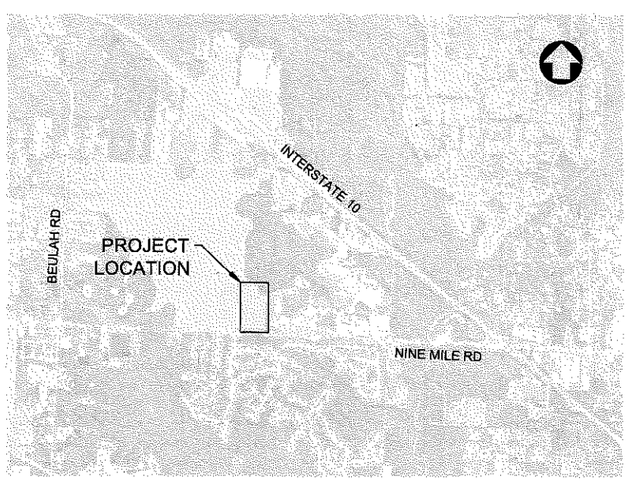
CONSTRUCTION PLANS

FOR

NAVY FEDERAL CREDIT UNION RECREATION FACILITY

PREPARED FOR

NAVY FEDERAL Credit Union



MAY 13, 2022

PREPARED BY

Jacobs

Approved
ESCAMBIA COUNTY DRC PLAN REVIEW

DRC Chairman Signature: Jennifer Hampton 5-25-22
Date

Printed Name: Jennifer Hampton
Development Services Director or Designee

This document has been reviewed in accordance with the requirements of applicable Escambia County Regulations and Ordinances, and does not in any way relieve the submitting Architect, Engineer, Surveyor or other signatory from responsibility of details as drawn. A Development Order (DO) must be obtained through the Development Review Process prior to the commencement of construction. This DO approval does not constitute approval by any other agency. All additional state/federal permits shall be provided to the county prior to approval of a final plat or the issuance of state/federal permits shall be provided to the county prior to approval of a final plat or the issuance of a building permit.

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MICHAEL GUND
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No. 79401
STATE OF
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PROFESSIONAL ENGINEER

5/19/2022

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Associated Space Design, Inc. 2021

NO	DATE	REMARKS
3	5/13/22	ASI 02
2	4/12/22	ASI 01 CONFORMED SET
1	2/21/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

REVISIONS

DRAWING TITLE:
INDEX OF DRAWINGS

PROJECT NO	ISSUE DATE
D3232200	1.14.2021
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER
C-000

GENERAL NOTES:

1. THE CONTRACTOR IS CAUTIONED TO VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BIDDING.

2. THE COORDINATES SHOWN ARE STATE PLANE COORDINATES REFERENCED TO N.A.D. 83 DATUM, 1990 ADJUSTMENT, FLORIDA NORTH ZONE AND EXPRESSED IN U.S. SURVEY FEET.

3. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE EXACT LOCATIONS AND DEPTHS OF ALL UTILITIES INCLUDING, BUT NOT LIMITED TO, WATER LINES, BURIED TELEPHONE LINES, BURIED ELECTRICAL LINES AND GAS MAINS PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTRACTOR IS TO COORDINATE WITH UTILITY COMPANIES FOR REMOVAL AND/OR RELOCATION OF EXISTING UTILITY POLES, AERIAL LINE, BURIED CABLE AND OTHER UTILITIES.

4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY CONFLICTS BETWEEN CONTRACT DOCUMENTS AND EXISTING CONDITIONS.

5. THESE DRAWINGS REPRESENT KNOWN STRUCTURES AND UTILITIES LOCATED IN THE PROJECT AREA. THE CONTRACTOR IS CAUTIONED THAT OTHER STRUCTURES AND UTILITIES, ABOVE OR BELOW GROUND, MAY BE ENCOUNTERED DURING THE COURSE OF THE PROJECT, THE CONTRACTOR SHOULD NOTIFY THE UTILITY COMPANY OR UTILITY OWNER, THEN THE ENGINEER, IMMEDIATELY UPON ENCOUNTERING ANY UNEXPECTED STRUCTURE, UTILITY LINE, OR OTHER UNUSUAL CONDITIONS. EXISTING CONDITIONS ARE BASED ON SURVEYS BY PITTMAN, GLAZE & ASSOCIATES:
   - "A BOUNDARY SURVEY, TOPOGRAPHIC SURVEY, AND LOCATION OF IMPROVEMENTS OF A PORTION OF SECTION 4, T-1-S, R-31-W "(DATE OF SURVEY 11-21-2019)
   - "A PARTIAL TREE LOCATION OF A PORTION OF SECTION 4, T-1-S, R-31-W" (DATE OF SURVEY 3-17-2020)
   - "A PARTIAL TOPOGRAPHIC SURVEY, AND LOCATION OF IMPROVEMENTS OF A PORTION OF SECTION 4, T-1-S, R-31-W" (DATE OF SURVEY 3-24-2020)

6. CONTRACTOR IS RESPONSIBLE FOR DEVELOPMENT AND IMPLEMENTATION OF A PROJECT SPECIFIC SAFETY PLAN. CONTRACTOR SHALL MEET REQUIREMENTS OF TRENCH SAFETY ACT AND SHALL PROTECT ALL OPEN EXCAVATIONS.

7. CONTRACTOR SHALL PROVIDE ACCESS TO PROPERTIES ADJACENT TO THE CONSTRUCTION AREAS. ADEQUATE BARRICADES, CONSTRUCTION SIGNAGE AND OTHER TRAFFIC CONTROL DEVICES SHALL BE PROVIDED IN ACCORDANCE WITH FDOT CONSTRUCTION STANDARDS.

8. THE CONTRACTOR SHALL EMPLOY THE USE OF SILT FENCES, HAY BALES, DITCHES OR WHATEVER MEANS NECESSARY TO CONTROL EROSION AND SEDIMENTATION AT ALL TIMES. WATERS OF THE STATE, ADJACENT PROPERTIES, AND ANY NEW DRAINAGE CONSTRUCTION SHALL BE PROTECTED DURING THE CONSTRUCTION PERIOD. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND SHALL REMAIN UNTIL THE COMPLETION OF CONSTRUCTION AND ACCEPTANCE BY THE OWNER.

9. ADEQUATE PROVISION SHALL BE MADE FOR THE FLOW OF SEWERS, DRAINS, WATER COURSES AND OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION.

10. ALL PAVEMENT CUTS SHALL BE SAW CUT.

11. ALL TREES IN THE PROJECT AREA ARE TO REMAIN UNDAMAGED AND PROTECTED UNLESS NOTED FOR REMOVAL OR APPROVED BY THE ENGINEER.

12. THE CONTRACTOR IS TO REPLACE TO EXISTING CONDITIONS OR BETTER ANY FENCES, SPRINKLER SYSTEMS, TREES AND SHRUBS. MAINTAINED FLOWER BEDS, OR OTHER EXISTING IMPROVEMENTS IMPACTED DURING CONSTRUCTION, WHETHER DEPICTED IN THE PLANS OR NOT.

13. ALL NEW CONCRETE FOR SITE WORK SHALL ACHIEVE A 28 DAY STRENGTH OF 3000 PSI (MIN), UNLESS OTHERWISE SPECIFIED.

14. EXISTING NFCU CAMPUS AND ALL IMPROVEMENTS THEREON ARE COVERED BY AN EXISTING STORMWATER PERMIT (CH.62.25).

15. CONTRACTOR IS RESPONSIBLE FOR DEVELOPMENT,IMPLEMENTATION AND MAINTENANCE OF MOT FOR THE PROJECT. CONTRACTOR SHALL SUBMIT AN MOT PLAN FOR REVIEW AND APPROVAL BY THE ENGINEERING, OWNERS REPRESENTATIVE AND ANY LOCAL GOVERNMENT AGENCIES PRIOR TO STARTING ANY WORK REQUIRING MOT.

2 16. ALL SIDEWALKS, CURB RAMPS, BUS STOPS/LANDINGS AND ALL ASSOCIATED CONSTRUCTION SHALL FOLLOW THE LATEST EDITION OF DESIGN STANDARDS, AMERICANS WITH DISABILITIES ACT (ADA) GUIDELINES, PROWAG AND THE FDOT TRANSIT FACILITY GUIDELINES.

ESCAMBIA COUNTY NOTES:

1. THE PROJECT ENGINEER (ENGINEER OF RECORD) SHALL PROVIDE TO ESCAMBIA COUNTY "AS-BUILT" RECORD DRAWINGS FOR VERIFICATION AND APPROVAL BY ESCAMBIA COUNTY ONE WEEK PRIOR TO REQUESTING A FINAL INSPECTION, OR PROVIDE "AS-BUILT" CERTIFICATION THAT THE PROJECT CONSTRUCTION ADHERES TO THE PERMITTED PLANS AND SPECIFICATIONS. THE "AS-BUILT: CERTIFICATION OR THE "AS-BUILT" RECORD DRAWINGS MUST BE SIGNED, SEALED AND DATED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.

2. THE DEVELOPER/CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON THE SITE. IMPROPER SEDIMENT CONTROL MEASURE MAY RESULT IN CODE ENFORCEMENT VIOLATION.

3. ALL DISTURBED AREAS WITHIN STATE OR COUNTY RIGHT-OF-WAY WHICH ARE NOT PAVED SHALL BE STABILIZED WITH SEEDING, FERTILIZER AND MULCH, HYDROSEED AND/OR SOD, SEEDED AREAS SHALL INCLUDE A BAHIA MIX TO ENSURE CONTINUED GROWTH AFTER WINTER MONTHS. SEED IN ACCORDANCE WITH FDOT SECTION 570 AND STANDARD INDEX 105.

4. CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS-BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, TOP OF POND(S), OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.

5. THE OWNER OR HIS AGENT SHALL ARRANGE/SCHEDULE WITH THE COUNTY A FINAL INSPECTION OF THE DEVELOPMENT UPON COMPLETION AND ANY INTERMEDIATE INSPECTION. AS-BUILT CERTIFICATION IS REQUIRED PRIOR TO REQUEST FOR FINAL INSPECTION/APPROVAL.

6. NOTIFY SUNSHINE 811 UTILITIES 48 HOURS IN ADVANCE PRIOR TO DIGGING WITHIN R/W.

7. ALL ASPECT OF THE STORMWATER/DRAINAGE COMPONENTS AND/OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO REQUESTING A FINAL INSPECTION.

8. NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM BOTH THE DESIGN ENGINEER AND ESCAMBIA COUNTY. ANY DEVIATIONS MAY RESULT IN DELAYS IN COUNTY ACCEPTANCE OF IMPROVEMENTS.

9. DAMAGE TO EXISTING ROADS DURING CONSTRUCTION WILL BE REPAIR ED BY THE DEVELOPER PRIOR TO FINAL "AS-BUILT" SIGN-OFF FROM THE COUNTY.

10. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A UTILITY PERMIT FROM THE COUNTY ROAD AND BRIDGE DEPARTMENT PRIOR TO COMMENCING ANY WORK IN THE RIGHT OF WAY.

11. ANY DAMAGE TO EXISTING ROADS DURING CONSTRUCTION WILL BE REPAIRED BY THE DEVELOPER PRIOR TO FINAL " AS-BUILT" SIGN OFF FROM THE COUNTY.

12. PRIOR TO CONSTRUCTION A SEPARATE BUILDING INSPECTION DEPARTMENT PERMIT(S) SHALL BE OBTAINED FOR ALL RETAINING WALL(S) HIGHER THAN 2 FEET. 2

COORDINATION NOTES:

1. THE CONTRACTOR SHALL COORDINATE WITH LANDSCAPE ARCHITECT AND PLANTING PLANS FOR MATERIAL REQUIREMENTS OF THE FINAL 12 INCHES OF FILL IN LANDSCAPE AREAS TO ENSURE SUITABLE MATERIAL FOR GROWTH OF VEGETATION.

2. CONTRACTOR SHALL COORDINATE IMPLEMENTATION OF WETLAND IMPACT MITIGATION PLAN WITH NFCU, ARCHITECT, AND THE CIVIL ENGINEER OF RECORD.

EROSION CONTROL NOTES:

1. DISTURBED AND NON-STABILIZED AREAS SHALL BE WATERED REGULARLY TO PREVENT DUST.

2. NO EROSION CONTROL BMP'S SHALL BE PLACED WITHIN WETLAND BUFFER UNLESS SHOWN ON ERP PERMIT DRAWINGS.

STORMWATER NOTES:

1. STORMWATER POND SIDE SLOPES SHALL BE STABILIZED WITH SOLID SOD.

2. ALL DISTURBED AREAS NOT PAVED SHALL BE STABILIZED WITH SEEDING, FERTILIZER , AND MULCH, HYDROSEED AND/OR SOD.

3. RETENTION/DETENTION AREAS SHALL BE SUBSTANTIALLY COMPLETE PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT MAY INCREASE STORMWATER RUNOFF RATES. THE CONTRACTOR SHALL CONTROL STORMWATER DURING ALL PHASES OF CONSTRUCTION AND TAKE ADEQUATE MEASURES TO PREVENT THE EXCAVATED POND FROM BLINDING DUE TO SEDIMENTS.

4. ALL NEW BUILDING ROOF DRAINS, DOWN SPOUTS, OR GUTTERS SHALL BE ROUTED TO CARRY ALL STORMWATER TO RETENTION/DETENTION AREAS.

5. DEVELOPER/CONTRACTOR SHALL RESHAPE PER PLAN SPECIFICATIONS, CLEAN OUT ACCUMULATED SILT, AND STABILIZE RETENTION/DETENTION POND(S) AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND PRIOR TO REQUEST FOR INSPECTION.

6. THE CONTRACTOR SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHTS-OF-WAY.

7. THE SUBJECT PROPERTY AS SHOWN HEREON IS LOCATED IN FLOOD ZONE X, (MINIMAL RISK AREAS OUTSIDE THE 1% AND 0.2% ANNUAL CHANCE FLOODPLAINS. NO BFEs OR BASE FLOOD DEPTHS ARE SHOWN WITHIN THESE ZONES). AS DETERMINED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA, COMMUNITY 120080, FIRM MAP PANEL NUMBERS 12033C0290G MAP, MAP REVISION DATED SEPTEMBER 29, 2006. PRELIM MAPS JANUARY 27, 2017, MAP PANEL 12033C0340J. 2

8. TOTAL SITE DRAINAGE AREA: 28.52 AC
   STORMWATER TREATMENT VOLUME REQUIRED: 80,066 CF
   STORMWATER TREATMENT VOLUME PROVIDED, 92,461 CF

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5/19/2022

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Associated Space Design, Inc. 2021

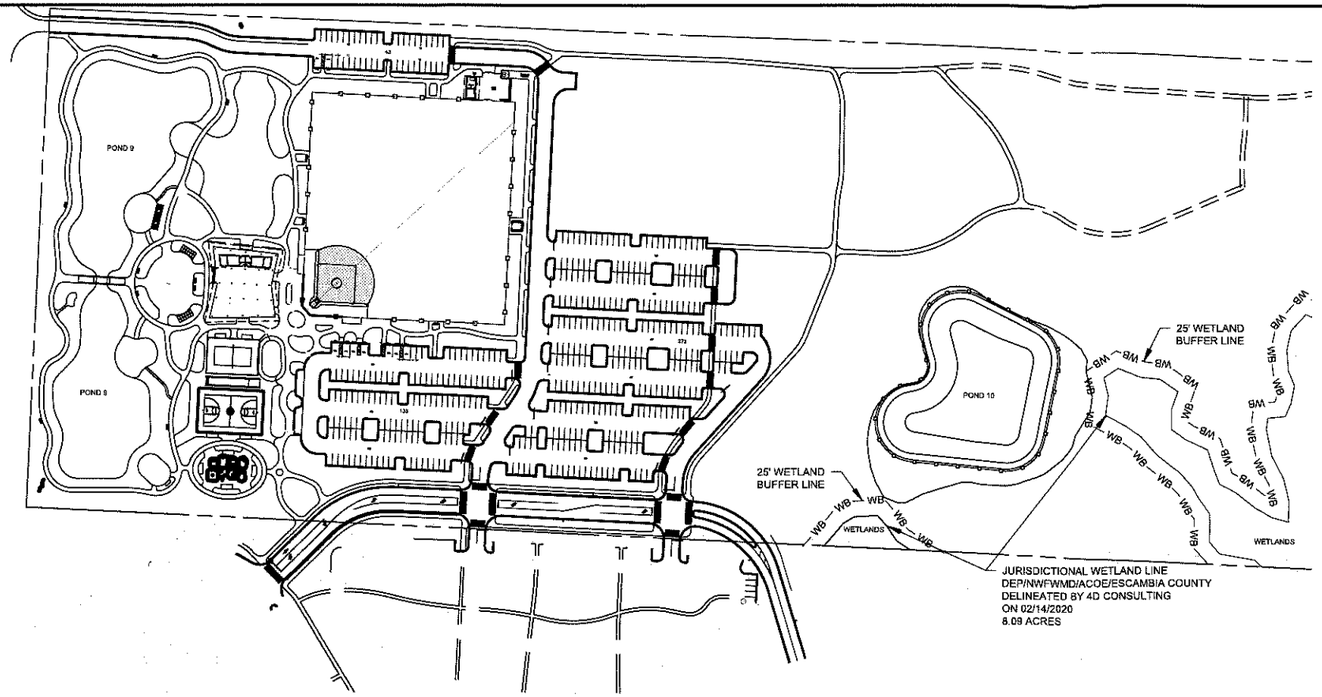
NO:	DATE:	REMARKS:
2	5/13/22	ASI 02
1	4/12/22	ASI 01 CONFORMED SET
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
GENERAL NOTES

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2021
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-001



0 60 120 240 Feet
1"=120'

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Associated Space Design, Inc. 2021

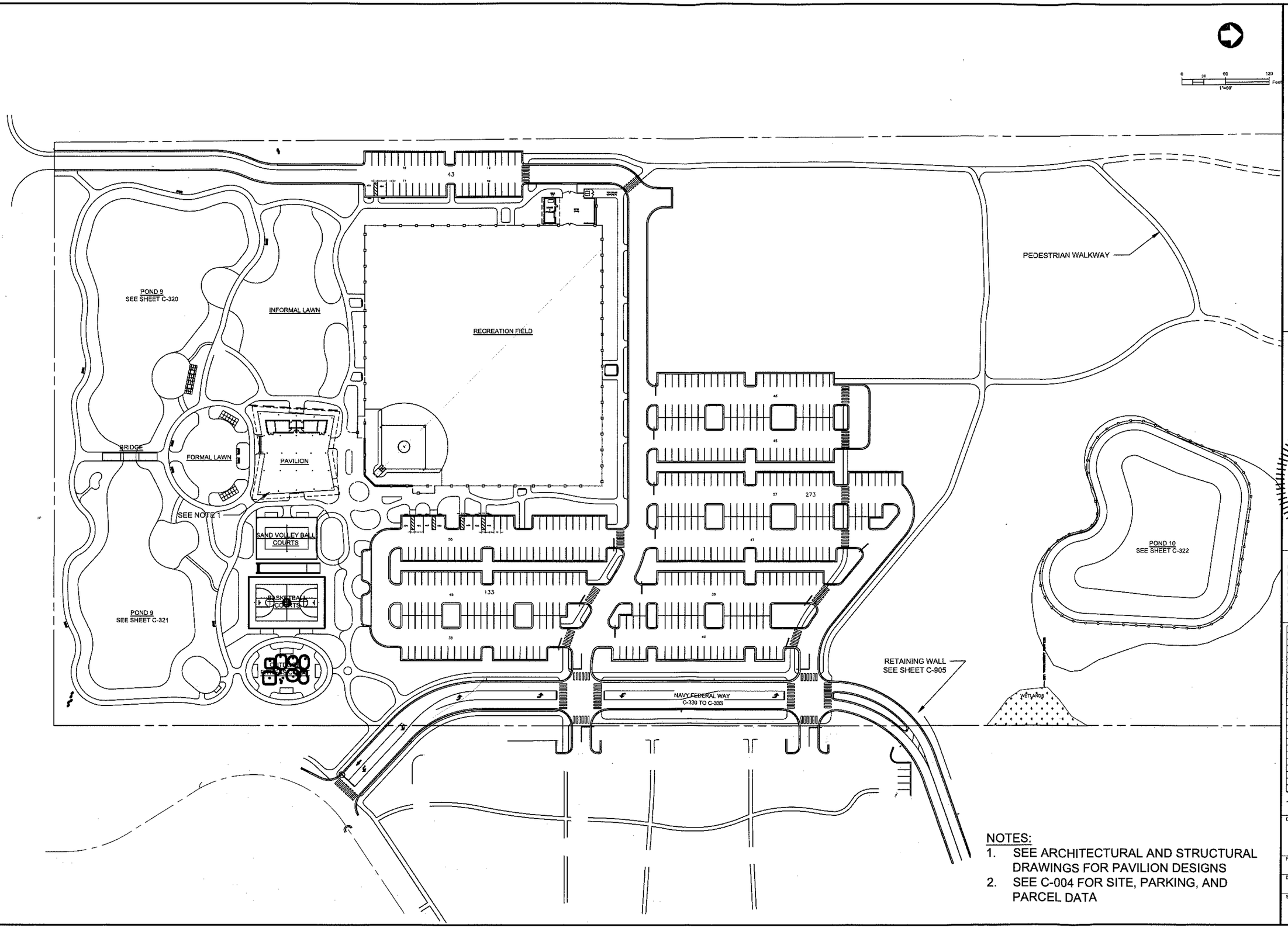
NO:	DATE:	REMARKS:
1	5/13/22	ASI #2
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
BUILD OUT SITE PLAN AND ADJACENT PARCELS

PROJECT NO.:	ISSUE DATE:
D3232200	04.19.22
DRAWN BY: SC	CHECKED BY: M. GUND

SHEET NUMBER:
C-002



NOTES:

1. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR PAVILION DESIGNS
2. SEE C-004 FOR SITE, PARKING, AND PARCEL DATA

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NO:	DATE:	REMARKS:

REVISIONS:

DRAWING TITLE: BUILD OUT SITE PLAN

PROJECT NO.:	ISSUE DATE:
D3232200	04.19.22
DRAWN BY: SC	CHECKED BY: M. GUND

SHEET NUMBER: C-003

SITE DATA:

TAX APPRAISER'S PROPERTY REFERENCE NUMBERS
04-1S-31-2201-0000-01
INDIVIDUAL SITE ACREAGE: 98.1698.16 AC

PARCELS WITH NEW CONSTRUCTION, TOTAL ACREAGE: 98.16 AC

ZONING DISTRICT: HC/LI
FUTURE LAND USE: MUU

UPLANDS: 90.07 AC
WETLANDS: 8.09 AC
PROPOSED IMPACT TO WETLANDS: 0.00 AC

ADJACENT PARCEL DATA:

04-1S-31-1200-000-090
NAVY FEDERAL CREDIT UNION
5550 HERITAGE OAKS DR, PENSACOLA, FL 32526

04-1S-31-2101-000-002
NAVY FEDERAL CREDIT UNION
5400 BLK FRANK REEDER RD, PENSACOLA, FL 32526

04-1S-31-2101-000-003
NAVY FEDERAL CREDIT UNION
5400 BLK FRANK REEDER RD, PENSACOLA, FL 32526

04-1S-31-2101-001-003
NAVY FEDERAL CREDIT UNION
5400 BLK FRANK REEDER RD, PENSACOLA, FL 32526

04-1S-31-2101-002-003
NAVY FEDERAL CREDIT UNION
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05-1S-31-1101-000-000
ESCAMBIA COUNTY
FRANK REEDER RD, PENSACOLA, FL 32526

04-1S-31-1101-000-000
NAVY FEDERAL CREDIT UNION
1101 NAVY FEDERAL WAY, PENSACOLA, FL 32526

PARKING SUMMARY:

BUILDING/USE	COUNT/AREA	CRITERIA	SPACES REQD	SPACES PROVIDED
TENNIS COURT	1	4 PER COURT	4	-
SOCCER FIELD	2	50 PER FIELD	100	-
BASKETBALL COURT	1	10 PER COURT	10	-
VOLLEYBALL COURT	1	12 PER COURT	12	-
PAVILION (PUBLIC ASSEMBLY)	10,356 SF	1 PER 35 SF OF ASSEMBLY AREA IF NO FIXED SEATS	296	-
OPEN PARKING AREA PHASE 1	-	-	-	449
OPEN PARKING AREA PHASE 2*				322
SUB TOTALS			422	771

HANDICAP SPACES

AREA	PARKING SPACES	REQD HANDICAP SPACES	EXISTING HANDICAP SPACES	ADDITIONAL HANDICAP SPACES NEEDED
HERITAGE OAKS	2556	36	33	3
RECREATIONAL AREA PHASE 1	451	9	0	9
RECREATIONAL AREA PHASE 1 AND 2*	776	16	0	16
ENTIRE BUILDOUT	3322	44	33	11

HANDICAP SPACES	SPACES REQUIRED	SPACES PROVIDED
	11	9 - PHASE 1 OPEN PARKING LOT
		2 - PHASE 2* OPEN PARKING LOT
	TOTAL HC	11

NOTE:
FOR HC PARKING
501 - 1000 SPACES - REQUIRES 2% OF TOTAL
1001 AND OVER - 20, PLUS 1 FOR EACH 100, OR FRACTION THEREOF, OVER 1000

*PHASE 2 PARKING TO BE PERMITTED AND CONSTRUCTED UNDER A SEPARATE STANDALONE PROJECT

WETLAND IMPACT SUMMARY:

ACOE WETLANDS = 8.09 AC
ACOE WETLANDS IMPACT = 0.00 AC
FDEP WETLANDS = 8.09 AC
FDEP WETLANDS IMPACT = 0.00 AC
COUNTY WETLANDS = 8.09 AC
COUNTY WETLANDS IMPACT = 0.00 AC
NWFWMD WETLANDS = 8.09 AC
NWFWMD WETLANDS IMPACT = 0.00 AC
DIRECT WETLANDS IMPACT = 0.00 AC
SECONDARY WETLAND IMPACT (WITHIN BUFFER) = 0.00 AC
WETLAND CREATION = 0.00 AC
WETLAND ENHANCEMENT OR RESTORATION = 0.00 AC
WETLAND PRESERVATION = 0.00 AC
UPLAND PRESERVATION = 0.00 AC

NEW BUILDING FOOTPRINT AREAS:

PAVILION = 10,560 SF
TOTAL NEW BUILDING FOOTPRINT AREA = 10,560 SF

PRE-DEVELOPMENT SURFACE CONDITIONS

PERVIOUS = 28.52 AC
SEMI-PERVIOUS = 0 AC
IMPERVIOUS = 0 AC
TOTAL = 28.52 AC

POST-DEVELOPMENT SURFACE CONDITIONS

PERVIOUS = 17.78 AC
SEMI-PERVIOUS = 0.12 AC
IMPERVIOUS = 10.62 AC
TOTAL = 28.52 AC

AREA SUMMARY:

TOTAL SITE AREA = 98.16 AC
TOTAL WETLAND AREA = 8.09 AC
TOTAL STORMWATER MANAGEMENT AREA:
POND 9 = 12.12 AC
POND 10 = 16.40 AC
TOTAL = 28.52 AC

TOTAL NEW IMPERVIOUS AREA = 10.62 AC

TOTAL NEW IMPERVIOUS AREA = 10.62 AC / TOTAL AREA TO BE DISTURBED 28.52 AC x 100 = 37.2%

TOTAL AREA TO BE DISTURBED = 28.52 AC

WETLANDS NOTES IDENTIFICATION:

ALL WETLANDS LOCATED IN THIS PLAN SET AND ASSOCIATED WITH THIS PROJECT ARE USACE/FDEP/ESCAMBIA COUNTY JURISDICTIONAL WETLANDS ARE WERE DELINEATED BY 4D ENVIRONMENTAL CONSULTANTS, SEPTEMBER 2012 USING THE ACOE 1987 WETLAND DELINEATION MANUAL METHODS.

THROUGHOUT THIS CONSTRUCTION PLAN SET, WETLAND AND WETLAND SETBACK LINES WILL BE IDENTIFIED WITH THE FOLLOWING SYMBOLS:

WETLAND LINE

WETLAND SETBACK

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Associated Space Design, Inc. 2021

NO:	DATE:	REMARKS:
1	5/13/22	ASI 02
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

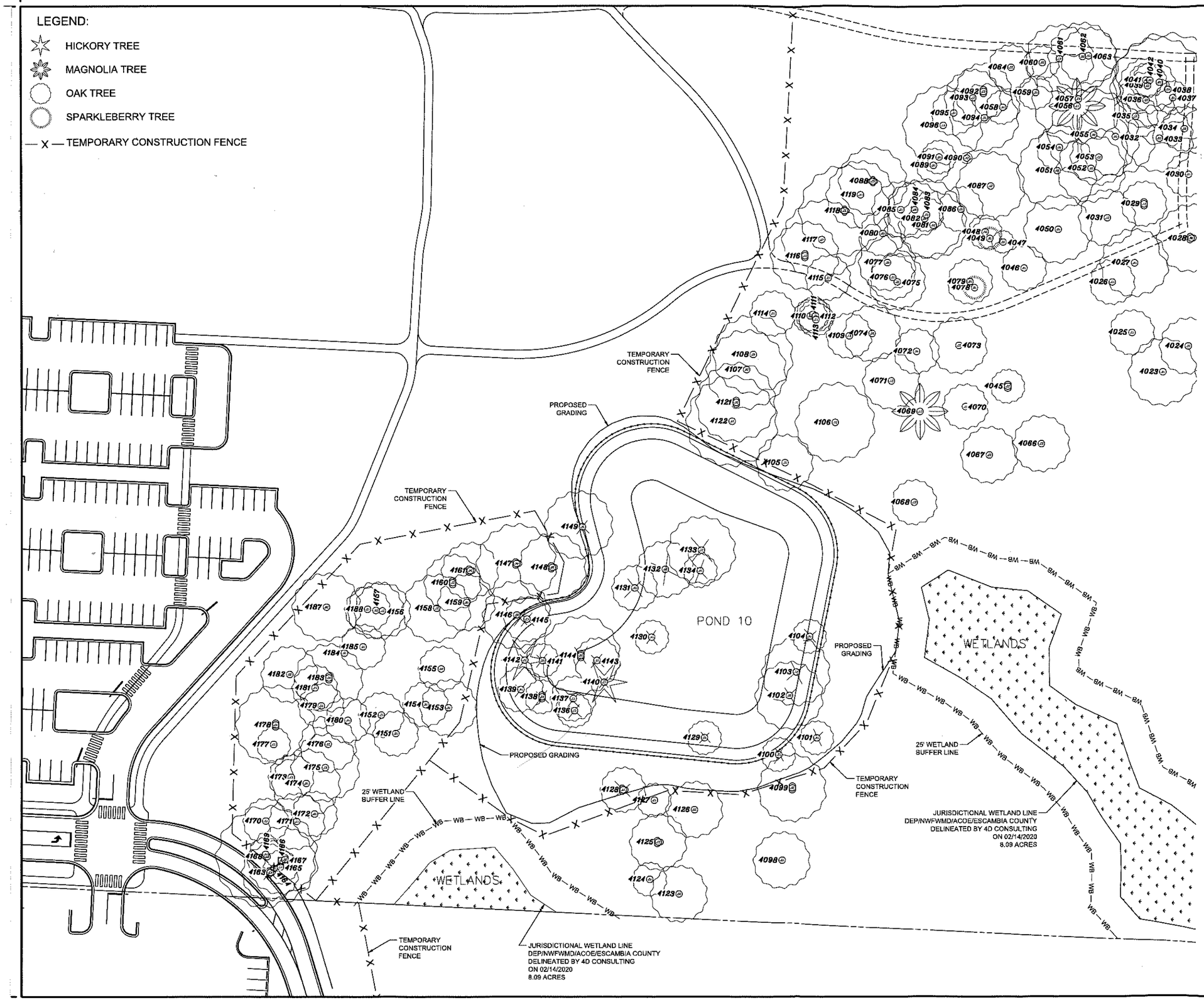
DRAWING TITLE:
SITE AND PARCEL DATA

PROJECT NO.:	ISSUE DATE:
D3232200	04.19.22
DRAWN BY: SC	CHECKED BY: M. GUND

SHEET NUMBER:
C-004

LEGEND:

- HICKORY TREE
- MAGNOLIA TREE
- OAK TREE
- SPARKLEBERRY TREE
- — X — TEMPORARY CONSTRUCTION FENCE



0 20 40 80 FEET
1"=40'

TREE STUDY

Tree Removal Schedule Pond 10 and Navy Federal Way Area		
Point	Tree Type	Diameter inches
4100	Live Oak	12
4101	Live Oak	14
4102	Live Oak	18
4103	Live Oak	21
4104	Black Oak	14
4128	Black Oak	19
4129	Damaged	12
4130	Black Oak	14
4131	Live Oak	19
4132	Black Oak	26
4133	Black Oak	31
4134	Black Oak	14
4136	Black Oak	13
4137	Southern Magnolia	13
4138	Black Oak	42
4139	Live Oak	14
4140	Hickory	13
4141	Damaged	15
4142	Hickory	22
4143	Black Oak	15
4144	Black Oak	26
4145	Black Oak	13
4146	Black Oak	26
4149	Red Oak	14
4163	Live Oak	43
4164	Southern Magnolia	12
Total		495

MITIGATION SUMMARY

Mitigation Calculations		
Total DBH Removed (inches)	Min. Mitigation Req'd (caliper inches)	Min. Mitigation Req'd (# 2.5in trees)
495	247.5	99

New Native Canopy Trees To Be Planted				
Tree Type	Trees for Mitgation	Caliper (inches)	Mitigation Provided	Additional Trees
Southern Live Oak	20	2.5	50	162
Bald Cypress	20	2.5	50	50
Red Maple	20	2.5	50	3
Savannah Holly	20	2.5	50	20
American Sycamore	19	2.5	47.5	16
Total	99		247.5	251

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5/14/2022

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NO:	DATE:	REMARKS:
1	5/13/22	ASI 02
0	5/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
TREE REMOVAL AND MITIGATION INFORMATION

PROJECT NO.:	ISSUE DATE:
D3232200	04.19.22
DRAWN BY: SC	CHECKED BY: M. GUND

SHEET NUMBER:
C-005

TREE SCHEDULE

Point	Type Tree	Diameter in Inches	Code	1/2 Spread in Feet
*3950	Live Oak	42	213	30
*3951	Live Oak	22 Twin	212	20
*3952	Laural Oak	21	197	20
*3953	Live Oak	15	200	15
*3954	Live Oak	14	199	20
*3955	Live Oak	14	202	25
*3956	Live Oak	18	201	20
*3957	Live Oak	17	203	25
*3958	Live Oak	17	192	15
*3959	Live Oak	15	204	25
*3960	Magnolia	23 Quad	205	20
*3961	Diseased	18		25
*3962	Live Oak	13	188	20
*3963	Live Oak	16	189	15
*3964	Live Oak	13	186	20
*3965	Live Oak	14	185	20
*3966	Magnolia	15	183	25
*3967	Magnolia	18	182	20
*3968	Magnolia	31 Triple	206	30
*3970	Black Oak	18 Twin	180	25
*3971	Black Oak	21 Twin	178	25
*3972	Live Oak	13	187	25
*3973	Black Oak	21 Twin	179	25
*3974	Live Oak	14	189	20
*3975	Live Oak	14	177	25
*3976	Live Oak	18	190	30
*3977	Live Oak	25	191	35
*3978	Laurael Oak	19	193	30
*3979	Live Oak	16	176	15
*3980	Live Oak	20	194	30
*3981	Live Oak	46	195	35
*3982	Live Oak	15	198	20
*3983	Laural Oak	18	196	25
*3986	Black Oak	16	181	20
*3988	Black Oak	16 Twin+C69	166	15
*3989	Live Oak	13	165	25
*3996	Live Oak	13	167	20
*3997	Live Oak	13	168	20
*3998	Live Oak	12	169	15
*3999	Live Oak	18	175	20
*4000	Red Oak	16	100	25
*4001	Live Oak	16	170	30
*4002	Live Oak	15	174	20
*4003	Black Oak	13	173	20
*4004	Live Oak	11	172	20
*4005	Live Oak	42	171	35
*4007	Red Oak	21	157	30
*4008	Red Oak	14	158	25
*4009	Red Oak	17	156	20
*4010	Black Oak	20	159	25
*4011	Diseased	37		40
*4012	Diseased	32		30
*4013	Live Oak	12	164	15
*4014	Live Oak	13	163	25
*4015	Live Oak	15	155	15
*4016	Red Oak	17	162	25
*4017	Red Oak	14	161	20
*4018	Red Oak	20 Twin	154	20
*4019	Live Oak	35 Twin	160	30
*4020	Live Oak	32	153	30
4023	Live Oak	18	132	30
4024	Live Oak	15	132	25
4025	Live Oak	12	131	20
4026	Red Oak	13	130	20
4027	Live Oak	19	134	30
4028	Red Oak	28 Triple	133	30
4029	Red Oak	21 Twin	148	20
4030	Red Oak	13	149	20
4031	Diseased	21		25
4032	Black Oak	18	136	35
4033	Red Oak	39	135	30
4034	Diseased	25		20
4035	Black Oak	15	148	20

*Trees located in the northern part of the project boundary

**Trees to be removed and mitigated in the project boundary
(No other trees shall be removed)

Point	Type Tree	Diameter in Inches	Code	1/2 Spread in Feet
4036	Live Oak	25	150	25
4037	Diseased	15		15
4038	Live Oak	45 Quad	152	50
4039	Black Oak	23	151	25
4040	Diseased	38		40
4041	Diseased	14		15
4042	Diseased	14		15
4045	Black Oak	22 Twin+C121	106	15
4046	Black Oak	14	119	20
4047	Black Oak	16	118	20
4048	Red Oak	29	110	15
4049	Sparkleberry	19	109	10
4050	Black Oak	19	121	30
4051	Live Oak	20	122	35
4052	Black Oak	28	129	30
4053	Diseased	22		25
4054	Red Oak	18	123	20
4055	Black Oak	28	137	40
4056	Magnolia	15	138	25
4057	Live Oak	42	139	40
4058	Live Oak	14	124	15
4059	Black Oak	15	128	15
4060	Red Oak	26	127	15
4061	Live Oak	41	140	30
4062	Live Oak	30	141	30
4063	Red Oak	16	142	25
4064	Live Oak	25	126	20
4066	Red Oak	22	120	25
4067	Diseased	20		25
4068	Red Oak	27	86	20
4069	Magnolia	21	87	25
4070	Black Oak	17	105	20
4071	Live Oak	21	88	25
4072	Live Oak	16	103	20
4073	Live Oak	27	104	25
4074	Live Oak	25	84	25
4075	Live Oak	32	102	25
4076	Live Oak	15	101	20
4077	Live Oak	16	92	25
4078	Sparkleberry	16	107	10
4079	Live Oak	19	108	20
4080	Red Oak	19	95	20
4081	Live Oak	25	100	30
4082	Live Oak	26	99	35
4083	Live Oak	13	98	15
4084	Live Oak	30	97	25
4085	Red Oak	17	96	25
4086	Red Oak	15	110	20
4087	Black Oak	25	117	30
4088	Red Oak	52 Quad	9.4	30
4089	Black Oak	15	111	15
4090	Diseased	26		5
4091	Live Oak	15	112	15
4092	Live Oak	23 Twin	116	25
4093	Live Oak	27	115	25
4094	Live Oak	15	117	15
4095	Live Oak	15	114	20
4096	Live Oak	41	113	35
4098	Live Oak	19	63	25
4099	Live Oak	26 Twin	64	30
**4100	Live Oak	12	62	15
**4101	Live Oak	14	65	15
**4102	Live Oak	18	66	30
**4103	Live Oak	21	67	30
**4104	Black Oak	14	68	15
4105	Live Oak	16	69	25
4106	Live Oak	35	85	35
4107	Live Oak	28	72	35
4108	Live Oak	40	73	35
4109	Red Oak	21	83	20
4110	Live Oak	17	76	15
4111	Live Oak	17	77	15
4112	Live Oak	12	78	15

Point	Type Tree	Diameter in Inches	Code	1/2 Spread in Feet
4113	Live Oak	13	79	15
4114	Laurel Oak	13	75	20
4115	Red Oak	13	82	20
4116	Live Oak	31 Twin	80	30
4117	Live Oak	47 Twin	81	35
4118	Live Oak	32 Triple	93	40
4119	Diseased	14		30
4121	Live Oak	36 Twin	71	35
4122	Live Oak	39	70	40
4123	Water oak	25	56	25
4124	Water oak	13	55	15
4125	Water oak	33 Triple	54	25
4126	Live Oak	25	58	25
4127	Water oak	13	53	15
**4128	Black Oak	19 Twin	43	20
**4129	Damaged	12		15
**4130	Black Oak	14	52	15
**4131	Live Oak	19	51	20
**4132	Black Oak	26		24
**4133	Black Oak	31	60	30
**4134	Black Oak	14	61	15
**4136	Black Oak	13	4445	15
**4137	Southern Magnolia	13	46	20
**4138	Black Oak	42 Twin	46	15
**4139	Live Oak	14	42	20
**4140	Hickory	13	49	20
**4141	Damaged	15		15
**4142	Hickory	22	41	20
**4143	Black Oak	15	50	20
**4144	Black Oak	26 Twin	48	35
**4145	Black Oak	13	40	20
**4146	Black Oak	26	39	30
4147	Live Oak	44 Triple	37	35
4148	Black Oak	28 Triple C214	38	30
**4149	Red Oak	14	47	20
4151	Live Oak	18	24	20
4152	Red Oak	12	23	20
4153	Live Oak	16	35	25
4154	Live Oak	16	49	20
4155	Black Oak	20 Twin	26	20
4156	Live Oak	27	31	25
4157	No Description	21		25
4158	Live Oak	27	34	30
4159	Black Oak	19	36	25
4160	Black Oak	27 Twin	33	25
4161	Live Oak	34 Triple	32	25
**4163	Live Oak	43 Triple	3	25
**4164	Southern Magnolia	12	2	20
4165	Live Oak	11	38	15
4166	Live Oak	30 Twin	4	30
4167	Southern Magnolia	25 Twin	5	30
4168	Live Oak	66 Cluster	6	45
4169	Black Oak	18	7	25
4170	Black Oak	13	8	20
4171	Black Oak	17	9	25
4172	Live Oak	18	10	20
4173	Black Oak	13	12	20
4174	Live Oak	18	11	30
4175	Live Oak	23	13	30
4176	Live Oak	25	14	25
4177	Live Oak	13	15	15
4178	Live Oak	46 Twin	16	35
4179	Black Oak	15	17	20
4180	Black Oak	14	22	20
4181	Black Oak	14	18	20
4182	Live Oak	29	19	25
4183	Live Oak	36 Twin	20	30
4184	Southern Magnolia	14	21	
4185	Black Oak	16	27	20
4187	Live Oak	28	28	30
4188	Black Oak	13		20
4192	Live Oak	19	211	15
4193	Black Oak	13	210	15
4194	Southern Magnolia	18	208	20
4195	Southern Magnolia	18	207	20

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Associated Space Design, Inc. 2020

NO:	DATE:	REMARKS:
1	5/13/22	ASI 02
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
TREE SURVEY

PROJECT NO.:	ISSUE DATE:
D3232200	4.19.22
DRAWN BY: SC	CHECKED BY: M. GUND

SHEET NUMBER:
C-006

9 MILE RD ROW

PROJECT BOUNDARY

0 30 60 120 Feet
1" = 60'

EXIST. DITCH TOB

EXIST. DITCH BOTTOM

EXIST. FENCE

EXIST. WATER

EXIST. GAS

EXIST. SANITARY SEWER

EXIST. OHE

PROJECT BOUNDARY

EXIST. BURIED TELE.

APPROX. TREELINE

9 MILE RD (US HWY ALT 90)

25' WETLAND BUFFER LINE

WETLANDS

EXIST. TREES TYP.

JURISDICTIONAL WETLAND LINE
DEP/NWFWMD/ACOE/ESCAMBIA COUNTY
DELINEATED BY 4D CONSULTING
ON 02/14/2020
8.09 ACRES

25' WETLAND BUFFER LINE

WETLANDS

PROPERTY BOUNDARY

PROJECT BOUNDARY

EXIST. PARKING LOT

SECURITY PL

PROJECT BOUNDARY

SECURITY PL

EXISTING NFCU BLDG AND PARKING LOT

EXIST. WALKWAY

1. EXISTING CONDITIONS FOR NINE MILE ROAD ARE BASED UPON PROPOSED DESIGN INFORMATION. CONTRACTOR TO VERIFY AGAINST EXISTING CONDITIONS AND NOTIFY CIVIL ENGINEER OF ANY DISCREPANCIES.

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3/19/2022

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Associated Space Design, Inc. 2021

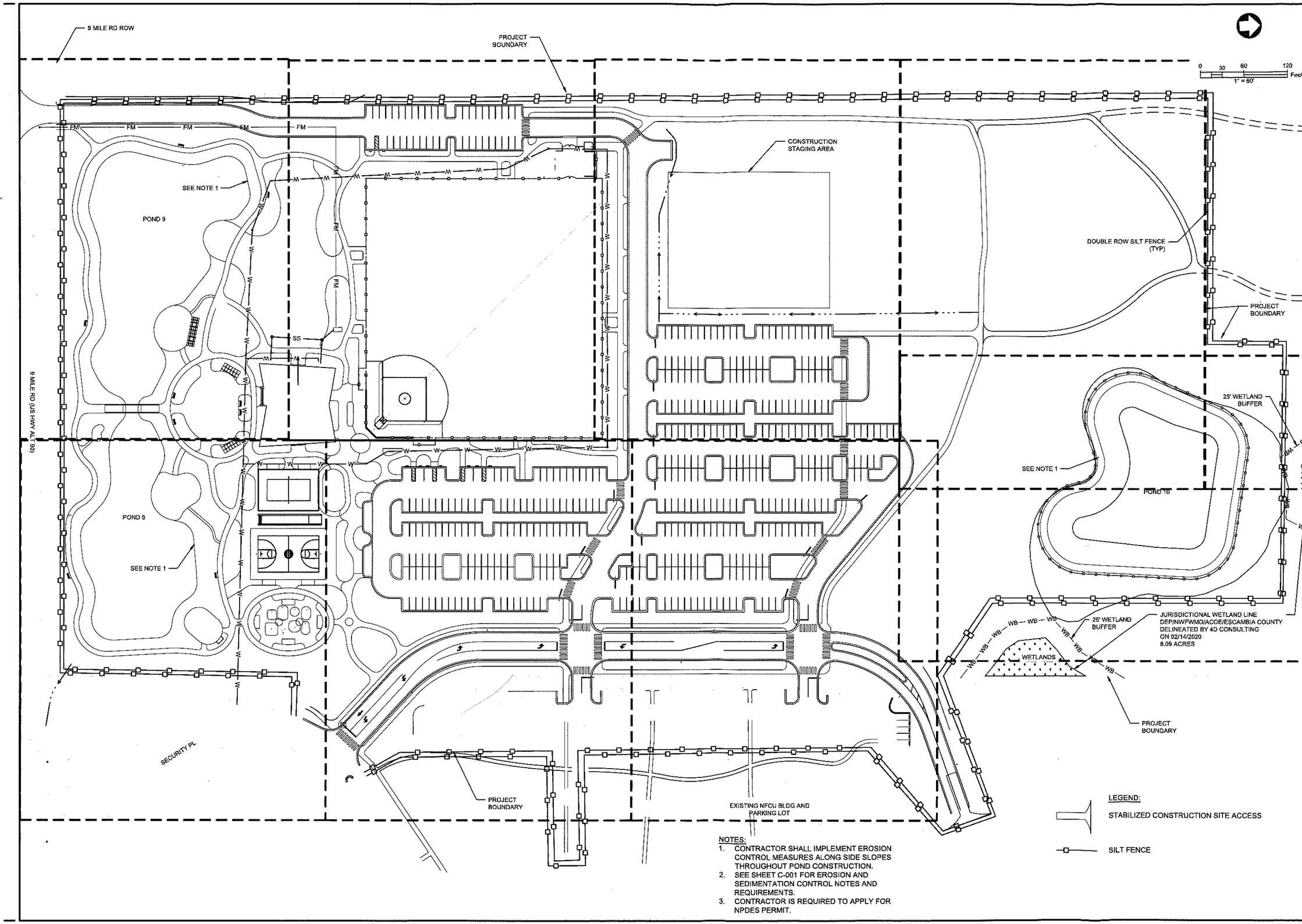
NO:	DATE:	REMARKS:
1	4/12/22	ASI 91 CONFORMED SET
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
EXISTING CONDITIONS PLAN

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2021
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-100



NOTES:

1. CONTRACTOR SHALL IMPLEMENT EROSION CONTROL MEASURES ALONG SIDE SLOPES THROUGHOUT POND CONSTRUCTION.
2. SEE SHEET C-001 FOR EROSION AND SEDIMENTATION CONTROL NOTES AND REQUIREMENTS.
3. CONTRACTOR IS REQUIRED TO APPLY FOR NPDES PERMIT.

