

GENERAL NOTES:

1. THE PROJECT ENGINEER (ENGINEER OF RECORD) MUST PROVIDE TO ESCAMBA COUNTY AS-BUILT RECORD DRAWINGS FOR VERIFICATION AND APPROVAL BY ESCAMBA COUNTY 1 WEEK PRIOR TO REQUESTING A FINAL INSPECTION AND CERTIFICATE OF OCCUPANCY, OR PROVIDE "AS-BUILT" CERTIFICATION THAT THE PROJECT CONSTRUCTION ADHERES TO THE PERMITTED PLANS AND SPECIFICATIONS, THE AS-BUILT CERTIFICATION OF THE AS-BUILT RECORD DRAWING MUST BE SIGNED, SEALED, AND DATED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.
2. THE CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON THE SITE. IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN CODE ENFORCEMENT VIOLATION.
3. RETENTION/DETENTION AREAS SHALL BE SUBSTANTIALLY COMPLETE PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT MAY INCREASE STORM WATER RUNOFF RATES. THE CONTRACTOR SHALL CONTROL STORM WATER DURING ALL PHASES OF CONSTRUCTION AND TAKE ADEQUATE MEASURES TO PREVENT THE EXCAVATED POND FROM BLINDING DUE TO SEDIMENTS.
4. ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE STABILIZED WITH SEEDING, FERTILIZER AND MULCH, HYDROSEED AND/OR SOD.
5. ALL NEW BUILDING ROOF DRAINS, DOWN SPOUTS, OR GUTTERS SHALL BE ROUTED TO CARRY ALL STORM WATER TO RETENTION/DETENTION AREAS.
6. DEVELOPER/CONTRACTOR SHALL RESHAPE PER PLAN SPECIFICATIONS, CLEAN OUT ACCUMULATED SILT, AND STABILIZE RETENTION/DETENTION POND(S) AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND PRIOR TO REQUEST FOR INSPECTION.
7. CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOWS AS-BUILT CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, TOPO OF POND(S), OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING, ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.
8. THE OWNER OR HIS AGENT SHALL ARRANGE/SCHEDULE WITH THE COUNTY FINAL INSPECTION OF THE DEVELOPMENT UPON COMPLETION AND ANY INTERMEDIATE INSPECTIONS AT (850) 595-3472. AS BUILT CERTIFICATION IS REQUIRED PRIOR TO REQUEST FOR FINAL INSPECTION/REVIEW.
9. NOTIFY SUNSHINE UTILITIES 48 HOURS IN ADVANCE PRIOR TO DIGGING WITHIN R/W 1-800-432-4770.
10. ALL ASPECTS OF THE STORMWATER/DRAINAGE COMPONENTS AND/OR TRANSPORTATION COMPONENTS AS PER ESCAMBA COUNTY, FDOT SPECIFICATIONS SHALL BE COMPLETED PRIOR TO ISSUANCE OF FINAL CERTIFICATE OF OCCUPANCY.
11. NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM BOTH THE DESIGN ENGINEER AND THE ESCAMBA COUNTY. ANY DEVIATIONS MAY RESULT IN DELAY IN OBTAINING A CERTIFICATE OF OCCUPANCY.
12. THE CONTRACTOR SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHT OF WAY.
13. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION.
14. ALL NON-HANDICAP PARKING SPACE LINES ARE TO BE WHITE.
15. ALL BUILDINGS AND MAILBOXES SHOULD DISPLAY THE CORRECT STREET NUMBER. THIS NUMBER MUST BE AT LEAST 3 INCHES IN HEIGHT. PROPERLY DISPLAYING THE ADDRESS WILL ENABLE FIRE, POLICE, AND AMBULANCE PERSONNEL TO LOCATE THE BUILDING IN AN EMERGENCY.
16. DAMAGE TO EXISTING ROADS DURING CONSTRUCTION WILL BE REPAIRED BY THE DEVELOPER PRIOR TO FINAL "AS-BUILT" SIGN OFF FROM THE COUNTY.
17. THE CONTRACTOR/OWNER IS TO ENSURE THAT ALL EROSION CONTROL MEASURES SHALL BE INSPECTED AFTER EACH 1/4" RAINFALL EVENT OR AT LEAST WEEKLY. IF AN NPDES PERMIT IS REQUIRED FOR THIS PROJECT, THE CONTRACTOR SHALL DOCUMENT SUCH INSPECTIONS AND EROSION CONTROL MAINTENANCE EFFORTS. INSPECTION RECORDS SHALL BE PROVIDED TO THE NPDES PERMIT APPLICANT FOR PROPER REPORTING TO FDOT.
18. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING TO THE DISTRICT NOTICE OF CONSTRUCTION COMMENCEMENT CONSTRUCTION IS TO CONTACT ENGINEER OF RECORD FOR APPROPRIATE CONSTRUCTION COMMENCEMENT FORM. ENGINEER OF RECORD IS RESPONSIBLE FOR AS-BUILT CERTIFICATIONS FOR THE PROJECT WHEN COMPLETED.
19. ALL TREE REMOVAL, LAND CLEARING, "LAND DISTURBANCE ACTIVITIES", PLACEMENT OF FILL MATERIALS, GRADING OF LAND, OTHER DEVELOPMENT ACTIVITIES, ETC. SHALL ONLY OCCUR AFTER ALL PROPER PERMITS &/OR APPROVALS ARE OBTAINED FROM ESCAMBA COUNTY & ANY OTHER AGENCIES AS REQUIRED.
20. THE CONTRACTOR SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHT OF WAY.

DESCRIPTION: (AS FURNISHED)

Beginning at the Southeast corner of Government Lot 2, in Section 11, Township 2 South, Range 31 West, and thence running North parallel to the Section line 825 feet to a point of beginning; thence running West from said point of beginning parallel with the Half Section line 1320 feet; thence North parallel to the Section line 165 feet; thence East parallel with the Half section line 1320 feet; thence South parallel with the Section line 165 feet to the point of beginning, the same being part of Government Lot 2, 15 feet on the east side of said property along the border thereof being reserved for road purposes.

MOREAU DUPLEXES

PROPOSED RESIDENTIAL DUPLEXES SECTION 11, TOWNSHIP 2 SOUTH, RANGE 31 WEST ESCAMBA COUNTY, FLORIDA AUGUST 2021

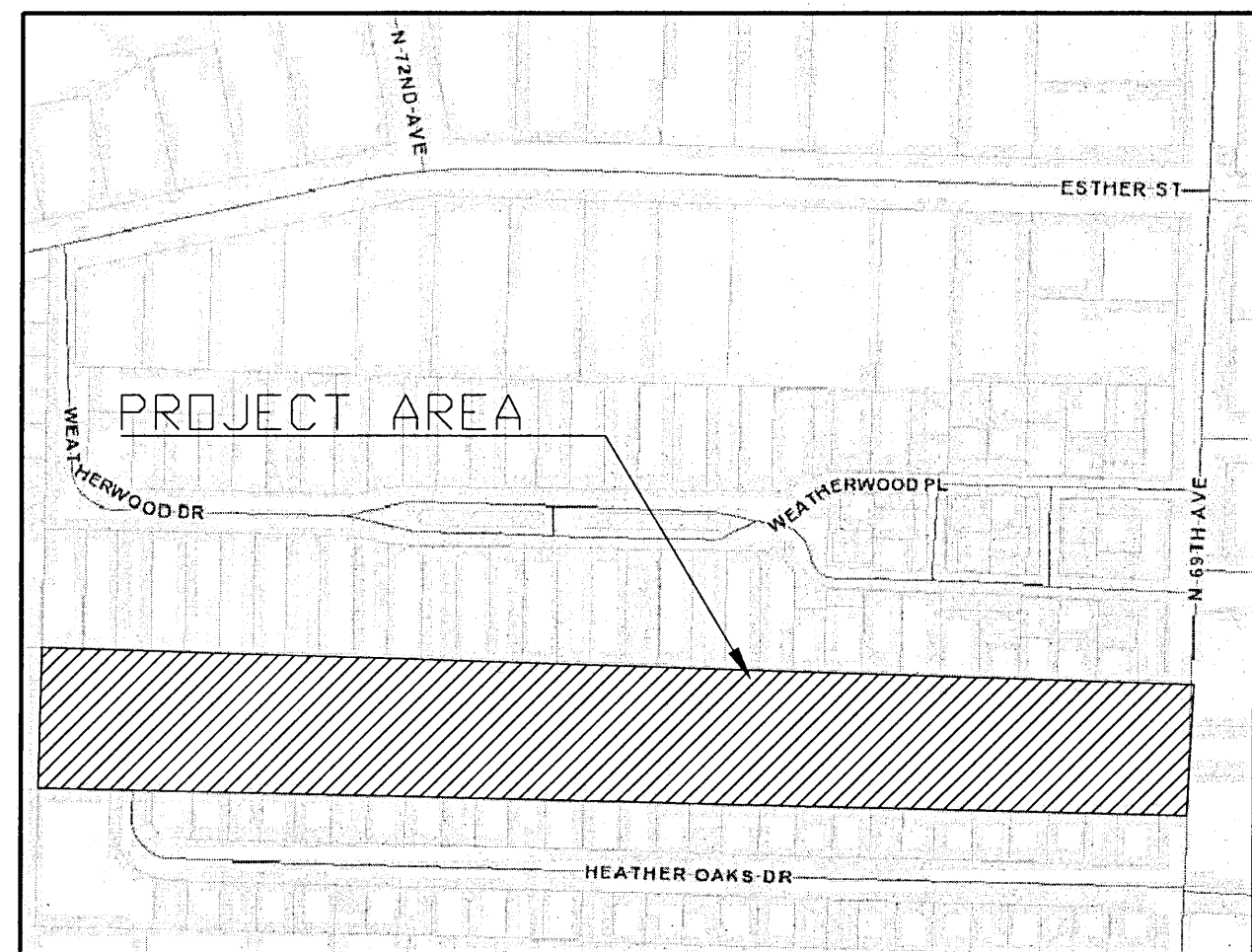
PROJECT INFORMATION:

PROP. REF#: 11-2S-31-2112-000-000

ZONE: MDR FLU: MU-S
SURROUNDING ZONE: MDR FLU: MU-S
OWNER/DEVELOPER: 88 UNITED LLC
2379 HIGHWAY 183 A
PONCE DE LEON, FL 32455
SITE ADDRESS: 1325 N. 69TH AVE.
PROPOSED USE: RESIDENTIAL

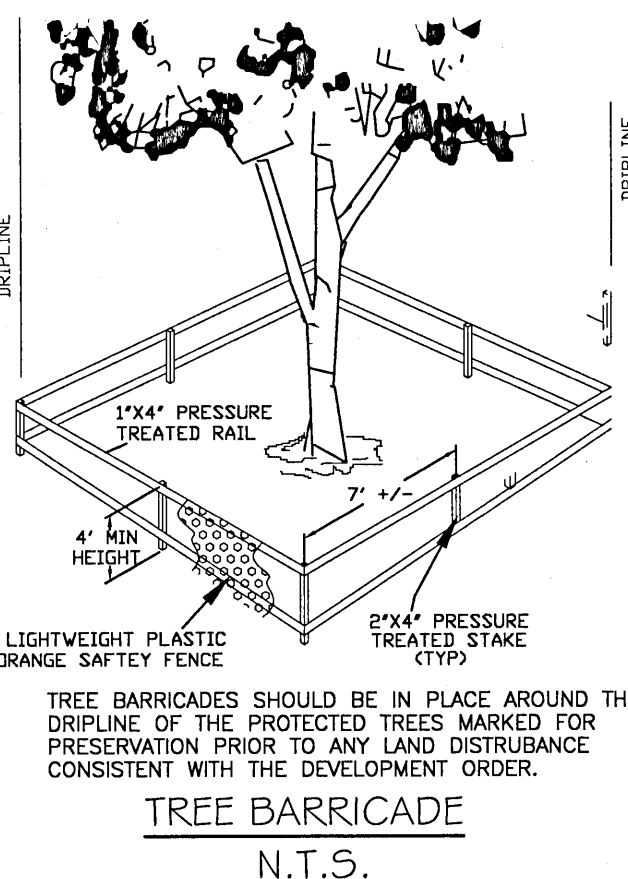
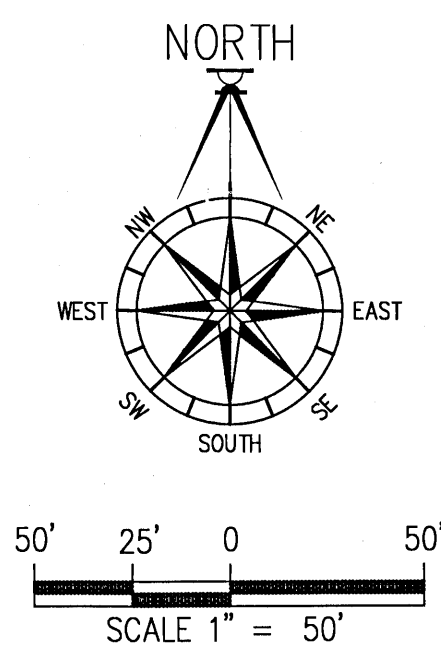
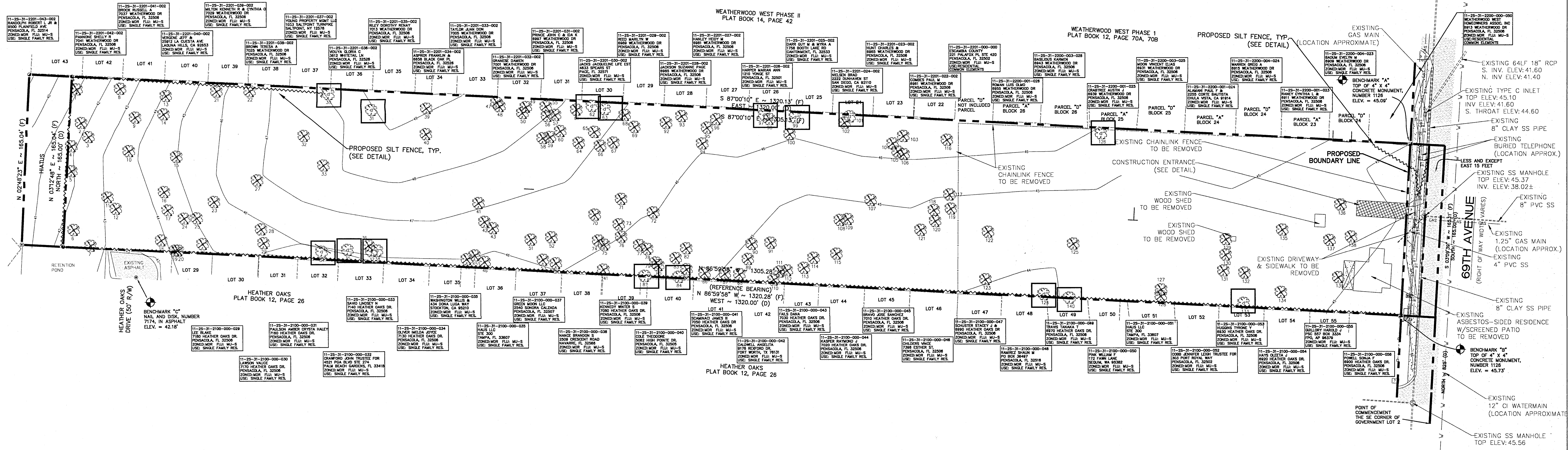
THIS SITE RECEIVED AN ADMINISTRATIVE VARIANCE FROM THE ESCAMBA COUNTY DEVELOPMENT REVIEW COMMITTEE TO ALLOW 13-FT SPACING BETWEEN THE PROPOSED RESIDENTIAL DUPLEXES

SHEET	DESCRIPTION
1	EXISTING CONDITIONS
2	SITE PLAN, OVERALL
3	SITE PLAN, EAST
4	SITE PLAN, WEST
5	UTILITY PLAN, OVERALL
6	UTILITY PLAN, EAST
7	UTILITY PLAN, WEST
8	DRAINAGE PLAN, OVERALL
9	DRAINAGE PLAN, EAST
10	DRAINAGE PLAN, WEST
11	LANDSCAPE PLAN, OVERALL
12	LANDSCAPE PLAN, EAST
13	LANDSCAPE PLAN, WEST
14	DISCHARGE PIPE PLAN/PROFILE
15	POND DETAILS
16	DRAINAGE DETAILS



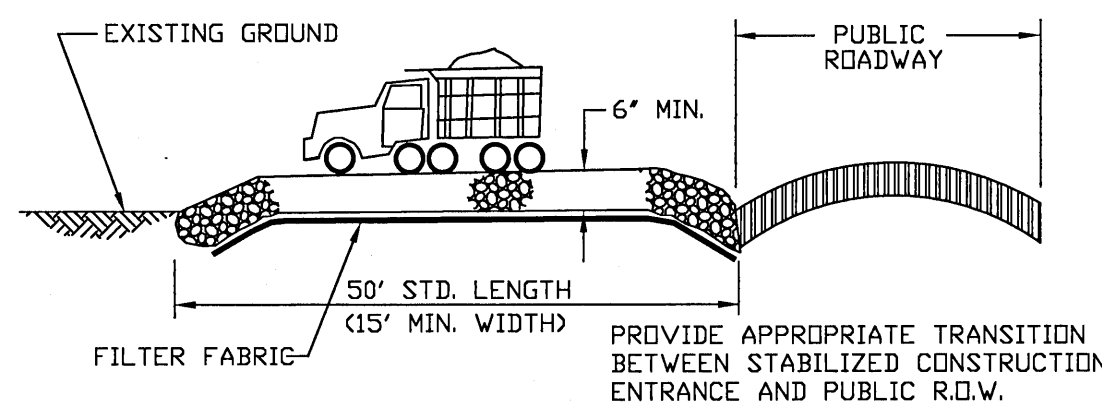
VICINITY MAP
(NOT TO SCALE)

THE SUBJECT PROPERTY AS SHOWN HEREON IS LOCATED IN FLOOD ZONE X, AS DETERMINED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBA COUNTY, FLORIDA, COMMUNITY 120080, FIRM MAP PANEL NUMBERS 12033C0370G, MAP REVISION DATED SEPTEMBER 29, 2006.



