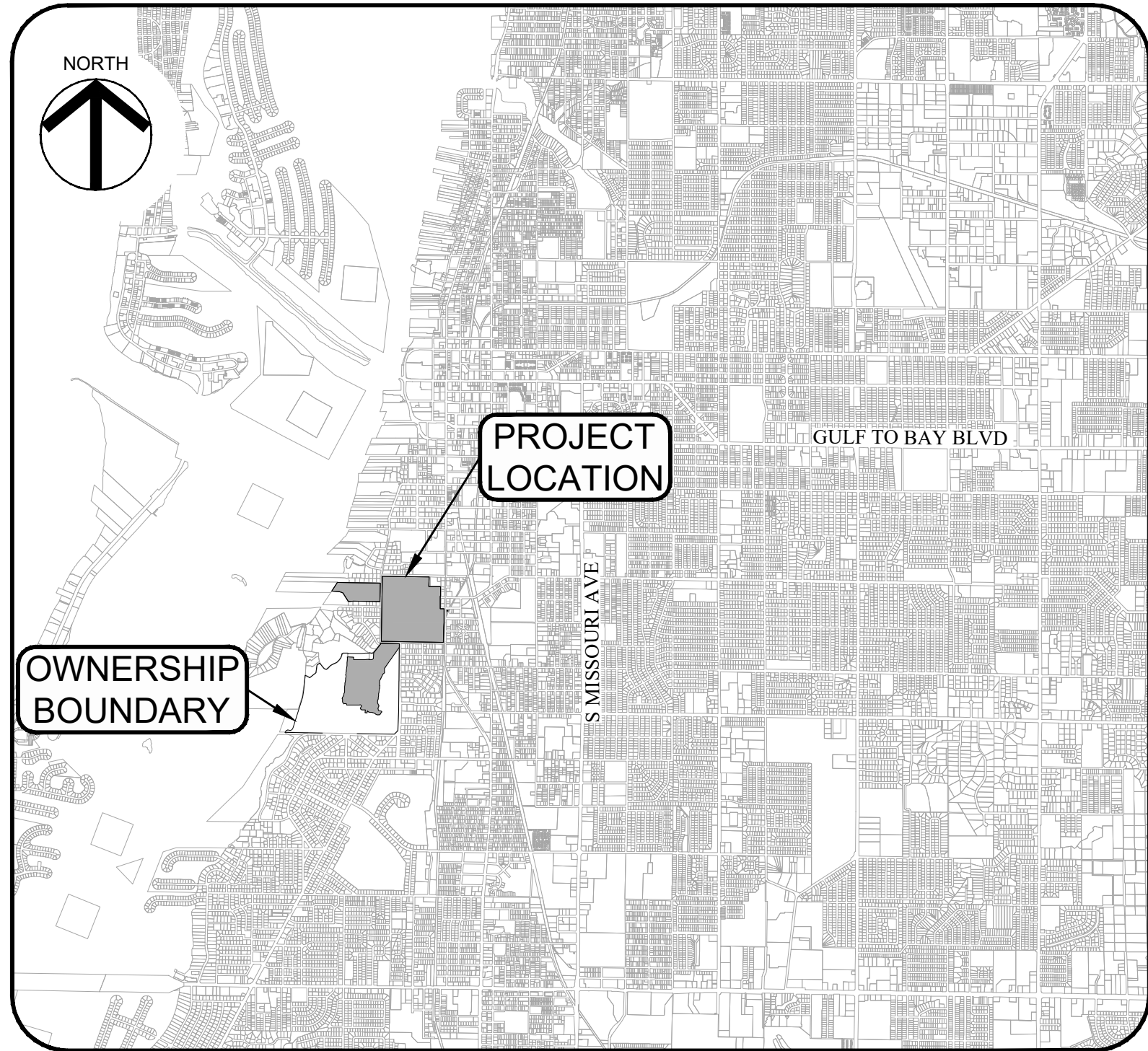


CONSTRUCTION PLANS FOR:

BELLEAIR COUNTRY CLUB EAST COURSE RENOVATION

PARTS OF SECTIONS 21, TOWNSHIP 29 SOUTH, RANGE 15 EAST
PINELLAS COUNTY, FLORIDA
MODIFICATION TO ERP NO. 43019267.001

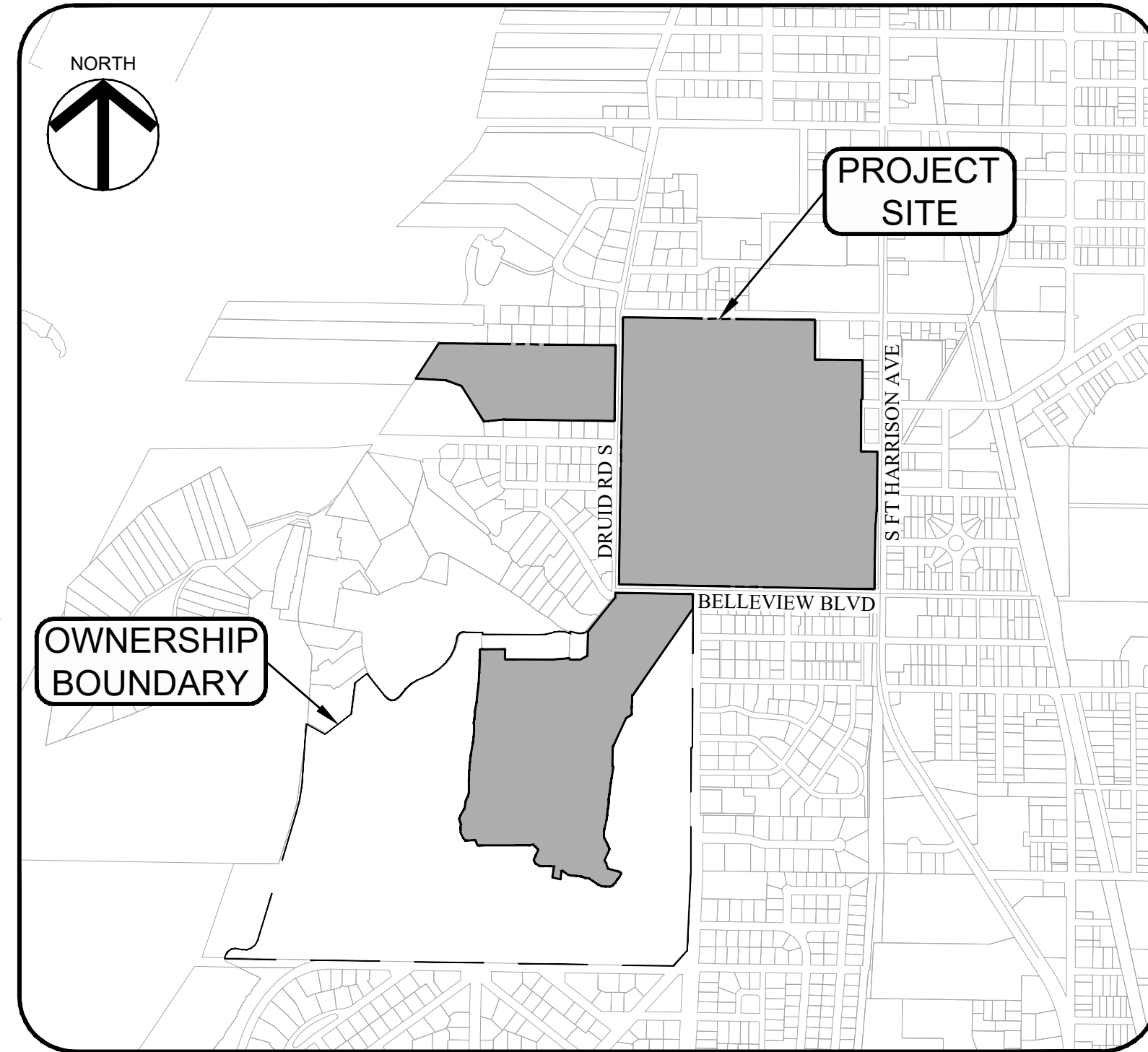


PROJECT LOCATION MAP

NO SCALE

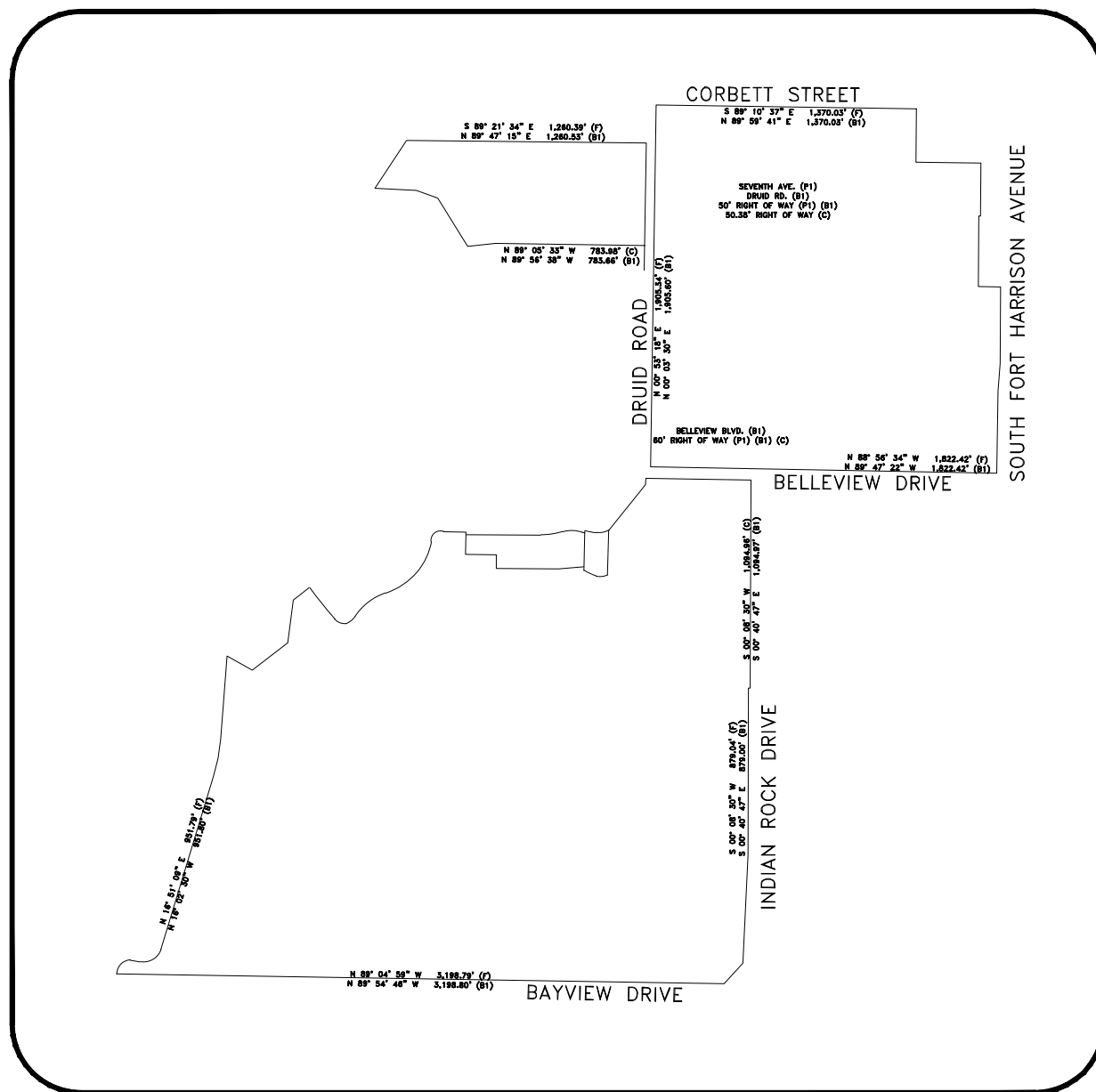
Sheet Number	Sheet Title
C000	COVER SHEET
C010	GENERAL NOTES
C011	LEGAL DESCRIPTION
C100	AERIAL SITE PLAN
C105	EXISTING CONDITIONS
C110	EXISTING CONDITIONS & DEMO PLAN
C111	EXISTING UTILITY DEMO PLAN
C200	MASTER SITE PLAN
C300	MASTER GRADING PLAN
C301	GRADING PLAN 1
C302	GRADING PLAN 2
C303	GRADING PLAN 3
C400	MASTER UTILITY PLAN
C401	UTILITY PLAN - SHEET 1
C501	PLAN AND PROFILE - SHEET 1
C502	PLAN AND PROFILE - SHEET 2
C503	PLAN AND PROFILE - SHEET 3
C504	PLAN AND PROFILE - SHEET 4
C505	PLAN AND PROFILE - SHEET 5
C506	PLAN AND PROFILE - SHEET 6
C507	PLAN AND PROFILE - SHEET 7
C600	CROSS SECTIONS
C601	CROSS SECTIONS
C602	CROSS SECTIONS
C700	PAVING, GRADING, AND DRAINAGE DETAIL 1
C701	PAVING, GRADING, AND DRAINAGE DETAIL 2
C720	CONTROL STRUCTURE DETAILS
C741	UTILITY DETAILS - SHEET 1
C900	BEST MANAGEMENT PRACTICES
C910	BMP DETAIL

PROPERTY INFORMATION	
PARCEL ID	21-29-15-06480-000-0100
ZONING	RPD
FIRM PANEL NOS.	12103C0108J
FIRM EFFECTIVE DATE	08/24/2021
FLOOD ZONE	AE & X
PROJECT AREA (SF)	±5,743,465
PROJECT AREA (AC)	±131.85



PROJECT SITE MAP

NO SCALE



PROPERTY METES AND BOUNDS

NO SCALE

REFER TO SHEET 41 OF SURVEY PREPARED BY
MCKIM AND CREED AND DATED MARCH 2018

VERTICAL ELEVATIONS BASED ON: NAVD-88

LEGAL DESCRIPTION

REFER TO SHEET C011 FOR THE COMPLETE LEGAL DESCRIPTION.

DEVELOPED BY:

BELLEVUE BILTMORE COUNTRY CLUB CORP

ADDRESS:
1 COUNTRY CLUB LANE BELLEAIR, FLORIDA 33756
PHONE: (727) 461-7171
CHIEF OPERATING OFFICER: EDWARD SHAUGHNESSY



CONSTRUCTION PLANS FOR:

BELLEAIR COUNTRY CLUB - EAST COURSE RENOVATION

CLIENT: BELLEAIR COUNTRY CLUB

COVER SHEET

PLAN REVISIONS		REVISIONS
NO.	DATE	DESCRIPTION
1	7/19/2025	REVISIONS BASED ON TOWN OF BELLEAIR INITIAL COMMENTS
2	8/22/2025	REVISIONS BASED ON TOWN OF BELLEAIR COMMENTS
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FLORIDA CERTIFICATE OF AUTHORIZATION #8636

Digitally signed
by Ryan W Powers
Date:
2025.11.04
09:26:36-05'00'

RYAN W. POWERS, P.E.
FL LICENSE NO. 82437

SET NUMBER: 23-008-044

SHEET: C000

GENERAL CONSTRUCTION NOTES

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN FROM THE ENGINEER OR OWNER A COPY OF ALL PERTINENT PERMITS RELATED TO THIS PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT ALL CONSTRUCTION ACTIVITIES ARE IN COMPLIANCE WITH THE CONDITIONS OF ALL PERMITS AND APPROVALS. CONTRACTOR IS ALSO RESPONSIBLE FOR HAVING HIS Dewatering Plan Approved by SWFWMD AS APPLICABLE.
2. ALL CONSTRUCTION, MATERIALS AND WORKSMANSHIP ARE TO BE IN ACCORDANCE WITH TOWN OF BELLEAIR LAND DEVELOPMENT CODE, DOT SPECIFICATIONS, AND FLORIDA BUILDING CODE, LATEST EDITIONS.
3. GRASS AND MULCH, OR SOILD SOIL, ALL AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION. IN THE PROPOSED RIGHTS-OF-WAY A 16" WIDE AREA BEHIND THE BACK OF CURB SHALL BE SOILD SOILED. THE REMANDER OF THE PROPOSED RIGHTS-OF-WAY TO BE SEEDED AND MULCHED IF THE SLOPE IS GREATER THAN 6:1.
4. IN ACCORDANCE WITH THE UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT (CHAPTER 556, F.S.) THE CONTRACTOR SHALL CALL THE SUNSHINE STATE ONE CALL OF FLORIDA (SSOCF) AT 1-800-432-4770 FORTY EIGHT (48) HOURS IN ADVANCE OF ANY EXCAVATION.
5. SOIL OBTAINED FROM ONSITE PIPE EXCAVATION SHALL BE REUSED FOR BACKFILL MATERIAL.
6. SOIDSEED & MULCH SHALL BE PLACED IN ACCORDANCE WITH APPLICABLE CITY/COUNTY STANDARDS AS WELL AS IN ACCORDANCE WITH STANDARD AND SPECIFIC CONDITIONS IN THE SWFWMD PERMIT IF APPLICABLE. AT A MINIMUM THIS SHALL INCLUDE SOIDING OF ALL POND EMBANKMENTS OF A SLOPE 4:1 OR GREATER, THE 10Y LINE, AS WELL AS SEEDING AND MULCHING OF THE BALANCE OF THE POND TRACTS (INCLUDING POND BERMS, EXCLUDING THE AREA BELONGING TO SOIDING AT A MINIMUM 10' FROM THE BACK OF CURB, AND SEEDING AND MULCHING OF ANY PROJECT AREA WITH A SLOPE OF 4:1 OR STEEPER.
7. SITE CLEARING SHALL BE PERFORMED PER THE APPROVED CONSTRUCTION PLANS AND IN ACCORDANCE WITH TOWN OF BELLEAIR LAND DEVELOPMENT CODE. INSTALLATION AND MAINTENANCE OF THE REQUIRED BARRICADING AND EROSION CONTROL SHALL BE THE RESPONSIBILITY OF THE SITE DEVELOPMENT CONTRACTOR UNLESS OTHERWISE DESIGNATED.
8. PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL EXPOSE ALL EXISTING UTILITY INVERTS TO WHICH A TIE-IN IS PROPOSED AND HAVE ENGINEER VERIFY THE ELEVATION AND ADEQUACY OF THESE INVERTS.
9. ALL SUBSURFACE CONSTRUCTION SHALL COMPLY WITH THE "TRENCH SAFETY ACT." THE CONTRACTOR SHALL ENSURE THAT THE METHOD OF TRENCH PROTECTION AND CONSTRUCTION IS IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS.
10. SILTATION ACCUMULATIONS GREATER THAN THE LESSER OF 12 INCHES OR ONE-HALF THE DEPTH OF THE SILTATION BARRIER SHALL BE IMMEDIATELY REMOVED AND PLACED IN USE AREAS.
11. DURING LAND ALTERATION AND CONSTRUCTION ACTIVITIES, IT SHALL BE UNLAWFUL TO REMOVE VEGETATION BY GRUBBING OR TO PLACE SOIL DEPOSITS, DEBRIS, SOLVENTS, CONSTRUCTION MATERIAL, MACHINERY OR OTHER EQUIPMENT OF ANY KIND WITHIN THE DRIP LINE OF A TREE TO REMAIN ON THE SITE UNLESS OTHERWISE APPROVED BY THE TOWN OF BELLEAIR.
12. ALL EROSION CONTROL INSTALLATION AND INSTALLATION COORDINATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL OBTAIN THE CONSTRUCTION APPROVAL AND MAINTENANCE OF THE EROSION CONTROL SHALL BE THE SOLE RESPONSIBILITY OF THE SITE CONTRACTOR.
13. DRAINAGE PLAN WAS BASED ON THE EXISTING FIELD CONDITIONS OF THE ADJUTING PROPERTY.

CONSTRUCTION STANDARDS AND SPECIFICATIONS	
1.)	MAINTENANCE OF TRAFFIC SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND IN ACCORDANCE WITH STATE OF FLORIDA D.O.T. STANDARD INDEX 102-600.

GENERAL SITE NOTES

1. CLIENT:
BELLEVEUE/BILMORE COUNTRY CLUB CORP
1 COUNTRY CLUB LANE BELLEAIR, FLORIDA 33756
PHONE: (727) 461-7171, ext. 113
EMAIL: EDWARD.SHAUGHNESSY_ed@belleaircc.com
2. ENGINEER:
ATWELL
10150 HIGHLAND MANOR DR., SUITE 450, TAMPA, FLORIDA 33610
PHONE: (813) 372-6232
EMAIL: RYAN.POWERS_P.E. rpowers@atwell.com
3. SURVEYOR: BOUNDARY & TOPO
MCKIM & CREED
3903 NORTHDALE BLVD SUITE 115E, TAMPA, FLORIDA 33624
PHONE: (813) 560-3740
4. SURVEYOR: WETLAND & TREES
ATWELL
8813 STATE ROAD 70 EAST, BRADENTON, FLORIDA 34203
PHONE: (941) 748-5340 FAX: (941) 898-9903
EMAIL: DALTON.CROSS_P.S.M. dcross@atwell.com
5. THE EXISTING WATER SERVICE THAT IS BEING PROVIDED BY THE TOWN OF BELLEAIR IS BEING ROUTED TO THE EXISTING BUILDINGS. NO NEW CONNECTIONS ARE PROPOSED.
6. WASTEWATER SERVICE TO BE PROVIDED BY PINELLAS COUNTY.
7. CONTOURS SHOWN HEREON BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
8. ALL SLOPES STEEPER THAN 4:1 SHALL BE SODDED AND SECURED W/50D PINS.
9. ALL WATER TO BE INSTALLED IN COMPLIANCE WITH TOWN OF BELLEAIR STANDARDS FOR DESIGN AND CONSTRUCTION OF WATER FACILITIES SPECIFICATIONS, LATEST EDITION.
10. ALL WASTEWATER TO BE INSTALLED IN COMPLIANCE WITH PINELLAS COUNTY STANDARDS FOR DESIGN AND CONSTRUCTION OF WASTEWATER FACILITIES SPECIFICATIONS, LATEST EDITION.
11. ALL UTILITY LINES SHALL BE INSTALLED UNDERGROUND, WHEREVER POSSIBLE.
12. SETBACKS FROM POST-DEVELOPMENT WETLANDS SHALL BE AS FOLLOWS: 25-FOOT MINIMUM AROUND ALL CATEGORY I WETLANDS; BUFFERS AROUND CATEGORY II AND CATEGORY III WETLANDS SHALL BE AS REQUIRED BY SWFWMD. ALLOWABLE USES AND RESTRICTIONS FOR BUFFERS SHALL BE IN ACCORDANCE WITH TOWN OF BELLEAIR LAND DEVELOPMENT CODE.
13. ALL ON-SITE WATER FACILITIES SHALL BE OWNED AND MAINTAINED BY THE TOWN OF BELLEAIR.
14. ALL CONSTRUCTION WORK, INCLUDING ROAD, DRAINAGE AND UTILITIES, SHALL BE CONSTRUCTED IN ACCORDANCE WITH TOWN OF BELLEAIR DESIGN STANDARDS AND TESTED IN COMPLIANCE WITH THE TOWN OF BELLEAIR ENGINEERING SERVICE DEPARTMENT TESTING SPECIFICATIONS FOR CONSTRUCTION OF ROADS, STORM DRAINAGE AND UTILITIES.
15. IF DURING CONSTRUCTION ACTIVITIES ANY EVIDENCE OF HISTORIC RESOURCES INCLUDING, BUT NOT LIMITED TO ABORIGINAL OR HISTORIC POTTERY, PREHISTORIC STONE TOOLS, BONE OR SHELL TOOLS, HISTORIC TRASH PITS OR HISTORIC BUILDING FOUNDATIONS ARE DISCOVERED, WORK SHALL COME TO AN IMMEDIATE STOP, AND THE FLORIDA DEPT. OF HISTORIC RESOURCES (STATE HISTORICAL PRESERVATION OFFICE) AND TOWN OF BELLEAIR SHALL BE NOTIFIED WITHIN TWO WORKING DAYS OF THE RESOURCES FOUND ON SITE.
16. IF DURING THE CONSTRUCTION ACTIVITIES ANY EVIDENCE OF THE PRESENCE OF STATE AND FEDERALLY PROTECTED PLANT AND/OR ANIMAL SPECIES ARE DISCOVERED, WORK SHALL COME TO AN IMMEDIATE STOP AND TOWN OF BELLEAIR SHALL BE NOTIFIED WITHIN TWO WORKING DAYS OF THE PLANT AND/OR ANIMAL SPECIES FOUND ON SITE.
17. IN THE EVENT THAT UNMARKED HUMAN REMAINS ARE ENCOUNTERED DURING PERMITTED ACTIVITIES, ALL WORK MUST STOP IMMEDIATELY AND THE PROPER AUTHORITIES NOTIFIED IN ACCORDANCE WITH SECTION 872.05, FLORIDA STATUTE.
18. THE OWNER/DEVELOPER ACKNOWLEDGES THAT THIS APPROVAL DOES NOT INCLUDE ANY WORK IN COUNTY RIGHT-OF-WAY. ANY RIGHT-OF-WAY WORK SHALL BE A FUNCTION OF AN APPROVED TOWN OF BELLEAIR RIGHT-OF-WAY USE PERMIT.
19. ALL CLEAR SITE AREAS SHALL BE KEPT FREE OF ANY SIGNAGE, PLANTINGS, TREES, ETC. IN EXCESS OF 3 1/2 FEET IN HEIGHT.
20. NO IRRIGATION SYSTEM OR LANDSCAPING SHALL BE INSTALLED IN ANY COUNTY OR STATE RIGHT-OF-WAY WITHOUT ISSUANCE OF THE APPROPRIATE RIGHT-OF-WAY USE PERMIT.
21. THE OWNER/DEVELOPER ACKNOWLEDGES THAT THE SITE AND ITS SUBSEQUENT BUILDING PERMITS SHALL COMPLY WITH ALL REZONING/MUP/UDP CONDITIONS.
22. ALL STRUCTURES, INCLUDING BUFFER WALLS, RETAINING WALLS, SIGNAGE, ETC. REQUIRE BUILDING PERMITS.
23. FUGITIVE DUST EMISSIONS SHALL BE CONTROLLED BY APPLICATION OF SPRAYED WATER, IF NECESSARY.
24. THE SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED PRIOR TO CONSTRUCTION, MAINTAINED THROUGHOUT CONSTRUCTION AND UNTIL THE SITE IS PERMANENTLY STABILIZED.
25. NO FILL IS PROPOSED TO BE HAULED OFFSITE.
26. THE JURISDICTIONAL WETLAND LINE AND THE UPLAND BUFFER LINE SHALL BE CLEARLY FIELD DEMARCATED PRIOR TO ANY CONSTRUCTION ACTIVITIES.
27. NO CONSTRUCTION ACTIVITIES INCLUDING: CLEARING, GRADING, GRUBBING SHALL OCCUR WITHIN THE WETLAND UPLAND BUFFER AS DEPICTED ON THE APPROVED PROJECT CONSTRUCTION PLANS.
28. SHOULD ANY NOTICEABLE SOIL SLUMPING OR SINKHOLE FORMATION BECOME EVIDENT, THE PARCEL DEVELOPER SHALL IMMEDIATELY NOTIFY THE COUNTY, TOWN AND THE SWFWMD, AND ADOPT ONE OR MORE OF THE FOLLOWING PROCEDURES AS DETERMINED TO BE APPROPRIATE BY THE COUNTY AND THE SWFWMD:
 - A. IF THE SLUMPING OR SINKHOLE FORMATION BECOMES EVIDENT BEFORE OR DURING CONSTRUCTION ACTIVITIES, STOP ALL WORK (EXCEPT FOR EMERGENCY ACTIVITIES) IN THE AFFECTED AREA AND REMAIN STOPPED UNTIL THE COUNTY AND THE SWFWMD APPROVE RESUMING CONSTRUCTION ACTIVITIES.
 - B. TAKE IMMEDIATE MEASURES TO ENSURE THAT NO SURFACE WATER DRAINS INTO THE AFFECTED AREAS.
 - C. VISUALLY INSPECT THE AFFECTED AREA.
 - D. EXCAVATE AND BACKFILL AS REQUIRED TO FILL THE AFFECTED AREA AND PREVENT FURTHER SUBSIDENCE.
 - E. USE GEOTEXTILE MATERIALS IN THE BACKFILLING OPERATION, WHEN APPROPRIATE.
 - F. IF THE AFFECTED AREA IS IN THE THINITY OF A WATER RETENTION AREA, MAINTAIN A MINIMUM VERTICAL DISTANCE OF FIVE FEET FROM THE BOTTOM OF THE RETENTION POND TO THE SURFACE OF THE LIMEROCK CLAY OR KARST CONNECTION.
 - G. IF THE AFFECTED AREA IS IN THE VICINITY OF A WATER RETENTION AREA AND THE ABOVE METHODS DO NOT STABILIZE THE COLLAPSE, RELOCATE THE RETENTION AREA.
29. CONTRACTOR MUST PROVIDE A Dewatering PLAN, IF APPLICABLE, TO TOWN OF BELLEAIR ENGINEERING INSPECTIONS DEPARTMENT AT (727) 588-1447 FOR REVIEW PRIOR TO THE EROSION CONTROL MEASURES PRE-INSPECTION MEETING.
30. ALL UTILITY CONSTRUCTION SHALL COMPLY WITH THE TOWN OF BELLEAIR STANDARDS FOR DESIGN AND CONSTRUCTION OF WATER FACILITIES SPECIFICATIONS, LATEST EDITION.
31. ALL PVC WATER MAIN PIPE SHALL CONFORM TO THE REQUIREMENTS FOUND IN AWWA STANDARD, LATEST EDITION AT THE TIME OF PLAN APPROVAL AND BE AS FOLLOWS: WATER MAINS SMALLER THAN 4" IN DIAMETER SHALL BE CLASS 1120 OR 1220, SCHEDULE 80 AND MEET THE REQUIREMENTS OF ASTM D-1785, SERVICE PIPE LESS THAN 4" IN DIAMETER SHALL BE PVC PRESSURE PIPE, PRESSURE RATE 200, SDR 21 PER ASTM STANDARD D-2241, 4" - 12" SHALL BE AWWA C-900 OR 18" IS PVC POTABLE WATER AND RECLAIM WATER PIPING 16 INCHES IN DIAMETER AND LARGER SHALL BE DP 4000 4" - 12" SHALL BE SPECIFIED BY THE TOWN OF BELLEAIR UTILITY DEPARTMENT.
32. ELECTRICAL POWER IS PROVIDED BY DUKE ENERGY.

