VILLAGE OF TEQUESTA
PALM BEACH COUNTY, FLORIDA
TEQUESTA PARK
LIFT STATION IMPROVEMENTS

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Sunshine State One Call of Florida, Inc.

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

MAY, 2015

PROJECT TEAM

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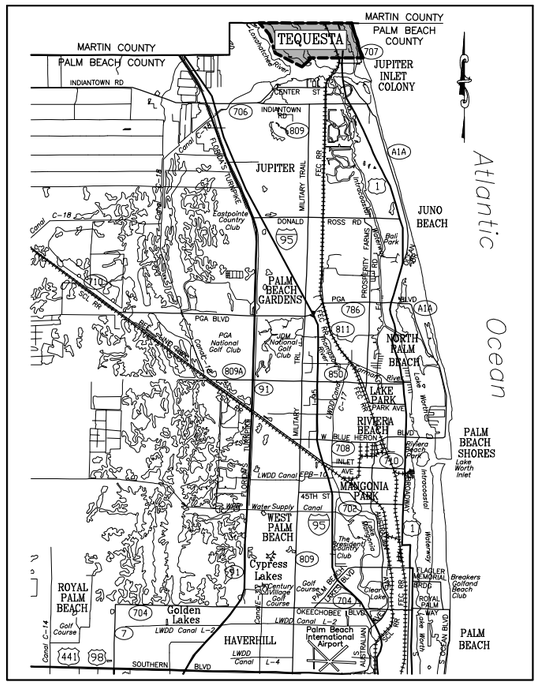
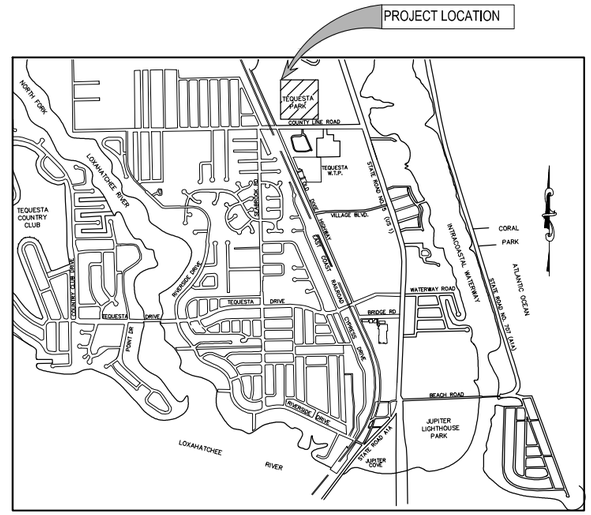
INDEX OF SHEETS



AREA MAP



LOCATION MAP

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REVISIONS			
NO.	BY	DATE	REMARKS

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VILLAGE OF TEQUESTA
TEQUESTA PARK
LIFT STATION IMPROVEMENTS

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SHEET TITLE			DRAWN BY
COVER SHEET			R. ADAMS
		PROJECT NUMBER	DRAWING NUMBER
		WF900278	1 Of 11

GENERAL NOTES:

1. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONTRACT DOCUMENTS, INCLUDING PLANS, SPECIFICATIONS AND COPIES OF ALL REQUIRED CONSTRUCTION PERMITS.

2. THE CONTRACTOR SHALL CONTACT ALL CONCERNED UTILITIES AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION OPERATIONS.

3. THE LOCATION AND SIZE OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND SIZE OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHOD AND BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH THE PROPOSED IMPROVEMENTS SHALL BE RESOLVED BY THE ENGINEER AND THE VILLAGE PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE HIS COMPLETE FAMILIARITY WITH THE PROJECT SITE AND COMPONENTS TO INCLUDE SUBSURFACE CONDITIONS OF SOIL AND GROUNDWATER TABLE. BY SUBMITTAL OF BID FOR THIS PROJECT, THE CONTRACTOR ACKNOWLEDGES HIS COMPLETE UNDERSTANDING AND RESPONSIBILITIES WITH RESPECT TO THE CONSTRUCTION ACTIVITIES REQUIRED UNDER THE SCOPE OF THIS PROJECT.

5. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND RESTORATION (IF DAMAGED) OF ALL EXISTING STRUCTURES WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT, INCLUDING BUT NOT LIMITED TO WALLS, FENCES, POWER POLES, MAIL BOXES, DRAINAGE STRUCTURES, LANDSCAPING ETC.

6. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING, 48 HOURS BEFORE DIGGING.
   - A.) FLORIDA POWER & LIGHT
   - B.) AT&T
   - C.) COMCAST CABLE TV
   - D.) SUNSHINE STATE ONE CALL OF FLORIDA, INC.
   - E.) VILLAGE OF TEQUESTA (VOT)
   - F.) LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT (LRD)

7. LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT (LRD) AND VILLAGE OF TEQUESTA WRITTEN SPECIFICATIONS AND STANDARD DETAILS (LATEST EDITION) ARE TO BE CONSIDERED PART OF THIS PROJECT AND CONSTRUCTION SHALL BE ENFORCED TO AT LEAST THESE MINIMUM STANDARDS.

8. ALL PRESSURE MAINS DENOTED AS PVC, PIPE SIZES 4" (INCH) THRU 12" (INCH) DIAMETER SHALL CONFORM TO AWWA C900 WITH SDR OF 18. ALL GRAVITY MAIN PIPE SIZES 4" (INCH) THRU 12" (INCH) DIAMETER SHALL BE SDR 26, PVC.

9. ALL MAINS DENOTED AS DIP SHALL BE PRESSURE CLASS 350 WITH FITTINGS HAVING A MINIMUM WORKING PRESSURE OF 250 PSI. THE PIPE AND FITTING EXTERIOR SHALL BE COATED WITH BITUMINOUS COATING (APPROXIMATELY ONE MIL. THICK) UNLESS OTHERWISE NOTED. THE INTERIOR OF ALL DIP PIPE AND FITTINGS SHALL HAVE A INTERNAL CEMENT MORTAR LINING WITH A MINIMUM THICKNESS IN ACCORDANCE WITH AWWA C104.

10. ALL MAINS DENOTED AS HDPE, SHALL CONFORM TO AWWA C-906 WITH SDR OF 11.

11. NO CONCRETE THRUST BLOCKS WILL BE ALLOWED. ALL JOINTS SHALL BE MECHANICALLY RESTRAINED

12. ALL REPLACED SIDEWALKS SHALL HAVE CONTROL JOINTS EVERY 8 FEET AND TWO AT THE CORNERS.

13. WHERE PROPOSED WORK CONNECTS TO EXISTING PIPING, THE CONTRACTOR SHALL EXPOSE EXISTING PIPING AND CONFIRM LOCATION, ELEVATION, DIAMETER AND MATERIAL PRIOR TO ORDERING MATERIALS TO FACILITATE CONNECTION.

14. CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THERE ARE CONSIDERABLE PIPELINE, VALVES, ELECTRIC CONDUIT AND OTHER STRUCTURES IN THE IMMEDIATE CONSTRUCTION AREAS OF THE PROPOSED LINES AND STRUCTURES. CONTRACTOR SHALL DIVERT ALL EXISTING PIPING AROUND PROPOSED LINE AND STRUCTURES AS REQUIRED AND SUPPLY/INSTALL NECESSARY FITTINGS/PIPING. HAND DIGGING MAY BE REQUIRED. NOT ALL OF EXISTING PIPING/ELECTRICAL IS SHOWN. THE CONTRACTOR SHALL EXPOSE EXISTING PIPING AND CONFIRM LOCATION, ELEVATION AND MATERIAL PRIOR TO ORDERING CONNECTING MATERIAL.

15. THE TYPE, SIZE AND MATERIAL OF THE PIPING SYSTEM IS INDICATED ON THE DRAWINGS. WHERE PIPING SYSTEMS OF DIFFERING SIZE, MATERIAL OR RATINGS ARE CONNECTED, THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL NECESSARY FITTINGS, TRANSITIONS AND OR ADAPTERS NECESSARY. THE MATERIAL AND PRESSURE RATING SHALL BE CONSISTENT WITH THE PIPING SYSTEMS TO WHICH THESE ARE CONNECTED AND SUBJECT TO THE ENGINEERS APPROVAL.

16. THE LOCATION OF AIR RELEASE VALVES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. FINAL LOCATION SHALL BE ESTABLISHED BY ENGINEER AFTER SUBMITTAL OF AS-BUILT RECORD DRAWINGS.

17. SERVICE INTERRUPTIONS REQUIRE A MINIMUM OF TWO (2) WEEKS PRIOR NOTIFICATION.

18. MINIMUM COVER SHALL BE 36 INCHES FROM FINISH GRADE, UNLESS OTHERWISE SPECIFICALLY APPROVED BY THE ENGINEER. MINIMUM COVER UNDER DITCH/CANAL BOTTOMS SHALL BE 24 INCHES. UNLESS OTHERWISE SPECIFIED OR SPECIFICALLY APPROVED BY THE ENGINEER. MAXIMUM COVER SHALL BE 48 INCHES WITH APPROVAL FROM VILLAGE ENGINEER. UNLESS OTHERWISE SPECIFICALLY APPROVED BY THE ENGINEER.

19. THE CONTRACTOR IS ADVISED THAT THE GROUNDWATER TABLE IN THE AREA IS VARIABLE. DEWATERING FOR PIPE INSTALLATION WILL BE REQUIRED. WET TRENCH INSTALLATION SHALL NOT BE ALLOWED, ALL PIPING MUST BE INSTALLED IN A DRY TRENCH. CONTRACTOR TO ENSURE HIS COMPLETE UNDERSTANDING OF DEWATERING REQUIREMENTS FOR THIS PROJECT.

20. ARV LOCATIONS ARE AT PROPOSED HIGH POINTS AND ARE SUBJECT TO CHANGE DUE TO ACTUAL FIELD CONDITIONS.

21. USE OF SLEEVES, REPAIR SLEEVES AND / OR REPAIR COUPLINGS IS PROHIBITED WITHOUT PRIOR APPROVAL FROM THE UTILITY.

22. ALL MATERIALS FOR CONNECTION TO EXISTING MAINS MUST BE PRESENT AT SCHEDULED CONNECTION TIME. IF NOT CONNECTION WILL BE CANCELED.

23. PRIOR TO ORDERING MATERIALS FOR MAIN CONNECTIONS THE CONTRACTOR SHALL EXPOSE THE CONNECTION POINT VERIFYING SIZE AND TYPE OF MATERIAL.

24. CONTRACTOR SHALL CONFIRM HORIZONTAL AND VERTICAL CONTROL OF ALL CONFLICTS A MINIMUM OF 100 FEET IN ADVANCE OF PIPE LAYING CREW.

25. TAPPING SLEEVES SHALL BE A MINIMUM OF 3 FEET FROM A PIPE JOINT AND SERVICE TAPS SHALL BE A MINIMUM OF 18 INCHES APART AND 18 INCHES FROM A BELL OR FITTING.

26. VALVES SHALL BE PROVIDED WITH A FULLY ADJUSTABLE VALVE BOX AND STEM WHERE THE CENTERLINE OF PIPE TO GRADE IS GREATER THAN FOUR (4) FEET.