TREE PROTECTION NOTES:

1. ROOT PRUNING SHALL BE PERFORMED ON ROOTS OF IMPACTED TREES REMAINING ON SITE. ROOTS MUST BE PRUNED OR CUT CLEANLY WITH APPROPRIATE EQUIPMENT. (NOT TORN AS WITH USING A BACK HOE).
2. TREE BARRIERS SHALL BE INSTALLED PRIOR TO SITE DEVELOPMENT ACTIVITIES, INSPECTED, AND MAINTAINED IN GOOD WORKING ORDER UNTIL ALL CONSTRUCTION ACTIVITIES HAVE CEASED AND SITE IS STABILIZED.
3. CONSTRUCTION TRAILERS, TRAFFIC AND STORAGE AREAS MUST REMAIN OUT OF TREES ROOT PROTECTION ZONE AT ALL TIMES. NO GRADING OR CLEARING BY HEAVY EQUIPMENT SHOULD HAPPEN UNDER THE DRIPLINE OF PROTECTED TREES TO REMAIN ON SITE.
4. TO PROTECT TREES STABILIZING ROOTS, TRENCHING SHOULD BE NO CLOSER THAN 6 FEET FROM TRUNK OF THE TREE REMAINING ON SITE.



Approved
ESCAMBA COUNTY DRG PLAN REVIEW

DRG Chairman Signature: *Shannon Ryan* Date: 9-13-2021

Printed Name: *Shannon Ryan*

Development Surveyor: *Shannon Ryan*

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

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CERTIFICATE # 0000423
10256 N. 10TH AVE., SUITE 100
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PH: (850) 478-8877 FAX: (850) 478-7708

MOREAU DUPLEXES

EXISTING CONDITIONS / DEMOLITION PLAN

PERMIT SET

NOT RELEASED FOR CONSTRUCTION

DRIVEN BY: B. PEMBERTON
DESIGNED BY: D. FITZPATRICK

PROJ. NUMBER: 21006
PLOT DATE: 05/05/21
SHEET: C1 OF C16



DENSITY CALCULATION:
DENSITY REQUIREMENTS PER ESCAMBIA COUNTY LDC:
MAXIMUM ALLOWABLE DENSITY : TEN DWELLING UNITS PER ACRE
SITE ACREAGE: 5.03
PROPOSED DWELLING UNITS: 44
PROPOSED DENSITY: 8.75 UNITS/ACRE

Diagram of a Disabled Parking Sign with dimensions and color specifications:

- Dimensions:**
 - Top width: 12"
 - Left height: 18"
 - Bottom height: 7"
- Colors:**
 - WHITE SYMBOL ON BLUE BACKGROUND
 - LEGEND BLACK ON WHITE BACKGROUND
 - BORDER WHITE
 - BORDER BLACK
 - BACKGROUND WHITE
 - LEGEND AND BORDER BLACK
- Text on Sign:**
 - PARKING BY DISABLED PERMIT ONLY
 - \$250 FINE
- Additional Notes:**
 - SEE PAGE 3.53 OF STANDARD HIGHWAY SIGNS FOR OTHER DIMENSIONS
 - FINISH GRADE

R1-1

SIGN	DIMENSIONS (INCHES)				
	A	B	C	D	E
STD.	30	3/4	10	10C	5

COLORS
 LEGEND - WHITE (REFL)
 BACKGROUND - RED (REFL)
STOP SIGN DETAIL
 NTS

SUITE NUMBERING	
BUILDING #1: 101, 102	BUILDING #12: 1201, 1202
BUILDING #2: 201, 202	BUILDING #13: 1301, 1302
BUILDING #3: 301, 302	BUILDING #14: 1401, 1402
BUILDING #4: 401, 402	BUILDING #15: 1501, 1502
BUILDING #5: 501, 502	BUILDING #16: 1601, 1602
BUILDING #6: 601, 602	BUILDING #17: 1701, 1702
BUILDING #7: 701, 702	BUILDING #18: 1801, 1802
BUILDING #8: 801, 802	BUILDING #19: 1901, 1902
BUILDING #9: 901, 902	BUILDING #20: 2001, 2002
BUILDING #10: 1001, 1002	BUILDING #21: 2101, 2102
BUILDING #11: 1101, 1102	BUILDING #22: 2201, 2202

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MOREAU DUPLIXES

SITE PLAN-OVERALL

[illegible]

DRAWN BY:
B. PEMENT

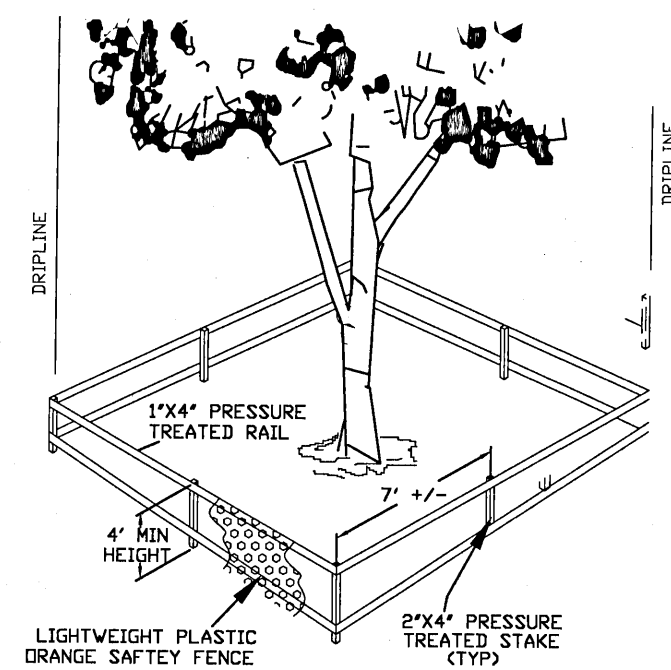
DESIGNED BY:
D. FITZPATRICK

SIGNATURE & SEAL

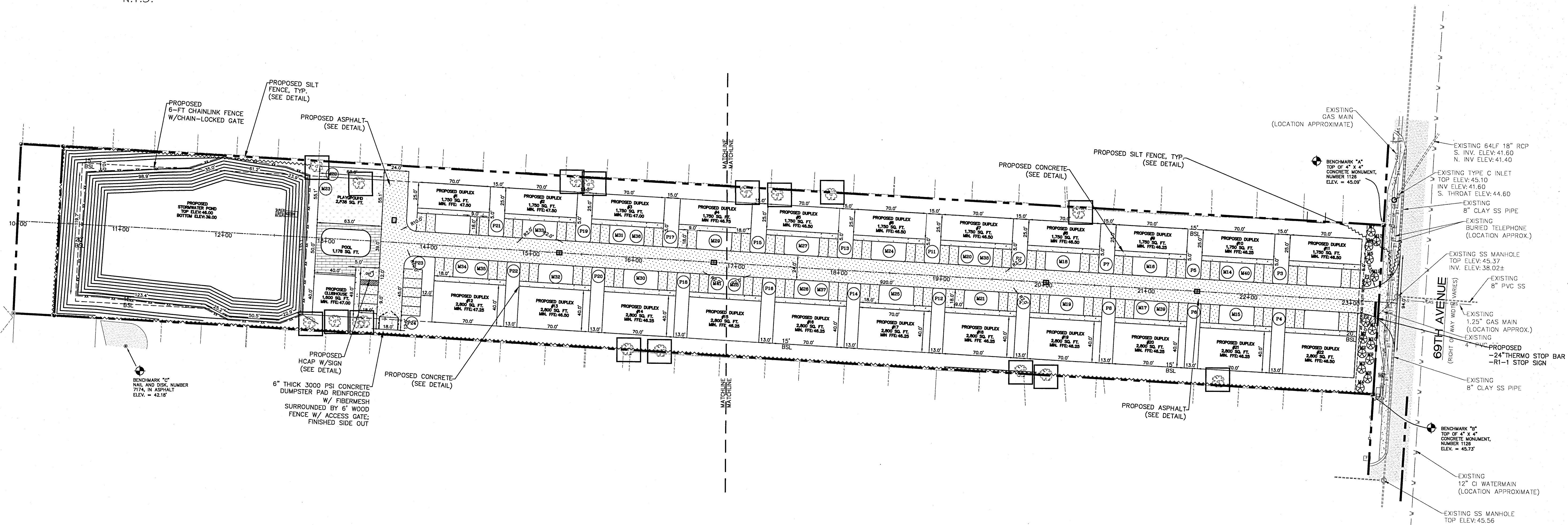
NO. W. FITZPATRICK
LICENSE
No 478181
666
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
NUMBER 21-006

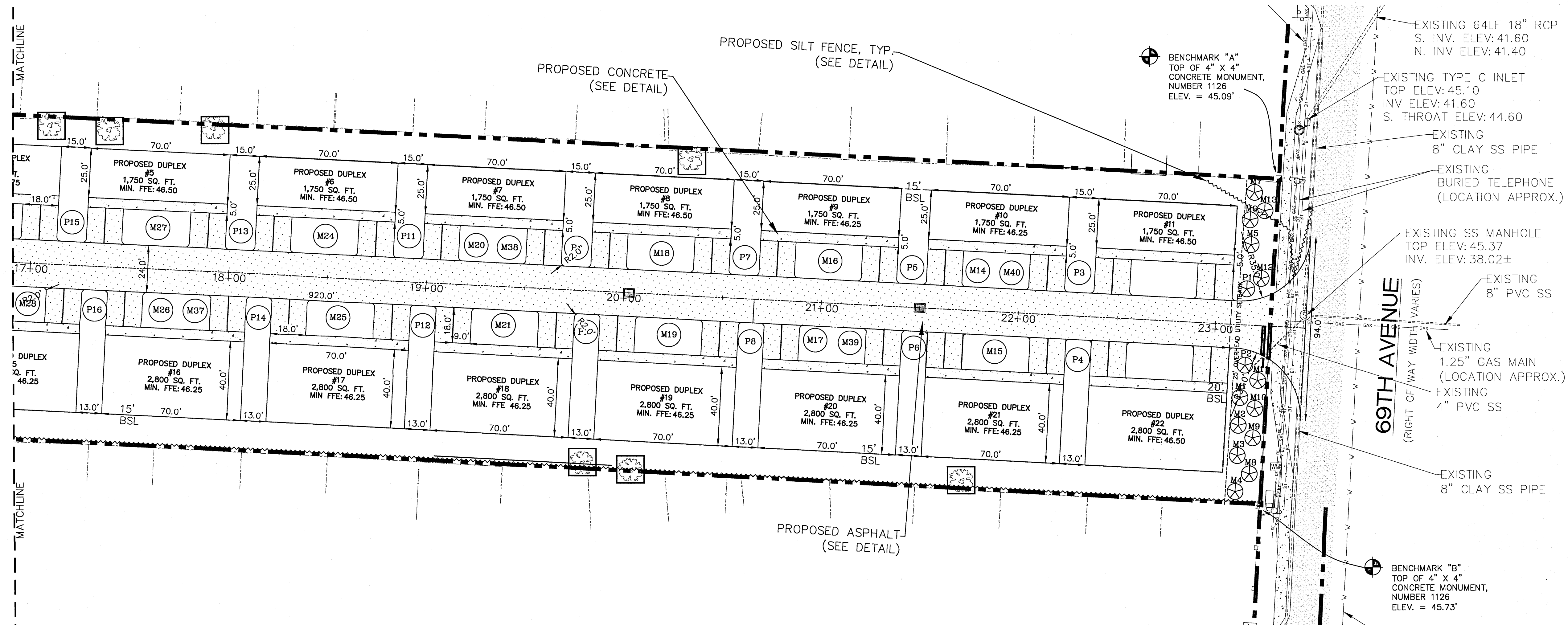
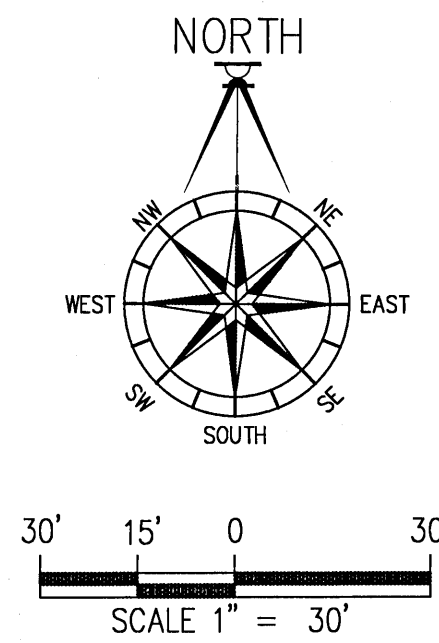
PLOT
DATE 08/03/21

SHEET C2 OF C16



TREE BARRICADE
N.T.S.





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MOREAU DUPLEXES
SITE PLAN-EAST

REVISION	DATE

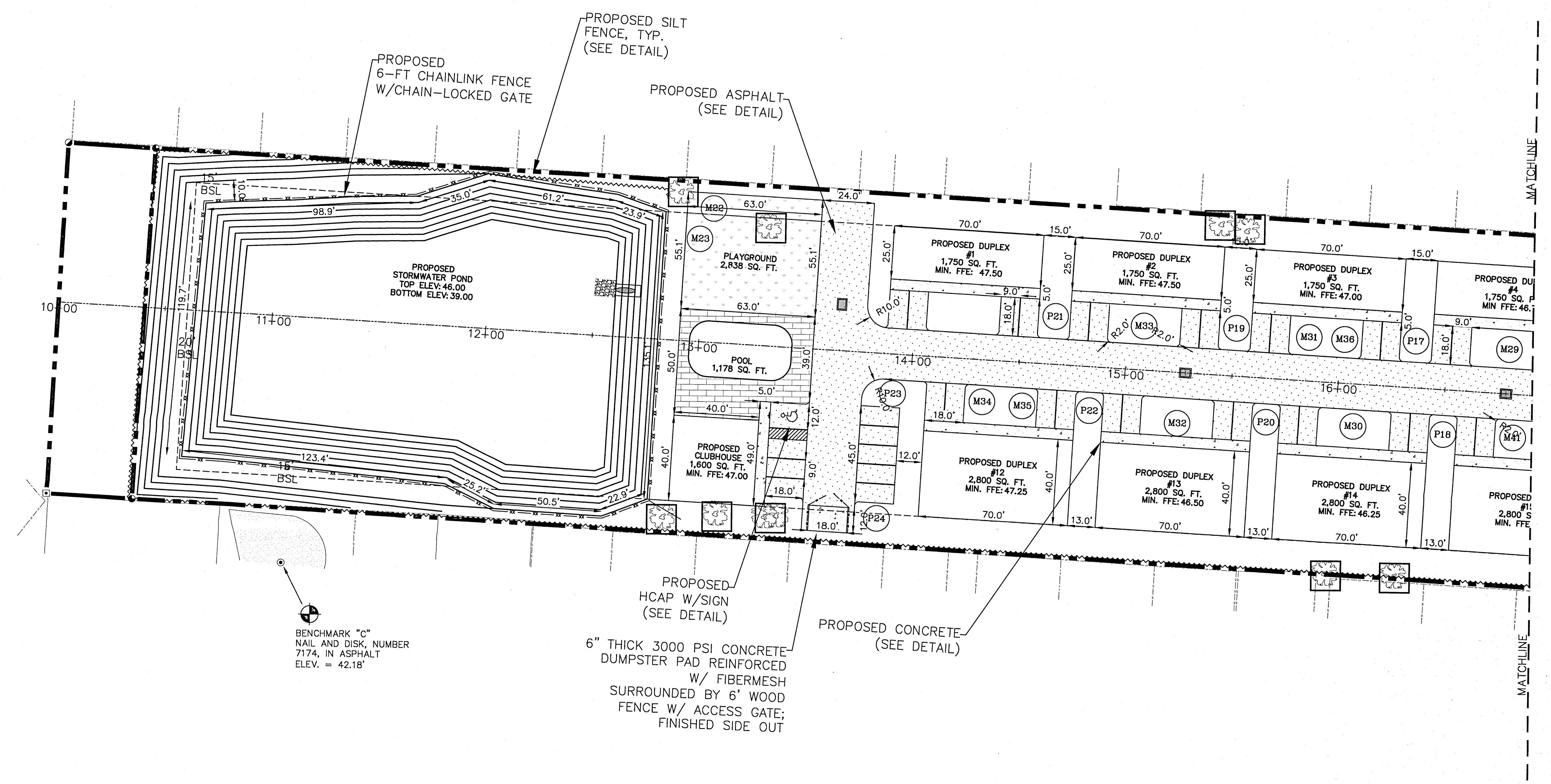
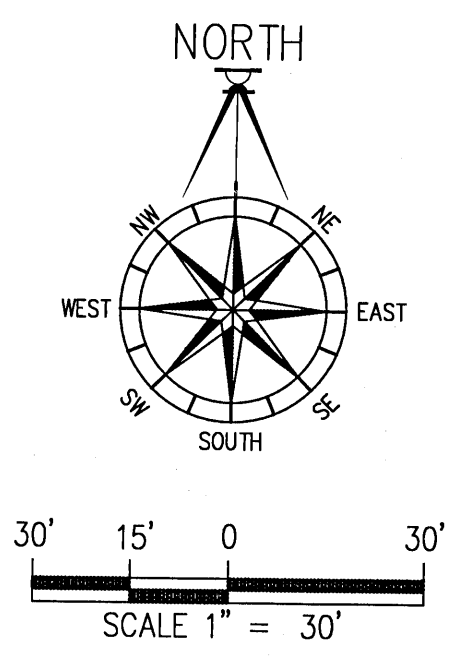
DRAWN BY:
B. PEMENT

