SITE & DEVELOPMENT/ CONSTRUCTION PLANS
FOR
NEW DETACHED ACCESSORY GARAGE FOR ALOHA CONDOS

SECTION 01, TOWNSHIP 39 SOUTH, RANGE 18 EAST
1329 TARPON CENTER DRIVE
VENICE, FLORIDA

EXISTING SITE DATA TABLE:
Zoning: RMF-4
FLU: High Density Residential
PID: 0000007031
Owner: ALOHA INC. A CONDOMINIUM ASSOCIATION
USE: Residential (Existing 2 Story Structure and accessory covered parking) 6 Dwelling Units
Area: 29,770 GSF or 0.683 Ac

Required RMF-4 Development Standards:
- Building Ht (Max): 46-ft (+10 for understory parking)
- Setbacks: 20 Front/15 Side/ 10 rear/ 20 Waterfront
- Lot width: Min 100 ft
- Lot Area (min per DU): 2,420 GSF
- Coverage (Max): 45%

Required Perimeter Buffer (Section 3; Table 4.3):
RMF- RMF - None

Existing Building Data:
Existing Setbacks: 1.6-ft
Existing Building Height of the Primary Structure and Parking Structure (as measured from site specific wave model): 11'-7"
Existing Lot Coverage: Primary Structure (5,430 GSF) + Garage (1,151 GSF) = 6,581 GF or 22%

WIBD: WIBD 2018A - Roberts Bay

FLU/ZONING OF ADJACENT PROPERTIES:

Direction	Current Zoning	FLU
North	RMF-4	High Density Residential
South	RMF-4	High Density Residential
East	RMF-4	High Density Residential
West	N/A	N/A

PROPOSED SITE DATA TABLE:
Zoning: RMF-4
FLU: High Density Residential
PID: 0000007031
Owner: ALOHA INC. A CONDOMINIUM ASSOCIATION
USE: Residential (Existing 2 Story Structure and replacement accessory covered parking) 6 Dwelling Units
Area: 29,770 GSF or 0.683 Ac

Existing Structure to be demolished: Single Story - 1,151 GSF/ 5 covered parking spaces
Proposed Structure: Two-story - 1,184 GSF/ 6 parking spaces

Proposed RMF Development Standards:
- Proposed Building Height of the Parking Structure (as measured from site specific wave model): 11'-6"
- Proposed building Setback: 5-ft
- Proposed and Existing Lot width: 100 ft
- Proposed and Existing Lot Area (min per DU): 2,420 GSF
- Coverage (Proposed): 5,430 GSF + 1,814 GSF = 7,244 GSF or 24%

Proposed Perimeter Buffer (Section 3; Table 4.3):
RMF- RMF - None

Drainage Calcs - Site Area Calculations:
- Impervious Areas:
  - Existing impervious areas reduced by approximately 32 GSF
  - Existing areas subject to vehicular traffic area is reduced by approximately 743 GSF

Parking Calculations:
Parking Space Calculations (per LDC Table 3.6.1): Min 1.0/Dwelling and max 2/dwelling and 10% of total parking provided.
Parking Range Required: Min (7) and Max (14)
Parking Proposed: 10 Standard Parking Spaces

Utilities and Solid Waste

Water: Potable Water supply shall be provided by the city of Venice. Fire Hydrant locations are shown on Utility Plans. Any Public Utility Lines will be provided within an easement for purposes of maintenance by the City of Venice Utility Dept.

Sewer: Wastewater Collection and Treatment shall be provided by the City of Venice

