COTTAGES OF VENICE

PRELIMINARY PLAT

DEVELOPER:

MPS DEVELOPMENT AND CONSTRUCTION, LLC
333 SOUTH TAMIAMI TRAIL, SUITE 205
VENICE, FL. 34285

OWNER:

KEENELAND LLC
333 SOUTH TAMIAMI TRAIL, SUITE 205
VENICE, FL. 34285

CIVIL ENGINEER

PROFESSIONAL ENGINEERING RESOURCES, INC.
10225 ULMERTON ROAD, SUITE 4D
LARGO, FL. 33771 (727) 408-5207

SURVEYOR

STRAYER
742 SHAMROCK BLVD.
VENICE, FL. 34293 (941) 497-1290

LANDSCAPE ARCHITECT

HAZELTINE NURSERIES, INC.
P.O. BOX 236
VENICE, FL. 34292 (941) 485-1272

LEGAL DESCRIPTION :

TRACT 3, OF THE UNRECORDED PLAT OF KENT ACRES, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE WEST 304 FEET OF THE EAST 945 FEET OF THE NORTH 726 FEET OF THAT PART OF SECTION 9, TOWNSHIP 39 SOUTH, RANGE 19 EAST, SARASOTA COUNTY, FLORIDA LYING SOUTH OF THE EXISTING R/W OF VENICE AVENUE EAST; SUBJECT TO AN EASEMENT FOR INGRESS AND EGRESS OVER THE SOUTH 15 FEET THEREOF, RESERVED IN THAT CERTAIN DEED RECORDED IN O.R. BOOK 499, PAGE 562, OF THE PUBLIC RECORDS OF SARASOTA COUNTY, FLORIDA.

LOCATION MAP

SECTION 9 TOWNSHIP 39S RANGE 19E

PARCEL ID NO. = 0412080003
PROPERTY ADDRESS = 1775 EAST VENICE AVE., VENICE FL. 34292

SITE AREA:

SITE AREA = 5.06 AC±

PERCENT AND ACREAGE OF IMPERVIOUS/PERVIOUS AREA:

PERVIOUS =	1.66 AC.±	32.81	%
IMPERVIOUS =	1.82 AC.±	35.97	%
POND =	1.58 AC.±	31.22	%
TOTAL =	5.06 AC.±	100	%

INFRASTRUCTURE IMPROVEMENTS:

LINEAR FEET OF POTABLE WATER SERVICE	= 1,098 FT
LINEAR FEET OF POTABLE WATER MAIN	= 1,329 FT
LINEAR FEET OF SANITARY SEWER LATERAL	= 947 FT
LINEAR FEET OF GRAVITY MAIN	= 973 FT
LINEAR FEET OF FORCE MAIN	= 0 FT
NUMBER OF MANHOLES	= 6 UNITS

CITY OF VENICE TO PROVIDE WATER, SEWER AND SOLID WASTE SERVICES TO THE PROJECT.

NOTES:

1. TREE REMOVAL PERMIT MUST BE OBTAINED FROM THE CITY OF VENICE.
2. "POST-DEVELOPMENT RUNOFF DOES NOT EXCEED PRE-DEVELOPMENT RUNOFF VOLUME OR RATE FOR A 24 HOUR, 25-YEAR STORM EVENT".
3. ALL FIRE SERVICE BACKFLOW ASSEMBLIES SHALL BE INSTALLED BY A CERTIFIED CONTRACTOR WITH A CLASS I, II, OR V CERTIFICATE OF COMPETENCY ISSUED BY THE STATE FIRE MARSHALL AS PER F.S. 633.521
4. CONSTRUCTION SITE INFORMATION MUST BE POSTED WITH 24-HOUR CONTACT INFORMATION
5. PUBLIC IMPROVEMENTS ARE THE 8" WATERMAIN, 12" WATERMAIN, AND 8" GRAVITY SEWER MAIN.
6. PRIVATE IMPROVEMENTS ARE ON-SITE DETENTION PONDS, STORM DRAINAGE SYSTEM PARKING, LANDSCAPING AND IRRIGATION.
7. ALL ON-SITE IMPROVEMENTS SHALL BE CONSTRUCTED TO MEET THE LATEST VERSION OF THE CITY OF VENICE STANDARD DETAILS.
8. ELEVATIONS ARE BASED ON N.A.V.D. 1988

NOTE:
1. A SARASOTA COUNTY RIGHT OF WAY USE PERMIT IS REQUIRED FOR WORK CONDUCTED IN THE EAST VENICE AVE. RIGHT OF WAY.

CITY OF VENICE NOTES

1. ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, SHALL MEET CITY OF VENICE STANDARDS.
2. CONTACT PUBLIC WORKS SOLID WASTE DIVISION (941-486-2422) FOR APPROVAL OF DUMPSTER LOCATION AND LAYOUT PRIOR TO CONSTRUCTION.

UTILITIES

TECO PEOPLES GAS 702 NORTH FRANKLIN STREET P.O. BOX 2562 TAMPA, FL. 33601-2562	FLORIDA POWER & LIGHT CONSTRUCTION SERVICES 5657 SOUTH McINTOSH ROAD SARASOTA, FL 34230	WATER AND SEWER CITY OF VENICE 401 WEST VENICE AVE. VENICE, FL. 34285
VERIZON ENGINEERING 1701 RINGLING BOULEVARD SARASOTA, FL 34230	COMCAST CABLEVISION OF WEST FLORIDA, INC. 5205 FRUITVILLE ROAD SARASOTA, FL 34232	

NO. DATE BY REVISIONS

INDEX :

1. COVER SHEET
2. EXISTING CONDITION PLAN
3. SITE, SIGNAGE AND STRIPING PLAN
3A. SITE, SIGNAGE AND STRIPING PLAN COLOR CODED TO MATCH THE PRELIMINARY PLAT
3B. AERIAL SHOWING SITE, SIGNAGE AND STRIPING PLAN
4. WATER AND SANITARY SEWER PLAN
5. MASTER UTILITY AND TREE REMOVAL PLAN
6. GRADING PLAN
7. DRAINAGE PLAN
8. FIRE TRUCK TURNING MOVEMENT PLAN
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10. SURVEY
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19-24. PAVING, GRADING AND DRAINAGE DETAILS
~~25. CITY OF VENICE PAVING, GRADING AND DRAINAGE DETAILS~~
~~26-27. CITY OF VENICE WATER AND SEWER DETAILS~~

PAUL V. SHERMA, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NUMBER 35628. THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY PAUL V. SHERMA, PE. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES. 10-19-20.

APPROVED

Digitally signed by PAUL V SHERMA
DN: c=US, o=Florida, ou=PROFESSIONAL ENGINEER, email=PER@TAMPABAY.RR.COM, cn=PAUL V SHERMA, PE.
Reason: I agree to the terms defined by the placement of my signature on this document.
Date: 2021.03.18 11:22:52 -04'00'

PAUL V. SHERMA, P.E. FLORIDA REG. No. 35628

PROFESSIONAL ENGINEER
PROFESSIONAL ENGINEERING RESOURCES, INC.
CIVIL ENGINEERS, PLANNERS, PERMIT EXPEDITORS
CERTIFICATE OF AUTHORIZATION NUMBER: 4401

LEGEND

PROPOSED		EXISTING
W	WATER MAIN	W
F	FIRE MAIN	F
RUM	RECLAIM WATER MAIN	RUM
	REDUCER	
	TEMPORARY BLOWOFF	
	FIRE HYDRANT	
	GATE VALVE (G.V. & BOX)	
	FIRE DEPARTMENT CONNECTION	
	DOUBLE CHECK ASSEMBLY	
	WATER METER	
SS	SANITARY SEWER LINE	SS
SSFM	SANITARY SEWER FORCEMAIN	SSFM
	SANITARY SEWER MANHOLE	
	CLEAN OUT	
ST	STORM DRAIN	ST
	ROOF DRAIN	
	GRATE INLET	
	JUNCTION BOX	
	EROSION CONTROL	
	OUTFALL STRUCTURE	
	MITERED END SECTION (M.E.S.)	
TOP TOP TOP	TOP OF BANK	
	FENCE OR WALL	
	EASEMENT OR SETBACK	
	TRAFFIC FLOW ARROW	
	HANDICAP PARKING SPACE	HP
	H.P. OR CHANGE IN GRADE	N/A
UD	UNDERDRAIN	N/A
12.50	ELEVATION	14 x 75
	CONTOUR	9.0
GTE	GTE	GTE
	U.G. ELECTRICAL LINE	P
	GAS MAIN	G
	DETECTABLE WARNING	

CONTRACTOR TO CALL "SUNSHINE 811" AT 811 OR 1-800-432-4770, 48 hrs. PRIOR TO ANY CLEARING OR CONSTRUCTION FOR EXISTING UTILITY LOCATIONS.

NORTH

20 0 30 60
30 10
GRAPHIC SCALE

TREE LEGEND

= ORNAMENTAL TREE (SIZE NOTED)
= PINE TREE (SIZE NOTED)
= OAK TREE (SIZE NOTED)
= PALM TREE (SIZE NOTED)
= CYPRESS TREE (SIZE NOTED)
X = TO BE REMOVED
= TO BE BARRICADED

EXISTING WET POND
EXISTING SPREADER SWALE
EXISTING 8" C.M.P. I.E. = 14.40 S
EXISTING AUTOMATIC FLUSHING DEVICE
EXISTING OUTFALL STRUCTURE W/SKIMMER
EXISTING 2" PVC CURB STOP
EXISTING DRY POND
EXISTING 6' PVC BOXE FENCE
EXISTING INLET GRATE EL. = 12.38 INV. = 6.81
PROPERTY LINE
N00°20'02"W 725.75'(M)
EXISTING DRY POND
EXISTING 4" WOOD RAIL FENCE
EXISTING POWER POLE (TYP)
EXISTING 12'± DIRT ROAD
EXISTING TOP OF BANK±
EXISTING TOP OF BANK±
EXISTING TOE OF SLOPE±
EXISTING POND
RB1138MOD
EXISTING 4' WOOD RAIL FENCE
EXISTING 15' INGRESS/EGRESS EASEMENT
S89°36'10"E 303.96'
KUNZE ROAD
EXISTING TOP OF BANK±
EXISTING TOE OF SLOPE±
EXISTING CONDITION 100 YR PLAIN PLAN AS PER SARASOTA COUNTY ROBERTS BAY WATERSHED MODEL
EXISTING WELL (PLUGGED)
EXISTING POND
EXISTING TOP OF BANK±
EXISTING TOE OF SLOPE±
EXISTING 4" WOOD RAIL FENCE
S00°20'02"E 725.75'(M)
TRACT 2
EXISTING TOE OF SLOPE±
EXISTING TOP OF BANK±
HIGHER AREA
EXISTING ASPHALT DRIVE
EXISTING ASPHALT DRIVE
EXISTING ASPHALT DRIVE
EXISTING POOL
EXISTING DRY POND
EXISTING OUTFALL STRUCTURE WITH SKIMMER
APPROXIMATE LOCATION OF EXISTING BURIED CABLES (TYP)
EXISTING TOP OF BANK±
EDGE OF WATER± EL.=11.8'
EXISTING OUTFALL STRUCTURE & SKIMMER GRATE EL.=13.58' NOTCH EL.=12.05' NOTCH WIDTH = 0.33' INV. =1.59'
EXISTING POND
RB1465MOD
TOP OF BANK±
C/L SWALE
TOP OF BANK±
DITCH
EXISTING 4' WOOD RAIL FENCE
EXISTING 12"x18" RCP
EXISTING 12" x 18" RCP
EXISTING M.E.S. INV. = 10.25
EXISTING S.S.M.H. RIM EL. = 13.35 W. INV. = 4.42 E. INV. = 4.72
EXISTING CONCRETE POWER POLE
EXISTING 12" G.V. & BOX
EXISTING PLUG
EXISTING FIBER OPTIC MARKER
EXISTING CABLE PEDESTAL (TYP)
EXISTING WATER METER AND GATE VALVE
EXISTING 24" PVC RECLAIMED WATERMAIN
EXISTING 4" PVC SSFM
APPROXIMATE LOCATION OF EXISTING BURIED CABLES (TYP)
APPROXIMATE LOCATION OF EXISTING POWER LINE (TYP)
EXISTING M.E.S. INV. = 10.46
EXISTING 12"x18" RCP
EXISTING M.E.S. INV. = 10.01
E. VENICE AVE.
(140' PUBLIC R/W - PAVED)
N89°36'10"W 940.00'(M)
EXISTING CONDITION 100 YR PLAIN PLAN AS PER SARASOTA COUNTY ROBERTS BAY WATERSHED MODEL
EXISTING POWER POLE (TO BE REMOVED OR RELOCATED)
EXIST. E.O.P. MEDIAN

ELEVATION NOTE:

ALL ELEVATIONS SHOWN HEREON ARE BASED ON THE N.A.V.D. 1988 VERTICAL DATUM, UNLESS OTHERWISE SPECIFIED.

ELEVATIONS SHOWN HEREON ARE BASED ON A N.G.S. BENCHMARK #J699, ELEVATION 13.22' (N.A.V.D. 1988)

CLIENT:
MPS DEVELOPMENT AND CONSTRUCTION, LLC
333 S. TAMIAMI TRAIL, SUITE 205
VENICE, FL. 34285

PROJECT NAME: SEC. 9 TWP. 39S RNG. 19E
COTTAGES OF VENICE
EXISTING CONDITION PLAN

PROJECT NUMBER: 18-2382
SCALE: 1"=30'

NO.	DATE	BY	REVISIONS
1	2-11-21	SAG	REVISE PLAN AS PER CITY COMMENTS.

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PROFESSIONAL ENGINEERING RESOURCES, INC.
10225 ULMERTON ROAD, SUITE 4D LARGO, FL. 33771
CIVIL ENGINEERS, PLANNERS, PERMIT EXPEDITORS (727) 408-5207
CERTIFICATE OF AUTHORIZATION NUMBER: 4401

DRAWING TYPE
■ PRELIMINARY
□ CONSTRUCTION
□ RECORD

DESIGNED BY: PVS CHECKED BY: PVS
DRAWN BY: SAG DATE: 10-19-20
PAUL V. SHERMA, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 35628

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APPROVED
PAUL V. SHERMA,REG. NO. 35628

SHEET NUMBER
2

CASSATA PLACE PROJECT (UNDER CONSTRUCTION)

PID:
OWNER: AQUADUCT LLC
LAND USE:

PROPOSED 42" HIGH ALUMINUM FENCE (TYP)

PROPOSED TURN AROUND SPACE WITH "NO PARKING" SIGN

EXISTING SPREADER SWALE

EXISTING 8" G.V.

EXISTING AUTOMATIC FLUSHING DEVICE

EXISTING OUTFALL STRUCTURE W/SKIMMER

EXISTING 3" CURB STOP

EXISTING 6' PVC BEIGE FENCE

TIE 6" HIGH BEIGE PVC FENCE TO EXIST. BEIGE PVC FENCE

EXISTING DRY POND

PROPERTY LINE

N00°20'02"W 725.75'(M)

EXISTING WET POND

EXISTING DRY POND

OUTFALL STRUCTURE WITH SKIMMER

EXISTING POOL

PID: 0412080001
AQUADUCT LLC
LAND USE:

PROPOSED 6' HIGH BEIGE PVC FENCE (TYP).

PROPOSED 48" HIGH GATE

PROPOSED 48" HIGH POOL ALUMINUM FENCE (TYP) (COMMON AREA)

PROPOSED CLUB HOUSE, RESTROOMS, POOL AND POOL DECK

PROPOSED 6' HIGH BEIGE PVC FENCE (TYP)

PROPOSED 42" HIGH ALUMINUM FENCE (TYP)

PROPOSED GATE (TYP)

WET POND "B"

PROPOSED 42" HIGH GATE (TYP)

PROPOSED GARAGE (TYP) (TO BE DESIGNED, PERMITTED AND INSPECTED BY OTHERS)

PROPOSED STREET LIGHT BY FPL (TYP)

PROPOSED FOUNTAIN (TYP)

EXISTING S.S.M.H. RIM EL. = 13.35 W. INV. = 4.43 E. INV. = 4.72

EXISTING CONCRETE POWER POLE

EXISTING 12" G.V. & BOX

EXISTING PLUG

EXISTING FIBER OPTIC MARKER

EXISTING CABLE PEDESTAL (TYP)

EXISTING WATER METER AND GATE VALVE

EXISTING 24" PVC RECLAIMED WATERMAIN

EXISTING 4" PVC SSFM

PID: 0412010005
RANFORTH LTD
LAND USE: COMMERCIAL

APPROXIMATE LOCATION OF EXISTING BURIED CABLES (TYP)

APPROXIMATE LOCATION OF EXISTING POWER LINE (TYP)

PROPOSED LIGHT POLE AND PULL BOX LOCATION

PROPOSED 3' LANDSCAPE BERM

PROPOSED PROJECT SIGN LOCATION

PROPOSED DETECTABLE WARNING (BRICK RED IN COLOR) (TYP)

PROPOSED 24' WIDE DRIVEWAY WITH 25' RADIUS RETURNS

PROPOSED "ONE WAY" SIGN (R6-1R)

PID: 0412010004
VILLA VENEZIA PLAZA INC.
LAND USE: COMMERCIAL

E. VENICE AVE.

EXIST. E.O.P. MEDIAN

EXISTING POWER POLE (TO BE REMOVED OR RELOCATED)

KUNZE ROAD

PID: 0412080005
KEYS CASH WORLD
LAND USE: POTENTIAL ANNEX AREA

EXISTING 15' INGRESS/EGRESS EASEMENT

S89°36'10"E 303.96'

EXISTING 12'± DIRT ROAD

PROPOSED 6' HIGH BEIGE PVC FENCE (TYP)

PROPOSED 42" HIGH ALUMINUM FENCE (TYP)

PROPOSED STREET LIGHT BY FPL (TYP)

PROPOSED DUMPSTER ENCLOSURE (TYP) (TO BE DESIGNED, PERMITTED AND INSPECTED BY OTHERS)

DRY POND "A"

TRACT 2
S00°20'02"E 725.75'(M)

PROPERTY LINE

PID: 0412080002
FNG HOLDINGS — LAND: LLC
LAND USE: POTENTIAL ANNEX AREA

PROPOSED 6' HIGH BEIGE PVC FENCE (TYP)

PROPOSED 42" HIGH ALUMINUM FENCE (TYP)

PROPOSED GARAGE (TYP) (TO BE DESIGNED, PERMITTED AND INSPECTED BY OTHERS)

PROPOSED DUMPSTER ENCLOSURE (TYP) (TO BE DESIGNED, PERMITTED AND INSPECTED BY OTHERS)

PROPOSED 42" HIGH GATE (TYP)

BEGIN PROPOSED 6' HIGH BEIGE PVC FENCE (TYP)

PROPOSED 30 LF OF 3' HIGH BEIGE PVC FENCE

PROPOSED 3' LANDSCAPE BERM

PROPOSED HANDICAP SPACE WITH SIGNING, STRIPING AND WHEEL STOP (TYP)

PROPOSED MAIL BOXES

PROPOSED 5' WIDE CONCRETE SIDEWALK (TYP)

PROPOSED STEPS (TYP)

PROPOSED STOP SIGN AND 24" WIDE WHITE STOP BAR (TYP)

PROPOSED 20' VISIBILITY TRIANGLE (TYP)

LEGEND

PROPOSED		EXISTING
W	WATER MAIN	W
F	FIRE MAIN	F
RUM	RECLAIM WATER MAIN	RUM
	REDUCER	
	TEMPORARY BLOWOFF	
	FIRE HYDRANT	
	GATE VALVE (G.V. & BOX)	
	FIRE DEPARTMENT CONNECTION	
	DOUBLE CHECK ASSEMBLY	
	WATER METER	
SS	SANITARY SEWER LINE	SS
SSFM	SANITARY SEWER FORCEMAIN	SSFM
	SANITARY SEWER MANHOLE	
	CLEAN OUT	
SD	STORM DRAIN	SD
	ROOF DRAIN	
	GRATE INLET	
	JUNCTION BOX	
	EROSION CONTROL	
	OUTFALL STRUCTURE	
	MITERED END SECTION (M.E.S.)	
TOP TOP TOP	TOP OF BANK	
	FENCE OR WALL	
	EASEMENT OR SETBACK	
	TRAFFIC FLOW ARROW	
	HANDICAP PARKING SPACE	HC
	H.P. OR CHANGE IN GRADE	N/A
UD	UNDERDRAIN	N/A
12.50	ELEVATION	14 x 75
	CONTOUR	9.0
GTE	GTE	GTE
	U.G. ELECTRICAL LINE	P
	GAS MAIN	G
	DETECTABLE WARNING	

CONTRACTOR TO CALL "SUNSHINE 811" AT 811 OR 1-800-432-4770, 48 hrs. PRIOR TO ANY CLEARING OR CONSTRUCTION FOR EXISTING UTILITY LOCATIONS.

NORTH

20 0 30 60
30 10
GRAPHIC SCALE

TREE LEGEND

= ORNAMENTAL TREE (SIZE NOTED)
= PINE TREE (SIZE NOTED)
= OAK TREE (SIZE NOTED)
= PALM TREE (SIZE NOTED)
= CYPRESS TREE (SIZE NOTED)
X = TO BE REMOVED
= TO BE BARRICADED

SITE DATA

PROPOSED USE = 36 UNITS
SINGLE FAMILY ATTACHED
ZONING = RMF-2 / VENETIAN GATEWAY DISTRICT OVERLAY

PARCEL ID NUMBER = 0412080003
SITE ADDRESS = 1775 EAST VENICE AVE
OPEN SPACE = 2.09 AC.± = 41.3%

DRY POND AREA (ON-SITE) = 0.42 AC.±
WET POND AREA (ON-SITE) = 1.02 AC.±
TOTAL SITE AREA = 5.06 AC.±

CITY OF VENICE REQUIRED RMF-2 SETBACKS :

FRONT	=	20'
REAR	=	10'
SIDE	=	6' MIN
SIDE	=	15' COMBINED

CITY OF VENICE OTHER STRUCTURE REQUIRED SETBACKS :

FRONT	=	20'
REAR	=	10'
SIDE	=	8'
SIDE (COMBINED)	=	18'

PROPOSED SETBACKS :

FRONT	=	SEE TABLE – SHEET 15
REAR	=	SEE TABLE – SHEET 15
SIDE	=	SEE TABLE – SHEET 15

CITY OF VENICE REQUIRED LOT COVERAGE

SINGLE FAMILY LOT
ALLOWABLE LOT COVERAGE = 35%

GARAGE/CLUB HOUSE
ALLOWABLE LOT COVERAGE = 30%

PROPOSED LOT COVERAGE:
SEE TABLE – SHEET 15

PROPOSED DENSITY:
36 UNITS/5.06 AC.± = 7.1 UNITS PER AC.

REQUIRED PARKING SPACES
2 SPACES / UNIT x 36 UNITS = 72 SPACES

PROPOSED PARKING SPACES

STANDARD 90° SPACES	=	0
PARALLEL SPACES	=	36
HANDICAP SPACES	=	3
GARAGE SPACES	=	36
TOTAL	=	75

FENCE LEGEND

CHAIN LINK FENCE
PVC FENCE
ALUMINUM FENCE

CLIENT:
MPS DEVELOPMENT AND CONSTRUCTION, LLC
333 S. TAMIAMI TRAIL, SUITE 205
VENICE, FL. 34285

PROJECT NAME: SEC. 9 TWP. 39S RNG. 19E

COTTAGES OF VENICE

SITE, SIGNAGE AND STRIPING PLAN

PROJECT NUMBER: 18-2382
SCALE: 1"=30'

NO.	DATE	BY	REVISIONS
3	5-17-21	SAG	REVISED AS PER OWNER'S REQUEST.
2	4-23-21	SAG	REVISED AS PER CITY COMMENTS.
1	3-12-21	SAG	REVISED AS PER CITY COMMENTS.

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PROFESSIONAL ENGINEERING RESOURCES, INC.
10225 ULMERTON ROAD, SUITE 4D LARGO, FL. 33771
CIVIL ENGINEERS, PLANNERS, PERMIT EXPEDITORS (727) 498-5207
CERTIFICATE OF AUTHORIZATION NUMBER: 4401

DRAWING TYPE
■ PRELIMINARY
□ CONSTRUCTION
□ RECORD

DESIGNED BY: PVS CHECKED BY: PVS
DRAWN BY: SAG DATE: 10-19-20

PAUL V. SHERMA, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 35628

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APPROVED

PAUL V. SHERMA,REG. NO. 35628

SHEET NUMBER: 3

CASSATA PLACE PROJECT (UNDER CONSTRUCTION)

PID:
OWNER: AQUADUCT LLC
LAND USE:

PROPOSED 42" HIGH ALUMINUM FENCE (TYP)

PROPOSED TURN AROUND SPACE WITH "NO PARKING" SIGN

EXISTING SPREADER SWALE

EXISTING 8" G.V.

EXISTING AUTOMATIC FLUSHING DEVICE

EXISTING OUTFALL STRUCTURE W/SKIMMER

EXISTING 3" CURB STOP

TIE 6" HIGH BEIGE PVC FENCE TO EXIST. BEIGE PVC FENCE

EXISTING 6' PVC BEIGE FENCE

EXISTING DRY POND

PROPERTY LINE

N00°20'02"W 725.75'(M)

EXISTING WET POND

EXISTING DRY POND

OUTFALL STRUCTURE WITH SKIMMER

EXISTING POOL

PID: 0412080001
AQUADUCT LLC
LAND USE:

EXISTING S.S.M.H.
RIM EL. = 13.35
W. INV. = 4.43
E. INV. = 4.72

EXISTING CONCRETE POWER POLE

EXISTING 12" G.V. & BOX
EXISTING PLUG

EXISTING FIBER OPTIC MARKER

EXISTING CABLE PEDESTAL (TYP)

EXISTING WATER METER AND GATE VALVE

EXISTING 24" PVC RECLAIMED WATERMAIN

EXISTING 4" PVC SSFM

PID: 0412010005
RAINFORTH LTD
LAND USE: COMMERCIAL

PROPOSED 6' HIGH BEIGE PVC FENCE (TYP)

PROPOSED GATE (TYP)

PROPOSED 48" HIGH GATE

PROPOSED 48" HIGH POOL ALUMINUM FENCE (TYP) (COMMON AREA)

PROPOSED CLUB HOUSE, RESTROOMS, POOL AND POOL DECK

PROPOSED 42" HIGH ALUMINUM FENCE (TYP)

PROPOSED GATE (TYP)

PROPOSED 6' HIGH BEIGE PVC FENCE (TYP)

PROPOSED 42" HIGH ALUMINUM FENCE (TYP)

PROPOSED GATE (TYP)

PROPOSED GARAGE (TYP) (TO BE DESIGNED, PERMITTED AND INSPECTED BY OTHERS)

PROPOSED STREET LIGHT BY FPL (TYP)

PROPOSED STREET LIGHT BY FPL (TYP)

PROPOSED HANDICAP SPACE WITH SIGNING, STRIPING AND WHEEL STOP (TYP)

PROPOSED MAIL BOXES

PROPOSED 5' WIDE CONCRETE SIDEWALK (TYP)

PROPOSED STEPS (TYP)

PROPOSED 5' WIDE CONCRETE SIDEWALK (TYP)

PROPOSED STOP SIGN AND 24" WIDE WHITE STOP BAR (TYP)

PROPOSED 20' VISIBILITY TRIANGLE (TYP)

PROPOSED FOUNTAIN (TYP)

PROPOSED LIGHT POLE AND PULL BOX LOCATION

PROPOSED 3' LANDSCAPE BERM

PROPOSED PROJECT SIGN LOCATION

PROPOSED DETECTABLE WARNING (BRICK RED IN COLOR) (TYP)

PROPOSED 24' WIDE DRIVEWAY WITH 25' RADIUS RETURNS

PROPOSED "ONE WAY" SIGN (R6-1R)

PID: 0412010004
VILLA VENEZIA PLAZA INC.
LAND USE: COMMERCIAL

APPROXIMATE LOCATION OF EXISTING BURIED CABLES (TYP)

APPROXIMATE LOCATION OF EXISTING POWER LINE (TYP)

EXISTING POWER POLE (TO BE REMOVED OR RELOCATED)

EXIST. E.O.P. MEDIAN

PROPOSED 3' LANDSCAPE BERM

PROPOSED 42" HIGH ALUMINUM FENCE (TYP)

PROPOSED 42" HIGH GATE (TYP)

BEGIN PROPOSED 6' HIGH BEIGE PVC FENCE (TYP)

PROPOSED 30 LF OF 3' HIGH BEIGE PVC FENCE

PROPOSED GARAGE (TYP) (TO BE DESIGNED, PERMITTED AND INSPECTED BY OTHERS)

PROPOSED DUMPSTER ENCLOSURE (TYP) (TO BE DESIGNED, PERMITTED AND INSPECTED BY OTHERS)

PROPOSED 6' HIGH BEIGE PVC FENCE (TYP)

PROPOSED 42" HIGH ALUMINUM FENCE (TYP)

PROPOSED STREET LIGHT BY FPL (TYP)

PROPOSED DUMPSTER ENCLOSURE (TYP) (TO BE DESIGNED, PERMITTED AND INSPECTED BY OTHERS)

PROPOSED 6' HIGH BEIGE PVC FENCE (TYP)

PROPOSED 42" HIGH ALUMINUM FENCE (TYP)

PROPOSED GATE (TYP)

PROPOSED 6' HIGH BEIGE PVC FENCE (TYP)

PROPOSED GARAGE (TYP) (TO BE DESIGNED, PERMITTED AND INSPECTED BY OTHERS)

WET POND "B"

DRY POND "A"

TRACT 2
S00°20'02"E 725.75'(M)

PROPERTY LINE

PID: 0412080002
FWD HOLDINGS – LAND, LLC.
LAND USE: POTENTIAL ANNEX AREA

KUNZE ROAD

EXISTING 12'± DIRT ROAD

EXISTING 15' INGRESS/EGRESS EASEMENT

S89°36'10"E 303.96'

PID: 0412080003
MPS DEVELOPMENT AND CONSTRUCTION, LLC
LAND USE: POTENTIAL ANNEX AREA

E. VENICE AVE.

EXISTING 12'± DIRT ROAD

UTILITY EASEMENT

DRAINAGE EASEMENT

POND/LANDSCAPING/SWALE/DRAINAGE

INGRESS/EGRESS/DRAINAGE/UTILITY/ PARKING/SIDEWALK

POOL/DECK AREA/ CLUBHOUSE/SIDEWALK

INGRESS/EGRESS/DRAINAGE/PARKING/ SIDEWALK EASEMENT

LEGEND

PROPOSED		EXISTING
W	WATER MAIN	W
F	FIRE MAIN	F
RUM	RECLAIM WATER MAIN	RUM
	REDUCER	
	TEMPORARY BLOWOFF	
	FIRE HYDRANT	
	GATE VALVE (G.V. & BOX)	
	FIRE DEPARTMENT CONNECTION	
	DOUBLE CHECK ASSEMBLY	
	WATER METER	
SS	SANITARY SEWER LINE	SS
SSFM	SANITARY SEWER FORCEMAIN	SSFM
	SANITARY SEWER MANHOLE	
	CLEAN OUT	
STORM	STORM DRAIN	STORM
	ROOF DRAIN	
	GRATE INLET	
	JUNCTION BOX	
	EROSION CONTROL	
	OUTFALL STRUCTURE	
	MITERED END SECTION (M.E.S.)	
TOP	TOP OF BANK	TOP
	FENCE OR WALL	
	EASEMENT OR SETBACK	
	TRAFFIC FLOW ARROW	
	HANDICAP PARKING SPACE	
	H.P. OR CHANGE IN GRADE	N/A
UD	UNDERDRAIN	N/A
12.50	ELEVATION	14 x 75
	CONTOUR	9.0
GTE	GTE	GTE
	U.G. ELECTRICAL LINE	P
	GAS MAIN	G
	DETECTABLE WARNING	

CONTRACTOR TO CALL "SUNSHINE 811" AT 811 OR 1-800-432-4770, 48 hrs. PRIOR TO ANY CLEARING OR CONSTRUCTION FOR EXISTING UTILITY LOCATIONS.