DESIGNED BY:
D. FITZPATRICK

SEAL
DAVID W. FITZPATRICK
P.E.
No. 47818
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
NUMBER 0006

PLOT
DATE 05/05/21

SHEET C3 OF C16



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MOREAU DUPLEXES
SITE PLAN-WEST

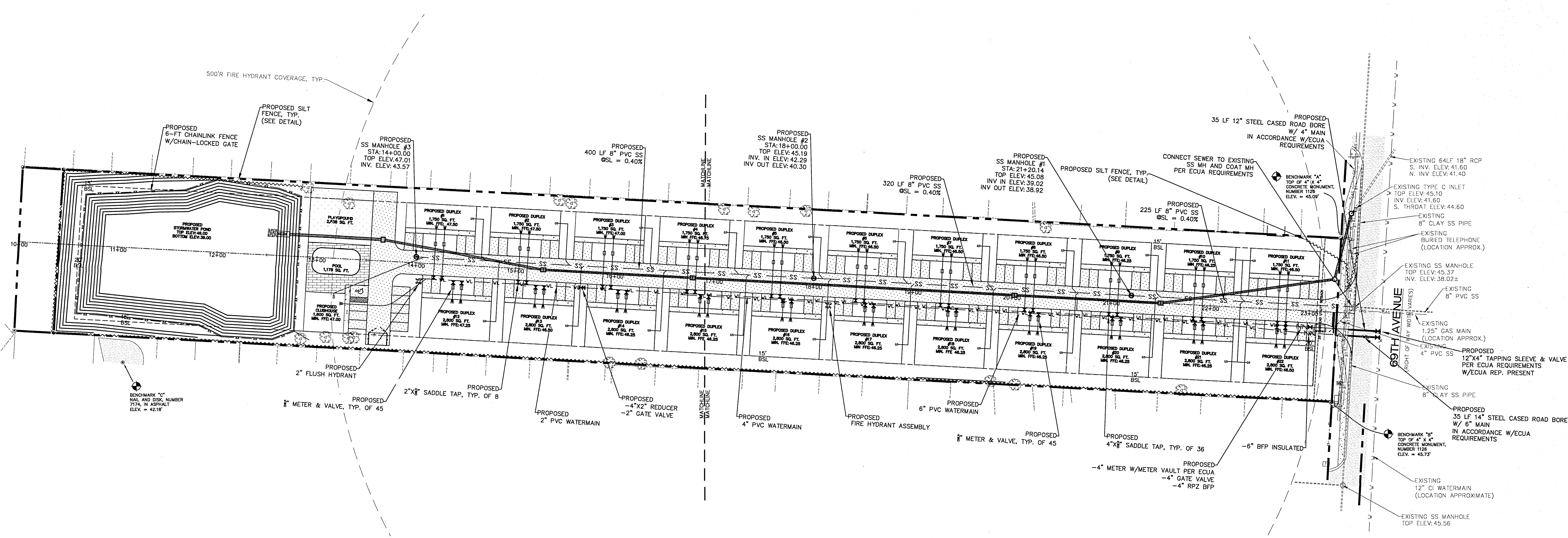
REVISION	DATE

DRAWN BY:
B. PEMENT

DESIGNED BY:
D. FITZPATRICK

PROFESSIONAL ENGINEER'S SEAL
DAVID W. FITZPATRICK
No. 47818
STATE OF FLORIDA
PROFESSIONAL ENGINEER

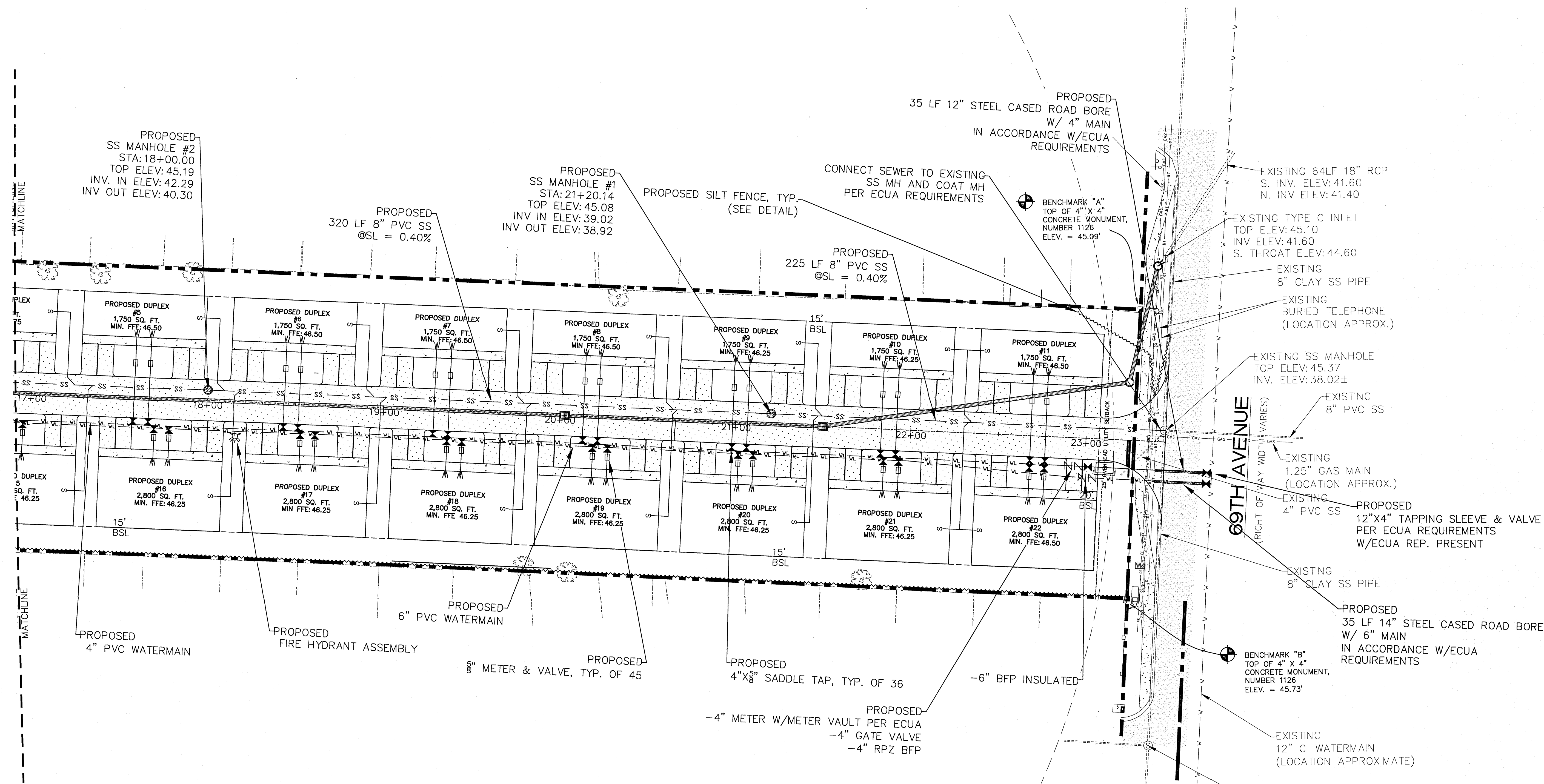
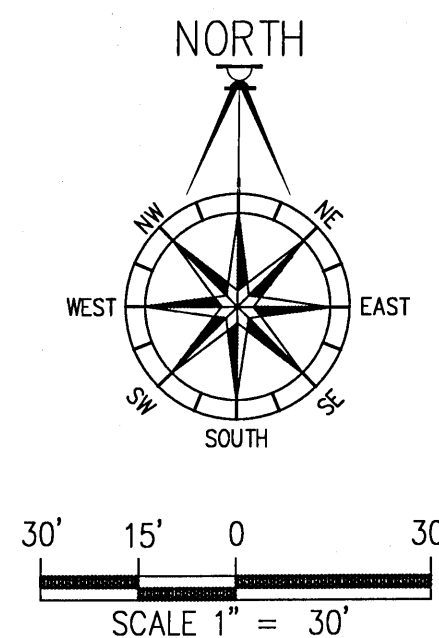
NUMBER 21-006
PLOT DATE 05/05/21
SHEET C4 of C16



MOREAU DUPLÉXES

UTILITY PLAN-OVERALL

DRAWN BY: B. PEMENT
DESIGNED BY: D. FITZPATRICK
NUMBER 21-006 PLOT DATE 05/05/21 SHEET C5 OF C16

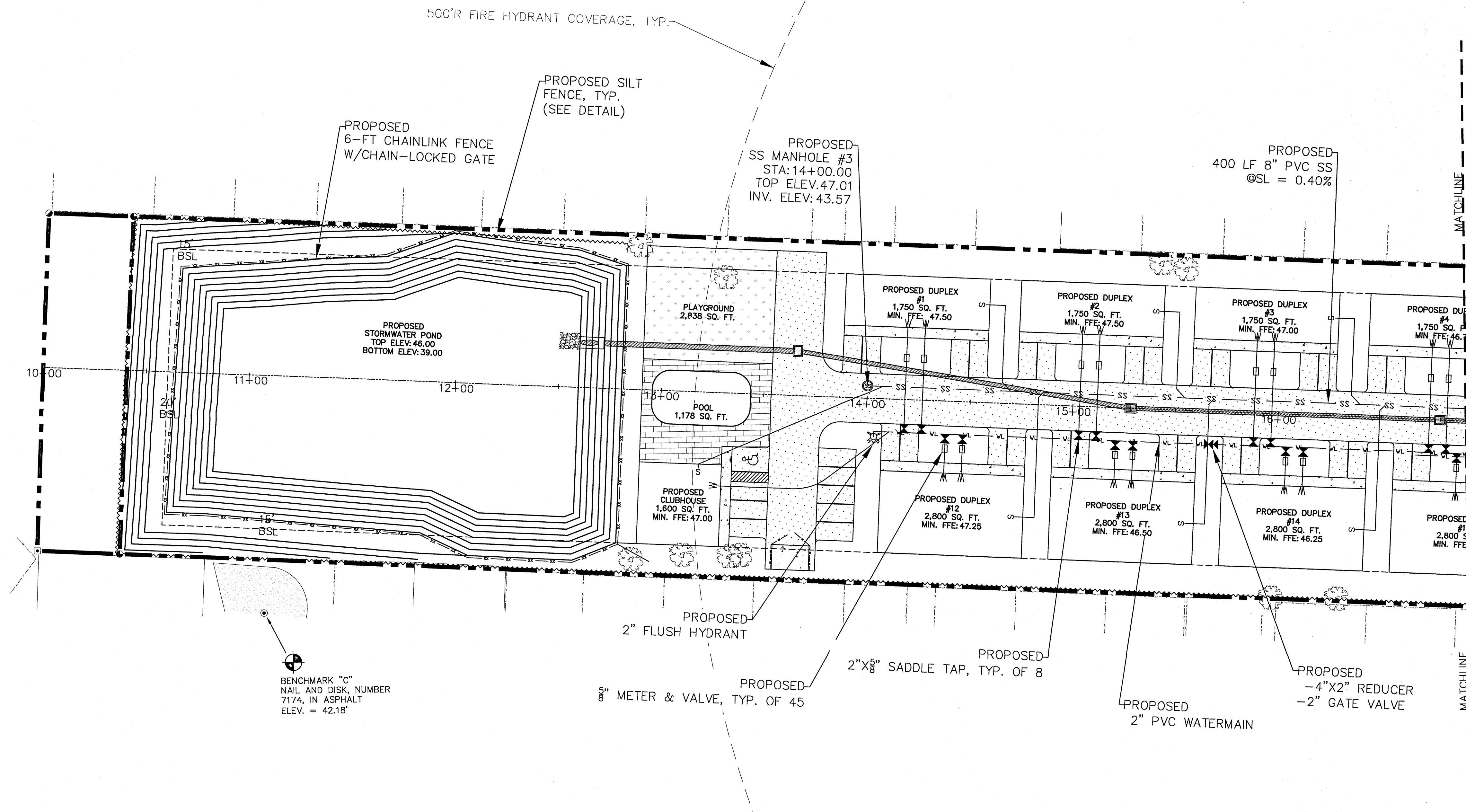
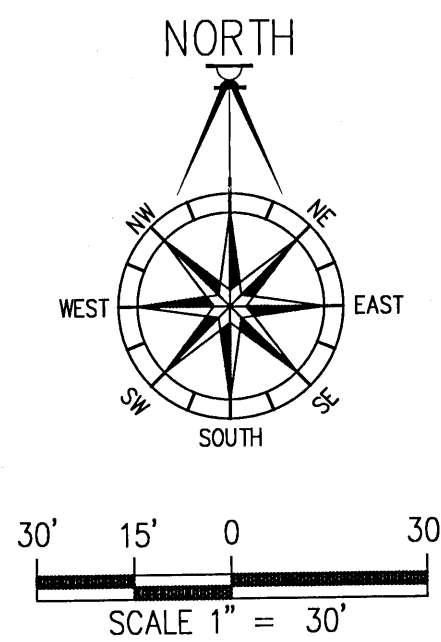


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MOREAU DUPLEXES
UTILITY PLAN-EAST

DATE	
REVISION	
NUMBER	

DRAWN BY:
B. PEMENT
DESIGNED BY:
D. FITZPATRICK
SIGNATURE OF DAVID W. FITZPATRICK
LICENSE NO. 47818
STATE OF FLORIDA
PROFESSIONAL ENGINEER
PLOT DATE: 05/05/21
SHEET C6 OF C16



DAVID W. FITZPATRICK

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10250 NORTH PALMWAY STREET
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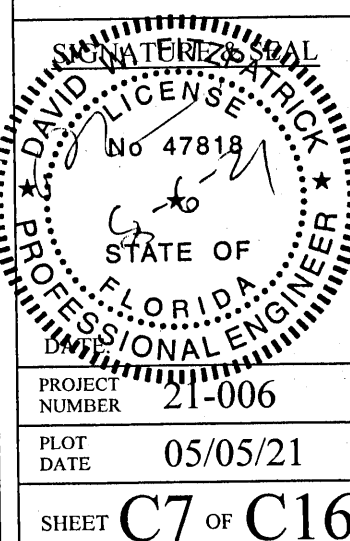
PH: (850) 76-8677 FAX: (850) 76-7708

MOREAU DUPLEXES

UTILITY PLAN-WEST

DATE	
REVISION	
NUMBER	

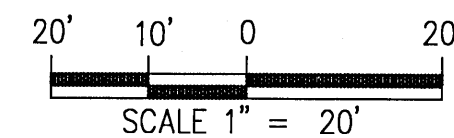
DRAWN BY:
B. FEMENT
DESIGNED BY:
D. FITZPATRICK



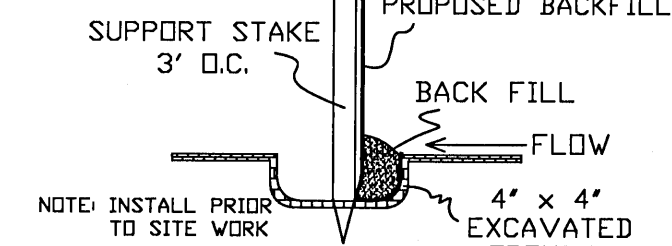
PROJECT
NUMBER 21-006

PLOT
DATE 05/05/21

SHEET C7 OF C16



1. THE CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON THE SITE. IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN CODE ENFORCEMENT VIOLATION.
2. THE CONTRACTOR SHALL MAINTAIN ALL SEDIMENT CONTROL MEASURES THROUGHOUT CONSTRUCTION AND TAKE ADEQUATE MEASURES TO PREVENT THE EXISTING POND FROM BLINDING DUE TO SEDIMENTS.
3. ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE STABILIZED WITH SEEDING, FERTILIZER AND MULCH, HYDROSEED AND/OR SOD.



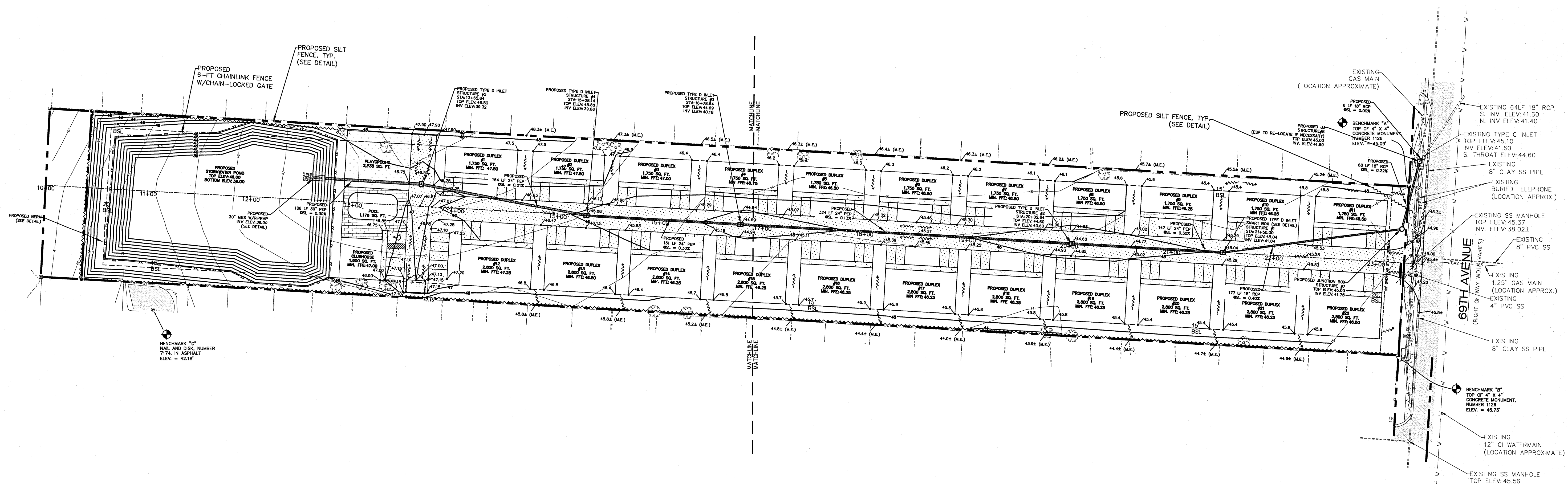
SILT FENCE DETAIL
N.T.S.

