DRIP LINES OF THE TREES TO REMAIN AND BE PRESERVED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ALL OF THIS EMPLOYEES AND SUBCONTRACTORS OF THIS REQUIREMENT AND TO ENFORCE SAME.
- ALL PROPOSED GROUND ELEVATIONS ARE FINISHED GRADES. FINISH EARTHWORK GRADING SHALL BE 0.2 FEET BELOW ELEVATIONS SHOWN TO ALLOW FOR SOD THICKNESS.
- ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3000 PSI UNLESS OTHERWISE NOTED.
- ANY WELL DISCOVERED DURING THE EXCAVATION, EARTH MOVING OR CONSTRUCTION MUST BE REPORTED TO SARASOTA COUNTY HEALTH DEPARTMENT WITH 24 HOURS OF DISCOVERY.
- ANY WELL ON SITE THAT WILL NOT BE IN USE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN AN APPROVED MANNER.
- ALL EXISTING ABANDONED SEPTIC TANKS MUST BE PUMPED, CRUSHED AND FILLED IN ACCORDANCE WITH CHAPTER 64E-6.011 F.A.C. PERMIT TO BE OBTAINED BY CONTRACTOR.
- CLEARING, GRUBBING, STRIPPING, AND COMPACTION SHALL BE INSPECTED BY THE ENGINEER OR HIS/HERS DULY APPOINTED REPRESENTATIVE PRIOR TO FILLING.
- ALL DISTURBED AREAS ARE TO BE GRASSED AS SOON AS PRACTICAL TO PREVENT EROSION.
- LAY SOD AROUND ALL INLETS, MITERED END SECTION, HEADWALLS, SWALES, LAKE SLOPES, AND A THREE FOOT (3') WIDE STRIP ADJACENT TO EDGE OF PAVEMENT AND AS DIRECTED BY THE ENGINEER, AND AS SOON AS PRACTICAL TO PREVENT EROSION.
- SODDING INCLUDES MAINTAINING SLOPES AND SOD UNTIL COMPLETION AND ACCEPTANCE OF TOTAL PROJECT GROWTH IS ESTABLISHED. UNTIL THEN, ALL EROSION, SILTATION, AND MAINTENANCE OF GRADES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL SPRINKLE OR OTHERWISE APPLY WATER TO AFFECTED CONSTRUCTION AREAS TO CONTROL BOTH SIGNIFICANT WIND EROSION AND FUGITIVE DUST.
- SILTATION ACCUMULATIONS GREATER THAN THE LESSER OF 12 INCHES OR ONE-HALF OF THE DEPTH OF THE SILTATION CONTROL BARRIER SHALL BE IMMEDIATELY REMOVED AND PLACED IN UPLAND AREAS.
- ALL UTILITY LINES AND ACCESSORIES SUCH AS, BUT NOT LIMITED TO, MANHOLES, FORCE MAINS, LIFT STATION, SEWER SERVICES AND CLEANOUTS, SHALL BE CONSTRUCTED TO ALIGNMENT AND LOCATIONS SHOWN ON PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN, UNLESS OTHERWISE NOTED.
- CONTRACTOR TO PROVIDE PROTECTION FOR EXISTING ELECTRICAL, IRRIGATION, TELEPHONE AND OTHER UTILITIES WITH ORANGE BARRIER FENCING.
- WORKING HOURS SHALL BE DETERMINED BY MUTUAL AGREEMENT BETWEEN THE CITY OF VENICE, SARASOTA COUNTY CROQUET CLUB AND SARASOTA COUNTY.
- CONTRACTOR TO COORDINATE IRRIGATION WITH OPERATIONS AND MAINTENANCE CONTRACTOR FOR THE OWNER TO ENSURE IRRIGATION SYSTEMS ARE NOT COMPROMISED.
- ANY EXCAVATED WET MATERIAL SHALL BE STOCKPILED AND ALLOWED TO DRAIN PRIOR TO TRANSPORTING ON PUBLIC ROADS. WATER, MUD AND DEBRIS WILL NOT BE PERMITTED ON PUBLIC RIGHT OF WAY.
- ALL DRAINAGE CULVERT JOINTS SHALL BE WRAPPED PER FDOT INDEX 430-001 (FDOT INDEX).
- A PRE-CONSTRUCTION MEETING WITH THE CONTRACTOR(S), PROFESSIONAL ENGINEER OF RECORD, CITY OF VENICE, SARASOTA COUNTY CROQUET CLUB AND COUNTY STAFF WILL BE REQUIRED PRIOR TO ANY ACTIVITY OCCURRING ON SITE. MEETING TO BE SCHEDULED BY CONTRACTOR.
- A SARASOTA COUNTY RIGHT-OF-WAY USE PERMIT REQUIRED FOR ANY WORK WITHIN COUNTY RIGHT-OF-WAY.
- AN FDOT RIGHT-OF-WAY USE PERMIT REQUIRED FOR ANY WORK WITHIN FDOT.
- CONTRACTOR TO OBTAIN A UTILITY CONSTRUCTION PERMIT.
- CONTRACTOR TO SCHEDULE AND COORDINATE ALL REQUIRED TESTING AND INSPECTIONS OF UTILITIES WITH CITY OF VENICE AND THE ENGINEER OF RECORD.
- ALL UTILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF VENICE AND ENGINEER OF RECORD SPECIFICATIONS.

FORTUITOUS FINDS STATEMENT

- THE FOLLOWING REQUIREMENTS APPLY TO ALL BUILDING CONSTRUCTION OR ALTERATION, OR LAND ALTERATION ACTIVITIES IN ACCORDANCE WITH SARASOTA COUNTY ORDINANCE #2004-073 AND WITH THE HISTORIC PRESERVATION CHAPTER OF APOXSEE: THE REVISED AND UPDATED SARASOTA COUNTY COMPREHENSIVE PLAN:
 - IF EVIDENCE OF THE EXISTENCE OF HISTORIC RESOURCES IS DISCOVERED OR OBSERVED AT DEVELOPMENT SITES OR DURING DEVELOPMENT ACTIVITIES AFTER FINAL APPROVAL, ALL WORK SHALL CEASE IN THE AREA OF EFFECT AS DETERMINED BY THE DIRECTOR. THE DEVELOPER, OWNER, CONTRACTOR, OR AGENT THEREOF SHALL NOTIFY THE DIRECTOR OF HISTORICAL RESOURCES WITHIN TWO WORKING DAYS. EXAMPLES OF SUCH EVIDENCE INCLUDE WHOLE OR FRAGMENTARY STONE TOOLS, SHELL TOOLS, ABORIGINAL OR HISTORIC POTTERY, HISTORIC GLASS, HISTORIC BOTTLES, BONE TOOLS, HISTORIC BUILDING FOUNDATIONS, SHELL MOUNDS, SHELL MIDDENS OR SAND MOUNDS.
 - THE DIRECTOR SHALL ASSESS THE SIGNIFICANCE OF THE FINDS WITHIN THREE WORKING DAYS OF NOTIFICATION AND TO MITIGATE ANY ADVERSE EFFECTS SO AS TO MINIMIZE DELAYS TO DEVELOPMENT ACTIVITIES.
 - IF ANY HUMAN SKELETAL REMAINS OR ASSOCIATED BURIAL ARTIFACTS ARE DISCOVERED AT DEVELOPMENT SITES OR DURING DEVELOPMENT ACTIVITY, ALL WORK IN THE AREA MUST CEASE, AND THE PERMITEE MUST IMMEDIATELY NOTIFY THE NEAREST LAW ENFORCEMENT OFFICE AND NOTIFY THE DIRECTOR OF HISTORICAL RESOURCES WITHIN TWO WORKING DAYS. ACCORDING TO CHAPTER 872, FLORIDA STATUTES, IT IS UNLAWFUL TO DISTURB, VANDALIZE, OR DAMAGE A HUMAN BURIAL.

ENVIRONMENTAL PROTECTION DIVISION:

- IMPACTS TO STATE AND FEDERALLY PROTECTED SPECIES AS LISTED IN THE MOST CURRENT VERSION OF "FLORIDA'S ENDANGERED SPECIES, THREATENED SPECIES AND SPECIES OF SPECIAL CONCERN: OFFICIAL LISTS" PREPARED BY THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION (FWC) ARE NOT AUTHORIZED BY THIS PERMIT. THESE SPECIES MAY INCLUDE, BUT ARE NOT LIMITED TO, FLORIDA SCRUB JAY, AMERICAN BALD EAGLE, SHERMAN'S FOX SQUIRREL, BURROWING OWL, GOPHER TORTOISE, GOPHER FROG, AND EASTERN INDIGO SNAKE. PROTECTION EXTENDS TO THE NESTS, BURROWS AND HABITAT UTILIZED BY THESE SPECIES. IF A LISTED SPECIES (OR ITS EVIDENCE, SUCH AS BURROWS, NESTS, SCAT, TRACKS) THAT WAS NOT ADDRESSED IN THIS PERMIT IS OBSERVED PRIOR TO OR DURING CONSTRUCTION, ALL CLEARING AND EARTHMOVING ON-SITE SHALL CEASE. THE PERMITEE SHALL CONSULT WITH THE FWC REGIONAL OFFICE AND/OR THE U.S. FISH AND WILDLIFE SERVICE REGIONAL OFFICE REGARDING NECESSARY PROTECTION MEASURES AND PROVIDE EVIDENCE OF SUCH CONSULTATION TO THE ENVIRONMENTAL PROTECTION DIVISION PRIOR TO RESUMING WORK.
- IF ANY TYPE A FILL (CLEAN EARTHEN MATERIAL) IS TO BE HAULED OFF-SITE, AN EARTHMOVING PERMIT OR LETTER OF EXEMPTION IS REQUIRED FROM THE ENVIRONMENTAL PROTECTION DIVISION. IF ANY TYPE A FILL HAULED OFF-SITE IS TO BE STOCKPILED OR FILLED UPON PRIVATE PROPERTIES WITHIN THE UNINCORPORATED AREAS OF SARASOTA COUNTY, THE RECEIVING PROPERTY(S) SHALL POSSESS AUTHORIZATION IN THE FORM OF AN EARTHMOVING PERMIT, A WRITTEN EARTHMOVING EXEMPTION, A BUILDING PERMIT, OR CONSTRUCTION PLAN APPROVAL PRIOR TO RECEIVING SAID FILL. NO TYPE B (CONCRETE, BROKEN ASPHALT, ROCKS), TYPE C (VEGETATIVE LAND CLEARING DEBRIS), OR TYPE D (GARBAGE, REFUSE, WOOD, METAL, PLASTIC, ETC.) FILL MAY BE BURIED WITHIN OR OUTSIDE APPROVED CONSTRUCTION LIMITS. TYPE D FILL MUST BE DISPOSED AT AN APPROVED LANDFILL OR RECYCLING FACILITY.

TREE PROTECTION NOTES

- NO CLEARING WITH HEAVY EQUIPMENT, FILLING, OR PLACEMENT OF IMPROVEMENTS OR UTILITY LINES SHALL OCCUR WITHIN THE PROTECTED ROOT ZONE OF ANY CANOPY TREE TO BE SAVED, PER SECTION 54-588 (1) (B) OF SARASOTA COUNTY CODE. THE PROTECTED ROOT ZONE IS DEFINED AS THE DRIPLINE OF THE TREE. ONLY HAND CLEARING OR MOWING IS PERMITTED WITHIN THE PROTECTED ROOT ZONE OF CANOPY TREES TO BE SAVED IF AUTHORIZED BY THE ADMINISTRATOR.' WHERE UNAUTHORIZED REMOVAL OF NATIVE VEGETATION WITHIN THE PROTECTED ROOT ZONE OCCURS, THE ADMINISTRATOR MAY REQUIRE THE REPLANTING OF UNDERSTORY VEGETATION.
- A TREE PERMIT WILL BE REQUIRED PRIOR TO ANY CONSTRUCTION, NATIVE VEGETATIVE REMOVAL WITHIN THE DRIPLINE OF A TREE, AND/OR TREE REMOVAL.

UTILITY CONTACTS:

			CONSTRUCTION	EMERGENCY
COMCAST CABLEVISION	GONZALO ROJAS STEVE HOFFMAN	steve_hoffman.comcast.com	941-342-3578 941-342-2135	941-377-4101
FP&L COMPANY	GREG COKER	greg_coker@fpl.com	941-723-4430	1-800-468-8243
SARASOTA COUNTY	STEVE BOTHAST JASON BROWN	sbothast@scgov.net jkbrown@scgov.net	941-650-8803 941-650-3728	941-861-0573 941-861-0873
TECO PEOPLES GAS	DAN SHANAHAN	djshananah@tecoenergy.com	941-342-4006	1-877-832-6911
FRONTIER COMMUNICATION	DENISE HUTTON	denise.hutton@ftr.com	941-906-6722	1-800-483-1000

EROSION CONTROL & POLLUTION PREVENTION NOTES

- EROSION AND SEDIMENT CONTROL BMPs IN ADDITION TO THOSE PRESENTED ON THE PLANS AND OUTLINED IN THE EROSION AND SEDIMENT CONTROL PLAN (ECP), BEST MANAGEMENT PRACTICES (BMP) PLAN, OR STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE IMPLEMENTED AS NECESSARY TO PREVENT TURBID DISCHARGES FROM FLOWING ONTO ADJACENT PROPERTIES OR ROADWAYS, OFF SITE STORMWATER CONVEYANCES OR RECEIVING WATERS, OR ON SITE WETLANDS AND SURFACE WATERS. BMPs SHALL BE DESIGNED, INSTALLED, AND MAINTAINED BY THE SITE OPERATOR TO ENSURE THAT OFF SITE SURFACE WATER QUALITY REMAINS CONSISTENT WITH STATE AND LOCAL REGULATIONS. [THE OPERATOR IS THE ENTITY THAT OWNS OR OPERATES THE CONSTRUCTION ACTIVITY AND HAS AUTHORITY TO CONTROL THOSE ACTIVITIES AT THE PROJECT NECESSARY TO ENSURE COMPLIANCE.]
- OFF SITE SURFACE WATER DISCHARGES, DISCHARGES TO THE MS4, OR DISCHARGES TO ONSITE WETLANDS OR SURFACE WATERS WITH TURBIDITY IN EXCESS OF 29 NEPHELOMETRIC TURBIDITY UNITS (NTUS) ABOVE BACKGROUND LEVEL SHALL BE IMMEDIATELY CORRECTED. SUCH INCIDENTS SHALL BE REPORTED TO CITY OF VENICE WITHIN 24 HOURS OF THE OCCURRENCE. THE REPORT SHALL INCLUDE THE CAUSE OF THE DISCHARGE AND CORRECTIVE ACTIONS TAKEN.
- THE OPERATOR SHALL ENSURE THAT ADJACENT PROPERTIES ARE NOT IMPACTED BY WIND EROSION, OR EMISSIONS OF UNCONFINED PARTICULATE MATTER IN ACCORDANCE WITH RULE 62-296.320(4)(C)1, F.A.C., BY TAKING APPROPRIATE MEASURES TO STABILIZE AFFECTED AREAS.
- FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ENTER STORMWATER DRAINS OR WATERBODIES, OR FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ARE IN EXCESS OF 25 GALLONS SHALL BE CONTAINED, CLEANED UP, AND IMMEDIATELY REPORTED TO CITY OF VENICE. SMALLER GROUND SURFACE SPILLS SHALL BE CLEANED UP AS SOON AS PRACTICAL.
- IF PREVIOUSLY UNKNOWN RECOGNIZED ENVIRONMENTAL CONDITIONS (E.G. CONTAMINATED SOIL AND/OR GROUNDWATER, BURIED WASTES, ETC.) ARE DISCOVERED DURING DEVELOPMENT OF THE SITE, ALL ACTIVITY IN THE IMMEDIATE VICINITY SHALL CEASE, AND CITY OF VENICE SHALL BE CONTACTED
- NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM - DEWATERING: IF NOT OTHERWISE COVERED AS OUTLINED UNDER PART 3.4 OF THE GENERIC PERMIT, THE DISCHARGE OF GROUNDWATER PRODUCED THROUGH DEWATERING, TO SURFACE WATERS, OR TO ANY PORTION OF THE MS4 WILL REQUIRE SEPARATE PERMITTING FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP). PERMIT(S) SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF DEWATERING. ANALYTICAL RESULTS FROM PRE-DISCHARGE TESTING SHALL BE PROVIDED TO CITY OF VENICE.
- IF CONTRACTOR UTILIZES DEWATERING ON SITE, TESTING FOR PAHs SHALL BE INCLUDED TO ENSURE THAT NO CONTAMINATED GROUND WATER IS BEING DISCHARGED. ANY DISCHARGE OF GROUNDWATER FROM DEWATERING REQUIRES AN APPROPRIATE INDUSTRIAL WATER WATER PERMIT FROM DEP PRIOR TO THE DISCHARGE.

UTILITY NOTIFICATION

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Drawing name: F:\Project\2023\22-0016 Sarasota Croquet Club\Arch\22-0016-SITE-PLAN.dwg Tab: SHT 2 Date Printed: Tue, 17 Jun 2023 - 6:26am

DATE	REVISION	BY		DATE	01/25/22	CKD BY	DATE	SARASOTA COUNTY CROQUET CLUB, INC.	WELLFIELD PARK - CROQUET COURT EXPANSION PROJECT	SHEET No.
				01/17/23	RMS	JRR	01/17/23	1400 LUCAYA AVENUE VENICE, FL. 34285	GENERAL NOTES SHEET	2
				01/17/23	RMS	JRR	01/17/23			ENGINEER OF RECORD JEFFREY R. RAYKOS, P.E. STATE OF FLORIDA NO. 88349
				22-0016	@ 24"x36"	DMK NO.	22-0016			

SARASOTA COUNTY UTILITY GENERAL NOTES

- ALL PIPING AND ASSOCIATED APPURTENANCES, INCLUDING JOINT RESTRAINTS, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST SARASOTA COUNTY UNIFORM WATER/WASTEWATER/RECLAIMED WATER SYSTEM CODE AND ALL APPLICABLE STATE AND LOCAL REGULATIONS.
- MINIMUM HORIZONTAL AND VERTICAL SEPARATION SHALL CONFORM TO THE LATEST FDEP RULES.
- FOR TREES, A MINIMUM HORIZONTAL SEPARATION SHALL BE PROVIDED TO PROTECT THE UTILITIES AND THE TREES. NO UTILITIES ARE TO BE INSTALLED WITHIN THE "DRIP LINE" OF A PROTECTED TREE, UNLESS THE PIPELINE IS INSTALLED BY DIRECTIONAL BORE OR JACK AND BORE CONSTRUCTION METHODS.
- A MINIMUM DISTANCE OF TEN FEET (10') OR TWO TIMES THE DEPTH OVER THE MAIN, WHICHEVER IS GREATER, MUST BE MAINTAINED FROM ALL BUILDINGS, FOUNDATIONS, AND THE TOP OF BANK OF ALL PONDS.
- POTABLE WATER, RECLAIMED WATER, AND WASTEWATER PIPES SHALL BE CONSTRUCTED WITH A MINIMUM THIRTY-SIX (36") OF COVER UNLESS OTHERWISE APPROVED BY SARASOTA COUNTY.
- PRESSURE AND LEAKAGE TESTING WILL BE PERFORMED IN ACCORDANCE WITH THE SARASOTA COUNTY UNIFORM WATER/WASTEWATER/RECLAIMED WATER SYSTEM CODE. SEE THE APPLICABLE SECTIONS WITHIN THIS CODE.
- DISINFECTATION OF THE WATER MAIN SHALL BE PERFORMED IN ACCORDANCE WITH THE SARASOTA COUNTY UNIFORM WATER/WASTEWATER/RECLAIMED WATER SYSTEM CODE. SEE THE APPLICABLE SECTIONS WITHIN THIS CODE.
- IN THE CASE WHERE CONTAMINATED SOILS ARE FOUND WITHIN THE UTILITY WORK ZONE, WORK WILL BE STOPPED AND THE PROPER AUTHORITIES NOTIFIED. WITH THE APPROVAL OF SARASOTA COUNTY AND/OR THE FDEP, ALL WATER MAINS AND SERVICE LINES (FROM MAIN TO THE CROSS CONNECTION DEVICE) WITHIN THE CONTAMINATED AREA SHALL BE DUCTILE IRON PIPE AND FITTINGS WITH APPROVED SOLVENT RESISTANT GASKET MATERIAL. THE DUCTILE IRON PIPE WILL EXTEND AT LEAST ONE HUNDRED FEET (100') BEYOND THE CONTAMINATED AREA.
- WATER METERS WILL NOT BE INSTALLED PRIOR TO ISSUANCE OF THE AUTHORIZATION TO PLACE INTO SERVICE, FOR THE WATER AND WASTEWATER SYSTEM. IRRIGATION METERS MAY BE ISSUED AT THE TIME OF WATER SYSTEM CLEARANCE.
- ALL TAPS, TO BE MADE BY THE CONTRACTOR, SHALL BE NOTED ON THE PLANS AND COORDINATED WITH THE INSPECTOR A MINIMUM OF FORTY-EIGHT (48) HOURS PRIOR TO CONSTRUCTION.