Irrigation: TBD

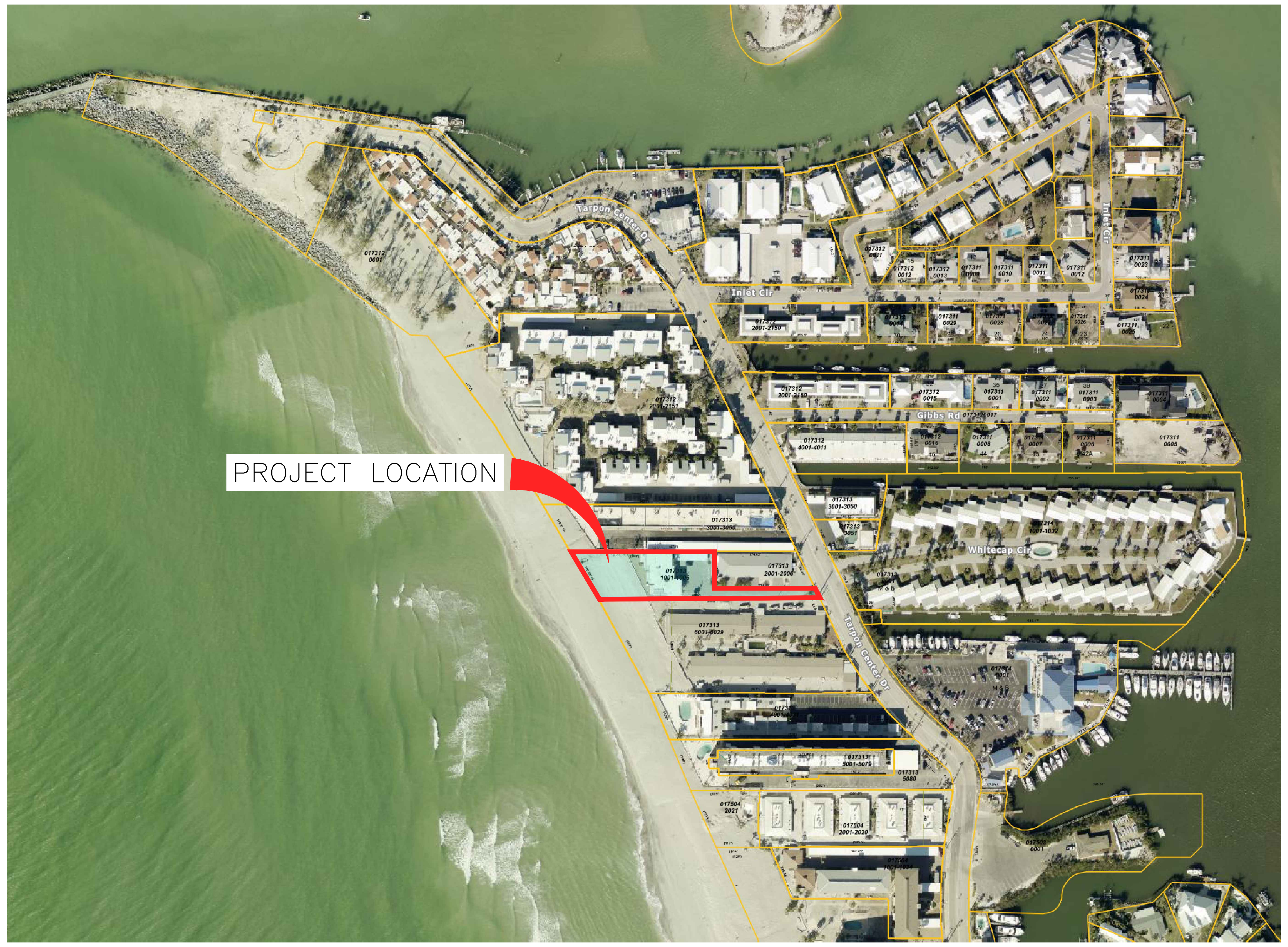
Solid Waste: Commercial Solid Waste provided by the city of Venice

Stormwater Management System will be privately owned and maintained per SWFWMD ERP.

No known wells on site

CLIENT:
ALOHA INC, A CONDOMINIUM ASSOCIATION
1329 TARPON CENTER DRIVE VENICE, FLORIDA

LEGAL DESCRIPTION:
THE SURVEY AS SHOWN HEREON WAS MADE WITHOUT BENEFIT OF ABSTRAC OF TITLE, AND THEREFOR THE UNDERSIGNED AND BENNETT-PANFIL, 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 ARE IN EXISTENCE ON THE LAND SURVEYED, THEN IN THAT EVENT, THE SAME (IS) ARE SHOWN HEREON. 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 GRID NORTH AND COORDINATES SHOWN HEREON ARE BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE AS REFERENCED TO NAD(83) -(2011)-(EPOCH 2010.0000) AND WAS LOCATED USING THE FLORIDA PERMANENT REFERENCE NETWORK WITH REAL TIME KINEMATIC GPS. SYMBOL CHARACTERS AND OR POSITIONS MAY NOT BE DEPICTED TO SCALE FOR CLARIFICATION PURPOSES.



