

CONSTRUCTION PLANS FOR INSPIRATION AT SOUTH POINTE

SECTION 15, TOWNSHIP 45 S., RANGE 24 E. LEE COUNTY, FLORIDA

UTILITIES PROVIDING SERVICE:

WATER AND SEWER:

LEE COUNTY UTILITIES
1500 MONROE ST
FORT MYERS, FLORIDA 33901
PHONE: (239) 533-8181

TELEPHONE:

CENTURYLINK
1520 LEE STREET
FORT MYERS, FLORIDA 33901
PHONE: (239) 336-2030

CABLE:

CENTURYLINK
1520 LEE STREET
FORT MYERS, FLORIDA 33901
PHONE: (239) 336-2030

ELECTRIC:

FLORIDA POWER & LIGHT COMPANY
15834 WINKLER ROAD
FORT MYERS, FLORIDA 33908
PHONE: (239) 415-1326

GARBAGE COLLECTION:

ADVANCED DISPOSAL
17101 PINE RIDGE ROAD
FORT MYERS BEACH, FLORIDA 33931
PHONE: (239) 334-1224
FAX: (239) 433-2550

FIRE CONTROL DISTRICT:

IONA-MCGREGOR FIRE DISTRICT
6061 SOUTH POINTE BOULEVARD
FORT MYERS, FLORIDA 33919
PHONE: (239) 433-0660
FAX: (239) 425-9301

GAS:

TECO PEOPLES GAS
5901 ENTERPRISE PKWY
FORT MYERS, FLORIDA 33905
PHONE: (877) 832-6747

DEVELOPER \ OWNER

ZIMMER DEVELOPMENT COMPANY
111 PRINCESS ST
WILMINGTON, NC 28401
PHONE: (910) 763-4669

STRAP NUMBER

15-45-24-00-00018.0000
15-45-24-00-00019.0000

SIZE OF PARCEL

13.35 ACRES

ZONING

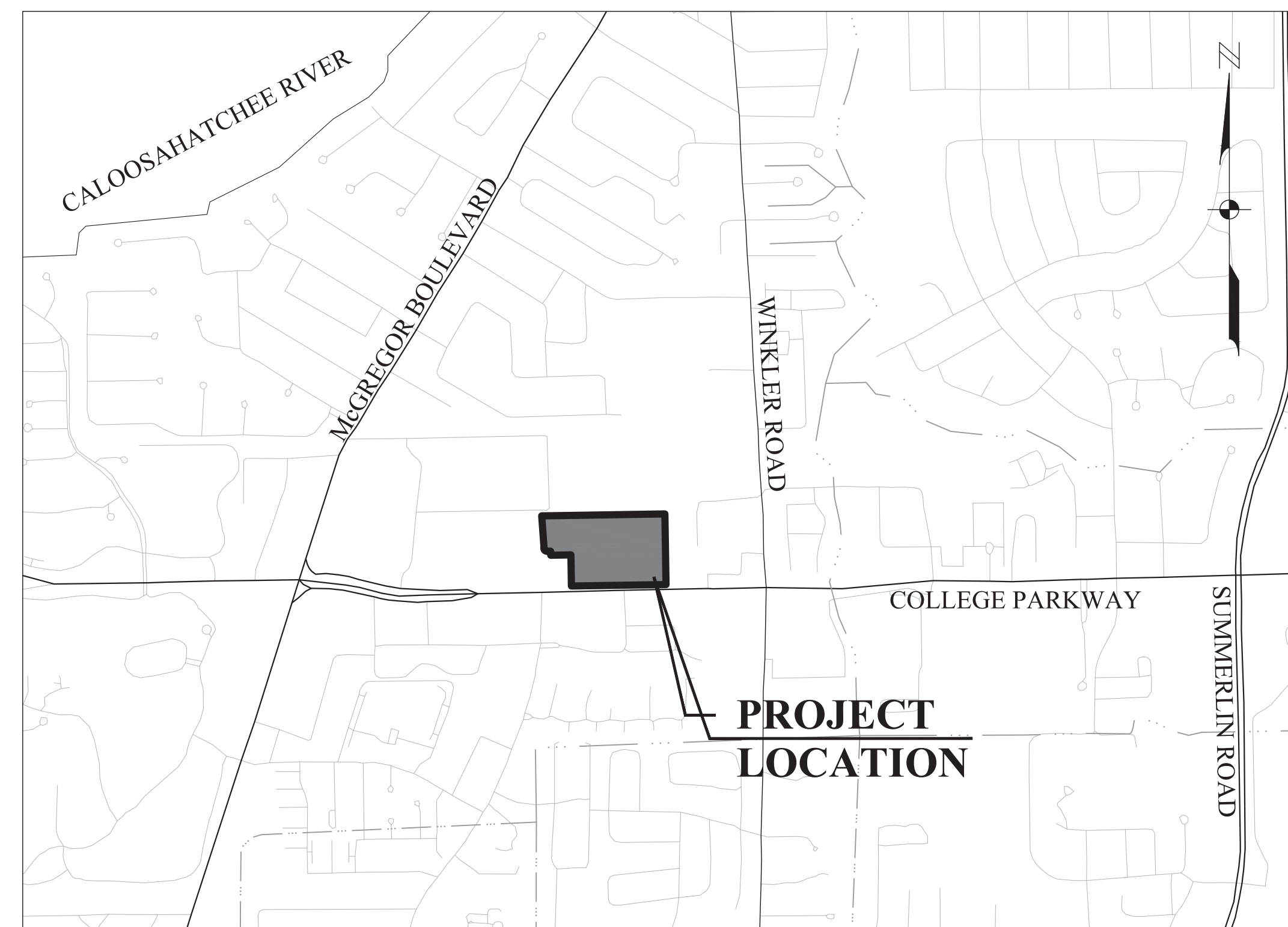
C-2 (Z-20-034)

SITE ADDRESS

8910 COLLEGE PARKWAY
FORT MYERS, FL 33919

INDEX OF PLANS

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LOCATION MAP

0 1,000 2,000
(INTENDED DISPLAY SCALE: 1"=1,000')

JUNE 2021

- ▲ REVISED AUGUST 2021
- ▲ REVISED NOVEMBER 2021
- ▲ REVISED MARCH 2022

NOTICE TO ALL
CONTRACTORS
IT'S THE LAW IN FLORIDA
2 BUSINESS DAYS BEFORE
YOU DIG
CALL SUNSHINE
1-800-432-4770
STATE, COUNTIES & CITIES
ARE "NOT" PART OF THE
ONE CALL SYSTEM THEY
MUST BE CALLED
INDIVIDUALLY.



JOHNSON
ENGINEERING

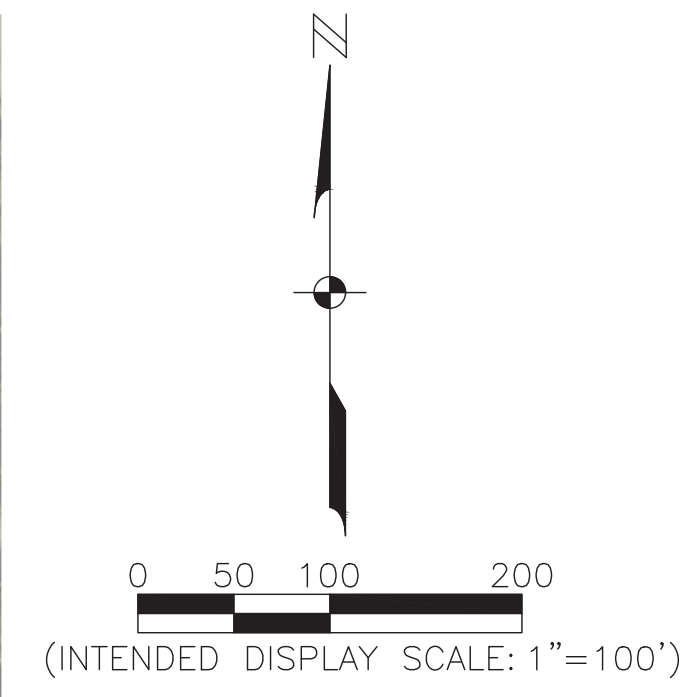
JOHNSON ENGINEERING, INC.
2122 JOHNSON STREET
P.O. BOX 1550
FORT MYERS, FLORIDA 33902-1550
PHONE: (239) 334-0046
FAX: (239) 334-3661
E.B. #642 & L.B. #642

REGISTERED PROFESSIONAL ENGINEER
FLORIDA LICENSE NO. 82277

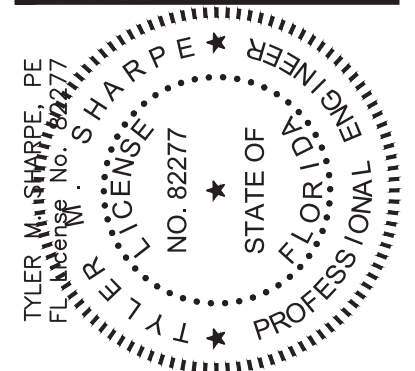
TYLER M. SHARPE, PE

DATE

SHEET NUMBER
C01



JOHNSON ENGINEERING
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET
 FORT MYERS, FLORIDA 33901
 PHONE: (239) 334-0046
 FAX: (239) 334-3661
 E.B. #642 & L.B. #642



ZIMMER DEVELOPMENT
 COMPANY

INSPIRATION AT SOUTH POINTE
 LEE COUNTY, FLORIDA

NO.	DESCRIPTION	DATE

DATE: JUNE 2021
 PROJECT NO. 2019125-000
 FILE NO. 15-45-24
 SCALE: 1" = 100'

AERIAL &
 SOILS MAP

SHEET NUMBER

C03

NRCS Soils		
Soil ID	Description	Hydric Status
13	Boca Fine Sand	Non-Hydric
28	Immokalee Sand	Non-Hydric

NOTES:
 1. SOILS WERE ACQUIRED FROM THE FLORIDA GEOGRAPHIC DATA LIBRARY (FGDL) AND ARE FROM THE NATURAL RESOURCES CONSERVATION SERVICE (NRCS).

AERIAL PHOTOGRAPH SOURCE: MR. SID - FLIGHT YEAR 2020



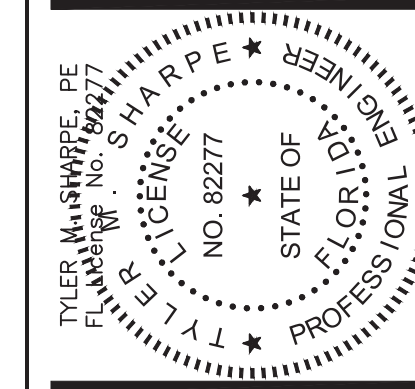
FLUCFCS TABLE			
FLUCFCS CODE	DESCRIPTION	STATUS	AREA IN ACRES
211	IMPROVED PASTURE	N	13.22
514	MAN MADE DITCH	Y	0.08
814	DRIVEWAY	N	0.43
TOTAL UPLANDS			13.65
TOTAL WETLANDS			0.00
TOTAL SURFACE WATERS			0.08
PROJECT TOTAL			13.73

- NOTES:
- HABITAT MAPPING WAS DONE IN ACCORDANCE WITH THE FLORIDA LAND USE, COVER, AND FORMS CLASSIFICATION SYSTEM (FLUCFCS, FDOT 1999) AND WAS CONDUCTED BY JOHNSON ENGINEERING ON 11/16/20.
 - THE FLUCFCS MAPPING SHOWN HAS NOT BEEN AGENCY APPROVED, IS SUBJECT TO CHANGE AND IS BASED ON AERIAL PHOTO INTERPRETATION AND GROUND TRUTHING.
 - PROTECTED SPECIES SURVEY WAS CONDUCTED BY JOHNSON ENGINEERING ECOLOGIST ON 11/16/2020.
 - ABBREVIATIONS
N = NON-WETLAND

PROTECTED SPECIES SURVEY & FLUCFCS MAP



PROPOSED CONDITIONS & IMPACTS



ZIMMER DEVELOPMENT COMPANY

INSPIRATION AT SOUTH POINTE
LEE COUNTY, FLORIDA

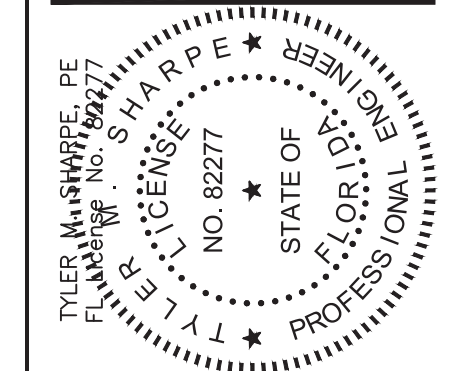
NO.	DESCRIPTION	DATE

DATE: JUNE 2021
PROJECT NO. 20192125-000
FILE NO. 15-45-24
SCALE: As Shown

PROTECTED SPECIES SURVEY, FLUCFCS MAP & PR CONDITIONS & IMPACTS

SHEET NUMBER

C04



ZIMMER DEVELOPMENT COMPANY

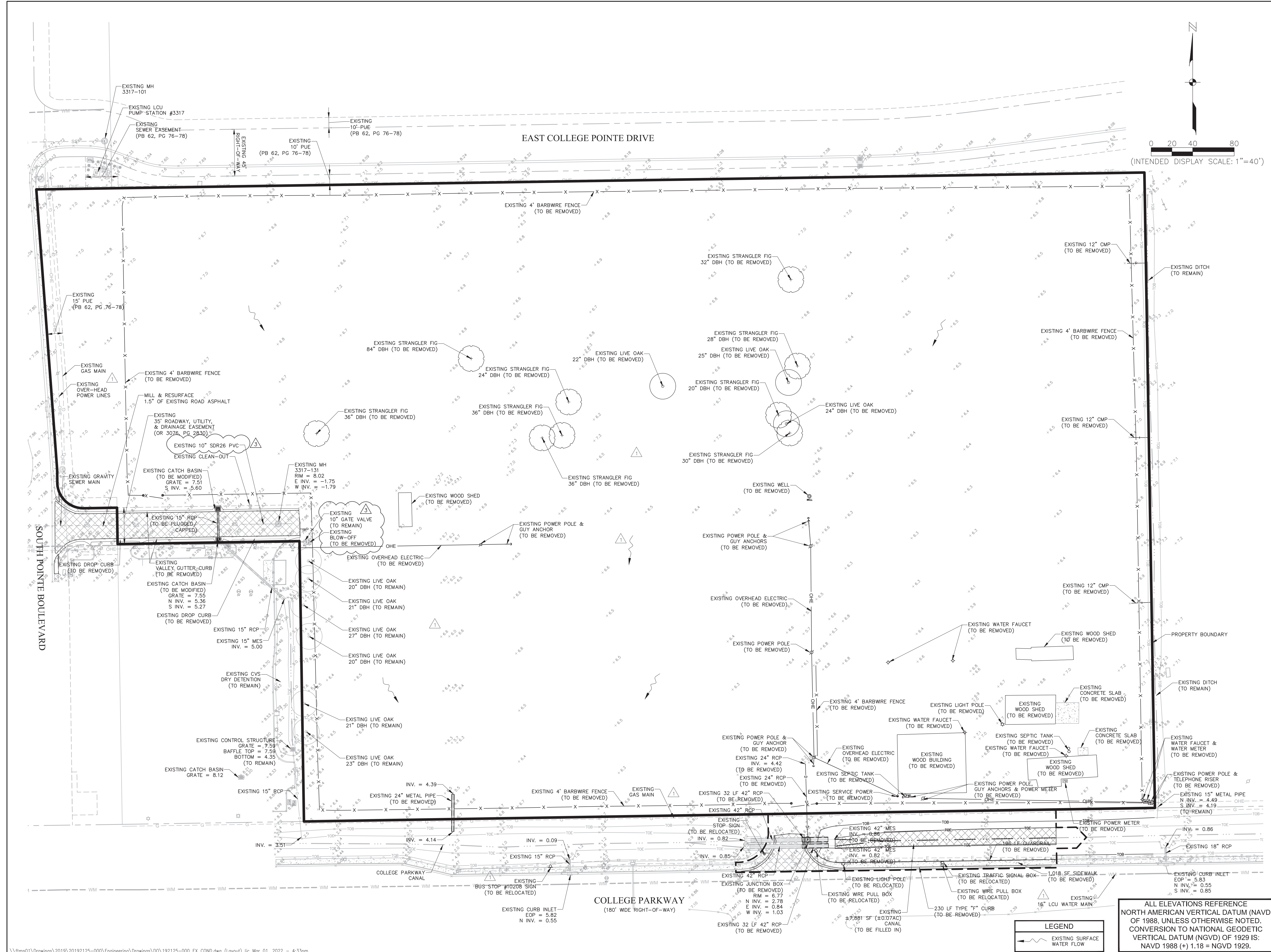
INSPIRATION AT SOUTH POINTE
LEE COUNTY, FLORIDA

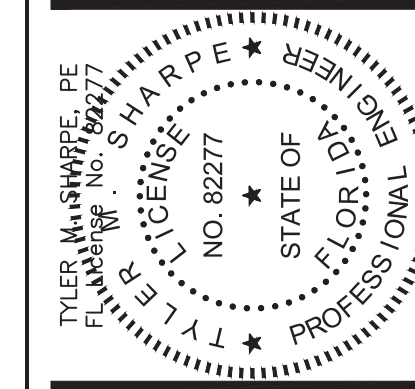
NO.	DATE	DESCRIPTION
1	07/28/21	LEE COUNTY RA#1
2	08/09/21	ERP DETAILS/CLARIFICATION
3	11/05/21	LEE COUNTY RA#2

DATE: JUNE 2021
PROJECT NO. 2019125-000
FILE NO. 15-45-24
SCALE: 1" = 40'

EXISTING CONDITIONS & DEMOLITION PLAN

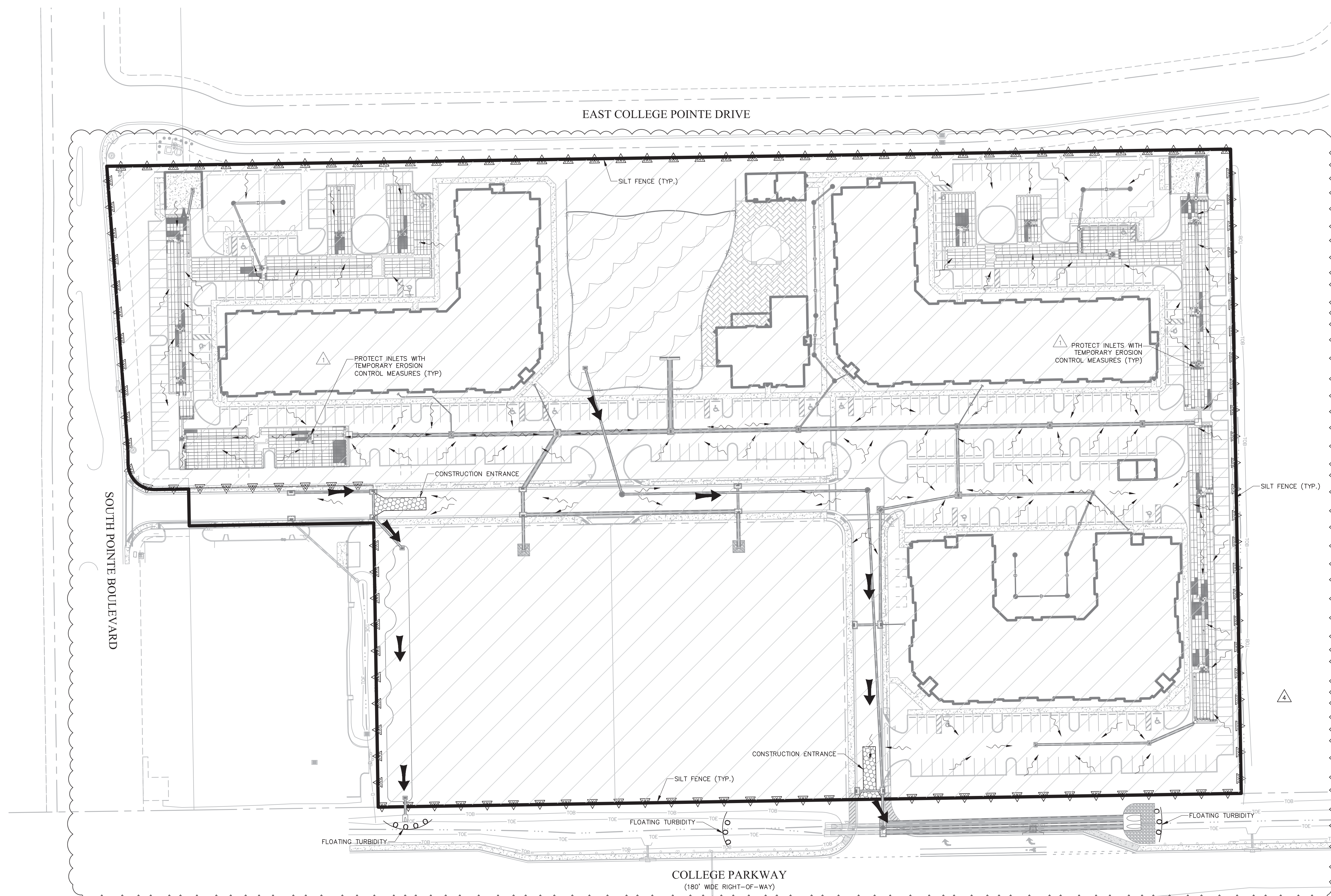
SHEET NUMBER
C05





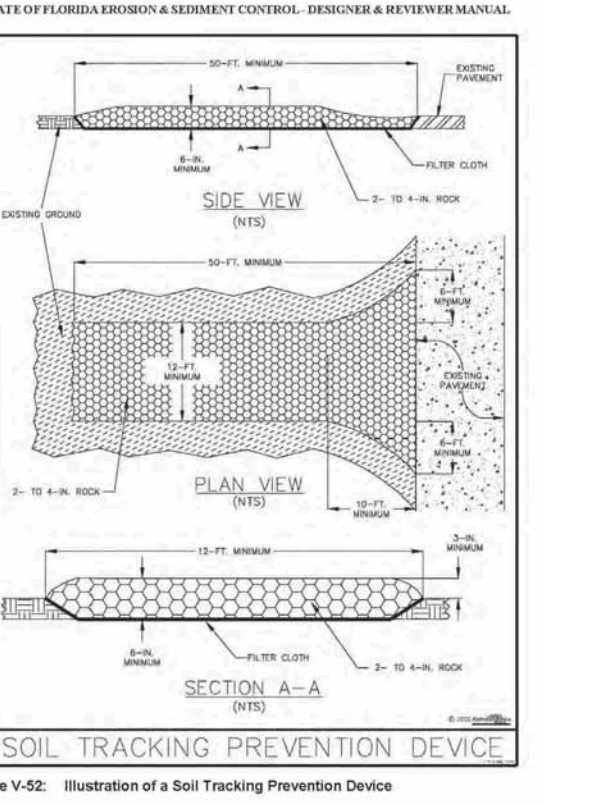
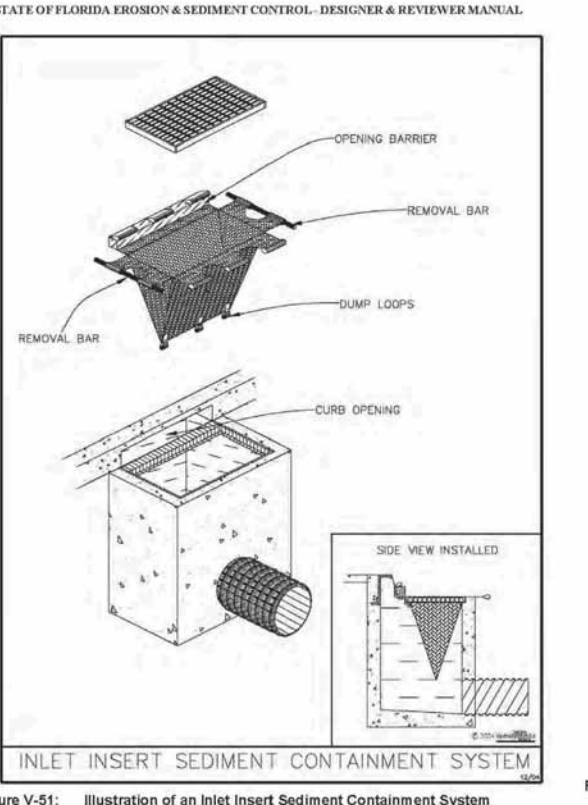
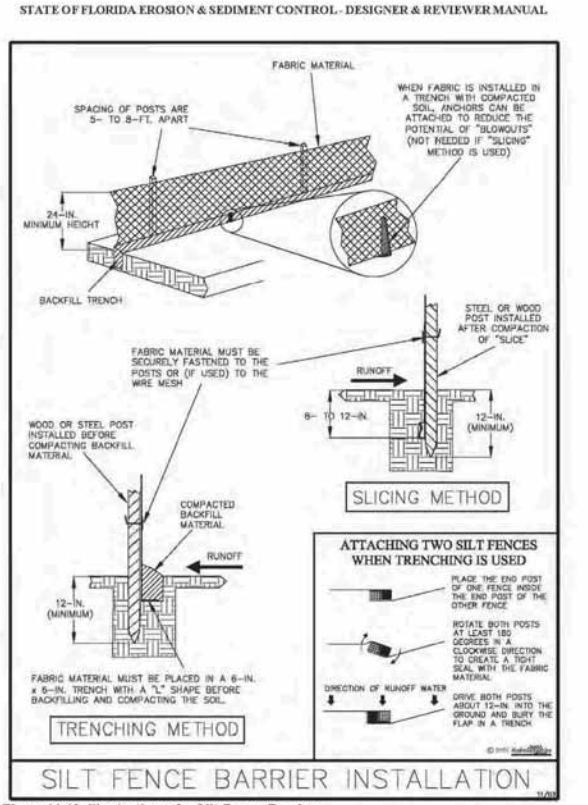
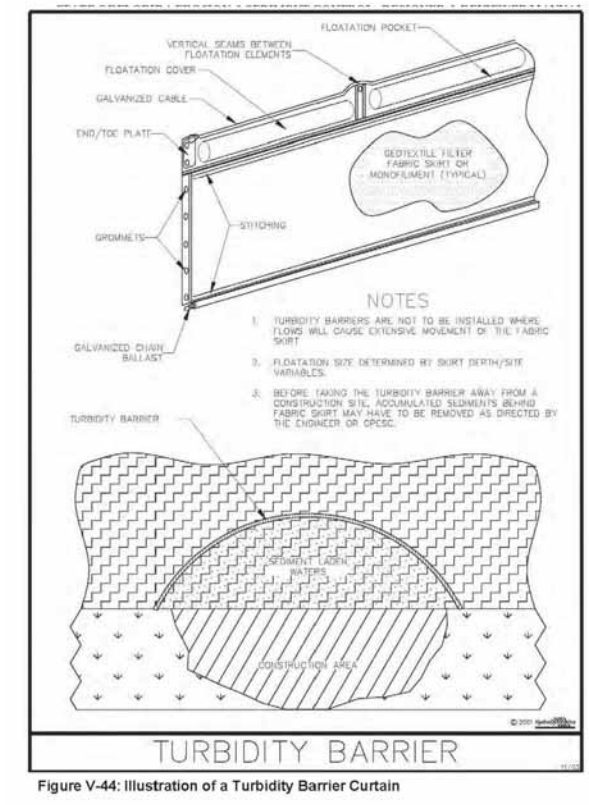
ZIMMER DEVELOPMENT COMPANY

INSPIRATION AT SOUTH POINTE
LEE COUNTY, FLORIDA



LEGEND	
	PROPOSED SURFACE WATER FLOW
	AREA OF SOIL DISTURBANCE
	DRAINAGE STRUCTURE AND PIPING

- NOTES:
1. ALL AREAS WITHIN PROPOSED SILT FENCE MAY BE DISTURBED DURING CONSTRUCTION.
 2. ALL DRAINAGE TO BE DIRECTED TO THE POND VIA THE PROPOSED DRAINAGE INLETS/PIPES.
 3. SEE SECTIONS ON SHEETS C22 - C23 FOR ANY SLOPES AFTER MAJOR GRADING ACTIVITIES.
 4. ALL SIDE SLOPES, BERMS, AND DISTURBED AREAS WILL BE STABILIZED IMMEDIATELY ONCE CONSTRUCTED.
 5. PER SUBMITTED DEWATERING PERMIT NO OFF-SITE DISCHARGE MAY OCCUR DURING CONSTRUCTION.
 6. ALL EROSION CONTROL MEASURES SHOWN ARE RECOMMENDED AND MAY BE MODIFIED AS NEEDED BY THE CONTRACTOR DEPENDING ON SITE CONDITIONS.
 7. CONTRACTOR TO PROVIDE SILT FENCE AND OTHER APPROPRIATE MEASURES TO EFFECT THE FILTRATION OF SURFACE WATER FLOWS AND TO PROVIDE EROSION PROTECTION DURING CONSTRUCTION ACTIVITIES.
 8. PROTECTION IS TO BE MAINTAINED DURING THE CONSTRUCTION PERIOD UNTIL DISTURBED SOILS HAVE BEEN STABILIZED WITH GRASS OR SUITABLE EROSION PROTECTION TREATMENT.
 9. DURING CONSTRUCTION, GRATE INLET AND JUNCTION BOX OPENINGS SHALL BE COVERED WITH FILTER FABRIC (MIRFAL 140N OR APPROVED EQUAL) TO PREVENT DEBRIS AND FILL FROM FALLING INTO THE INLET.



THIS DRAWING CONTAINS DETAILS DESIGNED BY, STANDARD TO, AND FURNISHED BY
FDOT & FDEP EROSION CONTROL MANUAL
SAID DETAILS WERE NOT DESIGNED BY JOHNSON ENGINEERING.