LEGEND:

STABILIZED CONSTRUCTION SITE ACCESS

SILT FENCE

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Associated Space Design, Inc. 2021

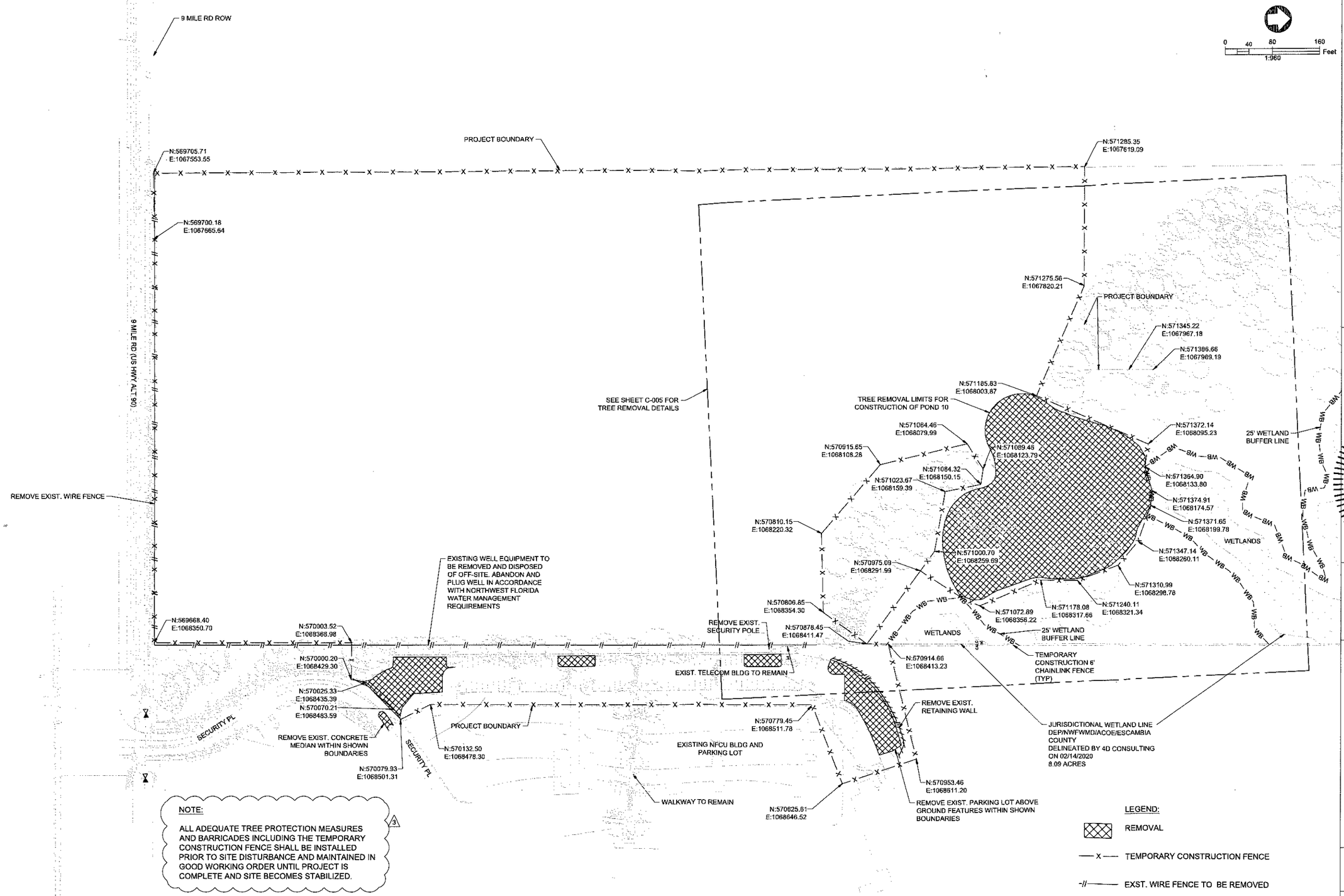
NO:	DATE:	REMARKS:
2	5/13/22	ASI 02
1	4/12/22	ASI 01 CONFORMED SET
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE: EROSION CONTROL PLAN

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2021
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER: C-101



NOTE:

ALL ADEQUATE TREE PROTECTION MEASURES AND BARRICADES INCLUDING THE TEMPORARY CONSTRUCTION FENCE SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE AND MAINTAINED IN GOOD WORKING ORDER UNTIL PROJECT IS COMPLETE AND SITE BECOMES STABILIZED.

3

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Associated Space Design, Inc. 2021

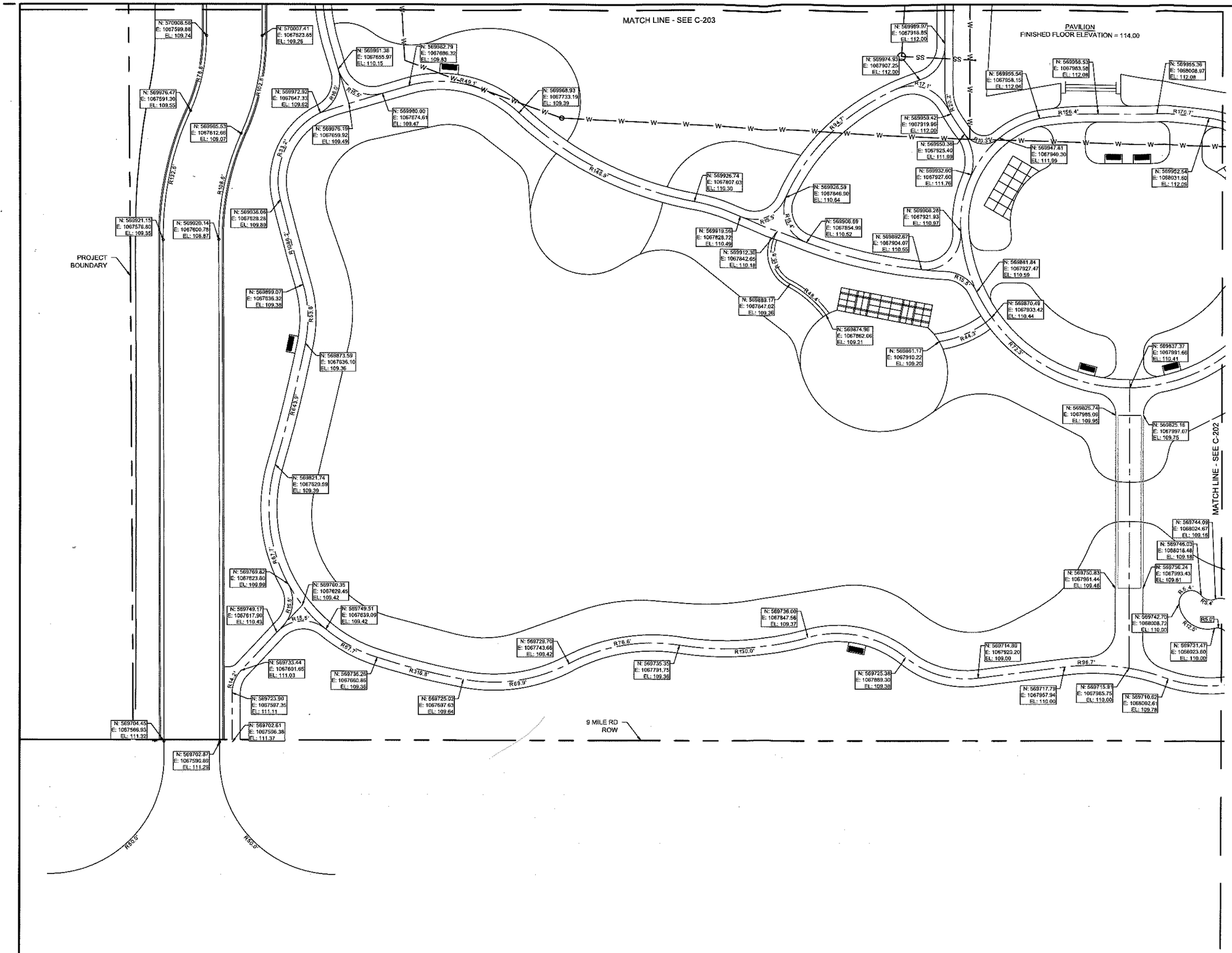
NO:	DATE:	REMARKS:
3	5/13/22	ASI 02
2	4/12/22	ASI 01 CONFORMED SET
1	2/21/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
DEMOLITION PLAN

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2022
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-102



NOTES:

1. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR PAVILION DESIGNS.
2. SEE LANDSCAPING AND ARCHITECTURAL FOR LAWN, RECREATIONAL FIELDS AND COURTS DESIGN.
3. COORDINATE LAYOUT POINTS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

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Associated Space Design, Inc. 2021

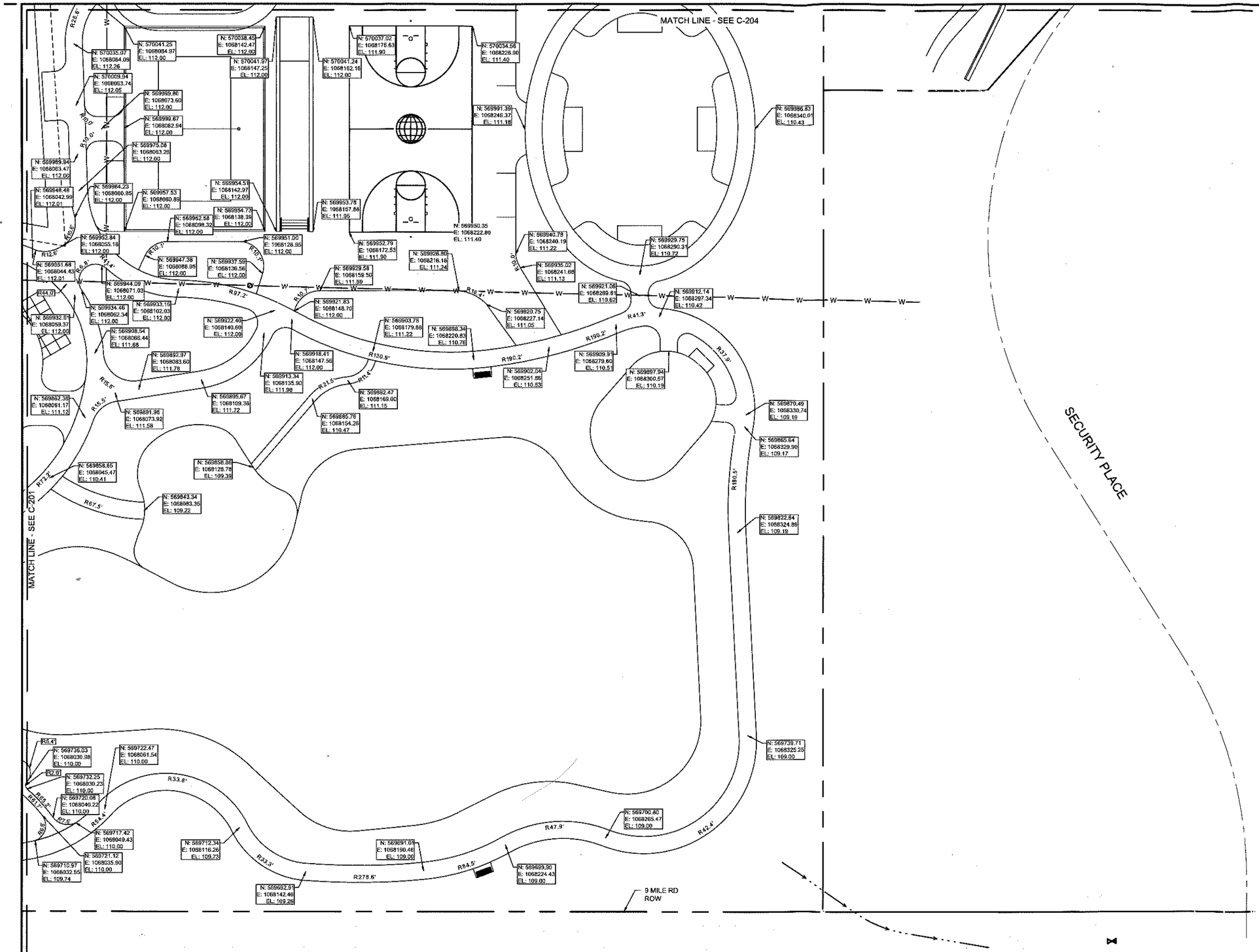
NO:	DATE:	REMARKS:
2	4/13/22	ASI 01 CONFORMED SET
1	2/24/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

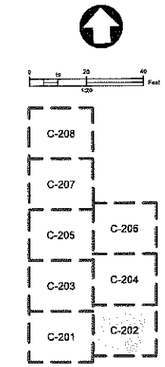
REVISIONS:

DRAWING TITLE:
CONTROL & STAKING PLAN

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2022
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-201





NOTES:

1. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR PAVILION DESIGNS.
2. SEE LANDSCAPING AND ARCHITECTURAL FOR LAWN, RECREATIONAL FIELDS AND COURTS DESIGN.
3. SEE C-330 TO C-333 FOR NAVY FEDERAL WAY ROADWAY LAYOUT INFORMATION.
4. COORDINATE LAYOUT POINTS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

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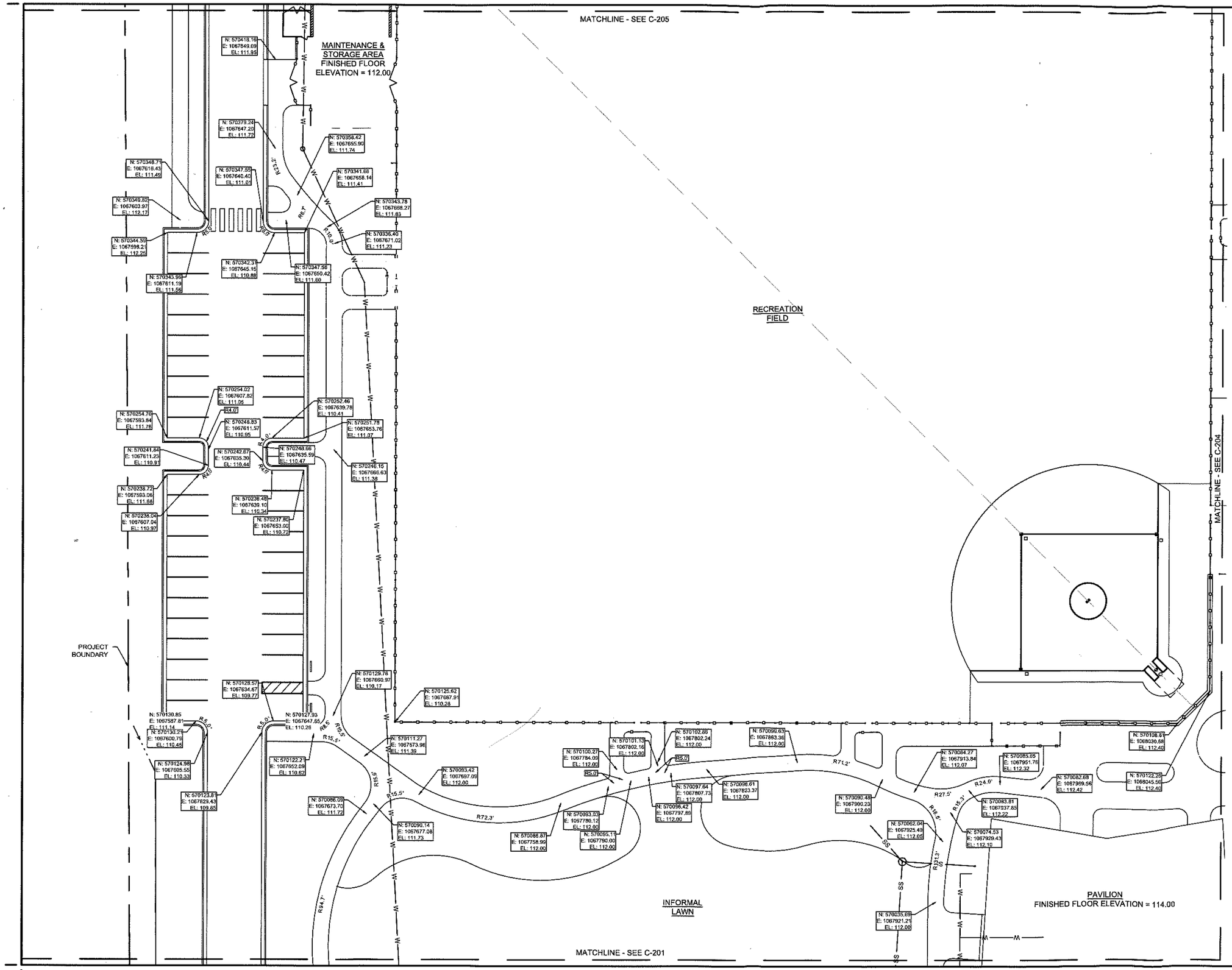
NO:	DATE:	REMARKS:
2	4/12/22	ASI 01 CONFORMED SET
1	2/21/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

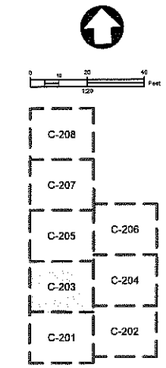
REVISIONS:

DRAWING TITLE:
CONTROL & STAKING PLAN

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2022
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-202





NOTES:
1. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR PAVILION DESIGNS.
2. SEE LANDSCAPING AND ARCHITECTURAL FOR LAWN, RECREATIONAL FIELDS AND COURTS DESIGN.
3. COORDINATE LAYOUT POINTS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

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PROFESSIONAL ENGINEER
5/19/2022

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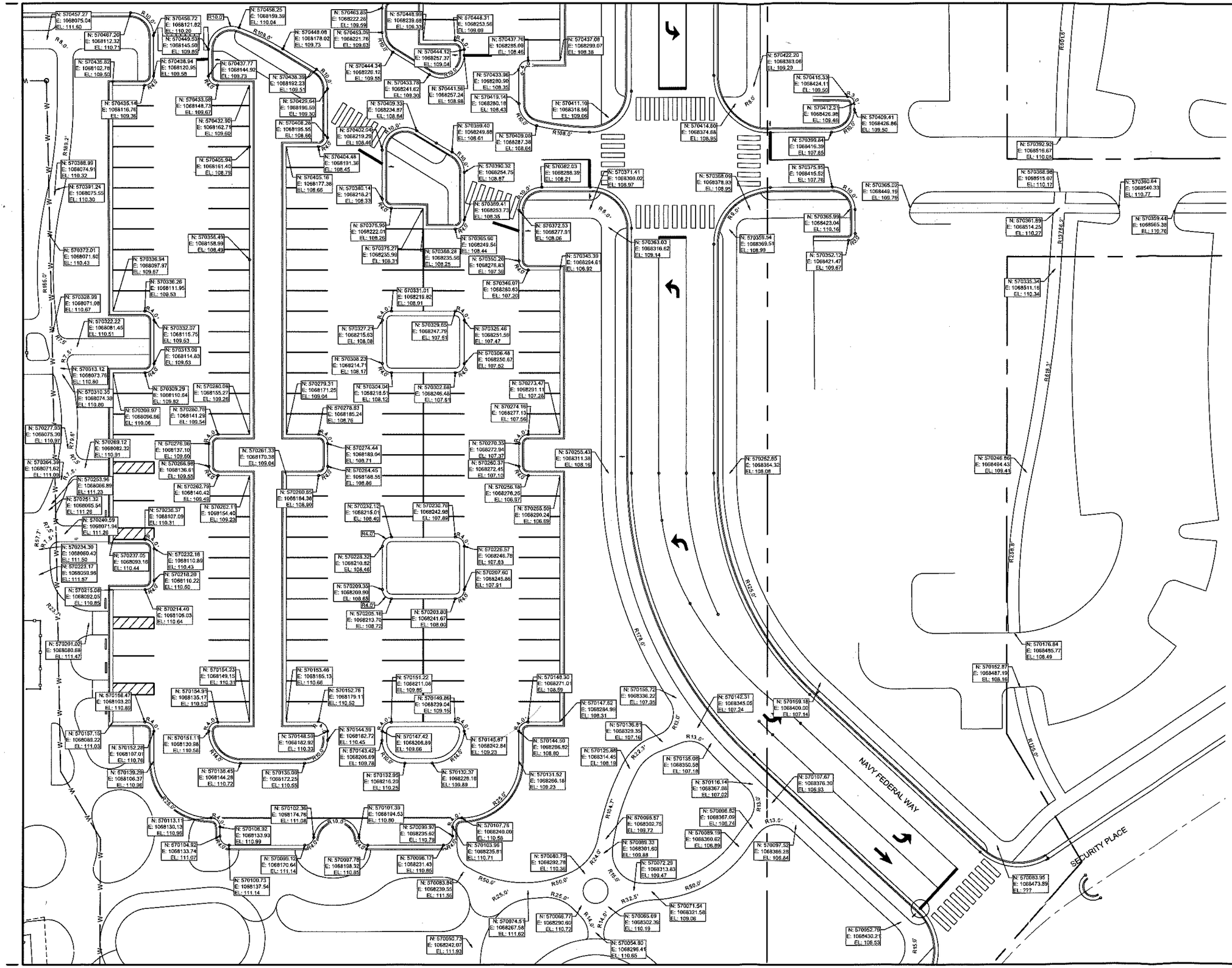
NO:	DATE:	REMARKS:
2	4/12/22	AISI 91 CONFORMED SET
1	2/21/22	ADDENDUM #2
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
CONTROL & STAKING PLAN

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2022
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-203



NOTES:

1. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR PAVILION DESIGNS.
2. SEE LANDSCAPING AND ARCHITECTURAL FOR LAWN, RECREATIONAL FIELDS AND COURTS DESIGN.
3. SEE C-330 TO C-333 FOR ROADWAY LAYOUT INFORMATION.
4. COORDINATE LAYOUT POINTS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

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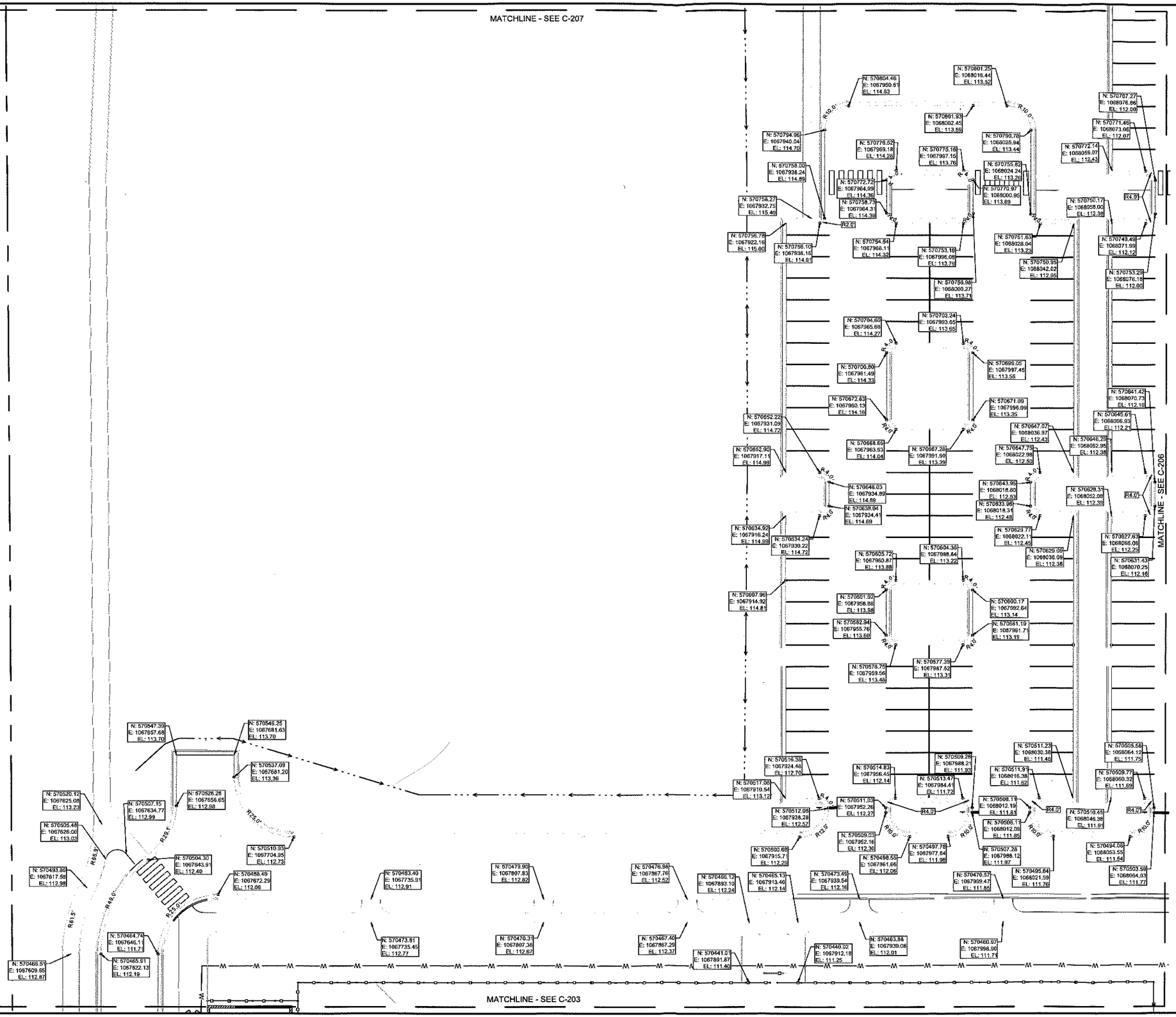
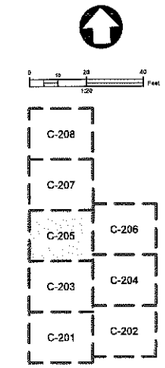
NO:	DATE:	REMARKS:
2	4/12/22	ASI 01 CONFORMED SET
1	2/21/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
CONTROL & STAKING PLAN

PROJECT NO.: D3232200	ISSUE DATE: 1.14.2022
DRAWN BY: GFC	CHECKED BY: M. GUND
SHEET NUMBER: C-204	





NOTES:

1. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR PAVILION DESIGNS.
2. SEE LANDSCAPING AND ARCHITECTURAL FOR LAWN, RECREATIONAL FIELDS AND COURTS DESIGN.
3. SEE C-330 TO C-333 FOR NAVY FEDERAL WAY ROADWAY LAYOUT INFORMATION.
4. COORDINATE LAYOUT POINTS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

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Associated Space Design, Inc. 2021

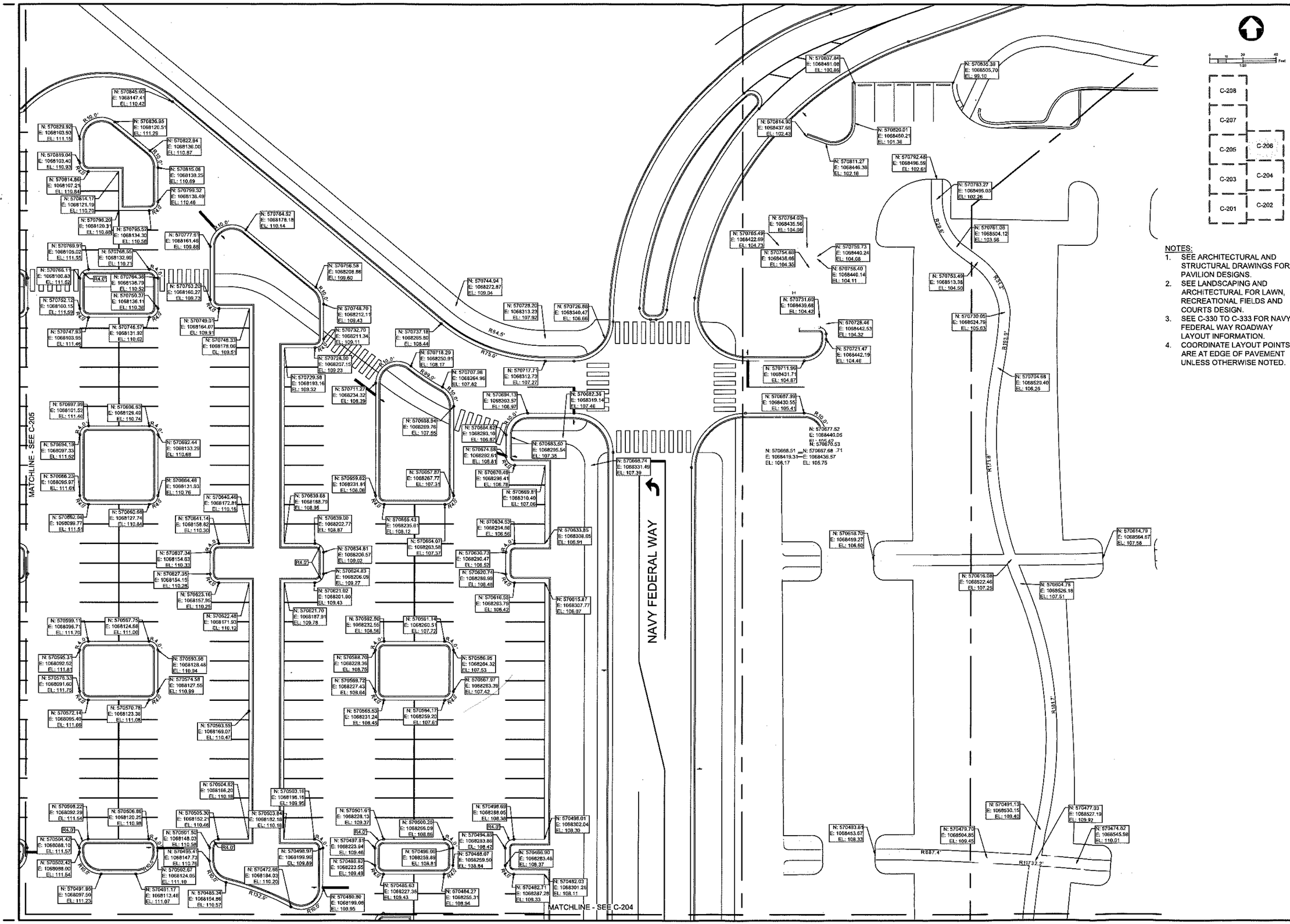
NO:	DATE:	REMARKS:
2	4/12/22	ASI 91 CONFORMED SET
1	2/21/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
CONTROL & STAKING PLAN

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2022
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-205



NOTES:

1. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR PAVILION DESIGNS.
2. SEE LANDSCAPING AND ARCHITECTURAL FOR LAWN, RECREATIONAL FIELDS AND COURTS DESIGN.
3. SEE C-330 TO C-333 FOR NAVY FEDERAL WAY ROADWAY LAYOUT INFORMATION.
4. COORDINATE LAYOUT POINTS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

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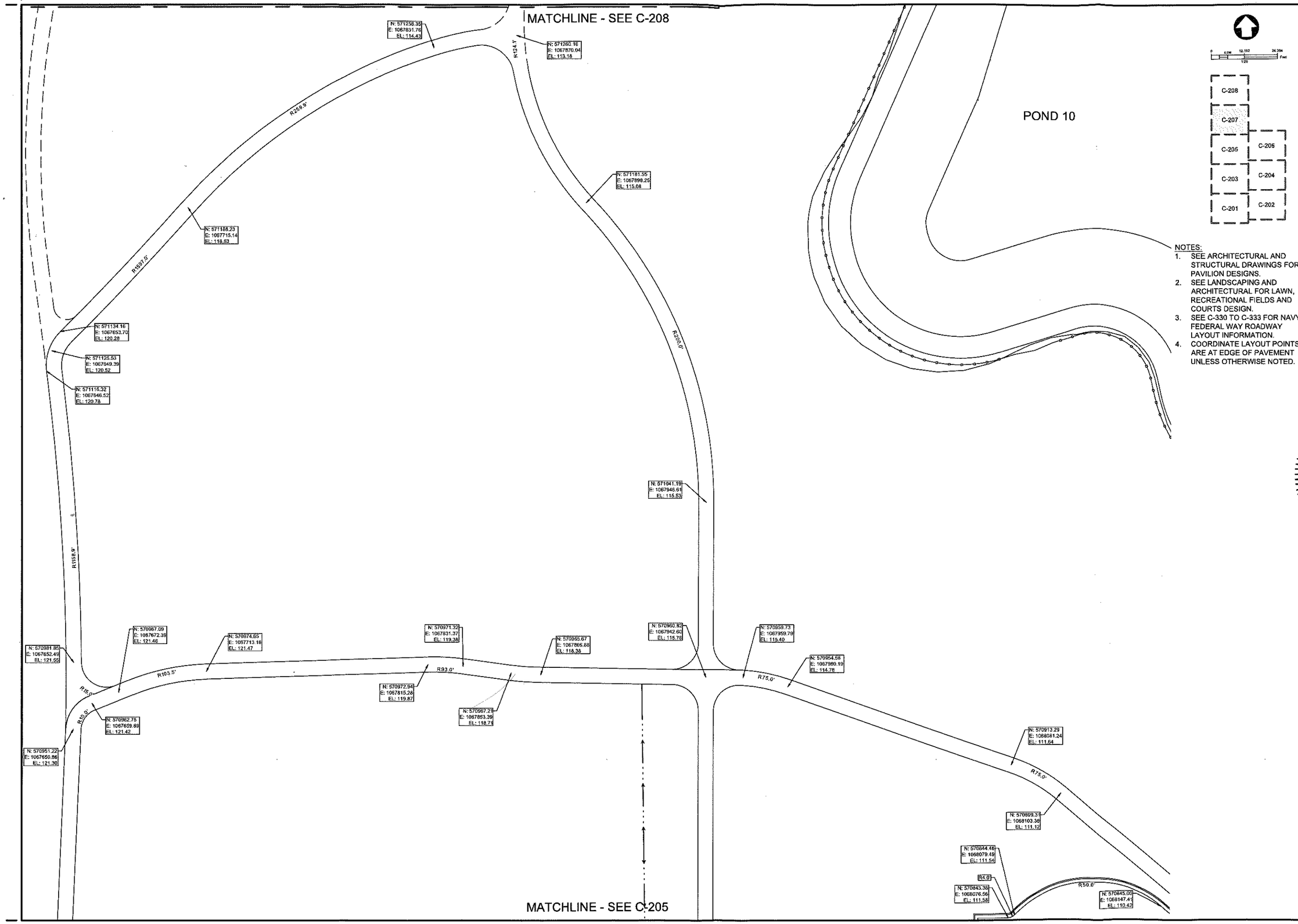
NO:	DATE:	REMARKS:
2	4/18/22	ASI 01 CONFORMED SET
1	3/2/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
CONTROL & STAKING PLAN

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2022
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-206



NOTES:

1. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR PAVILION DESIGNS.
2. SEE LANDSCAPING AND ARCHITECTURAL FOR LAWN, RECREATIONAL FIELDS AND COURTS DESIGN.
3. SEE C-330 TO C-333 FOR NAVY FEDERAL WAY ROADWAY LAYOUT INFORMATION.
4. COORDINATE LAYOUT POINTS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

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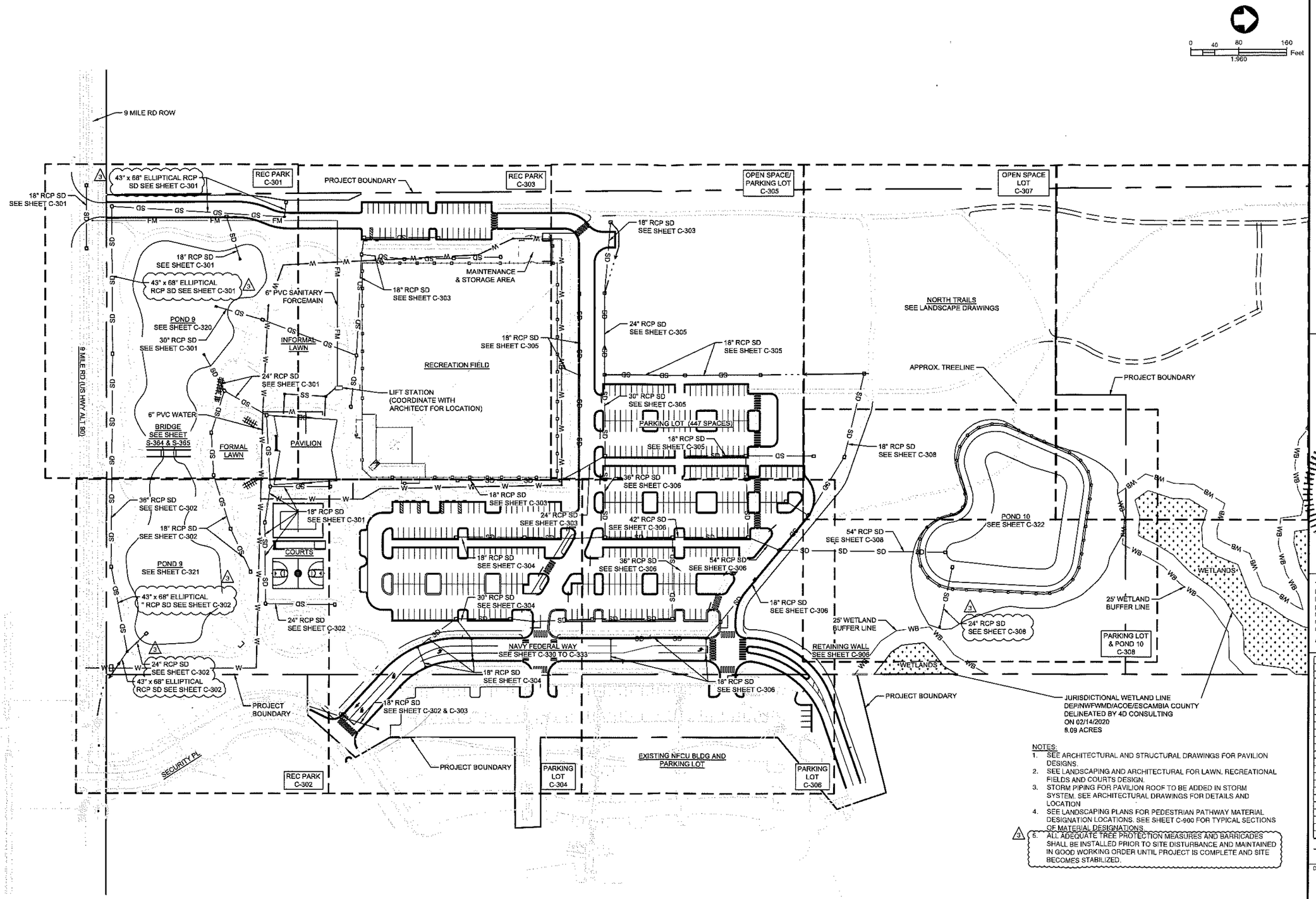
NO:	DATE:	REMARKS:
2	4/12/22	ASI 01 CONFORMED SET
1	2/21/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
CONTROL & STAKING PLAN

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2022
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-207



NOTES:

1. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR PAVILION DESIGNS.
2. SEE LANDSCAPING AND ARCHITECTURAL FOR LAWN, RECREATIONAL FIELDS AND COURTS DESIGN.
3. STORM PIPING FOR PAVILION ROOF TO BE ADDED IN STORM SYSTEM. SEE ARCHITECTURAL DRAWINGS FOR DETAILS AND LOCATION
4. SEE LANDSCAPING PLANS FOR PEDESTRIAN PATHWAY MATERIAL DESIGNATION LOCATIONS. SEE SHEET C-900 FOR TYPICAL SECTIONS OF MATERIAL DESIGNATIONS.
5. ALL ADEQUATE TREE PROTECTION MEASURES AND BARRICADES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE AND MAINTAINED IN GOOD WORKING ORDER UNTIL PROJECT IS COMPLETE AND SITE BECOMES STABILIZED.

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Associated Space Design, Inc. 2021

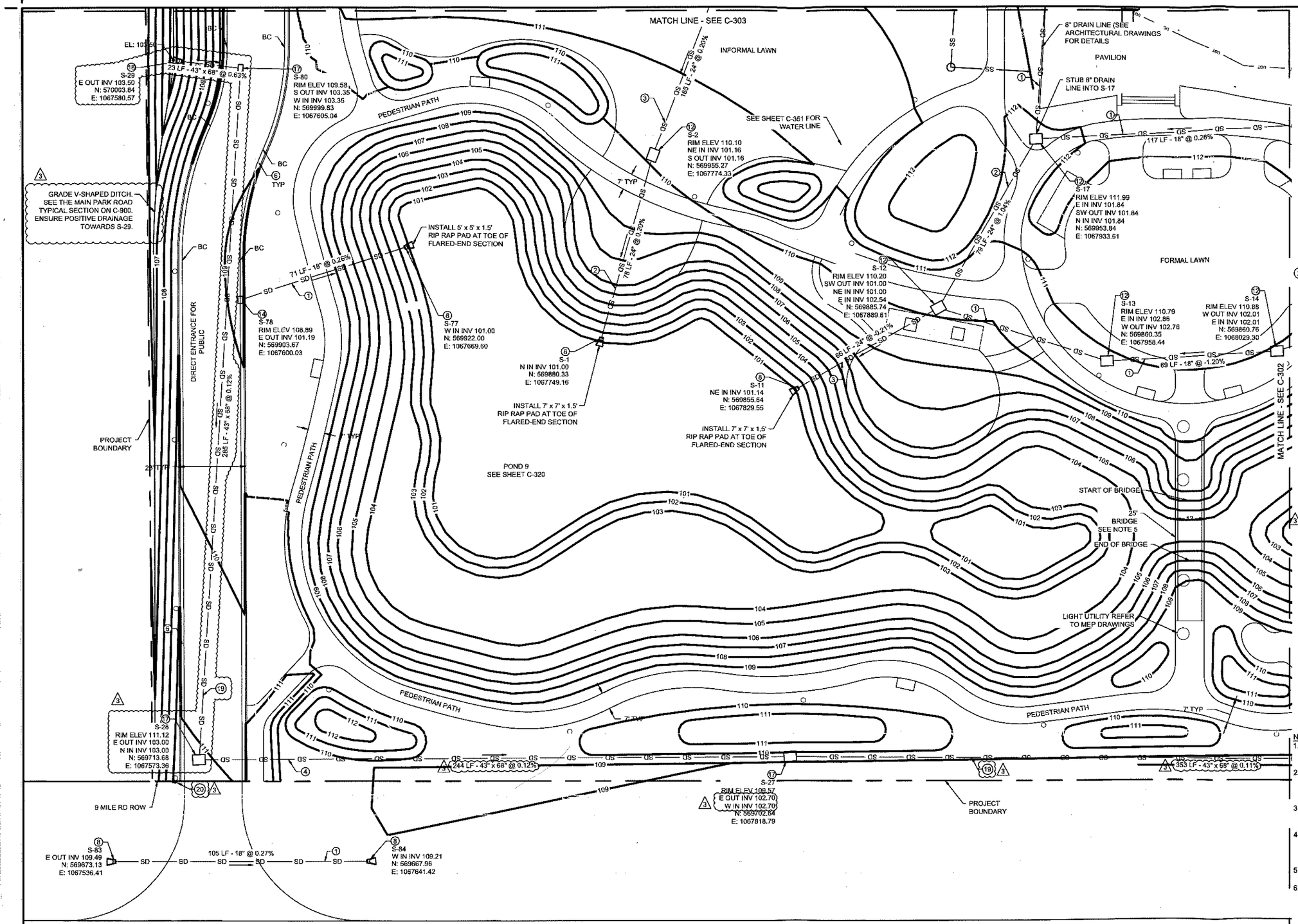
NO:	DATE:	REMARKS:
3	5/13/22	ASI 02
2	4/12/22	ASI 01 CONFORMED SET
1	2/21/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

REVISIONS

DRAWING TITLE: SITE PLAN OVERALL

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2022
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER: C-300



CONSTRUCTION NOTES:

1. CONSTRUCT 18" RCP SD
2. CONSTRUCT 24" RCP SD
3. CONSTRUCT 30" RCP SD
4. CONSTRUCT 36" RCP SD
8. CONSTRUCT FLARED-END AND RIPRAP. SEE 'ELLIPTICAL FLARED END SECTION' DETAIL ON SHEET C-902.
9. CONSTRUCT CURB PER 'FDOT TYPE F CURB' DETAIL SHOWN ON SHEET C-901.
12. CONSTRUCT DITCH BOTTOM INLET TYPE D PER FDOT STD PLANS 425-052.
14. CONSTRUCT TYPE 1 CURB INLET PER FDOT STD PLANS 425-010 AND 425-020.
17. CONSTRUCT TYPE 8 MANHOLE PER FDOT STD PLANS 425-001.
18. CONSTRUCT 43" x 68" MITERED END SECTION (3:1) PER FDOT STD PLANS 430-021.
19. CONSTRUCT 43" x 68" ELLIPTICAL RCP SD
20. INSTALL STOP SIGN* (FDOT STD PLAN 700-010)

NOTES:

1. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR PAVILION DESIGNS.
2. SEE LANDSCAPING AND ARCHITECTURAL FOR LAWN, RECREATIONAL FIELDS AND COURTS DESIGN.
3. RIM ELEVATION AND COORDINATES ARE TAKEN FROM THE MIDDLE OF THE INLET.
4. STORM PIPING FOR PAVILION ROOF TO BE ADDED IN STORM SYSTEM. SEE ARCHITECTURAL DRAWINGS FOR DETAILS AND LOCATIONS.
5. SEE STRUCTURAL DRAWINGS ON SHEET S-364.
6. SEE LANDSCAPING PLANS FOR PEDESTRIAN PATHWAY MATERIAL DESIGNATION LOCATIONS. SEE SHEET C-900 FOR TYPICAL SECTIONS OF MATERIAL DESIGNATIONS.
7. CONNECTION TO 9 MILE ROAD TO BE CONSTRUCTED PER FDOT STANDARD PLANS 330-001 FOR PAVED DRIVEWAYS.