SHEET INDEX:

C-000 COVER SHEET
C-100 EXISTING CONDITIONS AERIAL & DEMO PLAN
C-200 EXISTING SURVEY & CROSS SECTIONS
C-300 PROPOSED SITE PLAN
C-400 PROPOSED PAVING, GRADING, DRAINAGE & UTILITY PLAN
C-600 CONSTRUCTION DETAILS
C-601 CONSTRUCTION DETAILS
C-800 BEST MANAGEMENT PRACTICES PLAN
C-810 EROSION & SEDIMENT CONTROL DETAILS
C-820 STORMWATER POLLUTION PREVENTION PLAN NOTES

UTILITY SERVICE PROVIDER

TELEPHONE:
FRONTIER
1701 RINGLING BLVD
SARASOTA, FL 34236
941 952-5624

CATV:
COMCAST CABLE
5205 FRUITVILLE ROAD
SARASOTA, FL 34232
PHIL BELANGER
941-342-3577

GAS:
TECO PEOPLES GAS
8261 VICO CT
FERRAL GAS
SARASOTA, FL 34240
941-342-4020

FLORIDA POWER & LIGHT:
420 ALBEE FARM ROAD
PAM DURHAM
941-483-2013

WATER:
CITY OF VENICE
UTILITIES DEPT
401 WEST VENICE AVE
VENICE, FL 34285
941-480-3333

SEWER:
CITY OF VENICE
UTILITIES DEPT
401 WEST VENICE AVE
VENICE, FL 34285
941-480-3333

811
Know what's below.
Call before you dig.

PROJECT CONTRACT INFORMATION:

SURVEYOR: BPI, INC
742 Shamrock Blvd
Venice, FL 34293
941-497-1290

ARCHITECT: BEEBE DESIGN STUDIO ARCHITECTS
825 S. TAMIAMI TRL
VENICE, FL 34285
941-484-6762

CONTRACTOR: TBD

GENERAL CONSTRUCTION NOTES:

