

6050 GATEWAY BLVD.
 BOYNTON BEACH, FLORIDA 33437
 SEC. 15 & 22 - TWP. 45 S - RGE. 42 E
LOCATION MAP
 N.T.S.

LEGEND

- EXISTING WATERMAIN ——— EXVM ——— EXVM ——— EXVM ———
- EXISTING SANITARY SEWER ——— EXSAN ——— EXSAN ——— EXSAN ———
- EXISTING STORM DRAINAGE ——— EXSTM ——— EXSTM ——— EXSTM ———
- PROPOSED RAINWATER LEADER W/ ROOF DRAIN & CLEANOUT
- PROPOSED SANITARY SEWER LATERAL W/ CLEANOUT
- PROPOSED WATERMAIN W/ FIRE HYDRANT ASSEMBLY
- EXISTING TREE
- EXISTING LIGHT POLE
- UTILITY EASEMENT U.E.
- DRAINAGE EASEMENT D.E.

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 www.civil-design.com
 Engineering Business No. 9664

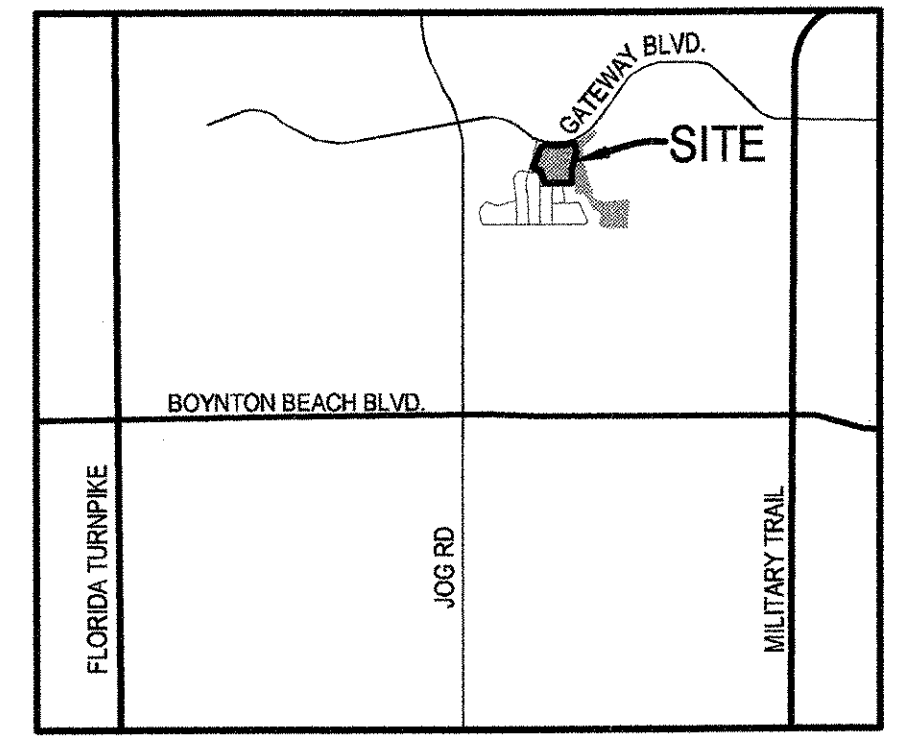
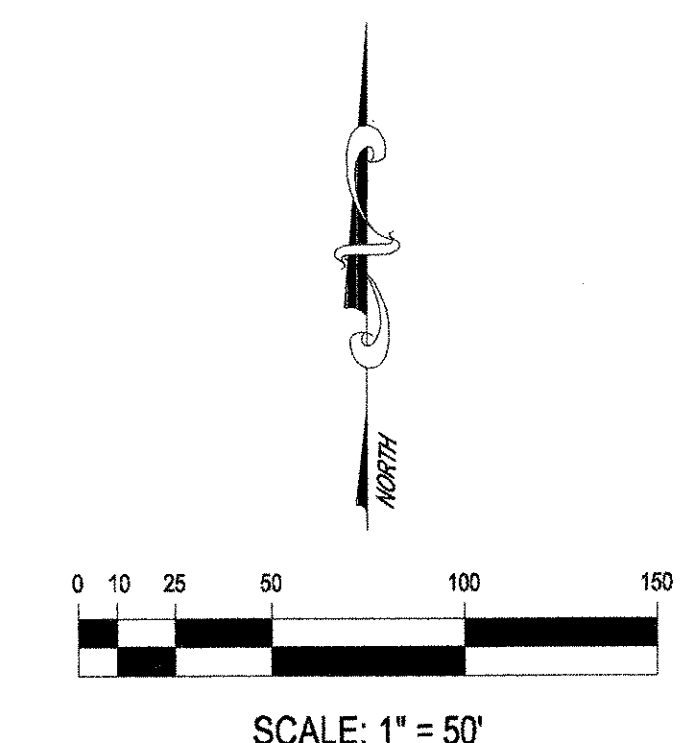
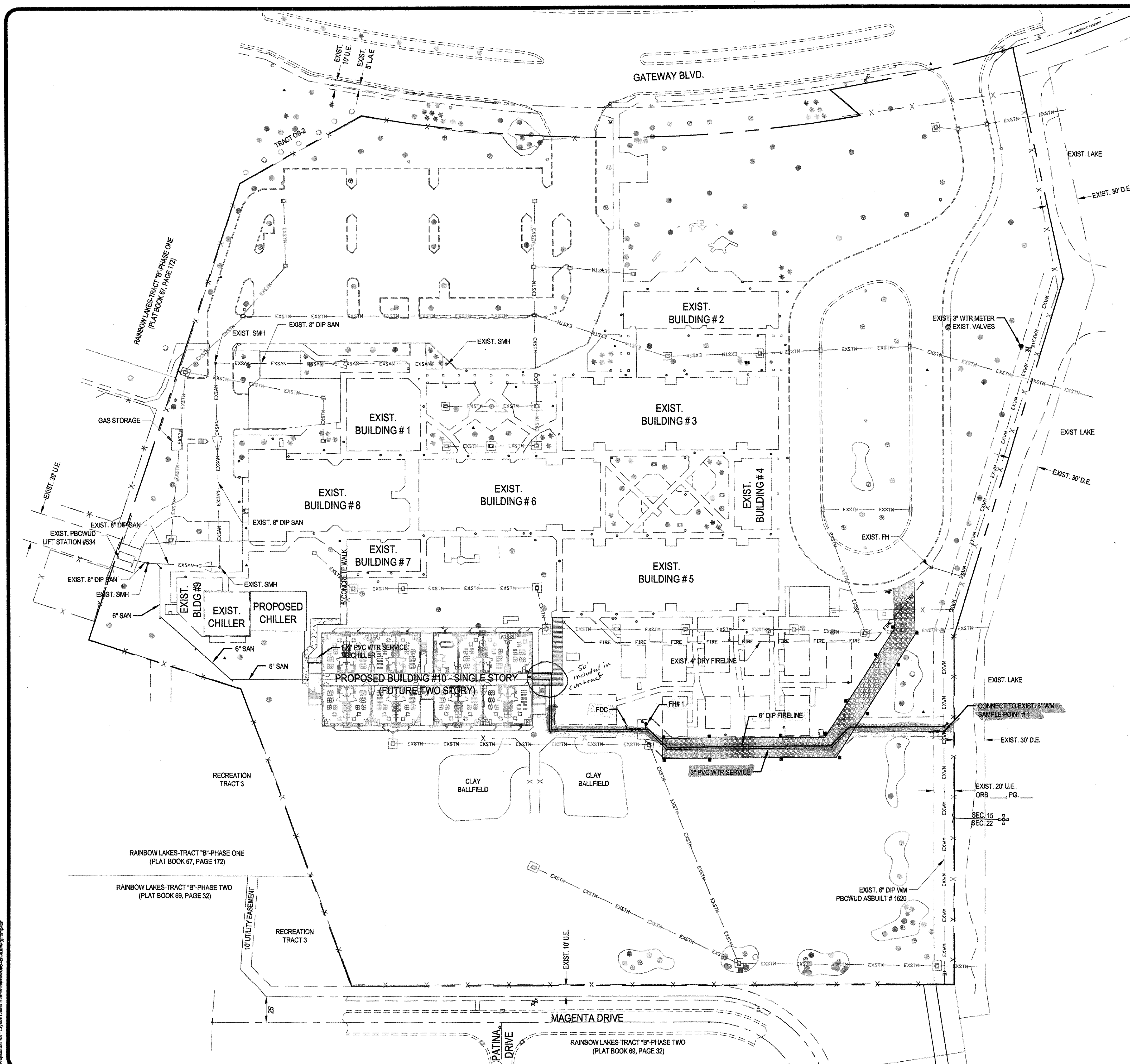
MASTER DRAINAGE PLAN
CRYSTAL LAKES ELEMENTARY SCHOOL
 BOYNTON BEACH, FLORIDA