WASTEWATER SYSTEM TESTING (SARASOTA COUNTY UTILITIES)

- 1. ALL TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH THE SARASOTA COUNTY "UNIFORM WATER, WASTEWATER AND RECLAIMED WATER SYSTEM CODE" DATED JUNE 11, 2011 ORDINANCE 2011-044.
- 2. ALL TESTING SHALL BE CONDUCTED IN THE PRESENCE OF THE EOR, AND A REPRESENTATIVE OF SARASOTA COUNTY UTILITIES. ALL PERSONS REQUIRED FOR TESTING SHALL BE NOTIFIED FORTY-EIGHT (48) HOURS IN ADVANCE OF THE PLANNED TEST.

GRAVITY WASTEWATER SYSTEM TESTING

- 3. PRIOR TO TESTING, ALL MANHOLE INSTALLATIONS SHALL BE COMPLETED AND LINES SHALL BE CLEAN AND FREE OF SAND AND ALL FOREIGN MATTER.
- 4. THE CONTRACTOR SHALL AT THE CONTRACTOR'S EXPENSE FURNISH ALL LABOR, MATERIAL, WATER AND ANY OTHER ITEMS NECESSARY TO COMPLETE THE TESTS.
- 5. MANHOLE TESTING SHALL BE CONDUCTED WITHIN 30 DAYS FROM THE DATE THE GRAVITY SYSTEM WAS COMPLETED, IN ACCORDANCE WITH ASTM D3034, LATEST REVISION. THE MANHOLE SIZE FOR 8 INCH GRAVITY SEWER PIPE SHALL BE 7.37 INCHES. FOR ALL OTHER GRAVITY SEWER SIZES THE MANHOLE SHALL BE 95% OF THE INSIDE DIAMETER.
- 6. WATER TIGHTNESS OF ALL GRAVITY SEWER LINES SHALL BE TESTED BY MEANS OF LOW PRESSURE AIR TESTING. THE MAXIMUM ALLOWABLE PRESSURE DROP DURING AIR TESTING SHALL BE ONE (1) PSIG. REFER TO THE TABLE BELOW:

FROM THE UNI-BELL HANDBOOK OF PVC PIPE SPECIFICATION TIME REQUIRED FOR A 1.0 PRESSURE DROP FOR SIZE AND LENGTH OF PIPE INDICATED. USE THE FOLLOWING TABLE FOR PVC AND DIP.

PIPE DIAMETER (INCHES)	MINIMUM TIME (MINUTES)	LENGTH FOR MINIMUM (FEET)	TIME FOR LONGER (SECONDS)	SPECIFICATION TIME FOR LENGTH (L) SHOWN (MIN, SEC)									
				100 FT.	150 FT.	200 FT.	250 FT.	300 FT.	350 FT.	400 FT.	450 FT.		
4	3:45	387	3,856	L	3:46	3:46	3:46	3:46	3:46	3:46	3:46	3:46	3:46
6	5:40	268	2,654	L	5:40	5:40	5:40	5:40	5:40	5:40	5:40	5:42	5:44
8	7:34	208	1,520	L	7:34	7:34	7:34	7:34	7:36	7:36	7:36	7:38	7:40
10	9:28	208	2,374	L	9:28	9:28	9:28	9:33	11:52	13:51	15:49	17:48	
12	11:20	199	3,418	L	11:20	11:20	11:24	14:15	17:05	19:56	22:47	25:38	
15	14:10	189	5,942	L	14:10	14:10	17:46	22:15	26:42	31:09	35:36	40:04	
18	17:00	153	7,692	L	17:00	18:13	20:36	23:03	26:27	44:52	51:16	57:41	
21	19:50	114	10,410	L	19:50	26:10	34:54	43:37	52:21	61:00	69:48	78:31	
24	22:40	89	13,674	L	22:47	34:11	45:34	56:58	68:22	79:46	91:10	102:33	
27	25:30	88	17,308	L	25:51	43:16	57:41	72:07	86:32	100:57	115:22	129:48	
30	28:20	80	21,368	L	35:37	53:26	71:15	89:02	106:50	124:38	142:26	160:15	
36	34:10	71	28,846	L	43:06	64:36	85:01	107:43	129:16	150:49	172:21	193:53	
36	34:10	66	30,768	L	51:17	76:06	102:34	128:12	153:40	179:20	205:07	230:48	

a) FOR PIPE LENGTH GREATER THAN FOUR HUNDRED FIFTY (450) FEET BUT LESS THAN LENGTH IN COLUMN 3, USE MINIMUM TIME IN COLUMN 2.

b) FOR PIPE LENGTH GREATER THAN FOUR HUNDRED FIFTY FEET AND GREATER THAN LENGTH IN COLUMN 3, SUBTRACT LENGTH OF COLUMN 3 FROM ACTUAL PIPE LENGTH, THEN MULTIPLY DIFFERENCE BY TIME IN COLUMN 4 AND ADD TO THE REVISION CLEARLY IDENTIFIED.

EXAMPLE: DETERMINE TEST TIME FOR 425 FEET OF TWELVE (12) INCH PVC.

CONVERT MINUTE TO SECONDS (min. x 60) = 405 - 305 = 450 - 450 = 0

INTERPOLATE 425 = 305 + (405 - 305) x (425 - 400) / (450 - 400)

NOTE: INTERPOLATE BETWEEN VALUES ON TABLE AS SHOWN IN EXAMPLE FOR AIR TEST.

CONVERT SECONDS TO MINUTE: (88 sec/60) = 6.43 min. 6.43 min. = 6 min. + (80 X 0.43) 405 = 6 min. 29 sec.

NOTE: FOR LENGTH GREATER THAN FIVE HUNDRED (500) FEET CONTACT THE EOR.

- 7. THE MINIMUM INITIAL TEST PRESSURE SHALL BE 3.5 PSIG EXCEPT IN AREAS WITH HIGH WATER TABLES. FOR EVERY FOOT OF GROUNDWATER ABOVE THE SPRINGLINE OF THE PIPE, THE TEST PRESSURE SHALL BE INCREASED BY 0.43 PSIG UP TO A MAXIMUM TEST PRESSURE OF 9 PSIG.
- 8. MANHOLES SHALL BE VISUALLY INSPECTED TO ASSURE THERE ARE NO VISIBLE LEAKS. ANY RESTORATION MEASURES MUST BE APPROVED BY SARASOTA COUNTY UTILITIES.
- 9. THE MAXIMUM ALLOWABLE INFILTRATION INFLOW SHALL BE ONE HUNDRED (100) GALLONS PER INCH OF DIAMETER PER MILE PER DAY. THE MINIMUM TEST TIME SHALL BE TWO (2) HOURS USING TEST CONDITIONS SPECIFIED BY THE EOR.
- 10. TELEVISION INSPECTION SHALL BE CONDUCTED IN ACCORDANCE WITH SECTION 13.3.3.E OF THE SARASOTA COUNTY "UNIFORM WATER, WASTEWATER AND RECLAIMED WATER SYSTEM CODE" UNLESS APPROVED BY SARASOTA COUNTY. ALL MANHOLE INVERTS MUST BE BUILT, ROADWAYS SHALL HAVE BASE LAY, PRIMED AND HAVE DENSITY TESTING COMPLETED. GRAVITY SEWER IN EASEMENTS SHALL HAVE COMPACTED BACKFILL TO GRADE.

FORCE MAIN TESTING

- 11. THE CONTRACTOR SHALL CONDUCT LEAKING AND HYDROSTATIC TESTING ON ALL FORCE MAINS AND FDOT FORCE MAINS AND RECLAIMED WATER ABOVE THE SPRINGLINE AS PART OF THIS PROJECT. LEAKAGE TESTS SHALL BE PERFORMED CONCURRENTLY AFTER THE INSTALLATION OF ALL CONSTRAINTS AND PROPER BACKFILLING AND COMPACTION HAVE BEEN COMPLETED. BEFORE APPLYING PRESSURE, ALL AIR SHALL BE EXPELLED FROM THE PIPE. ALL FAULTY PIPE FITTINGS, VALVES OR OTHER ACCESSORIES WHICH PERMIT LEAKS DURING THE TESTING SHALL BE REPLACED WITH SOUND MATERIAL AND THE TEST SHALL BE REPEATED UNTIL THE TEST REQUIREMENTS ARE MET.
- 12. THE TEST PRESSURE SHALL BE SEVENTY-FIVE (75) PSIG OR TWICE THE SYSTEM DESIGN PRESSURE, WHICHEVER IS GREATER.
- 13. ALLOWABLE LEAKAGE FOR TESTING SHALL BE BASED ON MAXIMUM SECTIONS OF 1,000 FEET BETWEEN VALVES OR PLUGS AND SHALL BE LESS THAN THE NUMBER OF GALLONS PER HOUR DETERMINED BY THE FOLLOWING FORMULA:

$L = SDVP / 133,200$

WHERE:
 L = ALLOWABLE LEAKAGE, IN GALLONS PER HOUR.
 S = LENGTH OF PIPE TESTED, IN FEET.
 D = NOMINAL DIAMETER OF THE PIPE, IN INCHES.
 P = AVERAGE TEST PRESSURE MAINTAINED DURING THE TEST, IN POUNDS PER SQUARE INCH GAUGE.

GENERAL REQUIREMENTS AND CITY PERMITS

- 1. THESE CITY STANDARD DETAILS ARE INTENDED TO SERVE AS A CURRENT SET OF GUIDELINES AND MINIMUM ACCEPTABLE STANDARDS TO CITY STAFF. ANY DEVIATION FROM THESE DETAILS, INCLUDING, BUT NOT LIMITED TO, ALTERNATIVE MATERIALS, SUPPLIERS, OR MANUFACTURERS MAY BE SUBMITTED; AND ARE SUBJECT TO FINAL APPROVAL BY THE CITY ENGINEER.
- 2. THESE DETAILS ARE UPDATED AND REISSUED IN JANUARY OF EACH CALENDAR YEAR. HOWEVER, DUE TO UNIQUE CIRCUMSTANCES, CHANGES OR MODIFICATIONS MAY BE REQUIRED BY CITY STAFF AT ANY TIME.
- 3. THESE DETAILS ARE INTENDED TO MEET ALL CURRENT MATERIALS FOR CONSTRUCTION QUALIFICATIONS OF FOOT AS WELL AS APPLICABLE ASTM STANDARDS, LATEST REVISIONS.
- 4. ALL CONSTRUCTION WITHIN THE CITY OF VENICE SHALL MEET THE APPLICABLE TESTING REQUIREMENTS LISTED IN SECTION 4.
- 5. A MAINTENANCE OF TRAFFIC (MOT) PLAN, IF APPLICABLE, SHALL BE SUBMITTED WITH THE CONSTRUCTION PLANS TO THE CITY ENGINEERING DEPARTMENT.
- 6. THE CITY ENGINEERING DEPARTMENT ISSUES THE FOLLOWING PERMITS:
 - A) SITE PREPARATION PERMIT – BEFORE ANY ACTIVITY SUCH AS REMOVAL OF VEGETATION, SITE GRADING, DELIVERY OF FILL, OR GROUND BREAKING, THE PROPERTY OWNER OR HIS AGENT WILL OBTAIN A SITE PREPARATION PERMIT FROM THE CITY. NO SITE ACTIVITY IS TO BEGIN UNTIL A CITY-APPROVED BMP PLAN IS IN PLACE. A SITE PREPARATION PERMIT WILL BE ISSUED BY THE CITY UPON APPROVAL OF THE BMP PLAN. A COPY OF THE CITY OF VENICE TREE REMOVAL PERMIT WILL BE REQUIRED PRIOR TO ISSUANCE OF THE SITE PREPARATION PERMIT. CONTACT THE CITY OF VENICE TO APPLY FOR THE TREE PERMIT.
 - B) CONSTRUCTION PERMIT – THE CONSTRUCTION PERMIT ALLOWS FOR ALL OTHER SITE IMPROVEMENTS NOT INCLUDED WITHIN A SITE PREPARATION PERMIT. REQUIREMENTS FOR THIS PERMIT ARE DISCUSSED IN SECTION 3.
 - C) RIGHT-OF-WAY USE PERMIT – ISSUED FOR ANY CONSTRUCTION WITHIN THE CITY OWNED RIGHT-OF-WAY. 1. ANY WORK IN THE SARASOTA COUNTY ROW (BORDER AND JACARANDA) WILL NEED A ROW PERMIT FROM SARASOTA COUNTY.
 - D) LICENSE AGREEMENT – ISSUED FOR ANY IMPROVEMENT WITHIN THE CITY OWNED RIGHT-OF-WAY WHICH DOES NOT MEET THE CITY STANDARD DETAILS DESIGN REQUIREMENTS (I.E. BRICK PAVEMENT DRIVEWAY OR STRUCTURAL IMPROVEMENTS).
- APPLICATIONS FOR THE ABOVE PERMITS ARE AVAILABLE AT THE ENGINEERING DEPARTMENT, FORMS SECTION OF THE CITY WEBSITE WWW.VENICEGOV.COM OR AT THE BUILDING DEPARTMENT COUNTER.
- 7. A PRE-CONSTRUCTION MEETING SHALL BE HELD FOR ALL CONSTRUCTION PERMITS PRIOR TO START OF WORK. THE PROJECT ENGINEER OF RECORD (EOR) OR CONSTRUCTION MANAGER SHALL COORDINATE THE MEETING WITH THE ENGINEERING DEPARTMENT, FOR THE PURPOSE OF OUTLINING CITY STANDARDS, TESTING AND INSPECTION REQUIREMENTS, CITY DEPARTMENT RESPONSIBILITIES, AND OTHER RELATED CONSTRUCTION CONCERNS. THE EOR OR CONSTRUCTION MANAGER SHALL PROVIDE COPIES OF ALL APPLICABLE STATE AND FEDERAL PERMITS AT THIS MEETING, INCLUDING SWFWM ERP, NPDES NOI LETTER AND SWPPP, FDEP, HEALTH DEPARTMENT AND/OR FOOT.
- 8. ALL SHOP DRAWINGS SHALL BE SUBMITTED AS ONE COMPLETE SUBMITTAL PACKAGE ONLY, INCLUDING A SHOP DRAWING SCHEDULE WHICH CATALOGS ALL THE SHOP DRAWINGS FOR THE PROJECT. WATER, SEWER & STORMWATER SHOP DRAWING PACKAGES SHALL INCLUDE ALL APPLICABLE PERMITS (FDEP & SWFWM) OR A LETTER FROM THE EOR INDICATING THOSE PERMITS ARE NOT REQUIRED. SUBMITTALS WILL BE REJECTED PRIOR TO REVIEW IF THE PERMITS ARE NOT INCLUDED. SHOP DRAWINGS MUST BE APPROVED AND STAMPED BY THE ENGINEER OF RECORD (EOR) PRIOR TO SUBMISSION TO THE CITY ENGINEERING DEPARTMENT FOR REVIEW. EACH SHEET OF THE SUBMITTAL WILL BE INDIVIDUALLY STAMPED AND INITIALED BY THE EOR. ANY CONSTRUCTION PRIOR TO THE REVIEW AND ACCEPTANCE PROCESS IS SUBJECT TO REMOVAL AT THE CONTRACTOR'S EXPENSE.
- 9. THE CITY OF VENICE UTILITIES DEPARTMENT SHALL OPERATE ALL CITY OWNED WATER VALVES.
- 10. INSTALLATION OF PARTS MUST MEET ALL MANUFACTURER'S GUIDELINES AND REQUIREMENTS.

CITY OF VENICE TESTING REQUIREMENTS

- 1 **STORM SEWERS:**
 - A) STORM SEWERS SHALL BE TESTED AS PER FDOT SPECIFICATIONS AND INCLUDE COMPACTION TESTING IN CONFORMANCE WITH ITEM 4.2.A ABOVE, GRAVITY SEWER COMPACTION TESTING.
 - B) THE OWNER SHALL PROVIDE A VIDEO TAPE OF THE CAMERA INSPECTION FOR ALL DRAINAGE PIPING BEING TURNED OVER TO THE CITY PRIOR TO ACCEPTANCE OF THE IMPROVEMENTS. VIDEO INSPECTION SHALL BE CONDUCTED WITHIN ONE YEAR AND SHALL BE COMPLETED WHEN THE GROUND WATER IS AT OR ABOVE NORMAL ELEVATION.
- 2 **PRESSURE MAINS (POTABLE, RECLAIMED, FORCE MAINS):**
 - A) COMPACTION TESTING SHALL BE PERFORMED EVERY 250 FEET.
 - B) PRESSURE TEST (MAIN)
 - PRIOR TO TESTING, ALL AIR MUST BE EXPELLED FROM THE PRESSURE MAIN.
 - TEST PRESSURE SHALL BE: WATER (POTABLE & RECLAIMED) MAINS: 150 PSI
 - FORCE (WASTEWATER) MAINS: 100 PSI
 - TEST PRESSURE SHALL BE HELD FOR A MINIMUM OF 2 HOURS
 - ALLOWABLE LEAKAGE SHALL BE CALCULATED WITH THE FOLLOWING:

$$L = S D \sqrt{P} / 148,000$$
 L= ALLOWABLE LEAKAGE, GPH
 S= LENGTH OF PIPE TESTED, FT
 D= DIAMETER OF PIPE, IN
 P= AVERAGE TEST PRESSURE, PSI
 - C) CONTACT THE BUILDING DEPARTMENT FOR FIRE SERVICE TESTING REQUIREMENTS AND SCHEDULING.
 - D) PRESSURE TEST (TAPPING STOPVE & VALVE) SHALL BE IN CONFORMANCE WITH THESE STANDARDS.
 - E) BACTERIOLOGIC TESTING OF POTABLE MAINS SHALL BE COORDINATED THROUGH COV UTILITIES DEPT. AND IN CONFORMANCE WITH STATE OF FLORIDA DEPARTMENT OF HEALTH. BACTERIAL SAMPLE SHALL BE TAKEN BY A CERTIFIED LABORATORY OR FDOT PERSONNEL ONLY.
 - F) FOR ALL WATER NEEDED FOR FLUSHING, PRESSURE TESTING OR BACTERIOLOGICAL SAMPLING, PLEASE PROVIDE 48 HOURS ADVANCE NOTICE TO THE CITY OF VENICE UTILITIES DEPARTMENT (941) 480-3333. THE CITY WILL OPERATE ALL VALVES.
 - G) DISINFECTING OF WATER MAINS MUST FOLLOW ANSI/AWWA 651-99 AND MUST BE WITNESSED BY CITY UTILITIES. 48-HR. (480-3333). DISINFECTATION PLAN TO BE SUBMITTED TO COV UTILITIES DEPT. FOR REVIEW & APPROVAL PRIOR TO SCHEDULING DISINFECTATION.
 - H) FORCE MAINS SHALL BE A MINIMUM OF 4" IN DIAMETER
 - 1) THERE SHALL BE NO LEAD PRODUCTS USED IN ANY POTABLE WATER INFRASTRUCTURE INCLUDING PIPES, FITTINGS OR JOINTS.
- 3 **BACKFLOW ASSEMBLIES:**
 - A) BACKFLOW ASSEMBLIES SHALL BE TESTED UPON INSTALLATION IN ACCORDANCE WITH THE CITY'S CROSS CONNECTION CONTROL PROGRAM MANUAL. RESULTS SHALL BE SUBMITTED TO THE UTILITIES DEPARTMENT WITHIN 72 HOURS.

