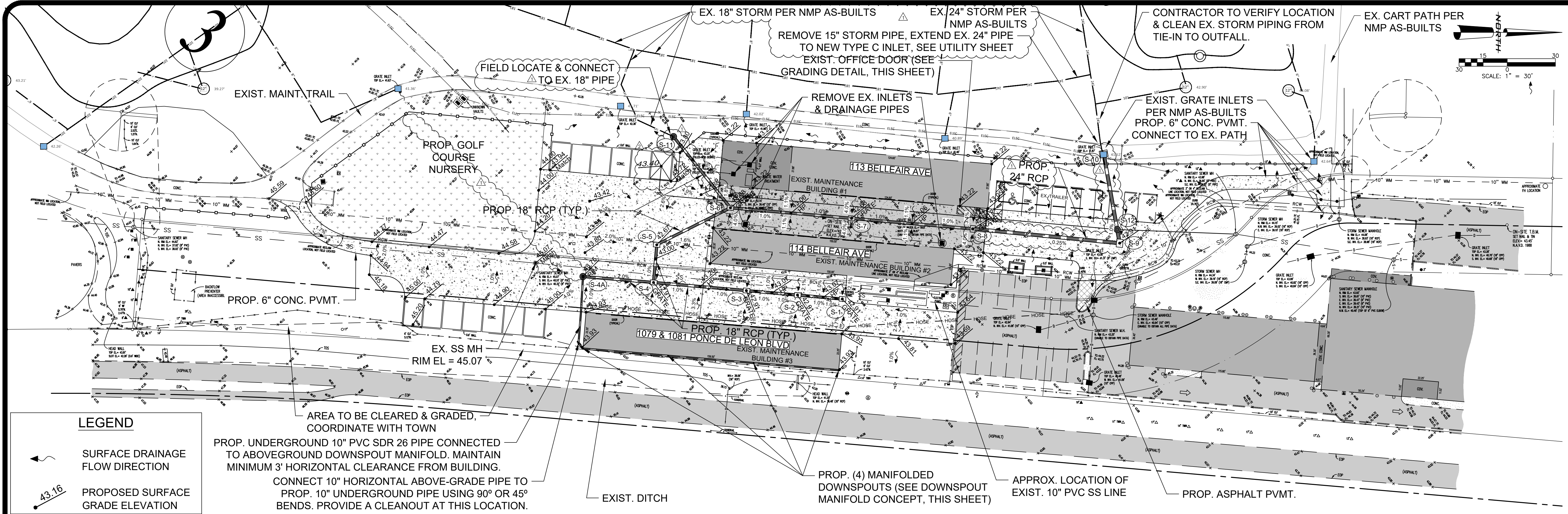


File: R:\Projects\Harrod The Pelican\Plans\Maintenance\Maintenance Set, Plotted: 7/13/2019 11:08 AM by MICHAEL KNIGHT, Saved: 7/13/2019 11:06 AM by MICHAEL