NO.	REVISION DESCRIPTION	DATE

CDI PROJECT NO.
06148
 DATE: 6/23/06
 DESIGNED: JT
 DRAWN: CJ
 APPROVED BY:

 JUN 23 2006
 T. Jeff Trompeter, P.E.
 Florida License No. 51045

C2.0



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BOYNTON BEACH, FLORIDA 33437
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LEGEND

EXISTING WATERMAIN	— EXVM — EXVM — EXVM —
EXISTING SANITARY SEWER	— EXSAN — EXSAN — EXSAN —
EXISTING STORM DRAINAGE	— EXSTH — EXSTH — EXSTH —
PROPOSED RAINWATER LEADER W/ ROOF DRAIN & CLEANOUT	
PROPOSED SANITARY SEWER LATERAL W/ CLEANOUT	
PROPOSED WATERMAIN W/ FIRE HYDRANT ASSEMBLY	
EXISTING TREE	
EXISTING LIGHT POLE	
UTILITY EASEMENT	U.E.
DRAINAGE EASEMENT	D.E.

NOTES:

1. PRIOR TO CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY (ELEVATION & LOCATION) ALL EXISTING UTILITIES. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONTINUATION OF WORK.
2. ALL SANITARY SEWER SHALL BE P.V.C. SDR 26 (UNLESS OTHERWISE NOTED).
3. ALL WATER MAINS & FORCE MAINS SHALL BE P.V.C. (C-900) UNLESS OTHERWISE NOTED.
4. FIRE HYDRANTS SHALL BE LOCATED A MINIMUM OF 7' AND A MAXIMUM OF 12' FROM EDGE OF PAVEMENT.
5. VALVES SHALL NOT BE PLACED IN CURBS.
6. ALL WATER AND SANITARY SERVICES SHALL BE CONSTRUCTED A MINIMUM OF 5' FROM DRAINAGE STRUCTURES.
7. MAGNETIC TAPE IS REQUIRED FOR ALL WATER & FORCE MAINS AND SHALL BE 6" WIDE, IMPRINTED WITH 2" HIGH LETTERING READING "CAUTION - WATER MAIN BURIED BELOW" OR "CAUTION - FORCE MAIN BURIED BELOW", AS REQUIRED.
8. RECORD DRAWINGS MUST HAVE DATA FOR TAP AND METER LOCATIONS FOR ALL NON-PERPENDICULAR WATER MAIN SERVICES.
9. PRESSURE TESTING AND CERTIFICATION SHALL FOLLOW PALM BEACH COUNTY WATER UTILITIES DEPARTMENT MINIMUM ENGINEERING AND CONSTRUCTION STANDARDS LATEST EDITION 2006.
10. ALL WATER MAINS TO CROSS OVER SANITARY SEWER SERVICES, WHERE 18" MINIMUM CLEARANCE CANNOT BE MAINTAINED, 20 LINEAR FEET OF DUCTILE IRON WATERMAIN SHALL BE CENTERED ON THE CROSSING AND THE SEWER SERVICE SHALL BE C-900, SDR-18. IN NO CASE SHALL THERE BE LESS THAN 6" CLEARANCE.
11. ALL WATER MAIN PIPE, INCLUDING FITTINGS, INSTALLED ON OR AFTER AUGUST 28, 2003, EXCEPT PIPE INSTALLED UNDER A CONSTRUCTION PERMIT FOR WHICH THE DEPARTMENT RECEIVED A COMPLETE APPLICATION BEFORE AUGUST 28, 2003, SHALL BE COLOR CODED OR MARKED USING BLUE AS A PREDOMINANT COLOR TO DIFFERENTIATE DRINKING WATER FROM RECLAIMED OR OTHER WATER. UNDERGROUND PLASTIC PIPE SHALL BE SOLID-WALL BLUE PIPE, SHALL HAVE A CO-EXTRUDED BLUE EXTERNAL SKIN, OR SHALL BE WHITE OR BLACK WITH BLUE STRIPES INCORPORATED INTO, OR APPLIED TO, THE PIPE WALL; AND UNDERGROUND METAL OR CONCRETE PIPE SHALL HAVE BLUE STRIPES APPLIED TO THE PIPE WALL. PIPE STRIPES DURING MANUFACTURING OF THE PIPE SHALL HAVE CONTINUOUS STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE, THAT ARE LOCATED AT NO GREATER THAN 90 DEGREE INTERVALS AROUND THE PIPE, AND THAT WILL REMAIN INTACT DURING AND AFTER INSTALLATION OF THE PIPE. IF TAPE OR PAINT IS USED TO STRIPE PIPE DURING INSTALLATION OF THE PIPE, THE TAPE OR PAINT SHALL BE APPLIED IN A CONTINUOUS LINE THAT RUNS PARALLEL TO THE AXIS OF THE PIPE AND THAT IS LOCATED ALONG THE TOP OF PIPE; FOR PIPES WITH AN INTERNAL DIAMETER OF 24 INCHES OR GREATER, TAPE OR PAINT SHALL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE AS WELL AS ALONG THE TOP OF THE PIPE. ABOVEGROUND PIPE AT DRINKING WATER TREATMENT PLANTS SHALL BE COLOR CODED AND LABELED IN ACCORDANCE WITH SUBSECTION 62-555.320(10), F.A.C., AND ALL OTHER ABOVEGROUND PIPE SHALL BE PAINTED BLUE OR COLOR CODED OR MARKED LIKE UNDERGROUND PIPE.

