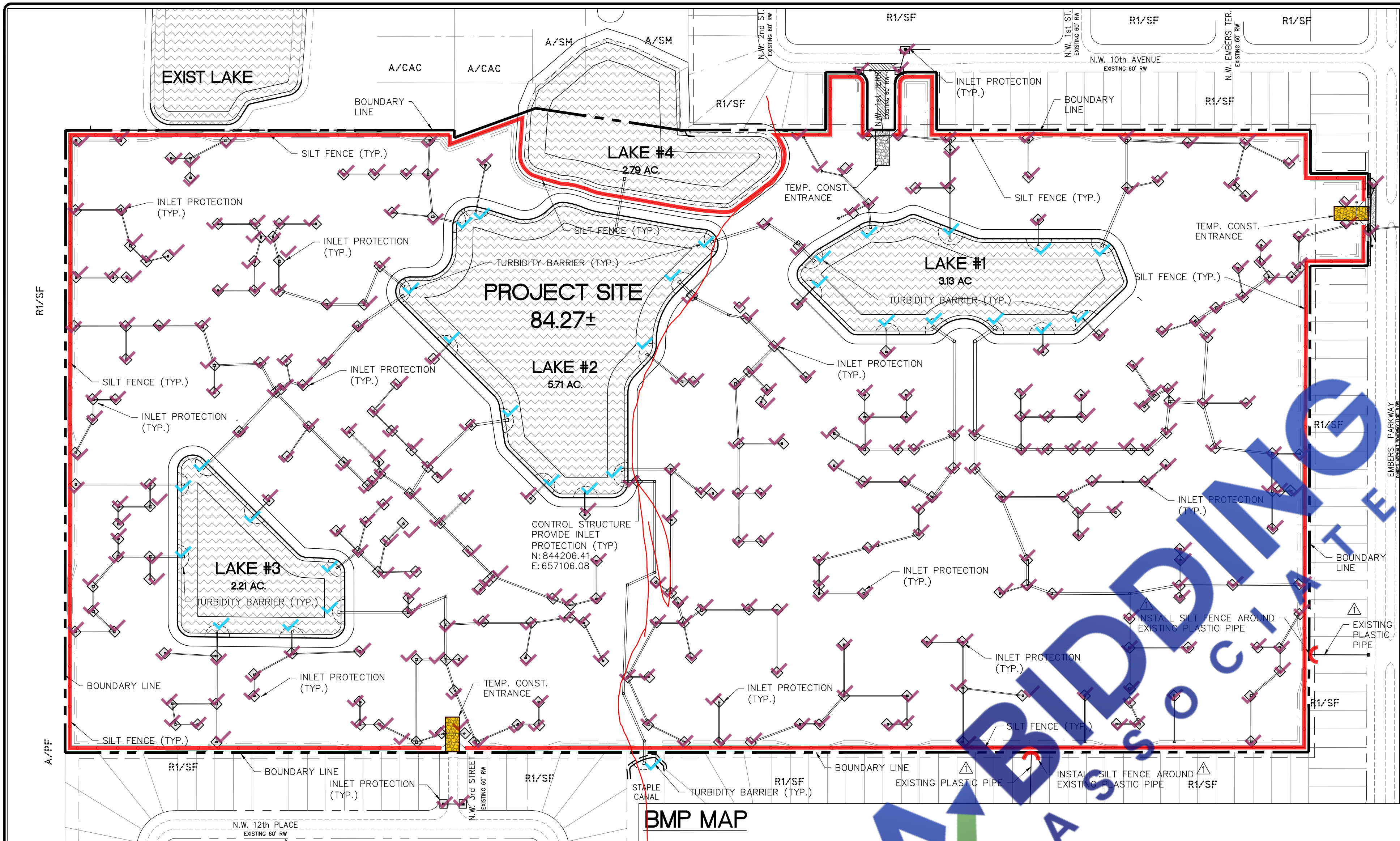
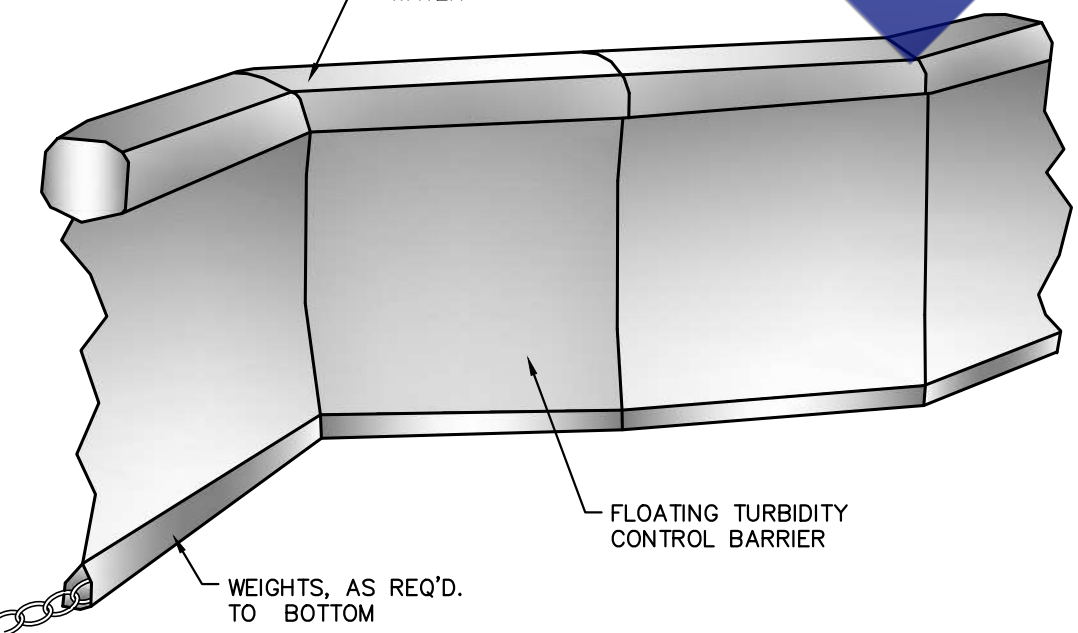
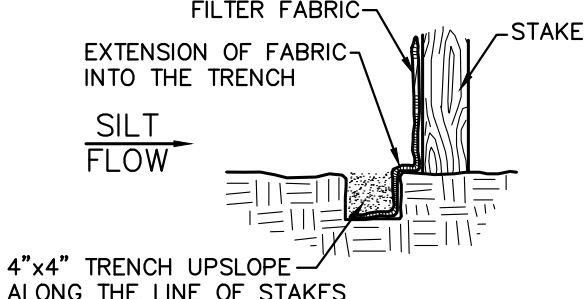
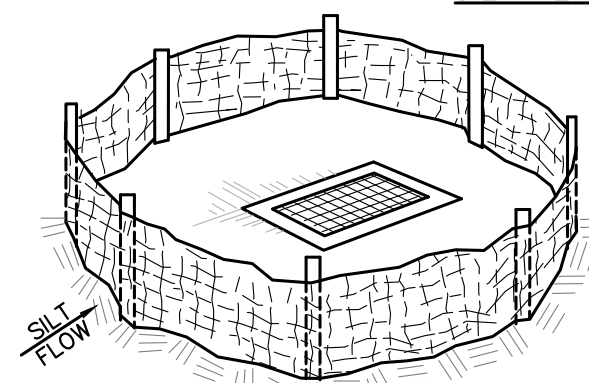
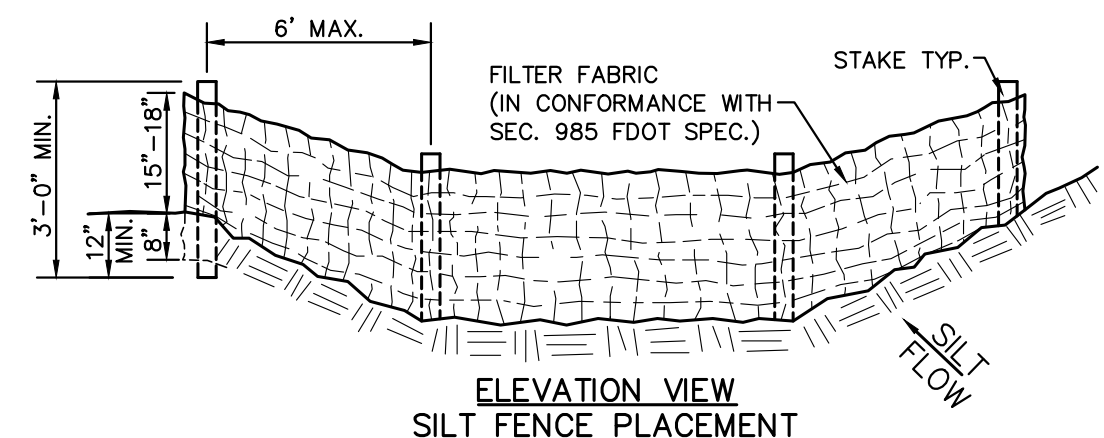
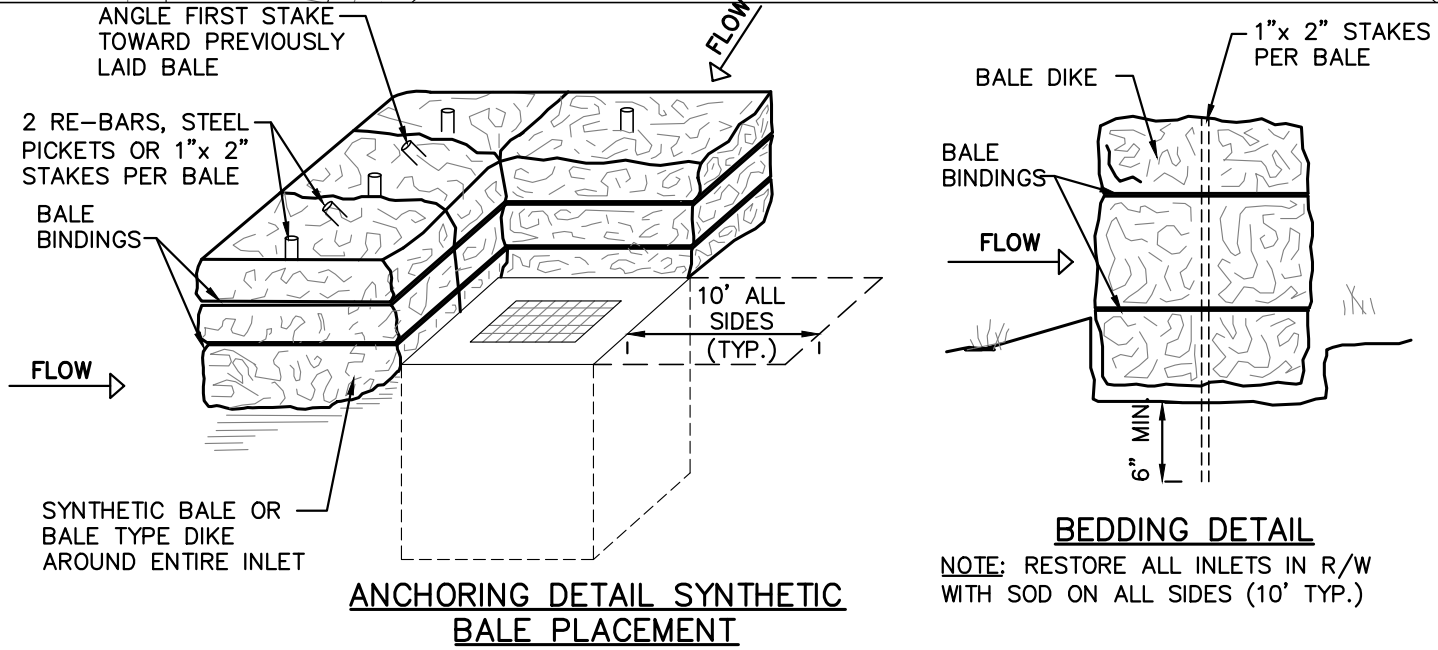


P:\CAD\2020\20-136\CONSTRUCTION\20-136 EROSION CONTROL.dwg, 4 EROSION CONTROL, 12/14/2021 9:21:37 AM, Avalon Engineering Inc.



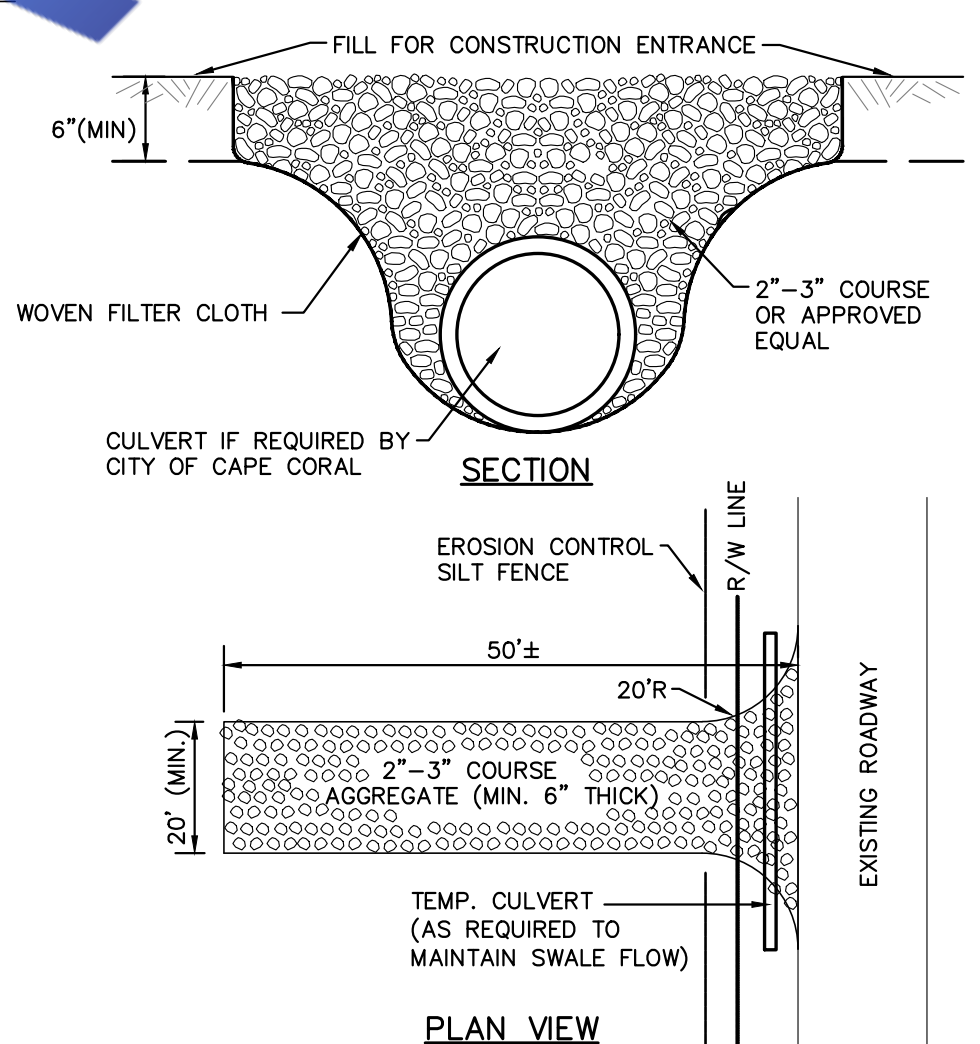
BMP MAP

STORM WATER POLLUTION LEGEND



THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE APPROVED TURBIDITY BARRIERS IN PLACE DURING ANY AND ALL CLEARING, EXCAVATING, JETTING AND BACKFILLING OPERATIONS WHICH TOTALLY ENCLOSES THE CONSTRUCTION SITE. BARRIERS ARE TO REMAIN IN PLACE 24 HOURS MINIMUM AFTER CONSTRUCTION CEASES OR UNTIL TURBIDITY LEVEL IS 29 NTU OR LESS ABOVE THE PRE-CONSTRUCTION TURBIDITY LEVEL. BARRIERS MUST EXTEND FROM THE WATER SURFACE TO THE BOTTOM AND HAVE ADEQUATE WEIGHT TO KEEP THEM IN PLACE DURING ALL OPERATIONS. THERE SHALL BE ADEQUATE FLOTATION AT THE SURFACE TO PREVENT OVERFLOW. THIS FLOTATION MUST BE BRIGHTLY COLORED TO MAXIMIZE VISIBILITY.

FLOATING TURBIDITY CONTROL BARRIER



NOTE:
1.) THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC R/W. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2.) WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC R/W.
3.) WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED W/ CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

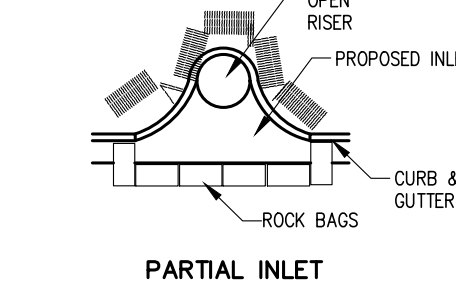
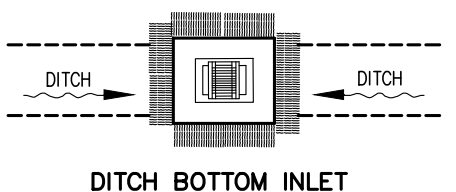
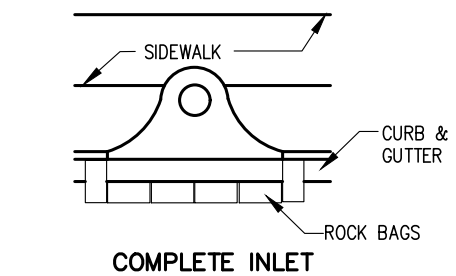
TEMP. CULVERT • CONSTRUCTION ENTRANCE

EROSION CONTROL NOTES

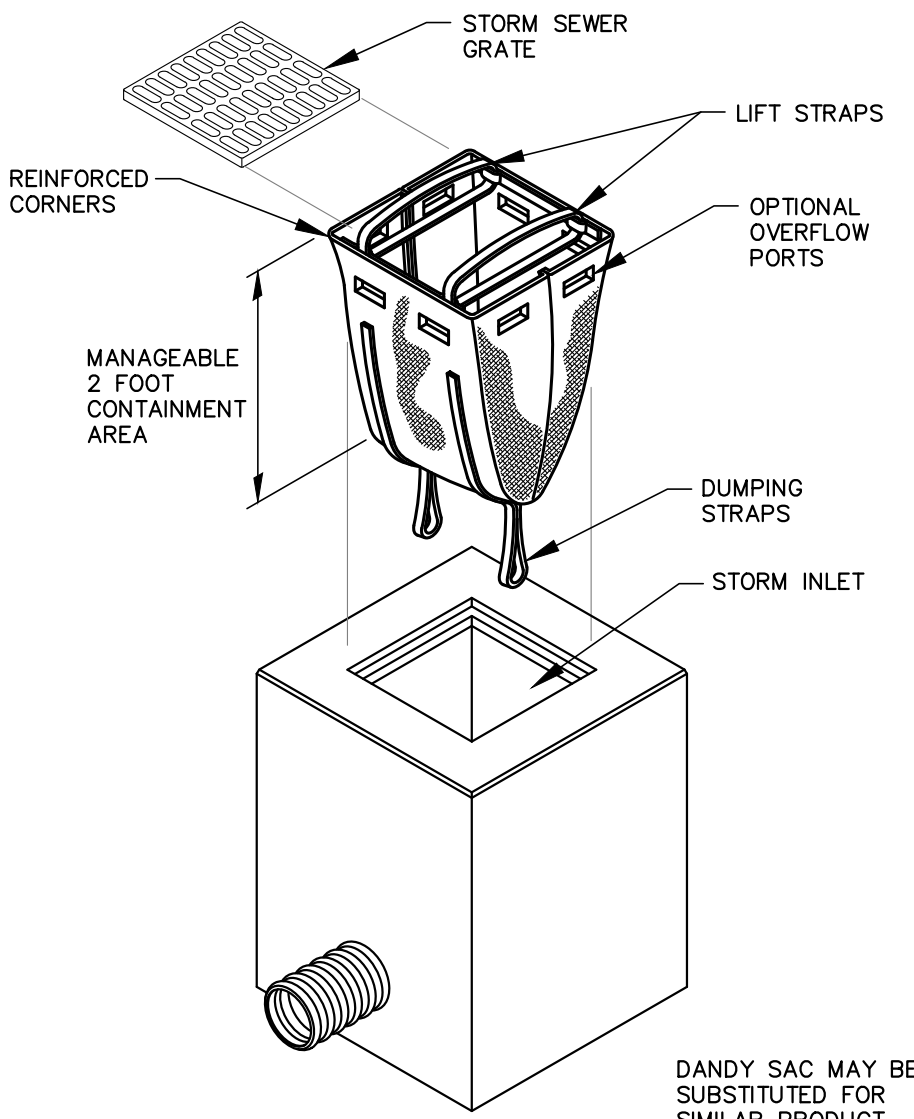
1. THE CONTRACTOR SHALL ADHERE TO THE SEQUENCE OF OPERATIONS FOR EROSION CONTROL IMPLEMENTATION HEREON. ANY DEVIATION FROM THIS SEQUENCE DEEMED NECESSARY BY THE CONTRACTOR SHALL BE APPROVED BY THE OWNER.
2. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS INVOLVED WITH THE CONSTRUCTION ACTIVITIES RELATED TO EROSION CONTROL AS SHOWN OR NOTED HEREON SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), AS WELL AS THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR THIS SITE, AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. ALL WASH WATER SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTACT BETWEEN WASH WATER POLLUTANTS AND STORM RUNOFF DISCHARGED FROM THIS SITE.
4. OIL AND GREASE ABSORBING MATERIALS SHALL BE READILY AVAILABLE ON-SITE AND SHALL BE PROMPTLY USED TO CONTAIN AND/OR CLEAN UP ALL FUEL OR CHEMICAL SPILLS OR LEAKS.
5. DUST CONTROL SHALL BE ACCOMPLISHED BY WATERING DRY, EXPOSED AREAS ON A REGULAR BASIS. SPRAYING OF PETROLEUM BASED OR TOXIC LIQUIDS FOR THIS IS PROHIBITED.
6. ALL CITY RIGHT-OF-WAYS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE PERMANENTLY SODDED PRIOR TO THE COMPLETION OF THE PROJECT.
7. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION AREAS HAVE PERMANENTLY CEASED SHALL BE PERMANENTLY SEEDED OR SODDED, AS SHOWN ON THE ATTACHED PLAN, WITHIN FOURTEEN DAYS.
8. ALL VEHICLES SHALL BE CLEANED AT THE CONSTRUCTION SITE PRIOR TO EXITING.
9. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED ONTO ADJACENT ROADWAYS BY VEHICLES EXITING THE SITE SHALL BE CLEANED OR REMOVED IMMEDIATELY.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROMPT REMOVAL OF ALL ACCUMULATED SILT IN THE STORM SEWER SYSTEM AND ALONG SILT FENCES.
11. SILT FENCES SHALL BE PLACED AROUND ANY STOCKPILES USED ON THIS SITE.
12. ANY ADDITIONAL EROSION CONTROL MEASURES REQUIRED TO ENSURE COMPLIANCE WITH THE U.S.E.P.A.; FLORIDA DEP AND LOCAL GOVERNING AGENCY STORM WATER POLLUTION REGULATIONS SHALL BE IMPLEMENTED BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER.
13. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE WITHIN THIRTY DAYS AFTER STABILIZATION OF ALL SURFACES.
14. THE CONTRACTOR SHALL ASSUME LIABILITY FOR DAMAGE TO ADJACENT PROPERTIES AND/OR PUBLIC RIGHT-OF-WAY RESULTING FROM FAILURE TO FULLY IMPLEMENT AND EXECUTE ALL EROSION CONTROL PROCEDURES SHOWN AND NOTED IN THE PLANS.
15. WHENEVER DIRT, ROCK OR OTHER MATERIALS ARE EXPORTED FOR USE OFF OF THE PRIMARY CONSTRUCTION SITE, THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THAT EPA STORMWATER PERMITTING REQUIREMENTS ARE MET. PRIOR TO ANY EXPORT OF MATERIALS, THE CONTRACTOR SHALL FURNISH THE ENGINEER WITH A WRITTEN AGREEMENT WITH ANY LANDOWNER WHO WILL RECEIVE EXPORTED MATERIALS, STATING THAT THE SITE WILL BE PROPERLY PERMITTED WHEN REQUIRED AND DESCRIBE THE EROSION CONTROL MEASURES WHICH WILL BE USED. AT A MINIMUM, EROSION CONTROL MEASURES MUST CONSIST OF PERIMETER CONTROLS (SYNTHETIC BALES OR SILT FENCES) ON ALL DOWNSLOPE AND SIDESLOPE BOUNDARIES OF ANY DISTURBED AREAS, PLUS PROVISIONS FOR RE-VEGETATION AFTER THE FILL MATERIALS ARE IN PLACE.
16. PRIOR TO CONSTRUCTION FILTER FABRIC SILT FENCE, OR OTHER APPROVED EROSION CONTROL DEVICES SHALL BE INSTALLED ACROSS THE SWALE AT THE LOWEST DISTURBED POINT TO PREVENT EROSION MATERIAL FROM LEAVING THE CONSTRUCTION AREA, INCLUDING ANY VACANT AREAS USED FOR INGRESS AND EGRESS. ALTERNATIVE USES COULD BE GEO-HAY, WADDLES, TERRA TUBES, SEDIMENT LOGS, ETC.
17. ALL AFFECTED STORMWATER PIPES, INLETS AND CATCH BASINS SHALL BE PROTECTED BY EROSION CONTROL DEVICES TO PREVENT CONSTRUCTION RELATED EROSION MATERIAL FROM ENTERING THE STORMWATER SYSTEM. SHOULD THE EROSION CONTROLS NOT BE INSTALLED AND/OR FAIL THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING THE ENTIRE SYSTEM AS DEEMED NECESSARY BY THE ENGINEER AND GOVERNING AGENCY.
18. THE EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION PROCESS AND SHALL REMAIN IN PLACE UNTIL STABILIZED WITH SOD AND THE VACANT AREAS ARE SEEDED AND MULCHED.
19. REFER TO FDOT EROSION AND SEDIMENT CONTROL MANUAL & DETAILS.
20. ALL DEWATERING SHALL BE IN ACCORDANCE WITH S.F.W.M.D. CRITERIA.