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Associated Space Design, Inc. 2020

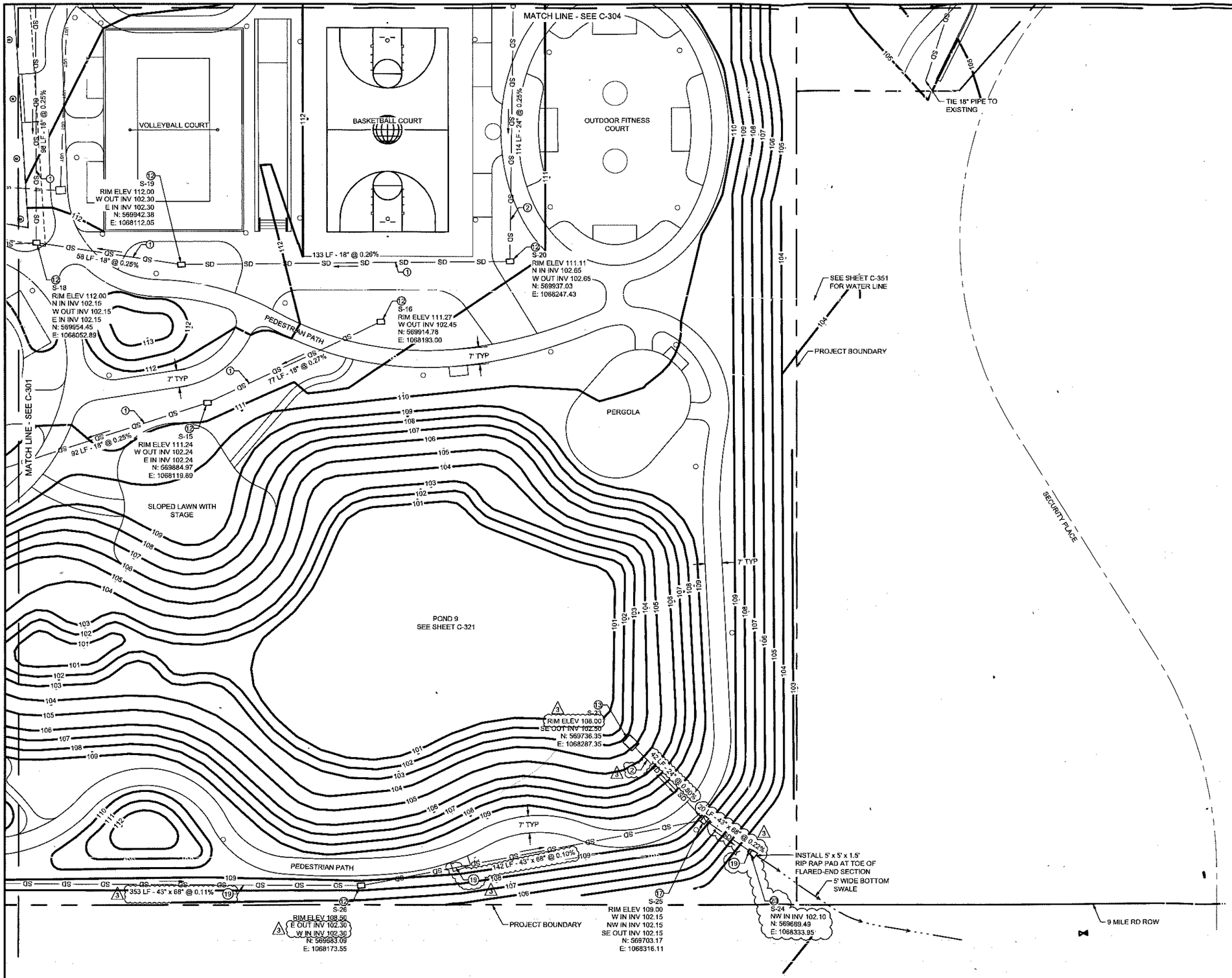
NO:	DATE:	REMARKS:
3	5/13/22	ASI 03
2	4/12/22	ASI 01 CONFORMED SET
1	2/21/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

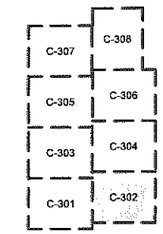
DRAWING TITLE:
GRADING & DRAINAGE PLAN

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2022
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-301



0 10 20 40 Feet
1" = 20'



CONSTRUCTION NOTES:

1. CONSTRUCT 18" RCP SD
2. CONSTRUCT 24" RCP SD
4. CONSTRUCT 36" RCP SD
8. CONSTRUCT FLARED-END AND RIPRAP. SEE 'ELLIPTICAL FLARED END SECTION' DETAIL ON SHEET C-902.
12. CONSTRUCT DITCH BOTTOM INLET TYPE D PER FDOT STD PLANS 425-052.
13. CONSTRUCT OUTFALL STRUCTURE PER 'OUTFALL DETAIL - POND 9' ON SHEET C-904.
17. CONSTRUCT TYPE 8 MANHOLE PER FDOT STD PLANS 425-001.
18. CONSTRUCT 43" x 68" MITERED END SECTION (3:1) PER FDOT STD PLANS 430-021.
19. CONSTRUCT 43" x 68" ELLIPTICAL RCP SD.
20. CONSTRUCT 43" x 68" MITERED END SECTION (4:1) PER FDOT STD PLANS 430-021.

NOTES:

1. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR PAVILION DESIGNS.
2. SEE LANDSCAPING AND ARCHITECTURAL FOR LAWN, RECREATIONAL FIELDS AND COURTS DESIGN.
3. RIM ELEVATIONS AND COORDINATE TAKEN FROM THE MIDDLE OF THE INLET.
4. SEE LANDSCAPING PLANS FOR PEDESTRIAN PATHWAY MATERIAL DESIGNATION LOCATIONS. SEE SHEET C-900 FOR TYPICAL SECTIONS OF MATERIAL DESIGNATIONS.

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Mailing Address

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5/19/2022

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Associated Space Design, Inc. 2020

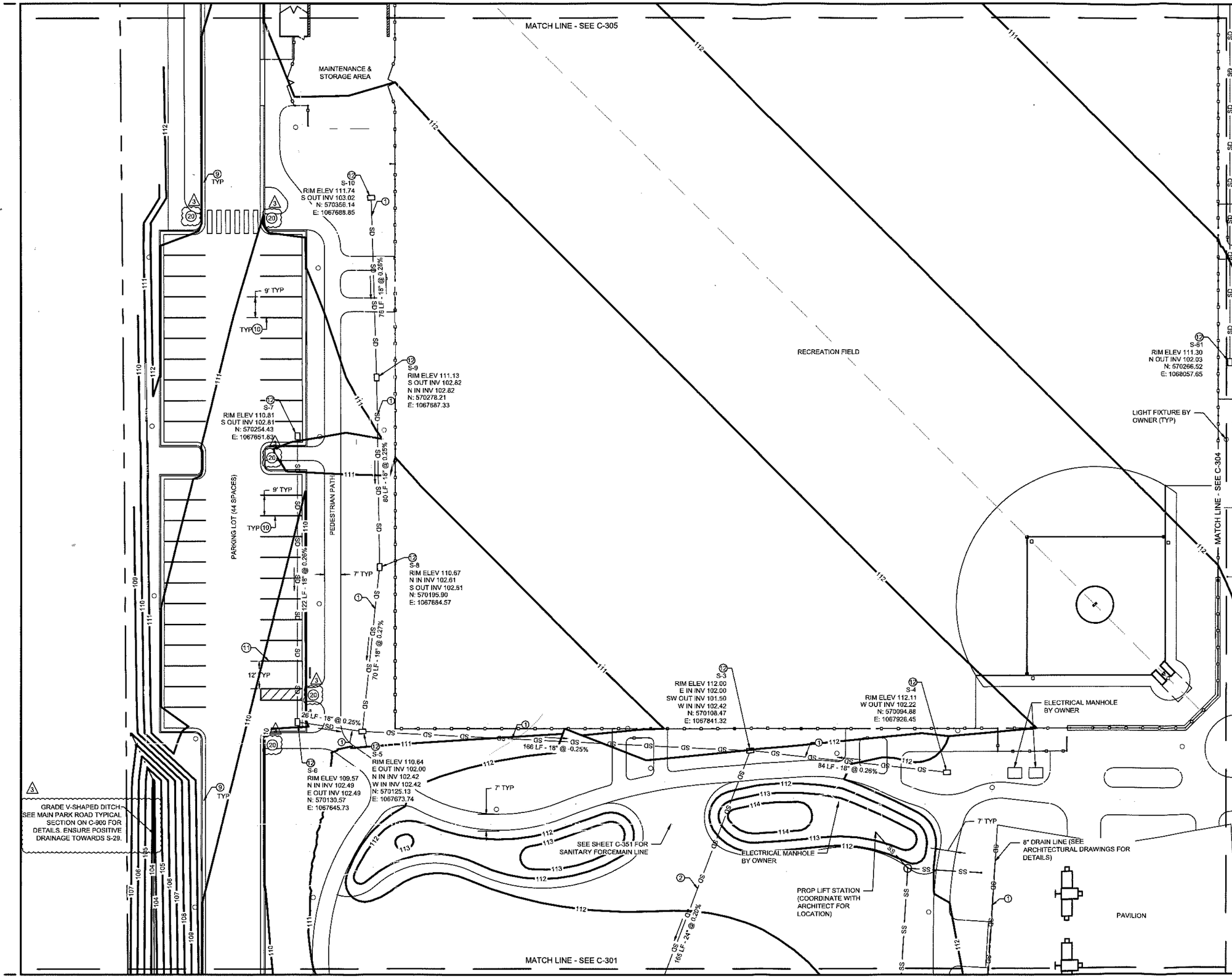
NO:	DATE:	REMARKS:
3	5/13/22	ASI 02
2	4/12/22	ASI 01 CONFORMED SET
1	2/21/22	ADDENDUM #2
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
GRADING & DRAINAGE PLAN

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2022
DRAWN BY: GFC	CHECKED BY: M.GUND

SHEET NUMBER:
C-302



0 10 20 40 Feet
1" = 20'

C-307 C-308 C-305 C-306 C-303 C-304 C-301 C-302

CONSTRUCTION NOTES:

1. CONSTRUCT 18" RCP SD
2. CONSTRUCT 24" RCP SD
9. CONSTRUCT CURB PER 'FDOT TYPE F CURB' DETAIL SHOWN ON SHEET C-901.
10. INSTALL PARKING STALL.
11. INSTALL ADA PARKING STALL. SEE 'ADA PARKING DETAIL' ON SHEET C-902 AND FDOT STD PLAN 711-001.
12. CONSTRUCT DITCH BOTTOM INLET TYPE D PER FDOT STD PLAN 425-052.
20. INSTALL CURB RAMP TYPE CR-E PER FDOT STD PLAN 522-002.

NOTES:

1. SEE LANDSCAPING AND ARCHITECTURAL FOR LAWN, RECREATIONAL FIELDS AND COURTS DESIGN.
2. RIM ELEVATIONS AND COORDINATES ARE TAKEN FROM THE MIDDLE OF THE INLET.
3. SEE LANDSCAPING PLANS FOR PEDESTRIAN PATHWAY MATERIAL DESIGNATION LOCATIONS. SEE SHEET C-900 FOR TYPICAL SECTIONS OF MATERIAL DESIGNATIONS.

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Associated Space Design, Inc. 2020

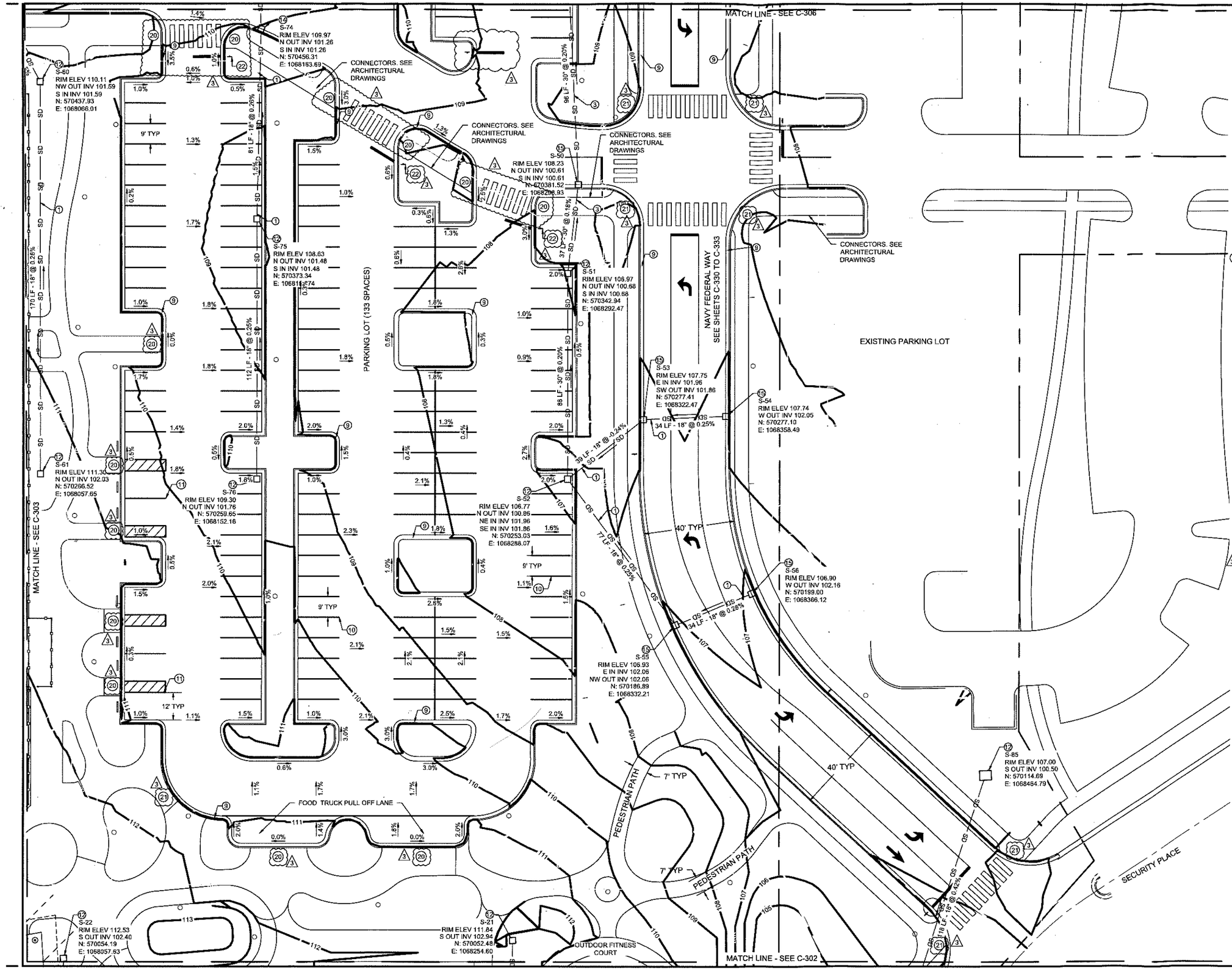
NO:	DATE:	REMARKS:
3	5/13/22	ASI 03
2	4/12/22	ASI 01 CONFORMED SET
1	2/2/22	ADDENDUM 01
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
GRADING & DRAINAGE PLAN

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2022
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-303



0 10 20 40 Feet
1" = 20'

C-307 C-308 C-305 C-306 C-303 C-304 C-301 C-302

CONSTRUCTION NOTES:

1. CONSTRUCT 18" RCP SD
2. CONSTRUCT 24" RCP SD
3. CONSTRUCT 30" RCP SD
4. CONSTRUCT 36" RCP SD
8. CONSTRUCT FLARED-END AND RIPRAP. SEE 'ELLIPTICAL FLARED END SECTION' DETAIL ON SHEET C-902.
9. CONSTRUCT CURB PER 'FDOT TYPE F CURB' DETAIL SHOWN ON SHEET C-901.
10. INSTALL PARKING STALL.
11. INSTALL ADA PARKING STALL. SEE 'ADA PARKING DETAIL' ON SHEET C-902 AND FDOT STD PLAN 711-001.
12. CONSTRUCT DITCH BOTTOM INLET TYPE D PER FDOT STD PLANS 425-052.
14. CONSTRUCT TYPE 1 CURB INLET PER FDOT STD PLANS 425-010 AND 425-020.
20. INSTALL CURB RAMP TYPE CR-E PER FDOT STD PLAN 522-002.
21. INSTALL CURB RAMP TYPE CR-L PER FDOT STD PLAN 522-002.
22. INSTALL STOP SIGN* (FDOT STD PLAN 700-010)

NOTES:

1. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR PAVILION DESIGNS.
2. SEE LANDSCAPING AND ARCHITECTURAL FOR LAWN, RECREATIONAL FIELDS AND COURTS DESIGN.
3. RIM ELEVATIONS AND COORDINATES ARE TAKEN FROM THE CENTER OF THE INLET.
4. SEE SHEETS C-330 TO C-342 FOR NAVY FEDERAL WAY.
5. SEE LANDSCAPING PLANS FOR PEDESTRIAN PATHWAY MATERIAL DESIGNATION LOCATIONS. SEE SHEET C-900 FOR TYPICAL SECTIONS OF MATERIAL DESIGNATIONS.

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Associated Space Design, Inc. 2021

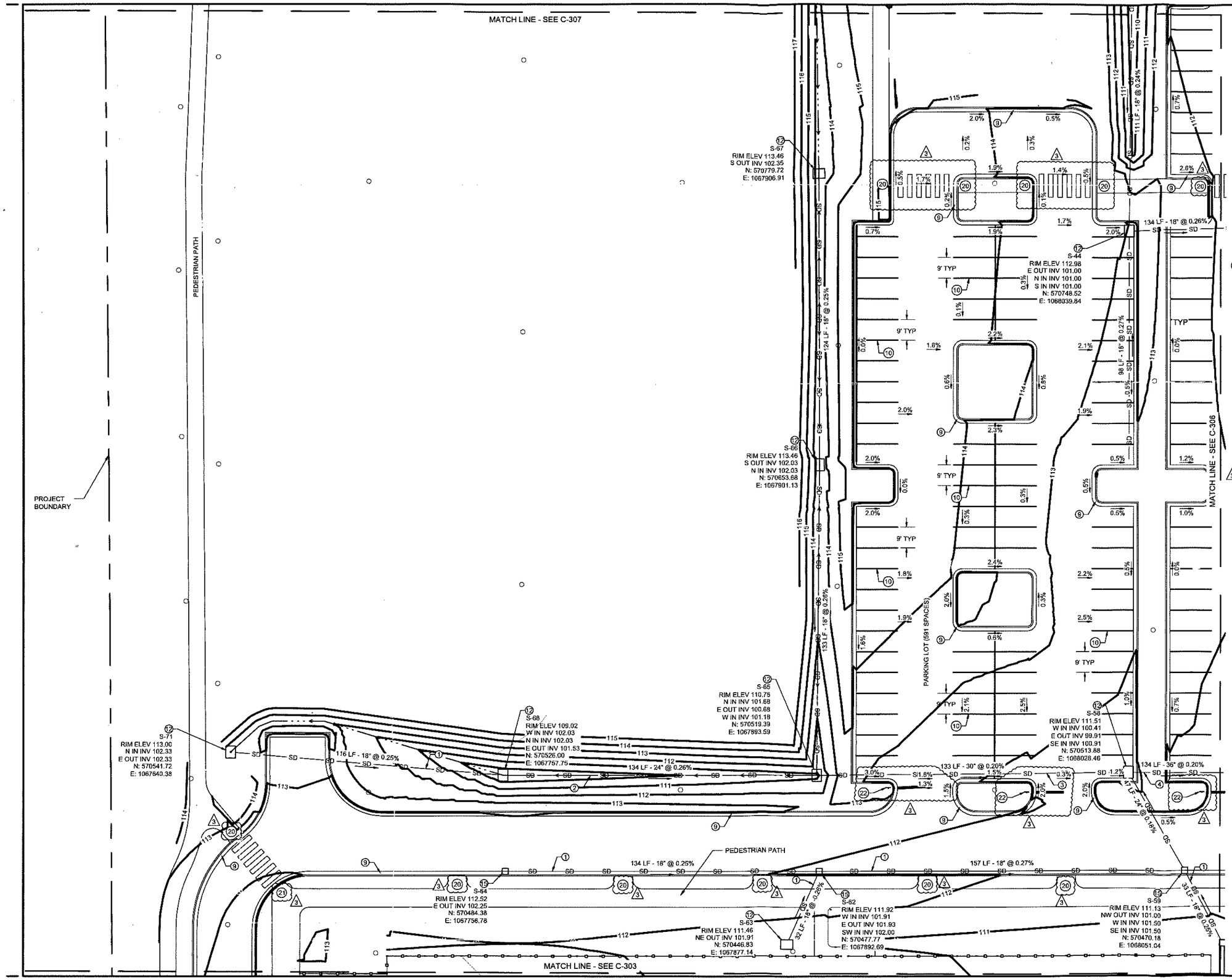
NO:	DATE:	REMARKS:
3	5/13/22	ASI 02
2	4/13/22	ASI 01 CONFORMED SET
1	2/21/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
GRADING & DRAINAGE PLAN

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2021
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-304



CONSTRUCTION NOTES:

1. CONSTRUCT 18" RCP SD
2. CONSTRUCT 24" RCP SD
3. CONSTRUCT 30" RCP SD
4. CONSTRUCT 36" RCP SD
9. CONSTRUCT CURB PER 'FDOT TYPE F CURB' DETAIL SHOWN ON SHEET C-901.
10. INSTALL PARKING STALL.
11. INSTALL ADA PARKING STALL. SEE 'ADA PARKING DETAIL' ON SHEET C-902 AND FDOT STD PLAN 711-001.
12. CONSTRUCT DITCH BOTTOM INLET TYPE D PER FDOT STD PLANS 425-052.
15. CONSTRUCT TYPE 2 CURB INLET PER FDOT STD PLANS 425-010 AND 425-020.
20. INSTALL CURB RAMP TYPE CR-E PER FDOT STD PLAN 522-002.
21. INSTALL CURB RAMP TYPE CR-L PER FDOT STD PLAN 522-002.
22. INSTALL STOP SIGN* (FDOT STD PLAN 700-010).

NOTES:

1. SEE LANDSCAPING AND ARCHITECTURAL FOR LAWN, RECREATIONAL FIELDS AND COURTS DESIGN.
2. RIM ELEVATIONS AND COORDINATES ARE TAKEN FROM THE MIDDLE OF THE INLET.
3. SEE LANDSCAPING PLANS FOR PEDESTRIAN PATHWAY MATERIAL DESIGNATION LOCATIONS. SEE SHEET C-900 FOR TYPICAL SECTIONS OF MATERIAL DESIGNATIONS.

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5/19/2022

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Associated Space Design, Inc. 2021

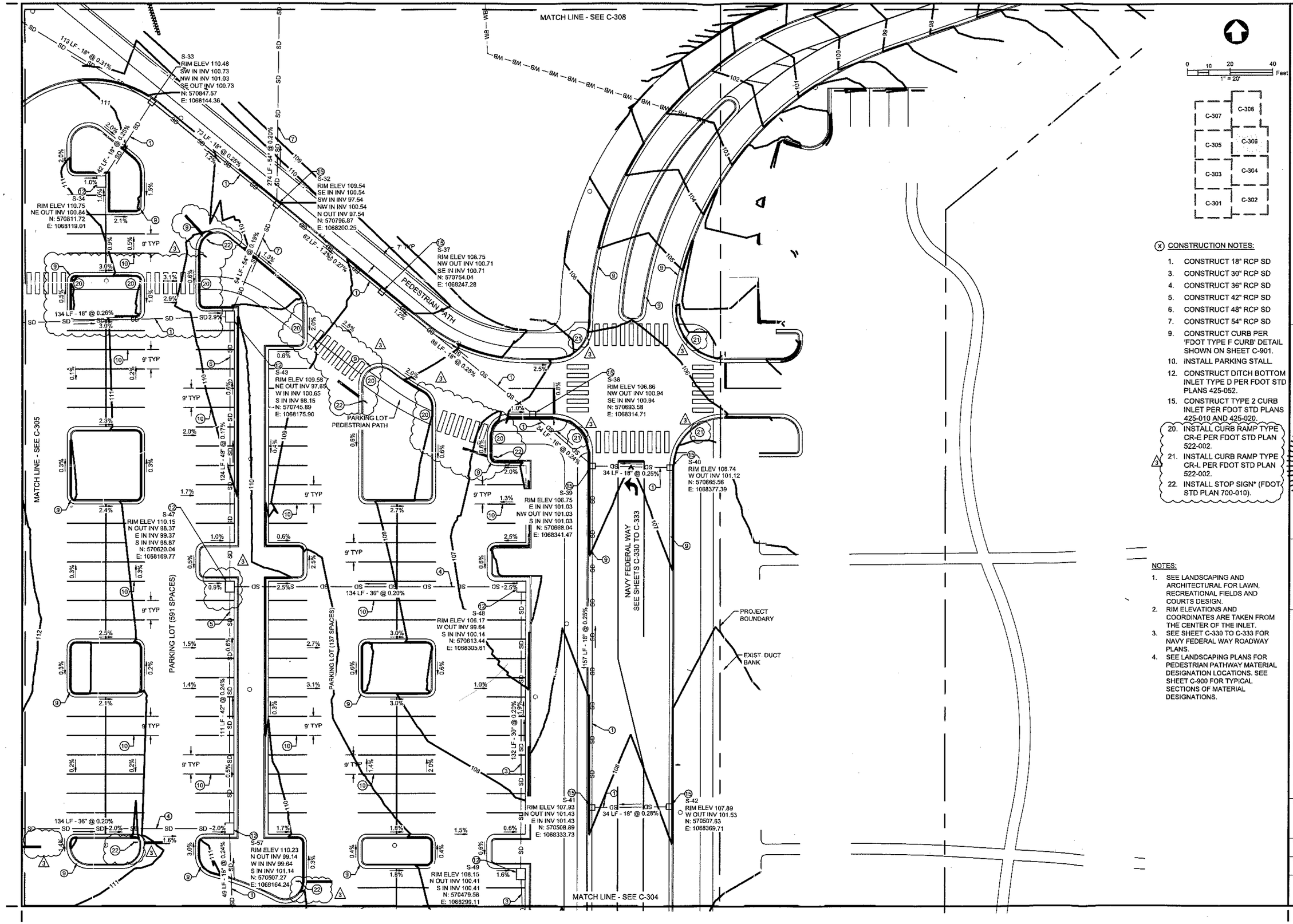
NO:	DATE:	REMARKS:
3	5/13/22	ASI 02
2	4/13/22	ASI 01 CONFORMED SET
1	2/21/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
GRADING & DRAINAGE PLAN

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2021
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-305



0 10 20 40 Feet
1" = 20'

C-307 C-308
C-305 C-306
C-303 C-304
C-301 C-302

CONSTRUCTION NOTES:

1. CONSTRUCT 18" RCP SD
3. CONSTRUCT 30" RCP SD
4. CONSTRUCT 36" RCP SD
5. CONSTRUCT 42" RCP SD
6. CONSTRUCT 48" RCP SD
7. CONSTRUCT 54" RCP SD
9. CONSTRUCT CURB PER 'FDOT TYPE F CURB' DETAIL SHOWN ON SHEET C-901.
10. INSTALL PARKING STALL.
12. CONSTRUCT DITCH BOTTOM INLET TYPE D PER FDOT STD PLANS 425-052.
15. CONSTRUCT TYPE 2 CURB INLET PER FDOT STD PLANS 425-010 AND 425-020.
20. INSTALL CURB RAMP TYPE CR-E PER FDOT STD PLAN 522-002.
21. INSTALL CURB RAMP TYPE CR-L PER FDOT STD PLAN 522-002.
22. INSTALL STOP SIGN* (FDOT STD PLAN 700-010).

NOTES:

1. SEE LANDSCAPING AND ARCHITECTURAL FOR LAWN, RECREATIONAL FIELDS AND COURTS DESIGN.
2. RIM ELEVATIONS AND COORDINATES ARE TAKEN FROM THE CENTER OF THE INLET.
3. SEE SHEET C-330 TO C-333 FOR NAVY FEDERAL WAY ROADWAY PLANS.
4. SEE LANDSCAPING PLANS FOR PEDESTRIAN PATHWAY MATERIAL DESIGNATION LOCATIONS. SEE SHEET C-900 FOR TYPICAL SECTIONS OF MATERIAL DESIGNATIONS.

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Associated Space Design, Inc. 2021

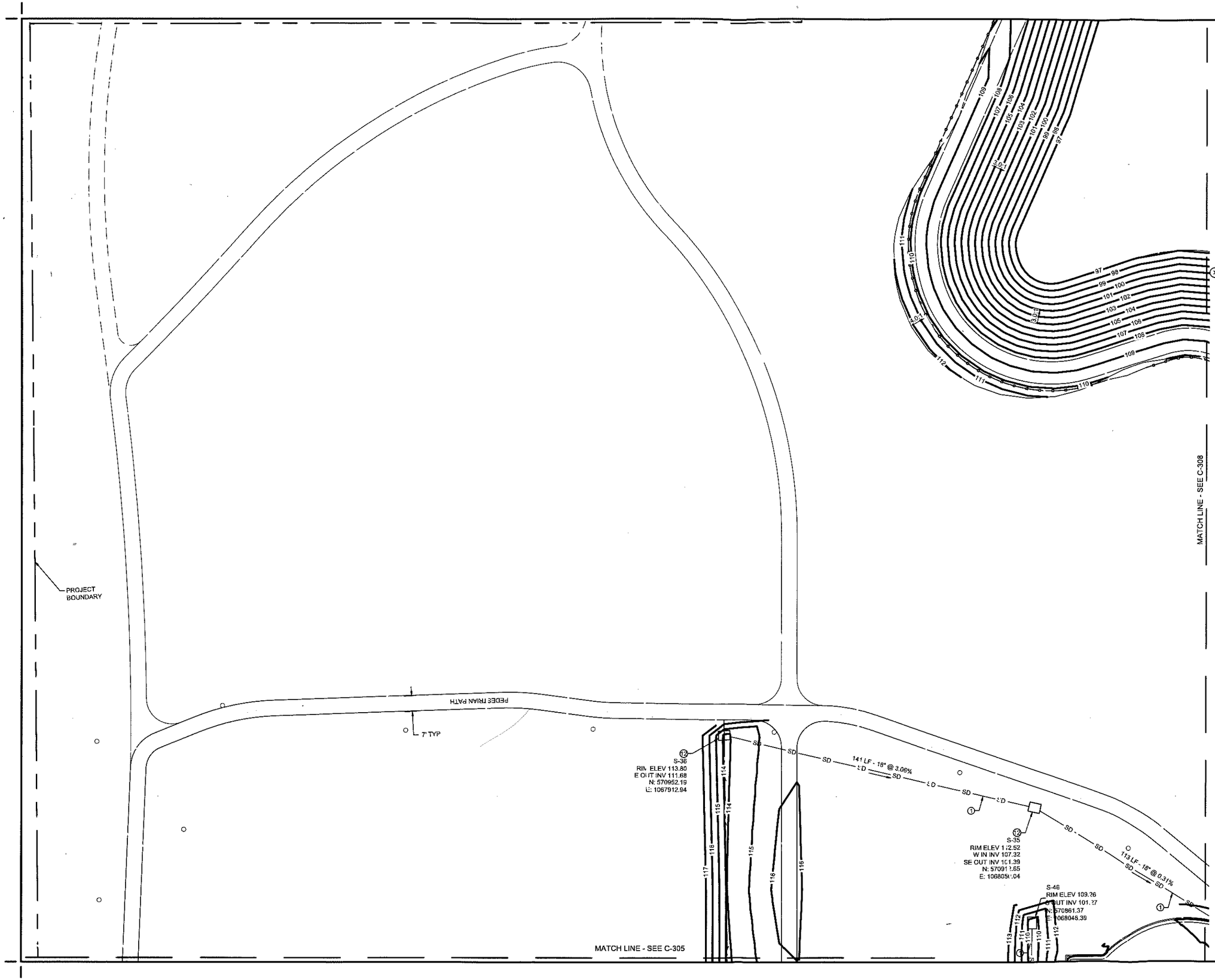
NO:	DATE:	REMARKS:
3	5/13/22	ASI 02
2	4/12/22	ASI 01 CONFORMED SET
1	2/21/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
GRADING & DRAINAGE PLAN

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2021
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-306



CONSTRUCTION NOTES:

1. CONSTRUCT 18" RCP SD
12. CONSTRUCT DITCH BOTTOM INLET TYPE D PER FDOT STD PLANS 425-052.

NOTES:

1. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR PAVILION DESIGNS.
2. SEE LANDSCAPING AND ARCHITECTURAL FOR LAWN, RECREATIONAL FIELDS AND COURTS DESIGN.
3. RIM ELEVATIONS AND COORDINATES ARE TAKEN FROM THE MIDDLE OF THE INLET.
4. SEE LANDSCAPING PLANS FOR PEDESTRIAN PATHWAY MATERIAL DESIGNATION LOCATIONS. SEE SHEET C-900 FOR TYPICAL SECTIONS OF MATERIAL DESIGNATIONS.

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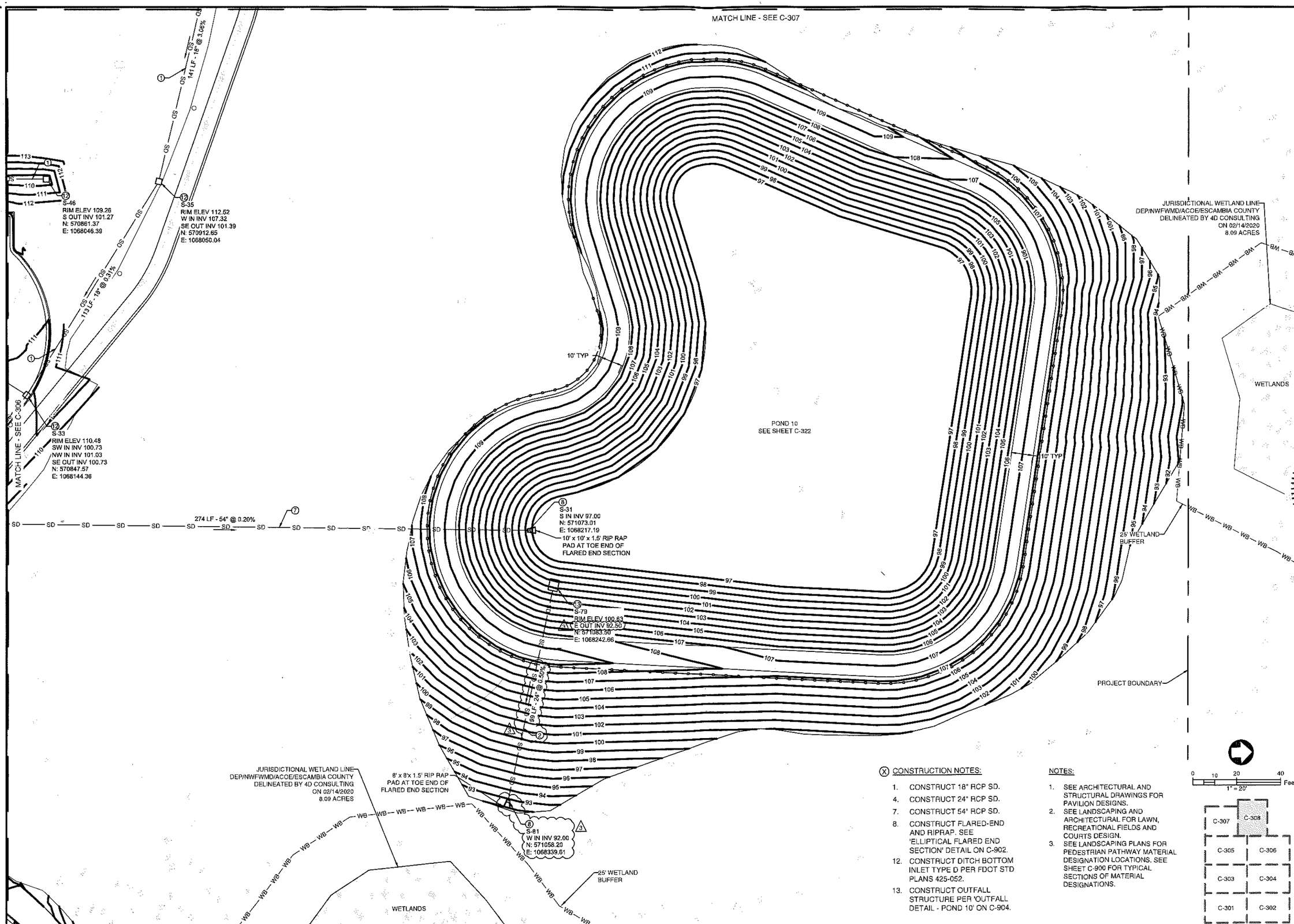
NO:	DATE:	REMARKS:
2	4/12/22	AS101 CONFORMED SET
1	2/21/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
GRADING & DRAINAGE PLAN

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2021
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-307



(X) CONSTRUCTION NOTES:

1. CONSTRUCT 18" RCP SD.
4. CONSTRUCT 24" RCP SD.
7. CONSTRUCT 54" RCP SD.
8. CONSTRUCT FLARED-END AND RIPRAP. SEE 'ELLIPTICAL FLARED END SECTION' DETAIL ON C-902.
12. CONSTRUCT DITCH BOTTOM INLET TYPE D PER FDOT STD PLANS 425-052.
13. CONSTRUCT OUTFALL STRUCTURE PER 'OUTFALL DETAIL - POND 10' ON C-904.

NOTES:

1. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR PAVILION DESIGNS.
2. SEE LANDSCAPING AND ARCHITECTURAL FOR LAWN, RECREATIONAL FIELDS AND COURTS DESIGN.
3. SEE LANDSCAPING PLANS FOR PEDESTRIAN PATHWAY MATERIAL DESIGNATION LOCATIONS. SEE SHEET C-900 FOR TYPICAL SECTIONS OF MATERIAL DESIGNATIONS.

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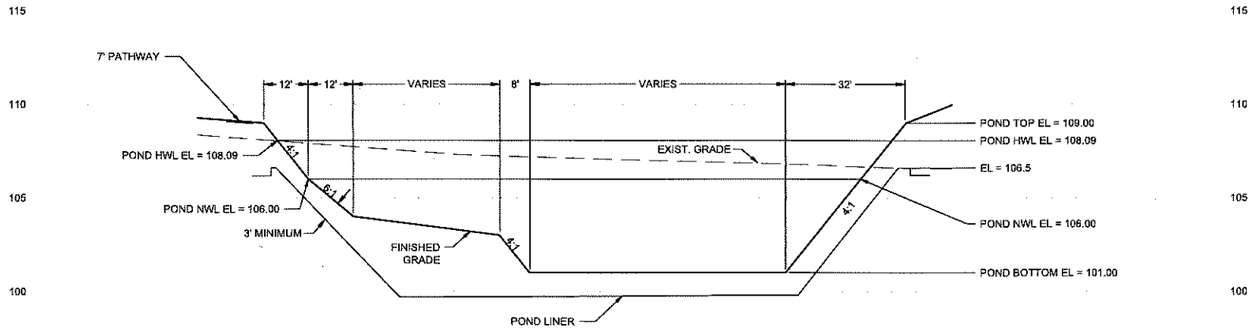
2	4/12/22	ASI 01 CONFORMED SET
1	3/21/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
GRADING & DRAINAGE PLAN

PROJECT NO:	ISSUE DATE:
D3232200	1.14.2021
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-308



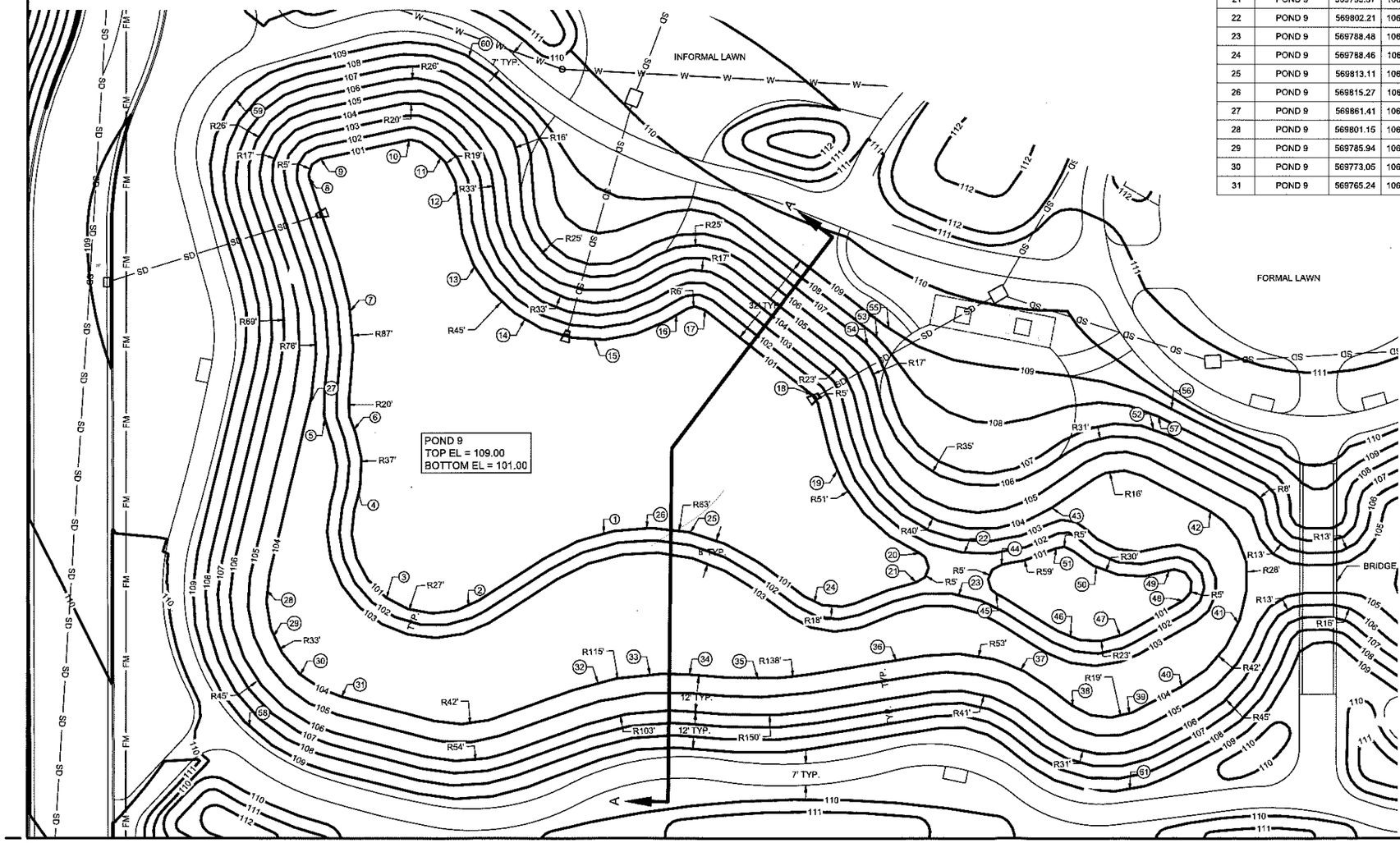
POND 9 SECTION A

0 10 20 40 Feet
1" = 20' HORIZONTAL

0 2 4 8 Feet
1" = 4' VERTICAL

Point Table				
Point #	Raw Description	Northing	Easting	Elevation
1	POND 9	569814.25	1067757.76	101.00
2	POND 9	569792.64	1067712.50	101.00
3	POND 9	569796.64	1067686.13	101.00
4	POND 9	569831.07	1067678.67	101.00
5	POND 9	569855.61	1067668.82	103.00
6	POND 9	569851.89	1067678.12	101.00
7	POND 9	569890.45	1067678.83	101.00
8	POND 9	569934.46	1067667.50	101.00
9	POND 9	569940.36	1067671.60	101.00
10	POND 9	569945.11	1067700.57	101.00
11	POND 9	569939.01	1067710.59	101.00
12	POND 9	569928.20	1067715.43	101.00
13	POND 9	569902.88	1067719.79	101.00
14	POND 9	569884.87	1067735.22	101.00
15	POND 9	569877.21	1067757.68	101.00
16	POND 9	569883.98	1067784.71	101.00
17	POND 9	569885.23	1067794.09	101.00
18	POND 9	569855.89	1067827.68	101.00
19	POND 9	569830.73	1067834.44	101.00
20	POND 9	569802.82	1067859.97	101.00
21	POND 9	569793.37	1067858.36	101.00
22	POND 9	569802.21	1067874.57	102.00
23	POND 9	569788.48	1067872.09	102.00
24	POND 9	569788.46	1067825.21	101.00
25	POND 9	569813.11	1067785.92	101.00
26	POND 9	569815.27	1067771.91	101.00
27	POND 9	569861.41	1067664.30	104.00
28	POND 9	569801.15	1067647.33	104.00
29	POND 9	569785.94	1067648.83	104.00
30	POND 9	569773.05	1067657.02	104.00
31	POND 9	569765.24	1067670.08	104.00

Point Table				
Point #	Raw Description	Northing	Easting	Elevation
32	POND 9	569765.76	1067753.61	104.00
33	POND 9	569767.60	1067770.65	104.00
34	POND 9	569766.88	1067783.54	104.00
35	POND 9	569764.48	1067805.72	104.00
36	POND 9	569768.32	1067850.73	104.00
37	POND 9	569763.17	1067891.37	104.00
38	POND 9	569750.66	1067907.64	106.00
39	POND 9	569747.20	1067925.97	106.00
40	POND 9	569755.14	1067943.30	106.00
41	POND 9	569774.88	1067962.81	106.00
42	POND 9	569811.72	1067955.28	106.00
43	POND 9	569815.31	1067903.97	106.00
44	POND 9	569797.46	1067886.51	103.00
45	POND 9	569788.10	1067884.43	103.00
46	POND 9	569773.08	1067907.90	101.00
47	POND 9	569772.76	1067924.28	101.00
48	POND 9	569783.09	1067945.25	103.00
49	POND 9	569793.13	1067941.10	103.00
50	POND 9	569795.45	1067917.47	101.00
51	POND 9	569802.23	1067904.69	101.00
52	POND 9	569839.47	1067938.03	107.00
53	POND 9	569873.38	1067849.58	108.00
54	POND 9	569871.35	1067846.28	107.00
55	POND 9	569876.45	1067853.39	109.00
56	POND 9	569845.63	1067944.31	109.00
57	POND 9	569843.42	1067939.85	108.00
58	POND 9	569756.93	1067639.57	109.00
59	POND 9	569960.87	1067645.16	109.00
60	POND 9	569971.08	1067721.20	109.00
61	POND 9	569722.59	1067924.87	109.00



GENERAL NOTES:

1. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR PAVILION DESIGN.
2. SEE LANDSCAPING AND ARCHITECTURAL FOR LAWN, RECREATIONAL FIELDS, AND COURTS DESIGN.
3. SEE GRADING AND DRAINAGE PLANS FOR STORM DRAIN DESIGN.
4. SEE STRUCTURAL DRAWING FOR BRIDGE DESIGN
5. THE POND LINER SHALL BE 40 MIL HDPE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS WITH A MINIMUM COVER OF 3 FEET. LINER SHALL HAVE A MINIMUM SLOPE OF 2 PERCENT AND BE POSITIVELY SLOPED TO PREVENT BUILD UP OF AIR OR GAS BENEATH THE LINER. COORDINATE WITH THE GEOTECHNICAL ENGINEER AND LINER MANUFACTURER FOR DIRECTION ON LINER BALLAST.
6. STABILIZE ALL DISTURBED AREAS ABOVE THE PERMANENT POOL ELEVATION PER THE PROJECT SPECIFICATIONS AND WITH THE TYPES OF GRASS, GROUND COVER, AND/OR PLANTINGS SHOWN IN THE LANDSCAPE PLANS. 3

0 10 20 40 Feet
1" = 20'