NOTE: ALL ROOF DRAINS TO BE DIRECTED TOWARDS SIDE YARDS

RETENTION POND OPERATION & MAINTENANCE PLAN

IN ORDER TO CONTINUE THE PROPER FUNCTION OF THE DRY RETENTION POND, ADEQUATE RESOURCES MUST BE COMMITTED TO PROPERLY MAINTAIN THE VOLUME, STABILITY, AND CLEANLINESS OF THE POND AND ITS STRUCTURES. A PROACTIVE, ROUTINE MAINTENANCE PLAN IS CRUCIAL TO THE CONTINUOUS TREATMENT AND ATTENUATION FUNCTIONALITY OF THE POND. MAINTENANCE ENTITY SHALL PERFORM QUARTERLY FIELD INSPECTIONS OF THE POND AND MAINTAIN RECORD OF FINDINGS.

<u>DRY RETENTION POND INSPECTION ACTIVITIES</u>	<u>FREQUENCY</u>
CLEANOUT ALL TRASH, DEBRIS, AND SEDIMENT IN THE POND AND INLET/OUTLET STRUCTURES. BACKFILL AND COMPACT ANY EXCESSIVE SOIL AND STABILIZE ANY BARE SIDESLOPES WITH PINNED SOLID SOIL.	QUARTERLY & AFTER SIGNIFICANT STORMS, OR MORE FREQUENTLY AS NEEDED.
MONITOR POND RECOVERY. POND SHOULD BE EMPTY WITHIN 7 DAYS OF A RAIN EVENT. IF POND IS NOT RECOVERING PROPERLY, THE TOP 3" OF THE POND BOTTOM SHOULD BE REMOVED AND REPLACED WITH CLEAN WHITE SAND.	ANNUAL.
KEEP VEGETATION OR GRASS CUT AND PICKED UP. MINIMIZE THE USE OF FERTILIZERS AND PESTICIDES.	MONTHLY, AS NEEDED



MOREAU DUPLÈXES

DRAINAGE PLAN-OVERALL

DAVID W. FITZPATRICK

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BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE # 00008423
10250 NORTH DALHOUSIE STREET

11111 (0000/1111 0000), 11111 (0000/1111 0000)

DRAWN BY:
B. PEMENT

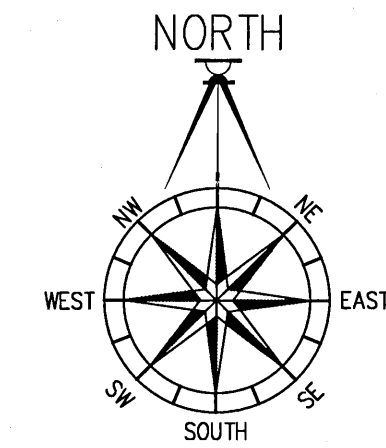
DESIGNED BY:
D. FITZPATRICK

SIGNATURE & SEAL

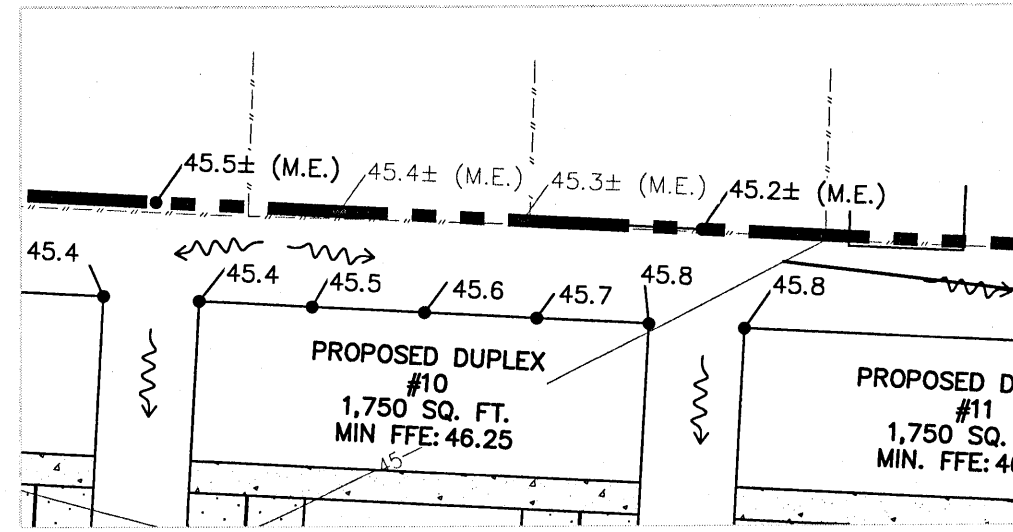
W. FITZPATRICK
LICENSE
No 47818
STATE OF
FLORIDA
ENGINEER

PLOT
DATE 05/05/21

SHEET C8 OF C16

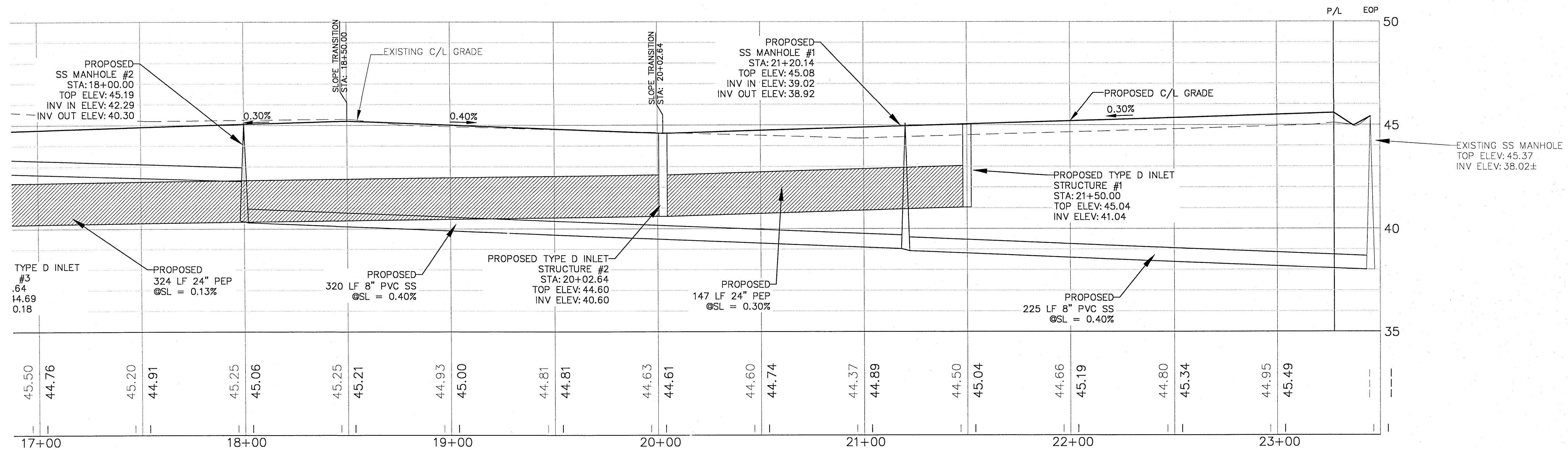
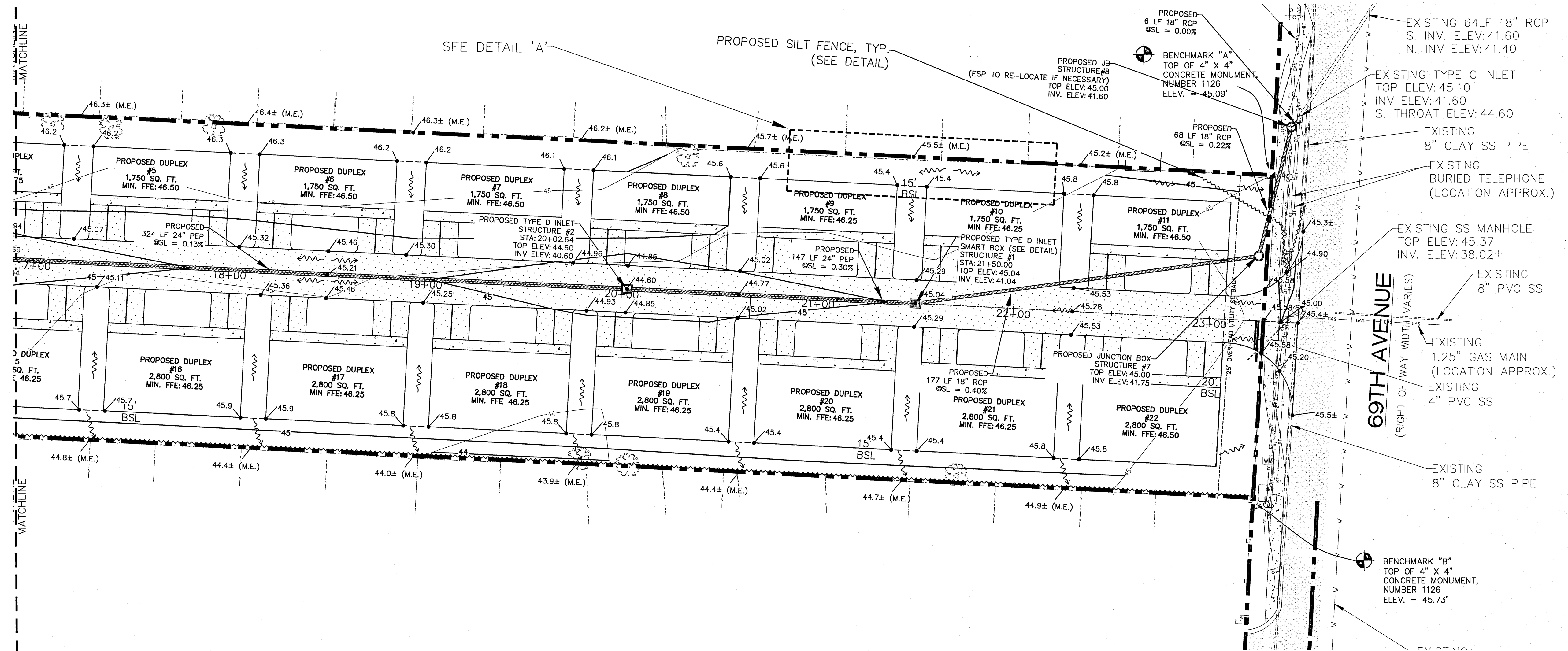


30' 15' 0 30'
SCALE 1" = 30'



DETAIL 'A'
1"=30'

NOTE: ALL ROOF DRAINS TO BE DIRECTED TOWARDS SIDE YARDS



DAVID W. FITZPATRICK

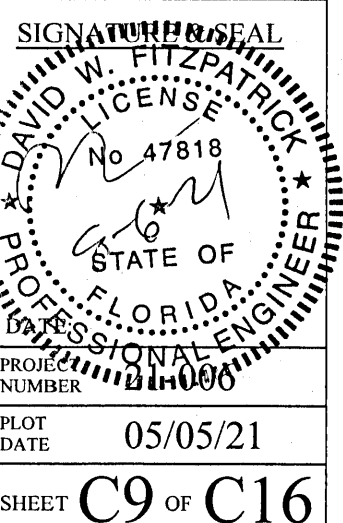
PROFESSIONAL ENGINEER, P.A.
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MOREAU DUPLEXES

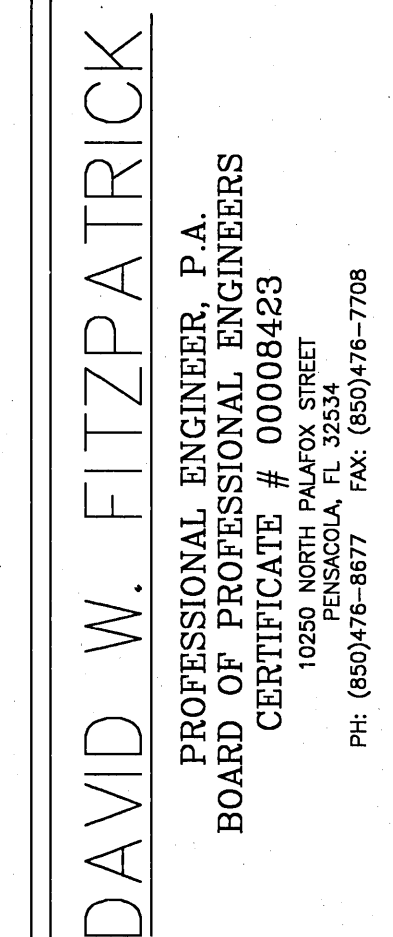
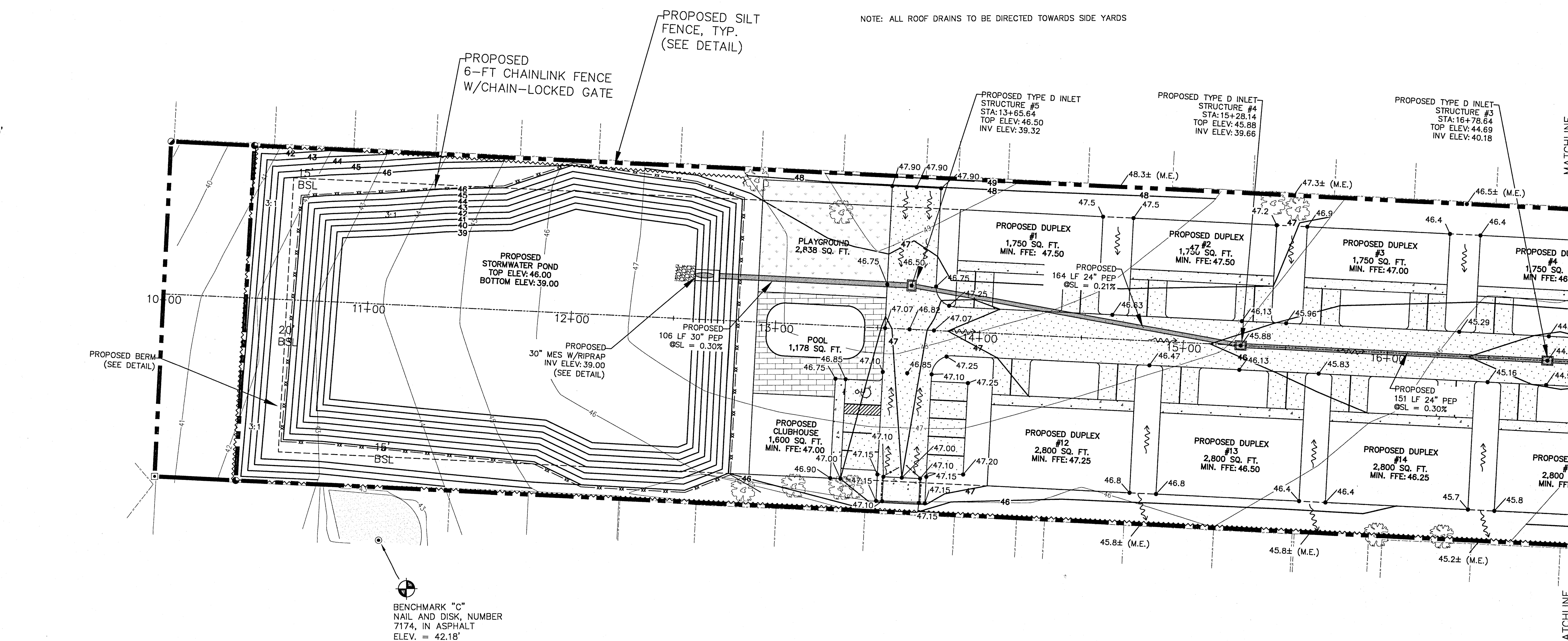
DRAINAGE PLAN-EAST