PROJECT SITES WITHIN CITY OF CAPE CORAL:
CONTRACTOR TO REFER TO CITY OF CAPE CORAL ENGINEERING DESIGN STANDARDS FOR ADDITIONAL EROSION CONTROL DETAILS (SHEET M-1 THRU M-27) AS REQUIRED.

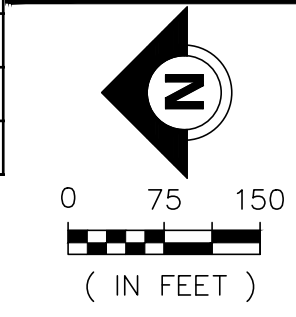
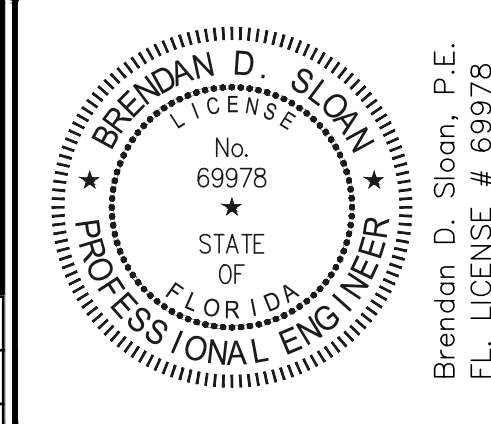
Legend		
Description	Quantity	Unit
Construction Entrance	4,443	sf
Inlet Protection	322	Count
Silt Fence	8,948.86	ft
Turbidity Barrier	31	Count



EROSION CONTROL
DR-EROSION-CONTROL-1.dwg
N.T.S.



DANDY SACK™ INLET PROTECTION
N.T.S.



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004-FAC ON 12/14/2021

DATE	BY	REVISION DESCRIPTION
9/1/21	BS	INITIAL CITY SUBMITTAL
9/1/21	BS	100% PER CITY COMMENTS (09/28/21)
12/09/21	BS	100% PER CITY COMMENTS (12/08/21)

AVAILON ENGINEERING, INC.
2503 DEL PRADO BLVD. #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

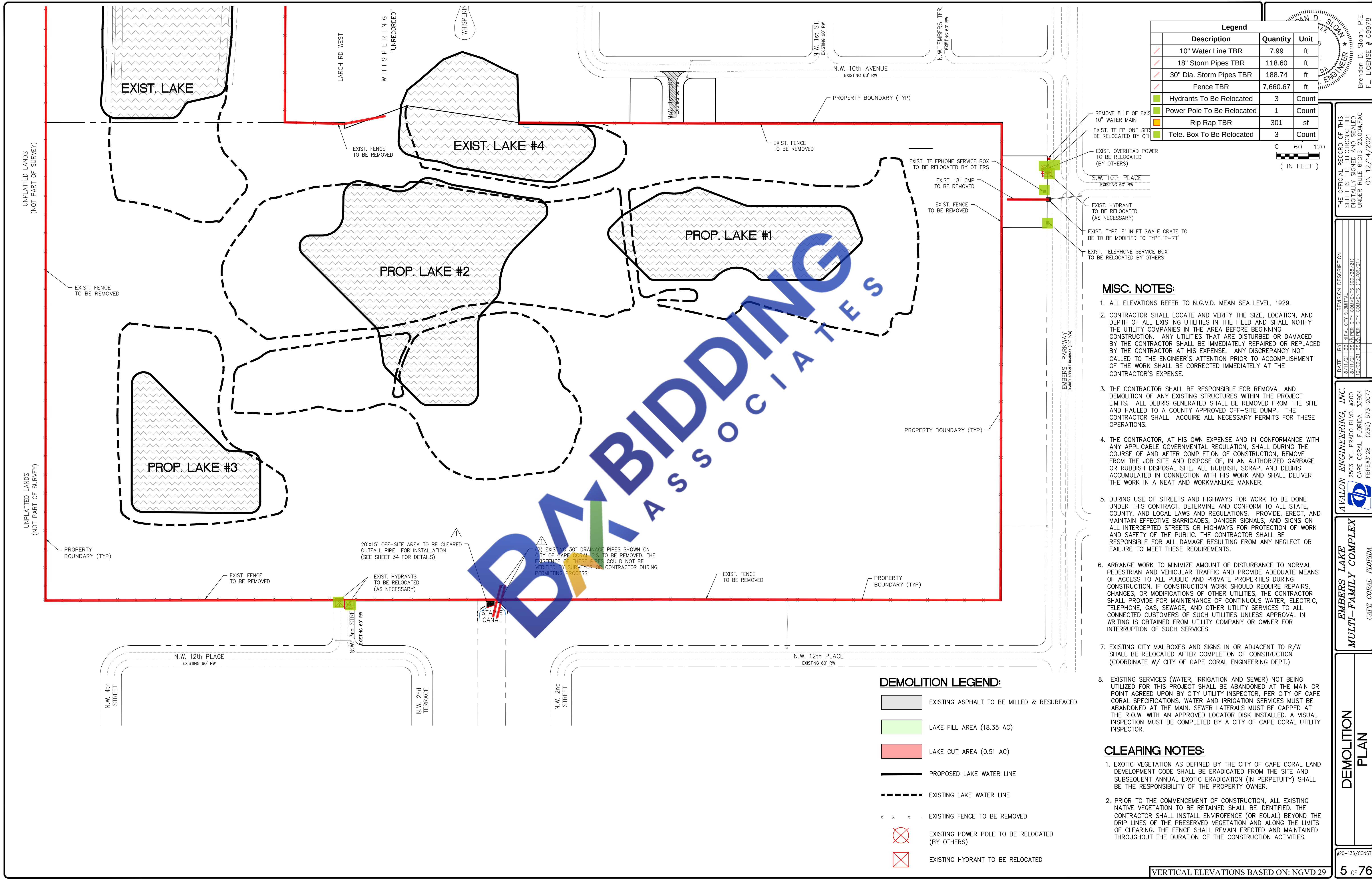
EMBERS LAKE
MULTI-FAMILY COMPLEX
CAPE CORAL, FLORIDA

EROSION CONTROL
B.M.P. MAP

#20-136/CONST
4 OF 76

VERTICAL ELEVATIONS BASED ON: NGVD 29

P:\CADD\2020\20-136\CONSTRUCTION\EMPLOT20-136.DENW.dwg, 5 DEMOLITION PLAN, 12/14/2021 19:21:44 AM, Avalon Engineering Inc.



BRANDON D. SLOAN, P.E.
FL. LICENSE # 69978

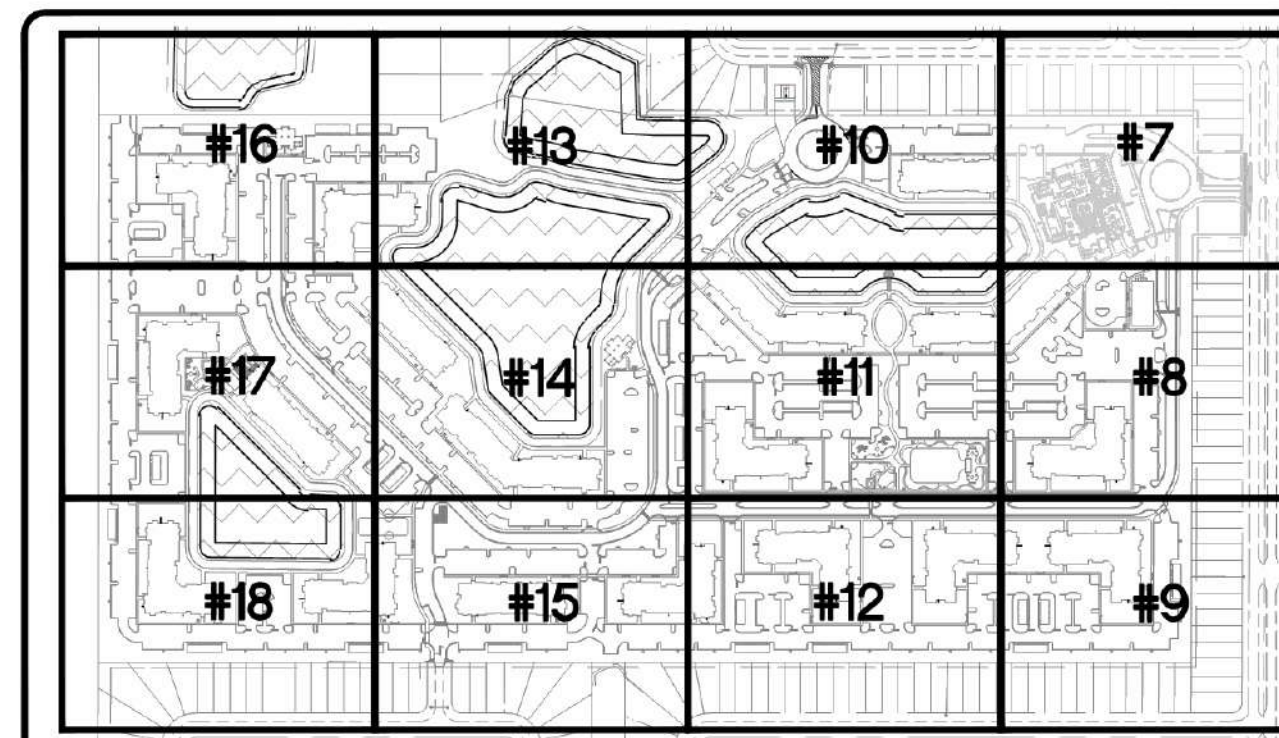
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004-FAC ON 12/14/2021

DATE	BY	REVISION DESCRIPTION
9/1/21	BB	INITIAL CITY SUBMITTAL
9/1/21	BS	1st PEER CITY COMMENTS (09/28/21)
12/09/21	BS	2nd PEER CITY COMMENTS (12/08/21)

AVOLON ENGINEERING, INC.
2503 DEL PRADO BLVD. #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

EMBERS LAKE
MULTI-FAMILY COMPLEX
CAPE CORAL, FLORIDA

DEMOLITION
PLAN
#20-136/CONST
5 OF 76



 **KEY MAP**
K13

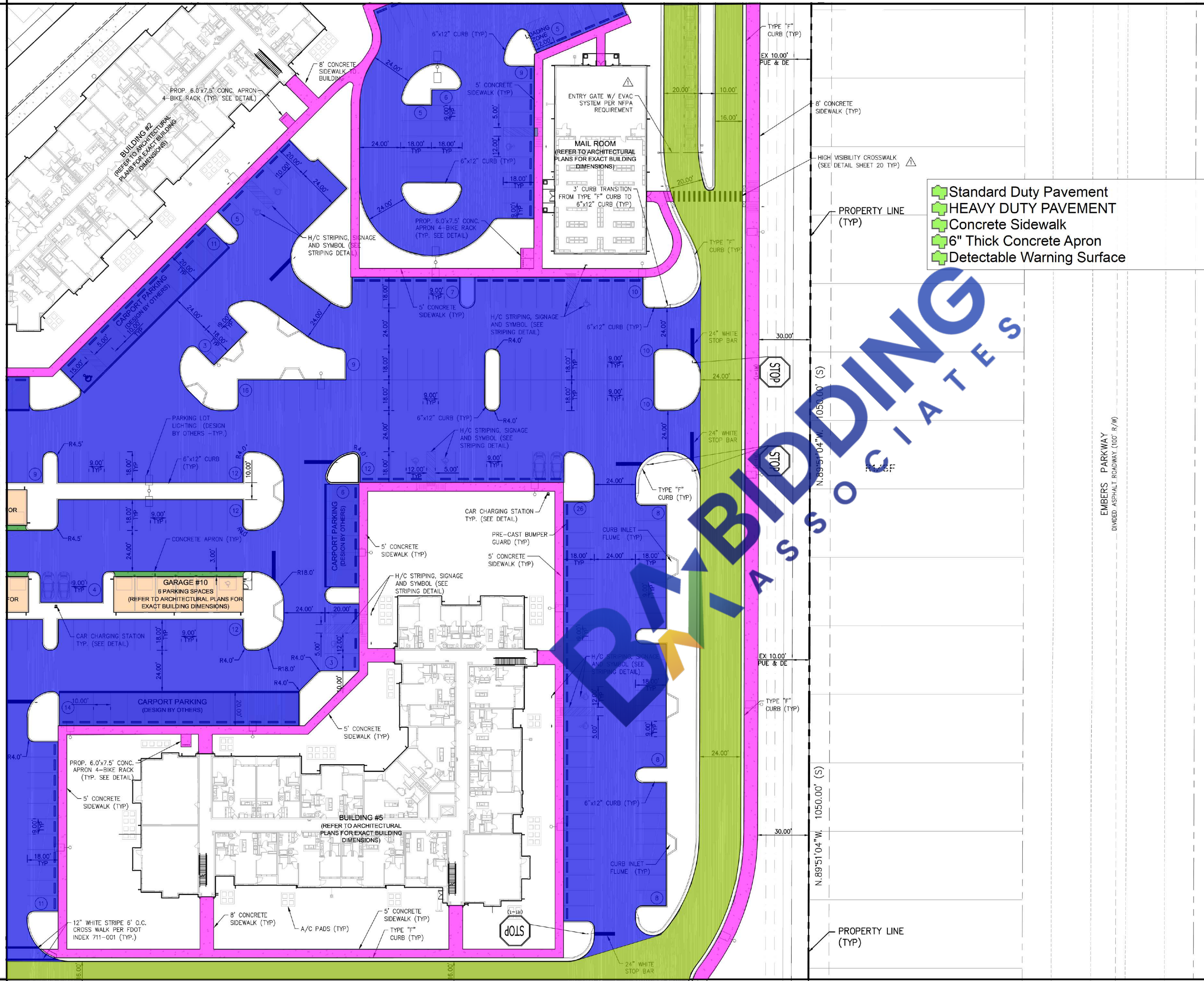
VERTICAL ELEVATIONS BASED ON: NGVD 29

P:\04\020203-186\CONSTRUCTION\LOT01-186_DIMENSION PLAN.dwg, & SITE DIMENSION, 12/14/2021 9:22:35 AM, Avelon Engineering Inc.

MATCH LINE SEE SHEET 7

MATCH LINE SEE SHEET 9

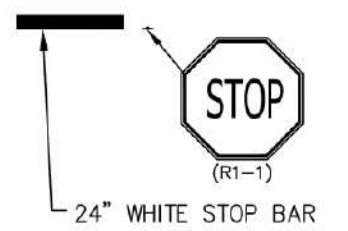
MATCH LINE SEE SHEET 11



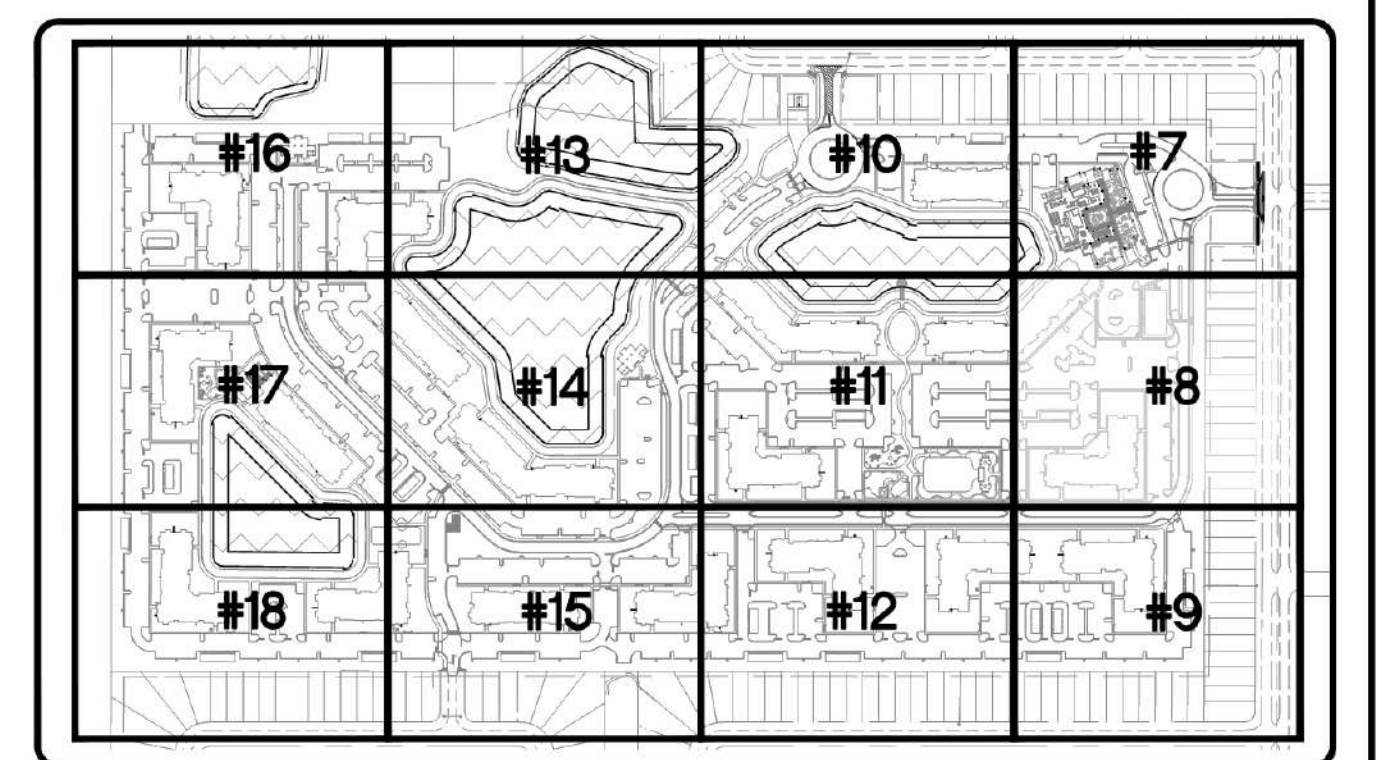
- Standard Duty Pavement
- HEAVY DUTY PAVEMENT
- Concrete Sidewalk
- 6" Thick Concrete Apron
- Detectable Warning Surface

94,566.2 SQ FT
19,937.7 SQ FT
15,689.5 SQ FT
284.9 SQ FT
8.5 SQ FT

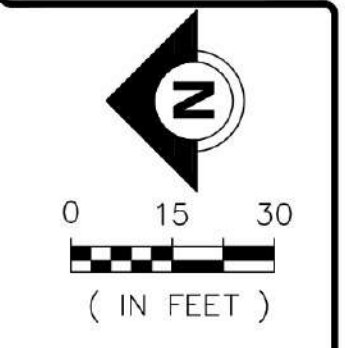
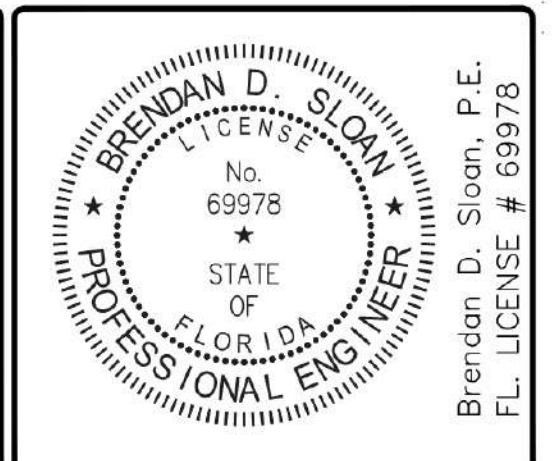
- LEGEND
- CARPORT SPACES
 - GARAGE



MISC. WALK AND STRIPING NOTES
CONCRETE WALK THAT ABUTS PAVEMENT SHALL HAVE A THICKENED EDGE (SEE DETAIL).
REFER TO SHEET 20 FOR H/C AND TYPICAL PARKING SPACE STRIPING, SYMBOLS AND SIGNAGE



KEY MAP
VERTICAL ELEVATIONS BASED ON: NGVD 29



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,FAC ON 12/14/2021

DATE	BY	REVISION DESCRIPTION
8/11/21	BS	INITIAL CITY SUBMITTAL
9/11/21	BS	PER CITY COMMENTS (09/28/21)
12/09/21	BS	PER CITY COMMENTS (12/09/21)

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

EMBERS LAKE
MULTI-FAMILY COMPLEX
CAPE CORAL, FLORIDA

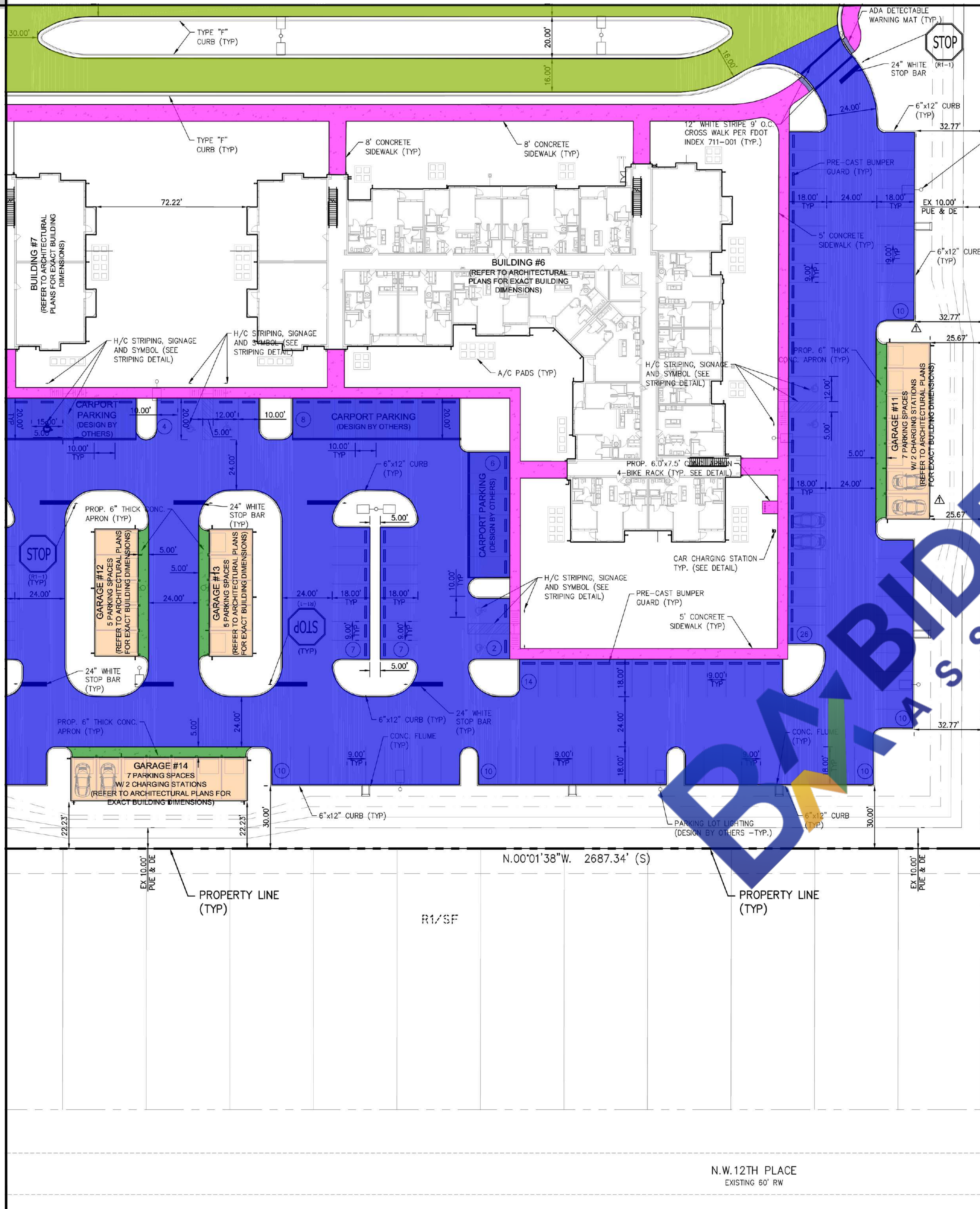
SITE DIMENSION AND
STRIPING PLAN

#20-136/CONST
8 OF 76

P:\04\2020\03-186\CONSTRUCTION\LOT03-186_DIMENSION PLAN.dwg, 9 SITE DIMENSION, 12/14/2021 12:22:55 AM, Avelon Engineering Inc.