SEPARATION REQUIREMENTS

62-555.314 F.A.C. AUGUST 28, 2003

1. HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

   A. NEW OR RELOCATED UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

   B. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

   C. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

2. VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

   A. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

   B. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESURE- TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATERMAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

   C. AT THE UTILITY CROSSING DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

   *REQUIRED BY: HRS, STATE OF FLORIDA, PALM BEACH COUNTY PUBLIC HEALTH UNIT

THE FOLLOWING SHALL BE USED AS A GUIDE FOR SUBMITTAL OF RECORD DRAWINGS TO THE LOXAHATCHEE RIVER DISTRICT

1. TWO (2) SETS OF PRINTS SHALL BE SUBMITTED TO THE DISTRICT FOR REVIEW 48 HOURS PRIOR TO REQUESTING INSPECTIONS SUCH AS, FINAL INSPECTION, PRESSURE TESTS, SANITARY SEWER LAMPING OR ANY OTHER ELEMENT OF THE SYSTEM WHICH IS DETERMINED BY THE DISTRICT TO REQUIRE CLARIFICATION.
2. THE DRAWINGS WILL BE REVIEWED BY THE DISTRICT FOR DEFICIENCIES. DEFICIENCIES WILL BE INDICATED ON ONE (1) SET OF PRINTS WHICH WILL BE RETURNED TO THE E.O.R. OR CONTRACTOR FOR NECESSARY CORRECTIVE ACTION.
3. UPON CORRECTION, TWO (2) SETS OF PRINTS (SIGNED/SEALED BY A FLORIDA LICENSED SURVEYOR) SHALL BE SUBMITTED.
4. NO DISCLAIMERS ON DRAWINGS WILL BE ACCEPTED.
5. UPON FINAL SUBMITTAL OF RECORD DRAWINGS, AN AUTOCAD VER. 2009 OR LATER AND ADOBE .PDF (24"X36") ELECTRONIC DATA FILE SHALL BE FURNISHED ON A CD-R DISK TO THE DISTRICT. ONLY ONE CAD FILE WITH ALL SHEETS OF RECORD DRAWINGS ALLOWED.
6. ALL SEWER ITEMS SHALL BE CATEGORIZED AND ASSIGNED TO THE DRAWING LAYERS SUCH AS: AB-MANHOLES, AB-FORCEMAIN, AB-VALVE, AB-GRAVITY MAIN, ETC.
7. REDRAW ALL SEWER LINES AND INFRASTRUCTURE ON RECORD DRAWINGS AS CONSTRUCTED HORIZONTALLY & VERTICALLY. USING ORIGINAL DESIGN LINEWORK & ONLY UPDATING THE CORRESPONDING TEXT CALLOUTS WILL NOT BE ACCEPTED AS RECORD DRAWINGS.

REQUIRED INFORMATION ON RECORD DRAWINGS

GENERAL

1. DRAWINGS ON 24" X 36" BOND PAPER THAT WILL REPRODUCE LEGIBLY.
2. LABEL DRAWINGS "RECORD DRAWINGS" WITH DATE. COMPLETE TITLE BLOCK WITH CURRENT FILE NAME.
3. DRAWINGS SHALL BE SIGNED / SEALED BY A FORIDA LICENSED PROFESSIONAL LAND SURVEYOR.
4. CORRECT STREET/ROAD NAMES AND LOT AND BLOCK NUMBERS.
5. SHOW AS-BUILT CONSTRUCTED SEWER FACILITIES HEAVIED UP, BOLD OR BOXED OUT TO STAND OUT FROM REST OF EACH DRAWING.
6. ALL ITEMS LISTED BELOW MUST BE CORRECTLY GEOREFERENCED WITH NORTHINGS/EASTINGS CLEARLY SHOW. THE AS BUILTS SHALL BE GEOREFERENCED TO THE STATE PLANE COORDINATES IN NAD 83, FLORIDA EAST ZONE, WHILE THE VERTICAL DATUM SHALL BE NGVD 29.

GRAVITY SEWER

1. AS-BUILT DISTANCE OF GRAVITY MAIN FROM CENTER LINE OF ROAD OR EASEMENT RIGHT- OF-WAY LINE, BUILDINGS, OR AS DETERMINED BY THE LOXAHATCHEE RIVER DISTRICT. EXTENSIONS OF AN IMAGINARY LINE WILL NOT BE ACCEPTABLE AS REFERENCED POINTS.
2. TYPE OF MATERIALS INSTALLED - MAINS AND SERVICES.
3. SHOW EACH SEWER SERVICE LATERAL INCLUDING THE CONNECTION TO THE MAIN AND PROVIDE THE NORTHING & EASTING POINTS FOR EACH CLEANOUT & INDICATE CLEANOUT DIAMETER.
4. AS-BUILT LOCATIONS OF MANHOLES WITH A NORTHING & EASTING PROVIDED.
5. AS-BUILT ELEVATIONS, RIM ELEVATION, EACH INVERT AND PIPE SLOPE.
6. UPDATE LIFT STATION DETAILS/ELEVATIONS INCLUDING START UP DATA.
7. LIFT STATION AND UTILITY EASEMENTS, INCLUDING LOCATION OF F.P.&L. SERVICE TO CONTROL PANEL.

PRESSURE PIPE

1. AS-BUILT DISTANCE OF MAINS AT 100' INTERVALS FROM CENTER LINE OF ROAD, EASEMENT, RIGHT-OF-WAY LINE, BUILDINGS, SEWER MAINS OR AS DETERMINED BY THE LOXAHATCHEE RIVER DISTRICT. EXTENSIONS OF AN IMAGINARY LINE WILL NOT BE ACCEPTABLE AS REFERENCED POINTS.
2. SHOW ELEVATIONS, NORTHING/EASTING OF EACH VALVE, FITTING, AIR RELEASE VALVE, SERVICE LINE, TAP, ETC., AND RADIAL DIMENSIONS (TIES) FROM A NEARBY PERMANENT OBJECT WHERE POSSIBLE. (SEE NOTE NO. 6 IN GENERAL).
3. TYPE OF MATERIALS INSTALLED - PIPE AND APPURTENANCES. INDICATE ALL LOCATIONS OF CHANGE OF MATERIAL INCLUDING JOINT TYPE (M.J., SLIP, RESTRAINED).
4. VALVE TYPE (BUTTERFLY, GATE, PLUG) INCLUDING THE NORTHING & EASTING POINT.
5. AS-BUILT LENGTH OF ALL JACK AND BORE CASINGS INDICATING DISTANCE FROM CENTER LINE OF PAVING TO EACH END OF CASING. THE AS-BUILT INVERT ELEVATION OF EACH END OF CASING, (INCLUDING NORTHING/EASTING) AND AS-BUILT DISTANCE FROM EACH END OF CASING TO LIMITS OF MECHANICAL JOINT PIPE IS ALSO REQUIRED.
6. AS-BUILT ELEVATIONS AT 100' INTERVALS AS WELL AS ANY MAJOR CHANGES IN DIRECTION AND/OR ELEVATION. ELEVATIONS SHOWN AT THESE INTERVALS AND CHANGES MUST SHOW TOP OF PIPE ELEVATION, NORTHING/EASTING AND FINISHED GRADE ELEVATION AT THAT LOCATION. SHOW LOCATION OF EMS MARKERS.
7. UTILITY EASEMENTS SHALL BE CORRECTLY SHOWN AND DIMENSIONED WITH REFERENCED SEWER FACILITY.

1. LOW PRESSURE PUMPING UNITS SHALL BE LOCATED SO THAT SURFACE WATER RUN OFF SHALL NOT INTERFERE WITH ELECTRICAL COMPONENTS.
2. MANUFACTURER SHALL SUPPLY AND ATTACH ELECTRICAL CONTROL PANEL SCHEMATIC TO INSIDE FACE OF CONTROL PANEL DOOR (LAMINATED).
3. THE DISTRICT WILL BE CERTIFYING ALL LOW PRESSURE LIFT STATIONS WHEN COMPLETE. MANUFACTURER SHALL SCHEDULE A START UP TEST AND SUBMIT ALL AS-BUILT DATA TO THE DISTRICT FOR CERTIFICATION.
4. LIFT STATION AND CONTROL PANEL SHALL BE LOCATED SO THAT BOTH ARE ACCESSIBLE FOR MAINTENANCE.
5. WHERE FEASIBLE, HOMEOWNER SHALL PROVIDE WATER HOSE BIB. HOSE FOR MAINTENANCE OPERATIONS.
6. AIR RELEASE VALVE AND/OR VACUUM RELIEF VALVES SHALL BE PROVIDED ON ALL LOW PRESSURE FORCE MAIN INSTALLATION IMMEDIATELY UPSTREAM OF DISCHARGE POINT TO REGIONAL GRAVITY OR FORCE MAIN SYSTEMS.
7. FORCE MAIN DETECTABLE TAPE & MAGNETIC LOCATING DEVICES WILL BE INSTALLED OVER FORCE MAIN, VALVES, AND SERVICES.

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PROJECT MANAGER	DEPARTMENT MANAGER	LEAD DESIGN PROF.	CHECKED BY
T. JENSEN	T. JENSEN	D. BANNETT	D. BANNETT
SHEET TITLE			DRAWN BY
GENERAL NOTES			R. ADAMS
		PROJECT NUMBER	DRAWING NUMBER
		WF900278	2 Of 11