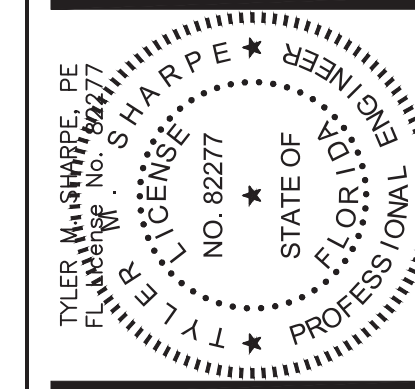
NO.	DATE	DESCRIPTION
1	07/28/21	LEE COUNTY RAI #1
2	11/05/21	LEE COUNTY RAI #2
3	01/13/22	SPRIND RAI #1

DATE: JUNE 2021
PROJECT NO. 20192125-000
FILE NO. 15-45-24
SCALE: 1" = 50'

EROSION CONTROL PLAN

SHEET NUMBER

C06



ZIMMER DEVELOPMENT COMPANY

INSPIRATION AT SOUTH POINTE
LEE COUNTY, FLORIDA

NO.	DATE	DESCRIPTION
1	07/28/21	LEE COUNTY RAI #1
2	11/05/21	LEE COUNTY RAI #2
3	01/13/22	SPRIND RAI #1
4	03/01/22	LEE COUNTY RAI #3

DATE: JUNE 2021
PROJECT NO. 2019125-000
FILE NO. 15-45-24
SCALE: 1" = 40'

MASTER SITE PLAN

SHEET NUMBER

C07

	Existing		Proposed	
	AC	%	AC	%
Building	0.18	1%	2.37	18%
Impervious (Asphalt, Sidewalk, Pool)	0.13	1%	5.09	38%
Pond	0	0%	0.52	4%
Pervious	13.04	98%	5.37	40%
Total	13.35	100%	13.35	100%

0 20 40 80
(INTENDED DISPLAY SCALE: 1"=40')

APARTMENT SITE PARKING CALCULATIONS:

PER LEE COUNTY LDC SEC. 34-2020
2 PARKING SPACES ARE REQUIRED PER UNIT & 4 SPACES FOR EVERY 1000 SF OF CLUBHOUSE.

296 UNITS * 2 SPACES PER UNIT = 592 SPACES

5000 SF CLUBHOUSE / 1000 SF = 5 * 4 SPACES = 20 SPACES

PER LEE COUNTY LDC SEC. 34-2020
VISITOR PARKING IS 10% OF TOTAL REQUIRED PARKING

592 + 20 = 612 SPACES * 0.10 = 62 VISITOR SPACES

REQUIRED PARKING: 592 + 20 + 62 = 674 SPACES

MIXED USE OVERLAY PARKING REQUIREMENTS ARE TYPICAL REQUIRED PARKING X 0.40

674 * .40 = 270 TOTAL REQUIRED PARKING SPACES

1 HANDICAP SPACE IS REQUIRED FOR EVERY 25 PARKING SPACES

PARKING SPACES PROVIDED:

REGULAR: 430
HANDICAP: 17
TOTAL: 447

DENSITY CALCULATIONS:

FLU CATEGORY: INTENSIVE DEVELOPMENT

BASE RESIDENTIAL DENSITY RANGE = 8 - 14 DWELLING UNITS/ACRE

*MAXIMUM OF 22 DU/AC WITH BONUS DENSITY

MAX BASE RESIDENTIAL DENSITY = 13.35 AC * 14 DU/AC = 186 UNITS

MAX BONUS DENSITY = 13.35 AC * 30 DU/AC = 400 UNITS

*PER LEE PLAN POLICY 11.2.7 DEVELOPMENT WITHIN MIXED USE OVERLAY MAY USE NON-RESIDENTIAL AREA IN RESIDENTIAL DENSITY CALCULATIONS.

LANDSCAPE BUFFERS:

NORTH - 5' BUFFER

SOUTH - 5' BUFFER

EAST - NOT REQUIRED

WEST - 5' BUFFER

SETBACK REQUIREMENTS:

NORTH - 0'

EAST - 0'

SOUTH - 0'

WEST - 0'

LAKE (EXCAVATION) - 25' PER LC LDC CH329(d)(1)(a)1

BUILDING TO POND - 25' PER LDC SEC34-2194(b)

OPEN SPACE CALCULATIONS:

PER LEE COUNTY LDC SEC. 10-425

LARGE PROJECTS WITHIN THE MIXED USE OVERLAY REQUIRE A MINIMUM OF 20% OPEN SPACE & SMALL PROJECTS REQUIRE A MINIMUM OF 10% OPEN SPACE.

SOLID WASTE CALCULATIONS:

PER LEE COUNTY LDC SEC. 10-261
MULTIFAMILY DEVELOPMENTS WITH 25 OR MORE DWELLING UNITS SHALL HAVE 216 SF FOR FIRST 25 UNITS PLUS 8 SF FOR EACH ADDITIONAL DWELLING UNIT.

296 UNITS - 25 UNITS = 271 UNITS

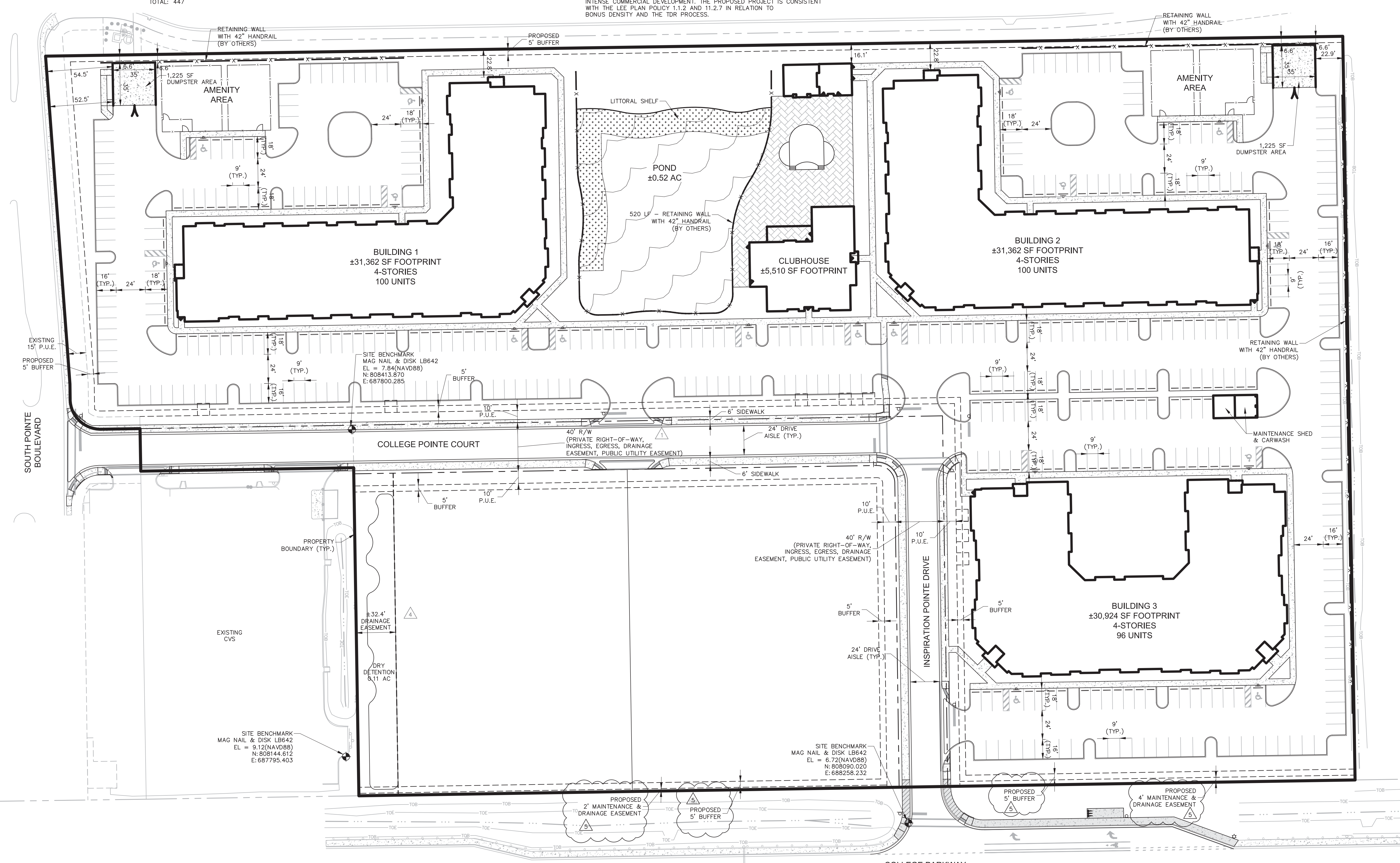
271 UNITS * 8 SF/UNIT = 2,168 SF

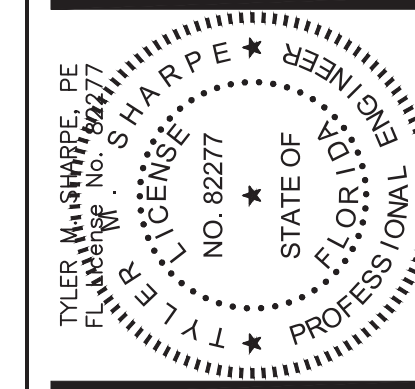
216 SF + 2,168 SF = 2,384 SF

2,384 SF OF SOLID WASTE AREA REQUIRED

LEE PLAN CONSISTENCY STATEMENT:

THE SUBJECT PROPERTY IS DESIGNATED INTENSIVE DEVELOPMENT ON THE LEE COUNTY COMPREHENSIVE PLAN AND IS WITHIN THE SOUTH FORT MYERS MIXED OVERLAY. THESE ARE CENTRALLY LOCATED POTENTIAL AREAS FOR HIGHER DENSITY RESIDENTIAL AND INTENSE COMMERCIAL DEVELOPMENT. THE PROPOSED PROJECT IS CONSISTENT WITH THE LEE PLAN POLICY 1.1.2 AND 11.2.7 IN RELATION TO BONUS DENSITY AND THE TDR PROCESS.





ZIMMER DEVELOPMENT COMPANY

INSPIRATION AT SOUTH POINTE
LEE COUNTY, FLORIDA

REVISIONS

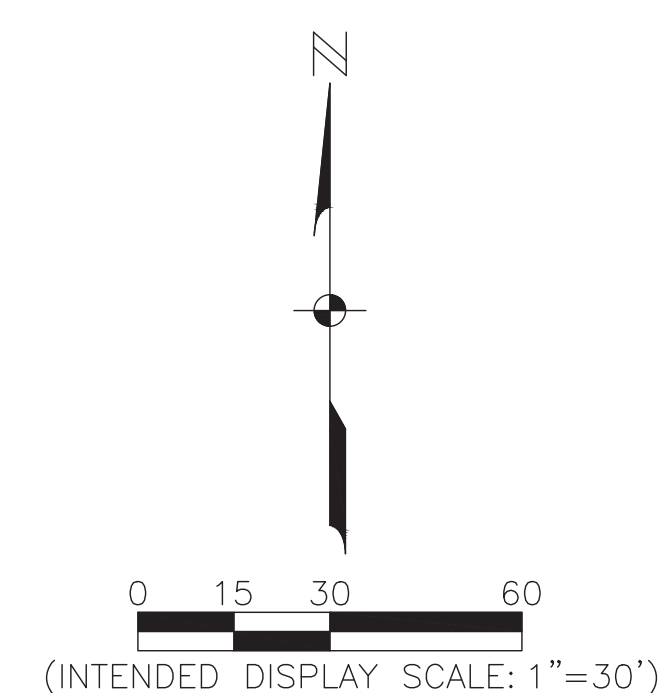
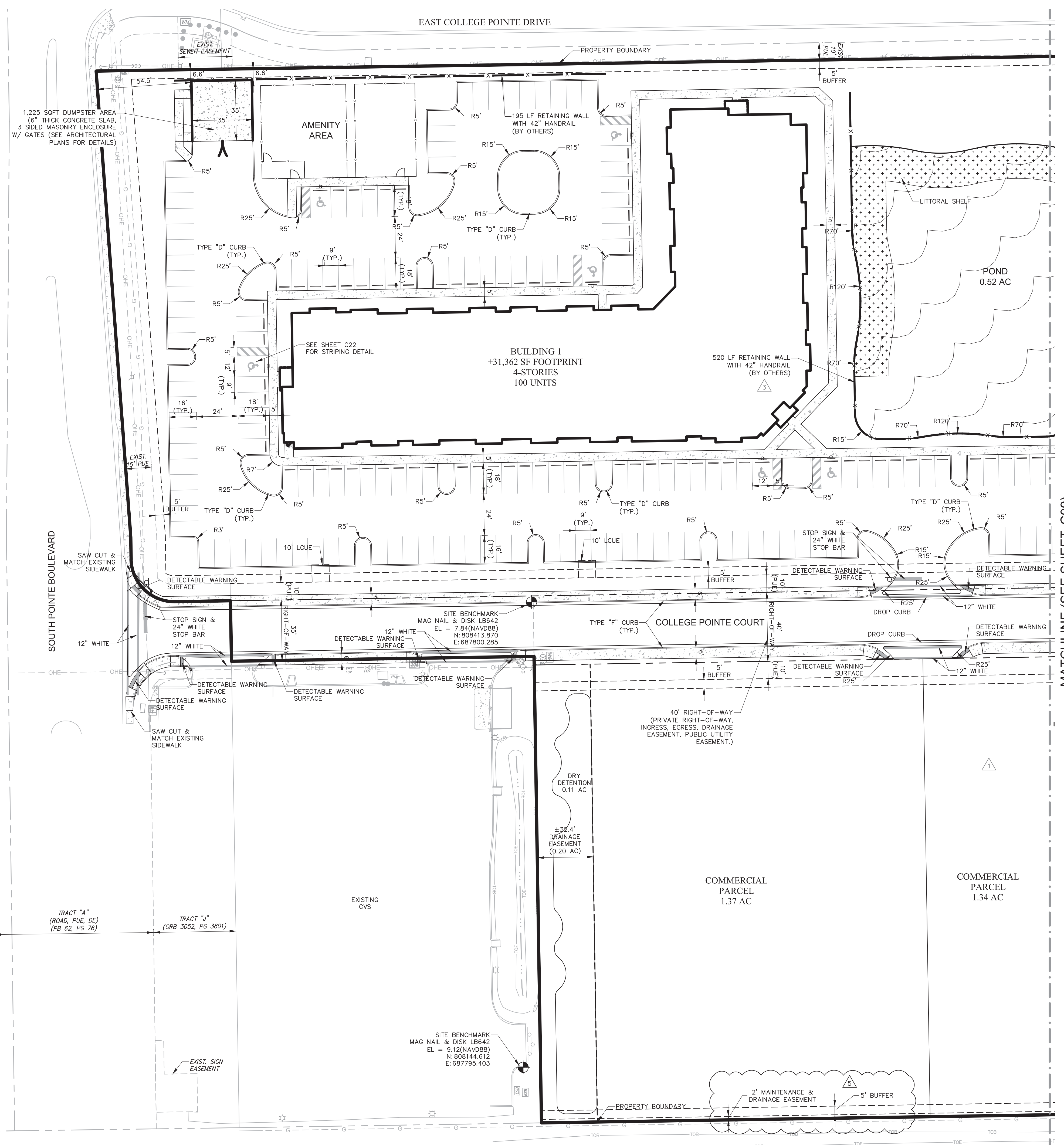
NO.	DESCRIPTION	DATE
1	LEE COUNTY RAI #1	07/28/21
2	LEE COUNTY RAI #2	11/05/21
3	LEE COUNTY RAI #3	03/07/22

DATE: JUNE 2021
PROJECT NO. 20192125-000
FILE NO. 15-45-24
SCALE: 1" = 30'

SITE PLAN

SHEET NUMBER

C08



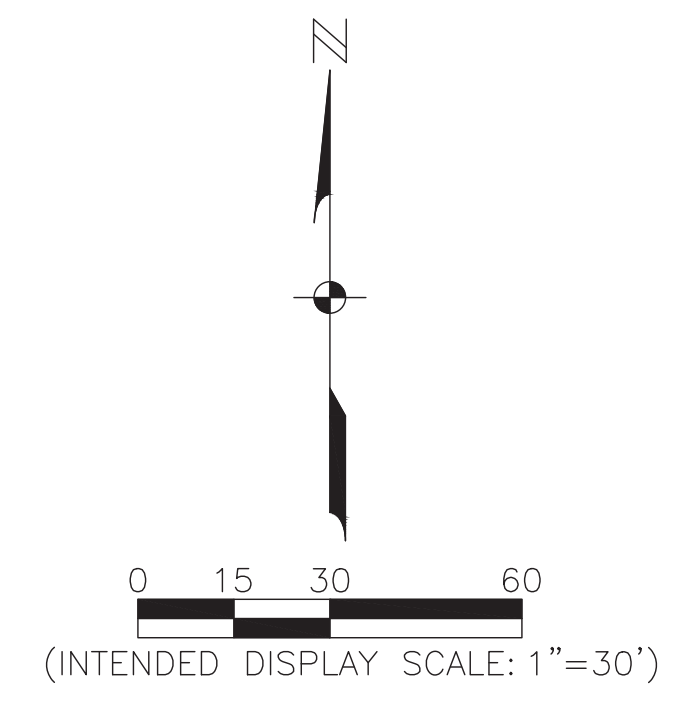
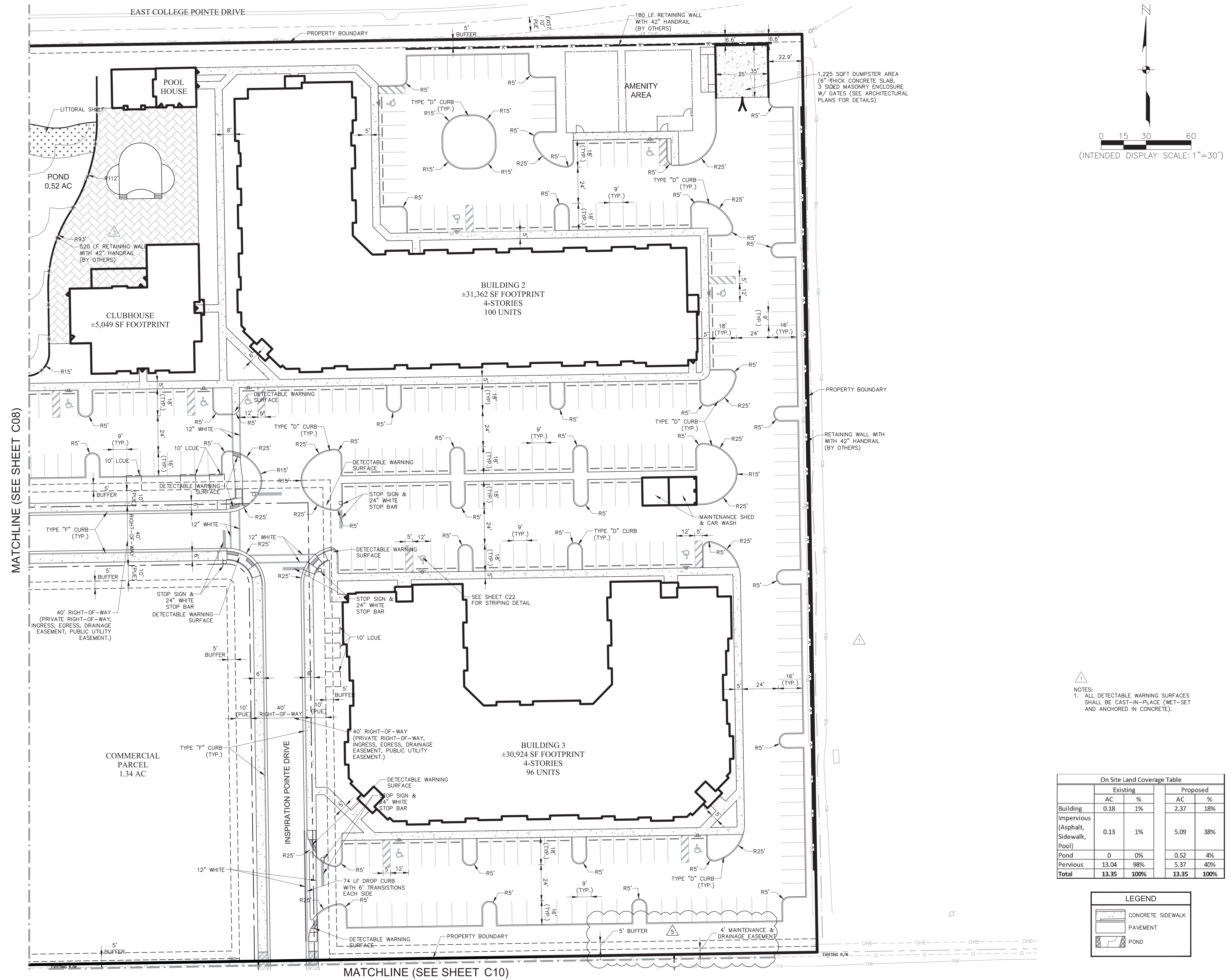
NOTES:
1. ALL DETECTABLE WARNING SURFACES SHALL BE CAST-IN-PLACE (WET-SET AND ANCHORED IN CONCRETE).

On Site Land Coverage Table

	Existing		Proposed	
	AC	%	AC	%
Building	0.18	1%	2.37	18%
Impervious (Asphalt, Sidewalk, Pool)	0.13	1%	5.09	38%
Pond	0	0%	0.52	4%
Pervious	13.04	98%	5.37	40%
Total	13.35	100%	13.35	100%

LEGEND

	CONCRETE SIDEWALK
	PAVEMENT
	POND



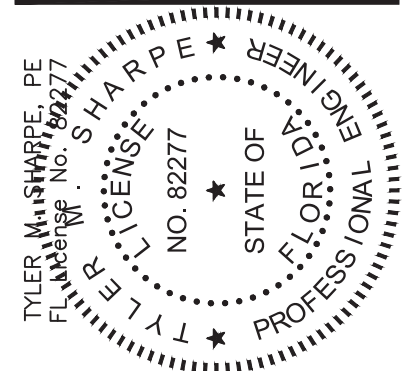
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On Site Land Coverage Table

	Existing		Proposed	
	AC	%	AC	%
Building	0.18	1%	2.37	18%
Impervious (Asphalt, Sidewalk, Pool)	0.13	1%	5.09	38%
Pond	0	0%	0.52	4%
Pervious	13.04	98%	5.37	40%
Total	13.35	100%	13.35	100%

LEGEND

	CONCRETE SIDEWALK
	PAVEMENT
	POND



ZIMMER DEVELOPMENT COMPANY

**INSPIRATION AT SOUTH POINTE
 LEE COUNTY, FLORIDA**

REVISIONS

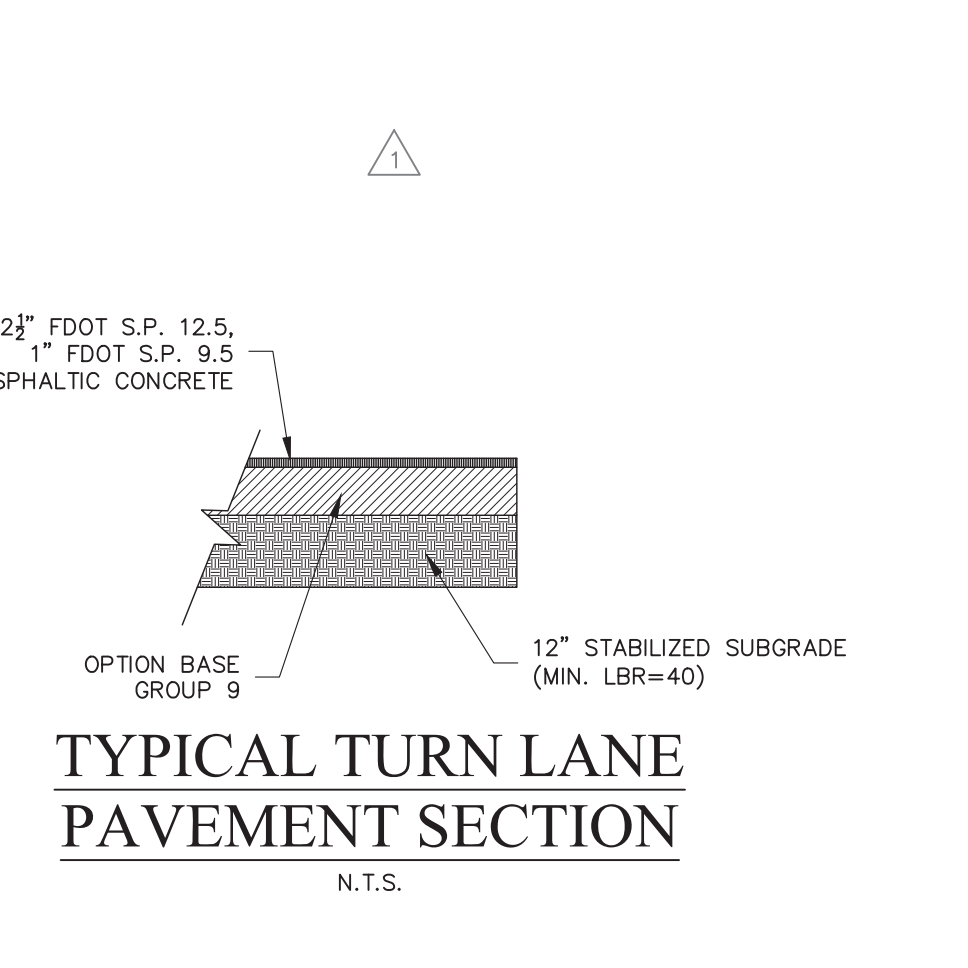
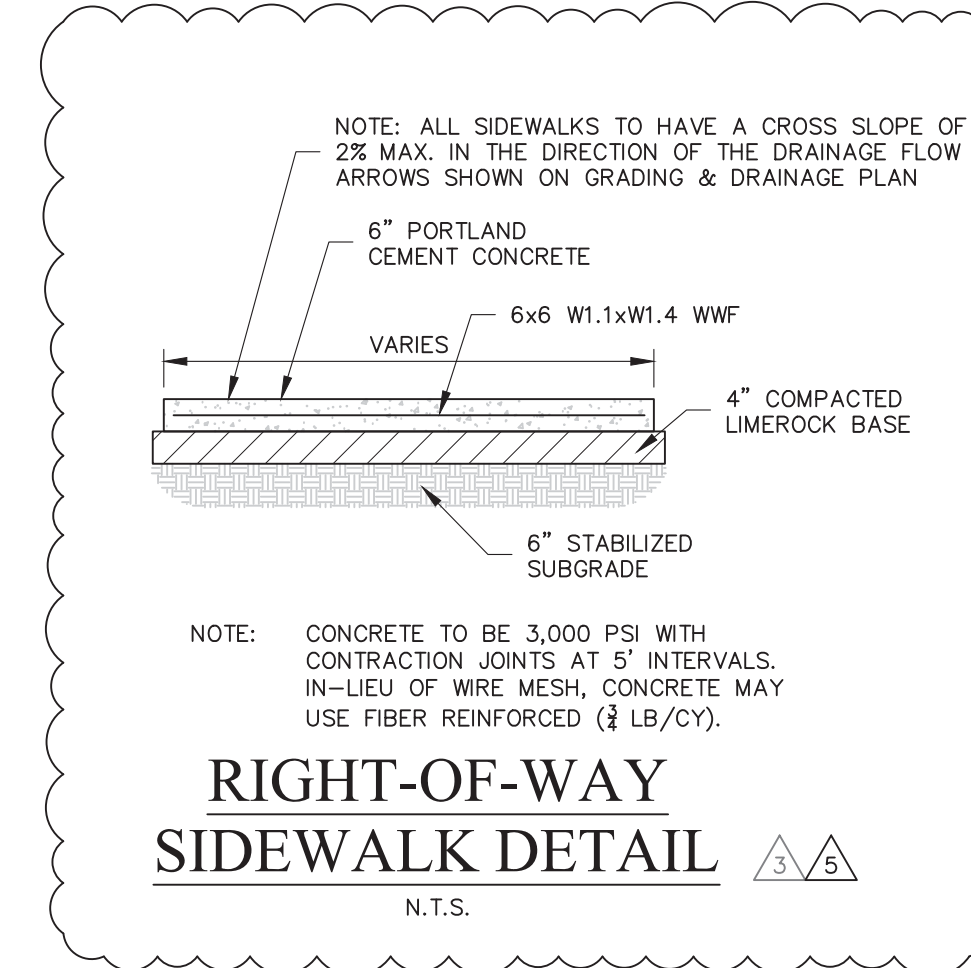
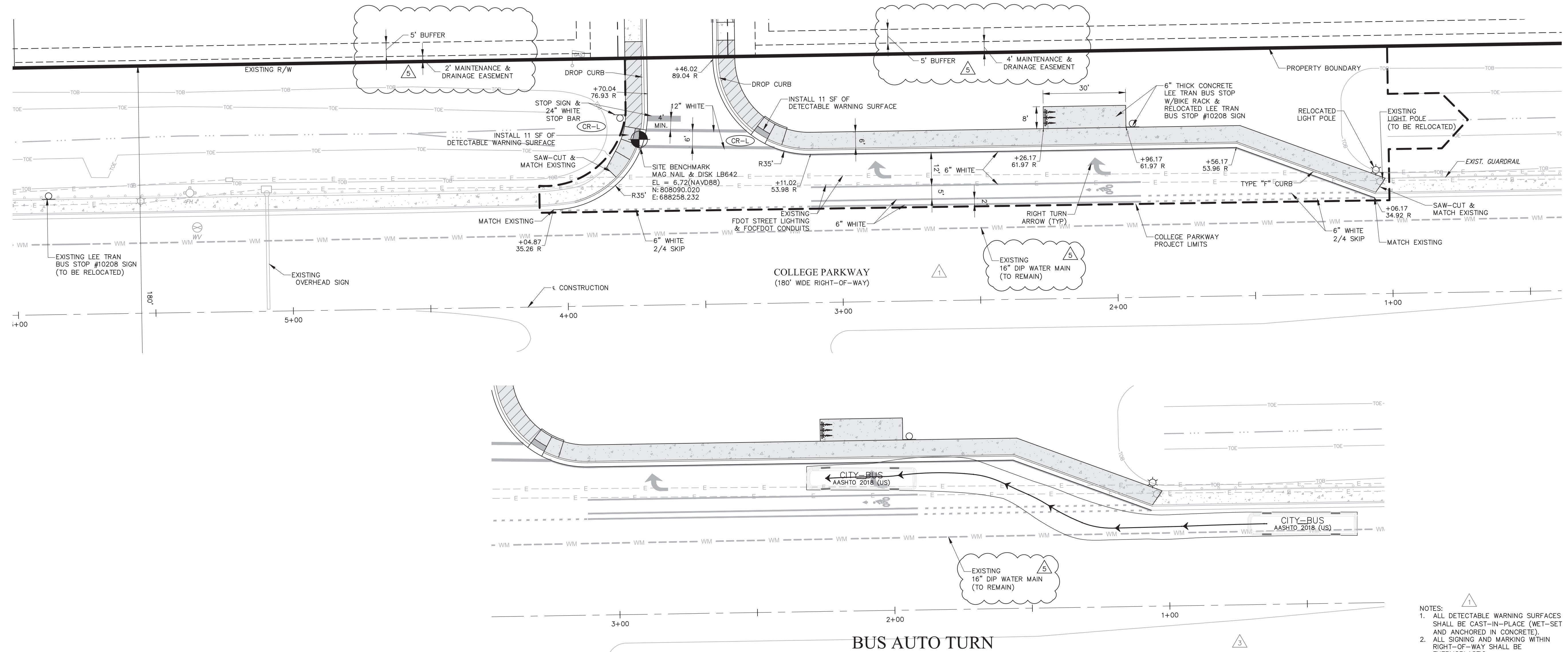
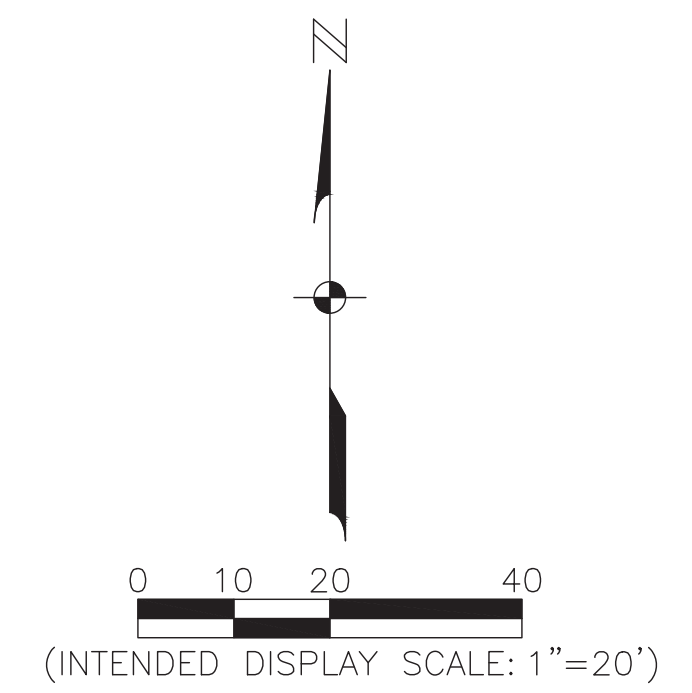
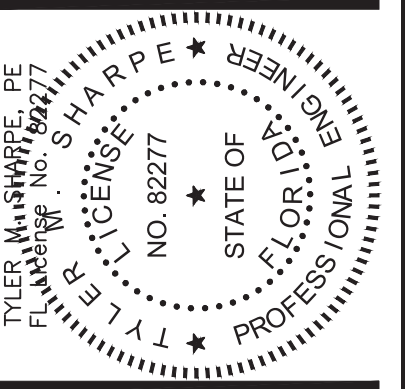
NO.	DATE	DESCRIPTION
1	07/28/21	LEE COUNTY RAI #1
2	11/05/21	LEE COUNTY RAI #2
3	03/07/22	LEE COUNTY RAI #3