NORTH

20 0 30 60
30 10
GRAPHIC SCALE

TREE LEGEND

= ORNAMENTAL TREE (SIZE NOTED)
= PINE TREE (SIZE NOTED)
= OAK TREE (SIZE NOTED)
= PALM TREE (SIZE NOTED)
= CYPRESS TREE (SIZE NOTED)
X = TO BE REMOVED
= TO BE BARRICADED

SITE DATA

PROPOSED USE = 36 UNITS
SINGLE FAMILY ATTACHED
ZONING = RMF-2 / VENETIAN GATEWAY DISTRICT OVERLAY

PARCEL ID NUMBER = 0412080003
SITE ADDRESS = 1775 EAST VENICE AVE
OPEN SPACE = 2.09 AC.± = 41.3%

DRY POND AREA (ON-SITE) = 0.42 AC.±
WET POND AREA (ON-SITE) = 1.02 AC.±
TOTAL SITE AREA = 5.06 AC.±

CITY OF VENICE REQUIRED RMF-2 SETBACKS :

FRONT	=	20'
REAR	=	10'
SIDE	=	6' MIN
SIDE	=	15' COMBINED

CITY OF VENICE OTHER STRUCTURE REQUIRED SETBACKS :

FRONT	=	20'
REAR	=	10'
SIDE	=	8'
SIDE (COMBINED)	=	18'

PROPOSED SETBACKS :

FRONT	=	SEE TABLE – SHEET 15
REAR	=	SEE TABLE – SHEET 15
SIDE	=	SEE TABLE – SHEET 15

CITY OF VENICE REQUIRED LOT COVERAGE

SINGLE FAMILY LOT
ALLOWABLE LOT COVERAGE = 35%

GARAGE/CLUB HOUSE = 30%
ALLOWABLE LOT COVERAGE

PROPOSED LOT COVERAGE:

SEE TABLE – SHEET 15

PROPOSED DENSITY:

36 UNITS/5.06 AC.± = 7.1 UNITS PER AC.

REQUIRED PARKING SPACES

2 SPACES / UNIT x 36 UNITS = 72 SPACES

PROPOSED PARKING SPACES

STANDARD 90° SPACES	=	0
PARALLEL SPACES	=	36
HANDICAP SPACES	=	3
GARAGE SPACES	=	36
TOTAL	=	75

FENCE LEGEND

CHAIN LINK FENCE
PVC FENCE
ALUMINUM FENCE

CLIENT:

MPS DEVELOPMENT AND CONSTRUCTION, LLC
333 S. TAMIAMI TRAIL, SUITE 205
VENICE, FL. 34285

PROJECT NAME: SEC. 9 TWP. 39S RNG. 19E

COTTAGES OF VENICE
SITE, SIGNAGE AND STRIPING PLAN
COLOR CODED TO MATCH THE PRELIMINARY PLAT

PROJECT NUMBER: 18-2382

SCALE: 1"=30'

NO.	DATE	BY	REVISIONS
3	5-17-21	SAG	REVISED AS PER OWNER'S REQUEST.
2	4-23-21	SAG	REVISED AS PER CITY COMMENTS.
1	3-12-21	SAG	REVISED AS PER CITY COMMENTS.

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PROFESSIONAL ENGINEERING RESOURCES, INC.
10225 ULMERTON ROAD, SUITE 4D LARGO, FL. 33771
CIVIL ENGINEERS, PLANNERS, PERMIT EXPEDITORS (727) 408-5207
CERTIFICATE OF AUTHORIZATION NUMBER: 4401

DRAWING TYPE
■ PRELIMINARY
□ CONSTRUCTION
□ RECORD

DESIGNED BY: PVS CHECKED BY: PVS
DRAWN BY: SAG DATE: 10-19-20

PAUL V. SHERMA, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 35628

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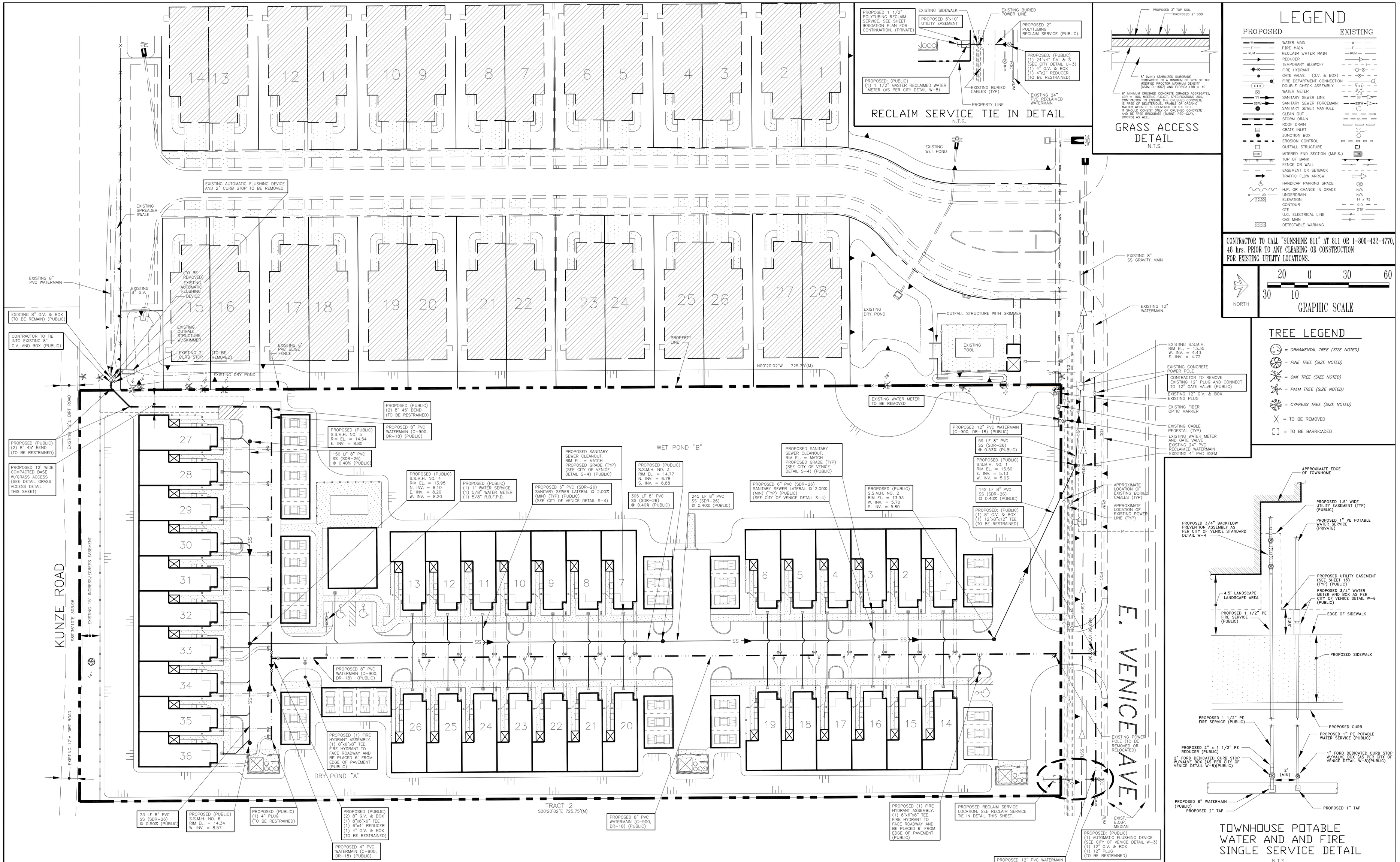
APPROVED

PAUL V. SHERMA,REG. NO. 35628

SHEET NUMBER: 3A



CLIENT:

MPS DEVELOPMENT AND CONSTRUCTION, LLC
333 S. TAMIAMI TRAIL, SUITE 205
VENICE, FL. 34285

PROJECT NAME: SEC. 9 TWP. 39S RNG. 19E

COTTAGES OF VENICE

WATER AND SANITARY SEWER PLAN

PROJECT NUMBER: 18-2382

SCALE: 1"=30'

NO.	DATE	BY	REVISIONS
2	5-17-21	SAG	REVISE PLAN AS PER OWNER'S REQUEST.
1	3-12-21	SAG	REVISE PLAN AS PER CITY COMMENTS.

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CERTIFICATE OF AUTHORIZATION NUMBER: 4401

DRAWING TYPE

- ■ PRELIMINARY
- □ CONSTRUCTION
- □ RECORD

DESIGNED BY: PVS CHECKED BY: PVS
DRAWN BY: SAG DATE: 10-19-20

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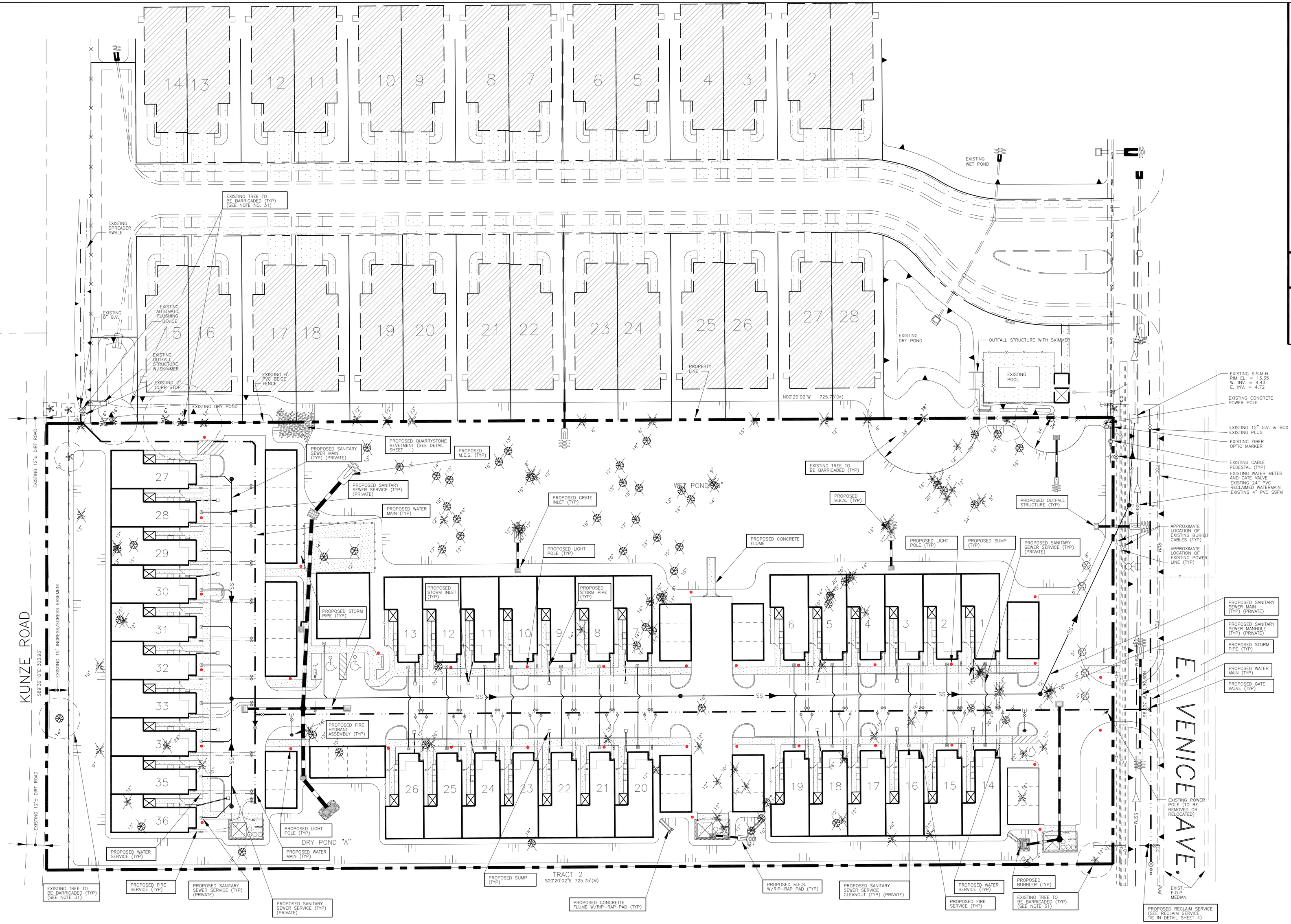
APPROVED

PAUL V. SHERMA,REG. NO. 35628

SHEET NUMBER: 4



LEGEND

PROPOSED		EXISTING
W	WATER MAIN	W
F	FIRE MAIN	F
RUM	RECLAIM WATER MAIN	RUM
	REDUCER	
	TEMPORARY BLOWOFF	
	FIRE HYDRANT	
	GATE VALVE (G.V. & BOX)	
	FIRE DEPARTMENT CONNECTION	
	DOUBLE CHECK ASSEMBLY	
	WATER METER	
SS	SANITARY SEWER LINE	SS
SSFM	SANITARY SEWER FORCEMAIN	SSFM
	SANITARY SEWER MANHOLE	
	CLEAN OUT	
	STORM DRAIN	SD
	ROOF DRAIN	
	GRATE INLET	
	JUNCTION BOX	
	EROSION CONTROL	
	OUTFALL STRUCTURE	
	MITERED END SECTION (M.E.S.)	
	TOP OF BANK	
	FENCE OR WALL	
	EASEMENT OR SETBACK	
	TRAFFIC FLOW ARROW	
	HANDICAP PARKING SPACE	HP
	H.P. OR CHANGE IN GRADE	N/A
UD	UNDERDRAIN	N/A
12.50	ELEVATION	14 x 75
	CONTOUR	9.0
	GTE	GTE
	U.G. ELECTRICAL LINE	P
	GAS MAIN	G
	DETECTABLE WARNING	

CONTRACTOR TO CALL "SUNSHINE 811" AT 811 OR 1-800-432-4770, 48 hrs. PRIOR TO ANY CLEARING OR CONSTRUCTION FOR EXISTING UTILITY LOCATIONS.

NORTH

20 0 30 60
30 10
GRAPHIC SCALE

TREE LEGEND

- = ORNAMENTAL TREE (SIZE NOTED)
- = PINE TREE (SIZE NOTED)
- = OAK TREE (SIZE NOTED)
- = PALM TREE (SIZE NOTED)
- = CYPRESS TREE (SIZE NOTED)
- X = TO BE REMOVED
- = TO BE BARRICADED

NOTES:

1. CONTRACTOR TO SET PROPOSED 6" SANITARY SEWER LATERAL TOWNHOME CLEANOUT INVERT ELEVATION 30" BELOW PROPOSED GRADE (TYP).
2. SANITARY SEWER CLEANOUTS TO BE PLACED AS SHOWN ON THE ENGINEERING PLANS.
3. WATER METER BOXES TO BE PLACED AS SHOWN ON PLANS. NO WATER METER BOXES TO BE PLACED IN SIDEWALK OR DRIVEWAYS.
4. ALL FITTINGS TO BE RESTRAINED.
5. ALL DISTURBED AREAS TO BE SODDED.
6. FIRE HYDRANTS MAY BE UTILIZED TO BLOW-OFF AND FLUSH THE MAINS. HOWEVER, SAMPLE POINTS MUST BE TAKEN UPSTREAM OF FIRE HYDRANTS. FIRE HYDRANTS MAY NOT BE USED AS SAMPLE POINTS.
7. CONTRACTOR TO SUPPLY AND INSTALL NECESSARY BENDS/FITTGINS (TO BE RESTRAINED) TO ALLOW DEFLECTION OF PROPOSED DOMESTIC WATERMAIN AROUND SANITARY SEWER MAINS AND LATERALS. CONTRACTOR TO MAINTAIN 18" VERTICAL SEPARATION AT CROSSINGS.
8. CONTRACTOR TO SUPPLY AND INSTALL NECESSARY BENDS/FITTINGS (TO BE RESTRAINED) TO ALLOW DEFLECTION OF PROPOSED WATERMAIN AROUND PROPOSED STORM SEWER MAINS. CONTRACTOR TO MAINTAIN 18" VERTICAL SEPARATION AT CROSSINGS.
9. ALL FIRE HYDRANTS TO FACE STREET.
10. ALL FIRE HYDRANT ASSEMBLIES TO BE RESTRAINED.
11. TAP CONNECTION TO THE CITY OF WATERMAIN WILL REQUIRE A CITY OF VENICE WATER TAP AUTHORIZATION NUMBER WHICH IS TO BE OBTAINED BY THE CONTRACTOR.
12. CITY OF VENICE TO OPERATE POTABLE WATER VALVE AT ALL TIE IN LOCATIONS. ANY REQUEST FOR WATER TO BE TURNED ON OR OFF MUST BE COORDINATED THROUGH THE CITY OF VENICE DISTRIBUTION/COLLECTION OFFICE WHICH CAN BE REACHED BY CALLING (941) 480-3333 EXT. 221 OR 245 BETWEEN THE HOURS OF 8:00 A.M. AND 4:00 P.M.
13. COPY OF HRS PERMIT WILL BE PROVIDED TO THE CITY OF VENICE.
14. CONTRACTOR TO MAKE TAP ON EXISTING WATERMAIN. CONNECTION TO THE CITY OF VENICE WATERMAIN WILL REQUIRE THE CITY OF VENICE STAFF PRESENT.
15. CONTRACTOR TO COMPLY WITH CITY OF VENICE ORDINANCES 95-12 AND 96-09 FOR STORM WATER POLLUTION PREVENTION AND BEST MANAGEMENT PRACTICES.
16. CONTRACTOR TO CUT OUT EXISTING SEWER WYE AT THE EXISTING MAIN AND REPLACE WITH A NEW WYE AND SERVICE LATERAL.
17. ALL SANITARY SEWER CLEANOUTS IN PAVEMENT AREAS TO BE CAST IRON.
18. ALL SANITARY SEWER CLEANOUT PLUGS TO HAVE FLUSH TOPS. (RECESSED)
19. ALL SANITARY SEWER LATERALS TO BE PVC SDR-26.
20. ALL FIRE HYDRANT ASSEMBLIES TO BE RESTRAINED.
21. CONTRACTOR TO PROVIDE 12 GAUGE TRACKING WIRE ON ALL WATER AND SEWER MAINS AND SERVICES.
22. CONTRACTOR TO PROVIDE MAINTENANCE OF TRAFFIC AS PER F.D.O.T. INDEX NO. 600 AND 603.
23. CONTRACTOR TO PROVIDE NECESSARY BLOWOFF AND CHLORINATION TEST SAMPLE LOCATIONS AS PER THE HEALTH DEPARTMENT PERMIT FOR THE PROPOSED WATERMAIN SYSTEM AND SHALL BE INCLUDED IN THE INITIAL BID.
24. ANY COSTS ASSOCIATED WITH REPAIRING/REPLACING EXISTING SIDEWALK, PAVEMENT, CURBS, STRIPING ETC. WITHIN COUNTRY CLUB WAY, HOME PARK ROAD AND EAST VENICE AVE. SHALL BE INCLUDED IN THE CONTRACTORS BID/PROPOSAL.
26. ALL SANITARY SEWER CLEANOUTS TO HAVE A CONCRETE PAD AS PER CITY OF VENICE DETAIL.
27. THERE IS TO BE A MINIMUM OF 5' CLEAR AREA AROUND METER AND BACKFLOW ASSEMBLY.
28. THE EXISTING ABANDONED 4" WATERMAIN WITHIN THE ALLEY CAN BE REMOVED.
29. TREES IN FIELD SHALL NOT BE PLANTED WITHIN 5 FT OF UTILITY LINE.
30. PROPOSED WATER LINE WILL CROSS UNDER EXISTING ACTIVE SEWER SERVICE LATERALS, PROPER SEPARATION WILL NEED TO BE MAINTAINED, AND CARE WILL NEED TO BE TAKEN TO ENSURE THAT THEY ARE NOT DAMAGED DURING CONSTRUCTION.
31. CONTRACTOR TO ADJUST LOCATION OF EXISTING TREE BARRICADES IN ORDER TO CONSTRUCT PROPOSED SITE IMPROVEMENTS.

CLIENT:

MPS DEVELOPMENT AND CONSTRUCTION, LLC
333 S. TAMIAMI TRAIL, SUITE 205
VENICE, FL. 34285

PROJECT NAME: SEC. 9 TWP. 39S RNG. 19E

COTTAGES OF VENICE

MASTER UTILITY AND TREE REMOVAL PLAN

PROJECT NUMBER: 18-2382

SCALE: 1"=30'

NO.	DATE	BY	REVISIONS
2	5-17-21	SAG	REVISE PLAN AS PER OWNER'S REQUEST.
1	3-12-21	SAG	REVISE PLAN AS PER CITY COMMENTS.

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10225 ULMERTON ROAD, SUITE 4D LARGO, FL. 33771
CIVIL ENGINEERS, PLANNERS, PERMIT EXPEDITORS (727) 408-5207
CERTIFICATE OF AUTHORIZATION NUMBER: 4401

DRAWING TYPE
■ PRELIMINARY
□ CONSTRUCTION
□ RECORD

DESIGNED BY: PVS CHECKED BY: PVS
DRAWN BY: SAG DATE: 10-19-20

PAUL V. SHERMA, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 35628

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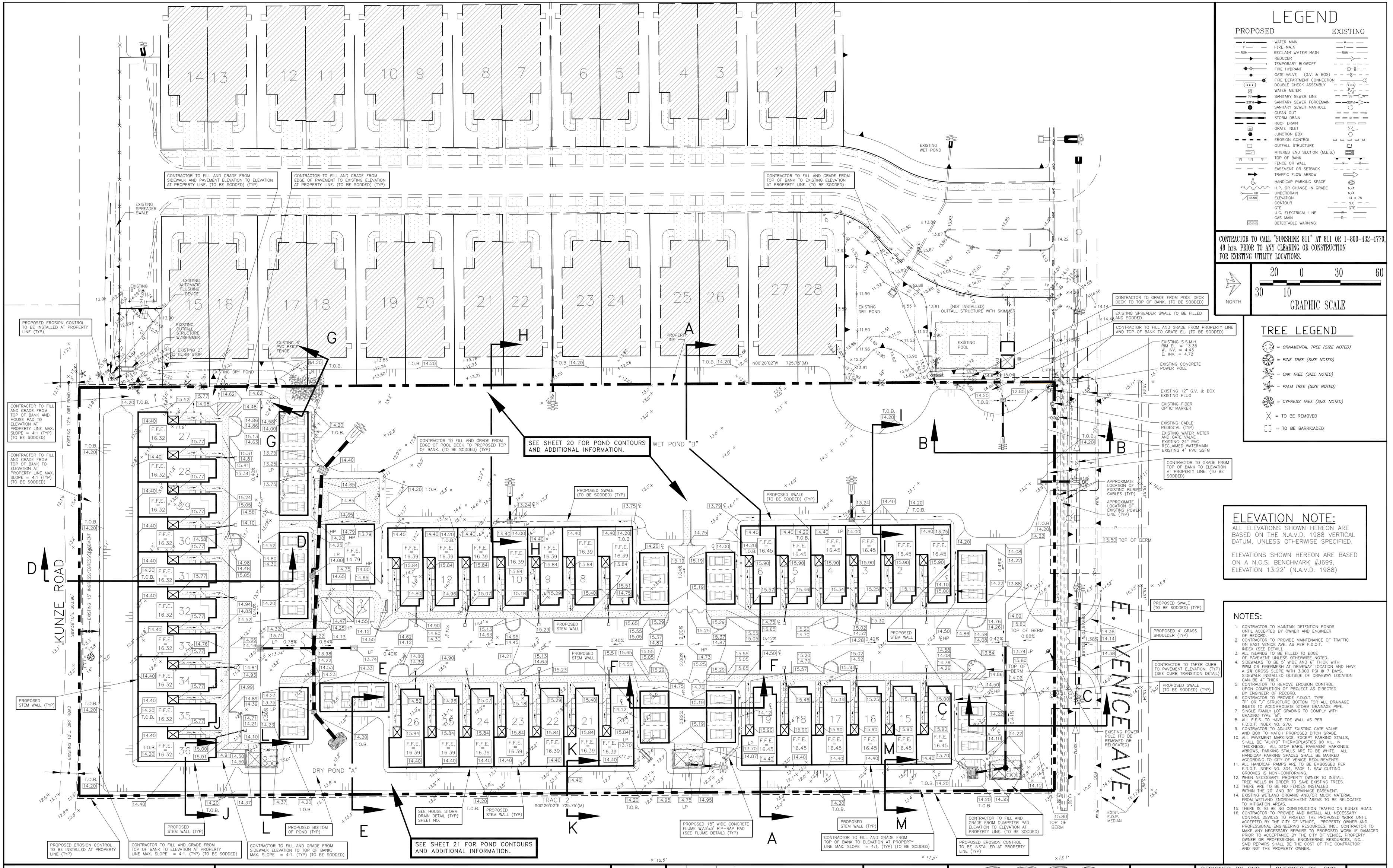
APPROVED

PAUL V. SHERMA,REG. NO. 35628

SHEET NUMBER: 5


CONTRACTOR TO FILL AND GRADE FROM SIDEWALK AND PAVEMENT ELEVATION TO ELEVATION AT PROPERTY LINE. (TO BE SODDED) (TYP)
CONTRACTOR TO FILL AND GRADE FROM EDGE OF PAVEMENT TO EXISTING ELEVATION AT PROPERTY LINE. (TO BE SODDED) (TYP)
CONTRACTOR TO FILL AND GRADE FROM TOP OF BANK TO EXISTING ELEVATION AT PROPERTY LINE. (TO BE SODDED)
EXISTING WET POND
EXISTING SPREADER SWALE
EXISTING AUTOMATIC FLUSHING DEVICE
EXISTING OUTFALL STRUCTURE W/SKIMMER
EXISTING 2" PVC CURB STOP
EXISTING 6' PVC BOX FENCE
EXISTING DRY POND
PROPERTY LINE
N00°20'02"W 725.75'(M)
EXISTING DRY POND
(NOT INSTALLED) OUTFALL STRUCTURE WITH SKIMMER
EXISTING POOL
CONTRACTOR TO GRADE FROM POOL DECK DECK TO TOP OF BANK. (TO BE SODDED)
EXISTING SPREADER SWALE TO BE FILLED AND SODDED
CONTRACTOR TO FILL AND GRADE FROM PROPERTY LINE AND TOP OF BANK TO GRATE EL. (TO BE SODDED)
PROPOSED EROSION CONTROL TO BE INSTALLED AT PROPERTY LINE (TYP)
CONTRACTOR TO FILL AND GRADE FROM TOP OF BANK AND HOUSE PAD TO ELEVATION AT PROPERTY LINE MAX. SLOPE = 4:1 (TYP) (TO BE SODDED)
CONTRACTOR TO FILL AND GRADE FROM TOP OF BANK TO ELEVATION AT PROPERTY LINE MAX. SLOPE = 4:1 (TYP) (TO BE SODDED)
EXISTING 12'± DIRT ROAD
CONTRACTOR TO FILL AND GRADE FROM EDGE OF POOL DECK TO PROPOSED TOP OF BANK. (TO BE SODDED) (TYP)
SEE SHEET 20 FOR POND CONTOURS AND ADDITIONAL INFORMATION.
WET POND "B"
PROPOSED SWALE (TO BE SODDED) (TYP)
PROPOSED STEM WALL
KUNZE ROAD
S89°36'10"E 303.96'
EXISTING 15' INGRESS/EGRESS EASEMENT
PROPOSED STEM WALL (TYP)
DRY POND "A"
TRACT 2
S00°20'02"E 725.75'(M)
SEE HOUSE STORM DRAIN DETAIL (TYP) SHEET NO.
PROPOSED STEM WALL (TYP)
PROPOSED 18" WIDE CONCRETE FLUME W/3'x3' RIP-RAP PAD (SEE FLUME DETAIL) (TYP)
SEE SHEET 21 FOR POND CONTOURS AND ADDITIONAL INFORMATION.
PROPOSED EROSION CONTROL TO BE INSTALLED AT PROPERTY LINE (TYP)
CONTRACTOR TO FILL AND GRADE FROM TOP OF BANK TO ELEVATION AT PROPERTY LINE MAX. SLOPE = 4:1. (TYP) (TO BE SODDED)
CONTRACTOR TO FILL AND GRADE FROM SIDEWALK ELEVATION TO TOP OF BANK. MAX. SLOPE = 4:1. (TYP) (TO BE SODDED)
PROPOSED BOTTOM OF POND (TYP)
CONTRACTOR TO FILL AND GRADE FROM TOP OF BANK TO ELEVATION AT PROPERTY LINE. (TO BE SODDED)
PROPOSED EROSION CONTROL TO BE INSTALLED AT PROPERTY LINE (TYP)
APPROXIMATE LOCATION OF EXISTING BURIED CABLES (TYP)
APPROXIMATE LOCATION OF EXISTING POWER LINE (TYP)
EXISTING S.S.M.H. RIM EL. = 13.35 W. INV. = 4.43 E. INV. = 4.72
EXISTING CONCRETE POWER POLE
EXISTING 12" G.V. & BOX
EXISTING PLUG
EXISTING FIBER OPTIC MARKER
EXISTING CABLE PEDESTAL (TYP)
EXISTING WATER METER AND GATE VALVE
EXISTING 24" PVC RECLAIMED WATERMAIN
EXISTING 4" PVC SSFM
CONTRACTOR TO GRADE FROM TOP OF BANK TO ELEVATION AT PROPERTY LINE. (TO BE SODDED)
PROPOSED SWALE (TO BE SODDED) (TYP)
PROPOSED 4' GRASS SHOULDER (TYP)
CONTRACTOR TO TAPER CURB TO PAVEMENT ELEVATION. (TYP) (SEE CURB TRANSITION DETAIL)
PROPOSED SWALE (TO BE SODDED) (TYP)
E. VENICE AVE.
EXIST. E.O.P. MEDIAN
EXISTING POWER POLE (TO BE REMOVED OR RELOCATED)
TOP OF BERM
CONTRACTOR TO FILL AND GRADE FROM DUMPSTER PAD ELEVATION TO ELEVATION AT PROPERTY LINE. (TO BE SODDED)
PROPOSED EROSION CONTROL TO BE INSTALLED AT PROPERTY LINE (TYP)
CONTRACTOR TO FILL AND GRADE FROM TOP OF BANK TO ELEVATION AT PROPERTY LINE MAX. SLOPE = 4:1. (TYP) (TO BE SODDED)
PROPOSED SWALE (TO BE SODDED) (TYP)
PROPOSED STEM WALL
PROPOSED STEM WALL (TYP)
PROPOSED SWALE (TO BE SODDED) (TYP)
PROPOSED STEM WALL

2'x2' INLET TABLE

2'x2' INLET NO.	TYPE	GRATE ELEVATION	INVERT ELEVATION
NO. 1	2'x2' W/USF 4130/52/6230	14.31	10.15
NO. 2	2'x2' W/USF 4130/52/6230	14.55	10.15
NO. 3	2'x2' W/USF 4130/52/6230	14.75	10.15
NO. 4	2'x2' W/USF 4130/52/6230	14.31	10.15
NO. 5	2'x2' W/USF 4130/52/6230	14.55	10.15
NO. 6	2'x2' W/USF 4130/52/6230	14.75	10.15
NO. 7	2'x2' W/USF 4130/52/6230	14.83	10.15
NO. 8	2'x2' W/USF 4130/52/6230	14.60	10.15
NO. 9	2'x2' W/USF 4130/52/6230	14.40	10.15
NO. 10	2'x2' W/USF 4130/52/6230	14.24	10.15
NO. 11	2'x2' W/USF 4130/52/6230	14.83	10.15
NO. 12	2'x2' W/USF 4130/52/6230	14.60	10.15
NO. 13	2'x2' W/USF 4130/52/6230	14.40	10.15
NO. 14	2'x2' W/USF 4130/52/6230	14.24	10.15
NO. 15	2'x2' W/USF 4130/52/6230	14.30	10.15
NO. 16	2'x2' W/USF 4130/52/6230	14.15	10.15
NO. 17	2'x2' W/USF 4130/52/6230	14.24	10.15
NO. 18	2'x2' W/USF 4130/52/6230	14.43	10.15
NO. 19	2'x2' W/USF 4130/52/6230	14.65	10.15

LEGEND

PROPOSED	EXISTING
W	W
F	F
RUM	RUM
REDUCER	
TEMPORARY BLOWOFF	
FIRE HYDRANT	
GATE VALVE (G.V. & BOX)	
FIRE DEPARTMENT CONNECTION	
DOUBLE CHECK ASSEMBLY	
WATER METER	
SS	SS
SSFM	SSFM
SANITARY SEWER MANHOLE	
CLEAN OUT	
SD	SD
ROOF DRAIN	
GRATE INLET	
JUNCTION BOX	
EROSION CONTROL	
OUTFALL STRUCTURE	
MITERED END SECTION (M.E.S.)	
TOP OF BANK	
FENCE OR WALL	x x
EASEMENT OR SETBACK	
TRAFFIC FLOW ARROW	
HANDICAP PARKING SPACE	HP
H.P. OR CHANGE IN GRADE	N/A
UD	N/A
12.50	14 x 75
CONTOUR	9.0
GTE	GTE
U.G. ELECTRICAL LINE	P
GAS MAIN	G
DETECTABLE WARNING	

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NORTH

20 0 30 60
30 10
GRAPHIC SCALE

TREE LEGEND

= ORNAMENTAL TREE (SIZE NOTED)
= PINE TREE (SIZE NOTED)
= OAK TREE (SIZE NOTED)
= PALM TREE (SIZE NOTED)
= CYPRESS TREE (SIZE NOTED)
X = TO BE REMOVED
= TO BE BARRICADED

EXISTING WET POND

CASSATA PLACE STRUCTURE (RB1139DS2) (TO BE MODIFIED DETENTION POND "A" OUTFALL STRUCTURE DETAIL)

PROPOSED QUARRYSTONE REVETMENT (SEE DETAIL SHEET 22)

EXISTING SPREADER SWALE

EXISTING 8" C.M.P.