	B-A (acres)	B-B (acres)	B-C (acres)	B-D (acres)	B-E (acres)	B-F (acres)	TOTAL (acres)	COVER
ON-SITE BASIN AREA	11.30	28.99	11.96	5.59	26.30	1.99	86.13	
OFF-SITE BASIN AREA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
STORMWATER BASIN AREA	11.30	28.99	11.96	5.59	26.30	1.99	86.13	70.0%
GREEN SPACE:	8.32	26.12	8.33	3.41	19.41	1.55	67.14	54.5%
DRY RETENTION:	1.42	0.00	0.00	0.00	0.00	0.00	1.42	
TOTAL PERVIOUS AREAS	9.74	26.12	8.33	3.41	19.41	1.55	68.57	
WET DETENTION:	0.00	1.63	2.96	1.93	5.13	0.27	11.91	9.7%
ASPHALT AND ROOF:	1.55	1.24	0.67	0.26	1.77	0.16	5.65	4.6%
TOTAL IMPERVIOUS AREA	1.55	2.87	3.62	2.19	6.89	0.43	17.56	

[illegible]

CONTROL ELEVATION/SEASONAL HIGH WATER TABLE	=	3.5 - 38.5	ft (NAVD)
MINIMUM PAVEMENT ELEVATION	=	7.00	ft (NAVD)
AVERAGE DEVELOPED GRADE ELEVATION	=	22.50	ft (NAVD)
MINIMUM FINISHED FLOOR IN FEMA ZONE 12103C0108J	=		ZONE X
MINIMUM FINISHED FLOOR	=	38.00	ft (NAVD)

1.9.1 - DESIGN RESULTS							
STORM EVENT	RAINFALL DEPTH	MAXIMUM STAGE	MAXIMUM DISCHARGE		DESIGN CRITERIA		
			ALLOWABLE	PROPOSED	MINIMUM ELEVATIONS		
010-24	7.50 in	VARIES ft (NAVD)	-	cfs	-	cfs	PAVEMENT = 7.00 ft (NAVD)
025-24	9.0 in		54.50	cfs	46.88	cfs	BERM = VARIES ft (NAVD)

LAKE ID	STORM EVENT	MAXIMUM STAGE	
Lake B	025-24	35.33	ft (NAVD)
Lake C	025-24	36.66	ft (NAVD)
Lake D	025-24	38.96	ft (NAVD)
Lake E	025-24	36.71	ft (NAVD)
Lake F	025-24	6.49	ft (NAVD)
DRY A	025-24	37.89	ft (NAVD)
DRY G	025-24	36.98	ft (NAVD)
DRY H	025-24	36.74	ft (NAVD)
DRY I	025-24	16.41	ft (NAVD)
DRY J	025-24	31.48	ft (NAVD)
DRY K	025-24	27.63	ft (NAVD)
DRY L	025-24	12.72	ft (NAVD)

- \\mtam\FLTAM Projects\Projects\23008044 (Belleair East) Golf Course Design & Permitting\Drawings-Exhibits\23008044_Belleair CC East Course\Current Plans\23008044_C000_COVER.dwg



CONSTRUCTION PLANS FOR:

BELLEAIR COUNTRY CLUB - EAST COURSE RENOVATION

CLIENT: BELLEAIR COUNTRY CLUB

GENERAL NOTES

[illegible]

NOT TO SCALE

FLORIDA CERTIFICATE OF AUTHORIZATION #8636

RYAN W. POWERS, P.E.
FL LICENSE NO. 82437

SET NUMBER: 23-008-044

VERTICAL ELEVATIONS BASED ON: NAVD-88

SHEET : C010

LEGAL DESCRIPTION

[illegible]

LESS THE FOLLOWING:

BEGIN AT THE SAME NORTHEASTERLY CORNER OF TRACT "C" AND RUN SOUTH 0°00'00", 727 FEET; THENCE WEST 838.97 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 70°57'13" EAST, 212.45 FEET; THENCE SOUTH 0°11'43" EAST, 73.09 FEET; THENCE NORTH 89°40'49" EAST, 200.79 FEET; THENCE NORTH 0°11'43" WEST, 141.30 FEET TO THE POINT OF BEGINNING.

AS DESCRIBED FROM OUII CLAIM DEED RECORDED IN OFFICIAL RECORDS BOOK 4487, PAGE 371, OF THE OFFICIAL RECORDS OF PINELLAS COUNTY, FLORIDA.

RECORDS, AND RUN THENCE SOUTH 727.00 FEET, THENCE WEST 838.97 FEET TO THE POB, THENCE SOUTH 70°57'13" EAST 212.45 FEET, THENCE SOUTH 0°01'43" EAST, 73.09 FEET, THENCE NORTH 89°40'49" WEST 200.79 FEET, THENCE NORTH 0°01'43" WEST 141.30 FEET TO THE POB, CONTAINING 0.494 ACRES, MORE OR LESS.

TOGETHER WITH

COMMENCE AT THE NORTHEASTERLY CORNER OF TRACT "C" OF A REPLAT OF A PART OF THE TOWN OF BELLAIR, AS RECORDED IN PLAT BOOK 19, PAGES 87 TO 90 INCLUSIVE, OF THE PINELLAS COUNTY RECORDS, RUN THENCE WEST 226.219 FEET TO A POINT; THENCE RUN SOUTH 207.10 FEET TO AN "X" IN THE SEAWALL; THENCE RUN SOUTH 80° 57' 13" EAST 460.71 FEET TO THE BEGINNING OF A CURVE; THENCE RUN ON A CHORD BEARING SOUTH 07° 26' 10" EAST 280.47 FEET TO A POINT; THENCE RUN SOUTH 39° 23' 31" EAST 11.26 FEET TO A NAIL AND CAP; THENCE RUN SOUTH 51° 46' 33" WEST 105.78 FEET TO A 1/4 INCH IRON PIPE; THENCE RUN SOUTH 06° 46' 33" WEST 226.75 FEET TO A 1/4 INCH IRON PIPE; THENCE RUN SOUTH 51° 46' 33" WEST 26.14 FEET TO THE POINT OF BEGINNING OF HEREIN DESCRIBED PARCEL; FROM SAID P.O.B. RUN THENCE SOUTH 05° 32' 14" WEST 75.10 FEET TO A POINT; THENCE RUN NORTH 86° 33' 34" WEST 81.60 FEET TO A POINT; THENCE RUN NORTH 51° 46' 33" EAST 112.90 FEET TO THE POINT OF BEGINNING.

TOGETHER WITH

AS DESCRIBED FROM QUIT CLAIM DEED RECORDED IN OFFICIAL RECORDS BOOK 6395, PAGES 953-955, OF THE OFFICIAL RECORDS OF PINELLAS COUNTY, FLORIDA.

TRACT A - CORRECTIVE DEED ON GOLF COURSE:

TRACT A OF A MAP OR PLAT THEREOF, OF A REPLAT OF A PART OF TOWN OF BELLEAIR AS RECORDED IN PLATBOOK 19, PAGES 87 THROUGH 90, PINELLAS COUNTY, FLORIDA, TOGETHER WITH THAT PART OF STREET AS VACATED BY O.R. 5723, PAGE 1029, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHEASTERN MOST CORNER OF SAID TRACT A; THENCE SOUTH 00° 24' 06" EAST, 280.40 FEET TO THE POINT OF BEGINNING; THENCE NORTH 89° 59' 41" EAST, 341.00 FEET, THENCE SOUTH 00° 24' 06" EAST, 30.00 FEET, THENCE SOUTH 89° 59' 41" WEST, TO A POINT ON THE EASTERLY BOUNDARY OF SAID TRACT A AND CONTINUING 341.00 FEET; THENCE NORTH 00° 24' 06" WEST, 30.00 FEET TO THE POINT OF BEGINNING.

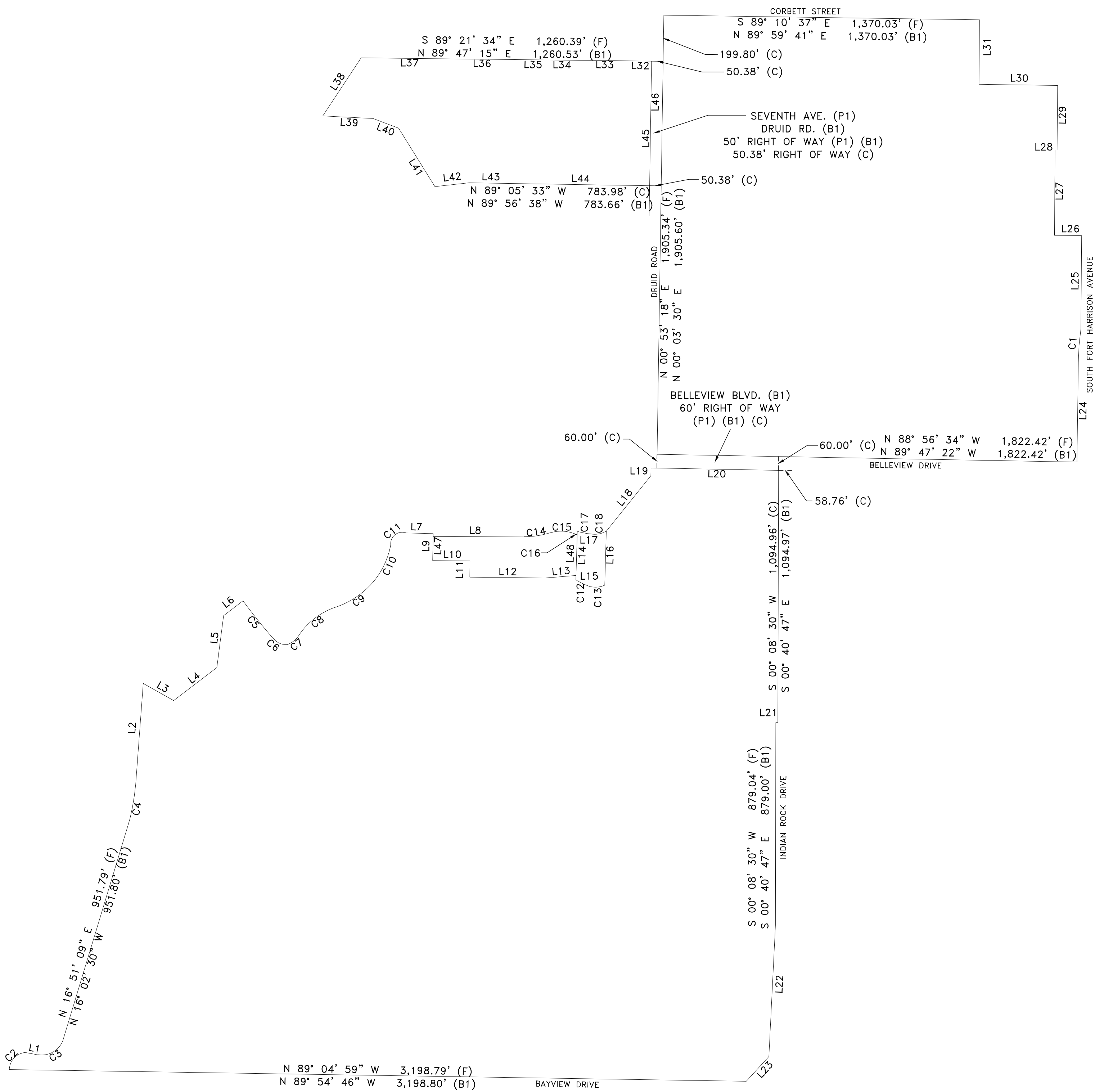
ALSO LESS:

BEGINNING AT THE SOUTHEAST CORNER OF SAID TRACT A, THENCE NORTH 89° 47' 22" WEST, ALONG THE SOUTHERLY BOUNDARY OF SAID TRACT A, 13.06 FEET; THENCE LEAVING SAID LINE NORTH 00° 01' 35" WEST, 432.30 FEET; THENCE ALONG THE ARC OF A CURVE TO THE RIGHT, CONCAVED TO THE SOUTHEAST, RADIUS EQUALS 1161.28 FEET, ARC EQUALS 146.82 FEET, CHORD BEARING NORTH 03° 35' 42" EAST, 146.72 FEET TO A POINT ON THE EASTERLY BOUNDARY OF SAID TRACT A; THENCE ALONG SAID LINE SOUTH 00° 24' 06" EAST; 578.79 FEET TO THE POINT OF BEGINNING.

AS DESCRIBED FROM QUIT CLAIM DEED RECORDED IN OFFICIAL RECORDS BOOK 6618, PAGE 1258, OF THE OFFICIAL RECORDS OF PINELLAS COUNTY, FLORIDA. THAT PORTION OF ALLEY VACATED BY O.R. 5958, PAGE 1334, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE WESTERLY 9 FEET OF THE 18 FOOT ALLEY ABUTTING THE WEST PROPERTY LINE OF LOTS 1, 2, 3, 4 AND 5, BLOCK 24, MAP OF BELLEAIR, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 1 PAGE 105, OF THE PUBLIC RECORDS OF HILLSBOROUGH COUNTY, FLORIDA, OF WHICH PINELLAS COUNTY WAS FORMERLY A PART.

SUBJECT TO RESTRICTIONS, RESERVATIONS AND EASEMENTS OF RECORD AND TAXES FOR THE YEAR 1986 AND SUBSEQUENT YEARS.



PROPERTY METES AND BOUNDS

NO SCALE

REFER TO SHEET 41 OF SURVEY PREPARED BY
MCCKIM AND CREED AND DATED MARCH 2018

VERTICAL ELEVATIONS BASED ON: NAVD-88	SHEET :	C011
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CONSTRUCTION PLANS FOR:

BELLEAIR COUNTRY CLUB

EAST COURSE RENOVATION

CLIENT: BELLEAIR COUNTRY CLUB

LEGAL DESCRIPTION

LEGAL DESCRIPTION



ATWELL
866.850.4200 www.atwell-group.com
10401 HIGHLAND MANOR Dr., SUITE 220
TAMPA, FL 33610
813.443.8282

	PLAN REVISIONS	REVISIONS BASED ON TOWN OF BELLEAIR INITIAL COMMENTS 7/9/2025	REVISIONS BASED ON TOWN OF BELLEAIR COMMENTS 9/22/2025	REV'D <=SUBMITTED> > 10/20/25
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NOT TO SCALE

FLORIDA CERTIFICATE OF AUTHORIZATION #8630

RYAN W. POWERS, P.E.
FL LICENSE NO. 82437

SET NUMBER: 23-008-044

SHEET : C011



VERTICAL ELEVATIONS BASED ON: NAVD-88



CONSTRUCTION PLANS FOR:

BELLEAIR COUNTRY CLUB - EAST COURSE RENOVATION

AERIAL SITE PLAN



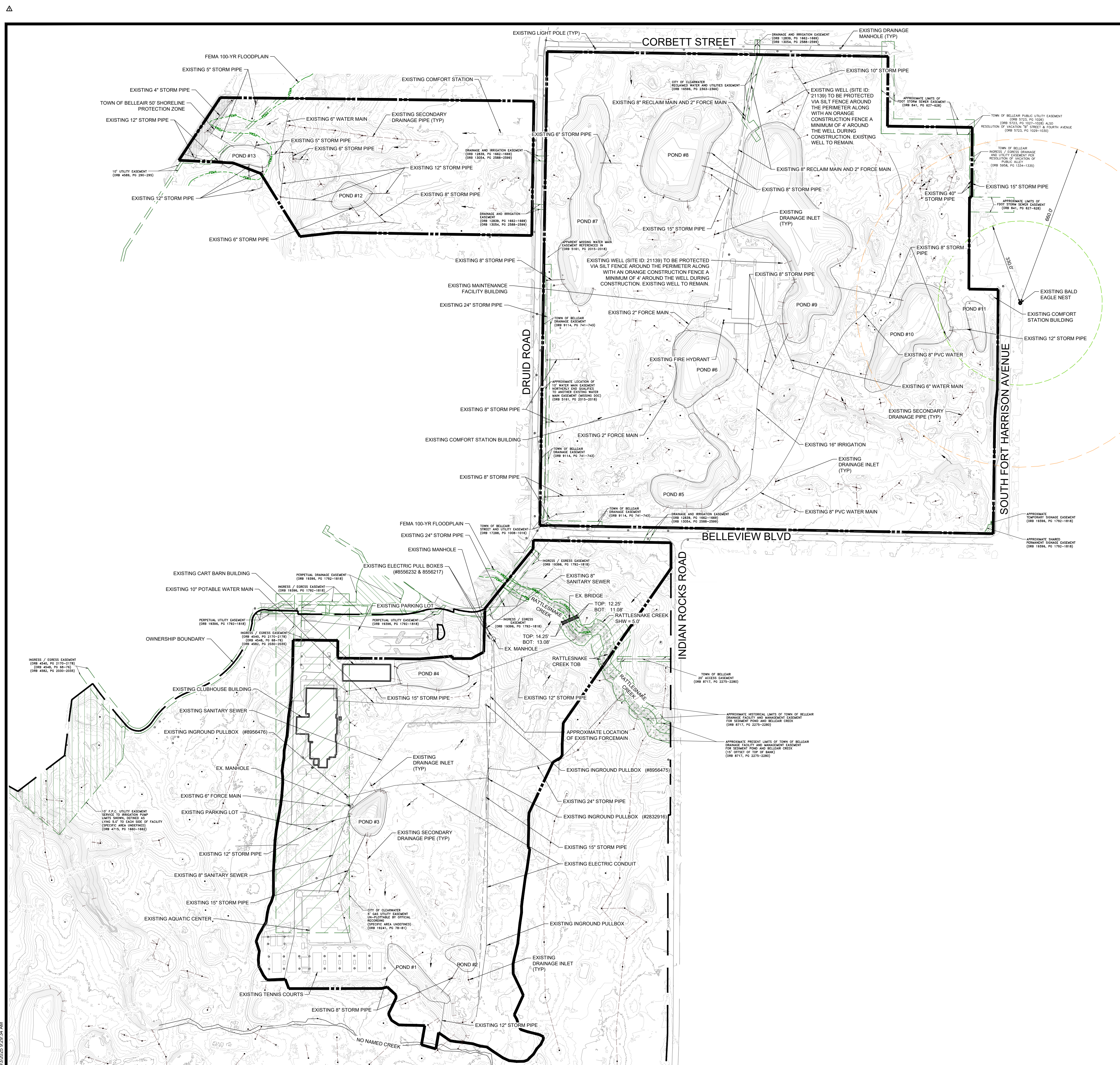
ATWELL
866.850.4200 www.atwell-group.com
10401 HIGHLAND MANOR DR., SUITE 220
TAMPA, FL 33610
813.443.8282

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RYAN W. POWERS, P.E.
FL LICENSE NO. 82437

SET NUMBER: 23-008-044

SHEET : C100



NOTES:

1) SURVEY DATA SHOWN ON PLANS IS NOT ALL INCLUSIVE. ADDITIONAL INFRASTRUCTURE
ON SITE WILL NEED TO BE FIELD VERIFIED AND REMOVED DURING CONSTRUCTION. CONTRACTOR
MUST VERIFY THE LOCATION OF ALL PIPES AND STRUCTURES BEFORE DEMO.



CONSTRUCTION PLANS FOR:
**BELLEAIR COUNTRY CLUB -
EAST COURSE RENOVATION**
CLIENT: BELLEAIR COUNTRY CLUB
EXISTING CONDITIONS



ATWELL
866.850.4200 www.atwell-group.com
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TAMPA, FL 33610
813.443.8282

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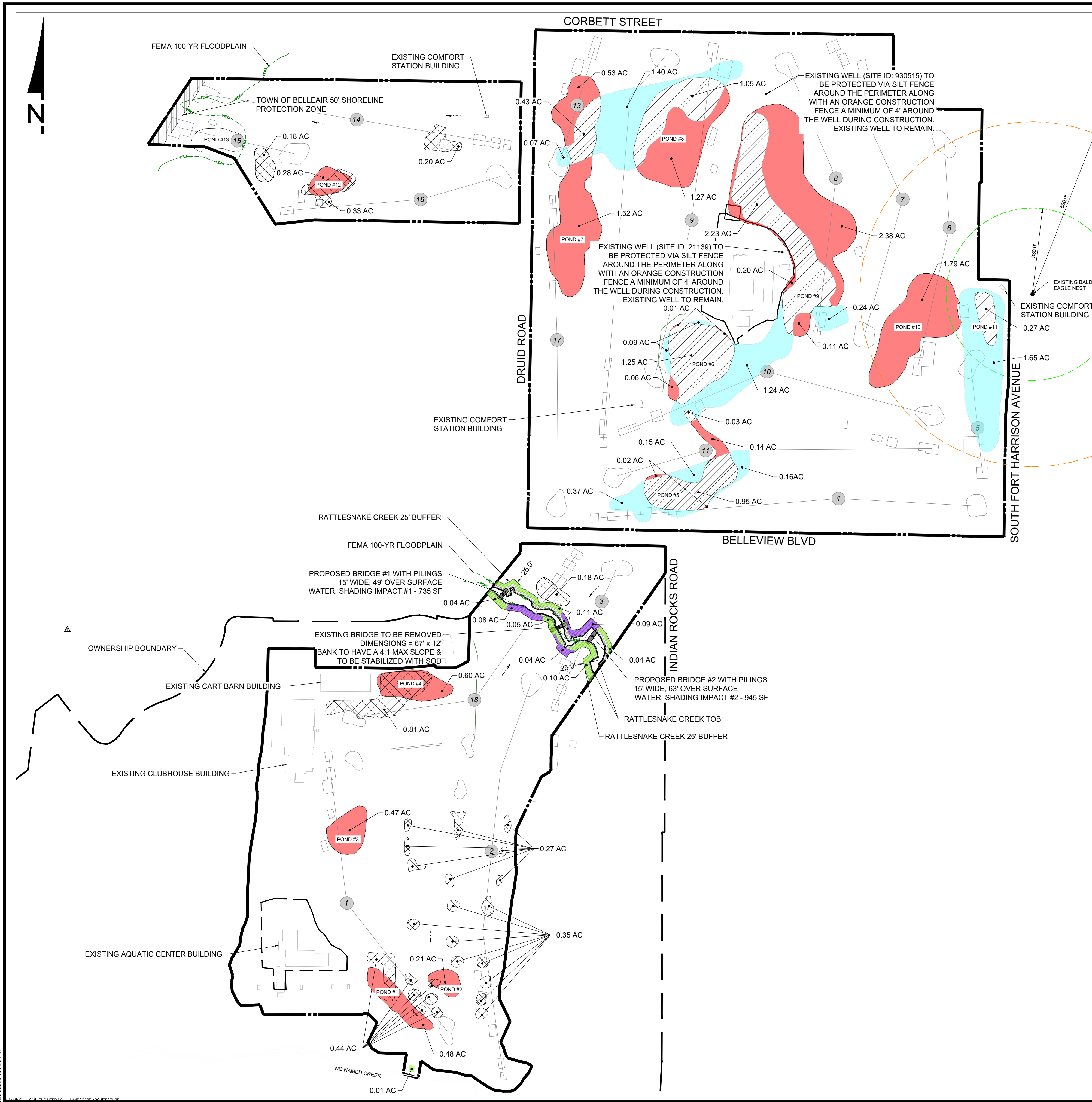
FLORIDA CERTIFICATE OF AUTHORIZATION #8636

RYAN W. POWERS, P.E.
FL LICENSE NO. 82437

SET NUMBER: 23-008-04

SHEET : C10

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NOTE: THIS PROJECT WILL ADHERE TO THE BALD EAGLE MANAGEMENT GUIDELINES.