CONSTRUCTION PLAN SUBMITTAL REQUIREMENTS

SUBMIT EIGHT (8) SETS OF CONSTRUCTION PLANS, SIGNED AND SEALED BY A FLORIDA LICENSED PROFESSIONAL ENGINEER TO THE ENGINEERING DEPARTMENT FOR REVIEW AFTER PLANNING & ZONING TECHNICAL REVIEW APPROVAL. (ELECTRONIC SUBMITTAL WILL BE REQUIRED ONCE THE CITY INSTITUTES E-PLAN REVIEW PROGRAM). CONSTRUCTION PLANS WILL NOT BE ACCEPTED FOR REVIEW UNTIL PERMIT FEE HAS BEEN PAID. CONSTRUCTION PLAN APPROVAL WILL NOT BE ISSUED UNTIL PLANNING COMMISSION APPROVAL IS OBTAINED, AND ALL REQUIRED PLAN REVISIONS ARE COMPLETED. CONSTRUCTION PLANS MUST CONFORM TO THE PLANNING COMMISSION'S APPROVED SITE PLAN AND SWFWM PERMIT DOCUMENTS. A CITY OF VENICE CONSTRUCTION PERMIT AND ALL APPLICABLE STATE AND FEDERAL PERMITS ARE REQUIRED BEFORE BEGINNING ANY WORK.

CONSTRUCTION PLANS SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

1 TITLE SHEET:

- A) PROJECT NAME, AS REFERENCED IN TECHNICAL REVIEW PROCESS OR NOTE OF DISCREPANCY
- B) PLANS SHALL BE TITLED "CONSTRUCTION PLANS"
- C) LOCATION MAP
- D) INDEX OF SHEETS
- E) NAME OF OWNER AND CONTACT INFORMATION
- F) NAME OF ENGINEER AND CONTACT INFORMATION
- G) NAME OF SURVEYOR AND CONTACT INFORMATION
- H) NAMES OF PROVIDERS OF ALL UTILITIES AND SERVICES FOR THE PROPERTY
- I) DESIGNATION OF PUBLIC VERSUS PRIVATE IMPROVEMENTS (UTILITIES, ROADS, ETC.)
- J) DATE PLANS ISSUED
- K) PERCENT AND ACREAGE OF IMPERVIOUS/PERVIOUS AREA (EXISTING AND PROPOSED)
- L) ENGINEER'S QUANTITY ESTIMATE OF INFRASTRUCTURE IMPROVEMENTS
- LINEAR FEET OF RECLAIMED WATER MAIN
- LINEAR FEET OF POTABLE WATER MAIN
- LINEAR FEET OF GRAVITY SEWER MAIN
- LINEAR FEET OF FORCE MAIN
- NUMBER OF MANHOLES

REQUIRED NOTES: (TO BE SHOWN ON COVER SHEET)

- 1. ALL WORK CONDUCTED IN THE CITY OF VENICE RIGHT-OF-WAY (ROW) WILL REQUIRE THE ISSUANCE OF A ROW USE PERMIT.
- 2. ALL WORK CONDUCTED IN SARASOTA COUNTY AND/OR FDOT ROW SHALL REQUIRE A COPY OF THE ISSUED PERMITS.
- 3. TREE REMOVAL PERMIT SHALL BE ISSUED BY THE CITY OF VENICE.
- 4. POST-DEVELOPMENT RUNOFF DOES NOT EXCEED PRE-DEVELOPMENT RUNOFF VOLUME OR RATE FOR A 24-HOUR, 25-YEAR STORM EVENT.
- 5. ALL FIRE SERVICE BACKFLOW ASSEMBLIES SHALL BE INSTALLED BY A CERTIFIED CONTRACTOR WITH A CLASS I, II, OR V CERTIFICATE OF COMPETENCY ISSUED BY THE STATE FIRE MARSHALL AS PER F.S. 33.521
- 6. CONSTRUCTION SITE MUST BE POSTED WITH 24-HOUR CONTACT INFORMATION
- 7. ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, SHALL MEET CITY OF VENICE STANDARDS.
- 8. CONTACT PUBLIC WORKS SOLID WASTE DIVISION (941-486-2422) FOR APPROVAL OF DUMPSTER LOCATION AND LAYOUT PRIOR TO CONSTRUCTION

2 EXISTING CONDITIONS PLAN:

- A) BOUNDARY AND TOPOGRAPHIC SURVEY WITH ALL EXISTING IMPROVEMENTS AND EASEMENTS.
- B) FLOOD ZONE DESIGNATION AND LIMITS OF THE REGULATORY FLOOD PLAN.

3 APPROVED SITE PLAN:

- A) SITE PLAN MUST CONFORM TO PLAN APPROVED BY PLANNING COMMISSION.
- B) SITE PLAN TO SHOW PLAN VIEW OF ALL PROPOSED IMPROVEMENTS.

4 MASTER GRADING & DRAINAGE PLAN:

- A) CONSTRUCTION PLANS MUST CONFORM TO THE SWFWM STAMPED, APPROVED PLANS AND PERMIT CONDITIONS.
- B) INDIVIDUAL LOT GRADING PLAN SHALL BE SHOWN WITH THE PROPOSED FINISHED FLOOR ELEVATION.

5 MASTER PAVING & STRIPING PLAN:

6 MASTER UTILITY PLAN:

- A) PROFILES SHALL BE SHOWN FOR ALL PIPELINES. MINIMUM SEPARATION AND COVER SHALL BE MAINTAINED AND NOTED AT CROSSING WITH OTHER UTILITIES IN ACCORDANCE WITH THESE STANDARD DETAILS.
 - B) PROPOSED SWING TABLE SHALL BE INCLUDED IN CONSTRUCTION PLAN SUBMITTAL.
 - C) PROPOSED SITE LIGHTING WITH UTILITY OVERLAY SHALL BE PROVIDED TO VERIFY THAT CONFLICTS DO NOT EXIST (EXISTING AND PROPOSED).
- 7 CITY OF VENICE STANDARD DETAILS (LATEST VERSION):**
- A) DESIGNATION (SEE SHEET____) SHALL BE PROVIDED ON APPLICABLE SHEET FOR IMPROVEMENTS TO BE CONSTRUCTED IN ACCORDANCE WITH THE COV STANDARD DETAILS.
 - B) ALL APPLICABLE CITY STANDARD DETAILS SHALL BE INCLUDED IN THE CONSTRUCTION PLAN SUBMITTAL IN THEIR ENTIRETY, PLACED ON THE EOR'S PROJECT TITLE BLOCK. DETAILS WHICH DO NOT APPLY TO THE PROJECT MAY BE EXCLUDED FROM THE PLAN SET.
 - C) THESE CITY STANDARD DETAILS REPRESENT THE MINIMUM ACCEPTABLE IMPROVEMENTS FOR PROJECTS BUILT WITHIN THE CITY AND MUST BE SIGNED & SEALED BY THE EOR CERTIFYING THE DETAILS ARE APPROPRIATE FOR THE SPECIFIC PROJECT.
 - D) SITE CONDITIONS OF AN INDIVIDUAL PROJECT COULD WARRANT AN INCREASED DESIGN STANDARD FROM THESE DETAILS. NO ALTERATION OR MODIFICATION OF THE INDIVIDUAL CITY DETAILS IS PERMITTED, UNLESS THE DESIGN PROFESSIONAL IS INCREASING THE DESIGN STANDARD. ANY PROPOSED DETAIL CHANGES SHALL BE PROVIDED ON A SEPARATE SHEET OF THE CONSTRUCTION PLAN SUBMITTAL WITH THE REVISION CLEARLY IDENTIFIED.
 - E) ANY ADDITIONAL DETAILS PROVIDED BY EOR MUST MEET OR EXCEED THE MINIMUM DESIGN STANDARD IN THE COV STANDARD DETAILS.
 - F) DIGITAL COPIES OF THE LATEST STANDARD DETAILS MAY BE OBTAINED FROM THE ENGINEERING DEPARTMENT, FORMS SECTION OF THE CITY WEBSITE @ WWW.VENICEGOV.COM.

8 APPROVED LANDSCAPE PLAN:

- A) THE APPROVED TRC LANDSCAPE PLAN SHALL BE INCLUDED IN THE CONSTRUCTION PLAN SET. LANDSCAPE PLAN SHALL INDICATE ALL PLANTS PROPOSED FOR INSTALLATION AND INCLUDE A UTILITY OVERLAY TO VERIFY THAT CONFLICTS DO NOT EXIST.

9 GENERAL SUBMITTAL REQUIREMENTS:

- A) NORTH ARROWS AND SCALES SHALL BE SHOWN ON EACH APPLICABLE SHEET.
- B) ADDITIONAL SHEETS MAY BE NECESSARY TO ACCURATELY DEPICT THE SCOPE OF THE PROJECT OR AS REQUIRED BY THE CITY STAFF FOR CLARITY.
- C) MAXIMUM CONSTRUCTION PLAN SIZE ALLOWED IS 24"x36" SHEETS.
- D) ALL RIGHT-OF-WAYS, EASEMENTS FOR DRAINAGE, UTILITIES, OR OTHER PUBLIC FACILITIES, WHICH WILL BE RELINQUISHED TO THE CITY, SHALL BE SHOWN ON THE RESPECTIVE MASTER PLAN SHEETS.
- E) AS REQUIRED BY THE FLORIDA BOARD OF PROFESSIONAL ENGINEERS, EACH PLAN SHEET MUST BE SIGNED AND SEALED BY THE EOR.
- F) IF THE DEVELOPMENT WILL BE PHASED, ALL PHASE LINES AND SUB-PHASES MUST BE CLEARLY SHOWN ON A SEPARATE PHASING SHEET. ANY CHANGES OF THE PHASE LINES SHALL BE SUBMITTED AS A CONSTRUCTION PLAN MODIFICATION FOR CITY REVIEW AND APPROVAL.

RECORD DRAWING REQUIREMENTS

- 1) RECORD DRAWINGS SHALL BE IN THE SAME FORMAT AS THE APPROVED CONSTRUCTION DRAWINGS (PLAN AND PROFILE). THE RECORD DRAWINGS SHALL BE DEVELOPED, SIGNED, AND SEALED BY THE EOR. IN ORDER TO VERIFY CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS THIS CERTIFIED INFORMATION SHALL BE PROVIDED TO THE EOR BY A PROFESSIONAL SURVEYOR & MAPPER (PSM) LICENSED IN THE STATE OF FLORIDA. WATER AND SEWER CERTIFICATIONS OF COMPLETION WILL NOT BE SIGNED BY UTILITIES DIRECTOR UNTIL RECORD DRAWINGS ARE APPROVED.
- 2) AS A MINIMUM, THE RECORD DRAWINGS SHALL CONSIST OF THE FOLLOWING:
 - A) ACCURATE DIMENSION SHALL BE PROVIDED FOR ALL IMPROVEMENTS TO BE TURNED OVER TO THE CITY UPON CONSTRUCTION COMPLETION. TYPICALLY, THIS INCLUDES PIPES, VALVES, MANHOLES, LIFT STATIONS, ROADWAYS, SIGNAGE, SIDEWALKS, SWALES, STORMWATER FACILITIES, ETC.
 - B) A MINIMUM OF TWO (2) SWING TIES SHALL BE PROVIDED FOR EACH VALVE, FITTING, AND OTHER UNDERGROUND APPURTENANCES AND SHOWN IN TABLE FORMAT. IF DISTANCE TO SWING THE PT. (MANHOLE, CURB INLET, ETC.) IS MORE THAN 200', A BRASS DISC (SEE VALVE BOX DETAIL) MAY BE SET IN CURB WITH DESIGNATION "ST#." PROPOSED SWING THE TABLE SHALL BE INCLUDED WITH CONSTRUCTION PLANS.
 - C) TOP OF PIPE ELEVATIONS AND FINISH GRADE ELEVATIONS SHALL BE PROVIDED AT A MAXIMUM OF 100 FOOT INTERVALS.
 - D) EASEMENTS, RIGHT-OF-WAYS AND PROPERTY LINES SHALL BE CORRECTLY SHOWN AND CONSISTENT WITH ANY RECORDED PLATS. IF A BLANKET EASEMENT HAS BEEN GRANTED, PLACE APPROPRIATE NOTE ON EACH PERTINENT PLAN SHEET.
- 3) RECORD DRAWING SUBMITTAL PROCEDURE:
 - A) SUBMIT THREE (3) COPIES AND CD-ROM WITH ELECTRONIC FILES TO THE CITY ENGINEER'S OFFICE LABELLED FOR REVIEW AND EASEMENT VERIFICATION BY CITY STAFF. FIELD VERIFICATION OF SAID IMPROVEMENTS AND FORMAT VERIFICATION OF THE ELECTRONIC FILES WILL BE CONDUCTED AT THIS TIME. ALL SPARE PARTS SHALL BE DELIVERED TO THE CITY OF VENICE PRIOR TO RECORD DRAWING REVIEW.
 - B) UPON INTEGRATION OF ALL CITY COMMENTS, SUBMIT THREE (3) ORIGINAL SETS ONLINE RECORD DRAWINGS (WITH EOR SIGNATURE AND SEAL) TO THE CITY ENGINEER'S OFFICE.
 - C) SUBMIT, IN AUTOCAD AND PDF FORMAT AND/OR GIS DATA SHAPE FILE, ALL FILES NECESSARY TO PRINT PLOT THE RECORD DRAWINGS. THIS SHALL BE PROVIDED ON CD-ROM AND SHALL CONFORM WITH THE REQUIREMENTS IN SECTION 7.
 - D) THE EOR (ENGINEER OF RECORD) SHALL SUBMIT SWFWM STORMWATER RECORD DRAWINGS AND COPY OF THE FORM – STATEMENT OF COMPLETION AND REQUEST TO TRANSFER TO OPERATION ENTITY, TO THE CITY ENGINEER'S OFFICE.
 - E) A FINAL CERTIFICATE OF OCCUPANCY (CO) SHALL NOT BE GRANTED IF THE ABOVE RECORD DRAWING SUBMITTAL REQUIREMENTS HAVE NOT BEEN MET.

TURNOVER PACKAGE REQUIREMENTS

UPON CONSTRUCTION COMPLETION, PORTIONS OF THE PROJECT THAT WILL BE MAINTAINED BY THE CITY MUST BE 'TURNED OVER' TO THE CITY. CITY ACCEPTANCE OF IMPROVEMENTS, SUCH AS WATER, RECLAIMED WATER, SEWER, STORMWATER SYSTEMS AND ROADWAYS, REQUIRE THAT ALL IMPROVEMENTS BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST VERSION OF THE CITY STANDARD DETAILS, BE CERTIFIED COMPLETE BY THE APPROPRIATE REGULATORY AUTHORITY AND SUBMITTAL OF ALL REQUIRED TURNOVER PACKAGE DOCUMENTATION. A CO WILL NOT BE ISSUED UNTIL THIS PROCESS IS COMPLETED.

THE CITY IS REQUIRED TO HAVE THE PLAT REVIEWED FOR CONFORMITY WITH FL STATUTES BY A PROFESSIONAL SURVEYOR AND MAPPER CONTRACTED OR EMPLOYED BY THE CITY AND REGISTERED UNDER CHAPTER 472 F.A.C. COSTS SHALL BE BORNE BY THE LEGAL ENTITY OFFERING THE PLAT FOR RECORDING. A MINIMUM OF FOUR (4) WEEKS IS NECESSARY BEFORE ANY PLAT CAN BE SENT TO CITY COUNCIL FOR APPROVAL.

ALL COMPLETED TURNOVER PACKAGE DOCUMENTATION MUST BE SUBMITTED TO THE CITY ENGINEERING DEPARTMENT A MINIMUM OF THREE (3) WEEKS PRIOR TO THE CITY COUNCIL MEETING. CITY COUNCIL MEETINGS ARE NORMALLY THE 2ND AND 4TH TUESDAY OF THE MONTH; THEREFORE, THE DEADLINE FOR SUBMITTAL OF COMPLETE TURNOVER PACKAGES IS 4 P.M. ON THE TUESDAY THREE (3) WEEKS PRIOR TO THE CITY COUNCIL MEETING. A COPY OF THE CITY COUNCIL CALENDAR IS AVAILABLE ONLINE AT WWW.VENICEGOV.COM.

A COMPLETE TURNOVER PACKAGE INCLUDES ALL OF THE FOLLOWING ITEMS IF APPLICABLE TO THE PROJECT:

- A) BILL OF SALE FOR THE LINES, AND/OR SYSTEMS
- B) AFFIDAVIT OF NO LEVIES
- C) CERTIFICATION OF CONTRIBUTIONS IN AID OF CONSTRUCTION
- D) FINAL COST LETTER & COST BREAKDOWN WORKSHEET (VERIFICATION OF FINAL COSTS BY EOR)
- E) LEGAL DESCRIPTION
- F) COPY OF PLAT (IF NEW SUBDIVISION, OR IF EXISTING IS RE-DIVIDED)
- G) CONTRACTUAL GUARANTEES FROM OWNER
- H) EASEMENTS GRANTING RIGHT OF ACCESS TO LINES AND/OR SYSTEMS WITHIN PRIVATE PROPERTY
- I) A MAINTENANCE BOND IN THE AMOUNT OF AT LEAST 15% OF THE COST OF CONSTRUCTION OF THE IMPROVEMENTS TO BE TURNED OVER, SECURED BY AN IRREVOCABLE LETTER OF CREDIT OR BOND FROM AN APPROVED SURETY COMPANY, OR CASH, WHEREBY THE PRINCIPAL AGREES TO PERFORM ANY REQUIRED MAINTENANCE OR TESTING FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE BY THE CITY.
- J) DECLARATION OF MAINTENANCE RESPONSIBILITIES
- K) SIGNED AND SEALED FINAL RECORD DRAWINGS APPROVED BY THE CITY OF VENICE ENGINEERING AND UTILITIES DEPARTMENTS. (PLEASE SEE ABOVE FOR THE RECORD DRAWING REQUIREMENTS AND SUBMITTAL PROCEDURE).
- L) RECORD DRAWINGS MUST BE APPROVED BY THE ENGINEERING AND UTILITIES DEPARTMENTS PRIOR TO PROCESSING COMPLETION CERTIFICATIONS FOR SARASOTA COUNTY AIR AND WATER QUALITY OR DOX. AN INCOMPLETE TURNOVER PACKAGE WILL NOT BE PLACED ON THE COUNCIL AGENDA FOR THE NEXT SCHEDULED MEETING.

- IN ORDER TO EXPEDITE THE RECORD DRAWING AND TURNOVER PROCESS, PLEASE VERIFY THAT RECORD DRAWINGS ARE ACCURATE AT FIRST SUBMITTAL. RECORD DRAWINGS MUST BE REVIEWED BY THE ENGINEERING AND UTILITIES DEPARTMENTS EACH TIME REVISED DRAWINGS ARE SUBMITTED. TURNOVER PACKAGES WILL NOT BE CONSIDERED COMPLETE UNTIL SIGNED AND SEALED COPIES OF THE RECORD DRAWINGS APPROVED BY THE ENGINEERING AND UTILITIES DEPARTMENTS ARE SUBMITTED.

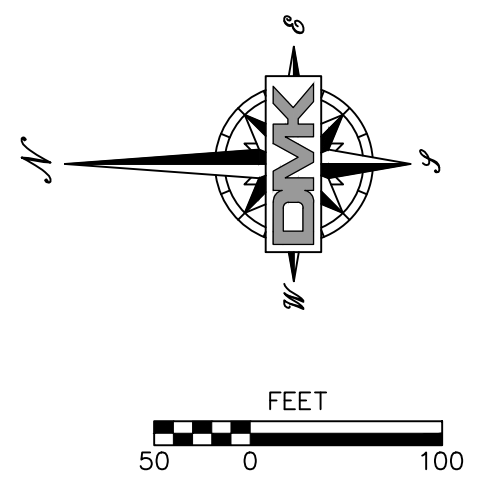
THESE REQUIREMENTS ARE BASED ON RESOLUTION 853-84, APPROVED AND ADOPTED BY THE CITY COUNCIL ON NOVEMBER 27, 1984.

A TURNOVER PACKAGE, INCLUDING INSTRUCTIONS AND REQUIRED FORMS, IS AVAILABLE FOR PICK-UP, REGULAR MAIL OR VIA EMAIL FROM THE CITY ENGINEERING DEPARTMENT.