EXISTING AUTOMATIC FLUSHING DEVICE

EXISTING OUTFALL STRUCTURE W/SKIMMER

EXISTING 2" PVC BORE

EXISTING 2' CURB STOP

EXISTING 6' PVC BORE FENCE

EXISTING DRY POND

PROPERTY LINE

N00°20'02"W 725.75'(M)

EXISTING DRY POND

CASSATA PLACE OUTFALL STRUCTURE WITH SKIMMER (TO BE REMOVED) (POND B OUTFALL STRUCTURE B1 DETAIL)

EXISTING POOL

PROPOSED TYPE "C" GRATE INLET WITH CAST IRON GRATE D.S. NO. 11 GRATE EL. = 12.85 E. INV. = 10.00

CASSATA PLACE STRUCTURE RB1139SW1 (TO REMAIN) POND B OUTFALL STRUCTURE B2 DETAIL

EXISTING 12'± DIRT ROAD

PROPOSED: (1) 12"x6"x6" TEE (2) 6" CAPS (TYP) 12" INV. = 10.75

15 LF 12" ADS @ 4.00% (TYP)

PROPOSED M.E.S. W/5'x5' RIP-RAP PAD INV. = 4.00

PROPOSED TYPE "C" GRATE INLET WITH CAST IRON GRATE D.S. NO. 8A GRATE EL. = 14.00 W. INV. = 10.00

EXISTING INV. = 6.91

27 LF 15" ADS @ 0.55%

PROPOSED M.E.S. W/5'x5' RIP-RAP PAD INV. = 8.80

26 LF 18" ADS @ 7.69%

PROPOSED M.E.S. W/5'x5' RIP-RAP PAD INV. = 6.76

WET POND "B"

PROPOSED M.E.S. W/5'x5' RIP-RAP PAD INV. = 8.80

26 LF 18" ADS @ 7.69%

32 LF 15" ADS @ 3.75%

EXISTING S.S.M.H. RIM EL. = 13.35 W. INV. = 4.43 E. INV. = 4.72

EXISTING CONCRETE POWER POLE

EXISTING 12" G.V. & BOX

EXISTING PLUG

EXISTING FIBER OPTIC MARKER

EXISTING CABLE PEDESTAL (TYP)

EXISTING WATER METER AND GATE VALVE

EXISTING 24" PVC RECLAIMED WATERMAIN

EXISTING 4" PVC SSFM

30 LF 15" ADS @ 1.17%

PROPOSED M.E.S. W/5'x5' RIP-RAP PAD INV. = 10.25

APPROXIMATE LOCATION OF EXISTING BURIED CABLES (TYP)

APPROXIMATE LOCATION OF EXISTING POWER LINE (TYP)

COTTAGES OF VENICE PROPOSED DETENTION POND "A" OUTFALL STRUCTURE (COVAWEIR) (SEE DETAIL SHEET 22) GRATE EL. = 14.40 E. INV. = 4.00 W. INV. = 4.00 S. SLOT WIDTH = 1.50" S. SLOT EL. = 13.25

PROPOSED: (1) 12"x6"x6" TEE (2) 6" CAPS (TYP) 12" INV. = 10.75

PROPOSED 15" ADS PIPE CONNECTED TO 30" RCP (CONTRACTOR TO PROVIDE 90° BENDS IN 15" ADS PIPE TO MAKE CONNECTION TO 30" RCP)

PROPOSED TYPE "D" GRATE INLET WITH CAST IRON GRATE D.S. NO. 7 GRATE EL. = 13.74 N. INV. = 8.83

PROPOSED: (1) 12"x6"x6" TEE (2) 6" CAPS (TYP) 12" INV. = 10.75

KUNZE ROAD

S89°36'10"E 303.96'

EXISTING 15" INGRESS/EGRESS EASEMENT

PROPOSED INLET NO. 19 (SEE TABLE)

40 LF 30" RCP @ 0.00%

PROPOSED INLET NO. 18 (SEE TABLE)

PROPOSED INLET NO. 17 (SEE TABLE)

130 LF 30" RCP @ 0.00%

PROPOSED INLET NO. 10 (SEE TABLE)

30 LF 18" RCP @ 2.77%

39 LF 18" RCP @ 2.13%

PROPOSED INLET NO. 14 (SEE TABLE)

48 LF 30" RCP @ 0.00%

PROPOSED INLET NO. 16 (SEE TABLE)

PROPOSED INLET NO. 15 (SEE TABLE)

PROPOSED INLET NO. 9 (SEE TABLE)

PROPOSED INLET NO. 12 (SEE TABLE)

PROPOSED INLET NO. 13 (SEE TABLE)

PROPOSED INLET NO. 11 (SEE TABLE)

PROPOSED INLET NO. 8 (SEE TABLE)

PROPOSED INLET NO. 7 (SEE TABLE)

PROPOSED: (1) 12"x6"x6" TEE (2) 6" CAPS (TYP) 12" INV. = 10.75

25 LF 12"x18" RCP @ 0.40%

PROPOSED INLET NO. 3 (SEE TABLE)

PROPOSED INLET NO. 2 (SEE TABLE)

PROPOSED INLET NO. 5 (SEE TABLE)

PROPOSED INLET NO. 6 (SEE TABLE)

PROPOSED INLET NO. 1 (SEE TABLE)

PROPOSED INLET NO. 4 (SEE TABLE)

PROPOSED: (1) 12"x6"x6" TEE (2) 6" CAPS (TYP) 12" INV. = 10.75

93 LF 18" RCP @ 0.65%

PROPOSED 6' WIDE CONCRETE FLUME

PROPOSED: (1) 12"x6"x6" TEE (2) 6" CAPS (TYP) 12" INV. = 10.75

PROPOSED TYPE "C" GRATE INLET WITH CAST IRON GRATE D.S. NO. 9 GRATE EL. = 14.00 N. & S. SLOT EL. = 13.24 N. & S. SLOT EL. = 2.00 W. INV. = 10.80

PROPOSED TYPE "C" GRATE INLET WITH CAST IRON GRATE D.S. NO. 10 GRATE EL. = 14.00 N. & S. SLOT EL. = 13.24 N. & S. SLOT EL. = 2.00 W. INV. = 10.80

PROPOSED M.E.S. W/5'x5' RIP-RAP PAD INV. = 8.80

PROPOSED: (1) 12"x6"x6" TEE (2) 6" CAPS (TYP) 12" INV. = 10.75

PROPOSED: (1) 12"x6"x6" TEE (2) 6" CAPS (TYP) 12" INV. = 10.75

PROPOSED TYPE "D" GRATE INLET WITH CAST IRON GRATE D.S. NO. 1 GRATE EL. = 13.74 S. INV. = 10.24 E. INV. = 10.24

PROPOSED 18" WIDE CONCRETE FLUME W/3'x3' RIP-RAP PAD (SEE FLUME DETAIL) (TYP)

PROPOSED TYPE "D" GRATE INLET WITH STEEL GRATE AND 2' WIDE RIP-RAP PAD AROUND INLET D.S. NO. 2 GRATE EL. = 12.90 N. INV. = 9.46

27 LF 18" RCP @ 0.65%

COTTAGES OF VENICE PROPOSED DETENTION POND "B" OUTFALL STRUCTURE GRATE EL. =14.00 INV. = 10.60 (SEE DETAIL SHEET 20)

PROPOSED M.E.S. W/5'x5' RIP-RAP PAD. CONTRACTOR TO SET M.E.S. INV. AT EXISTING DITCH BOTTOM ELEVATION.

77 LF 19"x30" RCP @ 0.32%

PROPOSED M.E.S. W/5'x5' RIP-RAP PAD. CONTRACTOR TO SET M.E.S. INV. 0.25' BELOW W. INV. ELEVATION

PROPOSED M.E.S. W/5'x5' RIP-RAP PAD INV. = 9.75

PROPOSED JUNCTION BOX JB "A" F.D.O.T. INDEX NO. 200 AND 201 RIM EL. = 14.24 S. INV. = 9.64 W. INV. = 9.64

E. VENICE AVE.

EXISTING POWER POLE (TO BE REMOVED OR RELOCATED)

EXIST. E.O.P. MEDIAN

PROPOSED: (1) 12"x6"x6" TEE (2) 6" CAPS (TYP) 12" INV. = 10.75

PROPOSED TYPE "C" GRATE INLET WITH CAST IRON GRATE D.S. NO. 6 GRATE EL. = 13.90 E. INV. = 4.00 W. INV. = 4.00

COTTAGES OF VENICE PROPOSED TYPE "E" INLET (BUBBLER) (COVBASINADFS) GRATE EL. = 11.43 INV. = 4.00

PROPOSED TYPE "D" GRATE INLET WITH CAST IRON GRATE D.S. NO. 5 GRATE EL. = 13.74 S. INV. = 8.83

PROPOSED: (1) 12"x6"x6" TEE (2) 6" CAPS (TYP) 12" INV. = 10.75

PROPOSED: (1) 12"x6"x6" TEE (2) 6" CAPS (TYP) 12" INV. = 10.75

PROPOSED 18" WIDE CONCRETE FLUME W/3'x3' RIP-RAP PAD (SEE FLUME DETAIL) (TYP)

PROPOSED TYPE "C" GRATE INLET WITH CAST IRON GRATE D.S. NO. 3 GRATE EL. = 14.75 N. INV. = 13.00

PROPOSED M.E.S. W/5'x5' RIP-RAP PAD INV. = 12.90

PROPOSED: (1) 12"x6"x6" TEE (2) 6" CAPS (TYP) 12" INV. = 10.75

PROPOSED 18" WIDE CONCRETE FLUME W/3'x3' RIP-RAP PAD (SEE FLUME DETAIL) (TYP)

TRACT 2 S00°20'02"E 725.75'(M)

DRY POND "A"

22 LF 12" ADS @ 2.72% (MIN) (TYP)

PROPOSED JUNCTION BOX JB "E" F.D.O.T. INDEX NO. 200 AND 201 RIM EL. = 13.93 N. INV. = 8.00 S. INV. = 8.00 E. INV. = 4.00 W. INV. = 4.00

28 LF 30" RCP @ 0.00%

15 LF 12" ADS @ 4.00% (TYP)

ELEVATION NOTE:

ALL ELEVATIONS SHOWN HEREON ARE BASED ON THE N.A.V.D. 1988 VERTICAL DATUM, UNLESS OTHERWISE SPECIFIED.

ELEVATIONS SHOWN HEREON ARE BASED ON A N.G.S. BENCHMARK #J699, ELEVATION 13.22' (N.A.V.D. 1988)

CLIENT:
MPS DEVELOPMENT AND CONSTRUCTION, LLC
333 S. TAMIAMI TRAIL, SUITE 205
VENICE, FL. 34285

PROJECT NAME: SEC. 9 TWP. 39S RNG. 19E

COTTAGES OF VENICE

DRAINAGE PLAN

PROJECT NUMBER: 18-2382
SCALE: 1"=30'

NO.	DATE	BY	REVISIONS
3	5-17-21	SAG	REVISED AS PER OWNER'S REQUEST.
2	4-2-21	SAG	REVISED AS PER SWFWMD COMMENTS.
1	3-12-21	SAG	REVISED AS PER CITY COMMENTS.

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PROFESSIONAL ENGINEERING RESOURCES, INC.
10225 ULMERTON ROAD, SUITE 4D LARGO, FL. 33771
CIVIL ENGINEERS, PLANNERS, PERMIT EXPEDITORS (727) 408-5207
CERTIFICATE OF AUTHORIZATION NUMBER: 4401

DRAWING TYPE
■ PRELIMINARY
□ CONSTRUCTION
□ RECORD

DESIGNED BY: PVS CHECKED BY: PVS
DRAWN BY: SAG DATE: 10-19-20

PAUL V. SHERMA, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 35628

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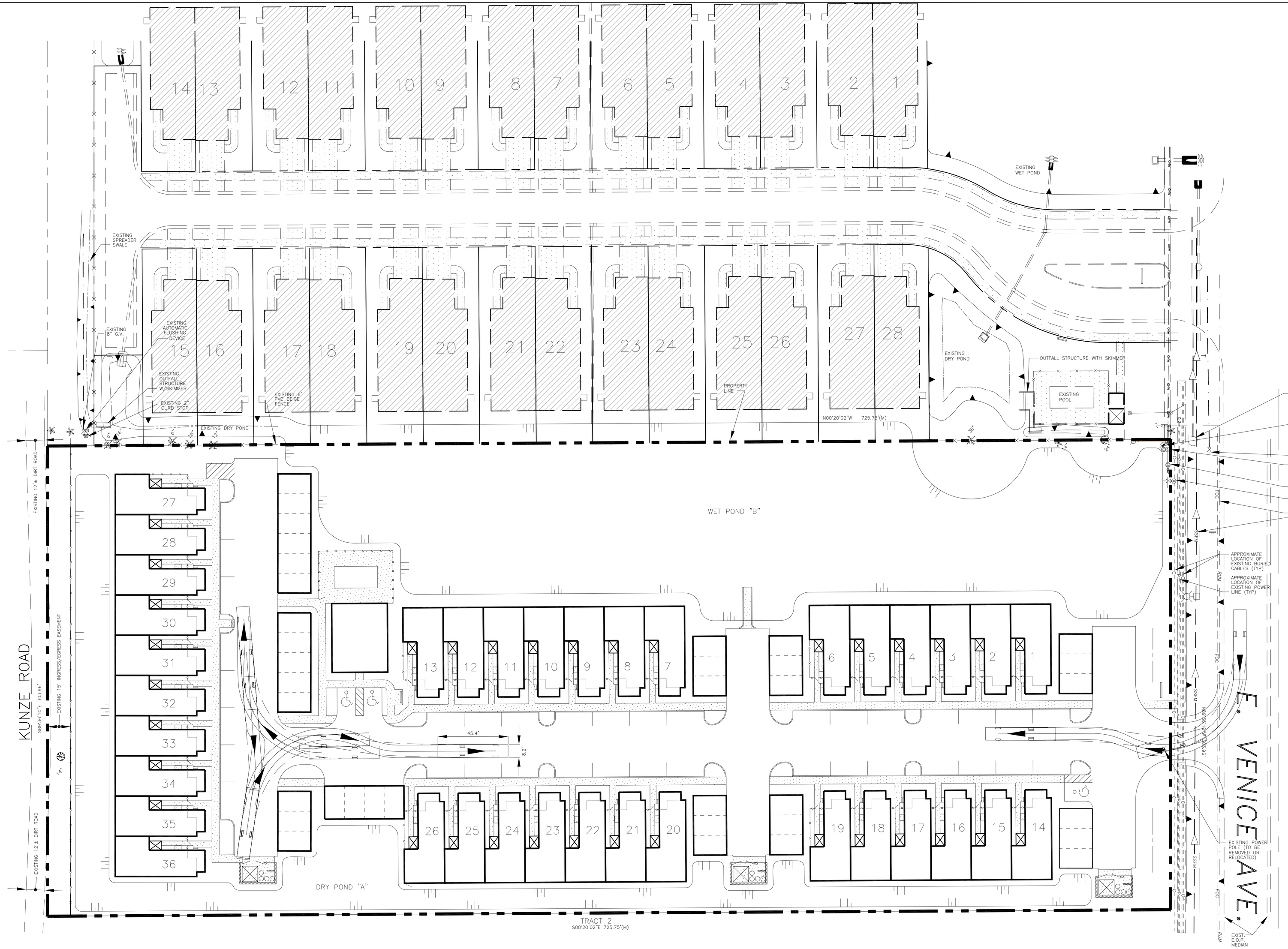
APPROVED

PAUL V. SHERMA,REG. NO. 35628

SHEET NUMBER: 7



LEGEND

PROPOSED		EXISTING
W	WATER MAIN	W
F	FIRE MAIN	F
RUM	RECLAIM WATER MAIN	RUM
	REDUCER	
	TEMPORARY BLOWOFF	
	FIRE HYDRANT	
	GATE VALVE (G.V. & BOX)	
	FIRE DEPARTMENT CONNECTION	
	DOUBLE CHECK ASSEMBLY	
	WATER METER	
SS	SANITARY SEWER LINE	SS
SSFM	SANITARY SEWER FORCEMAIN	SSFM
	SANITARY SEWER MANHOLE	
	CLEAN OUT	
ST	STORM DRAIN	ST
	ROOF DRAIN	
	GRATE INLET	
	JUNCTION BOX	
	EROSION CONTROL	
	OUTFALL STRUCTURE	
	MITERED END SECTION (M.E.S.)	
TOP TOP TOP	TOP OF BANK	
	FENCE OR WALL	
	EASEMENT OR SETBACK	
	TRAFFIC FLOW ARROW	
	HANDICAP PARKING SPACE	HP
	H.P. OR CHANGE IN GRADE	N/A
UD	UNDERDRAIN	N/A
12.50	ELEVATION	14 x 75
	CONTOUR	9.0
GTE	GTE	GTE
	U.G. ELECTRICAL LINE	P
	GAS MAIN	G
	DETECTABLE WARNING	

CONTRACTOR TO CALL "SUNSHINE 811" AT 811 OR 1-800-432-4770, 48 hrs. PRIOR TO ANY CLEARING OR CONSTRUCTION FOR EXISTING UTILITY LOCATIONS.

NORTH

30 10 20 0 30 60

GRAPHIC SCALE

TREE LEGEND

= ORNAMENTAL TREE (SIZE NOTED)

= PINE TREE (SIZE NOTED)

= OAK TREE (SIZE NOTED)

= PALM TREE (SIZE NOTED)

= CYPRESS TREE (SIZE NOTED)

X = TO BE REMOVED

= TO BE BARRICADED

CLIENT:

MPS DEVELOPMENT AND CONSTRUCTION, LLC
333 S. TAMIAMI TRAIL, SUITE 205
VENICE, FL. 34285

PROJECT NAME: SEC. 9 TWP. 39S RNG. 19E

COTTAGES OF VENICE

FIRE TRUCK TURNING MOVEMENT

PROJECT NUMBER: 18-2382

SCALE: 1"=30'

NO.	DATE	BY	REVISIONS
2	5-17-21	SAG	REVISED AS PER OWNER'S REQUEST.
1	3-12-21	SAG	REVISED AS PER CITY COMMENTS.

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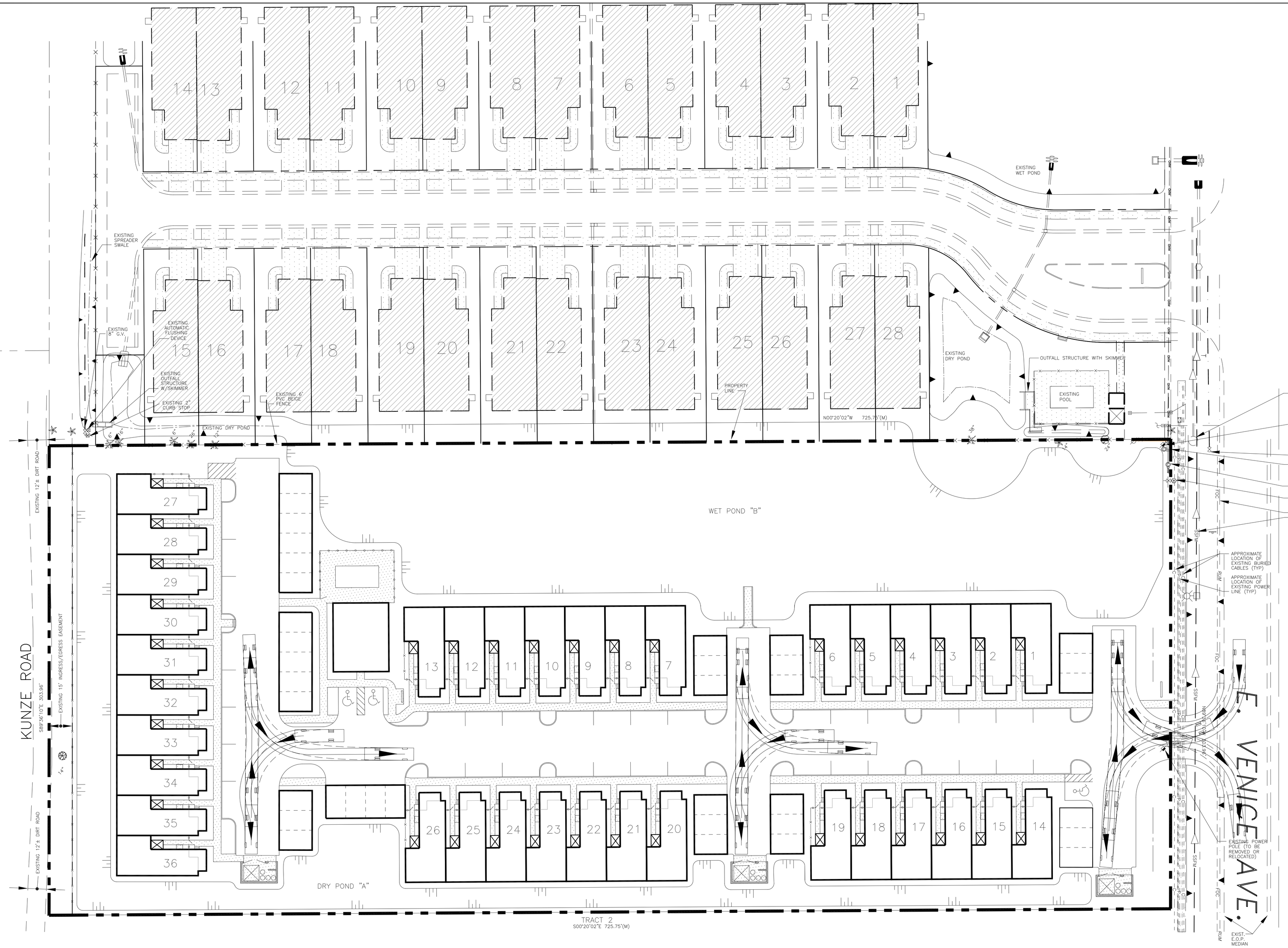
SHEET NUMBER: 8



LEGEND

PROPOSED		EXISTING
W	WATER MAIN	W
F	FIRE MAIN	F
RUM	RECLAIM WATER MAIN	RUM
	REDUCER	
	TEMPORARY BLOWOFF	
	FIRE HYDRANT	
	GATE VALVE (G.V. & BOX)	
	FIRE DEPARTMENT CONNECTION	
	DOUBLE CHECK ASSEMBLY	
	WATER METER	
SS	SANITARY SEWER LINE	SS
SSFM	SANITARY SEWER FORCEMAIN	SSFM
	SANITARY SEWER MANHOLE	
	CLEAN OUT	
	STORM DRAIN	SD
	ROOF DRAIN	
	GRATE INLET	
	JUNCTION BOX	
	EROSION CONTROL	
	OUTFALL STRUCTURE	
	MITERED END SECTION (M.E.S.)	
	TOP OF BANK	
	FENCE OR WALL	
	EASEMENT OR SETBACK	
	TRAFFIC FLOW ARROW	
	HANDICAP PARKING SPACE	HP
	H.P. OR CHANGE IN GRADE	N/A
UD	UNDERDRAIN	N/A
12.50	ELEVATION	14 x 75
	CONTOUR	9.0
	GTE	GTE
	U.G. ELECTRICAL LINE	P
	GAS MAIN	G
	DETECTABLE WARNING	

CONTRACTOR TO CALL "SUNSHINE 811" AT 811 OR 1-800-432-4770, 48 hrs. PRIOR TO ANY CLEARING OR CONSTRUCTION FOR EXISTING UTILITY LOCATIONS.

NORTH

20 0 30 60
30 10
GRAPHIC SCALE

TREE LEGEND

= ORNAMENTAL TREE (SIZE NOTED)
= PINE TREE (SIZE NOTED)
= OAK TREE (SIZE NOTED)
= PALM TREE (SIZE NOTED)
= CYPRESS TREE (SIZE NOTED)
X = TO BE REMOVED
= TO BE BARRICADED

CLIENT:
MPS DEVELOPMENT AND CONSTRUCTION, LLC
333 S. TAMIAMI TRAIL, SUITE 205
VENICE, FL. 34285

PROJECT NAME: SEC. 9 TWP. 39S RNG. 19E

COTTAGES OF VENICE

REFUSE TRUCK TURNING MOVEMENT

PROJECT NUMBER: 18-2382
SCALE: 1"=30'

NO.	DATE	BY	REVISIONS
3	5-17-21	SAG	REVISED AS PER OWNER'S REQUEST.
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PAUL V. SHERMA, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 35628

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APPROVED

PAUL V. SHERMA,REG. NO. 35628

SHEET NUMBER
9

LEGEND

- □ = CONCRETE MONUMENT FOUND. (SIZE & I.D. NOTED)
- ● = 5/8" CAPPED IRON ROD SET (L.B. #6639)
- ⊗ = 5/8" IRON ROD FOUND (I.D. NOTED)
- ⊙ = NAIL & DISK FOUND (I.D. NOTED)
- (P) = PLAT DIMENSION
- (M) = MEASURED DIMENSION
- (D) = DEEDED DIMENSION
- (C) = CALCULATED DIMENSION
- U. & D. = UTILITY & DRAINAGE
- L.B. = LICENSED SURVEYOR BUSINESS
- L.S. = LAND SURVEYOR
- P.C. = POINT OF CURVATURE
- P.T. = POINT OF TANGENCY
- P.I. = POINT OF INTERSECTION
- C.M. = CONC. MONUMENT
- R/W = RIGHT-OF-WAY
- C/L = CENTER LINE
- R.C.P. = REINFORCED CONCRETE PIPE
- -OHL- = OVERHEAD UTILITY LINES
- (TYP.) = TYPICAL
- CONC. = CONCRETE
- I.D. = IDENTIFICATION
- A/C = AIR CONDITIONER
- O.R.I. = OFFICIAL RECORDS INSTRUMENT
- O.R.B. = OFFICIAL RECORDS BOOK
- P.I.D. = PARCEL IDENTIFICATION NUMBER
- ∅ = UTILITY POLE
- ⋈ = BACKFLOW PREVENTER
- (W) = WATER METER
- (SS) = SANITARY CLEANOUT
- ← = GUY ANCHOR
- ☄ = CONC. POWER POLE
- ▭ = SIGN
- ⚐ = FLAG POLE
- ⊏ = MITERED END SECTION
- (S) = SEPTIC LID
- T.B.M. = TEMPORARY BENCH MARK
- F.F. = FINISHED FLOOR
- GAR. = GARAGE ELEVATION
- EL., ELEV. = ELEVATION
- 2.00' = EXISTING ELEVATIONS
- N.G.V.D. = NATIONAL GEODETIC VERTICAL DATUM
- N.A.V.D. = NORTH AMERICAN VERTICAL DATUM
- F.I.R.M. = FLOOD INSURANCE RATE MAP
- INV. = INVERT ELEVATION
- ▩ = DRAINAGE GRATE INLET, (DGI)

UTILITY TABLE

- ——— — ——— = CABLE LINE
- ——— — ——— = POWER LINE
- ——— · ——— · ——— = SEWER LINE

TREE NOTES

TREE LEGEND

- = ORNAMENTAL TREE (SIZE NOTED)
- = PINE TREE (SIZE NOTED)
- = OAK TREE (SIZE NOTED)
- = PALM TREE (SIZE NOTED)
- = CYPRESS TREE (SIZE NOTED)

TREE NOTE:

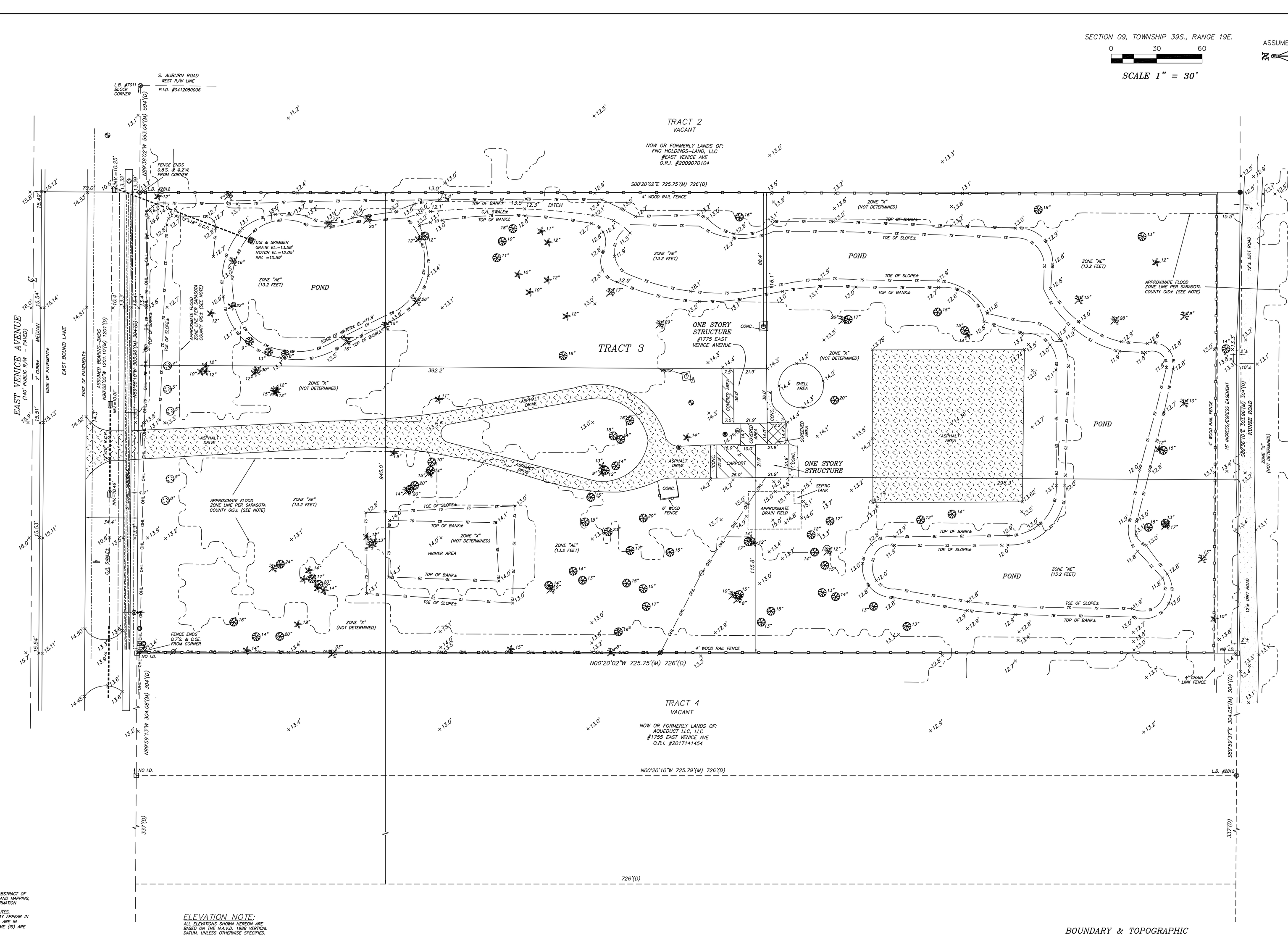
TREE SPECIES INDICATED HEREON WERE IDENTIFIED TO THE BEST OF THIS FIRMS ABILITY, A PROFESSIONAL ARBORIST SHOULD BE CONSULTED FOR EXACT TREE SPECIES IDENTIFICATION AND CONDITION.

SECTION 09, TOWNSHIP 39S., RANGE 19E.

0 30 60

SCALE 1" = 30'

ASSUMED



SURVEYORS NOTES:

DESCRIPTION FURNISHED BY CLIENT.

THE SURVEY AS SHOWN HEREON WAS MADE WITHOUT BENEFIT OF ABSTRACT OF TITLE, AND THEREFOR THE UNDERSIGNED AND STRAYER SURVEYING AND MAPPING, INC. MAKE NO GUARANTEES OR REPRESENTATIONS REGARDING INFORMATION SHOWN HEREIN PERTAINING TO EASEMENTS, CLAIMS OF EASEMENTS, RIGHTS-OF-WAY, SETBACK LINES, OVERLAPS, BOUNDARY LINE DISPUTES, AGREEMENTS, RESERVATIONS OR OTHER SIMILAR MATTERS WHICH MAY APPEAR IN THE ABSTRACT, BUT IF THE SAME, OR ANY OF THEM ACTUALLY (IS) ARE IN EXISTENCE ON THE LAND SURVEYED, THEN IN THAT EVENT, THE SAME (IS) ARE SHOWN HEREON.