DATE	
REVISION	
NUMBER	

DRAWN BY:
B. PEMENT
DESIGNED BY:
D. FITZPATRICK



PLOT DATE: 05/05/21
SHEET C9 OF C16



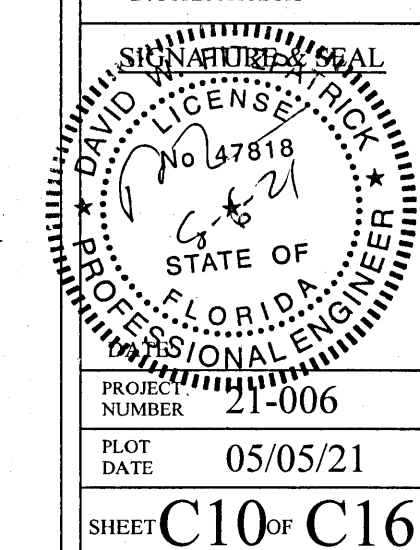
MOREAU DUPLIXES

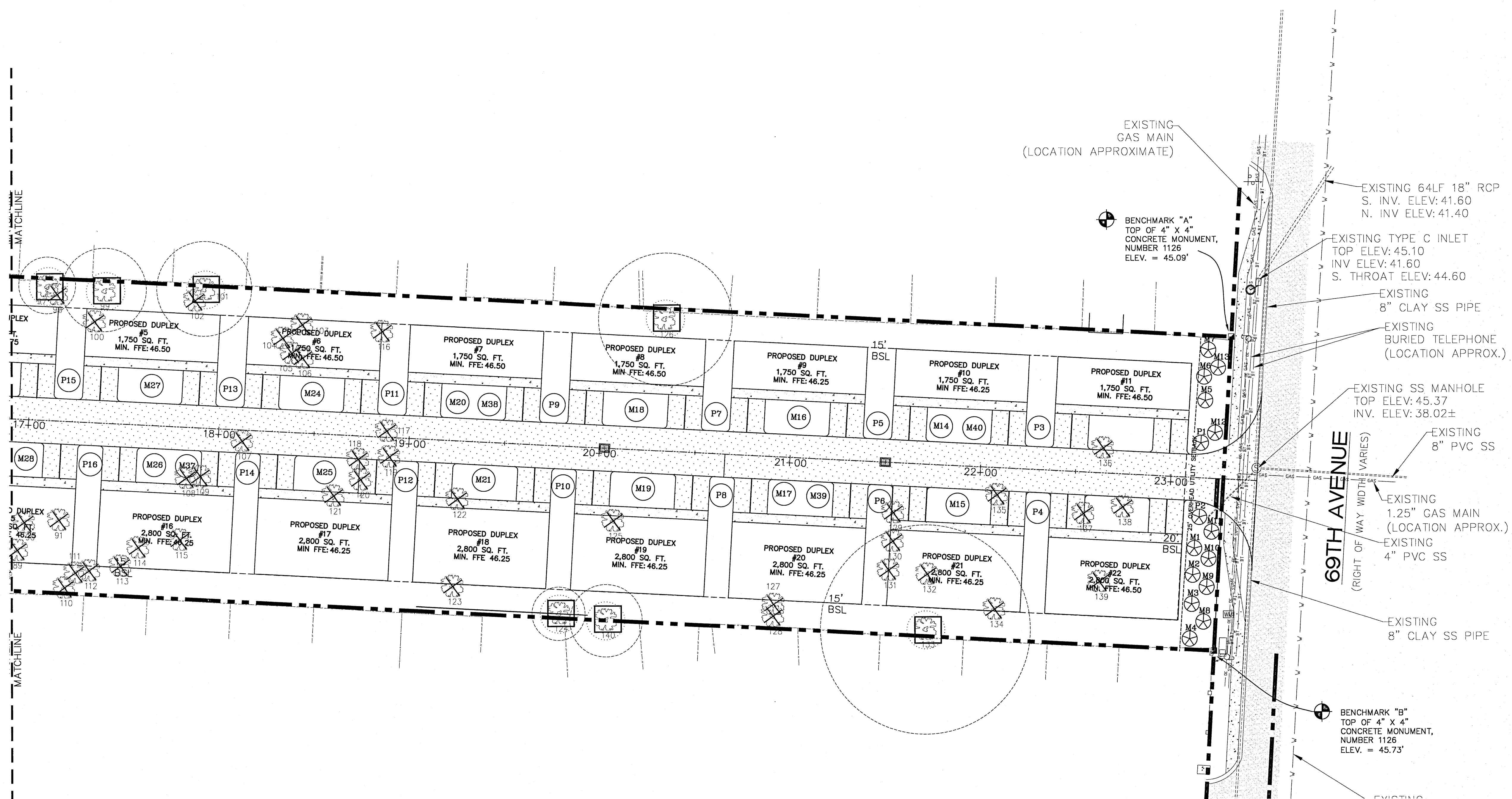
DRAINAGE PLAN-WEST

[illegible]

DRAWN BY:
B. PEMENT

DESIGNED BY:
D. FITZPATRICK





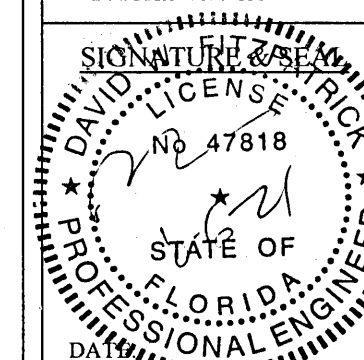
DAVID W. FITZPATRICK
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PH: (850) 476-5877 FAX: (850) 476-7708

MOREAU DUPLIXES

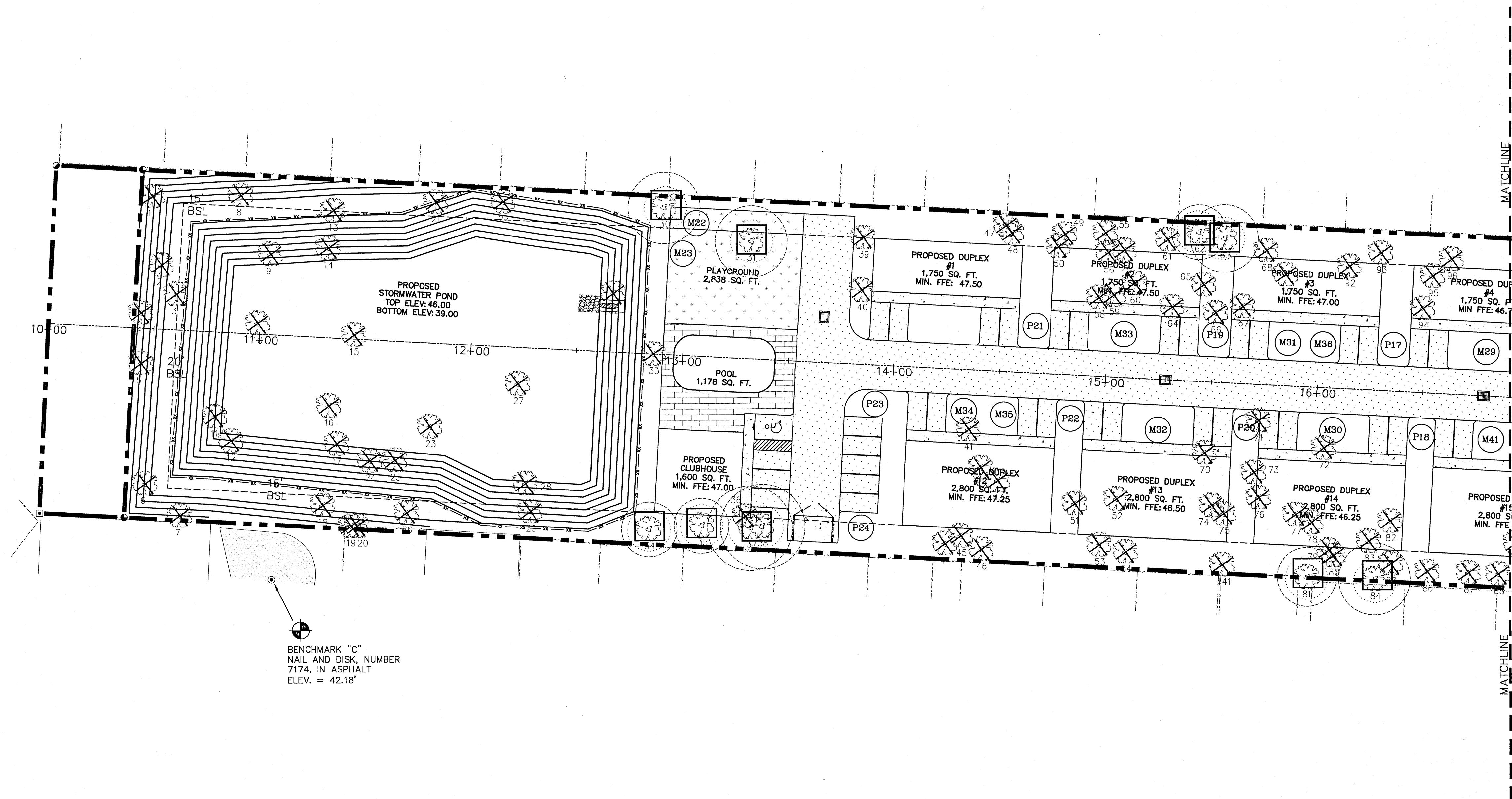
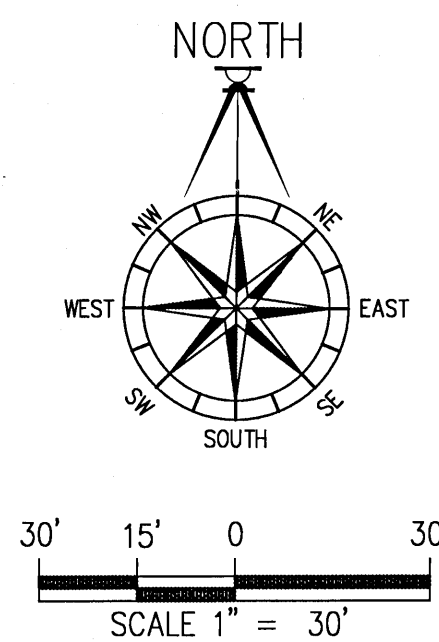
LANDSCAPE PLAN-EAST

[illegible]

DRAWN BY: B. PEMENT
DESIGNED BY:



PROJECT NUMBER	21-006
PLOT DATE	05/05/21
SHEET	C12 OF C16



BENCHMARK "C"
NAIL AND DISK, NUMBER
7174, IN ASPHALT
ELEV. = 42.18'

DAVID W. FITZPATRICK

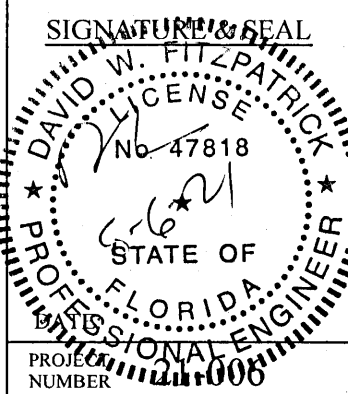
PROFESSIONAL ENGINEER, P.A.
BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE # 00008423
1000 SOUTH PALM AVENUE
PENSACOLA, FL 32504
PH: (850) 476-8877 FAX: (850) 476-7708