AT TIME OF ONE-YEAR WARRANTY INSPECTION, ALL SYSTEMS MUST BE OPERATIONAL. CITY STAFF MAY REQUIRE PROPERTY OWNER TO CONDUCT VERIFICATION TESTING IF NECESSARY TO DETERMINE CONDITION OF IMPROVEMENTS. TYPICALLY THIS INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:

- VALVES
- FIRE HYDRANTS
- BACKFLOW ASSEMBLY
- LIFT STATION
- HYDRAULIC COLLECTION PIPES
- FORCE MAINS
- WATER LINES
- MANHOLES
- ROADWAY CONDITION
- STORM SEWERS

DATE	REVISION	BY	DMK ASSOCIATES ENGINEERS & SURVEYORS 421 Commercial Court, Suite C Venice, Florida 34292 Phone (941)412-1293, Fax (941)412-1043 Certificate of Authorization No. 3943			DATE	CKD. BY	DATE	S
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ID: 0401070001
ZONING: PUD
LAND USE: GOLF

ID: 0412030001
ZONING: PUD
LAND USE: COMMUNITY - MIXED USE

ID: 0402040001
ZONING: GOV
LAND USE: PARKS COMMUNITY

ID: 0411040001
ZONING: GOV
LAND USE: PARKS-ATHLETIC COMPLEX
AREA = 79.43 ACRES

LOT COVERAGE
EXISTING LOT COVERAGE = 65,486 SF
15% OF EXISTING LOT COVERAGE = 9,823 SF

EXISTING BUILDING SF	
BLDG. #1	18,598
BLDG. #2	1,589
BLDG. #3	100
BLDG. #4	576
BLDG. #5	1,958
BLDG. #6	669
BLDG. #7	225
BLDG. #8	324
BLDG. #9	222
BLDG. #10	74
BLDG. #11	76
BLDG. #12	2,319
BLDG. #13	738
BLDG. #14	419
BLDG. #15	586
BLDG. #16	298
BLDG. #17	281
BLDG. #18	293
BLDG. #19	556
BLDG. #20	200
BLDG. #21	219
BLDG. #22	1,086
BLDG. #23	980
BLDG. #24	876
BLDG. #25	492
BLDG. #26	9,652
BLDG. #27	529
BLDG. #28	8,360
BLDG. #29	2,218
BLDG. #30	276
BLDG. #31	576
BLDG. #32	484
BLDG. #33	333
BLDG. #34	125
BLDG. #35	84
BLDG. #36	9,092
TOTAL	65,483

EXISTING BUILDING AREAS SHOWN ON THIS MAP WERE PROVIDED BY AN OUTSIDE AGENCY. DMK ASSOCIATES, INC. IS NOT RESPONSIBLE FOR ERRORS IN BUILDING SQUARE FOOTAGE OUTSIDE THE PROJECT AREA.

LOCATED IN SECTION 9, TOWNSHIP 39 SOUTH, RANGE 19 EAST CITY OF VENICE, FLORIDA

Drawing name: F:\Projects\2022\22-0016_Sarasota_Croquet Club\Work\22-0016-SITE-SITE-PLAN.dwg Title: SPT 4 Date Printed: Tue, 17 Jan 2023 - 6:26am

DATE	REVISION	BY



DMK ASSOCIATES
 ENGINEERS & SURVEYORS
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 Phone (941)412-1293, Fax (941)412-1043
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01/25/22	JRR	01/17/23
01/17/23	JRR	01/17/23

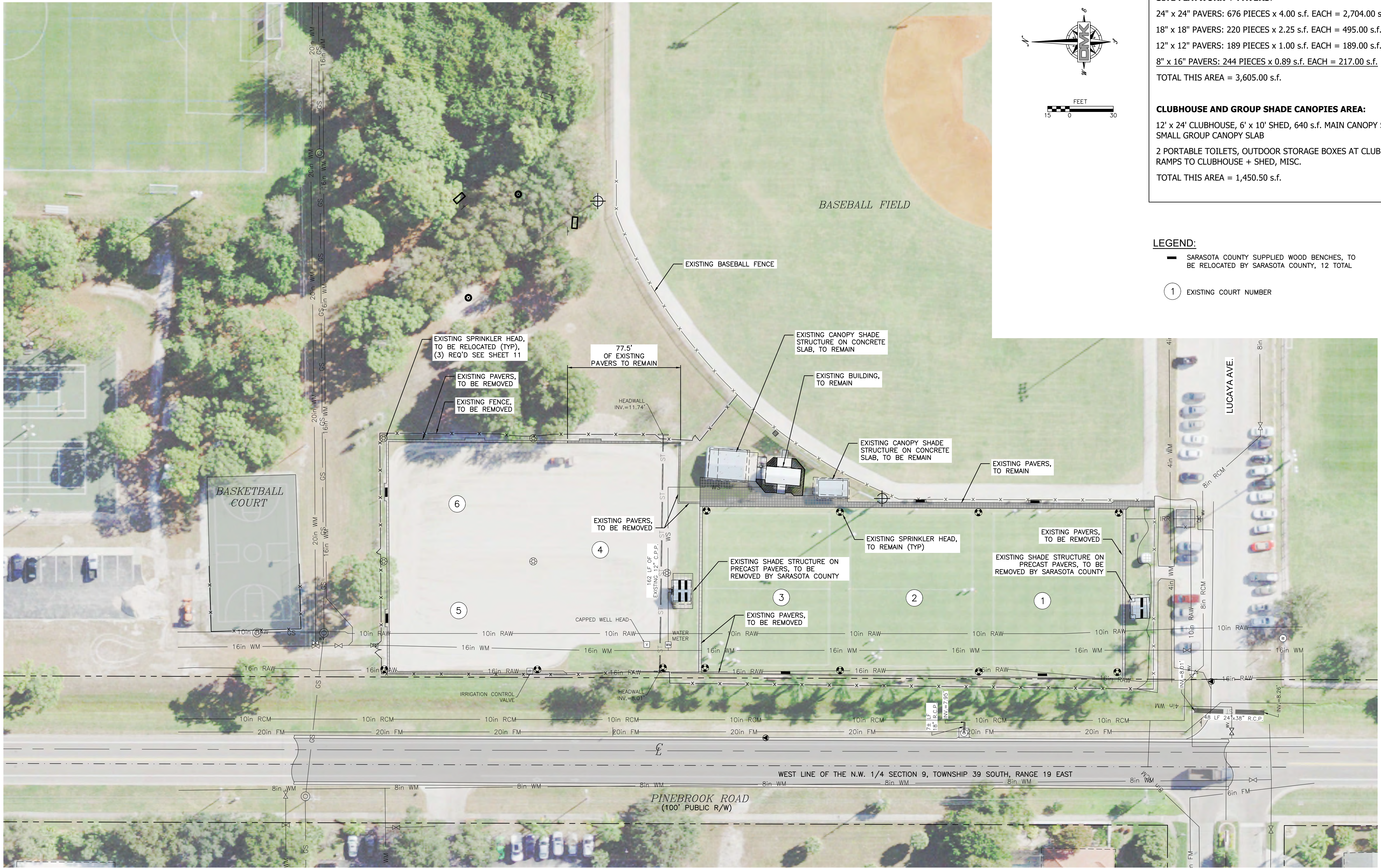
SCALE @ 24"x36" DMK NO. 22-0016

SARASOTA COUNTY CROQUET CLUB, INC.
 1400 LUCAYA AVENUE
 VENICE, FL. 34285

WELLFIELD PARK - CROQUET COURT EXPANSION PROJECT
AERIAL PHOTO PLAN

ENGINEER OF RECORD
 JEFFREY R. RAYKOS, P.E.
 STATE OF FLORIDA NO. 88349

SHEET No. **4**



EXISTING IMPERVIOUS

SITE FLATWORK + PAVERS:

- 24" x 24" PAVERS: 676 PIECES x 4.00 s.f. EACH = 2,704.00 s.f.
- 18" x 18" PAVERS: 220 PIECES x 2.25 s.f. EACH = 495.00 s.f.
- 12" x 12" PAVERS: 189 PIECES x 1.00 s.f. EACH = 189.00 s.f.
- 8" x 16" PAVERS: 244 PIECES x 0.89 s.f. EACH = 217.00 s.f.
- TOTAL THIS AREA = 3,605.00 s.f.

CLUBHOUSE AND GROUP SHADE CANOPIES AREA:

- 12' x 24' CLUBHOUSE, 6' x 10' SHED, 640 s.f. MAIN CANOPY SLAB, 240 s.f. SMALL GROUP CANOPY SLAB
- 2 PORTABLE TOILETS, OUTDOOR STORAGE BOXES AT CLUBHOUSE AREA, 2 RAMPS TO CLUBHOUSE + SHED, MISC.
- TOTAL THIS AREA = 1,450.50 s.f.

LEGEND:

- SARASOTA COUNTY SUPPLIED WOOD BENCHES, TO BE RELOCATED BY SARASOTA COUNTY, 12 TOTAL
- ① EXISTING COURT NUMBER

Drawing name: F:\Projects\2022\22-0016 Sarasota Croquet Club\work\22-0016-SITE-SITE-PLAN.dwg Tab: SHT 5 Date Printed: Tue, 17 Jun 2023 - 6:26am

DATE	REVISION	BY

DMK ASSOCIATES
 ENGINEERS & SURVEYORS
 421 Commercial Court, Suite C Venice, Florida 34292
 Phone (941)412-1293, Fax (941)412-1043
 Certificate of Authorization No. 3943

DATE	01/25/22	CKD. BY	DATE
DRAWN	RMS	JRR	01/17/23
DESIGN	RMS	JRR	01/17/23
SCALE	@ 24"x36"	DMK NO.	22-0016

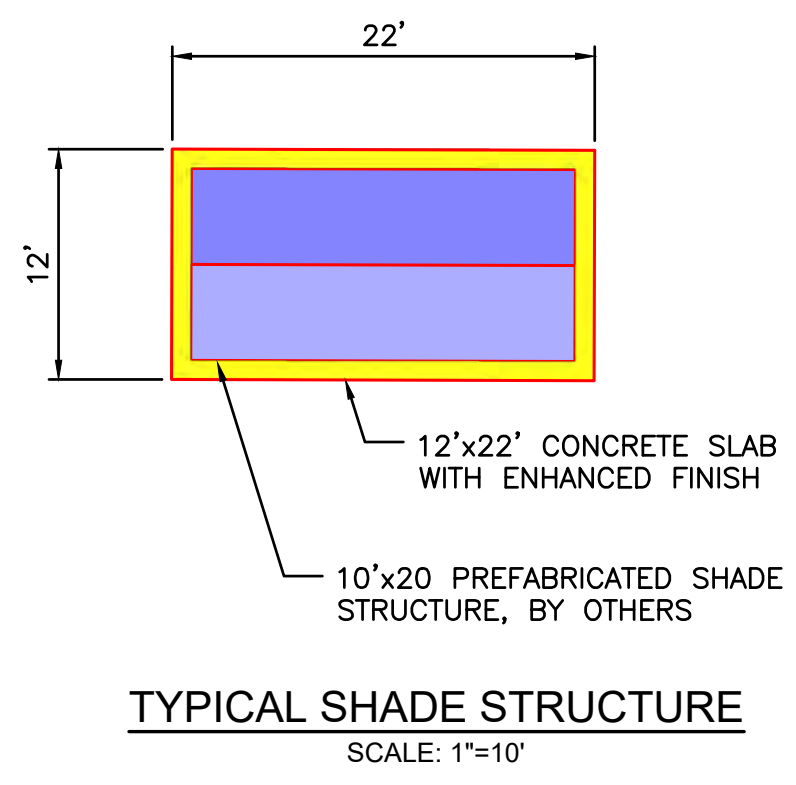
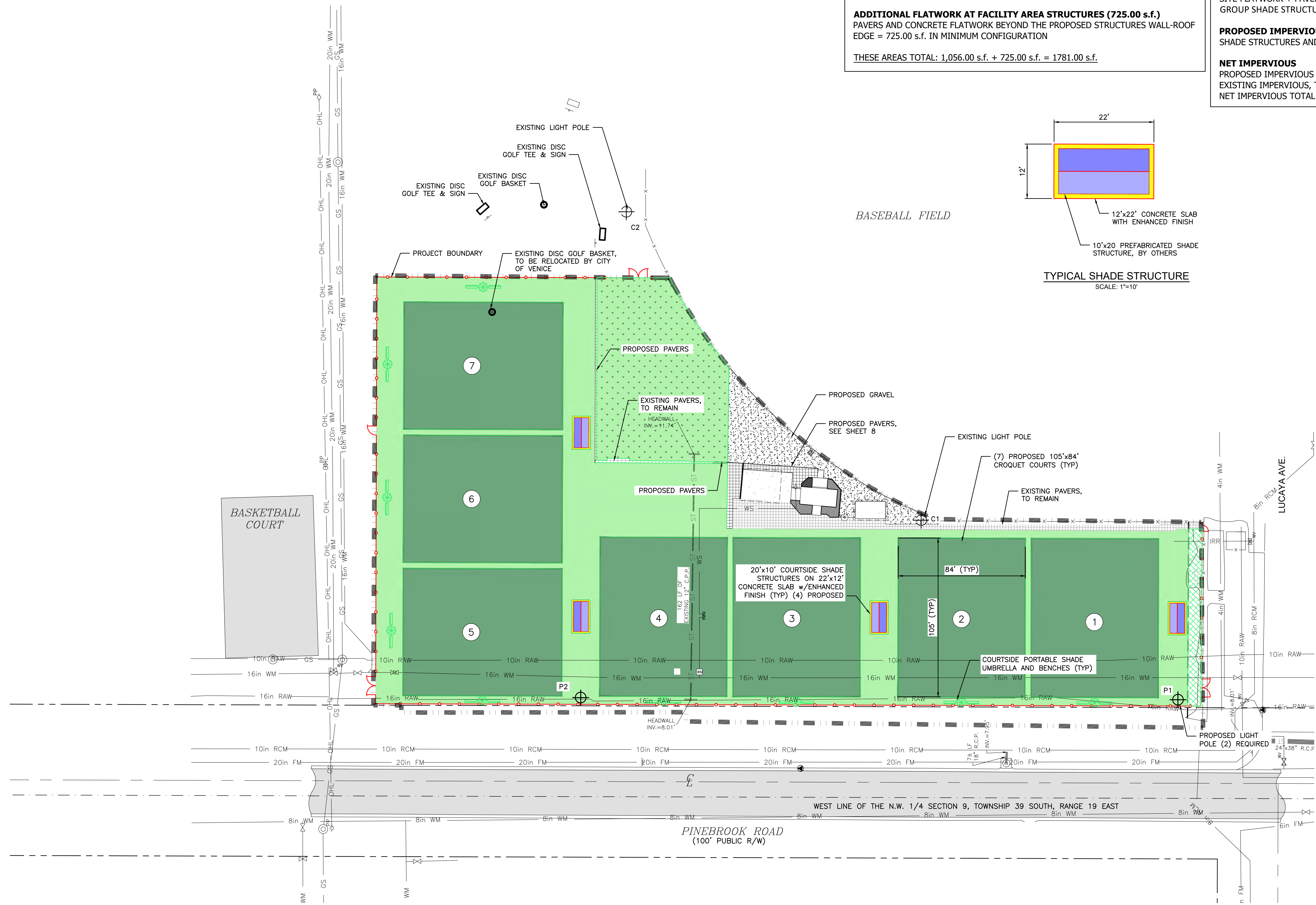
SARASOTA COUNTY
 CROQUET CLUB, INC.
 1400 LUCAYA AVENUE
 VENICE, FL. 34285

WELLFIELD PARK - CROQUET COURT EXPANSION PROJECT
EXISTING CONDITION PLAN

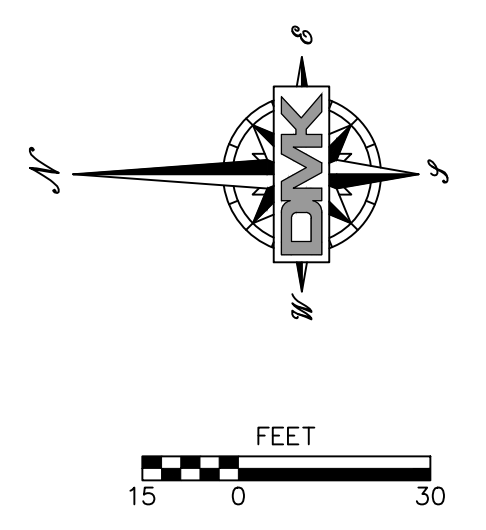
ENGINEER OF RECORD
 JEFFREY R. RAYKOS, P.E.
 STATE OF FLORIDA NO. 88348

PROPOSED IMPROVEMENTS	
COURTSIDE SHADE STRUCTURES (1,056.00 s.f.)	4 AT 264.00 s.f. EACH: 1,056.00 s.f.
ADDITIONAL FLATWORK AT FACILITY AREA STRUCTURES (725.00 s.f.)	PAVERS AND CONCRETE FLATWORK BEYOND THE PROPOSED STRUCTURES WALL-ROOF EDGE = 725.00 s.f. IN MINIMUM CONFIGURATION
THESE AREAS TOTAL: 1,056.00 s.f. + 725.00 s.f. = 1781.00 s.f.	

BUILD SUMMARY	
EXISTING IMPERVIOUS, TO BE REMOVED	
SITE FLATWORK + PAVERS:	1,382.00 s.f.
GROUP SHADE STRUCTURES:	+ 374.00 s.f.
	1,756.00 s.f.
PROPOSED IMPERVIOUS	
SHADE STRUCTURES AND FLAT WORK + PAVERS	1,781.00 s.f.
NET IMPERVIOUS	
PROPOSED IMPERVIOUS	1,781.00 s.f.
EXISTING IMPERVIOUS, TO BE REMOVED	- 1,756.00 s.f.
NET IMPERVIOUS TOTAL	25.00 s.f.