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THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULT OF A SURVEY PERFORMED ON THE INDICATED DATE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME.

NO UNDERGROUND INSTALLATIONS OR IMPROVEMENTS HAVE BEEN LOCATED EXCEPT AS NOTED.

BEARINGS SHOWN HEREON ARE BASED ON THE RECORD PLAT OF KENT ACRES, THE SOUTH R/W LINE OF EAST VENICE AVENUE, BEING N. 90°00'00" W. (ASSUMED) BEARINGS WERE NOT DEPICTED ON PLAT.

SYMBOL CHARACTERS AND OR POSITIONS MAY NOT BE DEPICTED TO SCALE FOR CLARIFICATION PURPOSES.

ELEVATION NOTE:

ALL ELEVATIONS SHOWN HEREON ARE BASED ON THE N.A.V.D. 1988 VERTICAL DATUM, UNLESS OTHERWISE SPECIFIED.

ELEVATIONS SHOWN HEREON ARE BASED ON A N.G.S. BENCHMARK #J899, ELEVATION 13.22' (N.A.V.D. 1988)

FLOOD ZONE DATA:

THIS IS NOT A CERTIFIED FLOOD ZONE DETERMINATION

IT IS THE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR TO VERIFY FLOOD ZONE INFORMATION AND ANY BUILDING RESTRICTIONS PRIOR TO CONSTRUCTION.

FLOOD ZONE DETERMINATION IS FOR INFORMATIONAL PURPOSES ONLY. PROPOSED FINISHED FLOOR ELEVATIONS CAN ONLY BE DETERMINED BY PERMITTING AUTHORITY.

PROPERTY SHOWN HEREON APPEARS TO LIE WITHIN FLOOD ZONE " X " BASE FLOOD ELEVATION (NOT DETERMINED) & ZONE " AE " BASE FLOOD ELEVATION (13.2 FEET) AS PER F.I.R.M. MAP #125144 0335F, DATED 11/04/2016. *TO BE VERIFIED BY THE LOCAL F.E.M.A. OFFICIAL*

SEPTIC DRAIN FIELD NOTE:

THE DRAIN FIELD(S) AS SHOWN ON THIS SURVEY IS/ARE AN APPROXIMATE LOCATION BY AN ABOVE GROUND INVESTIGATION BY PROBING AND POT HOLING. THE EXTENT OF THE OPERATING PORTION OF THIS DRAIN FIELD SYSTEM IS BEYOND THE REALM OF EXPERTISE OF THIS SURVEYOR. WITHOUT THE BENEFIT OF UNCOVERING THE SEPTIC DRAIN FIELD, IT IS IMPOSSIBLE TO DETERMINE THE PARAMETERS OF IT OR THE PERMITTED FUNCTIONING PORTION OF IT.

BOUNDARY & TOPOGRAPHIC SURVEY OF:

TRACT 3, OF THE UNRECORDED PLAT OF KENT ACRES, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE WEST 304 FEET OF THE EAST 945 FEET OF THE NORTH 726 FEET OF THAT PART OF SECTION 9, TOWNSHIP 39 SOUTH, RANGE 19 EAST, SARASOTA COUNTY, FLORIDA LYING SOUTH OF THE EXISTING R/W OF VENICE AVENUE EAST; SUBJECT TO AN EASEMENT FOR INGRESS AND EGRESS OVER THE SOUTH 15 FEET THEREOF, RESERVED IN THAT CERTAIN DEED RECORDED IN O.R. BOOK 499, PAGE 562, OF THE PUBLIC RECORDS OF SARASOTA COUNTY, FLORIDA.

NO.	REVISION DESCRIPTION	DATE

CERTIFIED TO:
MR. ROBERT KENT CONSTRUCTION, LLC
ARSSIA SHORES DEVELOPMENT, LLC

FILE NO.: 19-01-66
DATE(S) OF FIELD SURVEY: 02/15/2019

FIELD BOOK(S):	805
PAGE(S):	20-28
DRAWN BY:	M.S.P.
CHECKED BY:	B.G.R.

REVISION: 9/05/19: REVISE INVET ELEVATION, B.G.R.

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THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE "STANDARDS OF PRACTICE FOR SURVEYS" SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS & MAPPERS IN CHAPTER 5J-17.051, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, AND IS NOT INTENDED TO MEET ANY OTHER MUNICIPAL OR NATIONAL STANDARD OR REQUIREMENT UNLESS NOTED.

B. GREGORY RETH
FLORIDA SURVEYOR & MAPPER REG'N #5268
NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

STRAYER SURVEYING & MAPPING, INC.
LICENSED SURVEYOR BUSINESS NO. 6639

EST 1987 STRAYER
742 Shamrock Blvd.
Venice, Florida 34293
(941) 497-1256
(941) 497-1450
(941) 624-4800
fax (941) 497-8186
www.strayersurveying.com

SCALE: 1" = 30'

SHEET V—1

1 OF 1

NOT VALID UNLESS ALL SHEETS PRESENT

10

PRELIMINARY PLAT GENERAL NOTES:

1. CITY OF VENICE LAND DEVELOPMENT CODE, SECTION 86-231 (c) (1) b HAS BEEN SHOWN ON THE EXISTING CONDITION PLAN SHEET NO. 2.
2. THE WIDTH OF THE ALLEY, CITY OF VENICE LAND DEVELOPMENT CODE, SECTION 86-231 (c) (1) c HAS BEEN SHOWN ON SITE, SIGNAGE AND STRIPING PLAN SHEET NO. 3.
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5. THE TITLE OF THE PLAT IS "COTTAGES OF VENICE" AND THE ENTITY PLATTING "COTTAGES OF VENICE" IS : COTTAGES OF VENICE DEVELOPMENT CO. LLC.
6. CITY OF VENICE LAND DEVELOPMENT CODE, SECTION 86-231 (c) (1) i HAS BEEN SHOWN ON GRADING PLAN SHEET NO. 6 AND DRAINAGE PLAN SHEET NO. 7.
7. CITY OF VENICE LAND DEVELOPMENT CODE, SECTION 86-231 (c) (1) j HAS BEEN SHOWN ON THE EXISTING CONDITION PLAN SHEET NO. 2.
8. CITY OF VENICE LAND DEVELOPMENT CODE, SECTION 86-231 (c) (1) k ARE ATTACHED TO THE SUBMITTAL PACKAGE.

ENGINEER OF RECORD:

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10225 ULMERTON ROAD, SUITE 4D
LARGO, FL. 33771 (727) 408-5207

SURVEYOR OF RECORD:

STRAYER
742 SHAMROCK BLVD
VENICE, FL. 34293 (941) 4973-1290

UTILITIES

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TAMPA, FL.
33601-2562

FLORIDA POWER & LIGHT
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1701 RINGLING BOULEVARD
SARASOTA, FL 34230

COMCAST CABLEVISION
OF WEST FLORIDA, INC.
5205 FRUITVILLE ROAD
SARASOTA, FL 34232

LEGEND

PROPOSED	EXISTING
W	WATER MAIN
F	FIRE MAIN
RUM	RECLAIM WATER MAIN
	REDUCER
	TEMPORARY BLOWOFF
	FIRE HYDRANT
	GATE VALVE (G.V. & BOX)
	FIRE DEPARTMENT CONNECTION
	DOUBLE CHECK ASSEMBLY
	WATER METER
SS	SANITARY SEWER LINE
SSFM	SANITARY SEWER FORCEMAIN
	SANITARY SEWER MANHOLE
	CLEAN OUT
SD	STORM DRAIN
	ROOF DRAIN
	GRATE INLET
	JUNCTION BOX
	EROSION CONTROL
	OUTFALL STRUCTURE
	MITERED END SECTION (M.E.S.)
	TOP OF BANK
	FENCE OR WALL
	EASEMENT OR SETBACK
	TRAFFIC FLOW ARROW
	HANDICAP PARKING SPACE
	H.P. OR CHANGE IN GRADE
UD	UNDERDRAIN
12.50	ELEVATION
	CONTOUR
GTE	GTE
	U.G. ELECTRICAL LINE
	GAS MAIN
	DETECTABLE WARNING

SETBACK TABLE

LOT NO.	FRONT	REAR	SIDE
1–13	31 FT	10 FT	0 FT
14–26	31 FT	20 FT	0 FT
27–32	47.00 FT	43.82' FT	0 FT
33	47.05 FT	43.82' FT	0 FT
34	47.07 FT	43.82' FT	0 FT
35	47.08 FT	43.82' FT	0 FT
36	47.08 FT	43.82' FT	0 FT
1A–36A	0 FT	0 FT	0 FT

CONTRACTOR TO CALL "SUNSHINE 811" AT 811 OR 1-800-432-4770, 48 hrs. PRIOR TO ANY CLEARING OR CONSTRUCTION FOR EXISTING UTILITY LOCATIONS.

NORTH

20 0 30 60
30 10
GRAPHIC SCALE

LOT IMPERVIOUS/PERVIOUS AREA TABLE

LOT NO.	LOT AREA	HOUSE PAD	SIDEWALK	OTHER IM-PERVIOUS	PERVIOUS	BLDG LOT COVERAGE
1	2,574.00 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	535.00 S.F.	47.47%
2	2,574.00 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	535.00 S.F.	47.47%
3	2,574.00 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	535.00 S.F.	47.47%
4	2,574.00 S.F.	1,222.00 S.F.	258.00 S.F.	477.32 S.F.	616.68 S.F.	47.47%
5	2,574.00 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	535.00 S.F.	47.47%
6	2,574.00 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	535.00 S.F.	47.47%
7	2,574.00 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	535.00 S.F.	47.47%
8	2,574.00 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	535.00 S.F.	47.47%
9	2,574.00 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	535.00 S.F.	47.47%
10	2,574.00 S.F.	1,222.00 S.F.	258.00 S.F.	477.32 S.F.	616.68 S.F.	47.47%
11	2,574.00 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	535.00 S.F.	47.47%
12	2,574.00 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	535.00 S.F.	47.47%
13	2,574.00 S.F.	1,222.00 S.F.	266.70 S.F.	446.84 S.F.	638.46 S.F.	47.47%
14	2,834.26 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	795.26 S.F.	43.12%
15	2,834.26 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	795.26 S.F.	43.12%
16	2,834.26 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	795.26 S.F.	43.12%
17	2,834.26 S.F.	1,222.00 S.F.	258.00 S.F.	477.32 S.F.	876.94 S.F.	43.12%
18	2,834.26 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	795.26 S.F.	43.12%
19	2,834.26 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	795.26 S.F.	43.12%
20	2,834.26 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	795.26 S.F.	43.12%
21	2,834.26 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	795.26 S.F.	43.12%
22	2,834.26 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	795.26 S.F.	43.12%
23	2,834.26 S.F.	1,222.00 S.F.	258.00 S.F.	477.32 S.F.	876.94 S.F.	43.12%
24	2,834.26 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	795.26 S.F.	43.12%
25	2,834.26 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	795.26 S.F.	43.12%
26	2,834.26 S.F.	1,222.00 S.F.	258.22 S.F.	455.79 S.F.	898.25 S.F.	43.12%
27	3,869.32 S.F.	1,222.00 S.F.	243.00 S.F.	881.00 S.F.	1,523.30 S.F.	31.58%
28	3,869.32 S.F.	1,222.00 S.F.	258.00 S.F.	975.00 S.F.	1,414.32 S.F.	31.58%
29	3,869.32 S.F.	1,222.00 S.F.	258.00 S.F.	975.00 S.F.	1,414.32 S.F.	31.58%
30	3,869.32 S.F.	1,222.00 S.F.	305.39 S.F.	876.75 S.F.	1,465.18 S.F.	31.58%
31	3,869.32 S.F.	1,222.00 S.F.	258.00 S.F.	975.00 S.F.	1,414.32 S.F.	31.58%
32	3,869.32 S.F.	1,222.00 S.F.	258.00 S.F.	975.00 S.F.	1,414.32 S.F.	31.58%
33	3,870.04 S.F.	1,222.00 S.F.	258.00 S.F.	975.00 S.F.	1,415.04 S.F.	31.57%
34	3,871.28 S.F.	1,222.00 S.F.	258.00 S.F.	975.00 S.F.	1,416.28 S.F.	31.56%
35	3,871.47 S.F.	1,222.00 S.F.	258.00 S.F.	884.65 S.F.	1,506.82 S.F.	31.56%
36	3,871.47 S.F.	1,222.00 S.F.	280.95 S.F.	650.13 S.F.	1,718.39 S.F.	31.56%
1A–36A	273.66 S.F.	N/A	N/A	N/A	N/A	100%

TRACT IMPERVIOUS/PERVIOUS AREA TABLE

TRACT	AREA	BUILDING	SIDEWALK POOL/DECK	OTHER IMPERVIOUS	PERVIOUS
A	59,210.19 S.F.	N/A S.F.	N/A S.F.	164.78 S.F.	59,045.41S.F.
B	8,502.98 S.F.	N/A S.F.	N/A S.F.	N/A S.F.	8,502.98 S.F.
C	3182.46 S.F.	N/A S.F.	N/A S.F.	N/A S.F.	3182.46 S.F.
D	4,230.68 S.F.	N/A S.F.	N/A S.F.	N/A S.F.	4,230.68 S.F.
E	3,227.01 S.F.	1,602.00 S.F.	1,233.01 S.F.	N/A S.F.	N/A S.F.

EASEMENT AREA TABLE

EASEMENT NUMBER	USE	MAINTAINED BY	BENEFIT TO
1	INGRESS/EGRESS/ DRAINAGE/UTILITY/PARKING/ SIDEWALK	HOA, UC, COV	HOA, UC, COV
2	8.6' DRAINAGE EASEMENT	HOA	HOA
3	20' DRAINAGE EASEMENT	HOA	HOA
4	DRAINAGE EASEMENT	HOA	HOA
5	UTILITY EASEMENT	HOA, UC, COV	HOA, UC, COV
6	INGRESS/EGRESS/DRAINAGE/ PARKING/SIDEWALK EASEMENT	HOA, COV	HOA, COV
7	UTILITY EASEMENT	HOA, UC, COV	HOA, UC, COV

ABBREVIATIONS:
HOA HOME OWNERS' ASSOCIATION
COV CITY OF VENICE
UC UTILITY COMPANY

COMMON AREA TRACT TABLE

TRACT NAME	USE	MAINTAINED BY	BENEFIT TO
A	POND/LANDSCAPING/SWALE/DRAINAGE	HOA	HOA
B	POND/LANDSCAPING/SWALE/DRAINAGE	HOA	HOA
C	POND/LANDSCAPING/SWALE/DRAINAGE	HOA	HOA
D	POND/LANDSCAPING/SWALE/DRAINAGE	HOA	HOA
E	POND/DECK AREA/CLUBHOUSE/ SIDEWALK	HOA	HOA

ABBREVIATIONS:
HOA HOME OWNERS' ASSOCIATION
COV CITY OF VENICE
UC UTILITY COMPANY

KUNZE ROAD
E. VENICE AVE.
PROPERTY LINE
N00°20'02"W 725.75'(M)
S00°20'02"E 725.75'(M)
S89°56'10"E 303.96'
N89°56'10"W 303.96'
UTILITY EASEMENT EASEMENT NO. 5
DRAINAGE EASEMENT EASEMENT NO. 4
TRACT A COMMON TRACT POND/LANDSCAPING/SWALE/DRAINAGE
TRACT B COMMON TRACT POND/LANDSCAPING/SWALE/DRAINAGE
TRACT C COMMON TRACT POND/LANDSCAPING/ SWALE/DRAINAGE
TRACT D COMMON TRACT POND/LANDSCAPING/ SWALE/DRAINAGE
TRACT E COMMON TRACT POOL/DECK AREA/ CLUBHOUSE
UTILITY EASEMENT EASEMENT NO. 7
UTILITY EASEMENT EASEMENT NO. 6
8.6' DRAINAGE EASEMENT EASEMENT NO. 2
INGRESS/EGRESS/DRAINAGE/ PARKING/SIDEWALK EASEMENT EASEMENT NO. 6
INGRESS/EGRESS/DRAINAGE/ UTILITY/PARKING/SIDEWALK EASEMENT EASEMENT NO. 1
20' DRAINAGE EASEMENT EASEMENT NO. 3

CLIENT:	PROJECT NAME: SEC. 9 TWP. 39S RNG. 19E	PROJECT NUMBER	NO.	DATE	BY	REVISIONS
MPS DEVELOPMENT AND CONSTRUCTION, LLC 333 S. TAMIAMI TRAIL, SUITE 205 VENICE, FL. 34285	COTTAGES OF VENICE PRELIMINARY PLAT	18-2382 SCALE 1"=30'	1	3-12-21	SAG	REVISE PLAN AS PER CITY COMMENTS

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PEER
PROFESSIONAL ENGINEERING RESOURCES, INC.
10225 ULMERTON ROAD, SUITE 4D LARGO, FL. 33771
CIVIL ENGINEERS, PLANNERS, PERMIT EXPEDITORS (727) 408-5207
CERTIFICATE OF AUTHORIZATION NUMBER: 4401

DRAWING TYPE
■ PRELIMINARY
□ CONSTRUCTION
□ RECORD

DESIGNED BY: PVS CHECKED BY: PVS
DRAWN BY: SAG DATE: 10-19-20

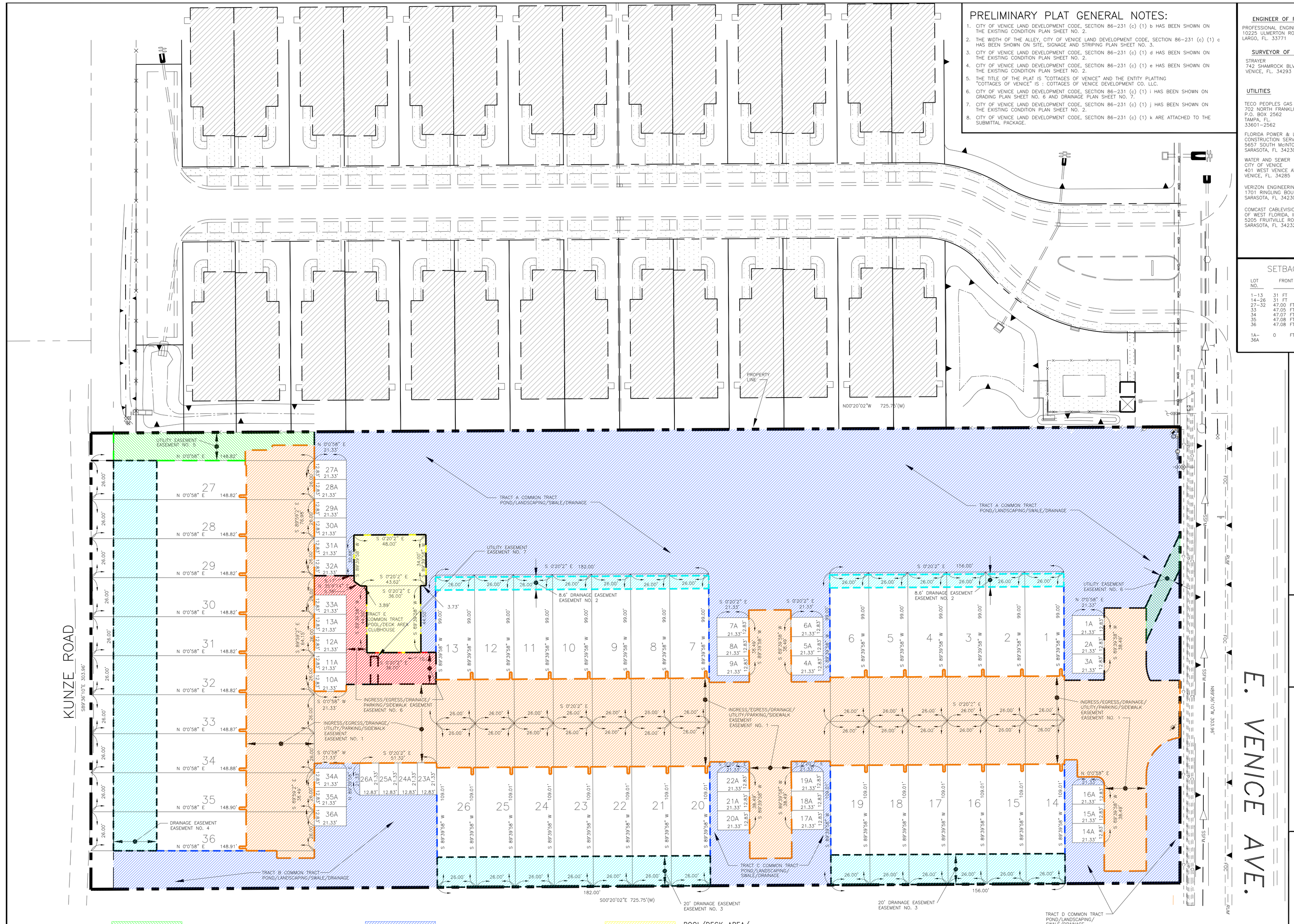
PAUL V. SHERMA, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 35628

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY PAUL V. SHERMA, PE. ON THE DATE ADJACENT TO THE SEAL USING A SHA AUTHENTICATION CODE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES. 10-19-20.

APPROVED

PAUL V. SHERMA,REG. NO. 35628

SHEET NUMBER 15



PRELIMINARY PLAT GENERAL NOTES:

1. CITY OF VENICE LAND DEVELOPMENT CODE, SECTION 86-231 (c) (1) b HAS BEEN SHOWN ON THE EXISTING CONDITION PLAN SHEET NO. 2.
2. THE WIDTH OF THE ALLEY, CITY OF VENICE LAND DEVELOPMENT CODE, SECTION 86-231 (c) (1) c HAS BEEN SHOWN ON SITE, SIGNAGE AND STRIPING PLAN SHEET NO. 3.
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LEGEND

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W	WATER MAIN
F	FIRE MAIN
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	GRATE INLET
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12.50	ELEVATION
	CONTOUR
GTE	GTE
	U.G. ELECTRICAL LINE
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SETBACK TABLE

LOT NO.	FRONT	REAR	SIDE
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1A–36A	0 FT	0 FT	0 FT

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NORTH

20 0 30 60
30 10
GRAPHIC SCALE

LOT IMPERVIOUS/PERVIOUS AREA TABLE

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22	2,834.26 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	795.26 S.F.	43.12%
23	2,834.26 S.F.	1,222.00 S.F.	258.00 S.F.	477.32 S.F.	876.94 S.F.	43.12%
24	2,834.26 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	795.26 S.F.	43.12%
25	2,834.26 S.F.	1,222.00 S.F.	258.00 S.F.	559.00 S.F.	795.26 S.F.	43.12%
26	2,834.26 S.F.	1,222.00 S.F.	258.00 S.F.	455.79 S.F.	898.25 S.F.	43.12%
27	3,869.32 S.F.	1,222.00 S.F.	243.00 S.F.	881.02 S.F.	1,523.30 S.F.	31.58%
28	3,869.32 S.F.	1,222.00 S.F.	258.00 S.F.	975.00 S.F.	1,414.32 S.F.	31.58%
29	3,869.32 S.F.	1,222.00 S.F.	258.00 S.F.	975.00 S.F.	1,414.32 S.F.	31.58%
30	3,869.32 S.F.	1,222.00 S.F.	305.39 S.F.	876.75 S.F.	1,465.18 S.F.	31.58%
31	3,869.32 S.F.	1,222.00 S.F.	258.00 S.F.	975.00 S.F.	1,414.32 S.F.	31.58%
32	3,869.32 S.F.	1,222.00 S.F.	258.00 S.F.	975.00 S.F.	1,414.32 S.F.	31.58%
33	3,870.04 S.F.	1,222.00 S.F.	258.00 S.F.	975.00 S.F.	1,415.04 S.F.	31.57%
34	3,871.28 S.F.	1,222.00 S.F.	258.00 S.F.	975.00 S.F.	1,416.28 S.F.	31.56%
35	3,871.47 S.F.	1,222.00 S.F.	258.00 S.F.	884.65 S.F.	1,506.82 S.F.	31.56%
36	3,871.47 S.F.	1,222.00 S.F.	280.95 S.F.	650.13 S.F.	1,718.39 S.F.	31.56%
1A–36A	273.66 S.F.	N/A	N/A	N/A	N/A	100%

TRACT IMPERVIOUS/PERVIOUS AREA TABLE

TRACT	AREA	BUILDING	SIDEWALK POOL/DECK	OTHER IMPERVIOUS	PERVIOUS
A	59,210.19 S.F.	N/A S.F.	N/A S.F.	164.78 S.F.	59,045.41S.F.
B	8,502.98 S.F.	N/A S.F.	N/A S.F.	N/A S.F.	8,502.98 S.F.
C	3182.46 S.F.	N/A S.F.	N/A S.F.	N/A S.F.	3182.46 S.F.
D	4,230.68 S.F.	N/A S.F.	N/A S.F.	N/A S.F.	4,230.68 S.F.
E	3,227.01 S.F.	1,602.00 S.F.	1,233.01 S.F.	N/A S.F.	N/A S.F.

EASEMENT AREA TABLE

EASEMENT NUMBER	USE	MAINTAINED BY	BENEFIT TO
1	INGRESS/EGRESS/ DRAINAGE/UTILITY/PARKING/ SIDEWALK	HOA, UC, COV	HOA, UC, COV
2	8.6' DRAINAGE EASEMENT	HOA	HOA
3	20' DRAINAGE EASEMENT	HOA	HOA
4	DRAINAGE EASEMENT	HOA	HOA
5	UTILITY EASEMENT	HOA, UC, COV	HOA, UC, COV
6	INGRESS/EGRESS/DRAINAGE/ PARKING/SIDEWALK EASEMENT	HOA, COV	HOA, COV
7	UTILITY EASEMENT	HOA, UC, COV	HOA, UC, COV

ABBREVIATIONS:
HOA HOME OWNERS' ASSOCIATION
COV CITY OF VENICE
UC UTILITY COMPANY

COMMON AREA TRACT TABLE

TRACT NAME	USE	MAINTAINED BY	BENEFIT TO
A	POND/LANDSCAPING/SWALE/DRAINAGE	HOA	HOA
B	POND/LANDSCAPING/SWALE/DRAINAGE	HOA	HOA
C	POND/LANDSCAPING/SWALE/DRAINAGE	HOA	HOA
D	POND/LANDSCAPING/SWALE/DRAINAGE	HOA	HOA
E	POOL/DECK AREA/CLUBHOUSE/ SIDEWALK	HOA	HOA

ABBREVIATIONS:
HOA HOME OWNERS' ASSOCIATION
COV CITY OF VENICE
UC UTILITY COMPANY

CLIENT:
MPS DEVELOPMENT AND CONSTRUCTION, LLC
333 S. TAMIAMI TRAIL, SUITE 205
VENICE, FL. 34285

PROJECT NAME: SEC. 9 TWP. 39S RNG. 19E
COTTAGES OF VENICE
PRELIMINARY PLAT (COLOR CODED)

PROJECT NUMBER: 18-2382
SCALE: 1"=30'

NO.	DATE	BY	REVISIONS
1	3-12-21	SAG	REVISE PLAN AS PER CITY COMMENTS

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PROFESSIONAL ENGINEERING RESOURCES, INC.
10225 ULMERTON ROAD, SUITE 4D LARGO, FL. 33771
CIVIL ENGINEERS, PLANNERS, PERMIT EXPEDITORS (727) 408-5207
CERTIFICATE OF AUTHORIZATION NUMBER: 4401

DRAWING TYPE
■ PRELIMINARY
□ CONSTRUCTION
□ RECORD

DESIGNED BY: PVS CHECKED BY: PVS
DRAWN BY: SAG DATE: 10-19-20

PAUL V. SHERMA, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 35628
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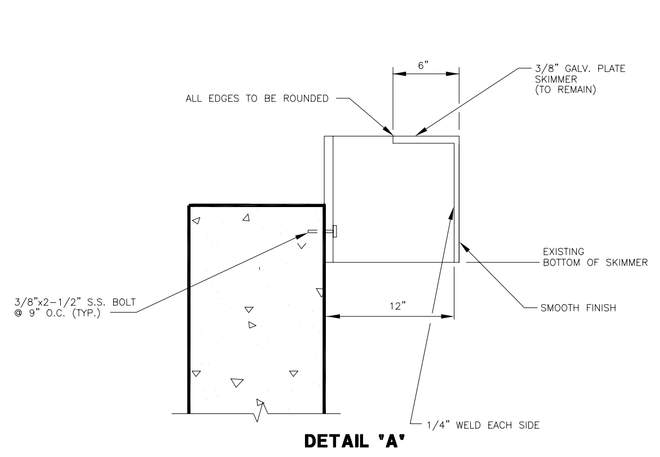
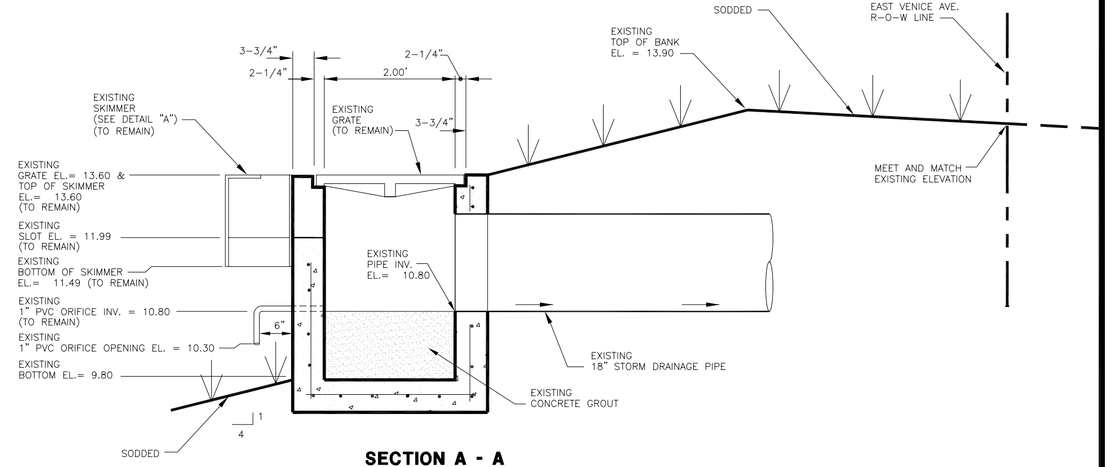
APPROVED
PAUL V. SHERMA,REG. NO. 35628

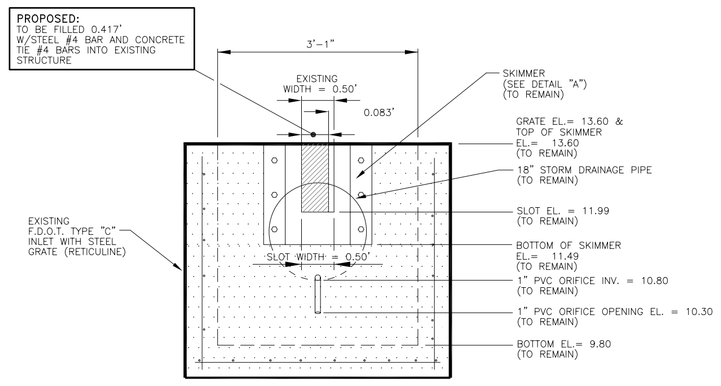
SHEET NUMBER
15A



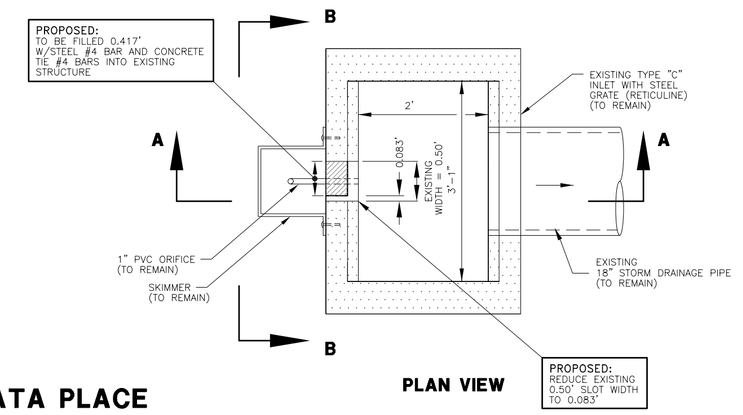
DETAIL "A"



SECTION A - A

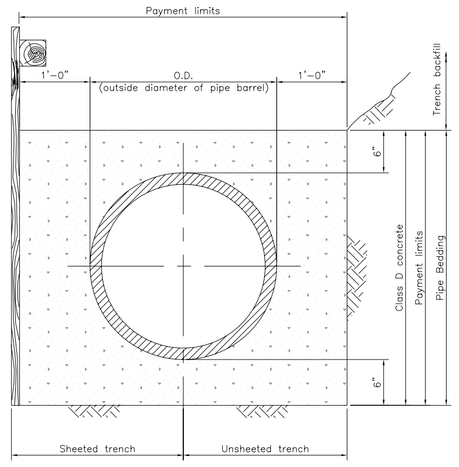


SECTION B - B

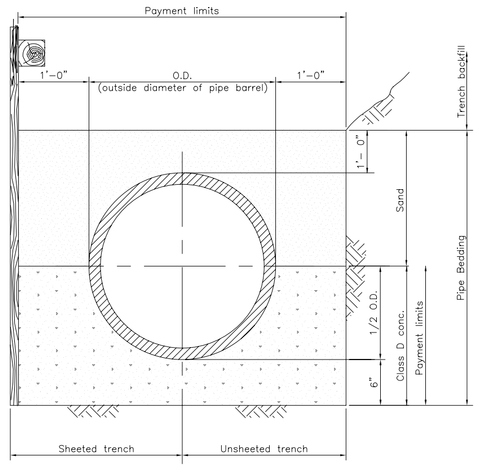


PLAN VIEW

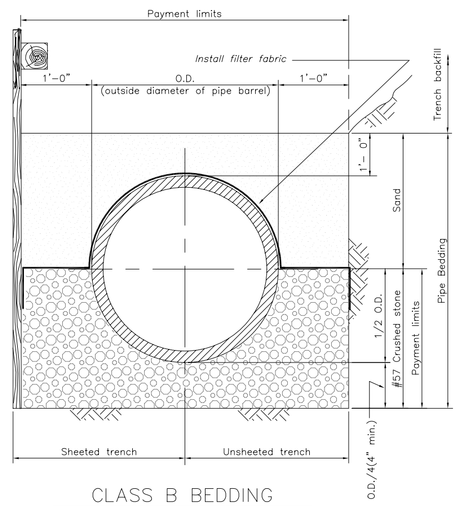
CASSATA PLACE
DETENTION POND "A"
OUTFALL STRUCTURE DETAIL
(SLOT WIDTH TO BE MODIFIED)



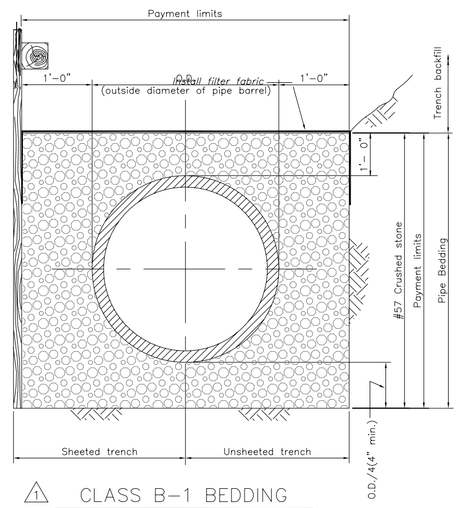
CONCRETE ENCASEMENT



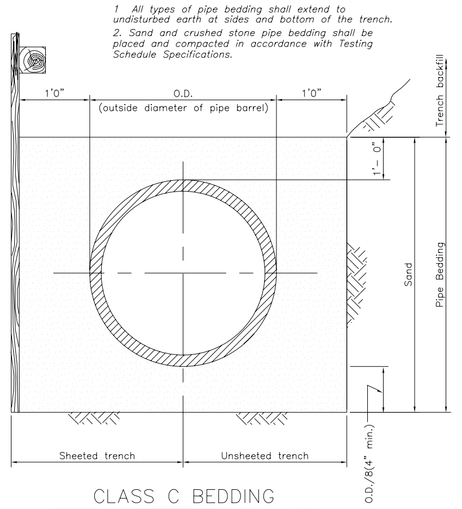
CLASS A BEDDING (CONCRETE CRADLE)



CLASS B BEDDING



⚠ CLASS B-1 BEDDING



CLASS C BEDDING

NOTES:

1. All types of pipe bedding shall extend to undisturbed earth at sides and bottom of the trench.
2. Sand and crushed stone pipe bedding shall be placed and compacted in accordance with Testing Schedule Specifications.