POND 9 GRADING PLAN

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5/13/2023

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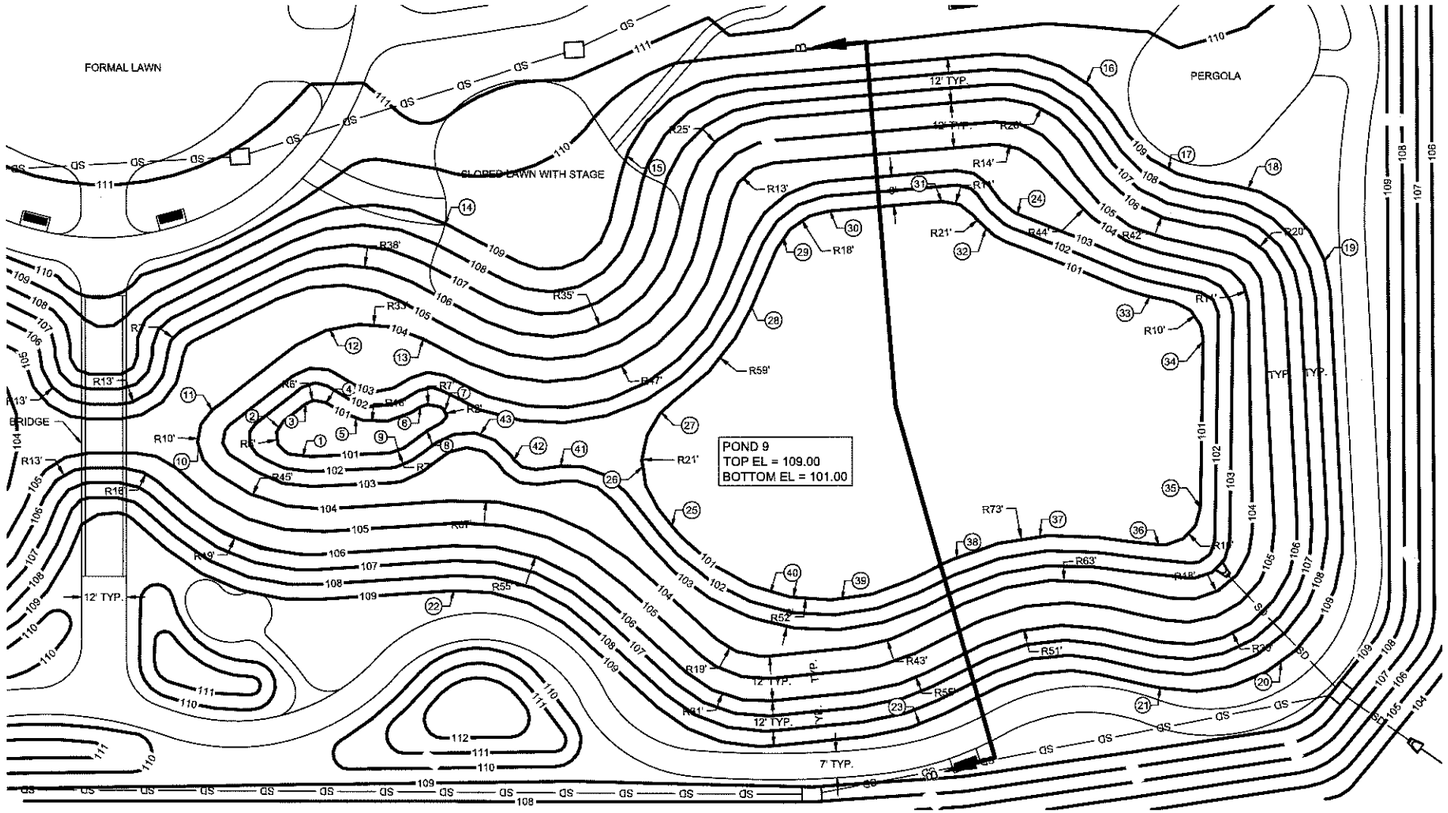
NO:	DATE:	REMARKS:
3	5/13/23	ASI 02
2	4/12/22	ASI 01 CONFORMED SET
1	2/21/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
POND 9 GRADING & DRAINAGE PLAN

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2021
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-320

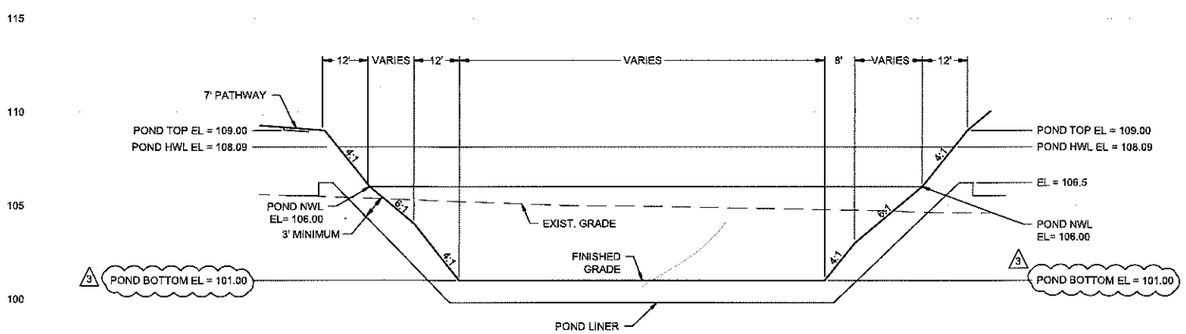


0 10 20 40 Feet
1" = 20'

POND 9 GRADING PLAN

Point Table				
Point #	Raw Description	Northing	Easting	Elevation
1	POND 9	569779.85	1068042.16	101.05
2	POND 9	569788.06	1068035.98	101.06
3	POND 9	569793.77	1068043.50	101.00
4	POND 9	569793.83	1068049.13	101.00
5	POND 9	569789.27	1068056.82	101.00
6	POND 9	569791.65	1068074.27	101.00
7	POND 9	569790.37	1068080.73	101.06
8	POND 9	569785.16	1068075.64	101.00
9	POND 9	569780.12	1068067.74	101.07
10	POND 9	569783.51	1068014.35	104.03
11	POND 9	569793.41	1068018.49	104.00
12	POND 9	569813.41	1068051.02	104.01
13	POND 9	569809.73	1068075.80	104.00
14	POND 9	569839.85	1068083.08	108.94
15	POND 9	569856.15	1068132.47	109.01
16	POND 9	569869.43	1068256.03	109.05
17	POND 9	569845.03	1068276.95	108.94
18	POND 9	569839.17	1068297.92	109.01
19	POND 9	569818.61	1068317.28	109.00
20	POND 9	569712.17	1068300.53	109.00
21	POND 9	569707.00	1068267.86	109.00
22	POND 9	569742.14	1068080.69	108.99

Point Table				
Point #	Raw Description	Northing	Easting	Elevation
23	POND 9	569700.36	1068203.28	109.00
24	POND 9	569835.16	1068236.04	103.00
25	POND 9	569758.51	1068139.70	101.00
26	POND 9	569772.68	1068132.48	101.03
27	POND 9	569787.14	1068138.28	101.01
28	POND 9	569813.98	1068163.76	101.00
29	POND 9	569832.27	1068173.19	101.07
30	POND 9	569838.66	1068185.97	101.00
31	POND 9	569839.55	1068215.89	101.00
32	POND 9	569831.56	1068227.30	101.00
33	POND 9	569811.68	1068270.28	101.00
34	POND 9	569798.83	1068283.80	101.00
35	POND 9	569754.55	1068280.94	101.00
36	POND 9	569745.33	1068269.33	101.00
37	POND 9	569748.97	1068237.68	101.00
38	POND 9	569744.39	1068215.31	101.00
39	POND 9	569734.75	1068184.18	101.06
40	POND 9	569737.53	1068165.14	101.07
41	POND 9	569773.93	1068110.78	102.00
42	POND 9	569776.17	1068098.45	102.00
43	POND 9	569783.57	1068089.91	101.86



POND 9 SECTION B

0 10 20 40 Feet
1" = 20' HORIZONTAL

0 10 20 40 Feet
1" = 4' VERTICAL

GENERAL NOTES:

1. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR PAVILION DESIGN.
2. SEE LANDSCAPING AND ARCHITECTURAL FOR LAWN, RECREATIONAL FIELDS, AND COURTS DESIGN.
3. SEE GRADING AND DRAINAGE PLANS FOR STORM DRAIN DESIGN.
4. SEE STRUCTURAL DRAWING FOR BRIDGE DESIGN
5. THE POND LINER SHALL BE 40 MIL HDPE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS WITH A MINIMUM COVER OF 3 FEET. LINER SHALL HAVE A MINIMUM SLOPE OF 2 PERCENT AND BE POSITIVELY SLOPED TO PREVENT BUILD UP OF AIR OR GAS BENEATH THE LINER. COORDINATE WITH THE GEOTECHNICAL ENGINEER AND LINER MANUFACTURER FOR DIRECTION ON LINER BALLAST.
6. STABILIZE ALL DISTURBED AREAS ABOVE THE PERMANENT POOL ELEVATION PER THE PROJECT SPECIFICATIONS AND WITH THE TYPES OF GRASS, GROUND COVER, AND/OR PLANTINGS SHOWN IN THE LANDSCAPE PLANS.

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NO:	DATE:	REMARKS:
3	5/13/22	ASI 03
2	4/12/22	ASI 01 CONFORMED SET
1	2/21/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
POND 9 GRADING & DRAINAGE PLAN

PROJECT NO.:	ISSUE DATE:
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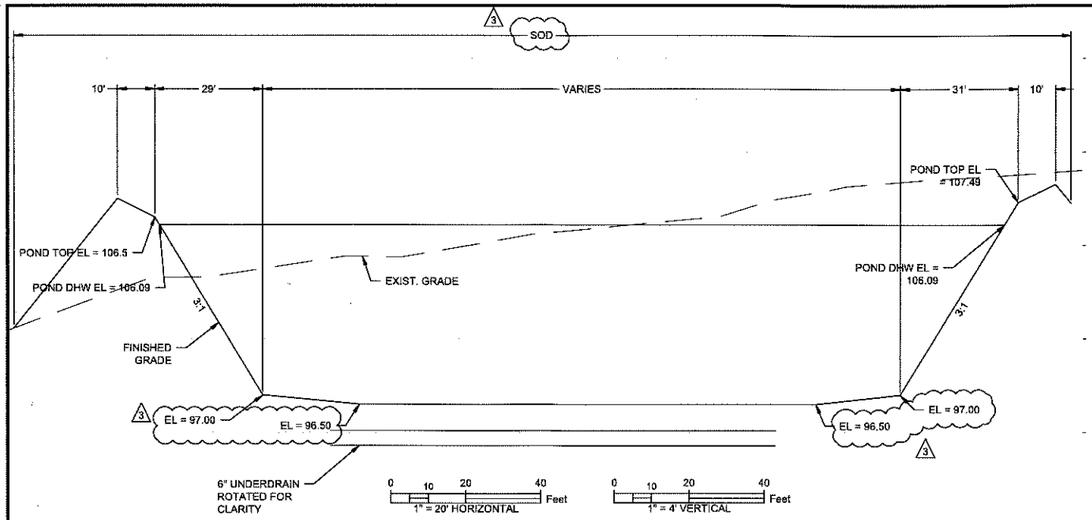
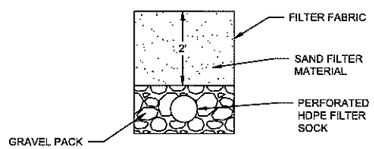
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-321



POND 10 SECTION C

Point Table				
Point #	Raw Description	Northing	Easting	Elevation
1	POND 10	571146.94	1068073.31	97.00
2	POND 10	571154.92	1068055.92	97.00
3	POND 10	571170.63	1068055.48	0.00
4	POND 10	571221.65	1068081.00	97.00
5	POND 10	571268.78	1068097.81	97.00
6	POND 10	571278.52	1068108.19	97.00
7	POND 10	571279.90	1068120.83	97.00
8	POND 10	571257.48	1068236.35	97.20
9	POND 10	571247.57	1068249.92	97.00
10	POND 10	571235.31	1068253.23	97.00
12	POND 10	571088.46	1068232.46	97.00
13	POND 10	571074.86	1068216.92	97.00
14	POND 10	571087.43	1068202.45	97.00
15	POND 10	571141.69	1068241.00	97.20
16	POND 10	571266.51	1068191.08	97.20
17	POND 10	571146.21	1068168.13	0.00
18	POND 10	571158.40	1068126.54	97.00
19	POND 10	571156.02	1068108.47	97.00
20	POND 10	571281.58	1068072.02	106.50
21	POND 10	571308.03	1068129.35	109.00
22	POND 10	571285.13	1068241.77	106.50
23	POND 10	571231.08	1068281.83	106.50
24	POND 10	571083.90	1068267.02	109.00
25	POND 10	571040.00	1068219.10	109.00
26	POND 10	571081.57	1068168.10	109.00
27	POND 10	571090.27	1068166.61	109.00
28	POND 10	571117.35	1068148.33	109.00
29	POND 10	571122.69	1068121.15	109.00
30	POND 10	571113.05	1068082.11	109.00
31	POND 10	571120.77	1068040.76	109.00
32	POND 10	571186.22	1068024.31	109.00
33	POND 10	571263.96	1068063.21	107.49
34	POND 10	571307.69	1068105.13	106.50
35	POND 10	571317.30	1068131.02	106.50
36	POND 10	571294.94	1068243.73	106.50
37	POND 10	571279.05	1068273.87	106.50
38	POND 10	571227.97	1068291.57	106.50
39	POND 10	571082.69	1068276.94	109.00
40	POND 10	571046.83	1068258.99	109.00

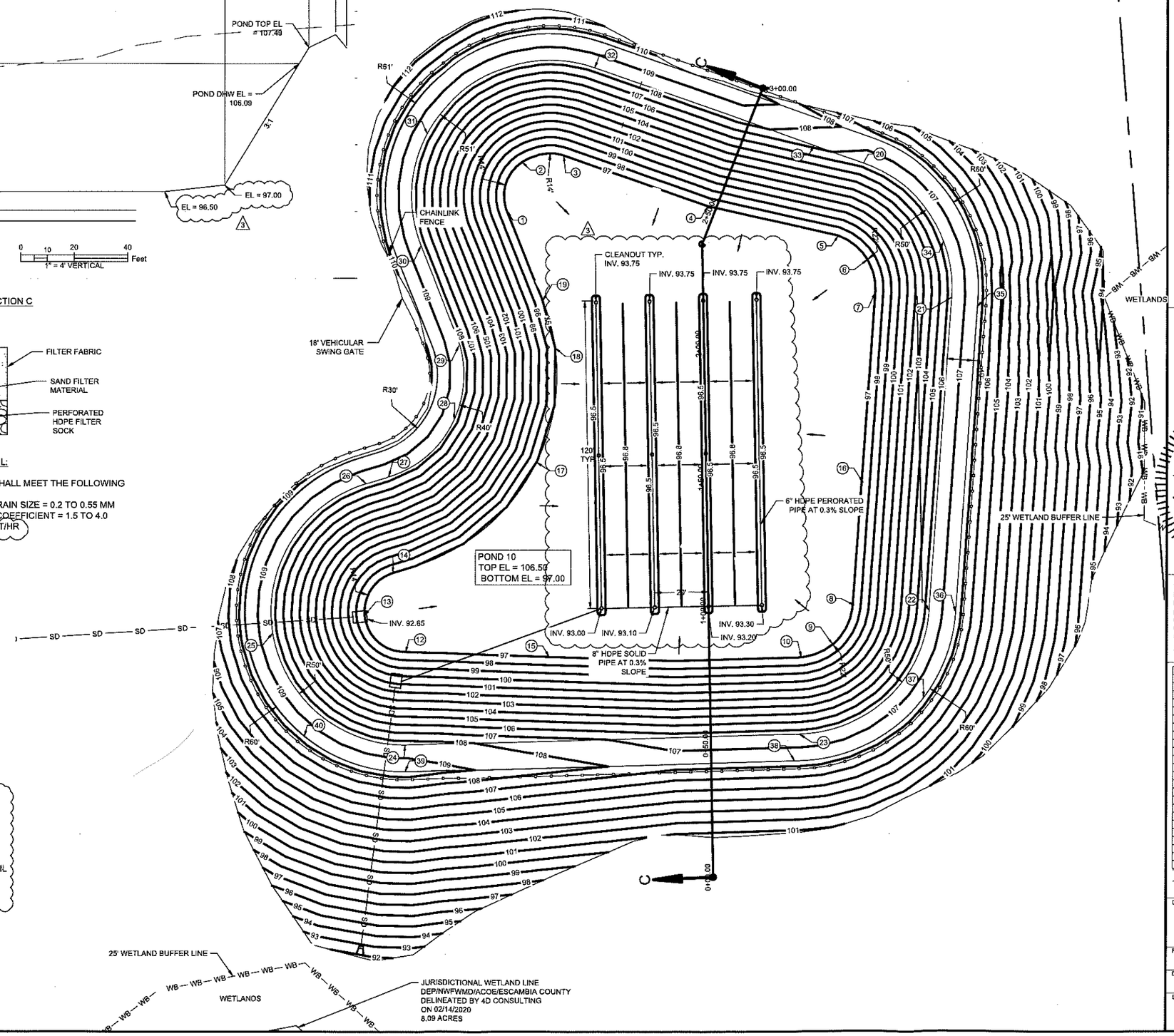


UNDERDRAIN DETAIL:

FILTER MATERIAL SHALL MEET THE FOLLOWING SPECIFICATIONS:
1. EFFECTIVE GRAIN SIZE = 0.2 TO 0.55 MM
2. UNIFORMITY COEFFICIENT = 1.5 TO 4.0
3. K VALUE = 2 FT/HR

NOTES:
1. SEE GRADING AND DRAINAGE PLANS FOR STORM DRAIN DESIGN
2. STABILIZE ALL DISTURBED AREAS WITH SOD.
3. POND UNDERDRAIN SYSTEM SHALL NOT BE INSTALLED UNTIL THE AREA DRAINING TO THE POND HAS BEEN FULLY STABILIZED.

0 10 20 40 Feet
1" = 20'



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5/19/2022

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Associated Space Design, Inc. 2021

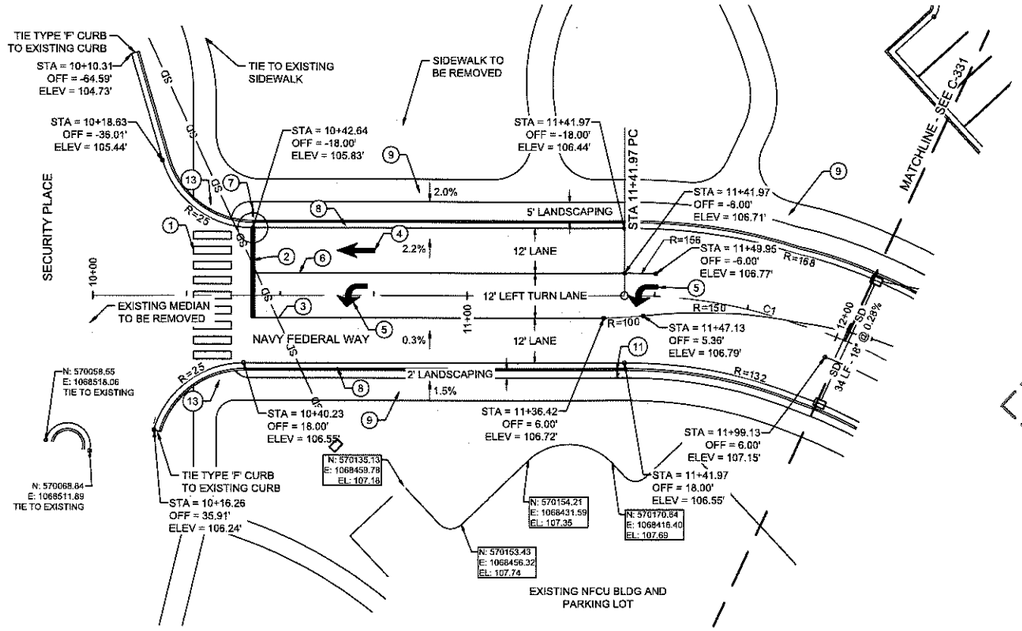
NO:	DATE:	REMARKS:
3	5/13/22	ASI 02
2	4/12/22	ASI 01 CONFORMED SET
1	2/21/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

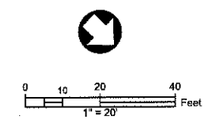
REVISIONS:

DRAWING TITLE:
POND 10 GRADING & DRAINAGE PLAN

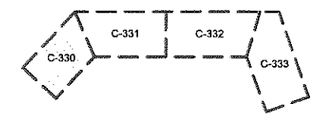
PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2021
DRAWN BY:	CHECKED BY: M. GUND

SHEET NUMBER:
C-322





NOTE:
FOR NAVY FEDERAL WAY TYPICAL ROADWAY SECTION SEE SHEET C-900.

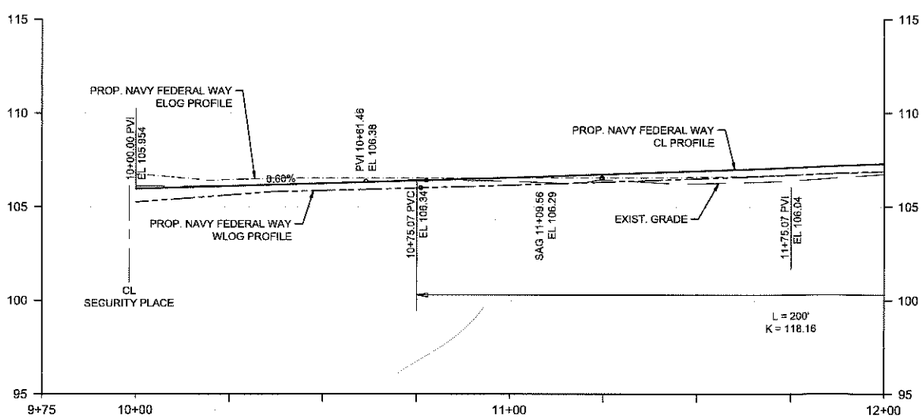


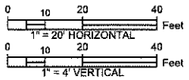
ALIGNMENT RADII POINTS							
NO	RADIUS	DELTA	LENGTH	BC COORDINATES NORTHING	BC COORDINATES EASTING	EC COORDINATES NORTHING	EC COORDINATES EASTING
C1	150	038.20	123.76	570141.66	1068382.16	570254.07	1068339.35
C2	150	038.20	184.76	570727.22	1068352.37	570863.65	1068469.24

(X) CONSTRUCTION NOTES:

1. INSTALL 10' WIDE PEDESTRIAN CROSSWALK (FDOT STD PLAN 711-001)
2. INSTALL 24" STOP BAR (FDOT STD PLAN 711-001)
3. INSTALL 6" DOUBLE SOLID YELLOW LINE (FDOT STD PLAN 711-001)
4. INSTALL THROUGH ARROW (FDOT STD PLAN 711-001)
5. INSTALL LEFT TURN ARROW (FDOT STD PLAN 711-001)
6. INSTALL 6" SOLID WHITE LINE (FDOT STD PLAN 711-001)
7. INSTALL STOP SIGN* (FDOT STD PLAN 700-010)
8. INSTALL TYPE 'F' CURB (FDOT STD PLAN 520-001)
9. INSTALL 6' CONCRETE SIDEWALK (FDOT STD PLAN 522-001)
11. INSTALL 15 mph SPEED LIMIT SIGN* (FDOT STD PLAN 700-010)
13. INSTALL CURB RAMP TYPE CR-L (FDOT STD PLAN 522-002)
15. INSTALL CONCRETE CURB RIBBON AS SHOWN ON DETAIL 'CONCRETE CURB RIBBON' ON SHEET C-901

* ALL ROADWAY SIGNAGE SHALL MEET THE REQUIREMENTS OF SECTION 700 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, JANUARY 2022 EDITION.





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PROFESSIONAL ENGINEER
5/19/2022

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Associated Space Design, Inc. 2020

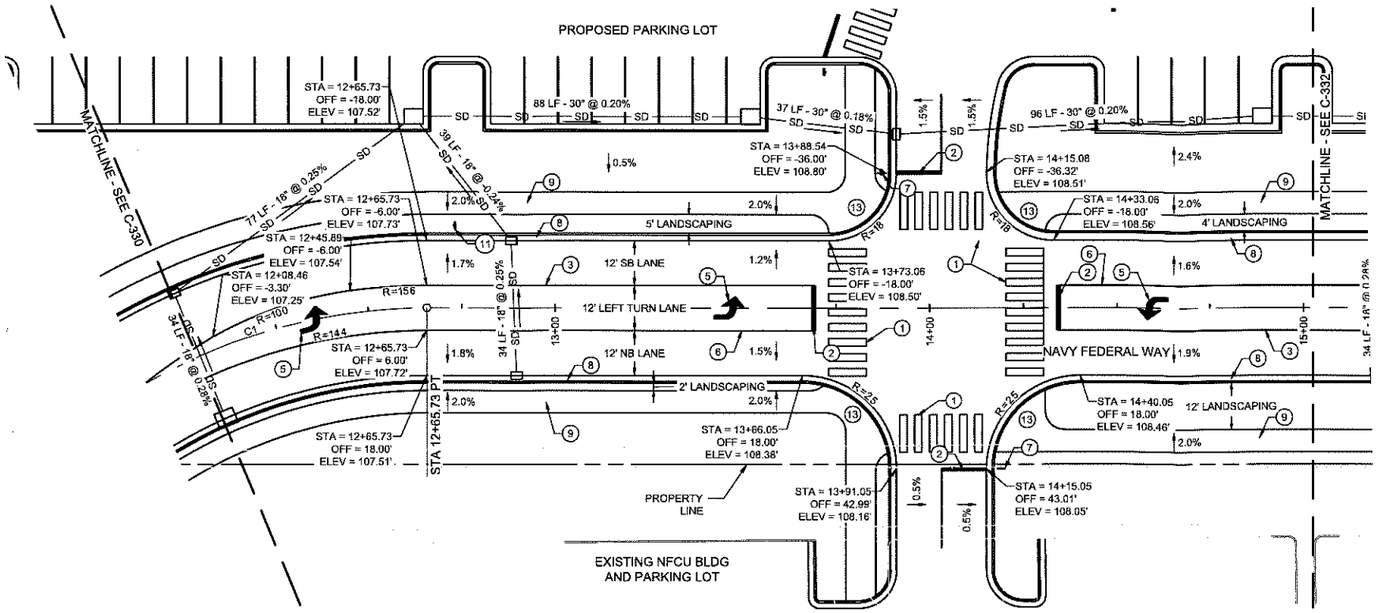
NO:	DATE:	REMARKS:
3	5/13/22	ASI 02
2	4/13/22	ASI 01 CONFORMED SET
1	2/21/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

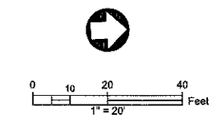
REVISIONS:

DRAWING TITLE:
NAVY FEDERAL WAY
PLAN & PROFILE

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2021
DRAWN BY: GFC	CHECKED BY: XX

SHEET NUMBER:
C-330





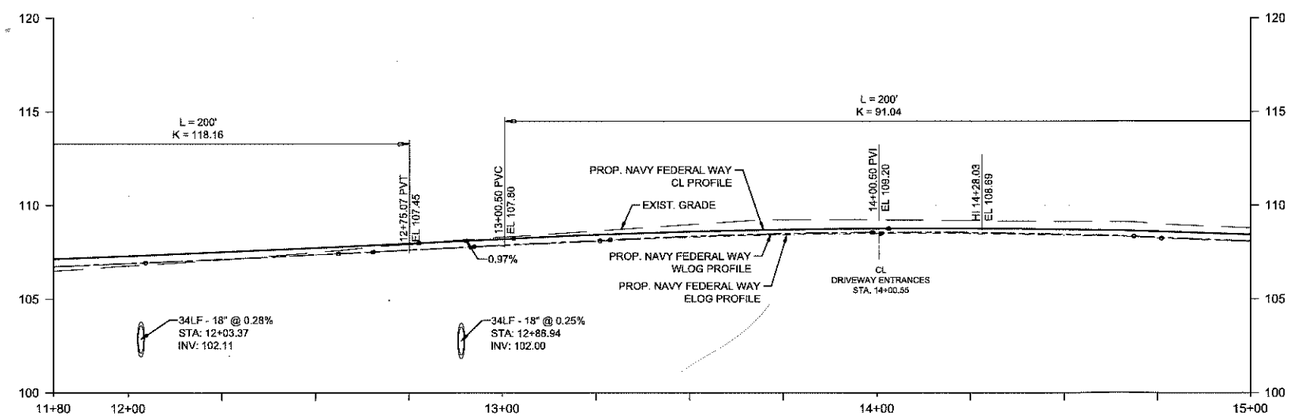
NOTE:
FOR NAVY FEDERAL WAY TYPICAL ROADWAY SECTION SEE SHEET C-900.

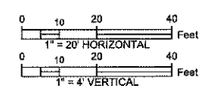
ALIGNMENT RADII POINTS							
NO	RADIUS	DELTA	LENGTH	BC COORDINATES NORTHING	BC COORDINATES EASTING	EC COORDINATES NORTHING	EC COORDINATES EASTING
C1	150	038.20	123.76	570141.66	1068382.16	570254.07	1068339.35
C2	150	038.20	184.76	570727.22	1068362.37	570863.65	1068469.24

(X) CONSTRUCTION NOTES:

1. INSTALL 10' WIDE PEDESTRIAN CROSSWALK (FDOT STD PLAN 711-001)
2. INSTALL 24" STOP BAR (FDOT STD PLAN 711-001)
3. INSTALL 6" DOUBLE SOLID YELLOW LINE (FDOT STD PLAN 711-001)
4. INSTALL THROUGH ARROW (FDOT STD PLAN 711-001)
5. INSTALL LEFT TURN ARROW (FDOT STD PLAN 711-001)
6. INSTALL 6" SOLID WHITE LINE (FDOT STD PLAN 711-001)
7. INSTALL STOP SIGN* (FDOT STD PLAN 700-010)
8. INSTALL TYPE 'F' CURB (FDOT STD PLAN 520-001)
9. INSTALL 6' CONCRETE SIDEWALK (FDOT STD PLAN 522-001)
11. INSTALL 15 mph SPEED LIMIT SIGN* (FDOT STD PLAN 00-010)
13. INSTALL CUR BRAMP TYPE CR-L (FDOT STD PLAN 522-002)

* ALL ROADWAY SIGNAGE SHALL MEET THE REQUIREMENTS OF SECTION 700 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, JANUARY 2022 EDITION.





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No. 79401
STATE OF FLORIDA
5/19/2022
PROFESSIONAL ENGINEER

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Associated Space Design, Inc. 2020

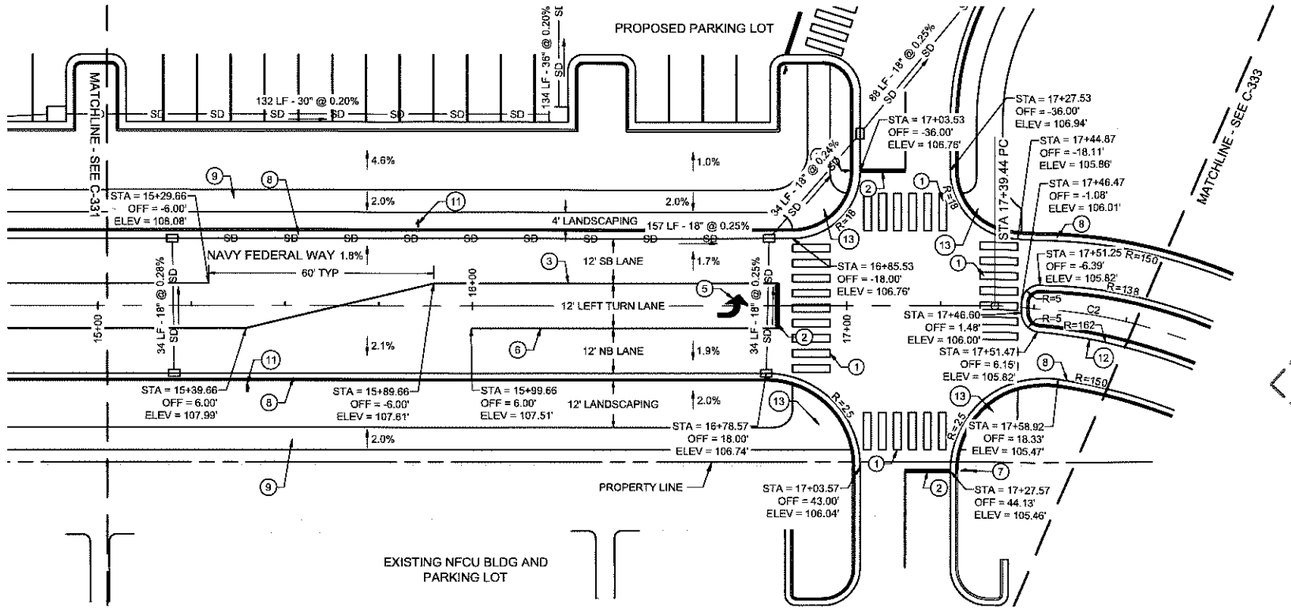
NO:	DATE:	REMARKS:
2	5/13/22	ASI 02
1	4/12/22	ASI 01 CONFORMED SET
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

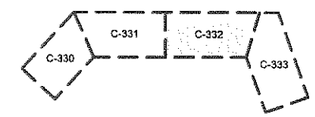
DRAWING TITLE:
NAVY FEDERAL WAY
PLAN & PROFILE

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2021
DRAWN BY: GFC	CHECKED BY: XX

SHEET NUMBER:
C-331



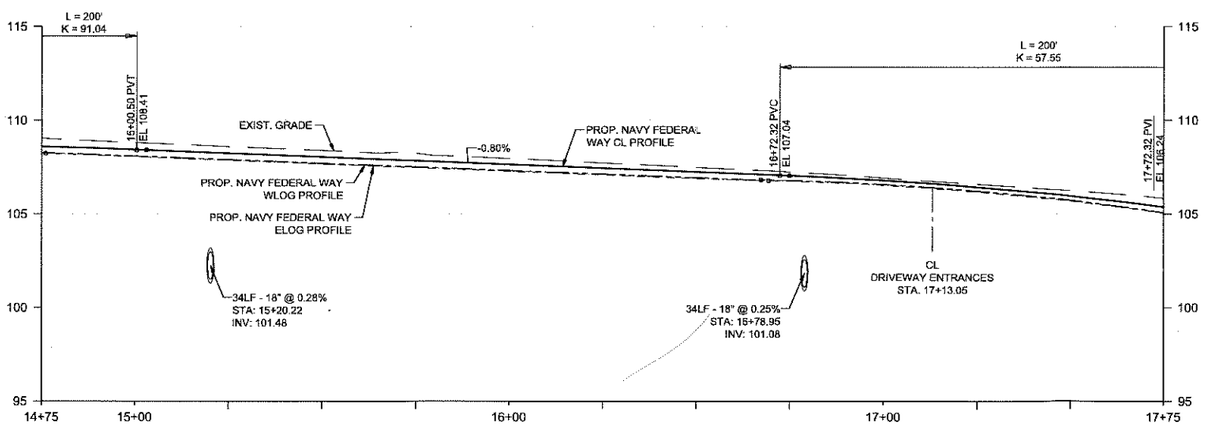
NOTE:
FOR NAVY FEDERAL WAY TYPICAL ROADWAY SECTION SEE SHEET C-300.



ALIGNMENT RADII POINTS							
NO	RADIUS	DELTA	LENGTH	BC COORDINATES NORTHING	BC COORDINATES EASTING	EC COORDINATES NORTHING	EC COORDINATES EASTING
C1	150	038.20	123.76	570141.66	1068382.16	570254.07	1068339.35
C2	150	038.20	184.76	570727.22	1068362.37	570863.65	1068469.24

CONSTRUCTION NOTES:
1. INSTALL PEDESTRIAN CROSSWALK (FDOT STD PLAN 711-001)
2. INSTALL 24" STOP BAR (FDOT STD PLAN 711-001)
3. INSTALL 6" DOUBLE SOLID YELLOW LINE (FDOT STD PLAN 711-001)
4. INSTALL THROUGH ARROW (FDOT STD PLAN 711-001)
5. INSTALL LEFT TURN ARROW (FDOT STD PLAN 711-001)
6. INSTALL 6" SOLID WHITE LINE (FDOT STD PLAN 711-001)
7. INSTALL STOP SIGN* (FDOT STD PLAN 700-010)
8. INSTALL TYPE 'F' CURBS (FDOT STD PLAN 520-001)
9. INSTALL 6' CONCRETE SIDEWALK (FDOT STD PLAN 522-001)
11. INSTALL 15 mph SPEED LIMIT SIGN* (FDOT STD PLAN 700-010)
12. INSTALL TYPE 'E' CURBS FOR MEDIAN (FDOT STD PLAN 520-001)
13. INSTALL CUR BRAMP TYPE CR-L (FDOT STD PLAN 522-002)

* ALL ROADWAY SIGNAGE SHALL MEET THE REQUIREMENTS OF SECTION 700 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, JANUARY 2022 EDITION.



0 10 20 40 Feet
1" = 20' HORIZONTAL
0 10 20 40 Feet
1" = 4' VERTICAL

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Associated Space Design, Inc. 2020

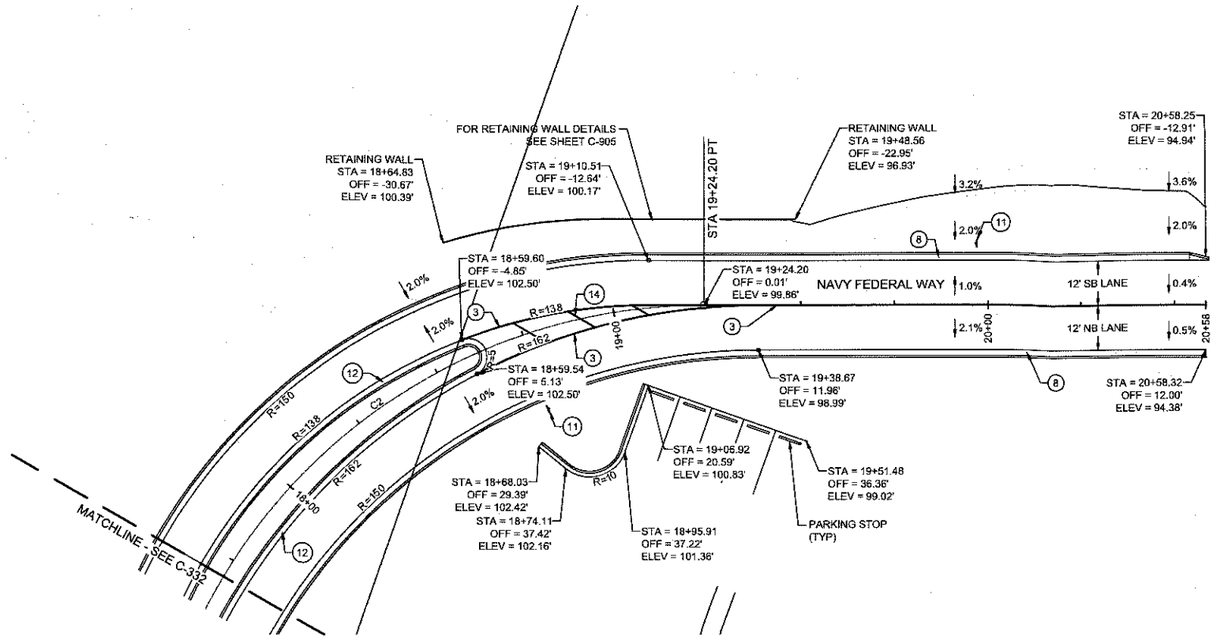
NO:	DATE:	REMARKS:
2	5/13/22	ASI 02
1	4/12/22	ASI 01 CONFORMED SET
0	1/14/22	FOR CONSTRUCTION

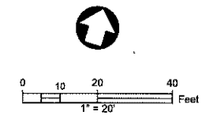
REVISIONS:

DRAWING TITLE:
NAVY FEDERAL WAY
PLAN & PROFILE

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2021
DRAWN BY: GFC	CHECKED BY: XX

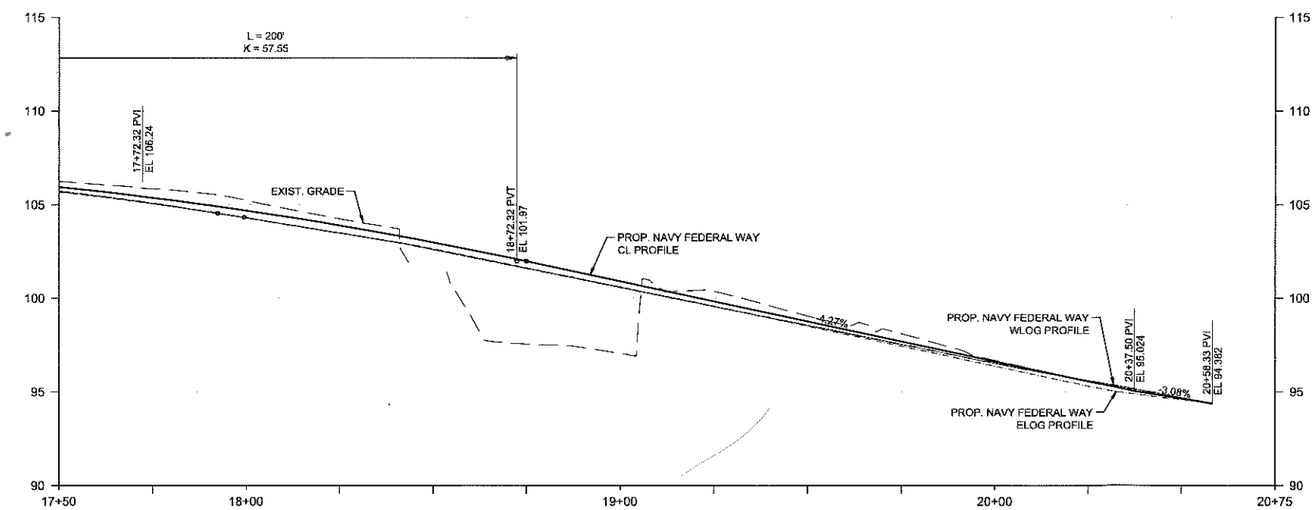
SHEET NUMBER:
C-332

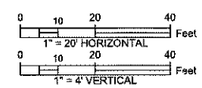




NOTE:
1. FOR NAVY FEDERAL WAY TYPICAL ROADWAY SECTION SEE SHEET C-900.
2. FOR RETAINING WALL ALONG NAVY FEDERAL WAY DETAILS SEE SHEET C-905.

ALIGNMENT RADII POINTS							
NO	RADIUS	DELTA	LENGTH	BC COORDINATES		EC COORDINATES	
				NORTHING	EASTING	NORTHING	EASTING
C1	150	038.20	123.76	570141.66	1068382.16	570254.07	1068339.35
C2	150	038.20	184.76	570727.22	1068362.37	570863.65	1068469.24





CONSTRUCTION NOTES:
3. INSTALL 6" DOUBLE SOLID YELLOW LINE (FDOT STD PLAN 711-001)
8. INSTALL TYPE 'F' CURBS (FDOT STD PLAN 520-001)
11. INSTALL 15 mph SPEED LIMIT SIGN (FDOT STD PLAN 700-010)
12. INSTALL TYPE 'E' CURBS (FDOT STD PLAN 520-001)
14. INSTALL 18" YELLOW MARKINGS FOR TRAFFIC SEPARATION (FDOT STD PLAN 711-001)

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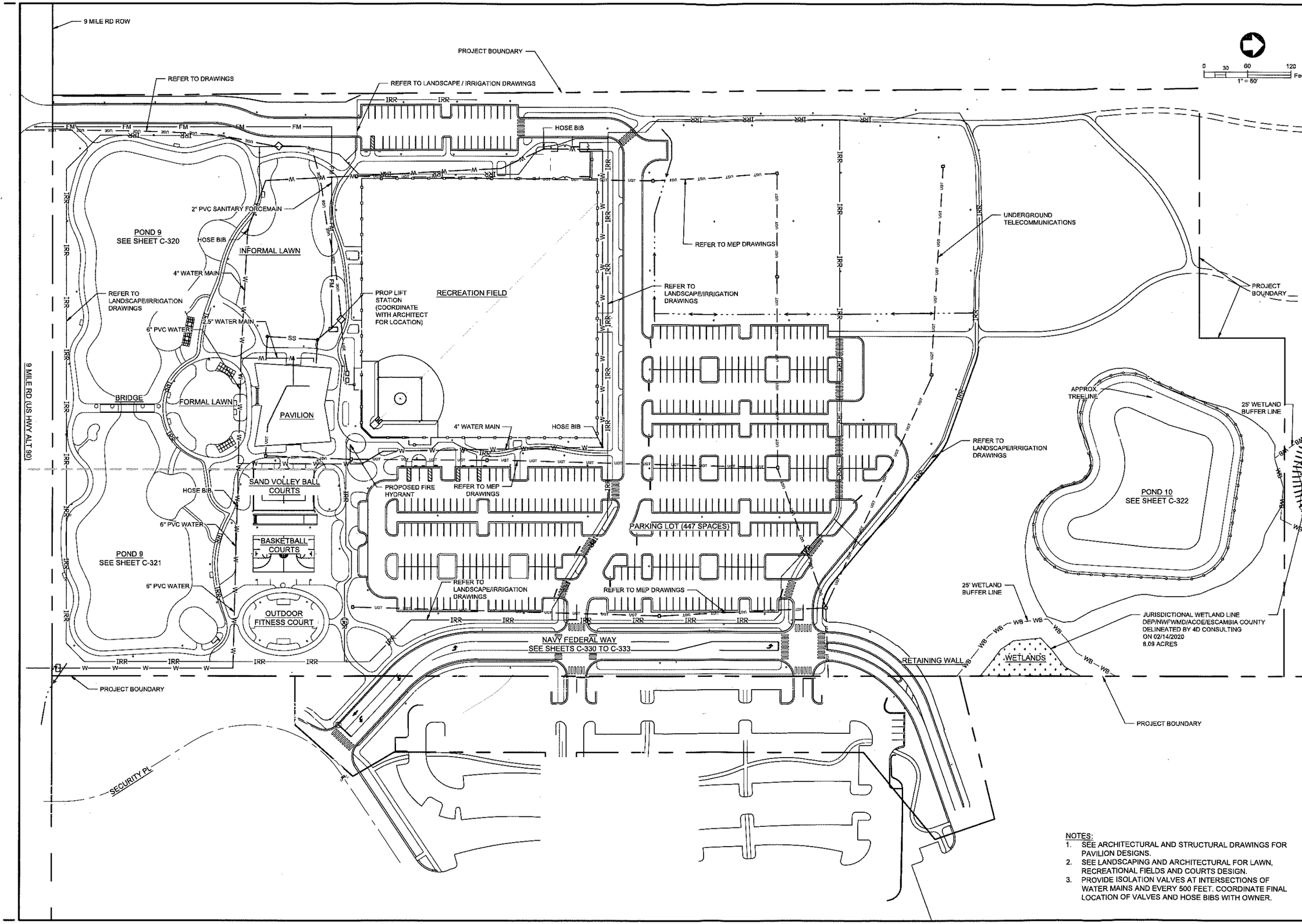
NO:	DATE:	REMARKS:
3	5/13/22	ASI 03
2	4/12/22	ASI 01 CONFORMED SET
1	2/21/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE: C-333_NFW-PP - C-333

PROJECT NO:	ISSUE DATE:
D3232200	1.14.2022
DRAWN BY: GFC	CHECKED BY: XX

SHEET NUMBER: C-333



NOTES:

1. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR PAVILION DESIGNS.
2. SEE LANDSCAPING AND ARCHITECTURAL FOR LAWN, RECREATIONAL FIELDS AND COURTS DESIGN.
3. PROVIDE ISOLATION VALVES AT INTERSECTIONS OF WATER MAINS AND EVERY 500 FEET. COORDINATE FINAL LOCATION OF VALVES AND HOSE BIBS WITH OWNER.