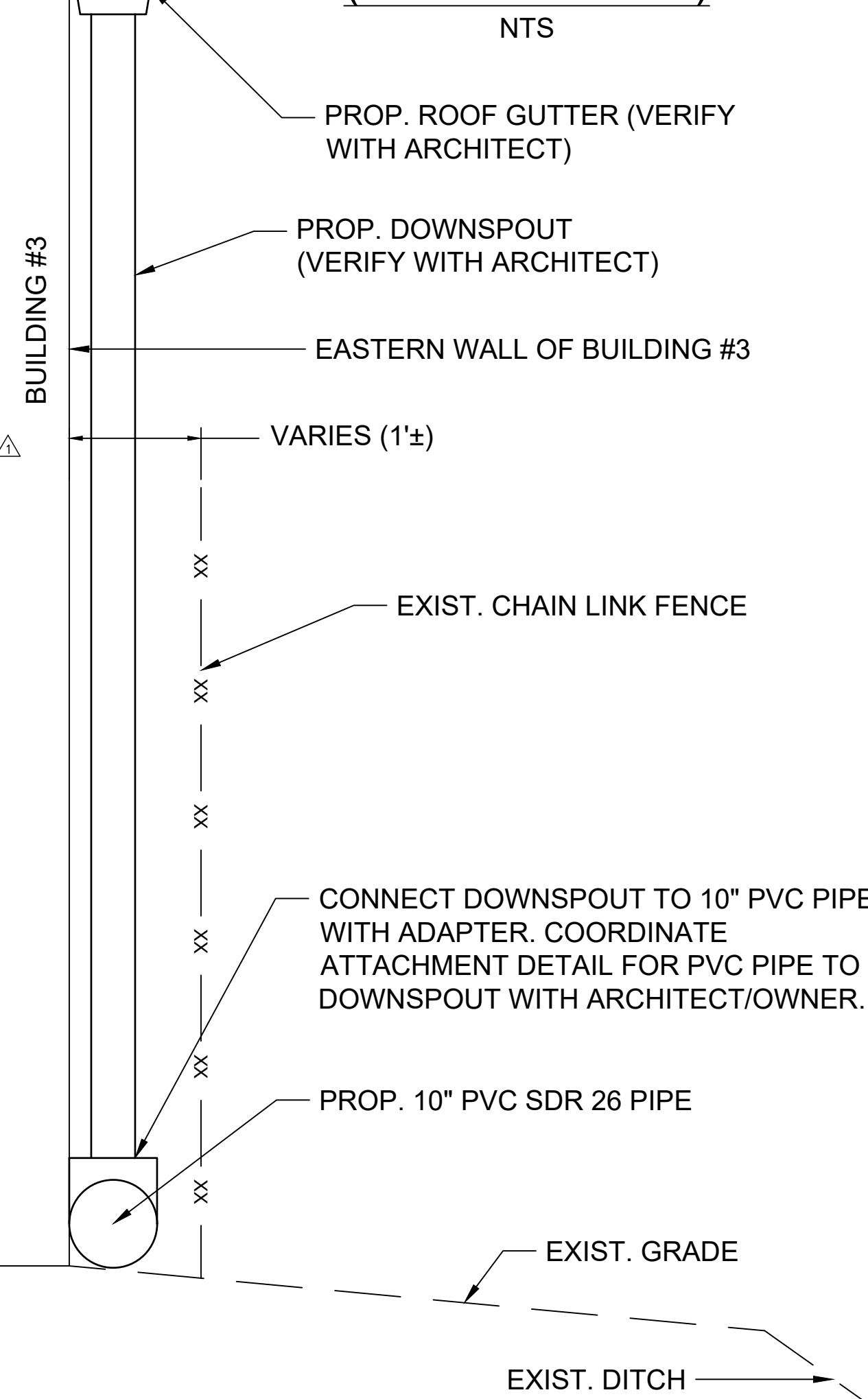
DRAINAGE STRUCTURES TABLE

STRUCTURE NUMBER	LOCATION		BASIN AREA (AC)	STRUCTURE TYPE		TOP EL.	OUTFLOW FLOW LINE	STORM DRAIN PIPE (LF)	
	NORTHING	EASTING		INLET TYPE	MH TYPE			18"	24"
1	1309190.1	397572.4	0.095	C		42.91	38.16	28	
2	1309162.2	397570.0	0.043	C		42.91	38.02	32	
3	1309130.3	397567.3	0.059	C		42.91	37.86	58	
4A	1309028.6	397558.4	N/A		4' P	43.75	39.51	44	
4	1309072.6	397562.1	0.159	C		42.91	37.57	24	
5	1309074.5	397538.7	0.134	C		42.67	37.45	52	
6	1309120.4	397515.6	0.096	C		42.68	37.19	76	
7	1309158.3	397518.9	0.091	C		42.68	36.81	76	
8	1309195.8	397522.2	0.170	C		42.68	36.42		92
9	1309362.8	397537.7	0.050	D		42.91	37.10		12
10	1309353.1	397483.4	0.170	C		41.90	36.90		8
11	1309084.9	397471.3	N/A		4' P	43.50	MATCH	55	
12	1309360.7	397525.6	N/A		4' P	43.00	37.05		44