1. THERE SHALL BE NO CHANGE OR DEVIATION FROM THESE PLANS UNLESS PRIOR APPROVAL BY THE ENGINEER.
2. All CLEARING AND GRUBBING DEBRIS TO BE BURNED OR REMOVED FROM SITE AND IS PART OF CLEARING AND GRUBBING ITEM.
3. IT IS THE INTENT OF THE OWNER THAT CERTAIN TREES BE DESIGNATED TO BE SAVED AND PROTECTED BY THE CONTRACTOR. IT IS ASSUMED THESE TREES ARE HEALTHY AND ARE EXPECTED TO BE PART OF THE LANDSCAPE DEVELOPMENT THEREFORE, IF ANY TREE(S) DAMAGED BY CONSTRUCTION OPERATION OR BY OTHER MEANS (EXCLUDING LIGHTNING. WINDSTORM AND OTHER ACTS OF GOD) PERISH WITHIN THE CONSTRUCTION PERIOD. IT WILL BE THE RESPONSIBILITY OF CONTRACTOR TO REMOVE AND DISPOSE OF THEM AS PART HIS CONTRACT. NO ADDITIONAL COMPENSATION WILL BE MADE BY THE OWNER FOR THE LABOR. MATERIAL OR MACHINERY REQUIRED TO REMOVE SAID TREE(S).
4. WHERE EXCAVATIONS ARE IN CLOSE PROXIMITY OF TREES. THE CONTRACTOR SHALL USE EXTREME CARE TO NOT DAMAGE THE ROOT SYSTEMS. NO EQUIPMENT, SUPPLIES OR VEHICLES SHALL BE STORED OR PARKED WITHIN THE DRIP LINE OF THE TREES TO REMAIN AND BE PRESERVED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ALL OF HIS EMPLOYEES AND SUBCONTRACTORS OF THIS REQUIREMENT AND TO ENFORCE SAME.
5. LAY SOD AROUND ALL INLETS, MITERED END WALLS, HEADWALLS, SWALES. LAKE SLOPES. AND 2' STRIP ADJACENT TO ALL CURBING, AND AS DIRECTED BY THE ENGINEER. ALL PROPOSED GROUND ELEVATIONS ARE FINISHED SOD ELEVATIONS. FINISHED EARTHWORK GRADING WILL BE 0.2 FEET BELOW ELEVATIONS SHOWN TO ALLOW FOR SOD THICKNESS. SODDING INCLUDES MAINTAINING SLOPES AND SOD UNTIL COMPLETION AND ACCEPTANCE OF TOTAL PROJECT OR GROWTH IS ESTABLISHED WHICHEVER COMES LAST. ALL EROSION SILTATION AND MAINTAINING GRADES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL PROJECT IS COMPLETE AND EXCEPTED BY OWNER.
6. "CALL SUNSHINE STATE ONE-CALL OF FLORIDA" (811). COMCAST CABLE. FP&L. CITY OF VENICE UTILITIES DEPARTMENT, AND GENERAL TELEPHONE COMPANY PRIOR TO EXCAVATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXISTING UTILITIES FROM DAMAGE.
7. ALL UTILITY LINES, STORM DRAIN LINES AND ACCESSORIES SUCH AS, BUT NOT LIMITED TO: MANHOLES, CLEANOUTS. SEWER AND WATER SERVICES. VALVES. FIRE HYDRANTS AND INLETS WILL BE CONSTRUCTED TO ALIGNMENT AND LOCATIONS SHOWN ON PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
8. CLEARING, GRUBBING, STRIPPING, AND COMPACTION WILL BE REVIEWED BY THE ENGINEER PRIOR TO FILLING.
9. PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. PRESERVE AREAS WITHIN AND ADJOINING THE AREA OF CONSTRUCTION ACTIVITY SHALL BE PROTECTED BY ERECTION OF TREE PROTECTION BARRICADES AND/OR SILT BARRIERS. TREE PROTECTION BARRICADES SHALL MEET THE STANDARDS OF SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT. SILT BARRIERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "BEST MANAGEMENT PRACTICE GUIDELINES" AND THE BMP DETAILS SHOWN ON THESE PLANS. THE ENGINEER WILL DETERMINE AND APPROVE THE EXTENT AND TYPE OF PROTECTIVE MEASURES TO BE CONSTRUCTED FOR PROTECTION OF PRESERVE AREAS. THE ENGINEER SHALL BE NOTIFIED WHEN PRESERVE AREA BARRICADES AND BARRIERS ARE IN PLACE.
10. ALL IMPROVEMENTS TO BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST VERSION OF THE CITY OF VENICE DETAILS.
11. A TREE PERMIT WILL BE REQUIRED PRIOR TO ANY CONSTRUCTION. NATIVE VEGETATIVE REMOVAL WITHIN THE DRIPLINE OF A TREE. AND OR TREE REMOVAL

REV, DATE AND DESCRIPTION	REVISION
04/23/2026 REVISED PER COV COMMENTS DATED 04/23/26	

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MELANIE DELEHANTY SMITH, PE ON THE DATE ADJACENT TO THE SEAL.

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Digitally signed by Melanie Smith
Date: 2026.04.29 11:47:06-04'00'