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Associated Space Design, Inc. 2021

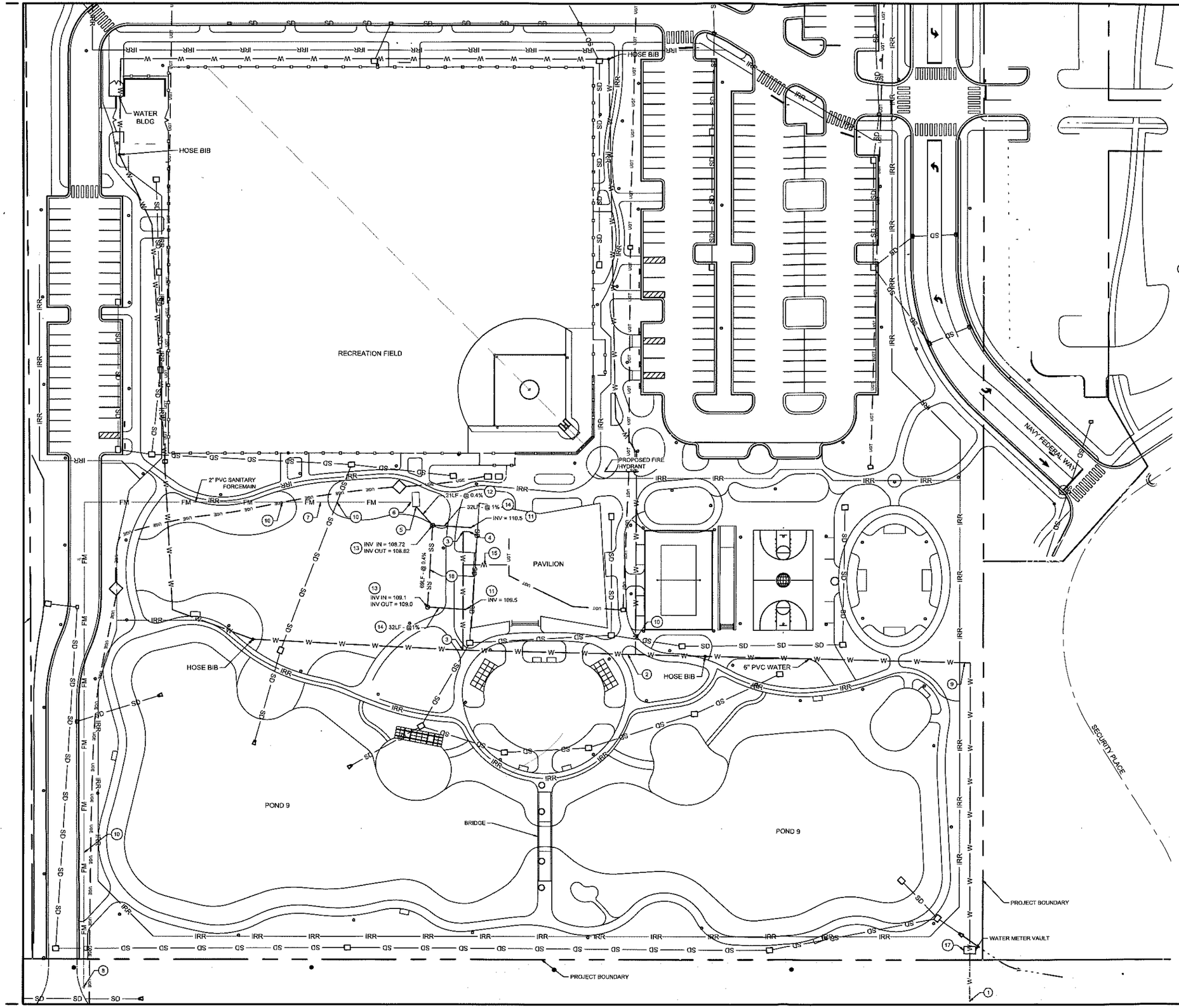
NO:	DATE:	REMARKS:
2	5/13/22	ASI 02
1	4/12/22	ASI 01 CONFORMED SET
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
UTILITY PLAN
OVERALL

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2021
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-350



GENERAL NOTES:

1. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION AND ELEVATION OF EXISTING UTILITY PRIOR TO CONNECTION.
2. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR PAVILION DESIGN.
3. SEE LANDSCAPING AND ARCHITECTURAL FOR LAWN, RECREATIONAL FIELDS, AND COURTS DESIGN.
4. SEE GRADING AND DRAINAGE PLANS FOR STORM DRAIN DESIGN.

(X) CONSTRUCTION NOTES:

1. CONNECT TO EXISTING WATER LINE PER DETAIL 'TYPICAL TAPPING SLEEVE AND VALVE' SHOWN ON SHEET C-901.
2. INSTALL 6" PVC WATER LINE.
3. INSTALL 90° BEND WITH THRUST BLOCK PER DETAIL 3123-110 SHOWN ON SHEET C-903.
4. 4" STUBOUT CONNECTING TO PAVILION PER ARCHITECTURAL DWG NO. P.4001.
5. INSTALL PUMP STATION PER DETAIL SHOWN ON C-902A.
6. 2" PVC SEWER FORCE MAIN CONNECTING TO LIFT STATION PER DETAIL 'PIPE CONNECTION DETAIL FROM EXISTING PIPE' SHOWN ON SHEET C-903.
7. INSTALL 2" PVC SEWER FORCE MAIN.
8. CONSTRUCT NEW SEWER MANHOLE PER DETAIL 'STANDARD SEWER MANHOLE' SHOWN ON SHEET C-901.
9. SEE 'WATERLINE CROSSING UNDER UTILITY CONDUITS' DETAIL SHOWN ON SHEET C-902.
10. SEE 'CONFLICT DETAIL' SHOWN ON SHEET C-901.
11. CONSTRUCT CLEANOUT. COORDINATE WITH MEP SEE SHEET P.401.
12. CONSTRUCT 6 INCH SEWER MAIN .
13. CONSTRUCT SANITARY SEWER MANHOLE.
14. CONSTRUCT 4 INCH SEWER LATERAL .
15. CONSTRUCT 2.5 INCH WATER SERVICE. COORDINATE WITH MEP SEE SHEET P.401
16. CONSTRUCT 4 INCH SEWER MAIN.
17. WATER METER SHALL BE COMBINATION OF FIRE FLOW AND POTABLE WATER METER. SEE 6", 8", AND 10" METER VAULT DETAIL ON SHEET C-902A.

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PROFESSIONAL ENGINEER
5/13/2022

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WATER AND SEWER UTILITY PLAN

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2021
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C-351

GENERAL NOTES

A. Design Specifications
1. FDOT Structures Manual dated January 2021.
2. American Association of State Highway and Transportation Officials (AASHTO) Load and Resistance Factor (LRFD) Bridge Design Specifications, [9th] Edition.
3. American Association of State Highway and Transportation Officials (AASHTO) LRFD Guide Specifications for the Design of Pedestrian Bridges, [2nd] Edition.

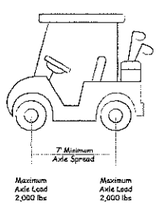
B. Governing Standards and Construction Specifications
Florida Department of Transportation, [January] 2020 Standard Specifications for Road and Bridge Construction, as amended by Contract Documents.

C. Vertical Datum
North American Vertical Datum of 1988.

D. Environmental classification
1. Superstructure - Extremely aggressive
2. Substructure - Extremely aggressive, structure over water

E. Design Methodology
1. Load and Resistance Factor Design (LRFD) method using strength, service and fatigue limit states.

F. Design Loadings
1. Live Loads: 2-ton vehicle load and 90 psf crowd loading



2. Dead Loads:
   Handrail 100 plf
   Reinforced Concrete 150 pcf
   Wood self weight 60 pcf
   Weight of fill 125 pcf
3. Wind Loads:
   Design wind speed, 3-second gust wind speed: 170 MPH
   Construction Inactive Design Wind Speed: 90 MPH
   Velocity Pressure Exposure Coefficient (k_z): 1.00
   Construction Active Design Wind Speed: 30 MPH

G. All elements indicated as deferred submittals shall be designed according to the applicable IBC code requirements or AASHTO code requirements, whichever is more stringent.

H. Foundations
1. Refer to geotechnical data report #19-179 by Larry M. Jacobs & Associats dated May 13, 2020.
2. Excavations shall be shored to prevent subsidence and damage to adjacent existing structures, roads, utilities, etc. and as directed by the geotechnical data report
3. Foundation excavation and subgrade preparation shall be completed as recommended in the Geotechnical data report, including but not limited to the following requirements: excavate for the removal of unsuitable materials to the elevations and extents as indicated in the report. Excavate a minimum of 12 inches below bearing elevation. All remaining native soils shall be observed and verified by the geotechnical engineer of record, see note 4. Backfill overexcavation with engineered fill (or other material as approved by the geotechnical engineer of record) as directed in the geotechnical data report.
4. Foundation bearing surfaces shall be observed by the geotechnical engineer prior to placement of formwork or reinforcing steel. The observation shall verify if the actual exposed subgrade is as anticipated by the site specific borings and data reports.
5. No backfill shall be placed behind walls until the wall's concrete has attained 100 percent of the stated design strength and top supporting slab's concrete where present has been placed and has attained attained 80 percent of their specified 28 day compressive strength.
6. No backfill shall be placed behind cantilevered, free top walls until the concrete has attained 100 percent of its specified 28 day compressive strength.
7. Dewatering during construction is the responsibility of the contractor.

I. Formwork, shoring and bracing:
1. Structures shown on the drawings have been designed for stability under final conditions only. Design shown does not include necessary components or equipment for stability of the structures during construction. Contractor is responsible for work relating to construction erection methods, bracing, shoring, rigging, guys, scaffolding, formwork, and other work aids required to safely perform the work shown.
2. Temporary shoring shall remain in place until elevated concrete floor or slabs have reached 80 percent of the 28 day compressive strength as determined by field cylinder breaks.
3. "Bury"bars or "carrier"bars are not allowed for the bottom mats of reinforcing in all elevated slabs and are not allowed for the top mats of reinforcing in elevated slabs less than 12 inches thick.

J. Concrete reinforcing
1. Reinforcing steel:
   typical: ASTM A615, grade 60
   welded: ASTM A706, grade 60 (welding is only permitted with written permission from the engineer)
2. Fabrication and placement of reinforcing steel shall be in accordance with CRSI MSP-1 "manual of standard practice"and ACI 301 "specifications for structural concrete".
3. For reinforced concrete frame members and designated boundary elements of concrete shear wall structures, reinforcing steel shall meet the following requirements:
a. Actual yield strength based on mill tests shall not exceed specified yield strength by more than 18,000 psi. (retests shall not exceed this value by more than an additional 3000 psi.)
b. Ratio of the actual ultimate tensile stress to actual tensile yield strength shall not be less than 1.25.
4. Minimum reinforcing for concrete walls and slabs shall be as follows:

thickness	reinf each way	location
6"	#4@12"	centered
8"	#5@12"	centered
10"	#4@12"	each face
12"	#5@12"	each face

provide larger sizes and more reinforcing in sections of concrete where required by the details on the drawings or by the specifications.
5. Concrete cover for reinforcing, unless shown otherwise, shall be:
   when cast against earth: 3"
   exposed to ozone or ozonated water: 3"
   interior, dry, humidity controlled areas:
      walls, slabs and joists 3/4"
      beam stirrups and column ties 1 1/2"
   concrete exposed to earth, liquid, washdown, or weather:
      walls and slabs 2"
      beam stirrups and column ties 2"
      beam and column primary reinforcing 2 1/2"
6. Refer to wall corner and wall intersection reinforcing detail 0330-003. Wall corner reinforcing sizes and spacings shall be as shown on the drawings and referenced to this detail. Typical horizontal wall reinforcing shall lap with the corner horizontal reinforcing.
7. 90 degree bends, unless otherwise shown, shall be ACI 318 standard hooks.
8. Wall corner and wall intersection reinforcement bars shall be continuous around corners and through columns or pilasters. Reinforcement shall be extended into connecting walls and lapped on the opposite face of the connecting walls, as indicated in detail 0330-003.
9. Wall footing corner and intersection reinforcement bars shall be extended into connecting footings and lapped on the opposite face of the connecting footing. Outside face wall footing reinforcement shall be lapped with corner bars. All wall footing reinforcement shall be continuous through columns or pilasters footings.
10. Lap vertical wall bars with dowels from base slabs and extend into top face of roof slabs and lap with top slab reinforcement. Provide a minimum of four full height vertical bars with matching dowels at wall ends, corners and intersections with size to match typical vertical reinforcing steel shown or required by notes above.
11. Locate elevated slab and beam top bar splices at midspan and bottom bar splices at supports.
12. Reinforcing steel for footings and slabs on grade shall be adequately supported on bar supports with spacers to keep reinforcing above the prepared grade. Lifting reinforcing off grade during concrete placement is not permitted.
13. Refer to opening reinforcing details 0330-001 and 0330-002.

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14. Reinforcement bends and laps, unless otherwise noted, shall satisfy the following minimum requirements:

CONCRETE DESIGN STRENGTH = 4,000 PSI MIN AT 28 DAYS[3] GRADE 60 REINFORCING STEEL										
BAR SIZE		#3	#4	#5	#6	#7	#8	#9	#10	#11
LAP SPLICE LENGTH										
SPACING = 3"	TOP BAR [2]	1'-4"	1'-8"	2'-1"	3'-0"	5'-2"	6'-8"	8'-6"	10'-10"	13'-4"
	OTHER BAR	1'-4"	1'-4"	1'-8"	2'-4"	4'-0"	5'-2"	6'-7"	8'-4"	10'-3"
SPACING = 4"	TOP BAR [2]	1'-4"	1'-8"	2'-0"	2'-5"	3'-10"	5'-0"	6'-5"	8'-1"	10'-0"
	OTHER BAR	1'-4"	1'-4"	1'-7"	1'-10"	3'-0"	3'-11"	4'-11"	6'-3"	7'-8"
SPACING ≥ 6"	TOP BAR [2]	1'-4"	1'-8"	2'-0"	2'-5"	3'-5"	4'-0"	5'-0"	6'-2"	7'-5"
	OTHER BAR	1'-4"	1'-4"	1'-7"	1'-10"	2'-9"	3'-1"	3'-10"	4'-9"	5'-8"
EMBEDMENT LENGTH										
SPACING = 3"	TOP BAR [2]	1'-0"	1'-3"	1'-8"	2'-4"	4'-0"	5'-2"	6'-7"	8'-4"	10'-3"
	OTHER BAR	1'-0"	1'-0"	1'-3"	1'-10"	3'-1"	4'-0"	5'-1"	6'-5"	7'-11"
SPACING = 4"	TOP BAR [2]	1'-0"	1'-3"	1'-7"	1'-10"	3'-0"	3'-11"	4'-11"	6'-3"	7'-8"
	OTHER BAR	1'-0"	1'-0"	1'-3"	1'-5"	2'-4"	3'-0"	3'-10"	4'-10"	5'-11"
SPACING ≥ 6"	TOP BAR [2]	1'-0"	1'-3"	1'-7"	1'-10"	2'-9"	3'-1"	3'-10"	4'-9"	5'-8"
	OTHER BAR	1'-0"	1'-0"	1'-3"	1'-5"	2'-1"	2'-5"	3'-0"	3'-8"	4'-5"

1. Lap lengths are based on minimum concrete cover of 2". longer lengths are required for concrete cover less than 2".
2.Top bars shall be defined as any horizontal bars placed such that more than 12 inches of concrete is cast in the member below the bar in any single pour. Horizontal wall bars are considered top bars.
3. Where 3000 psi concrete is used, increase above lengths by 16 percent. Where 3500 psi concrete is used, increase above lengths by 7 percent.

K. Cast in place concrete

1. 28-day compressive strengths (to meet structural strength and durability requirements of ACI 318 and ACI 350):

Bridge abutment:	5000 psi
Typical (unless noted otherwise):	4000 psi
Concrete fill:	3500 psi

2. Design strengths are same as 28-day compressive strengths.
3. Continuous waterstop as specified shall be installed in construction joints of hydraulic structures, channels, and below grade structures, except where specifically noted otherwise.
4. Construction joints indicated are suggested locations. Contractor may revise location of joints, subject to specified requirements. Layout showing all construction joint locations shall be submitted for review by engineer.
5. Roughen and clean construction joints in walls and slabs as specified prior to placing adjacent concrete.
6. Coordinate placement of openings, pipe penetrations, curbs, dowels, sleeves, conduits, bolts and inserts prior to placement of concrete.
7. No aluminum conduit or products containing aluminum or any other material injurious to the concrete shall be embedded in the concrete.
8. Do not place conduit parallel to beam or column reinforcement unless specifically indicated in drawings.
9. Patch form tie holes in accordance with details 0310-051 and/or 0310-052.

L. Plan Dimensions

All dimensions in these plans are measured in feet either horizontally or vertically unless otherwise noted.

M. Utilities

For plan locations of existing utilities, see Plan and Elevation sheet(s). Locations of utilities shown in the plans are approximate.

N. Joints In Concrete

Construction joints will be permitted only at the locations indicated in the plans. Additional construction joints or alterations to those shown shall require approval of the Engineer.

O. Construction notes

1. The contractor shall verify all existing conditions and dimensions prior to commencing any work. Any variations in actual field conditions/dimensions from those shown on the contract drawings shall be reported to the engineer for determining the need for redesign prior to contractor's submittal of shop or working drawings for approval.
2. Any area destroyed by the contractor should shall be completely restored to the original or better condition.
3. The contractor shall comply with all applicable local and state safety and sanitary laws, regulations and ordinances. Provide and place all safety devices required, particularly around areas of trenching.
4. The contractor shall review these documents carefully and visit the site in order to familiarize with all site conditions. Include in the bid price all work, including incidental work necessary to complete the contract.
5. The contractor shall obtain all permits, certificates, inspections and licenses as required from all government agencies and departments at no increase to bid price or final contract cost.
6. Upon completion of the work, the contractor shall remove from the site all machinery, equipment, surplus and discarded material, rubbish, temporary structures, etc. Repair or replace in an acceptable manner private or public property which may have been damaged or destroyed due to construction operations. Contractor shall leave the site in a clean and orderly condition.

P. Temporary works

The contractor must design and provide temporary works required for the construction of the structure. The design shall be done in accordance with AASHTO Guide Design Specifications for Bridge Temporary Work, 2017 with 2020 interim revisions

Q. Safety

All construction shall conform to OSHA specifications. The contractor and subcontractors are responsible for the construction process and the safety of the workers and the public at all times during the construction period.

R. Environment

In the event contamination is detected during construction, the Florida Department of Environmental Protection shall be notified within 24 hours of detection.

S. Deferred submittals

1. Deferred submittals are those portions of the design which are not submitted at the time of permit application and which are to be submitted to the permitting agency for acceptance prior to installation of that portion of the work or are required to be submitted for review only by the engineer.
2. Where deferred submittals include additional materials, installation, anchorage, or certification of components that require special inspection and/or structural observation to meet code requirements, the deferred submittal shall include specific line items to be added to the appropriate tables in the project's statement of special inspections plan if they are not already identified.
3. The following is a list of deferred submittals per IBC section 107.3.4.1 of 2012 IBC that are expected to contain structural calculations or safety related system information for review to meet building permitting requirements for designed systems. Prior to installation of the indicated structural element, equipment, distribution system, or component or its anchorage, the contractor shall submit the required calculations and supporting data and drawings for review and acceptance by the engineer. Additionally, acceptance indicated on the engineer's comment form, along with the completed, final submittal shall then be submitted by the contractor to the permitting agency and approved prior to installation of these items.

Specification section	Code required deferred submittals for review by permitting agency
32 34 13	Prefabricated bridge
XX XX XX	MSE walls
Other	Any equipment or component in which a technical specification requires submittal of equipment or anchorage system calculations including but not limited to guardrails

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STATEMENT OF SPECIAL INSPECTIONS

General notes

1. The statement of special inspections provide project compliance with the provisions of the 2021 International Building Code (IBC) chapter 17, as amended by state of Florida, for special inspection, structural observation, and testing for wind and seismic resistance as applicable. Except where otherwise noted, this inspection is owner furnished.

2. Standard special inspection requirements for nonstructural components are contained in table 1.

3. Standard special inspection requirements for structural components, regardless of wind or seismic design categories are contained in table 2. Standard testing requirements for structural components are contained in table 3.

4. Project specific requirements for structures subject to basic wind speeds (VASD) in excess of 100 MPH are contained in table 4.

5. For additional requirements, refer to specifications section 01 45 33, special inspection, observation and testing. These include:

A. Contractors requirements to provide access to the work for required inspections and to provide notice of required inspections and structural observations.

B. Contractors's statement of responsibility for work to be performed on systems designate under the statement of special inspections for wind or seismic resistance.

C. Definitions and terminology used in this statement of special inspections.

SPECIAL INSPECTION

1. Special inspection will be in accordance with IBC sections 1704 and 1705. Refer to the following tables for project specific inspection types and frequencies.

2. Special inspections will be provided by a certified or qualified inspector and associated testing will be performed by an approved accredited independent agency. The owner will secure and pay for the services of the agency to perform all special inspection and associated tests. Inspectors for each system and material will be International Code Council (ICC) certified or otherwise approved by the building official.

3. The special inspector will observe the indicated work for compliance with the approved contract documents and submit records of inspection. All discrepancies will be brought to the immediate attention of the contractor for correction.

4. Special inspection and associated testing reports will be submitted to the engineer, contractor, building official, and owner within one week of inspection or within one week of test completion. Inspections for which reporting will be required are noted in the following tables.

5. At the conclusion of construction, a special inspection report and a final report in accordance with IBC section 1704.2.4 shall be submitted to the building official prior to the time that phase of the work is approved for occupancy.

GEOTECHNICAL OBSERVATION

1. All foundation bearing surfaces shall be inspected by geotechnical engineer prior to placement of reinforcing steel. Additional special inspection requirements are listed in table 1.

2. Geotechnical testing requirements are listed in table 3.

SPECIAL INSPECTIONS FOR WIND RESISTANCE

1. Special inspections requirements for wind resistance will be in accordance with IBC section 1705.10 together with local and state amendments.

2. Special inspections requirements shall apply to the following:
A. wind force-resisting systems in structures in wind exposure category B, where the 3-second gust basic wind speed (Vasd) is 120 miles per hour or greater.

B. Wind force-resisting systems in structures in wind exposure categories C or D, where the 3-second-gust basic wind speed (Vasd) is 110 miles per hour or greater.

Refer to general structural notes for basic wind speed and wind exposure category.

3. Wind force-resisting systems to receive special inspection for wind resistance shall include the components listed in table 4.

STRUCTURAL OBSERVATION:

1. Structural observation will be in accordance with IBC section 1710 together with local and state amendments.

2. Onsite structural observation will be performed for each identified wind force-resisting system, including foundations and connections.

3. Structural observation will be performed by a registered project design professional for general conformance to the approved construction documents. Structural observation does not include or waive the responsibility for any required special inspections or inspections by the building official.

4. Structural observation reports, noting any deficiencies in observed construction, will be delivered to the contractor, building official, and owner following each observation. The contractor will be notified onsite or by phone or e-mail within 24 hours upon finding deficiencies.

5. At the conclusion of construction, a written statement will be provided to verify that the structural observation site visits were made and whether there remain any structural deficiencies that have not been resolved.

6. Structural observation will include visual observation of the structural system at significant construction stages and at completion of the structural system for each structure contained in the work. the contractor shall schedule and facilitate structural observation, including the elements described in the structural observation tables (attached).

STRUCTURAL OBSERVATION TABLE

	SYSTEM FOR FOOTBRIDGE	STAGE	ITEMS	COMMENTS
1.	FOUNDATION SLAB OF STRUCTURE	PRIOR TO FIRST CONCRETE PLACEMENT WHEN ITEMS CAN STILL BE REVISED	REINFORCING STEEL, FORMWORK, AND SIMILAR ITEMS	NOTE 1
2	CONCRETE STEM OF STRUCTURE	PRIOR TO FIRST CONCRETE PLACEMENT WHEN ITEMS CAN STILL BE REVISED	REINFORCING STEEL, FORMWORK, AND SIMILAR ITEMS	NOTE 1
3	STEM TO FOUNDATION CONNECTIONS PRIOR TO FORM CLOSURE	PRIOR TO FIRST CONCRETE PLACEMENT OF FIRST SECTION WHEN ITEMS CAN STILL BE REVISED		NOTE 1
4	SYSTEM CONNECTION EMBEDS	PRIOR TO GROUT OR CONCRETE PLACEMENT	BEARING AND EXPANSION JOINT ANCHORS, ETC.	NOTE 1
5	AT ADDITIONAL TIMES DURING CONSTRUCTION AT WHICH THE ENGINEER OF RECORD OR OWNER DEEM THE NEED FOR ADDITIONAL STRUCTURAL OBSERVATION			NOTE 1
6	AT SUBSTANTIAL COMPLETION OF PRIMARY STRUCTURAL SYSTEM FOR DETERMINATION OF FINAL CONDITION OF STRUCTURE			NOTE 1

NOTES:
1. STRUCTURAL OBSERVER TO DISCUSS ITEMS AND SITE SPECIFIC CONDITIONS WITH SPECIAL INSPECTOR AND FIELD INSPECTION STAFF DURING OBSERVATION.

TABLE 1
REQUIRED NON-STRUCTURAL SPECIAL INSPECTION
REFER TO SPECIFICATION SECTION 01 45 33

SYSTEM OR MATERIAL	2021 IBC CODE REFERENCE	REFERENCED STANDARD	PERIODIC OWNER FURNISHED SPECIAL INSPECTION (SEE NOTE 1)	CONTINUOUS OWNER FURNISHED SPECIAL INSPECTION	COMMENTS	TESTING FOR SPECIAL INSPECTION
GEOTECHNICAL						
1. SOILS:						
A. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	1705.6, 1803.5.8, 1804.6	SECTION 31 23 13, SUBGRADE PREPARATION	X		PROFESSIONAL OBSERVATION BY GEOTECHNICAL ENGINEER	
B. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	1705.6	SECTION 31 23 16, EXCAVATION	X		PROFESSIONAL OBSERVATION BY GEOTECHNICAL ENGINEER	
C. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	1705.6	SECTION 31 23 23, FILL AND BACKFILL	X			SEE TABLE 3 FOR GRADATION TEST REQUIREMENTS
D.VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	1705.6, 1803.5.8	SECTION 31 23 23, FILL AND BACKFILL		X		SEE TABLE 3 FOR DENSITY TEST REQUIREMENTS
E. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	1705.6	SECTION 31 23 13, SUBGRADE PREPARATION	X		PROFESSIONAL OBSERVATION BY GEOTECHNICAL ENGINEER	SEE TABLE 3 FOR DENSITY TEST REQUIREMENTS
GENERAL						
1. CONSTRUCTION MATERIALS AND SYSTEMS THAT ARE ALTERNATIVES TO MATERIALS AND SYSTEMS PRESCRIBED BY CODE	1705.1.1 ITEM 1		X			
2. UNUSUAL DESIGN APPLICATION OF CODE MATERIALS	1705.1.1 ITEM 2			X		
3. INSTALLATION OF MATERIALS THAT REQUIRE ADDITIONAL MANUFACTURER'S INSTRUCTIONS BEYOND CODE REQUIREMENTS	1703.4.2, 1705.1.1 ITEM 3	ICC-ES EVALUATION REPORTS		X		
STRUCTURAL						
SEE TABLE 2.						

NOTES:
1. PERIODIC INSPECTION IS DEFINED AS INSPECTION BY THE SPECIAL INSPECTOR OF ALL MATERIALS AND SYSTEMS, IN SOME CASES PERFORMED DURING THEIR PLACEMENT AND IN ALL CASES PERFORMED UPON COMPLETION OF THEIR PLACEMENT. THE COMPLETION INSPECTION SHALL BE PERFORMED SO THAT WORK CAN BE CORRECTED PRIOR TO OTHER RELATED WORK PROCEEDING AND COVERING INSPECTED WORK.

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TABLE 2
REQUIRED STRUCTURAL SPECIAL INSPECTION
REFER TO SPECIFICATION SECTION 01 45 33

SYSTEM	2021 IBC CODE REFERENCE	REFERENCED STANDARD	PERIODIC OWNER FURNISHED SPECIAL INSPECTION (SEE NOTE 1)	CONTINUOUS OWNER FURNISHED SPECIAL INSPECTION	COMMENTS	TESTING FOR SPECIAL INSPECTION
CONCRETE						
1. INSPECTION OF ANCHORS CAST IN CONCRETE	1705.3	ACI 318: 17.8.2	X			
2. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS		ACI 318: 26.7				
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED OREIENTATIONS TO RESIST SUSTAINED TENSION LOADS	1705.3	ACI 318: 17.8.2.4, ICC-ES EVALUATION REPORTS		X		
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4A.	1705.3	ACI 318: 17.8.2, ICC-ES EVALUATION REPORTS	X			
3. VERIFY USE OF REQUIRED DESIGN MIX	1705.3, 1904.1, 1904.2	ACI 318: Ch. 19, 26.4.3, 26.4.4	X			
4. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	1705.3	ASTM C 172, ASTM C 31, ACI 318: 26.12		X		SEE TABLE 3 FOR CONCRETE TEST REQUIREMENTS
5. INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	1705.3	ACI 318: 26.5.1.1, 26.5.2.1		X		
6. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	1705.3	ACI 318: 26.5.3.2, 26.5.4.2, 26.5.5.2	X			
7. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	1705.3	ACI 318: 26.11.1.2	X			
8. VERIFY PROPER INSTALLATION OF MECHANICAL REINFORCING SPLICES AND CONNECTIONS	1705.1.1 ITEM 3, 1705.3	ICC-ES EVALUATION REPORTS	X			
TIMBER						
1. INSPECT ERECTION OF MASS TIMBER CONSTRUCTION	1705.5		X			
2. INSPECTION OF CONNECTIONS WHERE INSTALLATION METHODS ARE REQUIRED TO MEET DESIGN LOADS						
A. THREADED FASTENERS						
VERIFY USE OF PROPER INSTALLATION EQUIPMENMT	1705.5		X			
VERIFY USE OF PRE-DRILLED HOLES WHERE REQUIRED	1705.5		X			
INSPECT SCREWS, INCLUDING DIAMETER, LENGTH, HEAD TYPE, SPACING, INSTALLATION ANGLE AND DEPTH	1705.5	ASTM D1761-20, ASTM A307-21, ASTM A1554-20, ASTM A1470-19, ASTM D5652-21	X			
B. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED OREIENTATIONS TO RESIST SUSTAINED TENSION LOADS	1705.5	ASTM D2559-12a		X		
C. ADHESIVE ANCHORS NOT DEFINED IN PRECEEDING CELL	1705.5	ASTM D905-08, ASTM D2559-12a	X			
D. BOLTED CONNECTIONS	1705.5	ASTM D1761-20, ASTM A307-21, ASTM A1554-20, ASTM A1470-19, ASTM D5652-21	X			
E. CONCEALED CONNECTIONS	1705.5	ASTM D1761-20, ASTM F1667-21	X			

NOTES:
1. PERIODIC INSPECTION IS DEFINED AS INSPECTION BY THE SPECIAL INSPECTOR OF ALL MATERIALS AND SYSTEMS, IN SOME CASES PERFORMED DURING THEIR PLACEMENT AND IN ALL CASES PERFORMED UPON COMPLETION OF THEIR PLACEMENT. THE COMPLETION INSPECTION SHALL BE PERFORMED SO THAT WORK CAN BE CORRECTED PRIOR TO OTHER RELATED WORK PROCEEDING AND COVERING INSPECTED WORK.

TABLE 3
TESTING FOR REQUIRED SPECIAL INSPECTION
REFER TO SPECIFICATION SECTION 01 45 33

MATERIAL	TYPE OR SCOPE	STANDARD	2021 IBC CODE REFERENCE	FREQUENCY	BY WHOM	COMMENTS
GEOTECHNICAL						
COMPACTED FILL	GRADATION	ASTM C117, C136	1705.6	SECTION 31 23 23, FILL AND BACKFILL	OWNER'S TESTING AGENCY	
COMPACTED FILL	COMPACTION	ASTM [D1557]	1705.6	SECTION 31 23 23, FILL AND BACKFILL	OWNER'S TESTING AGENCY	
COMPACTED FILL	DENSITY	ASTM [D6938]	1705.6	SECTION 31 23 23, FILL AND BACKFILL	OWNER'S TESTING AGENCY	
PREPARED SUBGRADE	DENSITY	ASTM [D1557]	1705.6	SECTION 31 23 13, SUBGRADE PREPARATION	OWNER'S TESTING AGENCY	
CONCRETE						
CONCRETE	STRENGTH	ASTM C39	1705.3	ONCE EACH DAY, BUT NOT LESS THAN ONE SAMPLE FOR EACH 150 CUBIC YARDS OR 5,000 SFT OF WALLS OR SLABS PLACED	OWNER'S TESTING AGENCY	
CONCRETE	SLUMP	ASTM C143, C94	1705.3	ONE SAMPLE PER STRENGTH TEST	OWNER'S TESTING AGENCY	
CONCRETE	AIR CONTENT	ASTM C231, C94	1705.3	ONE SAMPLE PER STRENGTH TEST	OWNER'S TESTING AGENCY	
CONCRETE	TEMPERATURE	ASTM C1064	1705.3	ONE SAMPLE PER STRENGTH TEST	OWNER'S TESTING AGENCY	

TABLE 4
REQUIRED SPECIAL INSPECTION FOR WIND RESISTANCE FOR STRUCTURAL SYSTEMS
REFER TO SPECIFICATION SECTION 01 45 33

The Nominal Design Wind Speed (3-second-gust) for this Project is 170 mph.
The Wind Exposure is Category C.

SYSTEM	2021 IBC CODE REFERENCE	STANDARD OR CODE	PERIODIC OWNER FURNISHED SPECIAL INSPECTION (SEE NOTE 1)	CONTINUOUS OWNER FURNISHED SPECIAL INSPECTION	COMMENTS
STRUCTURAL					
FIELD GLUING OPERATIONS OF ELEMENTS OF THE STRUCTURAL WOOD MAIN WIND-FORCE-RESISTING SYSTEM	1705.11.1			X	NOTE 2
NAILING, BOLTING, ANCHORING, AND OTHER FASTENING IN STRUCTURAL WOOD MAIN WIND-FORCE-RESISTING SYSTEMS INCLUDING DRAG STRUTS, BRACES, AND HOLD-DOWNS	1705.11.1		X		NOTE 2

NOTES:
1. PERIODIC INSPECTION IS DEFINED AS INSPECTION BY THE SPECIAL INSPECTOR OF ALL MATERIALS AND SYSTEMS, IN SOME CASES PERFORMED DURING THEIR PLACEMENT AND IN ALL CASES PERFORMED UPON COMPLETION OF THEIR PLACEMENT. THE COMPLETION INSPECTION SHALL BE PERFORMED SO THAT WORK CAN BE CORRECTED PRIOR TO OTHER RELATED WORK PROCEEDING AND COVERING THE INSPECTED WORK.
2. SPECIAL INSPECTIONS FOR WIND RESISTANCE ARE REQUIRED FOR BUILDINGS AND STRUCTURES CONSTRUCTED IN WIND EXPOSURE CATEGORY B, WHERE THE 3-SECOND-GUST NOMINAL DESIGN WIND SPEED IS 120 MPH OR GREATER, OR IN WIND EXPOSURE CATEGORIES C OR D, WHERE THE 3-SECOND-GUST NOMINAL DESIGN WIND SPEED IS 110 MPH OR GREATER.

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NO:	DATE:	REMARKS:
1	4/12/2022	ASI 01 CONFORMED SET
0	1/14/2022	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
SPECIAL INSPECTIONS - SHEET 2

PROJECT NO.:	ISSUE DATE:
D3232200	01/14/2022
DRAWN BY: FA	CHECKED BY: PWB

SHEET NUMBER:
C-363

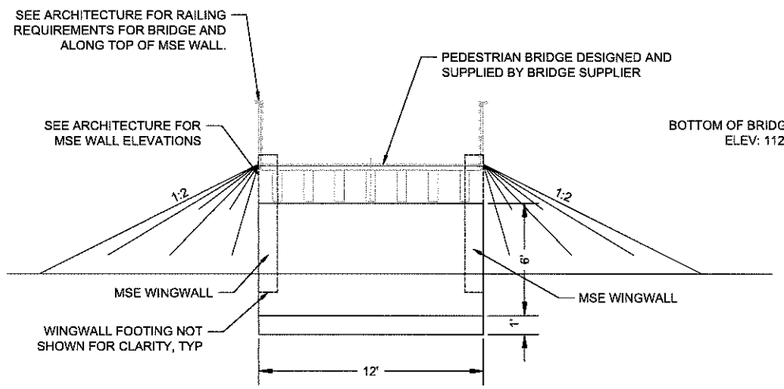
NOTES:

1. MSE WALLS ARE SHOWN CONCEPTUALLY ONLY. MSE WALL DESIGN AND DETAILING IS BY THE MSE WALL CONTRACTOR. REFER TO THE SPECIFICATIONS AND CIVIL DRAWINGS.

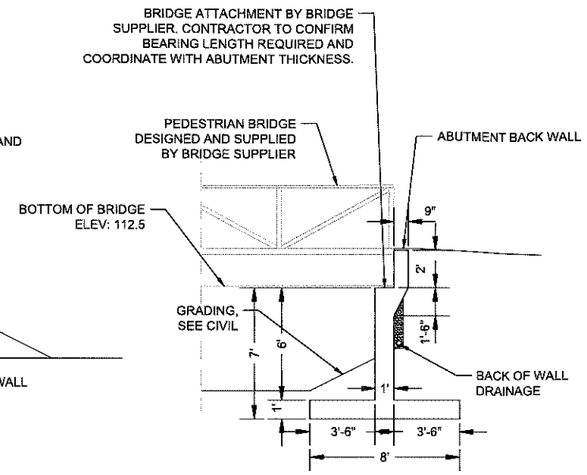
2. PEDESTRIAN BRIDGE IS SHOWN CONCEPTUALLY ONLY. BRIDGE DESIGN IS BY BRIDGE SUPPLIER. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

3. EXTENTS OF MSE WALL, INCLUDING FOOTING ELEVATION, TO BE VERIFIED BY THE MSE WALL SUPPLIER.

4. ABUTMENT GEOMETRY IS BASED ON THE USE OF VERTICAL WINGWALLS. IF INCLINED WINGWALLS ARE TO BE USED, THE ABUTMENTS MUST BE MODIFIED SO THAT THE FOUNDATIONS ARE WIDENED AND THE EDGES OF THE ABUTMENT WALL ARE INCLINED ACCORDING TO THE WINGWALL INCLINE.



ABUTMENT FRONT VIEW
3"=1'-0"



ABUTMENT CROSS SECTION
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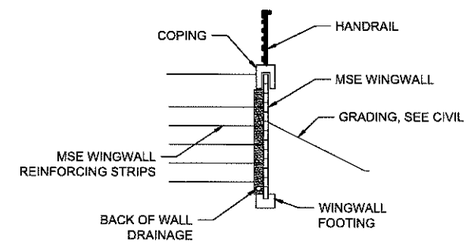

WINGWALL CROSS SECTION
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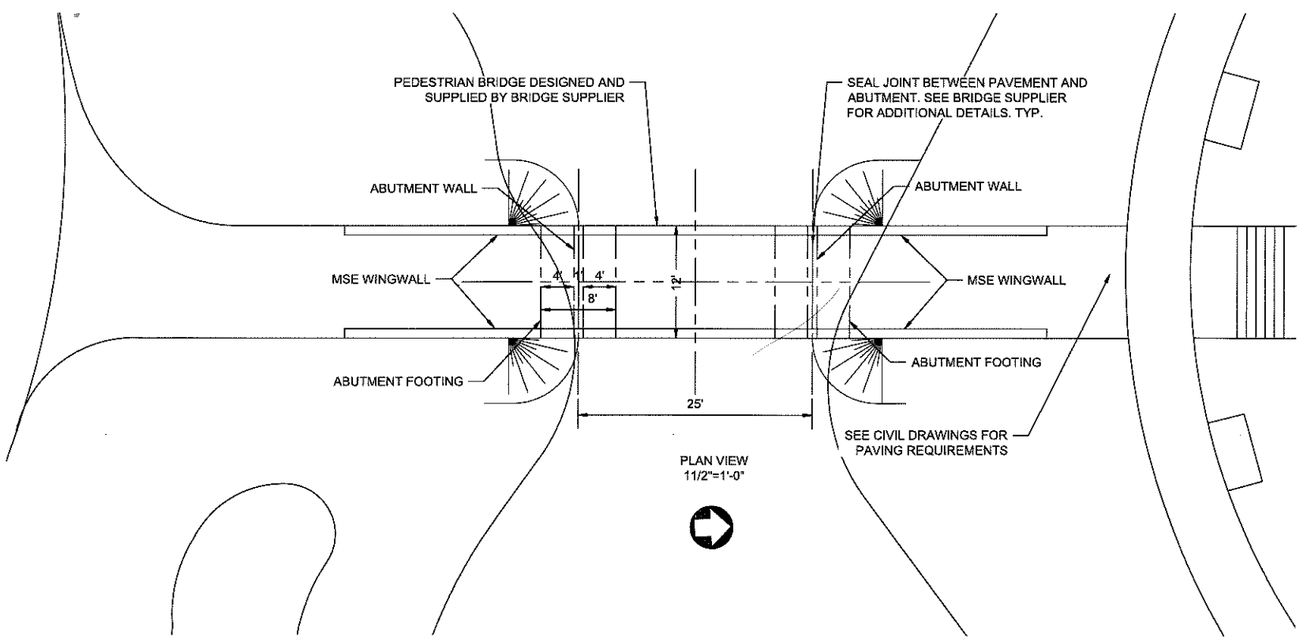
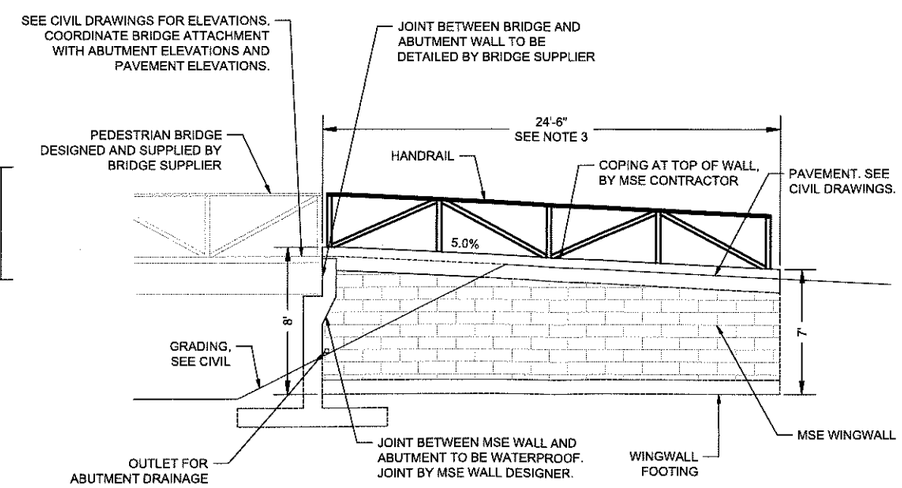


PLAN VIEW
11/2"=1'-0"



SIDE VIEW
3"=1'-0"

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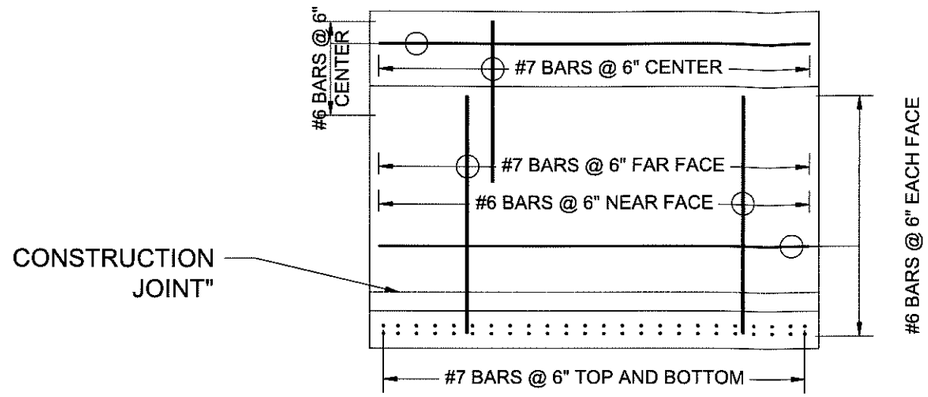
NO:	DATE:	REMARKS:
1	4/12/2022	ASI 01 CONFORMED SET
0	1/14/2022	FOR CONSTRUCTION

REVISIONS:

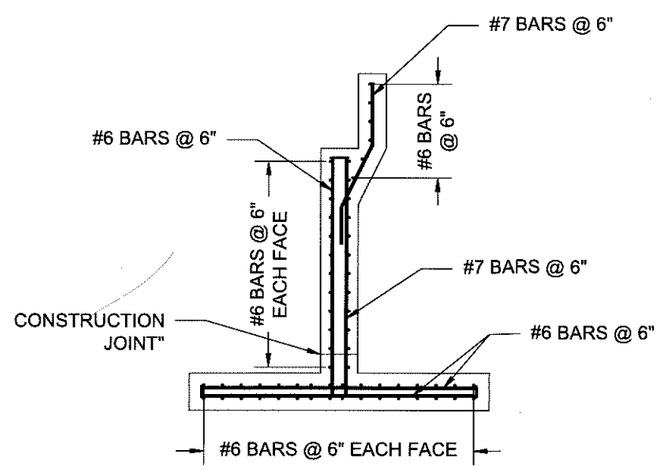
DRAWING TITLE:
ABUTMENTS - GENERAL ARRANGEMENT

PROJECT NO.:	ISSUE DATE:
D3232200	01/14/2022
DRAWN BY: FA	CHECKED BY: PWB

SHEET NUMBER:
C-364



ABUTMENT FRONT VIEW



ABUTMENT SECTION VIEW

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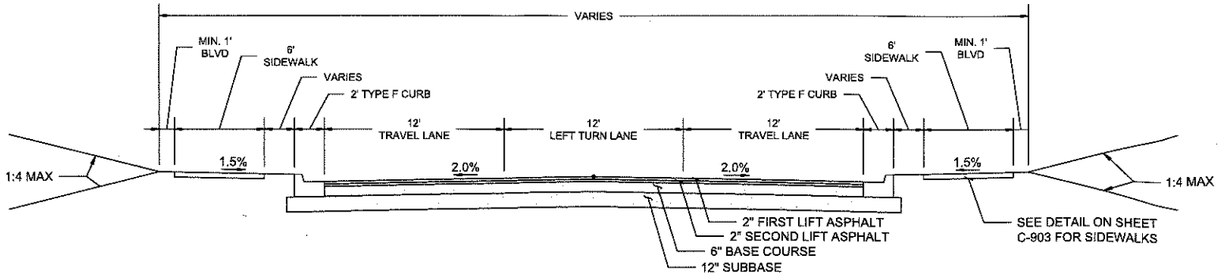
NO:	DATE:	REMARKS:
1	4/12/2022	ASI 01 CONFORMED SET
0	1/14/2022	FOR CONSTRUCTION

REVISIONS:

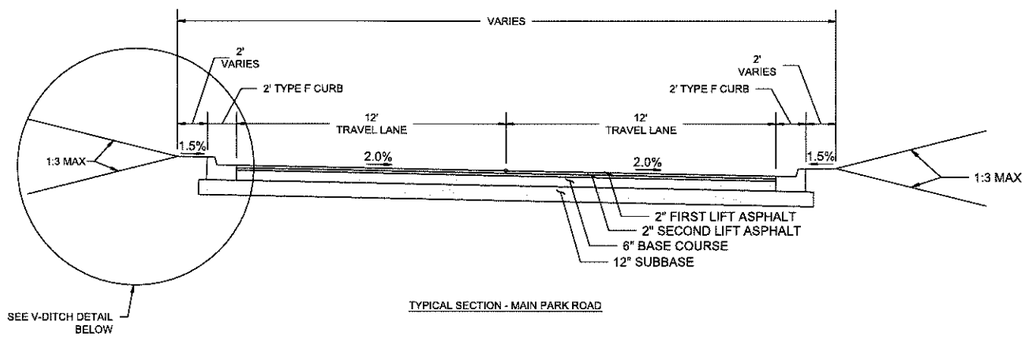
DRAWING TITLE:
ABUTMENTS - REINFORCEMENT DETAILS

PROJECT NO.:	ISSUE DATE:
D3232200	01/14/2022
DRAWN BY: FA	CHECKED BY: PWB

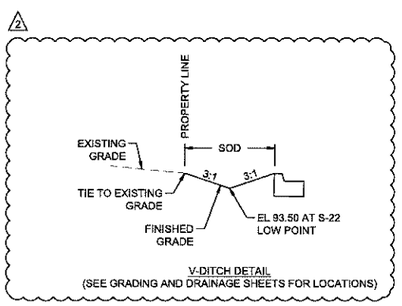
SHEET NUMBER:
C-365



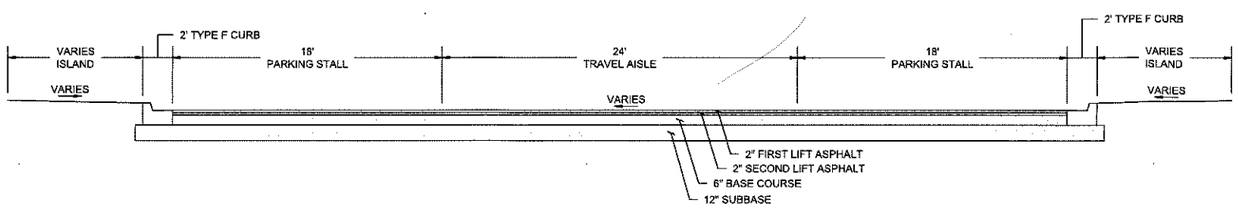
TYPICAL SECTION - NAVY FEDERAL WAY



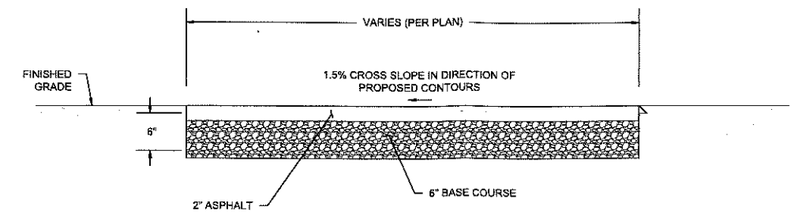
TYPICAL SECTION - MAIN PARK ROAD



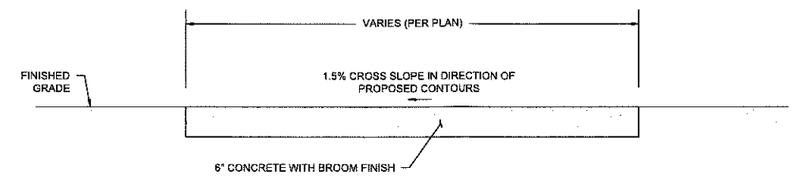
V-DITCH DETAIL
(SEE GRADING AND DRAINAGE SHEETS FOR LOCATIONS)



TYPICAL SECTION - PARKING LOT AISLE

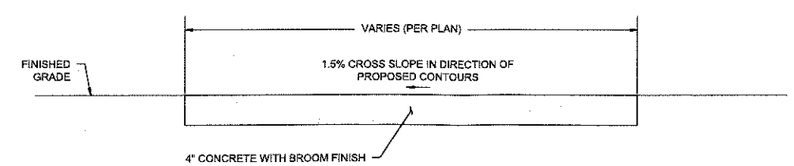


TYPICAL ASPHALT PEDESTRIAN PATH (C-03)
(REFER TO LANDSCAPE DRAWINGS FOR LOCATIONS)



VEHICULAR CONCRETE TO BE CONSTRUCTED AS SPECIFIED FOR CONCRETE DRIVEWAY IN SECTION 522 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, JANUARY 2022 EDITION. CONTRACTOR TO SUBMIT PROPOSED JOINT SPACING PLAN TO HE THE CIVIL ENGINEER OF RECORD FRO APPROVAL PRIOR TO CONSTRCUTION ANY VEHICULAR CONCRETE.