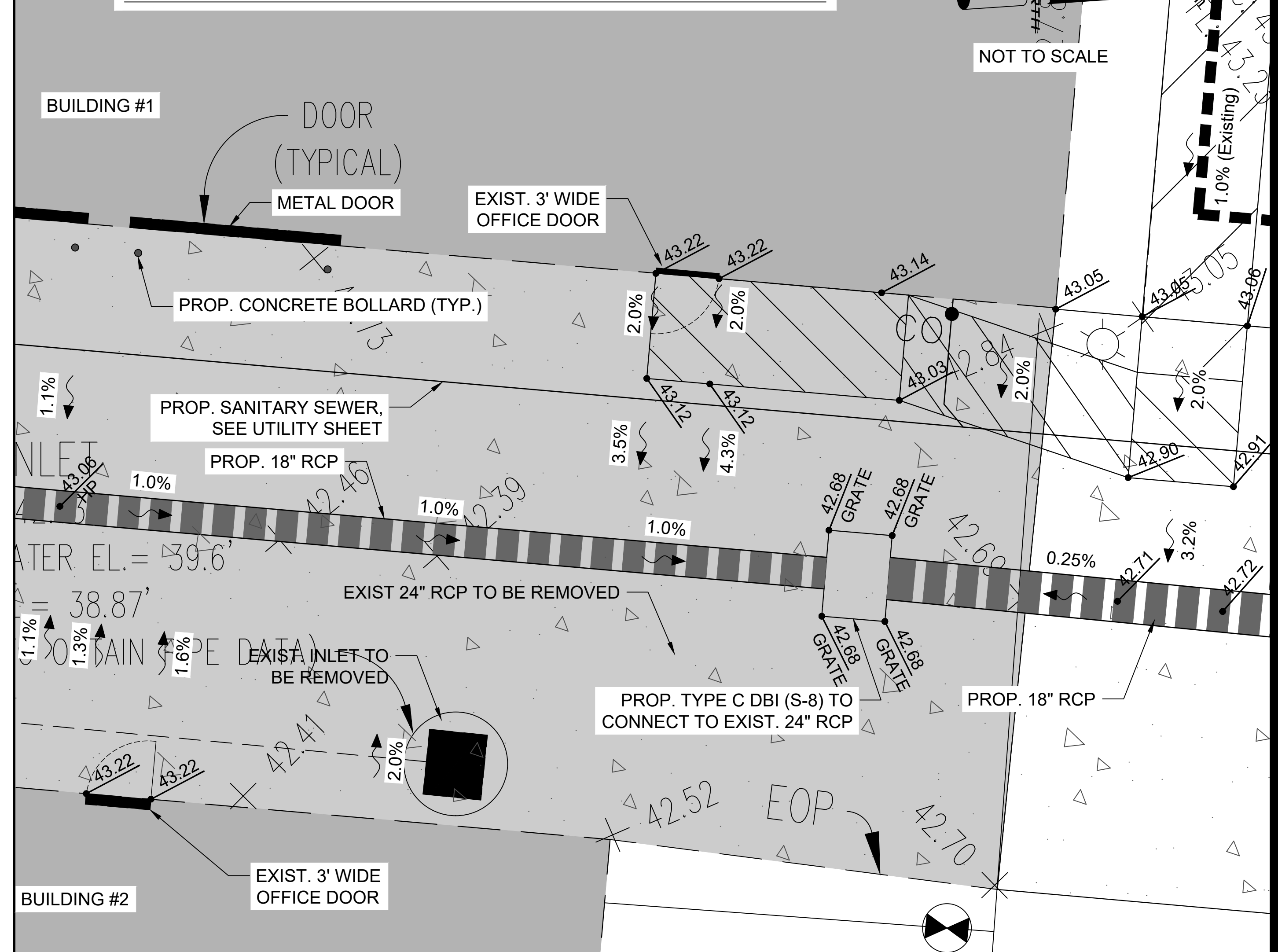
NOTES:

- CLEAN AND DESILT EXISTING DRAINAGE PIPES AND STRUCTURES THAT ARE TO REMAIN.
- FIELD-LOCATE EXISTING SANITARY SEWER LINE. ADVISE ENGINEER OF CONFLICTS.
- FIELD-LOCATE EXISTING RECLAIMED WATER LINE. ADVISE ENGINEER OF CONFLICTS.
- DOWNSPOUTS ON EASTERN SIDE OF BUILDING #3 ARE TO BE PIPED ABOVE GROUND ALONG THE EASTERN SIDE OF BUILDING (SEE PROPOSED DOWNSPOUT MANIFOLD CONCEPT, THIS SHEET) AND CONNECTED TO PROPOSED DRAINAGE SYSTEM VIA UNDERGROUND 10" PVC SDR 26 PIPE.
- ONLY MANIFOLDED DOWNSPOUTS ARE SHOWN ON THIS SHEET. COORDINATE WITH ARCHITECT FOR OTHER DOWNSPOUT LOCATIONS.
- REFER TO SITE AND PAVING PLAN FOR PROPOSED BOLLARD LOCATIONS.
- EXISTING INLETS IN WASHDOWN AREA ARE TO BE REMOVED. COORDINATE WITH ARCHITECT FOR LOCATIONS OF NEW FLOOR DRAINS AND CONNECT TO PROPOSED DRAINAGE SYSTEM.