Table 1. Bellair Buffer Restoration Planting Specifications

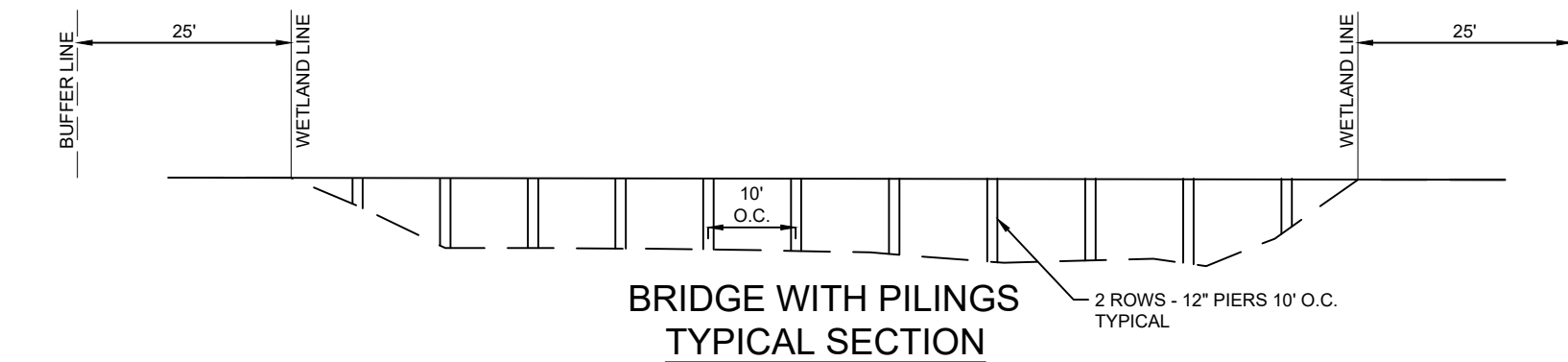
Planting Species		Minimum Size	Spacing	Quantity (0.34 ac.)
Common Name	Scientific Name			
Herbaceous Planting Palette				
Fakahatchee grass	<i>Tripsacum dactyloides</i>	4" or bare root OR 1 gallon	3 ft.	1645
Sand cordgrass	<i>Spartina bakeri</i>			
Muhly grass	<i>Muhlenbergia capillaris</i>			
Purple lovegrass	<i>Eragrostis spectabilis</i>			
Broomsedge	<i>Andropogon virginicus</i>			
Bushy bluestem	<i>Andropogon glomeratus</i>			
Wiregrass	<i>Aristida stricta</i>			

General Notes:

- This planting palette does not suggest that all species will be planted. Planting palette provides for a variety of species that may be planted in the buffers and will only include low growing herbaceous material to ensure golf flight paths and lines of sight are not obstructed. Trees and tall growing shrubs will not be planted in these areas. -Alternate native grass species may also be substituted where appropriate for buffers.
- Quantity: Plant quantities shown are based on the acreage of temporary buffer impacts (shaded in green) that will be replanted with native grasses.

Table 1 - Belleair Golf Course Wetland And Other Surface Water (OSW) Impact Summary

WL & SW ID	UMAM ASSESSMENT AREA NAME(S)	WL & SW TYPE	WL & SW SIZE (acres)	WL & SW NOT IMPACTED (acres)	TEMPORARY WL & SW IMPACT SIZE (acres)	TEMPORARY WL & SW IMPACT TYPE	PERMANENT WL & SW IMPACT SIZE (acres)	PERMANENT WL & SW IMPACT TYPE	MITIGATION ID
OSW A	OSW A	511	0.40	0.36	0.00	N/A	0.04	S	N/A
Pond 1	Pond 1	534	0.48	0.00	0.00	N/A	0.48	F	N/A
Pond 2	Pond 2	534	0.21	0.00	0.00	N/A	0.21	F	N/A
Pond 3	Pond 3	534	0.47	0.00	0.00	N/A	0.47	F	N/A
Pond 4	Pond 4	534	0.60	0.00	0.00	N/A	0.60	F	N/A
Pond 5	Pond 5	534	1.14	0.00	0.98	D	0.16	F	N/A
Pond 6	Pond 6	534	1.32	0.00	1.25	D	0.07	F	N/A
Pond 7	Pond 7	534	2.48	0.00	0.43	D	2.05	F	N/A
Pond 8	Pond 8	534	2.32	0.00	1.05	D	1.27	F	N/A
Pond 9	Pond 9	534	4.92	0.00	2.23	D	2.69	F	N/A
Pond 10	Pond 10	534	1.79	0.00	0.00	N/A	1.79	F	N/A
Pond 11	Pond 11	534	0.27	0.00	0.27	D	0.00	N/A	N/A
Pond 12	Pond 12	534	0.28	0.00	0.00	N/A	0.28	F	N/A
Pond 13	Pond 13	534	0.33	0.33	0.00	N/A	0.00	N/A	N/A
PROJECT TOTALS:			17.01	0.69	6.21		10.11		



LEGEND			
	PROJECT BOUNDARY		PERMANENT OSW IMPACT (EXISTING POND TO BE FILLED) (10.07 AC)
	OWNERSHIP BOUNDARY		TEMPORARY OSW IMPACT (TO BE MAINTAINED AS PONDS) (6.21 AC)
	EXISTING HOLE CENTERLINE		POND TO BE EXCAVATED (5.37 AC)
	GENERAL EXISTING SURFACE WATER FLOW		PROPOSED DRY RETENTION (2.76 AC)
	BALD EAGLE PRIMARY PROTECTION ZONE		TEMPORARY BUFFER IMPACT (0.34 AC) (TO BE REPLANTED PER PLANTING SPECS)
	BALD EAGLE SECONDARY PROTECTION ZONE		TEMPORARY BUFFER IMPACT (0.21 AC) (TO BE REPLANTED WITH SOD)

VERTICAL ELEVATIONS BASED ON: NAVD-88

CONSTRUCTION PLANS FOR:

**BELLEAIR COUNTRY CLUB -
EAST COURSE RENOVATION**
CLIENT: BELLEAIR COUNTRY CLUB
EXISTING CONDITIONS & DEMO PLAN

PLAN REVISIONS	REVISIONS	DATE
REV 00	AS SUBMITTED	03/20/25
REV 01	REVISIONS BASED ON TOWN OF BELLEAIR INITIAL COMMENTS	7/9/2025
REV 02	REVISIONS BASED ON TOWN OF BELLEAIR COMMENTS	8/22/2025

SCALE IN FEET

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FLORIDA CERTIFICATE OF AUTHORIZATION #8636

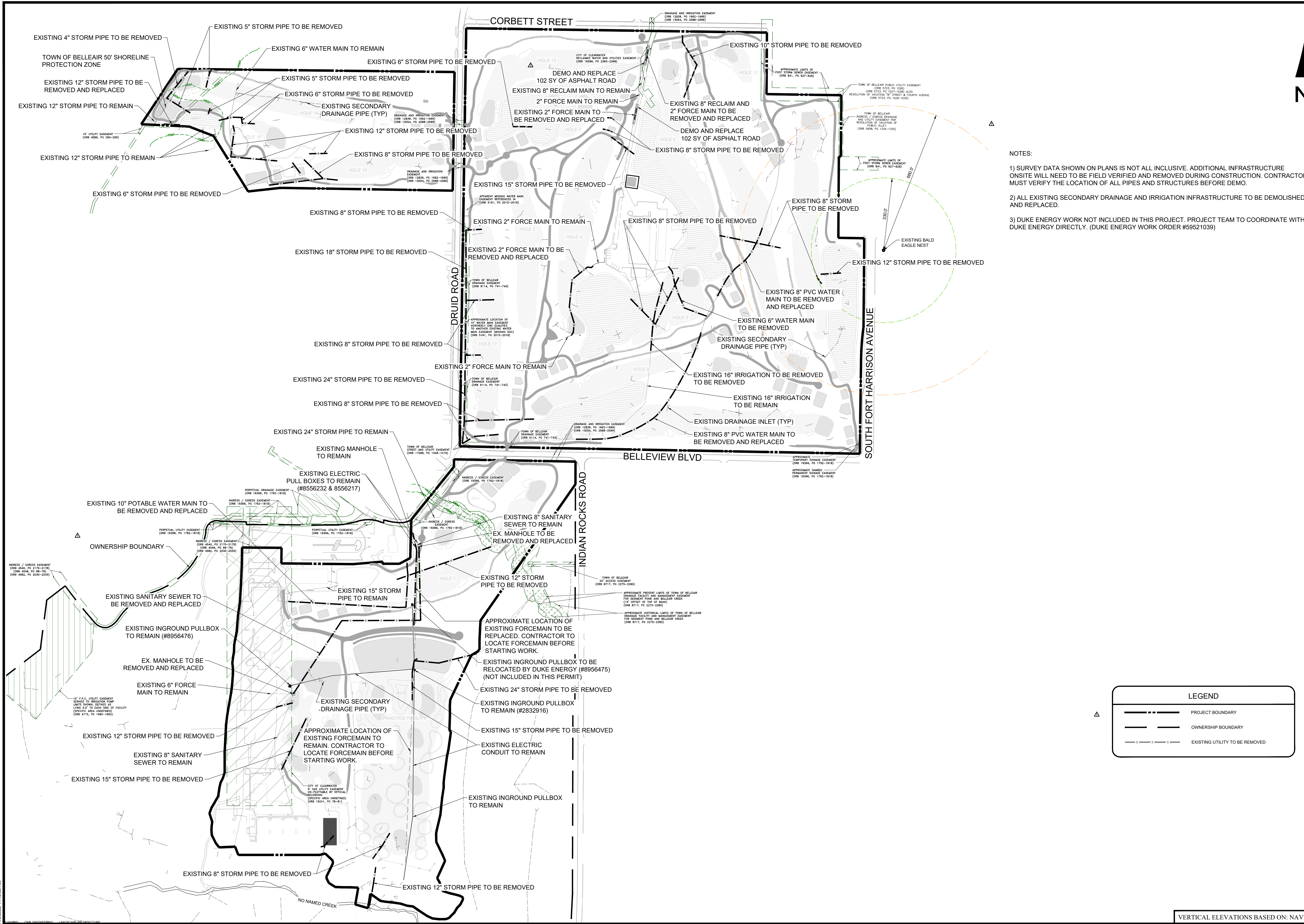
RYAN W. POWERS, P.E.
FL LICENSE NO. 82417

SET NUMBER: 23-008-044

SHEET: C110



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- NOTES:
- 1) SURVEY DATA SHOWN ON PLANS IS NOT ALL INCLUSIVE. ADDITIONAL INFRASTRUCTURE ONSITE WILL NEED TO BE FIELD VERIFIED AND REMOVED DURING CONSTRUCTION. CONTRACTOR MUST VERIFY THE LOCATION OF ALL PIPES AND STRUCTURES BEFORE DEMO.
 - 2) ALL EXISTING SECONDARY DRAINAGE AND IRRIGATION INFRASTRUCTURE TO BE DEMOLISHED AND REPLACED.
 - 3) DUKE ENERGY WORK NOT INCLUDED IN THIS PROJECT. PROJECT TEAM TO COORDINATE WITH DUKE ENERGY DIRECTLY. (DUKE ENERGY WORK ORDER #59521039)

LEGEND	
	PROJECT BOUNDARY
	OWNERSHIP BOUNDARY
	EXISTING UTILITY TO BE REMOVED

CONSTRUCTION PLANS FOR:
**BELLEAIR COUNTRY CLUB -
EAST COURSE RENOVATION**
CLIENT: BELLEAIR COUNTRY CLUB
EXISTING UTILITY DEMO PLAN

PLAN REVISIONS	REV 00 - SUBMITTED - 03/20/25
1	7/9/2025 REVISIONS BASED ON TOWN OF BELLEAIR INITIAL COMMENTS
2	8/22/2025 REVISIONS BASED ON TOWN OF BELLEAIR COMMENTS

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SCALE IN FEET			

FLORIDA CERTIFICATE OF AUTHORIZATION #8636

RYAN W. POWERS, P.E.
FL LICENSE NO. 82437

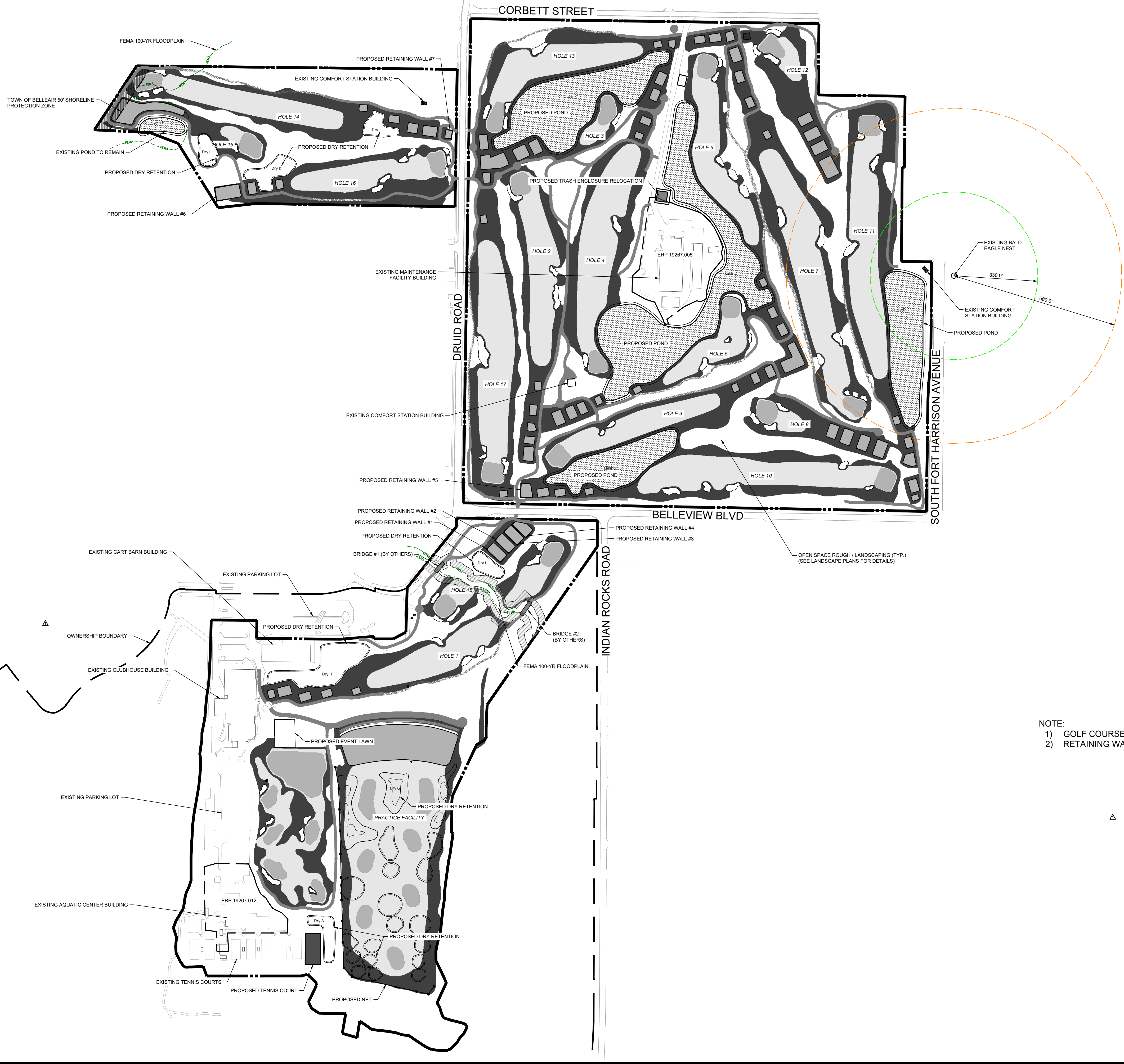
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VERTICAL ELEVATIONS BASED ON: NAVD-88

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- NOTE:
- 1) GOLF COURSE BRIDGES TO BE DESIGN-BUILD BY CONTRACTOR.
 - 2) RETAINING WALLS TO BE DESIGN-BUILD BY CONTRACTOR.

LEGEND	
	PROJECT BOUNDARY
	OWNERSHIP BOUNDARY
	PROPOSED CART PATH
	PROPOSED COQUINA CART PATH
	BALD EAGLE PRIMARY PROTECTION ZONE
	BALD EAGLE SECONDARY PROTECTION ZONE
	PROPOSED GOLF GREEN / TEE BOXES
	PROPOSED FAIRWAY
	PROPOSED ROUGH

PLAN REVISIONS	
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NOTE 1: LAKE F IS EXISTING WITH NO DESIGN POOL VOLUME REQUIRED. BOTTOM ELEVATION IS UNKNOWN

TOTAL IMPERVIOUS AREA = ±22.04 AC
TOTAL IMPERVIOUS RATIO = ±18.05%

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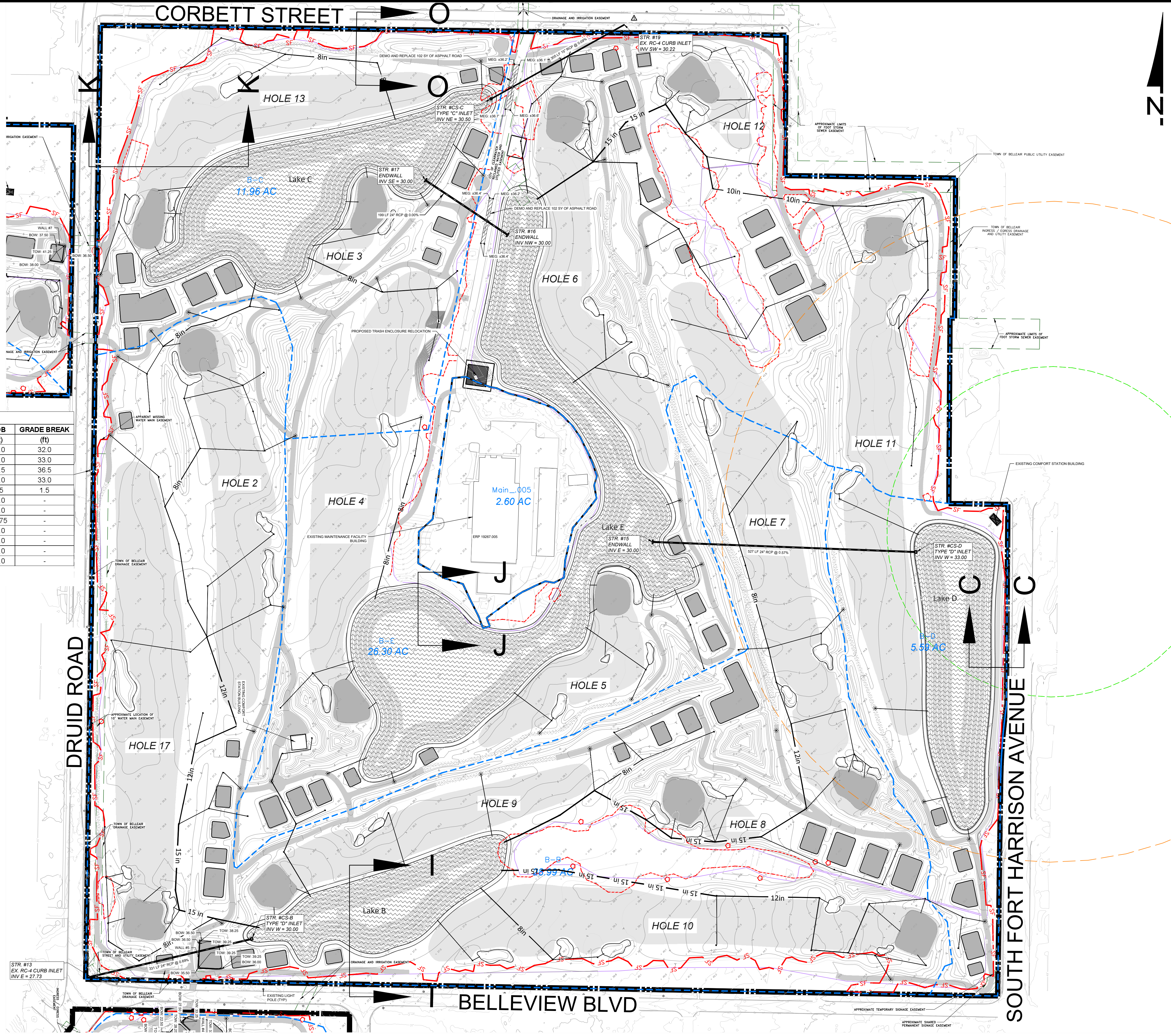
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IMPERVIOUS AREA	
TOTAL IMPERVIOUS AREA = ±22.04 AC	
TOTAL IMPERVIOUS RATIO = ±18.05%	

TYPICAL SECTION LAKE/DRY DETAILS								
Lake	Basin Area (ac)	SHWT (ft)	BOT (ft)	100YR24HR (ft)	25YR24HR (ft)	10YR24HR (ft)	TOB (ft)	GRADE BREAK (ft)
Lake B	28.99	34.0	14.0	35.63	35.33	34.95	36.0	32.0
Lake C	11.96	35.0	15.0	36.88	36.66	36.36	37.0	33.0
Lake D	5.59	38.5	18.5	39.03	38.96	38.88	40.5	36.5
Lake E	26.30	35.0	15.0	36.96	36.71	36.39	37.0	33.0
1Lake F	1.99	3.5	-	7.73	6.49	5.13	5.5	1.5
Dry A	11.30	36.0	37	38.08	37.89	37.68	38.0	-
Dry G	5.76	35.0	36	37.21	36.98	36.72	37.0	-
Dry H	14.80	34.75	35.75	36.86	36.74	36.59	36.75	-
Dry I	2.69	14.0	16	16.45	16.41	16.36	17.0	-
Dry J	5.67	29.0	31	31.54	31.48	31.39	32.0	-
Dry K	4.06	25.0	27	27.72	27.63	27.51	28.0	-
Dry L	2.99	10.0	12	12.83	12.72	12.58	13.0	-

NOTE 1: LAKE F IS EXISTING WITH NO DESIGN POOL VOLUME REQUIRED. BOTTOM ELEVATION IS UNKNOWN

LEGEND	
	PROJECT BOUNDARY
	OWNERSHIP BOUNDARY
	PROPOSED BASIN LINE
	LIMITS OF GRADING
	SINGLE ROW SILT FENCE
	DOUBLE ROW SILT FENCE
	TREE BARRICADE
	PROPOSED CART PATH
	PROPOSED COQUINA CART PATH
	EXISTING GRADE
	PROPOSED YARD DRAIN
	PROPOSED CATCH BASIN
	PROPOSED SECONDARY DRAINAGE PIPE
	PROPOSED GOLF GREEN / TEE BOXES
	PROPOSED FAIRWAY
	POND AREA
	DRAINAGE BASIN NAME
	DRAINAGE BASIN AREA



North Arrow



CONSTRUCTION PLANS FOR:
**BELLEAIR COUNTRY CLUB -
EAST COURSE RENOVATION**
CLIENT: BELLEAIR COUNTRY CLUB
GRADING PLAN 2

PLAN REVISIONS	
REVISION	DATE
1	7/16/2025
2	8/22/2025
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FLORIDA CERTIFICATE OF AUTHORIZATION #8836

RYAN W. POWERS, P.E.
FL LICENSE NO. 82437

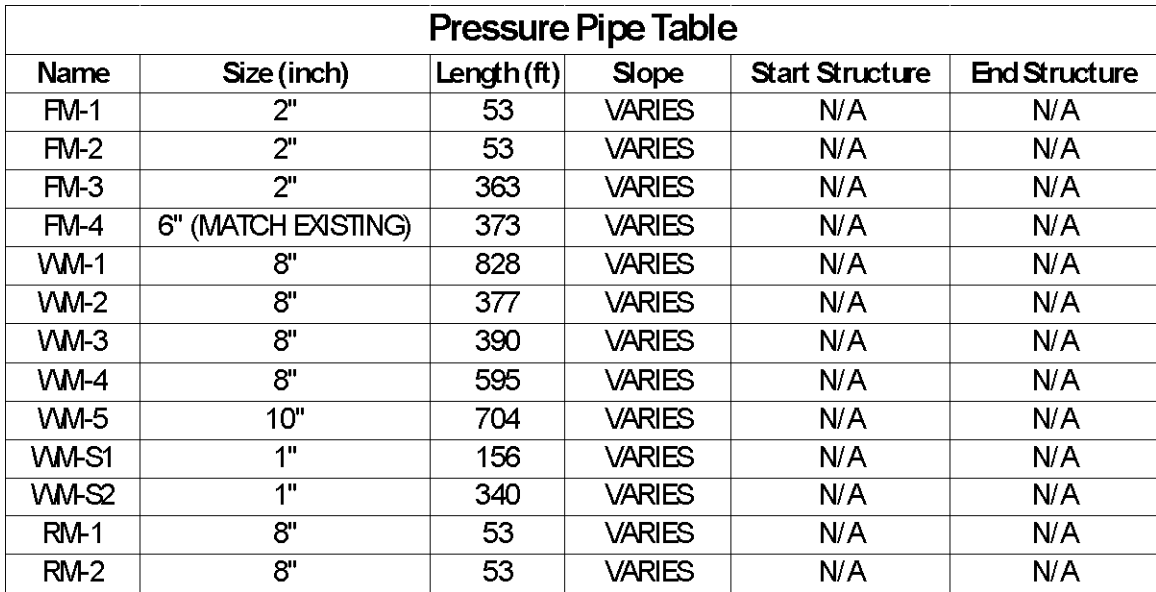
SET NUMBER: 23-008-044

VERTICAL ELEVATIONS BASED ON: NAVD-88 SHEET: C302

NOTE 1: LAKE F IS EXISTING WITH NO DESIGN POOL VOLUME REQUIRED. BOTTOM ELEVATION IS UNKNOWN



VERTICAL ELEVATIONS BASED ON: NAVD-83



Pipe Table					
Name	Size (inch)	Length (ft)	Slope	Start Structure	End Structure
P-1	8"	294	0.51%	S-1 (INSIDEDROP)	S-2
P-2	8"	171	0.50%	S-2	S-3
P-3	8"	298	1.01%	S-3	S-5
P-4	8"	274	0.58%	S-5	S-4
P-5	8"	240	1.74%	CO-1	S-3
P-7	8"	227	0.55%	CO-2	S-5
P-11	8"	63	0.55%	CO-3	S-2