DATE: JUNE 2021
 PROJECT NO. 20192125-000
 FILE NO. 15-45-24
 SCALE: 1" = 30'

SITE PLAN

SHEET NUMBER

C09



- NOTES:**
- ALL DETECTABLE WARNING SURFACES SHALL BE CAST-IN-PLACE (WET-SET AND ANCHORED IN CONCRETE).
 - ALL SIGNING AND MARKING WITHIN RIGHT-OF-WAY SHALL BE THERMOPLASTIC.
 - TURN LANE PAVEMENT SECTION TO GO FROM TIE IN TO COLLEGE PARKWAY EOP TO RIGHT-OF-WAY LINE.

College Parkway Land Coverage Table

	Existing		Proposed	
	AC	%	AC	%
Building	0	0%	0	0%
Impervious (Asphalt, Sidewalk, Pool)	0.08	22%	0.21	57%
Road Pond	0.08	21%	0.00	0%
Pervious	0.21	56%	0.16	43%
Total	0.37	100%	0.37	100%

LEGEND

[Symbol]	CONCRETE SIDEWALK
[Symbol]	6" THICK CONCRETE SIDEWALK
[Symbol]	6" THICK CONCRETE SIDEWALK
[Symbol]	PAVEMENT

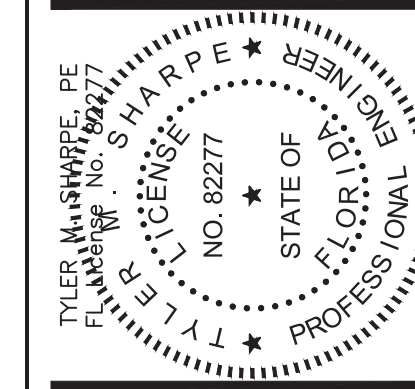
REVISIONS

NO.	DESCRIPTION	DATE
1	LEE COUNTY RAI #1	07/28/21
2	LEE COUNTY RAI #2	11/05/21
3	LEE COUNTY RAI #3	03/07/22

DATE: JUNE 2021
PROJECT NO. 20192125-000
FILE NO. 15-45-24
SCALE: 1" = 20'

COLLEGE PARKWAY TURN LANE SITE PLAN

SHEET NUMBER
C10



ZIMMER DEVELOPMENT COMPANY

INSPIRATION AT SOUTH POINTE
LEE COUNTY, FLORIDA

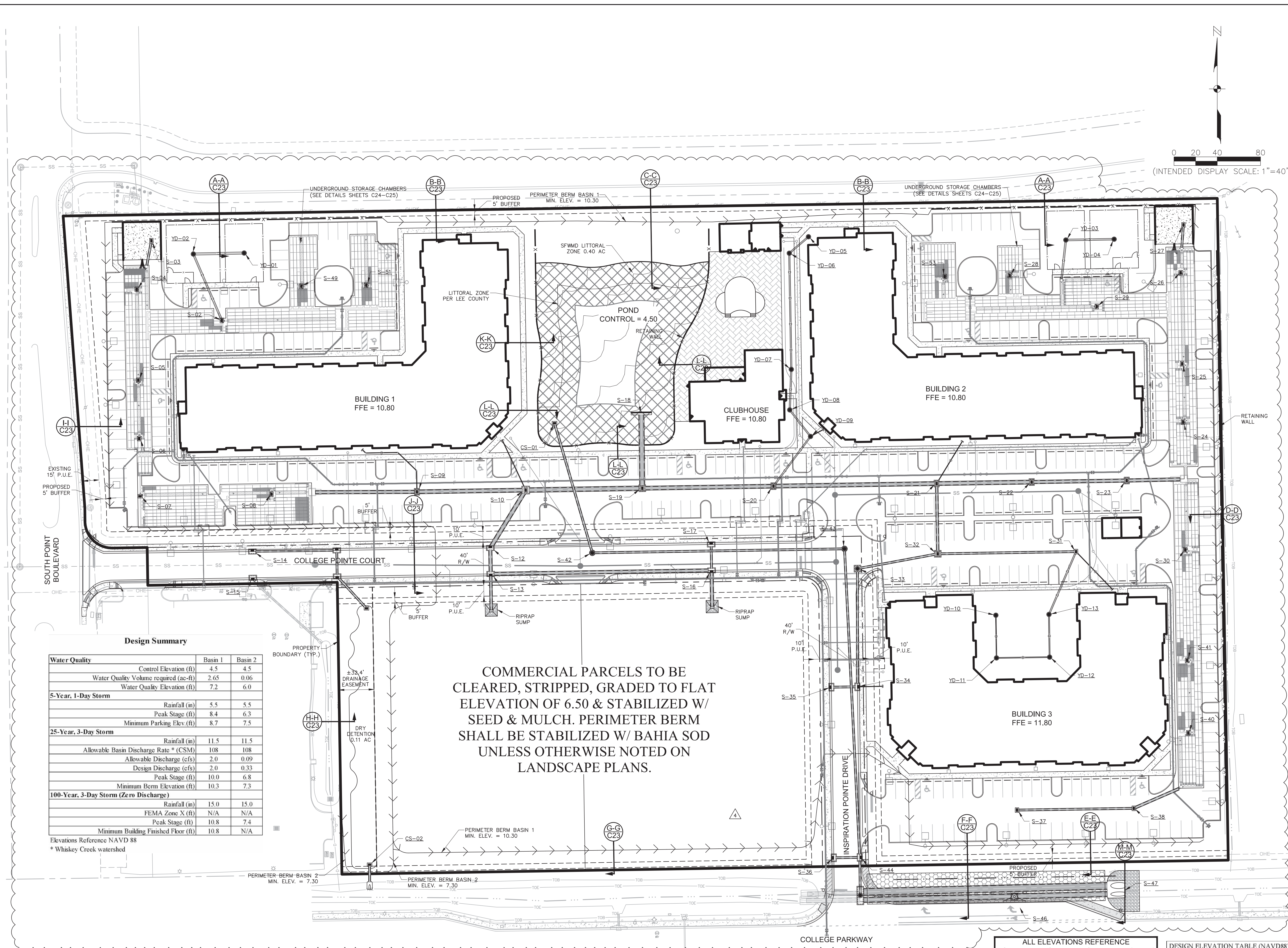
NO.	DATE	DESCRIPTION
1	08/09/21	ERP DETAILS/CLARIFICATION
2	11/05/21	LEE COUNTY RAI #2
3	01/13/22	SFWM RAI #1

DATE: JUNE 2021
PROJECT NO. 2019125-000
FILE NO. 15-45-24
SCALE: 1" = 40'

MASTER PAVING,
GRADING &
DRAINAGE PLAN

SHEET NUMBER

C11



Design Summary

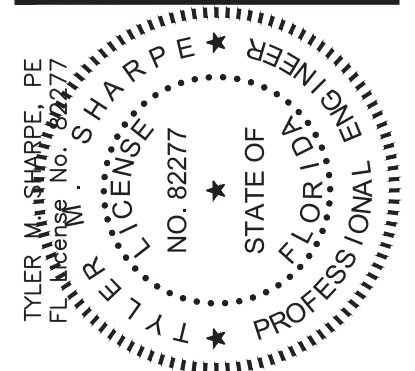
Water Quality	Basin 1	Basin 2
Control Elevation (ft)	4.5	4.5
Water Quality Volume required (ac-ft)	2.65	0.06
Water Quality Elevation (ft)	7.2	6.0
5-Year, 1-Day Storm		
Rainfall (in)	5.5	5.5
Peak Stage (ft)	8.4	6.3
Minimum Parking Elev (ft)	8.7	7.5
25-Year, 3-Day Storm		
Rainfall (in)	11.5	11.5
Allowable Basin Discharge Rate * (CSM)	108	108
Allowable Discharge (cfs)	2.0	0.09
Design Discharge (cfs)	2.0	0.33
Peak Stage (ft)	10.0	6.8
Minimum Berm Elevation (ft)	10.3	7.3
100-Year, 3-Day Storm (Zero Discharge)		
Rainfall (in)	15.0	15.0
FEMA Zone X (ft)	N/A	N/A
Peak Stage (ft)	10.8	7.4
Minimum Building Finished Floor (ft)	10.8	N/A

Elevations Reference NAVD 88
* Whiskey Creek watershed

COMMERCIAL PARCELS TO BE
CLEARED, STRIPPED, GRADED TO FLAT
ELEVATION OF 6.50 & STABILIZED W/
SEED & MULCH. PERIMETER BERM
SHALL BE STABILIZED W/ BAHIA SOD
UNLESS OTHERWISE NOTED ON
LANDSCAPE PLANS.

ALL ELEVATIONS REFERENCE
NORTH AMERICAN VERTICAL DATUM (NAVD)
OF 1988, UNLESS OTHERWISE NOTED.
CONVERSION TO NATIONAL GEODETIC
VERTICAL DATUM (NGVD) OF 1929 IS:
NAVD 1988 (+) 1.18 = NGVD 1929.

DESIGN ELEVATION TABLE (NAVD88)	
Control	4.50
Minimum Road	8.70
Minimum Perimeter Berm	10.30
Minimum Finished Floor	10.80



ZIMMER DEVELOPMENT COMPANY

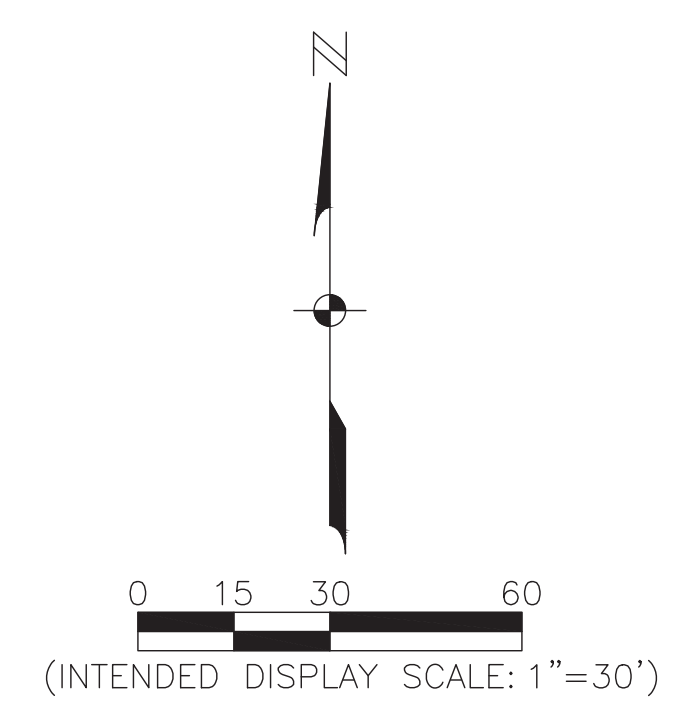
INSPIRATION AT SOUTH POINTE
LEE COUNTY, FLORIDA

NO.	DATE	DESCRIPTION
1	07/28/21	LEE COUNTY RAI #1
2	08/09/21	ERP DETAIL SCALARIFICATION
3	11/05/21	LEE COUNTY RAI #2
4	01/13/22	SF/MD RAI #1

DATE: JUNE 2021
PROJECT NO. 20191215-000
FILE NO. 15-45-24
SCALE: 1" = 30'

PAVING, GRADING & DRAINAGE PLAN

SHEET NUMBER
C12



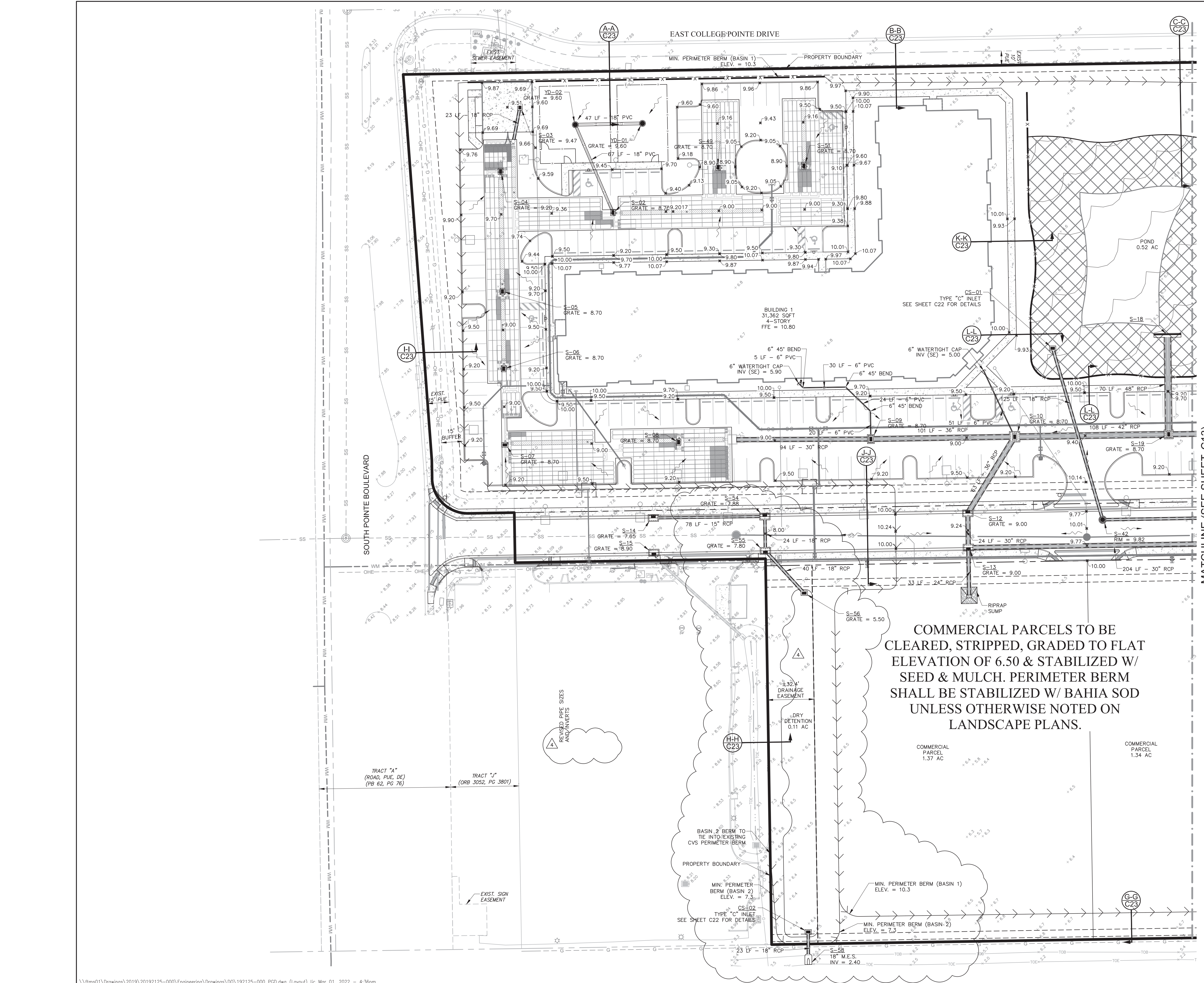
DRAINAGE STRUCTURES TABLE

CS-02 C22 GRATE = 5.50 INV. (S) = 2.40	S-12 TYPE 9 CURB INLET EOP = 9.00 INV. (S) = 3.00 INV. (NE) = 2.65
S-02 TYPE C INLET GRATE = 8.70 INV. (NW) = 4.40	S-13 TYPE 9 CURB INLET GRATE = 9.00 EOP = 3.10 INV. (N) = 3.10 INV. (S) = 1.90
S-03 TYPE C INLET GRATE = 9.47 INV. (S) = 4.70	S-14 EOP J CURB INLET GRATE = 7.65 INV. (E) = 3.20
S-04 TYPE C INLET GRATE = 9.20	S-15 TYPE C INLET GRATE = 8.70 INV. (SE) = 5.27
S-05 TYPE C INLET GRATE = 8.70	S-18 48" ENDWALL GRATE = 1.25 INV. (S) = -3.75
S-06 TYPE C INLET GRATE = 8.70	S-19 TYPE C INLET GRATE = 8.70 RIM J = -3.50 INV. (N) = -3.60 INV. (E) = -0.10
S-07 TYPE C INLET GRATE = 8.70	S-42 JUNCTION BOX GRATE = 9.82 INV. (N) = 1.50 INV. (E) = -1.44
S-08 TYPE C INLET GRATE = 8.70	S-49 TYPE C INLET GRATE = 8.70 EOP = 2.90 INV. (W) = 3.00 INV. (SW) = 2.90 EOP IW = 7.53 INV. (E) = -3.55
S-09 TYPE C INLET GRATE = 8.70 INV. (N) = 3.23 INV. (E) = 2.60 INV. (W) = 3.20	S-54 TYPE 9 CURB INLET EOP = 7.88 INV. (S) = 3.10 INV. (W) = 3.10
S-10 TYPE C INLET GRATE = 8.70 INV. (W) = 3.00 INV. (SW) = 2.90 EOP = 7.53 INV. (E) = -3.55	S-55 TYPE 9 CURB INLET EOP = 7.80 INV. (N) = 3.00 INV. (SE) = 3.00
S-11 TYPE C INLET GRATE = 8.70 INV. (N) = 3.23 INV. (E) = 2.60 INV. (W) = 3.20	S-56 TYPE C INLET GRATE = 5.50 INV. (NW) = 0.70
S-12 TYPE 9 CURB INLET EOP = 9.00 INV. (S) = 3.00 INV. (NE) = 2.65	S-58 18" M.E.S. GRATE = 4.15 INV. (N) = 2.40
S-13 TYPE 9 CURB INLET GRATE = 9.00 EOP = 3.10 INV. (N) = 3.10 INV. (S) = 1.90	YD-01 YARD DRAIN GRATE = 9.60 INV. (W) = 5.00
S-14 EOP J CURB INLET GRATE = 7.65 INV. (E) = 3.20	YD-02 YARD DRAIN GRATE = 9.60 INV. (SE) = 4.90 INV. (E) = 4.90
S-15 TYPE C INLET GRATE = 8.70 INV. (SE) = 5.27	
S-18 48" ENDWALL GRATE = 1.25 INV. (S) = -3.75	
S-19 TYPE C INLET GRATE = 8.70 RIM J = -3.50 INV. (N) = -3.60 INV. (E) = -0.10	
S-42 JUNCTION BOX GRATE = 9.82 INV. (N) = 1.50 INV. (E) = -1.44	
S-49 TYPE C INLET GRATE = 8.70 EOP = 2.90 INV. (W) = 3.00 INV. (SW) = 2.90 EOP IW = 7.53 INV. (E) = -3.55	
S-54 TYPE 9 CURB INLET EOP = 7.88 INV. (S) = 3.10 INV. (W) = 3.10	
S-55 TYPE 9 CURB INLET EOP = 7.80 INV. (N) = 3.00 INV. (SE) = 3.00	
S-56 TYPE C INLET GRATE = 5.50 INV. (NW) = 0.70	
S-58 18" M.E.S. GRATE = 4.15 INV. (N) = 2.40	
YD-01 YARD DRAIN GRATE = 9.60 INV. (W) = 5.00	
YD-02 YARD DRAIN GRATE = 9.60 INV. (SE) = 4.90 INV. (E) = 4.90	

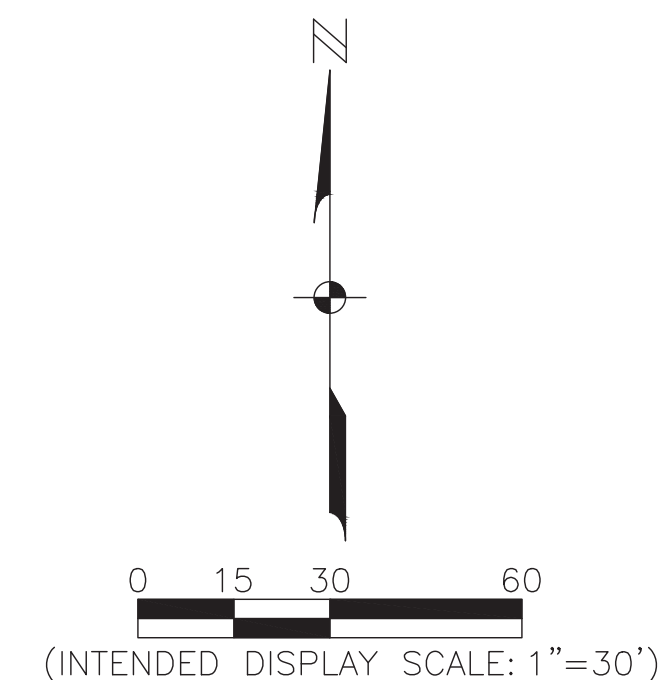
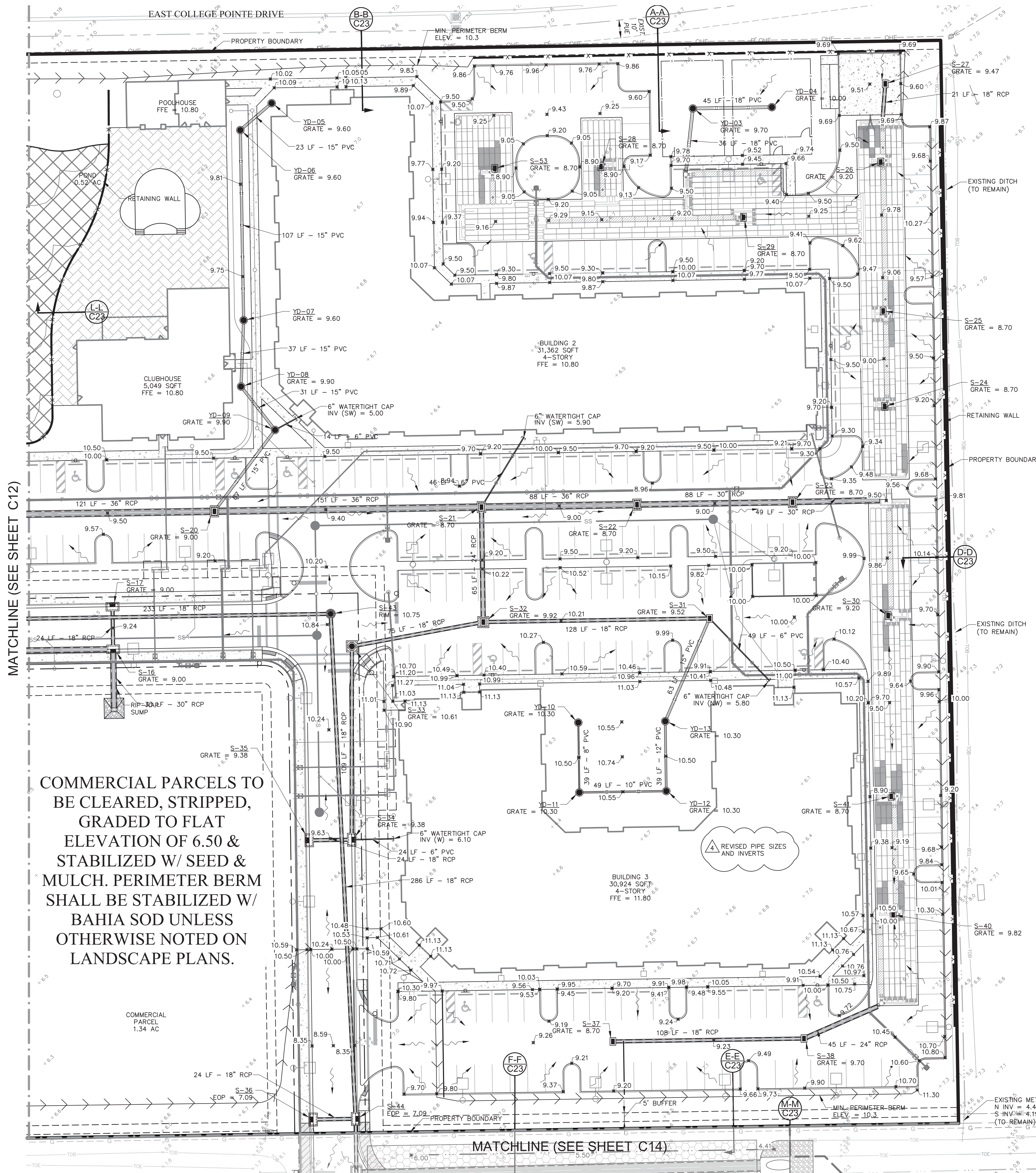
DESIGN ELEVATION TABLE (NAVD88)	
Control	4.50
Minimum Road	8.70
Minimum Perimeter Berm	10.30
Minimum Finished Floor	10.80

LEGEND	
	EXISTING GRADE
	PROPOSED GRADE
	CONCRETE SIDEWALK
	POND
	UNDERGROUND STORAGE CHAMBER AREA

ALL ELEVATIONS REFERENCE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988, UNLESS OTHERWISE NOTED. CONVERSION TO NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929 IS: NAVD 1988 (+) 1.18 = NGVD 1929.



COMMERCIAL PARCELS TO BE CLEARED, STRIPPED, GRADED TO FLAT ELEVATION OF 6.50 & STABILIZED W/ SEED & MULCH. PERIMETER BERM SHALL BE STABILIZED W/ BAHIA SOD UNLESS OTHERWISE NOTED ON LANDSCAPE PLANS.