ABOVEGROUND DOWNSPOUT MANIFOLD CONCEPT (SECTION VIEW) NTS



OFFICE DOOR ENTRANCE ADA GRADING DETAIL

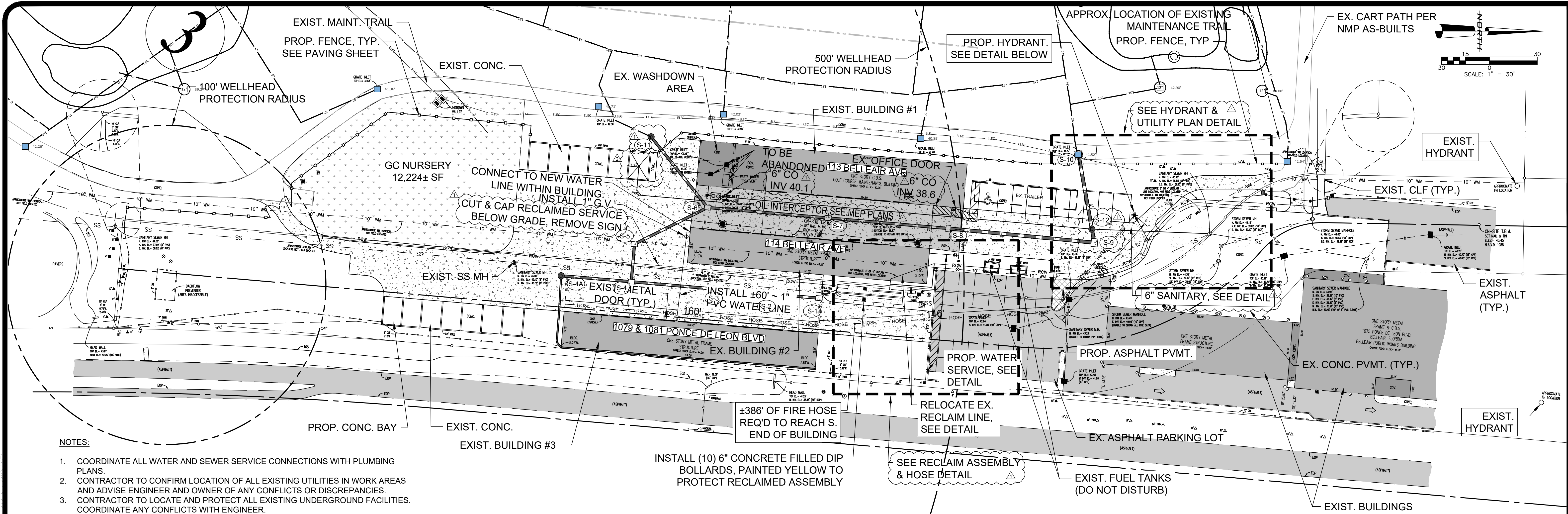


GRADING AND DRAINAGE PLAN

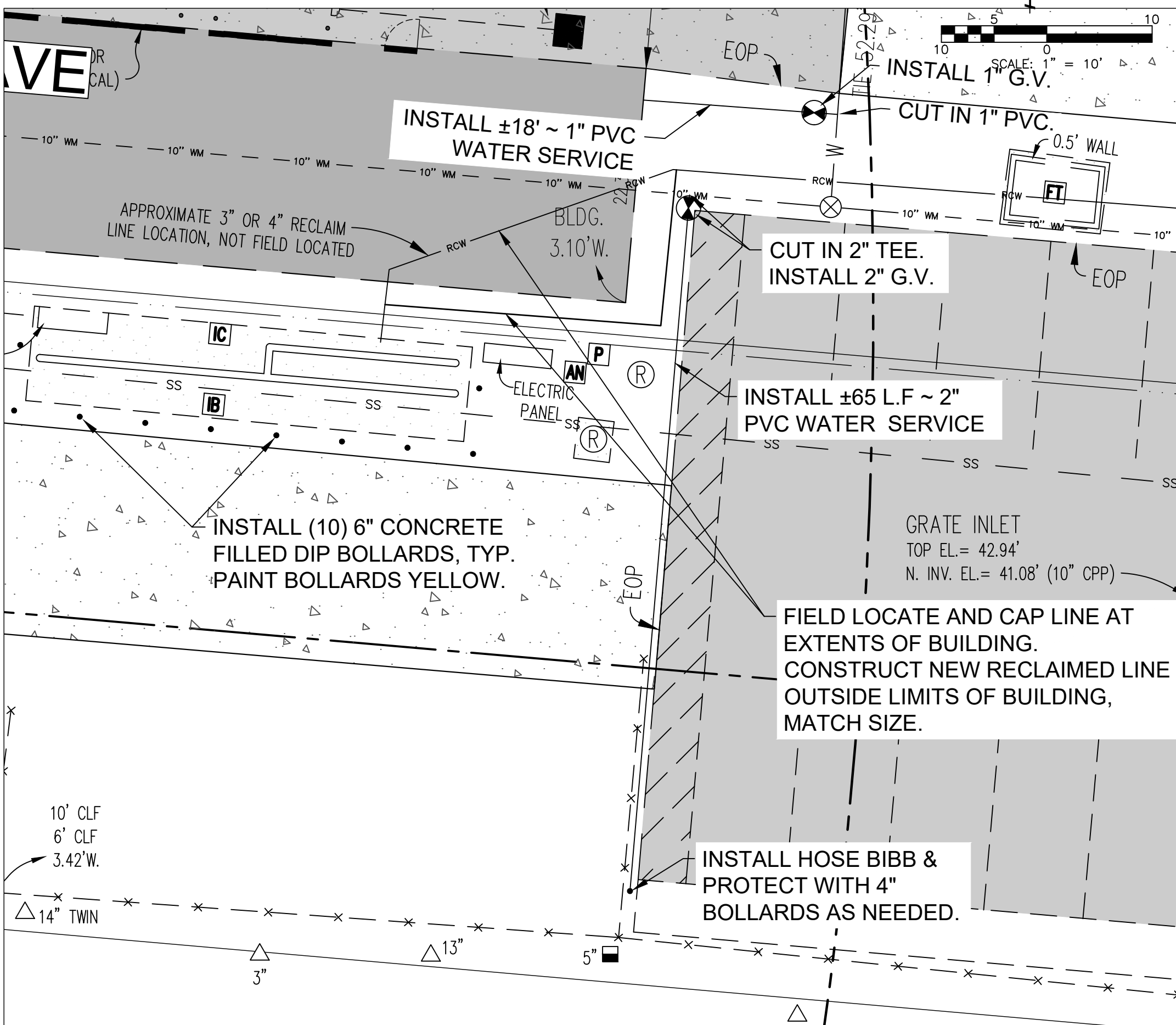
PELICAN GOLF CLUB
MAINTENANCE AREA
HARROD PROPERTIES, INC. - SUITE 550
5550 WEST EXECUTIVE DRIVE, TAMPA, FLORIDA 33608