1. IT IS UP TO THE CONTRACTOR TO VERIFY ALL EXISTING UTILITIES WITHIN THE CONSTRUCTION AREA.
2. ALL EXISTING AND PROPOSED WASTEWATER UTILITIES ARE OWNED BY PINELLAS COUNTY.
3. ALL EXISTING AND PROPOSED POTABLE WATER UTILITIES ARE TO BE OWNED AND MAINTAINED BY THE TOWN OF BELLEAIR.
4. ALL EXISTING AND PROPOSED RECLAIM MAINS ARE OWNED BY THE CITY OF CLEARWATER.
5. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN FROM THE ENGINEER OR OWNER A COPY OF ALL PERTINENT PERMITS RELATED TO THIS PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT ALL CONSTRUCTION ACTIVITIES ARE IN COMPLIANCE WITH THE CONDITIONS OF ALL PERMITS, APPROVALS, AND ALL APPLICABLE REGULATIONS.
6. IN ACCORDANCE WITH THE UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT (CHAPTER 556, F.S.) THE CONTRACTOR SHALL CALL THE SUNSHINE STATE ONE CALL OF FLORIDA (SSCOF) AT 1-800-432-4770 FORTY EIGHT (48) HOURS IN ADVANCE OF ANY EXCAVATION.
7. ALL MATERIALS AND LABOR SHALL MEET THE SPECIFICATIONS REQUIRED BY THE RESPECTIVE MUNICIPALITY. ALL CONSTRUCTION SHALL BE PERFORMED UNDER THE INSPECTION OF THE COUNTY AND/OR TOWN OF BELLEAIR AND IN STRICT COMPLIANCE WITH THE STANDARDS OF THE COUNTY AND/OR TOWN OF BELLEAIR DESIGN STANDARDS.
8. THE FIELD-SURVEYED OR REPORTED LOCATIONS OF ALL EXISTING UNDERGROUND AND ABOVE-GROUND UTILITIES KNOWN TO EXIST AT THE TIME OF PLANS PRODUCTION HAVE BEEN DEPICTED HEREON. HOWEVER CONFLICTS BETWEEN EXISTING AND PROPOSED UTILITIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY.
9. CONTRACTOR SHALL VERIFY LOCATIONS AND DEPTHS OF EXISTING WATER AND SEWER LINES PRIOR TO BEGINNING CONSTRUCTION.
10. THE LOCATIONS AND ELEVATION OF ALL SERVICE LINES ARE TO BE DETERMINED IN THE FIELD BY OWNER AND/OR CONTRACTOR PRIOR TO CONSTRUCTION OF SAME.
11. ALL PVC WATER MAIN PIPE SHALL CONFORM TO THE REQUIREMENTS FOUND IN AWWA STANDARD, LATEST EDITION AT THE TIME OF PLAN APPROVAL AND "B" BE AS FOLLOWS: WATER MAINS SMALLER THAN 4" IN DIAMETER SHALL BE CLASS 1220 OR 1220, SCHEDULE 80 AND MEET THE REQUIREMENTS OF ASTM D-1785, SERVICE PIPE LESS THAN 4" IN DIAMETER SHALL BE PVC PRESSURE PIPE, PRESSURE RATE 200, SDR 21 PER ASTM STANDARD D-2241; 4"-12" SHALL BE AWWA C-900 DR 18 PVC. POTABLE WATER AND RECLAIM WATER PIPING 16 INCHES IN DIAMETER AND LARGER SHALL BE DIP UNLESS OTHERWISE SPECIFIED BY THE TOWN OF BELLEAIR UTILITY DEPARTMENT.
12. ALL IRRIGATION WATER MAINS SHALL BE C-900 PVC DR-18, PIGMENTED PURPLE, UNLESS OTHERWISE NOTED.
13. ALL SANITARY FORCE MAINS SHALL BE C-900 PVC DR-25, PIGMENTED GREEN, UNLESS OTHERWISE NOTED.
14. ALL SANITARY GRAVITY MAINS SHALL BE D-3034 PVC PIPE, PER PINELLAS COUNTY STANDARDS. FOR DEPTHS GREATER THAN 8' OR LESS THAN 4', D.I. CL-350 PIPE OR C-900/C-905 PVC PIPE SHALL BE USED.
15. ALL WATER MAIN PIPE AND FITTINGS INSTALLED UNDER THIS PROJECT SHALL BE COLOR CODED OR MARKED IN ACCORDANCE WITH SUBPARAGRAPH 62-555.320(21)(B3), FLORIDA ADMINISTRATIVE CODES, USING BLUE AS THE PREDOMINANT COLOR.
16. ALL PVC WATER MAIN AND IRRIGATION PRESSURE PIPES SHALL MAINTAIN 36" COVER FROM TOP OF FINAL GRADE.
17. ALL PVC SANITARY MAINS SHALL MAINTAIN 48" COVER FROM TOP OF FINAL GRADE, PER PINELLAS COUNTY STANDARDS.
18. ALL ASPECTS OF REUSE WATER SYSTEM MUST COMPLY WITH CHAPTER 62-610, F.A.C., LATEST EDITION.
19. BENDS SHALL BE INSTALLED IN FORCE MAIN, WATER MAIN OR IRRIGATION MAIN TO AVOID UNFORESEEN CONFLICTS IN EXISTING OR PROPOSED STRUCTURES.
20. THE JOINT DEFLECTION METHOD SHALL BE USED WHERE PRACTICAL IN LIEU OF INSTALLING BENDS.
21. STUB-OUT LINES ON THE WATER MAIN, FORCE MAIN, AND REUSE MAIN SHALL HAVE RESTRAINED JOINTS FROM THE MAIN LINE TO THE STUB-OUT.
22. MAINTAIN 3' MINIMUM HORIZONTAL SEPARATION BETWEEN REUSE MAINS AND WATER MAINS. MAINTAIN 3' MINIMUM SEPARATION BETWEEN REUSE MAINS AND FORCE MAINS.
23. ALL WATER MAINS SHALL BE DEFLECTED VERTICALLY WHERE CROSSING STORM SEWER PIPE TO OBTAIN A MINIMUM VERTICAL DISTANCE OF 12 INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE STORM SEWER. JOINTS SHALL BE LOCATED SUCH THAT THE DISTANCE FROM THE STORM SEWER AND WATER MAIN JOINT IS AS FAR AS PRACTICAL.
24. WATER MAINS SHOULD BE LAID AT LEAST 3 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED STORM SEWER.
25. AT NO TIME SHOULD VERTICAL CLEARANCE BETWEEN FORCE MAIN OR GRAVITY SEWER AND WATER MAIN BE LESS THAN 12" AT CROSSING OF SAME.
26. AT NO TIME SHOULD HORIZONTAL CLEARANCE BETWEEN FORCE MAIN OR GRAVITY SEWER AND WATER MAIN BE LESS THAN 6" WHEN SAME ARE PARALLELING EACH OTHER.
27. SANITARY SEWERS, FORCE AND IRRIGATION MAINS AND STORM SEWERS SHOULD CROSS UNDER WATER MAINS. SANITARY SEWERS, FORCE AND IRRIGATION MAINS AND STORM SEWERS CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 12 INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE WHENEVER POSSIBLE.
28. WHEN SANITARY SEWERS, FORCE AND REUSE MAINS AND STORM SEWERS MUST CROSS A WATER MAIN WITH LESS THAN 12 INCHES VERTICAL DISTANCE, BOTH THE SEWER AND THE WATER MAIN SHALL BE CONDUITED OR OBJECTIVE IRON PIPE (DIP) AT THE CROSSING. (DIP IS NOT REQUIRED FOR STORM SEWERS IF IT IS NOT AVAILABLE IN THE SIZE PROPOSED) SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF 10 FEET BETWEEN ANY TWO JOINTS. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE LEAK FREE AND MECHANICALLY RESTRAINED. A MINIMUM VERTICAL CLEARANCE OF 6 INCHES MUST BE MAINTAINED AT THE CROSSING.
29. ALL CROSSINGS SHALL BE ARRANGED SO THAT THE SEWER AND IRRIGATION PIPES JOINTS AND THE WATER MAIN PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING (PIPES CENTERED ON THE CROSSING).
30. ALL SUBSURFACE CONSTRUCTION SHALL COMPLY WITH THE "TRENCH SAFETY ACT." THE CONTRACTOR SHALL ENSURE THAT THE METHOD OF TRENCH PROTECTION AND CONSTRUCTION IS IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS.
31. ALL SANITARY SEWER MAINS SHOULD BE INSPECTED BY CLOSED-CIRCUIT TELEVISION PRIOR TO CERTIFICATION.

BELLEAIR COUNTRY CLUB - EAST COURSE RENOVATION

CLIENT: BELLEAIR COUNTRY CLUB
MASTER UTILITY PLAN



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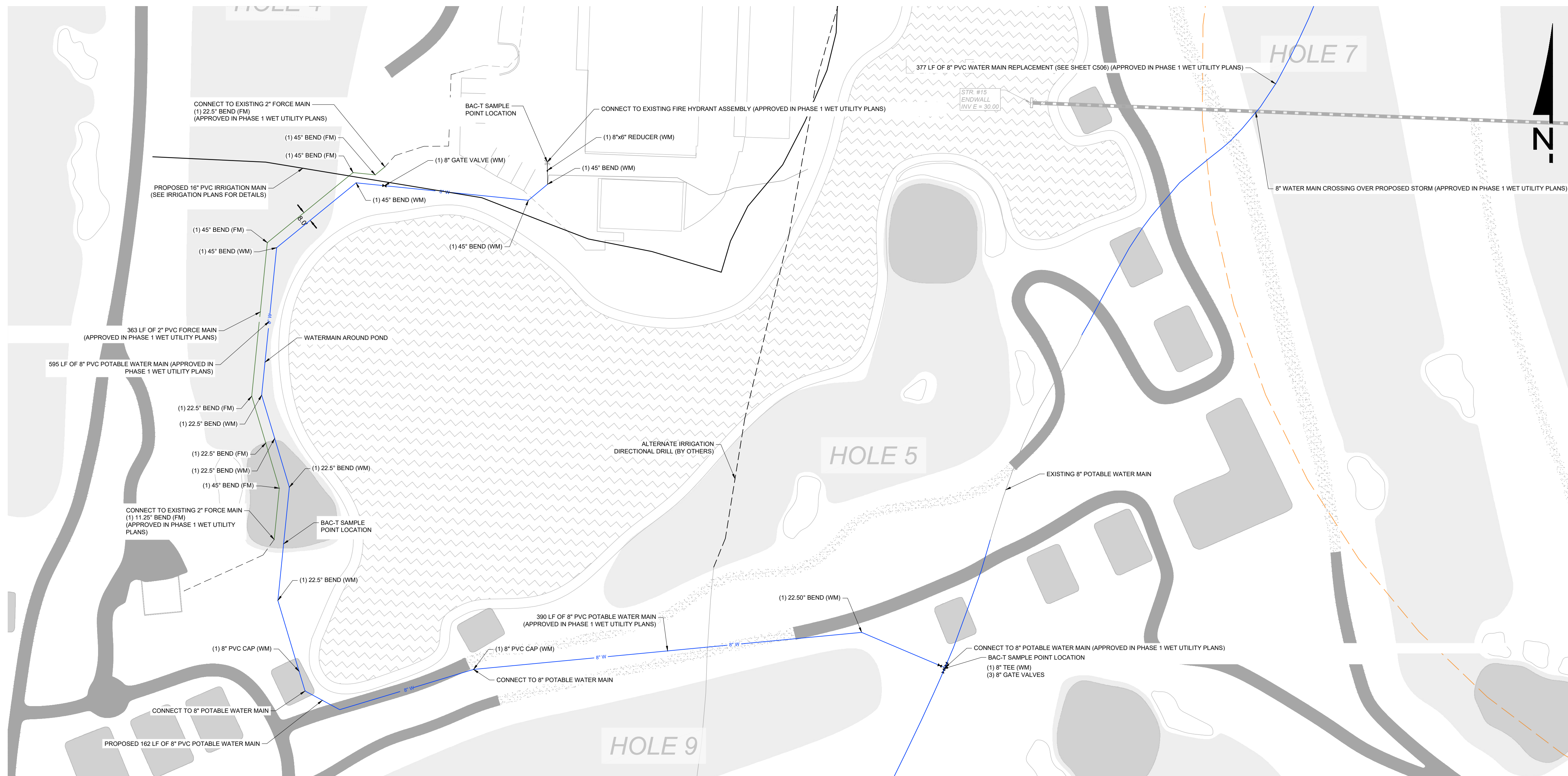
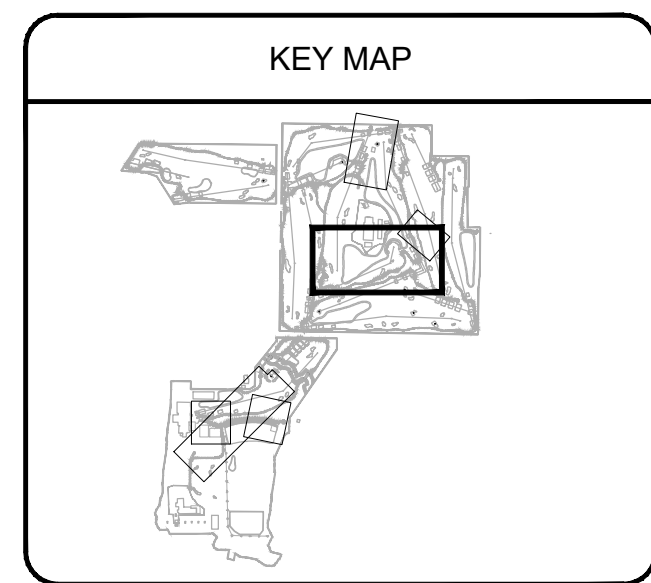
FLORIDA CERTIFICATE OF AUTHORIZATION #8636

RYAN W. POWERS, P.E.
FL LICENSE NO. 82437

SET NUMBER: 23-008-044

VERTICAL ELEVATIONS BASED ON: NAVD-88

C400

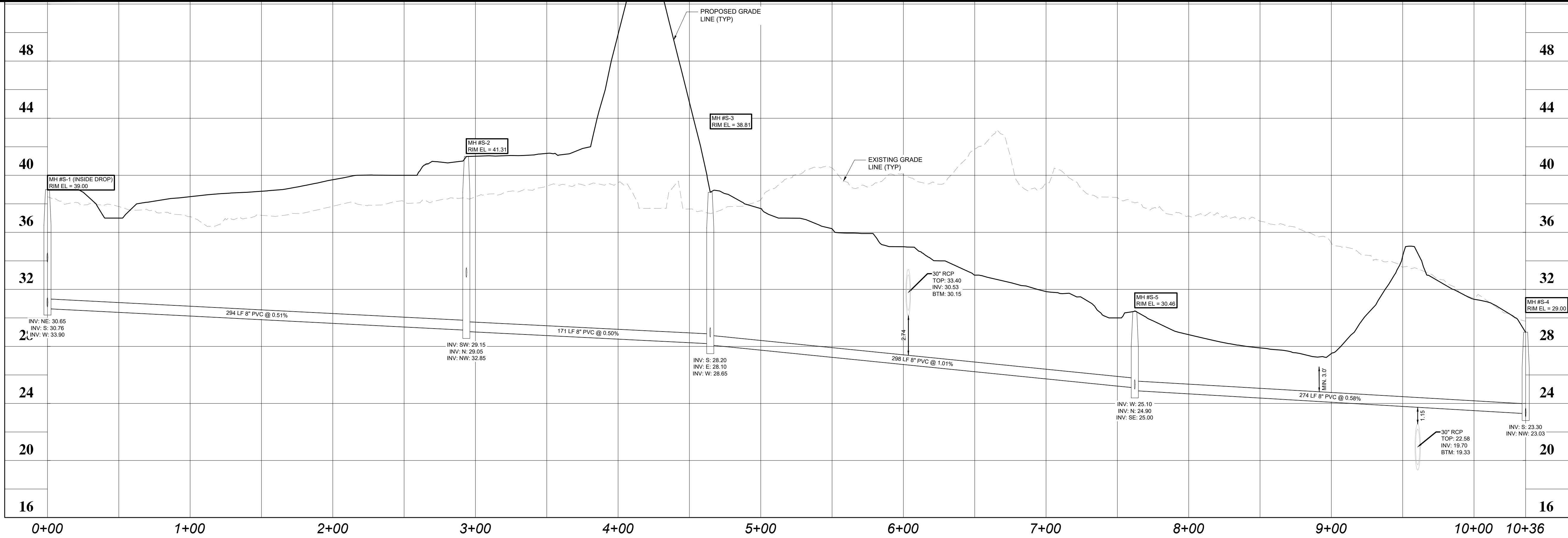
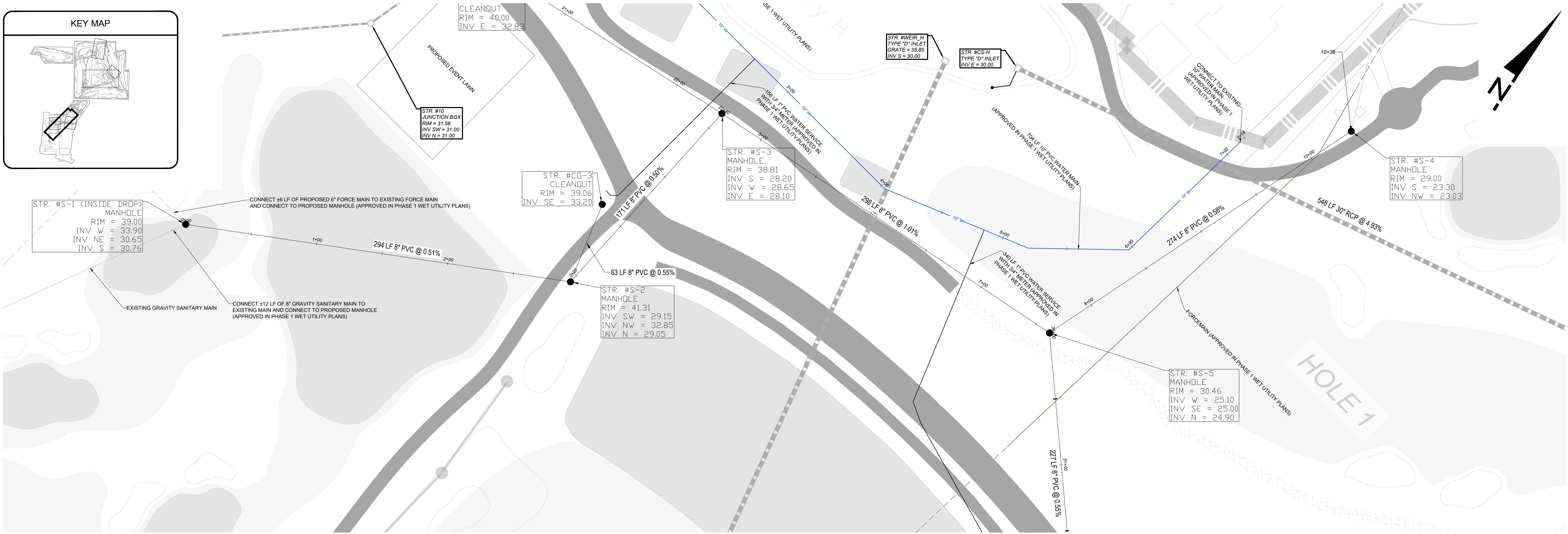
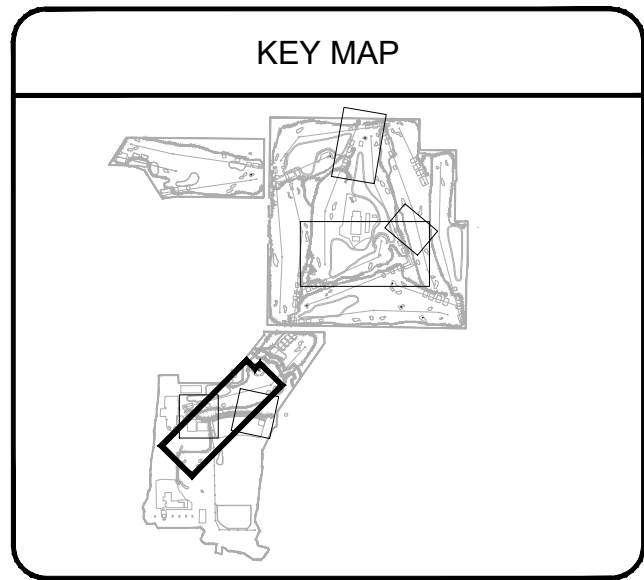


- ## UTILITY NOTES
-
1. IT IS UP TO THE CONTRACTOR TO VERIFY ALL EXISTING UTILITIES WITHIN THE CONSTRUCTION AREA.
 2. ALL EXISTING AND PROPOSED WASTEWATER UTILITIES ARE OWNED BY PINELLAS COUNTY.
 3. ALL EXISING AND PROPOSED POTABLE WATER UTILITIES ARE OWNED BY THE TOWN OF BELLEAIR.
 4. ALL EXISTING AND PROPOSED RECLAIM MAINS ARE OWNED BY THE CITY OF CLEARWATER.
 5. ALL SANITARY SEWER SHALL BE C-900 PVC UNLESS OTHERWISE STATED AND SHALL FOLLOW PINELLAS COUNTY LATEST STANDARDS.
 6. ALL NEWLY INSTALLED WATER DISTRIBUTION MAINS AND SERVICE LATERALS SHALL BE COLOR CODED BLUE.
 7. ALL NEWLY INSTALLED FORCE MAINS AND GRAVITY LINES SHALL BE COLOR CODED GREEN.
 8. ALL NEWLY INSTALLED RECLAIM WATER DISTRIBUTION MAINS AND SERVICE LATERALS SHALL BE COLOR CODED PURPLE.

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VERTICAL ELEVATIONS BASED ON: NAVD-88

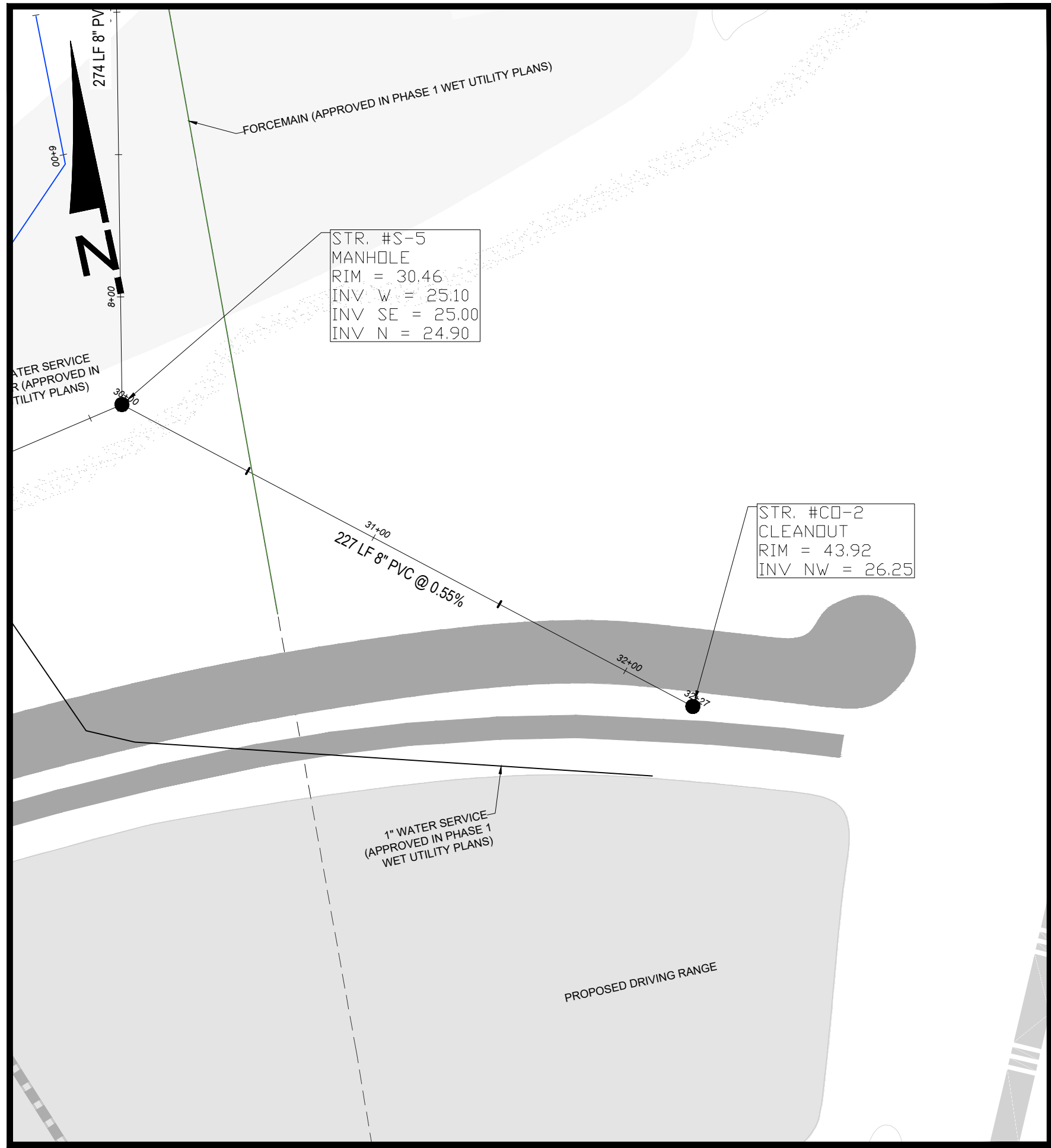
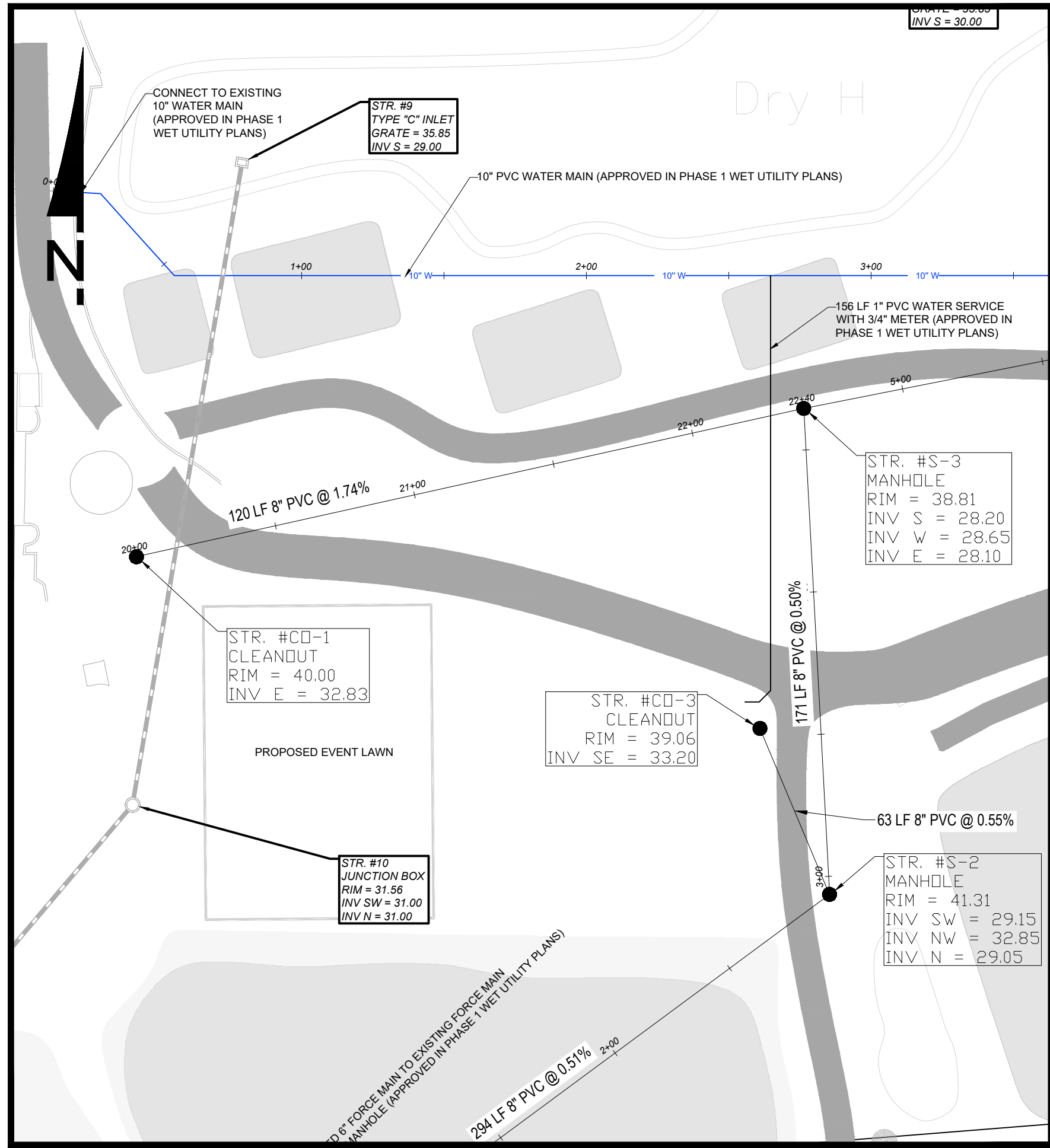
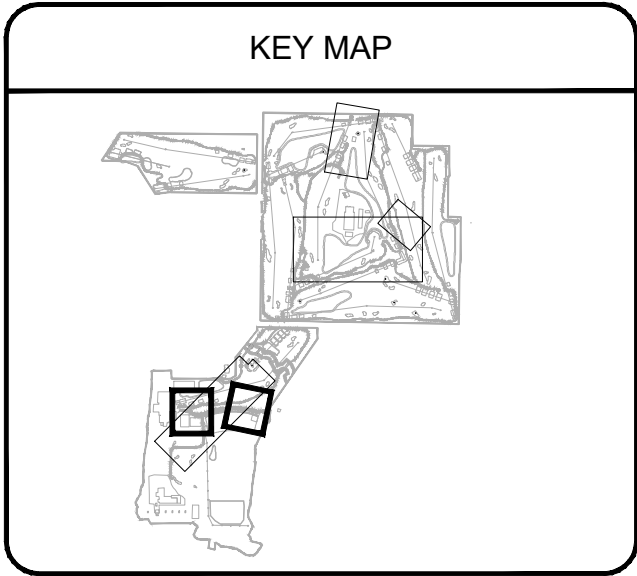
CONSTRUCTION PLANS FOR:

BELLEAIR COUNTRY CLUB - EAST COURSE RENOVATION

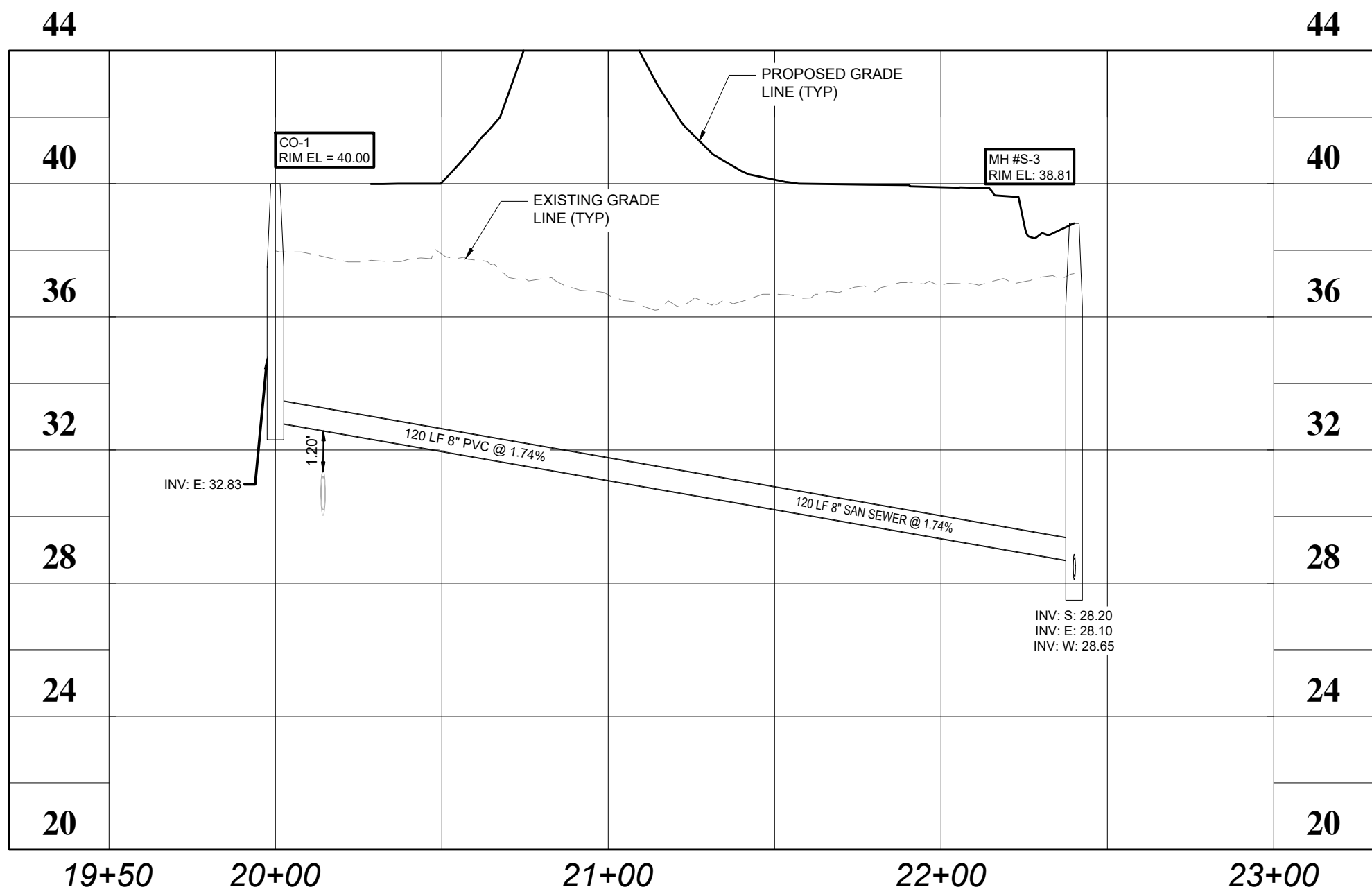
CLIENT: BELLEAIR COUNTRY CLUB
PLAN AND PROFILE - SHEET 1

PLAN REVISIONS		REV#	DATE	REVISIONS
1	7/16/2025	1	7/16/2025	REVISIONS BASED ON TOWN OF BELLEAIR INITIAL COMMENTS
2	8/22/2025	2	8/22/2025	REVISIONS BASED ON TOWN OF BELLEAIR COMMENTS

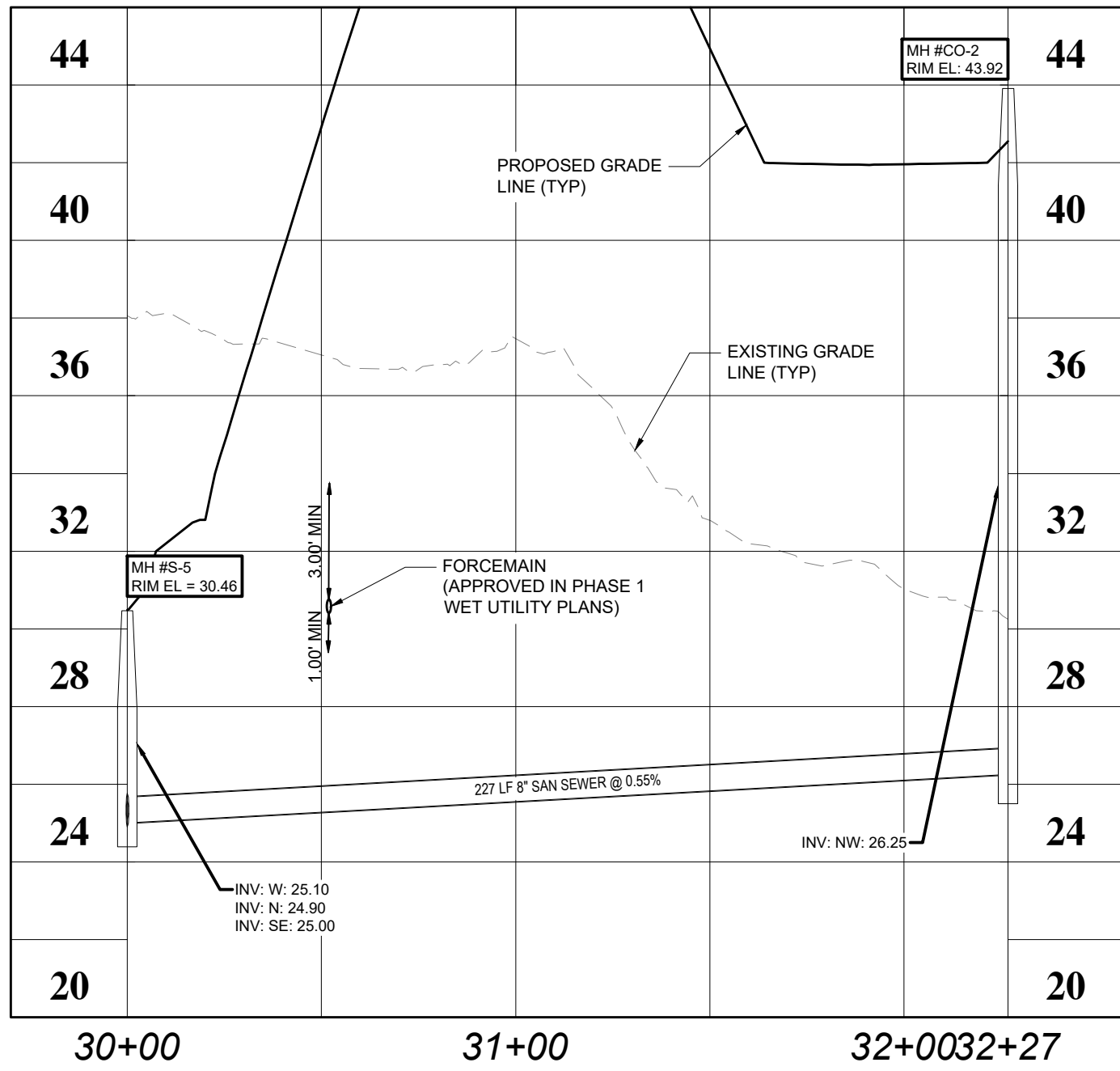
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PROFILE CO-1
19+50.00 ~ 23+00.00



PROFILE CO-2
30+00.00 ~ 32+26.82



CONSTRUCTION PLANS FOR:
**BELLEAIR COUNTRY CLUB -
EAST COURSE RENOVATION**
CLIENT: BELLEAIR COUNTRY CLUB
PLAN AND PROFILE - SHEET 2

PLAN REVISIONS		REVISED	DATE	BY	REVISIONS
1	7/16/2025	REVISIONS BASED ON TOWN OF BELLEAIR INITIAL COMMENTS			
2	8/22/2025	REVISIONS BASED ON TOWN OF BELLEAIR COMMENTS			

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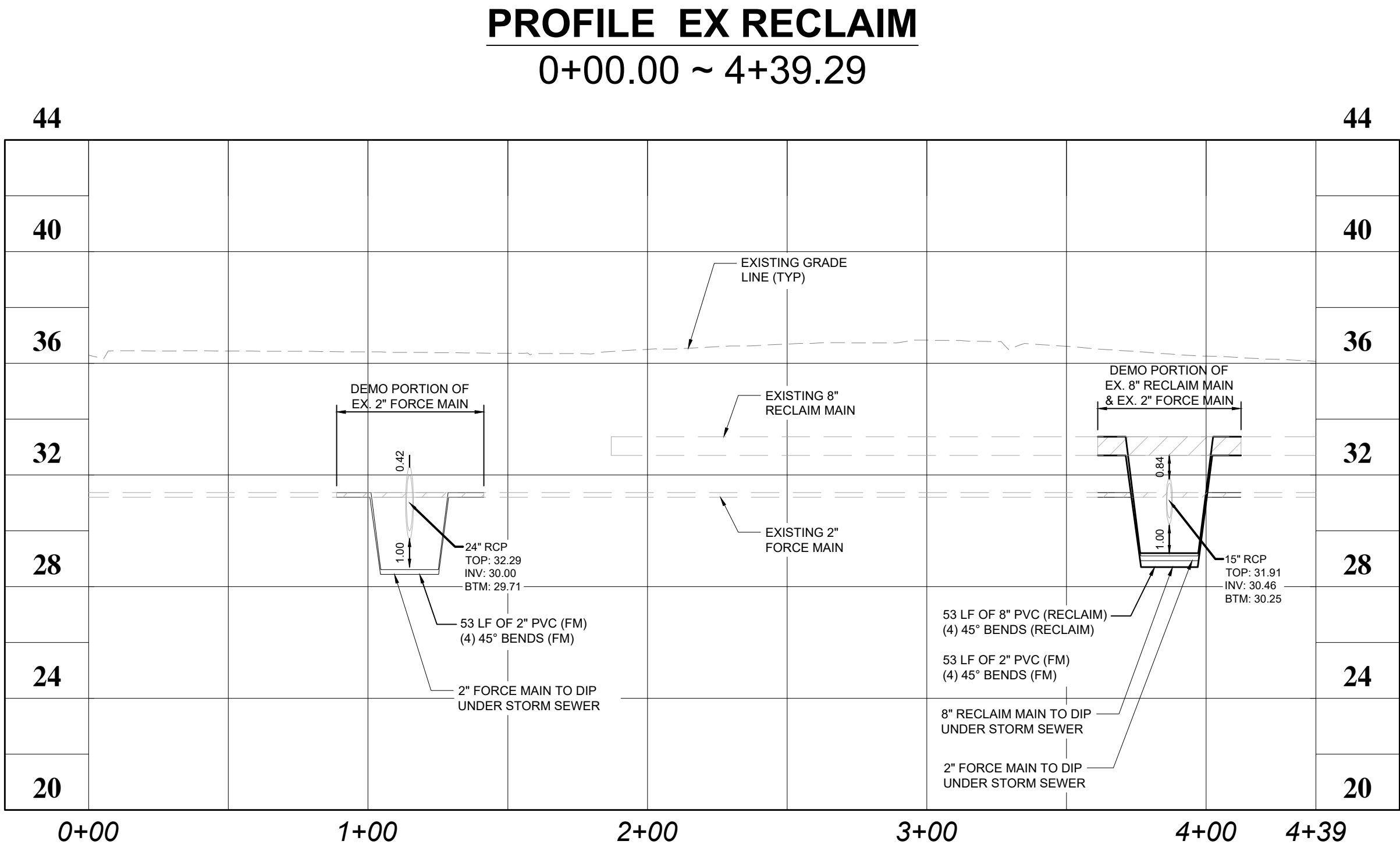
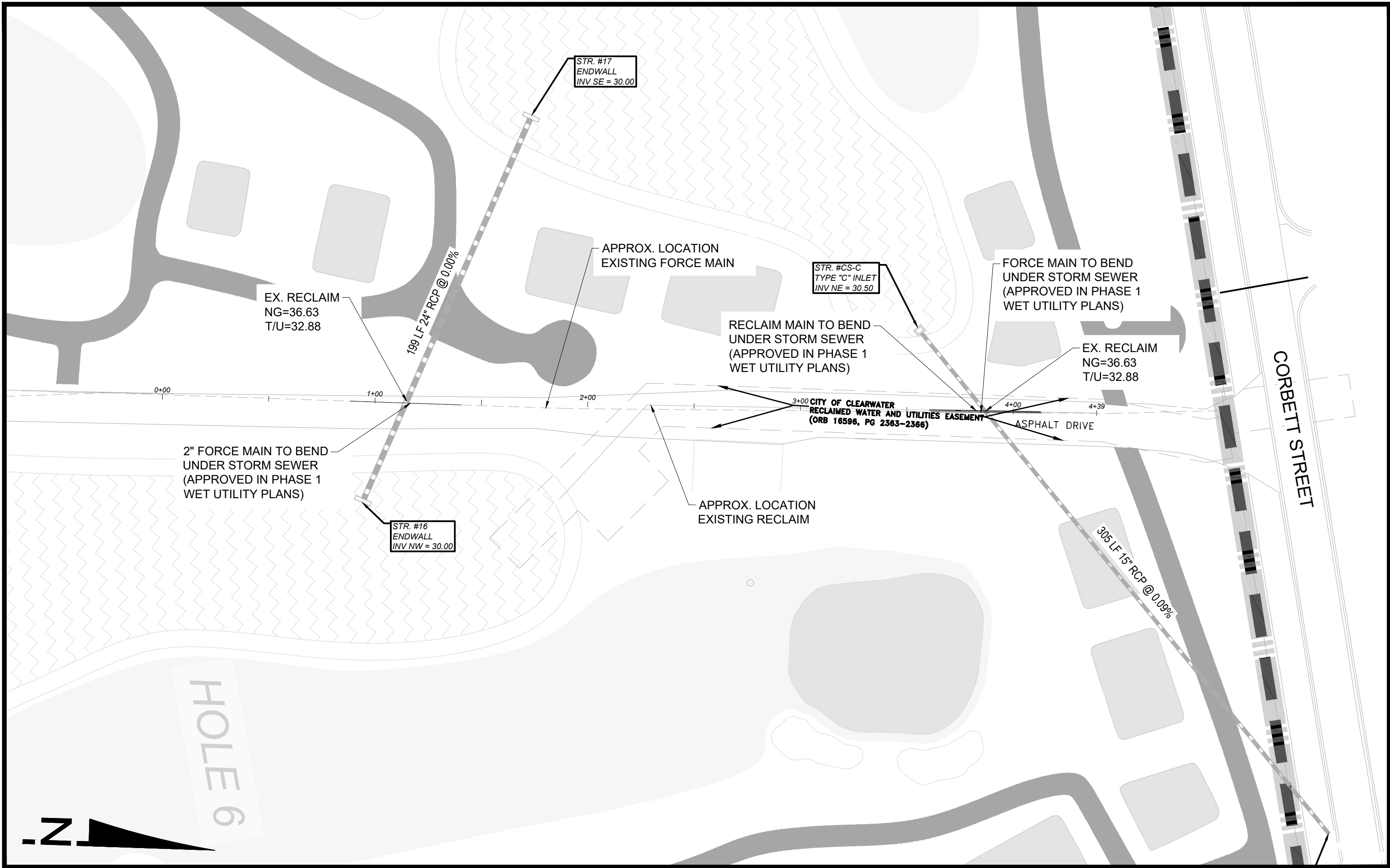
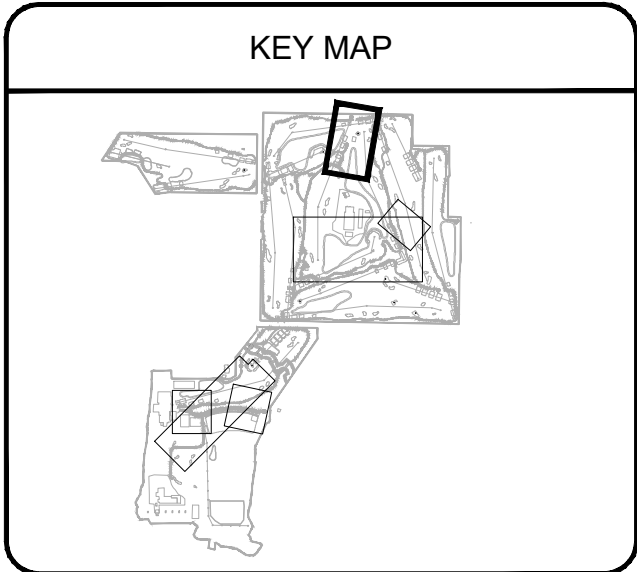
FLORIDA CERTIFICATE OF AUTHORIZATION #8636

RYAN W. POWERS, P.E.
FL LICENSE NO. 82437

SET NUMBER: 23-008-044

VERTICAL ELEVATIONS BASED ON: NAVD-88 SHEET: C502

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CONSTRUCTION PLANS FOR:
**BELLEAIR COUNTRY CLUB -
EAST COURSE RENOVATION**
CLIENT: BELLEAIR COUNTRY CLUB
PLAN AND PROFILE - SHEET 3

PLAN REVISIONS		REVNO	DATE	REVISIONS
1	7/6/2025	1	7/6/2025	REVISIONS BASED ON TOWN OF BELLEAIR INITIAL COMMENTS
2	8/22/2025	2	8/22/2025	REVISIONS BASED ON TOWN OF BELLEAIR COMMENTS
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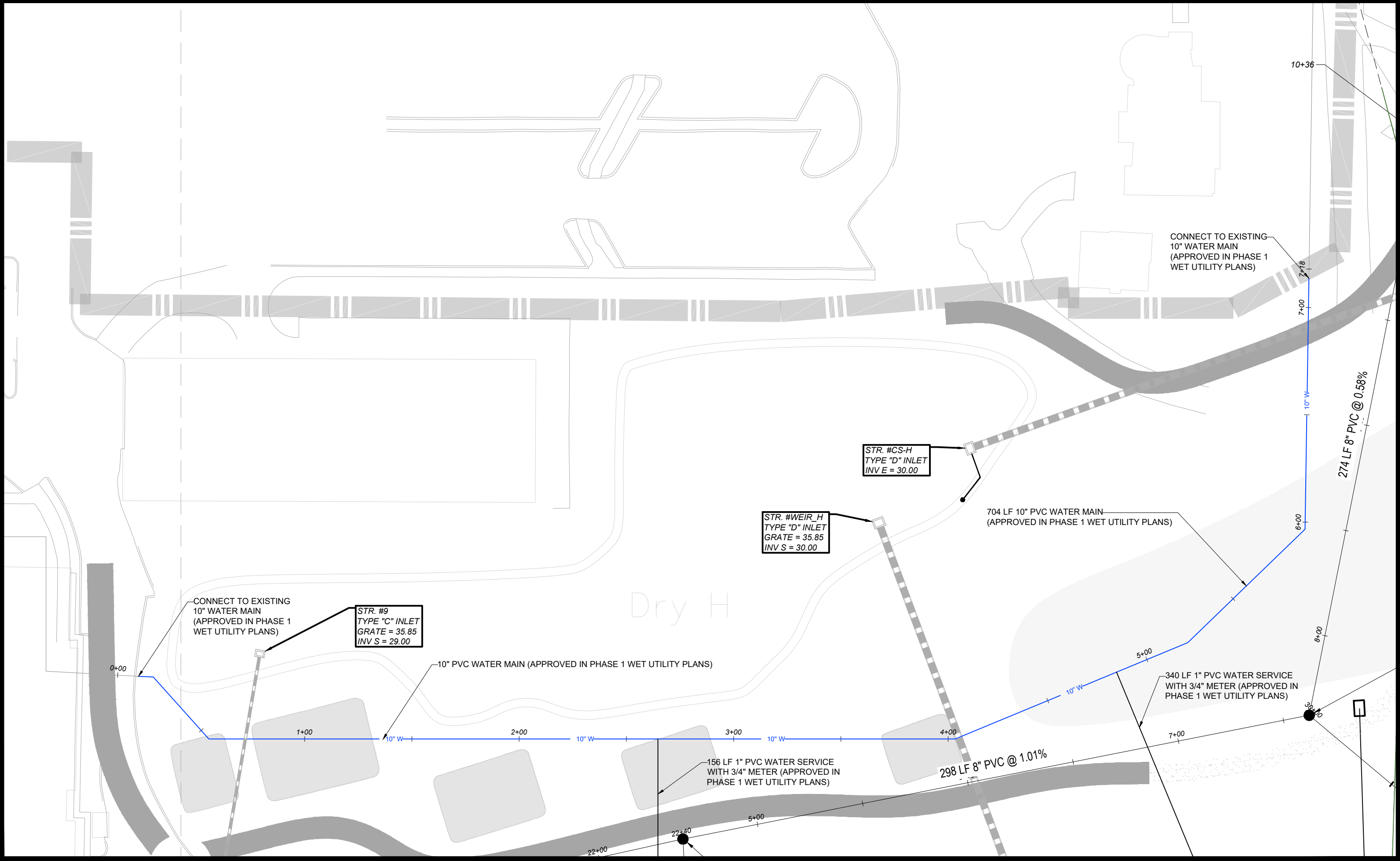
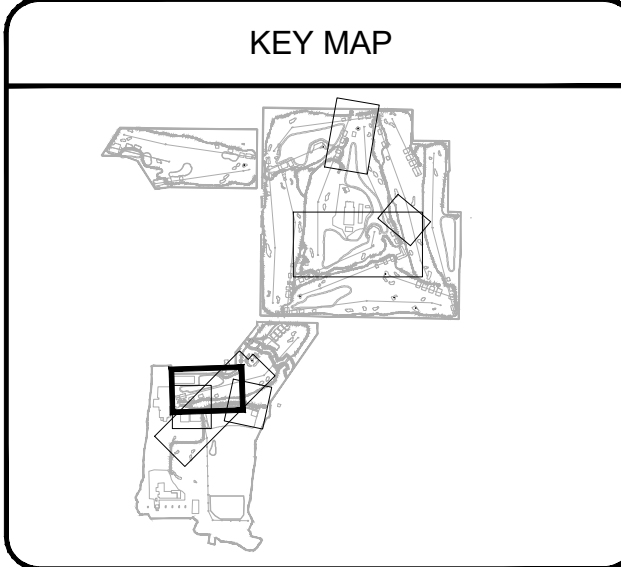
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SET NUMBER: 23-008-044