DRAINAGE STRUCTURES TABLE

S-16 TYPE 9 CURB INLET EOP = 9.00 INV. (N) = 4.10 INV. (W) = 3.20 INV. (S) = 1.40	S-38 TYPE C INLET GRATE = 9.70 INV. (W) = 4.10 INV. (NE) = 1.50
S-17 TYPE 9 CURB INLET EOP = 9.00 INV. (S) = 4.20	S-40 TYPE C INLET GRATE = 9.82
S-20 TYPE C INLET GRATE = 9.00 INV. (W) = 0.00 INV. (NE) = 2.40 INV. (E) = 0.00	S-41 TYPE C INLET GRATE = 8.70
S-21 TYPE C INLET GRATE = 8.70 INV. (W) = 0.00 INV. (S) = -1.30 INV. (NE) = 2.61 INV. (E) = 0.20	S-43 JUNCTION BOX RIM = 10.75 INV. (W) = -1.44 INV. (S) = 0.60
S-22 TYPE C INLET GRATE = 8.70 INV. (W) = 0.30 INV. (E) = 0.80	S-44 TYPE 9 CURB INLET EOP = 7.09 INV. (N) = 0.60 INV. (W) = 2.20 INV. (S) = 2.20
S-23 TYPE C INLET GRATE = 8.70 INV. (W) = 0.90 INV. (E) = 3.20	S-46 TYPE 2 CURB INLET EOP = 6.70 INV. (E) = 0.58 INV. (W) = 0.58
S-24 TYPE C INLET GRATE = 8.70	S-47 DOUBLE M.E.S. INV. (W) = 0.40 INV. (E) = 0.40
S-25 TYPE C INLET GRATE = 8.70	S-53 GRATE = 8.70
S-26 TYPE C INLET GRATE = 9.20	YD-03 YARD DRAIN GRATE = 9.70 INV. (E) = 4.90 INV. (S) = 4.90
S-27 TYPE C INLET GRATE = 9.47 INV. (S) = 4.80	YD-04 YARD DRAIN GRATE = 10.00 INV. (W) = 5.00
S-28 TYPE C INLET GRATE = 8.70	YD-05 YARD DRAIN GRATE = 9.60 INV. (SW) = 4.00
S-29 TYPE C INLET GRATE = 8.70	YD-06 YARD DRAIN GRATE = 9.60 INV. (NE) = 4.00 INV. (S) = 5.30
S-30 TYPE C INLET GRATE = 9.20	YD-07 YARD DRAIN GRATE = 9.60 INV. (N) = 5.20 INV. (S) = 5.20
S-31 TYPE C INLET GRATE = 9.52 INV. (SE) = 5.00 INV. (SW) = 5.20 INV. (W) = 3.00	YD-08 YARD DRAIN GRATE = 9.90 INV. (N) = 5.10 INV. (SE) = 2.70
S-32 TYPE C INLET GRATE = 9.92 INV. (W) = 1.30 INV. (E) = 3.00 INV. (N) = -1.40	YD-09 YARD DRAIN GRATE = 9.90 INV. (NW) = 2.50 INV. (NE) = 4.90 INV. (SW) = 2.50
S-33 JUNCTION BOX RIM = 10.61 INV. (S) = 1.40 INV. (E) = 2.65	YD-10 YARD DRAIN GRATE = 10.30 INV. (S) = 6.60
S-34 TYPE 9 CURB INLET EOP = 9.38 INV. (W) = 4.60 INV. (E) = 5.80 INV. (N) = 1.50	YD-11 YARD DRAIN GRATE = 10.30 INV. (N) = 6.50 INV. (E) = 6.40
S-35 TYPE 9 CURB INLET EOP = 9.38 INV. (E) = 4.65	YD-12 YARD DRAIN GRATE = 10.30 INV. (W) = 6.30 INV. (N) = 6.20
S-36 TYPE 9 CURB INLET EOP = 7.09 INV. (E) = 2.30	YD-13 YARD DRAIN GRATE = 10.30 INV. (S) = 6.10 INV. (NE) = 6.00
S-37 TYPE C INLET GRATE = 8.70 INV. (E) = 4.20	

COMMERCIAL PARCELS TO BE CLEARED, STRIPPED, GRADED TO FLAT ELEVATION OF 6.50 & STABILIZED W/ SEED & MULCH. PERIMETER BERM SHALL BE STABILIZED W/ BAHIA SOD UNLESS OTHERWISE NOTED ON LANDSCAPE PLANS.

REVISD PIPE SIZES AND INVERTS

DESIGN ELEVATION TABLE (NAVD88)

Control	4.50
Minimum Road	8.70
Minimum Perimeter Berm	10.30
Minimum Finished Floor	10.80

LEGEND

	EXISTING GRADE
	PROPOSED GRADE
	CONCRETE SIDEWALK
	POND
	UNDERGROUND STORAGE CHAMBER AREA

ALL ELEVATIONS REFERENCE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988, UNLESS OTHERWISE NOTED. CONVERSION TO NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929 IS: NAVD 1988 (+) 1.18 = NGVD 1929.

JOHNSON ENGINEERING
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET
 FORT MYERS, FLORIDA 33901
 PHONE: (239) 334-0046
 FAX: (239) 334-3661
 E.B. #642 & L.B. #642

ZIMMER DEVELOPMENT COMPANY

INSPIRATION AT SOUTH POINTE
 LEE COUNTY, FLORIDA

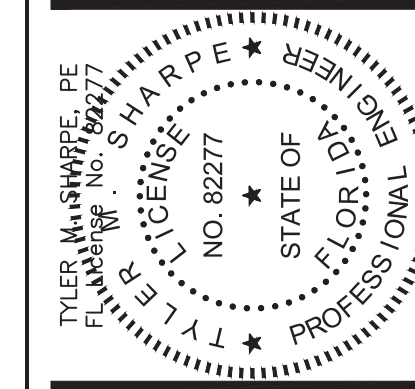
REVISIONS

NO.	DATE	DESCRIPTION
1	07/28/21	LEE COUNTY RAI #1
2	11/05/21	LEE COUNTY RAI #2
3	01/13/22	SPAWD RAI #1

DATE: JUNE 2021
 PROJECT NO. 2019125-000
 FILE NO. 15-45-24
 SCALE: 1" = 30'

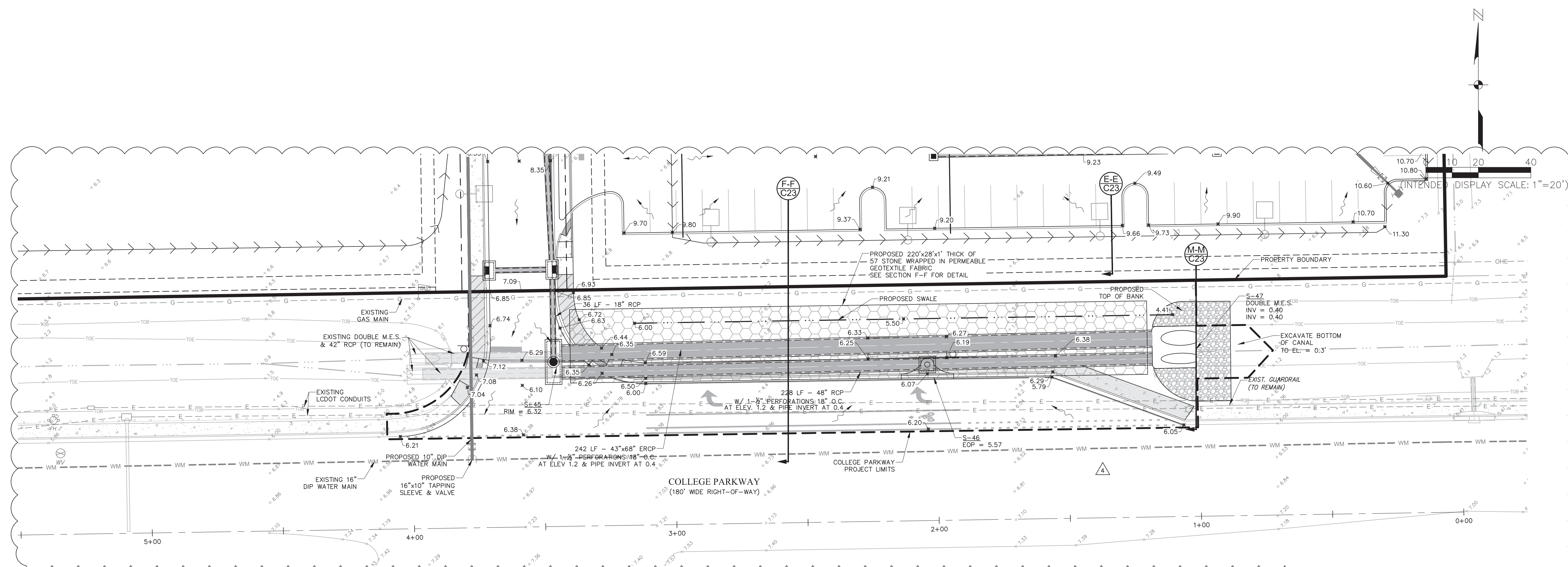
PAVING, GRADING & DRAINAGE PLAN

SHEET NUMBER
C13



ZIMMER DEVELOPMENT COMPANY

INSPIRATION AT SOUTH POINTE
LEE COUNTY, FLORIDA



DRAINAGE STRUCTURES TABLE

S-45 JUNCTION BOX RIM = 6.32 INV. (N) = 2.10 INV. (E) = 0.84 INV. (W) = 0.83
S-46 TYPE 2 CURB INLET EOP = 6.70 INV. (E) = 0.58 INV. (W) = 0.58
S-47 DOUBLE M.E.S. INV. (W) = 0.40 INV. (E) = 0.40

- NOTES:
- CONTRACTOR TO REPAVE COLLEGE PARKWAY W/ TURN LANE PAVEMENT SECTION (SHEET C10) FOR WATER MAIN HOT TAP REHAB. CONTRACTOR SHALL ALSO MILL & RESURFACE COLLEGE PARKWAY AS DIRECTED BY LDCOT. CONTRACTOR SHALL BUDGET FOR 650 SY OF NIGHT TIME MILL & RESURFACE 1 1/2" SP-12.5 W/ MOT TO COVER THIS ITEM & LIST AS CONTINGENCY TO OWNER.
 - CONTRACTOR SHALL PROTECT EXISTING LDCOT CONDUITS DURING CONSTRUCTION & COORDINATE W/ LDCOT IF IT APPEARS THESE CONDUITS WILL NEED TO BE RELOCATED.

ALL ELEVATIONS REFERENCE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988, UNLESS OTHERWISE NOTED. CONVERSION TO NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929 IS: NAVD 1988 (+) 1.18 = NGVD 1929.

LEGEND	
	EXISTING GRADE
	PROPOSED GRADE
	CONCRETE SIDEWALK
	POND

NO.	DATE	DESCRIPTION
1	07/28/21	LEE COUNTY RAI #1
2	08/09/21	ERP DETAILS/CLARIFICATION
3	11/05/21	LEE COUNTY RAI #2
4	01/13/22	SFVMD RAI #1

DATE: JUNE 2021
PROJECT NO. 2019125-000
FILE NO. 15-45-24
SCALE: 1" = 30'

COLLEGE PARKWAY PAVING, GRADING, DRAINAGE & UTILITY PLAN

SHEET NUMBER
C14

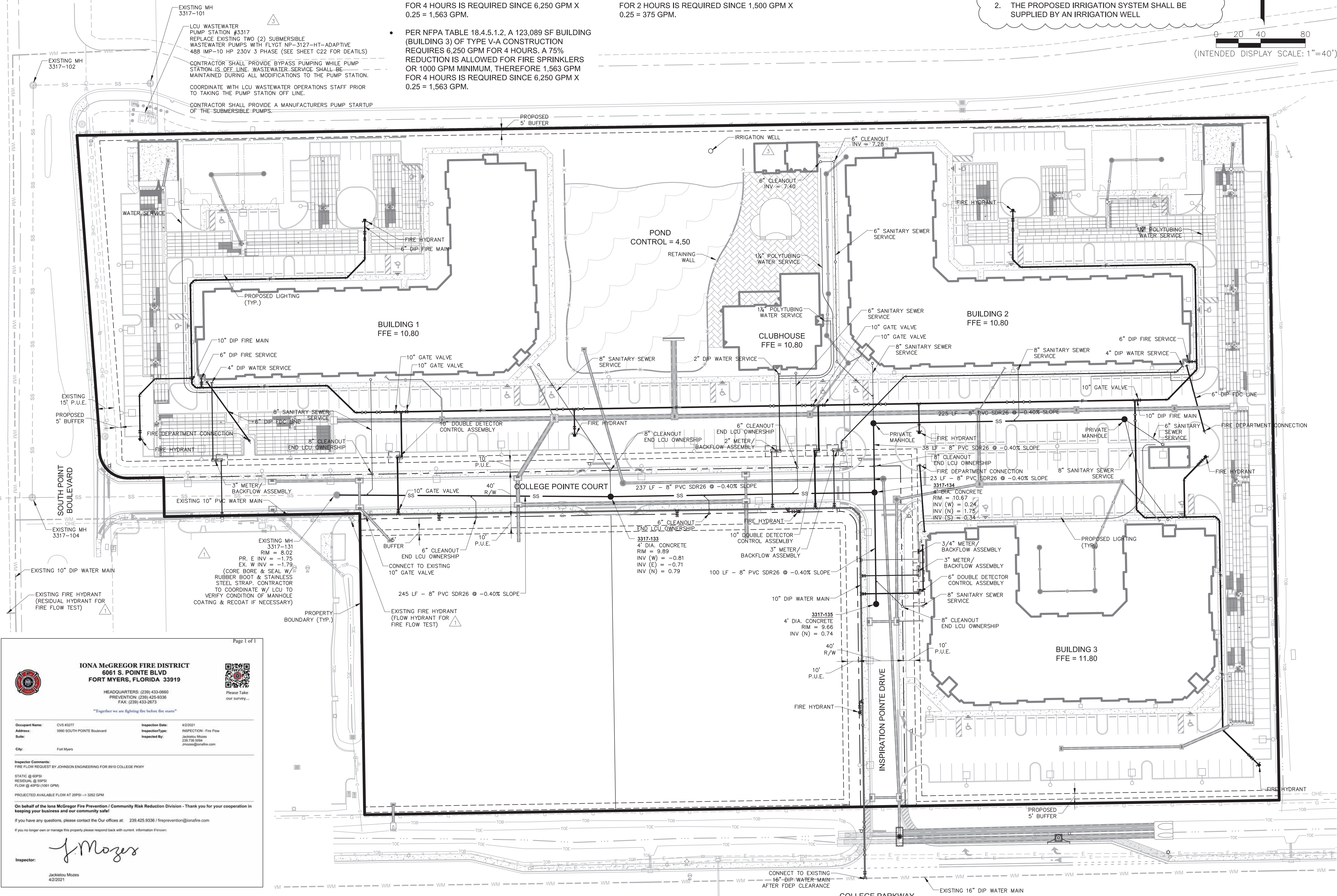
FIRE FLOW REQUIREMENTS

- PER NFPA TABLE 18.4.5.1.2, A 125,249 SF BUILDING (BUILDINGS 1 & 2) OF TYPE V-A CONSTRUCTION REQUIRES 6,250 GPM FOR 4 HOURS. A 75% REDUCTION IS ALLOWED FOR FIRE SPRINKLERS OR 1000 GPM MINIMUM, THEREFORE 1,563 GPM FOR 4 HOURS IS REQUIRED SINCE 6,250 GPM X 0.25 = 1,563 GPM.
- PER NFPA TABLE 18.4.5.1.2, A 123,089 SF BUILDING (BUILDING 3) OF TYPE V-A CONSTRUCTION REQUIRES 6,250 GPM FOR 4 HOURS. A 75% REDUCTION IS ALLOWED FOR FIRE SPRINKLERS OR 1000 GPM MINIMUM, THEREFORE 1,563 GPM FOR 4 HOURS IS REQUIRED SINCE 6,250 GPM X 0.25 = 1,563 GPM.
- PER NFPA TABLE 18.4.5.1.2, A 5,049 SF BUILDING (CLUBHOUSE) OF TYPE V-A CONSTRUCTION REQUIRES 1,500 GPM FOR 2 HOURS. A 75% REDUCTION IS ALLOWED FOR FIRE SPRINKLERS OR 1000 GPM MINIMUM, THEREFORE 1,000 GPM FOR 2 HOURS IS REQUIRED SINCE 1,500 GPM X 0.25 = 375 GPM.

NOTE:
 1. MINIMUM 5' SEPARATION BETWEEN PROPOSED LIGHT POLE FOUNDATIONS AND ALL EXISTING AND PROPOSED LCU PIPES OR FACILITIES.
 2. THE PROPOSED IRRIGATION SYSTEM SHALL BE SUPPLIED BY AN IRRIGATION WELL

NOTES:
 1. PROPOSED METHOD OF IRRIGATION SHALL BE A WELL.

(INTENDED DISPLAY SCALE: 1"=40')



IONA Mcgregor FIRE DISTRICT
 6061 S. POINTE BLVD
 FORT MYERS, FLORIDA 33919
 HEADQUARTERS: (239) 433-0660
 PREVENTION: (239) 425-9336
 FAX: (239) 433-2673

"Together we are fighting fire before fire starts"

Occupant Name: CVS #3277
 Address: 5960 SOUTH POINTE Boulevard
 City: Fort Myers

Inspection Date: 4/2/2021
 Inspection Type: INSPECTION - Fire Flow
 Inspected By: Jackelou Mozes
 jmozes@ionafire.com

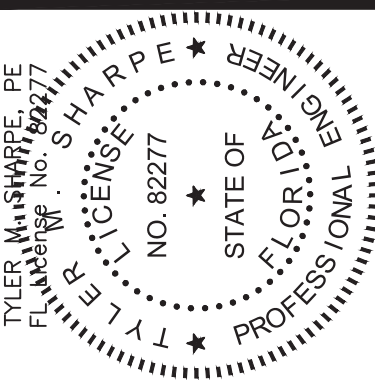
Inspector Comments:
 FIRE FLOW REQUEST BY JOHNSON ENGINEERING FOR 8110 COLLEGE PKWY
 STATIC @ 60PSI
 RESIDUAL @ 50PSI
 FLOW @ 80PSI (1061 GPM)
 PROJECTED AVAILABLE FLOW AT 20PSI → 3262 GPM

On behalf of the Iona Mcgregor Fire Prevention / Community Risk Reduction Division - Thank you for your cooperation in keeping your business and our community safe!

If you have any questions, please contact the Our Offices at: 239.425.9336 / fireprevention@ionafire.com

If you no longer own or manage this property please respond back with current information if known.

Inspector: *J. Mozes*
 Jackelou Mozes
 4/2/2021



ZIMMER DEVELOPMENT COMPANY

INSPIRATION AT SOUTH POINTE
 LEE COUNTY, FLORIDA

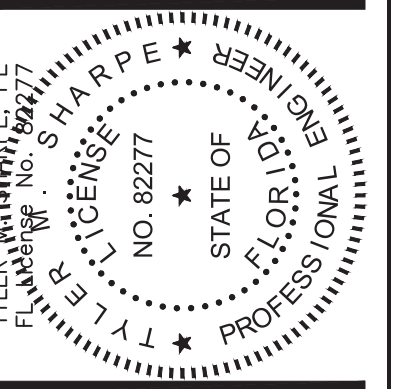
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2	11/05/21	LEE COUNTY RAI #2
3	03/07/22	LEE COUNTY RAI #3

DATE: JUNE 2021
 PROJECT NO. 2019125-000
 FILE NO. 15-45-24
 SCALE: 1" = 40'

MASTER UTILITY PLAN

SHEET NUMBER

C15



ZIMMER DEVELOPMENT COMPANY

INSPIRATION AT SOUTH POINTE
LEE COUNTY, FLORIDA

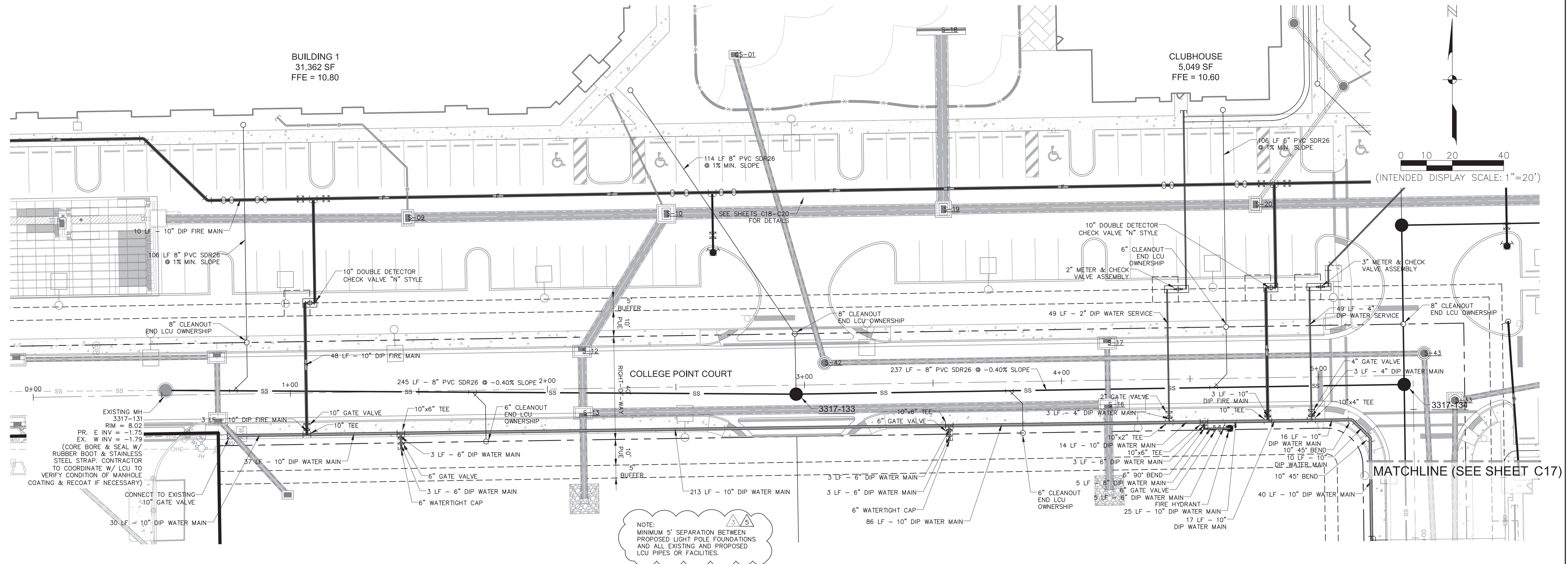
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2	11/05/21	LEE COUNTY RAI #2
3	03/07/22	LEE COUNTY RAI #3

DATE: JUNE 2021
PROJECT NO. 2019125-000
FILE NO. 15-45-24
SCALE: 1" = 20'

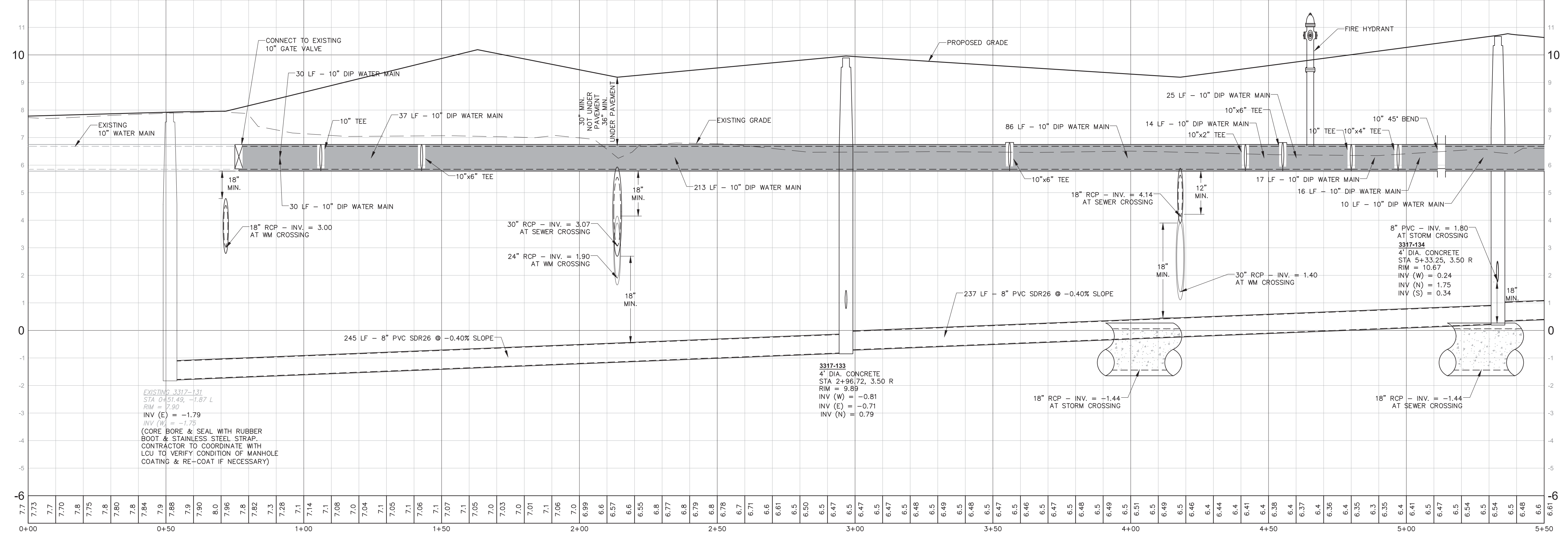
PLAN & PROFILE

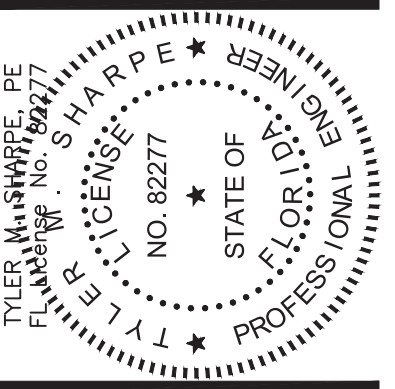
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C16



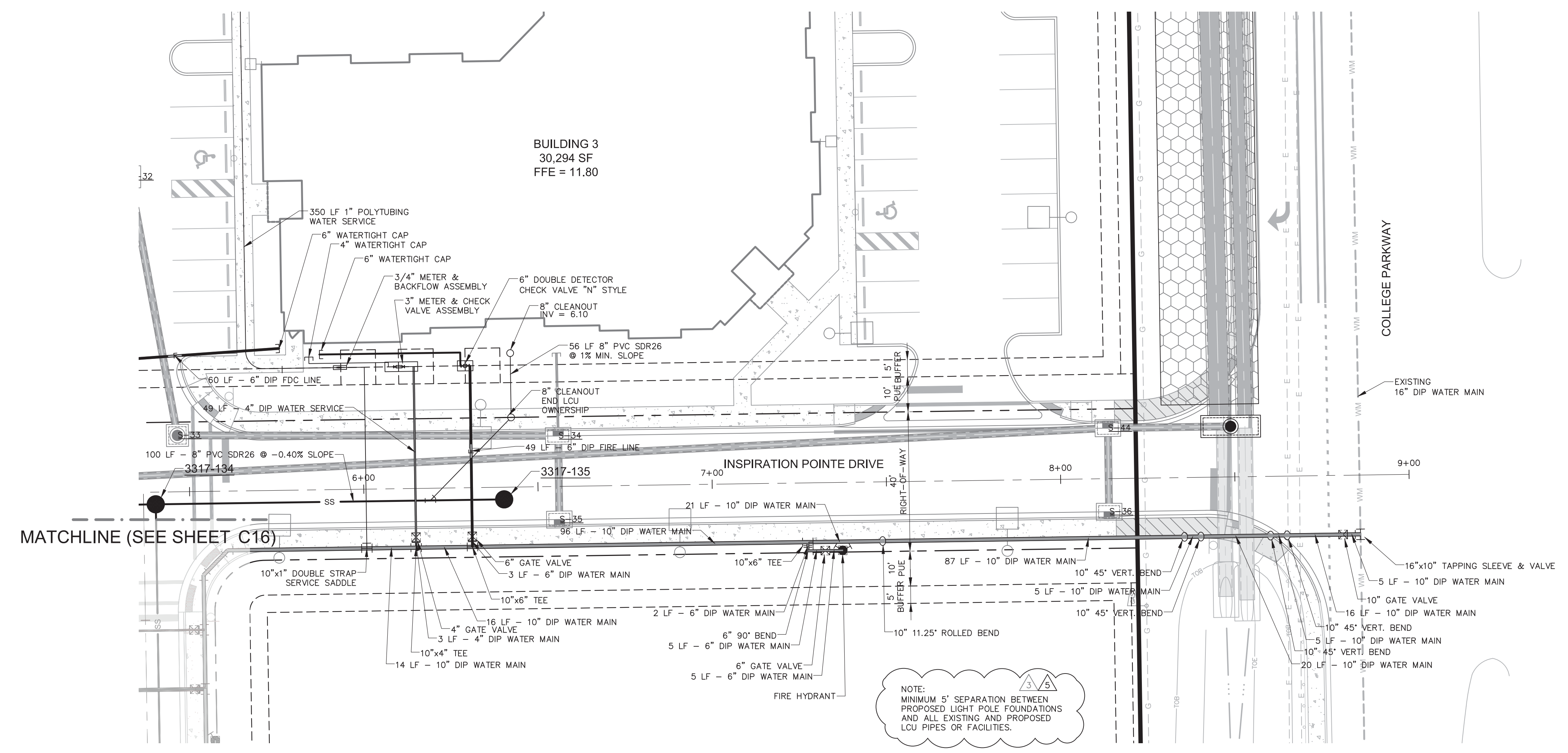
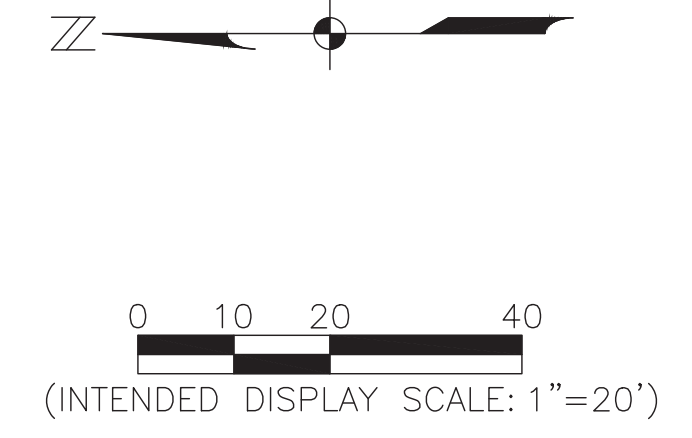
Profile View
Sta: 0+00 to Sta: 5+50
Hor. Scale: 1" = 20'
Vert. Scale: 1" = 2'