TYPICAL VEHICLE CONCRETE (C-01)
(REFER TO LANDSCAPE DRAWINGS FOR LOCATIONS)



CONCRETE PEDESTRIAN PATH TO BE CONSTRUCTED AS SPECIFIED FOR CONCRETE SIDEWALK IN INDEX 522-001 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) FY 2022-23 STANDARD PLANS FOR ROAD CONSTRUCTION AND MEET THE REQUIREMENTS OF SECTION 522 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRICTION, JANUARY 2022 EDITION

TYPICAL CONCRETE PEDESTRIAN PATH (C-02)
(REFER TO LANDSCAPE DRAWINGS FOR LOCATIONS)

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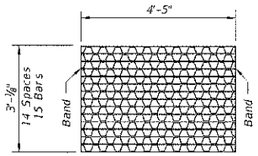
NO:	DATE:	REMARKS:
3	5/13/22	ASI 03
2	4/12/22	ASI 01 CONFORMED SET
1	2/21/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
TYPICAL SECTIONS

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2022
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-900



TYPE D

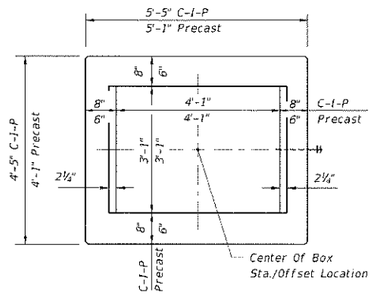
Straight Bars 2" x ¼"

Reticuline Bars 1¼" x 3/16"

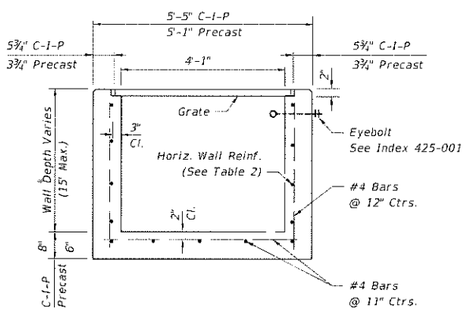
Bands 2" x ¼"

TYPE 'D' GRATE

NOTE: GRATE SHALL BE PER ASTM SPEC A-48, CLASS 30 CAST IRON OR APPROVEL EQUAL.

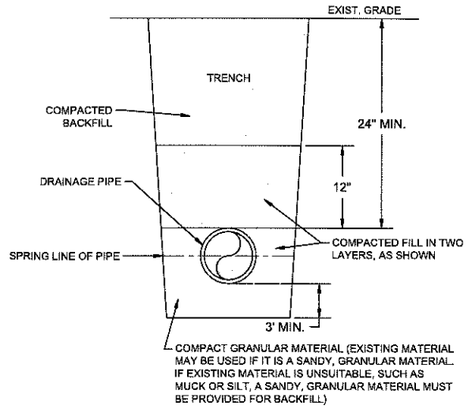


PLAN



SECTION

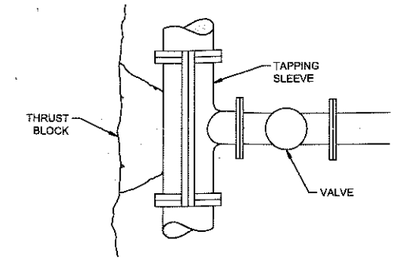
FDOT TYPE D INLET
NOT TO SCALE



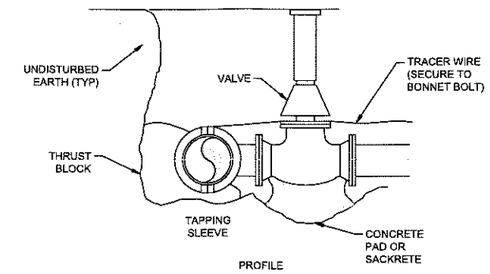
TYPICAL PIPE BEDDING
NOT TO SCALE

STANDARD SEWER MANHOLE NOTES:

1. MANHOLE SHALL CONFORM TO A.S.T.M. C 478 SPECIFICATIONS.
2. DIAMETER OF OPENING FOR PIPE SHALL BE 1" LARGER DIAMETER THAN BELL OF THE PIPE BEING USED.
3. JOINTING COMPOUND SHALL BE RAM NECK, TYPE 1, ROPE FORM GASKET OR EQUAL.
4. ALL PATCHING TO BE DONE WITH HYDRAULIC CEMENT, NO MORTAR REPAIRS PERMITTED.
5. CONCRETE TO BE 3000 P.S.I., REINFORCING STEEL TO BE A.S.T.M. A 615 GRADE 60.
6. SEAL WITH A-LOK, KORE-N-SEAL OR LOCK-JOINT PER SPECIFICATIONS.
7. CAST IN PLACE MANHOLE MAY BE ALLOWED IN PRE-APPROVED LOCATIONS.
8. ALL NEW LINE TIE-INS SHALL BE CORE-DRILLED WITH RUBBER BOOT ADDED.
9. APPLY TWO (2) COATS OF BITUMASTIC SEALANT OVER ENTIRE EXTERIOR BELOW GRADE.
10. BITUMASTIC COATING SHALL BE FACTORY APPLIRED.
11. USE GRADE RINGS TO MATCH FRAME & COVER WITH EXISTING GRADE.

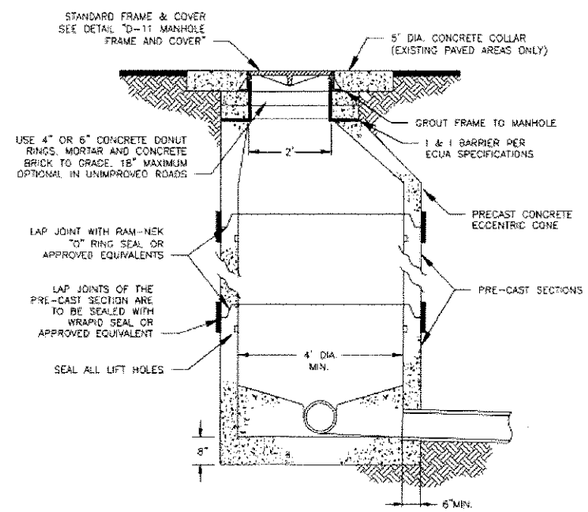


PLAN



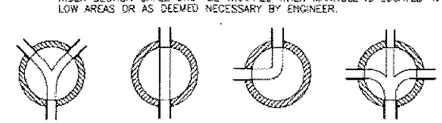
PROFILE

TYPICAL TAPPING SLEEVE & VALVE DETAIL
NOT TO SCALE



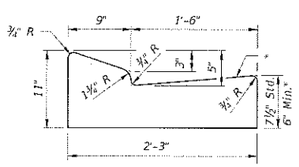
NOTES:

1. SEE SECTION 2570 FOR COMPLETE SPECIFICATIONS.
2. VACUUM TEST TO BE COMPLETED IN ACCORDANCE WITH ASTM C-1244 AND PERFORMED PRIOR TO BACKFILLING.
3. SUPPORTING SOILS UNDER THE BASE OF THE MANHOLE SHALL BE COMPACTED TO AT LEAST 98% OF MAXIMUM DENSITY.
4. JOINT SEALING WRAP SHALL BE INSTALLED ON ALL NEW MANHOLES. RISER SECTION SHALL ONLY BE WRAPPED WHEN MANHOLE IS LOCATED IN LOW AREAS OR AS DEEMED NECESSARY BY ENGINEER.



TYPICAL INVERT CHANNELS

STANDARD SEWER MANHOLE DETAIL- D-10
NOT TO SCALE



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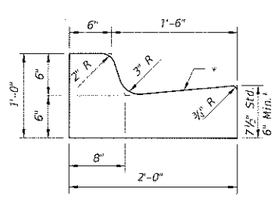
NOT TO SCALE



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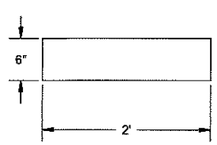

CONCRETE CURB RIBBON
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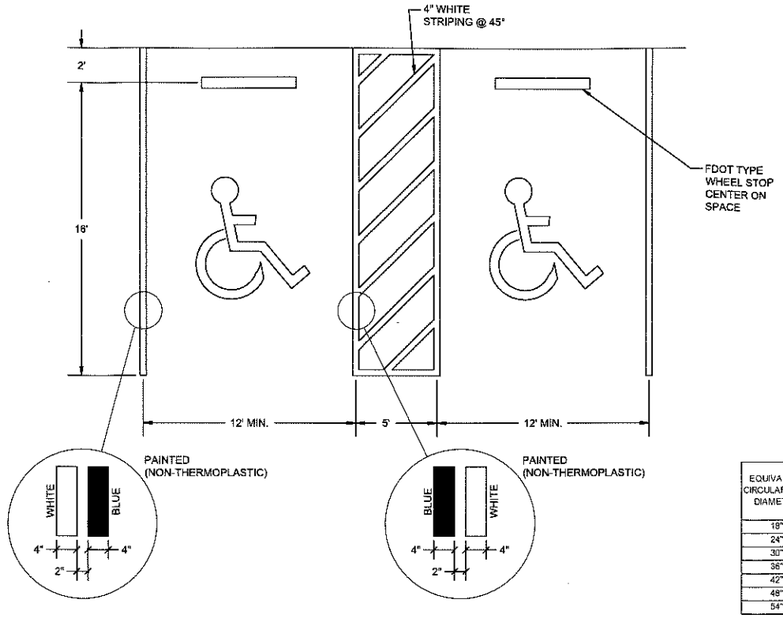
NO:	DATE:	REMARKS:
3	5/13/22	ASI 02
2	4/12/22	ASI 01 CONFORMED SET
1	2/21/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
CIVIL DETAILS

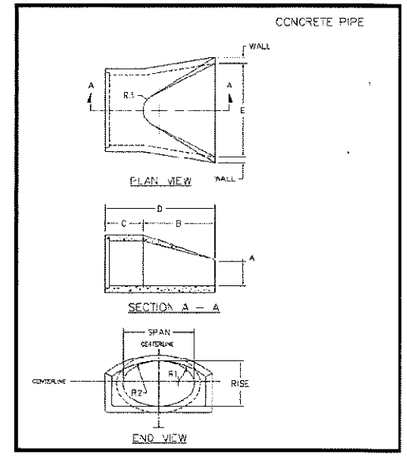
PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2021
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-901



ADA PARKING DETAIL

NOT TO SCALE



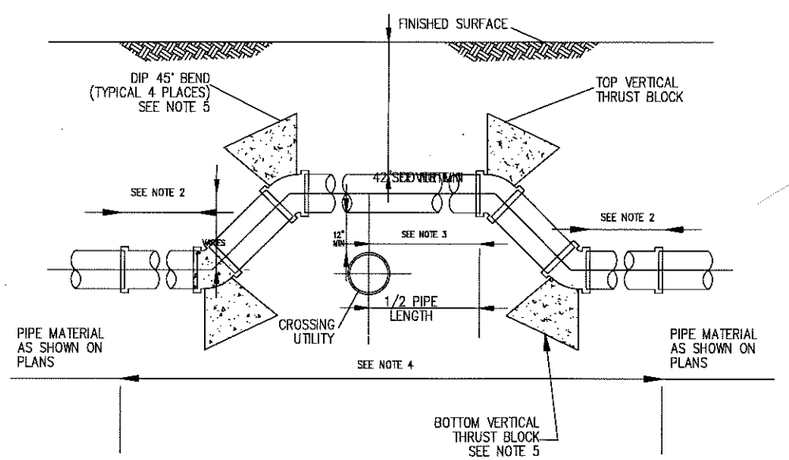
EQUIVALENT CIRCULAR PIPE DIAMETER	NOMINAL INSIDE RISE X SPAN	WALL THICKNESS	APPROX WEIGHT	A	FLARE LENGTH B	BARREL LENGTH C	LAY LENGTH D	FLARE WIDTH E	R-1	R-2	R-3
18"	14"X23"	2-3/4"	1300	8"	2'-4"	3'-9"	6'-1"	36"	6-3/32"	19-15/16"	6"
24"	19"X30"	3-1/4"	1675	8-1/2"	3'-4"	2'-9"	6'-1"	48"	8-7/32"	26-1/4"	7"
30"	24"X38"	3-3/4"	2450	9-1/2"	4'-6"	1'-6"	6'-0"	60"	10-1/4"	32-13/16"	9"
36"	29"X45"	4-1/2"	4840	11-1/2"	5'-1"	3'-0"	8'-1"	72"	12-5/8"	39-3/8"	12"
42"	34"X53"	5"	6458	15-3/4"	5'-0"	3'-0"	8'-0"	78"	14-9/32"	45-29/32"	13"
48"	38"X60"	5-1/2"	7870	21"	5'-0"	3'-0"	8'-0"	84"	15-7/16"	51-19/32"	14"
54"	43"X68"	6"	9990	25-1/2"	5'-0"	3'-0"	8'-0"	90"	18-21/32"	58-19/32"	16"

ELLIPTICAL FLARED END SECTION

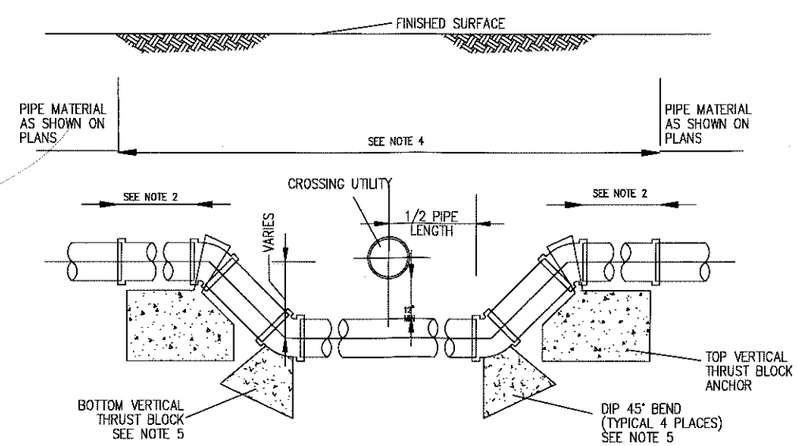
NOT TO SCALE

NOTES:

1. ELLIPTICAL FLARED END SECTIONS SHALL MEET THE REQUIREMENTS OF SECTION 430 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, JANUARY 2022 EDITION.
2. INSTALL RIPRAP RUBBLE (DITCH LINING) PAD, PER SECTION 530 AND ANY APPLICABLE SECTIONS REFERENCED THEREIN OF THE FLORIDA DEPARTMENT OF TRANSPORTAION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION JANUARY 2022 EDITION, AT THE TOE OF THE FLARED END SECTION. SEE THE GRADING AND DRAINAGE SHEETS FOR RIPRAP PAD DIMENSIONS. INSTALL THE PAD BELOW GRADE WITH THE TOP 4" ABOVE THE INVERT OF THE FLARED END SECTION.



WATERLINE CROSSING OVER UTILITY CONDUITS



WATERLINE CROSSING UNDER UTILITY CONDUITS

NOTES:

1. WHERE MINIMUM COVER PERMITS, WATERLINE SHALL CROSS OVER SANITARY SEWER OR STORM DRAIN PIPES.
2. SEE SCHEDULE FOR REQUIRED RESTRAINED LENGTHS
3. 72" MINIMUM FOR CROSSING SANITARY SEWER. 24" MINIMUM FOR OTHER UTILITIES.
4. WATER FITTINGS SHALL BE "FIELD LOK" JOINT RESTRAINT GASKETS, MANUFACTURED BY U.S. PIPES OR APPROVED EQUAL.
5. ANCHORS AND THRUST BLOCKS WITH #4 STEEL REBARS.

WATERLINE CROSSING DETAILS

NOT TO SCALE

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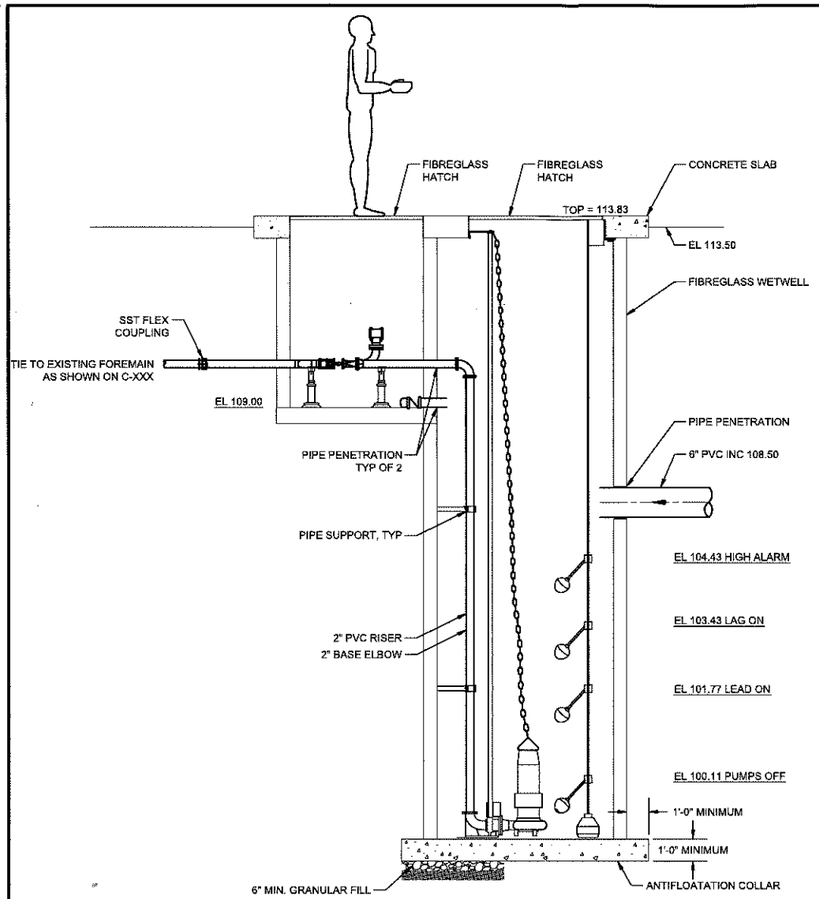
NO:	DATE:	REMARKS:
2	5/13/22	ASI 02
1	4/12/22	ASI 01 CONFORMED SET
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

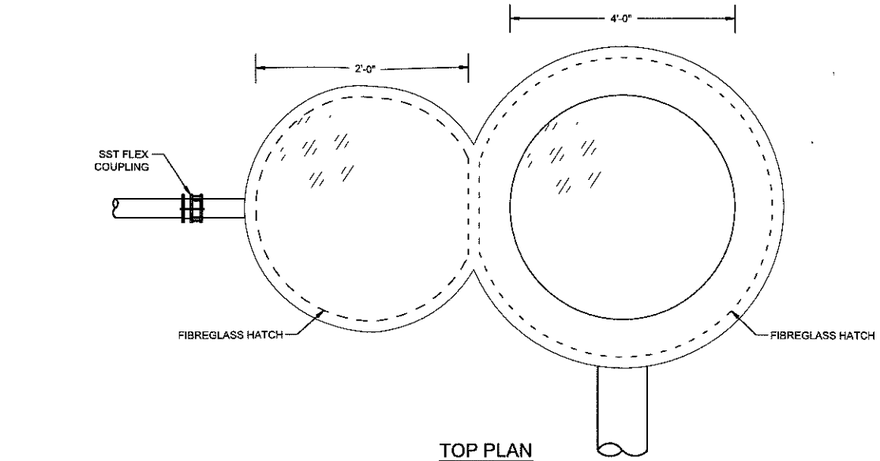
DRAWING TITLE: CIVIL DETAILS

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2021
DRAWN BY: GFC	CHECKED BY: M. GUND

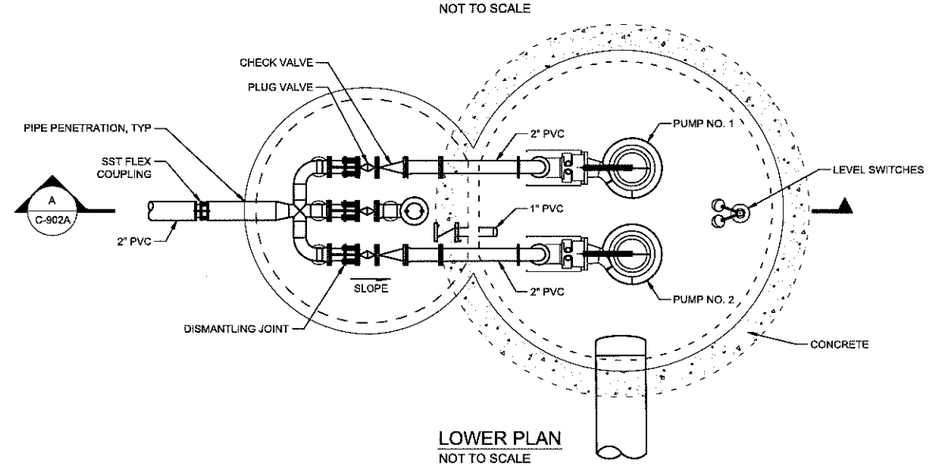
SHEET NUMBER: C-902



A SECTION
NOT TO SCALE



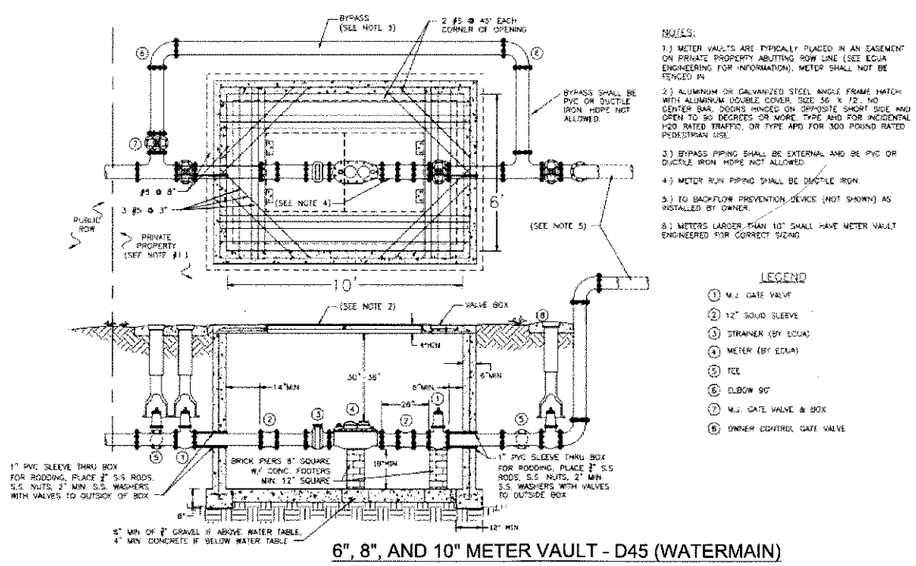
TOP PLAN
NOT TO SCALE



LOWER PLAN
NOT TO SCALE

NOTES:

1. FIBER GLASS LIFT STATION DESIGNED BY FIBER GLASS MANUFACTURER. ALL JOINTS SHALL BE WATER TIGHT. DESIGN SURCHARGE LOAD IS HS-20.
2. LIFT STATION SHALL BE DELIVERED AS A PACKAGE. PACKAGE SHALL INCLUDE WETWELL, VALVE VAULT, PUMPS, DISCHARGE PIPING, VALVES, FITTINGS, AND CONTROL PANEL.
3. PUMPS SHALL BE BARNES MODEL XGV50N2 FOR 50 GPM @ 90 TDH.
4. WALL THICKNESS AND SLAB THICKNESS SHOWN IS A MINIMUM REQUIREMENT. MANUFACTURER SHALL DETERMINE IF ACTUAL THICKNESS REQUIRED ARE GREATER THAN THOSE SHOWN HERE.
5. INCLUDE TIDE FLEX CHECK VALVE ON DRAIN DISCHARGE FROM VALVE VAULT.
6. SHALL BE DOUBLE LEAF-SPRING TYPE WITH SAFETY GRATE AS PER SPECIFICATION 05 50 00B.
7. CONTACTOR SHALL PROVIDE BOYANCY CALCULATIONS FOR NEW WETWELL AND VALVE VAULT.
8. CONTRACTOR SHALL DEVELOP AN EXCAVATION SUPPORT PLAN. THE SUPPORT PLAN SHALL DETAIL SHORING, BRACING, SLOPING, AND OTHER PROVISIONS FOR PROTECTION FROM HAZARDS OF CAVING GROUND. THE REPORT SHALL INCLUDE DESIGN ASSUMPTIONS, CALCULATIONS, METHODS OF SUPPORT, AND LOCATIONS FOR STOCKPILED MATERIAL.



NOTES:

1.) METER VAULTS ARE TYPICALLY PLACED IN AN EASEMENT ON PRIVATE PROPERTY ABUTTING ROW LINE (SEE EQUA ENGINEERING FOR INFORMATION). METER SHALL NOT BE FENCED IN.

2.) ALUMINUM OR GALVANIZED STEEL ANGLE FRAME HATCH WITH ALUMINUM DOUBLE COVER. SIZE 36 X 72. NO CENTER BAR. DOORS HINGED ON OPPOSITE SHORT SIDE AND OPEN TO 90 DEGREES OR MORE. TYPE AND FOR INCIDENTAL H20 RATED TRAFFIC, OR TYPE APD FOR 300 POUND RATED PEDESTRIAN USE.

3.) BYPASS PIPING SHALL BE EXTERNAL AND BE PVC OR DUCTILE IRON. HDPE NOT ALLOWED.

4.) METER RUN PIPING SHALL BE DUCTILE IRON.

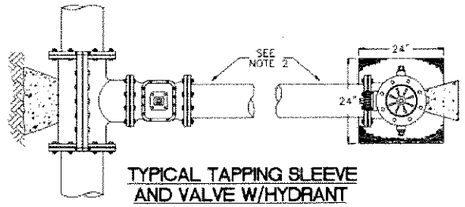
5.) TO BACKFLOW PREVENTION DEVICE (NOT SHOWN) AS INSTALLED BY OWNER.

6.) METERS LARGER THAN 10" SHALL HAVE METER VAULT ENGINEERED FOR CORRECT SIZING.

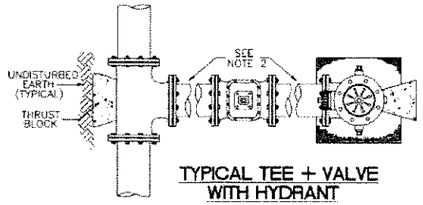
LEGEND

1. M.J. GATE VALVE
2. 12" SOLID SLEEVE
3. STRAINER (BY EQUA)
4. METER (BY EQUA)
5. TEE
6. ELBOW 90°
7. M.J. GATE VALVE & BOX
8. OWNER CONTROL GATE VALVE

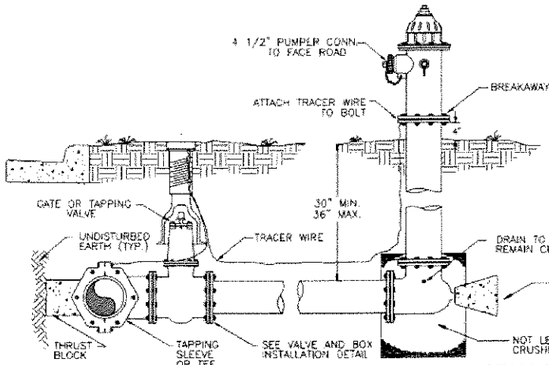
6", 8", AND 10" METER VAULT - D45 (WATERMAIN)
NOT TO SCALE



TYPICAL TAPPING SLEEVE AND VALVE W/HYDRANT



TYPICAL TEE + VALVE WITH HYDRANT



NOTES:

1. CONTRACTOR TO ADJUST FIRE HYDRANT TO FINISHED GRADE.
2. HYDRANT CONNECTORS (MIN3' IN LENGTH) OR D.I.P. SPOOLS (MIN 3" IN LENGTH) WITH MEGALUG JOINT RESTRAINTS OR APPROVED EQUAL.

TYPICAL FIRE HYDRANT INSTALLATION DETAIL- D-50
NOT TO SCALE

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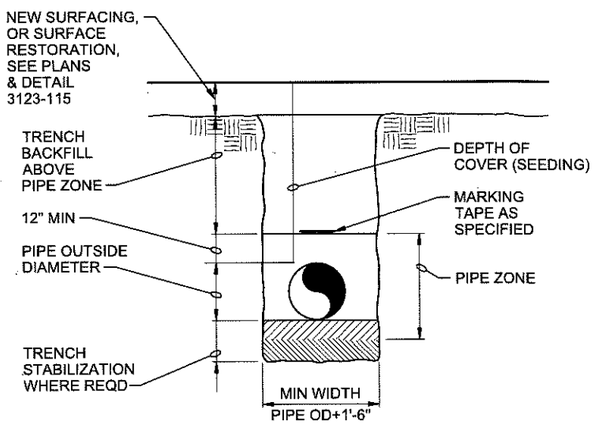
REVISIONS:

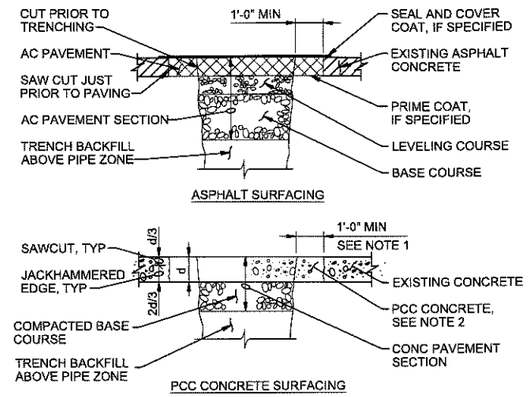
DRAWING TITLE: CIVIL DETAILS

PROJECT NO.:	ISSUE DATE:
D3232200	05.16.2022
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER: C-902A



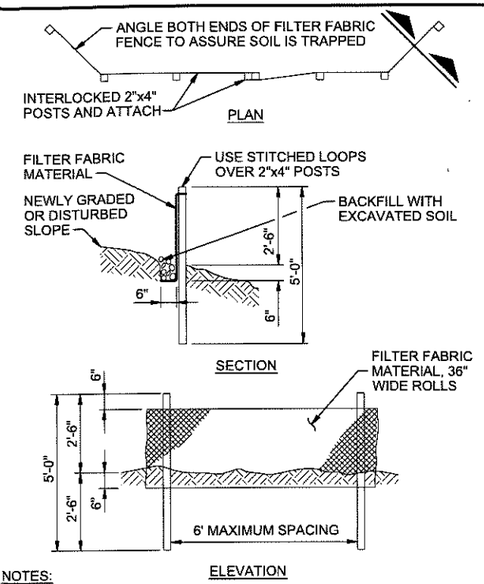
TYPICAL TRENCH (3123-110)
NOT TO SCALE



NOTES:

1. IF LOCATION OF TRENCH SAW CUT IS WITHIN 2 FEET OF AN EXISTING JOINT OR EDGE OF CONCRETE, REPLACE ENTIRE CONCRETE TO THE JOINT OR EDGE.
2. CONSTRUCT JOINTS ACROSS NEW CONCRETE TO MATCH EXISTING JOINT TYPES AND LOCATIONS.
3. SEE SPECIFICATION FOR ASPHALT, CONCRETE, AND GRAVEL SURFACING RESTORATION REQUIREMENTS

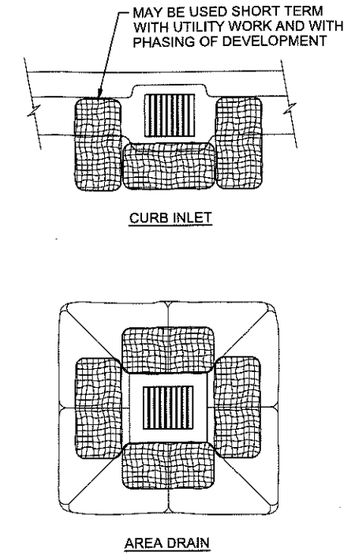
SURFACE RESTORATION (3123-115)
NOT TO SCALE



NOTES:

1. BURY BOTTOM OF FILTER FABRIC 6" VERTICALLY BELOW FINISHED GRADE.
2. 2"x4" PINE OR STEEL FENCE POSTS.
3. STITCHED LOOPS TO BE INSTALLED DOWNHILL SIDE OF SLOPE.
4. COMPACT ALL AREAS OF FILTER FABRIC TRENCH.

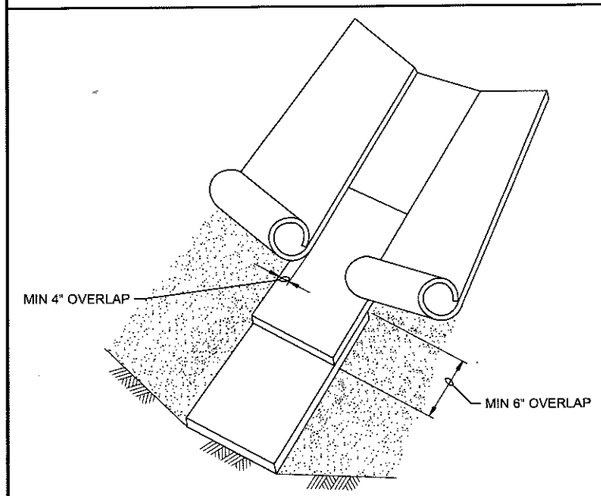
SEDIMENT FENCE (3125-165)
NOT TO SCALE



NOTE:

CONTRACTOR MAY ELECT TO USE AN EQUIVALANT FORM OF INLET PROTECTION.

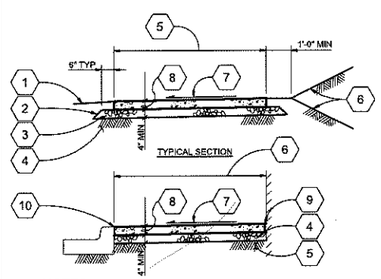
BIOFILTER INLET BARRIER (3125-186)
NOT TO SCALE



NOTES:

1. SLOPE SURFACE SHALL BE SMOOTH BEFORE PLACEMENT FOR PROPER SOIL CONTACT.
2. DO NOT STRETCH BLANKETS/MATTINGS TIGHT, ALLOW THE ROLLS TO MOLD TO ANY IRREGULARITIES.
3. ANCHOR, STAPLE, AND INSTALL CHECK SLOTS AS PER MANUFACTURER'S RECOMMENDATIONS.
4. AVOID JOINING MATERIAL IN THE CENTER OF THE DITCH.
5. LIME, FERTILIZE AND SEED BEFORE INSTALLATION.

ESC SWALE BLANKET (3125-151)
NOT TO SCALE



1. FINISH GRADE, SLOPE AS SHOWN ON GRADING PLANS
2. 1:1, TYP
3. BASE COURSE
4. PREPARED SUBGRADE
5. WIDTH AS NOTED ON PLANS
6. 2:1 MAX SLOPE
7. SLOPE 1/4"/FT OR AS SHOWN
8. SEE NOTE B
9. 1/2" PJF (WHERE AGAINST STRUCTURE)
10. TOOLED COLD JOINT

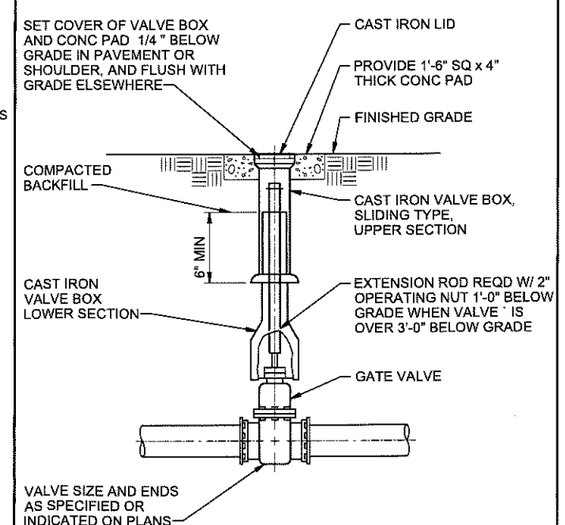
NOTES:

A. SIDEWALKS 8 FEET AND WIDER SHALL HAVE A LONGITUDINAL CONTRACTION JOINT AT THE MIDPOINT.

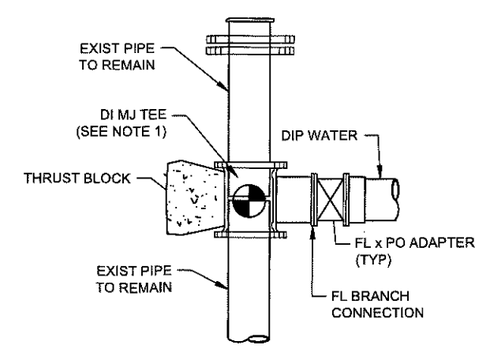
B. CONCRETE DEPTH FOR STANDARD SIDEWALKS SHALL BE NOMINAL 4" MINIMUM, THICKNESS IN DRIVEWAY SHALL BE 6" MINIMUM.

C. CONCRETE SIDEWALK TO BE CONSTRUCTED PER INDEX 522-001 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) FY 2022-23 STANDARD PLANS FOR ROAD CONSTRUCTION AND MEET REQUIREMENTS OF SECTION 522 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, JANUARY 2022 EDITION.

TYPICAL CONCRETE SIDEWALK (3213-220)
NOT TO SCALE



BURIED GATE VALVE BOX (4027-640)
NOT TO SCALE



NOTES:

1. REMOVE EXISTING PIPE AND INSTALL TEE.

PIPE CONNECTION DETAIL FROM EXISTING PIPE
NOT TO SCALE

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REVISIONS:

DRAWING TITLE: CIVIL DETAILS

PROJECT NO.:	ISSUE DATE:
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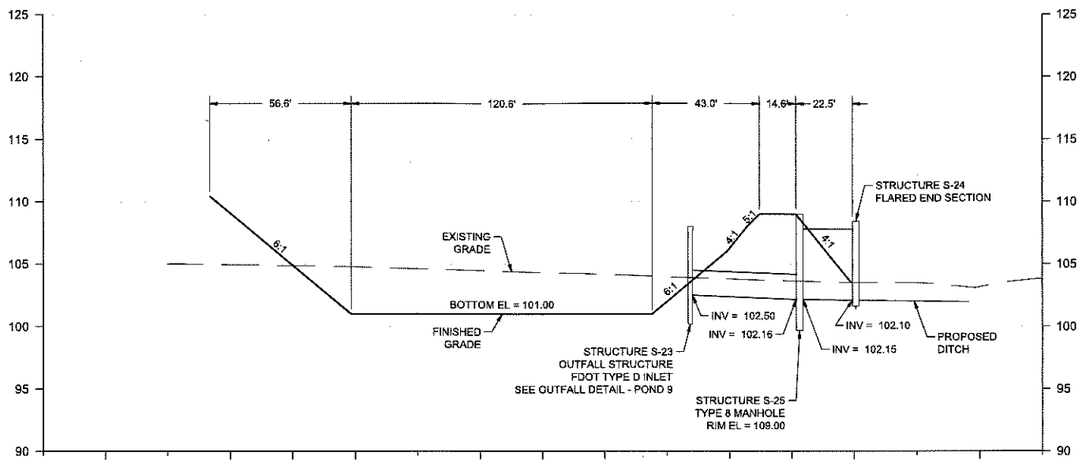
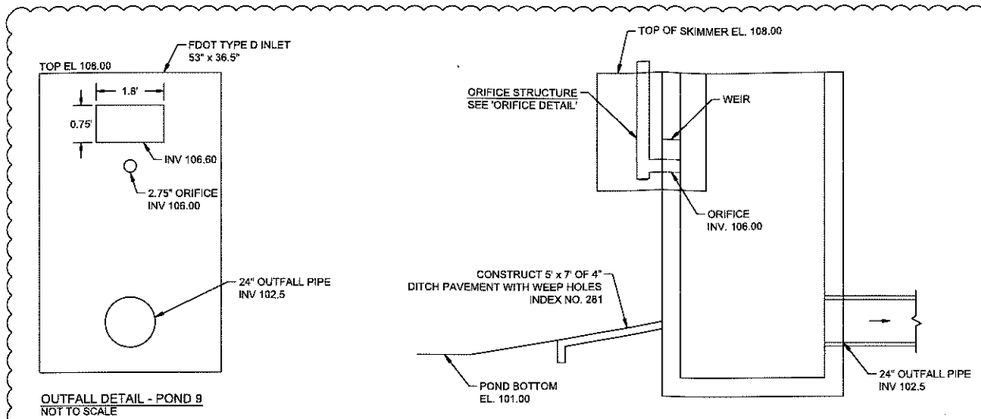
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER: C-903



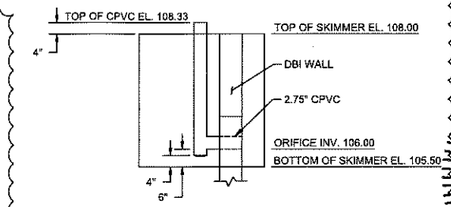
POND 9 OUTFALL STRUCTURE



OUTFALL DETAIL - POND 9
NOT TO SCALE

OUTFALL DETAIL - POND 9 SECTION VIEW
NOT TO SCALE

NOTES:
INSTALL SKIMMER PER FDOT STD PLANS 425-070 FOR POND 9 AND 10 OUTFALL STRUCTURES



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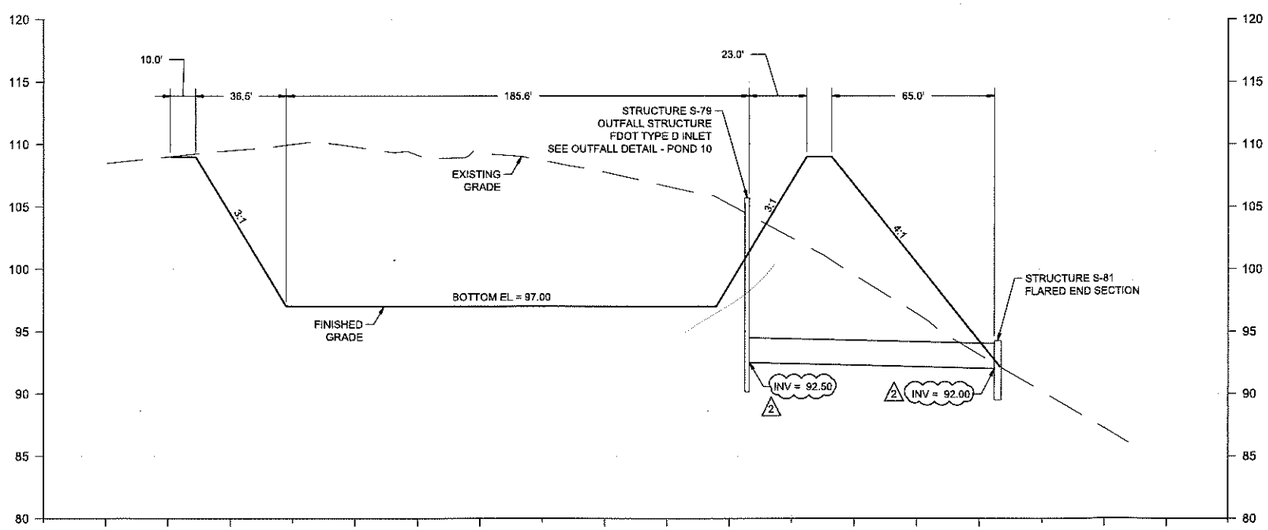
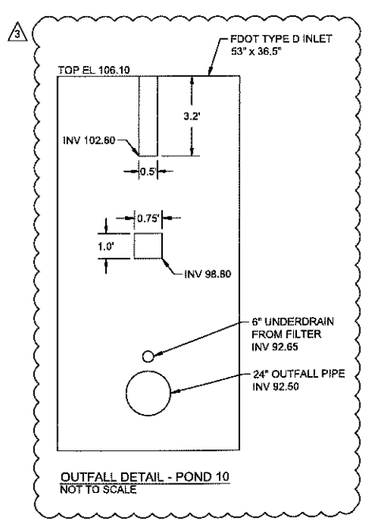


POND 10 OUTFALL STRUCTURE



OUTFALL DETAIL - POND 10
NOT TO SCALE

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MICHAEL GUND
LICENSE
No. 79401
STATE OF FLORIDA
PROFESSIONAL ENGINEER
5/19/2022

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Associated Space Design, Inc. 2021

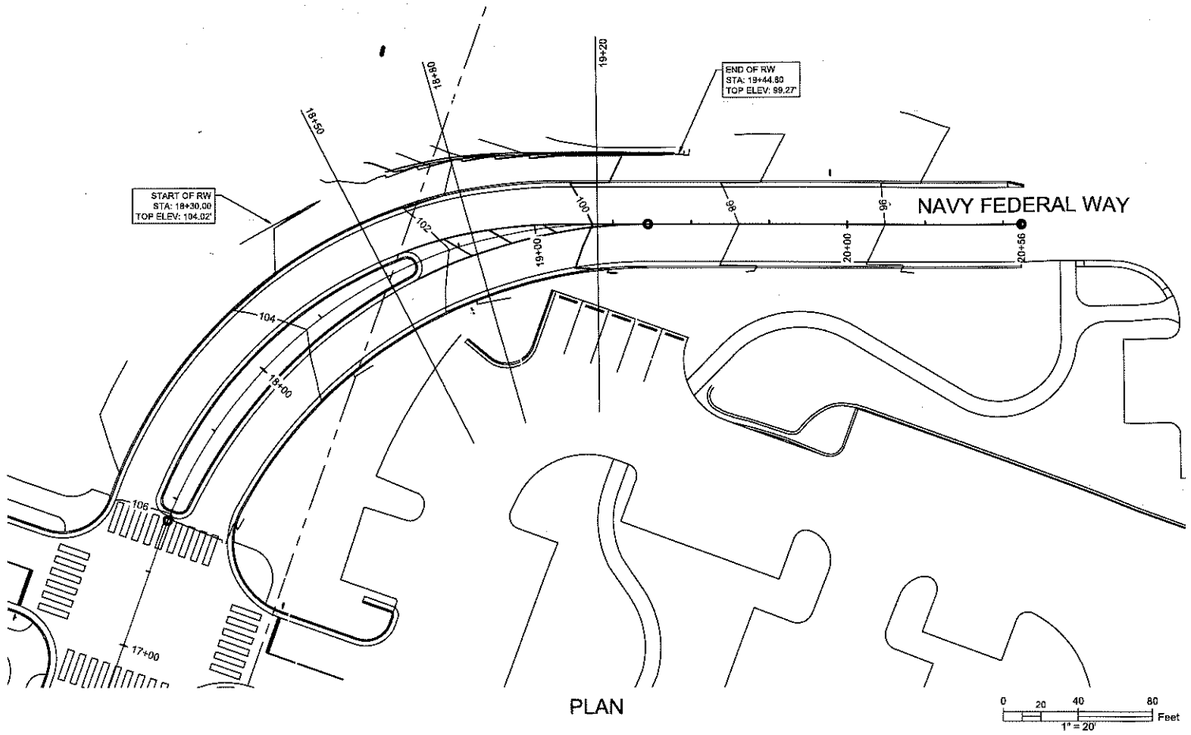
NO:	DATE:	REMARKS:
3	5/13/22	ASI 02
2	4/12/22	ASI 01 CONFORMED SET
1	2/21/22	ADDENDUM 02
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
CIVIL DETAILS