PIPE BEDDING DETAILS

NOT TO SCALE

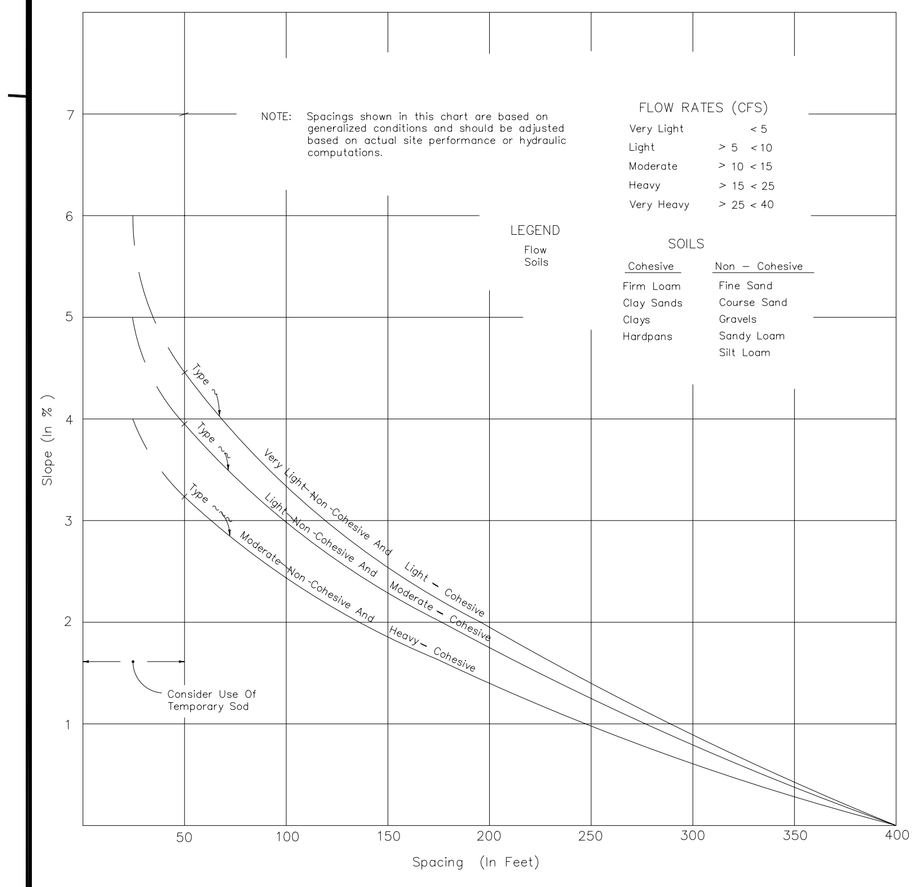
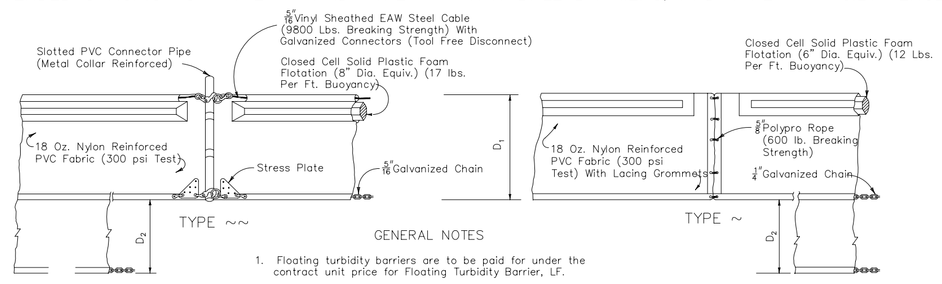


CHART ~

RECOMMENDED SPACING FOR TYPE ~ AND TYPE ~~ HAY BALE BARRIERS, AND TYPE ~~~ SILT FENCES

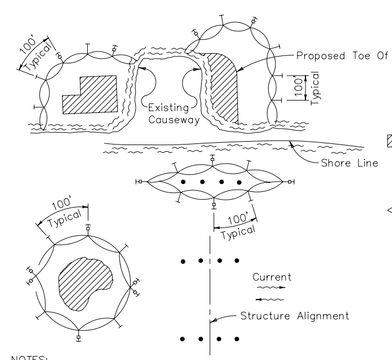


GENERAL NOTES

1. Floating turbidity barriers are to be paid for under the contract unit price for Floating Turbidity Barrier, LF.
2. Staked turbidity barriers are to be paid for under the contract unit price for Staked Turbidity Barrier, LF.

D_1 =5' Std. (Single Panel For Depths 5' or Less).
D_2 =5' Std. (Additional Panel For Depths 5').
Curtain To Reach Bottom Up To Depths Of 10 Feet. Two(2) Panels To Be Used For Depths Greater Than 10 Feet Unless Special Depth Curtains Specifically Called For In The Plans Or As Determined By The Engineer.

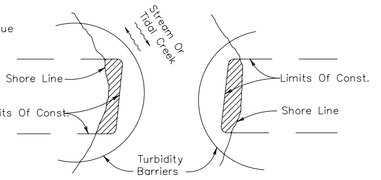
NOTICE: COMPONENTS OF TYPES ~ AND ~~ MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES ~ AND ~~ SHALL BE AS APPROVED BY THE ENGINEER.



FLOATING TURBIDITY BARRIERS

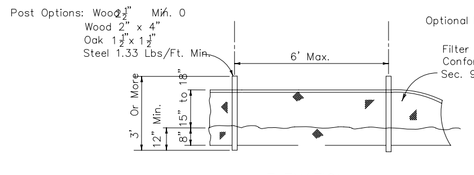
NOTES:

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



Note: Turbidity barriers for flowing streams and tidal creeks may be either floating, or staked types or any combinations of types that will suit site conditions and meet erosion control and water quality requirements. The barrier type(s) will be at the Contractors option unless otherwise specified in the plans, however payment will be under the pay item(s) established in the plans for Floating Turbidity Barrier and/or Staked Turbidity Barrier. Posts in staked turbidity barriers to be installed in vertical position unless otherwise directed by the Engineer.

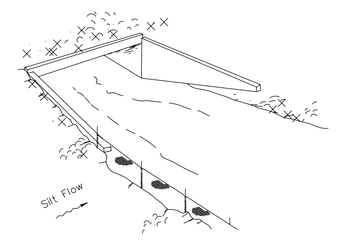
TURBIDITY BARRIER APPLICATIONS



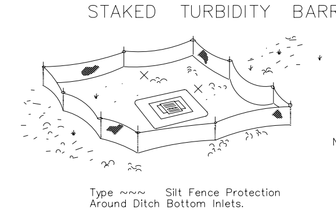
ELEVATION SECTION

Note: Silt Fence to be paid for under the contract unit price for Staked Silt Fence (LF).

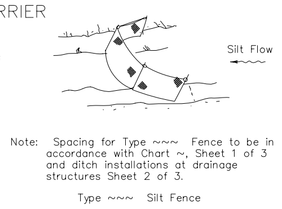
TYPE ~~~ SILT FENCE



Type ~~~ Silt Fence



Type ~~~ Silt Fence Protection Around Ditch Bottom Inlets.



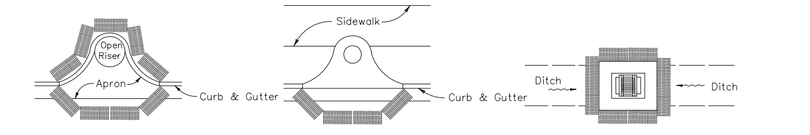
Note: Spacing for Type ~~~ Fence to be in accordance with Chart ~, Sheet 1 of 3 and ditch installations at drainage structures Sheet 2 of 3.

Type ~~~ Silt Fence

Do not deploy in a manner that silt fences will act as a dam across permanent flowing watercourses. Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water.

SILT FENCE APPLICATIONS

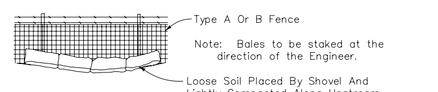
TUBIDITY BARRIERS



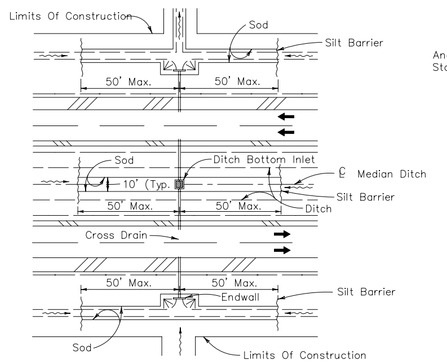
PARTIAL INLET COMPLETED INLET DITCH BOTTOM INLET

Anchor Bales With 2 – 2" x 2" Stakes Per Bale.

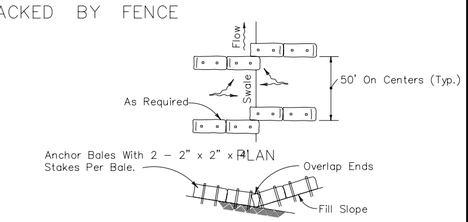
PROTECTION AROUND INLETS OR SIMILAR STRUCTURES



BALES BACKED BY FENCE

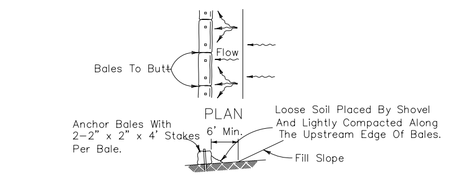


DITCH INSTALLATIONS AT DRAINAGE STRUCTURES



ELEVATION

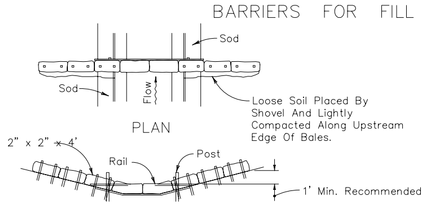
TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES TOWARD THE TOE OF SLOPE



ELEVATION

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

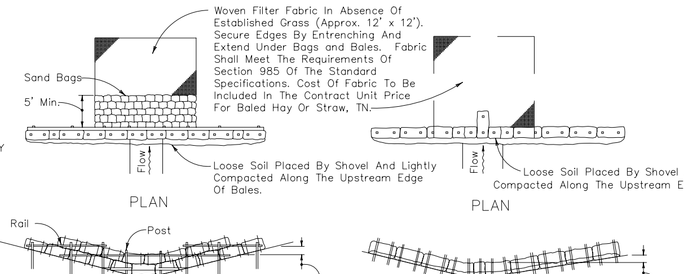
BARRIERS FOR FILL SLOPES



ELEVATION

Spacing: Bale barriers for paved ditches should be spaced in accordance with Chart J, Sheet 1 of 3, Index No. 102

BARRIER FOR PAVED DITCH



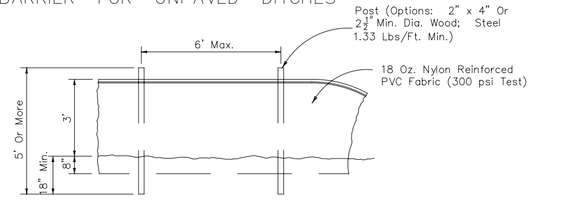
ELEVATION ELEVATION

Anchor Lower Bales With 2 – 2" x 2" x 4" Stakes Per Bale.
Anchor Top Bales To Lower Bales With 2 – 2" x 2" x 4" Stakes Per Bale.
Anchor Bales With 2 – 2" x 2" x 4" Stakes Per Bale

Application and Spacing: The use of Types I & II bale barriers should be limited to the conditions outlined in Chart I, Sheet 1 of 3, Index No. 102

TYPE II TYPE I

BARRIER FOR UNPAVED DITCHES



STAKED TURBIDITY BARRIER

CLIENT:	PROJECT NAME: SEC. 9 TWP. 39S RNG. 19E	PROJECT NUMBER	NO.	DATE	BY	REVISIONS
MPS DEVELOPMENT AND CONSTRUCTION, LLC 333 S. TAMIAMI TRAIL, SUITE 205 VENICE, FL. 34285	COTTAGES OF VENICE PAVING, GRADING AND DRAINAGE DETAILS	18-2382 SCALE N.T.S.				

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PROFESSIONAL ENGINEERING RESOURCES, INC.
10225 ULMERTON ROAD, SUITE 4D LARGO, FL. 33771
CIVIL ENGINEERS, PLANNERS, PERMIT EXPEDITORS (727) 408-5207
CERTIFICATE OF AUTHORIZATION NUMBER: 4401

DRAWING TYPE
■ PRELIMINARY
□ CONSTRUCTION
□ RECORD

DESIGNED BY: PVS CHECKED BY: PVS
DRAWN BY: SAG DATE: 10-19-20

PAUL V. SHERMA, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 35628

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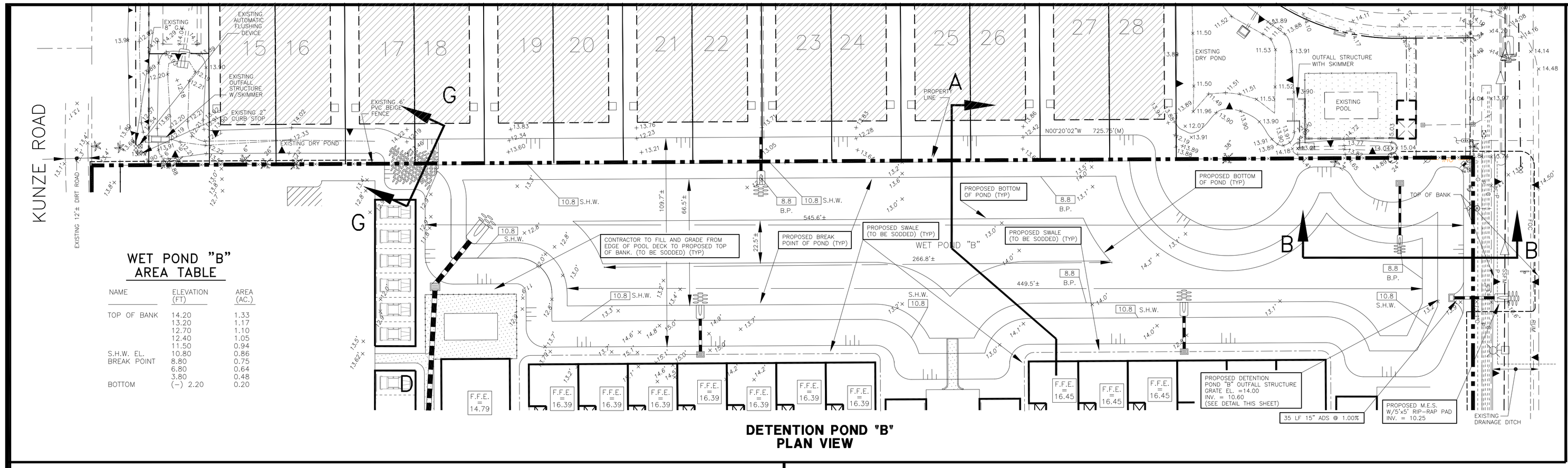
APPROVED

PAUL V. SHERMA,REG. NO. 35628

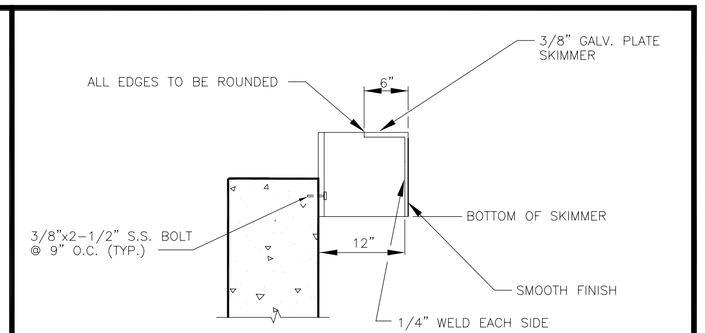
SHEET NUMBER 19



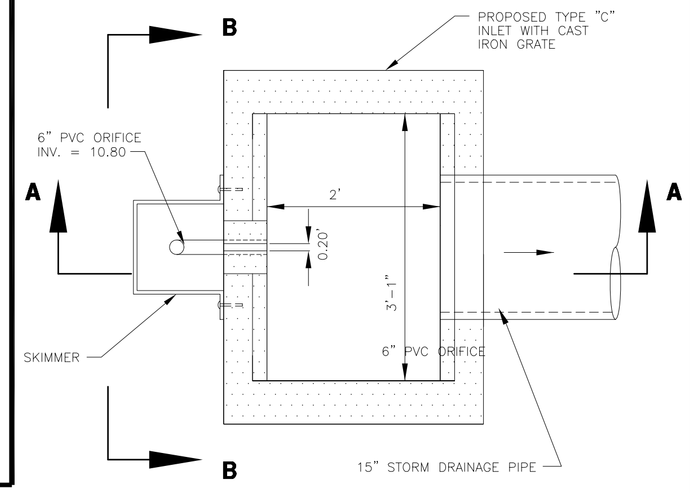
WET POND "B" AREA TABLE

NAME	ELEVATION (FT)	AREA (AC.)
TOP OF BANK	14.20	1.33
	13.20	1.17
	12.70	1.10
	12.40	1.05
	11.50	0.94
S.H.W. EL.	10.80	0.86
BREAK POINT	8.80	0.75
	6.80	0.64
	3.80	0.48
BOTTOM	(–) 2.20	0.20

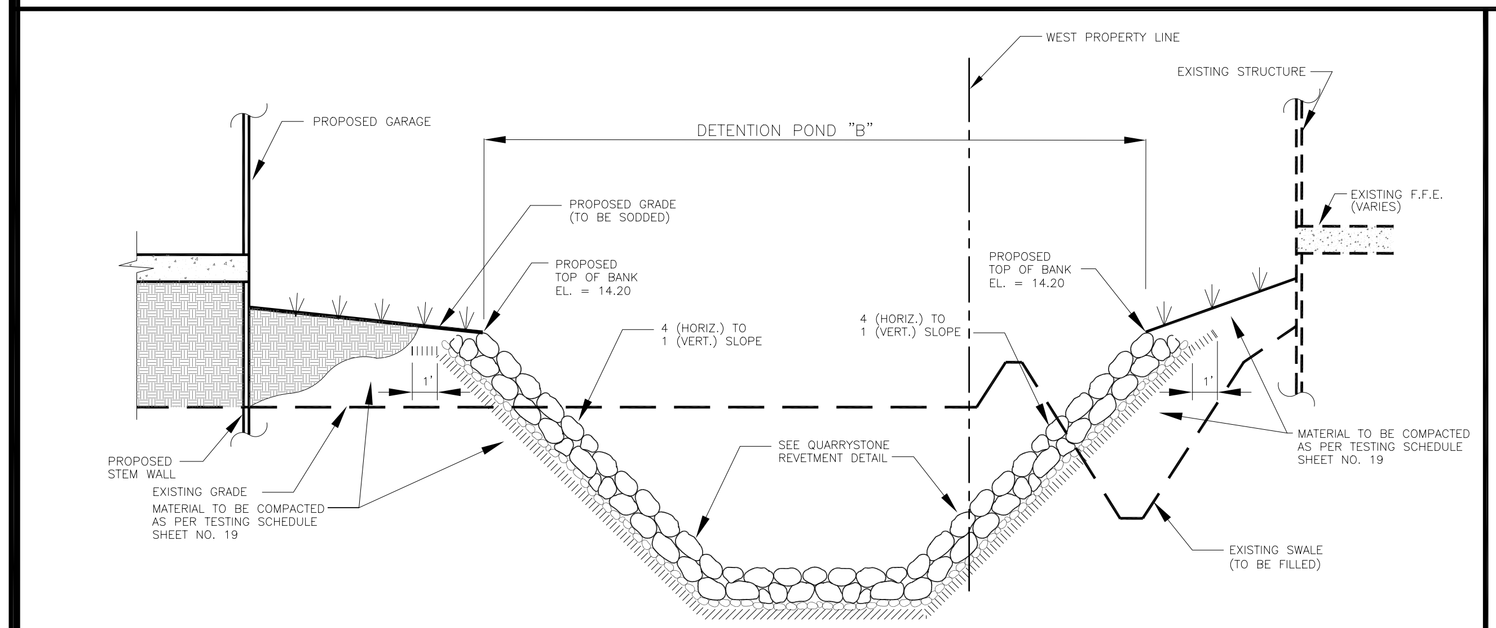
DETENTION POND "B"
PLAN VIEW



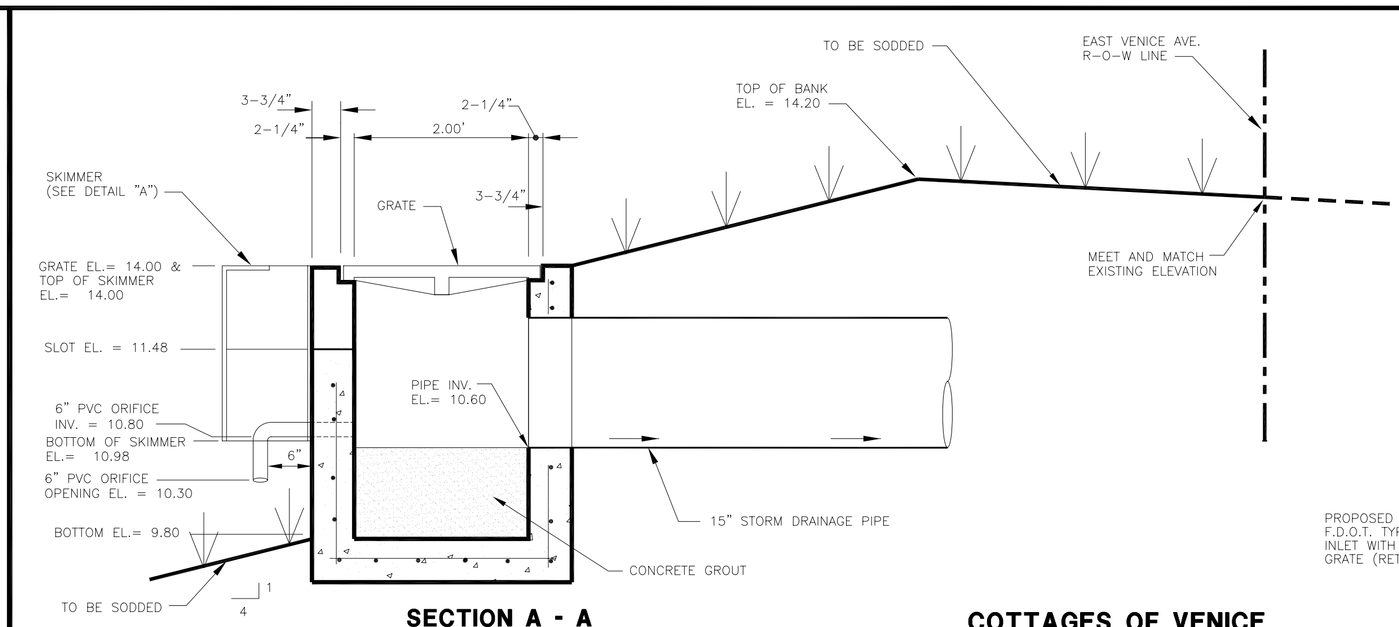
DETAIL "A"



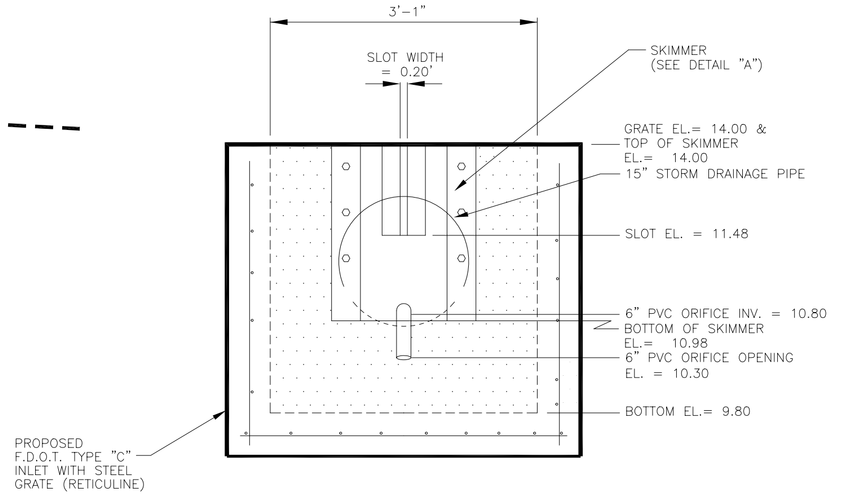
PLAN VIEW



SECTION G-G
N.T.S.

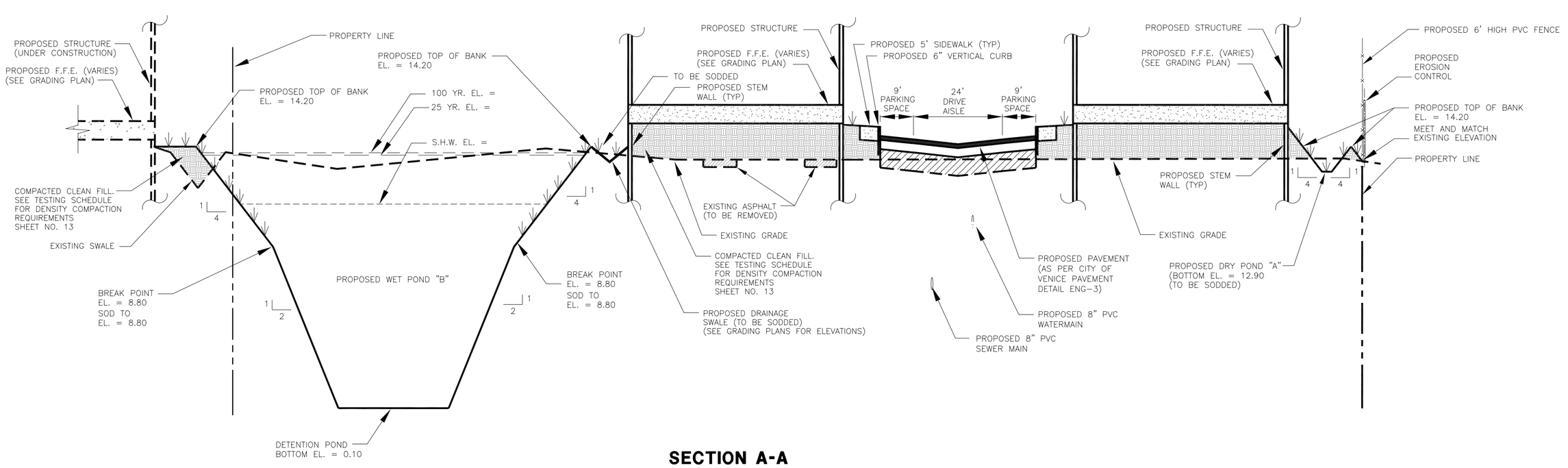


SECTION A - A



SECTION B - B

COTTAGES OF VENICE
DETENTION POND "B"
OUTFALL STRUCTURE DETAIL



SECTION A-A
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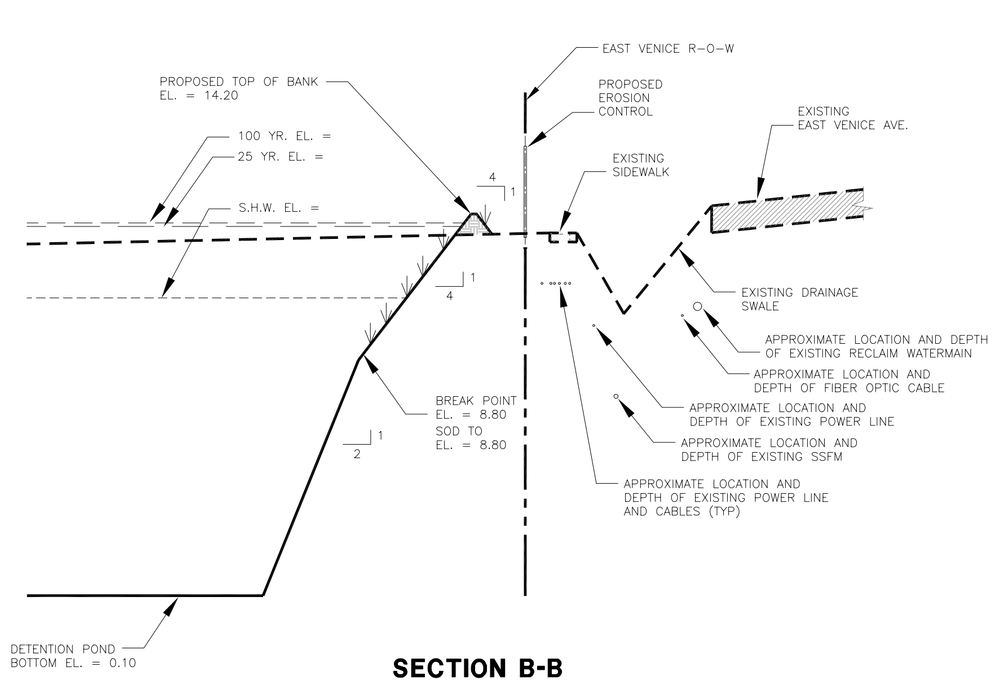

SECTION B-B
N.T.S.