MATCH LINE SEE SHEET 12

MATCH LINE SEE SHEET 8

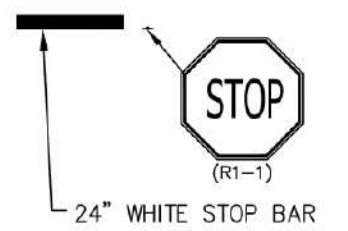


- HEAVY DUTY PAVEMENT
- Concrete Sidewalk
- 6" Thick Concrete Apron
- Standard Duty Pavement
- Detectable Warning Surface

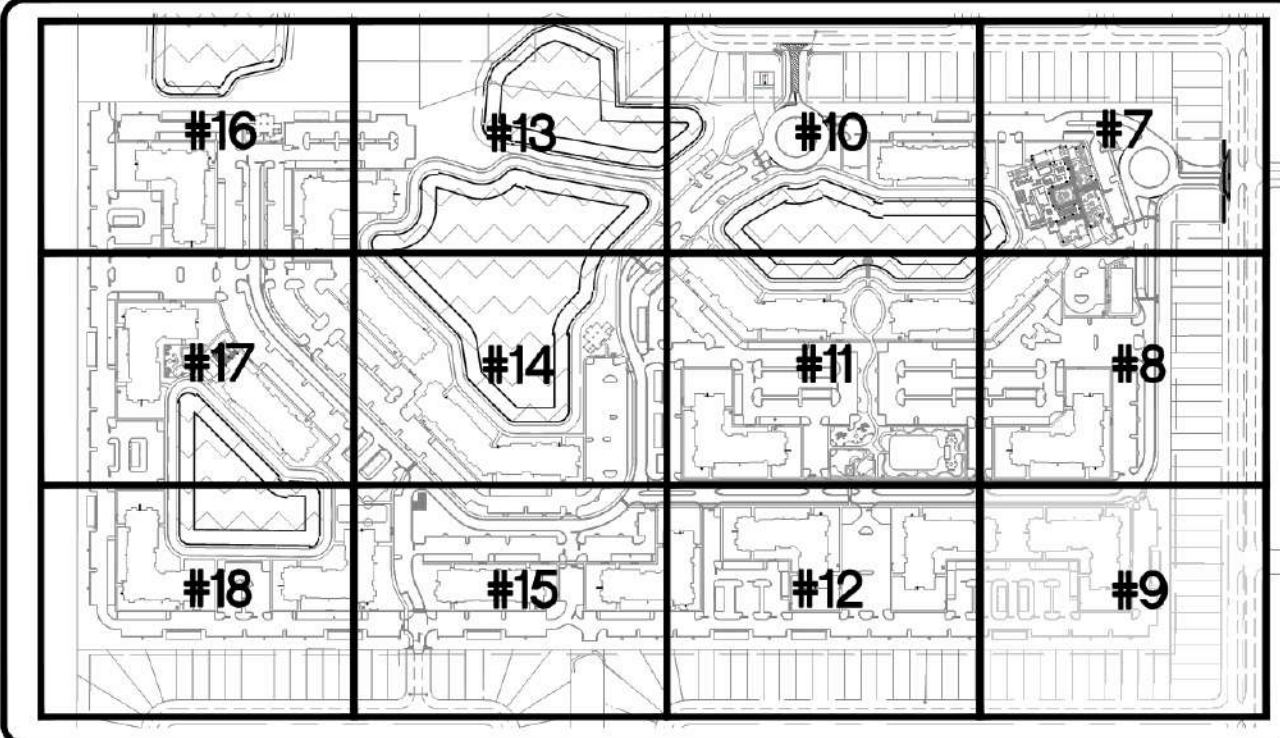
8,996.4 SQ FT
8,159.1 SQ FT
1,442.3 SQ FT
56,561.6 SQ FT
30.8 SQ FT

LEGEND

- CARPORT SPACES
- GARAGE

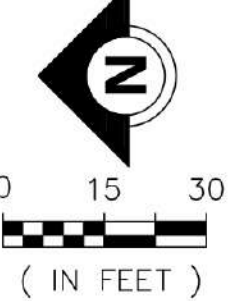
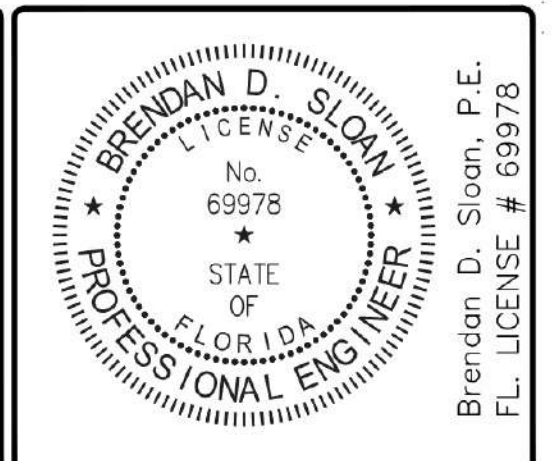


MISC. WALK AND STRIPING NOTES
CONCRETE WALK THAT ABUTS PAVEMENT SHALL HAVE A THICKENED EDGE (SEE DETAIL).
REFER TO SHEET 20 FOR H/C AND TYPICAL PARKING SPACE STRIPING, SYMBOLS AND SIGNAGE



KEY MAP

VERTICAL ELEVATIONS BASED ON: NGVD 29



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,FAC ON 12/14/2021

DATE	BY	REVISION DESCRIPTION
8/11/21	BS	INITIAL CITY SUBMITAL
8/11/21	BS	PER CITY COMMENTS (09/28/21)
12/09/21	BS	PER CITY COMMENTS (12/09/21)

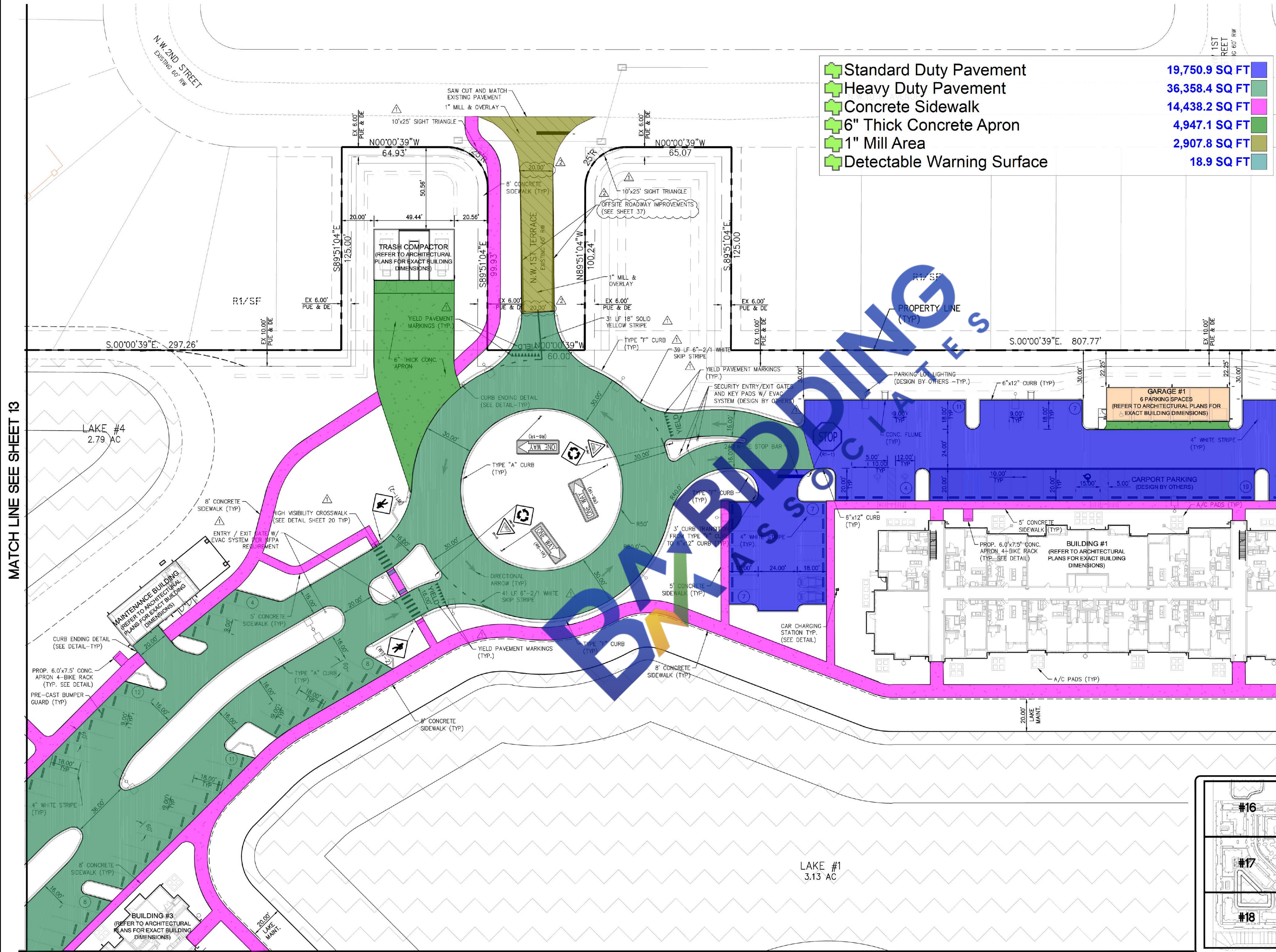
DATE: 12/14/2021
BY: BS
REVISION: 1
DESCRIPTION: PER CITY COMMENTS (12/09/21)

EMBERS LAKE MULTI-FAMILY COMPLEX
CAPE CORAL, FLORIDA

SITE DIMENSION AND STRIPING PLAN

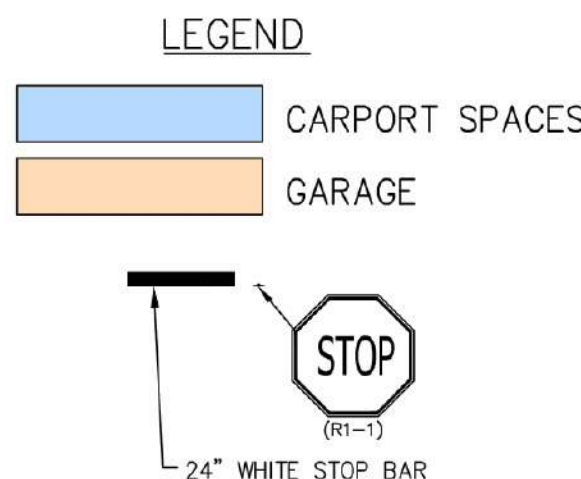
P:\04\020203-186\CONSTRUCTION\LOT204-186_DIMENSION PLAN.dwg, 10 SITE DIMENSION, 12/14/2021 9:23:15 AM, Avalon Engineering Inc.

MATCH LINE SEE SHEET 13

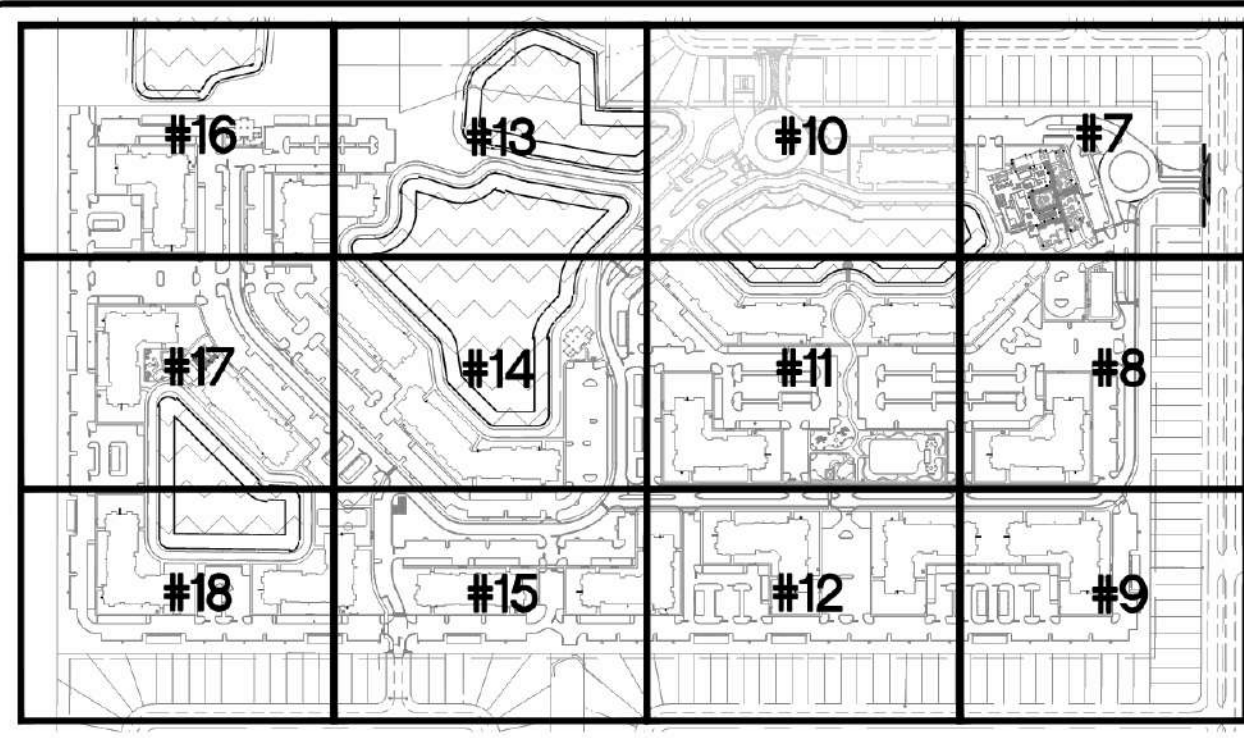


Standard Duty Pavement	19,750.9 SQ FT
Heavy Duty Pavement	36,358.4 SQ FT
Concrete Sidewalk	14,438.2 SQ FT
6" Thick Concrete Apron	4,947.1 SQ FT
1" Mill Area	2,907.8 SQ FT
Detectable Warning Surface	18.9 SQ FT

MATCH LINE SEE SHEET 7

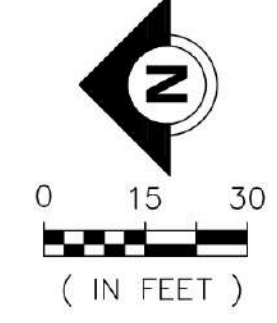
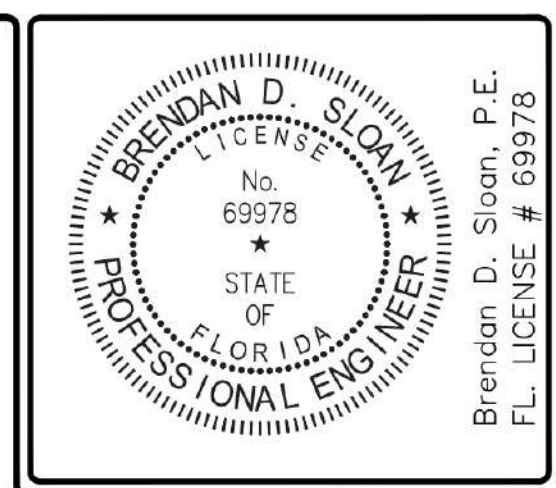


MISC. WALK AND STRIPING NOTES
CONCRETE WALK THAT ABUTS PAVEMENT SHALL HAVE A THICKENED EDGE (SEE DETAIL).
REFER TO SHEET 20 FOR H/C AND TYPICAL PARKING SPACE STRIPING, SYMBOLS AND SIGNAGE



MATCH LINE SEE SHEET 11

KEY MAP
VERTICAL ELEVATIONS BASED ON: NGVD 29



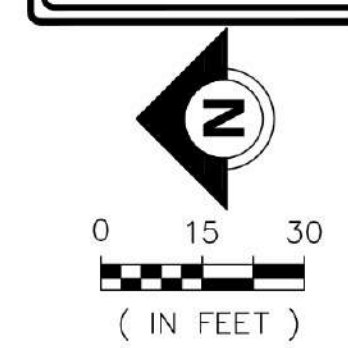
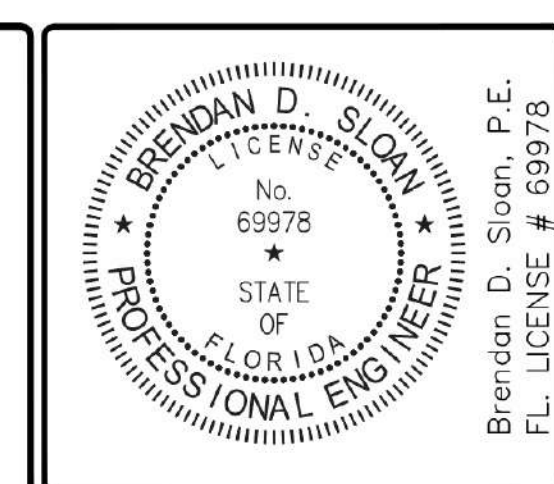
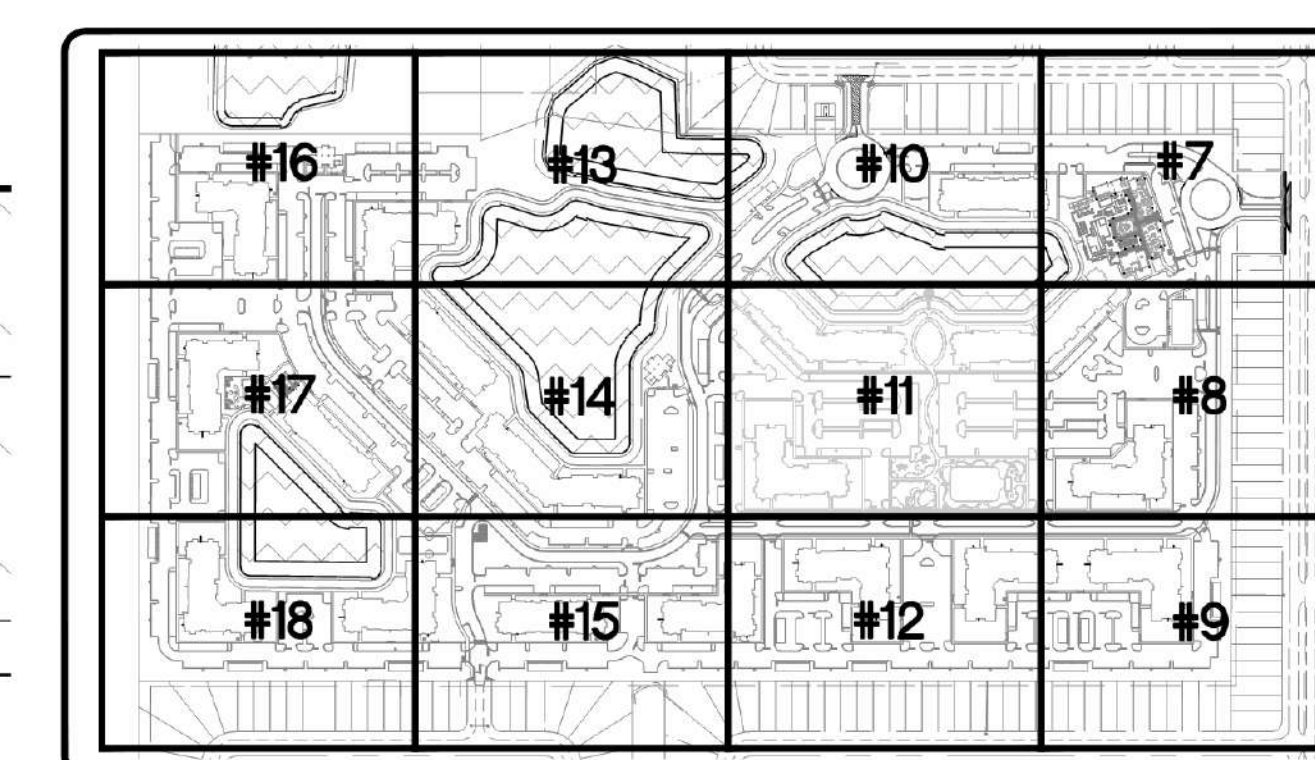
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,FAC ON 12/14/2021

DATE	BY	REVISION DESCRIPTION
8/11/21	BS	INITIAL CITY SUBMITTAL
8/11/21	BS	APPROVE CITY COMMENTS (09/28/21)
12/09/21	BS	APPROVE CITY COMMENTS (12/09/21)

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. #200
CAPE CORAL, FLORIDA 33904
FBE#3128 (239) 573-2077

EMBERS LAKE
MULTI-FAMILY COMPLEX
CAPE CORAL, FLORIDA

SITE DIMENSION AND
STRIPING PLAN



LEGEND

 CARPORT SPACES

 GARAGE



24" WHITE STOP BAR

STOP
(R-1)

DATE	BY	REVISION DESCRIPTION
8/11/21	BB	INITIAL CITY SUBMITAL
8/11/21	BS	PER CITY COMMENTS (09/28/21)
12/09/21	BS	PER CITY COMMENTS (12/06/21)

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

**EMBERS LAKE
MULTI-FAMILY COMPLEX**
CAPE CORAL, FLORIDA

SITE DIMENSION AND STRIPING PLAN

#20-136/CONST
11 OF 76

MATCH LINE SEE SHEET 14

MATCH LINE SEE SHEET 8

MATCH LINE SEE SHEET 12

VERTICAL ELEVATIONS BASED ON: NGVD 29

P:\04\2020\03-186\CONSTRUCTION\LOT104-16_DIMENSION PLAN.dwg, 12 SITE DIMENSION, 12/14/2021 9:23:55 AM, Avalon Engineering Inc.