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MASTER POTABLE WATER & SANITARY SEWER PLAN
CRYSTAL LAKES ELEMENTARY SCHOOL
BOYNTON BEACH, FLORIDA

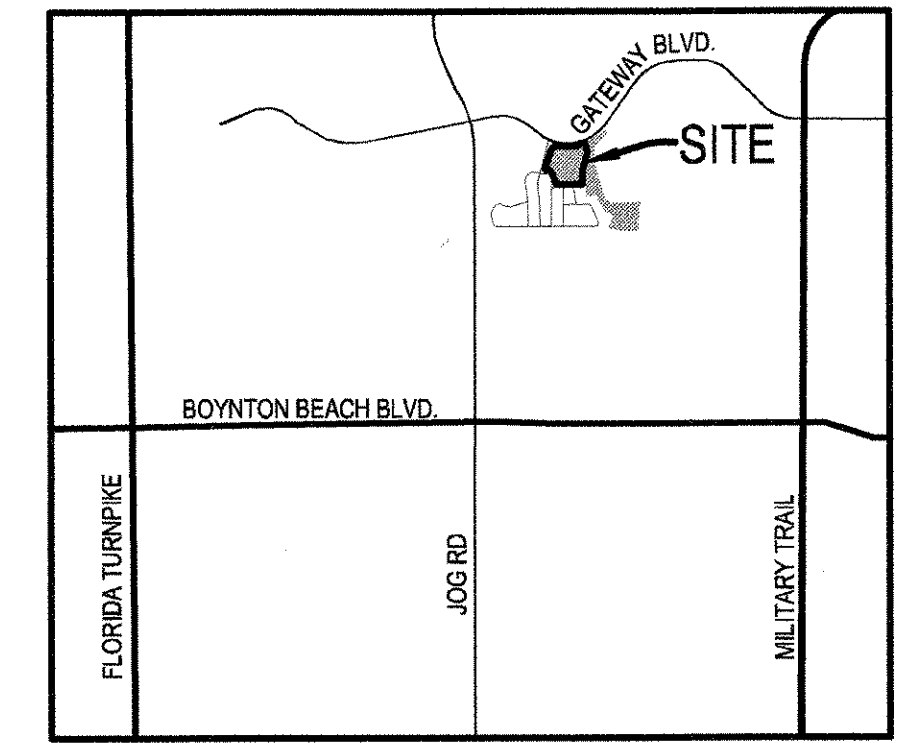
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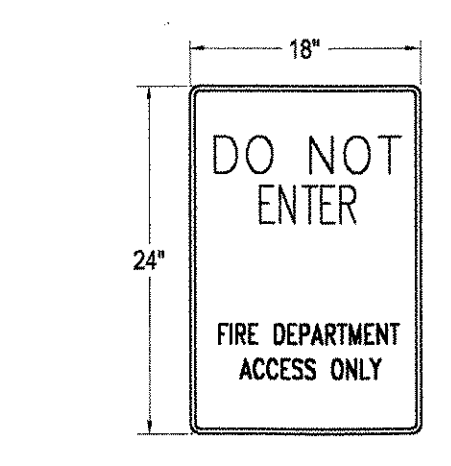
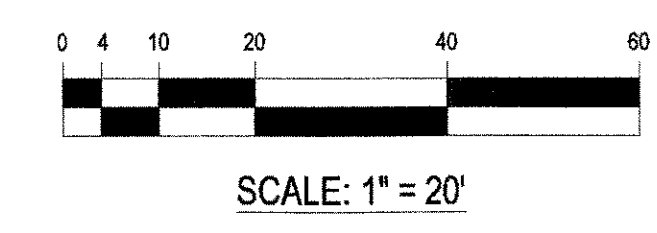
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PBCWUD #06-TBD