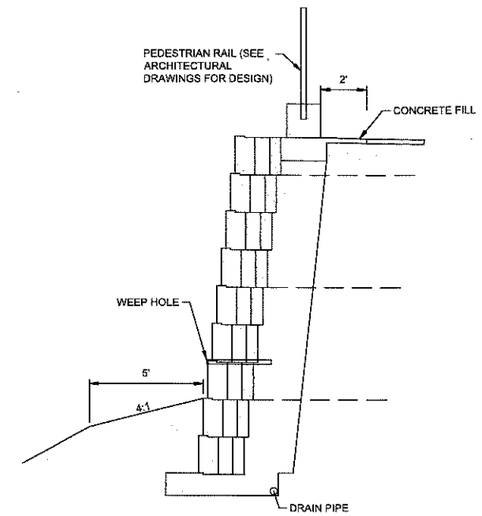
PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2021
DRAWN BY: GFC	CHECKED BY: M. GUND

SHEET NUMBER:
C-904

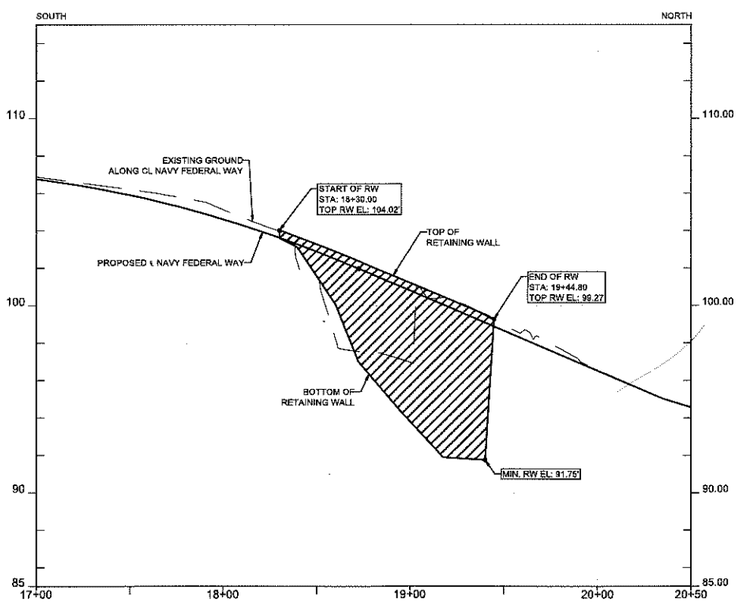


PLAN

0 20 40 80 Feet
1" = 20'

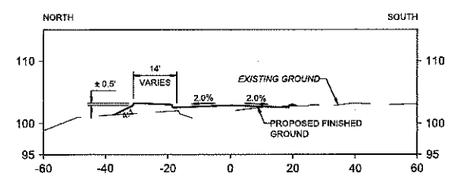


RETAINING WALL SECTION
NOT TO SCALE

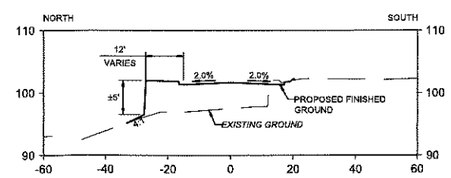


CL PROFILE OF NAVY FEDERAL WAY

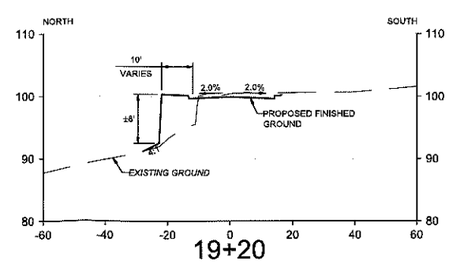
0 10 20 40 Feet
1" = 20' HORIZONTAL
0 2 4 8 Feet
1" = 4' VERTICAL



18+50



18+80



19+20

SECTIONS

0 10 20 40 Feet
1" = 20' HORIZONTAL
0 5 10 20 Feet
1" = 10' VERTICAL

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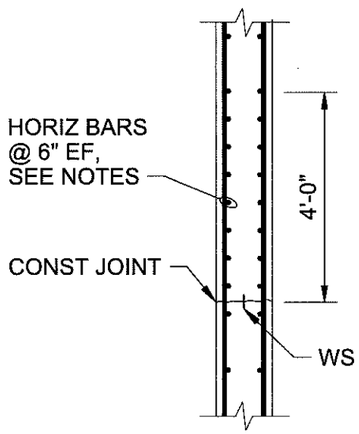
NO:	DATE:	REMARKS:
1	4/12/22	ASI 01 CONFORMED SET
0	1/14/22	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE:
RETAINING WALL
PLAN & DETAILS

PROJECT NO.:	ISSUE DATE:
D3232200	1.14.2022
DRAWN BY: NR	CHECKED BY: OH

SHEET NUMBER:
C-905



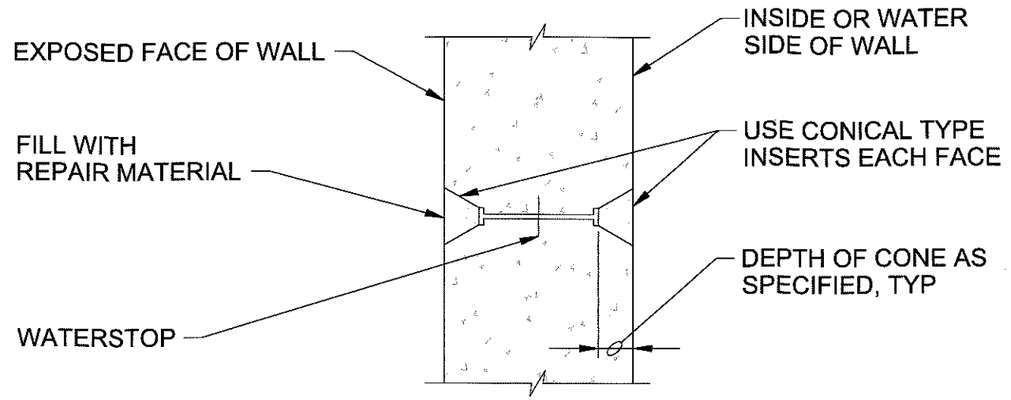
NOTES:

1. PROVIDE HORIZONTAL BARS AT 6" SPACING EACH FACE IN THE FIRST 4'-0" ABOVE ALL HORIZONTAL WALL CONSTRUCTION JOINTS IN LIQUID CONTAINING AND BELOW-GRADE STRUCTURES. WHERE TYPICAL WALL HORIZONTAL BARS ARE AT 12" SPACING, PROVIDE ADDITIONAL BARS FOR 6" SPACING.

2. HORIZONTAL BAR SIZE FOR THE 4'-0" ZONE SHALL BE THE TYPICAL WALL HORIZONTAL BAR SIZE SHOWN ON THE DRAWINGS OR THE MINIMUM BAR SIZE IN THE TABLE BELOW, WHICHEVER IS GREATER.

WALL THICKNESS (INCHES)	MINIMUM BAR SIZE
10	#5
12, 14	#6
16, 18, 20	#7
≥22	#8

INTERMEDIATE CONSTRUCTION JOINT (330-004)



NOTE:

THE SPACING OF FORM TIES ON EXPOSED PORTIONS OF WALLS SHALL BE APPROXIMATELY EQUAL HORIZONTALLY AND VERTICALLY AND SHALL BE UNIFORM IN EACH DIRECTION.

FORM SNAP-TIE HOLE (310-051)

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NO:	DATE:	REMARKS:
1	4/12/2022	ASI 01 CONFORMED SET
0	1/14/2022	FOR CONSTRUCTION

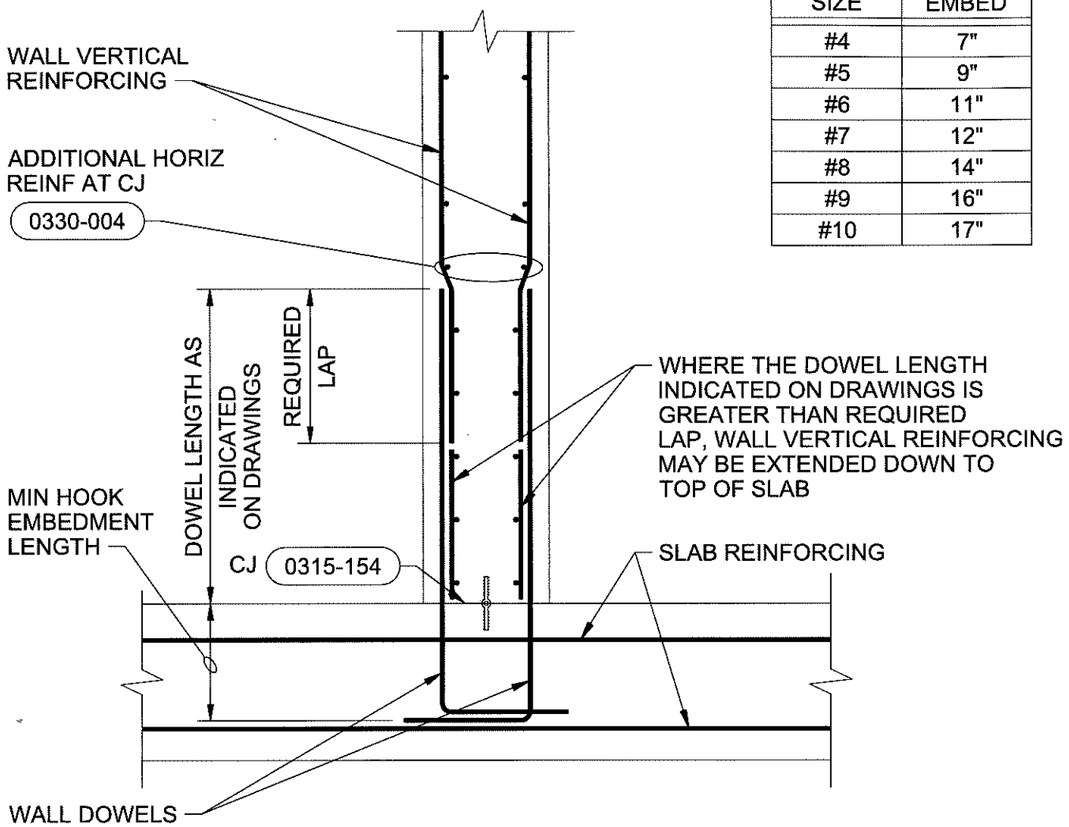
REVISIONS:

DRAWING TITLE:
STANDARD DETAILS - SHEET 1

PROJECT NO.:	ISSUE DATE:
D3232200	01/14/2022
DRAWN BY: FA	CHECKED BY: PWB

SHEET NUMBER:
C-906

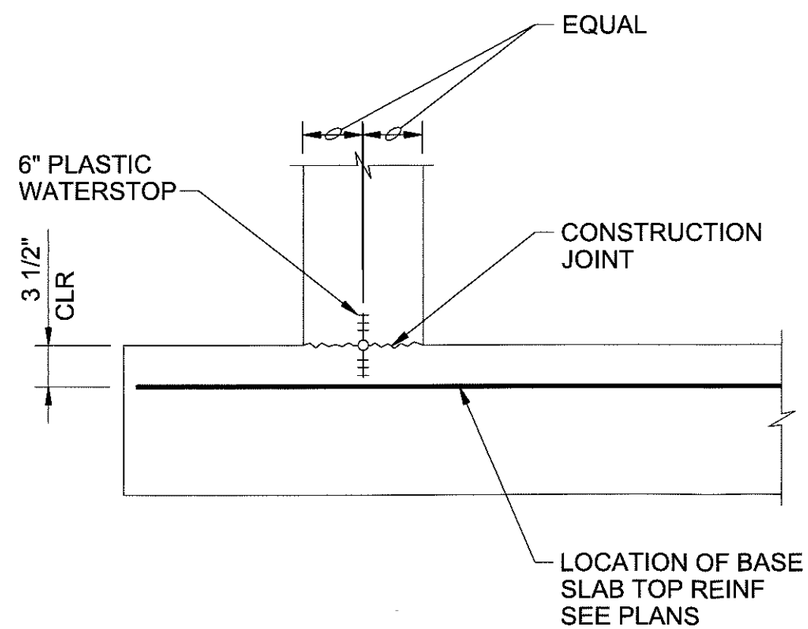
ACI MINIMUM HOOK EMBEDMENT LENGTH	
BAR SIZE	MIN EMBED
#4	7"
#5	9"
#6	11"
#7	12"
#8	14"
#9	16"
#10	17"



NOTE:

UNLESS NOTED OTHERWISE, ALL DOWEL HOOKS SHALL EXTEND TO AND BE TIED OFF TO BOTTOM MAT OF SLAB REINFORCING.

WALL SECTION
(330-005)



NOTES:

1. FOR WALLS WITH SINGLE MAT OF REINFORCING LOCATE WATERSTOP ON LIQUID FACE, 1" CLEAR OF REINFORCEMENT.
2. SECURE WATERSTOP IN-PLACE AS SPECIFIED.

WALL BASE CONSTRUCTION JOINT
(315-154)

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Associated Space Design, Inc. 2020

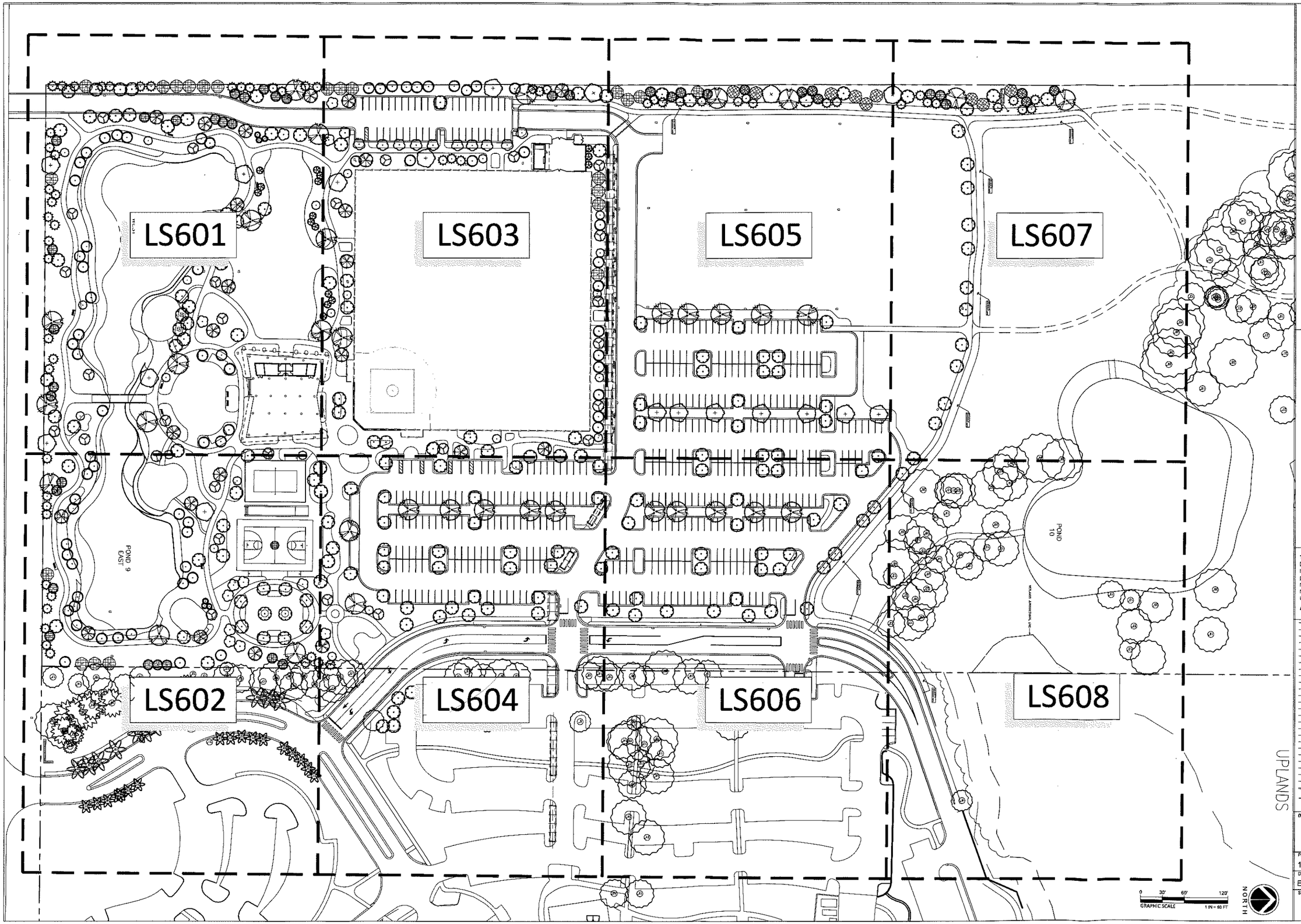
NO:	DATE:	REMARKS:
1	4/12/2022	ASI 01 CONFORMED SET
0	1/14/2022	FOR CONSTRUCTION

REVISIONS:

DRAWING TITLE: STANDARD DETAILS - SHEET 2

PROJECT NO.:	ISSUE DATE:
D3232200	01/14/2022
DRAWN BY: FA	CHECKED BY: PWB

SHEET NUMBER: C-907



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LICENSED LANDSCAPE ARCHITECT
BRAD ALEXANDER
LA0667399
STATE OF FLORIDA

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Associated Space Design, Inc. 2021

NO:	DATE:	REMARKS:
1	4/15/2022	ASI 01 - CONFORMED SET
0	1/14/2022	FOR PERMIT AND CONSTRUCTION

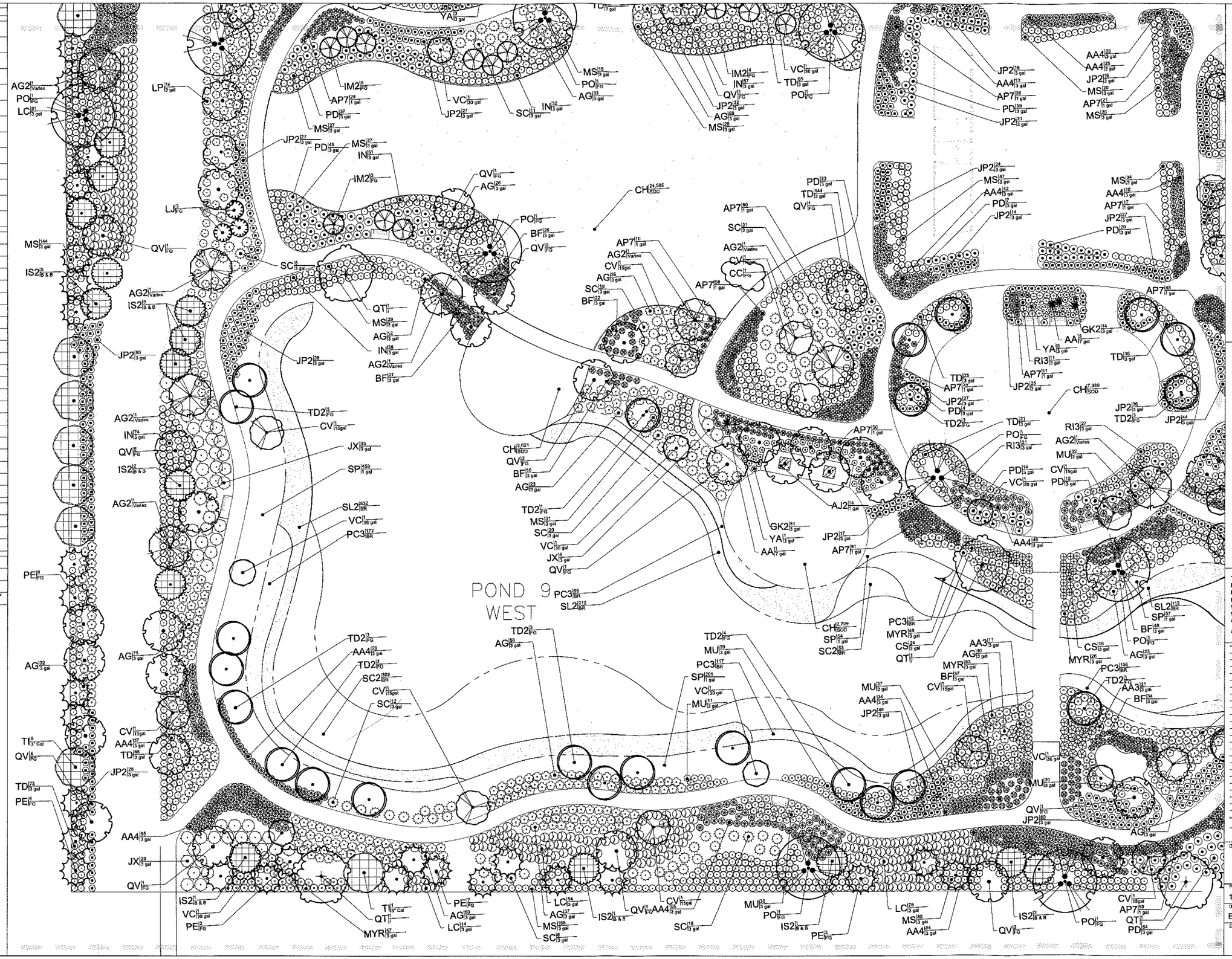
REVISIONS:

DRAWING TITLE:
LANDSCAPE PLAN - KEY
SHEET - R1

PROJECT NO.:	ISSUE DATE:
19007	01/14/2022
DRAWN BY: EZ	CHECKED BY: BA

SHEET NUMBER:
LS600

PLANT SCHEDULE		
TREES	CODE	BOTANICAL / COMMON NAME
	ASS	Acer rubrum 'Summer Red' Summer Red Maple
	CD	Cedrus deodara Deodar Cedar
	CV	Chionanthus virginicus White Fringetree
	IM2	Ilex x 'Mesgirl' Oakleaf Red Holly
	IS2	Ilex x attenuata 'Savannah' Savannah Holly
	LJ	Liquidambar styraciflua Tree Form Japanese Liquidambar
	PE	Pinus elliottii Slash Pine
	PO	Platanus occidentalis American Sycamore
	QT	Quercus laurifolia Hatteras Oak
	QV	Quercus virginiana Southern Live Oak
	TD2	Taxodium distichum Bald Cypress
	TI	Tilia x 'Green Gem' Green Gem Basswood
	VC	Vitex agnus-castus Chaste Tree
BULBS	CODE	BOTANICAL / COMMON NAME
	AG	Alocasia x gaudenica 'Calidora Green' Glossy Abyss
	APP	Agapanthus praecox orientalis Lily Of the Nile
	AA	Agave americana Century Plant
	AA3	Aspidistra Elatior 'Autumn Investment' TM Autumn Aspidistra
	AA4	Aspidistra Elatior 'Autumn Coral' TM Autumn Coral Aspidistra
	BF	Bulbine frutescens Stalked Bulbine
	CS	Caladium esculentum 'Shell-Backing' Caladium
	CV	Crinum x 'Ellen Bosanquet' Variegated Flag Lily
	GK2	Gladiolus papilionaceus 'Kevin's Hardy' Kevin's Hardy Gladiolus
	IN	Iris x 'Hanna' Dwarf Iris
	JP2	Juniperus chinensis 'Parsoni' Parsoni Juniper
	JX	Juniperus x 'Grey Owl' Grey Owl Juniper
	LC	Lampranthus citrinus Green Lampranthus
	LP	Lampranthus citrinus 'Purple Diamond' Purple Diamond Lampranthus
	MS	Miscanthus sinensis 'Adagio' Adagio Dwarf Maiden Grass
	MU	Muhlenbergia capillaris Pink Muhly
	MYR	Myrtus cerifera 'Pumila' Dwarf Wax Myrtle
	PD	Podocarpus macrophyllus 'Duwel Pillar' Duwel Podocarpus
	RI3	Rosa x 'Sir Drift' Sir Drift Rose
	SC	Serenoa repens 'Cinerea' Silver Saw Palmetto
	TD	Tripsacum dactyloides nana Dwarf Fakahatchee Grass
	YA	Yucca x filifera Alva Yucca
WETLAND PLANTS	CODE	BOTANICAL / COMMON NAME
	PCS	Pontederia cordata Pickerel Weed
	SL2	Sagittaria latifolia Lance-Leaded Arrowhead
	SCS	Scirpus cyperinus Wool Grass
	SP	Spartina pulens Salt Meadow Cord Grass
GROUND COVERS	CODE	BOTANICAL / COMMON NAME
	CN	Cynodon dactylon 'Vid Hybrid' Bermuda Grass
	PP	Paspalum notatum 'Argentina' Argentine Bahia Grass
	AJ2	Trachelospermum asiaticum 'Asiatic Asiatic Jasmine
	TJ	Trachelospermum jasminoides 'Confederate' Confederate Jasmine



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REGISTERED LANDSCAPE ARCHITECT
BRAD ALEXANDER
LA0067209
STATE OF FLORIDA

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Associated Space Design, Inc. 2021

NO:	DATE:	REMARKS:
1	4/15/2022	ASI 01 - CONFORMED SET
0	1/14/2022	FOR PERMIT AND CONSTRUCTION

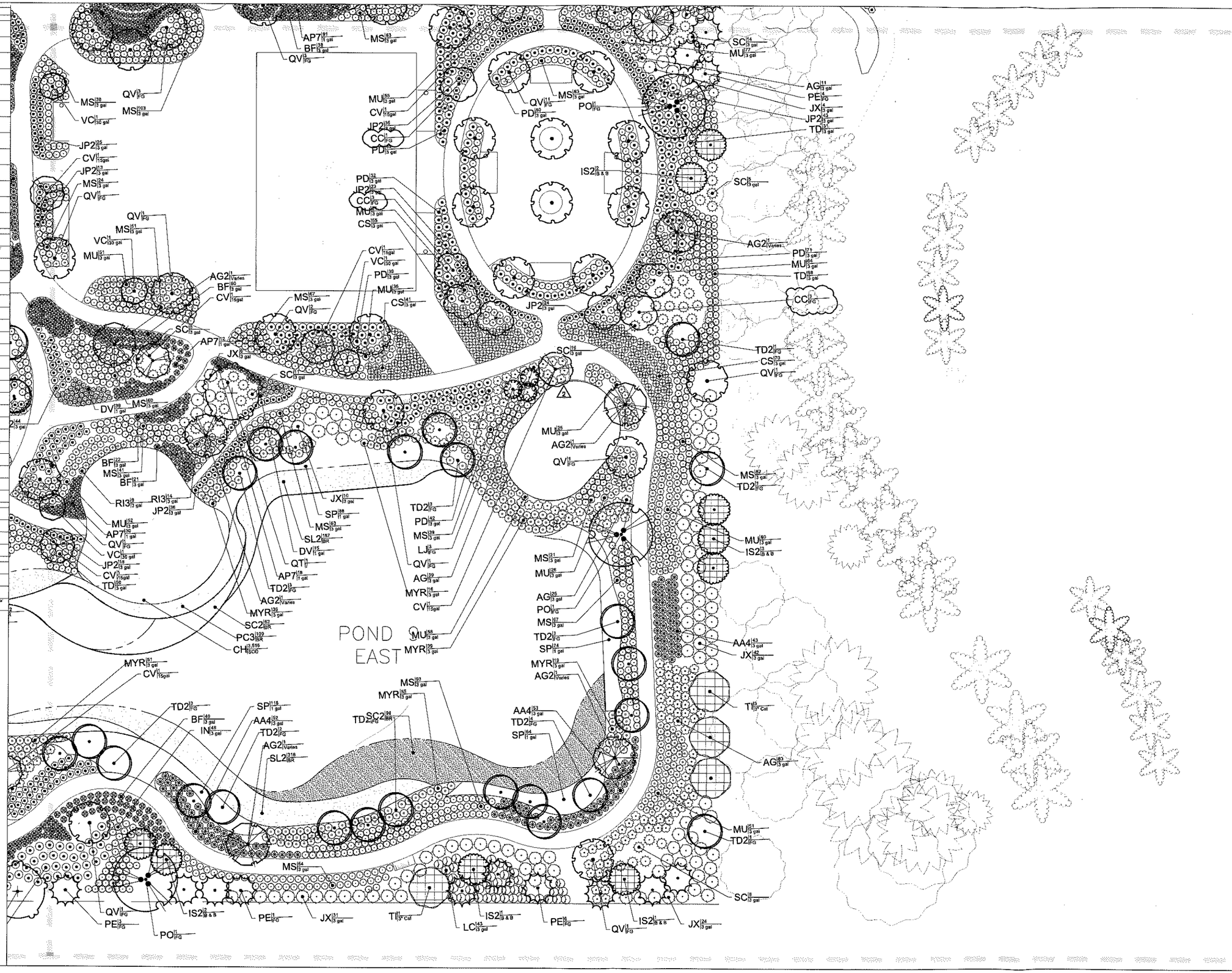
REVISIONS:

DRAWING TITLE:
LANDSCAPE - PLAN - R1

PROJECT NO.:	ISSUE DATE:
19007	01/14/2022
DRAWN BY: EZ	CHECKED BY: BA

SHEET NUMBER:
LS601

PLANT SCHEDULE		
TREES	CODE	BOTANICAL / COMMON NAME
	ACS	Acer rubrum 'Summer Red' Summer Red Maple
	CG	Cercis canadensis Eastern Redbud
	CV	Chionanthus virginicus White Fringetree
	IMH	Ilex x 'Mesgirl' Oakland Red Holly
	ISZ	Ilex x attenuata 'Savannah' Savannah Holly
	LJ	Ligustrum japonicum Tree Form Japanese Ligustrum
	PE	Pinus elliotii Slash Pine
	PO	Platanus occidentalis American Sycamore
	QT	Quercus texana Nuttall Oak
	QV	Quercus virginiana Southern Live Oak
	TDS	Taxodium distichum Bald Cypress
	TI	Tilia x 'Green Glen' Green Glen Arborvitae
	VC	Vitex agnus-castus Chaste Tree
SHRUBS	CODE	BOTANICAL / COMMON NAME
	AG	Abelia x grandiflora 'Canyon Creek' Glossy Abelia
	AP7	Agapanthus praecox orientalis 'Baby Blue' Lily Of The Nile
	AA	Agave americana Century Plant
	AA3	Aloe x 'Autumn Amethyst' TM Autumn Amethyst Aloe
	AA4	Aloe x 'Autumn Coral' TM Autumn Coral Aloe
	BF	Bulbine frutescens Stalked Bulbine
	CS	Camellia sasanqua 'Shishi-Gashira' Camellia
	DV	Dianella tasmanica 'Variegata' Variegated Flax Lily
	DV2	Gardenia jasminoides 'Kleim's Hardy' Kleim's Hardy Gardenia
	IN	Ilex vomitoria 'Nana' Dwarf Yaupon
	JP2	Juniperus chinensis 'Parsoni' Parsoni Juniper
	JX	Juniperus x 'Grey Owl' Grey Owl Juniper
	LC	Lantana camara Green Lantana
	LP	Lampranthus x'Purple Diamond' Purple Diamond Lampranthus
	MS	Miscanthus sinensis 'Adagio' Adagio Eulalia Grass
	MU	Muhlenbergia capillaris Pink Muhly
	MYR	Myrtus cerifera 'Pumila' Dwarf Wax Myrtle
	PD	Pennisetum massiphylum 'Dwarf Fireworks' Dwarf Fountaingrass
	RG	Rosa x 'Ice Drift' Ice Drift Rose
	SC	Serenoa repens 'Cinerea' Silver Saw Palmetto
	TD	Tripsacum dactyloides nana Dwarf Fakahatchee Grass
	YA	Yucca aloifolia Aloe Yucca
WETLAND PLANTS	CODE	BOTANICAL / COMMON NAME
	PCS	Pontederia cordata Pickerel Weed
	SL2	Sagittaria latifolia Lance-Leafed Arrowhead
	SC2	Scirpus californicus California Bulrush
	SP	Spartina pectinata Bell Meadow Cord Grass
GROUND COVERS	CODE	BOTANICAL / COMMON NAME
	CD	Cynodon dactylon 'CD TUFTUF' Bermuda Grass
	PP	Paspalum notatum 'Argentine' Argentine Bahia Grass
	AJ2	Trachelospermum asiaticum 'Adachi' Adachi Jasmine
	TC	Trachelospermum jasminoides 'Confederate' Confederate Jasmine



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REGISTERED LANDSCAPE ARCHITECT BRAD ALEXANDER LA6667399 STATE OF FLORIDA

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NO:	DATE:	REMARKS:
3	4/15/2022	ASI 01 - CONFORMED SET
2	2/21/2022	ADDENDUM #2
1	1/14/2022	FOR PERMIT AND CONSTRUCTION

REVISIONS:

DRAWING TITLE:
LANDSCAPE - PLAN - R3

PROJECT NO.:	ISSUE DATE:
19007	01/14/2022
DRAWN BY: EZ	CHECKED BY: BA

SHEET NUMBER:
LS602

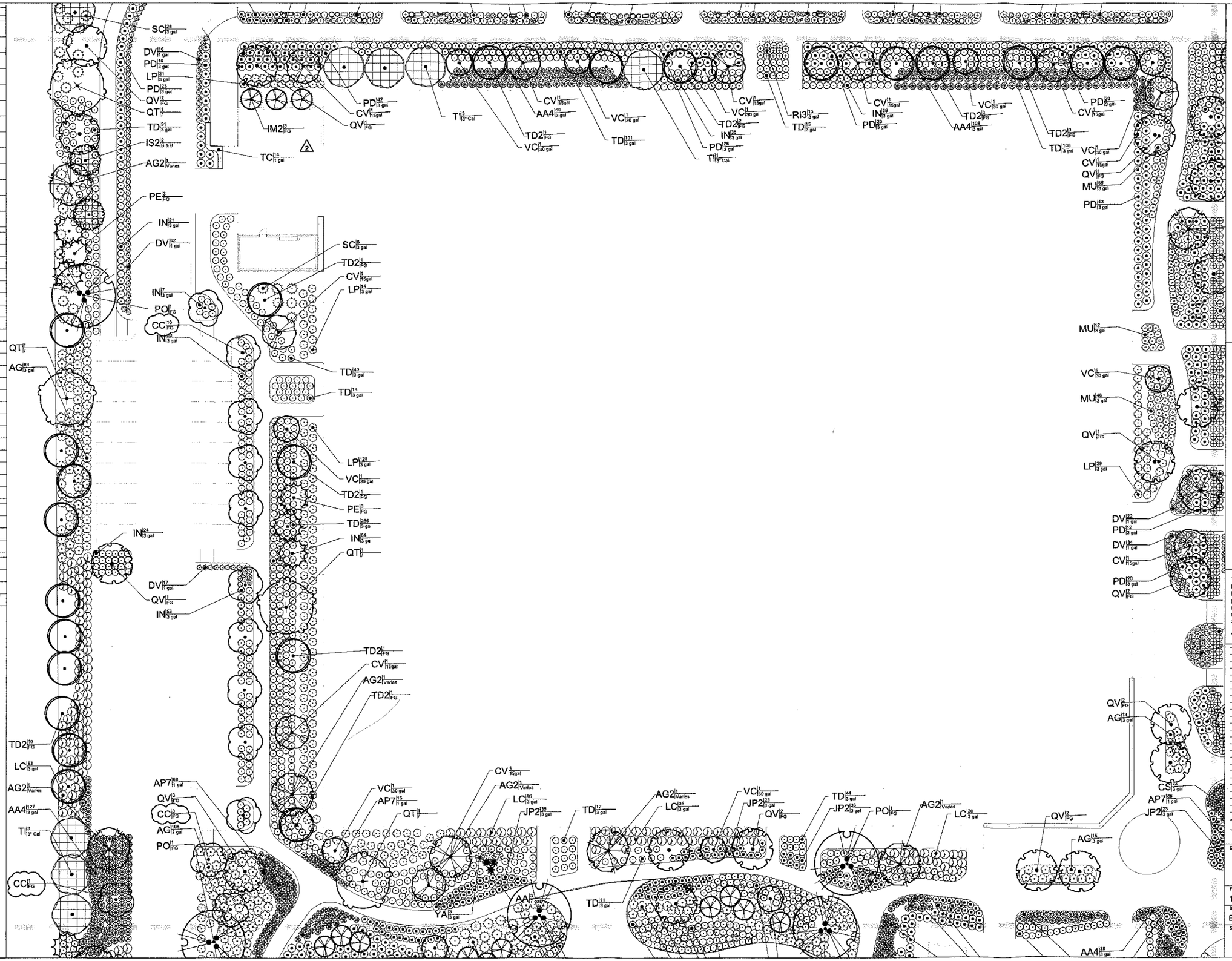
PLANT SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME
	AGS	Acer saccharum 'Bonfire' Bonfire Red Maple
	CD	Cercis canadensis Eastern Redbud
	CV	Chamaecyparis obtusa White Fitzgerbo
	IM2	Ilex x 'Mesgoof' Oakleaf Red Holly
	IS2	Ilex x attenuata 'Savannah' Savannah Holly
	LJ	Liquidambar formosana Tree Form Japanese Liquidamb.
	PE	Pinus elliotii Slash Pine
	PO	Platanus occidentalis American Sycamore
	QT	Quercus laurifolia Laurel Oak
	QV	Quercus virginiana Southern Live Oak
	TD2	Taxodium distichum Bald Cypress
	TI	Thuja x 'Green Giant' Green Giant Arborvitae
	VC	Vitex agnus-castus Chaste Tree

SHRUBS	CODE	BOTANICAL / COMMON NAME
	AG	Abelia x grandiflora 'Canyon Creek' Canyon Creek Abelia
	APY	Agapanthus praecox orientalis 'Baby Blue' Lily Of The Nile
	AA	Agave americana Century Plant
	AA3	Azalea Encore 'Autumn Amethyst' TM Autumn Amethyst Azalea
	AA4	Azalea Encore 'Autumn Coral' TM Autumn Coral Azalea
	BF	Bulbine frutescens Stalked Bulbine
	CJ	Camellia sasanqua 'Shishi-Gashira' Camellia
	DV	Dianella tasmanica 'Variegata' Variegated Flax Lily
	GX2	Gardenia jasminoides 'Kleim's Hardy' Kleim's Hardy Gardenia
	IN	Ilex vomitoria 'Nana' Dwarf Yaupon
	JP2	Juniperus chinensis 'Parsonii' Parsonii Juniper
	JX	Juniperus x 'Grey Owl' Grey Owl Juniper
	LC	Lonicera chinensis Green Lonicera/vine
	LP	Liriopsis chinensis 'Purple Diamond' Purple Diamond Lemonskulch
	MS	Miscanthus sinensis 'Adagio' Adagio Eulalia Grass
	MU	Muhlenbergia capillaris Pink Muhly
	MYR	Myrica cerifera 'Pumila' Dwarf Wax Myrtle
	PD	Podocarpus macrophyllus 'Dwarf Pringles' Dwarf Podocarpus
	RI3	Rosa x 'Icy Drift' Icy Drift Rose
	SC	Serenoa repens 'Cinerea' Silver Saw Palmetto
	TD	Tripsacum dactyloides nana Dwarf Fakahatchee Grass
	YA	Yucca aloifolia Aloe Yucca

WETLAND PLANTS	CODE	BOTANICAL / COMMON NAME
	PCO	Pontederia cordata Pickerel Weed
	SLZ	Sagittaria latifolia Lance-Leaved Arrowhead
	DCZ	Dichromena colorata Starrhorse Sedge
	EP	Eleocharis parvula Dwarf Spikerush

GROUND COVERS	CODE	BOTANICAL / COMMON NAME
	CH	Cynodon dactylon '419 Hybrid' Bermuda Grass
	PP	Paspalum notatum 'Argentine' Argentine Bahia Grass
	AJ2	Trachelospermum asiaticum 'Asiatic' Asiatic Jasmine
	TC	Trachelospermum jasminoides 'Confederate' Confederate Jasmine



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REGISTERED LANDSCAPE ARCHITECT
BRADFORD ALEXANDER
LA0667399
STATE OF FLORIDA

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Associated Space Design, Inc. 2021

NO:	DATE:	REMARKS:
3	4/15/2022	ASI 01 - CONFORMED SET
2	2/21/2022	ADDENDUM #2
0	1/14/2022	FOR PERMIT AND CONSTRUCTION

REVISIONS:

DRAWING TITLE:
LANDSCAPE - PLAN - R3

PROJECT NO.:	ISSUE DATE:
19007	01/14/2022
DRAWN BY: EZ	CHECKED BY: BA

SHEET NUMBER:
LS603

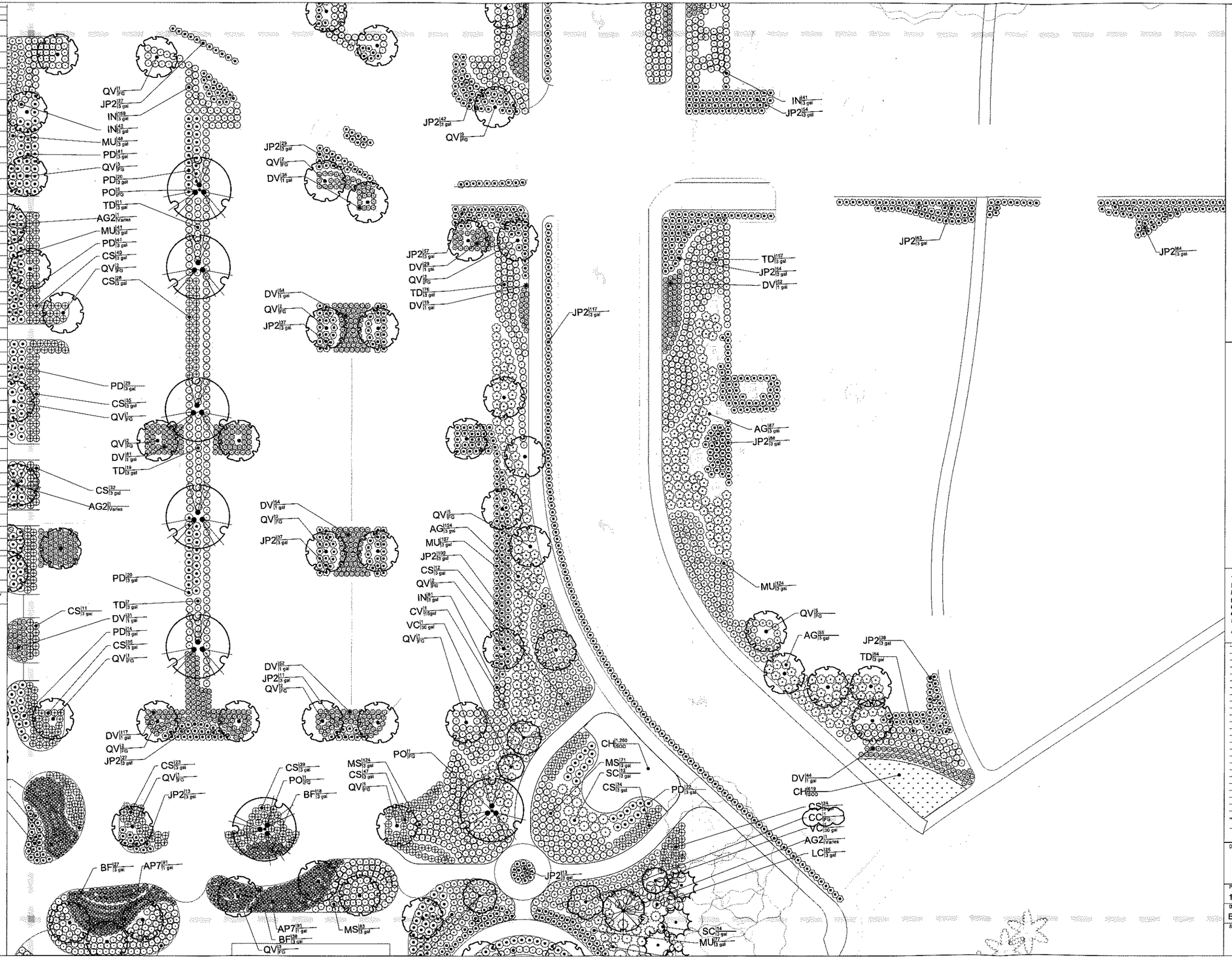
PLANT SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME
	AG2	Acer rubrum 'Summer Red' Summer Red Maple
	CC	Cercis canadensis Eastern Redbud
	CV	Chionanthus virginicus White Fringetree
	IN2	Ilex x 'Mesdarf' Oakland Red Holly
	IS2	Ilex x aquifolium 'Savannah' American Holly
	LJ	Ligustrum japonicum Tree Form Japanese Ligustrum
	PE	Pinus elliotii Slash Pine
	PO	Platanus occidentalis American Sycamore
	QT	Quercus laurifolia Hudsel Oak
	QV	Quercus virginiana Southern Live Oak
	TD2	Taxodium distichum Bald Cypress
	TI	Thuja x 'Green Giant' Green Giant Arborvitae
	VC	Vitex agnus-castus Chaste Tree

SHRUBS	CODE	BOTANICAL / COMMON NAME
	AG	Aloe x ferox/ferox 'Cooper Creek' Glossy Aloe
	APP	Agapanthus praecox orientalis 'Baby Blue' Lily Of The Nile
	AA	Agave americana Century Plant
	AA3	Azalea Encore 'Autumn Amethyst' TM Autumn Amethyst Azalea
	AA4	Azalea Encore 'Autumn Carol' TM Autumn Carol Azalea
	BF	Bulbine frutescens Stalked Bulbine
	CS	Camellia sasanqua 'Shishi-Gashira' Camellia
	DV	Dasylirion texanum 'Verdugo' Verdugo Flax Lily
	GK2	Gardenia jasminoides 'Kimmi' x Kimmi Kimmi x Kimmi Gardenia
	IN	Ilex vomitoria 'Nana' Dwarf Yaupon
	JPG	Juniperus chinensis 'Pfitzer' Pfitzer Juniper
	JK	Juniperus x. 'Grey Owl' Grey Owl Juniper
	LC	Leucophyllum ciliatum Green Leatherleaf
	LP	Lampadium chinense 'Purple Diamond' Purple Diamond Lampadium
	MS	Miscanthus sinensis 'Adagio' Adagio Eulalia Grass
	MU	Muhlenbergia capillaris Pink Muhly
	MYR	Myrica cerifera 'Pumila' Dwarf Wax Myrtle
	PD	Pennisetum orientalis 'Dwarf Fountain' Dwarf Fountain
	RB3	Rosa x 'Hy Ontario' Hy Ontario Rose
	SC	Serenoa repens 'Cinerea' Silver Saw Palmetto
	TO	Tripsacum dactyloides nana Dwarf Fakahatchee Grass
	YA	Yucca aloifolia Aloe Yucca