- LEGEND:**
- PROPOSED PAVERS
 - PROPOSED GRAVEL
 - PROPOSED LANDSCAPE AREA
 - PROPOSED CROQUET COURT, PER SOD DETAIL ON SHEET 7
 - PROPOSED OFF COURT SOD, PER SOD DETAIL ON SHEET 7
 - EXISTING NATURAL MATERIAL/ST. AUGUSTINE GRASS TO REMAIN
 - PROPOSED SHADE STRUCTURE ON CONCRETE SLAB
 - PROPOSED BENCHES AND UMBRELLA
 - PROPOSED CHAIN LINK FENCE
 - PROPOSED COURT NUMBER
 - PROPOSED LIGHT POLE
 - EXISTING LIGHT POLE



Drawing name: F:\Projects\2022\22-0016 Sarasota Croquet Club\wpd\22-0016-SITE-PLAN.dwg Tab: SHT 6 Date Printed: Tue, 17 Jan 2023 6:26am

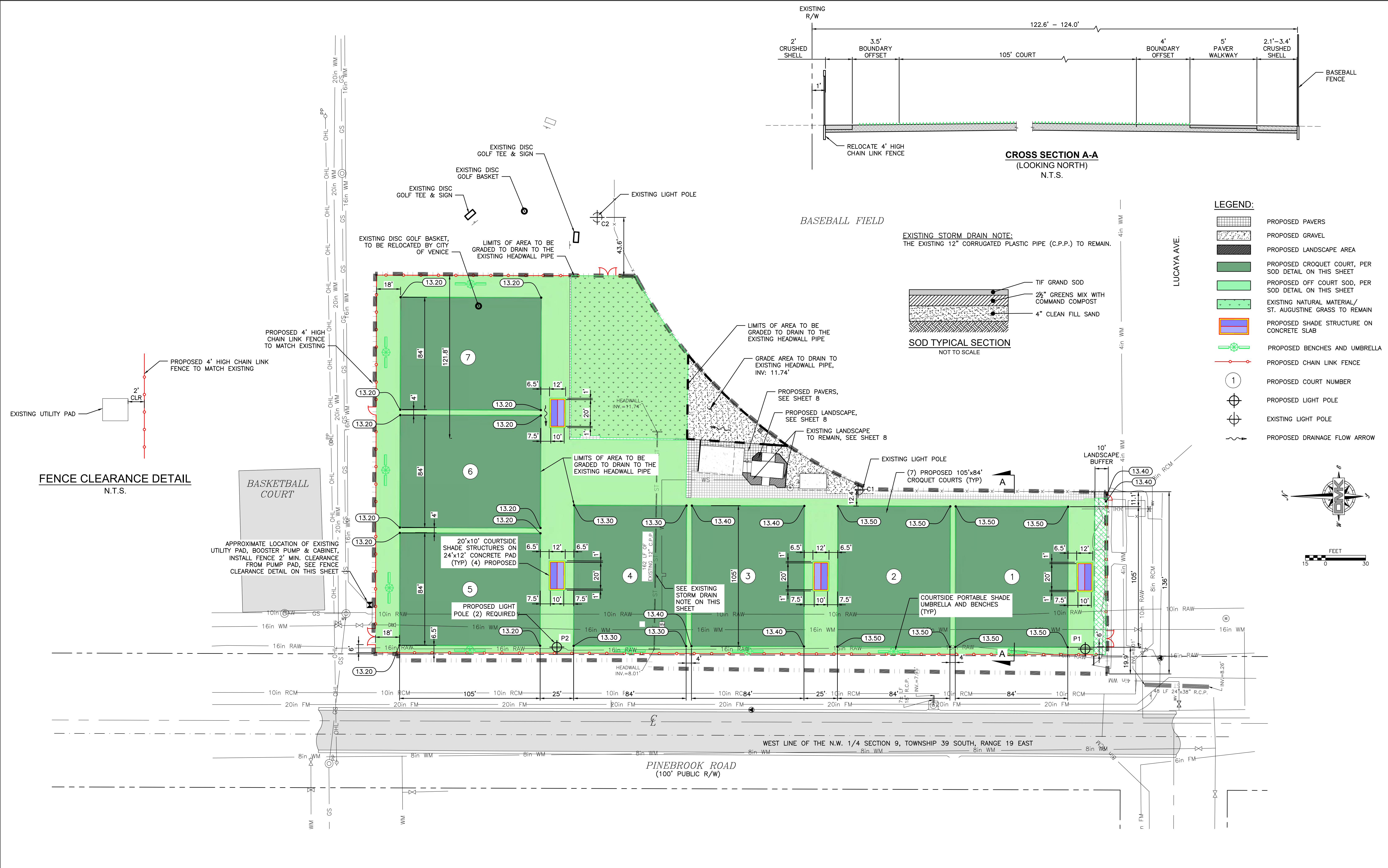
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			01/25/22	JRR	01/17/23	@ 24"x36"	22-0016	WELLFIELD PARK - CROQUET COURT EXPANSION PROJECT	JEFFREY R. RAYKOS, P.E.	6
								PROPOSED IMPERVIOUS AREA PLAN	STATE OF FLORIDA NO. 88349	

DMK ASSOCIATES
ENGINEERS ■ SURVEYORS
421 Commercial Court, Suite C Venice, Florida 34292
Phone (941)412-1293, Fax (941)412-1043
Certificate of Authorization No. 3943

SARASOTA COUNTY CROQUET CLUB, INC.
1400 LUCAYA AVENUE
VENICE, FL. 34285

ENGINEER OF RECORD
JEFFREY R. RAYKOS, P.E.
STATE OF FLORIDA NO. 88349

Drawing name: F:\Projects\2022\22-0016 Sarasota Croquet Club\wp\22-0016-SITE-PLAN.dwg Tab: SPT 7 Date Printed: Tue, 17 Jan 2023 - 6:26am



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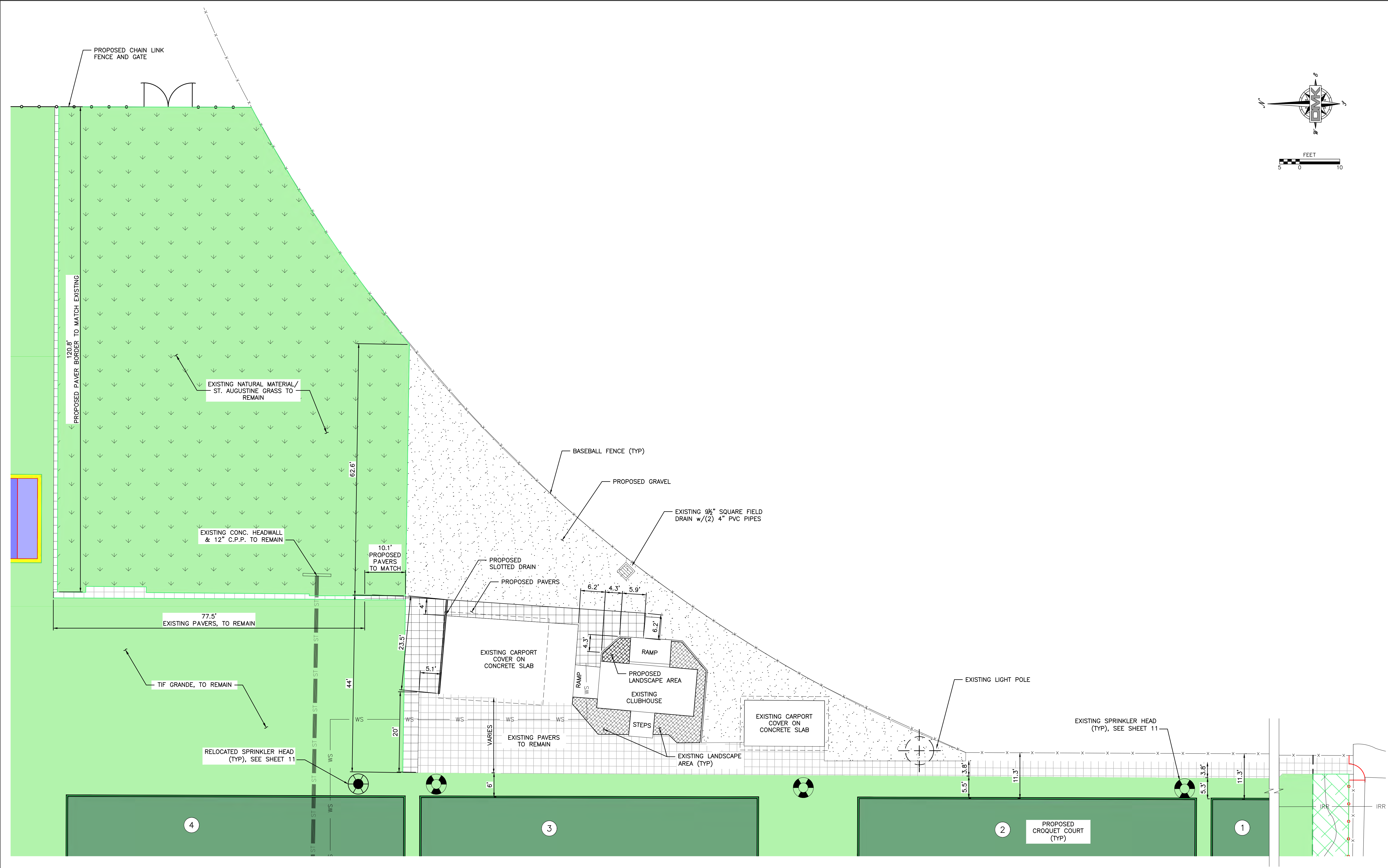
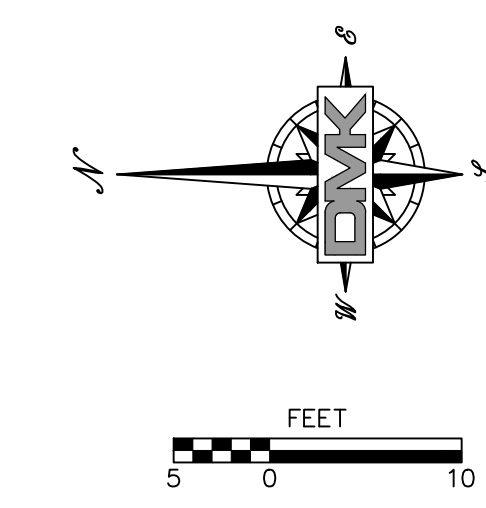
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01/25/22	JRR	01/17/23
DESIGN	RMS	JRR
SCALE @ 24"x36"	DMK NO.	22-0016

SARASOTA COUNTY CROQUET CLUB, INC.
 1400 LUCAYA AVENUE
 VENICE, FL. 34285

WELLFIELD PARK - CROQUET COURT EXPANSION PROJECT
PROPOSED SITE IMPROVEMENT PLAN

ENGINEER OF RECORD
 JEFFREY R. RAYKOS, P.E.
 STATE OF FLORIDA NO. 88349

7



Drawing name: F:\Projects\2022\22-0016 Sarasota Croquet Club\wp\22-0016-SITE-SITE-PLAN.dwg Tab: SHT 8 Date Printed: Tue, 17 Jan 2023 - 6:26am

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 ENGINEERS SURVEYORS
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01/25/22	JRR	01/17/23
DESIGN RMS	JRR	01/17/23
SCALE @ 24"x36"	DMK NO. 22-0016	

SARASOTA COUNTY CROQUET CLUB, INC.
 1400 LUCAYA AVENUE
 VENICE, FL. 34285

WELLFIELD PARK - CROQUET COURT EXPANSION PROJECT
HARDSCAPE DIMENSION PLAN

ENGINEER OF RECORD
 JEFFREY R. RAYKOS, P.E.
 STATE OF FLORIDA NO. 88348

**EROSION CONTROL NOTES
(WHERE APPLICABLE)**

1. GENERAL

THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, TOOLS, MATERIALS AND SERVICES NEEDED TO INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES. THESE MEASURES SHALL CONFORM TO THE PLANS AND SPECIFICATIONS AND ALL APPLICABLE STATE AND LOCAL REQUIREMENTS.

2. WETLAND PROTECTION

IN AREAS OF CONSTRUCTION ADJACENT TO WETLANDS, THE FOLLOWING SHALL BE PERFORMED:

- THE ACTUAL WETLAND AND REQUIRED BUFFERS, AS SHOWN ON THE PLANS, MUST BE ESTABLISHED AND ROPED OFF PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY ADJACENT TO SAID AREAS.
- PRIOR TO THE PLACEMENT OF ANY FILL MATERIAL ADJACENT TO WETLANDS OR BUFFER AREAS, A SILTATION BARRIER SHALL BE CONSTRUCTED.
- NO RIM DITCHING OF THE WETLANDS SHALL BE PERFORMED. WATER LEVELS IN THE WETLANDS SHALL BE MAINTAINED ACCORDING TO LEVELS EXISTING PRIOR TO SITE DISTURBANCE.
- IN AREAS OF WETLANDS IN WHICH WORK IS TO BE PERFORMED, SUCH AREAS MUST BE CLEARLY STAKED AND ROPED OFF. ALONG SUCH LIMITS, A SILTATION BARRIER MUST BE CONSTRUCTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF BARRIERS. BARRIERS SHALL REMAIN IN PLACE UNTIL ALL AREAS ARE STABILIZED.
- THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY UPON DISTURBANCE OF WETLAND AREAS. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ALL PROTECTED AREAS.
- AREAS WHERE IMPACTS WILL BE PERFORMED SHALL BE STRIPPED OF EXISTING MATERIAL AND STOCKPILED FOR USE IN THE RE-CREATION OF THE DISTURBED AREAS OR IN LITORAL ZONES.

3. EARTH MOVING ACTIVITIES

- THE CONTRACTOR SHALL EXERCISE CARE TO PRESERVE THE NATURAL LANDSCAPE AND SHALL PLAN CONSTRUCTION OPERATIONS SO AS TO PREVENT ANY UNNECESSARY DESTRUCTION, SCARRING, OR DETACHING OF THE NATURAL SURROUNDINGS. EXCEPT WHERE CLEARING IS REQUIRED FOR PERMANENT WORK, FOR APPROVED CONSTRUCTION ROADS, OR FOR EXCAVATION OPERATIONS, ALL TREES, NATIVE SHRUBBERY AND VEGETATION SHALL BE PRESERVED AND SHALL BE PROTECTED FROM DAMAGE WHICH MAY BE CAUSED BY THE CONTRACTOR'S CONSTRUCTION OPERATIONS AND EQUIPMENT.
- THE FIRST STAGE OF THE EARTH MOVING ACTIVITY SHALL BE CONFINED TO THE EXCAVATION OF THE STORMWATER FACILITY.
- TOPSOIL SHOULD BE TAKEN FROM THE CONSTRUCTION AREAS AND SHOULD BE STOCKPILED FOR REUSE IN FINISHED GRADING. STOCKPILES SHOULD BE PLACED SO AS NOT TO ADD ANY ADDITIONAL SEDIMENT TO THE CONSTRUCTION. THE STOCKPILES SHOULD BE MULCHED AND/OR SEEDED WHEN EXPOSED BEYOND THIRTY (30) DAYS.
- GRADED AREAS ARE TO BE SEEDDED AND/OR SODDED WITHIN THIRTY (30) DAYS FOLLOWING EARTH MOVING PROCEDURES. IF THE TIME OF YEAR IS NOT CONDUCTIVE FOR PERMANENT SEEDING, A TEMPORARY MULCH AND/OR SEEDING SHOULD BE USED.
- TEMPORARY DIVERSION BERMS AND/OR BARRIERS SHALL BE REMOVED ONLY AFTER THE CONSTRUCTION OF THOSE AREAS DIRECTED TO THE BERMS AND/OR BARRIERS HAVE BEEN COMPLETED.
- THE SILT COLLECTION PONDS SHOULD BE REMOVED AND/OR REGRADED FOR PERMANENT USE, AS THE FINAL GRADING AND SEEDING OVERLAP THE AREA USED BY SAME.

4. FILLS

- LAND TO BE CUT OR FILLED SHOULD BE CLEARED OF TREES, STUMPS, ROOTS, BRUSH, BOULDERS, SOD AND DEBRIS.
- FILL AREAS SHOULD BE SCARIFIED, KEYED AND DRAINED.
- FILL MATERIAL SHOULD BE FREE OF SOD, ROOTS, OR OTHER DECOMPOSABLE MATERIAL.
- THE PLACING AND SPREADING OF FILL MATERIAL SHOULD BE STARTED AT THE LOWEST POINT.
- GENERALLY, A 1:6 SLOPE SHOULD BE USED UNLESS SPECIFIC ENGINEERING DATA SHOWS A STEEPER SLOPE IS STABLE. SLOPES OF 1:4 OR FLATTER ARE DESIRABLE FOR EROSION CONTROL AND MAINTENANCE.
- FILLS SHOULD BE SEEDDED AND/OR MULCHED IMMEDIATELY UPON COMPLETION OF EARTH PLACEMENT.
- WATER MANAGEMENT SYSTEMS SHOULD BE PROVIDED TO PREVENT WATER CONCENTRATION AND ERODING THE FACE OF THE SLOPE. KEEP SURFACE WATER OFF THE FACE OF THE SLOPE.

5. CUTS

- DIVERSIONS SHOULD BE CONSTRUCTED AT TOP OF THE SLOPES PRIOR TO CUTTING OPERATIONS TO CONVEY WATER FROM FACE OF SLOPE.
- STEEPNESS OF CUTS WILL DEPEND ON SOIL TYPE AND DESIGN; HOWEVER, CUT SLOPES OF 1:4 OR FLATTER ARE DESIRABLE FOR EROSION CONTROL AND STABILITY.
- CUT SLOPES SHOULD BE BENCHED TO PROVIDE ACCESS FOR SEEDING AND MULCHING EQUIPMENT.
- CUT SLOPES SHOULD BE SEEDDED AND/OR MULCHED IMMEDIATELY AFTER REMOVAL OF EARTH.

6. TEMPORARY SEDIMENT BASIN AND PERMANENT STORMWATER BASINS

a. **SITE PREPARATION**
AREAS UNDER THE EMBANKMENT AND ANY STRUCTURAL WORKS SHALL BE CLEARED, GRUBBED AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIALS. IN ORDER TO FACILITATE CLEAN-OUT AND RESTORATION, THE POOL AREA (MEASURED AT THE TOP OF THE SPILLWAY) WILL BE CLEARED OF ALL BRUSH AND TREES.

b. **CUT-OFF TRENCH**
A CUT-OFF TRENCH, WHEN POND DEPTHS ARE IN EXCESS OF THREE FEET, SHALL BE EXCAVATED ALONG THE CENTERLINE OF EARTH FILL EMBANKMENTS. THE MINIMUM DEPTH SHALL BE TWO FEET. THE CUT-OFF TRENCH SHALL EXTEND UP BOTH ABUTMENTS TO THE RISER CREST ELEVATION. THE MINIMUM BOTTOM DEPTH SHALL BE FOUR FEET, BUT WIDE ENOUGH TO PERMIT OPERATION OF EXCAVATION AND COMPACTION EQUIPMENT. THE SIDE SLOPES SHALL BE NO STEEPER THAN 1:1. COMPACTION REQUIREMENTS SHALL BE THE SAME AS THOSE FOR THE EMBANKMENT. THE TRENCH SHALL BE DEWATERED DURING THE BACKFILLING-COMPACTION OPERATIONS.

c. **EMBANKMENT**
THE FILL MATERIAL SHALL BE TAKEN FROM APPROVED BORROW AREAS. IT SHALL BE CLEAN SOIL FREE OF ROOTS, WOODY VEGETATIONS, OVER-SIZED STONES, ROCKS OR OTHER OBJECTIONABLE MATERIAL. AREAS ON WHICH FILL IS TO BE PLACED SHALL BE SCARIFIED PRIOR TO PLACEMENT OF FILL. FILL MATERIAL SHALL BE PLACED IN SIX TO EIGHT INCHES THICK CONTINUOUS LAYERS OVER THE ENTIRE LENGTH OF THE FILL. COMPACTION SHALL BE OBTAINED BY ROUTING HAULING EQUIPMENT OVER THE FILL SO THAT THE ENTIRE SURFACE OF EACH LAYER OF THE FILL IS TRAVERSED BY AT LEAST ONE WHEEL OF TREAD TRUCK OF THE EQUIPMENT OR BY THE USE OF A COMPACTOR. THE EMBANKMENT SHALL BE CONSTRUCTED TO AN ELEVATION OF 10% HIGHER THAN THE DESIGN HEIGHT TO ALLOW FOR SETTLEMENT IF COMPACTION IS OBTAINED WITH HAULING EQUIPMENT. IF COMPACTORS ARE USED FOR COMPACTION, THE OVERBUILD MAY BE REDUCED TO NOT LESS THAN 5%.

d. **PIPE SPILLWAYS**
THE RISER SHALL BE SECURELY ATTACHED TO THE BARREL OF THE OUTFALL PIPE. THE BARREL AND RISER SHALL BE PLACED ON A FIRM, SMOOTH SOIL FOUNDATION. THE CONNECTION BETWEEN THE RISER AND RISER BASE SHALL BE WATER TIGHT. THE FILL MATERIAL AROUND THE PIPE SPILLWAY SHALL BE PLACED IN FOUR INCH LAYERS AND COMPACTED UNDER THE SHOULDERS AND AROUND THE PIPE TO AT LEAST THE SAME DENSITY AS THE ADJACENT EMBANKMENT. HAND COMPACTED BACKFILL SHALL BE PLACED OVER THE PIPE SPILLWAY BEFORE CROSSING IT WITH CONSTRUCTION EQUIPMENT.

e. **EROSION POLLUTION CONTROL**
CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION WILL BE MINIMIZED. STATE AND LOCAL LAWS CONCERNING POLLUTION ABATEMENT SHALL BE COMPLIED WITH.

7. MAINTENANCE

- REPAIR ALL DAMAGES CAUSED BY SOIL EROSION OR CONSTRUCTION EQUIPMENT AT OR BEFORE THE END OF EACH WORK DAY.
- SEDIMENT SHALL BE REMOVED FROM SUMP AREAS. THE SEDIMENT SHALL BE PLACED IN SUCH A MANNER THAT IT WILL NOT ERODE FROM THE SITE. THE SEDIMENT SHALL NOT BE DEPOSITED DOWNSTREAM FROM THE EMBANKMENT OR IN OR ADJACENT TO A STREAM OR FLOOD PLAIN.
- AFTER CONSTRUCTION IS COMPLETED AND AREAS ARE SEEDDED AND/OR SODDED, MAINTENANCE IS LIMITED TO VISUAL INSPECTIONS ON A ROUTINE BASIS. ANY DAMAGE TO THE BERM SHALL BE REPAIRED AT ONCE AND RE-SODDED AND/OR RE-SEEDDED. IF THE LEVEL OF WATER IS BEING MAINTAINED OVER THE EXPECTED DRAW DOWN TIME, THE OUTFALL SYSTEM SHALL BE CLEANED AND REPAIRED.