MATCH LINE SEE SHEET 11

MATCH LINE SEE SHEET 15

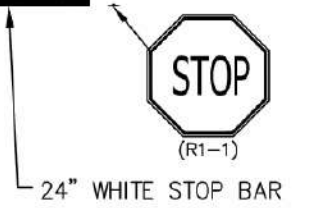
MATCH LINE SEE SHEET 9

	Heavy Duty Pavement	20,973.2 SQ FT
	Standard Duty Pavement	97,258.1 SQ FT
	Concrete Sidewalk	16,415.0 SQ FT
	6" Thick Concrete Apron	1,090.7 SQ FT

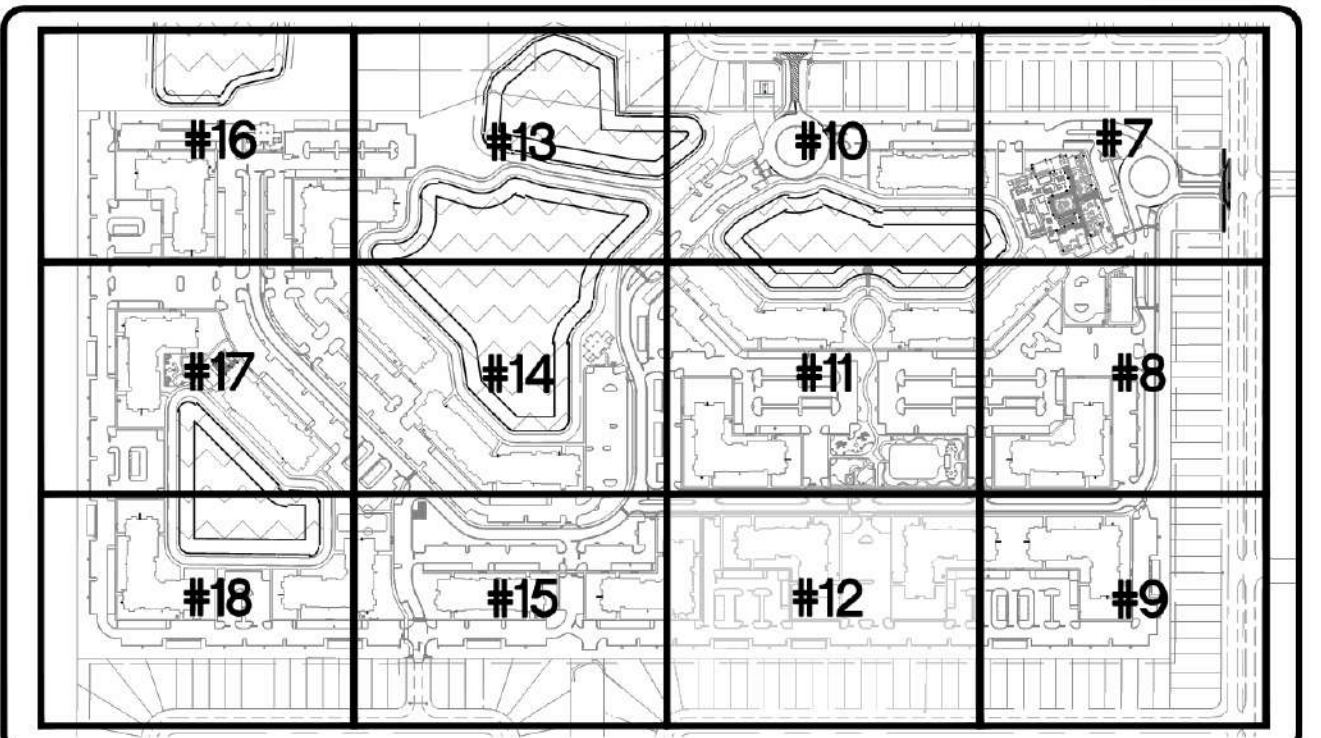
N.W.12TH PLACE
EXISTING 60' RW

LEGEND

	CARPORT SPACES
	GARAGE

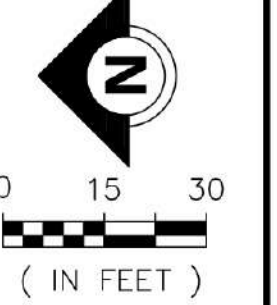
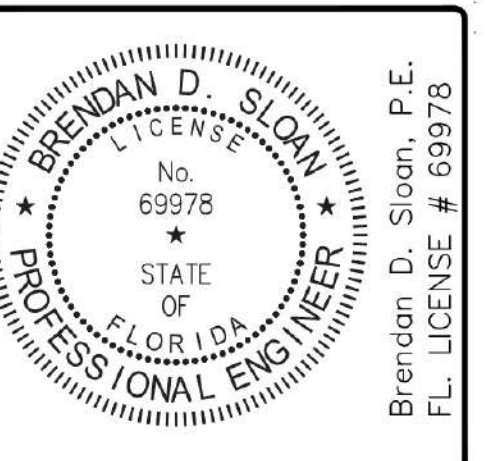


MISC. WALK AND STRIPING NOTES
CONCRETE WALK THAT ABUTS PAVEMENT SHALL
HAVE A THICKENED EDGE (SEE DETAIL).
REFER TO SHEET 20 FOR H/C AND TYPICAL PARKING
SPACE STRIPING, SYMBOLS AND SIGNAGE



KEY MAP

VERTICAL ELEVATIONS BASED ON: NGVD 29



THE OFFICIAL RECORD OF THIS
SHEET IS THE ELECTRONIC FILE
DIGITALLY SIGNED AND SEALED
UNDER RULE 61G15-23.004,FAC
ON 12/14/2021

DATE	BY	REVISION DESCRIPTION
8/11/21	BS	INITIAL CITY SUBMITAL
9/17/21	BS	ADDER CITY COMMENTS (09/28/21)
12/09/21	BS	ADDER CITY COMMENTS (12/09/21)

DATE: 12/14/2021
BY: BS
REVISION DESCRIPTION:
2503 DEL PRADO BLVD. #200
CAPE CORAL, FLORIDA 33904
FPE#3128 (239) 573-2077

EMBERS LAKE
MULTI-FAMILY COMPLEX
CAPE CORAL, FLORIDA

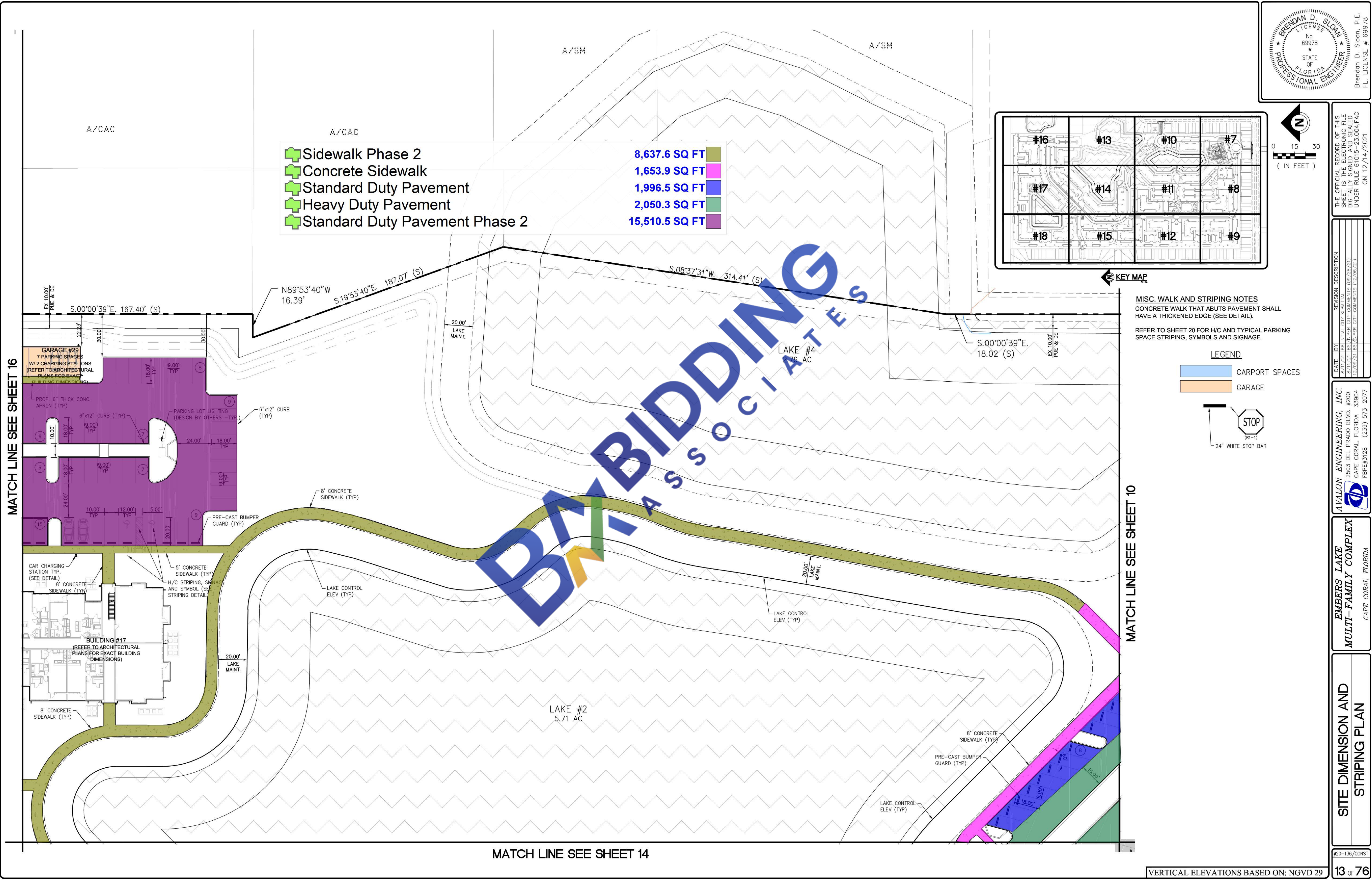
SITE DIMENSION AND
STRIPING PLAN

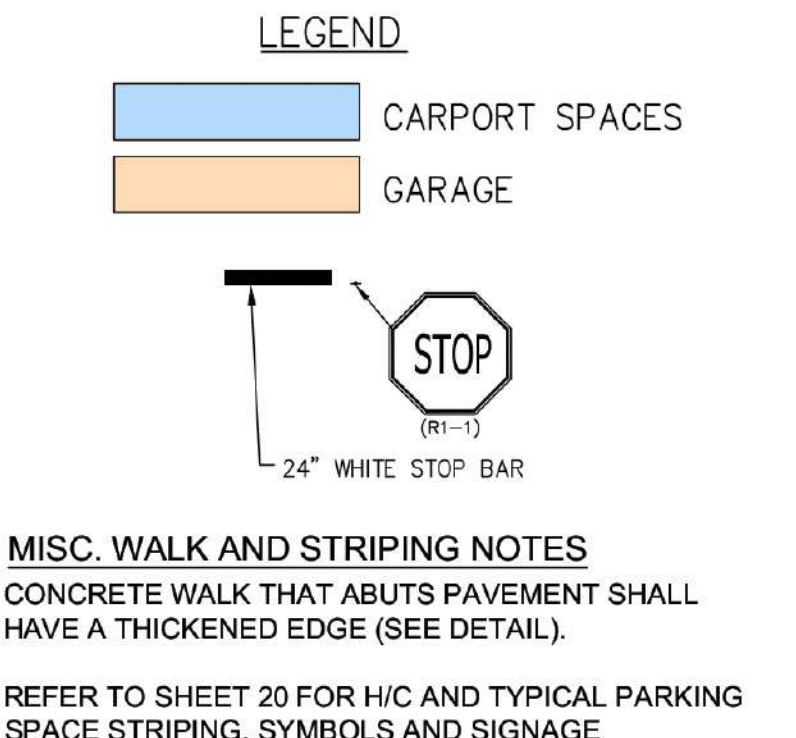
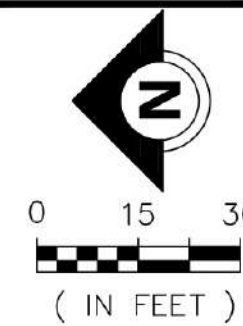
P:\CAD\2020\03-186\CONSTRUCTION\LOT204-16_DIMENSION PLAN.dwg, 13 SITE DIMENSION, 12/14/2021 9:24:15 AM, Avalon Engineering Inc.

MATCH LINE SEE SHEET 16

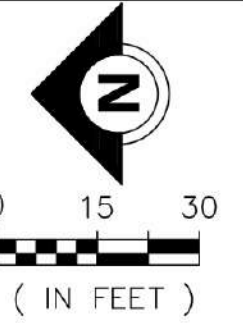
MATCH LINE SEE SHEET 14

MATCH LINE SEE SHEET 10









THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,FAC ON 12/14/2021

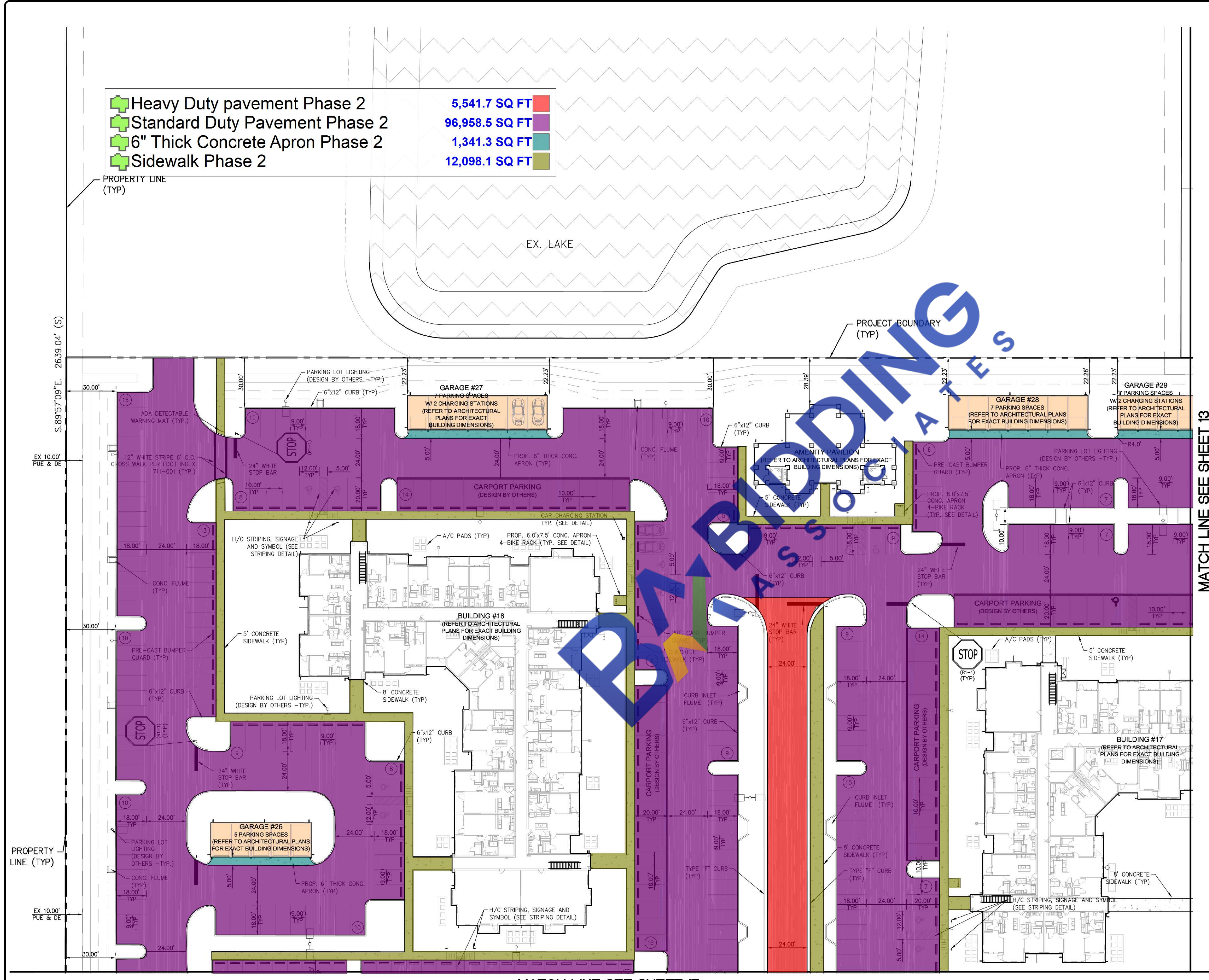
DATE	BY	REVISION DESCRIPTION
8/11/21	BS	INITIAL CITY SUBMITTAL
9/11/21	BS	LAKE PARK CITY COMMENTS (09/28/21)
12/09/21	BS	LAKE PARK CITY COMMENTS (12/09/21)

DATE: 8/11/21
BY: BS
REVISION DESCRIPTION: INITIAL CITY SUBMITTAL

EMBERS LAKE MULTI-FAMILY COMPLEX
CAPE CORAL, FLORIDA

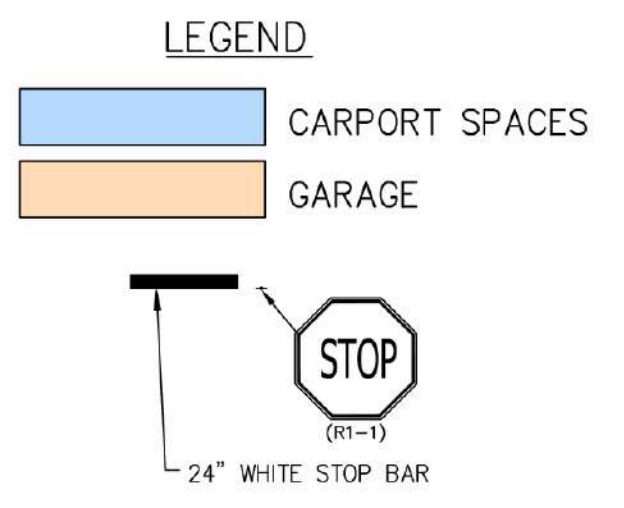
SITE DIMENSION AND STRIPING PLAN
#20-136/CONST
16 OF 76

- Heavy Duty pavement Phase 2 5,541.7 SQ FT
- Standard Duty Pavement Phase 2 96,958.5 SQ FT
- 6" Thick Concrete Apron Phase 2 1,341.3 SQ FT
- Sidewalk Phase 2 12,098.1 SQ FT