WETLAND PLANTS	CODE	BOTANICAL / COMMON NAME
	PCS	Pontederia cordata Pickerel Weed
	SL2	Sagittaria latifolia Lance-Leafed Arrowhead
	SC2	Scirpus cyperinus Wool Grass
	SP	Spartina patens Salt Meadow Cord Grass

GROUND COVERS	CODE	BOTANICAL / COMMON NAME
	CH	Cynodon dactylon '419 Hybrid' Bermuda Grass
	FP	Paspalum notatum 'Argentine' Argentine Bahia Grass
	AJS	Trachelospermum asiaticum 'Asiatic' Asiatic Jasmine
	TC	Trachelospermum jasminoides 'Confederate' Confederate Jasmine



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Jerry Pate Design

LICENSED LANDSCAPE ARCHITECT
BRAD ALEXANDER
LA0667399
STATE OF FLORIDA

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Associated Space Design, Inc. 2021

NO:	DATE:	REMARKS:
1	4/15/2022	ASI 01 - CONFORMED SET
9	1/14/2022	FOR PERMIT AND CONSTRUCTION

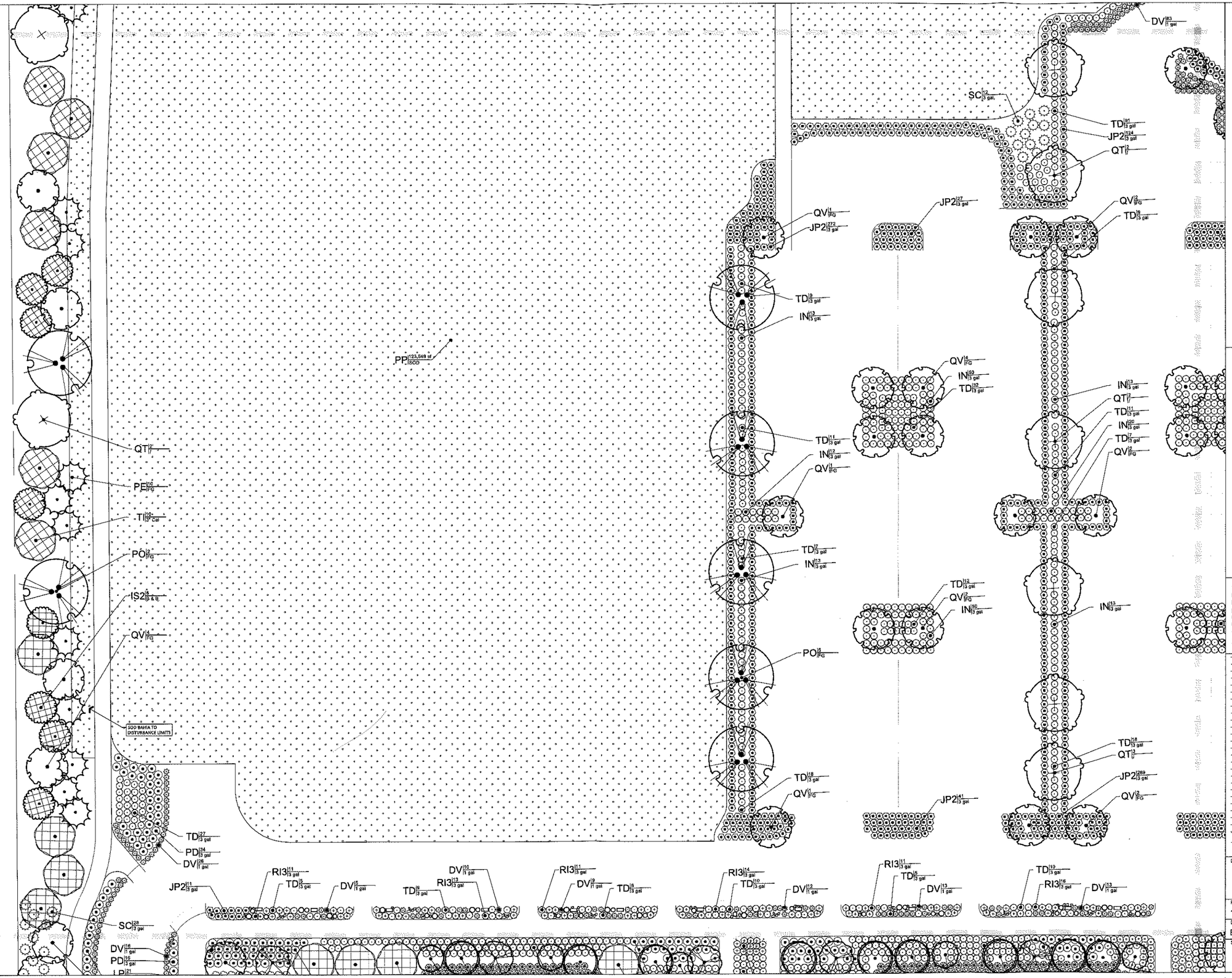
REVISIONS:

DRAWING TITLE:
LANDSCAPE - PLAN - R1

PROJECT NO.:	ISSUE DATE:
19007	01/14/2022
DRAWN BY: EZ	CHECKED BY: BA

SHEET NUMBER:
LS604

PLANT SCHEDULE		
TREES	CODE	BOTANICAL / COMMON NAME
	AC2	Acer rubrum 'Summer Red' Summer Red Maple
	CO	Cercis canadensis Eastern Redbud
	CV	Chionanthus virginicus White Fringetree
	IN2	Ilex x 'Nellie R' Oakland Red Holly
	IS2	Ilex x attenuata 'Savannah' Savannah Holly
	LJ	Liquidiumbar styraciflua Lime Form Japanese Liquidiumbar
	PE	Pinus elliottii Slash Pine
	PO	Platanus occidentalis American Sycamore
	QT	Quercus laurifolia Hunter Oak
	QV	Quercus virginiana Southern Live Oak
	TDL	Taxodium distichum Bald Cypress
	TI	Tilia x 'Green Gem' Green Gem Arborvitae
	VC	Vitex agnus-castus Chaste Tree
SHRUBS	CODE	BOTANICAL / COMMON NAME
	AG	Abelia x grandiflora 'Canyon Creek' Canyon Creek Abelia
	AP2	Agapanthus praecox orientalis 'Baby Blue Lily Of The Nile'
	AA	Agave americana Century Plant
	AA3	Agave Encore 'Autumn Amethyst' TM Autumn Amethyst Agave
	AAH	Agave Encore 'Autumn Coral' TM Autumn Coral Agave
	BF	Bulbine frutescens Stalked Bulbine
	CS	Camellia sasanqua 'Shishi-Gashira' Camellia
	DV	Dianella tasmanica 'Variegata' Variegated Flax Lily
	GR2	Gardenia jasminoides 'Klein's Hardy Kidd' a Hardy Gardenia
	IN	Ilex vomitoria 'Nana' Dwarf Yaupon
	JP2	Juniperus chinensis 'Parsoni' Parsoni Juniper
	JX	Juniperus x 'Grey Owl' Grey Owl Juniper
	LC	Lampranthus citrinus Green Lampranthus
	LP	Lampranthus aduncus 'Purple Diamond' Purple Diamond Lampranthus
	MS	Miscanthus sinensis 'Adagio' Adagio Dwarf Grass
	NM	Nandina domestica Pink Mulch
	MYR	Myrtus cerifera 'Pumila' Dwarf Wax Myrtle
	PD	Podocarpus macrophyllus 'Dwarf Pringles' Dwarf Podocarpus
	RG	Rosa x 'Icy Drift' Icy Drift Rose
	SC	Sabalus repens 'Cinerea' Silver Saw Palmetto
	TD	Tripsacum dactyloides nana Dwarf Fakahatchee Grass
	YA	Yucca aloifolia Aloe Yucca
WETLAND PLANTS	CODE	BOTANICAL / COMMON NAME
	PCG	Pontederia cordata Pickerel Weed
	SL2	Saururus cernuus Lizard's Tail/Lizard Swamp Weed
	SCG	Spartina cynosuroides Cattgrass Bulrush
	SP	Spartina patens Salt Meadow Cord Grass
GROUND COVERS	CODE	BOTANICAL / COMMON NAME
	CH	Cynodon dactylon '419 Hybrid' Bermuda Grass
	PP	Paspalum notatum 'Argentine' Argentine Bahia Grass
	AJ2	Trachelospermum asiaticum 'Asiatic' Asiatic Jasmine
	TC	Trachelospermum jasminoides 'Confederate' Confederate Jasmine



1 IN = 20 FT

0 10' 20' 40'

GRAPHIC SCALE

NORTH

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REGISTERED LANDSCAPE ARCHITECT
BRAD ALEXANDER
LA0667399
STATE OF FLORIDA

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NO:	DATE:	REMARKS:
1	4/15/2022	ASI 01 - CONFORMED SET
9	1/14/2022	FOR PERMIT AND CONSTRUCTION

REVISIONS:

DRAWING TITLE:

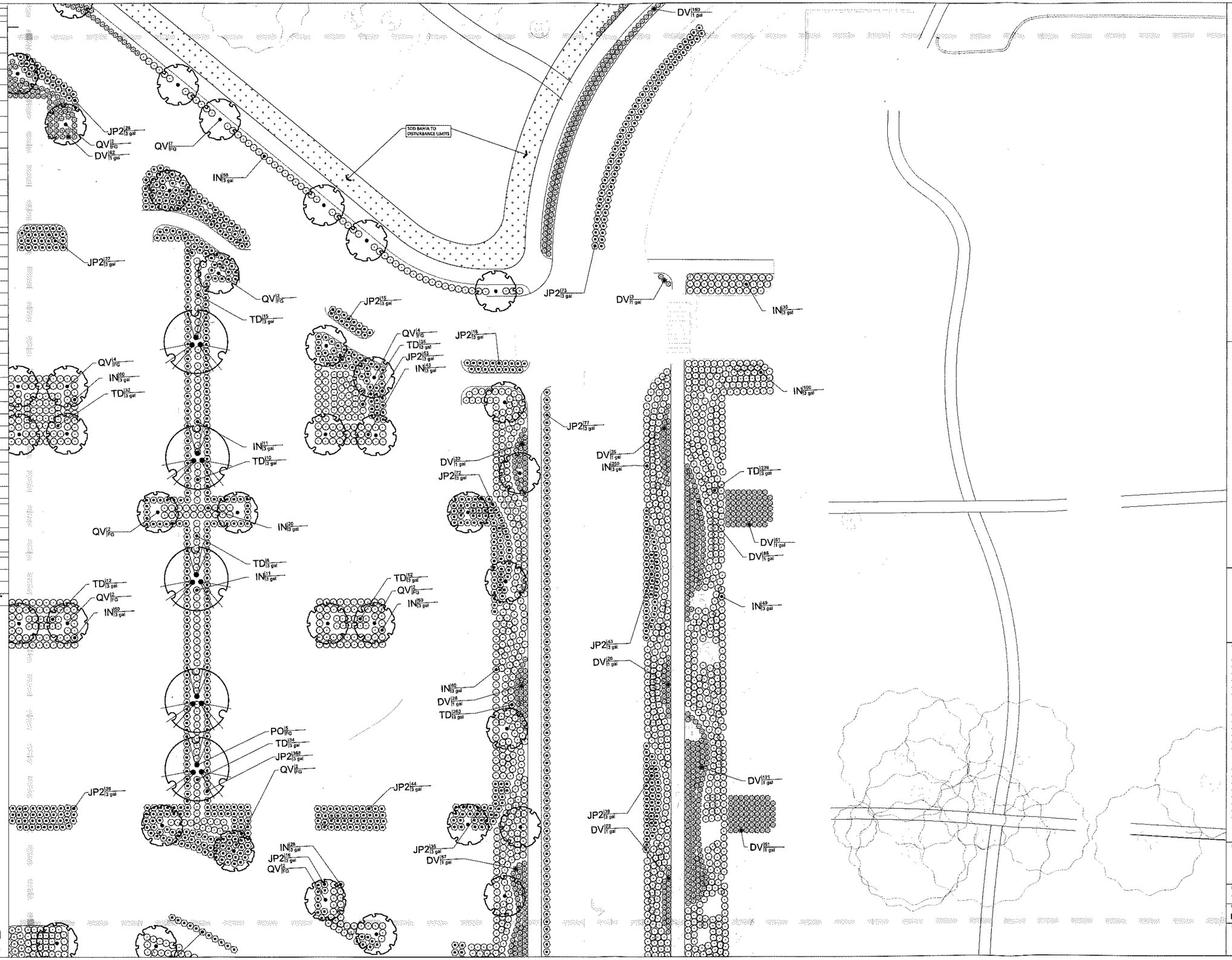
LANDSCAPE - PLAN - R1

PROJECT NO.:	ISSUE DATE:
19007	01/14/2022
DRAWN BY: EZ	CHECKED BY: BA

SHEET NUMBER:

LS605

PLANT SCHEDULE		
TREES	CODE	BOTANICAL / COMMON NAME
	ACD	Acer rubrum 'Summer Red' Summer Red Maple
	CO	Cercis canadensis Eastern Redbud
	CV	Chionanthus virginicus White Fringetree
	IM2	Ilex x 'Mesgirl' Oakland Red Holly
	IS2	Ilex x attenuata 'Savannah' Savannah Holly
	LJ	Liquidiumbar styraciflua Tree Form Japanese Liquidiumbar
	PE	Pinus elliotii Slash Pine
	PO	Platanus occidentalis American Sycamore
	QT	Quercus texana Nuttall Oak
	QV	Quercus virginiana Southern Live Oak
	TDS	Taxodium distichum Bald Cypress
	TI	Tilia x 'Green Glen' Green Glen Linden
	VC	Vitex agnus-castus Chaste Tree
SHRUBS	CODE	BOTANICAL / COMMON NAME
	AG	Abelia x grandiflora 'Canyon Creek' Canyon Creek Abelia
	APY	Agapanthus praecox orientalis 'Baby Blue' Lily Of The Nile
	AA	Agave americana Century Plant
	AA3	Azalea Encore 'Autumn Amethyst' TM Autumn Amethyst Azalea
	AAA	Azalea Encore 'Autumn Coral' TM Autumn Coral Azalea
	BF	Bulbine frutescens Stalked Bulbine
	CJ3	Camellia sasanqua 'Shishi-Gashira' Camellia
	DV	Dianella tasmanica 'Variegata' Variegated Flax Lily
	GK2	Gardenia jasminoides 'Kleim's Hardy' Kleim's Hardy Gardenia
	IN	Ilex vomitoria 'Nana' Dwarf Yaupon
	JP2	Juniperus chinensis 'Pfitzer2' Pfitzer2 Juniper
	JK	Juniperus x 'Grey Owl' Grey Owl Juniper
	LC	Lomandra obliqua Green Lomandra
	LP	Liriopsis chinensis 'Purple Diamond' Purple Diamond Lirriopsis
	MS	Miscanthus sinensis 'Adagio' Adagio Eulalia Grass
	MU	Muhlenbergia capillaris Pink Muhly
	MYR	Myrica cerifera 'Pumila' Dwarf Wax Myrtle
	PO	Podocarpus macrophyllus 'Dwarf Pringles' Dwarf Podocarpus
	RG3	Rosa x 'Joy Drift' Joy Drift Rose
	SO	Serenoa repens 'Cinerea' Silver Saw Palmetto
	TD	Tripsacum dactyloides nana Dwarf Fakahatchee Grass
	YA	Yucca aloifolia Aloe Yucca
WETLAND PLANTS	CODE	BOTANICAL / COMMON NAME
	PC3	Pontederia cordata Pickerel Weed
	SL2	Sagittaria latifolia Lance-Leafed Arrowhead
	SC3	Scirpus cyperinus Wool Grass
	SP	Spartina patens Salt Meadow Cord Grass
GROUND COVERS	CODE	BOTANICAL / COMMON NAME
	CD	Cynodon dactylon 419 hybrid Bermuda Grass
	PP	Paspalum notatum 'Argentine' Argentine Bahia Grass
	AJ2	Trachelospermum asiaticum 'Asiatic' Asiatic Jasmine
	TC	Trachelospermum jasminoides 'Confederate' Confederate Jasmine



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REGISTERED LANDSCAPE ARCHITECT
JERRY ALEXANDER PATE
LA0667399
STATE OF FLORIDA

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NO:	DATE:	REMARKS:
1	4/15/2022	ASI 31 - CONFORMED SET
6	1/14/2022	FOR PERMIT AND CONSTRUCTION

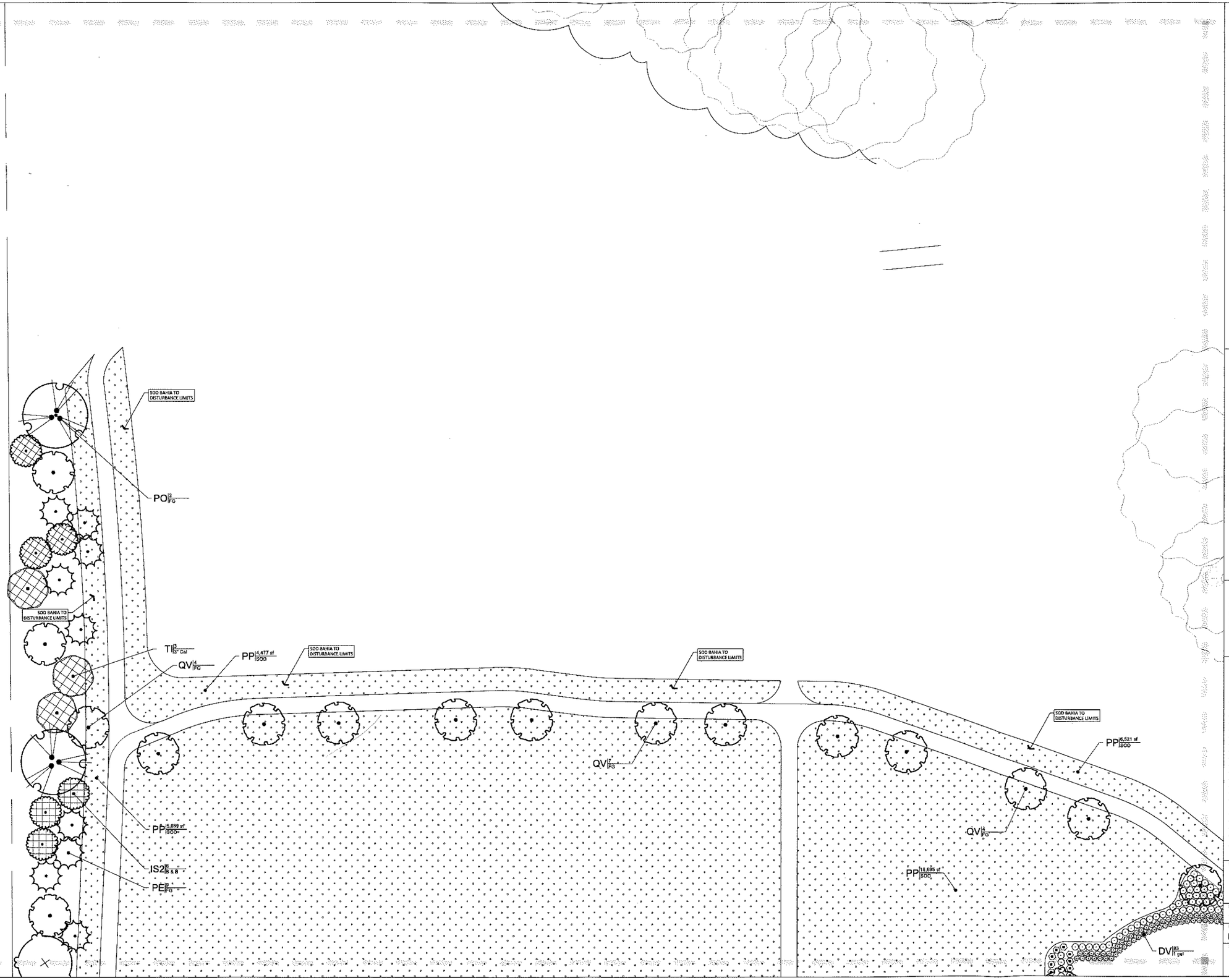
REVISIONS:

DRAWING TITLE:
LANDSCAPE - PLAN - R1

PROJECT NO.:	ISSUE DATE:
19007	01/14/2022
DRAWN BY:	CHECKED BY:
EZ	BA

SHEET NUMBER:
LS606

PLANT SCHEDULE		
TREES	CODE	BOTANICAL / COMMON NAME
	ACG	Acer rubrum 'Summer Red' Summer Red Maple
	CC	Cercis canadensis Eastern Redbud
	CV	Chionanthus virginicus White Fringetree
	IaG	Ilex x 'Mesleri' Oakland Red Holly
	IGZ	Ilex x attenuata 'Savannah' Savannah Holly
	LJ	Ligustrum lucidum Tree Form Japanese Ligustrum
	PE	Pinus elliottii Slash Pine
	PO	Platanus occidentalis American Sycamore
	QT	Quercus laurifolia Swamp Laurel Oak
	QV	Quercus virginiana Southern Live Oak
	TDS	Taxodium distichum Bald Cypress
	TI	Thuja x 'Green Giant' Green Giant Arborvitae
	VC	Vitex agnus-castus Chaste Tree
SHRUBS	CODE	BOTANICAL / COMMON NAME
	AG	Abelia x grandiflora 'Canyon Creek' Glossy Abelia
	APT	Agapanthus praecox orientalis 'Baby Blue' Lily Of The Nile
	AA	Agave americana Century Plant
	AAJ	Azalea Encore 'Autumn Amethyst' TM Autumn Amethyst Azalea
	AAF	Azalea Encore 'Autumn Coral' TM Autumn Coral Azalea
	BF	Buddleia fulgoraria Stalked Buddleia
	CS	Camellia sasanqua 'Shishi-Gashira' Camellia
	DV	Dasylirion texanum 'Vestayaca' Vestayaca Flax Lily
	GKZ	Gardenia jasminoides 'Klein's Hardy Gem' Klein's Hardy Gardenia
	IN	Ilex vomitoria 'Nana' Dwarf Yaupon
	JPC	Juniperus chinensis 'Pfitzerana' Pfitzer Juniper
	JX	Juniperus x 'Grey Owl' Grey Owl Juniper
	LG	Loropetalum chinense Green Loropetalum
	LP	Loropetalum chinense 'Purple Diamond' Purple Diamond Loropetalum
	MS	Miscanthus sinensis 'Adagio' Adagio Eulalia Grass
	MV	Muhlenbergia capillaris Pink Muhly
	MYR	Myrica cerifera 'Pumila' Dwarf Wax Myrtle
	PD	Pennisetum macrophyllum 'Dwarf Fountain' Dwarf Fountain Grass
	RG	Rosa x 'Icy Drift' Icy Drift Rose
	SC	Serenoa repens 'Cinerea' Silver Saw Palmetto
	TD	Tripsacum dactyloides nana Dwarf Fakahatchee Grass
	YA	Yucca aloifolia Aloe Yucca
WETLAND PLANTS	CODE	BOTANICAL / COMMON NAME
	PCO	Pontederia cordata Pickerel Weed
	SLS	Sagittaria latifolia Lance-Leaded Arrowhead
	SC2	Scirpus cali/fornicus Bulltongue Bulrush
	SP	Spartina patens Salt Meadow Cord Grass
GROUND COVERS	CODE	BOTANICAL / COMMON NAME
	CH	Cynodon dactylon '419 Hybrid' Bermuda Grass
	EP	Paspalum notatum 'Argentine' Argentine Bahia Grass
	AJL	Trachelospermum asiaticum 'Asiatic Jasmine' Asiatic Jasmine
	TC	Trachelospermum jasminoides 'Confederate' Confederate Jasmine



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REGISTERED LANDSCAPE ARCHITECT BRAD ALEXANDER LA0667399 STATE OF FLORIDA

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NO:	DATE:	REMARKS:
1	4/15/2022	ASI 01 - CONFORMED SET
0	1/14/2022	FOR PERMIT AND CONSTRUCTION

REVISIONS:

DRAWING TITLE:
LANDSCAPE - PLAN - R1

PROJECT NO.:	ISSUE DATE:
19007	01/14/2022
DRAWN BY: EZ	CHECKED BY: BA

SHEET NUMBER:
LS607

PLANT SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME
	ASS	Acer rubrum 'Summer Red' Summer Red Maple
	CC	Cercis canadensis Eastern Redbud
	CV	Chionanthus virginicus White Fringetree
	IM2	Ilex x 'Mesland' Oakleaf Red Holly
	IS2	Ilex x attenuata 'Savannah' Savannah Holly
	LJ	Liquidum japonicum Tree Form Japanese Liquidum
	PE	Pinus elliotii Slash Pine
	PO	Platanus occidentalis American Sycamore
	QT	Quercus texana Nuttall Oak
	QV	Quercus virginiana SlimMom Live Oak
	TDS	Taxodium distichum Bald Cypress
	TI	Tilia x 'Green Giant' Green Giant Arborvitae
	VC	Vitex agnus-castus Chaste Tree

SHRUBS	CODE	BOTANICAL / COMMON NAME
	AG	Abelia x grandiflora 'Canyon Creek' Glossy Abelia
	APT	Agapanthus praecox orientalis 'Baby Blue' Lily Of The Nile
	AA	Agave attenuata Century Plant
	AAG	Aloe x Emerald 'Autumn Amethyst' TM Autumn Amethyst Aloe
	AAM	Aloe x Emerald 'Autumn Coral' TM Autumn Coral Aloe
	BF	Bulbine frutescens Stalked Bulbine
	CS	Camellia sasanqua 'Shishi-Gashira' Camellia
	DV	Dracaena fragrans 'Warneckii' Variegated Flax Lily
	GH2	Gardenia jasminoides 'Kleim's Hardy' Kleim's Hardy Gardenia
	IN	Ilex vomitoria 'Nana' Dwarf Yaupon
	JPL	Juniperus chinensis 'Parsonii' Parsons Juniper
	JK	Juniperus x 'Grey Owl' Grey Owl Juniper
	LC	Liriope muscari cliffordiana Green Lirriopeskum
	LP	Liriopeskum cliffordiana 'Purple Diamond' Purple Diamond Lariopeskum
	MS	Muhlenbergia capillaris 'Adagio' Adagio Gulfmhl Grass
	MR	Muhlenbergia capillaris Pink Muhly
	MYR	Myrtus cerotina 'Pumila' Dwarf Wax Myrtle
	PO	Podocarpus macrophyllus 'Dwarf Pringles' Dwarf Podocarpus
	RG	Rosa x 'Ice Drift' Ice Drift Rose
	SC	Serenoa repens 'Cinerea' Silver Saw Palmetto
	TD	Tripsacum dactyloides nana Dwarf Fakahatchee Grass
	YA	Yucca aloifolia Aloe Yucca

WETLAND PLANTS	CODE	BOTANICAL / COMMON NAME
	PCS	Pontederia cordata Pickerel Weed
	SLZ	Sagittaria latifolia Lance-Leaved Arrowhead
	SCS	Scirpus californicus California Bulrush
	SP	Spartina patens Salt Meadow Cord Grass

GROUND COVERS	CODE	BOTANICAL / COMMON NAME
	CH	Cynodon dactylon '419 Hybrid' Bermuda Grass
	EP	Paspalum notatum 'Argentine' Argentine Bahia Grass
	AJS	Trachelospermum asiaticum 'Asiatic' Asiatic Jasmine
	TC	Trachelospermum jasminoides 'Confederate' Confederate Jasmine

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REGISTERED LANDSCAPE ARCHITECT
BRAD ALEXANDER
LA0667399
STATE OF FLORIDA

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NO:	DATE:	REMARKS:
1	4/15/2022	ASI 01 - CONFORMED SET
9	1/14/2022	FOR PERMIT AND CONSTRUCTION

REVISIONS:

DRAWING TITLE:
LANDSCAPE - PLAN - R1

PROJECT NO.:	ISSUE DATE:
19007	01/14/2022
DRAWN BY: EZ	CHECKED BY: BA

SHEET NUMBER:
LS608

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PLANS AND WRITTEN NOTES. NO SUBSTITUTIONS SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL BY THE LANDSCAPE ARCHITECT, JERRY PATE DESIGN.
2. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB. THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED OF ANY VARIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THE PLANS.
3. LANDSCAPE MATERIALS SHALL BE ADJUSTED IN THE FIELD TO AVOID CONFLICTS WITH ANY PROPOSED OR REMAINING UTILITY STRUCTURES, DRAINAGE STRUCTURES, DITCHES, UNDER DRAINS, DITCH BLOCKS, STORM WATER FACILITIES AND DRAINAGE DISCHARGE PATHS, EXISTING SIGNAGE, AND EXISTING LIGHTING AND THEIR APPURTENANCES. THE CONTRACTOR SHALL NOT INSTALL THE PROPOSED IMPROVEMENTS IF A CONFLICT EXISTS. ANY COSTS TO REMOVE AND/OR REPAIR WORK ADJUSTED THAT HAS NOT BEEN APPROVED PREVIOUSLY BY THE LANDSCAPE ARCHITECT SHALL BE AT THE CONTRACTOR'S EXPENSE.
4. LANDSCAPE IMPROVEMENTS SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE MOST CURRENT FDOT STANDARD SPECIFICATION 580, AND ANY OTHER PLANTING SPECIFICATIONS INCLUDED IN THE CONSTRUCTION DOCUMENTS.
5. PLANT QUANTITIES SHOWN ON THE LANDSCAPE PLAN ARE MINIMUM ONLY. THE CONTRACTOR IS RESPONSIBLE FOR THE CONTRACTOR'S OWN QUANTITY TAKE-OFF, AND SHALL PROVIDE ALL PLANT MATERIAL REQUIRED TO FILL THE PLANTING BEDS AT THE SPACING INDICATED ON THE PLANTING LEGEND.
6. PLANTING FOR ALL PLANT MATERIAL AND THE PROTECTION OF EXISTING TREES TO REMAIN SHALL BE IN ACCORDANCE WITH THE MOST CURRENT FDOT DESIGN STANDARD INDEX 987, AND THE DETAILS IN THE CONSTRUCTION DOCUMENTS.
7. THE CONTRACTOR SHALL ENSURE THAT, PRIOR TO MOVING ON SITE, ALL EQUIPMENT WHICH LAST OPERATED IN PLACES KNOW TO BE INFESTED WITH NOXIOUS WEEDS IS FREE OF SOIL, SEEDS, VEGETATIVE MATTER, OR OTHER DEBRIS THAT COULD CONTAIN OR HOLD SEEDS.
8. THE CONTRACTOR SHALL NOT BRING ANY HAZARDOUS MATERIALS ONTO THE JOB SITE. IF THE CONTRACTOR NEEDS HAZARDOUS MATERIALS TO PERFORM THE CONTRACTED WORK, THE CONTRACTOR SHALL REQUEST, IN WRITING, ADVANCE PERMISSION FROM THE OWNER. IF ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL IS FOUND ON THE PROJECT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER.
9. ANY PUBLIC LAND SURVEY SYSTEM CORNER OR ANY MONUMENT THAT PERPETUATES THE RIGHT-OF-WAY WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED BY THE CONTRACTOR. IF A MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE OWNER.

PLANTING BED PREPARATION

1. ALL TRASH, ASPHALT, CONCRETE SIGNAGE, WEEDS AND OTHER SPOILAGE SHALL BE REMOVED FROM SITE PRIOR TO MOBILIZATION OF PLANTING CONTRACTOR.
2. ALL AREAS TO BE PLANTED OR SODDED SHALL BE GRADED TO SITE SPECIFICATIONS PRIOR TO MOBILIZATION OF PLANTING CONTRACTOR.
3. CONTRACTOR SHALL CONFIRM ALL PLANTING BEDS ARE NOT COMPACTED BEYOND 85 PERCENT TO ENSURE DRAINAGE. SHOULD COMPACTED SOILS EXIST, SOILS SHALL BE EXCAVATED AND REPLACED WITH WELL-DRAINING SOIL PRIOR TO MOBILIZATION OF PLANTING CONTRACTOR. NO PARKING LOT SUB-BASE, ASPHALT MATERIAL OR CONCRETE SPOILS SHALL REMAIN IN PLANTING BEDS.
4. ALL EXISTING VEGETATION SHALL BE REMOVED IN ALL PLANTING BED AREAS UNLESS OTHERWISE NOTED ON THE PLANS. HERBICIDE MANUFACTURER SPECIFICATIONS AND INSTRUCTIONS SHALL BE FOLLOWED AS TO TREATMENT DILUTION, MIX, APPLICATION, AND TIME PERIODS BETWEEN APPLICATIONS AS APPLICABLE TO ASSURE WEEDS ARE ELIMINATED FROM THE PLANTING BEDS PRIOR TO COMMENCING PLANTING. ALL PERSONNEL INVOLVED IN THE CHEMICAL PROGRAM ARE TO RECEIVE THE PROPER TRAINING AND LICENSURE, AND FOLLOW THE OPERATING GUIDELINES PROVIDED BY FDOT FOR CHEMICAL CONTROL. CONTACT THE ESCAMBIA COUNTY EXTENSION SERVICE FOR ADDITIONAL INFORMATION REGARDING HERBICIDES, PESTICIDES, AND REQUIRED LICENSES.
5. REPRESENTATIVE SOIL SAMPLES (3 MINIMUM) FROM VARYING AREAS THROUGHOUT THE PROJECT SHALL BE TAKEN AND PROVIDED TO THE OWNER'S REPRESENTATIVE. BASED UPON THE SOIL SAMPLE RESULTS AND RECOMMENDATIONS FROM THE TESTING LABORATORY, THE CONTRACTOR SHALL INCORPORATE ALL SOIL AMENDMENTS / FERTILIZER NECESSARY TO CORRECT ANY SOIL DEFICIENCIES SO THAT OPTIMAL PLANT HEALTH CAN OCCUR.
6. ALL SOIL AMENDMENTS SHALL BE ADDED TO THE PLANTING BEDS AND INCORPORATED INTO THE SOIL PRIOR TO COMMENCING FINAL GRADING AND PLANTING. ALL BEDS SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE WITH NO AREAS WHERE STANDING WATER COULD OCCUR.
7. ALL PLANTING BED AREAS SHALL BE TREATED WITH A PRE-EMERGENT HERBICIDE TO ASSURE THAT WEEDS WILL BE CONTROLLED.
8. CONTRACTOR SHALL ENSURE NO STANDING WATER AT EDGES WHERE HARDSCAPE & LANDSCAPE MEET.

UTILITY NOTES

1. THE LOCATIONS OF THE UTILITIES SHOWN ON THE PLANS SHOULD BE CONSIDERED APPROXIMATE ONLY, AND INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
2. THE CONTRACTOR SHALL NOTIFY ALL UTILITIES TWO BUSINESS DAYS PRIOR TO DEMOLITION AND/OR EXCAVATION. CALL "SUNSHINE STATE ONE CALL SYSTEM" 1-800-432-4770 (OR811) SO THAT UNDERGROUND UTILITIES MAY BE FIELD LOCATED.
3. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES DURING CONSTRUCTION. NO UTILITY IS TO BE RELOCATED. PLANTING SHALL BE ADJUSTED HORIZONTALLY, AT THE DIRECTION OF THE LANDSCAPE ARCHITECT, TO ADDRESS ANY UTILITY CONFLICTS.

PLANTING NOTES

1. MULCH: 3 INCH DEPTH – [CLEAN PINE NEEDLES]
2. THE LANDSCAPE INSTALLATION MUST BE PROPERLY SEQUENCED WITH OTHER CONSTRUCTION SO THAT THE LANDSCAPE IS NOT DAMAGED BY OTHER WORK/TRADES AND VICE VERSA.
3. THE CONTRACTOR SHALL VERIFY THE EXISTENCE OF AND STAKE ALL UTILITIES PRIOR TO CONSTRUCTION. EXCAVATION OF PLANT PITS LOCATED WITHIN 5' OF UTILITIES SHALL BE PERFORMED BY HAND. ANY UTILITY AND PLANT MATERIAL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION, OR FIELD ADJUSTMENTS.
4. ALL PLANTS SHALL MEET SIZE, CONTAINER, AND SPACING SPECIFICATIONS AS SHOWN IN THE PLANT SCHEDULE. THE CONTRACTOR SHALL GUARANTEE PLANT HEALTH AND SURVIVABILITY FOR ONE YEAR FROM DATE OF PROJECT ACCEPTANCE BY THE LANDSCAPE ARCHITECT. ANY MATERIAL NOT MEETING SPECIFICATIONS OR DISPLAYING POOR HEALTH SHALL BE REPLACED AT CONTRACTOR'S EXPENSE WITHIN TWO WEEKS OF NOTICE.
5. ALL PLANT MATERIAL SHALL BE FLORIDA NO. 1 OR BETTER, UNLESS OTHERWISE NOTED, AS SET FORTH IN THE CURRENT EDITION OF THE 'GRADES AND STANDARDS FOR NURSERY PLANTS,' STATE OF FLORIDA. NOTIFY THE LANDSCAPE ARCHITECT A MINIMUM OF ONE WEEK PRIOR TO PLANT DELIVERY TO SCHEDULE ON-SITE INSPECTION UPON DELIVERY. INSTALLED PLANT MATERIAL NOT MEETING SPECIFICATIONS SHALL BE REMOVED AND REPLACED AT CONTRACTOR'S EXPENSE. ALL PLANTS MUST BE BROUGHT TO THE SITE FREE OF WEEDS. ADDITIONALLY, THE CONTRACTOR SHALL PROVIDE THE LANDSCAPE ARCHITECT WITH REPRESENTATIVE PLANT PHOTOS TO APPROVE FOR ALL PLANT MATERIALS PRIOR TO ANY PLANT DELIVERY. MEASURING STICKS SHALL BE SHOWN IN PHOTOS, AS APPROPRIATE.
6. ALL PLANT MATERIALS INDICATED WITH A GALLON SIZE SHALL BE CONTAINER GROWN AND WITHIN A CONTAINER APPROPRIATE FOR THE PLANT SIZE. ROOT BOUND PLANTS SHALL NOT BE ACCEPTED. NO SUBSTITUTIONS SHALL BE PERMITTED WITHOUT PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT.
7. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO MAKE PLANTING BED FIELD CHANGES TO ACCOMMODATE SITE CONDITIONS AND TO ACHIEVE THE DESIGN INTENT. THE CONTRACTOR SHALL FLAG ALL TREE AND BEDLINE LOCATIONS FOR APPROVAL OF LANDSCAPE ARCHITECT PRIOR TO ANY INSTALLATION.
8. THE CONTRACTOR SHALL CONDUCT REPRESENTATIVE SOIL ANALYSIS PRIOR TO THE INSTALLATION OF ANY PLANT MATERIAL. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF ANY IMPROPER SOIL CONDITION INCLUDING NUTRITIONAL DEFICIENCIES, WETNESS, MUCK, DEBRIS, ETC. AND SHALL RECOMMEND TO THE LANDSCAPE ARCHITECT, PRIOR TO INSTALLATION, ALL SOIL AMENDMENTS THAT MAY BE NECESSARY TO PROMOTE HEALTHY VIGOROUS PLANT GROWTH. THE SOIL SAMPLE TEST RESULTS SHALL INCLUDE, AT A MINIMUM, PH, PRIMARY MACRONUTRIENTS, MICRONUTRIENTS, PERCENTAGE OF ORGANIC MATTER, AND SOIL TEXTURE. SUBMIT ALL SOIL SAMPLES AND AMENDMENT RECOMMENDATIONS TO THE LANDSCAPE ARCHITECT FOR REVIEW. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ALL APPROPRIATE SOIL AMENDMENTS AND A PROPERLY PREPARED FINISHED SOIL LAYER IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS 162 AND 987.
9. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY EXISTING VEGETATION INTENDED TO REMAIN THAT IS DISTURBED BY PLANT MATERIAL INSTALLATION ACTIVITIES. THIS REPAIR /REPLACEMENT SHALL BLEND SEAMLESSLY WITH THE EXISTING LANDSCAPE.
10. THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND PLANS IN PREPARING PLANTING AREAS, INCLUDING FINAL GRADE ELEVATIONS.
11. ALL PLANT MATERIAL MUST BE PLANTED IMMEDIATELY UPON DELIVERY TO THE SITE AND WATERED IN, BY HAND IF THE IRRIGATION SYSTEM IS NOT YET FUNCTIONING PROPERLY. ANY PLANT MATERIAL NOT INSTALLED WITHIN 6 HOURS OF DELIVERY TO THE SITE MUST BE STORED IN AN APPROVED, PROTECTED HOLDING AREA AND SHALL BE WATERED AS NECESSARY TO MAINTAIN PLANT HEALTH AND QUALITY. ALL BLACK PLASTIC PLACED AROUND TREE ROOTBALLS SHALL BE REMOVED IMMEDIATELY UPON DELIVERY TO THE SITE, BURLAP WRAPPING SHALL STAY IN PLACE. FOR TREES NOT PLANTED WITHIN 6 HOURS OF DELIVERY TO THE SITE, WATER SHALL BE IMMEDIATELY APPLIED TO THE ROOTBALL AND FOLIAGE. THE TOPS SHALL BE UNTIED AND THE TREES STORED UPRIGHT WITH MULCH, PINE STRAW OR HAY COVERING THE ROOTBALLS. TREES SHALL NOT BE STORED LYING DOWN. IF TREES HAVE PLASTIC TRUNK PROTECTORS, THE PROTECTORS MAY STAY IN PLACE PRIOR TO PLANTING BUT SHALL NOT BE LEFT ON INDEFINITELY.
12. FERTILIZE ALL TREES WITH AGRIFORM 21 GRAM TABLETS, SLOW RELEASE 20-10-5 ANALYSIS WITH ONE TABLET PER ½" OF TRUNK DIAMETER.
13. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT A MINIMUM OF 48 HOURS PRIOR TO COMPLETION TO SCHEDULE A FINAL WALKTHROUGH. A FINAL WALKTHROUGH SHALL NOT BE PERFORMED IF PREVIOUS PUNCH LISTS ARE NOT COMPLETED.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL PLANTING AND GRADES UNTIL FINAL ACCEPTANCE BY THE LANDSCAPE ARCHITECT. THIS MAINTENANCE INCLUDES KEEPING BEDS FREE OF DEBRIS, WEEDS, DISEASES, AND INFESTATIONS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR PROVIDING SUFFICIENT WATER TO THE PLANTS DURING THIS TIME, AND REPAIRING EROSION AREAS.
15. THE CONTRACTOR SHALL SUPPLY THE LANDSCAPE ARCHITECT WITH ELECTRONIC AS-BUILT DRAWINGS WITHIN 30 DAYS OF PROJECT ACCEPTANCE.
16. REFER TO CURRENT FDOT STANDARD SPECIFICATIONS AND DESIGN STANDARD INDICES, THE GENERAL NOTES, AND ALL OTHER NOTES WITHIN THE CONTRACT DOCUMENTS FOR ADDITIONAL REQUIREMENTS.
17. ONE YEAR WARRANTY ON ALL PLANTS AND LABOR

PLANT SCHEDULE

	TREES	CODE	QTY	BOTANICAL / COMMON NAME	CAL	DBH	MIN. HT.
		AG2	23	Acer rubrum 'Summer Red' / Summer Red Maple	Varies	3"Cal	12' HT
4		CC	23	Cercis canadensis / Eastern Redbud	FG	Specimen	10'-12'H
		CV	27	Chionanthus virginicus / White Fringetree	15gal		5-6' HT
		IM2	16	Ilex x 'Magland' / Oakland Red Holly	FG		6'-8' HT
		IS2	40	Ilex x attenuata 'Savannah' / Savannah Holly	B & B		8'-9' HT
		LJ	6	Ligustrum japonicum / Tree Form Japanese Ligustrum	FG	Varies	6'-8' HT
		PE	66	Pinus elliottii / Slash Pine	FG		10' HT
		PO	35	Platanus occidentalis / American Sycamore	FG	3" DBH	16'-18' HT
		QT	18	Quercus texana / Nuttall Oak	/	3" DBH	14'-16' HT
		QV	182	Quercus virginiana / Southern Live Oak	FG	3" DBH	
		TD2	70	Taxodium distichum / Bald Cypress	FG	4"Cal	14'-16' HT
		TI	31	Thuja x 'Green Giant' / Green Giant Arborvitae	3" Cal	3" Cal	12' HT
		VC	23	Vitex agnus-castus / Chaste Tree	30 gal		
	SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SPEC	
2		AG	1,139	Abelia x grandiflora 'Canyon Creek' / Glossy Abelia	3 gal		48" o.c.
		AP7	891	Agapanthus praecox orientalis 'Baby Blue' / Lily Of The Nile	1 gal		30" o.c.
		AA	7	Agave americana / Century Plant	7 gal		48" o.c.
		AA3	32	Azalea Encore 'Autumn Amethyst' TM / Autumn Amethyst Azalea	3 gal		48" o.c.
		AA4	921	Azalea Encore 'Autumn Coral' TM / Autumn Coral Azalea	3 gal		36" o.c.
		BF	439	Bulbine frutescens / Stalked Bulbine	3 gal		36" o.c.
2		CS	589	Camellia sasanqua 'Shishi-Gashira' / Camellia	3 gal	SP	36" o.c.
2		DV	1,732	Dianella tasmanica 'Variegata' / Variegated Flax Lily	1 gal	Full Pot	30" o.c.
		GK2	65	Gardenia jasminoides 'Kleim's Hardy' / Kleim's Hardy Gardenia	3 gal		30" o.c.
2		IN	1,926	Ilex vomitoria 'Nana' / Dwarf Yaupon	3 gal		36" o.c.
2		JP2	3,560	Juniperus chinensis 'Parsonii' / Parsoni Juniper	3 gal		36" o.c.
		JX	175	Juniperus x 'Grey Owl' / Grey Owl Juniper	3 gal		72" o.c.
		LC	489	Loropetalum chinense / Green Loropetalum	3 gal		48" o.c.
		LP	258	Loropetalum chinense 'Purple Diamond' / Purple Diamond Loropetalum	3 gal		42" o.c.
2		MS	1,814	Miscanthus sinensis 'Adagio' / Adagio Eulalia Grass	3 gal		36" o.c.
		MU	1,218	Muhlenbergia capillaris / Pink Muhly	3 gal		36" o.c.
		MYR	391	Myrica cerifera 'Pumila' / Dwarf Wax Myrtle	3 gal		42" o.c.
2		PD	1,000	Podocarpus macrophyllus 'Dwarf Pringles' / Dwarf Podocarpus	3 gal		42" o.c.
		RI3	171	Rosa x 'Icy Drift' / Icy Drift Rose	3 gal		36" o.c.
2		SC	229	Serenoa repens 'Cinerea' / Silver Saw Palmetto	3 gal		60" o.c.
2		TD	2,582	Tripsacum dactyloides nana / Dwarf Fakahatchee Grass	3 gal		36" o.c.
		YA	9	Yucca aloifolia / Aloe Yucca	3 gal		48" o.c.
	WETLAND PLANTS	CODE	QTY	BOTANICAL / COMMON NAME	CONT		
		PC3	644	Pontederia cordata / Pickerel Weed	BR		30" o.c.
		SL2	1,381	Sagittaria latifolia / Lance-Leafed Arrowhead	BR		30" o.c.
		SC2	522	Scirpus californicus / California Bulrush	BR		60" o.c.
		SP	1,095	Spartina patens / Salt Meadow Cord Grass	1 gal		36" o.c.
	GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	
2		CH	42,899	Cynodon dactylon '419 Hybrid' / Bermuda Grass	SOD		12" o.c.
		PP	157,031 sf	Paspalum notatum 'Argentine' / Argentine Bahia Grass	SOD		
		AJ2	14	Trachelospermum asiaticum 'Asiatic' / Asiatic Jasmine	1 gal	12" OA	24" o.c.
		TC	29	Trachelospermum jasminoides 'Confederate' / Confederate Jasmine	1 gal		24" o.c.

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REGISTERED LANDSCAPE ARCHITECT BRADLEY ALEXANDER LA0667399 STATE OF FLORIDA

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Associated Space Design, Inc. 2021

NO:	DATE:	REMARKS:
3	4/15/2022	ASI 01 - CONFORMED SET
2	2/21/2022	ADDENDUM #2
0	1/14/2022	FOR PERMIT AND CONSTRUCTION

REVISIONS:

DRAWING TITLE:
LANDSCAPE - NOTES & SCHEDULES - R3

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