ABBREVIATIONS

&	AND
@	AT
A	AREA
AASHO	AMERICAN ASSOC. OF STATE HIGHWAY OFFICIALS
AASHTO	AMERICAN ASSOC. OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
ABAND	ABANDONED
ABC	AGGREGATE BASE COURSE
AC	ACRE
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
ADPT	ADAPTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AGGR	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ASPH	ASPHALT
ASPH CONC	ASPHALTIC CONCRETE
ASSOC	ASSOCIATION
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
AUTO	AUTOMATIC
AUX	AUXILIARY
AVE	AVENUE
AVG	AVERAGE
AWG	AMERICAN WIRE GAUGE
AWWA	AMERICAN WATER WORKS ASSOCIATION
B/B	BACK TO BACK
BC	BACK OF CURB
BCCAP	BITUMINOUS COATED CORRUGATED ALUMINUM PIPE
BCCMP	BITUMINOUS COATED CORRUGATED METAL PIPE
BCPA	BITUMINOUS COATED PIPE ARCHED
BE	BURIED ELECTRIC
BEL	BELOW
BF	BLIND FLANGE, BOTH FACES
BI	BLACK IRON
BIT	BITUMINOUS
BL	BASE LINE
BLDG	BUILDING
BLKG	BLOCKING
BLVD	BOULEVARD
BM	BENCH MARK
BOT	BOTTOM
BOW	BOTTOM OF WALL
BP	BASE PLATE
BRG	BEARING
BSP	BLACK STEEL PIPE
BST	BELL SOUTH TELEPHONE
BT	BURIED TELEPHONE
BTU	BRITISH THERMAL UNIT
BTV	BURIED CABLE TV
BTWN	BETWEEN
BVL	BEVEL (ED)
BYP	BYPASS
CAP	CORRUGATED ALUMINUM PIPE
CAP	CAPACITY
CATV	CABLE TV
CB	CATCH BASIN
C/C	CENTER TO CENTER
CCW	COUNTER CLOCKWISE
CDF	CONTROL DENSITY FILL
CDT	CONDUIT
CF	CUBIC FOOT
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
C&G	CURB AND GUTTER
CHAMF	CHAMFER
CI	CAST IRON
CIP	CAST IRON PIPE
CIPL	CAST IN PLACE
CIR	CIRCLE
CIRC	CIRCUMFERENTIAL
CJ	CONSTRUCTION JOINT
CL	CENTER LINE
CLR	CLEAR
CM	CONCENTRATE MAIN (R.O.)
CM	CONCRETE MONUMENT
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
COMP	COMPRESSIBLE
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
CTR	CENTER
CTU	CENTRAL TELEMETRY UNIT
CULV	CULVERT
CUP	COPPER PIPE
CW	COLD WATER
CY	CUBIC YARD
DEPT	DEPARTMENT
DEMO	DEMOLITION
DET	DETAIL
DFT	DRY FILM THICKNESS
DHW	DESIGN HIGH WATER
DI	DUCTILE IRON
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DISCH	DISCHARGE
DIV	DIVISION
DL	DEAD LOAD
DMH	DROP MANHOLE
DN	DOWN
DR	DRAIN, DRIVE
DRWY	DRIVEWAY
DS	DOWNSPOUT
DV	DIAPHRAGM VALVE
DWG	DRAWING
E	EAST, EASTING
EA	EACH
E/E	END TO END
EF	EACH FACE
EFL	EFFLUENT
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATION
ELLUP	ELLIPTICAL
EMERG	EMERGENCY
ENGR	ENGINEER
EOP	EDGE OF PAVEMENT
EPA	ENVIRONMENTAL PROTECTION AGENCY
EQ	EQUAL(LY)
EQIV	EQUIVALENT
EQUIP	EQUIPMENT
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE
ESMT	EASEMENT
EW	EACH WAY
ES	EACH SIDE
ESMT	EASEMENT
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
EXTD	EXTENDED
FBO	FURNISHED BY OTHERS
FC	FLEX CONNECTION
FD	FLOOR DRAIN
FDN	FOUNDATION
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
FE	FLOOR ELEVATION
FFE	FINISHED FLOOR ELEVATION
F/F	FACE TO FACE
FGL	FIBERGLASS
FH	FIRE HYDRANT
FIG	FIGURE
FIN	FINISH(ED)
FL	FLOW LINE
FLEX, FLX	FLEXIBLE
FLG, FLG'D	FLANGE(D)
FLR	FLOOR
FM	FORCE MAIN
FPL	FLORIDA POWER & LIGHT
FPM	FEET PER MINUTE
FRP	FIBERGLASS REINFORCED PLASTIC
FT	FOOT, FEET
FTG	FOOTING, FITTING
FURN	FURNISHED
FUT	FUTURE
G	NATURAL GAS
GA	GAUGE, GAGE
GAL	GALLON
GALV	GALVANIZED
GE	GROOVED END
GEN	GENERATOR
GGR	GRAD (E) (ING)
GIP	GALVANIZED IRON PIPE
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	GRADE
GRAV	GRAVITY
GND	GROUND
GRTG	GRATING
GSKT	GASKET
GSP	GALVANIZED STEEL PIPE
H	HIGH
HDB	HORIZONTAL DIRECTIONAL BORE
HDPE	HIGH DENSITY POLYETHYLENE
HDR	HEADER
HDWL	HEADWALL
HDWR	HARDWARE
HFAC	HARNESSED FLANGED ADAPTOR COUPLING
HGR	HANGER
HORIZ	HORIZONTAL
HP	HIGH POINT OR HORSEPOWER
HR	HOUR
HT	HEIGHT
HVAC	HEATING, VENTILATING & AIR CONDITIONING
HW	HOT WATER
HWL	HIGH WATER LEVEL
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HWT	HOT WATER TANK
HWY	HIGHWAY
HYD	HYDRANT
ID	INSIDE DIAMETER
I.E.	INVERT ELEVATION
IF	INSIDE FACE
IN	INCH
INF	INFLUENT
INS	INSIDE
INT	INTERIOR
INV.	INVERT
IP	IRON PIPE BOUNDARY
IQ	IRRIGATION QUALITY WATER MAIN
IR	IRON ROD BOUNDARY
ISOL	ISOLATOR, ISOLATION
JB	JUNCTION BOX
JCT	JUNCTION
JT	JOINT
K	KIP (1000 LB)
LA	LIGHTNING ARRESTER
LAB	LABORATORY
LB	POUND
LBS	POUNDS
LCP	LOCAL CONTROL PANEL
LF	LINEAL FEET
LG	LONG
LGTH	LENGTH
LIN	LINEAR
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LMRK	LIMEROCK
LOC	LOCATION, LOCATED
LONG	LONGITUDINAL
LP	LIGHT POLE
LPSS	LOW PRESSURE SANITARY SERVICE
LR	LONG RADIUS
LS	LUMP SUM, LIFT STATION
LT	LEFT
LTS	LENGTH TO SUIT
LWL	LOW WATER LEVEL
MAINT	MAINTENANCE
MASY	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MFG	MANUFACTURING
MFGR	MANUFACTURER
MGD	MILLION GALLONS PER DAY
MH	MANHOLE
MHW	MEAN HIGH WATER
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
MLW	MEAN LOW WATER
MO	MASONRY OPENING
MOD	MODIFY
MON	MONUMENT
MOT	MAINTENANCE OF TRAFFIC
MPH	MILES PER HOUR
MTD	MOUNTED
MTL	METAL
#	NUMBER
N	NORTH, NORTHING
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRIC MANUFACTURER'S ASSOCIATION
NGVD	NATIONAL GEODETIC VERTICAL DATUM
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN/NUMBER
NOM	NOMINAL
NPT	NATIONAL PIPE THREAD
NPW	NON-POTABLE WATER
NRS	NON-RISING STEM
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OE	OVERHEAD ELECTRIC
OF	OUTSIDE FACE
OPNG	OPENING
O/O	OUTSIDE TO OUTSIDE
OPER	OPERATOR
OPP	OPPOSITE
OPT	OPTION (AL)
ORIG	ORIGINAL
OT	OVERHEAD TELEPHONE
OVHD	OVERHEAD
PAVT	PAVEMENT
PC	POINT OF CURVATURE
PCC	POINT OF COMPLEX CURVATURE
PCF	POUNDS PER CUBIC FOOT
PCP	POWER AND CONTROL PANEL
PE	PLAIN END
PERF	PERFORATED
PERIM	PERIMETER
PERP	PERPENDICULAR
PH	PHASE
PI	POINT OF INTERSECTION
PINF	PRIMARY INFLUENT
PK	PK NAIL
PL	PROPERTY LINE, PLATE
PLC	PROGRAMMABLE LOGIC CONTROLLER
PNL	PANEL
POC	POINT OF CURVE
POJ	PUSH ON JOINT
POLYE	POLYETHYLENE
PP	POWER POLE
PPAWS	PREFORMED PLASTIC ADHESIVE WATERSTOP
PPM	PARTS PER MILLION
PR	PRESSURE RATED
PRC	POINT OF REVERSE CURVE
PRCST	PRECAST
PREFAB	PREFABRICATED
PRES	PRESSURE
PRIM	PRIMARY
PRM	PERMANENT REFERENCE MONUMENT
PROP	PROPOSED
PRV	PRESSURE RELIEF VALVE
PS	PUMP STATION
PS CONC	PRESTRESSED CONCRETE
LB	POUND
LBS	POUNDS
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE inch absolute
PSIG	POUNDS PER SQUARE INCH GAGE
PT	POINT/POINT OF TANGENCY
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
PVDF	POLYVINYLIDENE FLUORIDE
PVMT	PAVEMENT
PVRV	PRESSURE VACUUM RELIEF VALVE
POW	POTABLE WATER
PW	PLANT WATER
PWM	POTABLE WATER METER
PYE	POLYETHYLENE
QTY	QUANTITY
RAD, R	RADIUS
RCONC	REINFORCED CONCRETE
RCP	REINFORCED CONCRETE PIPE
RD	ROAD, ROOF DRAIN
RDWY	ROADWAY
RED	REDUCER
REF	REFERENCE
REINF	REINFORCING
REM	REMOVE
REQ'D	REQUIRED
RGE	RANGE
RES	RESIDUAL
REV	REVISION
RM	REFERENCE MONUMENT
RND	ROUND
RPM	REVOLUTIONS PER MINUTE
RR	RAILROAD
RS	RAW SEWAGE
RT	RIGHT
RW	RECLAIMED WATER, REUSE WATER
RWL	RECLAIMED WATER LINE
RWM	RAW WATER MAIN
R/W	RIGHT-OF-WAY
SAN	SANITARY SEWER
SCADA	SUPERVISORY CONTROL AND DATA ACQUISITION
SEC	SECTION
SCH	SCHEDULE
SD	STORM DRAIN
SEC	SECTION
SF, SQ FT	SQUARE FOOT
SHT	SHEET
SI, SQ IN	SQUARE INCH
SIM	SIMILAR
SLV	SLEEVE
SOJ	SLIP ON JOINT
SPEC	SPECIFICATION, SPECIFIED
SPL	SAMPLE
SQ	SQUARE
SQ FT	SQUARE FOOT
SQ YD	SQUARE YARD
SR	STATE ROAD
SS	STAINLESS STEEL
SSP	STAINLESS STEEL PIPE
ST	STREET
STA	STATION
STD	STANDARD
STL	STEEL
STM	STORM SEWER
STRUC	STRUCTURE
STR	STRUCTURE
SUPPTS	SUPPORTS
SW	SOLVENT WELDED
SWD	SIDE WATER DEPTH
SWK.,S/W	SIDEWALK
SY	SQUARE YARD
SYM	SYMMETRICAL
T	TANGENT
TAN	TANGENCY
TB	TOP OF BEAM
TBM	TEMPORARY BENCH MARK
TBR	TO BE REMOVED
TB-XX	TEST BORING-XX (E.G. TB-1)
T&B	TOP AND BOTTOM
TCP	TERRA COTTA PIPE
TD	TRENCH DRAIN
TDH	TOTAL DYNAMIC HEAD
TECH	TECHNICAL
TEL	TELEPHONE
TEMP	TEMPORARY
THK	THICK (NESS)
TKD	TANK DRAIN
TM	TELEMETER OR TIME
TOB	TOP OF BERM/BANK
TOC	TOP OF CURB/CONCRETE
TOF	TOP OF FOOTING
TOP	TOP OF PIPE
TOW	TOP OF WALL
TP	TURNING POINT
TPY	TEMPORARY
TRAN	TRANSFER
TRANS	TRANSITION
TURB	TURBIDITY
TWP	TOWNSHIP
TYP	TYPICAL
UD	UNDERDRAIN
UG	UNDERGROUND
USGS	US GEOLOGICAL SURVEY
UT	UNDERGROUND TELEPHONE CABLE
UON	UNLESS OTHERWISE NOTED
UV	ULTRAVIOLET
V	VOLTS
VAC	VACUUM, VOLTS ALTERNATING CURRENT
VAR	VARIOUS, VARIABLE
VB	VALVE BOX
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VB	VALVE BOX
VEL	VELOCITY
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
VT	VENT
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WIDTH
WE	WELDED END
WF	WALL FAUCET, WIDE FLANGE
WHA	WATER HAMMER ARRESTER
WL	WIND LOAD
WM	WATER MAIN
WPF	WEATHERPROOF
WT	WATER TABLE
WTP	WATER TREATMENT PLANT
WW	WASTEWATER
WWTF	WASTEWATER TREATMENT FACILITY
WWF	WELDED WIRE FABRIC
XFMR	TRANSFORMER
X SECT	CROSS SECTION
YD	YARD
YR	YEAR

LEGEND:

- ANCHOR
- BACKFLOW PREVENTOR
- 2" 22.5° BEND
- BLOW-OFF
- CATCH BASIN
- CABLE TELEVISION BOX
- CABLE TELEVISION HANDHOLE
- DRAIN
- ELECTRIC HANDHOLE
- ELECTRIC PANEL
- FPL TRANSFORMER PAD
- FIRE HYDRANT
- GATE VALVE
- GATE VALVE
- LIGHT
- LIGHT POLE
- MAIL BOX
- UNDERGROUND PROPANE TANK
- TELEPHONE RISER
- STORM MANHOLE
- SANITARY MANHOLE
- SEWER VALVE
- SIGN
- STREET SIGN
- VAULT
- WATER METER
- WOOD UTILITY POLE
- 2" WYE
- YARD DRAIN
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND IRRIGATION LINE
- UNDERGROUND TELEPHONE LINE
- UNDERGROUND CABLE TELEVISION LINE
- UNDERGROUND CABLE UNKNOWN UTILITY
- UNDERGROUND WATER MAIN
- EXISTING WM TO BE GROUTED/ABANDONED IN PLACE