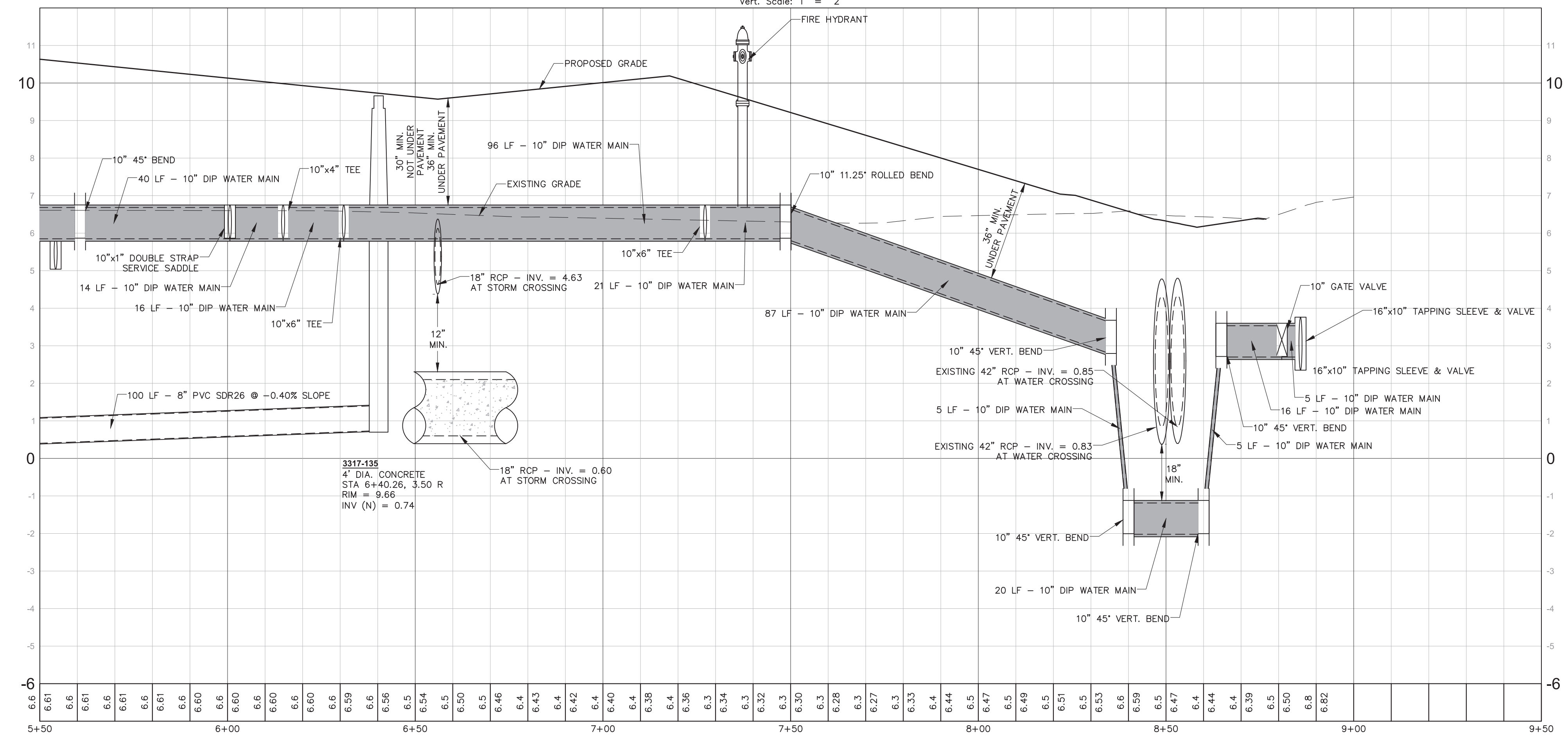
ZIMMER DEVELOPMENT COMPANY

INSPIRATION AT SOUTH POINTE
LEE COUNTY, FLORIDA



NOTE:
MINIMUM 5' SEPARATION BETWEEN
PROPOSED LIGHT POLE FOUNDATIONS
AND ALL EXISTING AND PROPOSED
LCU PIPES OR FACILITIES.

Profile View
Sta: 5+50 to Sta: 9+50
Hor. Scale: 1" = 20'
Vert. Scale: 1" = 2'



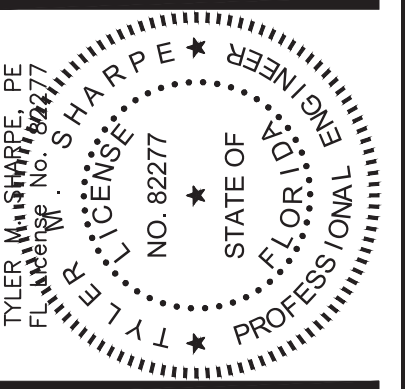
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2	11/05/21	LEE COUNTY RAI #2
3	03/01/22	LEE COUNTY RAI #3

DATE: JUNE 2021
PROJECT NO. 2019125-000
FILE NO. 15-45-24
SCALE: 1" = 20'

PLAN & PROFILE

SHEET NUMBER

C17



ZIMMER DEVELOPMENT COMPANY

INSPIRATION AT SOUTH POINTE
LEE COUNTY, FLORIDA

REVISIONS

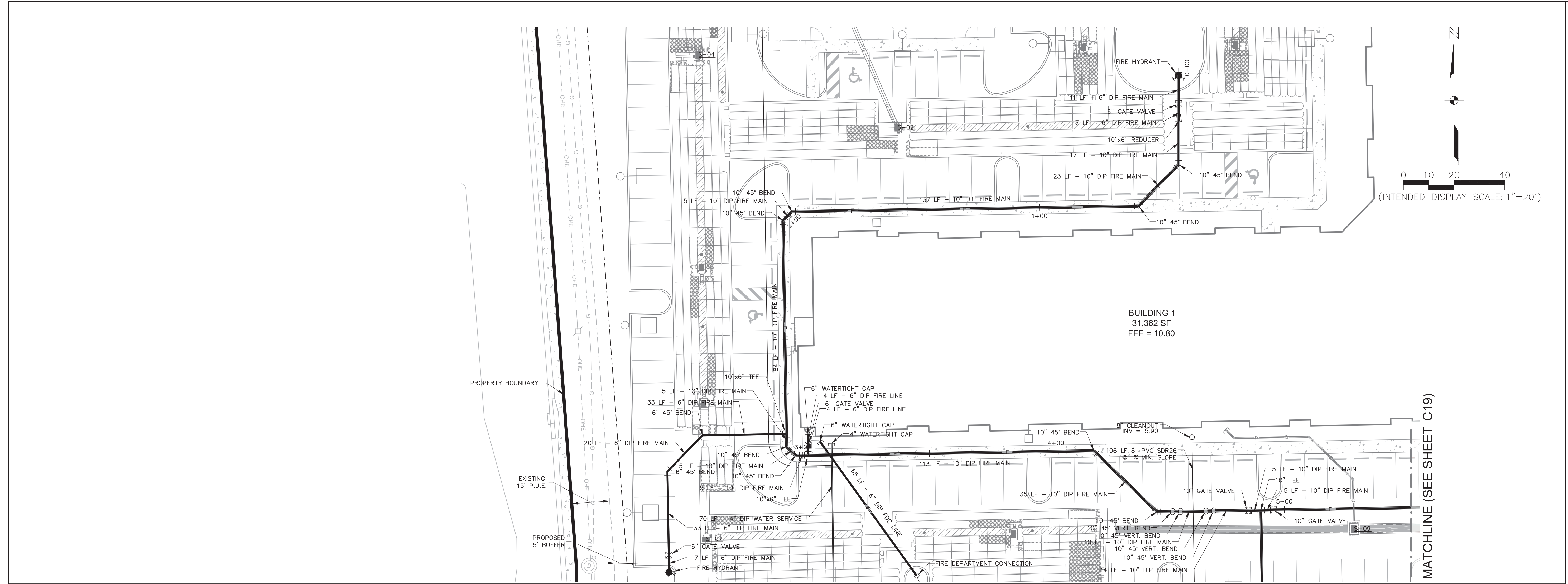
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2	11/05/21	LEE COUNTY RAI #2

DATE: JUNE 2021
PROJECT NO. 20192125-000
FILE NO. 15-45-24
SCALE: 1" = 20'

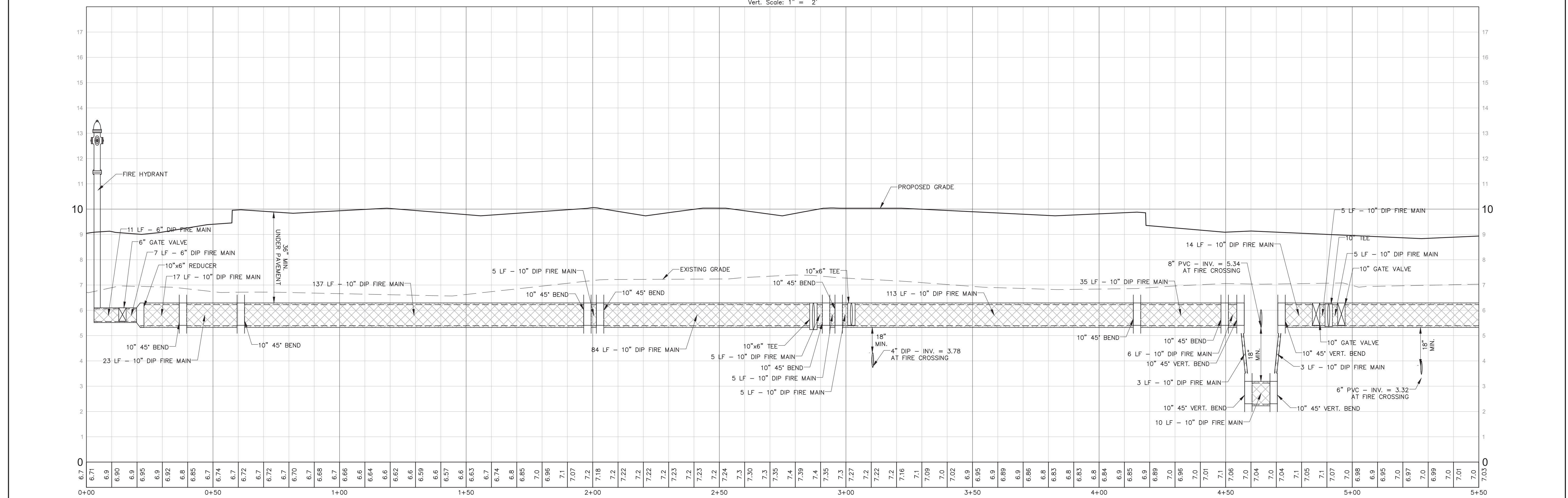
PLAN & PROFILE

SHEET NUMBER

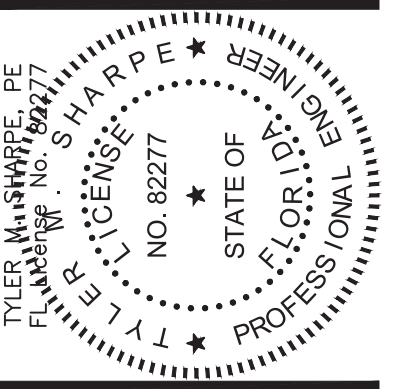
C18



Profile View
Sta: 0+00 to Sta: 5+50
Hor. Scale: 1" = 20'
Vert. Scale: 1" = 2'



\\fms01\Drawings\2019\20192125-000\Engineering\Drawings\DO\192125-000 P&P.dwg (Layout (3)) Ijc Mar 01, 2022 - 4:37pm



ZIMMER DEVELOPMENT COMPANY

INSPIRATION AT SOUTH POINTE
LEE COUNTY, FLORIDA

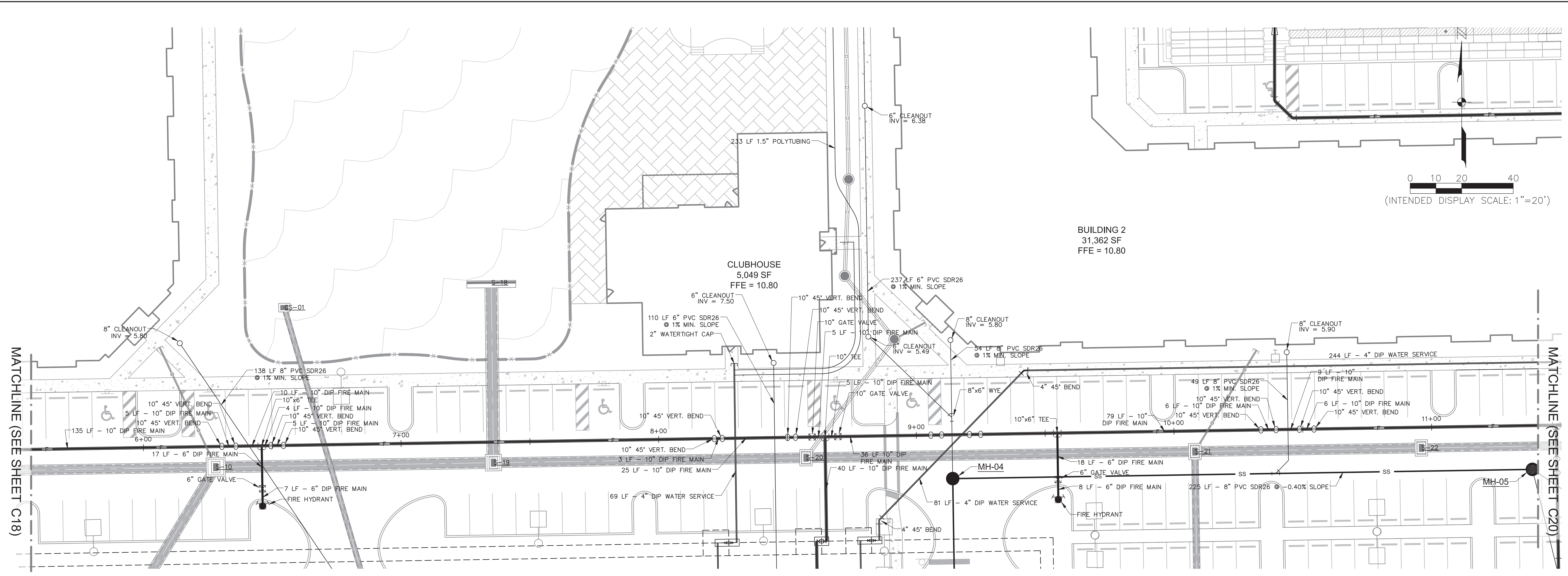
NO.	DATE	DESCRIPTION
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2	11/05/21	LEE COUNTY RA1#2

DATE: JUNE 2021
PROJECT NO. 20192125-000
FILE NO. 15-45-24
SCALE: 1" = 20'

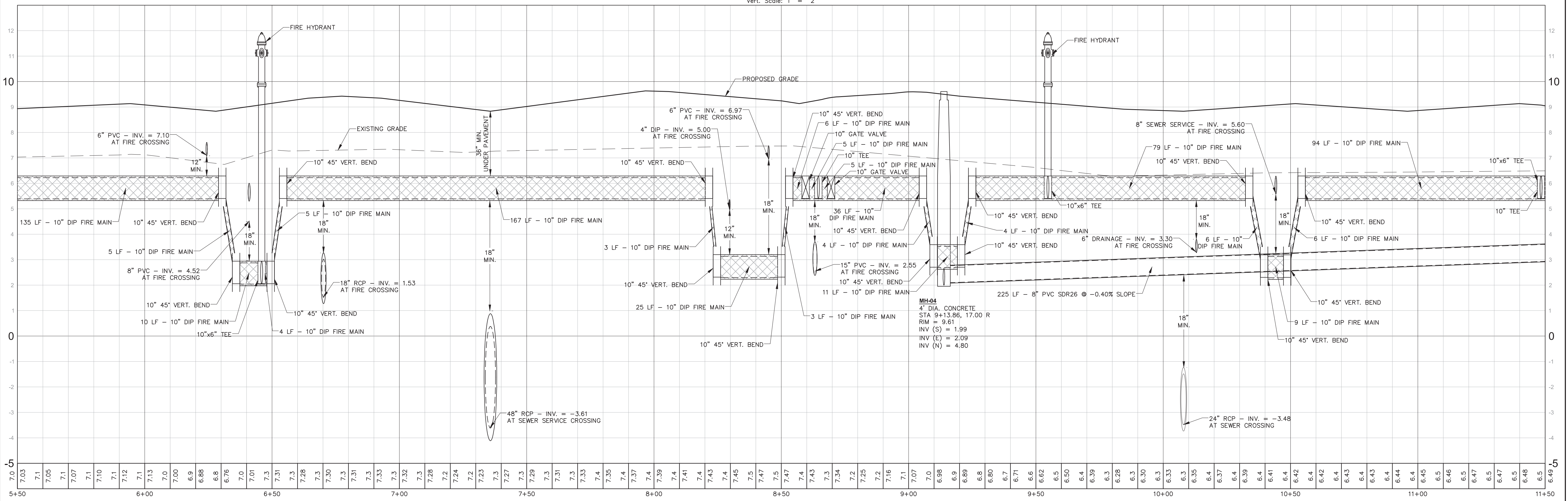
PLAN & PROFILE

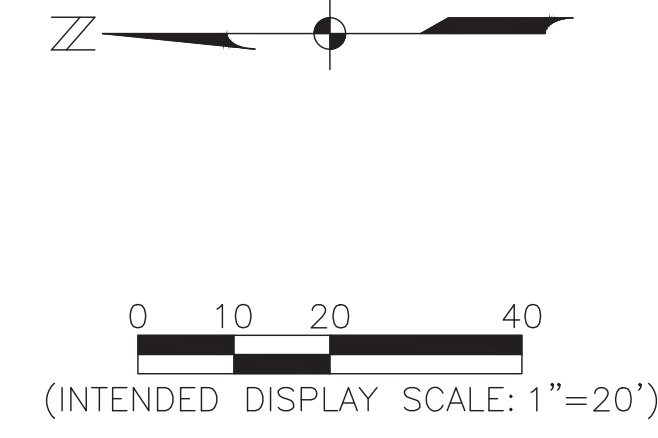
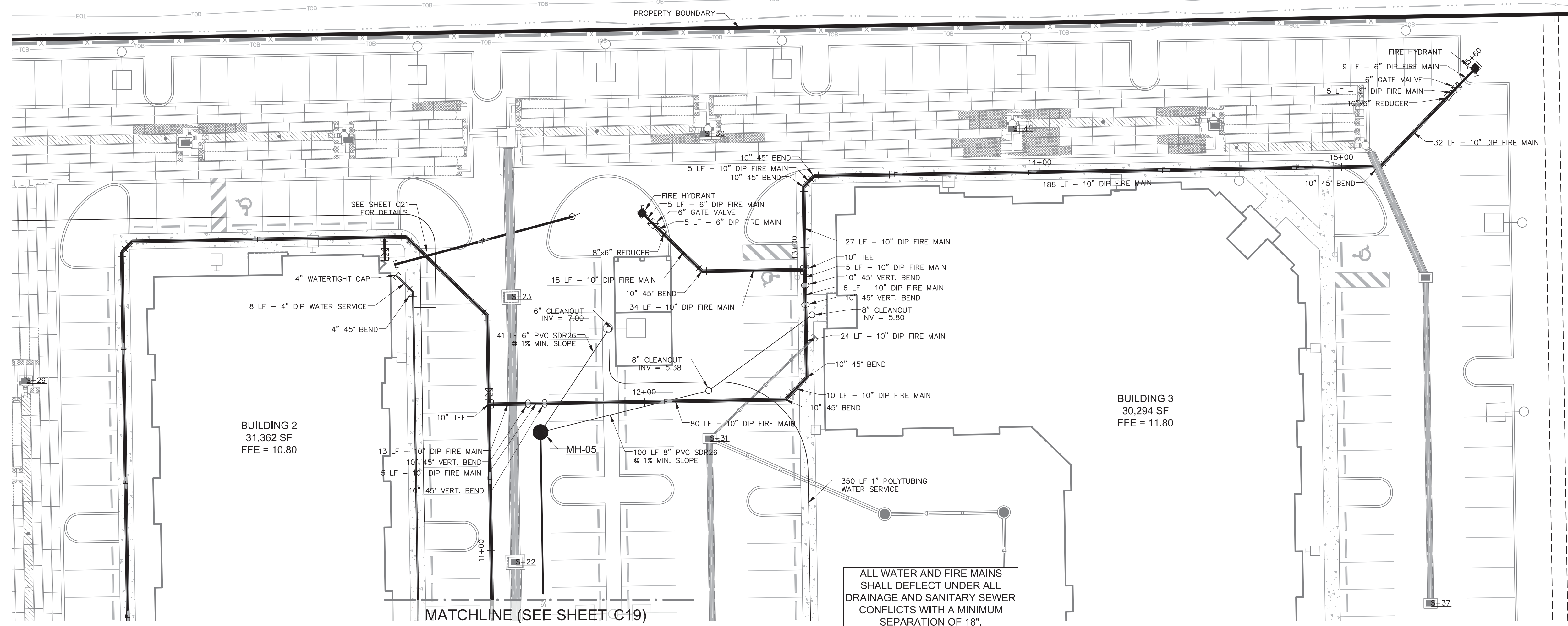
SHEET NUMBER

C19



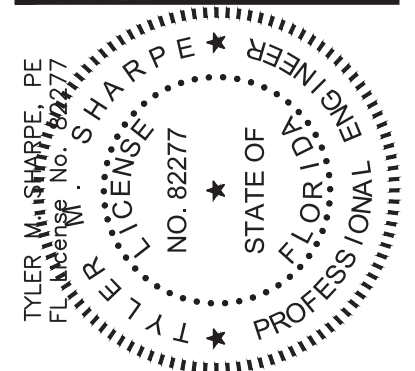
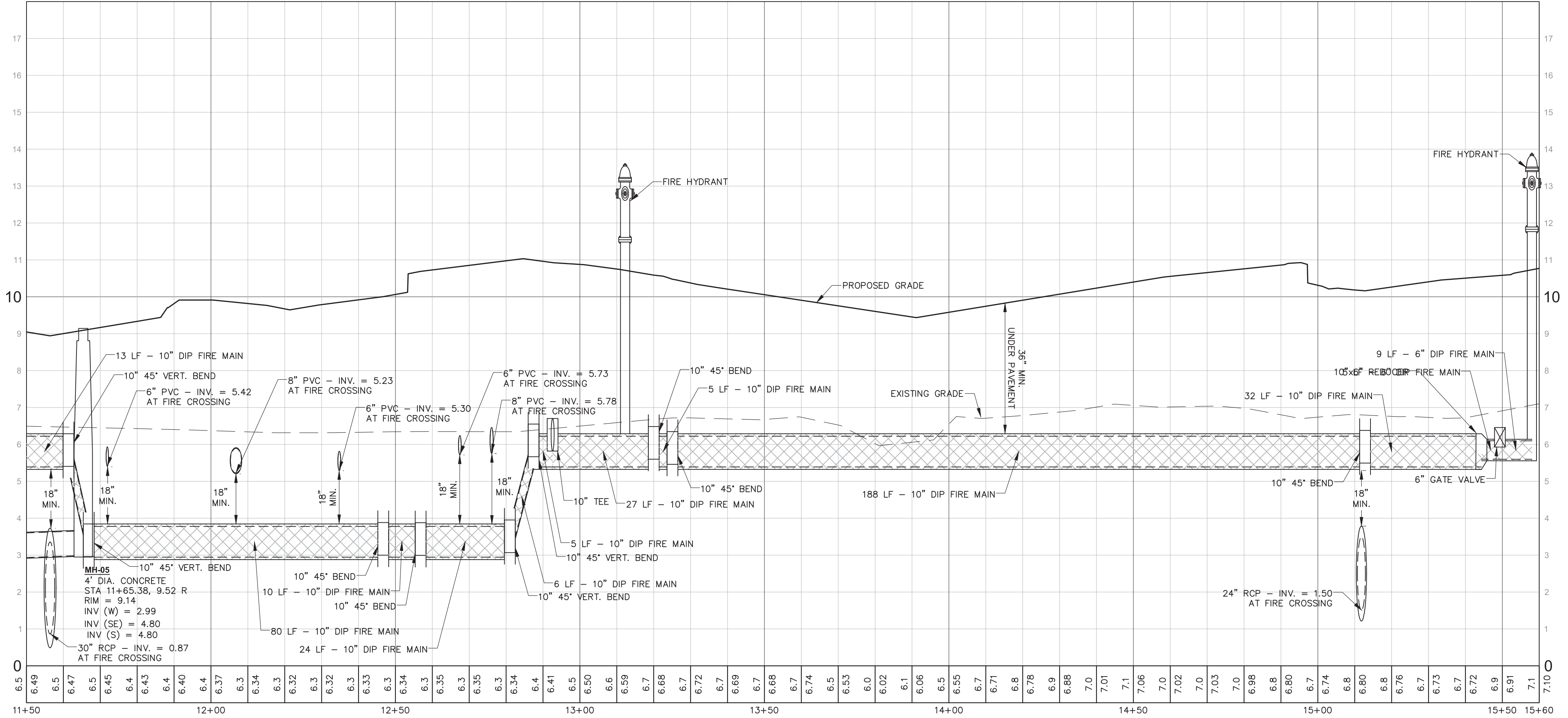
Profile View
Sta: 5+50 to Sta: 11+50
Hor. Scale: 1" = 20'
Vert. Scale: 1" = 2'





ALL WATER AND FIRE MAINS SHALL DEFLECT UNDER ALL DRAINAGE AND SANITARY SEWER CONFLICTS WITH A MINIMUM SEPARATION OF 18".