MOREAU DUPLEXES

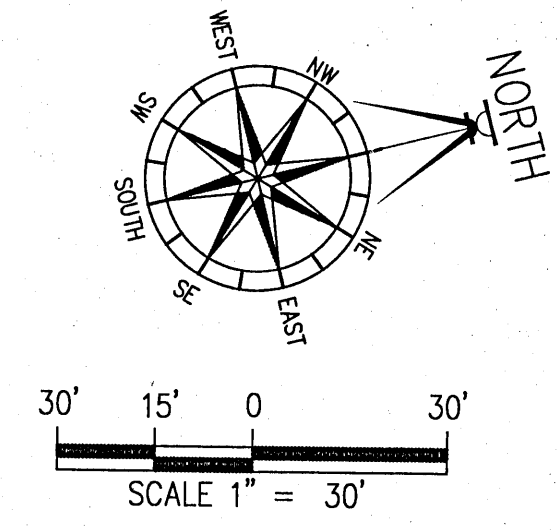
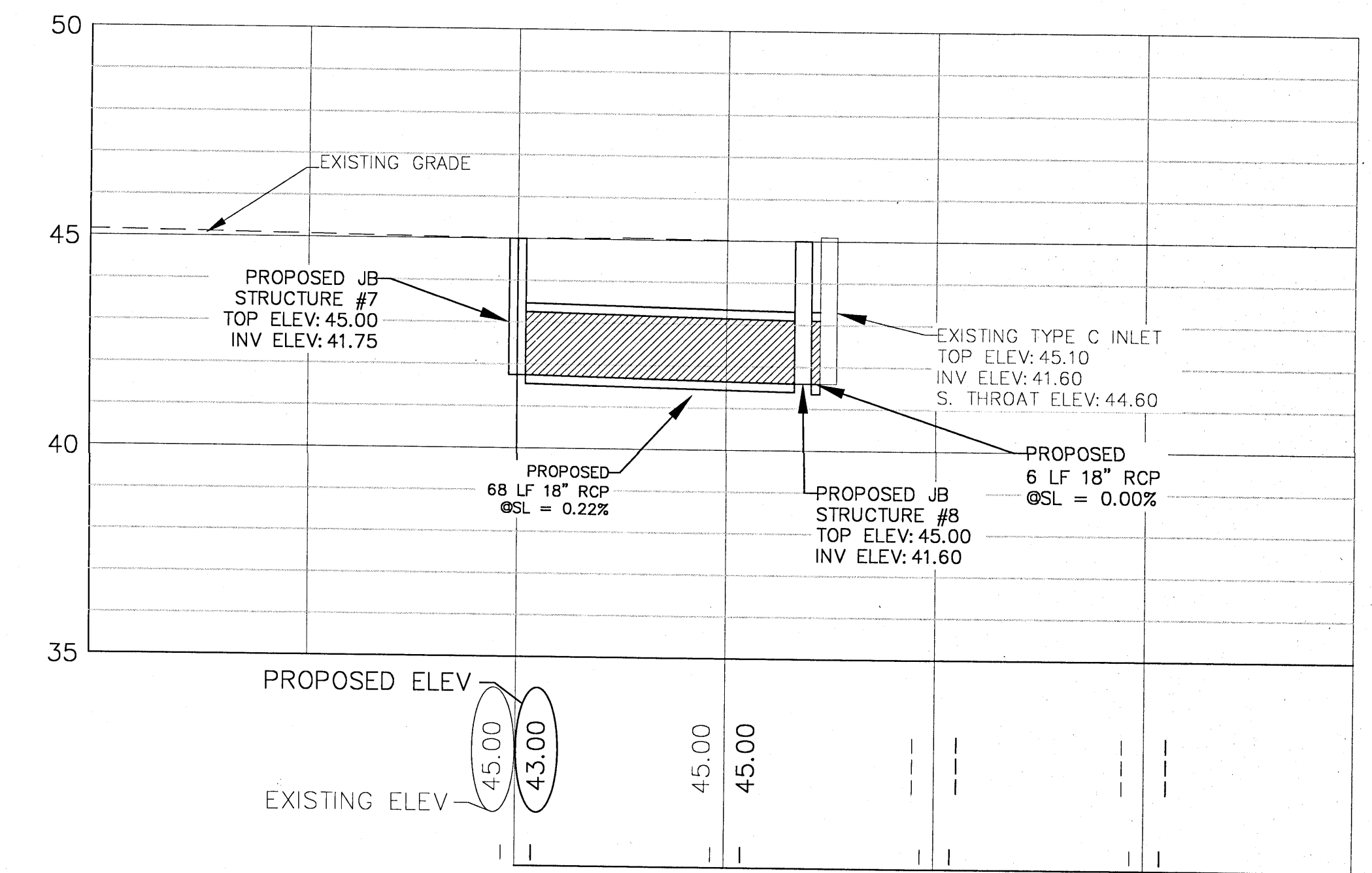
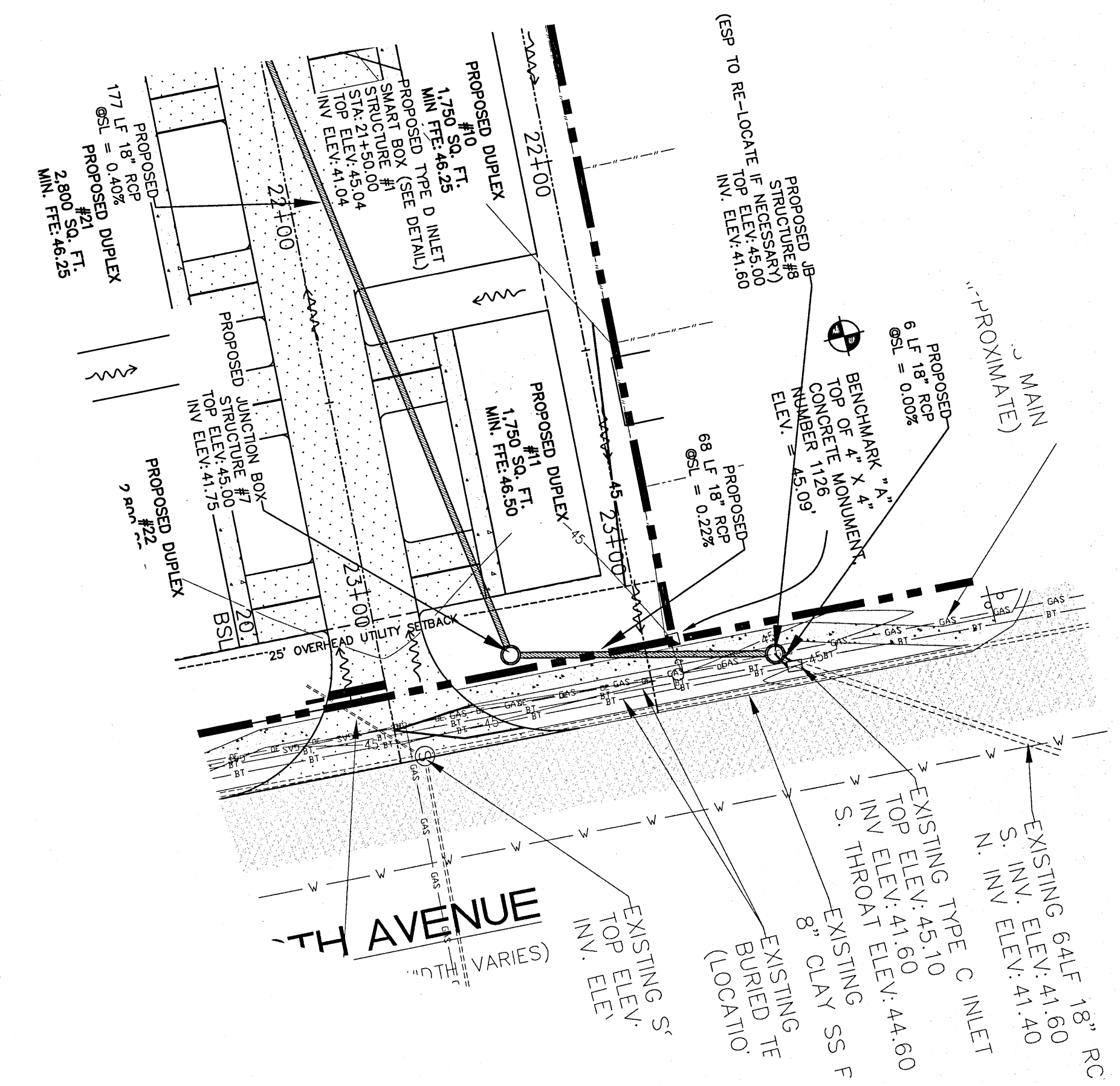
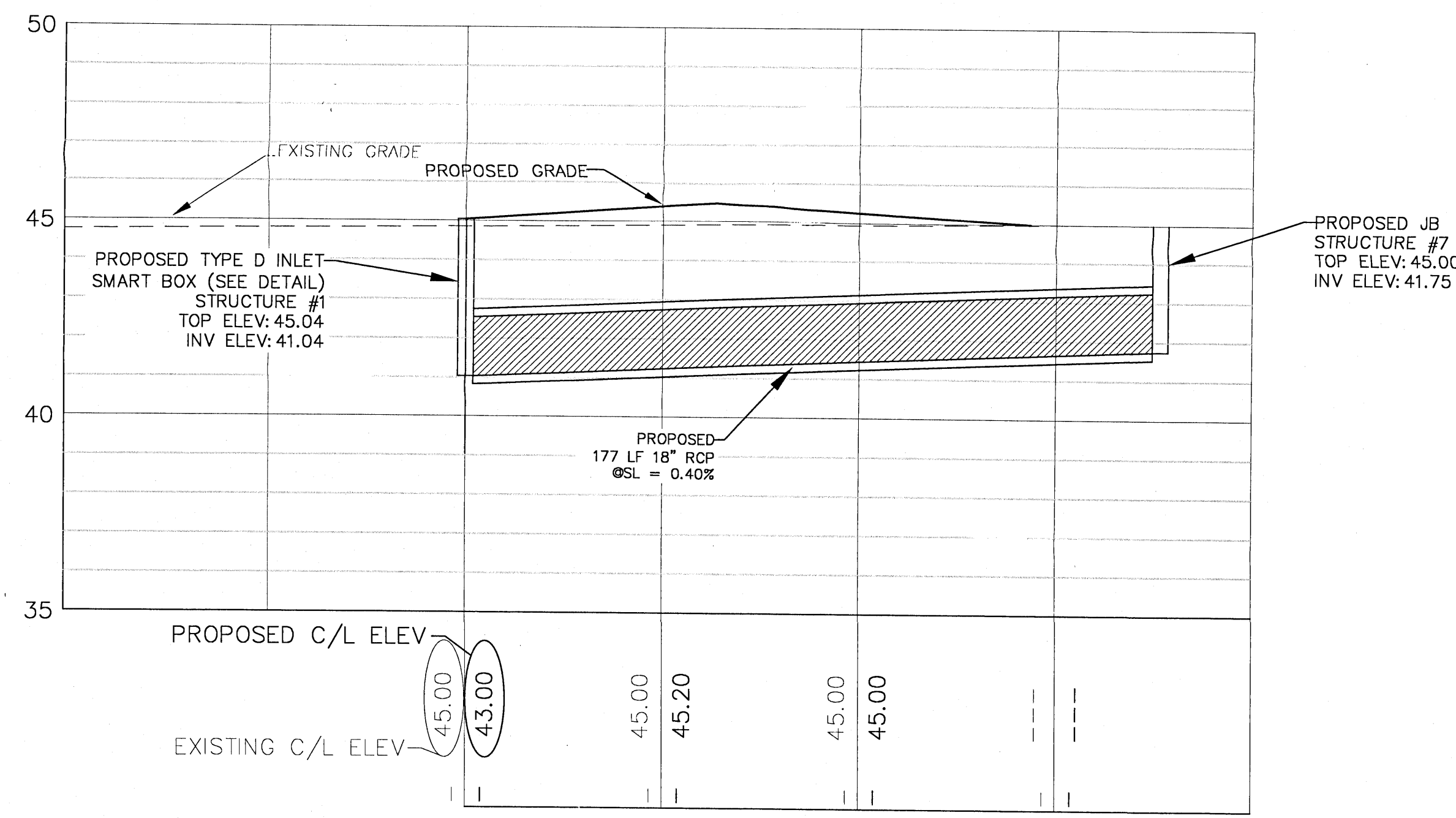
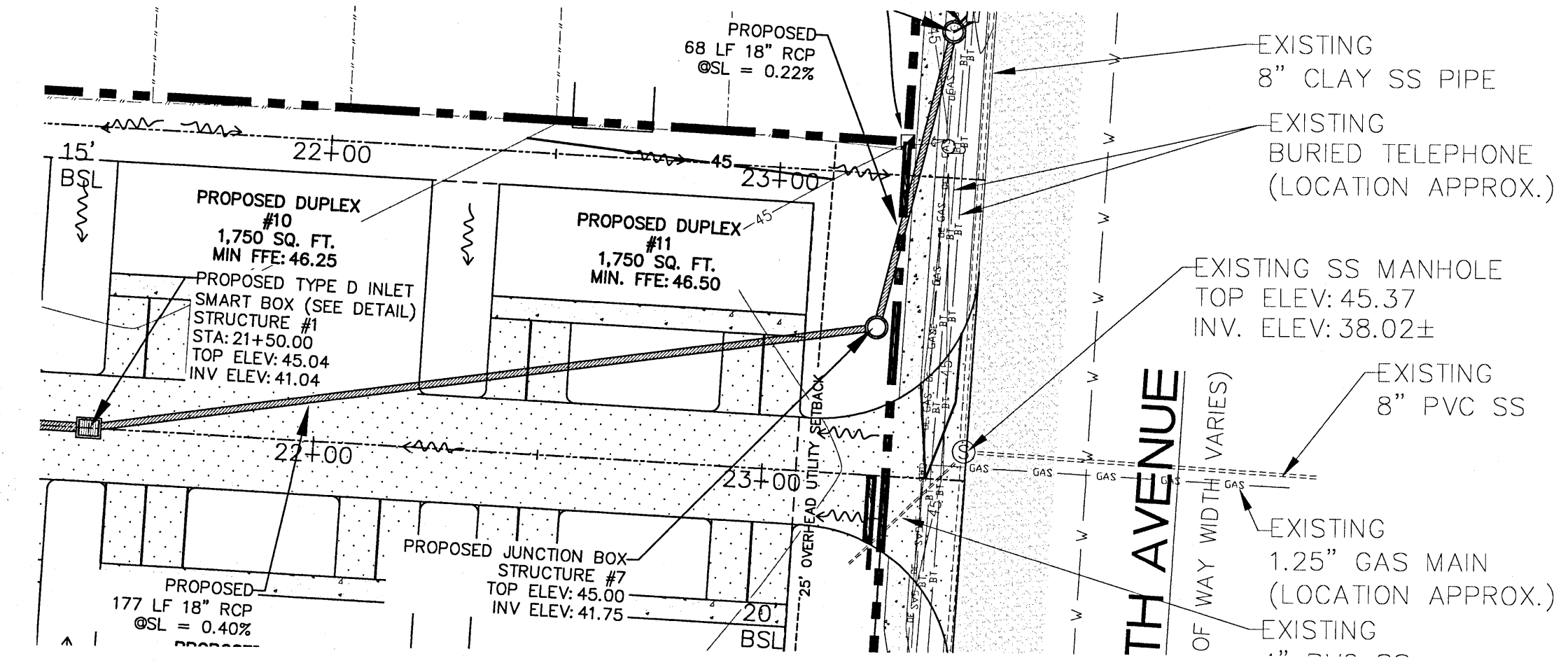
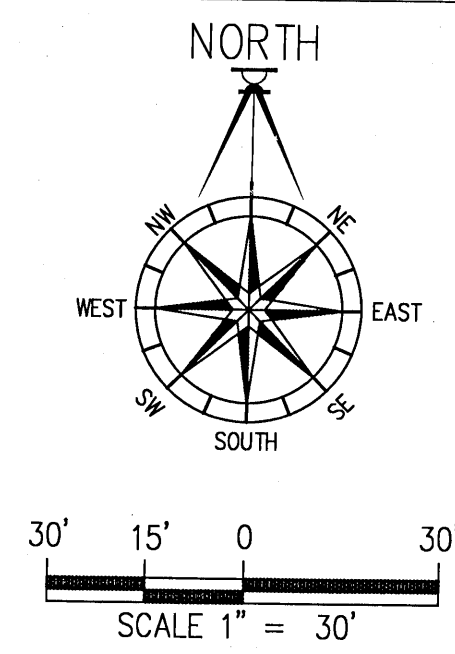
LANDSCAPE PLAN-WEST

DATE	
REVISION	
NUMBER	

DRAWN BY:
B. FEMENT
DESIGNED BY:
D. FITZPATRICK



PLOT
DATE 05/05/21
SHEET: C13 OF C16



DAVID W. FITZPATRICK
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MOREAU DUPLEXES
DISCHARGE PIPE PLAN/PROFILE

NUMBER	REVISION	DATE

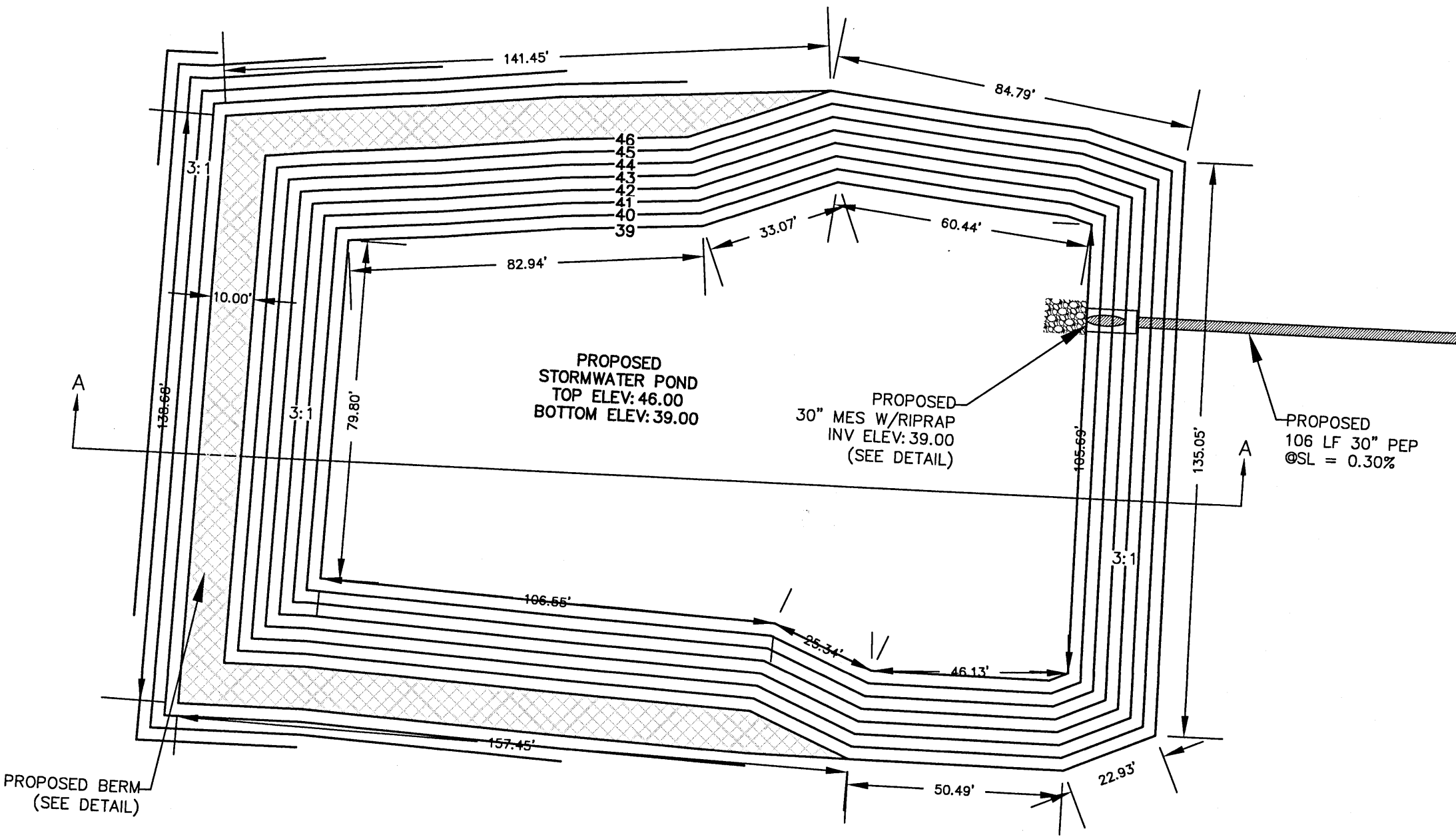
DRAWN BY:
B. PEMENT

DESIGNED BY:
D. FITZPATRICK

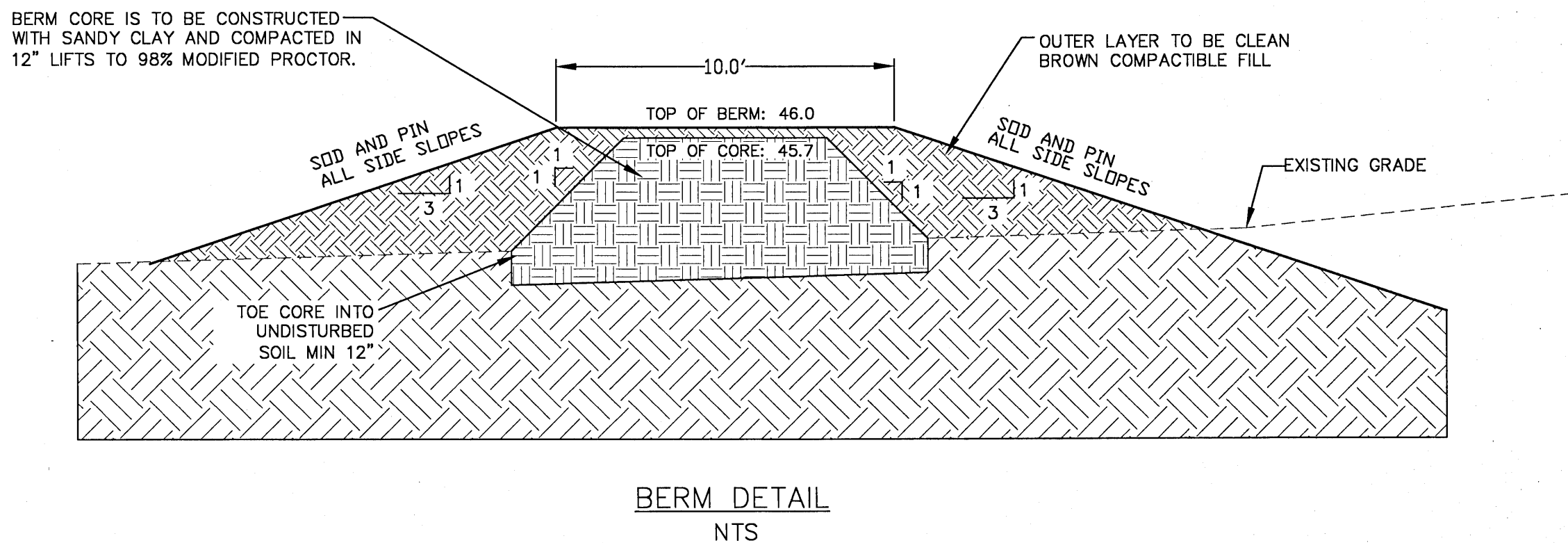
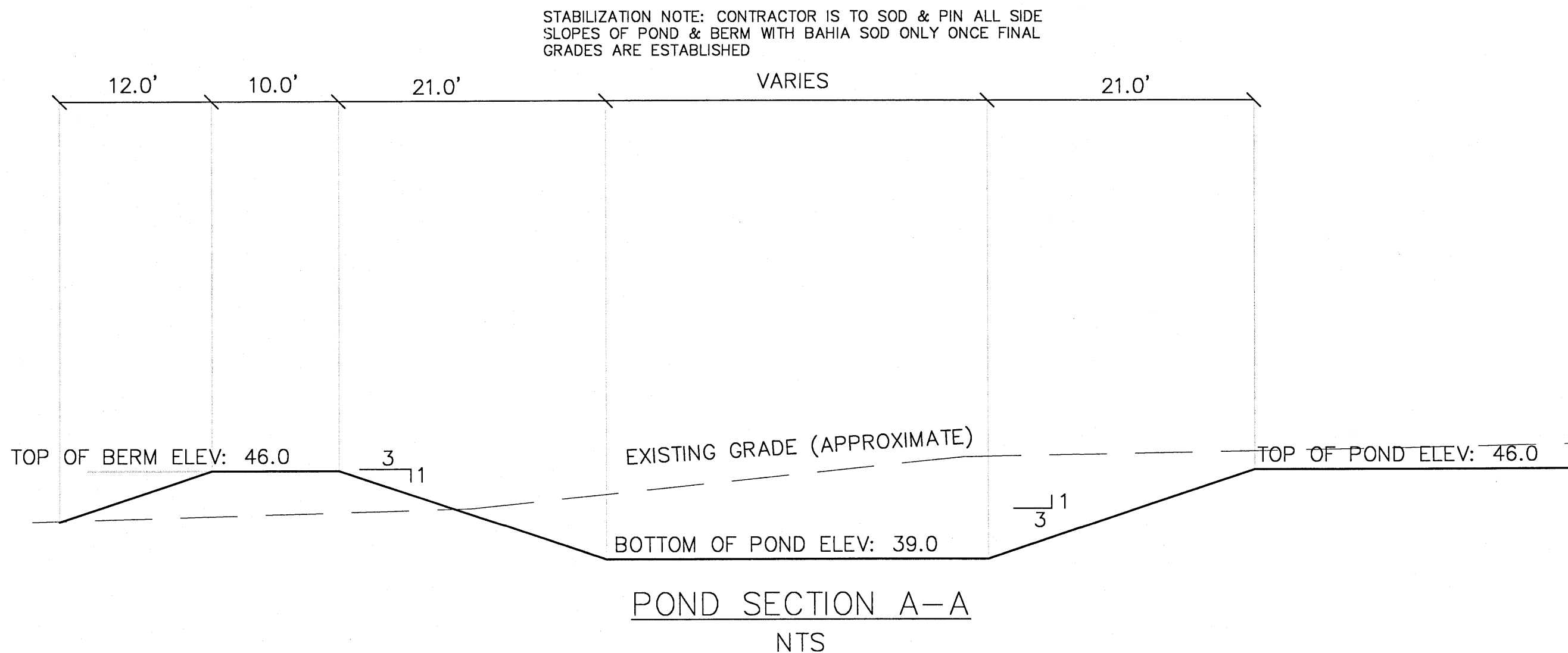
SIGNATURE AND SEAL
DAVID W. FITZPATRICK
No. 47818
6
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
PR. NUMBER 0008423