SHEET : C503

VERTICAL ELEVATIONS BASED ON: NAVD-88



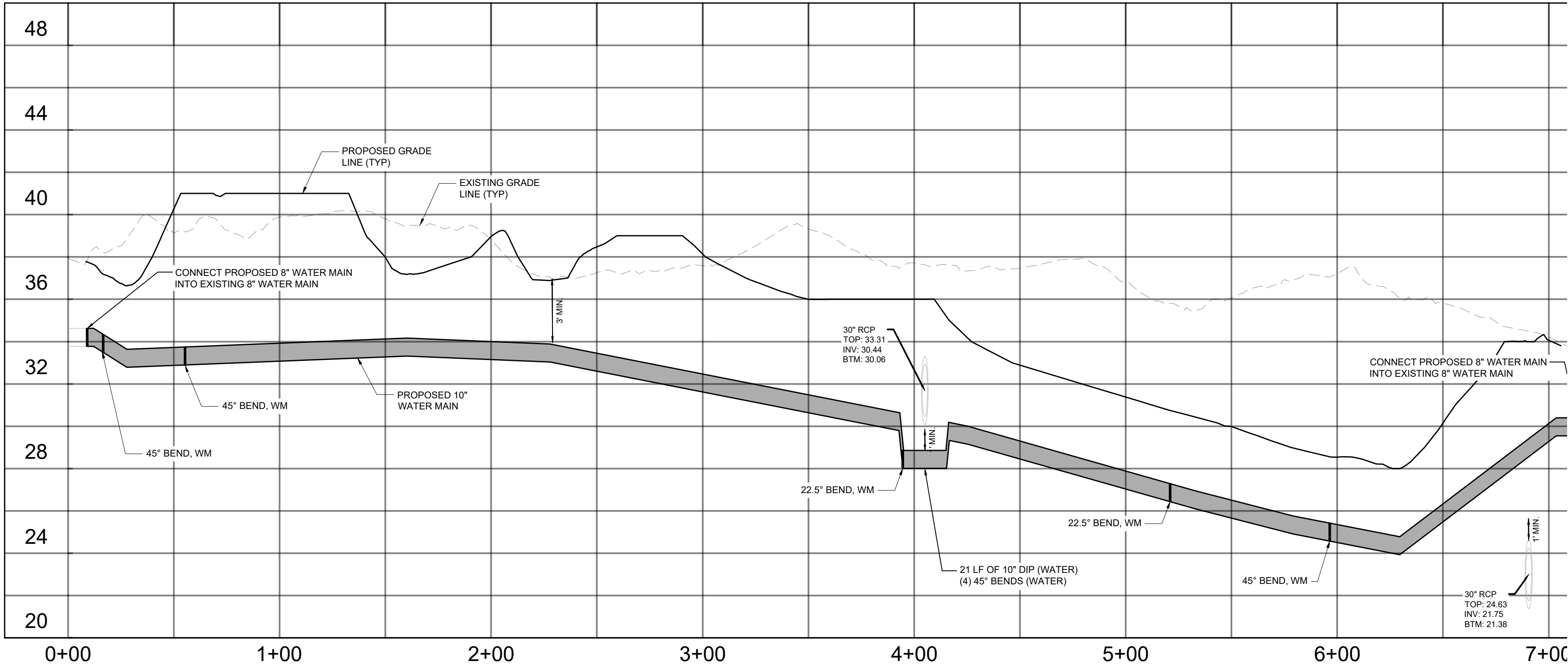
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CONSTRUCTION PLANS FOR:
**BELLEAIR COUNTRY CLUB -
EAST COURSE RENOVATION**
CLIENT: BELLEAIR COUNTRY CLUB
PLAN AND PROFILE - SHEET 4

PROFILE EX WATER MAIN - HOLE 1
0+00.00 ~ 7+17.99



VERTICAL ELEVATIONS BASED ON: NAVD-88

SHEET : C504

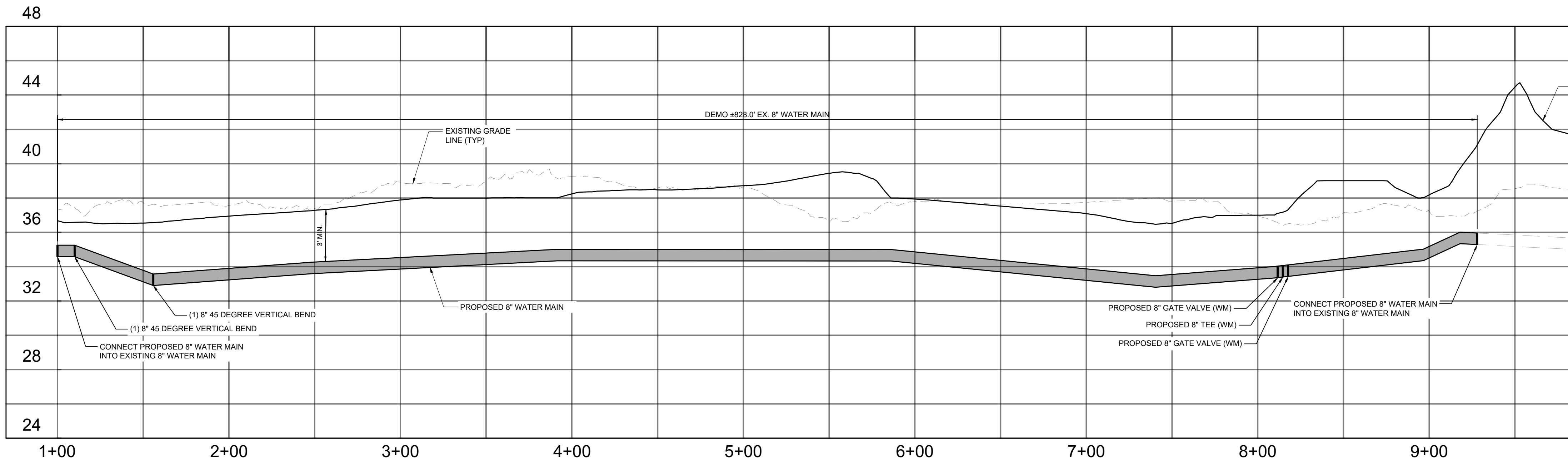
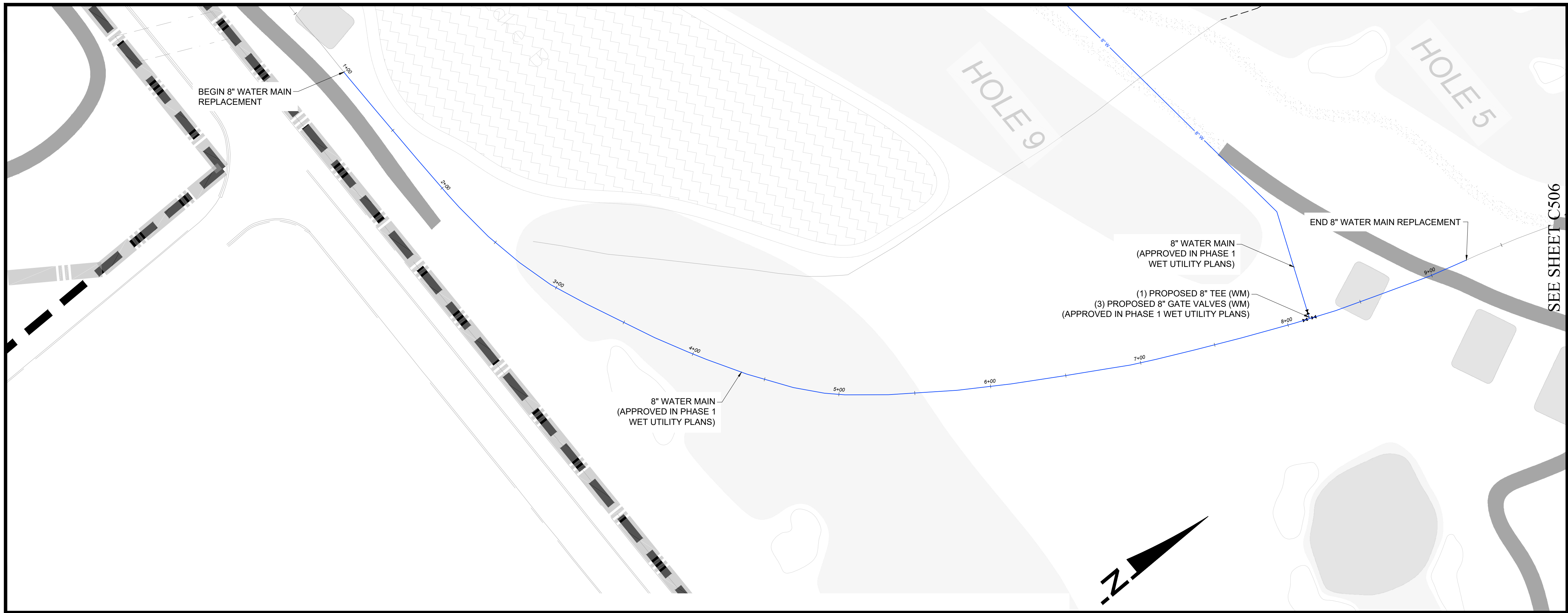
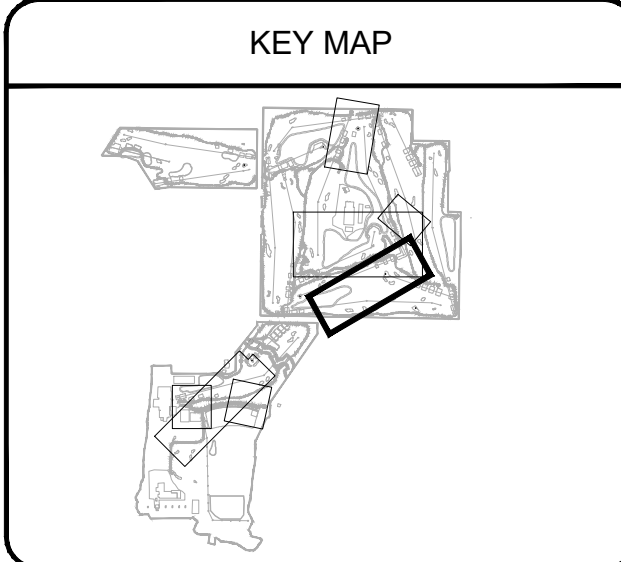
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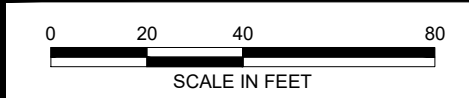
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CONSTRUCTION PLANS FOR:
**BELLEAIR COUNTRY CLUB -
EAST COURSE RENOVATION**
CLIENT: BELLEAIR COUNTRY CLUB
PLAN AND PROFILE - SHEET 5



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SET NUMBER: 23-008-044

VERTICAL ELEVATIONS BASED ON: NAVD-88

SHEET : C505

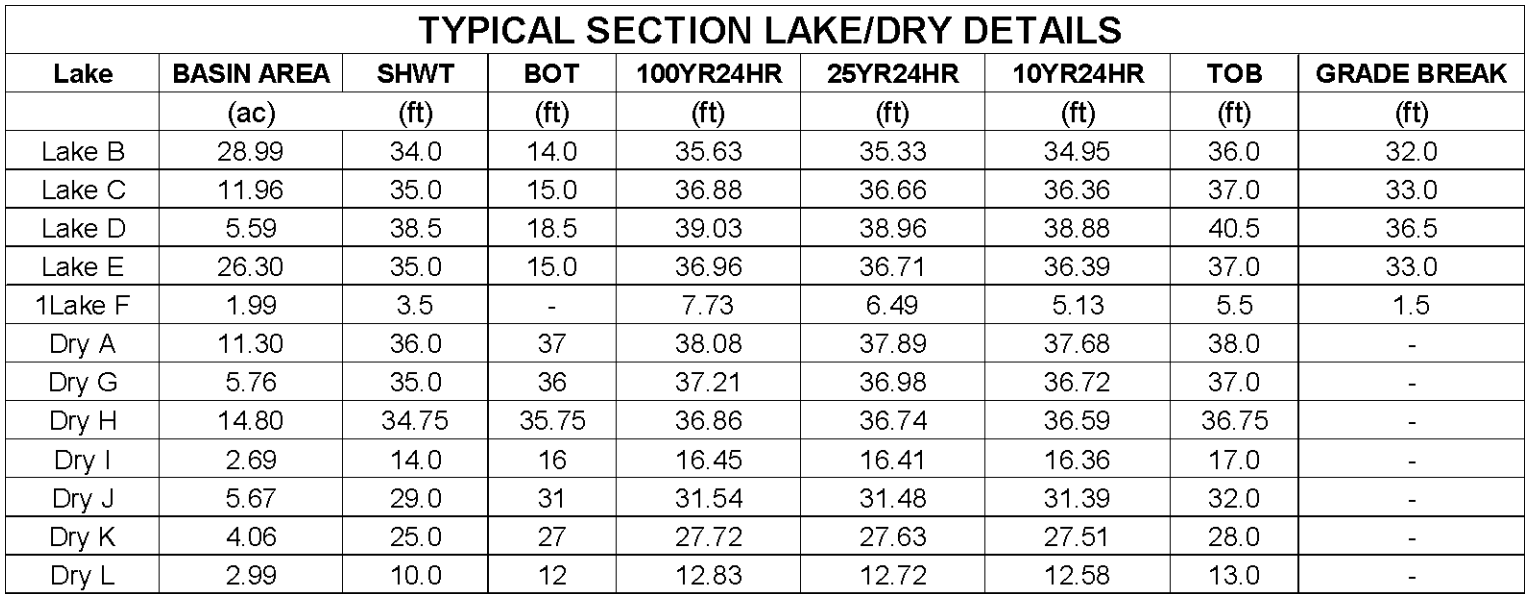


Diagram illustrating the cross-section of Lake F and the proposed golf course layout. Key features and dimensions include:

- PROPOSED GOLF COURSE** and **PROPOSED GOLF CART PATH** are shown on the left side.
- TOP OF BANK = 5.50 (FT-NAVD)** is indicated at the edge of the cart path.
- DHW25 = 6.49 (FT-NAVD)** is the elevation of the existing ground surface.
- CONTROL ELEVATION = 3.50 (FT-NAVD)** is marked at the water level.
- BREAK POINT ELEVATION = 1.50 (FT-NAVD)** is marked at the bottom of the lake.
- PROPERTY BOUNDARY** is indicated on the right side.
- BASIN B-F** and **BASIN B-F-OFF** are labeled at the top of the diagram.
- SLOPES:**
 - 2% MAX** for the cart path.
 - 4:1 MAX** for the left bank.
 - 2:1 MAX** for the right bank.
 - 4:1 MAX** for the right bank (further right).
- Dimensions:**
 - 16.0'** and **4.0'** horizontal distances are shown for the cart path and bank.
 - 4.0'** and **16.0'** horizontal distances are shown for the right bank.
- Vertical Distances:**
 - 3.0'** (Control Elevation to Break Point Elevation).
 - 4.0'** (Break Point Elevation to Bottom of Lake).
 - VARIES** (Bottom of Lake to Lake F).
- Labels:**
 - LAKE F** is labeled above the water level.
 - BOTTOM OF LAKE** is labeled at the lowest point.

Profile view of the proposed golf course showing the transition from Basin B-1 to the Proposed Golf Course. The profile includes a 25.0' buffer zone, Rattlesnake Creek, and another 25.0' buffer zone. Key features include a 4:1 MAX slope, a control elevation of 14.00 (FT-NAVD), and a top of bank elevation of 17.00 (FT-NAVD). The existing grade is shown as a dashed line, and the proposed grading is shown as a solid line. The profile also indicates a match existing ground and a reference grading plan for golf course grading.

16.0'

36.0'

LAKE

TOP OF BANK

CONTROL WATER ELEVATION

BREAK POINT ELEVATION

2.0'

2

20' MAX

4:1 MAX

2:1 MAX

BOTTOM OF LAKE

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CONSTRUCTION PLANS FOR:

**BELLEAIR COUNTRY CLUB -
EAST COURSE RENOVATION**

CLIENT: BELLEAIR COUNTRY CLUB

CROSS SECTIONS

CROSS SECTIONS

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SCALE AS SHOWN

FLORIDA CERTIFICATE OF AUTHORIZATION #8636

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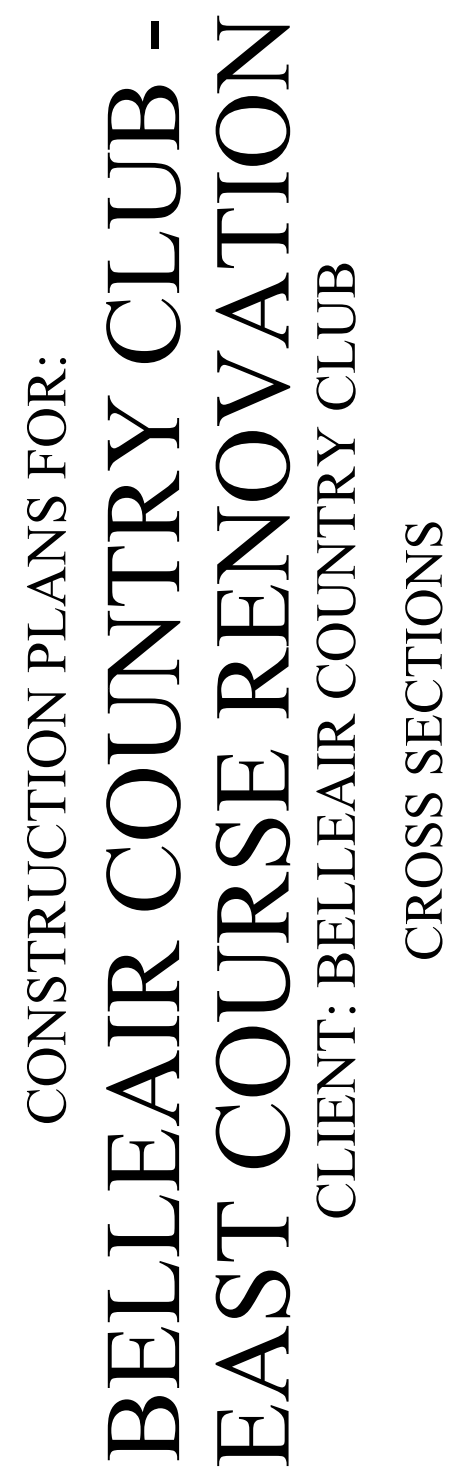
SET NUMBER: 23-008-044

VERTICAL ELEVATIONS BASED ON: NAVD-88

C600



NOTE 1: LAKE F IS EXISTING WITH NO DESIGN POOL VOLUME REQUIRED. BOTTOM ELEVATION IS UNKNOWN



SCALE AS SHOWN

FLORIDA CERTIFICATE OF AUTHORIZATION #8636

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FL LICENSE NO. 82437

SET NUMBER: 23-008-044

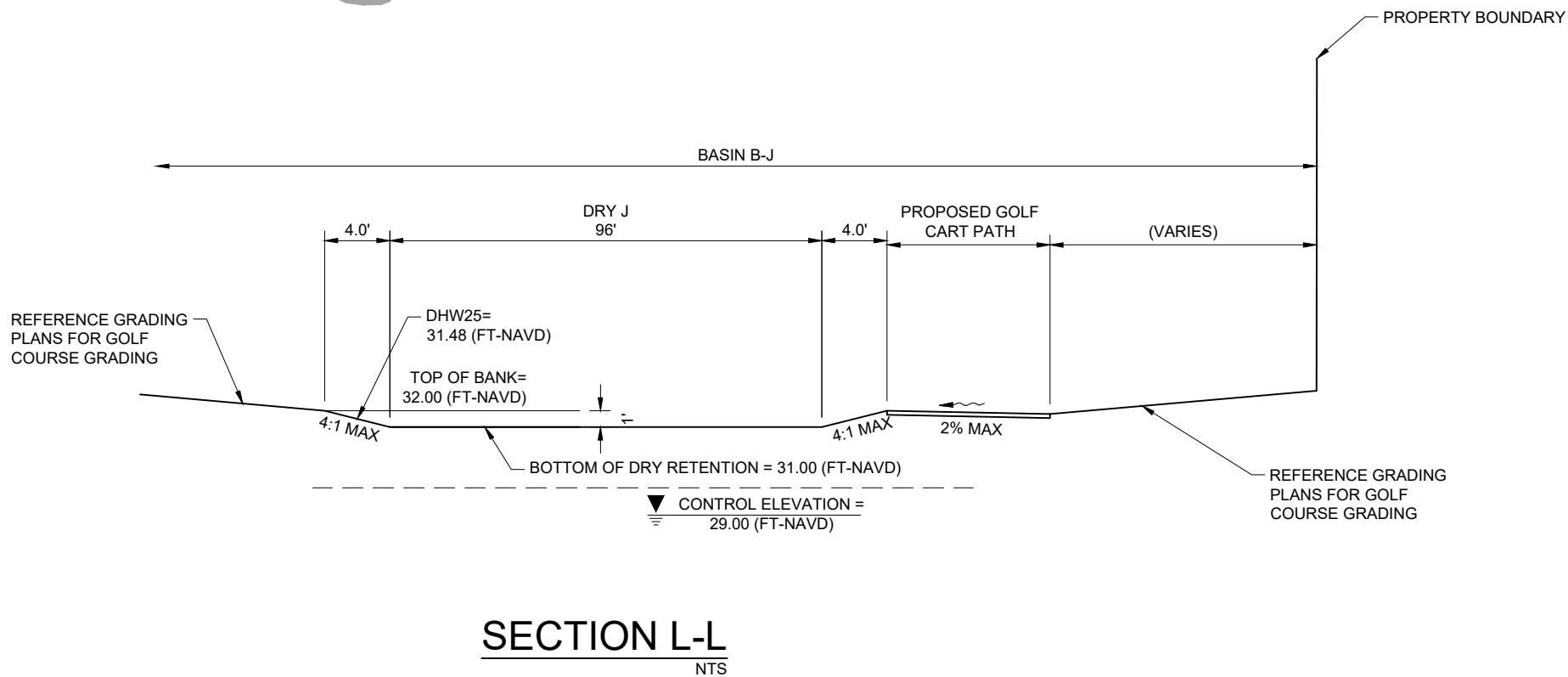
VERTICAL ELEVATIONS BASED ON: NAVD-88 SHEET : C601

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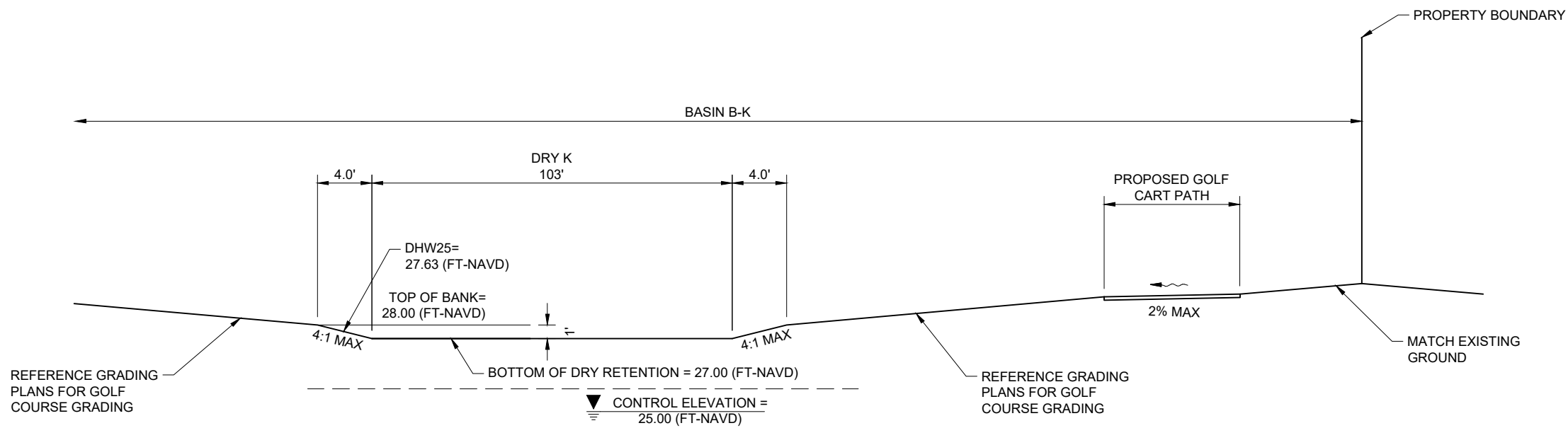


TYPICAL SECTION LAKE/DRY DETAILS								
Lake	BASIN AREA (ac)	SHWT (ft)	BOT (ft)	100YR24HR (ft)	25YR24HR (ft)	10YR24HR (ft)	TOB (ft)	GRADE BREAK (ft)
Lake B	28.99	34.0	14.0	35.63	35.33	34.95	36.0	32.0
Lake C	11.96	35.0	15.0	36.88	36.66	36.36	37.0	33.0
Lake D	5.59	38.5	18.5	39.03	38.96	38.88	40.5	36.5
Lake E	26.30	35.0	15.0	36.96	36.71	36.39	37.0	33.0
1Lake F	1.99	3.5	-	7.73	6.49	5.13	5.5	1.5
Dry A	11.30	36.0	37	38.08	37.89	37.68	38.0	-
Dry G	5.76	35.0	36	37.21	36.98	36.72	37.0	-
Dry H	14.80	34.75	35.75	36.86	36.74	36.59	36.75	-
Dry I	2.69	14.0	16	16.45	16.41	16.36	17.0	-
Dry J	5.67	29.0	31	31.54	31.48	31.39	32.0	-
Dry K	4.06	25.0	27	27.72	27.63	27.51	28.0	-
Dry L	2.99	10.0	12	12.83	12.72	12.58	13.0	-

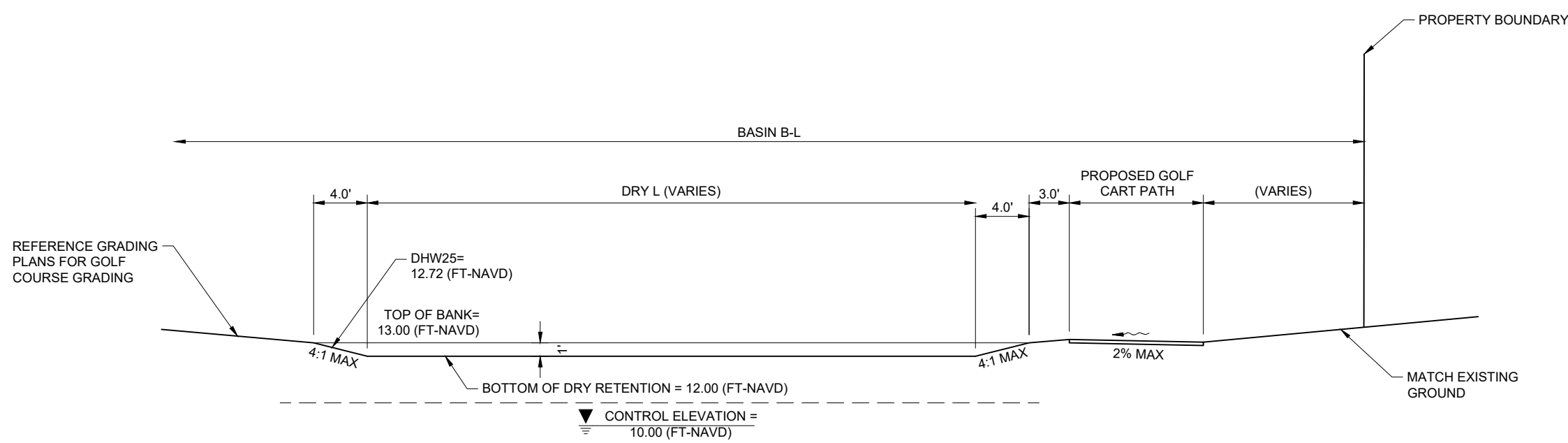
NOTE 1: LAKE F IS EXISTING WITH NO DESIGN POOL VOLUME REQUIRED. BOTTOM ELEVATION IS UNKNOWN