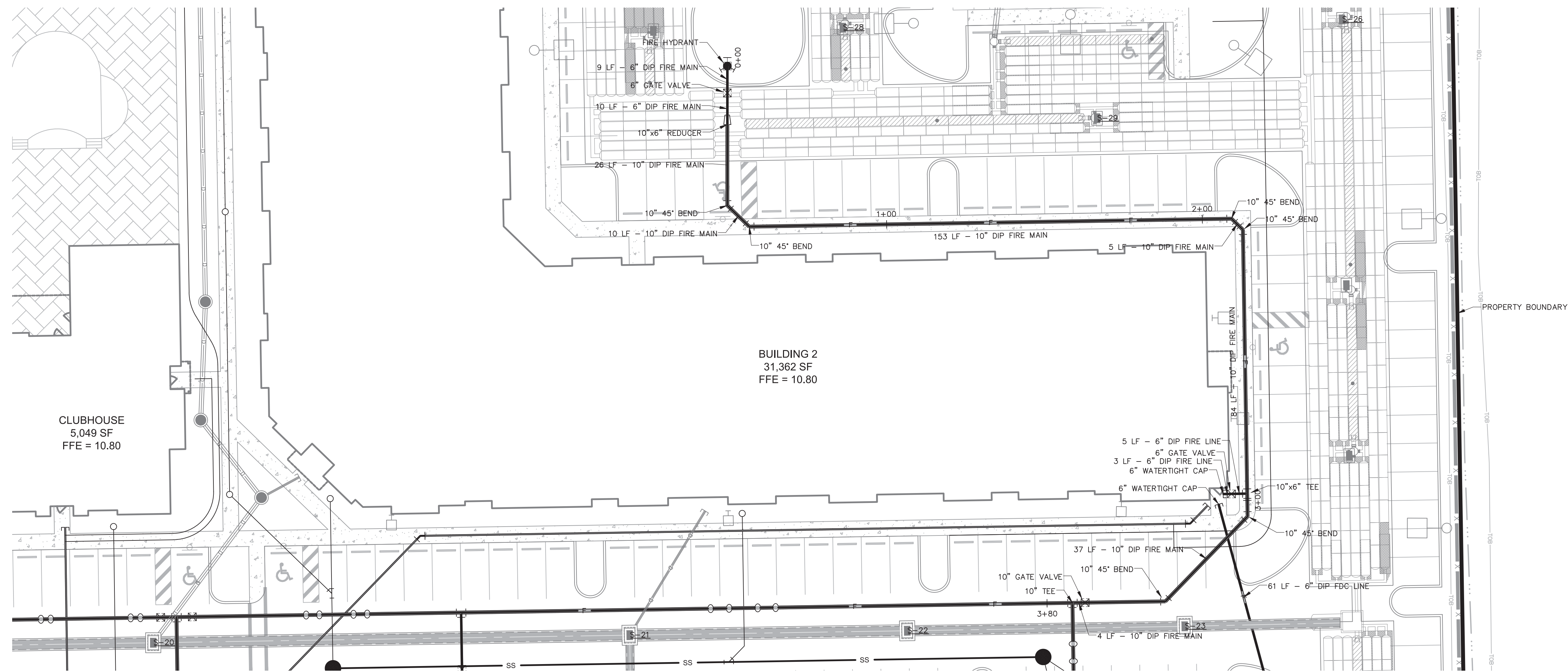
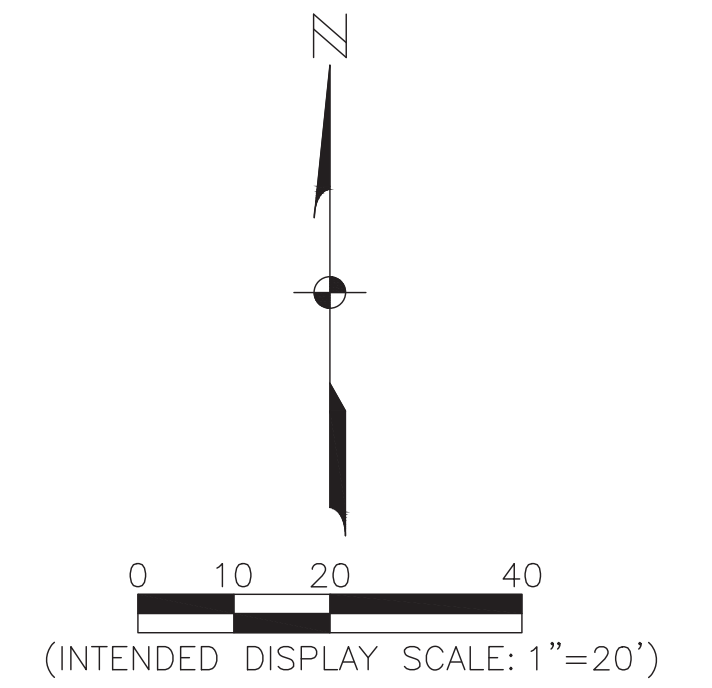
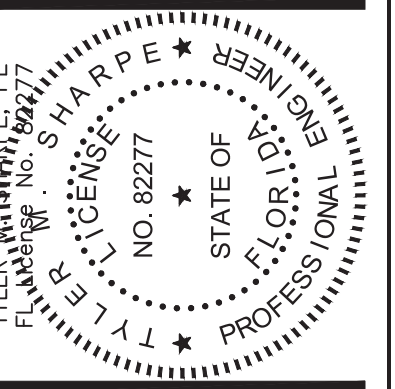
Profile View
Sta: 11+50 to Sta: 15+60
Hor. Scale: 1" = 20'
Vert. Scale: 1" = 2'



NO.	DATE	DESCRIPTION
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2	11/05/21	LEE COUNTY RAI #2

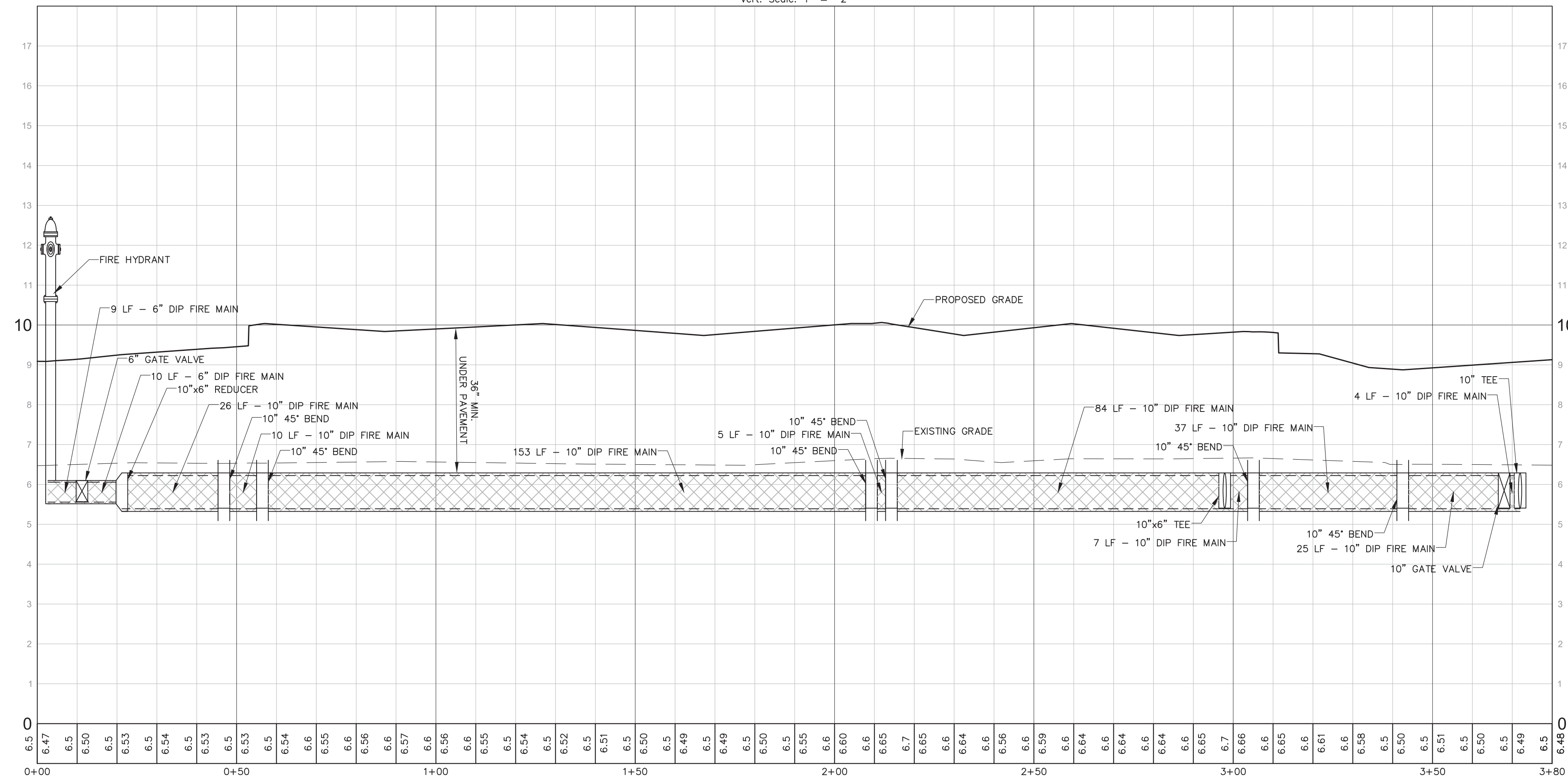
DATE: JUNE 2021
PROJECT NO. 20192125-000
FILE NO. 15-45-24
SCALE: 1" = 20'

\\fms01\Drawings\2019\20192125-000\Engineering\Drawings\DO\192125-000 P&P.dwg (Layout (5)) Ijc Mar 01, 2022 - 4:38pm



Profile View
Sta: 0+00 to Sta: 3+80

Hor. Scale: 1" = 20'
Vert. Scale: 1" = 2'



REVISIONS

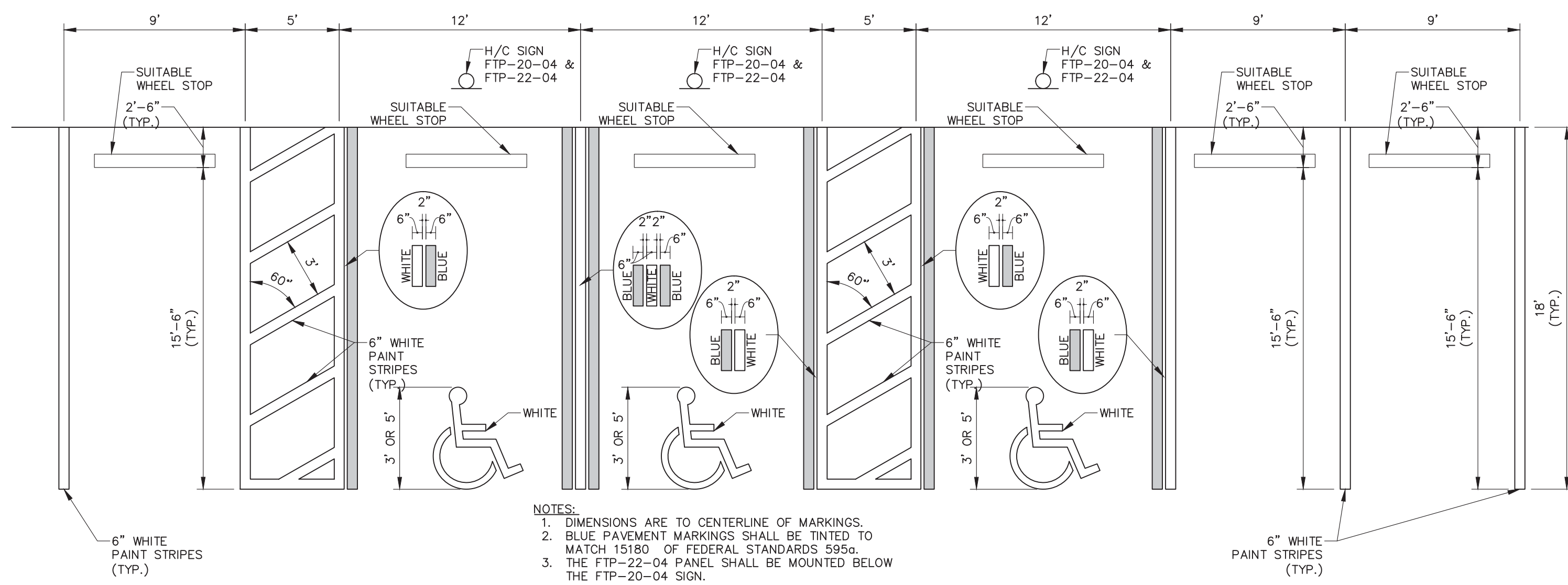
NO.	DATE	DESCRIPTION
1	07/28/21	LEE COUNTY RAI #1
2	11/05/21	LEE COUNTY RAI #2

DATE: JUNE 2021
PROJECT NO. 20192125-000
FILE NO. 15-45-24
SCALE: 1" = 20'

PLAN & PROFILE

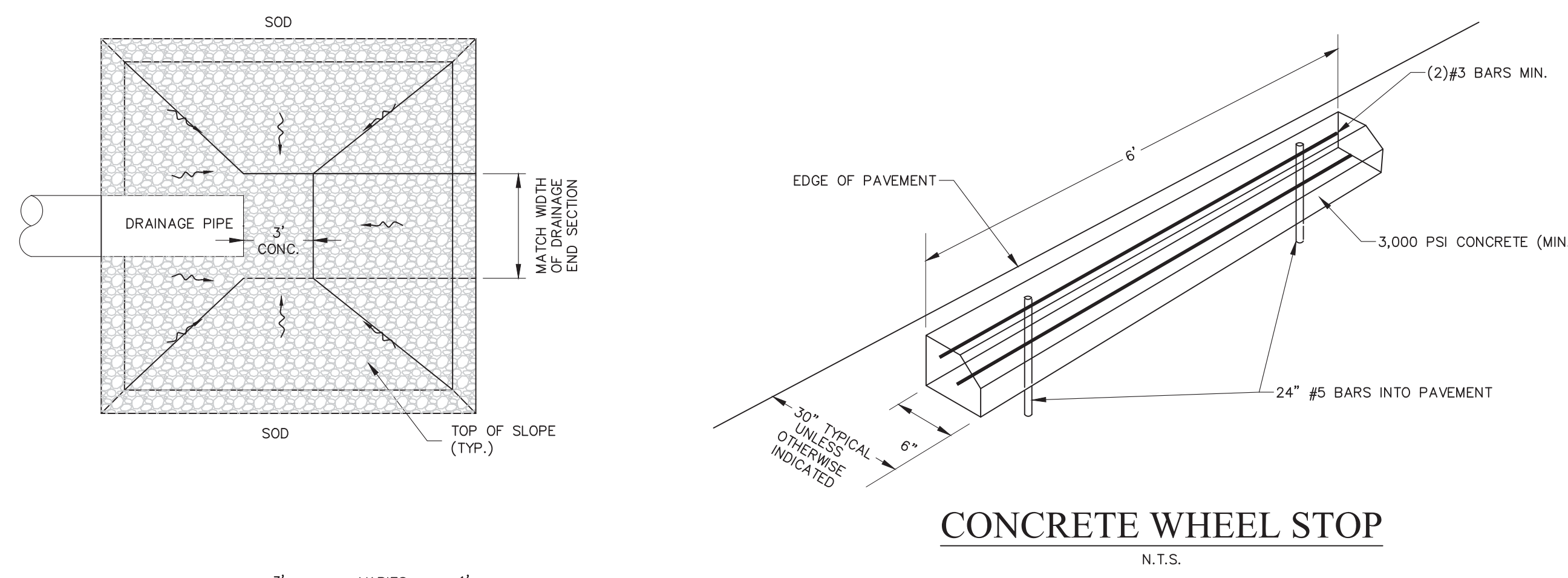
SHEET NUMBER

C21

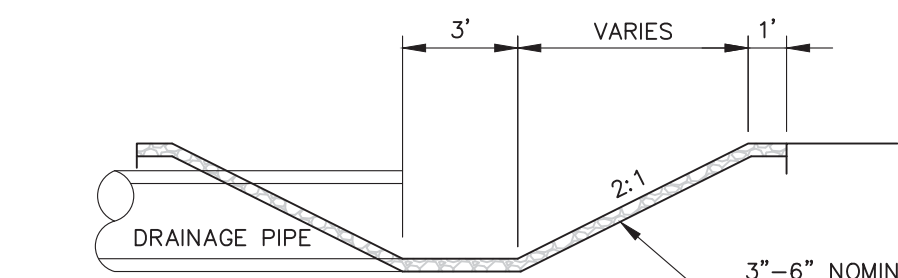


HANDICAP / STANDARD PARKING DETAIL

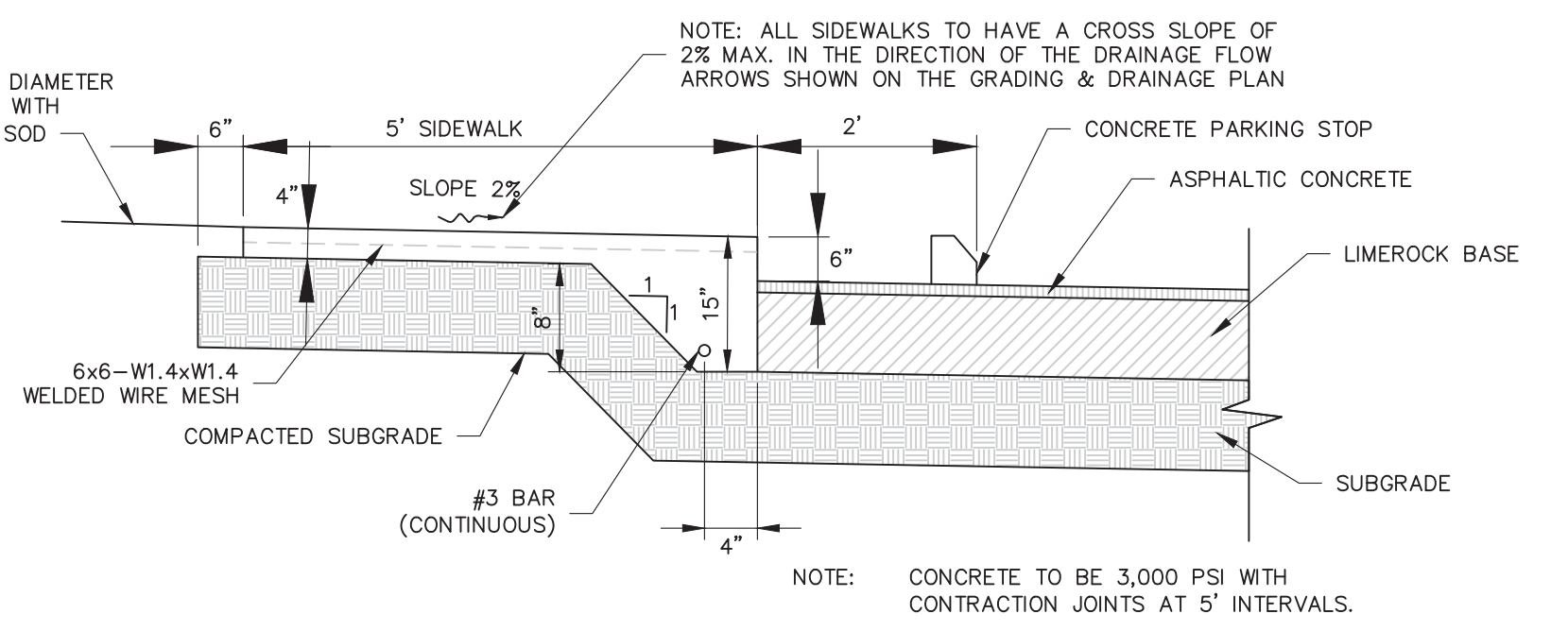
- NOTES:
 1. DIMENSIONS ARE TO CENTERLINE OF MARKINGS.
 2. BLUE PAVEMENT MARKINGS SHALL BE TINTED TO MATCH 15180 OF FEDERAL STANDARDS 595c.
 3. THE FTP-22-04 PANEL SHALL BE MOUNTED BELOW THE FTP-20-04 SIGN.



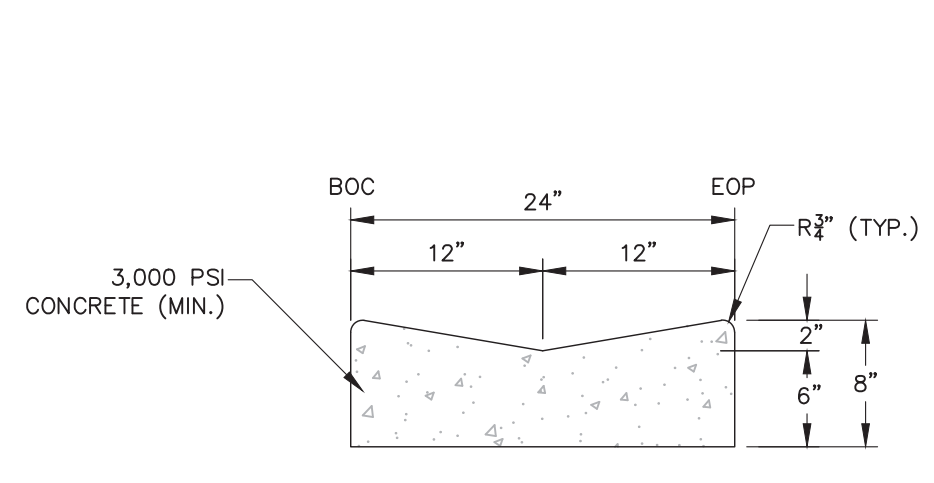
CONCRETE WHEEL STOP



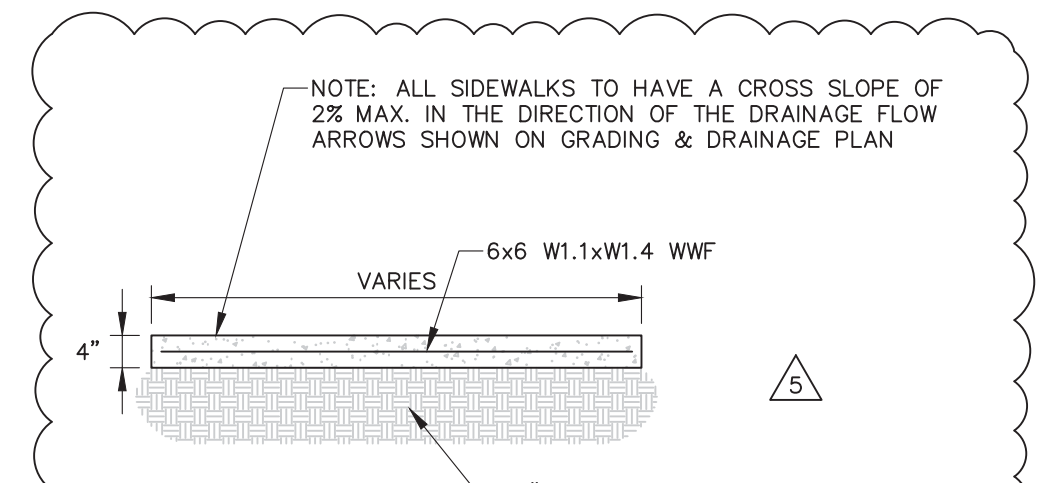
RIPRAP SUMP DETAIL



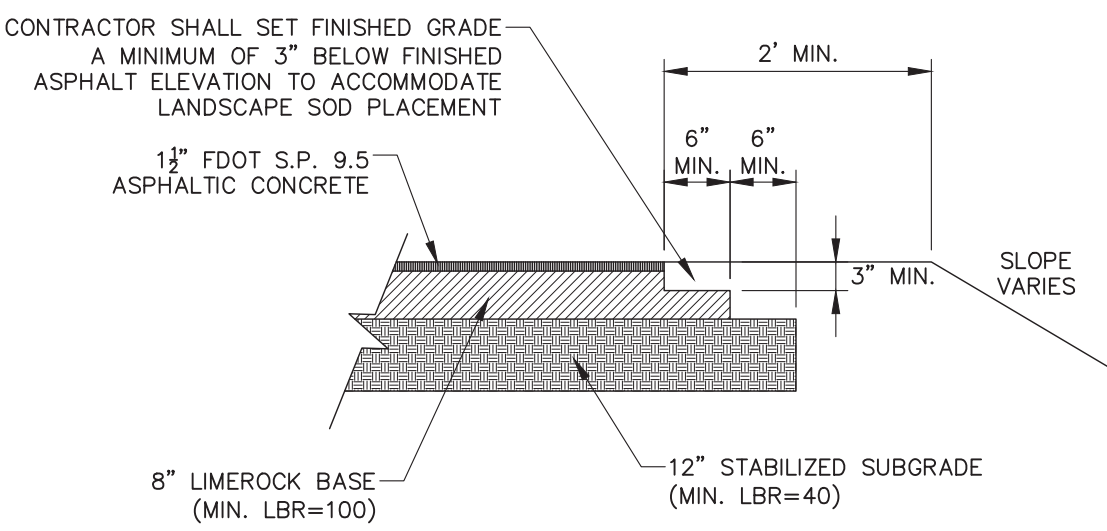
SIDEWALK DETAIL (WHEN ADJACENT TO PAVEMENT)



2' VALLEY GUTTER



SIDEWALK DETAIL



TYPICAL PAVEMENT SECTION

NP 3127 HT 3~ Adaptive 488
 Patented self-cleaning semi-open channel impeller. Ideal for pumping in waste water applications. Modular based design with high adaptation grade.

Technical specification

Curves according to: Water, pure, 39.2°F, 62.42 lb/ft³, 1.6891E-5 ft/s

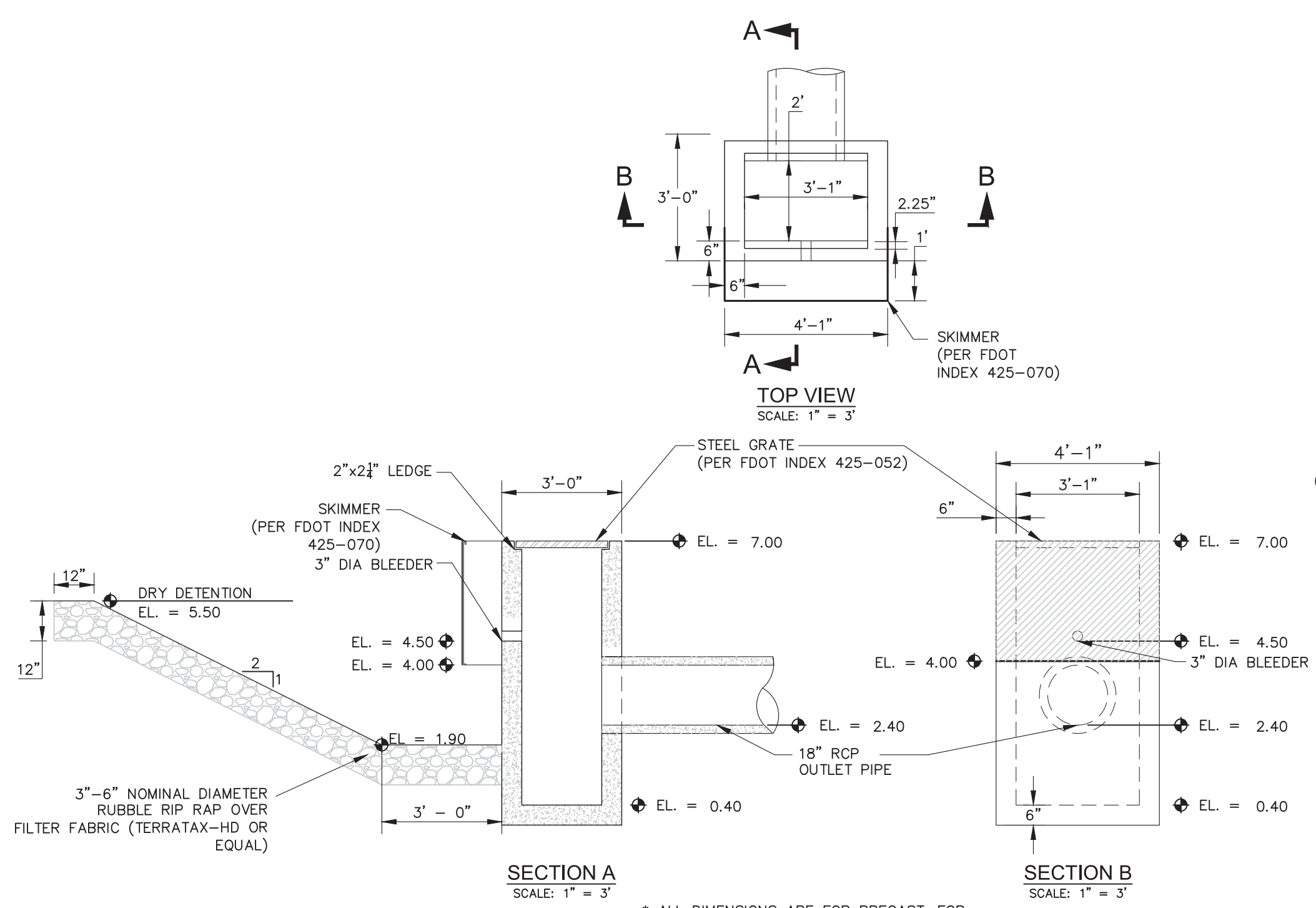
Configuration

Motor number: NP3127-06021-32-4AL-W 10hp
 Impeller diameter: 211 mm
 Discharge diameter: 3/16 inch
 Inlet diameter: 500 mm
 Maximum operating speed: 1745 rpm
 Number of blades: 2

Installation type: P - Semi permanent, Wet

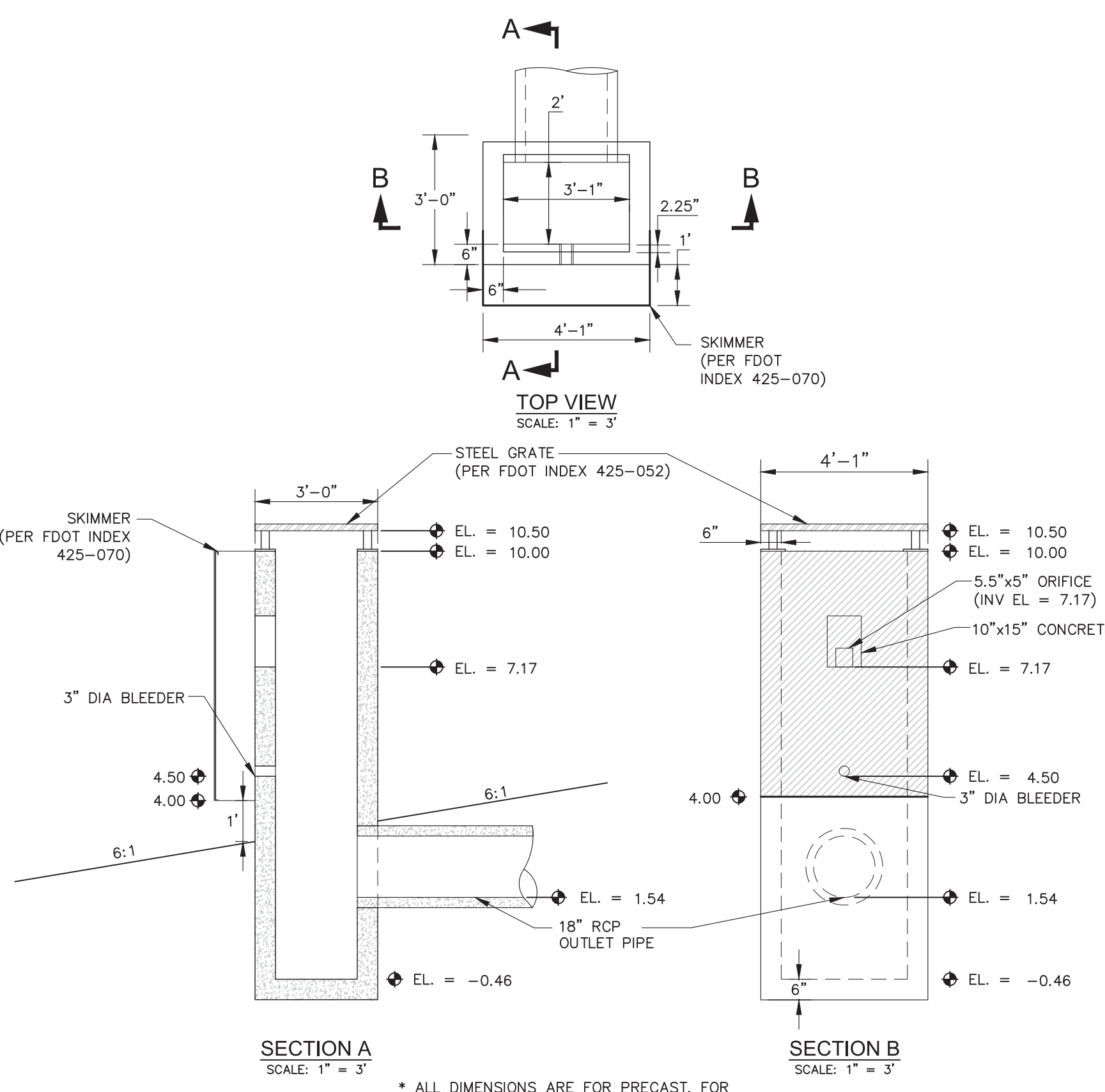
Materials: Impeller: Hard Alloy™, Motor housing material: Grey cast iron