PLOT DATE 05/05/21

SHEET C14 OF C16



POND DETAIL
1:30



BERM DETAIL
NTS

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MOREAU DUPLEXES

POND DETAILS

[illegible]

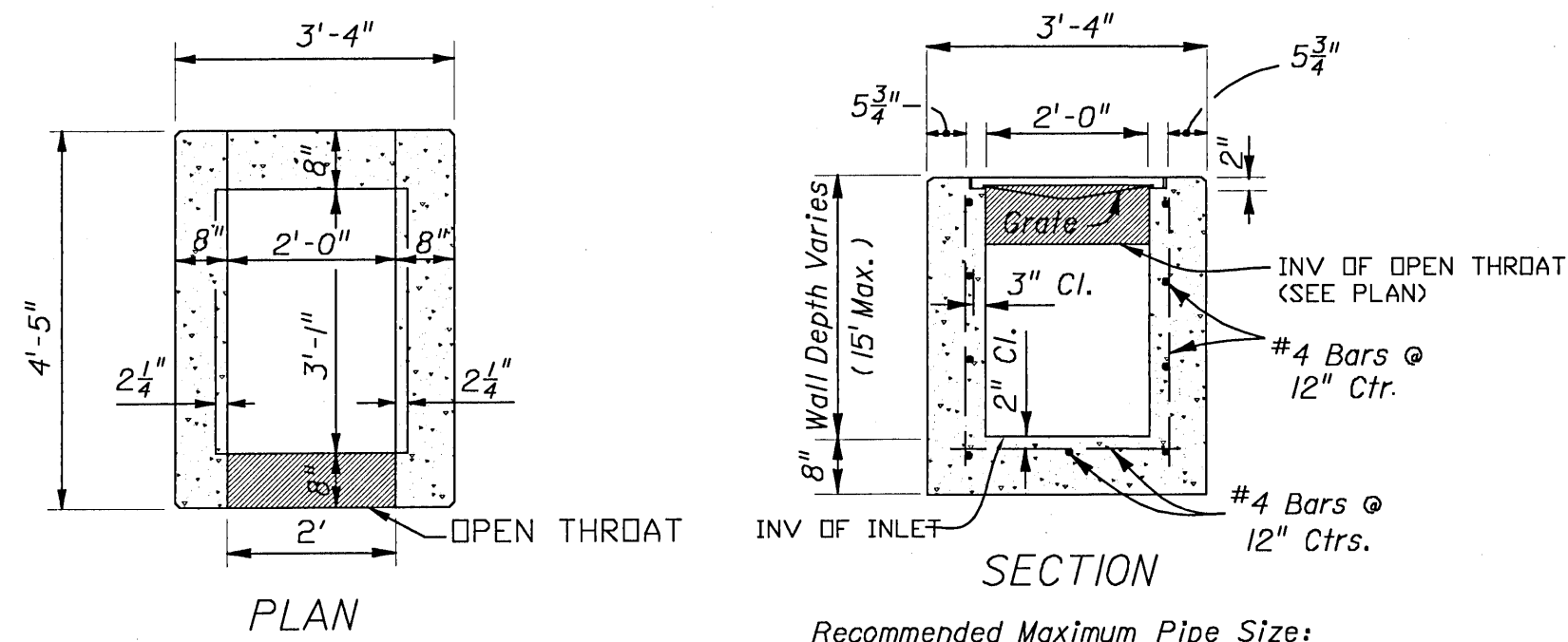
DRAWN BY:
B. PEMENT

DESIGNED BY:
D. FITZPATRICK

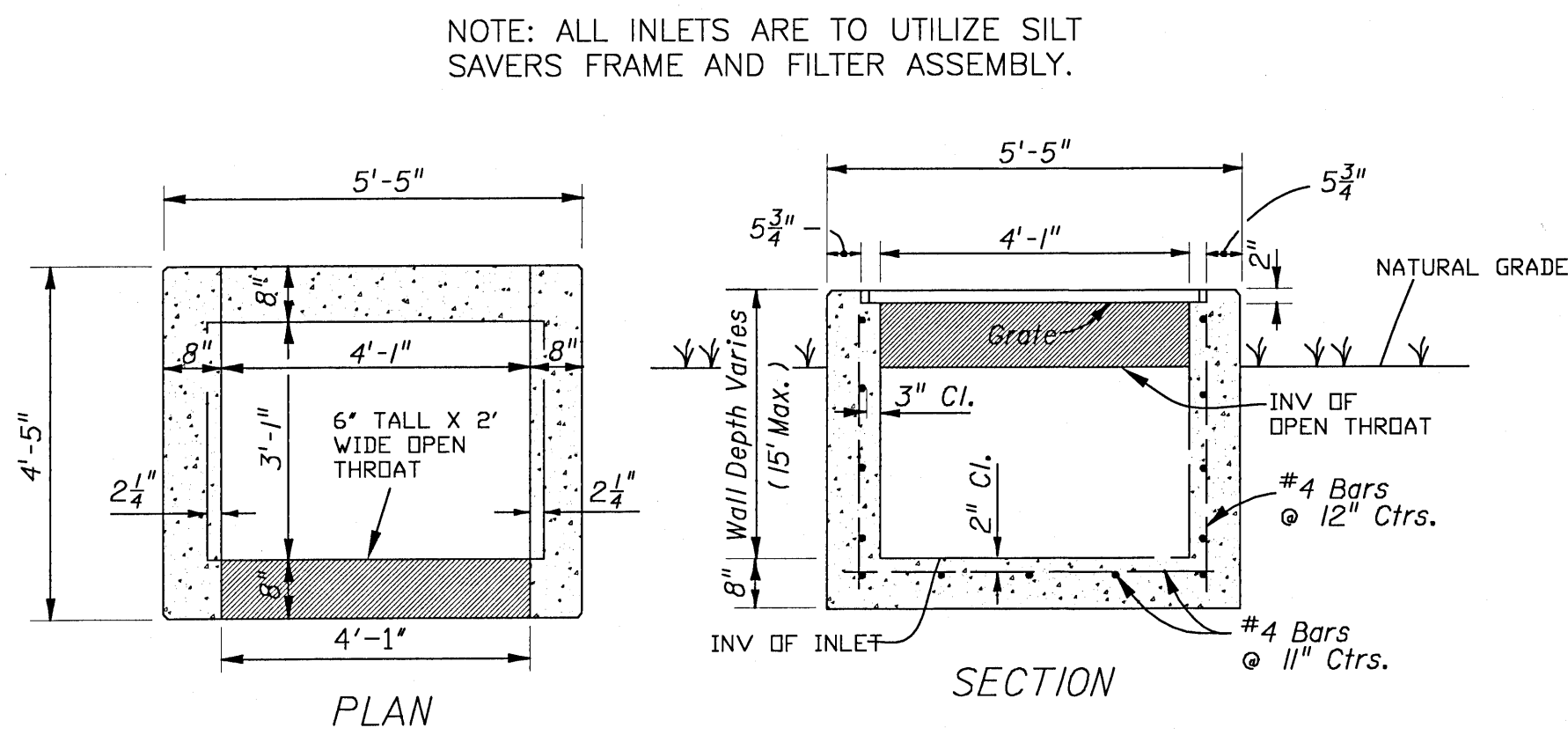
DAVID FITZPATRICK
PROFESSIONAL ENGINEER
FLORIDA
No. 7818
STATE OF
21

PLOT DATE: 05/05/21

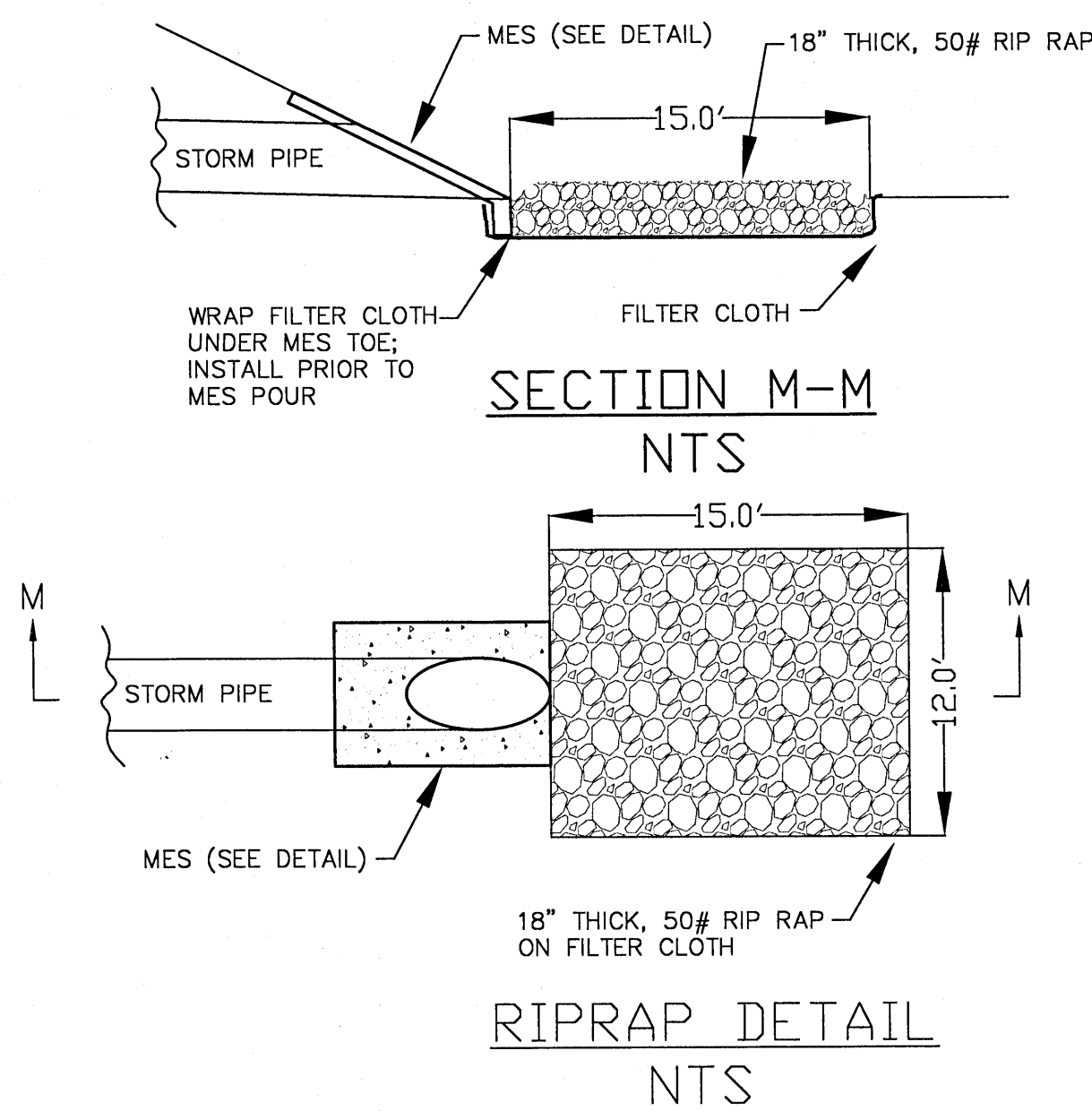
SHEET C15 OF C16



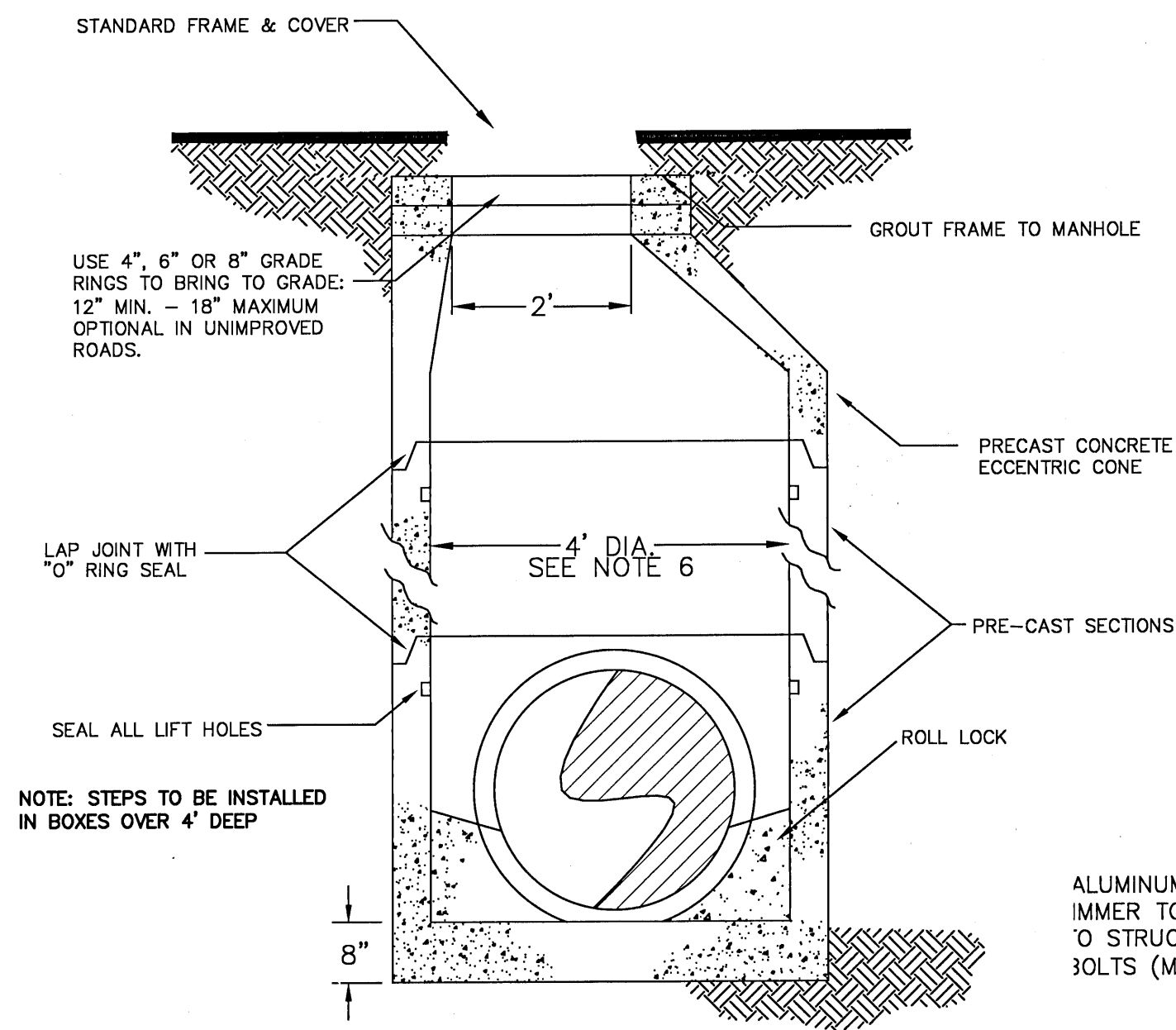
FDOT TYPE-C INLET DETAIL
NTS



FDOT TYPE-D INLET DETAIL
NTS

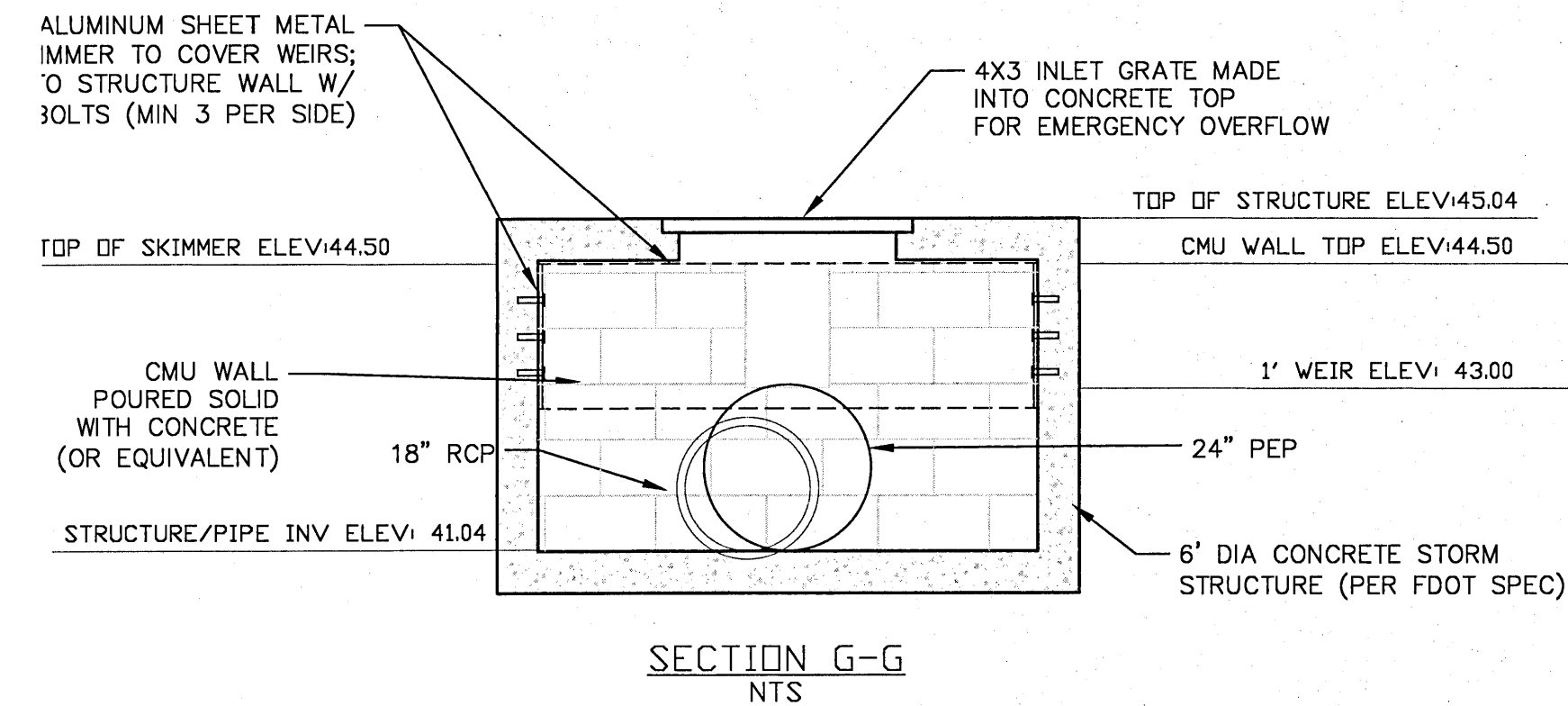
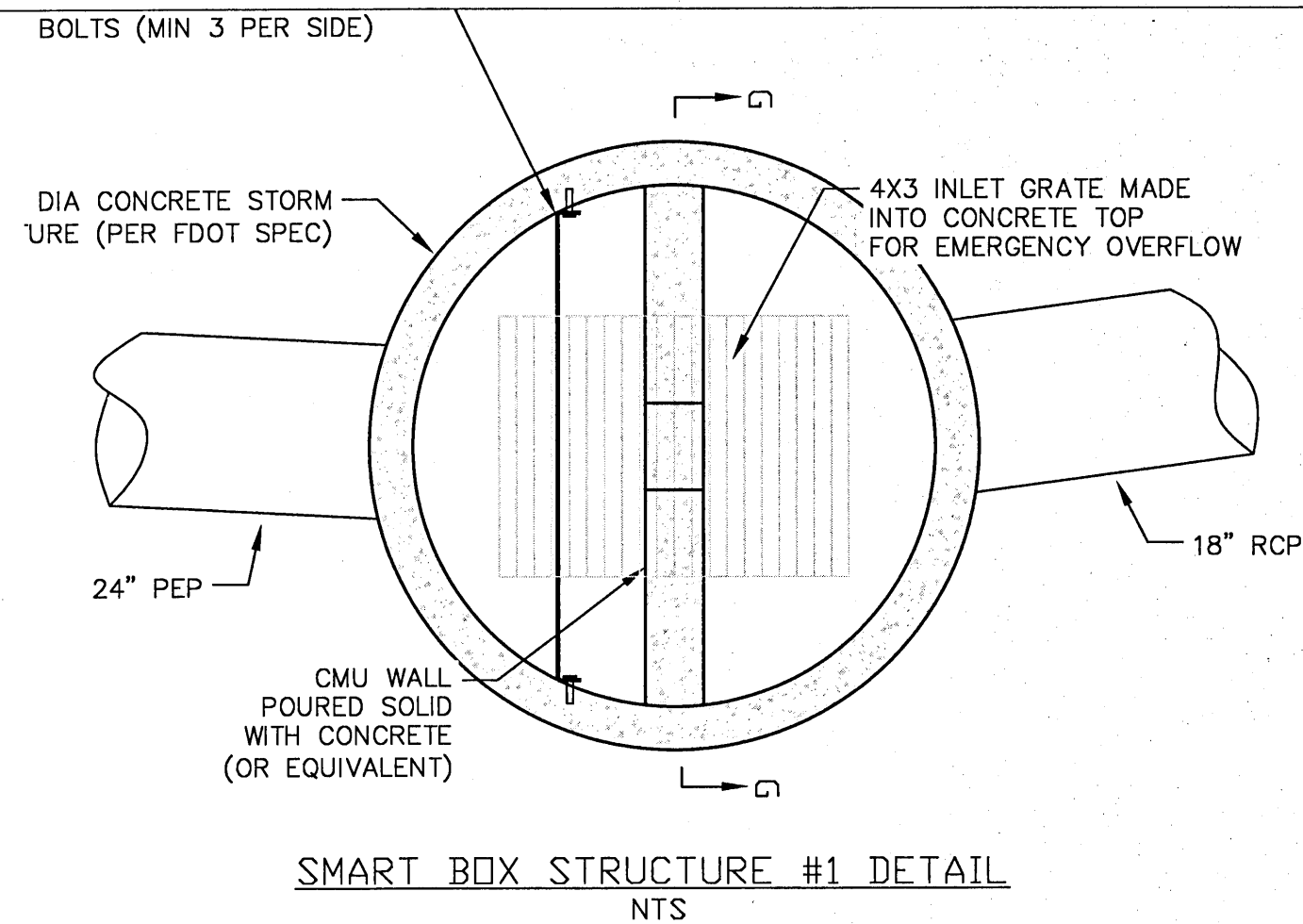
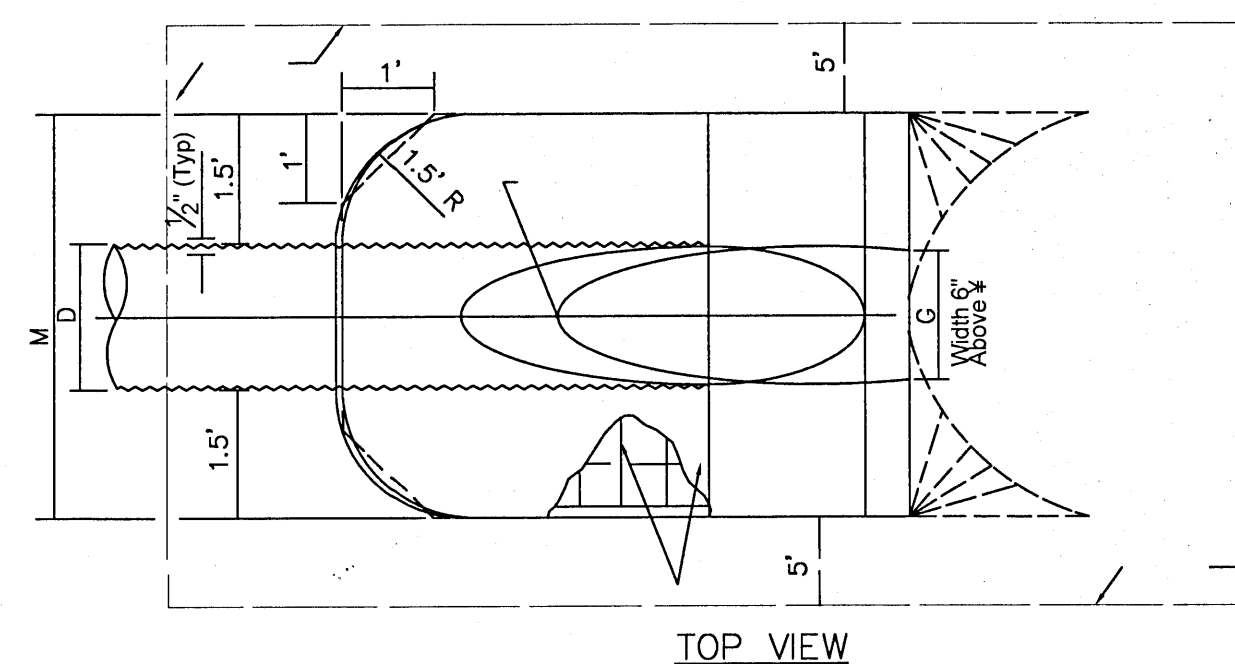
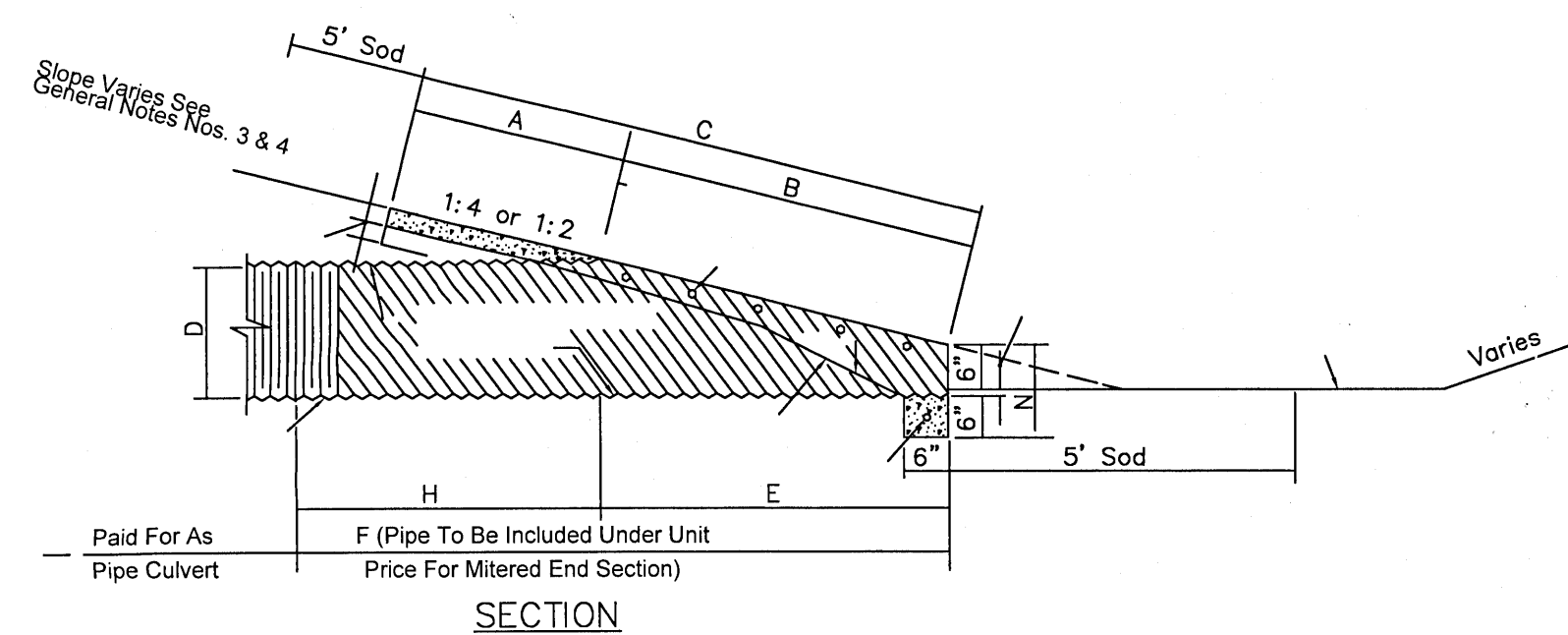


FDOT MES DETAIL
NTS



STANDARD JUNCTION BOX
NTS

- JUNCTION BOX NOTES:
1. MANHOLE SHALL CONFORM TO A.S.T.M. C 478 SPECIFICATIONS.
 2. DIAMETER OF OPENING FOR PIPE SHALL BE 1" LARGER DIAMETER THAN BELL OF THE PIPE BEING USED.
 3. JOINTING COMPOUND SHALL BE RAM NECK, TYPE 1, ROPE FORM PLASTIC GASKET OR EQUAL.
 4. ALL PATCHING TO BE DONE WITH HYDRAULIC CEMENT. NO MORTAR REPAIRS PERMITTED.
 5. CONCRETE TO BE 2500 P.S.I., REINFORCING STEEL TO BE A.S.T.M. A 615 GRADE 60.
 6. FRAME AND COVER SHALL BE VULCAN 1337-2 (ASTM SPEC. A-48, CLASS 30 CAST IRON) OR APPROVED EQUAL. REFER TO SPECIFICATIONS.
 7. CONTRACTOR IS CAUTIONED TO DETERMINE IF A 4' DIAMETER MANHOLE IS LARGE ENOUGH TO CONTAIN SOME OF THE LARGER PIPES OR CONFIGURATIONS. IT MAY BE NECESSARY TO PROVIDE A LARGER DIAMETER JUNCTION BOX. RECTANGULAR JUNCTION BOXES ARE ACCEPTABLE PROVIDED THEY MEET ESCAMBIA COUNTY REQUIREMENTS AND FDOT SPEC.
 8. NO CONCRETE BLOCK ALLOWED IN INLETS/MANHOLE.
 9. PIPE CONNECTIONS TO STRUCTURES TO INCLUDE CONCRETE COLLARS.



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MOREAU DUPLEXES
DRAINAGE DETAILS

MES DIMENSIONS AND QUANTITIES																								
	D	X	A	B	C	E	F	G	H ?	M				N	5½" CONCRETE SLAB (CY)				SODDING (SY)					
										Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe		Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe	Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe		