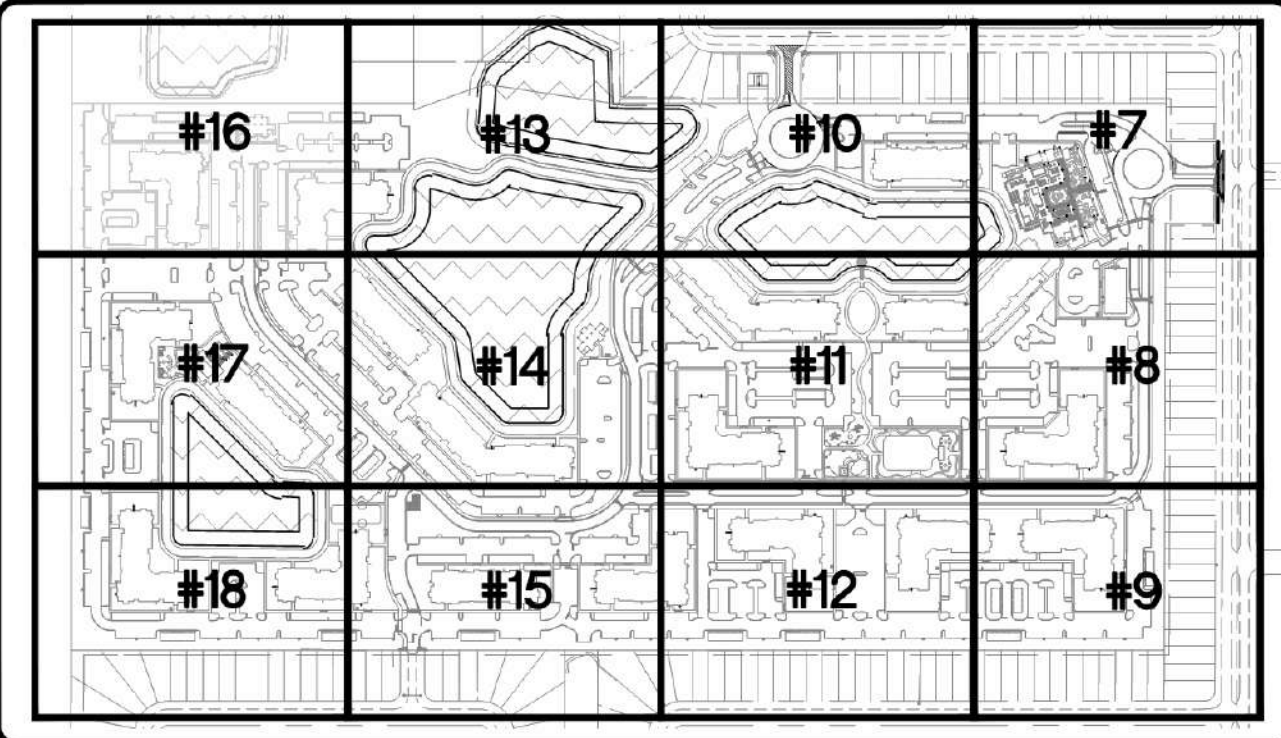


MATCH LINE SEE SHEET 13

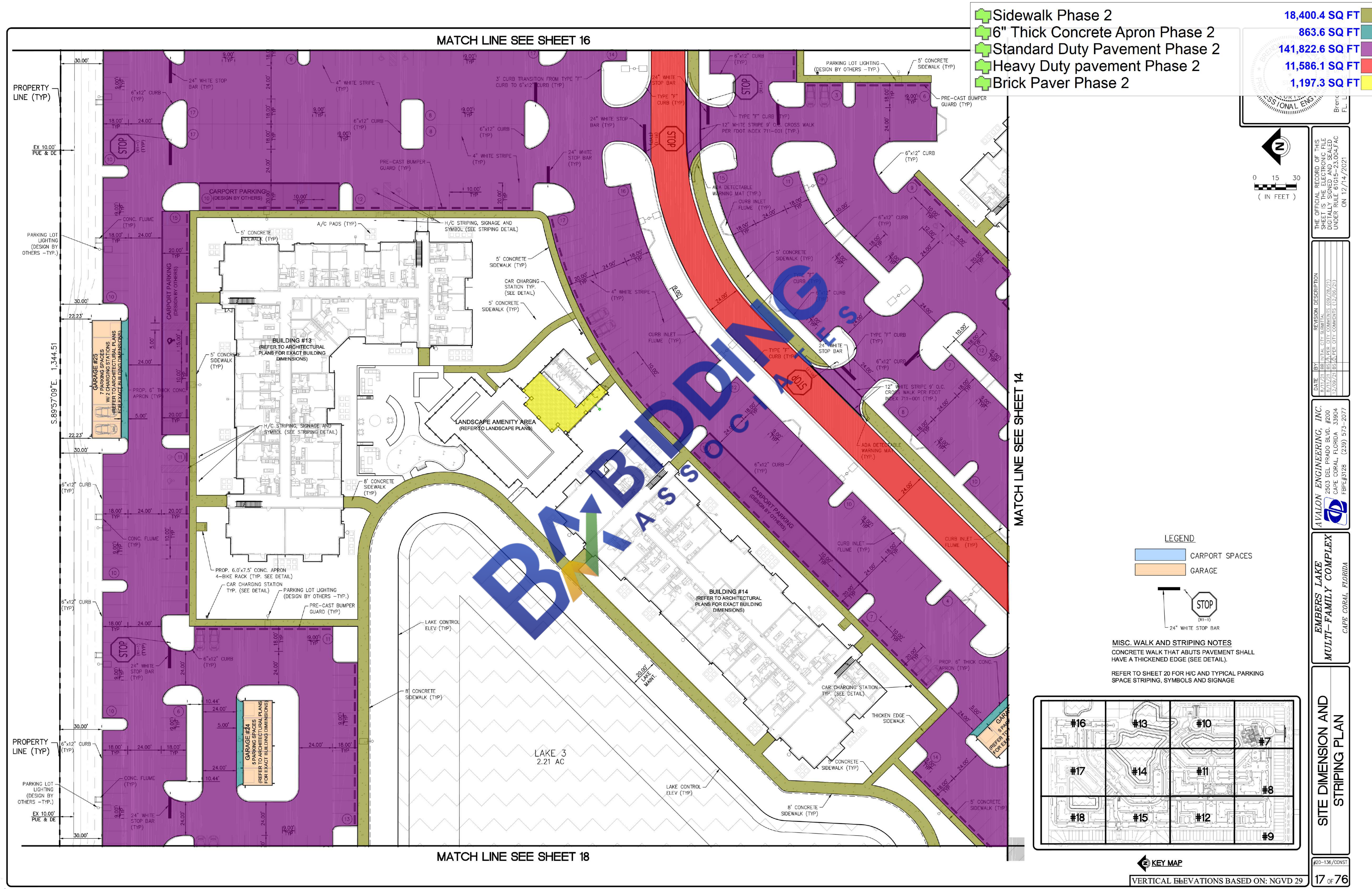
MATCH LINE SEE SHEET 17



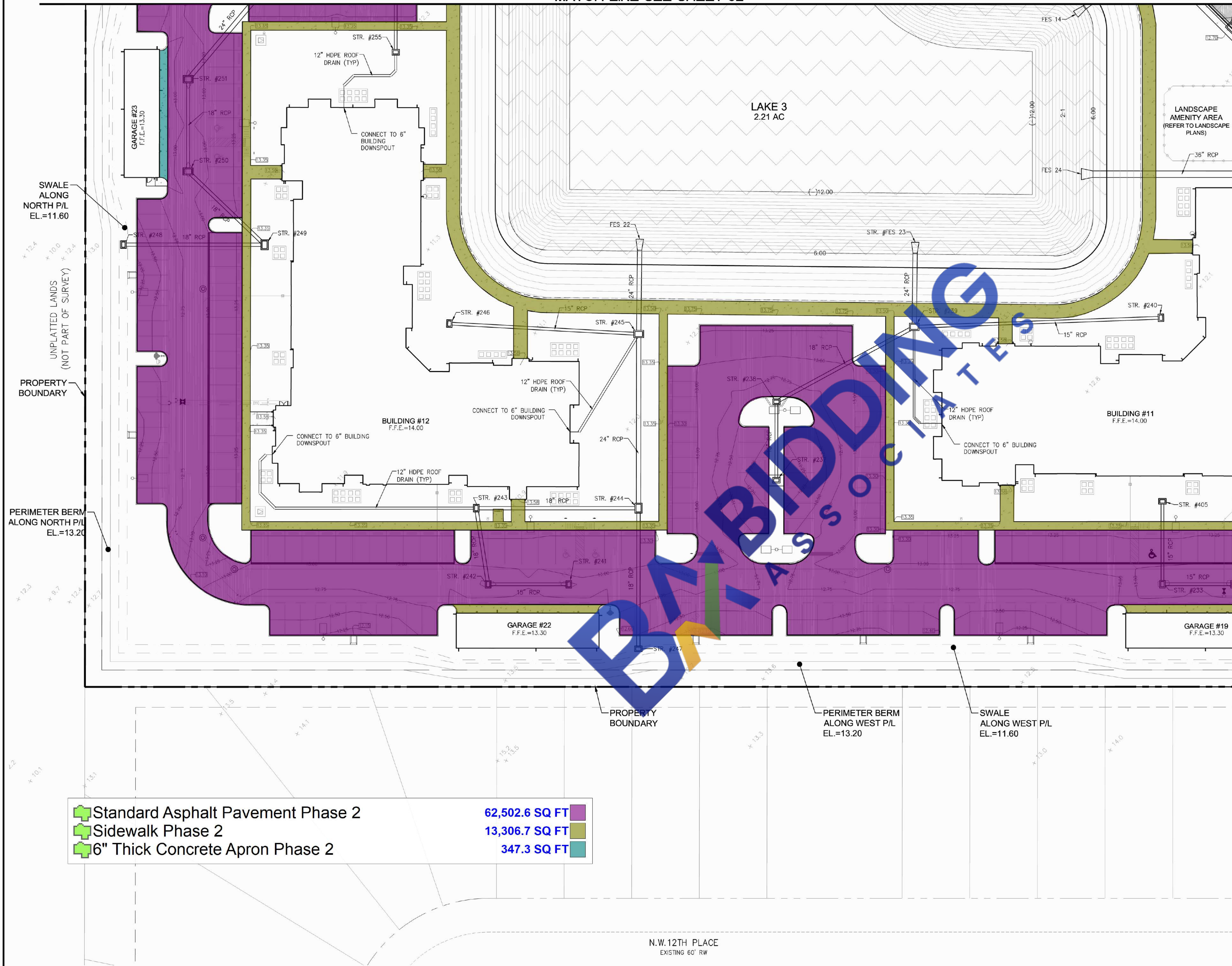
MISC. WALK AND STRIPING NOTES
CONCRETE WALK THAT ABUTS PAVEMENT SHALL HAVE A THICKENED EDGE (SEE DETAIL).
REFER TO SHEET 20 FOR H/C AND TYPICAL PARKING SPACE STRIPING, SYMBOLS AND SIGNAGE



KEY MAP
VERTICAL ELEVATIONS BASED ON: NGVD 29



MATCH LINE SEE SHEET 32



MATCH LINE SEE SHEET 30

Standard Asphalt Pavement Phase 2	62,502.6 SQ FT
Sidewalk Phase 2	13,306.7 SQ FT
6" Thick Concrete Apron Phase 2	347.3 SQ FT

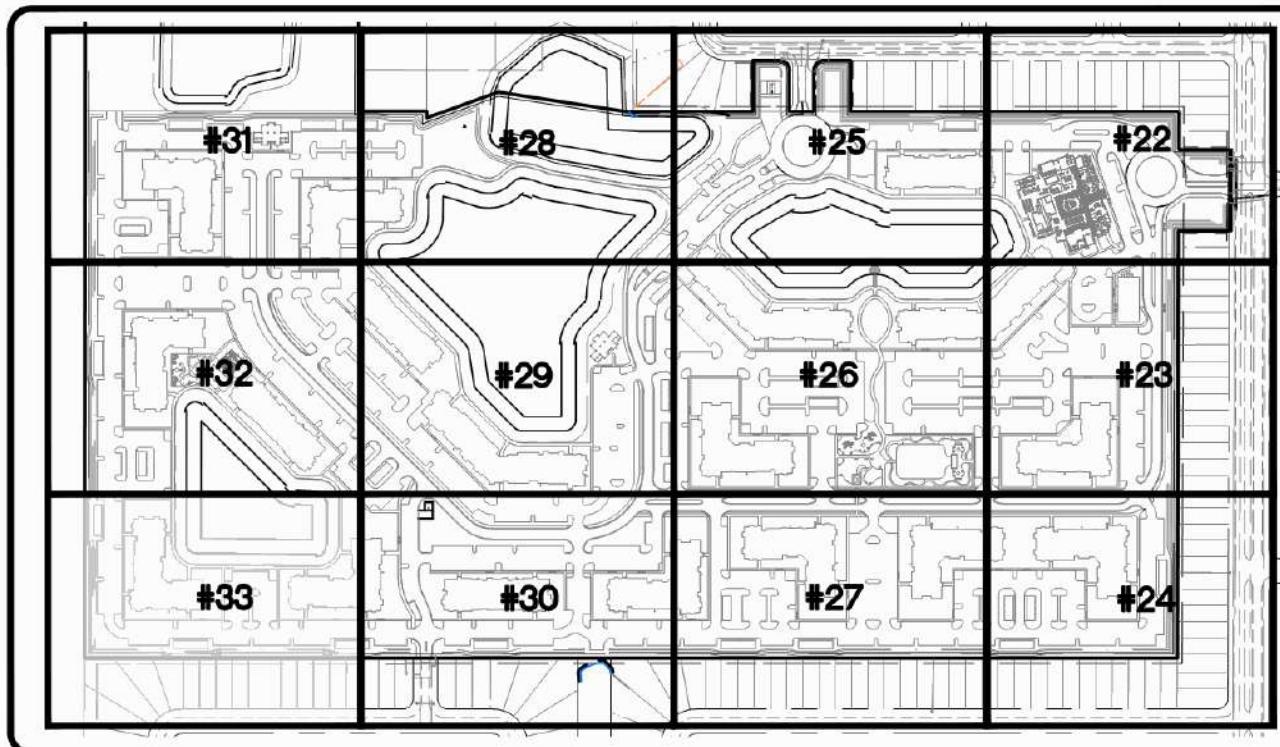
MISC. DRAINAGE NOTES:

ALL DESIGN ELEVATIONS WITHIN CITY R/W INCLUDING PAVEMENT, WALKS, DRIVES, SWALES & CULVERTS ARE TO BE COORDINATED WITH CITY OF CAPE CORAL PUBLIC WORKS DEPT. PRIOR TO CONSTRUCTION.

REFER TO CITY OF CAPE CORAL E.D.S. SHEETS D-10 THRU D-15 FOR ADDITIONAL DRIVEWAY DETAILS

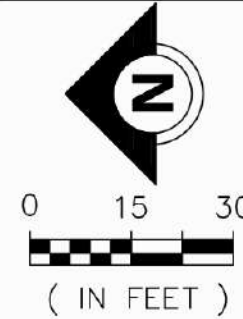
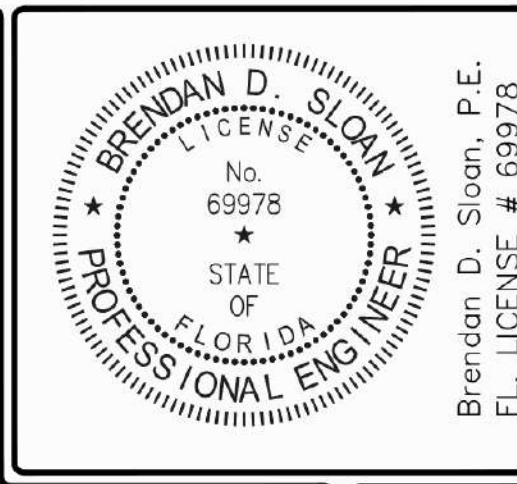
REFER TO SHEET #37 & 38 FOR INLET STRUCTURE DATA TABLES

DATA AND LOCATION OF EXISTING UTILITY AND STORM DRAIN INFRASTRUCTURE TAKEN FROM CITY OF CAPE CORAL G.I.S. & U.E.P. (UTILITY EXTENSION PROJECT). ANY PROPOSED POINT OF CONNECTION TO EXISTING INFRASTRUCTURE SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.



KEY MAP

VERTICAL ELEVATIONS BASED ON: NGVD 29



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,FAC ON 12/14/2021

DATE: 8/11/21 BY: BBS/ALP/ALP REVISION DESCRIPTION: INITIAL CITY SUBMITTAL 8/11/21 BBS/ALP/ALP PER CITY COMMENTS (09/28/21) 12/09/21 BBS/ALP/ALP PER CITY COMMENTS (12/09/21)

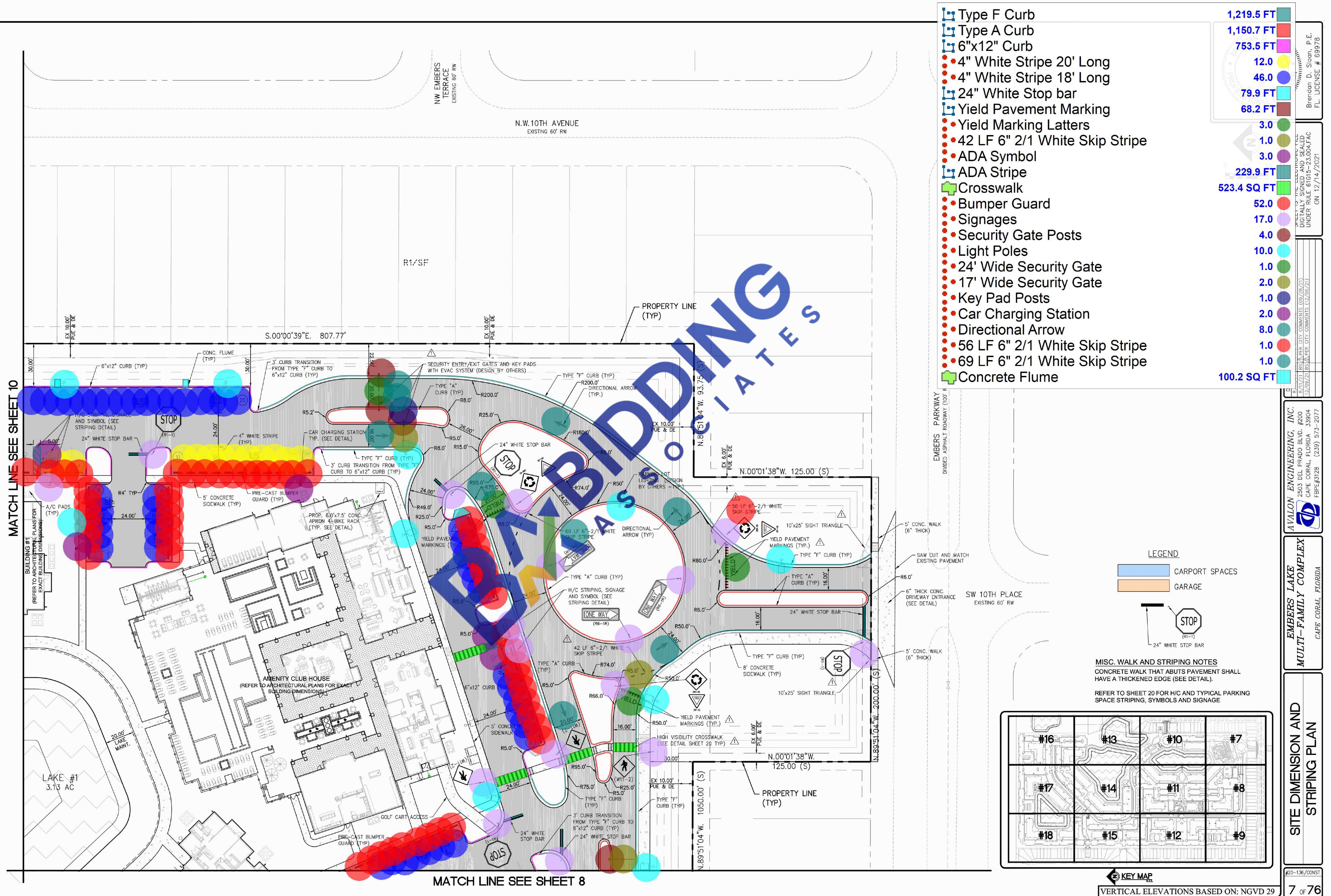
AVALON ENGINEERING, INC. 2503 DEL PRADO BLVD. #200 CAPE CORAL, FLORIDA 33904 FBPE#3128 (239) 573-2077

EMBERS LAKE MULTI-FAMILY COMPLEX CAPE CORAL, FLORIDA

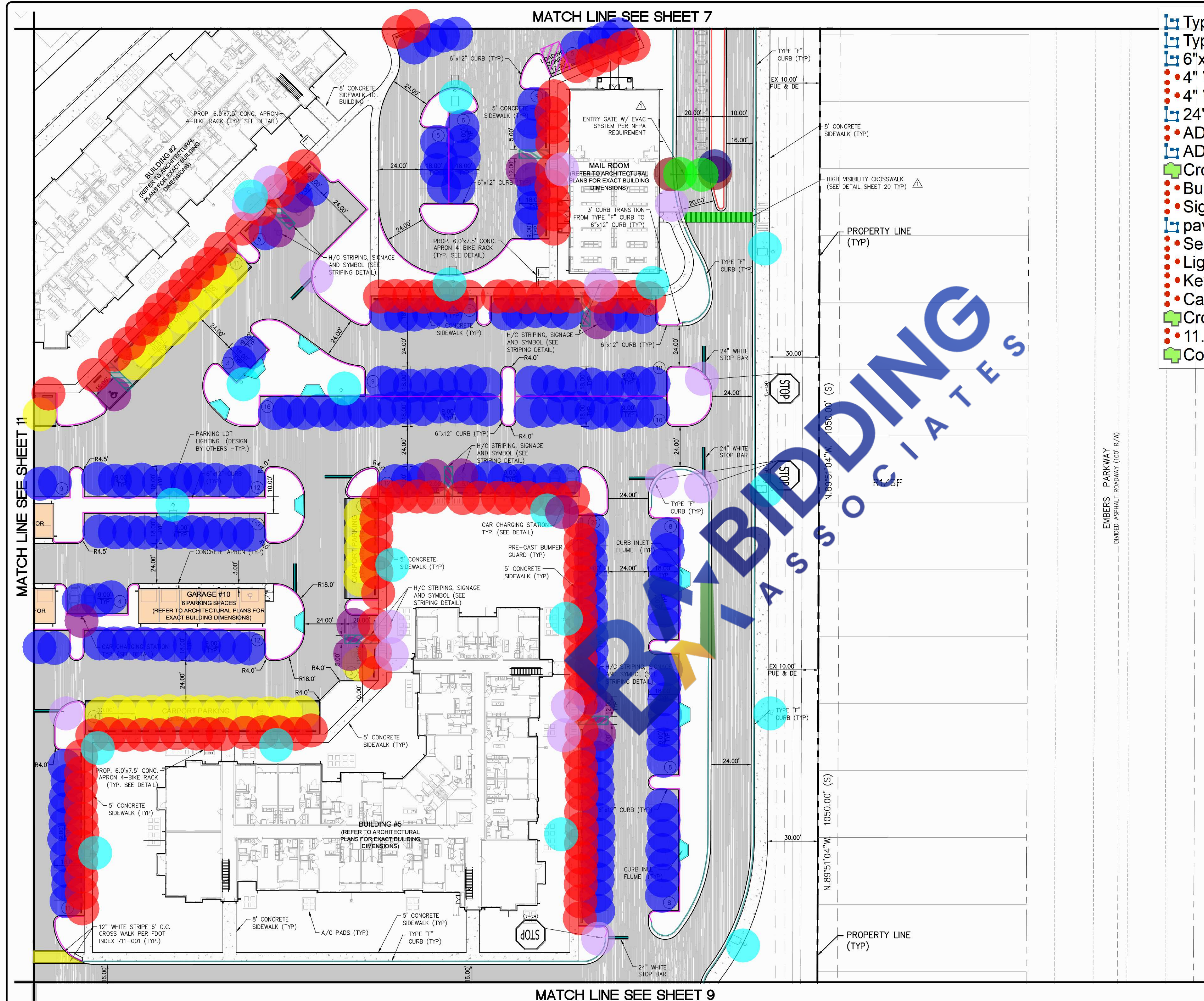
PAVING, GRADING AND DRAINAGE PLANS

#20-136/CONST

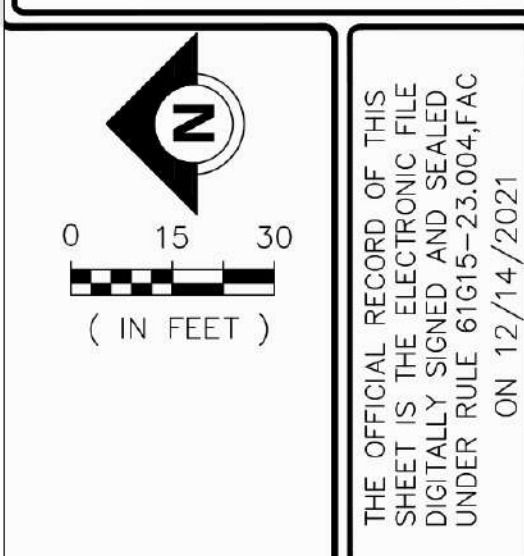
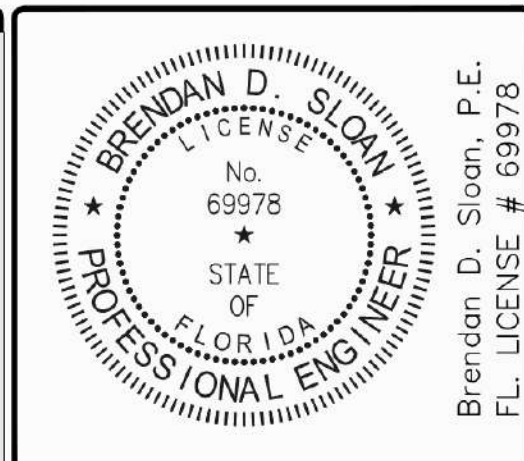
33 OF 76



P:\CAD\2020\03-186\CONSTRUCTION\LOT03-186_DIMENSION PLAN.dwg, & SITE DIMENSION, 12/14/2021 9:22:35 AM, Avelon Engineering Inc.