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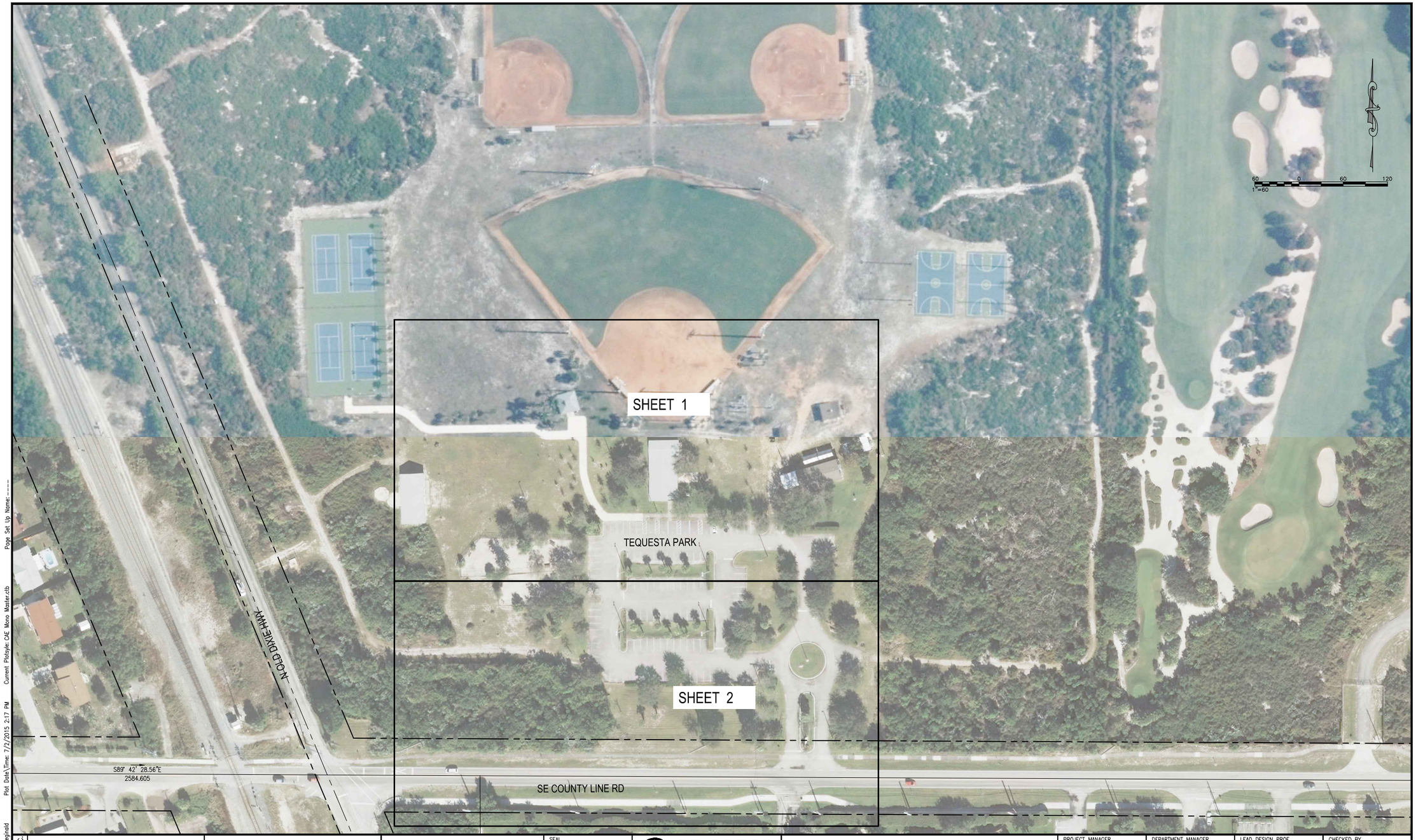
VILLAGE OF TEQUESTA
TEQUESTA PARK
LIFT STATION IMPROVEMENTS

PROJECT MANAGER	DEPARTMENT MANAGER	LEAD DESIGN PROF.	CHECKED BY
T. JENSEN	T. JENSEN	D. BANNETT	D. BANNETT
SHEET TITLE: LEGEND			DRAWN BY: R. ADAMS
		PROJECT NUMBER: WF900278	DRAWING NUMBER: 3 Of 11



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User Name: Adams, Reginald

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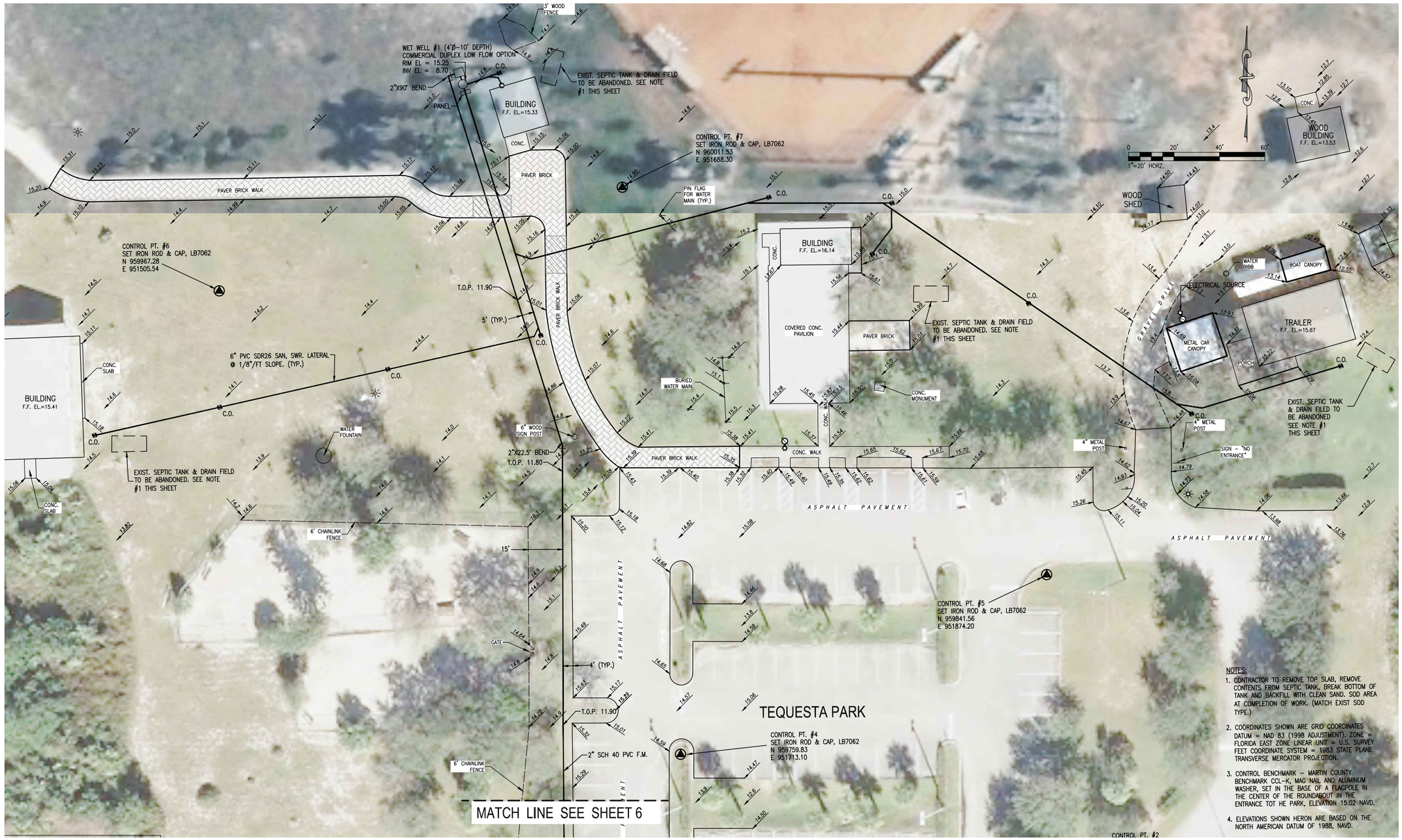
LIFT STATION IMPROVEMENTS

PROJECT MANAGER	DEPARTMENT MANAGER	LEAD DESIGN PROF.	CHECKED BY
T. JENSEN	T. JENSEN	D. BANNETT	D. BANNETT
SHEET TITLE			DRAWN BY
KEY SHEET			R. ADAMS
		PROJECT NUMBER	DRAWING NUMBER
		WF900278	4 Of 11



NOTES:

1. CONTRACTOR TO REMOVE TOP SLAB, REMOVE CONTENTS FROM SEPTIC TANK, BREAK BOTTOM OF TANK AND BACKFILL WITH CLEAN SAND. SOD AREA AT COMPLETION OF WORK. (MATCH EXIST SOD TYPE.)
2. COORDINATES SHOWN ARE GRID COORDINATES DATUM = NAD 83 (1998 ADJUSTMENT). ZONE = FLORIDA EAST ZONE LINEAR UNIT = U.S. SURVEY FEET COORDINATE SYSTEM = 1983 STATE PLANE TRANSVERSE MERCATOR PROJECTION.
3. CONTROL BENCHMARK – MARTIN COUNTY BENCHMARK CCL-K, MAG NAIL AND ALUMINUM WASHER, SET IN THE BASE OF A FLAGPOLE IN THE CENTER OF THE ROUNDABOUT IN THE ENTRANCE TOT HE PARK, ELEVATION 15.02 NAVD.
4. ELEVATIONS SHOWN HERON ARE BASED ON THE NORTH AMERICAN DATUM OF 1988, NAVD.

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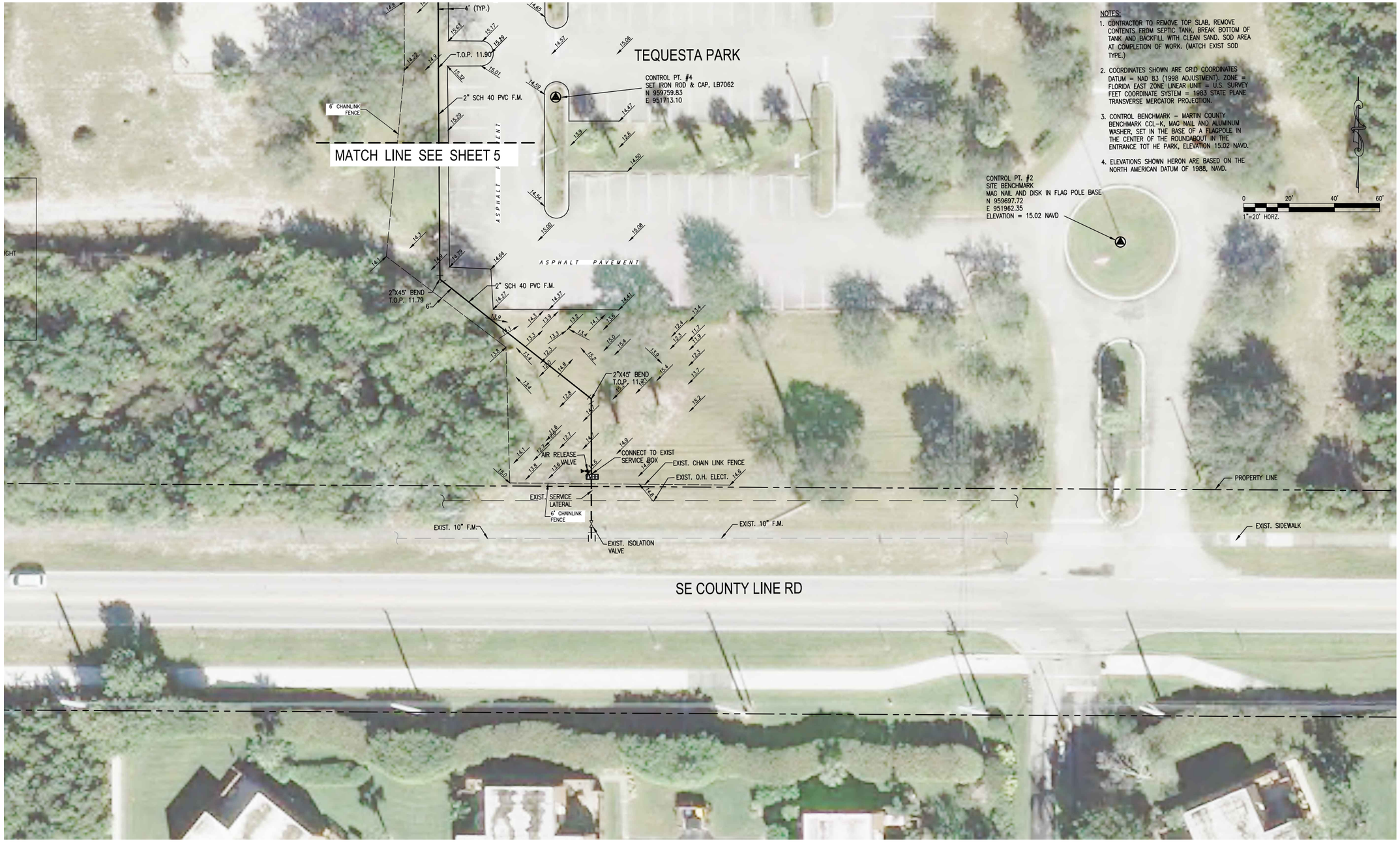
VILLAGE OF TEQUESTA
TEQUESTA PARK
LIFT STATION IMPROVEMENTS

PROJECT MANAGER	DEPARTMENT MANAGER	LEAD DESIGN PROF.	CHECKED BY
T. JENSEN	T. JENSEN	D. BANNETT	D. BANNETT
SHEET TITLE			DRAWN BY
PLAN SHEET 1			R. ADAMS
		PROJECT NUMBER	DRAWING NUMBER
		WF900278	5 Of 11



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4. ELEVATIONS SHOWN HERON ARE BASED ON THE NORTH AMERICAN DATUM OF 1988, NAVD.