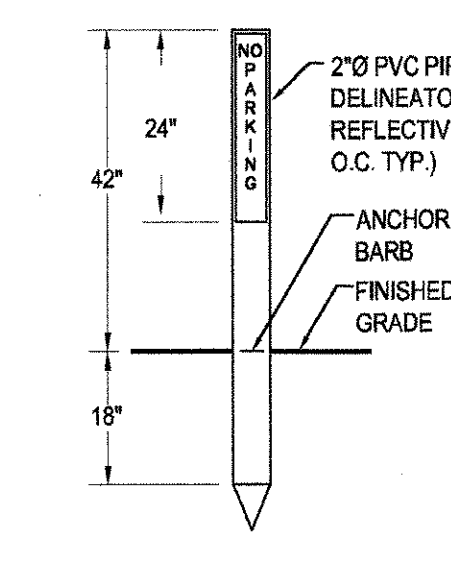
POTABLE WATER & SANITARY SEWER PLAN
CRYSTAL LAKES ELEMENTARY SCHOOL
BOYNTON BEACH, FLORIDA



6050 GATEWAY BLVD.
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LOCATION MAP
N.T.S.



FIRE ACCESS DRIVE SIGN
N.T.S.



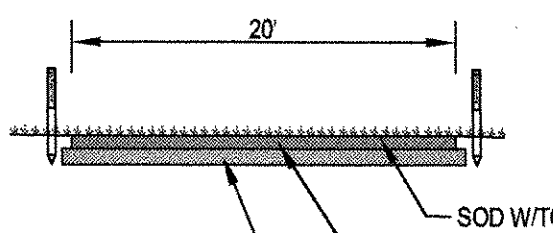