8. BEST MANAGEMENT PRACTICES

DEWATERING WILL OCCUR, AS REQUIRED, FOR ALL EXCAVATION ACTIVITY INCLUDING, BUT NOT LIMITED TO STORM SEWERS, SANITARY SEWERS, WATER & SEWER LINES AND STORMWATER PONDS.

ALL DEWATERING EFFLUENT SHALL BE ROUTED TO THE TEMPORARY SEDIMENT SUMP PRIOR TO DISCHARGE TO THE WETLANDS OR OFFSITE. THE GENERAL PROCESS OF THE DEWATERING SYSTEM SHALL BE ADHERED TO DURING CONSTRUCTION, ALTHOUGH THE ACTUAL LAYOUT OF THE SYSTEM SHALL BE CONSTRUCTED AS DICTATED BY FIELD CONDITIONS.

IF THE DEWATERING SYSTEM USES A PUMP AND PIPING, IT MUST BE LESS THAN 6 INCHES IN DIAMETER AND OPERATE LESS THAN A TOTAL SIX MONTHS. ANY DEVIATION FROM THIS REQUIREMENT SHALL REQUIRE A WATER USE PERMIT. THE COST OF A WATER USE PERMIT AND ASSOCIATED MATERIAL SHALL BE BORNE BY THE CONTRACTOR.

ALL SILTATION AND EROSION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED AT A MINIMUM OF ONCE PER WEEK OR AFTER ANY 1/2" OR GREATER RAINFALL EVENT. THE CONTRACTOR SHALL MAINTAIN RECORDS OF ALL MAINTENANCE AND INSPECTIONS UNTIL CONSTRUCTION IS COMPLETE.

LAY SOD AROUND ALL INLETS, MITERED END WALLS HEADWALLS, SWALES, POND SLOPES, AND A THREE FOOT (3') WIDE STRIP ADJACENT TO EDGE OF PAVEMENT OR AS DIRECTED BY THE ENGINEER AS SOON AS PRACTICAL TO PREVENT EROSION. ALL DISTURBED AREAS TO BE SODDED OR SEEDDED AS SOON AS PRACTICAL TO PREVENT EROSION.

THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE REQUIREMENTS AND CONDITIONS OF SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (S.W.F.W.M.D.) PERMIT AND HAVE A COPY ON SITE.

SILTATION ACCUMULATIONS GREATER THAN THE LESSER OF 12 INCHES OR ONE-HALF OF THE DEPTH OF THE SILTATION CONTROL BARRIER SHALL BE IMMEDIATELY REMOVED AND PLACED IN UPLAND AREAS.

CONTRACTOR SHALL SPRINKLE OR OTHERWISE APPLY WATER TO AFFECTED AREAS TO CONTROL BOTH SIGNIFICANT WIND EROSION AND FUGITIVE DUST.

THE CONTRACTOR SHALL DIRECT ONSITE RUNOFF TO THE STORMWATER SYSTEM DURING CONSTRUCTION.

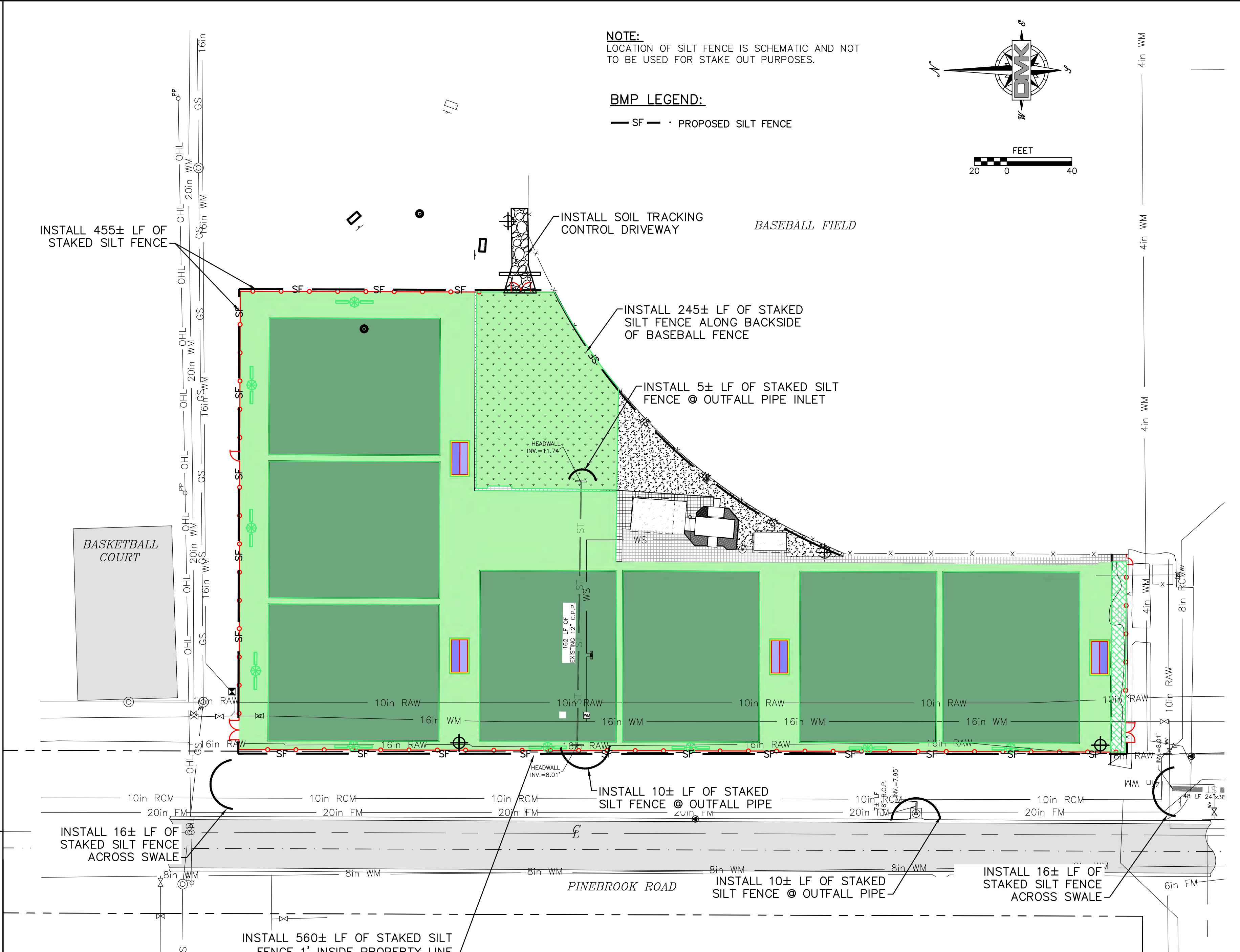
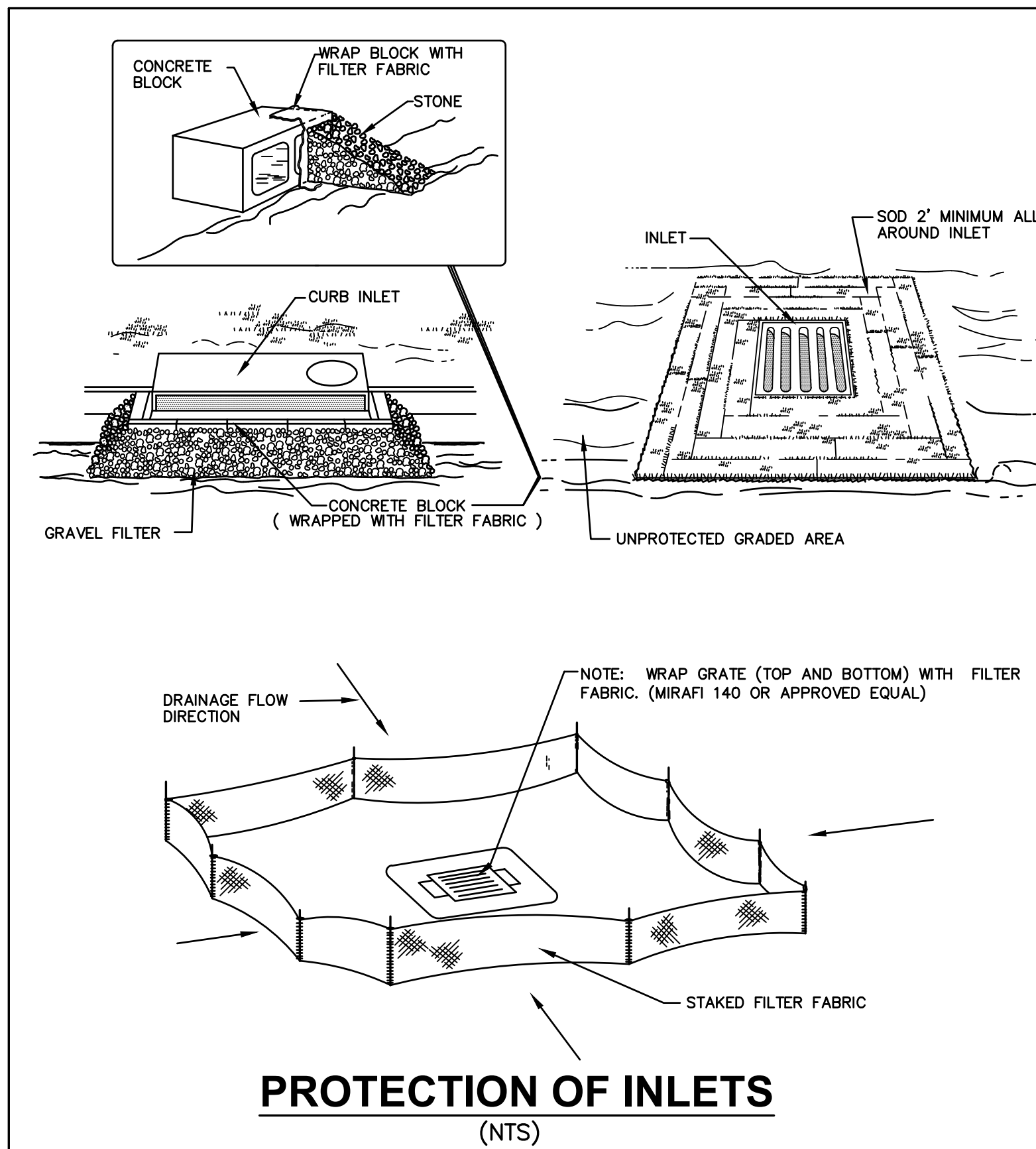
THE CONTRACTOR SHALL EMPLOY EROSION/SEDIMENT PREVENTION MEASURES, AS STATED WITHIN THE "BEST MANAGEMENT PRACTICES SPECIFICATIONS AND DETAILS". FOR THE DURATION OF CONSTRUCTION.

ALL DISTURBED AREAS SHALL BE SODDED AS SOON AS PRACTICAL TO PREVENT EROSION.

SODDING IS TO BE MAINTAINED, INCLUDING SLOPES, UNTIL COMPLETION AND ACCEPTANCE OF TOTAL PROJECT OR GROWTH IS ESTABLISHED, WHICHEVER COMES LAST. UNTIL THEN, ALL EROSION, SILTATION, AND MAINTENANCE OF GRADES AND GRASS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

ALL PROVISIONS FOR EROSION CONTROL SHALL BE ADHERED TO.

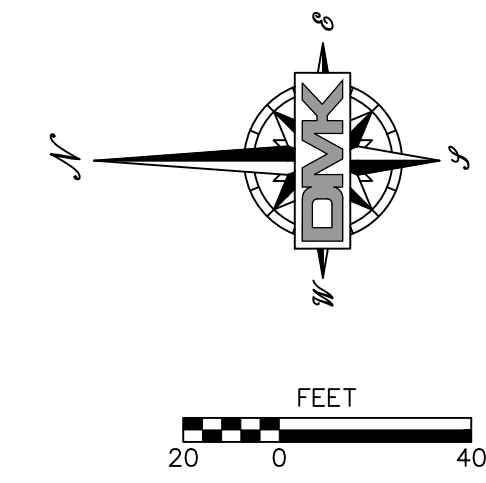
THE CONTRACTOR SHALL ADJUST OR MODIFY ALL UTILITY COVERS AS REQUIRED BY CONSTRUCTION DEPICTED WITHIN THESE PLANS. THESE SHALL INCLUDE, BUT NOT BE LIMITED TO MANHOLE RIMS, HAND HOLES, VALVE BOXES, CT. UTILITY COVERS SHALL BE FLUSH WITH THE FINISHED PAVEMENT GRADE.



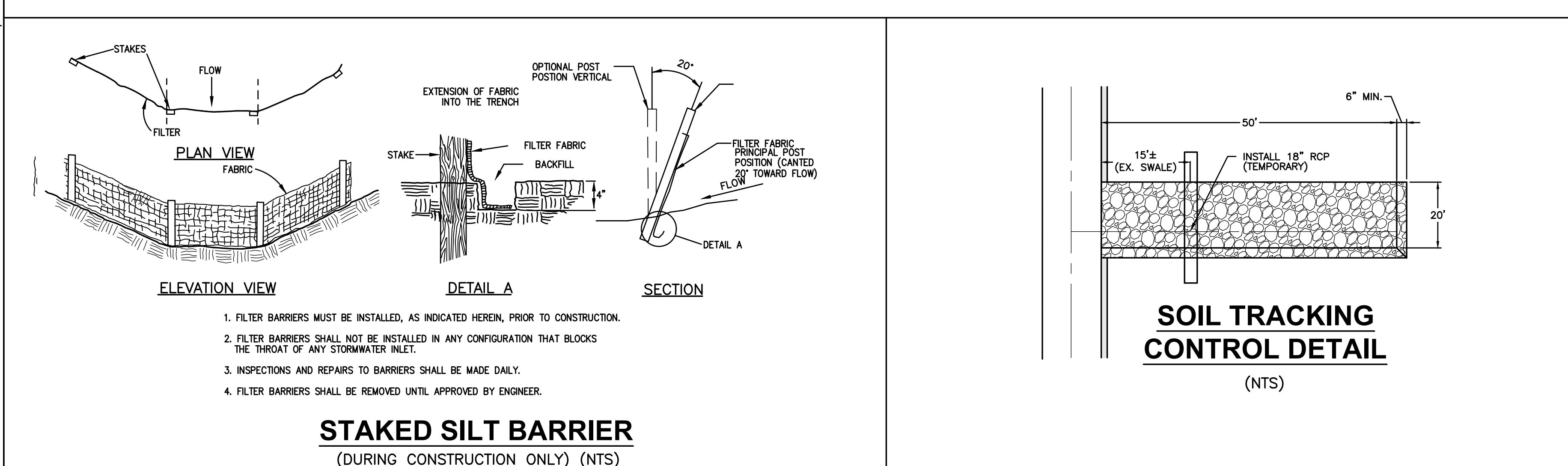
NOTE:
LOCATION OF SILT FENCE IS SCHEMATIC AND NOT TO BE USED FOR STAKE OUT PURPOSES.

BMP LEGEND:

— SF — PROPOSED SILT FENCE



BEST MANAGEMENT PRACTICE PLAN



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DATE	REVISION	BY

DMK ASSOCIATES
ENGINEERS ■ SURVEYORS
421 Commercial Court, Suite C Venice, Florida 34292
Phone (941)412-1293, Fax (941)412-1043
Certificate of Authorization No. 3943

DATE	01/25/22	CKD BY	DATE
DRAWN	RMS	JRR	01/17/23
DESIGN	RMS	JRR	01/17/23
SCALE	@ 24"x36"	DMK NO.	22-0016

SARASOTA COUNTY CROQUET CLUB, INC.
1400 LUCAYA AVENUE
VENICE, FL. 34285

WELLFIELD PARK - CROQUET COURT EXPANSION PROJECT
BEST MANAGEMENT PRACTICES NOTES, DETAIL & PLAN

ENGINEER OF RECORD
JEFFREY R. RAYKOS, P.E.
STATE OF FLORIDA NO. 88349

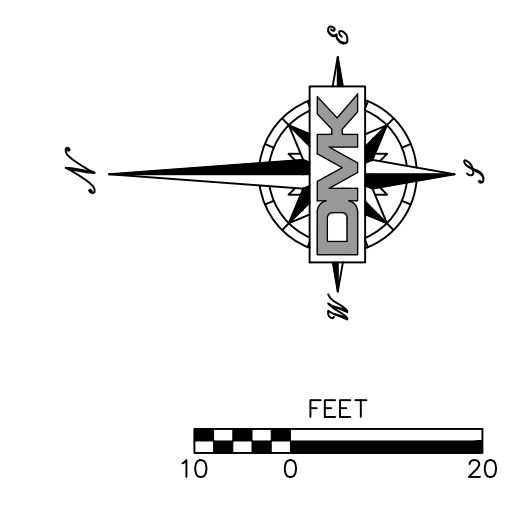
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SHEET No.



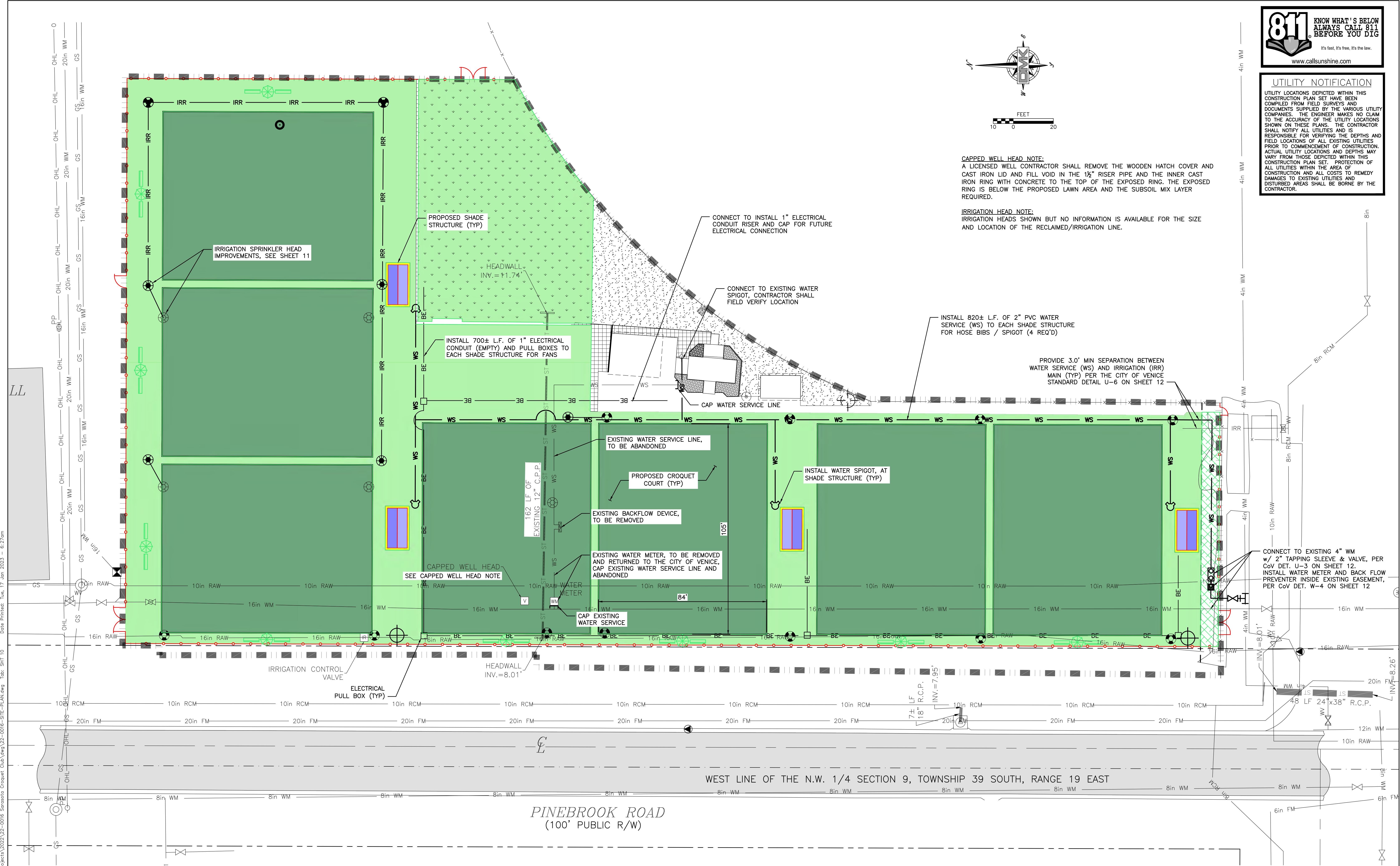
UTILITY NOTIFICATION

UTILITY LOCATIONS DEPICTED WITHIN THIS CONSTRUCTION PLAN SET HAVE BEEN COMPILED FROM FIELD SURVEYS AND DOCUMENTS SUPPLIED BY THE VARIOUS UTILITY COMPANIES. THE ENGINEER MAKES NO CLAIM TO THE ACCURACY OF THE UTILITY LOCATIONS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL NOTIFY ALL UTILITIES AND IS RESPONSIBLE FOR VERIFYING THE DEPTHS AND FIELD LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. ACTUAL UTILITY LOCATIONS AND DEPTHS MAY VARY FROM THOSE DEPICTED WITHIN THIS CONSTRUCTION PLAN SET. PROTECTION OF ALL UTILITIES WITHIN THE AREA OF CONSTRUCTION AND ALL COSTS TO REMEDY DAMAGES TO EXISTING UTILITIES AND DISTURBED AREAS SHALL BE BORNE BY THE CONTRACTOR.