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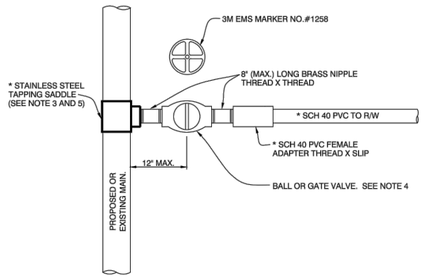
VILLAGE OF TEQUESTA
TEQUESTA PARK
LIFT STATION IMPROVEMENTS

PROJECT MANAGER	DEPARTMENT MANAGER	LEAD DESIGN PROF.	CHECKED BY
T. JENSEN	T. JENSEN	D. BANNETT	D. BANNETT
SHEET TITLE			DRAWN BY
PLAN SHEET 2			R. ADAMS
		PROJECT NUMBER	DRAWING NUMBER
		WF900278	6 Of 11

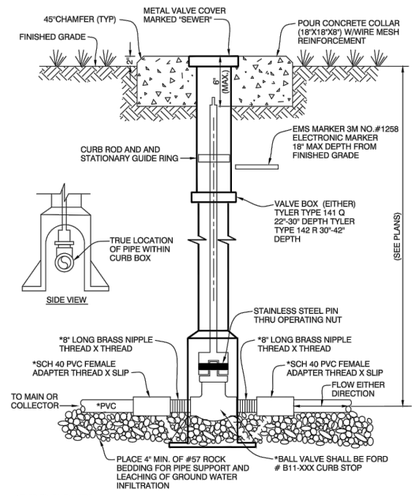


NOTES:

1. EMS SHALL BE INSTALLED ON STREET SIDE OF TEE AND VALVE.
2. PROVIDE VALVE BOX PER LP-32
3. TAPPING SADDLES FOR TAPS 1-1/2" - 2-1/2" SHALL BE ROMAC MODEL 306 OR 306H TAPPING SADDLES FOR TAPS LARGER THAN 2-1/2" SHALL COMPLY WITH SD-28
4. VALVES UP TO 2-1/2" SHALL BE FORD #B11-XXX CURB STOP W/ 2" OPERATING NUT MODEL # QT67. 3" VALVES SHALL COMPLY W/ SECTION 130, PARAGRAPH 130.03.
5. FOR SMALLER THAN 3" DIAMETER PVC MAINS USE SOCKET TEE.

LOXAHATCHEE RIVER DISTRICT

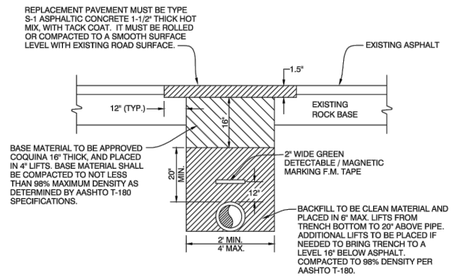
N.T.S.	LOW PRESSURE TIE - IN DETAIL	LP-30
REVISION: FEB., 2014		



*SIZE BY ENGINEER

LOXAHATCHEE RIVER DISTRICT

N.T.S.	LOW PRESSURE VALVE DETAIL	LP-31
REVISION: APRIL, 2012		

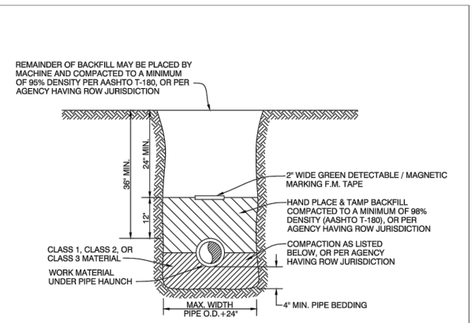


NOTES:

1. SAW CUT ASPHALT BEFORE EXCAVATING.
2. COMPACTION MUST BE DONE BY A MECHANICAL VIBRATORY COMPACTOR. EACH LIFT MUST RECEIVE 5 PASSES OF THE COMPACTOR OVER ENTIRE SURFACE. BEFORE COMPACTING EACH LIFT, WATER MUST BE APPLIED AT THE RATE OF 1 GAL. PER LINEAL FOOT OF THE TRENCH FOR BACKFILL AND 1/2 GAL. PER LINEAL FOOT OF TRENCH FOR COQUINA BASE. WATER TO BE SPRINKLED EVENLY OVER TRENCH WIDTH.
3. IF EXCAVATION LEAVES LESS THAN 1' OF UNDISTURBED BASE BETWEEN TRENCH AND SAW CUT ASPHALT, ADDITIONAL WIDTH OF ASPHALT MUST BE CUT.

LOXAHATCHEE RIVER DISTRICT

N.T.S.	TYPICAL ROAD CROSSING REPAIR DETAIL	LP-32
REVISION: APRIL, 2012		



NOTES:

CLASS 1 MATERIAL - ANGULAR .25" TO .75" GRADED STONE SUCH AS CORAL, CRUSHED STONE, OR CRUSHED SHELLS OR BEDDING ROCK (100% PASSING 1" SIEVE).

CLASS 2 MATERIAL - COURSE SAND AND GRAVEL'S WITH MAXIMUM PARTICLE SIZE OF .25 INCH WITH SMALL PERCENTAGE OF FINES COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY.

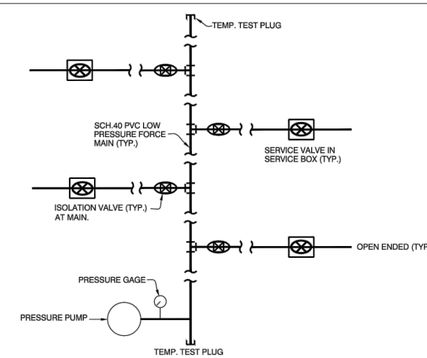
CLASS 3 MATERIAL - FINE SAND AND CLAYEY GRAVEL'S, INCLUDING FINE SANDS, SAND-CLAY MIXTURES AND GRAVEL-CLAY MIXTURES, COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY. INCLUDED IN CLASS 3 ARE EXISTING SOIL TYPES CLASSIFIED AS SELECT BACKFILL.

IF CLASS 1 MATERIAL IS USED FOR BEDDING, IT MUST BE USED FOR THE ENTIRE EMBEDMENT. A DRY TRENCH SHALL BE MAINTAINED WHEN USING CLASS 2 AND CLASS 3 MATERIAL.

DENSITY TESTING IS REQUIRED IN 1 FOOT LIFTS ABOVE PIPELINE AT INTERVALS OF 400' MAXIMUM.

LOXAHATCHEE RIVER DISTRICT

N.T.S.	TRENCH DETAIL	LP-33
REVISION: APRIL, 2012		

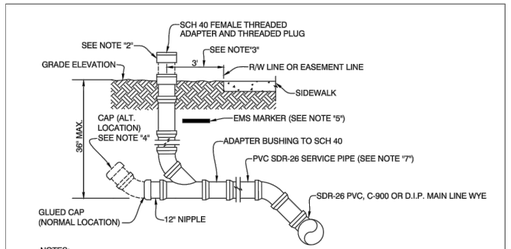


PLAN VIEW

NOTES:
1. CLOSE ALL SERVICE VALVES INSIDE SERVICE BOXES.
2. OPEN ALL ISOLATION VALVES AT MAIN.
3. PRESSURIZE SYSTEM & TEST TO 70 P.S.I. FOR ONE (1) HOUR.
4. CLOSE ISOLATION VALVES ONE AT A TIME.
5. ONE AT A TIME, OPEN SERVICE VALVE AND BLEED OFF PRESSURE AT END CAP.
6. CHECK PRESSURE.
7. IF PRESSURE DROPS, ISOLATION VALVE IS NOT HOLDING PRESSURE.
8. REPAIR OR REPLACE IF NECESSARY.
9. REPEAT STEP 5 THRU 8 FOR EACH SERVICE CONNECTION.
10. SEE LOW PRESSURE DETAILS, LP-9 & LP-10 FOR TYPICAL LAYOUTS.

LOXAHATCHEE RIVER DISTRICT

N.T.S.	TESTING PROCEDURE	LP-34
REVISION: APRIL, 2012		



NOTES:

1. WHERE SEWER LATERALS MAY BE FORCED TO BE INSTALLED AT A DEPTH GREATER THAN 36" DUE TO CONFLICT WITH OTHER UTILITIES, THE WYE FITTING MAY BE PLACED IN A VERTICAL POSITION ON THE CLEAN-OUT RISER PIPE (MAX.36")
2. LEAVE RISER 18" (MIN.) ABOVE GRADE. WHEN HOUSE RISER CONNECTION IS MADE BY BUILDING PLUMBER, RISER PIPE WILL BE CUT OFF, AND SET 2" ABOVE SOD GRADE (ADAPTER SHALL BE LEFT UNGLUED).
3. IN AREAS WHERE NO SIDEWALK EXISTS OR WHERE NONE ARE PLANNED, THE CLEAN OUT RISER WILL BE SET AT R/W OR EASEMENT LINE.
4. IN AREAS WHERE GROUND WATER TABLE IS LESS THAN 36" FROM FINISHED GRADE, NIPPLE OUT OF WYE WILL BE EXTENDED UP TO A POINT 6" MIN. ABOVE GROUND WATER TABLE.
5. EMS MARKER MODEL NO.1258, SERVICE LINE ELECTRONIC MARKER AS MFG. BY 3M CO., TO REMAIN IN PLACE AFTER CONNECTION OF BUILDING SEWER. BURY IN FRONT OF CLEAN OUT RISER 18" BELOW FINISHED GRADE.
6. 6" SINGLE SERVICES USED ONLY FOR COMMERCIAL OR MULTI-FAMILY RESIDENTIAL UNITS.
7. WHEN MAIN LINE IS C-900 PVC OR DIP (EPOXY COATED), SERVICE PIPE SHALL BE SAME MATERIAL AS MAIN LINE.
8. WHEN APPROVED BY THE DISTRICT, CLEAN-OUTS MAY BE PLACED IN PAVED AREAS, HOWEVER, PROTECTIVE BOXES AS SHOWN ON DETAIL SD-1 MUST BE INSTALLED.

(PLUMBERS ONLY)

WHERE EXISTING SERVICE LATERAL IS VITRIFIED CLAY PIPE, BELL (HUB) WILL BE REMOVED WITH APPROVED SAW AND A "FERNCO" VCP X PVC COUPLING WILL BE USED TO JOIN THE EXISTING AND NEW PIPE. FERNCO COUPLING WILL BE WRAPPED IN STRANDS OF COPPER WIRE AND COUPLING WILL BE BEDDED IN TYPE "57" ROCK TO UNDISTURBED MATERIAL. WHERE EXISTING SERVICE LATERAL IS DIP OR C-900, A DISTRICT APPROVED PVC TRANSITION COUPLING WILL BE USED.