Type F Curb	1,418.4 FT
Type A Curb	217.7 FT
6"x12" Curb	2,521.4 FT
4" White Stripe 20' Long	29.0
4" White Stripe 18' Long	189.0
24" White Stop bar	126.8 FT
ADA Symbol	11.0
ADA Stripe	517.2 FT
Crosswalk	256.7 SQ FT
Bumper Guard	122.0
Signages	15.0
pavement Stripe	396.8 FT
Security Gate Posts	2.0
Light Poles	18.0
Key Pad Posts	1.0
Car Charging Station	2.0
Crosswalk @6' o.c.	183.2 SQ FT
11.5' Wide Security Gate	2.0
Concrete Flume	599.4 SQ FT



DATE	BY	REVISION DESCRIPTION
8/11/21	BB	INITIAL CITY SUBMITTAL
9/11/21	BS	PER CITY COMMENTS (09/28/21)
12/09/21	BS	PER CITY COMMENTS (12/09/21)

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,FAC ON 12/14/2021

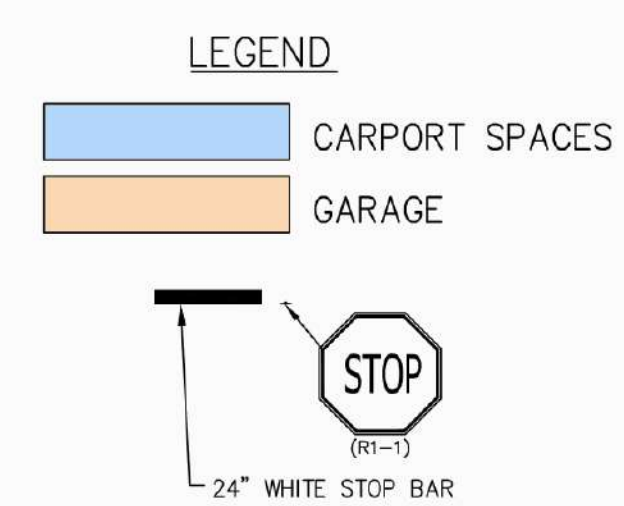
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

EMBERS LAKE
MULTI-FAMILY COMPLEX
CAPE CORAL, FLORIDA

SITE DIMENSION AND STRIPING PLAN

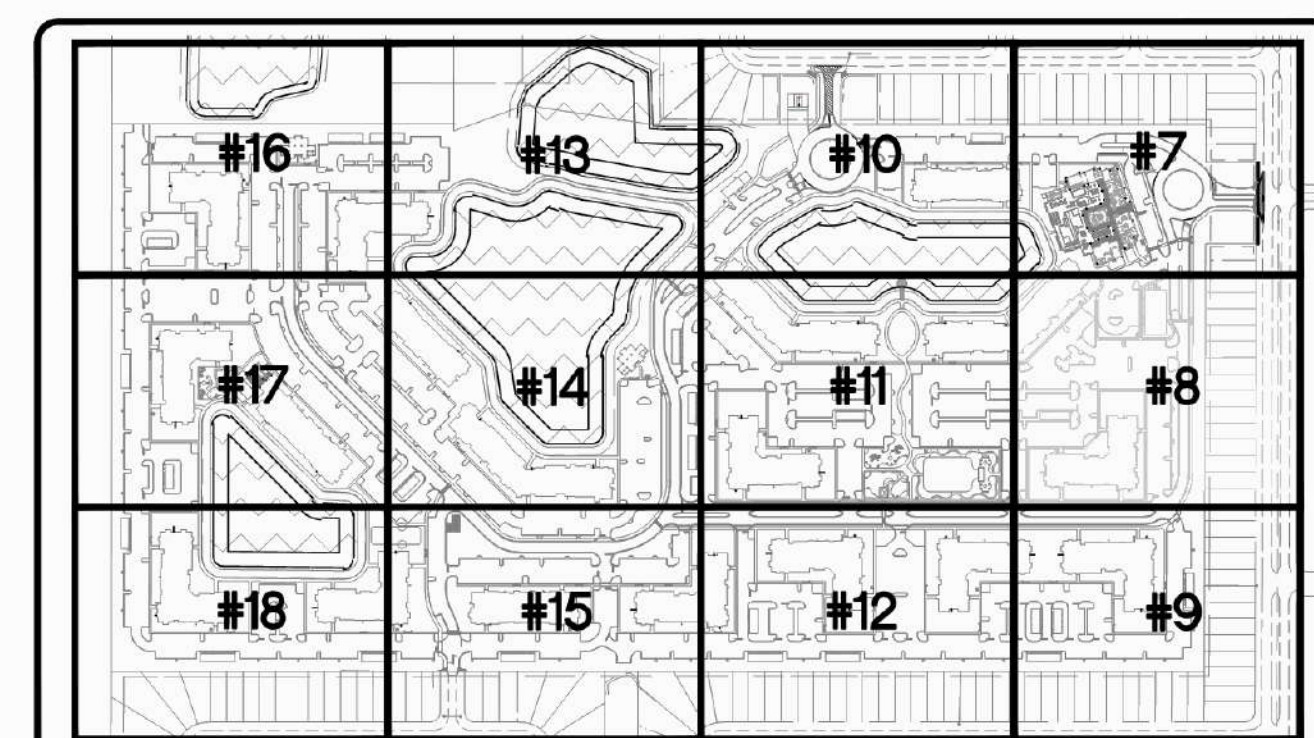
#20-136/CONST

8 OF 76



MISC. WALK AND STRIPING NOTES
CONCRETE WALK THAT ABUTS PAVEMENT SHALL HAVE A THICKENED EDGE (SEE DETAIL).

REFER TO SHEET 20 FOR H/C AND TYPICAL PARKING SPACE STRIPING, SYMBOLS AND SIGNAGE

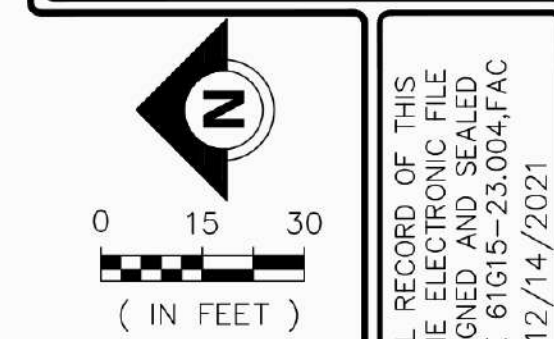
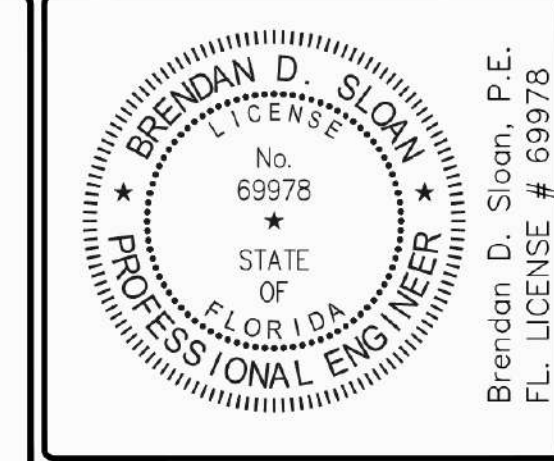


KEY MAP

VERTICAL ELEVATIONS BASED ON: NGVD 29



Type F Curb	1,069.8 FT
6"x12" Curb	1,779.3 FT
4" White Stripe 20' Long	17.0
4" White Stripe 18' Long	82.0
24" White Stop bar	116.2 FT
ADA Symbol	7.0
ADA Stripe	308.9 FT
Bumper Guard	79.0
Signages	15.0
Light Poles	10.0
Car Charging Station	1.0
Crosswalk @9' o.c	254.1 SQ FT
Concrete Flume	140.0 SQ FT



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,FAC ON 12/14/2021

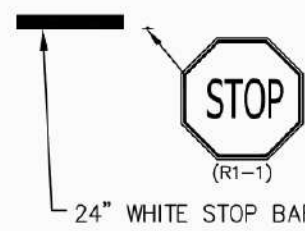
DATE	BY	REVISION DESCRIPTION
8/11/21	BB	INITIAL CITY SUBMITAL
9/11/21	BS	LAKE CITY COMMENTS (09/28/21)
12/09/21	BS	LAKE CITY COMMENTS (12/09/21)

DATE: 12/14/2021
BY: BS
REVISION DESCRIPTION: LAKE CITY COMMENTS (12/09/21)

EMBERS LAKE MULTI-FAMILY COMPLEX
CAPE CORAL, FLORIDA

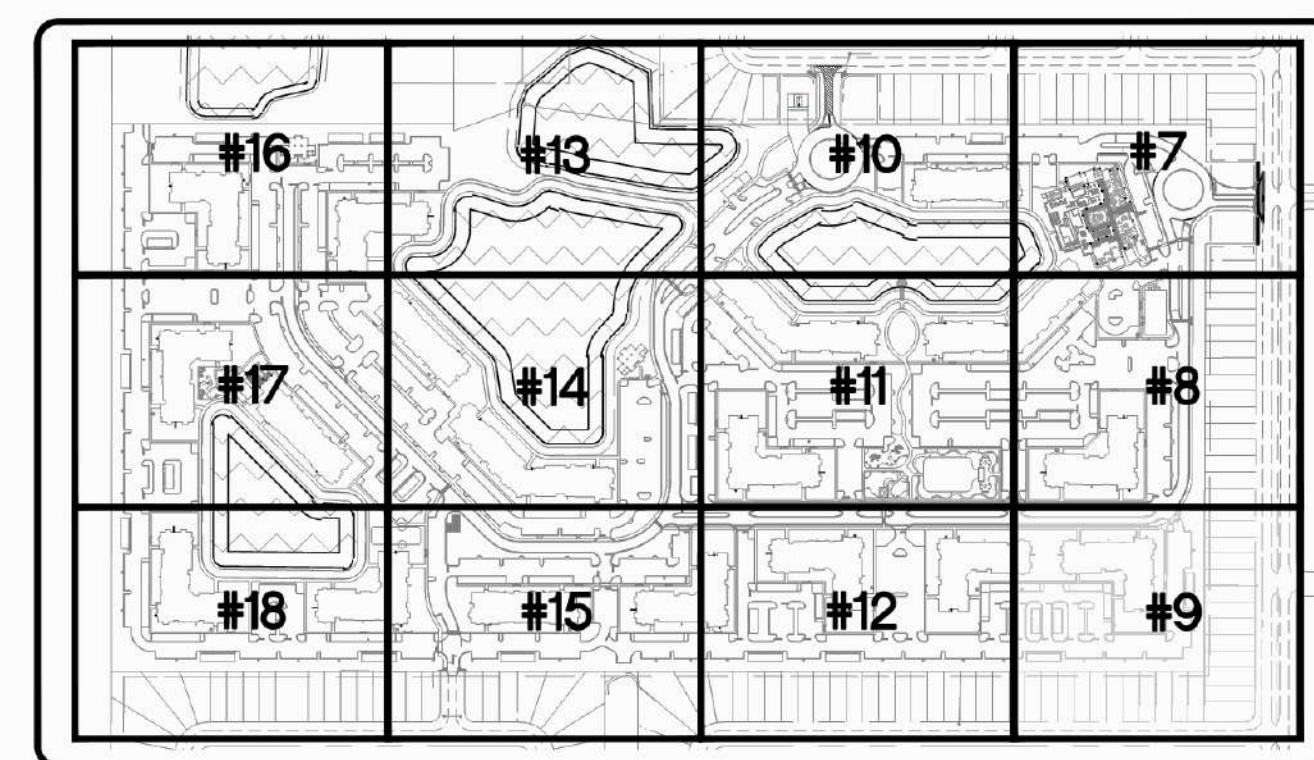
SITE DIMENSION AND STRIPING PLAN
#20-136/CONST
9 OF 76

LEGEND	
	CARPORT SPACES
	GARAGE



MISC. WALK AND STRIPING NOTES
CONCRETE WALK THAT ABUTS PAVEMENT SHALL HAVE A THICKENED EDGE (SEE DETAIL).

REFER TO SHEET 20 FOR H/C AND TYPICAL PARKING SPACE STRIPING, SYMBOLS AND SIGNAGE



KEY MAP

VERTICAL ELEVATIONS BASED ON: NGVD 29

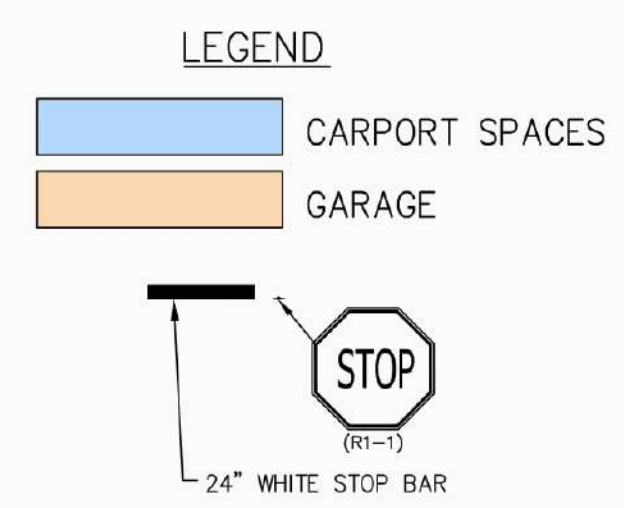
P:\04\020203-186\CONSTRUCTION\LOT20-186_DIMENSION PLAN.dwg, 10 SITE DIMENSION, 12/14/2021 9:23:15 AM, Avalon Engineering Inc.

MATCH LINE SEE SHEET 13

MATCH LINE SEE SHEET 11

MATCH LINE SEE SHEET 7

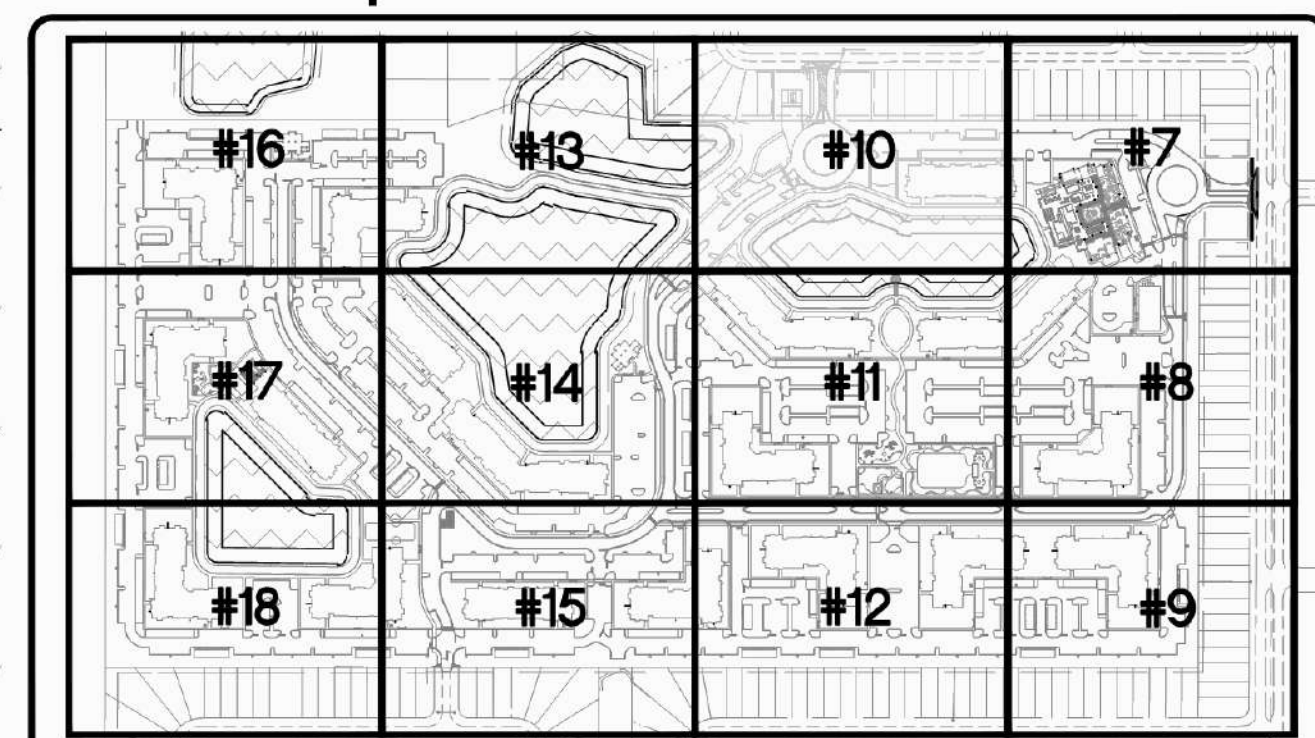
- Type F Curb
 - 1" Mill Area
 - Type A Curb
 - 6"x12" Curb
 - 4" White Stripe 20' Long
 - 4" White Stripe 18' Long
 - 24" White Stop bar
 - Yield Pavement Marking
 - Yield Marking Latters
 - ADA Symbol
 - ADA Stripe
 - Crosswalk
 - Bumper Guard
 - Signages
 - Security Gate Posts
 - Light Poles
 - 17' Wide Security Gate
 - Key Pad Posts
 - Car Charging Station
 - Directional Arrow
 - 31' Long 18" Solid yellow Stripe
 - 39 LF 6" 2/1 White Skip Stripe
 - 34 LF 6" 2/1 White Skip Stripe
 - 41 LF 6" 2/1 White Skip Stripe
 - 10' Wide Security gate
 - Concrete Flume
 - 10' Wide Security Gate
- | | |
|-------------|---------------|
| 558.3 FT | 2,907.8 SQ FT |
| 998.3 FT | 800.9 FT |
| 19.0 | 63.0 |
| 36.3 FT | 52.6 FT |
| 3.0 | 3.0 |
| 157.4 FT | 203.8 SQ FT |
| 74.0 | 11.0 |
| 4.0 | 4.0 |
| 10.0 | 1.0 |
| 1.0 | 1.0 |
| 1.0 | 1.0 |
| 8.0 | 1.0 |
| 1.0 | 1.0 |
| 1.0 | 1.0 |
| 1.0 | 1.0 |
| 2.0 | 1.0 |
| 324.7 SQ FT | 1.0 |



MISC. WALK AND STRIPING NOTES

CONCRETE WALK THAT ABUTS PAVEMENT SHALL HAVE A THICKENED EDGE (SEE DETAIL).

REFER TO SHEET 20 FOR H/C AND TYPICAL PARKING SPACE STRIPING, SYMBOLS AND SIGNAGE



KEY MAP

VERTICAL ELEVATIONS BASED ON: NGVD 29

DATE	BY	REV
8/11/21	BE	INITIAL CITY SUBMIT
8/11/21	BS	LAKE CITY COM
12/09/21	BS	LAKE CITY COM

AVALON ENGINEERING, INC.

2503 DEL PRADO BLVD. #200

CAPE CORAL, FLORIDA 33904

FBPE#3128 (239) 573-2077

EMBERS LAKE MULTI-FAMILY COMPLEX

CAPE CORAL, FLORIDA

SITE DIMENSION AND STRIPING PLAN

#20-136/CONST

10 OF 76

MATCH LINE SEE SHEET 10

LAKE #1
3.13 AC

WOOD DECK (DESIGN
BY OTHERS)

20.00' LAKE
MAINT.

8" CONCRETE
SIDEWALK (TYP)

A/C PADS (TYP)

8" CONCRETE
SIDEWALK (TYP)

A/C PADS (TYP)

BUILDING #3
(REFER TO ARCHITECTURAL
PLANS FOR EXACT BUILDING
DIMENSIONS)

PROP. 6.0'x7.5' CONC.
APRON 4-BIKE RACK
(TYP. SEE DETAIL)

CAR CHARGING STATION
TYP. (SEE DETAIL)

5' CONCRETE
SIDEWALK (TYP)

H/C STRIPING, SIGNAGE
AND SYMBOL (SEE
STRIPING DETAIL)

CAR CHARGING STATION
TYP. (SEE DETAIL)

H/C STRIPING, SIGNAGE
AND SYMBOL (SEE STRIPING DETAIL)

BUILDING #2
(REFER TO ARCHITECTURAL
PLANS FOR EXACT BUILDING
DIMENSIONS)

PROP. 6.0'x7.5' CONC.
APRON 4-BIKE RACK
(TYP. SEE DETAIL)

CAR CHARGING STATION
TYP. (SEE DETAIL)

5' CONCRETE
SIDEWALK (TYP)

GARAGE #6
6 PARKING SPACES
(REFER TO ARCHITECTURAL PLANS FOR
EXACT BUILDING DIMENSIONS)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

GARAGE #7
6 PARKING SPACES
(REFER TO ARCHITECTURAL PLANS FOR
EXACT BUILDING DIMENSIONS)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

GARAGE #8
6 PARKING SPACES
(REFER TO ARCHITECTURAL PLANS FOR
EXACT BUILDING DIMENSIONS)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

GARAGE #9
6 PARKING SPACES
(REFER TO ARCHITECTURAL PLANS FOR
EXACT BUILDING DIMENSIONS)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

6"x12" CURB
(TYP)

TOT LOT

TOT LOT

TOT LOT

TOT LOT

TOT LOT

TOT LOT

TOT LOT

TOT LOT

TOT LOT

TOT LOT

TOT LOT

TOT LOT

TOT LOT

TOT LOT

TOT LOT

MATCH LINE SEE SHEET 14

MATCH LINE SEE SHEET 8

MATCH LINE SEE SHEET 12

VERTICAL ELEVATIONS BASED ON: NGVD 29

1,138.9 FT
3,589.5 FT
94.0
228.0
152.5 FT
11.0
461.7 FT
77.5 SQ FT
218.0
18.0
16.0
7.0
394.3 FT
505.8 SQ FT
1.0
2.0
576.2 SQ FT

Type F Curb
6"x12" Curb
4" White Stripe 20' Long
4" White Stripe 18' Long
24" White Stop bar
ADA Symbol
ADA Stripe
Crosswalk
Bumper Guard
Signages
Light Poles
Car Charging Station
Fence @ Dog Park
12" Crosswalk @ 6' o.c.
8' Wide Fence gate
4' Wide Fence Gate
Concrete Flume

CARPORT SPACES
GARAGE

STOP
(R-1)

24" WHITE STOP BAR

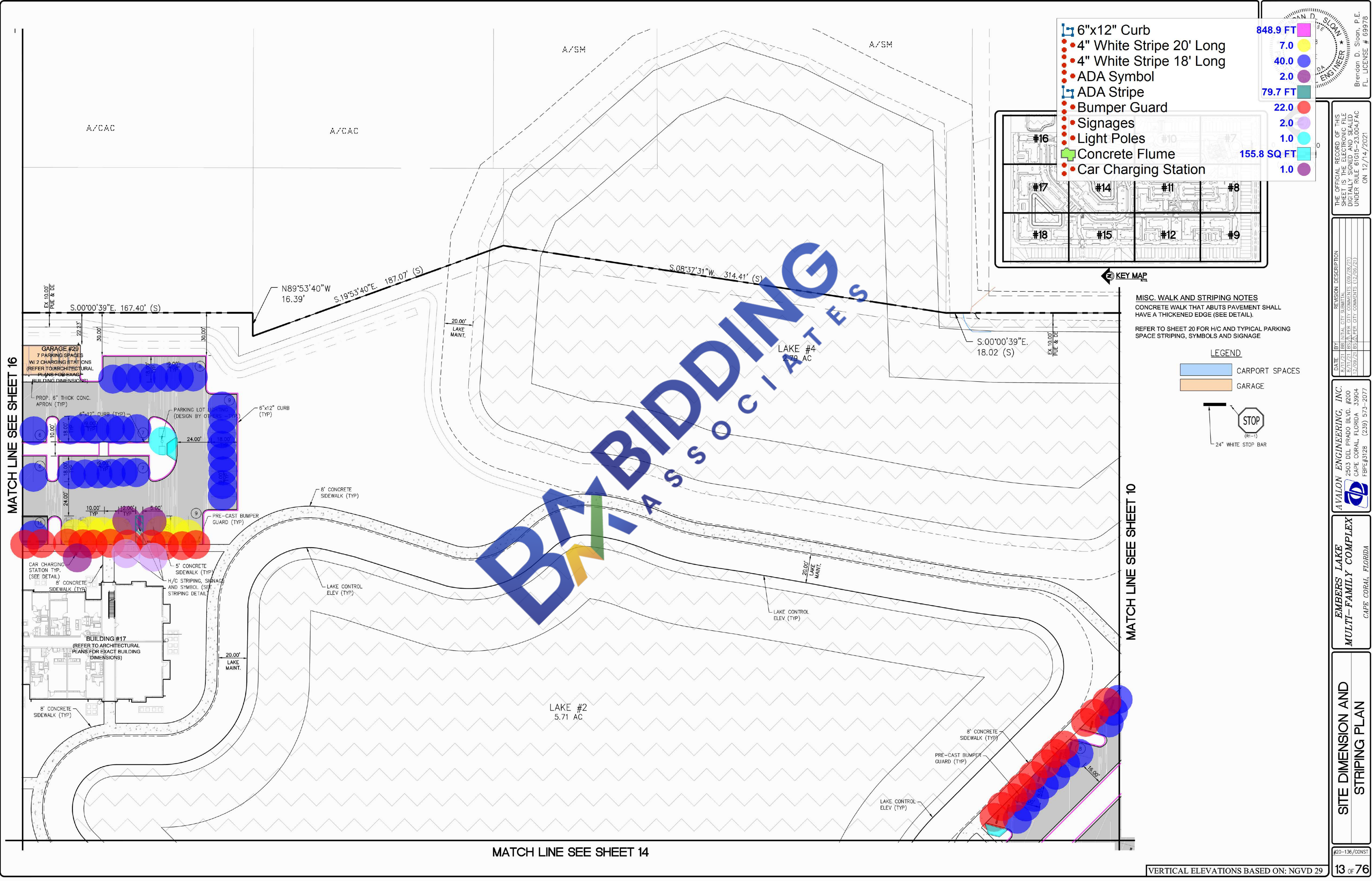
DATE	BY	REVISION	DESCRIPTION
8/11/21	BE	1	INITIAL CITY SUBMITTAL
8/11/21	BS	2	PER CITY COMMENTS (09/2)
12/09/21	BS	3	PER CITY COMMENTS (12/0)

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

EMBERS LAKE
MULTI-FAMILY COMPLEX
CAPE CORAL, FLORIDA

SITE DIMENSION AND
STRIPING PLAN

P:\CAD\2020\03-186\CONSTRUCTION\LOT03-186_DIMENSION PLAN.dwg, 12/14/2021 9:24:15 AM, Avalon Engineering Inc.