1:2 Slope	15"	2'-7"	2.5'	1.68'	4.18'	1.5'	5.0'	1.23'	3.5'	4.33'	6.92'	9.50'	12.08'	1.04'	0.35	0.54	0.74	0.94	21	24	27	29		
	18"	2'-10"	2.5'	2.24'	4.74'	2.0'	6.0'	1.41'	4'	4.58'	7.42'	10.25'	13.08'	1.04'	0.38	0.62	0.87	1.12	22	25	28	31		
	24"	3'-5"	2.5'	3.35'	5.85'	3.0'	7.0'	1.73'	4'	5.08'	8.50'	11.92'	15.33'	1.04'	0.47	0.76	1.05	1.34	23	27	31	35		
	30"	4'-3"	2.5'	4.47'	6.97'	4.0'	8.0'	2.00'	4'	5.58'	9.83'	14.08'	18.33'	1.04'	0.57	0.96	1.37	1.77	25	30	35	39		
	36"	5'-1"	2.5'	5.59'	8.09'	5.0'	9.0'	2.24'	4'	6.08'	11.17'	16.25'	21.33'	1.04'	0.67	1.19	1.72	2.26	27	33	38	44		
	42"	6'-0"	2.5'	6.71'	9.21'	6.0'	10.0'	2.45'	4'	6.58'	12.58'	18.58'	24.58'	1.04'	0.78	1.48	2.17	2.87	29	36	42	49		
	48"	6'-9"	2.5'	7.83'	10.33'	7.0'	11.0'	2.65'	4'	7.08'	13.83'	20.58'	27.33'	1.04'	0.89	1.71	2.54	3.36	31	38	46	53		
	54"	7'-8"	2.5'	8.94'	11.44'	8.0'	12.0'	2.83'	4'	7.58'	15.25'	22.92'	30.58'	1.04'	1.02	2.06	3.10	4.14	33	41	50	58		
	60"	8'-6"	2.5'	10.06'	12.56'	9.0'	13.0'	3.00'	4'	8.08'	16.58'	25.08'	33.58'	1.04'	1.14	2.38	3.63	4.89	34	44	53	63		
1:4 Slope	15"	2'-7"	2.5'	3.09'	5.59'	3.0'	7.0'	1.23'	4'	4.33'	6.92'	9.50'	12.08'	1.04'	0.44	0.68	0.91	1.15	22	25	28	31		
	18"	2'-10"	2.5'	4.12'	6.62'	4.0'	8.0'	1.41'	4'	4.58'	7.42'	10.25'	13.08'	1.04'	0.49	0.77	1.03	1.31	24	27	30	33		
	24"	3'-5"	2.5'	6.18'	8.68'	6.0'	10.0'	1.73'	4'	5.08'	8.50'	11.92'	15.33'	1.04'	0.65	1.09	1.38	1.77	27	30	34	38		
	30"	4'-3"	2.5'	8.25'	10.75'	8.0'	12.0'	2.00'	4'	5.58'	9.83'	14.08'	18.33'	1.04'	0.81	1.34	1.90	2.44	29	34	39	44		
	36"	5'-1"	2.5'	10.31'	12.81'	10.0'	14.0'	2.24'	4'	6.08'	11.17'	16.25'	21.33'	1.04'	0.97	1.68	2.41	3.14	32	38	44	49		
	42"	6'-0"	2.5'	12.37'	14.87'	12.0'	16.0'	2.45'	4'	6.58'	12.58'	18.58'	24.58'	1.04'	1.13	2.08	3.06	4.02	35	42	48	55		
	48"	6'-9"	2.5'	14.43'	16.93'	14.0'	18.0'	2.65'	4'	7.08'	13.83'	20.58'	27.33'	1.04'	1.29	2.49	3.69	4.88	38	46	53	60		
	54"	7'-8"	2.5'	16.49'	18.99'	16.0'	20.0'	2.83'	4'	7.58'	15.25'	22.92'	30.58'	1.04'	1.48	2.98	4.47	5.98	41	49	58	66		
	60"	8'-6"	2.5'	18.55'	21.05'	18.0'	22.0'	3.00'	4'	8.08'	16.58'	25.08'	33.58'	1.04'	1.66	3.49	5.31	7.13	44	53	63	72		

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PROJECT NUMBER 21-006
PLOT DATE 05/05/21
SHEET C16 OF C16