CAPPED WELL HEAD NOTE:
 A LICENSED WELL CONTRACTOR SHALL REMOVE THE WOODEN HATCH COVER AND CAST IRON LID AND FILL VOID IN THE 1 1/2" RISER PIPE AND THE INNER CAST IRON RING WITH CONCRETE TO THE TOP OF THE EXPOSED RING. THE EXPOSED RING IS BELOW THE PROPOSED LAWN AREA AND THE SUBSOIL MIX LAYER REQUIRED.

IRRIGATION HEAD NOTE:
 IRRIGATION HEADS SHOWN BUT NO INFORMATION IS AVAILABLE FOR THE SIZE AND LOCATION OF THE RECLAIMED/IRRIGATION LINE.



WEST LINE OF THE N.W. 1/4 SECTION 9, TOWNSHIP 39 SOUTH, RANGE 19 EAST

PINEBROOK ROAD
 (100' PUBLIC R/W)

DATE	REVISION	BY



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SARASOTA COUNTY
 CROQUET CLUB, INC.
 1400 LUCAYA AVENUE
 VENICE, FL. 34285

WELLFIELD PARK - CROQUET COURT EXPANSION PROJECT
PROPOSED UTILITY IMPROVEMENT PLAN

ENGINEER OF RECORD
 JEFFREY R. RAYKOS, P.E.
 STATE OF FLORIDA NO. 88349

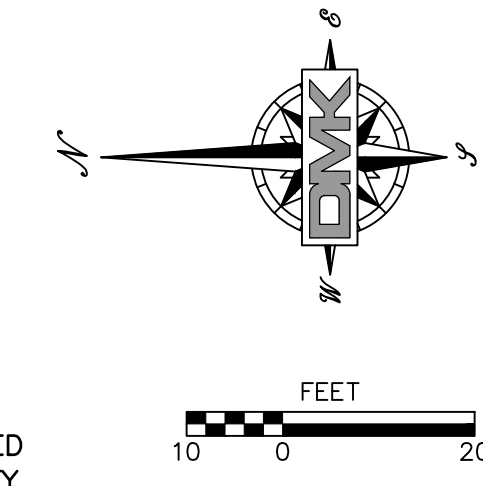
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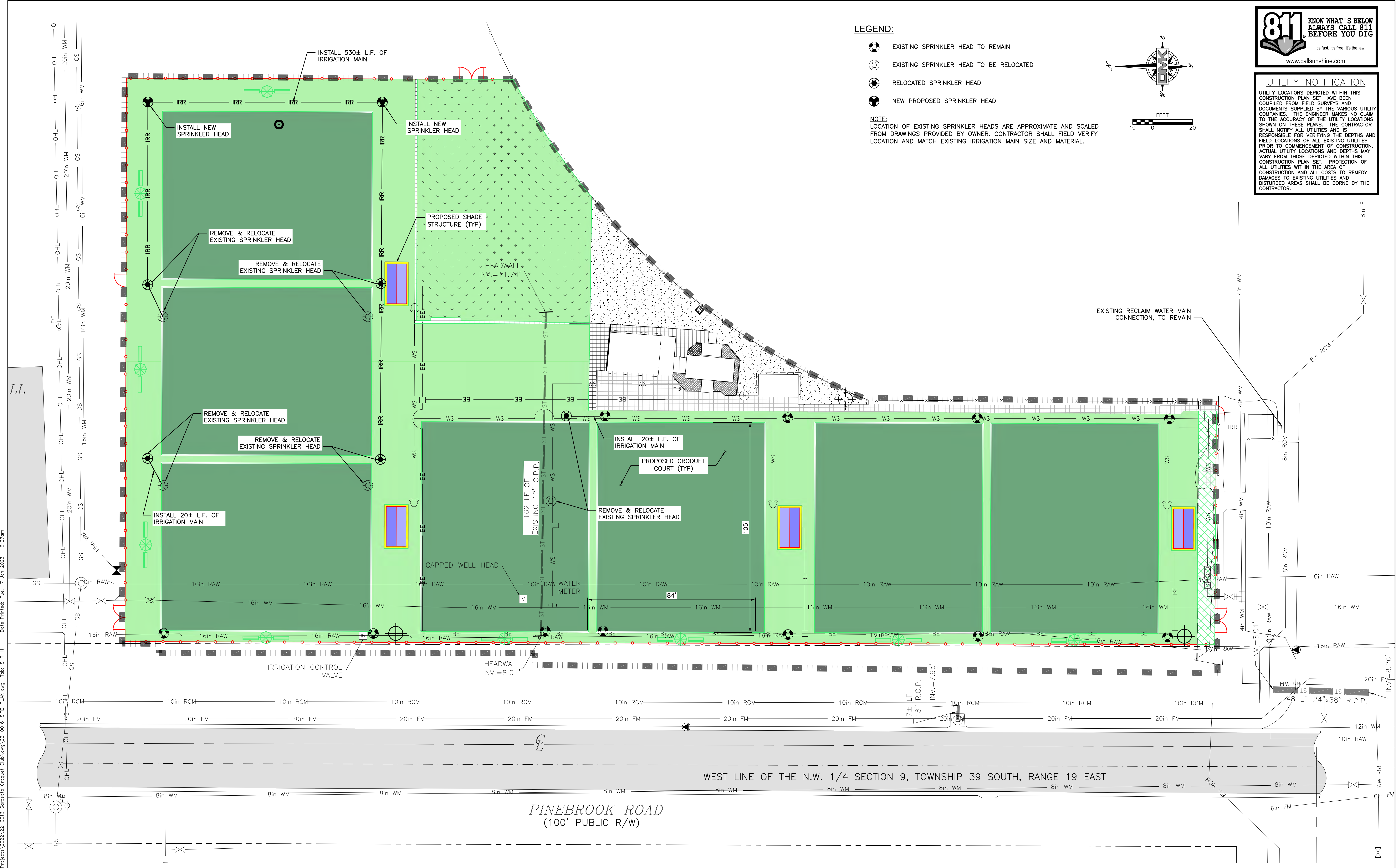
UTILITY NOTIFICATION

UTILITY LOCATIONS DEPICTED WITHIN THIS CONSTRUCTION PLAN SET HAVE BEEN COMPILED FROM FIELD SURVEYS AND DOCUMENTS SUPPLIED BY THE VARIOUS UTILITY COMPANIES. THE ENGINEER MAKES NO CLAIM TO THE ACCURACY OF THE UTILITY LOCATIONS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL NOTIFY ALL UTILITIES AND IS RESPONSIBLE FOR VERIFYING THE DEPTHS AND FIELD LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. ACTUAL UTILITY LOCATIONS AND DEPTHS MAY VARY FROM THOSE DEPICTED WITHIN THIS CONSTRUCTION PLAN SET. PROTECTION OF ALL UTILITIES WITHIN THE AREA OF CONSTRUCTION AND ALL COSTS TO REMEDY DAMAGES TO EXISTING UTILITIES AND DISTURBED AREAS SHALL BE BORNE BY THE CONTRACTOR.



- LEGEND:**
- EXISTING SPRINKLER HEAD TO REMAIN
 - EXISTING SPRINKLER HEAD TO BE RELOCATED
 - RELOCATED SPRINKLER HEAD
 - NEW PROPOSED SPRINKLER HEAD

NOTE:
LOCATION OF EXISTING SPRINKLER HEADS ARE APPROXIMATE AND SCALED FROM DRAWINGS PROVIDED BY OWNER. CONTRACTOR SHALL FIELD VERIFY LOCATION AND MATCH EXISTING IRRIGATION MAIN SIZE AND MATERIAL.



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DATE	REVISION	BY



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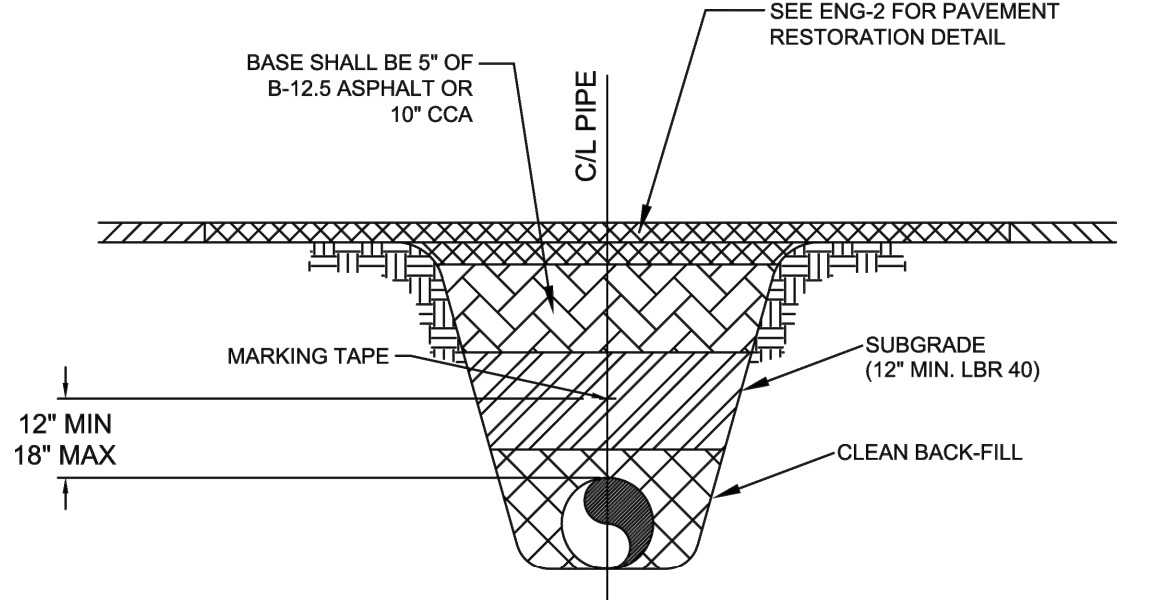
DATE	CKD. BY	DATE
01/25/22	JRR	01/17/23
DESIGN	RMS	JRR
SCALE @ 24"x36"	DMK NO.	22-0016

SARASOTA COUNTY CROQUET CLUB, INC.
1400 LUCAYA AVENUE
VENICE, FL. 34285

WELLFIELD PARK - CROQUET COURT EXPANSION PROJECT
PROPOSED IRRIGATION IMPROVEMENT PLAN

ENGINEER OF RECORD
JEFFREY R. RAYKOS, P.E.
STATE OF FLORIDA NO. 88349

11



SEE ENG-2 FOR PAVEMENT RESTORATION DETAIL

BASE SHALL BE 5" OF B-12.5 ASPHALT OR 10" CCA

C/I PIPE

MARKING TAPE

SUBGRADE (12" MIN. LBR 40)


CLEAN BACK-FILL

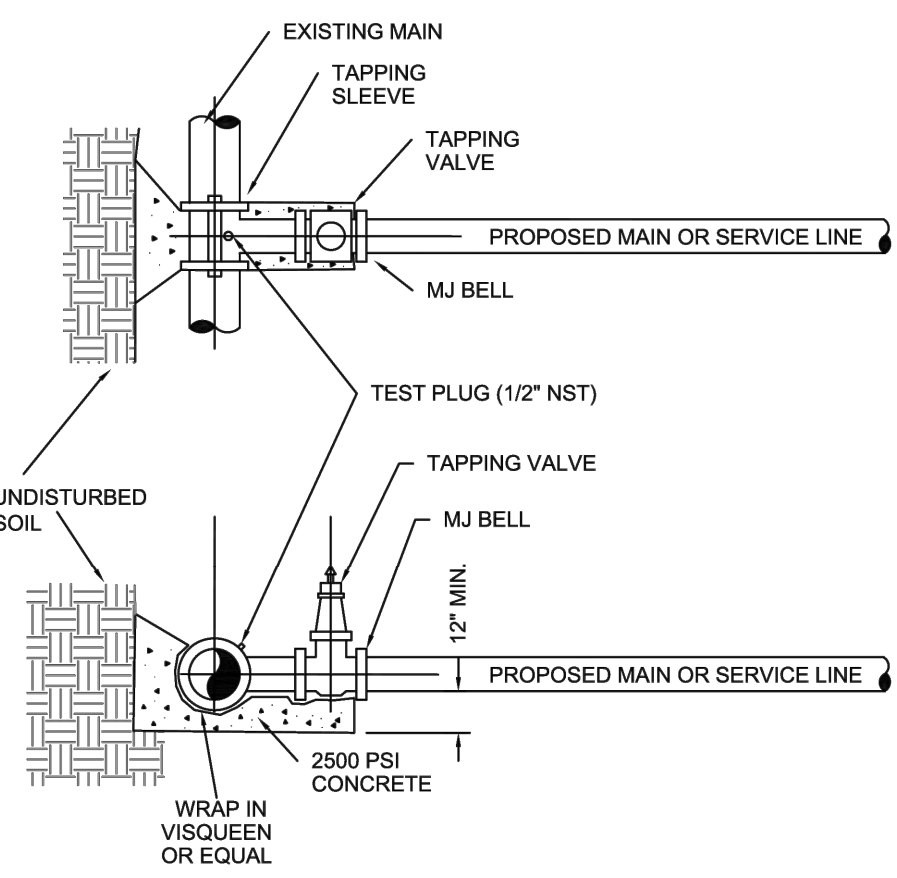
12" MIN
18" MAX

MARKING TAPE AND MESSAGES		
PIPE	TAPE COLOR	MESSAGE
PVC STORM WATER	WHITE	CAUTION STORM WATER OR STORM DRAIN BELOW
POTABLE WATER MAIN	BLUE	CAUTION POTABLE WATER MAIN BELOW
REUSE WATER MAIN	PURPLE	CAUTION REUSE WATER MAIN BELOW
SEWER FORCE MAIN	GREEN	CAUTION SEWER FORCE MAIN BELOW
SEWER & SERVICE LATERALS	GREEN	CAUTION SEWER MAIN BELOW

- COPPERHEAD TRACING WIRE #12 AWG OR EQUAL SHALL BE ATTACHED TO TOP OF PIPE AT 20' INTERVALS ON ALL RECLAIMED WATER, FORCE, OR POTABLE WATER MAINS. IT SHALL BE COLOR CODED TO REFLECT WHAT THE PIPE CARRIES. (BLUE = WATER, GREEN = SEWER, PURPLE = REUSE)
- MINIMUM COVER SHALL BE 36" FROM TOP OF PIPE TO FINISHED GRADE. MAXIMUM COVER SHALL BE 42" FROM FINISHED GRADE UNLESS OTHERWISE APPROVED.
- MAINS SHALL BE INSTALLED LEVEL AND ELIMINATE HIGH POINTS UNLESS OTHERWISE APPROVED BY UTILITIES DIRECTOR.
- INSTALLATION OF PIPE SHALL BE IN CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- PAVEMENT RESTORATION SHALL CONFORM WITH DETAIL ENG-2 OF THESE CITY STANDARDS. FOR NEW CONSTRUCTION, THE FIRST LIFT OF ASPHALT SHALL BE IN PLACE PRIOR TO RECORD DRAWING REVIEW.
- CONFLICTS - UTILIZE 45° BENDS WITH SEPARATION AS PER CITY DETAILS.
- ALL UTILITIES (PUBLIC & PRIVATE) THAT CROSS A DITCH/SWALE SHALL BE 36" MIN. BELOW THE ACTUAL/DESIGN BOTTOM OF CONVEYANCE.
- MARKING TAPE SHALL BE 3" WIDE (MIN.) DETECTIBLE UNDERGROUND WARNING TAPE. INSTALL CENTERED DIRECTLY OVER THE PIPE.
- SEE S-6 FOR GRAVITY SEWER PIPE TRENCH DETAIL.

PRESSURE PIPE TRENCH DETAIL
N.T.S.

 CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE, FL 34285 (941) 486-2626 FAX (941) 480-3031	UTILITIES - GENERAL	DATE JAN 2022
	UTILITY PIPE TRENCH	SHEET NO. U-1



EXISTING MAIN

TAPPING SLEEVE

TAPPING VALVE

MJ BELL

PROPOSED MAIN OR SERVICE LINE

TEST PLUG (1/2" NST)

UNDISTURBED SOIL

TAPPING VALVE

MJ BELL

12" MIN


PROPOSED MAIN OR SERVICE LINE

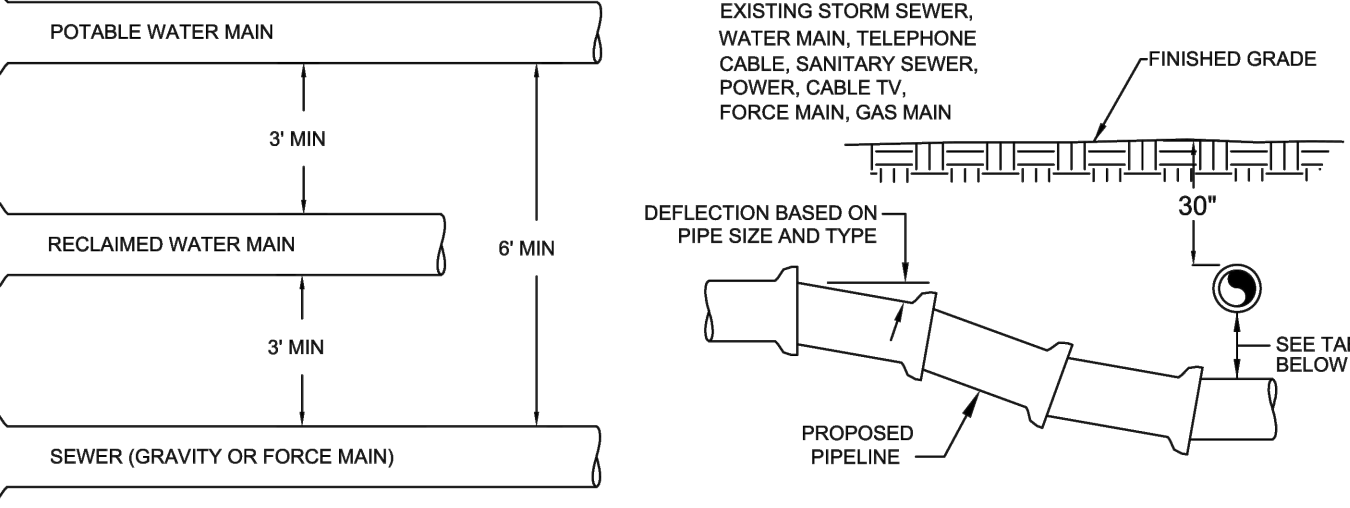
WRAP IN VISQUEEN OR EQUAL

2500 PSI CONCRETE

- EXISTING MAIN SHALL NOT BE TAPPED UNTIL THE ASSEMBLED SLEEVE AND VALVE ARE TESTED IN PLACE AT A MINIMUM OF 150 PSI FOR THIRTY MINUTES.
- UPON SUCCESSFUL TAPPING SLEEVE PRESSURE TEST (NOTE 1), THE THRUST BLOCK SHALL BE POURED AND HAVE SET FOR 24 HRS PRIOR TO TAPPING. READY-MADE THRUST BLOCKS CAN BE USED WITH CITY APPROVAL.
- STAINLESS STEEL SHALL BE FORD. ALL HARDWARE SHALL BE 316 STAINLESS STEEL. GASKETS SHALL BE VIRGIN SBR COMPOUND.
- GATE VALVES SHALL BE RESILIENT WEDGE-TYPE MANUFACTURED BY MUELLER OR AMERICAN VALVE. ALL GATE VALVES SHALL BE FUSION BONDED EPOXY COATED (INTERIOR AND EXTERIOR) MEET ANSIAWWA C550, AND BE NSF61 CERTIFIED.
- TAPPING SLEEVES MAY ONLY BE USED WHEN THE TAP DIAMETER IS AT LEAST ONE PIPE SIZE SMALLER THAN THE DIAMETER OF THE MAIN BEING TAPPED. TRANSMISSION MAINS SHALL NOT BE TAPPED WITH A TAP LESS THAN 4" IN DIAMETER.
- TAPPING/SERVICE SADDLES MAY BE USED FOR TAPS UP TO AND INCLUDING 2" DIAMETER.
- ALL TAPS SHALL BE WHOLE NUMBER NOMINAL SIZES, INCLUDING 1", 2", 4", ETC.
- VALVE BOX ALIGNMENT DEVICE SHALL BE INSTALLED IN ACCORDANCE WITH W-1 ON ALL VALVES ABOVE 1".