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,FAC ON 12/14/2021

BRANDON D. SLOAN, P.E.
FL. LICENSE # 69978

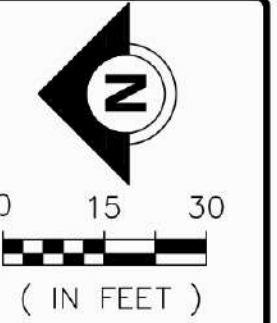
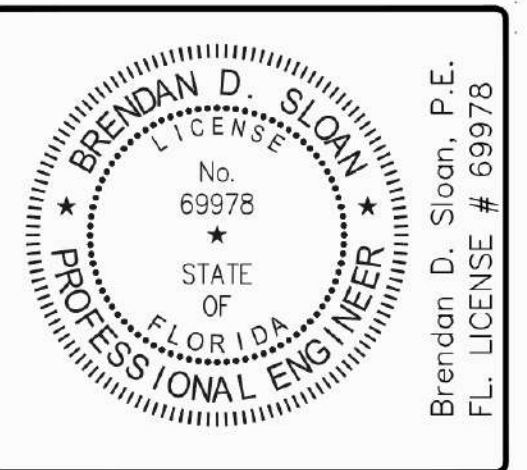
EMBERS LAKE MULTI-FAMILY COMPLEX
CAPE CORAL, FLORIDA

EMBERS LAKE MULTI-FAMILY COMPLEX
CAPE CORAL, FLORIDA

EMBERS LAKE MULTI-FAMILY COMPLEX
CAPE CORAL, FLORIDA

P:\04\2020\03-186\CONSTRUCTION\LOT20-186_DIMENSION PLAN.dwg, 12/14/2021 9:23:55 AM, Avalon Engineering Inc.

MATCH LINE SEE SHEET 11



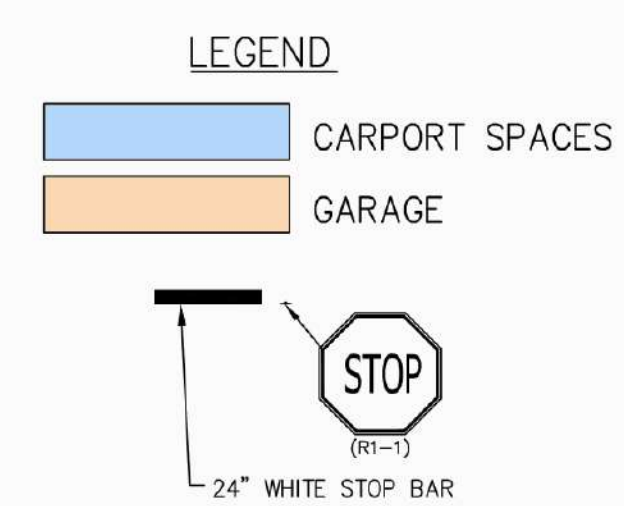
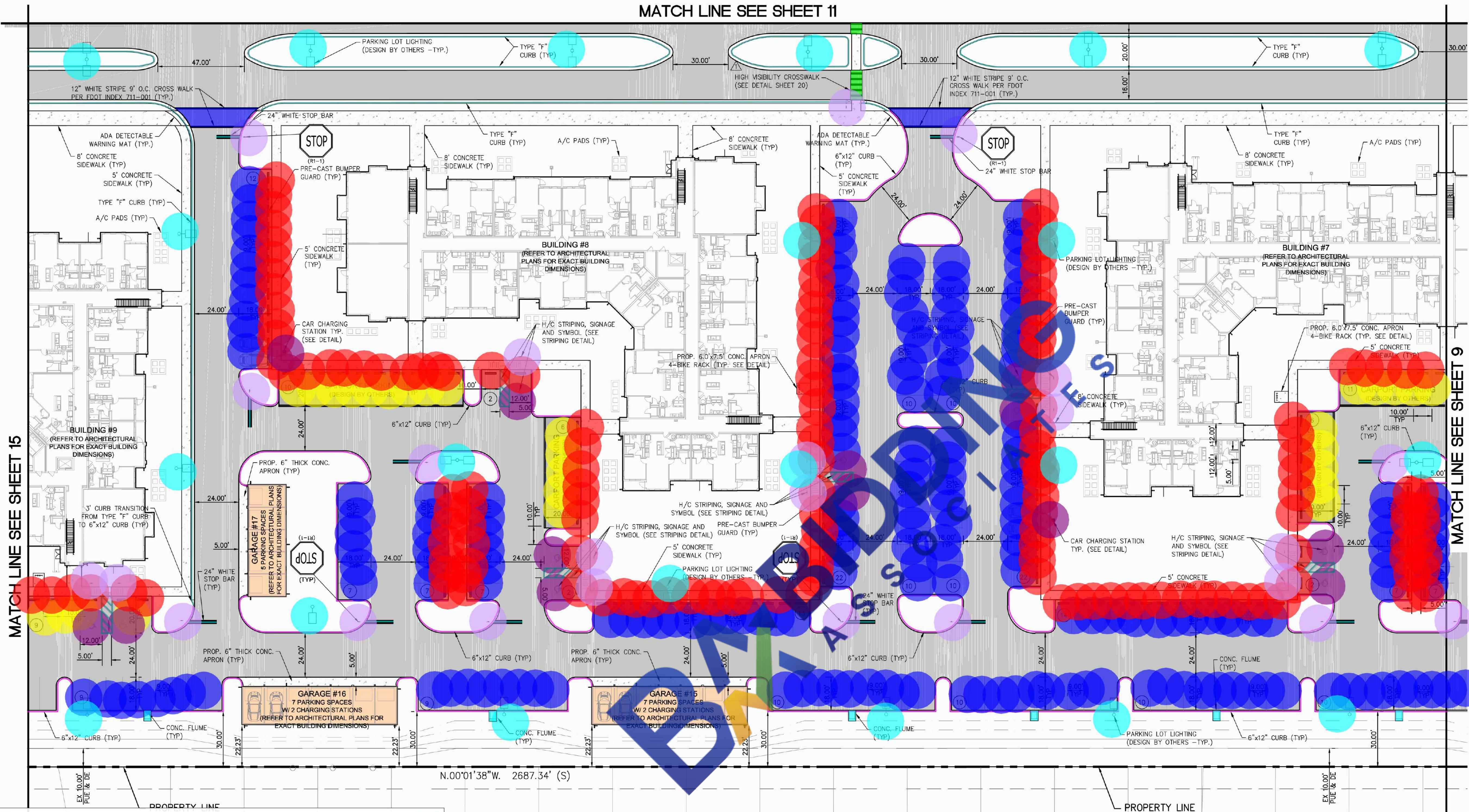
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,FAC ON 12/14/2021

DATE	BY	REVISION DESCRIPTION
8/11/21	BE	INITIAL CITY SUBMITTAL
8/11/21	BS	PER CITY COMMENTS (09/28/21)
12/09/21	BS	PER CITY COMMENTS (12/09/21)

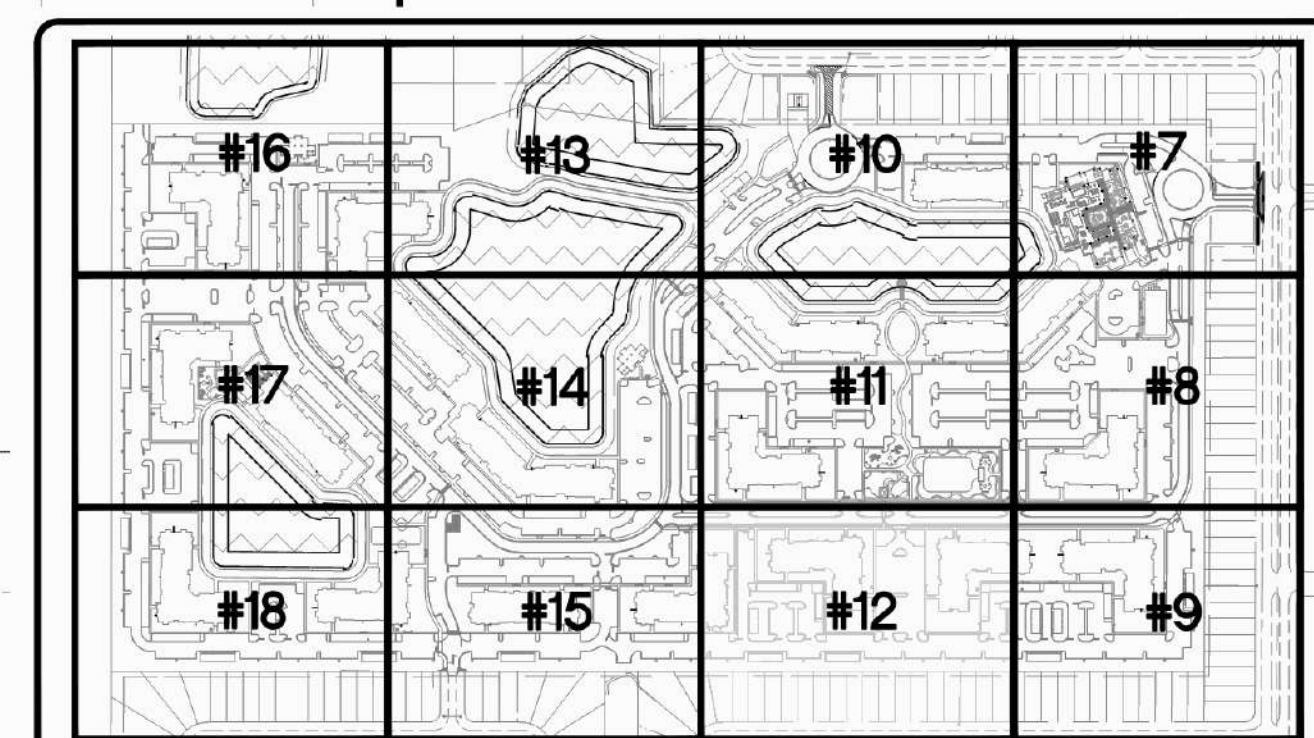
DATE: 8/11/21
BY: BE
REVISION DESCRIPTION: INITIAL CITY SUBMITTAL

EMBERS LAKE MULTI-FAMILY COMPLEX
CAPE CORAL, FLORIDA

SITE DIMENSION AND STRIPING PLAN
#20-136/CONST
12 OF 76

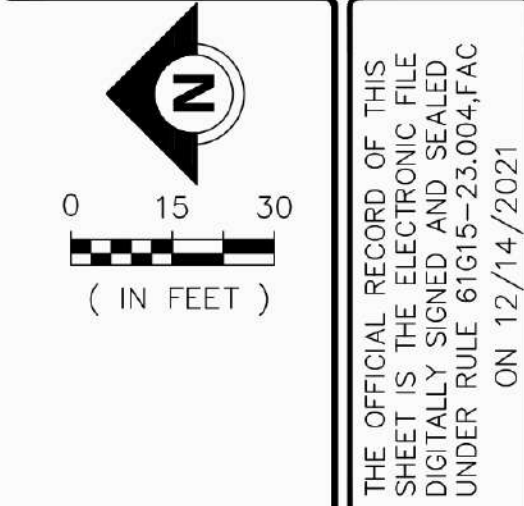
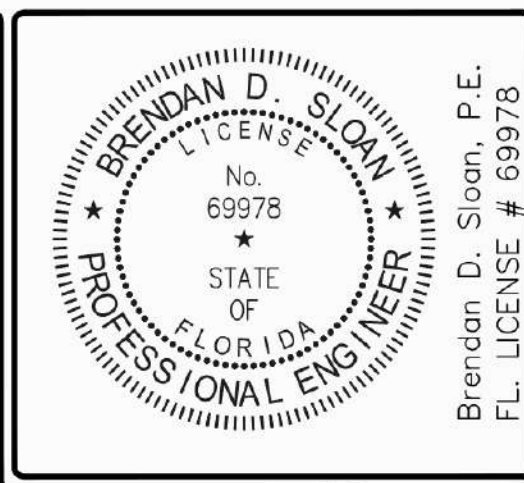
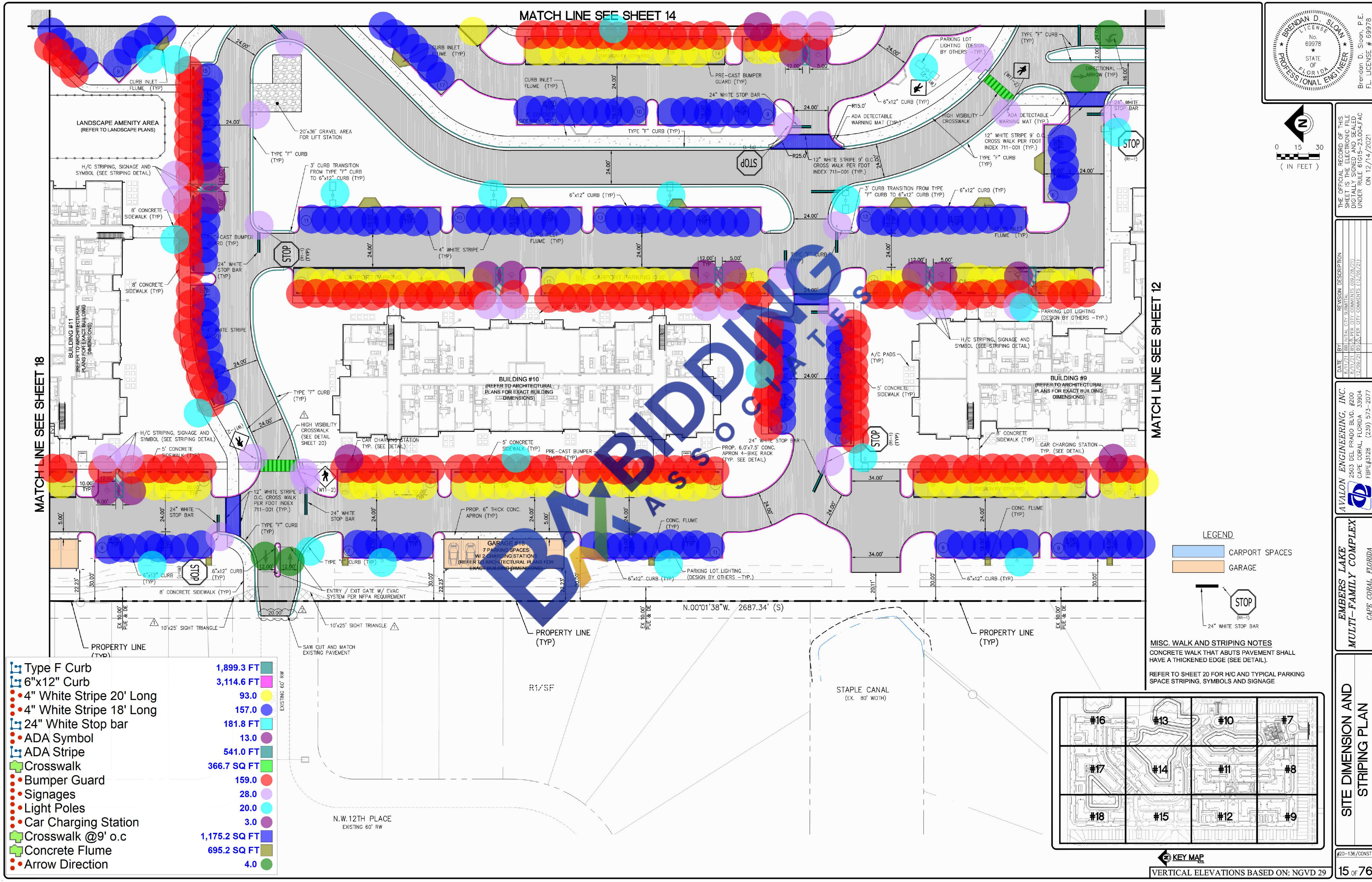


Type F Curb	2,260.7 FT
6"x12" Curb	2,591.3 FT
4" White Stripe 20' Long	28.0
4" White Stripe 18' Long	194.0
24" White Stop bar	164.3 FT
ADA Symbol	11.0
ADA Stripe	461.9 FT
Crosswalk	142.5 SQ FT
Bumper Guard	150.0
Signages	24.0
Light Poles	21.0
Car Charging Station	2.0
Crosswalk @9' o.c	757.0 SQ FT
Concrete Flume	145.0 SQ FT



KEY MAP
VERTICAL ELEVATIONS BASED ON: NGVD 29

P:\CA\2020\03-186\CONSTRUCTION\LOT204-186_DIMENSION PLAN.dwg, 12/14/2021 9:24:55 AM, Avalon Engineering Inc.



DATE	BY	REVISION DESCRIPTION
8/11/21	BS	INITIAL CITY SUBMITTAL
9/11/21	BS	APPROVE CITY COMMENTS (09/28/21)
12/09/21	BS	APPROVE CITY COMMENTS (12/09/21)

AVOLON ENGINEERING, INC.
2503 DEL PRADO BLVD. #200
CAPE CORAL, FLORIDA 33904
FPE#4328 (239) 573-2077

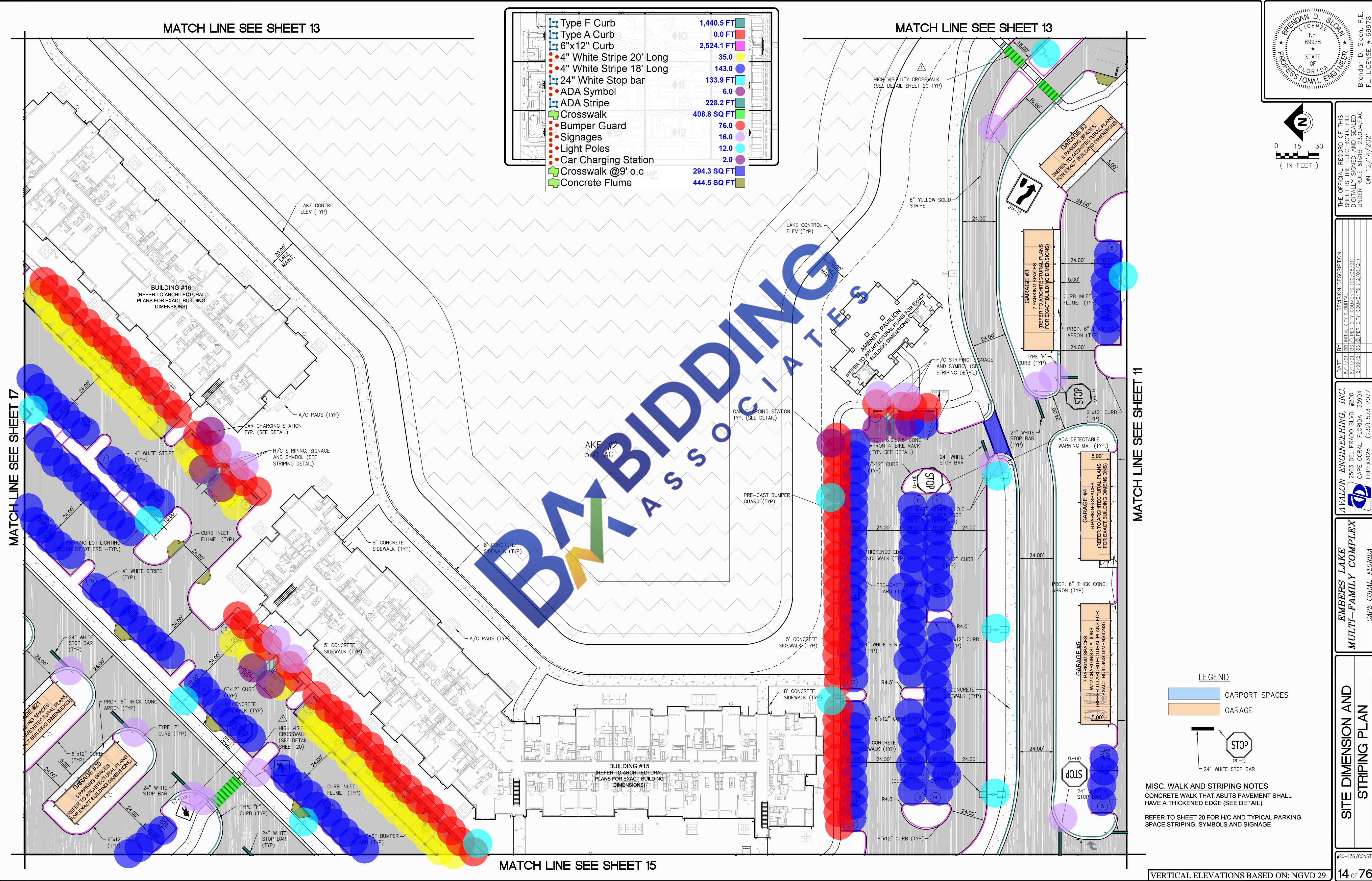
EMBERS LAKE MULTI-FAMILY COMPLEX
CAPE CORAL, FLORIDA

SITE DIMENSION AND STRIPING PLAN

#20-136/CONST

15 OF 76

P:\CAD\2020\20-190\CONSTRUCTION\LOT20-190_DIMENSION PLAN.dwg, 14 SITE DIMENSION, 12/14/2021 9:24:35 AM, Avalon Engineering Inc.