CLIENT:

MPS DEVELOPMENT AND CONSTRUCTION, LLC
333 S. TAMIAMI TRAIL, SUITE 205
VENICE, FL. 34285

PROJECT NAME: SEC. 9 TWP. 39S RNG. 19E

COTTAGES OF VENICE

PAVING, GRADING AND DRAINAGE DETAILS

PROJECT NUMBER: 18-2382

SCALE: N.T.S.

NO.	DATE	BY	REVISIONS
1	3-12-21	SAG	REVISE AS PER CITY COMMENTS

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PROFESSIONAL ENGINEERING RESOURCES, INC.
10225 ULMERTON ROAD, SUITE 4D LARGO, FL. 33771
CIVIL ENGINEERS, PLANNERS, PERMIT EXPEDITORS (727) 408-5207
CERTIFICATE OF AUTHORIZATION NUMBER: 4401

DRAWING TYPE
- ■ PRELIMINARY
- □ CONSTRUCTION
- □ RECORD

DESIGNED BY: PVS CHECKED BY: PVS
DRAWN BY: SAG DATE: 10-19-20

PAUL V. SHERMA, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 35628

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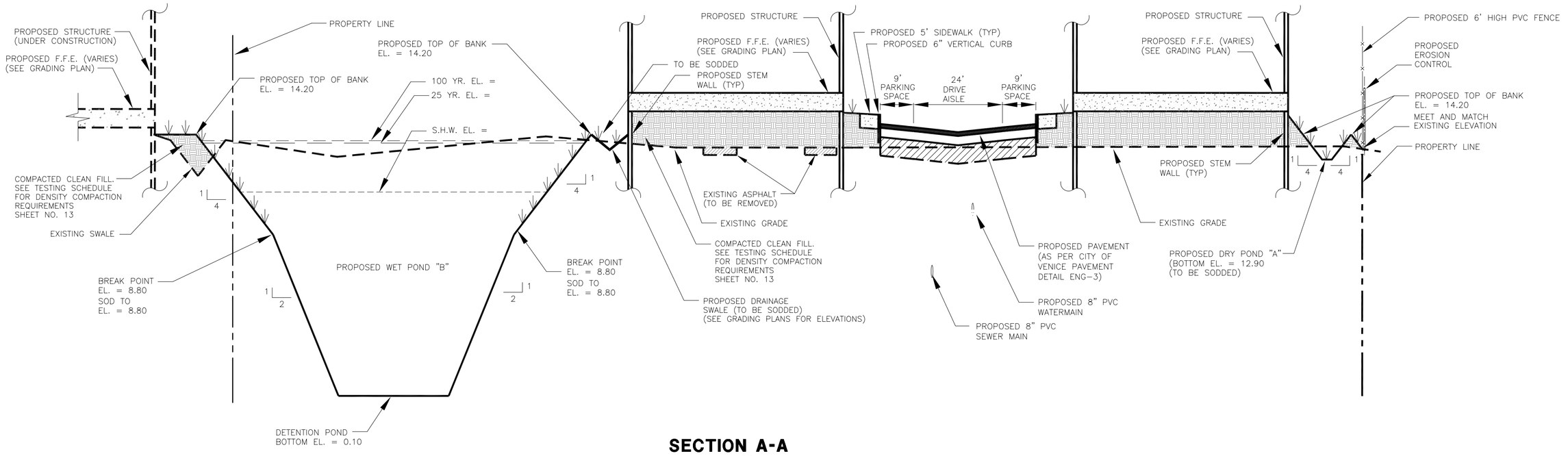
APPROVED

PAUL V. SHERMA,REG. NO. 35628

SHEET NUMBER: 20



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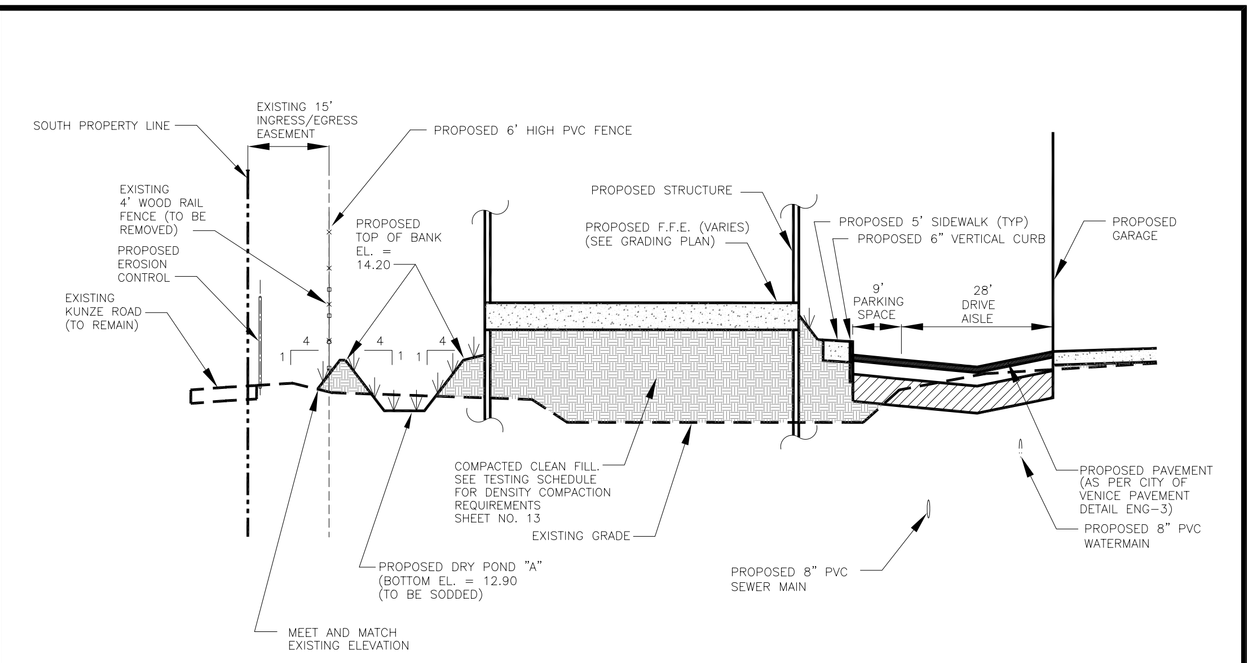

SECTION D-D
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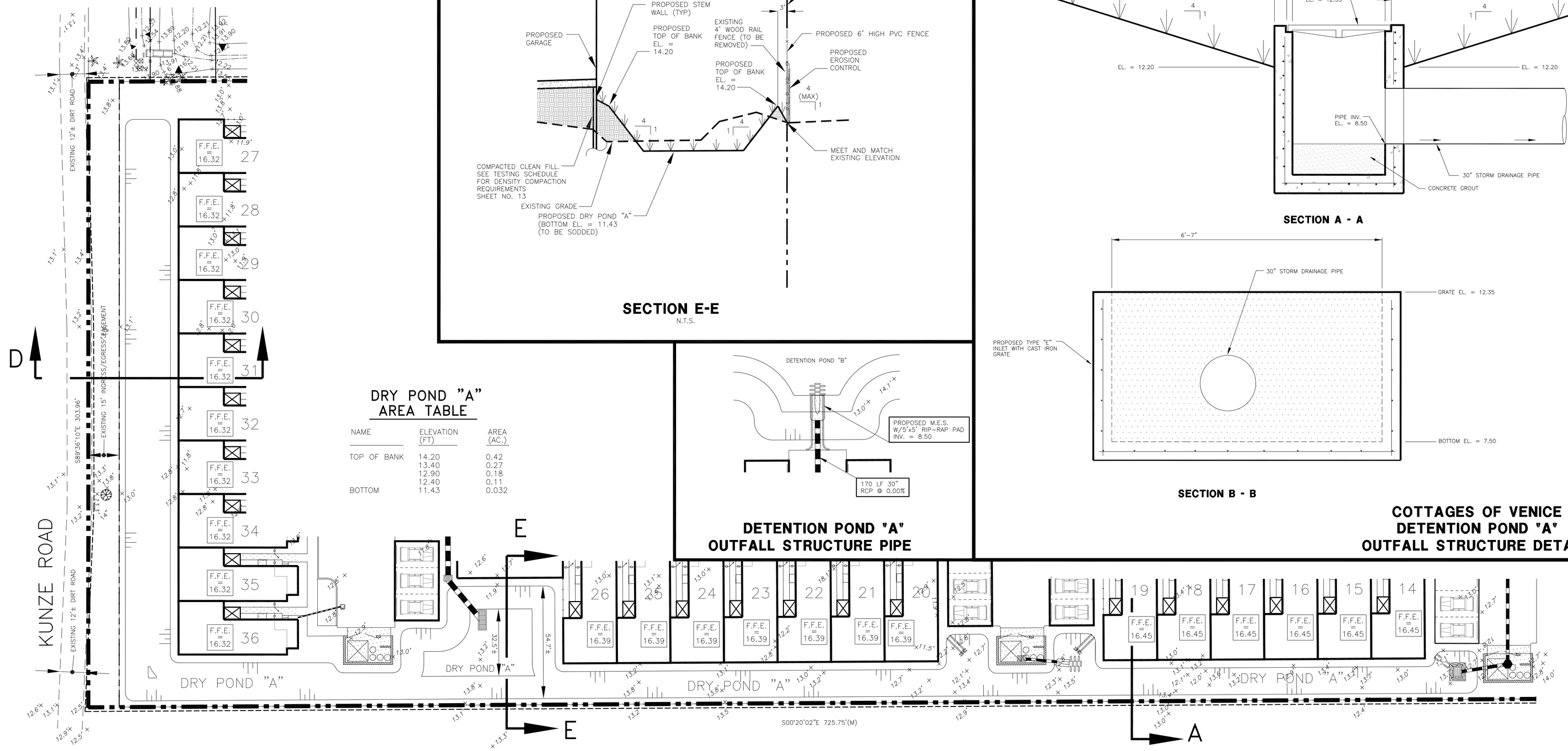
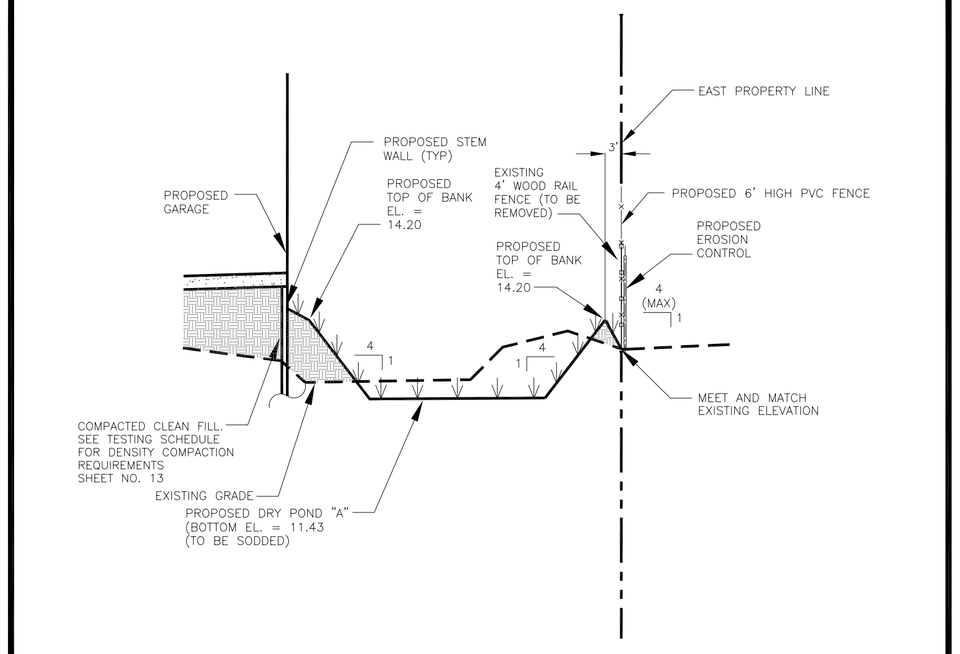


DETENTION POND "A"
PLAN VIEW



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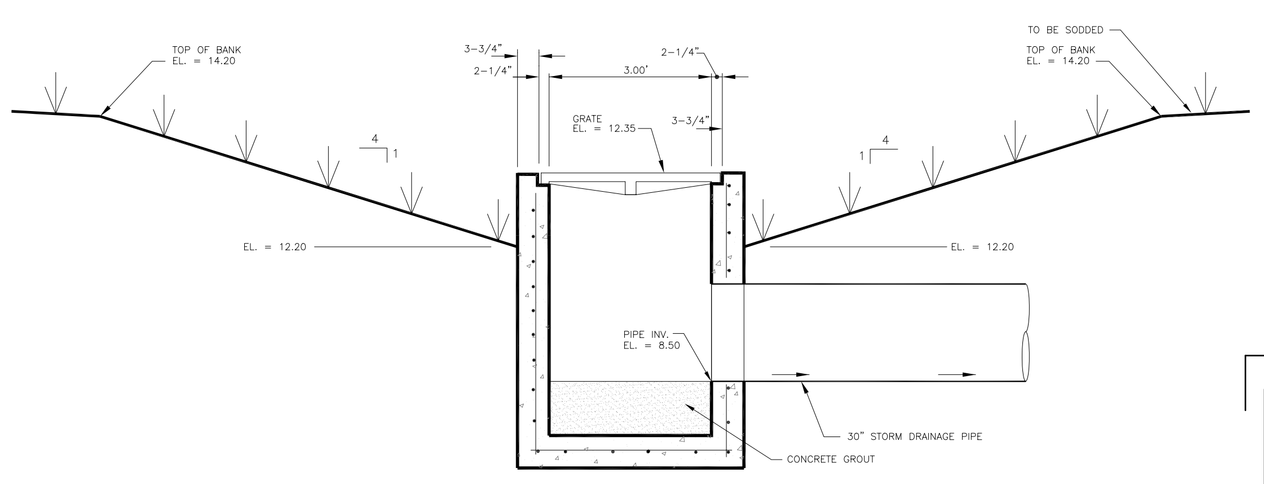
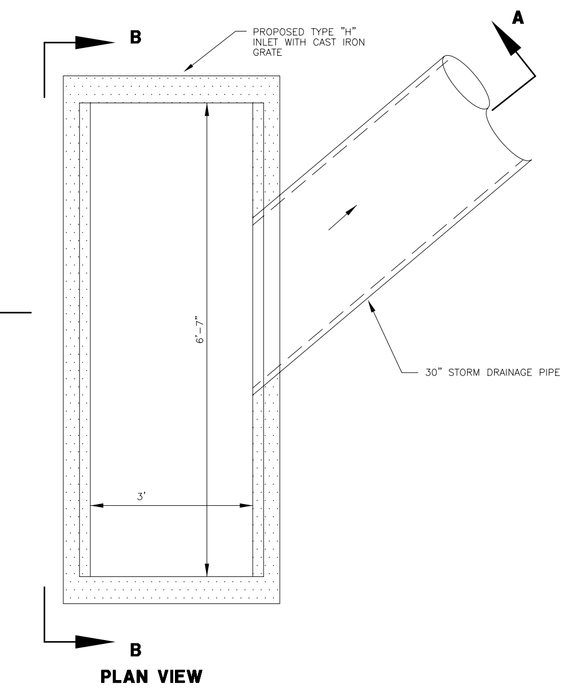


SECTION A - A

SECTION B - B



PLAN VIEW

COTTAGES OF VENICE
DETENTION POND "A"
OUTFALL STRUCTURE DETAIL

DETENTION POND "A"
OUTFALL STRUCTURE PIPE

DRY POND "A"
AREA TABLE

NAME	ELEVATION (FT)	AREA (AC.)
TOP OF BANK	14.20	0.42
	13.40	0.27
	12.90	0.18
	12.40	0.11
BOTTOM	11.43	0.032

CLIENT:	PROJECT NAME: SEC. 9 TWP. 39S RNG. 19E	PROJECT NUMBER	NO.	DATE	BY	REVISIONS
MPS DEVELOPMENT AND CONSTRUCTION, LLC 333 S. TAMIAMI TRAIL, SUITE 205 VENICE, FL. 34285	COTTAGES OF VENICE PAVING, GRADING AND DRAINAGE DETAILS	18-2382 SCALE N.T.S.	1	3-10-21	SAG	REVISE AS PER CITY COMMENTS

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10225 ULMERTON ROAD, SUITE 4D LARGO, FL. 33771
CIVIL ENGINEERS, PLANNERS, PERMIT EXPEDITORS (727) 498-5207
CERTIFICATE OF AUTHORIZATION NUMBER: 4401

DRAWING TYPE
■ PRELIMINARY
□ CONSTRUCTION
□ RECORD

DESIGNED BY: PVS CHECKED BY: PVS
DRAWN BY: SAG DATE: 10-19-20
PAUL V. SHERMA, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 35628

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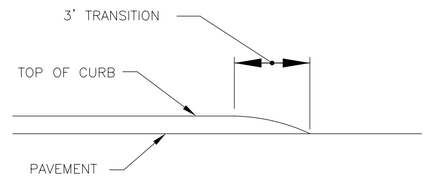
APPROVED

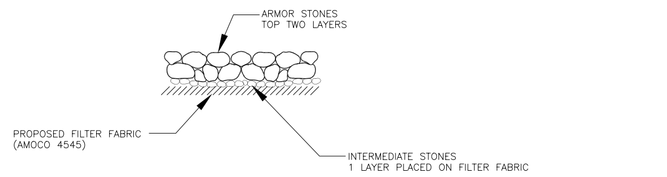
PAUL V. SHERMA,REG. NO. 35628

SHEET NUMBER
21



ELEVATION VIEW
NOSE DOWN CURB DETAIL

N.T.S.



NOTES :

1. FILTER FABRIC (AMOCO PROPEX 2006) TO HAVE 18 INCHES OF OVERLAP.
2. CONTRACTOR TO COMPLY WITH AMOCO INSTALLATION INSTRUCTIONAL FOR AMOCO 2006.

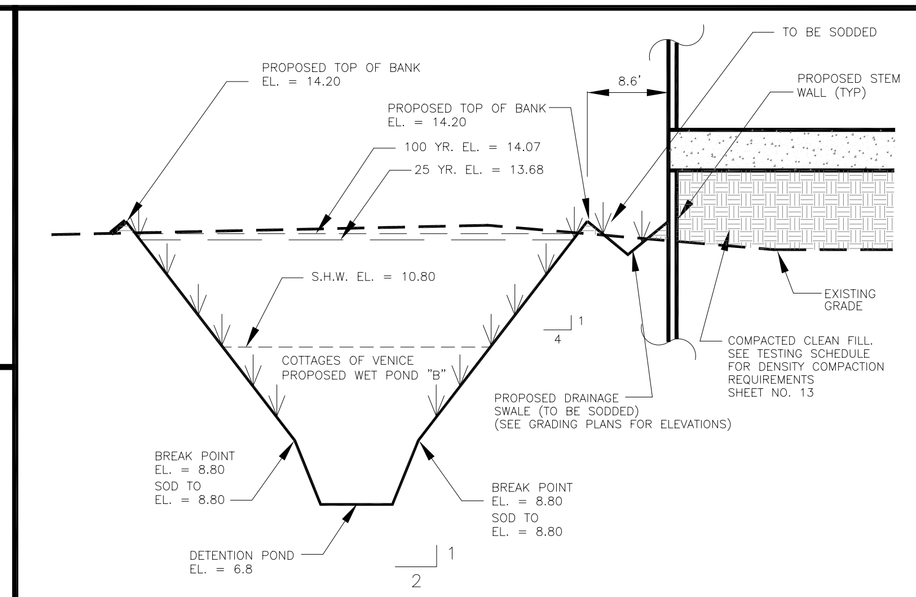
STONE SIZE

1. ARMOR STONES :
UNIT WT. = 155 LBS/C.F.
MAX. WT. = 75 LBS.
MIN. WT. = 50 LBS.
75% OF STONE MUST BE 62.5 LBS. OR GREATER.

2. INTERMEDIATE STONES :
UNIT. WT. = 165 LBS/C.F.
MAX. WT. = 13 LBS.
MIN. WT. = 7.8 LBS.
75% OF STONE MUST BE 10.4 LBS. OR GREATER.

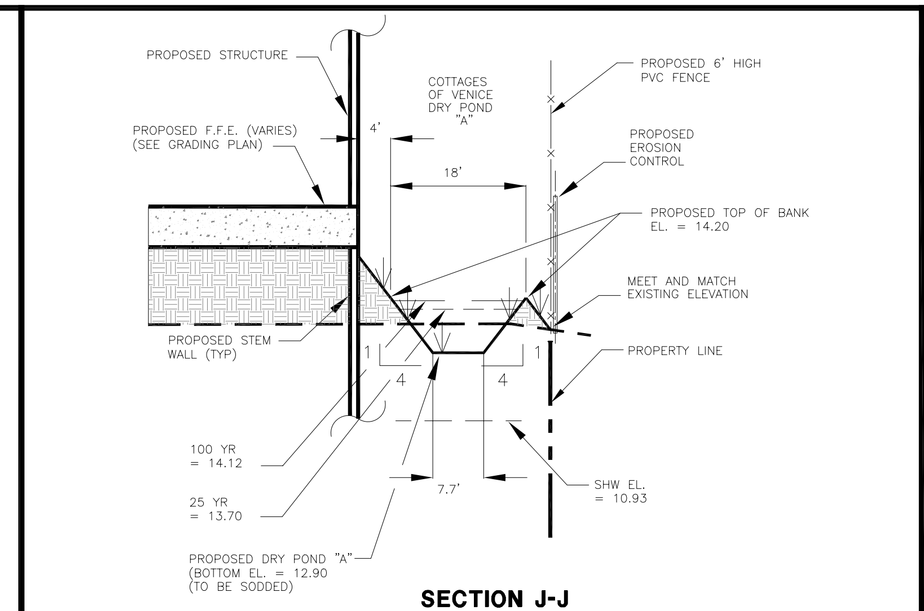
QUARRYSTONE REVETMENT DETAIL

N.T.S.



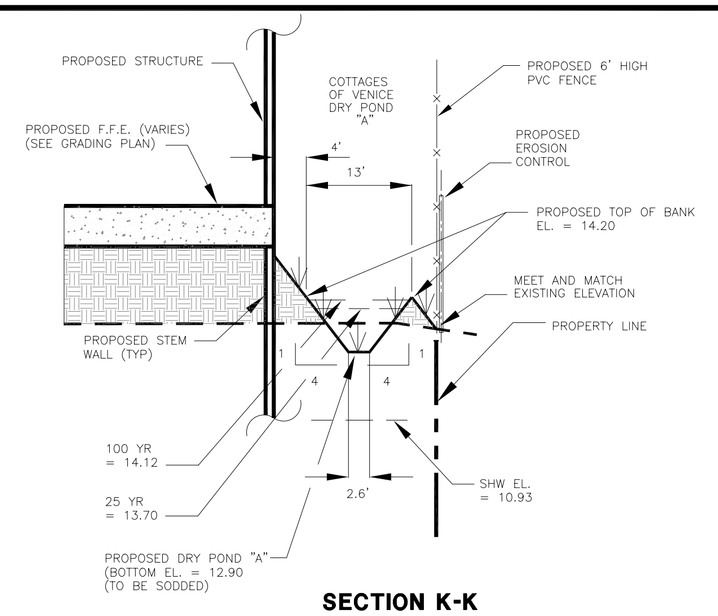
SECTION I-I

N.T.S.



SECTION J-J

N.T.S.



SECTION K-K

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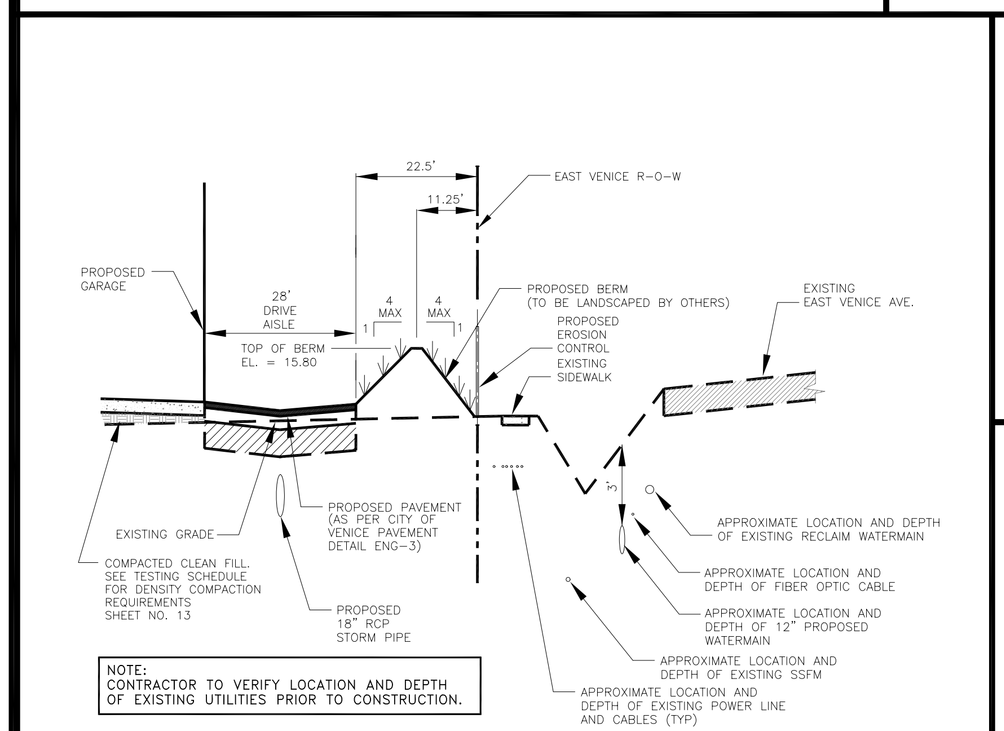


NOTE:
CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

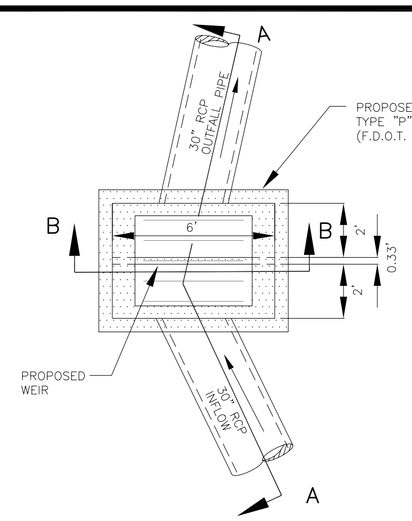
SECTION C-C

N.T.S.

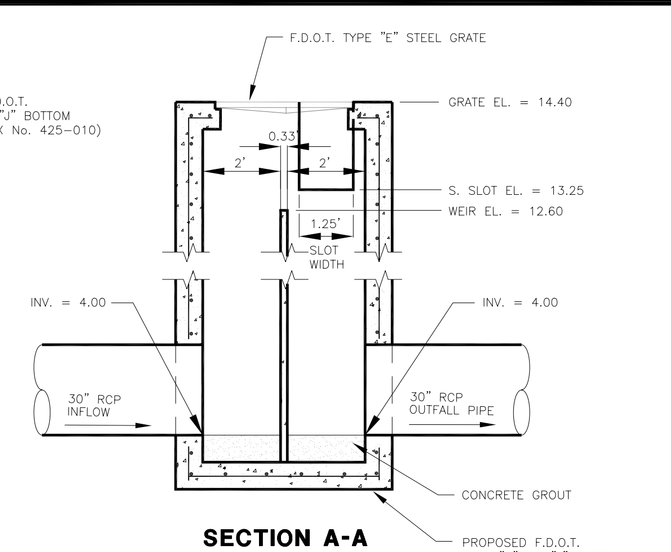
NOTE :
ALL WORK WITHIN VENICE AVE. RIGHT OF WAY TO BE CONSTRUCTED AND TESTED TO SARASOTA COUNTY REQUIREMENTS.

SARASOTA COUNTY
PAVEMENT DETAIL
(WITHIN VENICE AVE. R-O-W)

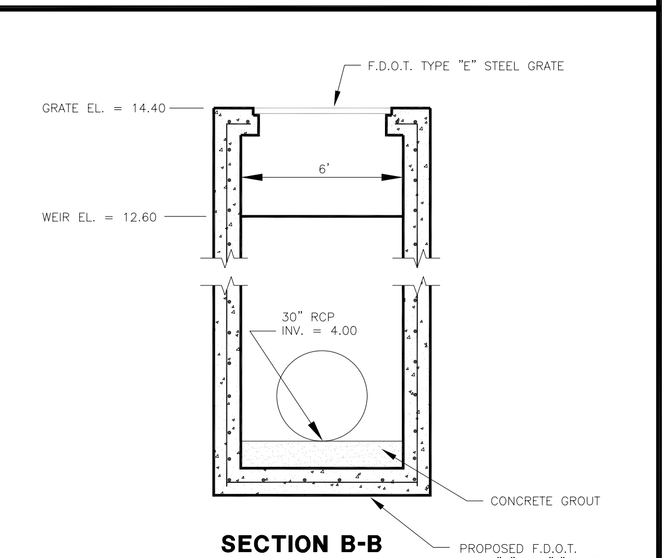
N.T.S.



PLAN VIEW



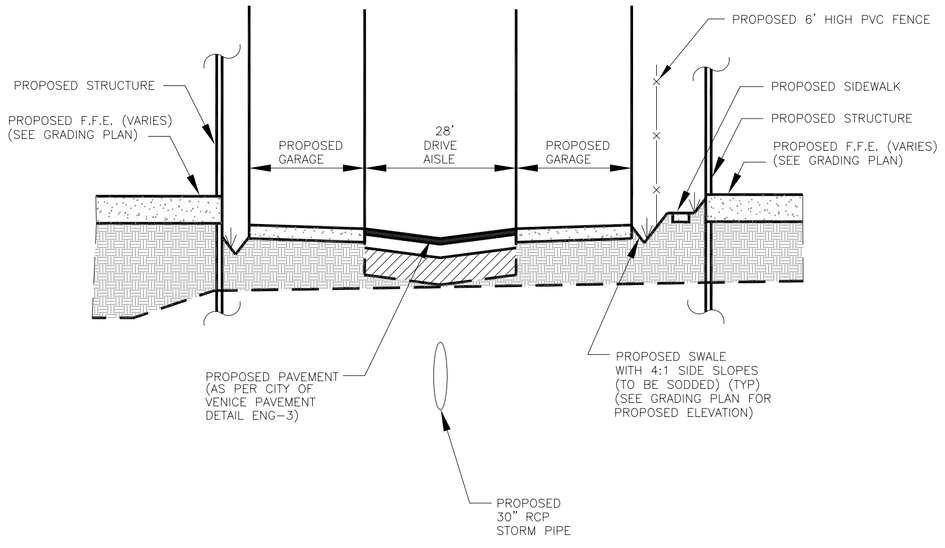
SECTION A-A



SECTION B-B

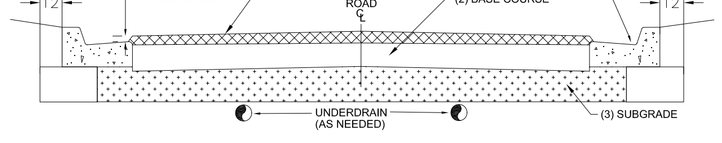
OUTFALL STRUCTURE COVAWEIR

N.T.S.



SECTION F-F

N.T.S.