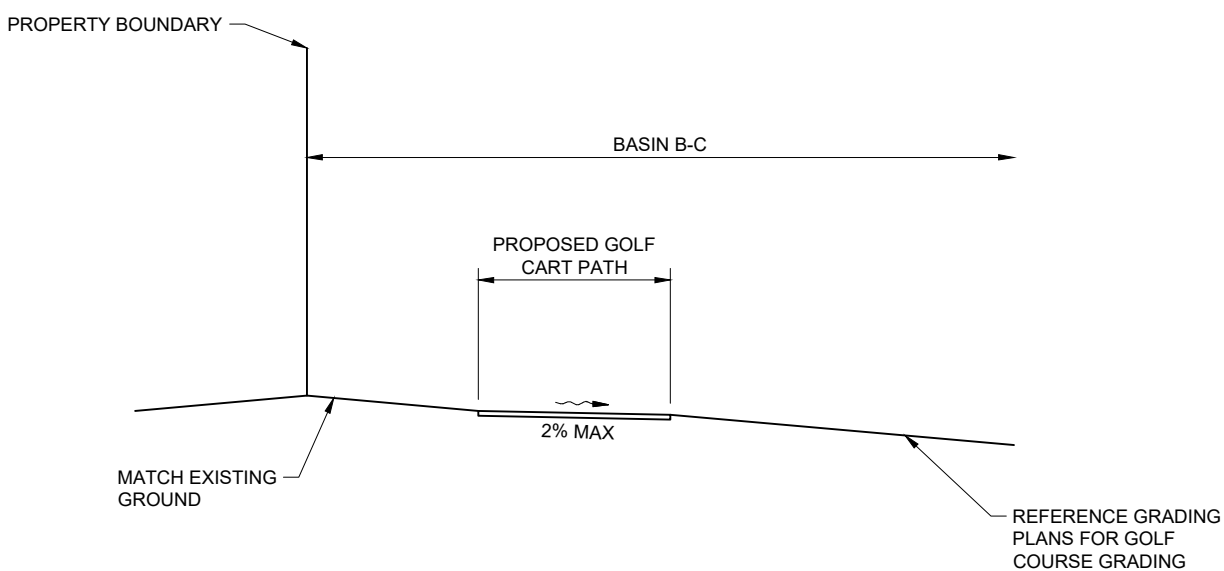
SECTION L-L
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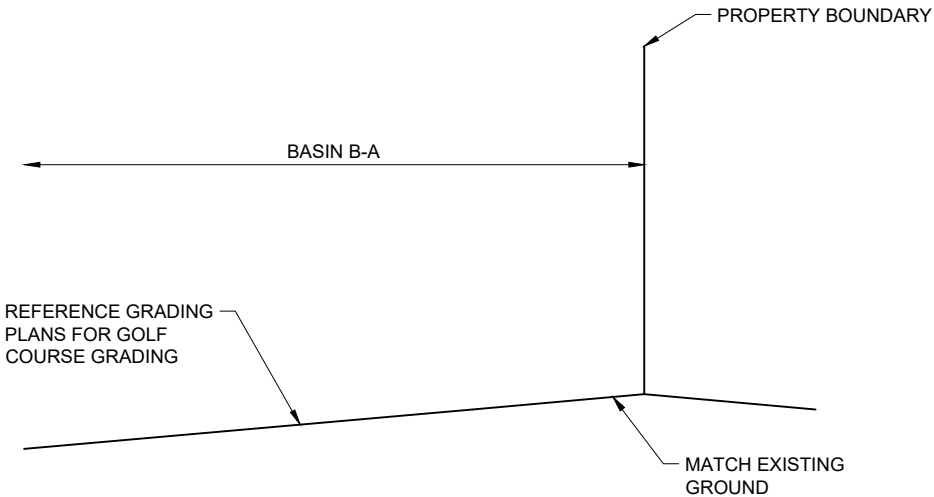
SECTION M-M
NTS



SECTION N-N
NTS



SECTION O-O
NTS



SECTION P-P
NTS



CONSTRUCTION PLANS FOR:
**BELLEAIR COUNTRY CLUB -
EAST COURSE RENOVATION**
CLIENT: BELLEAIR COUNTRY CLUB

CROSS SECTIONS

PLAN REVISIONS		REVIEW <SUBMITTED>> 03/20/25
A	7/9/2025	REVISIONS BASED ON TOWN OF BELLEAIR INITIAL COMMENTS
B	9/22/2025	REVISIONS BASED ON TOWN OF BELLEAIR COMMENTS
C		
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SCALE AS SHOWN
FLORIDA CERTIFICATE OF AUTHORIZATION #8636

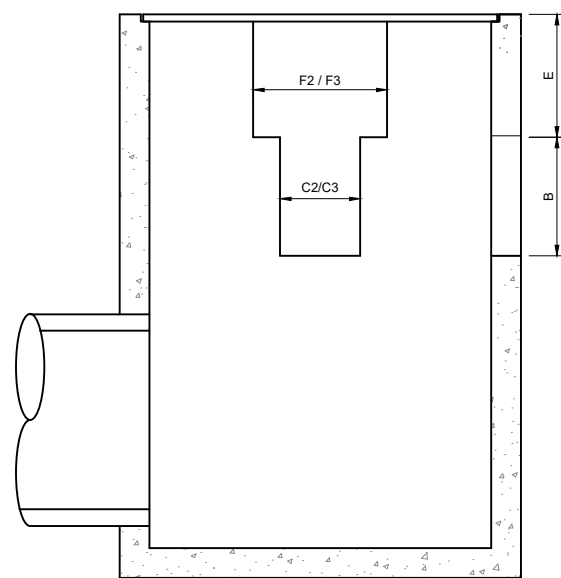
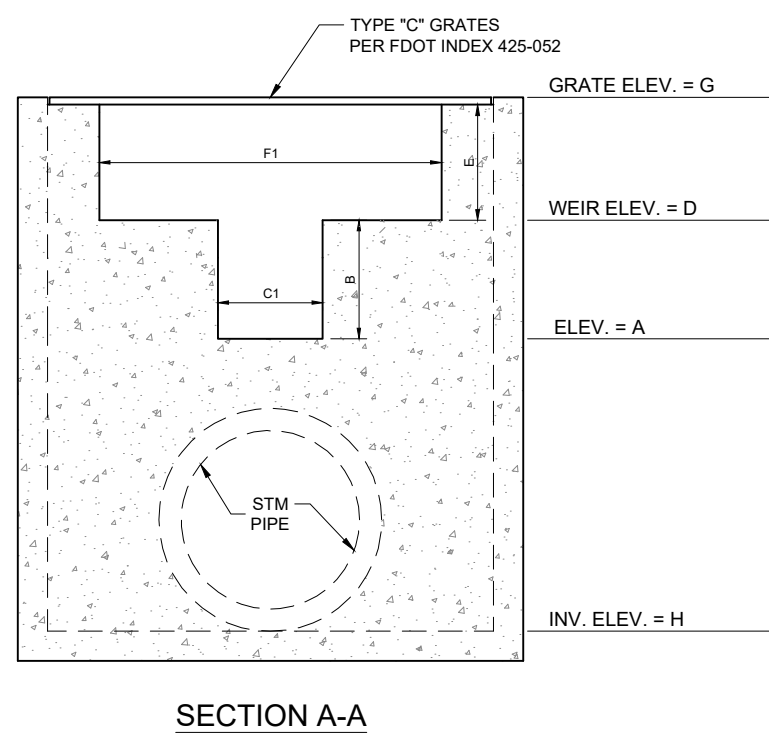
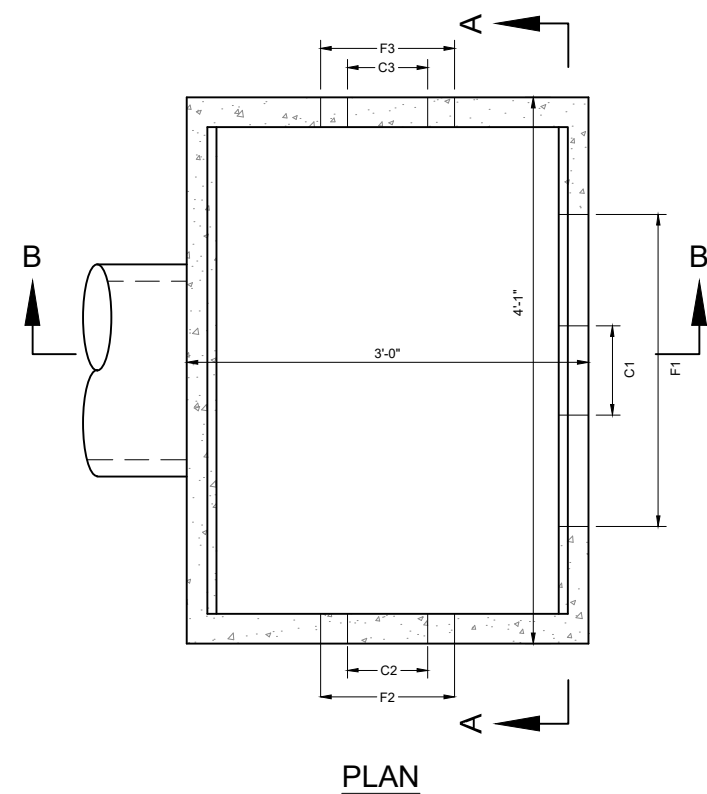
RYAN W. POWERS, P.E.
FL LICENSE NO. 82457

SET NUMBER: 23-008-044

VERTICAL ELEVATIONS BASED ON: NAVD-88
SHEET : C602

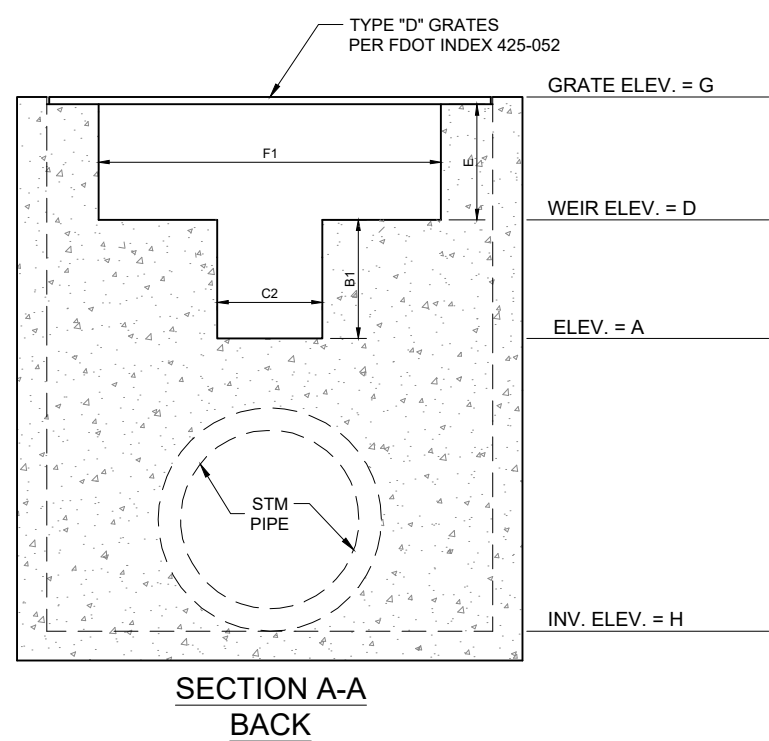
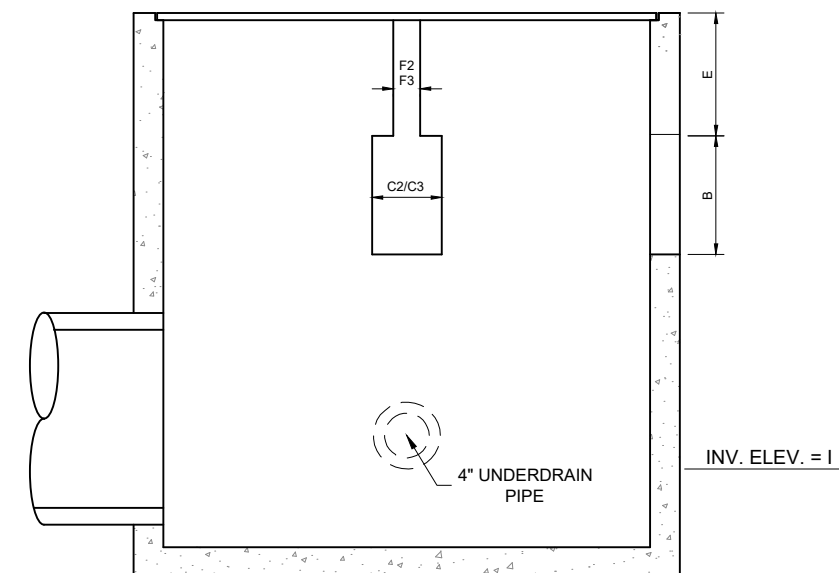
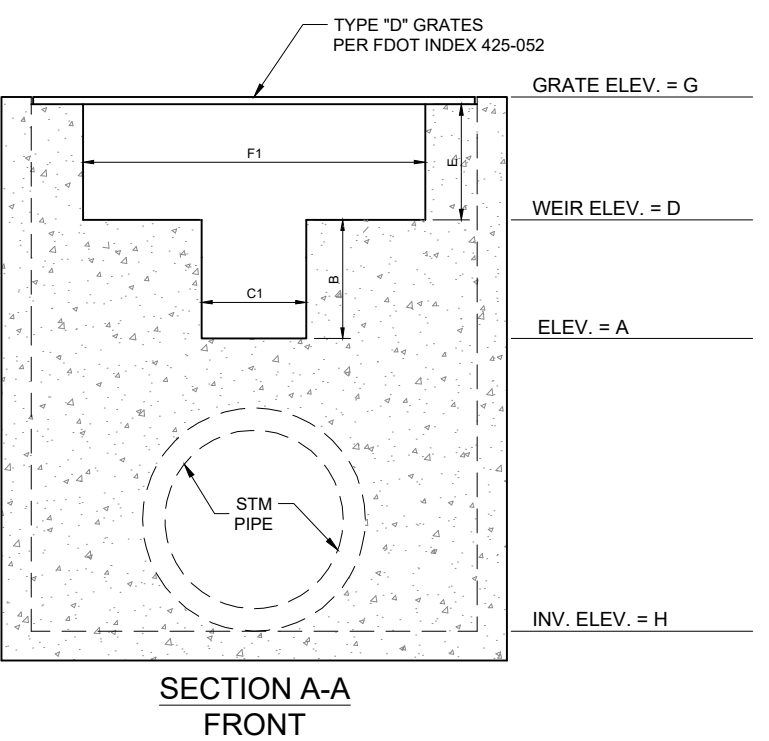
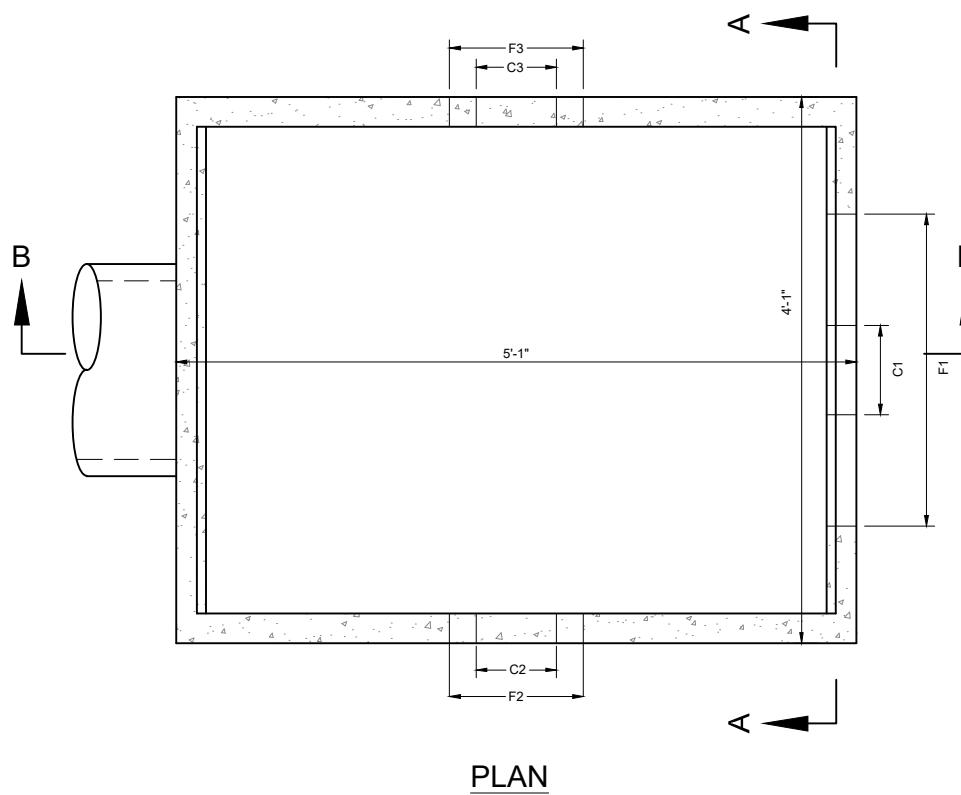
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STR #	ELEV. A (FT-NAVD -88)	HEIGHT B (FT)	WIDTH(1) C1 (FT)	WIDTH(2) C2 (FT)	WIDTH(3) C3 (FT)	WEIR ELEV. D (FT-NAVD -88)	WEIR HEIGHT E (FT)	WEIR WIDTH(1) F1 (FT)	WEIR WIDTH(2) F2 (FT)	WEIR WIDTH(3) F3 (FT)	GRATE ELEV. G (FT-NAVD -88)	PIPE SIZE (IN)	PIPE INV. H (FT-NAVD -88)	PIPE INV. I (FT-NAVD -88)
CS-C	35.23	1.43	0.75	-	-	-	-	-	-	-	36.66	15	30.50	-
CS-I	-	-	-	-	-	-	-	-	-	-	16.20	12	12.00	-
CS-J	-	-	-	-	-	-	-	-	-	-	31.20	24	27.20	-
CS-K	-	-	-	-	-	-	-	-	-	-	27.20	24	23.00	-
CS-L	-	-	-	-	-	-	-	-	-	-	12.20	24	2.00	-

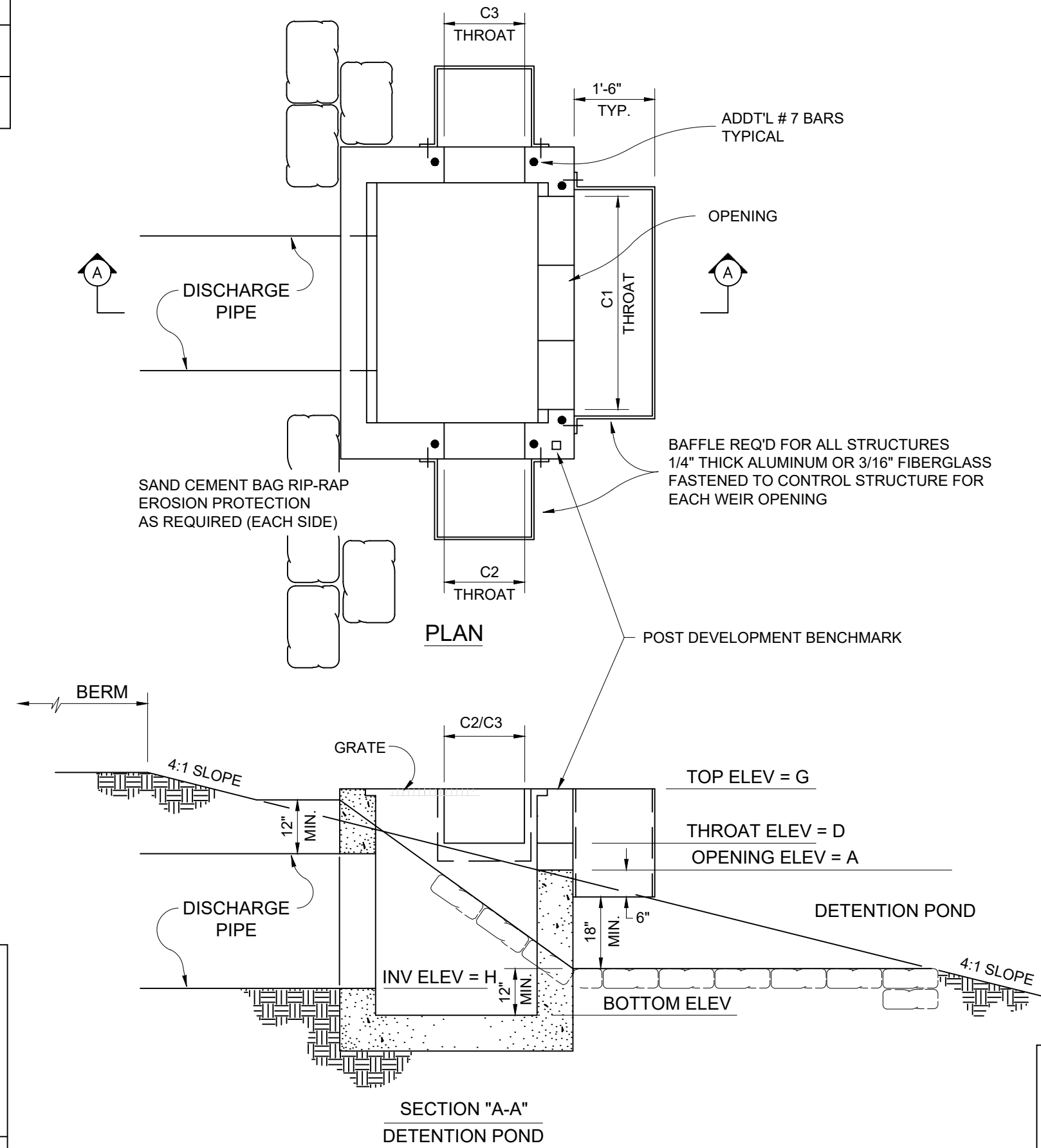


TYPE "C" OUTFALL CONTROL STRUCTURE DETAIL
FOOT TYPE "C" INLET (MODIFIED) NTS
STANDARD PLANS INDEX #425-052

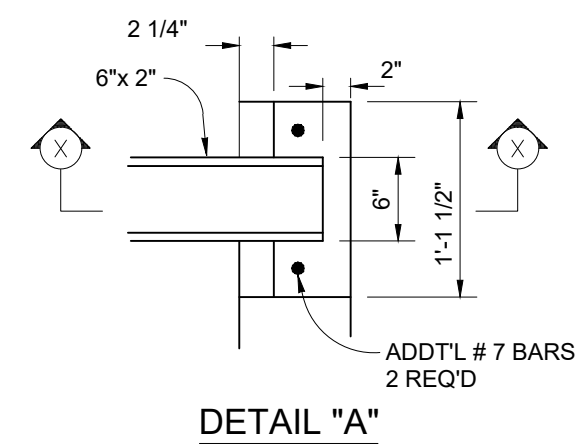
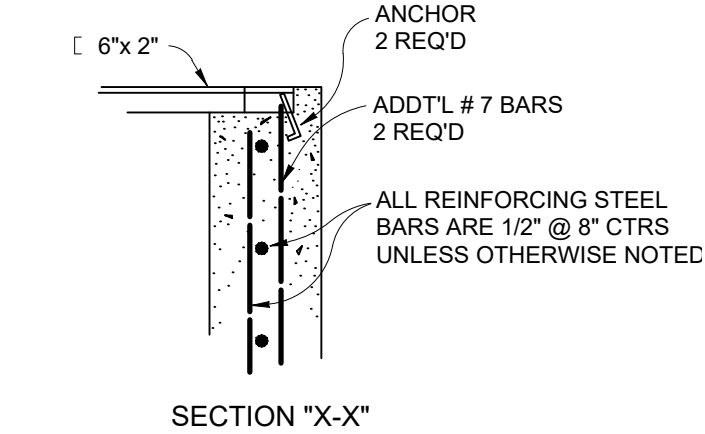
STR #	ELEV. A (FT-NAVD -88)	HEIGHT B (FT)	WIDTH(1) C1 (FT)	BACK WDTH(2) C2 (FT)	WIDTH(3) C3 (FT)	WEIR ELEV. D (FT-NAVD -88)	WEIR HEIGHT B1 (FT)	WEIR WIDTH(1) F1 (FT)	WEIR WIDTH(2) F2 (FT)	WEIR WIDTH(3) F3 (FT)	GRATE ELEV. G (FT-NAVD -88)	PIPE SIZE (IN)	PIPE INV. H (FT-NAVD -88)	PIPE INV. I (FT-NAVD -88)
CS-A	-	-	-	-	-	-	-	-	-	-	37.27	18	34.50	-
CS-A2	-	-	-	-	-	-	-	-	-	-	37.27	12	34.50	34.50
CS-B	34.00	1.33	2.00	-	-	-	-	-	-	-	35.33	24	29.00	-
CS-D	38.5	0.46	4.00	-	-	-	-	-	-	-	38.96	24	33.00	-
CS-F	3.50	0.40	6.00	-	-	-	-	-	-	-	3.90	12	-1.00	-
CS-G	-	-	-	-	-	-	-	-	-	-	36.10	30	32.00	34.00
CS-H	-	-	-	-	-	-	-	-	-	-	35.93	30	30.00	33.00



TYPE "D" OUTFALL CONTROL STRUCTURE DETAIL
FOOT TYPE "D" INLET (MODIFIED) NTS
STANDARD PLANS INDEX #425-052



TYPICAL CONTROL STRUCTURE
(ALL TYPES)



- NOTES:
1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO MANUFACTURING CONTROL STRUCTURES
 2. BAFFLES REQUIRED FOR ALL CONTROL STRUCTURES UNLESS OTHERWISE SPECIFIED

PLAN REVISIONS		REV00 <SUBMITTED> 03/20/25
1	7/29/25	REVISIONS BASED ON TOWN OF BELLEAIR INITIAL COMMENTS
2	9/22/2025	REVISIONS BASED ON TOWN OF BELLEAIR COMMENTS

NOT TO SCALE
FLORIDA CERTIFICATE OF AUTHORIZATION #8636

RYAN W. POWERS, P.E.
FL LICENSE NO. 82437

SET NUMBER: 23-008-044

SHEET: C720

- NOTES
- 1.) CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTING CONTROL STRUCTURES.