BRENDAN D. SLOAN
No. 69978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Brendan D. Sloan, P.E.
FL. LICENSE # 69978

0 15 30
(IN FEET)

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,FAC ON 12/14/2021

DATE	BY	REVISION DESCRIPTION
8/11/21	BS	INITIAL CITY SUBMITTAL
9/17/21	BS	APR CITY COMMENTS (09/28/21)
12/09/21	BS	APR CITY COMMENTS (12/09/21)

EMBERS LAKE MULTI-FAMILY COMPLEX
CAPE CORAL, FLORIDA

AVOLON ENGINEERING, INC.
2503 DEL PRADO BLVD. #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

EMBERS LAKE MULTI-FAMILY COMPLEX
CAPE CORAL, FLORIDA

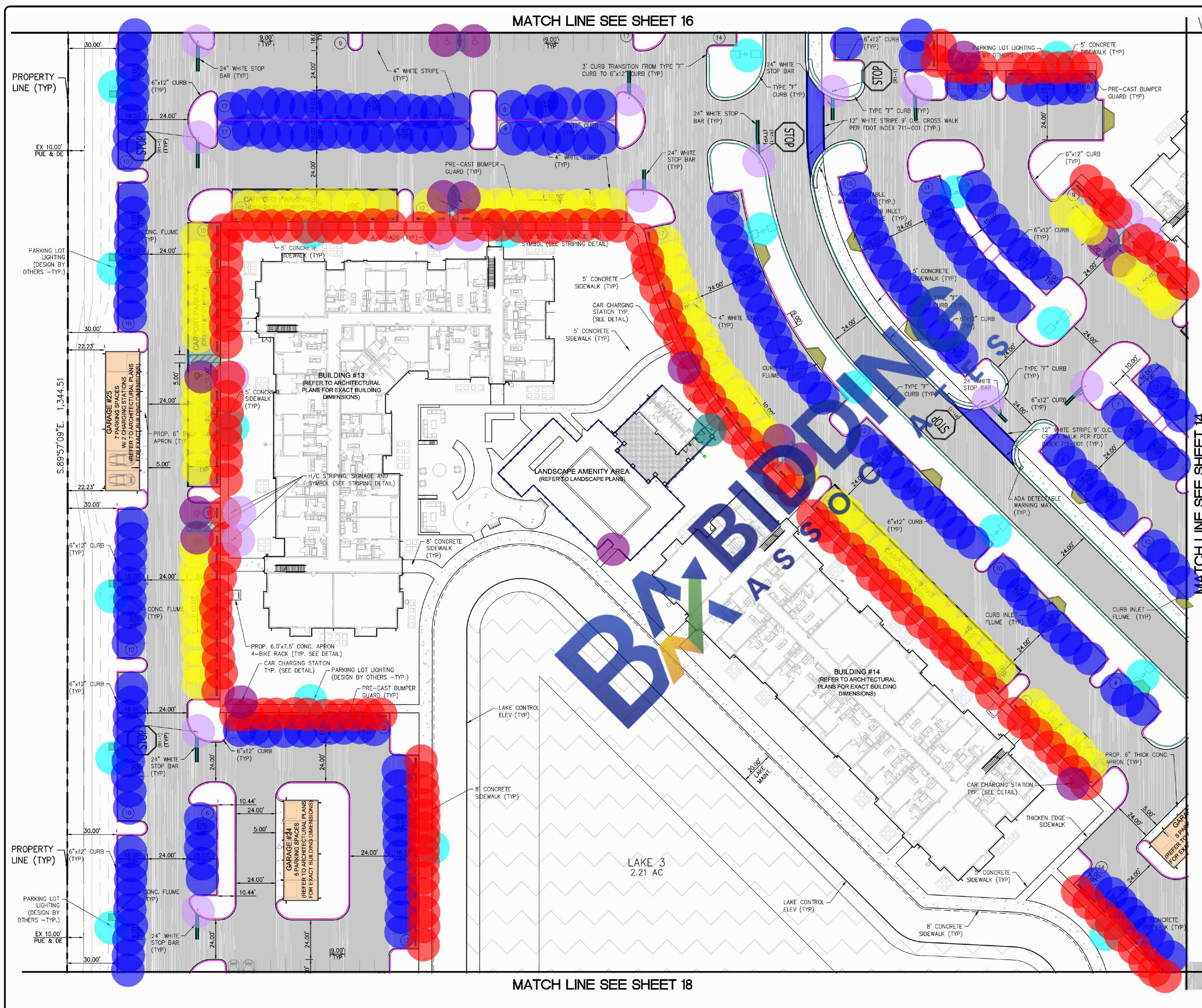
SITE DIMENSION AND STRIPING PLAN

#20-136/CONST

14 OF 76

VERTICAL ELEVATIONS BASED ON: NGVD 29

P:\04\2020\03-186\CONSTRUCTION\LOT20-186_DIMENSION PLAN.dwg, 17 SITE DIMENSION, 12/14/2021 9:25:35 AM, Avalon Engineering Inc.



Type F Curb	1,139.7 FT
6"x12" Curb	3,825.5 FT
Concrete Flume	769.0 SQ FT
Light Poles	19.0
Signages	18.0
4" White Stripe 18' Long	227.0
4" White Stripe 20' Long	84.0
ADA Symbol	11.0
ADA Stripe	435.1 FT
Bumper Guard	142.0
24" White Stop bar	166.5 FT
Crosswalk @9' o.c	893.8 SQ FT
Car Charging Station	4.0
pavement Stripe	224.5 FT
Fence @ Amentiy Area	409.1 FT
4' Wide Fence Gate	1.0
7' Wide Fence Gate	1.0

LEGEND

CARPORT SPACES

GARAGE

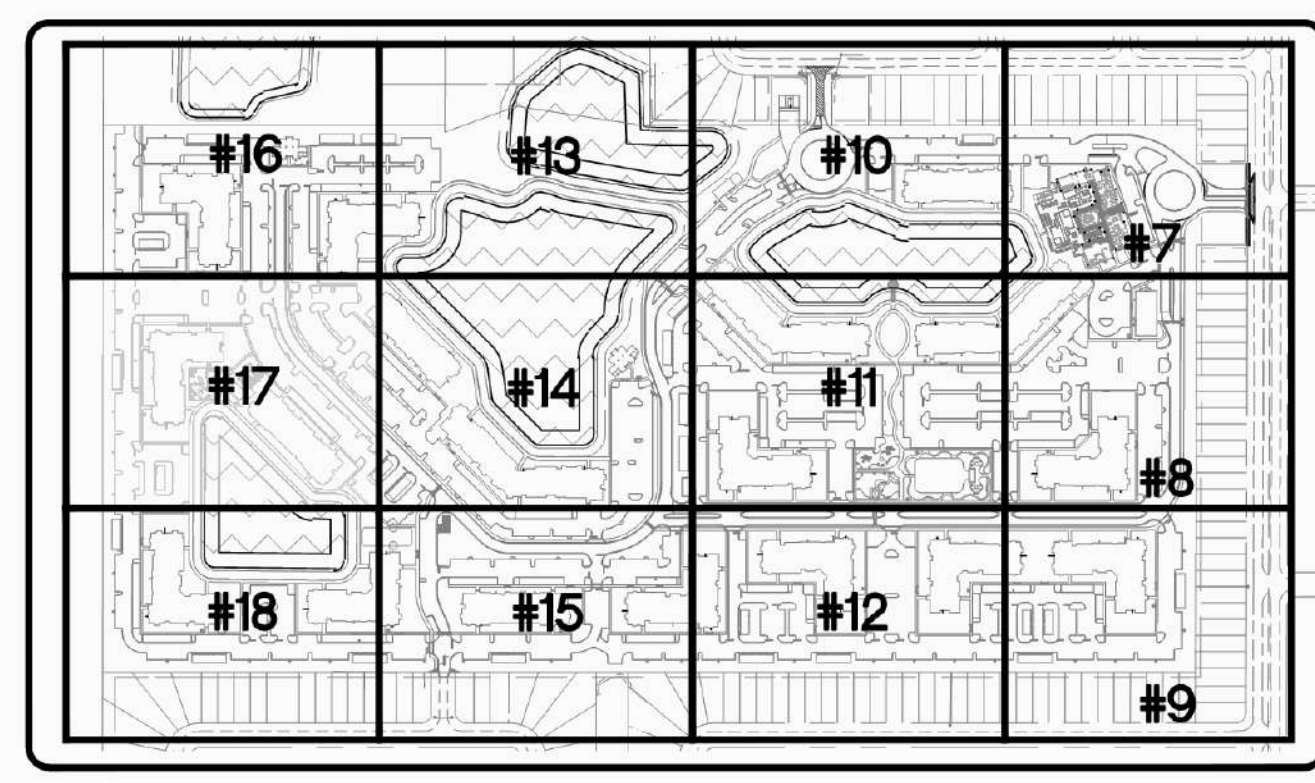
STOP (R-1)

24" WHITE STOP BAR

MISC. WALK AND STRIPING NOTES

CONCRETE WALK THAT ABUTS PAVEMENT SHALL HAVE A THICKENED EDGE (SEE DETAIL).

REFER TO SHEET 20 FOR H/C AND TYPICAL PARKING SPACE STRIPING, SYMBOLS AND SIGNAGE



REVISION DESCRIPTION

DATE	BY	REVISION DESCRIPTION
8/11/21	BS	INITIAL CITY SUBMITAL
9/11/21	BS	PER CITY COMMENTS (09/28/21)
12/09/21	BS	PER CITY COMMENTS (12/09/21)

EMBERS LAKE MULTI-FAMILY COMPLEX

CAPE CORAL, FLORIDA

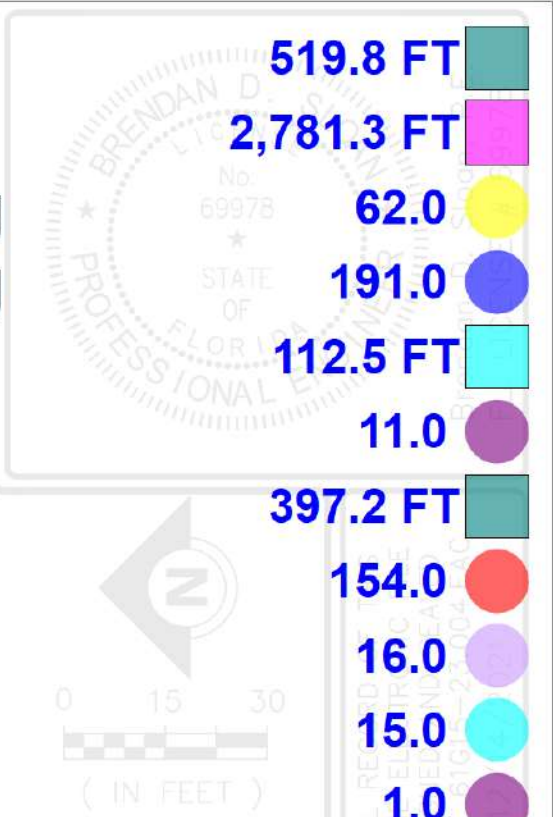
AVALLON ENGINEERING, INC.

2503 DEL PRADO BLVD. #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

P:\04\2020\03-186\CONSTRUCTION\LOT20-16_DIMENSION PLAN.dwg, 16 SITE DIMENSION, 12/14/2021 9:25:15 AM, Avalon Engineering Inc.

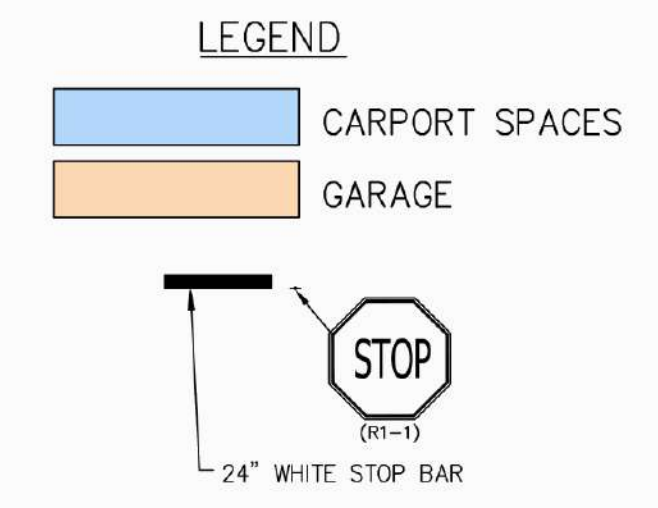


Type F Curb	519.8 FT
6"x12" Curb	2,781.3 FT
4" White Stripe 20' Long	62.0
4" White Stripe 18' Long	191.0
24" White Stop bar	112.5 FT
ADA Symbol	11.0
ADA Stripe	397.2 FT
Bumper Guard	154.0
Signages	16.0
Light Poles	15.0
Car Charging Station	1.0
Crosswalk @6' o.c	211.1 SQ FT
Concrete Flume	537.5 SQ FT

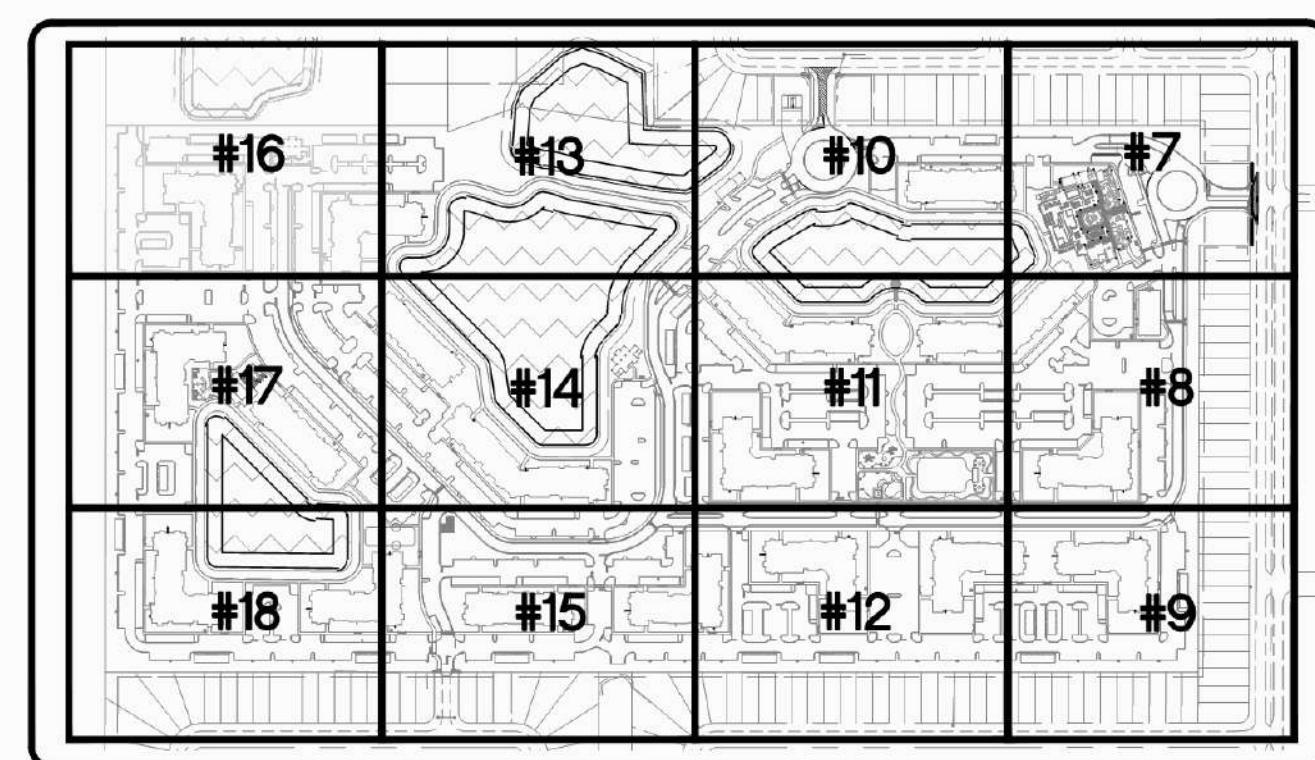


MATCH LINE SEE SHEET 13

MATCH LINE SEE SHEET 17



MISC. WALK AND STRIPING NOTES
CONCRETE WALK THAT ABUTS PAVEMENT SHALL HAVE A THICKENED EDGE (SEE DETAIL).
REFER TO SHEET 20 FOR H/C AND TYPICAL PARKING SPACE STRIPING, SYMBOLS AND SIGNAGE



KEY MAP
VERTICAL ELEVATIONS BASED ON: NGVD 29

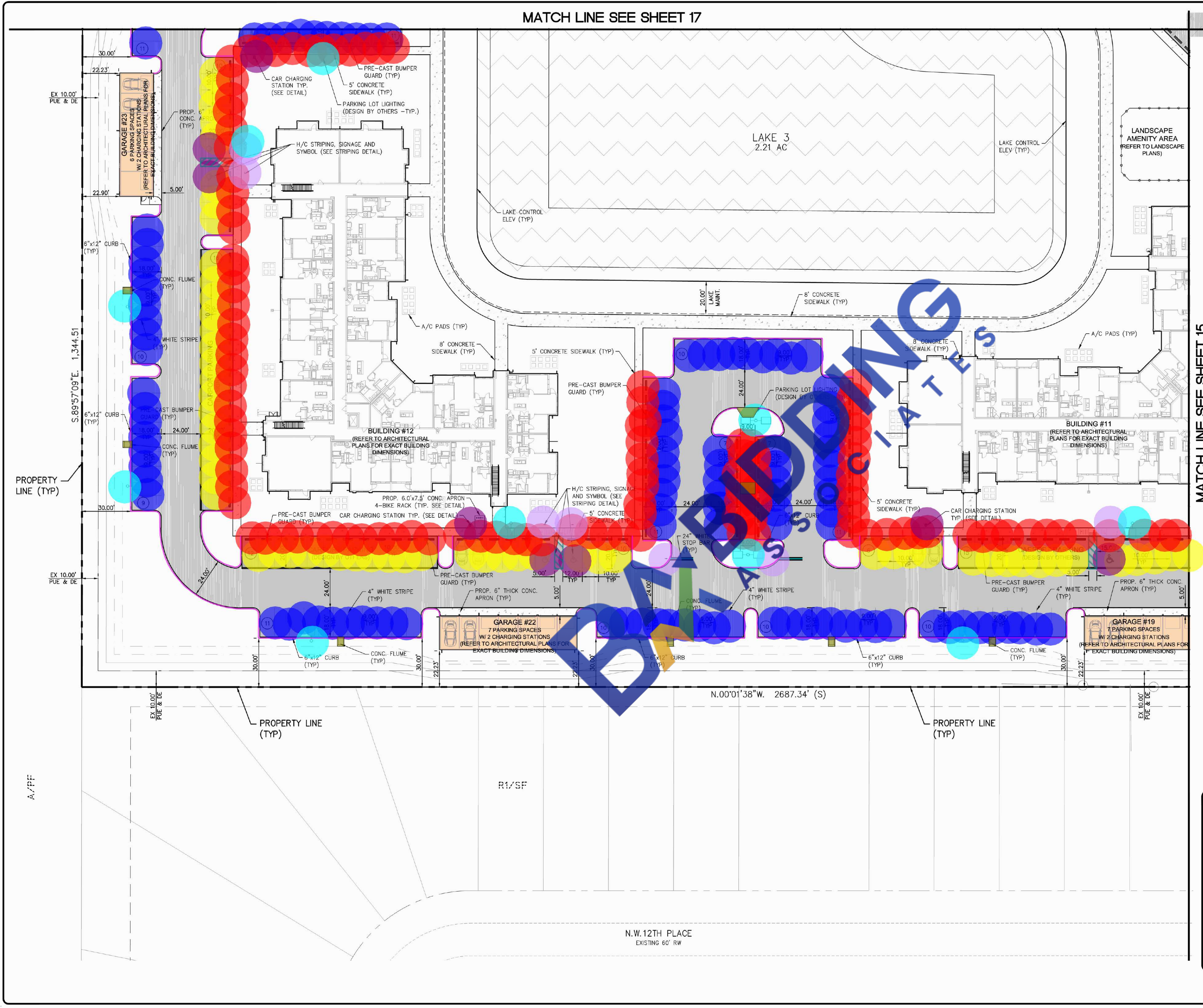
DATE	BY	REVISION	DESCRIPTION
8/11/21	BS	INITIAL CITY SUBMITTAL	
8/11/21	BS	LAKE PARK CITY COMMENTS (09/28/21)	
12/09/21	BS	LAKE PARK CITY COMMENTS (12/09/21)	

EMBERS LAKE
MULTI-FAMILY COMPLEX
CAPE CORAL, FLORIDA

AVALLON ENGINEERING, INC.
2503 DEL PRADO BLVD. #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

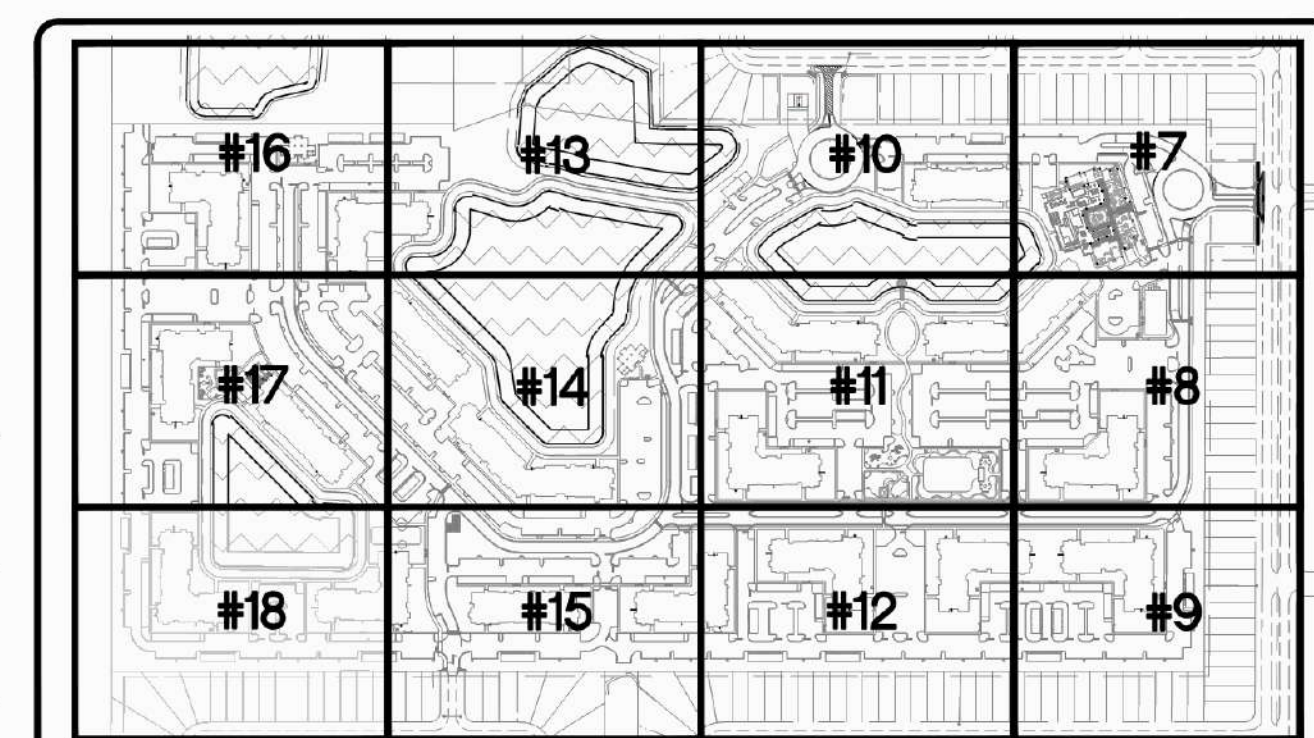
SITE DIMENSION AND STRIPING PLAN

#20-136/CONST
16 OF 76



MISC. WALK AND STRIPING NOTES
CONCRETE WALK THAT ABUTS PAVEMENT SHALL
HAVE A THICKENED EDGE (SEE DETAIL).

REFER TO SHEET 20 FOR H/C AND TYPICAL PARKING
SPACE STRIPING, SYMBOLS AND SIGNAGE



2 KEY MAP
VERTICAL ELEVATIONS BASED ON: NGVD 29