Project: _____ Created by: Chris Stewart
 Block: _____ Created on: 10/5/2021 Last update: 10/5/2021



MODIFIED FDOT TYPE "C" INLET

CS-02
 SCALE: 1" = 3'



MODIFIED FDOT TYPE "C" INLET

CS-01
 SCALE: 1" = 3'

JOHNSON ENGINEERING
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET
 FORT MYERS, FLORIDA 33901
 PHONE: (239) 334-0046
 FAX: (239) 334-3661
 E.B. #642 & L.B. #642

TYLER M. SHAW, PE
 LICENSE NO. 68947
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

ZIMMER DEVELOPMENT COMPANY

**INSPIRATION AT SOUTH POINTE
 LEE COUNTY, FLORIDA**

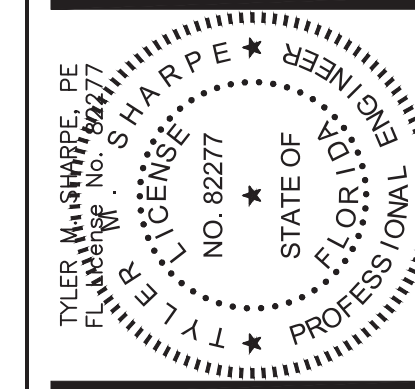
NO.	DATE	DESCRIPTION
1	07/28/21	LEE COUNTY RAI #1
2	08/09/21	ERP DETAIL CLARIFICATION
3	11/05/21	LEE COUNTY RAI #2
4	01/13/22	SFWM RAI #1
5	03/01/22	LEE COUNTY RAI #3

DATE: JUNE 2021
 PROJECT NO. 20192125-000
 FILE NO. 15-45-24
 SCALE: AS SHOWN

TYPICAL SECTIONS & DETAILS

SHEET NUMBER

C22



ZIMMER DEVELOPMENT COMPANY

INSPIRATION AT SOUTH POINTE
LEE COUNTY, FLORIDA

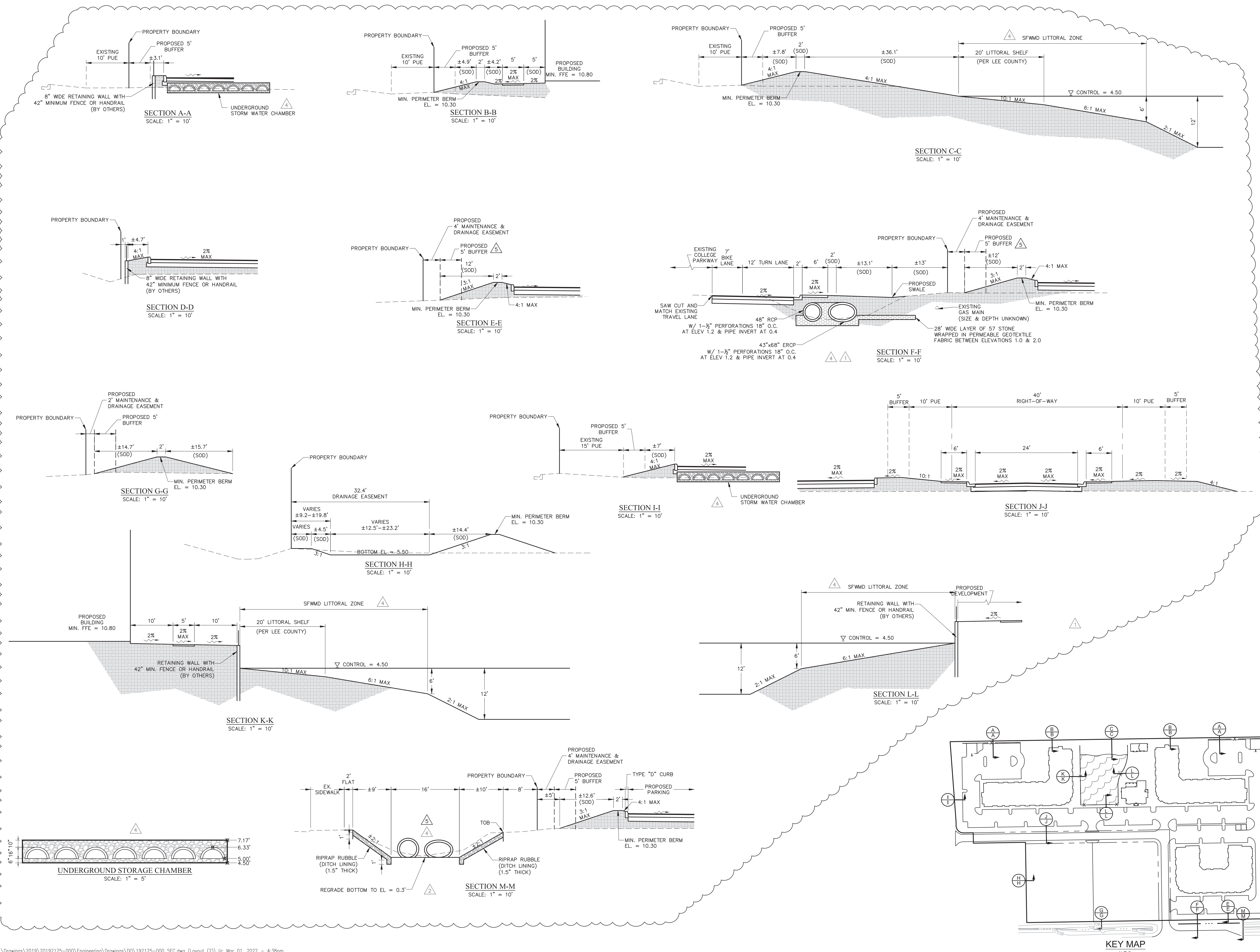
NO.	DATE	DESCRIPTION
1	07/28/21	LEE COUNTY RAI #1
2	09/09/21	ERP DETAILS CLARIFICATION
3	11/05/21	LEE COUNTY RAI #2
4	01/13/22	SFWM RAI #1
5	03/01/22	LEE COUNTY RAI #3

DATE: JUNE 2021
PROJECT NO. 20192125-000
FILE NO. 15-45-24
SCALE: AS SHOWN

TYPICAL SECTIONS & DETAILS

SHEET NUMBER

C23





NO.	DATE	DESCRIPTION
1	07/28/21	LEE COUNTY RAI #1
2	01/13/22	SPAWD RAI #1
3	03/07/22	LEE COUNTY RAI #3

DATE: JUNE 2021
PROJECT NO. 2019125-000
FILE NO. 15-45-24
SCALE: AS SHOWN

PROJECT INFORMATION	
ENGINEERED BY:	KARL GUTMANN
PRODUCT MANAGER:	239-994-6479 KARL.GUTMANN@ADSP.COM
ADS SALES REP:	RICK PFAFFENDORF
PROJECT NO.:	813-727-2545 RICK.PFAFFENDORF@ADSP.COM
	5233736



**GOAT FARM APARTMENTS (INSPIRATION AT SOUTH POINTE)
FORT MYERS, FL**

SC-310 STORMTECH CHAMBER SPECIFICATIONS

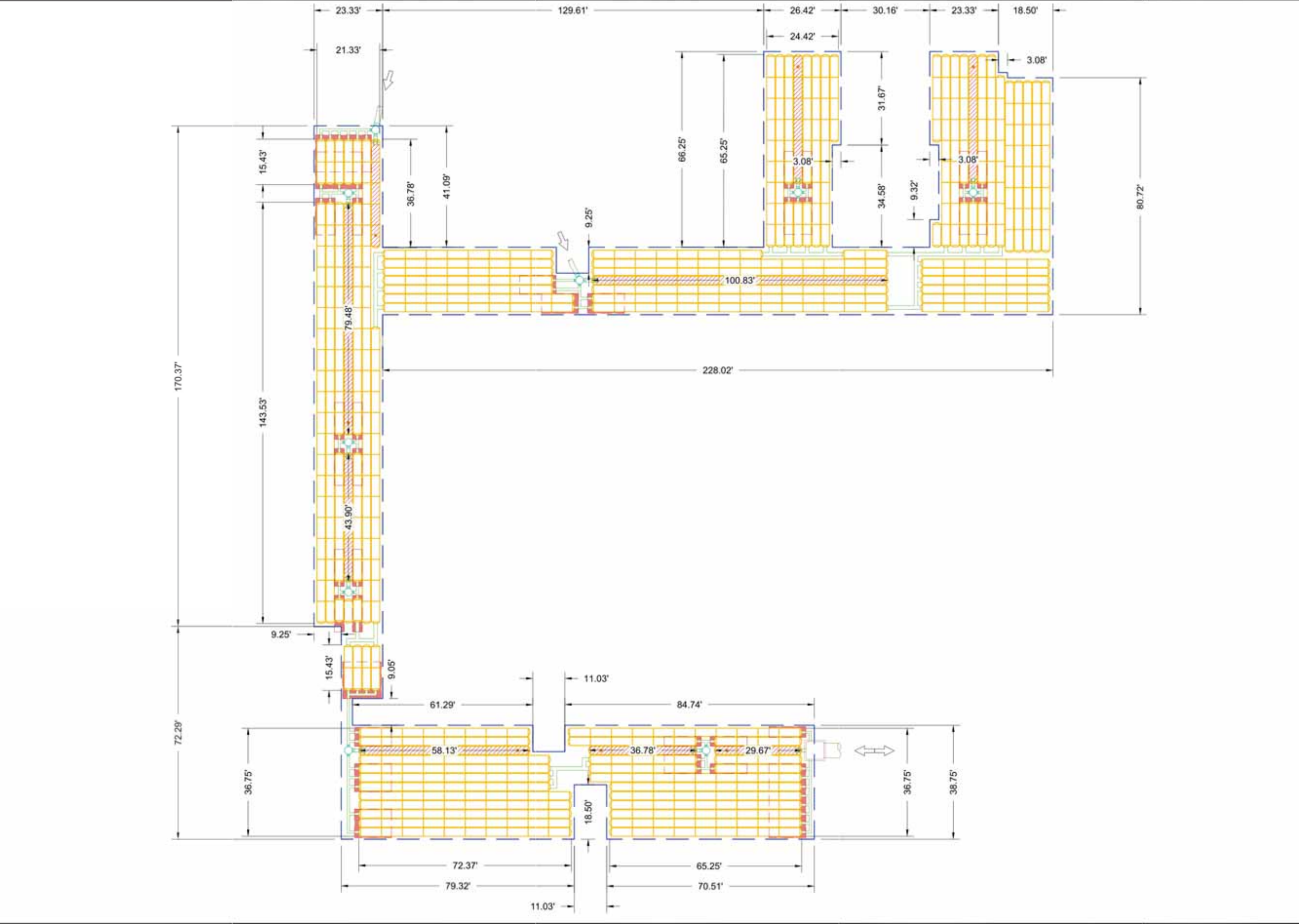
- CHAMBERS SHALL BE STORMTECH SC-310.
- CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE OR POLYETHYLENE COPOLYMERS.
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE) OR ASTM F2418-16a (POLYPROPYLENE), "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
- THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
- CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (+1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK), AASHTO DESIGN TRUCK.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LOGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2922 SHALL BE GREATER THAN OR EQUAL TO 400 LBS/IN. AND 5) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
- ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
 - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
 - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
 - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2922 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
- CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-310 SYSTEM

- STORMTECH SC-310 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
- STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
- CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
 - STONE SHOOTER LOCATED OFF THE CHAMBER BED.
 - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
 - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
- THE FOUNDATION STONE SHALL BE LEVELLED AND COMPACTED PRIOR TO PLACING CHAMBERS.
- JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
- MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
- EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAR, CRUSHED, ANGULAR STONE 3/4" (20-50 mm).
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
- ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

- STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
 - THE USE OF CONSTRUCTION EQUIPMENT OVER SC-310 & SC-740 CHAMBERS IS LIMITED:
 - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
 - NO RUBBER Tired LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
 - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
 - FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.
- USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.**
- CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.



GOAT FARM APARTMENTS (INSPIRATION AT SOUTH POINTE)
FORT MYERS, FL
DATE: 04/20/21 DRAWN: SLV
PROJECT #: 5233736 CHECKED: JAL

StormTech Chamber System
4640 TRUHEMAN BLVD HILLIAND, OH 43026
888-892-2694 WWW.STORMTECH.COM

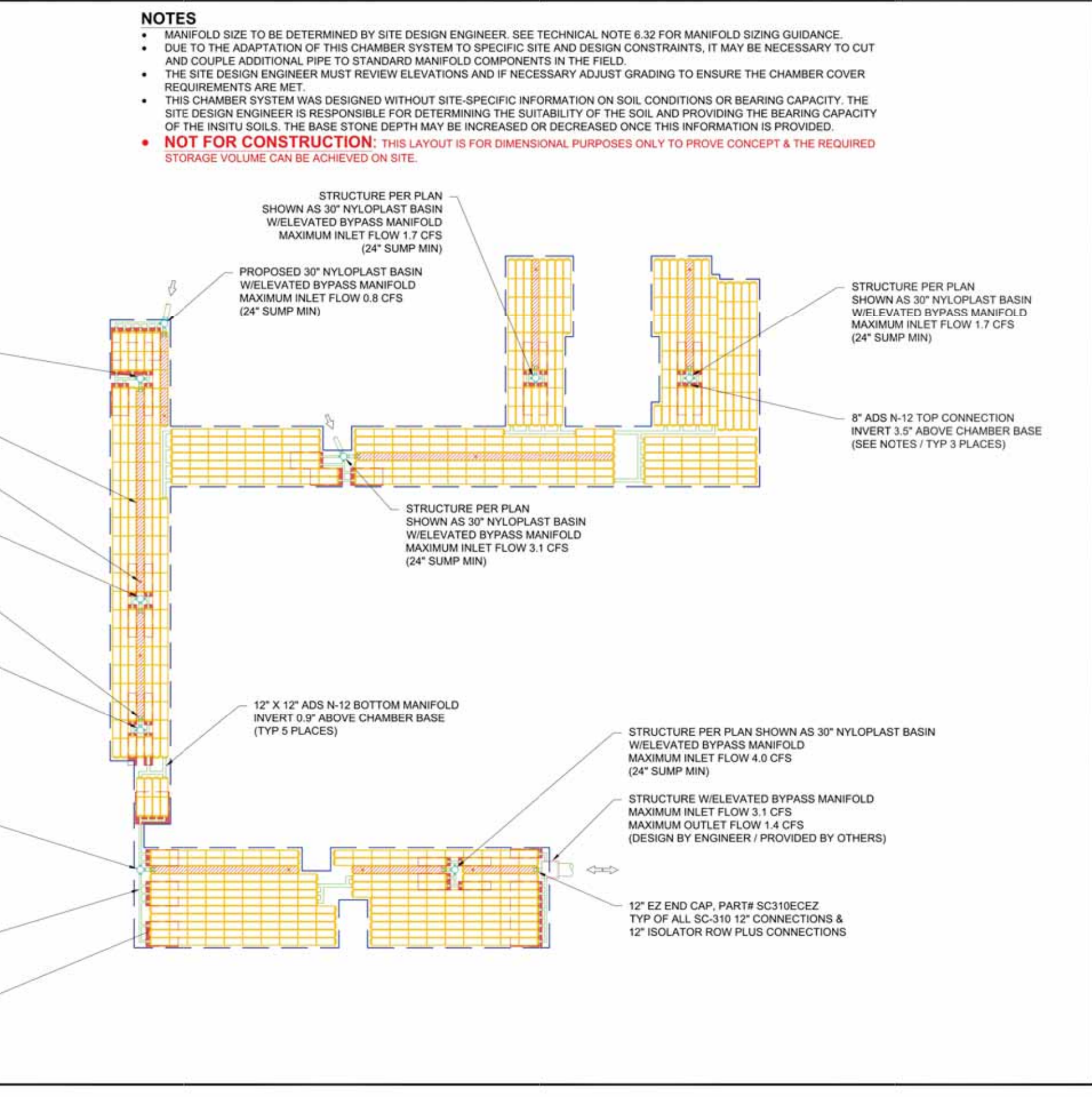
ADS
3 OF 8

CONCEPTUAL LAYOUT: WEST BED

132	STORMTECH SC-310-3 CHAMBERS
200	STORMTECH SC-310 END CAPS
10	STONE ABOVE (in)
6	STONE BELOW (in)
40	% STONE VOID
27477	INSTALLED SYSTEM VOLUME (CF) (PERIMETER STONE INCLUDED)
19662	SYSTEM AREA (ft²)
1653	SYSTEM PERIMETER (ft)

CONCEPTUAL ELEVATIONS: WEST BED

14.33	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED)
8.33	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC)
7.83	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC)
7.83	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT)
7.83	MINIMUM ALLOWABLE GRADE (TOP OF RIGID PAVEMENT)
7.16	TOP OF STONE
6.33	TOP OF SC-310 CHAMBER
5.29	8" TOP MANIFOLD / CONNECTION INVERT
5.08	12" ISOLATOR ROW PLUS CONNECTION INVERT
5.08	12" BOTTOM MANIFOLD / CONNECTION INVERT
5.00	BOTTOM OF SC-310 CHAMBER
4.50	BOTTOM OF STONE



- NOTES**
- MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECHNICAL NOTE 6.32 FOR MANIFOLD SIZING GUIDANCE.
 - DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
 - THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
 - THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL AND PROVIDING THE BEARING CAPACITY OF THE INSTALLED SOILS. THE BASE STONE DEPTH MAY BE INCREASED OR DECREASED ONCE THIS INFORMATION IS PROVIDED.
 - NOT FOR CONSTRUCTION:** THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.

GOAT FARM APARTMENTS (INSPIRATION AT SOUTH POINTE)
FORT MYERS, FL
DATE: 04/20/21 DRAWN: SLV
PROJECT #: 5233736 CHECKED: JAL

StormTech Chamber System
4640 TRUHEMAN BLVD HILLIAND, OH 43026
888-892-2694 WWW.STORMTECH.COM

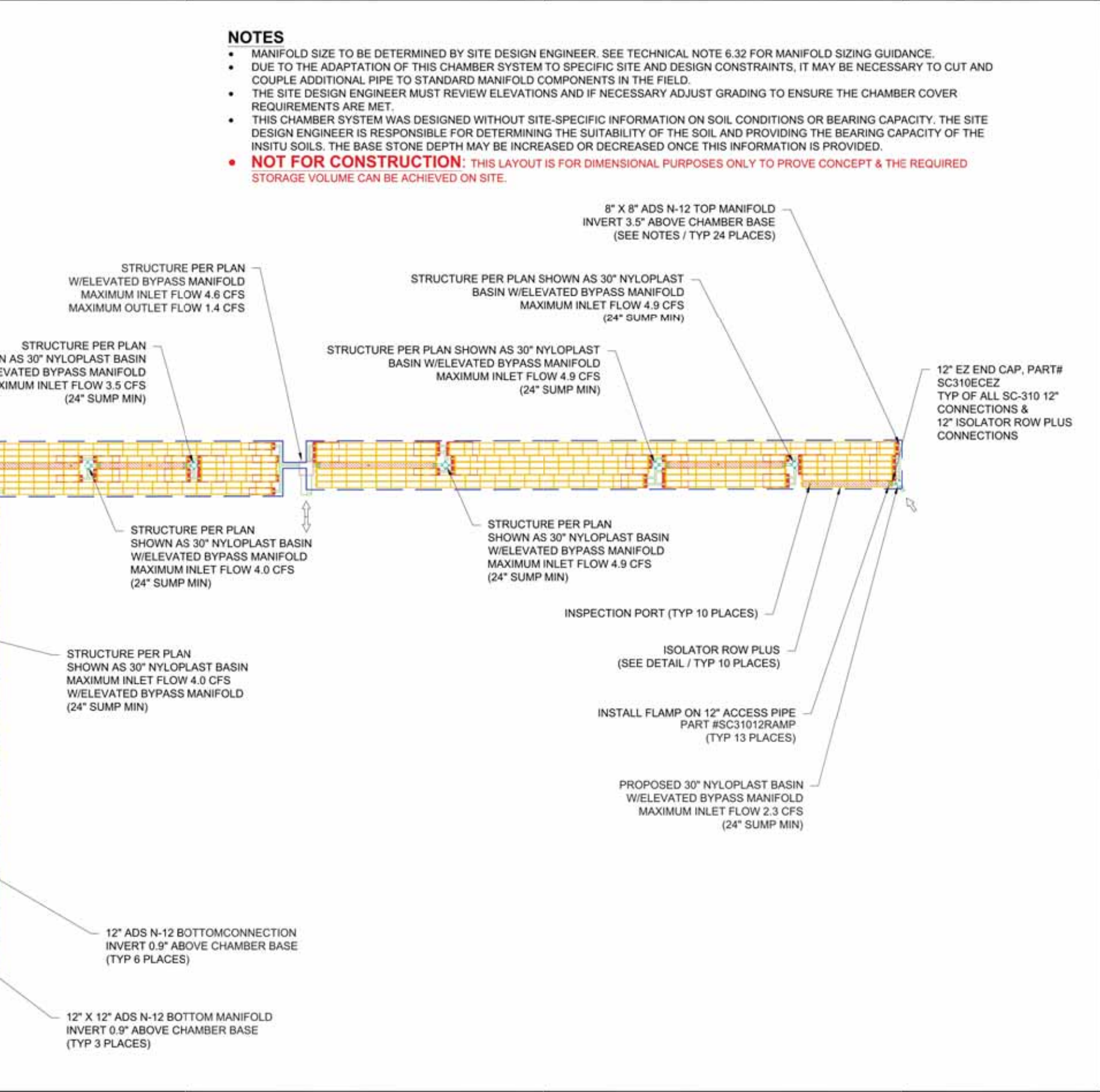
ADS
2 OF 8

CONCEPTUAL LAYOUT: EAST BED

187	STORMTECH SC-310-3 CHAMBERS
188	STORMTECH SC-310 END CAPS
10	STONE ABOVE (in)
6	STONE BELOW (in)
40	% STONE VOID
29932	INSTALLED SYSTEM VOLUME (CF) (PERIMETER STONE INCLUDED)
20927	SYSTEM AREA (ft²)
1771	SYSTEM PERIMETER (ft)

CONCEPTUAL ELEVATIONS: EAST BED

14.33	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED)
8.33	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC)
7.83	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC)
7.83	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT)
7.83	MINIMUM ALLOWABLE GRADE (TOP OF RIGID PAVEMENT)
7.16	TOP OF STONE
6.33	TOP OF SC-310 CHAMBER
5.29	8" TOP MANIFOLD / CONNECTION INVERT
5.08	12" ISOLATOR ROW PLUS CONNECTION INVERT
5.08	12" BOTTOM MANIFOLD / CONNECTION INVERT
5.00	BOTTOM OF SC-310 CHAMBER
4.50	BOTTOM OF STONE

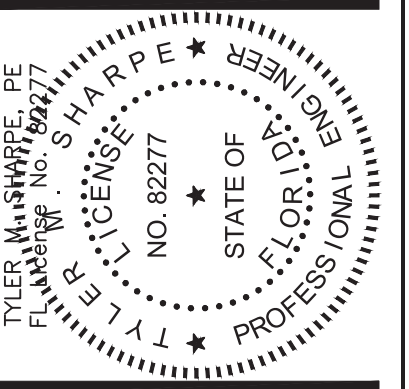


- NOTES**
- MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECHNICAL NOTE 6.32 FOR MANIFOLD SIZING GUIDANCE.
 - DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
 - THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
 - THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL AND PROVIDING THE BEARING CAPACITY OF THE INSTALLED SOILS. THE BASE STONE DEPTH MAY BE INCREASED OR DECREASED ONCE THIS INFORMATION IS PROVIDED.
 - NOT FOR CONSTRUCTION:** THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.

GOAT FARM APARTMENTS (INSPIRATION AT SOUTH POINTE)
FORT MYERS, FL
DATE: 04/20/21 DRAWN: SLV
PROJECT #: 5233736 CHECKED: JAL

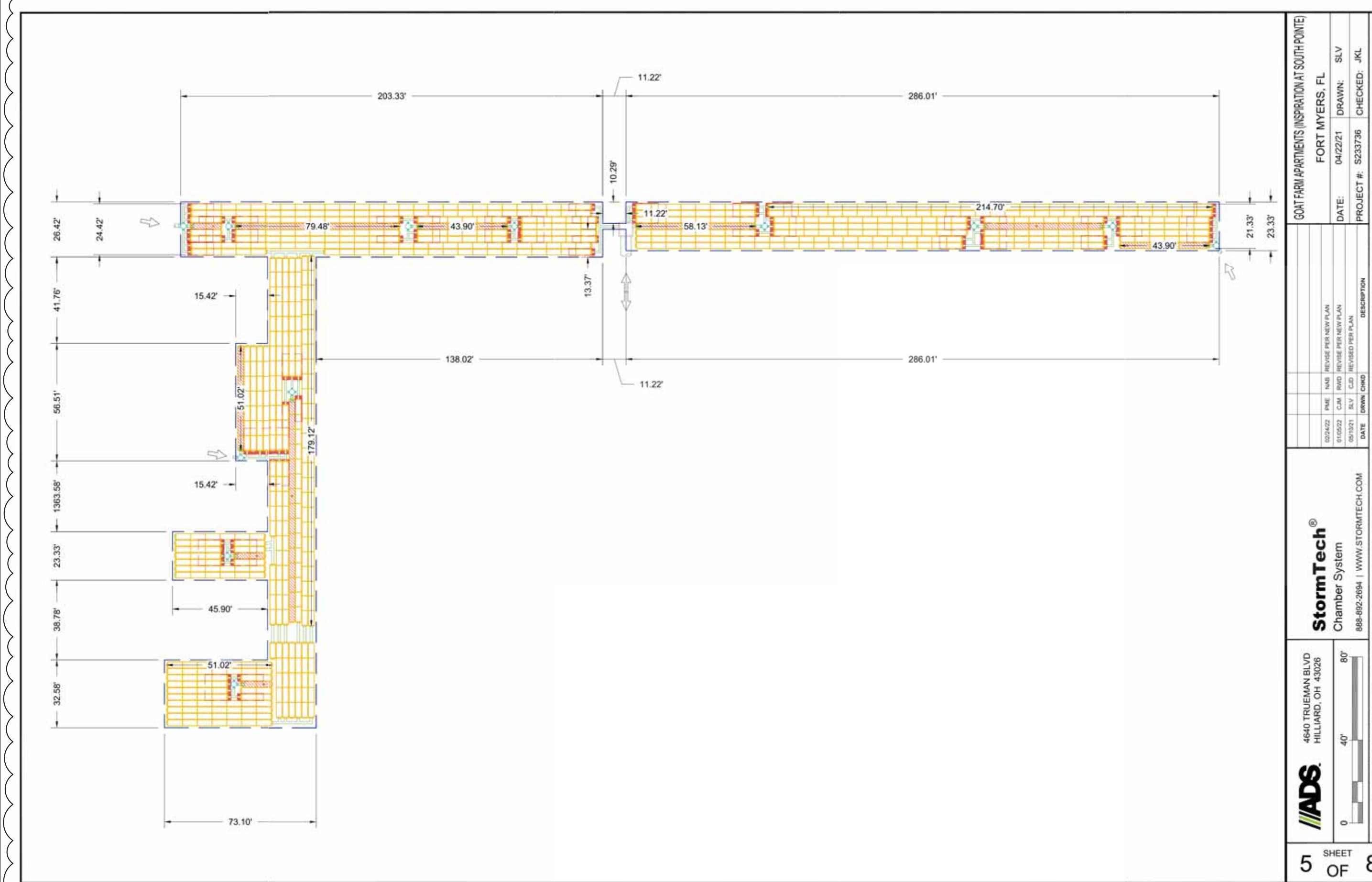
StormTech Chamber System
4640 TRUHEMAN BLVD HILLIAND, OH 43026
888-892-2694 WWW.STORMTECH.COM

ADS
4 OF 8



NO.	DATE	DESCRIPTION
1	07/28/21	LEE COUNTY RAI #1
2	01/13/22	SP/WD RAI #1
3	03/01/22	LEE COUNTY RAI #3

DATE: JUNE 2021
PROJECT NO. 2019125-000
FILE NO. 15-45-24
SCALE: AS SHOWN



StormTech Chamber System
4640 TRUHAN BLVD
HELLAND, OR 97038
888-892-2894 | WWW.STORMTECH.COM

DATE: 04/22/21
DRAWN: SLV
CHECKED: JAL
PROJECT #: 232736

SHEET 5 OF 8

ACCEPTABLE FILL MATERIALS: STORMTECH SC-310 CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 12" (300 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	AASHTO M145 ¹ A-1, A-2.4, A-3 OR AASHTO M43 ² 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M43 ² 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43 ² 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{1,2}

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

NOTES:
1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE) OR ASTM F2416-16a (POLYPROPYLENE). "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. SC-310 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
• TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
• TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
• TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2922 SHALL BE GREATER THAN OR EQUAL TO 400 LBS/IN² AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

SC-310 ISOLATOR ROW PLUS DETAIL

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
A. INSPECTION PORTS (IF PRESENT)
A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
A.3. USING A FLASHLIGHT AND STADIUM ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
A.5. IF SEDIMENT IS AT OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
B. ALL ISOLATOR PLUS ROWS
B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
B.3. IF SEDIMENT IS AT OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
C. VACUUM STRUCTURE SUMP AS REQUIRED
STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.
STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES
1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACUUMING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

4" PVC INSPECTION PORT DETAIL (SC SERIES CHAMBER)

StormTech Chamber System
4640 TRUHAN BLVD
HELLAND, OR 97038
888-892-2894 | WWW.STORMTECH.COM

DATE: 04/22/21
DRAWN: SLV
CHECKED: JAL
PROJECT #: 232736

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SC-310 TECHNICAL SPECIFICATION

NTS

NYLOPLAST DRAIN BASIN
NTS

NOMINAL CHAMBER SPECIFICATIONS
SIZE (W X H X INSTALLED LENGTH) 34.0" X 16.0" X 85.4" (864 mm X 406 mm X 2169 mm)
CHAMBER STORAGE 14.7 CUBIC FEET (0.42 m³)
MINIMUM INSTALLED STORAGE* 35.0 lbs. (16.8 kg)

*ASSUMES 6" (152 mm) ABOVE, BELOW, AND BETWEEN CHAMBERS

PRE-FAB STUB AT BOTTOM OF END CAP WITH FLAMP END WITH "B"
PRE-FAB STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
PRE-FAB STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
PRE-CORED END CAPS END WITH "PC"

PART #	STUB	A	B	C
SC310EP0E1 / SC310EP0E1PC	6" (150 mm)	9.6" (244 mm)	5.8" (147 mm)	—
SC310EP0E9 / SC310EP0E9PC	10"	—	—	0.5" (13 mm)
SC310EP0E7 / SC310EP0E7PC	8" (200 mm)	11.9" (302 mm)	3.5" (89 mm)	—
SC310EP0E8 / SC310EP0E8PC	—	—	1.4" (36 mm)	0.6" (16 mm)
SC310EP0E10 / SC310EP0E10PC	10" (250 mm)	12.7" (323 mm)	—	0.7" (18 mm)
SC310EP0E12B	12" (300 mm)	13.5" (343 mm)	—	0.9" (23 mm)
SC310EP0E12B	12" (300 mm)	13.5" (343 mm)	—	0.9" (23 mm)

ALL STUBS, EXCEPT FOR THE SC310EP0E12B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2894.
*FOR THE SC310EP0E12B THE 12" (300 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 0.25" (6 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE 12" STUB SO THAT THE FITTING SITS LEVEL.
NOTE: ALL DIMENSIONS ARE NOMINAL.