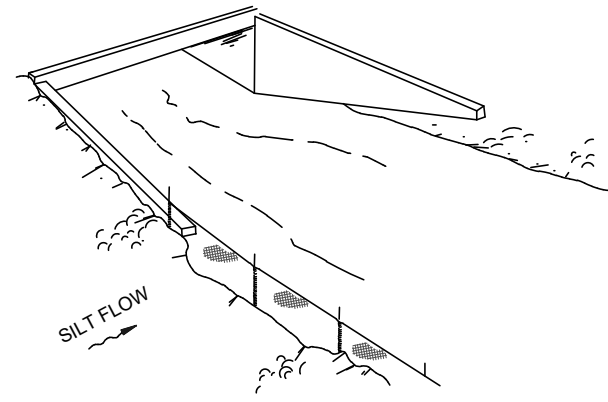
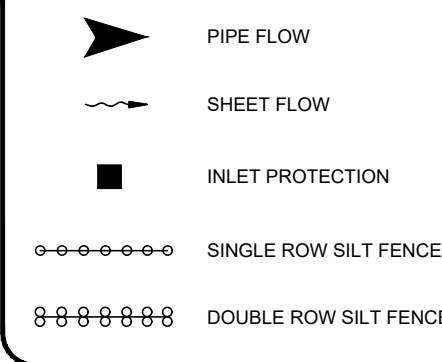
VERTICAL ELEVATIONS BASED ON: NAVD-88

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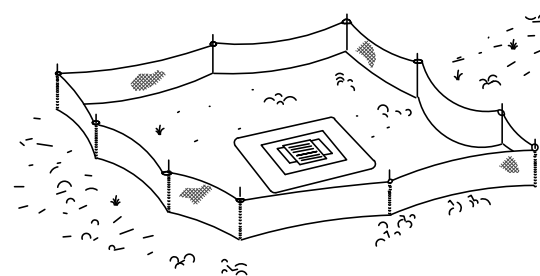
SURFACE WATER POLLUTION PREVENTION NOTES

1. INSTALL EROSION CONTROL DEVICES AROUND THE PROJECT BOUNDARY AND AS NEEDED TO PREVENT SOIL FROM LEAVING THE SITE.
2. EROSION CONTROL DEVICES WILL BE BUILT TO PREVENT SOIL FROM LEAVING THE SITE AND SHALL BE INSTALLED PRIOR TO ANY SITE GRUBBING AND/OR DEMOLITION.
3. WRAP INLET GRATES WITH FILTER FABRIC UNTIL THE DRAINAGE AREA DRAINING TO EACH INLET IS STABILIZED WITH EITHER PAVEMENT OR SOID.
4. MAINTAIN SILT FENCE, HAY BALES, FILTER FABRIC, AND ALL OTHER EROSION CONTROL DEVICES UNTIL STABILIZATION IS ESTABLISHED TO PREVENT SOIL FROM LEAVING THE SITE.
5. INSTALL ALL EROSION CONTROL DEVICES AS PER 2024 F.D.O.T. STANDARD INDEX.
6. IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, STABILIZE THE EFFECTIVE AREA BY USING WETTING OR OTHER ACCEPTABLE METHODS.
7. REMOVE ALL SILTATION ACCUMULATIONS GREATER THAN THE LESSER OF 12 INCHES OR ONE-HALF THE DEPTH OF THE SILTATION CONTROL DEVICE.
8. REMOVE SILTATION ACCUMULATIONS IN ANY DRAINAGE PIPE AFFECTED BY CONSTRUCTION ACTIVITIES ON THE SITE PRIOR TO COMPLETION OF CONSTRUCTION.
9. LOCATION OF EROSION CONTROL DEVICES MAY BE ADJUSTED DUE TO FIELD CONDITIONS.
10. DETAILS REPRESENT TYPICAL MEASURES FOR THE SITUATION DEPICTED. BASED ON SITE CONDITIONS ALL DETAILS MAY NOT BE APPLICABLE TO THE PROJECT. USE APPROPRIATE DETAIL THE SITUATION DEPICTED IN ENCOUNTERED ON SITE.
11. BARRIERS ARE TO BE HIGHLY VISIBLE WITH BRIGHTLY COLORED ALL-WEATHER MESH MATERIAL OR EQUIVALENT, AND THE STAKES SHALL BE NO MORE THAN 10' APART.

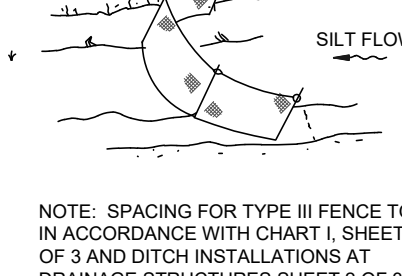
LEGEND



TYPE III SILT FENCE



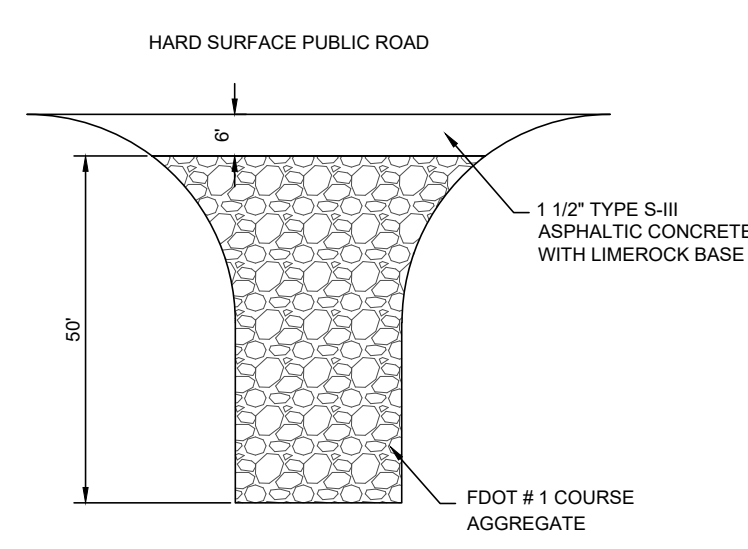
TYPE III SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS



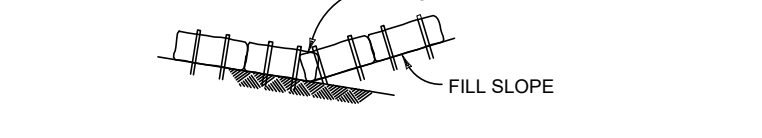
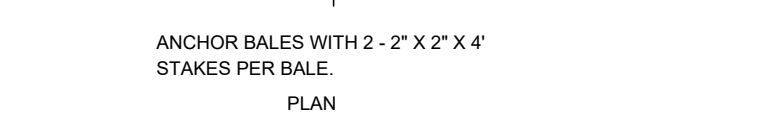
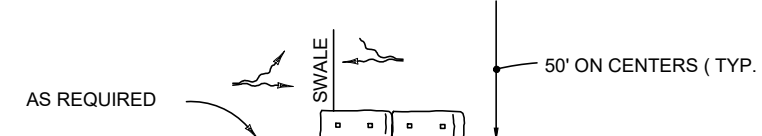
TYPE III SILT FENCE

DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.

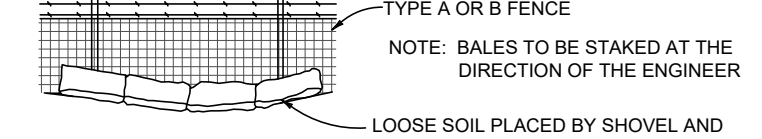
SILT FENCE APPLICATIONS



GRAVEL CONSTRUCTION ENTRANCE

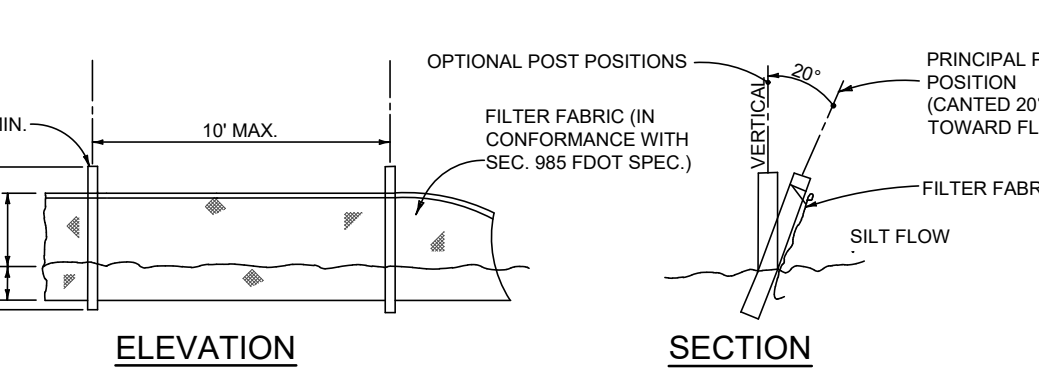


TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES TOWARD THE TOE OF SLOPE



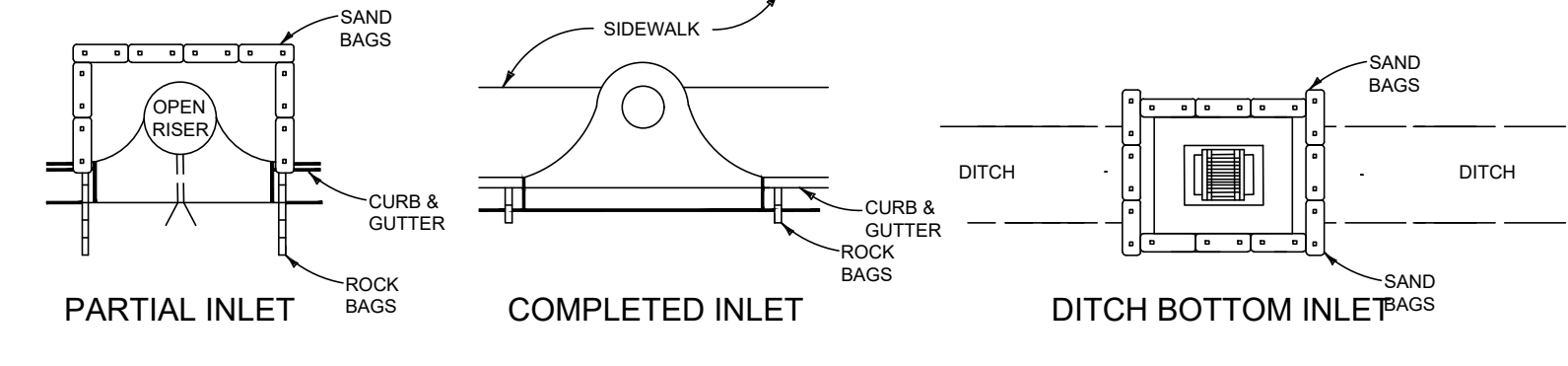
BALES BACKED BY FENCE

POST OPTIONS:
SOFTWOOD 2 1/2" MIN. DIA.
HARDWOOD 1 1/2" x 1 1/2"
STEEL 1.33 LBS / FT. MIN.

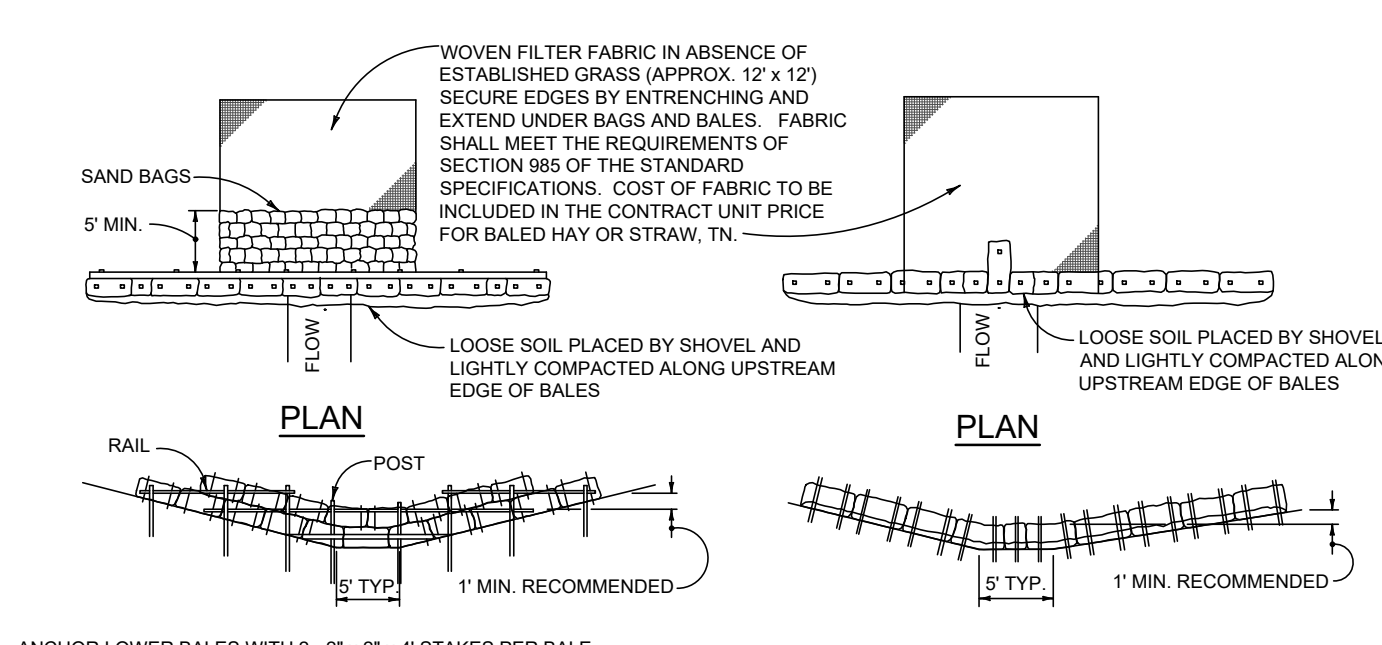


NOTE: SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE (LF)

TYPE III SILT FENCE



PROTECTION AROUND INLETS OR SIMILAR STRUCTURES



ANCHOR LOWER BALES WITH 2' x 2' x 4' STAKES PER BALE
ANCHOR TOP BALES TO LOWER BALES WITH 2' x 2' x 4' STAKES PER BALE

ELEVATION

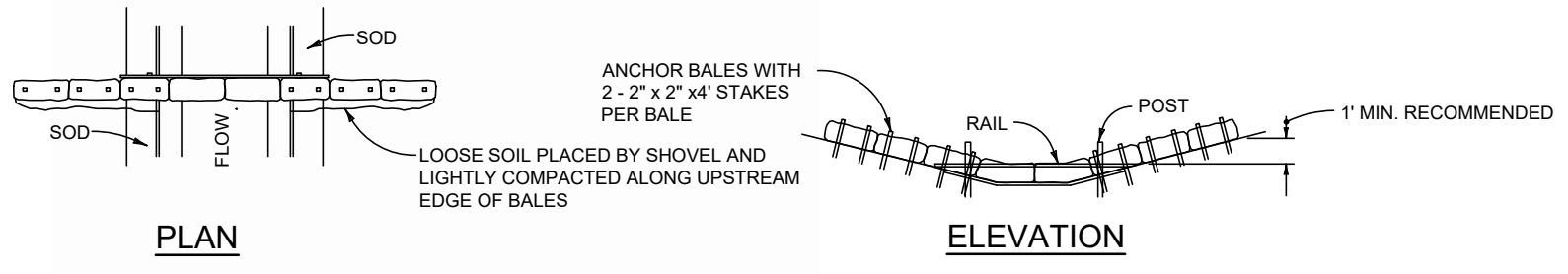
TYPE II

BARRIER FOR UNPAVED DITCHES

ELEVATION

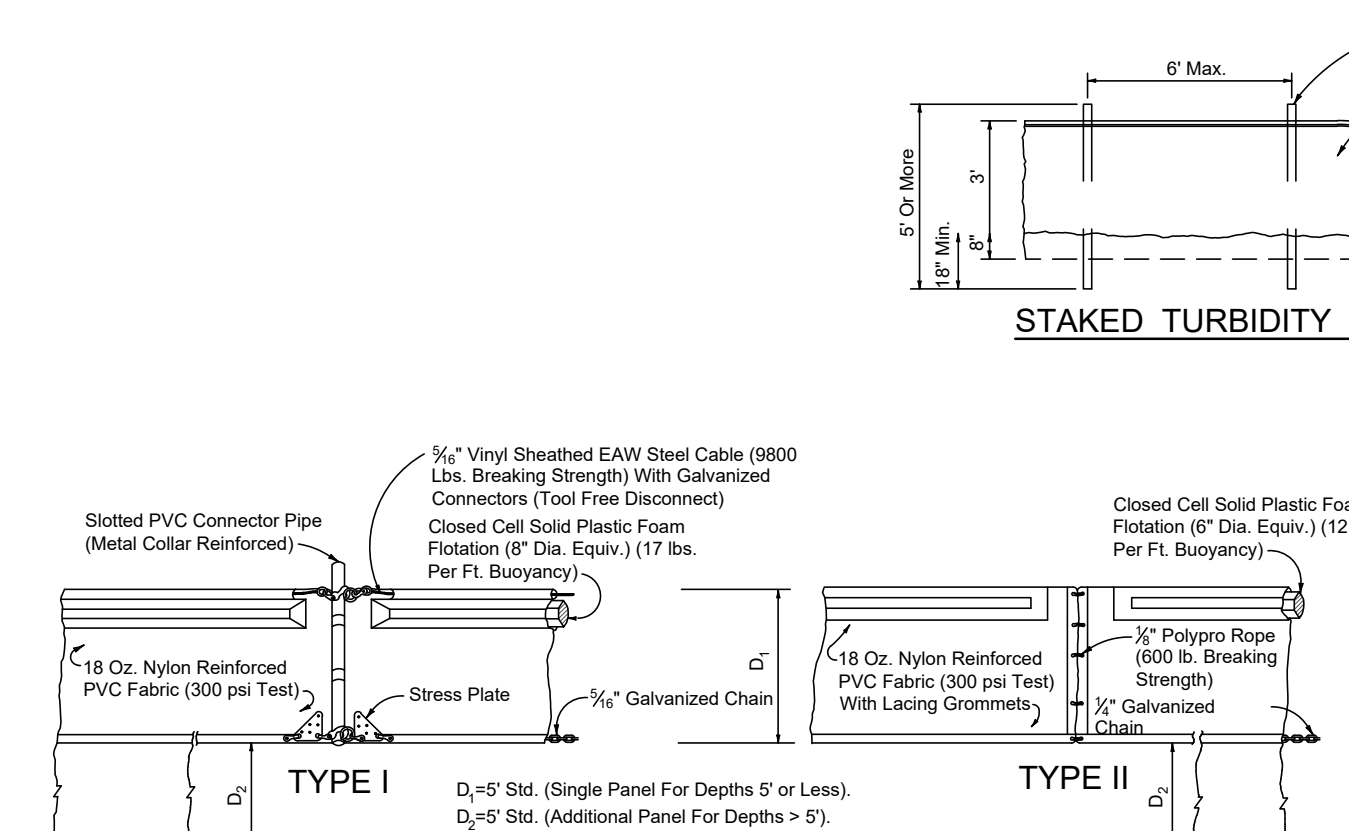
TYPE I

APPLICATION AND SPACING: THE USE OF TYPE I & II BALE BARRIERS SHOULD BE LIMITED TO THE CONDITIONS OUTLINED IN CHART I, SHEET 1 OF 3, INDEX No. 102



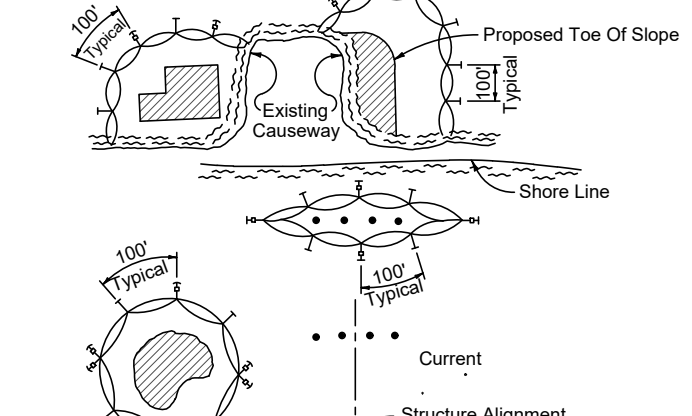
SPACING: BALE BARRIERS FOR PAVED DITCHES SHOULD BE SPACED IN ACCORDANCE WITH CHART I, SHEET 1 OF 3.

BARRIER FOR PAVED DITCH



NOTICE: COMPONENTS OF TYPES - AND -- MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES - AND -- SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIERS

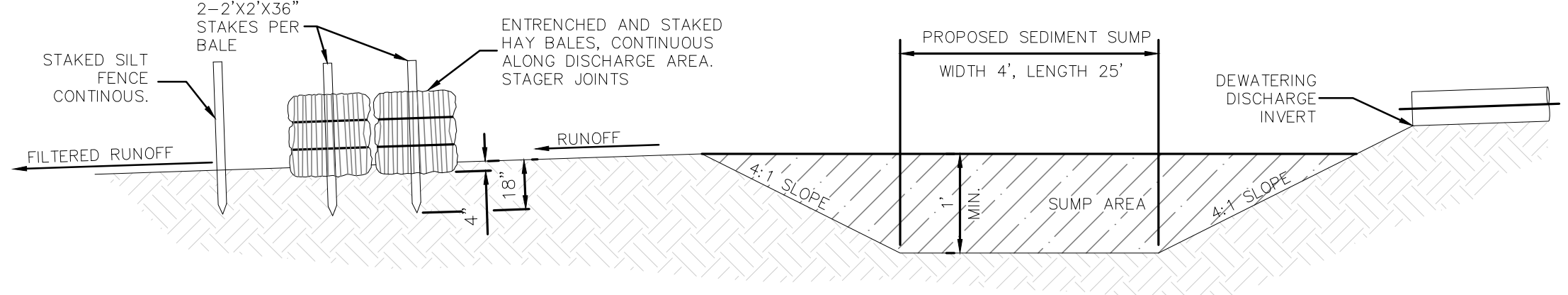


NOTES:
1. Turbidity barriers are to be used in all permanent bodies of water regardless of water depth.
2. Number and spacing of anchors dependent on current velocities.
3. Deployment of barrier around pile locations may vary to accommodate construction operations.
4. Navigation may require segmenting barrier during construction operations.
5. For additional information see Section 104 of the Standard Specifications.

TURBIDITY BARRIER APPLICATIONS

TURBIDITY BARRIER

PER F.D.O.T. INDEX 103



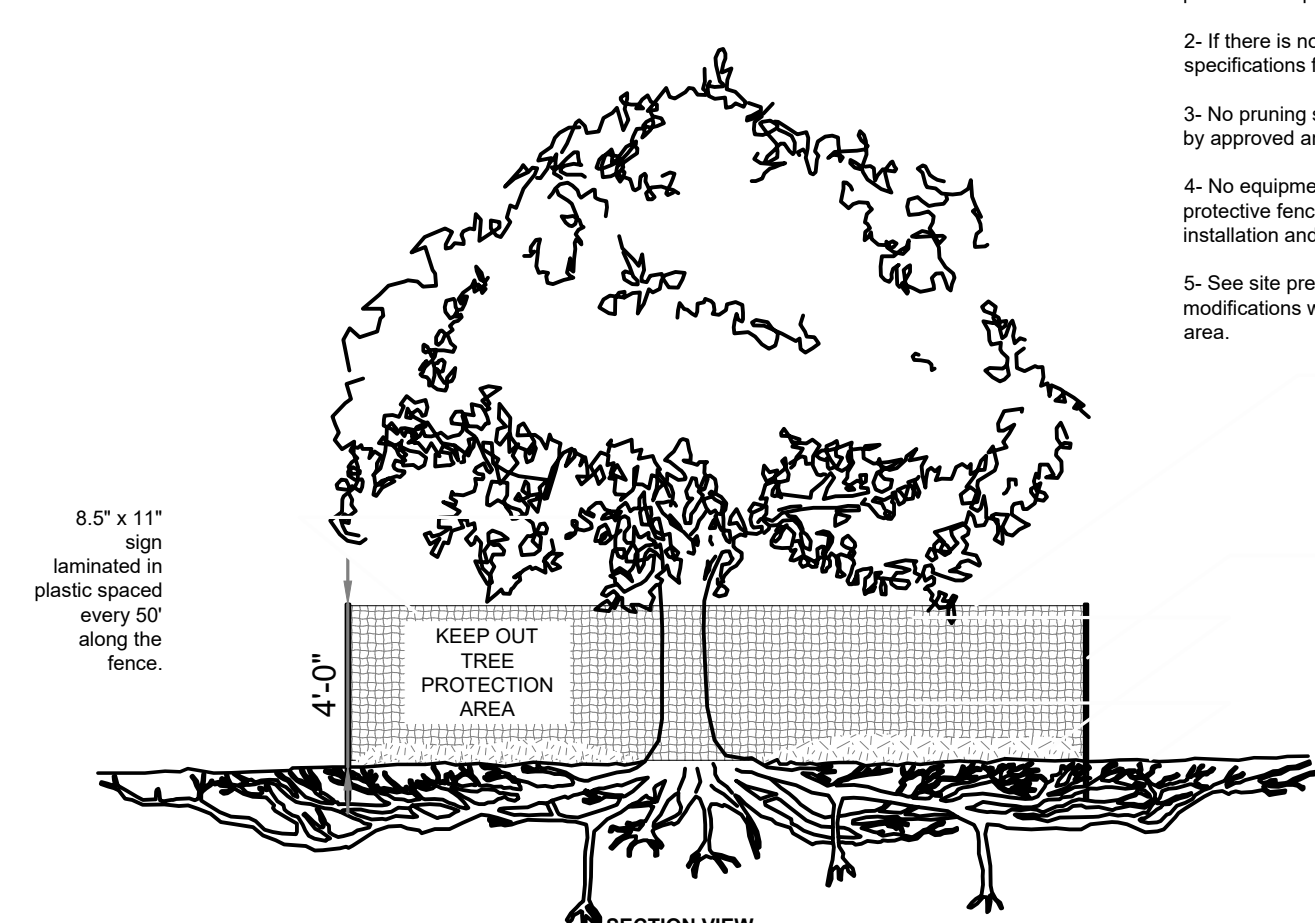
DEWATERING SUMP DETAILS

N.T.S.

GENERAL NOTES:

1. Floating turbidity barriers are to be paid for under the

Crown drip line or other limit of Tree Protection area. See tree preservation plan for fence alignment.



TREE PROTECTION DETAIL

- Notes:
- 1- See specifications for additional tree protection requirements.
 - 2- If there is no existing irrigation, see specifications for watering requirements.
 - 3- No pruning shall be performed except by approved arborist.
 - 4- No equipment shall operate inside the protective fencing including during fence installation and removal.
 - 5- See site preparation plan for any modifications with the Tree Protection area.

Tree Protection Fence: High density polyethylene fencing with 3.5" x 1.5" openings; Color: orange. Steel posts installed at 8' o.c. 2" x 6" steel posts or approved equal. 5" thick layer of mulch. Maintain existing grade with the tree protection fence unless otherwise indicated on the plans.

VERTICAL ELEVATIONS BASED ON: NAVD-88

PLAN REVISIONS		REVISION	DATE	BY	APP'D
1	7/16/2025	REVISIONS BASED ON TOWN OF BELLEAIR INITIAL COMMENTS			
2	8/22/2025	REVISIONS BASED ON TOWN OF BELLEAIR COMMENTS			

NOT TO SCALE

FLORIDA CERTIFICATE OF AUTHORIZATION #8636

RYAN W. POWERS, P.E.
FL LICENSE NO. 82437

SET NUMBER: 23-008-044

SHEET: C910

CONSTRUCTION PLANS FOR:
BELLEAIR COUNTRY CLUB - EAST COURSE RENOVATION
CLIENT: BELLEAIR COUNTRY CLUB
BMP DETAIL