TAPPING SLEEVE & VALVE DETAIL
N.T.S.

 CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE, FL 34285 (941) 486-2626 FAX (941) 480-3031	UTILITIES - GENERAL	DATE JAN 2022
	TAPPING SLEEVE & VALVE	SHEET NO. U-3



POTABLE WATER MAIN

3' MIN

RECLAIMED WATER MAIN

6' MIN

3' MIN

SEWER (GRAVITY OR FORCE MAIN)

EXISTING STORM SEWER, WATER MAIN, TELEPHONE CABLE, SANITARY SEWER, POWER, CABLE TV, FORCE MAIN, GAS MAIN

FINISHED GRADE

DEFLECTION BASED ON PIPE SIZE AND TYPE

30"

SEE TABLE BELOW

PROPOSED PIPELINE

MINIMUM HORIZONTAL SEPARATION DISTANCES (FT)
(OUTSIDE OF PIPELINE TO OUTSIDE OF PIPELINE)


	WATER MAIN	FORCE MAIN	SANITARY SEWER	REUSE MAIN	STORM WATER	OTHER UTILITIES (TELEPHONE, CABLE, ETC.)
WATER MAIN	3	6	6	3	3	3
FORCE MAIN	6	3	3	3	3	3
SANITARY SEWER	6	3	3	3	3	3
REUSE MAIN	3	3	3	3	3	3
STORM WATER	3	3	3	3	3	3
OTHER UTILITIES	3	3	3	3	3	3

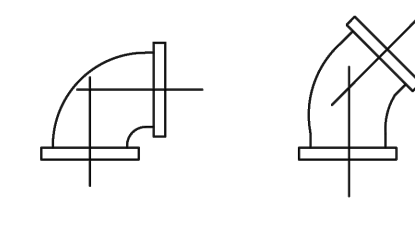
MINIMUM VERTICAL SEPARATION DISTANCES (IN)
(OUTSIDE OF PIPELINE TO OUTSIDE OF PIPELINE)

	WATER MAIN	FORCE MAIN	SANITARY SEWER	REUSE MAIN	STORM WATER	OTHER UTILITIES (TELEPHONE, CABLE, ETC.)
WATER MAIN	6	12	12	6	6	6
FORCE MAIN	12	6	6	6	6	6
SANITARY SEWER	12	6	6	6	6	6
REUSE MAIN	6	6	6	6	6	6
STORM WATER	6	6	6	6	6	6
OTHER UTILITIES	6	6	6	6	6	6

- MAXIMUM JOINT DEFLECTION SHALL BE 90% OF MANUFACTURER'S RECOMMENDATION.
- WHENEVER POSSIBLE, THE LAYOUT OF UTILITIES SHALL PLACE SANITARY SEWER AND SEWER FORCE MAINS BELOW RECLAIMED MAINS AND BELOW WATER MAINS, RESPECTIVELY. WHERE WATER MAINS ARE ABOVE GRAVITY SEWERS OR WASTEWATER FORCE MAINS, A VERTICAL CLEARANCE OF 8 INCHES IS ACCEPTABLE. STORM SHALL BE PLACED BELOW BOTH WATER AND SEWER WHERE POSSIBLE.
- ACCEPTABLE VARIANCES
 - WHERE HORIZONTAL SEPARATION CANNOT BE MAINTAINED, C900 DR14 PVC PIPE SHALL BE USED FOR ONE OF THE PIPELINES.
 - WHERE VERTICAL CLEARANCE CANNOT BE MAINTAINED, ONE FULL LENGTH OF DR14 C900 PIPE SHALL BE INSTALLED CENTERED AT THE POINT OF CROSSING.
 - WHERE 36" MINIMUM DEPTH OF COVER CANNOT BE MAINTAINED, SPECIAL PROTECTION OR PIPE MATERIAL UPGRADE MAY BE REQUIRED, AT THE DISCRETION OF THE UTILITY DEPARTMENT.
- NO UTILITY PIPE SHALL PASS THROUGH, OR COME IN CONTACT WITH ANY PART OF A SANITARY MANHOLE OR STORMWATER STRUCTURE WITHOUT APPROVAL FROM THE UTILITIES DIRECTOR OR CITY ENGINEER.

UTILITY CONFLICT & SEPARATION DETAIL
N.T.S.

 CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE, FL 34285 (941) 486-2626 FAX (941) 480-3031	UTILITIES - GENERAL	DATE JAN 2022
	UTILITY CONFLICTS & SEPARATIONS	SHEET NO. U-5




- ALL PIPE FITTINGS SHALL BE COMPACT, DUCTILE IRON.
- ALL APPLICATIONS (RAW, POTABLE, REUSE, SEWER) SHALL BE FUSION BONDED EPOXY COATED INSIDE AND OUT.
- ALL FITTINGS SHALL MEET ANSIAWWA C116/A21.16 STANDARDS.
- ALL HARDWARE SHALL BE 316 SS.
- ALL FITTINGS FOR SANITARY SEWER SHALL BE HEAVY WALL SDR 26 PVC.

PIPE FITTINGS
N.T.S.

SERVICE	COLOR	MATERIAL/CLASS
POTABLE WATER MAIN	BLUE	AWWA C900 PVC / DR 18 FUSIBLE C900 PVC / DR 18 CERT-A-LOK C900 PVC / DR 18
RAW WATER MAIN	WHITE	
REUSE MAIN	PURPLE	HDPE PPI PE 4710 / DR 11 / DIPS (WITH UTILITIES DEPARTMENT APPROVAL)
FORCE MAIN (MIN. 4" DIAMETER)	GREEN	
WATER SERVICE	BLUE	PE (POLYTUBING) / DR 9
REUSE SERVICE	PURPLE	PE (POLYTUBING) / DR 9
GRAVITY SEWER MAIN (MIN. 8" DIAMETER)	GREEN	ASTMD3034 / SDR 26
SEWER LATERAL (MIN. 6" DIAMETER)	GREEN	ASTMD3034 / SDR 26

PIPE MATERIAL SCHEDULE
N.T.S.

 CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE, FL 34285 (941) 486-2626 FAX (941) 480-3031	UTILITIES - GENERAL	DATE JAN 2022
	PIPE FITTINGS & MATERIAL	SHEET NO. U-6

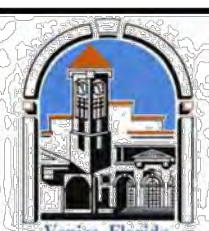
		MINIMUM LENGTH (FT) OF FORCE MAIN TO BE RESTRAINED ON EACH SIDE OF FITTING								
		PIPE SIZE (INCHES)								
FITTING		4	6	8	10	12	16	18	20	24
45 BEND:	H	6	9	12	14	16	21	23	25	29
	VU	4	6	7	9	10	13	15	16	19
	VD	12	20	26	32	37	48	53	28	68
22.5 BEND:	H	3	4	6	7	8	10	11	12	14
	VU	2	3	4	4	5	6	7	8	9
	VD	7	10	13	15	18	23	26	28	33
11.25 BEND:	H	2	2	3	3	4	5	5	6	7

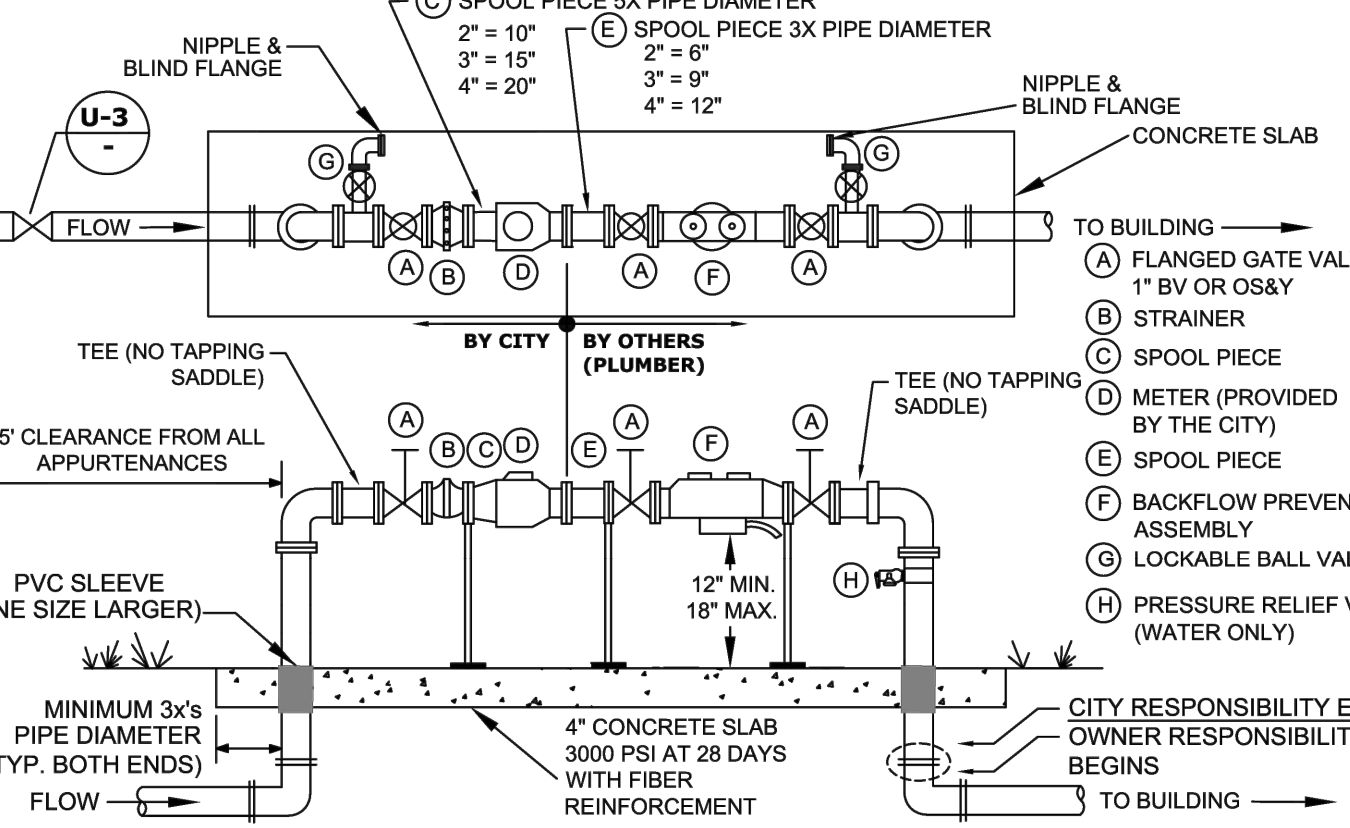
		MINIMUM LENGTH (FT) OF WATER OR REUSE MAIN TO BE RESTRAINED ON EACH SIDE OF FITTING								
		PIPE SIZE (INCHES)								
FITTING		4	6	8	10	12	16	18	20	24
90 BEND:	H	23	33	43	51	60	76	83	90	104
	VU	6	8	11	13	16	20	22	24	28
	VD	22	30	40	48	56	72	80	87	102
45 BEND:	H	10	14	18	21	25	31	34	37	43
	VU	3	4	5	6	7	10	11	12	14
	VD	10	15	19	23	27	35	38	42	49
11.25 BEND:	H	2	3	4	5	6	7	8	9	10

		VALVES/PLUGS								
		52	73	96	115	136	174	193	211	246
ABBREVIATIONS: H=HORIZONTAL, VU=VERTICAL UP, VD=VERTICAL DOWN.										

- FOR TEE OR REDUCER FITTINGS SUBMIT RESTRAINED JOINT LENGTH CALCULATIONS TO CITY ENGINEER FOR REVIEW AND APPROVAL USING THE ASSUMPTIONS LISTED ABOVE.
- RESTRAINED JOINT LENGTH FOR WATER AND REUSE MAINS BASED ON TEST PRESSURE OF 150 PSI. RESTRAINED JOINT LENGTH FOR FORCE (SEWER) MAINS BASED ON TEST PRESSURE OF 100 PSI. CALCULATIONS WERE MADE USING EBAA IRON SOFTWARE (AVAILABLE AT WWW.EBAA.COM) AND THE FOLLOWING ASSUMPTIONS: GRANULAR MATERIAL (GM) SOIL TYPE, TRENCH TYPE 3, BURY DEPTH OF 3 FT, AND SAFETY FACTOR OF 2 TO 1. IF FIELD CONDITIONS DIFFER FROM ABOVE ASSUMPTIONS EOR SHALL PROVIDE CALCULATIONS BASED ON ACTUAL CONDITIONS.
- RESTRAINED JOINT SHALL BE USED ON ALL JOINTS FROM ANY MAIN TEE TO ANY FIRE HYDRANT ASSEMBLY.
- THRUST BLOCKS WILL NOT BE ACCEPTED, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
- ALL HARDWARE SHALL BE 316 SS.

PRESSURE MAIN RESTRAINED JOINT TABLE
N.T.S.

 CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE, FL 34285 (941) 486-2626 FAX (941) 480-3031	UTILITIES - GENERAL	DATE JAN 2022
	RESTRAINED JOINT TABLE	SHEET NO. U-7



POOR PIECE 5X PIPE DIAMETER

2" = 10"

3" = 15"

4" = 20"

POOR PIECE 3X PIPE DIAMETER

2" = 6"

3" = 9"

4" = 12"

NIPPLE & BLIND FLANGE

CONCRETE SLAB

BY CITY

BY OTHERS (PLUMBER)

TEE (NO TAPPING SADDLE)

5' CLEARANCE FROM ALL APPURTENANCES

PVC SLEEVE (ONE SIZE LARGER)

MINIMUM 3x's PIPE DIAMETER (TYP. BOTH ENDS)

4" CONCRETE SLAB 3000 PSI AT 28 DAYS WITH FIBER REINFORCEMENT

12" MIN. 18" MAX.

CITY RESPONSIBILITY ENDS

OWNER RESPONSIBILITY BEGINS

TO BUILDING

TO BUILDING

(A) FLANGED GATE VALVE 1" BY OR OS&Y

(B) STRAINER

(C) SPOOL PIECE

(D) METER (PROVIDED BY THE CITY)

(E) SPOOL PIECE

(F) BACKFLOW PREVENTION ASSEMBLY


(G) LOCKABLE BALL VALVE

(H) PRESSURE RELIEF VALVE (WATER ONLY)

- EITHER 90°-DEGREE OR 45°-DEGREE FITTINGS MAY BE USED WITH THE REQUIRED LENGTH OF RESTRAINED JOINT FITTINGS.
- BACKFLOW PREVENTION ASSEMBLY TYPE SHALL BE DETERMINED BY THE CITY OF VENICE UTILITIES DEPARTMENT'S MOST CURRENT CROSS-CONNECTION CONTROL PROGRAM MANUAL (CCM), AND SHALL BE INSTALLED IMMEDIATELY FOLLOWING THE METER. RP2 OR DOUBLE CHECK BFP SHALL BE INSTALLED ABOVE GROUND PER CCM TABLE 3.1
- ALL BACKFLOW PREVENTION ASSEMBLIES SHALL BE APPROVED BY THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH AND/OR ASSE 1013.
- ALL CONCRETE PIPE PENETRATIONS SHALL BE PROTECTED WITH A PVC SLEEVE, ONE SIZE LARGER THAN RISER PIPE.
- VALVES SHALL BE FULL PORTED FULL FLOW BALL VALVES OR RESILIENT WEDGE OS&Y GATE VALVES.
- THE BACKFLOW ASSEMBLY SHALL MATCH THE WATER METER SIZE.
- METERS 1-1/2" AND UP WILL HAVE FLANGES. LAY LENGTHS MUST BE VERIFIED PRIOR TO CONSTRUCTION OF ASSEMBLIES. NO SPOOL PIECE REQUIRED FOR 1 1/2".
- METERS 1-1/2" AND SMALLER REQUIRE A LOCKABLE CURB STOP.
- ALL COMMERCIAL AND MULTI FAMILY UNIT METERS MUST BE ABOVE GRADE. REUSE METERS 2" AND LESS MAY BE BELOW GROUND.
- BACKFLOW PREVENTION ASSEMBLY AND BYPASS ARE NOT REQUIRED FOR REUSE METER.
- BACKFLOW PREVENTION ASSEMBLIES SHALL ONLY BE BY-PASSED IF A TEMPORARY RP IS INSTALLED ON BY-PASS.
- NO BRANCH OR TEE SERVICE CONNECTIONS SHALL EXIST BETWEEN THE WATER METER AND BACKFLOW PREVENTER.
- THE ENGINEER OF RECORD SHALL SUBMIT METER SIZING CALCULATIONS BASED ON SERVICE DEMAND PER ANSIAWWA M-22 AND SUBJECT TO APPROVAL BY THE UTILITY DEPARTMENT.
- PARALLEL BACKFLOW ASSEMBLY MAY BE PERMITTED TO ALLOW FOR UNINTERRUPTED SERVICE AND SHALL PROVIDE THE SAME DEGREE OF PROTECTION OR GREATER.
- NO PVC SHALL BE PERMITTED ON THE CITY SIDE.

REUSE METER, WATER METER, & BACKFLOW PREVENTION ASSEMBLY
ABOVE GROUND METER, 2" & LARGER
N.T.S.

METER SIZE (IN.)	BY-PASS SIZE (IN.)
1 1/2"	1"
2"	1 1/2"
3"	2"
4"	3"

 CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE, FL 34285 (941) 486-2626 FAX (941) 480-3031	UTILITIES - WATER	DATE JAN 2022
	WATER & REUSE METER & BACKFLOW	SHEET NO. W-4

Drawing name: F:\Projects\2022\22-0016_Sarasota Croquet Club\Drawings\U-1.dwg Date Printed: Tue, 17 Jan 2023 6:27am

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ENGINEERS & SURVEYORS
421 Commercial Court, Suite C Venice, Florida 34292
Phone (941)412-1293, Fax (941)412-1043
Certificate of Authorization No. 3943

DATE	01/25/22	CKD. BY	DATE
DRAWN	RMS	JRR	01/17/23
DESIGN	RMS	JRR	01/17/23
SCALE	@ 24"x36"	DMK NO.	22-0016

SARASOTA COUNTY CROQUET CLUB, INC.
1400 LUCAYA AVENUE
VENICE, FL. 34285

WELLFIELD PARK - CROQUET COURT EXPANSION PROJECT
CITY OF VENICE STANDARD UTILITY DETAILS

ENGINEER OF RECORD
JEFFREY R. RAYKOS, P.E.
STATE OF FLORIDA NO. 88349