AUTORA
CIVIL ENGINEERING, INC.
610 E. Morgan Street Brandon, FL 33510 (813)643-9807

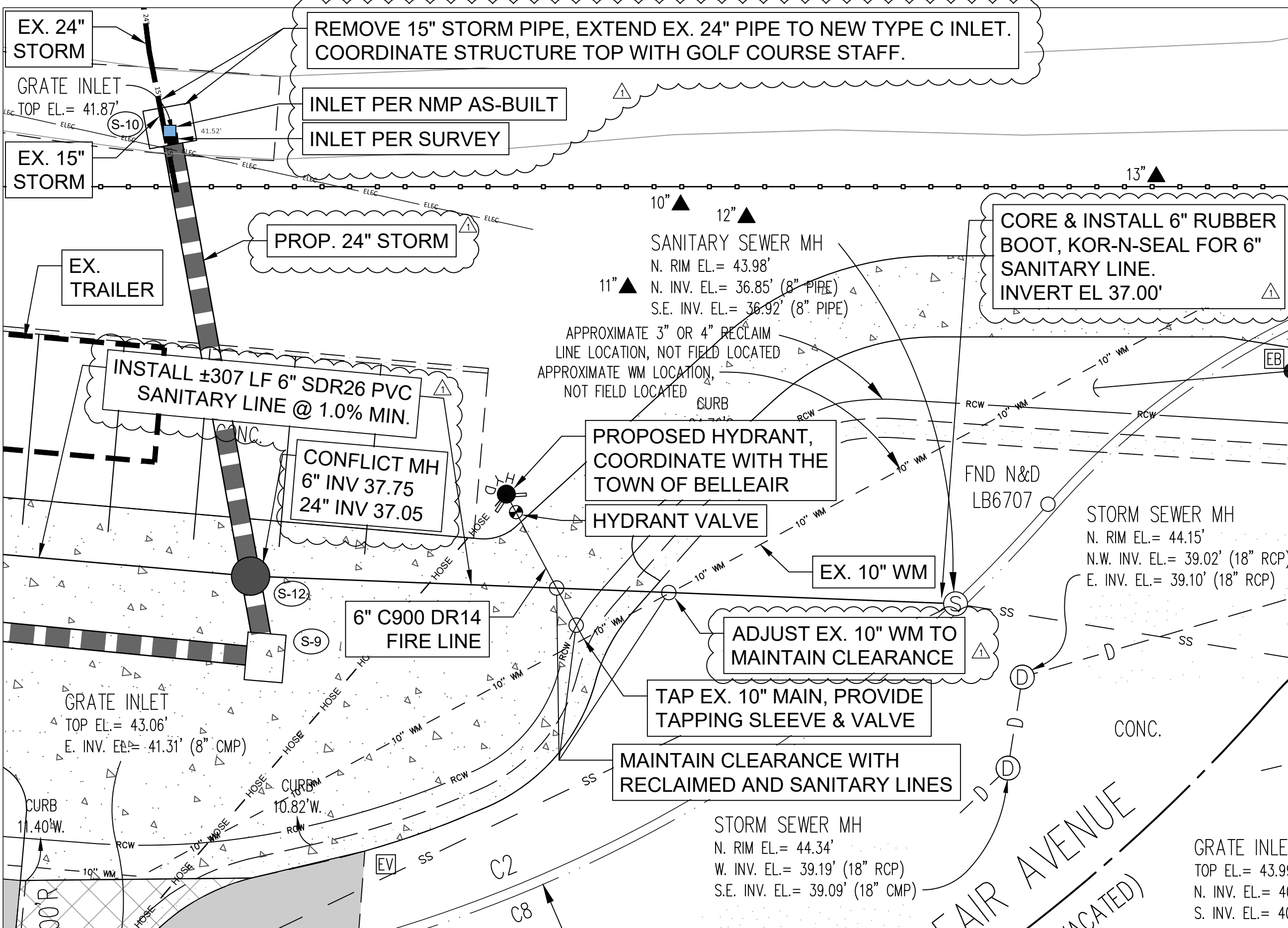
THIS PLAN HAS BEEN ELECTRONICALLY
CHECKED AND APPROVED BY THE
ENGINEER OF RECORD FOR THE
STATE OF FLORIDA.
I, MICHAEL KNIGHT, P.E.,
AM A LICENSED PROFESSIONAL ENGINEER
IN THE STATE OF FLORIDA.
MY LICENSE NO. IS 35446
DATE OF EXPIRATION IS 12/31/2024
I CERTIFY THAT I AM THE ENGINEER OF RECORD
FOR THIS PROJECT AND I HAVE REVIEWED
AND APPROVED THIS PLAN.
MICHAEL KNIGHT
4-19-2019
19-174