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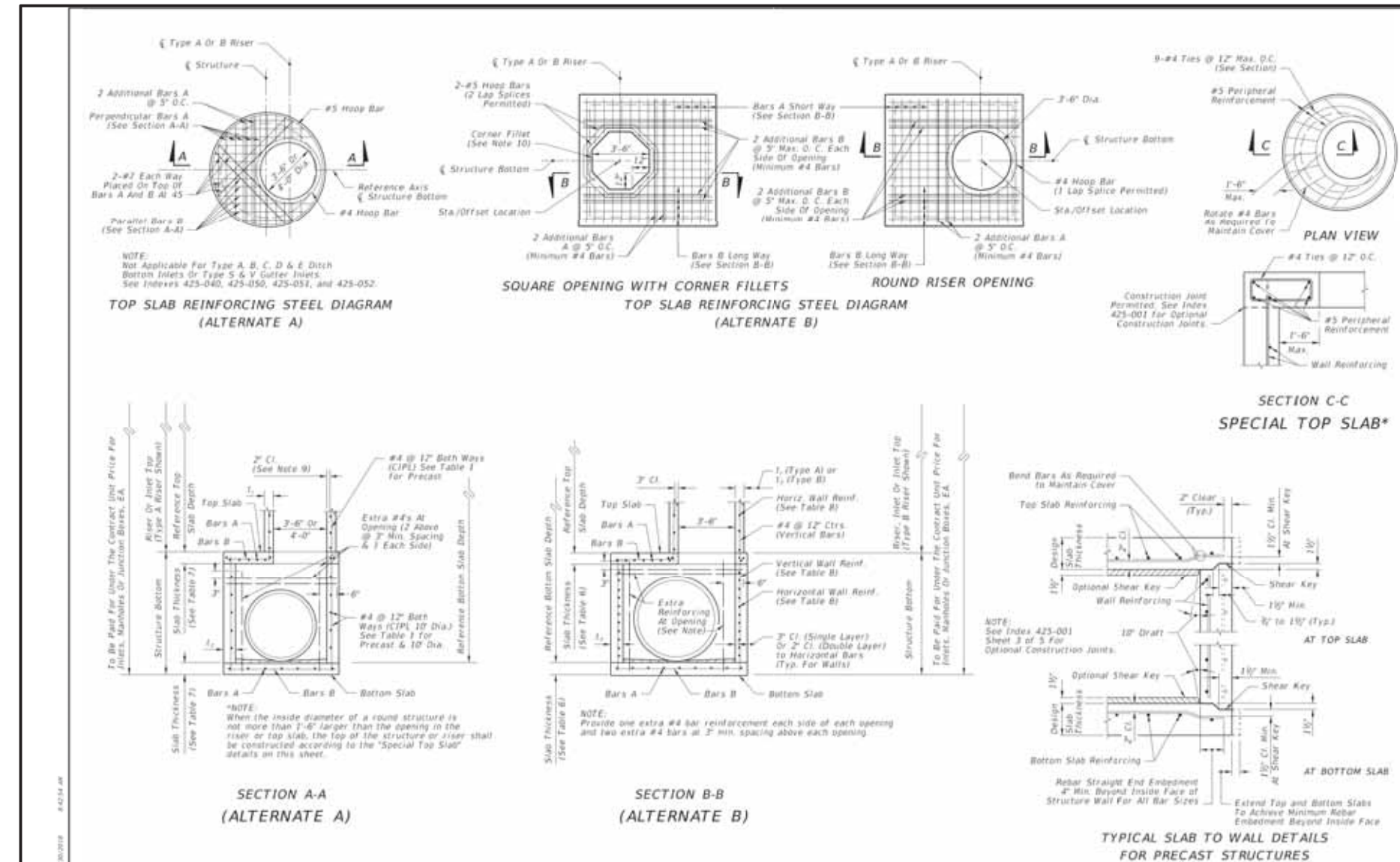
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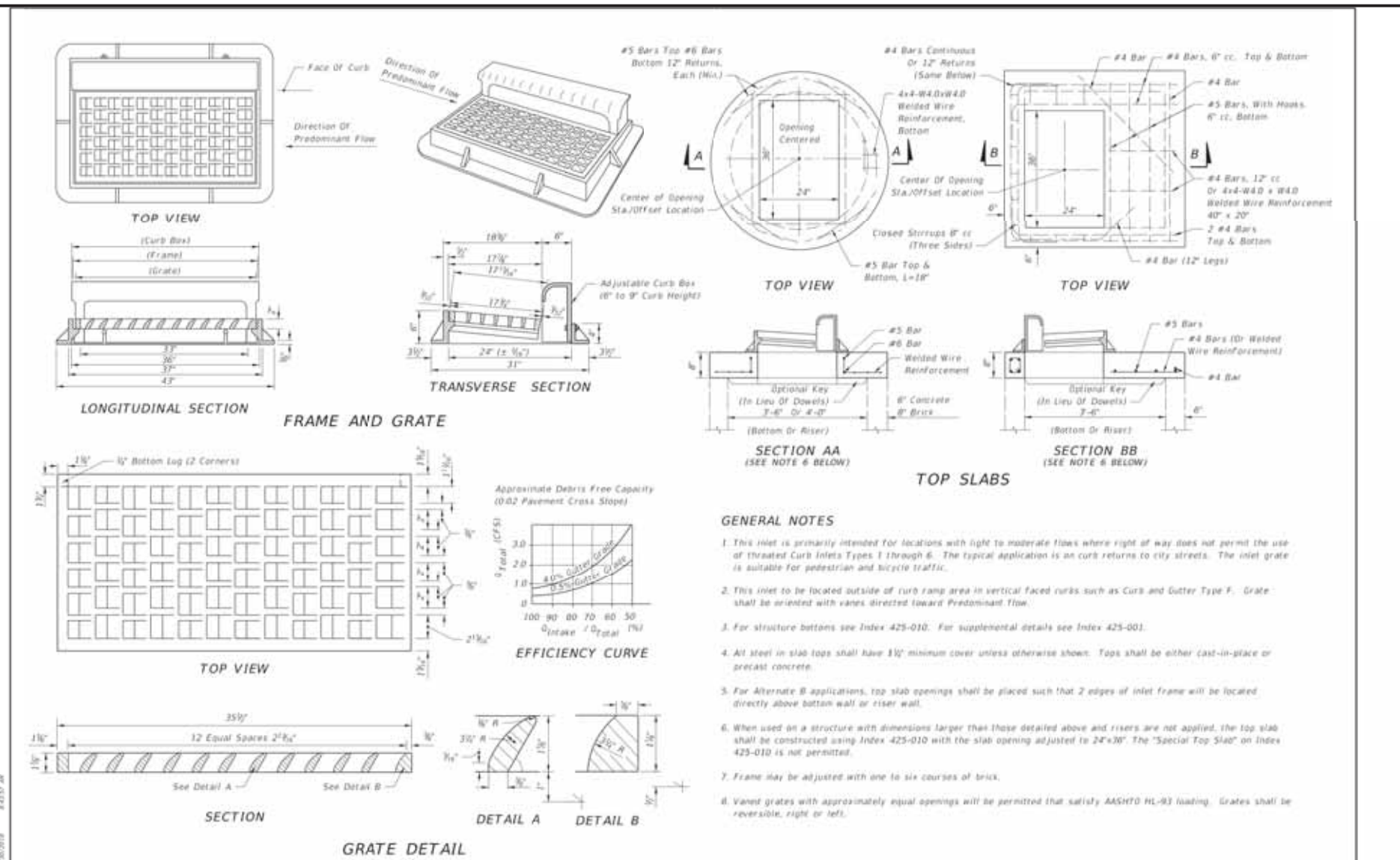


NO.	REVISIONS	DESCRIPTION	DATE

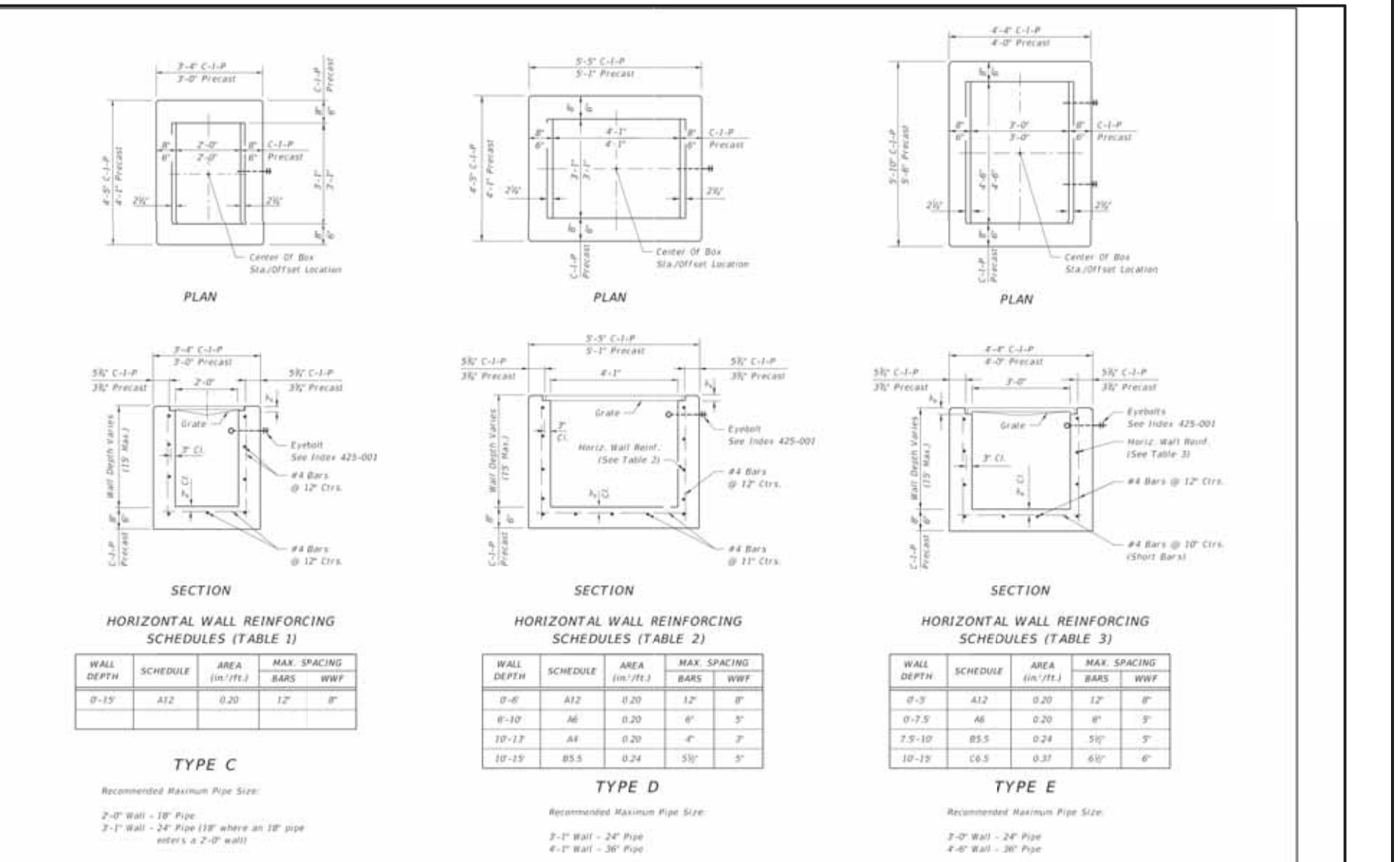
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FILE NO. 15-45-24
SCALE: AS SHOWN



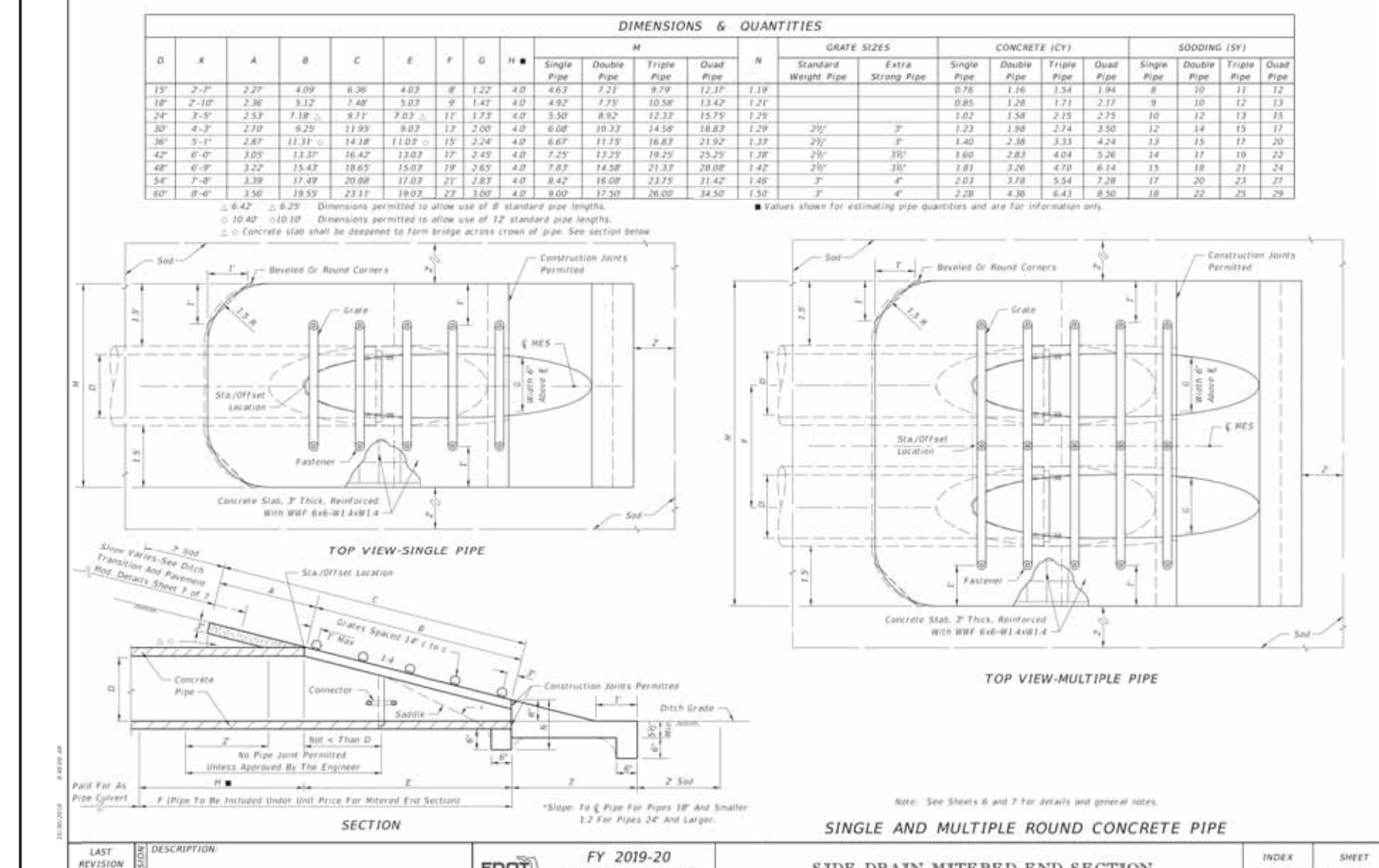
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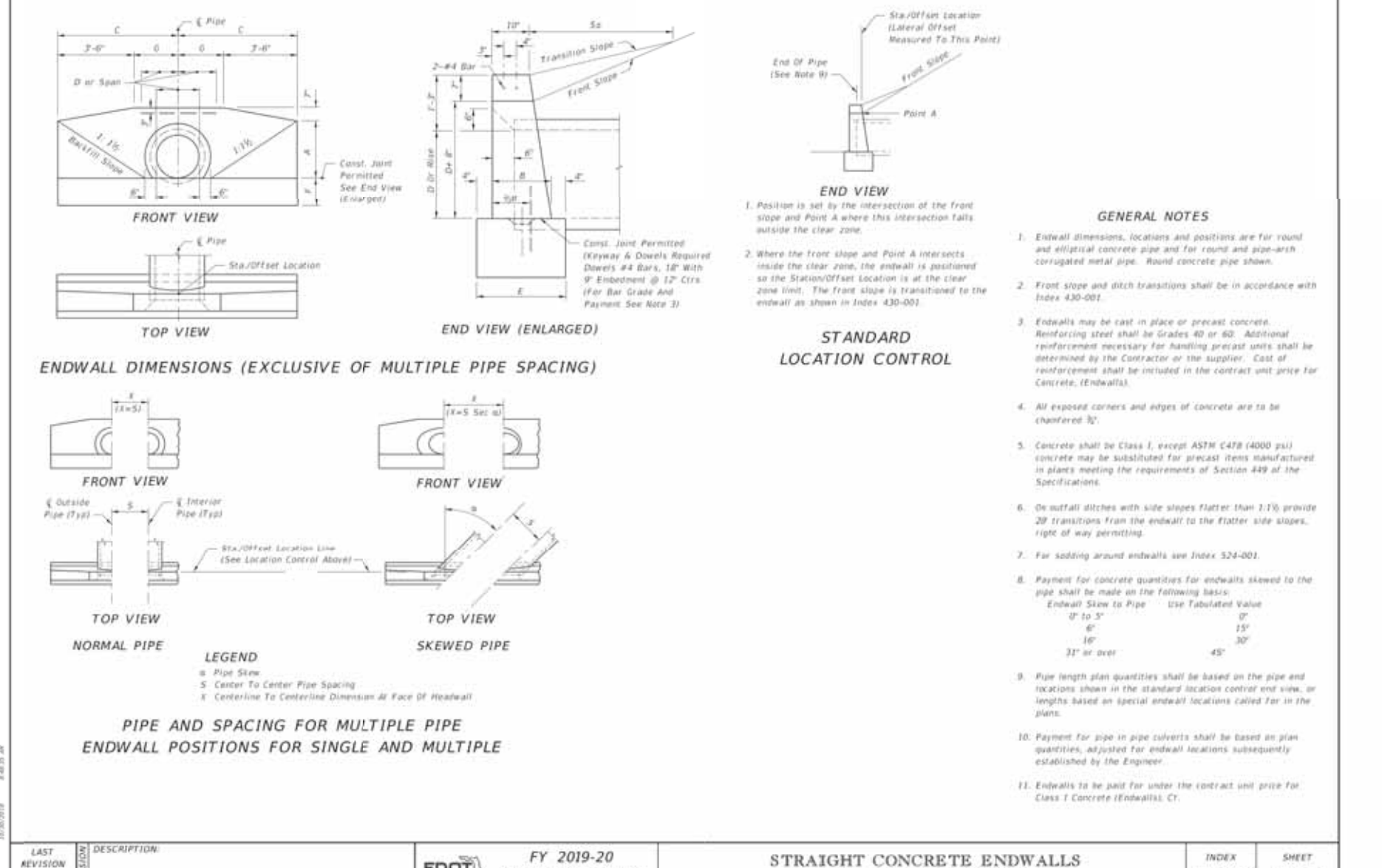
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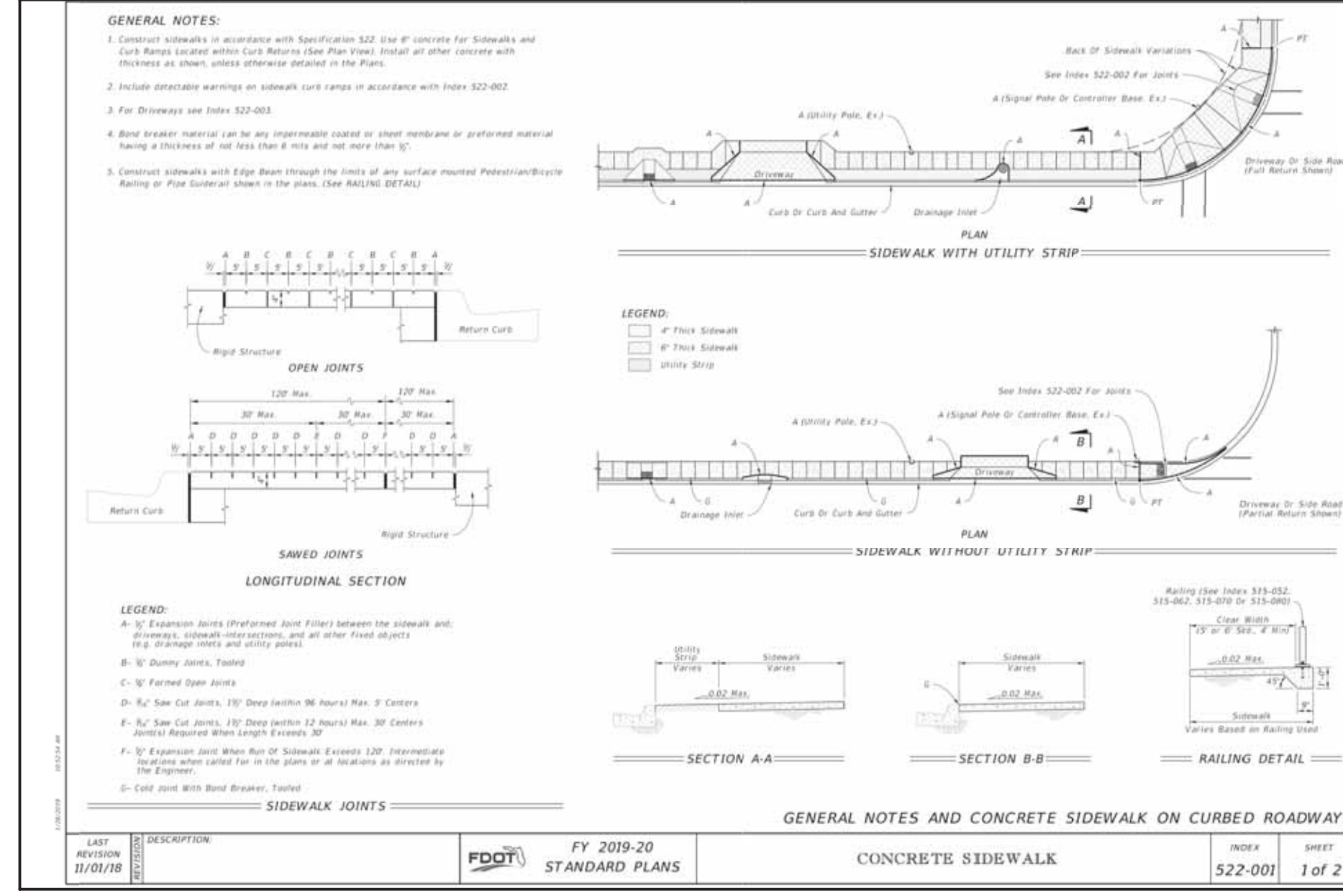
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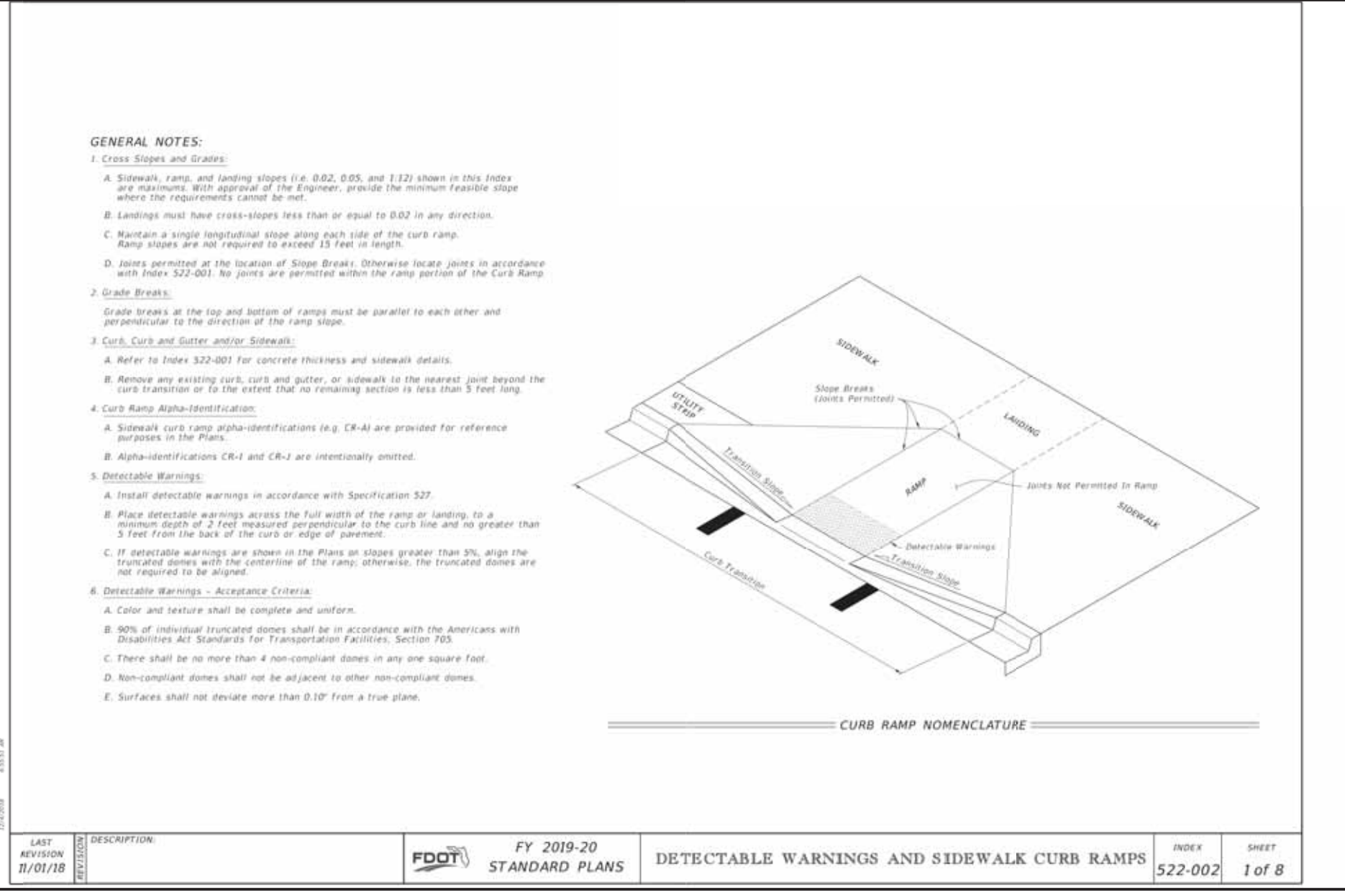
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LAST REVISION: 01/01/17
DESCRIPTION: FY 2019-20 STANDARD PLANS
INDEX: 430-030
SHEET: 1 of 2



LAST REVISION: 01/01/17
DESCRIPTION: FY 2019-20 STANDARD PLANS
INDEX: 522-001
SHEET: 1 of 2



LAST REVISION: 01/01/17
DESCRIPTION: FY 2019-20 STANDARD PLANS
INDEX: 522-002
SHEET: 1 of 8