LOXAHATCHEE RIVER DISTRICT

N.T.S.	4" OR 6" SINGLE SERVICE CONNECTION DETAIL	SD-6
REVISION: APRIL, 2012		

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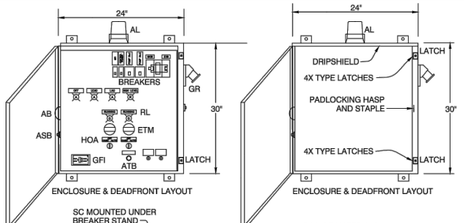
TEQUESTA PARK
LIFT STATION IMPROVEMENTS

PROJECT MANAGER	DEPARTMENT MANAGER	LEAD DESIGN PROF.	CHECKED BY
T. JENSEN	T. JENSEN	D. BANNETT	D. BANNETT
SHEET TITLE: DETAILS 1			DRAWN BY: R. ADAMS
		PROJECT NUMBER: WF900278	DRAWING NUMBER: 7 Of 11



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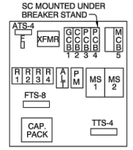


BACKPLATE LAYOUT TYPICAL

CAPACITOR PACK SUPPORT DETAIL

BILL OF MATERIALS

ENC	ENCLOSURE N4X SS	HOFFMAN, CSD302410SS
MCB/ECB	MAIN & EMRGNCY BREAKERS	SQ-D, QOU2100
PCB	PUMP BREAKERS	SQ-D, QOU250
CCB/GCB	GFI &CONTROL BREAKER	SQ-D, QOU115
MS1-2	STARTER	SQ-D, 8536SCO1V02S
OL	OVLD HTR ELEMENT	SQ-D, B36
XFMR	TRANSFORMER	SQ-D, 9070T50D23
ETM	ELAPSED TIME METER	FINM, 7S08S
HOA	HAND OFF AUTO SWITCH	SQ-D, 9001KS46B
RL	RUN LIGHT	BACO, S20SA40
AL	ALARM LIGHT	STONCO, VP11GCR
AH	ALARM HORN	WHEELOCK, WH101630
ASR	ALARM SILENCE RELAY	SQ-D, 8501KP12V14
ASB	ALARM SILENCE BUTTON	SQ-D, 9001SKR1U
ATB	ALARM TEST BUTTON	SQ-D, 9001SKR1U
GFI	15 AMP GFI RCPT	LEVITON, 8599I
FU	FUSE 2A	BUSS, MDL-2
FU	FUSE BLOCK	BUSS, BKSB2021
CR1-5	RELAY, 2PDT, 24VAC	SQ-D, 8501KP12V14
ALT	ALTERNATOR	DIVERSIFIED, ARB120AEA
LA	LIGHTNING ARRESTOR	INTERMATIC, AG2401C
F	FLASHER	DIVERSIFIED, ETN120AFT75
GR	GENERATOR RECEPTACLE	APPLETON, ADR1034RS
VM	VOLTAGE MONITOR	DIVERSIFIED, UOA240ALA
SC	SURGE ARRESTOR	SQ-D, SDSA1175
CAP. PACK, RUN PACK, START CAP, START RELAY	} PER PUMP MANUFACTURERS RECOMMENDATIONS	

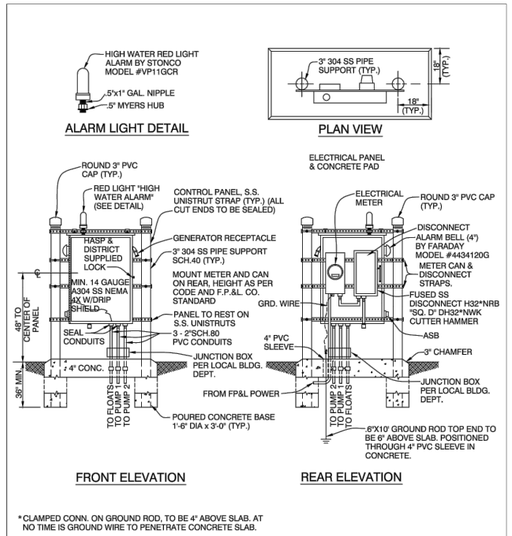
* LAMINATED SCHEMATIC & PARTS LIST INSIDE ENCLOSURE DOOR.

NOTES:

1. WHEN THE COMMERCIAL "LOW FLOW" OPTION IS ALLOWED BY LRD, THE OVERLOAD AND CAPACITOR PACKS WILL BE DOWNSIZED TO MATCH THE 2HP SGVF-2022L PUMPS, PER THE MANUFACTURERS RECOMMENDATIONS. ALL OTHER PANEL EQUIPMENT REMAINS AS LISTED HERE.

LOXAHATCHEE RIVER DISTRICT

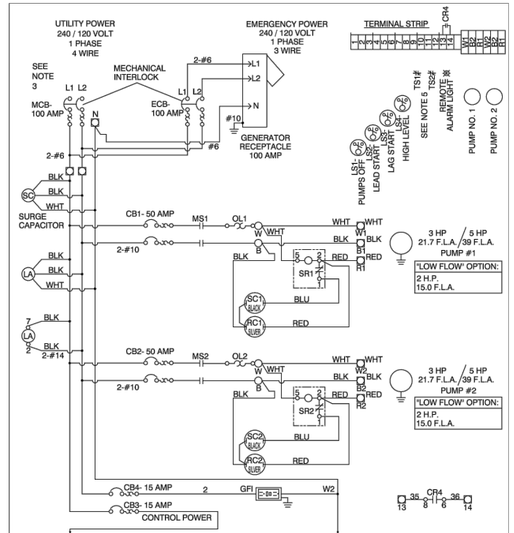
N.T.S.	COMMERCIAL DUPLEX CONTROL PANEL LAYOUT 1 PHASE	LP-14
REVISION: APRIL, 2012		



* CLAMPED CONN. ON GROUND ROD, TO BE 4" ABOVE SLAB. AT NO TIME IS GROUND WIRE TO PENETRATE CONCRETE SLAB.

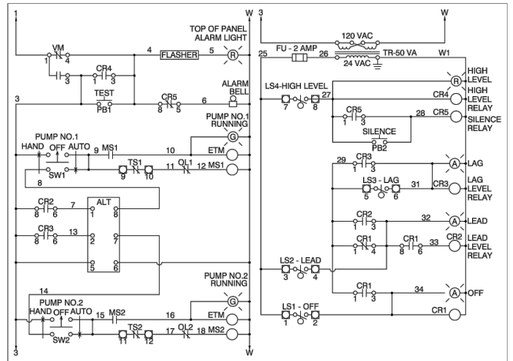
LOXAHATCHEE RIVER DISTRICT

N.T.S.	COMMERCIAL DUPLEX CONTROL PANEL DETAILS	LP-13
REVISION: APRIL, 2012		



LOXAHATCHEE RIVER DISTRICT

N.T.S.	COMMERCIAL DUPLEX ELECTRICAL SCHEMATIC 1PHASE (1 OF 2)	LP-15
REVISION: APRIL, 2012		

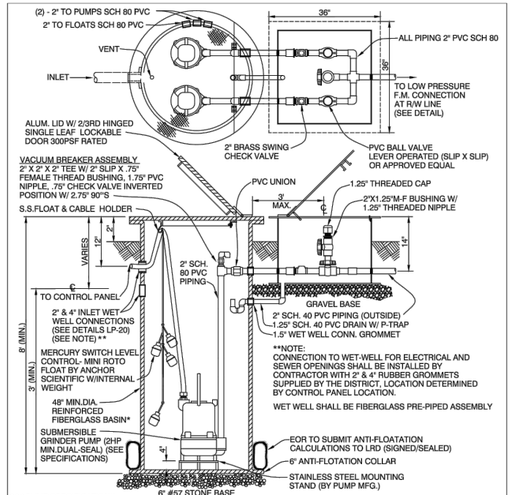


NOTES:

1.) PANEL GROUND TERMINAL MUST BE CONNECTED TO EARTH GROUND.
2.) FACTORY WIRING IS SHOWN ——— FIELD WIRING IS SHOWN
3.) INSTALLER MUST PROVIDE SHORT CIRCUIT PROTECTION FOR THE CONDUCTORS FEEDING TO THIS ELECTRICAL ASSEMBLY.
4.) RECOMMENDED TIGHTENING TORQUES FOR TERMINALS; 240 VOLT POWER - SEE CIRCUIT BREAKER 120 VOLT POWER, CONTROL & LOW VOLTAGE - 20 POUND INCHES
5.) THERMAL SAFETY SWITCH (TS) CONTACTS ARE NOT IN ALL MOTORS. IF MOTOR DOES NOT HAVE SWITCH, THESE TERMINALS MUST BE JUMPERED.
6.) HASP AND STAPLE PROVIDED ON OUTER DOOR OF ENCLOSURE FOR PADLOCK.
7.) WARNING LABEL TO BE YELLOW BACKGROUND WITH BLACK LETTERS. "WARNING - LOCK OUT ELECTRICAL SERVICE TO THIS ENCLOSURE BEFORE OPENING DOOR OR SERVICING EQUIPMENT".
8.) ON START UP, THE POWER MONITOR INDICATOR LIGHT SHOULD TURN "ON" WITHIN ONE (1) SECOND. IF IT DOESN'T, TURN POWER "OFF" TO THE PANEL & SWAP ANY TWO (2) OF THE THREE (3) INPUT WIRES TO THE MONITOR.
9.) MAIN CIRCUIT BREAKER AND EMERGENCY CIRCUIT BREAKER INTERLOCKED TO PREVENT SIMULTANEOUS CLOSURE.
10.) INSTALLER MUST VERIFY THAT PHASE TO NEUTRAL IS 120 VOLTS BEFORE CONNECTING CONTROL & RECEPTACLE CIRCUITS.
11.) WARNING LABEL TO BE RED WITH WHITE LETTERS: DO NOT OVERRIDE INTERLOCK NEVER ENERGIZE BOTH BREAKERS SIMULTANEOUSLY.

LOXAHATCHEE RIVER DISTRICT

N.T.S.	COMMERCIAL DUPLEX ELECTRICAL SCHEMATIC 1PHASE (2 OF 2)	LP-16
REVISION: APRIL, 2012		



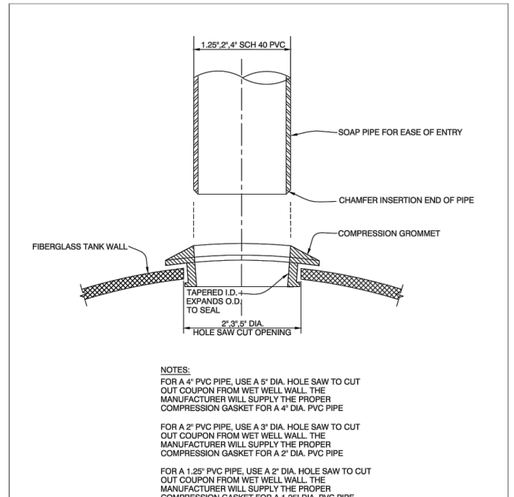
*** PUMP SPECIFICATIONS:
BARNES-GRINDER PUMP #SGVF2022L, 2HP, 230V, 1PH, 60HZ, 5.13" IMPELLER

NOTES:

1. THE "LOW FLOW" OPTION IS ONLY ALLOWED FOR PROJECTS OF 7 ECS OR LESS.
2. USE OF THIS DETAIL MUST BE ACCOMPANIED WITH LRD DETAIL LP-13.
3. USE OF THIS DETAIL MUST BE ACCOMPANIED WITH LRD DETAILS LP-14 THROUGH LP-16 FOR SINGLE PHASE POWER OR DETAILS LP-17 THROUGH LP-19 FOR THREE PHASE POWER.

LOXAHATCHEE RIVER DISTRICT

N.T.S.	COMMERCIAL DUPLEX - LOW FLOW OPTION TYPICAL WET WELL	LP-20
REVISION: APRIL, 2012		



NOTES:

FOR A 4" PVC PIPE, USE A 5" DIA. HOLE SAW TO CUT OUT COUPON FROM WET WELL WALL. THE MANUFACTURER WILL SUPPLY THE PROPER COMPRESSION GASKET FOR A 4" DIA. PVC PIPE

FOR A 2" PVC PIPE, USE A 3" DIA. HOLE SAW TO CUT OUT COUPON FROM WET WELL WALL. THE MANUFACTURER WILL SUPPLY THE PROPER COMPRESSION GASKET FOR A 2" DIA. PVC PIPE

FOR A 1.25" PVC PIPE, USE A 2" DIA. HOLE SAW TO CUT OUT COUPON FROM WET WELL WALL. THE MANUFACTURER WILL SUPPLY THE PROPER COMPRESSION GASKET FOR A 1.25" DIA. PVC PIPE

TERMINATE INFLUENT SEWER LINE 3" INSIDE TANK.