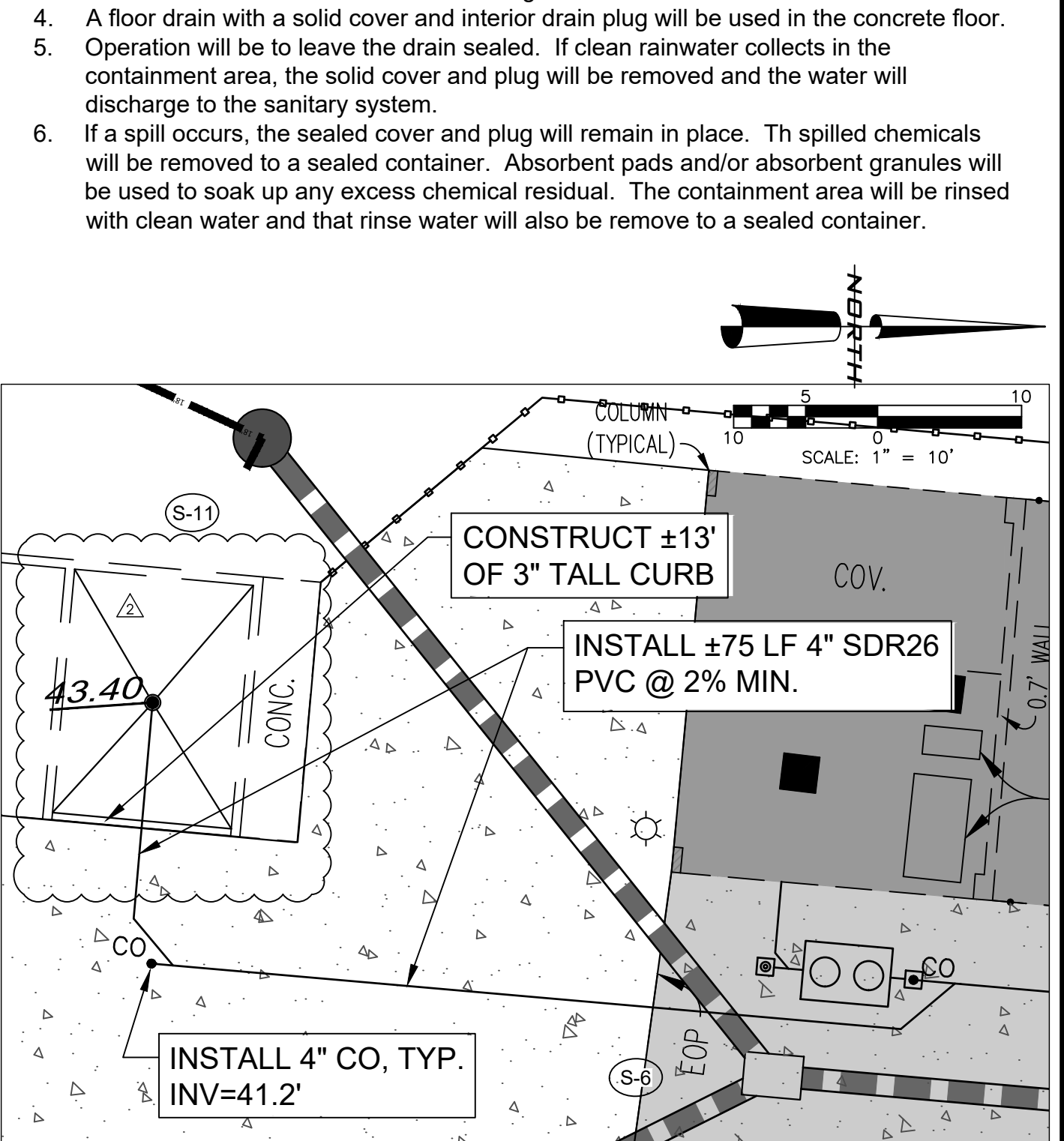
- NOTES:
- COORDINATE ALL WATER AND SEWER SERVICE CONNECTIONS WITH PLUMBING PLANS.
 - CONTRACTOR TO CONFIRM LOCATION OF ALL EXISTING UTILITIES IN WORK AREAS AND ADVISE ENGINEER AND OWNER OF ANY CONFLICTS OR DISCREPANCIES.
 - CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING UNDERGROUND FACILITIES. COORDINATE ANY CONFLICTS WITH ENGINEER.
 - ALL PROPOSED LINES TO HAVE A MINIMUM OF 36" COVER.
 - ALL PROPOSED WATER LINES AND SERVICES SHALL HAVE TRACER WIRE INSTALLED NO MORE THAN 6" ABOVE PIPE.
 - ALL DISTURBED AREAS WITHIN ANY RIGHT-OF-WAY SHALL BE RESTORED TO EXISTING CONDITIONS PRIOR TO CONSTRUCTION. ALL DISTURBED AREAS ARE TO BE SODDED.