ROADWAY SECTION DESIGN (MINIMUM THICKNESS)

STREET CLASSIFICATION	(1) ASPHALT SURFACE:	(2) BASE: B-12.5	CTB	CCA	(3) SUB-GRADE: TYPE B STAB.
RESIDENTIAL STREET (PRIVATE) & LIGHT DUTY PARKING	2" TYPE SP-9.5 (INSTALLED AS TWO 1" LIFTS)	4"	8"	8"	8" MIN 40 LBR
RESIDENTIAL STREET (PUBLIC)	2" TYPE SP-9.5 (INSTALLED AS TWO 1" LIFTS)	5"	10"	10"	12" MIN 40 LBR
INDUSTRIAL STREET (PUBLIC/PRIVATE)	2" TYPE SP-12.5 & 1" TYPE FC-9.5	5"	10"	10"	12" MIN 40 LBR
COLLECTOR / ARTERIAL STREET	3" TYPE SP-12.5 & 1" TYPE FC-9.5	5"	10"	10"	12" MIN 40 LBR

1.) ALL STREETS WITHIN THE CITY LIMITS SHALL MEET THE MINIMUM DESIGN STANDARDS AS ESTABLISHED IN THIS DETAIL.

2.) ALL INSTALLATION METHODS AND MATERIALS SHALL CONFORM WITH THE LATEST EDITION OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

3.) CRUSHED CONCRETE AGGREGATE (CCA) MUST HAVE AN LBR ≥150. SHELL IS NOT AN ACCEPTABLE BASE MATERIAL.

4.) CEMENT TREATED BASE.
- a.) THE MATERIAL TO BE USED AS THE FILLER AGGREGATE IN CTB MUST BE LBR TESTED PRIOR TO DESIGN FORMULATION (ADDING CEMENT). THIS MATERIAL MUST ACHIEVE AN LBR VALUE OF ≥ 100.
- b.) CTB DESIGN CRITERION SHOULD TARGET RANGE FROM 175 TO 275 PSI ON 7 DAY BREAK. TESTING MUST BE PROVIDED TO VERIFY THE COMPRESSIVE STRENGTH OF THE MIX.

5.) ALL GRANULAR COURSES OF ROAD CONSTRUCTION MUST BE COMPACTED TO 98% OF ITS OPTIMUM DENSITY AS PER T-180 (AASHTO). CTB SHALL BE COMPACTED TO 98% OF ITS LAB FORMULATION DENSITY (AASHTO T-99).

6.) ALL MINERAL MATERIALS USED IN CONSTRUCTION OF ROADWAYS MUST MEET THE FOLLOWING CRITERIA:
- a.) FINES (PASSING # 200 SIEVE) MUST BE LIMITED TO ≤ 12%, ORGANICS LIMITED TO ≤ 5%, NO DELETERIOUS MATERIALS.

7.) \p12.45858,2.53785;SIGNAGE AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH LATEST EDITION OF THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD MANUAL).

8.) ALL CITY STREET SIGNS WILL BE BLUE BACKGROUND WITH 6" WHITE LETTERS AND CONSTRUCTED WITH HIGH INTENSITY REFLECTORIZED MATERIAL. ALL STREET SIGNS SHALL BE 9 INCHES WIDE AND APPROVED BY THE DIRECTOR OF PUBLIC WORKS PRIOR TO INSTALLATION.

9.) ALL CURB PADS SHALL MEET THE SAME STRUCTURAL AND COMPACTION STANDARDS AS ROAD SUB GRADE. THESE PADS WILL EXTEND TO AT LEAST 12" BEYOND THE CURB.

10.) UNDERDRAINS OR SIDEDRAINS MAY BE INCLUDED WHEN THE GROUND WATER LEVELS MAY AFFECT THE STRUCTURAL INTEGRITY OF THE ROAD. THIS DESIGN SHALL BE THE RESPONSIBILITY OF ENGINEER OF RECORD.

11.) ANY PROPOSED TRAFFIC CALMING DEVICES MUST BE APPROVED BY THE CITY ENGINEER & FIRE CHIEF.

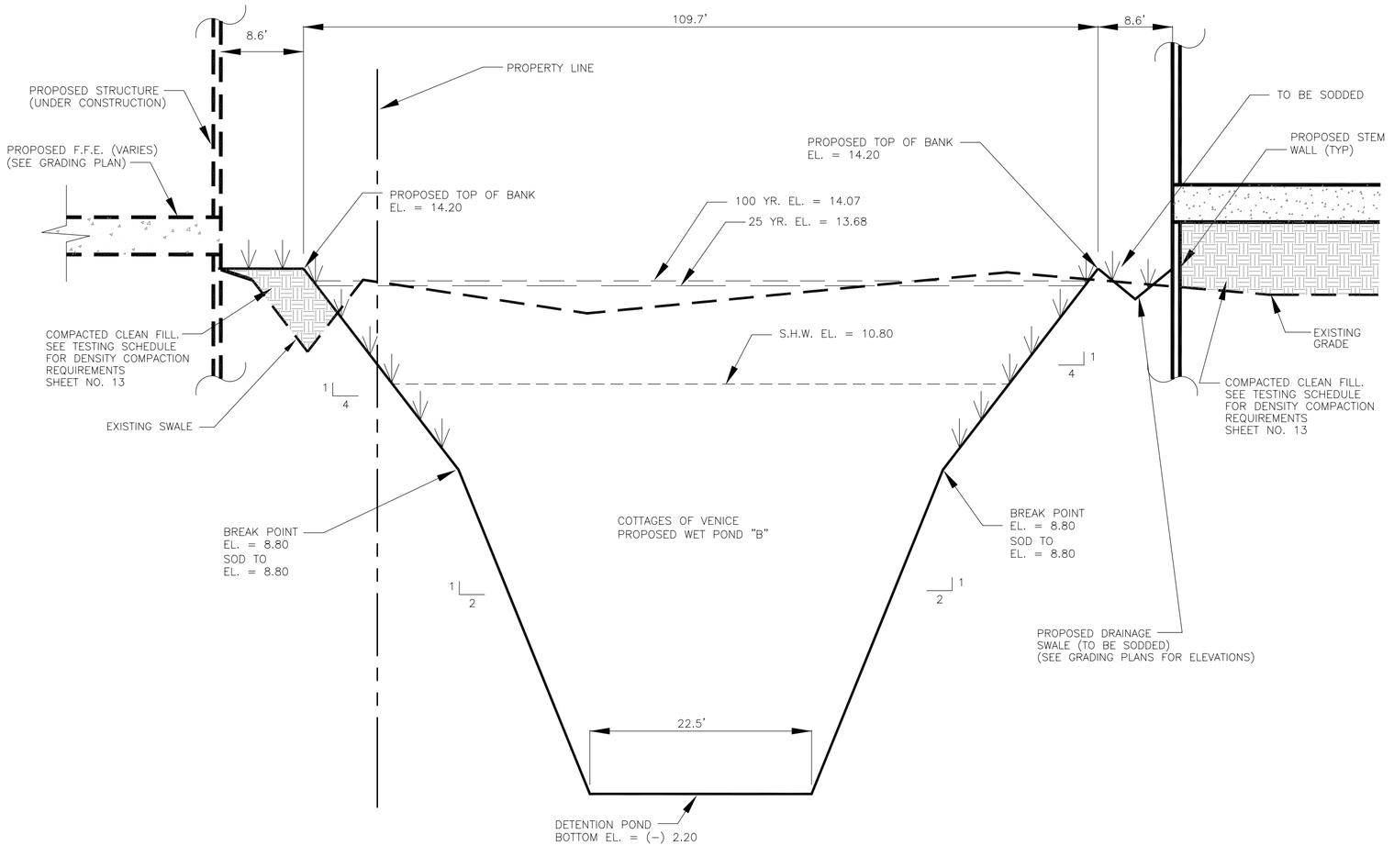
12.) ASPHALT COURSES AND CONCRETE SHALL NOT BE PLACED WHILE RAIN IS FALLING, OR WHEN THERE IS STANDING WATER ON THE SURFACE TO BE COVERED.

13.) TACK COAT SHALL BE APPLIED BETWEEN ALL ASPHALT LAYERS.

TYPICAL ROADWAY SECTION

N.T.S.

CITY OF VENICE	ENGINEERING	DATE
ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	TYPICAL ROADWAY SECTION	JAN 2021 SHEET NO. ENG-3



SECTION H-H

N.T.S.

CLIENT:	PROJECT NAME: SEC. 9 TWP. 39S RNG. 19E	PROJECT NUMBER
MPS DEVELOPMENT AND CONSTRUCTION, LLC 333 S. TAMIAMI TRAIL, SUITE 205 VENICE, FL. 34285	COTTAGES OF VENICE PAVING, GRADING AND DRAINAGE DETAILS	18-2382 SCALE N.T.S.

NO.	DATE	BY	REVISIONS
4	5-17-21	SAG	REVISED AS PER OWNER'S REQUEST.
3	4-23-21	SAG	REVISED AS PER CITY COMMENTS.
2	4-2-21	SAG	REVISED AS PER SWFWMD COMMENTS.
1	3-12-21	SAG	REVISED AS PER CITY COMMENTS.

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10225 ULMERTON ROAD, SUITE 4D LARGO, FL. 33771
CIVIL ENGINEERS, PLANNERS, PERMIT EXPEDITORS (727) 408-5207
CERTIFICATE OF AUTHORIZATION NUMBER: 4401

DRAWING TYPE
- ■ PRELIMINARY
- □ CONSTRUCTION
- □ RECORD

DESIGNED BY: PVS	CHECKED BY: PVS
DRAWN BY: SAG	DATE: 6-1-20

PAUL V. SHERMA, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 35628

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APPROVED

PAUL V. SHERMA,REG. NO. 35628

SHEET NUMBER
22

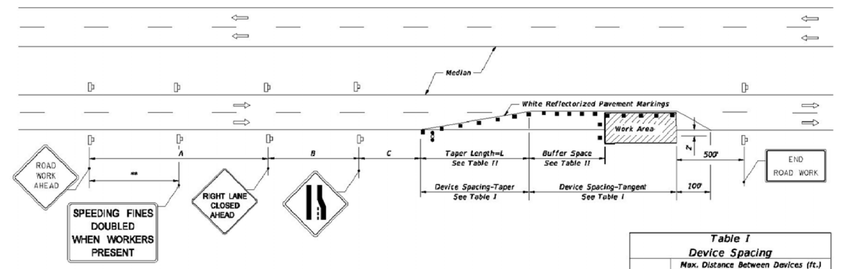


Table 11 Buffer Space and Taper Length			
Speed (mph)	Buffer Space Dist. (ft.)	Taper Length (12' Lane) Transitions L (ft.)	Notes (Merge)
25	155	125	
30	200	180	L = WS² / 60
35	250	245	
40	305	320	
45	360	540	
50	425	600	
55	495	660	L = WS
60	570	720	
65	640	780	
70	730	840	

When Buffer Space cannot be attained due to geometric constraints, the greatest attainable length shall be used, but not less than 200 ft.

For lateral transitions other than 12', use formula for L shown in notes column.
Where:

L = Length of taper in feet
W = Width of lateral transition in feet
S = Posted speed limit (mph)

Table 1 Device Spacing				
	Max. Distance Between Devices (ft.)			
Speed (mph)	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	90
50 to 70	25	50	50	100

DISTANCE BETWEEN SIGNS			
Speed	Spacing (ft.)		
	A	B	C
40 mph or less	300	300	300
45 mph	350	350	350
50 mph	500	500	500
*55 mph or greater	2640	1840	1000

* The ROAD WORK 1 MILE sign may be used as an alternate to the ROAD WORK AHEAD sign and the RIGHT LANE CLOSED ½ MILE sign may be used as an alternate to the RIGHT LANE CLOSED AHEAD sign.

** 500' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

SYMBOLS

- Work Area
- Channelizing Device
- Work Zone Sign
- Advance Warning Arrow Board

GENERAL NOTES

1. Work operations shall be confined to one traffic lane, leaving the adjacent lane open to traffic.
2. On undivided highways the median signs as shown are to be omitted.
3. Where work is performed in the median lane on divided highways, the channelizing device plan is inversed and left lane closed and lane exit signs substituted for the right lane closed and lane exit signs.

   This same applies to undivided highways with the following exceptions:
   a. Work shall be confined within one median lane.
   b. Additional barricades, cones, or drums shall be placed along the centerline abutting the work area and across the trailing end of the work area.

   Where work on undivided highways occurs across the centerline so as to encroach on both median lanes, the inverted plan is applied to the approach of both roadways.
4. Signs and traffic control devices are to be modified in accordance with INTERMITTENT WORK STOPPAGE details (sheet 2 of 2) when no work is being performed and the highway is open to traffic.
5. The two channelizing devices directly in front of the work area may be omitted provided vehicles in the work area have high-intensity rotating, flashing, oscillating, or strobe lights operating.
6. Where paved shoulders having a width of 8 ft. or more are closed, channelizing devices shall be used to close the shoulder in advance of the merging taper to direct vehicular traffic to remain within the travel way. See Index 102-612 for shoulder taper formulas.
7. Where a side road intersects the highway within the ITC zone, additional TTC devices shall be placed in accordance with other applicable TCZ Indexes.
8. This TCZ plan does not apply when work is being performed in the middle lane(s) of a six or more lane highway. See Index 102-614.
9. For general TCZ requirements and additional information, refer to Index 102-600.

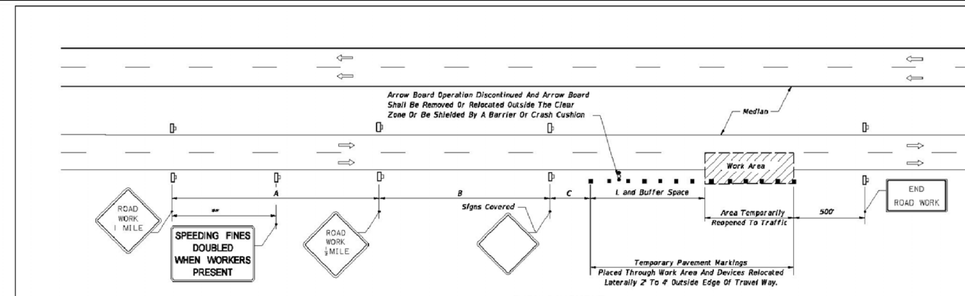
DURATION NOTES

1. Temporary white edgeline may be omitted for work operations less than 3 consecutive calendar days.
2. For work operations up to approximately 15 minutes, signs, channelizing devices, arrow board, and buffer space may be omitted if all of the following conditions are met:
   a. Speed limit is 45 mph or less.
   b. No sight obstructions to vehicles approaching the work area for a distance equal to the buffer space and the taper length combined.
   c. Volume and complexity of the roadway has been considered.
   d. The closed lane is occupied by a class 5 or larger, medium duty truck(s) with a minimum gross weight vehicle rating (GVWR) of 26,000 lb with high-intensity, rotating, flashing, oscillating, or strobe lights mounted above the cab height and operating.
3. For work operations up to 60 minutes, arrow board and buffer space may be omitted if conditions a, b, and c in DURATION NOTE 2 are met, and vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

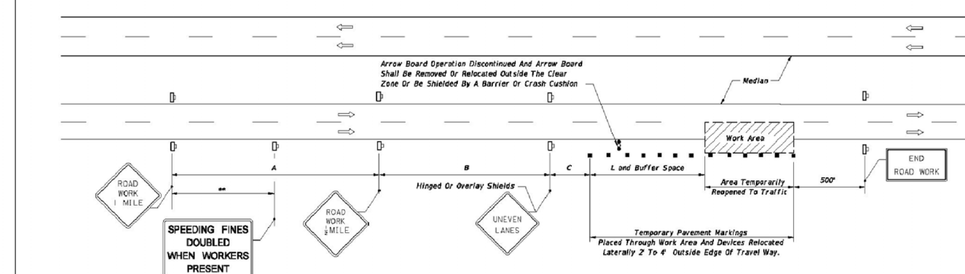
CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH ON THE LANE ADJACENT TO THE SHOULDER, AND THE NEAR EDGE OF TRAVEL WAY

LAST REVISION 11/01/17	DESCRIPTION:	FDOT FY 2020-21 STANDARD PLANS	MULTILANE, WORK WITHIN TRAVEL WAY MEDIAN OR OUTSIDE LANE	INDEX 102-613	SHEET 1 of 2



EVEN PAVEMENT



UNEVEN PAVEMENT

INTERMITTENT WORK STOPPAGE - LANE REOPENED TO TRAFFIC

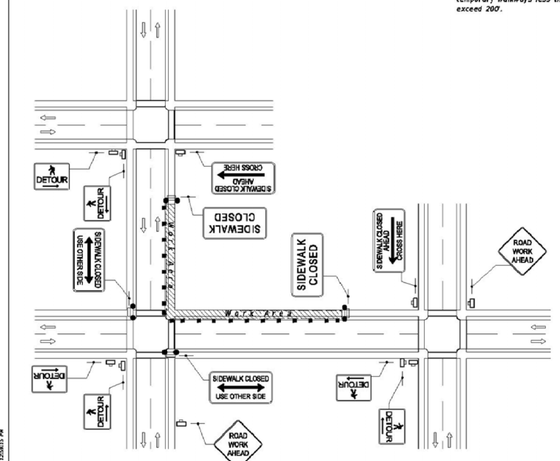
LAST REVISION 11/01/17	DESCRIPTION:	FDOT FY 2020-21 STANDARD PLANS	MULTILANE, WORK WITHIN TRAVEL WAY MEDIAN OR OUTSIDE LANE	INDEX 102-613	SHEET 2 of 2

SYMBOLS

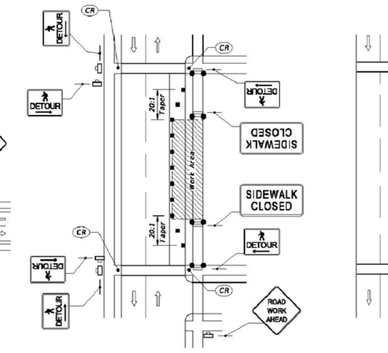
- Work Area
- Channelizing Device
- Work Zone Sign
- CR Required Locations For Either Temporary Or Permanent Curb Ramps.
- Lane Identification + Direction of Traffic
- Pedestrian Longitudinal Channelizing Device (TCD) with Mounted Work Zone Sign or separate Work Zone Sign
- Pedestrian Longitudinal Channelizing Device (TCD)
- Temporary Sidewalk

GENERAL NOTES:

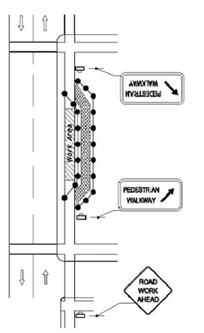
1. When encroaching work requires a sidewalk closure for 60 minutes or greater, provide an alternate pedestrian route.
2. For spacing of vehicular Channelizing Devices, see applicable vehicular temporary traffic control Indexes.
3. Cover or deactivate pedestrian traffic signal display(s) controlling closed crosswalks.
4. For post mounted signs located near or adjacent to a sidewalk, maintain a minimum 7' clearance from the bottom of the sign panel to the surface of the sidewalk.
5. Provide a 3' wide temporary walkway, except where space restrictions warrant a minimum width of 4. Provide a 5' x 5' passing space for temporary walkways less than 5' in width at intervals not to exceed 200'.
6. Provide a cross-slope with a maximum value of 5.00 for all temporary walkways.
7. Maintain temporary walkway surfaces and ramps that are stable, firm, slip-resistant, and free of any obstructions or hazards such as holes, debris, mud, construction equipment, and stored material.
8. Remove temporary walkways immediately after reopening of the sidewalk, unless otherwise noted in the plans.
9. Meet the requirements of Index 522-002 for temporary curb ramps.
10. Place pedestrian longitudinal channelizing device(s) across the full width of the closed sidewalk. For temporary walkways, similar to the Sidewalk Diversion, place LCDs to delineate both sides of the temporary walkway.
11. For sidewalk diversions, ensure that there is sufficient R/W for placement of temporary sidewalk and pedestrian longitudinal channelizing devices.



CROSSWALK CLOSURE AND PEDESTRIAN DETOUR

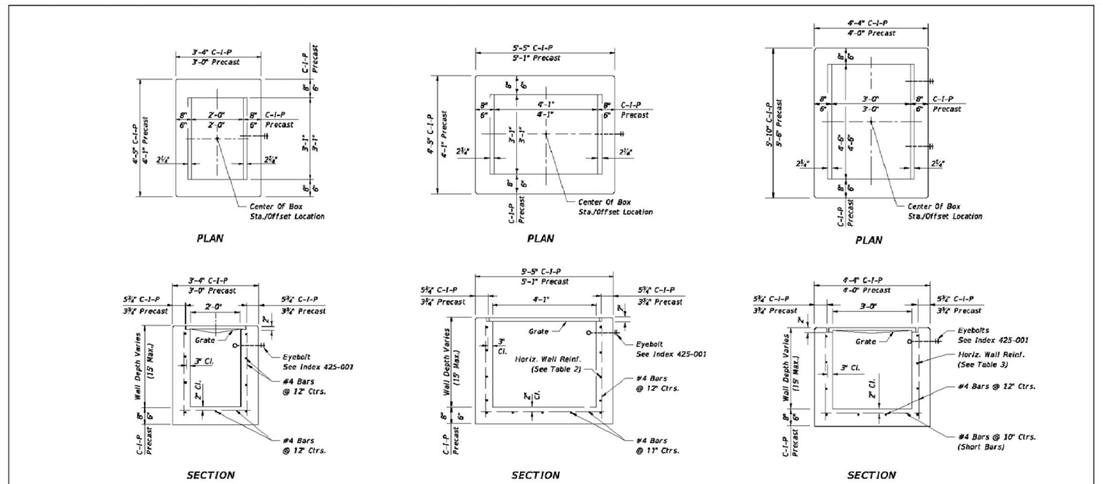


SIDEWALK DETOUR



SIDEWALK DIVERSION

LAST REVISION 11/01/17	DESCRIPTION:	FDOT FY 2020-21 STANDARD PLANS	PEDESTRIAN CONTROL FOR CLOSURE OF SIDEWALKS	INDEX 102-660	SHEET 1 of 1



HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 1)

WALL DEPTH	SCHEDULE	AREA (In²/Ft.)	MAX. SPACING BARS	MAX. SPACING WWR
0'-13'	A12	0.20	12"	8"

TYPE C

Recommended Maximum Pipe Size:
2'-0" Wall - 36" Pipe
3'-7" Wall - 24" Pipe (18" where an 18" pipe enters a 2'-0" wall)

HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 2)

WALL DEPTH	SCHEDULE	AREA (In²/Ft.)	MAX. SPACING BARS	MAX. SPACING WWR
0'-6"	A12	0.20	12"	8"
6'-10"	A6	0.20	6"	5"
10'-13'	A4	0.20	4"	3"
10'-15'	B15.5	0.24	5½"	5"

TYPE D

Recommended Maximum Pipe Size:
3'-7" Wall - 24" Pipe
4'-7" Wall - 30" Pipe

HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 3)

WALL DEPTH	SCHEDULE	AREA (In²/Ft.)	MAX. SPACING BARS	MAX. SPACING WWR
0'-7'	A12	0.20	12"	8"
7'-7.5'	A6	0.20	6"	5"
7.5'-10'	B5.5	0.24	5½"	5"
10'-15'	C6.5	0.31	6½"	6"

TYPE E

Recommended Maximum Pipe Size:
3'-0" Wall - 24" Pipe
4'-0" Wall - 30" Pipe

HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 4)

WALL DEPTH	SCHEDULE	AREA (In²/Ft.)	MAX. SPACING BARS	MAX. SPACING WWR
0'-3'	B5.5	0.24	5½"	5"
3'-7'	C6.5	0.37	6½"	6"
7'-15'	D14.5	0.53	4½"	4"

TYPE H (2 & 3-GRATE INLET)

Recommended Maximum Pipe Size:
3'-0" Wall - 24" Pipe
6'-7" Wall - 1-30" Pipe
or 2-24" Pipe (3-7'-5")

HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 5)

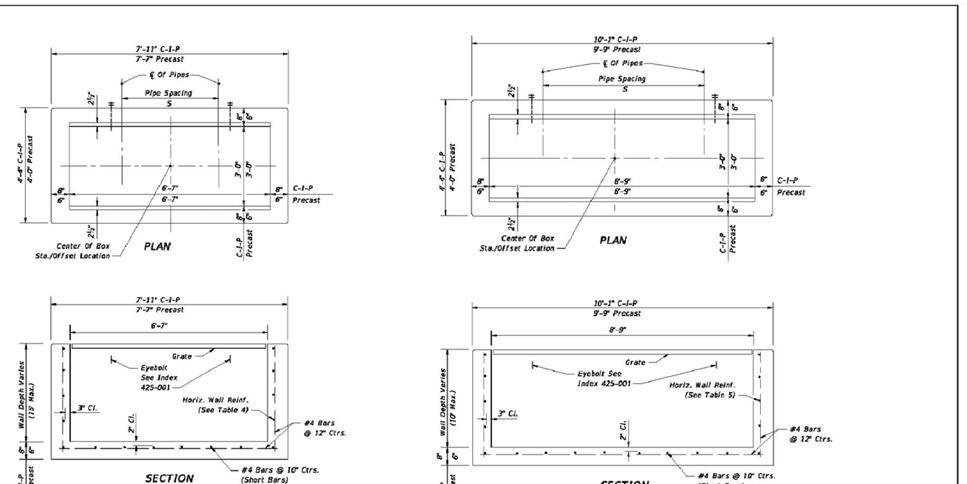
WALL DEPTH	SCHEDULE	AREA (In²/Ft.)	MAX. SPACING BARS	MAX. SPACING WWR
0'-5'	C3.5	0.37	6½"	5"
5'-10'	D14.5	0.53	4½"	4"

TYPE H (4-GRATE INLET)

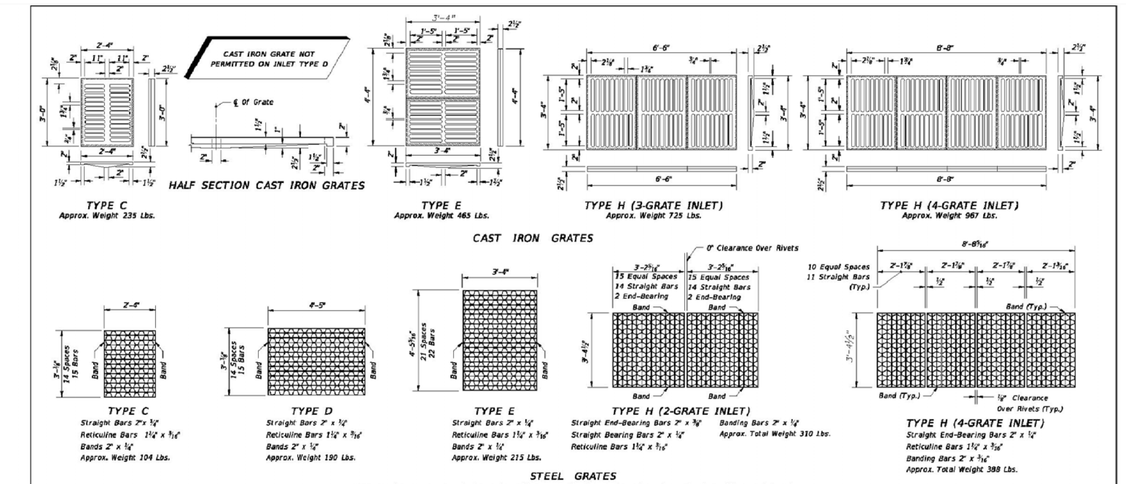
Recommended Maximum Pipe Size:
3'-0" Wall - 24" Pipe
8'-9" Wall - 1-30" Pipe
or 2-30" Pipe (5'-4"-3')

GENERAL NOTES
See Sheet 3 of 7.

LAST REVISION 11/01/17	DESCRIPTION:	FDOT FY 2020-21 STANDARD PLANS	DITCH BOTTOM INLET TYPES C, D, E AND H	INDEX 425-052	SHEET 1 of 7



LAST REVISION 11/01/19	DESCRIPTION:	FDOT FY 2020-21 STANDARD PLANS	DITCH BOTTOM INLET TYPES C, D, E AND H	INDEX 425-052	SHEET 2 of 7

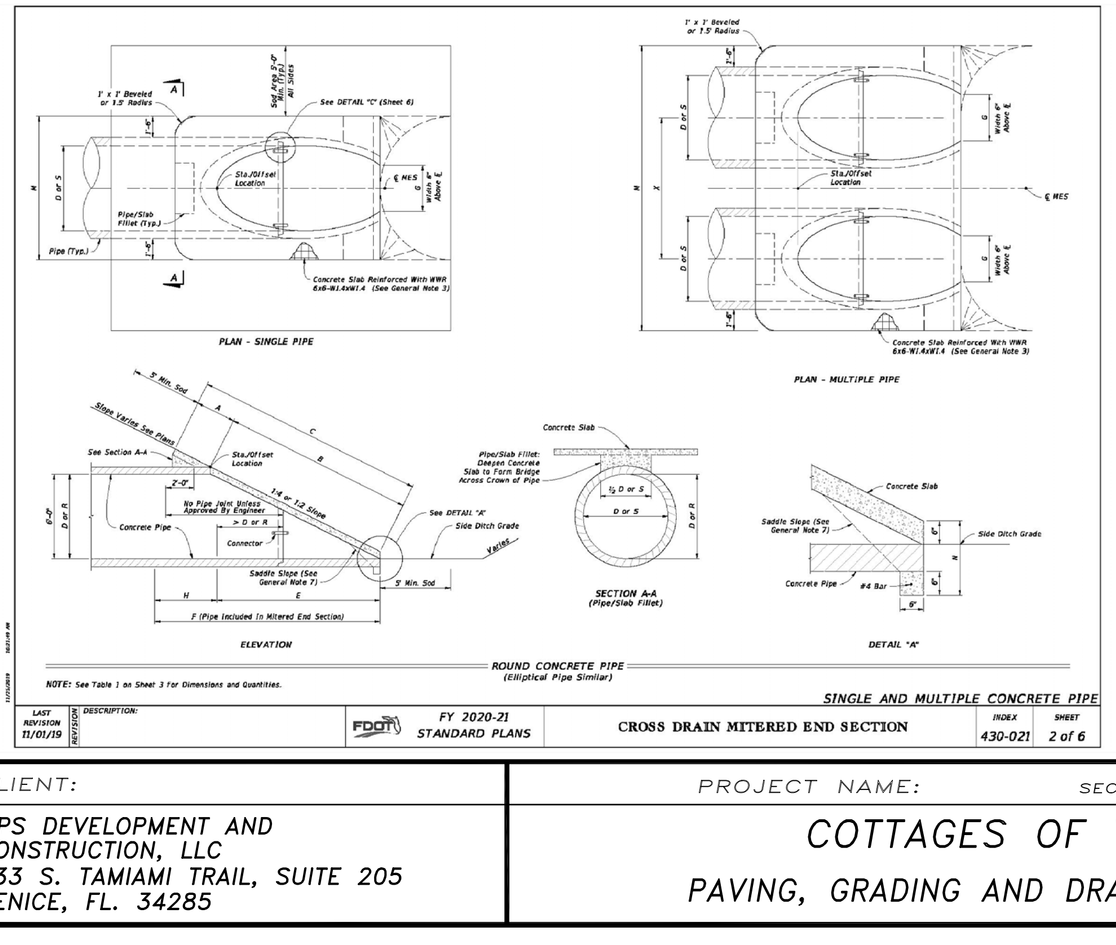


NOTE: Steel Grates Are Required On Inlets With Traversable Slots And On Inlets where Bicycle Traffic is Anticipated.

GENERAL NOTES

1. These inlets are suitable for bicycle traffic and are to be used in ditches, medians and other areas subject to infrequent traffic loadings but are not to be placed in areas subject to any heavy wheel loads. These inlets may be placed in areas subject to occasional pedestrian traffic such as developed areas and pavement areas where pedestrians can walk around the inlet.
2. Inlets subject to shallow depths should be constructed with slots. Slotted inlets is a problem inlets should be constructed with slots. Slotted inlets located within roadway clear zones and areas subject to pedestrians shall have traversable slots. The traversable slot modification is not adaptable to inlet Type H. Slots may be constructed at either or both ends as shown on plans. Non-traversable slots shall not be used in areas subject to occasional bicycle traffic.
3. Steel grates are to be used on all inlets where bicycle traffic is anticipated. Steel grates are to be used on all inlets with traversable slots. Either cast iron or steel grates may be used on inlets without slots where bicycle traffic is not anticipated. Either cast iron or steel grates may be used on all inlets with non-traversable slots. Subject to the selection described above, when Alternate 5 grate is specified in the plans, either the steel grate, not the slip-painted after fabrication, or the cast iron grate may be used, unless the plans stipulate a particular type.
4. Recommended maximum plow sizes shown are for concrete pipe. Size for other types of pipe must be checked for fit.
5. All exposed edges and corners shall be ¾" chamfer or tooled to ¾" radius.
6. Concrete inlet pavement to be used on inlets without slots and inlets with non-traversable slots only when called for in the plans; but required on all traversable slot inlets. Cost to be included in contract unit price for inlets. Quantities shown are for information only.
7. Traversable slots constructed in existing inlets shall be paid for as inlets partial. For conversion work and shall be payment see TRAVERSABLE SLOT INLETS (PARTIAL) FOR EXISTING INLETS.
8. Sodding to be used on all inlets not located in paved areas and paid for under contract unit price for Performance Turf, SY.
9. For supplementary details see Index 425-001.
10. All reinforcing is Grade 60 bars with 2" min. cover unless otherwise noted. Bars to be cut or bent for 1½" clearance around pipe opening. Provide one additional #4 bar above and at each side of pipe opening.