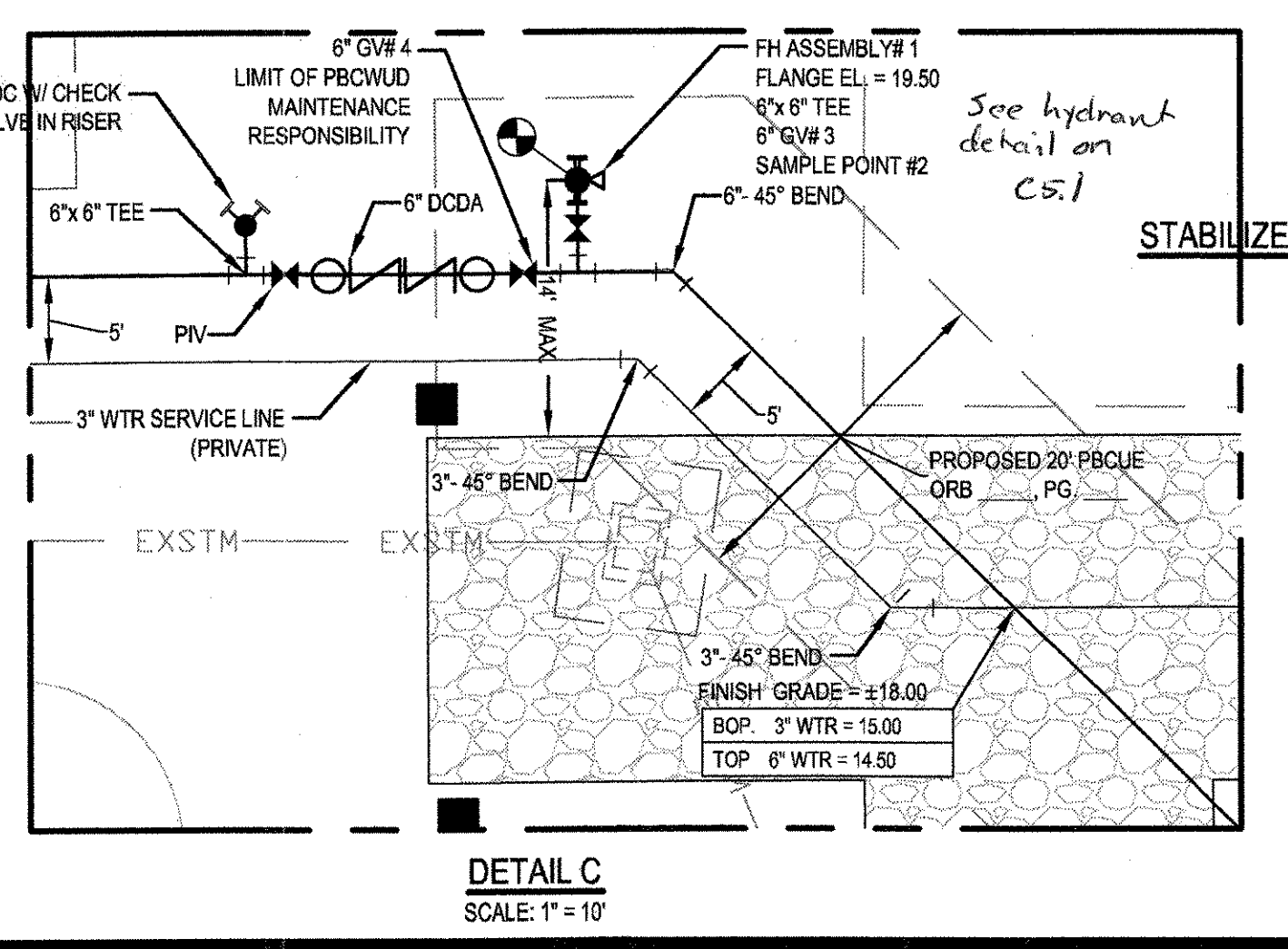
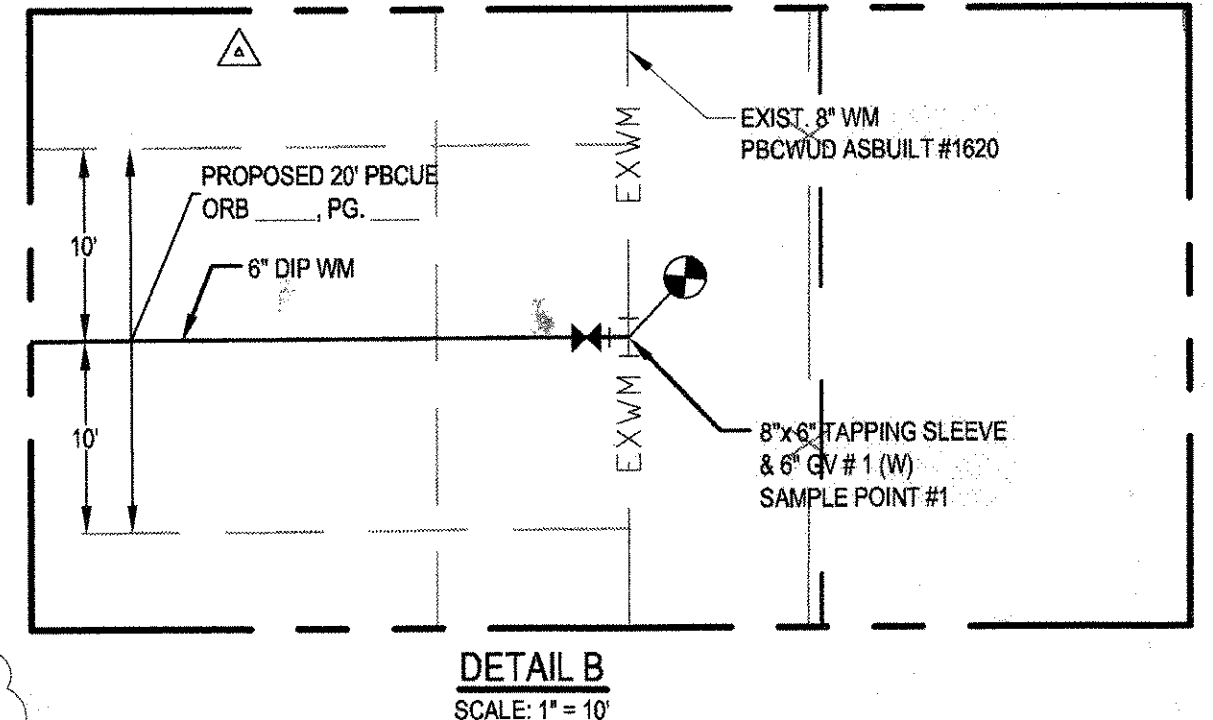
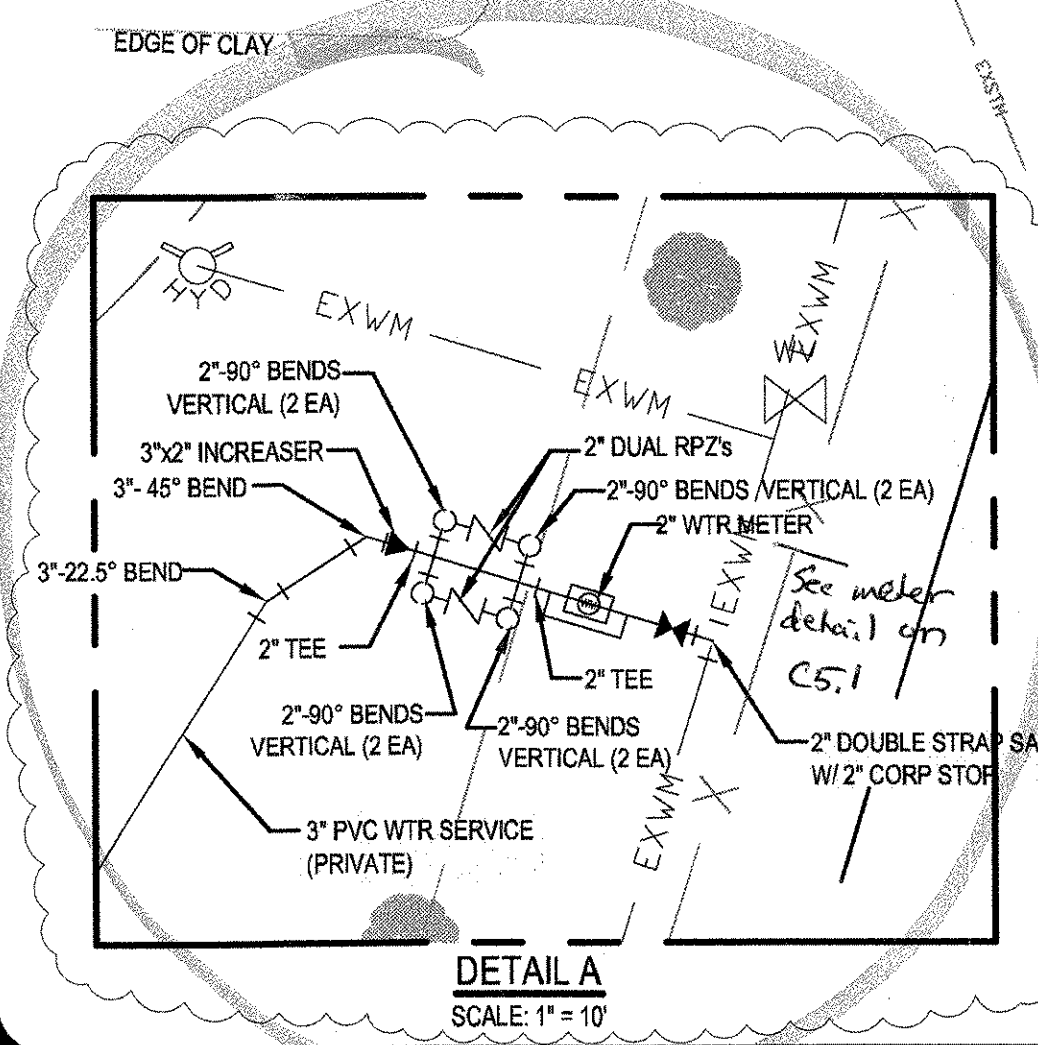
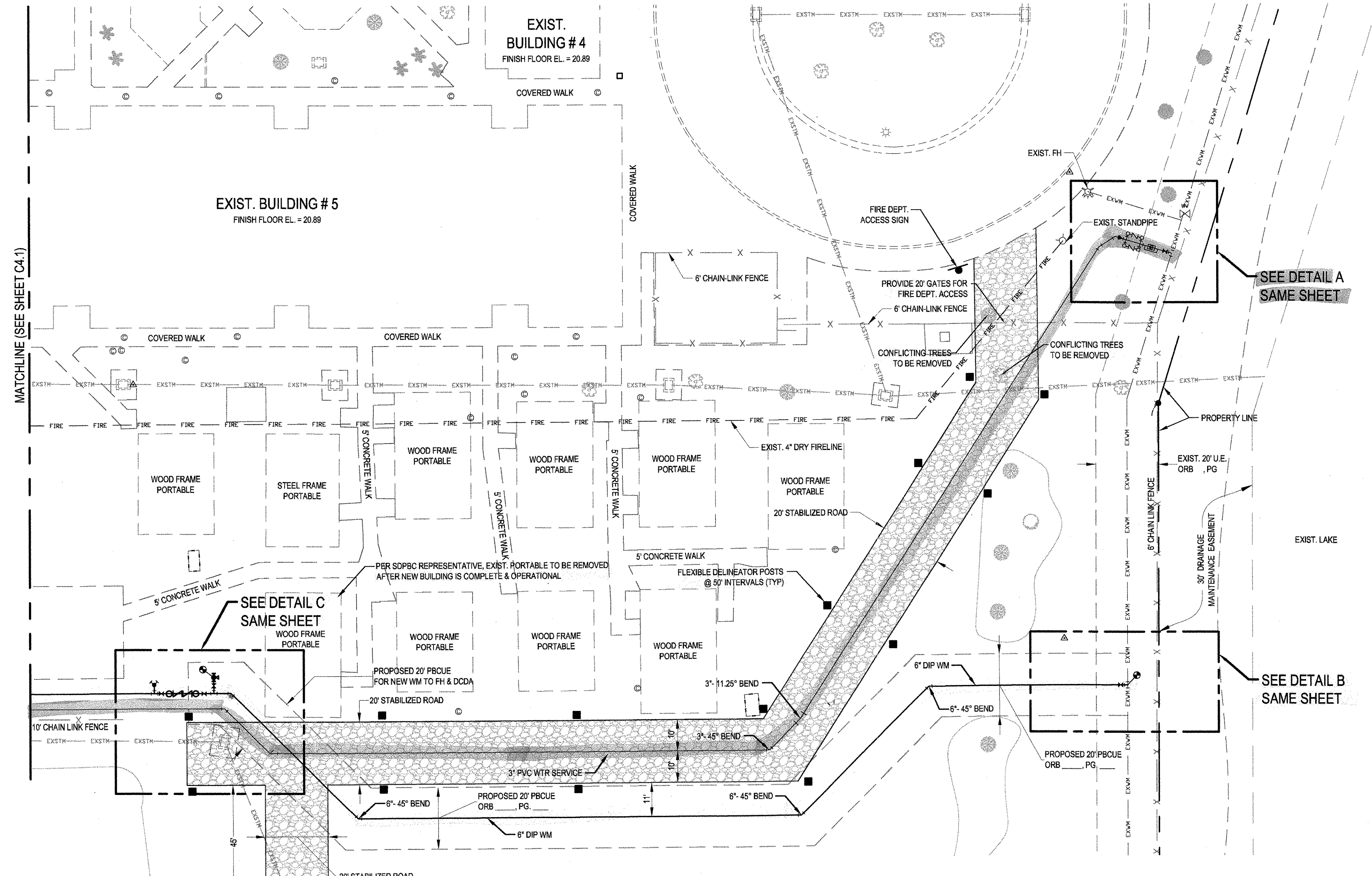
PROVIDE ON BOTH SIDES OF ACCESS ROAD
EMERGENCY ACCESS DELINEATOR
N.T.S.

LEGEND

EXISTING WATERMAIN	EXWM	EXWM	EXWM
EXISTING SANITARY SEWER	EXSAN	EXSAN	EXSAN
EXISTING STORM DRAINAGE	EXSTH	EXSTH	EXSTH
PROPOSED RAINWATER LEADER W/ ROOF DRAIN & CLEANOUT			
PROPOSED SANITARY SEWER LATERAL W/ CLEANOUT			
PROPOSED WATERMAIN W/ FIRE HYDRANT ASSEMBLY			
PROPOSED PAVEMENT			
PROPOSED SIDEWALK			
EXISTING TREE			
EXISTING LIGHT POLE			
UTILITY EASEMENT	U.E.		
PALM BEACH COUNTY UTILITY EASEMENT	PBCUE		
DRAINAGE EASEMENT	D.E.		
RAINWATER LEADER	RWL		

NOTES:

- ALL ELEVATIONS REFER TO NGVD '29.
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PBCWUD #06-151

NO.	DATE	REVISION/DESCRIPTION
1	6/30/06	PBCFR COMMENTS
2	8/4/06	PBCFR COMMENTS
3	10/6/06	SDPRC BLDG DEPT COMMENTS

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