RECLAIM ASSEMBLY & HOSE BIBB DETAIL



HYDRANT & UTILITY PLAN



CHEMICAL STORAGE AREA PLAN

- CONTAINMENT NOTES:
- Chemical storage bins will be located under a proposed roof.
 - New concrete floor will be poured in the existing storage bin interior.
 - A curb will be placed on the entry side at an elevation required to provide containment should one or more of the chemical storage tanks leak.
 - A floor drain with a solid cover and interior drain plug will be used in the concrete floor.
 - Operation will be to leave the drain sealed. If clean rainwater collects in the containment area, the solid cover and plug will be removed and the water will discharge to the sanitary system.
 - If a spill occurs, the sealed cover and plug will remain in place. Th spilled chemicals will be removed to a sealed container. Absorbent pads and/or absorbent granules will be used to soak up any excess chemical residual. The containment area will be rinsed with clean water and that rinse water will also be remove to a sealed container.

UTILITY PLAN

PELICAN GOLF CLUB
MAINTENANCE AREA

AUTORA
ENGINEERING, INC.

610 E. Morgan Street Brandon, FL 33510 (813)643-9807

DATE: 4-19-2019
DRAWN BY: MICHAEL KNIGHT
CHECKED BY: CHRIS MEDALE
JOB NO.: 19-174

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