LOXAHATCHEE RIVER DISTRICT

N.T.S.	PIPE CONNECTION DETAIL	LP-21
REVISION: APRIL, 2012		

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User Name: Adams, Reginald
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REVISIONS			
NO.	BY	DATE	REMARKS

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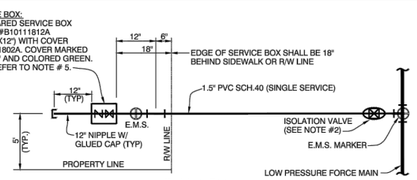
EB00007917, LB7062, LC26000269, GB564

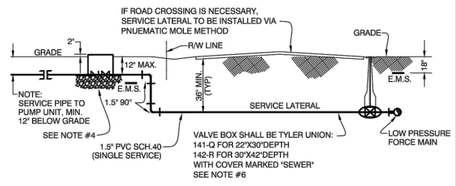
VILLAGE OF TEQUESTA
TEQUESTA PARK
LIFT STATION IMPROVEMENTS

PROJECT MANAGER	DEPARTMENT MANAGER	LEAD DESIGN PROF.	CHECKED BY
T. JENSEN	T. JENSEN	D. BANNETT	D. BANNETT
SHEET TITLE: DETAILS 2			DRAWN BY: R. ADAMS
		PROJECT NUMBER: WF900278	DRAWING NUMBER: 8 Of 11

SERVICE BOX:
CDR FLARED SERVICE BOX
MODEL #B10111812A
(11"X18"X12") WITH COVER
#C00111802A, COVER MARKED
"SEWER" AND COLORED GREEN.
ALSO REFER TO NOTE # 5.



PLAN VIEW

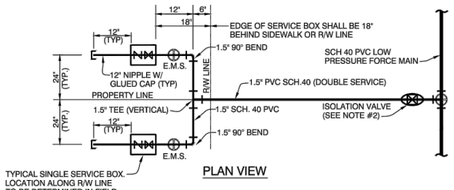


TYPICAL ROAD CROSSING SECTION VIEW

NOTES:
1. ACTUAL LOCATIONS OF SERVICES SHALL BE DETERMINED IN FIELD BY RESIDENT ENGINEER DEPENDING UPON EXISTING CONDITIONS & LOCATION OF EXISTING SEPTIC TANK.
2. IN R.O.W. ALL BALL VALVES SHALL BE FORD BRASS BALL VALVE CURB STOP #B11-666 FOR 1.5" W/ FORD QT67 OPERATING NUT, USE BRASS NIPPLES EACH SIDE OF BRASS BALL VALVES.
3. SEE PLAN SHEET FOR LOCATION OF SERVICES.
4. 4" MIN. OF #57 ROCK BEDDING SHALL BE PLACED BELOW VALVE BOXES.
5. VALVES INSIDE SERVICE BOX SHALL BE 1-1/2" FORD BRASS BALL VALVES #B11-666.
1-1/2" PROFLO BRASS SWING CHECK VALVE PFX31 W/ SCH 80 THREADED X PE NIPPLES AS REQUIRED.
6. WHERE SERVICES ARE BORED UNDER A ROADWAY, A VALVE BOX SHALL BE CONSTRUCTED WITH THE ISOLATION VALVE (SEE DETAILS ABOVE). OTHERWISE, THE ISOLATION VALVE SHALL BE DIRECT BURIED WITH AN EMS MARKER AND NO VALVE BOX.

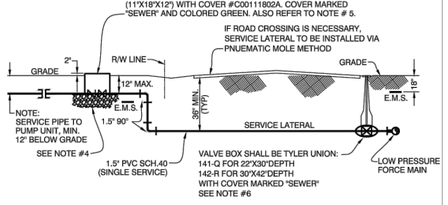
LOXAHATCHEE RIVER DISTRICT

N.T.S.	TYPICAL SINGLE SERVICE SCHEMATIC	LP-22
REVISION: FEB., 2014		



PLAN VIEW

SERVICE BOX:
CDR FLARED SERVICE BOX MODEL #B10111812A
(11"X18"X12") WITH COVER #C00111802A, COVER MARKED "SEWER" AND COLORED GREEN. ALSO REFER TO NOTE # 5.

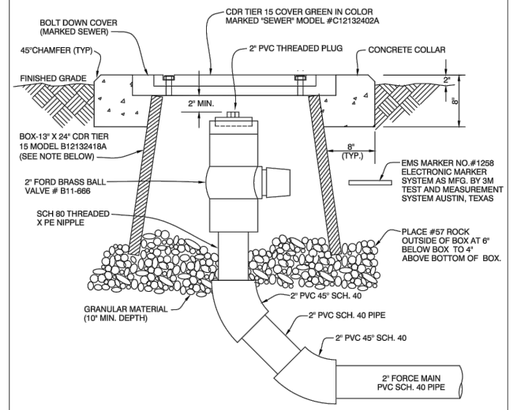


TYPICAL ROAD CROSSING SECTION VIEW

NOTES:
1. ACTUAL LOCATIONS OF SERVICES SHALL BE DETERMINED IN FIELD BY RESIDENT ENGINEER DEPENDING UPON EXISTING CONDITIONS & LOCATION OF EXISTING SEPTIC TANK.
2. IN R.O.W. ALL BALL VALVES SHALL BE FORD BRASS BALL VALVE CURB STOP #B11-666 FOR 1.5" W/ FORD QT67 OPERATING NUT, USE BRASS NIPPLES EACH SIDE OF BRASS BALL VALVES.
3. SEE PLAN SHEET FOR LOCATION OF SERVICES.
4. MIN. 4" OF #57 ROCK BEDDING SHALL BE PLACED BELOW SERVICE BOXES.
5. VALVES INSIDE SERVICE BOX SHALL BE 1-1/2" FORD BRASS BALL VALVES #B11-666.
1-1/2" PROFLO BRASS SWING CHECK VALVE PFX31 W/ SCH 80 THREADED X PE NIPPLES AS REQUIRED.
6. WHERE SERVICES ARE BORED UNDER A ROADWAY, A VALVE BOX SHALL BE CONSTRUCTED WITH THE ISOLATION VALVE (SEE DETAILS ABOVE). OTHERWISE, THE ISOLATION VALVE SHALL BE DIRECT BURIED WITH AN EMS MARKER AND NO VALVE BOX.

LOXAHATCHEE RIVER DISTRICT

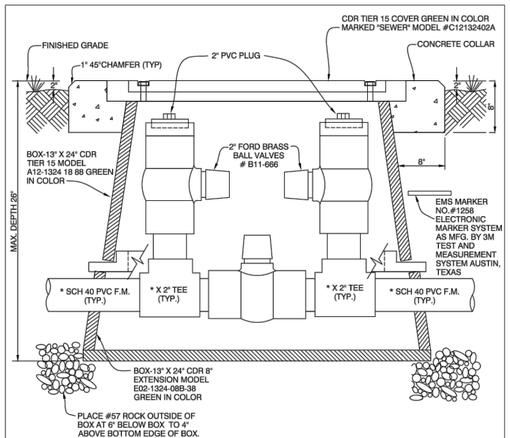
N.T.S.	TYPICAL DOUBLE SERVICE SCHEMATIC	LP-23
REVISION: FEB., 2014		



NOTE:
IN PAVED AREAS, USE NO. PB16X24X24" DEEP X 4" WALLS AND 4" FLOOR, AND NO. PB1624 TRAFFIC COVER DESIGNED FOR HS-20-44 TRAFFIC RATED BY BROOKS PRODUCTS INC.

LOXAHATCHEE RIVER DISTRICT

N.T.S.	TERMINAL FLUSHING PORT DETAIL	LP-24
REVISION: DEC., 2013		

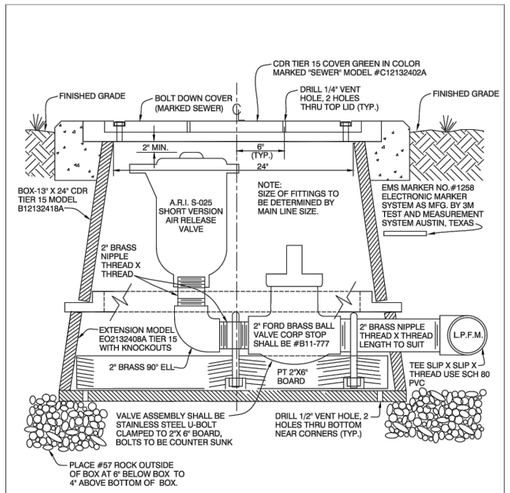


* SIZED BY ENGINEER
USE VALVE BOX AND FLUSHING PORTS ALONG STRAIGHT RUNS IN FORCE MAIN

NOTE:
1. IN PAVED AREAS, USE NO. PB16X24 X 24" DEEP X 4" WALLS AND 4" FLOOR, AND NO. PB1624 TRAFFIC COVER DESIGNED FOR HS-20-44 TRAFFIC RATED BY BROOKS PRODUCTS INC.
2. PUMP TAP VALVES TO BE 2" FORD BRASS BALL VALVES # B11-666 W/ SCH 80 THREADED X PE NIPPLES AS REQUIRED. INLINE VALVE TO MATCH FORCE MAIN DIAMETER.

LOXAHATCHEE RIVER DISTRICT

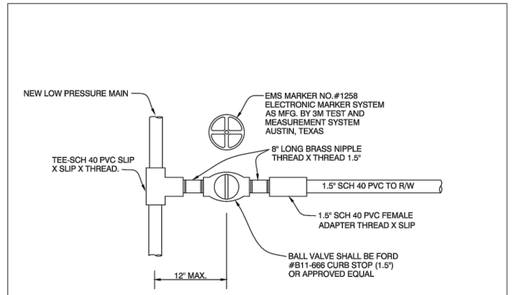
N.T.S.	IN LINE FLUSHING PORT	LP-25
REVISION: DEC., 2013		



NOTE:
IN PAVED AREAS, USE NO. PB16X24 X 24" DEEP X 4" WALLS AND 4" FLOOR, AND NO. PB1624 TRAFFIC COVER DESIGNED FOR HS-20-44 TRAFFIC RATED BY BROOKS PRODUCTS INC.

LOXAHATCHEE RIVER DISTRICT

N.T.S.	AIR / VACUUM VALVE DETAIL	LP-26
REVISION: FEB., 2014		



NOTES:
1. EMS SHALL BE INSTALLED ON STREET SIDE OF TEE AND VALVE.
2. VALVE BOX WILL BE TYLER 141Q FOR 22"-30" DEPTH OR TYLER 142R FOR 30"-42" DEPTH WITH CURB ROD TO WITHIN 6" OF FINISHED GRADE. (SEE DETAIL #LP-32)
3. WHEN CUTTING INTO AN EXISTING FORCE MAIN LINE USE REPAIR TYPE SLIP OR COMPRESSION COUPLINGS IMMEDIATELY UPSTREAM OR DOWNSTREAM OF TEE.

LOXAHATCHEE RIVER DISTRICT

N.T.S.	TYPICAL ISOLATION VALVE DETAIL	LP-29
REVISION: APRIL, 2012		

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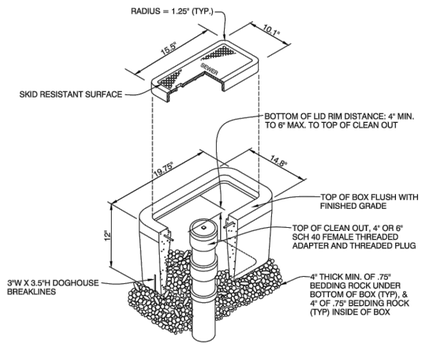
VILLAGE OF TEQUESTA
TEQUESTA PARK
LIFT STATION IMPROVEMENTS

PROJECT MANAGER	DEPARTMENT MANAGER	LEAD DESIGN PROF.	CHECKED BY
T. JENSEN	T. JENSEN	D. BANNETT	D. BANNETT
SHEET TITLE			DRAWN BY
DETAILS 3			R. ADAMS
		PROJECT NUMBER	DRAWING NUMBER
		WF900278	9 Of 11



NOTES:

1. STANDARD COVER MARKED WITH "SEWER".
2. CONCRETE: MIN. 28 DAY CONCRETE COMPRESSIVE STRENGTH = 4,500 PSI.
3. REINFORCING TO BE #6 GAGE WELDED WIRE FABRIC.
4. CLEAN OUT BOX, PLACED ON CRUSHED AGGREGATE.
5. ALL DIMENSIONS ARE APPROXIMATE.
6. LID & BOX MFG. BY BROOKS PRODUCTS SERIES 36 TYPE OR APPROVED EQUAL. (LID: NO. 36-T CAST IRON HEAVY DUTY COVER WT:18LBS, BOX: NO 36 BODY WT:92LBS.)