LAST REVISION 11/01/17	DESCRIPTION:	FDOT FY 2020-21 STANDARD PLANS	DITCH BOTTOM INLET TYPES C, D, E AND H	INDEX 425-052	SHEET 3 of 7



ROUND CONCRETE PIPE (Elliptical Pipe Similar)

NOTE: See Table 1 on Sheet 3 for Dimensions and Quantities.

SINGLE AND MULTIPLE CONCRETE PIPE

LAST REVISION 11/01/19	DESCRIPTION:	FDOT FY 2020-21 STANDARD PLANS	CROSS DRAIN MITERED END SECTION	INDEX 430-021	SHEET 2 of 6

TABLE 1
SINGLE AND MULTIPLE CONCRETE PIPE DIMENSIONS AND QUANTITIES

	Dia. D	Rise	Span S	X	A	B	C	E	F	G	H	9" CONC. SLAB (ST) (See General Note 3) Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe	9" CONC. SLAB (ST) (See General Note 3) Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe	SODDING (SY) Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe
Round Concrete Pipe 1:1 Slope	18"			2'-2"	1.82	2.18	4.18	2.00	3	1'-2"	3.9	4.83	7.20	9.73	12.30	4.58	6.95	9.48	12.04	0.54	0.83	1.11	1.40
	24"			2'-5"	2.00	2.50	4.71	2.50	3	1'-7"	4.1	4.92	7.33	10.00	12.64	4.67	7.07	9.73	12.40	0.65	0.99	1.33	1.67
	30"			2'-9"	2.00	2.83	5.07	3.00	3	1'-11"	4.3	5.00	8.83	13.33	17.79	4.75	8.33	12.73	17.29	0.77	1.20	1.64	2.08
	36"			3'-3"	2.00	3.17	5.42	3.50	3	2'-3"	4.5	5.08	8.92	13.50	18.08	4.83	8.42	12.90	17.48	0.89	1.41	1.93	2.45
	42"			3'-8"	2.00	3.50	5.78	4.00	3	2'-7"	4.7	5.17	9.00	13.67	18.25	4.92	8.50	13.07	17.65	1.01	1.62	2.23	2.84
	48"			4'-0"	2.00	3.83	6.13	4.50	3	2'-11"	4.9	5.25	9.08	13.83	18.42	5.00	8.58	13.23	17.82	1.13	1.83	2.53	3.23
	54"			4'-6"	2.00	4.17	6.49	5.00	3	3'-3"	5.1	5.33	9.17	14.00	18.58	5.08	8.67	13.40	17.98	1.26	2.04	2.82	3.60
	60"			5'-0"	2.00	4.50	6.85	5.50	3	3'-7"	5.3	5.42	9.25	14.17	19.08	5.17	8.75	13.57	18.40	1.40	2.26	3.13	4.00
	66"			5'-6"	2.00	4.83	7.21	6.00	3	3'-11"	5.5	5.50	9.33	14.33	19.33	5.25	8.83	13.73	18.63	1.54	2.48	3.43	4.38
	72"			6'-0"	2.00	5.17	7.57	6.50	3	4'-3"	5.7	5.58	9.42	14.50	19.58	5.33	8.92	13.90	18.87	1.68	2.70	3.73	4.77
	78"			6'-6"	2.00	5.50	7.93	7.00	3	4'-7"	5.9	5.67	9.50	14.67	19.83	5.42	9.00	14.07	19.10	1.83	2.93	4.04	5.15
	84"			7'-0"	2.00	5.83	8.28	7.50	3	4'-11"	6.1	5.75	9.58	14.83	20.08	5.50	9.08	14.23	19.35	1.98	3.16	4.34	5.52
	90"			7'-6"	2.00	6.17	8.64	8.00	3	5'-3"	6.3	5.83	9.67	15.00	20.33	5.58	9.17	14.40	19.58	2.14	3.39	4.64	5.89
	96"			8'-0"	2.00	6.50	9.00	8.50	3	5'-7"	6.5	5.92	9.75	15.17	20.58	5.67	9.25	14.57	19.80	2.30	3.62	4.94	6.26
	102"			8'-6"	2.00	6.83	9.35	9.00	3	5'-11"	6.7	6.00	9.83	15.33	20.83	5.75	9.33	14.73	20.03	2.46	3.86	5.25	6.65
	108"			9'-0"	2.00	7.17	9.71	9.50	3	6'-3"	6.9	6.08	9.92	15.50	21.08	5.83	9.42	14.90	20.25	2.63	4.12	5.61	7.10
	114"			9'-6"	2.00	7.50	10.07	10.00	3	6'-7"	7.1	6.17	10.00	15.67	21.33	5.92	9.50	15.07	20.48	2.81	4.39	5.98	7.56
	120"			10'-0"	2.00	7.83	10.42	10.50	3	6'-11"	7.3	6.25	10.08	15.83	21.58	6.00	9.58	15.23	20.70	2.99	4.66	6.34	8.01
	126"			10'-6"	2.00	8.17	10.78	11.00	3	7'-3"	7.5	6.33	10.17	16.00	21.83	6.08	9.67	15.40	20.93	3.17	4.94	6.71	8.48
	132"			11'-0"	2.00	8.50	11.14	11.50	3	7'-7"	7.7	6.42	10.25	16.17	22.08	6.17	9.75	15.57	21.15	3.36	5.23	7.10	8.97
	138"			11'-6"	2.00	8.83	11.50	12.00	3	7'-11"	7.9	6.50	10.33	16.33	22.33	6.25	9.83	15.73	21.38	3.55	5.52	7.49	9.46
	144"			12'-0"	2.00	9.17	11.85	12.50	3	8'-3"	8.1	6.58	10.42	16.50	22.58	6.33	9.92	15.90	21.60	3.74	5.81	7.88	9.95
Elliptical Concrete Pipe 1:1 Slope	14"	23"	19"	1'-8"	1.39	1.61	3.61	1.50	2	1'-0"	3.4	4.75	6.97	9.33	11.69	4.50	6.72	9.08	11.44	0.42	0.64	0.86	1.08
	19"	30"	24"	2'-0"	1.67	1.94	3.94	1.83	2	1'-3"	3.6	4.83	7.08	9.50	11.92	4.58	6.83	9.25	11.67	0.51	0.78	1.05	1.32
	24"	38"	29"	2'-5"	2.00	2.33	4.33	2.17	2	1'-6"	3.8	4.92	7.17	9.58	12.00	4.67	6.92	9.33	11.75	0.60	0.93	1.26	1.58
	29"	45"	34"	2'-11"	2.33	2.72	4.72	2.50	2	1'-9"	4.0	5.00	7.25	9.67	12.08	4.75	7.00	9.42	11.83	0.70	1.07	1.44	1.81
	34"	53"	38"	3'-4"	2.67	3.11	5.11	2.83	2	2'-0"	4.2	5.08	7.33	9.75	12.17	4.83	7.08	9.50	11.92	0.80	1.22	1.64	2.06
	38"	60"	43"	3'-9"	3.00	3.50	5.50	3.17	2	2'-3"	4.4	5.17	7.42	9.83	12.25	4.92	7.17	9.58	12.00	0.91	1.38	1.85	2.32
	43"	68"	48"	4'-2"	3.33	3.89	5.89	3.50	2	2'-6"	4.6	5.25	7.50	9.92	12.33	5.00	7.25	9.67	12.08	1.03	1.53	2.03	2.53
	48"	76"	53"	4'-7"	3.67	4.28	6.28	3.83	2	2'-9"	4.8	5.33	7.58	10.00	12.42	5.08	7.33	9.75	12.17	1.15	1.69	2.23	2.77
	53"	83"	58"	5'-0"	4.00	4.67	6.67	4.17	2	3'-0"	5.0	5.42	7.67	10.08	12.50	5.17	7.42	9.83	12.25	1.28	1.86	2.44	3.02
	58"	91"	63"	5'-5"	4.33	5.06	7.06	4.50	2	3'-3"	5.2	5.50	7.75	10.17	12.58	5.25	7.50	9.92	12.33	1.42	2.04	2.66	3.28
	63"	98"	67"	5'-10"	4.67	5.44	7.44	4.83	2	3'-6"	5.4	5.58	7.83	10.25	12.67	5.33	7.58	10.00	12.42	1.57	2.22	2.87	3.52
	68"	106"	72"	6'-3"	5.00	5.83	7.83	5.17	2	3'-9"	5.6	5.67	7.92	10.33	12.75	5.42	7.67	10.08	12.50	1.73	2.41	3.09	3.77
	72"	113"	77"	6'-8"	5.33	6.22	8.22	5.50	2	4'-0"	5.8	5.75	8.00	10.42	12.83	5.50	7.75	10.17	12.58	1.90	2.61	3.32	4.03
	14"	23"	19"	1'-8"	1.39	1.61	3.61	1.50	2	1'-0"	3.4	4.75	6.97	9.33	11.69	4.50	6.72	9.08	11.44	0.42	0.64	0.86	1.08
	19"	30"	24"	2'-0"	1.67	1.94	3.94	1.83	2	1'-3"	3.6	4.83	7.08	9.50	11.92	4.58	6.83	9.25	11.67	0.51	0.78	1.05	1.32
	24"	38"	29"	2'-5"	2.00	2.33	4.33	2.17	2	1'-6"	3.8	4.92	7.17	9.58	12.00	4.67	6.92	9.33	11.75	0.60	0.93	1.26	1.58
	29"	45"	34"	2'-11"	2.33	2.72	4.72	2.50	2	1'-9"	4.0	5.00	7.25	9.67	12.08	4.75	7.00	9.42	11.83	0.70	1.07	1.44	1.81
	34"	53"	38"	3'-4"	2.67	3.11	5.11	2.83	2	2'-0"	4.2	5.08	7.33	9.75	12.17	4.83	7.08	9.50	11.92	0.80	1.22	1.64	2.06
	38"	60"	43"	3'-9"	3.00	3.50	5.50	3.17	2	2'-3"	4.4	5.17	7.42	9.83	12.25	4.92	7.17	9.58	12.00	0.91	1.38	1.85	2.32
	43"	68"	48"	4'-2"	3.33	3.89	5.89	3.50	2	2'-6"	4.6	5.25	7.50	9.92	12.33	5.00	7.25	9.67	12.08	1.03	1.53	2.03	2.53
	48"	76"	53"	4'-7"	3.67	4.28	6.28	3.83	2	2'-9"	4.8	5.33	7.58	10.00	12.42	5.08	7.33	9.75	12.17	1.15	1.69	2.23	2.77
	53"	83"	58"	5'-0"	4.00	4.67	6.67	4.17	2	3'-0"	5.0	5.42	7.67	10.08	12.50	5.17	7.42	9.83	12.25	1.28	1.86	2.44	3.02
	58"	91"	63"	5'-5"	4.33	5.06	7.06	4.50	2	3'-3"	5.2	5.50	7.75	10.17	12.58	5.25	7.50	9.92	12.33	1.42	2.04	2.66	3.28
	63"	98"	67"	5'-10"	4.67	5.44	7.44	4.83	2	3'-6"	5.4	5.58	7.83	10.25	12.67	5.33	7.58	10.00	12.42	1.57	2.22	2.87	3.52
	68"	106"	72"	6'-3"	5.00	5.83	7.83	5.17	2	3'-9"	5.6	5.67	7.92	10.33	12.75	5.42	7.67	10.08	12.50	1.73	2.41	3.09	3.77
	72"	113"	77"	6'-8"	5.33	6.22	8.22	5.50	2	4'-0"	5.8	5.75	8.00	10.42	12.83	5.50	7.75	10.17	12.58	1.90	2.61	3.32	4.03

△ 6.40 ◇ 6.20 Dimensions permitted to allow use of 8' standard pipe lengths.

◇ 10.40 ◇ 10.10 Dimensions permitted to allow use of 12' standard pipe lengths.

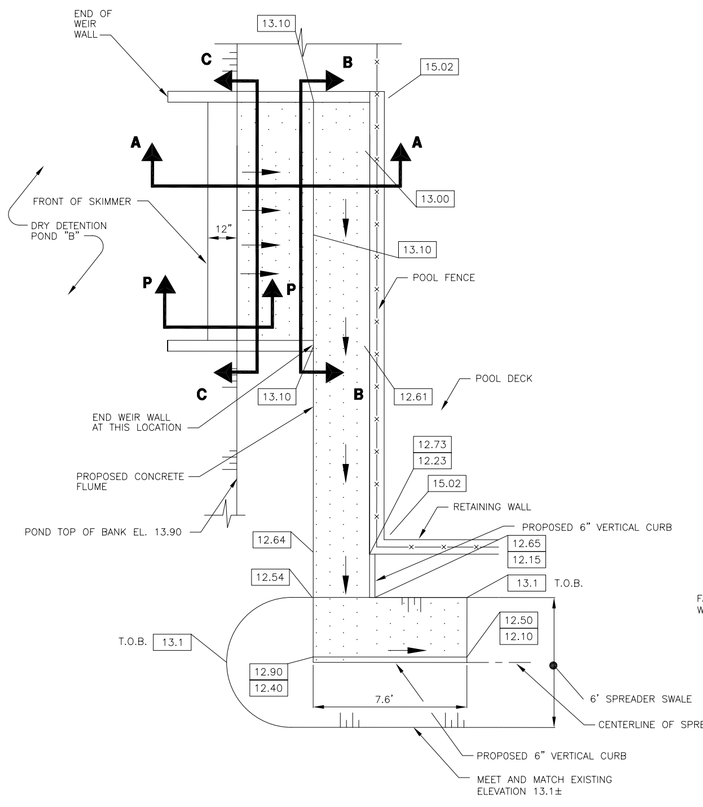
CONCRETE PIPE DIMENSIONS AND QUANTITIES

LAST REVISION 11/01/19	DESCRIPTION:	FDOT FY 2020-21 STANDARD PLANS	CROSS DRAIN MITERED END SECTION	INDEX 430-021	SHEET 3 of 6

LOCATION OF PUBLIC WATER SYSYEM MAINS IN ACCORDANCE WITH F.A.C. RULE 62-555.314

Other Pipe	Horizontal Separation	Crossings (1)	Joint Spacing @ Crossings (Full Joint Centered)
Storm Sewer, Stormwater Force Main, Reclaimed Water (2)	Water Main — 3 ft. minimum	Water Main — 12 inches is the minimum, except for storm sewer, then 6 inches is the minimum and 12 inches is preferred	Alternate 3 ft. minimum: Water Main
Vacuum Sanitary Sewer	Water Main — 10 ft. preferred, 3 ft. minimum	Water Main — 12 inches preferred, 6 inches minimum	Alternate 3 ft. minimum: Water Main
Gravity or Pressure Sanitary Sewer, Sanitary Sewer Force Main, Reclaimed Water (4)	Water Main — 10 ft. preferred, 6 ft. minimum (3)	Water Main — 12 inches is the minimum, except for gravity sewer, then 6 inches is the minimum and 12 inches is preferred	Alternate 6 ft. minimum: Water Main
On-Site Sewage Treatment & Disposal System	10 ft. minimum	---	---

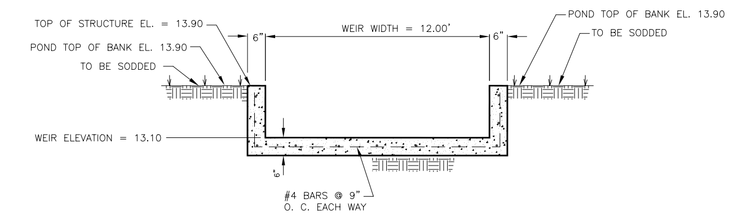
(1) Water main should cross above other pipe. When water main must be below other pipe, the minimum separation is 12 inches.
(2) Reclaimed



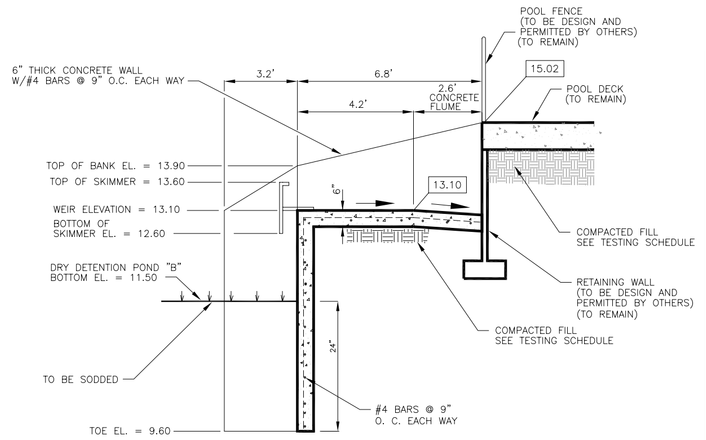
PLAN VIEW
(TO BE REMOVED)

NOTES

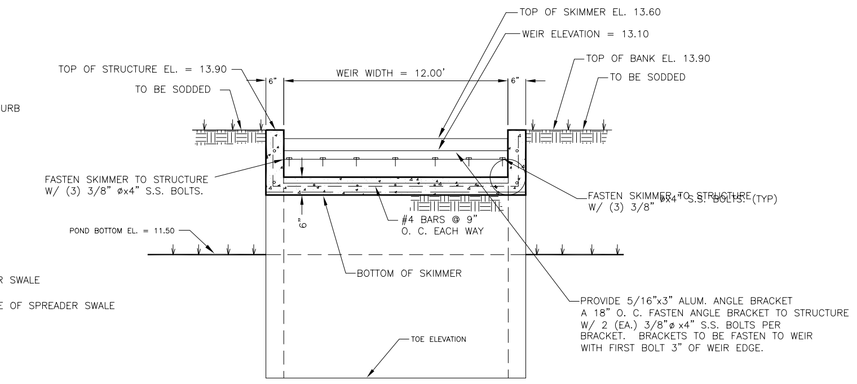
1. ENGINEER TO INSPECT STEEL PLACEMENT AND CONSTRUCTION OF OUTFALL STRUCTURE.



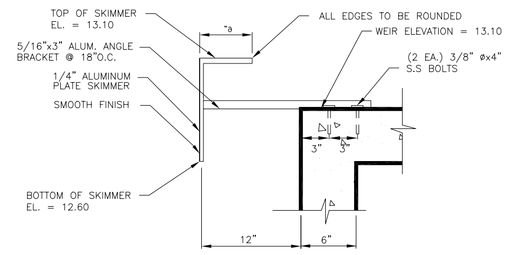
SECTION B - B
(TO BE REMOVED)



SECTION A - A
(TO BE REMOVED)



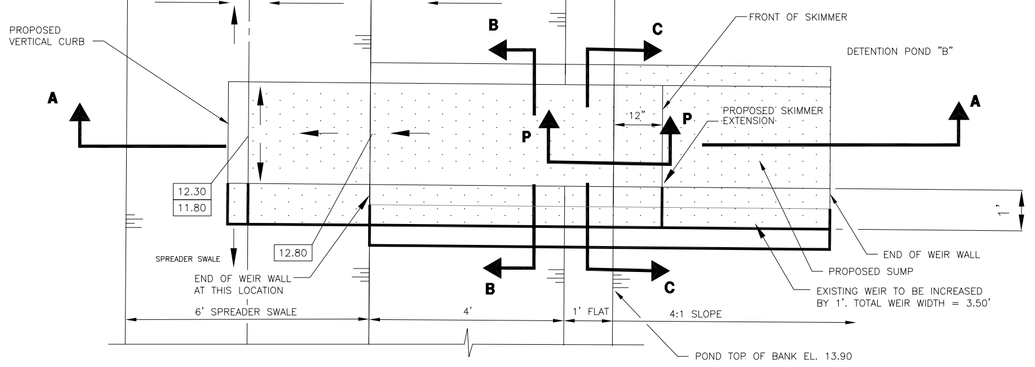
SECTION C - C
(TO BE REMOVED)



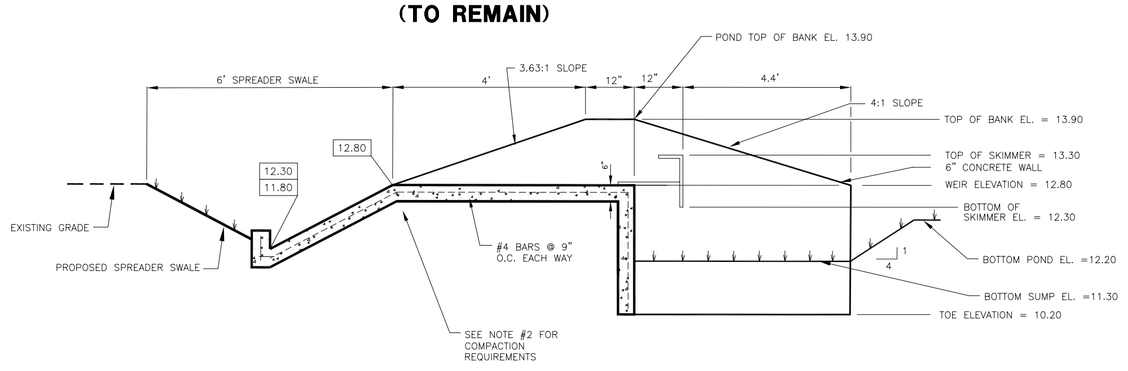
SKIMMER SECTION P - P
(TO BE REMOVED)

CASSATA PLACE
POND B OUTFALL STRUCTURE B1 DETAIL (TO BE REMOVED)

N.T.S.



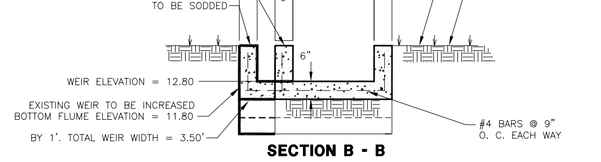
PLAN VIEW
(TO REMAIN)



SECTION A - A
(TO REMAIN)

NOTES

1. ENGINEER TO INSPECT STEEL PLACEMENT AND CONSTRUCTION OF OUTFALL STRUCTURE.



SECTION B - B
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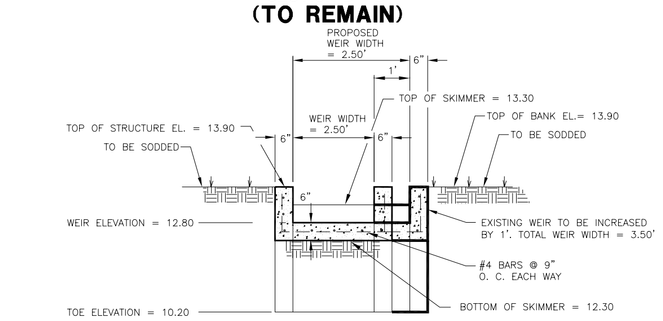

SECTION C - C
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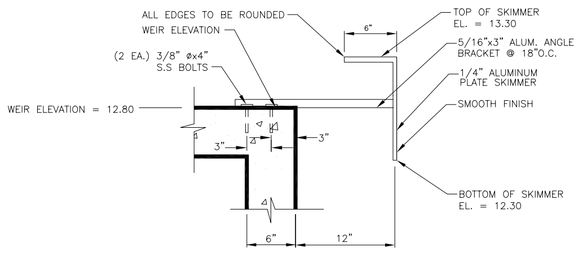
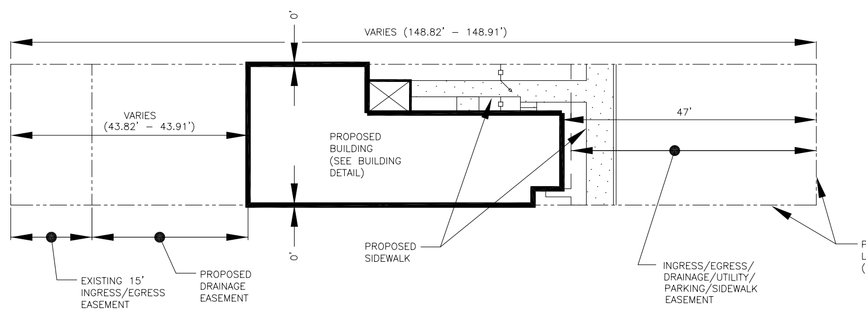


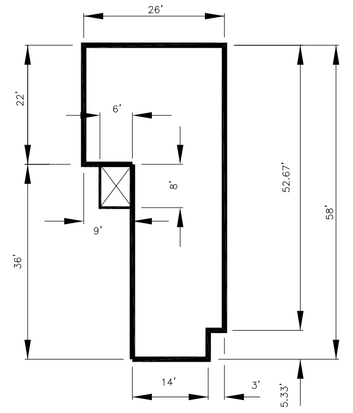
SKIMMER SECTION P - P
(TO REMAIN)

CASSATA PLACE
POND B OUTFALL STRUCTURE B2 DETAIL (TO REMAIN)

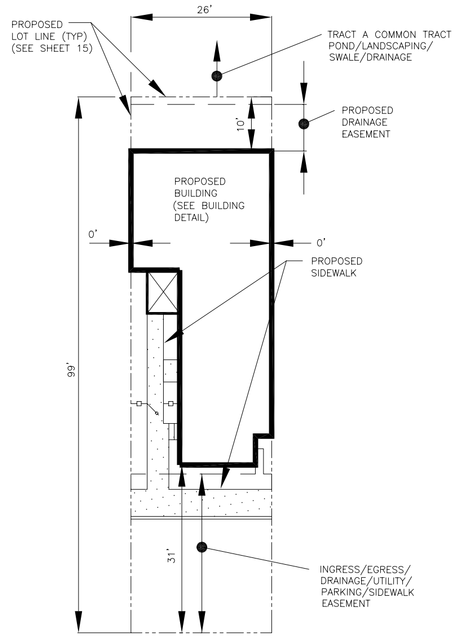
N.T.S.



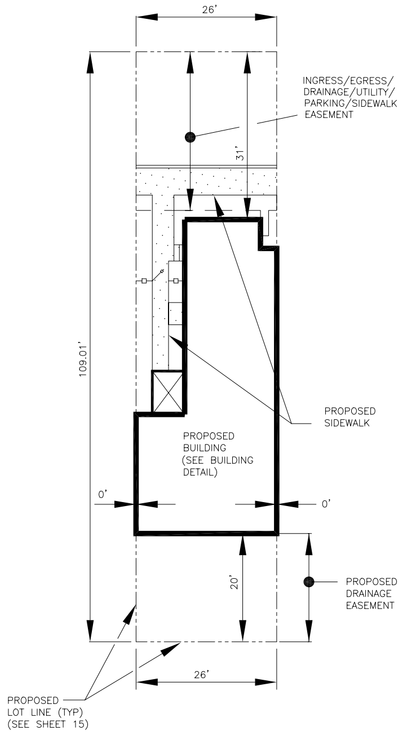
LOTS 27–36



BUILDING DETAIL



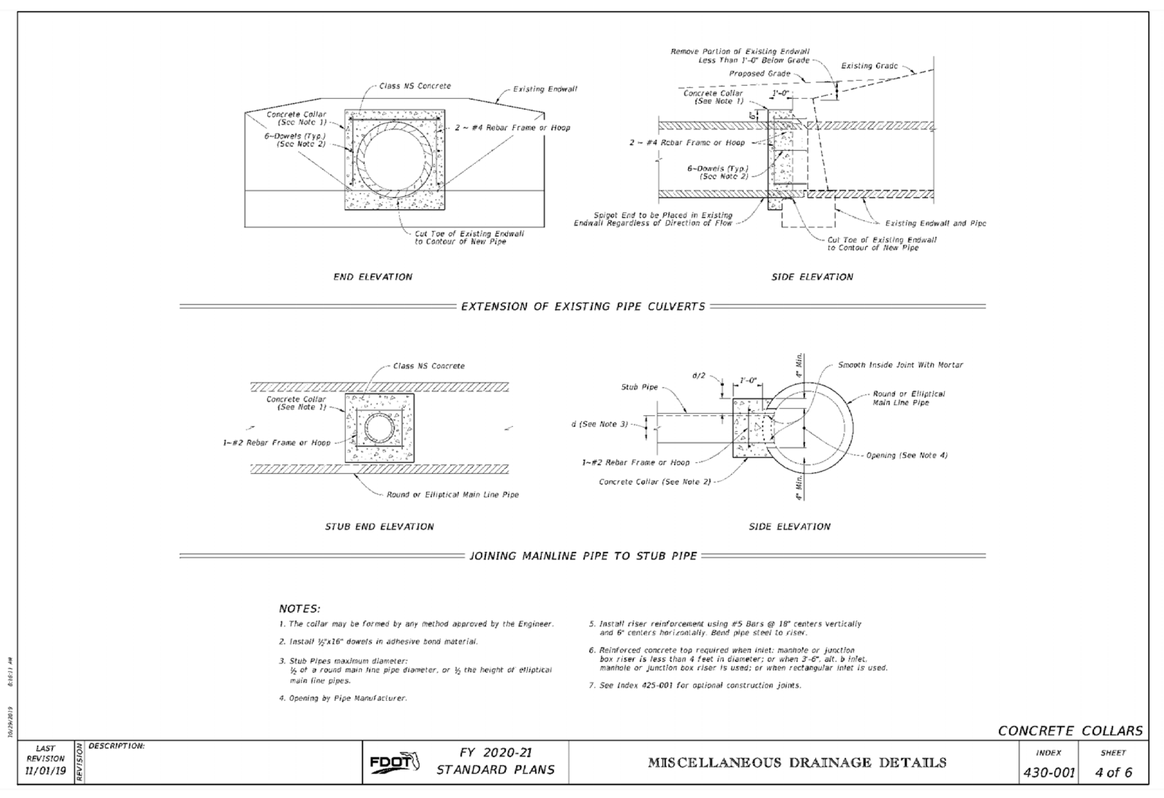
LOTS 1–13



LOTS 14–24

LOT DETAILS

1"=20'



NOTES:

1. The collar may be formed by any method approved by the Engineer.
2. Install 5/16" dowels in adhesive bond material.
3. Stub Pipes maximum diameter: ½ of a round main line pipe diameter, or ½ the height of elliptical main line pipes.
4. Opening by Pipe Manufacturer.
5. Install riser reinforcement using #5 Bars @ 18" centers vertically and 6" centers horizontally. Bend pipe steel to riser.
6. Reinforced concrete top required when inlet, manhole or junction box riser is less than 4 feet in diameter; or when 2'-0" dia. o fillet, manhole or junction box riser is used; or when rectangular inlet is used.
7. See Index 425-001 for optional construction joints.

CONCRETE COLLARS

LAST REVISION	BY	DESCRIPTION
11/01/19		

FDOT FY 2020-21 STANDARD PLANS | MISCELLANEOUS DRAINAGE DETAILS | INDEX 430-001 | SHEET 4 of 6

CONCRETE COLLAR DETAIL

CLIENT:	PROJECT NAME: SEC. 9 TWP. 39S RNG. 19E	PROJECT NUMBER
MPS DEVELOPMENT AND CONSTRUCTION, LLC 333 S. TAMIAMI TRAIL, SUITE 205 VENICE, FL. 34285	COTTAGES OF VENICE PAVING, GRADING AND DRAINAGE DETAILS	18–2382 SCALE N.T.S.

NO.	DATE	BY	REVISIONS
1	3-15-21	SAG	ADDED DETAIL AS PER ENGINEER

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PROFESSIONAL ENGINEERING RESOURCES, INC.
10225 ULMERTON ROAD, SUITE 4D LARGO, FL. 33771
CIVIL ENGINEERS, PLANNERS, PERMIT EXPEDITORS (727) 408-5207
CERTIFICATE OF AUTHORIZATION NUMBER: 4401

DRAWING TYPE
■ PRELIMINARY
□ CONSTRUCTION
□ RECORD

DESIGNED BY: PVS | CHECKED BY: PVS
DRAWN BY: SAG | DATE: 10-19-20

PAUL V. SHERMA, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 35628

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY PAUL V. SHERMA, PE ON THE DATE ADJACENT TO THE SEAL USING A SHA AUTHENTICATION CODE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES. 10-19-20.

APPROVED

PAUL V. SHERMA,REG. NO. 35628

SHEET NUMBER 24