LOXAHATCHEE RIVER DISTRICT

N.T.S. / REVISION: APRIL, 2012	SANITARY SEWER LATERAL CLEAN OUT PROTECTIVE BOX (PAVED AREAS ONLY) DETAIL	SD-10

MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S)										
TYPE	PIPE SIZE									
	4"	6"	8"	10"	12"	16"	20"	24"	30"	36"
90° BEND	18	24	31	38	43	55	65	75	88	100
45° BEND	8	10	13	15	18	23	26	31	38	43
22-1/2° BEND	4	5	6	8	9	11	13	15	18	20
11-1/4° BEND	2	3	4	5	6	8	9	10	11	13
PLUG OR BRANCH OF TEE	38	50	65	79	90	117	139	163	194	223
VALVE	19	25	32	40	45	59	70	82	98	112
REDUCER	VARIES BY SIZE; TO BE DETERMINED BY THE DESIGN ENGINEER									

NOTES:

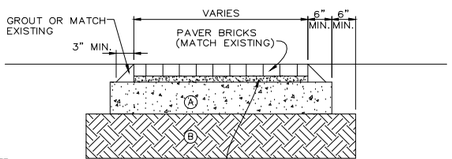
1. FITTINGS SHALL HAVE RESTRAINED JOINTS UNLESS OTHERWISE INDICATED.
2. INSTALL FULL LENGTH JOINTS WITH TOTAL LENGTH EQUAL TO OR GREATER THAN LENGTH SHOWN IN THE TABLE.
3. WHERE TWO OR MORE FITTINGS ARE IN SERIES, SELECT FITTING RESTRAINT LENGTH THAT YIELDS THE LONGEST RESTRAINT DISTANCE.
4. ALL INLINE VALVES SHALL BE RESTRAINED.
5. WHERE INTERNAL RESTRAINED JOINTS ARE USED, THE ENTIRE BELL SHALL BE PAINTED RED.
6. LENGTHS SHOWN IN THE TABLE WERE CALCULATED IN ACCORDANCE WITH PROCEDURES OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" GUIDELINES PUBLISHED BY DIPRA, USING THE ASSUMPTIONS SHOWN BELOW:

   WORKING PRESSURE: 100 PSI
   SOIL DESIGNATION: SM (SAND SILT)
   LAYING CONDITIONS: 3
   DEPTH OF COVER: 3 FT
   SAFETY FACTOR: 1.5
   CONVERSION FACTOR FOR PVC PIPE: 1.25

   THE DESIGN ENGINEER SHALL INCREASE THE VALUES IN THE TABLE AS WARRANTED BY SITE-SPECIFIC PARAMETERS, SUCH AS SOIL DESIGNATIONS AND LAYING CONDITIONS.

LOXAHATCHEE RIVER DISTRICT

N.T.S. / REVISION: APRIL, 2012	FORCE MAIN THRUST RESTRAINT CHART	SD-18

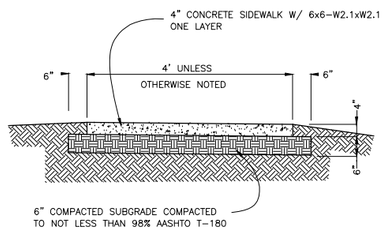


NOTE:

SECTION

1. THIS DETAIL REPRESENTS THE MINIMUM REQUIREMENTS FOR BRICK PAVER RESTORATION. THE CONTRACTOR WILL BE REQUIRED TO RESTORE THE BRICK PAVERS TO EXISTING CONDITIONS IN ACCORDANCE TO AS THEY EXIST.
2. THE CONTRACTOR SHALL COMPACT SOIL IN CONFORMANCE WITH THE SPECIFICATIONS FOR PAVEMENT
   - (A) BASE: 8" LIME ROCK OR CEMENTED COQUINA, COMPACTED TO 100% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180. BASE MATERIAL SHALL MEET GRADING REQUIREMENTS OF ASTM C33 STANDARD SPECIFICATION FOR CONCRETE AGGREGATE.
   - (B) SUBGRADE: STABILIZED 12" OF GRANULAR MATERIAL WITH A MIN. 75 PSI FBV, COMPACTED TO 100% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180

TYPICAL BRICK PAVER REPLACEMENT DETAIL



NOTE:
PROVIDE ONE CONTROL JOINT EVERY 8 FEET AND TWO AT THE CORNERS.

SIDEWALK DETAIL

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Acad Version: 2011
User Name: Adams, Reginald
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REVISIONS			
NO.	BY	DATE	REMARKS

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Certificate No.:
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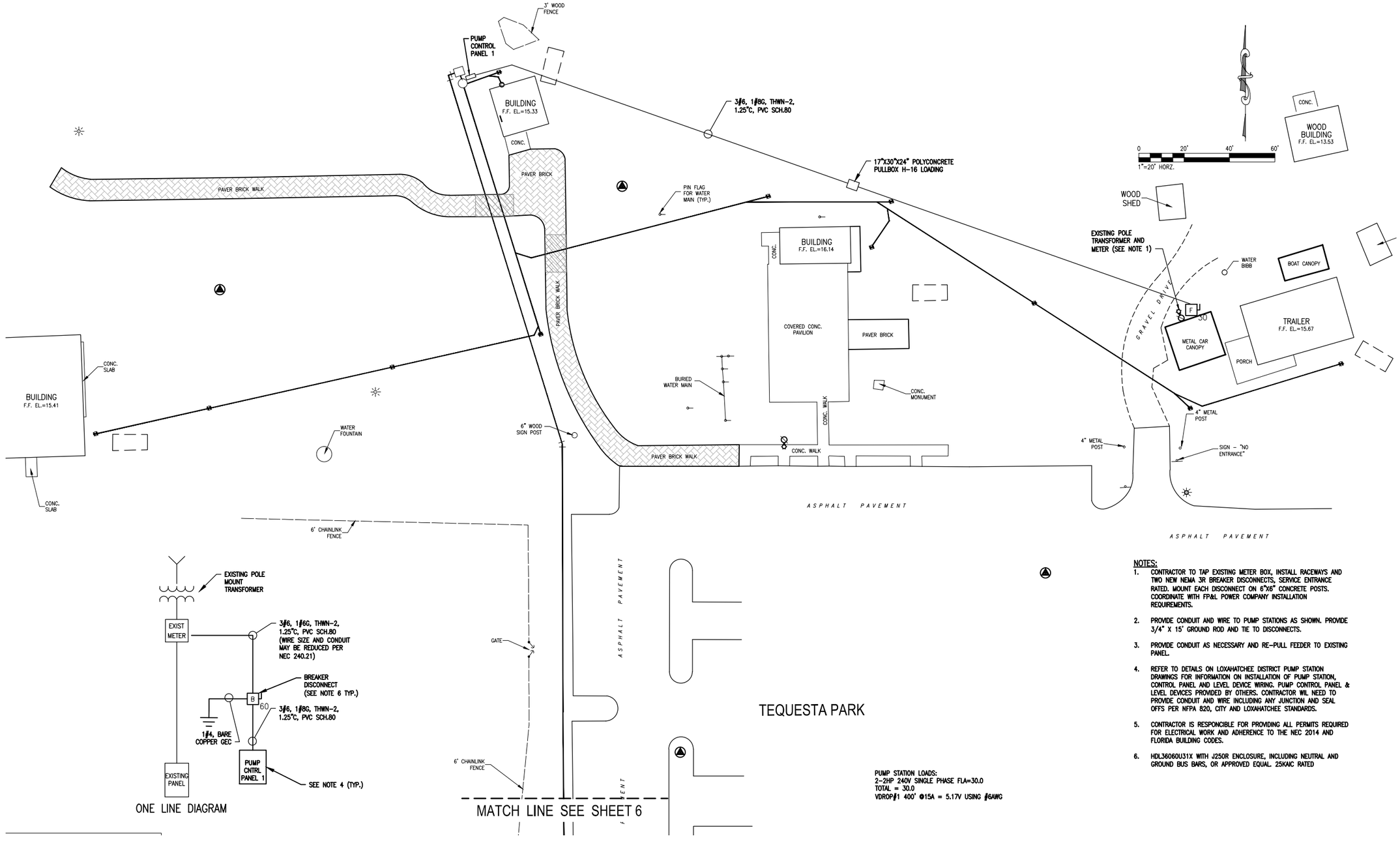
VILLAGE OF TEQUESTA
TEQUESTA PARK
LIFT STATION IMPROVEMENTS

PROJECT MANAGER	DEPARTMENT MANAGER	LEAD DESIGN PROF.	CHECKED BY
T. JENSEN	T. JENSEN	D. BANNETT	D. BANNETT
SHEET TITLE: DETAILS 4			DRAWN BY: R. ADAMS
		PROJECT NUMBER: WF900278	DRAWING NUMBER: 10 **Of 11**



NOTES:

1. CONTRACTOR TO TAP EXISTING METER BOX, INSTALL RACEWAYS AND TWO NEW NEMA 3R BREAKER DISCONNECTS, SERVICE ENTRANCE RATED. MOUNT EACH DISCONNECT ON 6"X6" CONCRETE POSTS. COORDINATE WITH FP&L POWER COMPANY INSTALLATION REQUIREMENTS.
2. PROVIDE CONDUIT AND WIRE TO PUMP STATIONS AS SHOWN. PROVIDE 3/4" X 15' GROUND ROD AND TIE TO DISCONNECTS.
3. PROVIDE CONDUIT AS NECESSARY AND RE-PULL FEEDER TO EXISTING PANEL.
4. REFER TO DETAILS ON LOXAHATCHEE DISTRICT PUMP STATION DRAWINGS FOR INFORMATION ON INSTALLATION OF PUMP STATION, CONTROL PANEL AND LEVEL DEVICE WIRING. PUMP CONTROL PANEL & LEVEL DEVICES PROVIDED BY OTHERS. CONTRACTOR WIL NEED TO PROVIDE CONDUIT AND WIRE INCLUDING ANY JUNCTION AND SEAL OFFS PER NFPA 820, CITY AND LOXAHATCHEE STANDARDS.
5. CONTRACTOR IS RESPONCIBLE FOR PROVIDING ALL PERMITS REQUIRED FOR ELECTRICAL WORK AND ADHERENCE TO THE NEC 2014 AND FLORIDA BUILDING CODES.
6. HDL36060U31X WITH J250R ENCLOSURE, INCLUDING NEUTRAL AND GROUND BUS BARS, OR APPROVED EQUAL. 25KAIC RATED

PUMP STATION LOADS:
2-2HP 240V SINGLE PHASE FLA=30.0
TOTAL = 30.0
VDROP#1 400' @15A = 5.17V USING #6AWG

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Acad Version: 2011
User Name: Adams, Reginold

Path\Name: G:\APprojects\WR\WF PROJECTS\900278-VOT PARK LIFT STAT IMPROV\CAD\OPTION 2\11 ELECTRICAL SHEET.dwg
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REVISIONS			
NO.	BY	DATE	REMARKS

SEAL

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VILLAGE OF TEQUESTA
TEQUESTA PARK
LIFT STATION IMPROVEMENTS

PROJECT MANAGER	DEPARTMENT MANAGER	LEAD DESIGN PROF.	CHECKED BY
T. JENSEN	T. JENSEN	D. BANNETT	D. BANNETT
SHEET TITLE			DRAWN BY
ELECTRICAL SITE AND ONE LINE			R. ADAMS
		PROJECT NUMBER	DRAWING NUMBER
		WF900278	11 **Of 11**