No. 75447

MELANIE DELEHANTY SMITH, PE FL #75447
PROFESSIONAL ENGINEER

DATE: 10/2025
DRAWN BY: BL
CHECKED BY: MDS
JOB NO: 2025-025

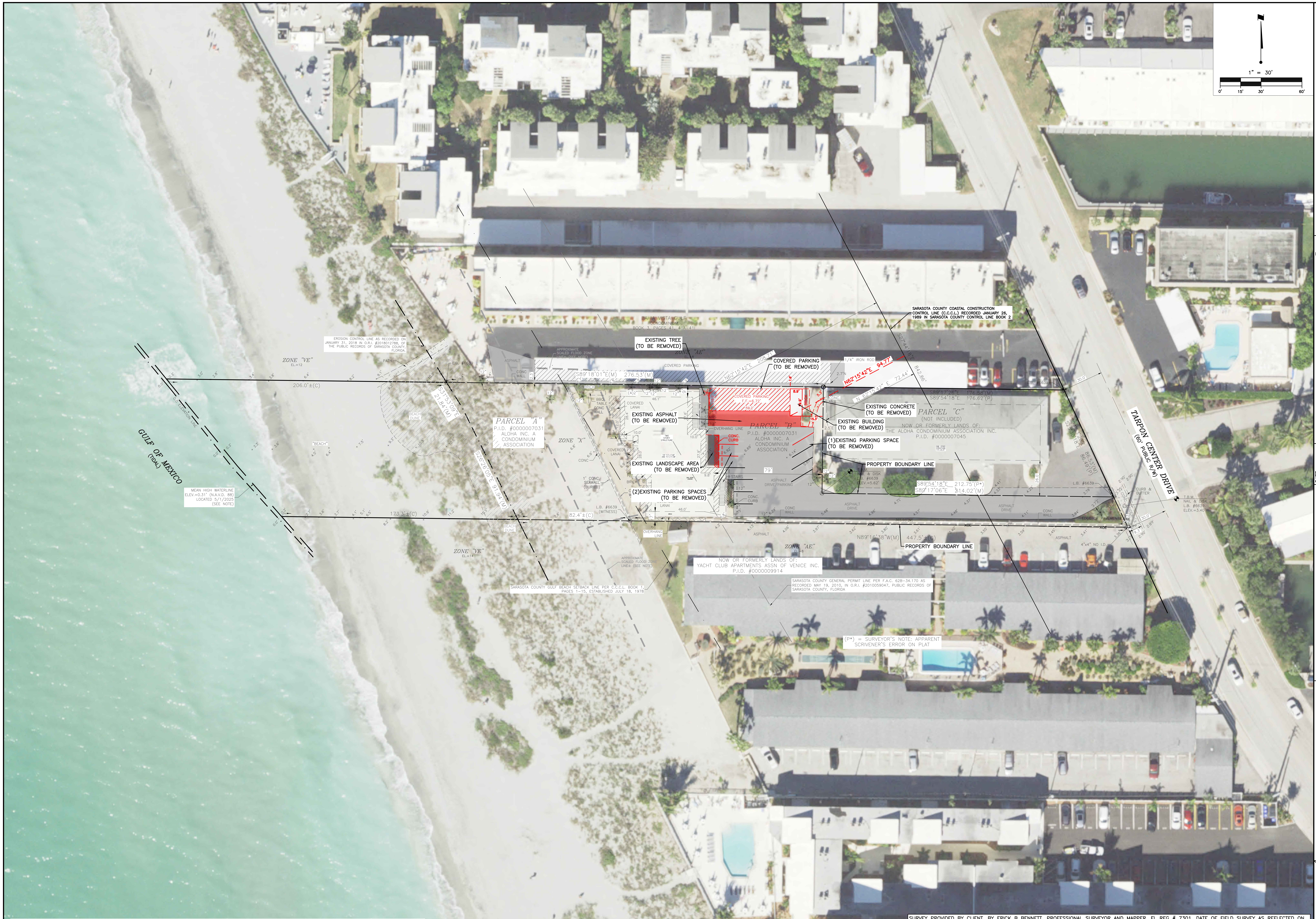
ALOHA INC, A CONDOMINIUM ASSOCIATION
1329 TARPON CENTER DRIVE
VENICE, FLORIDA

COVER SHEET
SCALE: NTS

Mel-Haven
PASSIONATE ENGINEERING
ADDRESS:
5342 CLARK RD #1182
SARASOTA, FL 34233
PHONE: (941) 468-3742
WWW. MELHAVENENGINEERING.COM

C-000

12


1" = 30'
0'
15'
30'
60'
GULF OF MEXICO
(TIDAL)
ZONE "VE"
EL.=12
ZONE "VE"
EL.=14
ZONE "X"
ZONE "AE"
EL.=8
0.0 ELEVATION LINE
206.0'±(C)
173.3'±(C)
82.4'±(C)
"BEACH"
BEACH DUNE
PATH
EROSION CONTROL LINE AS RECORDED ON JANUARY 31, 2018 IN O.R.I. #2018012788, OF THE PUBLIC RECORDS OF SARASOTA COUNTY, FLORIDA.
MEAN HIGH WATERLINE ELEV.=0.31' (N.A.V.D. 88) LOCATED 5/1/2025 (SEE NOTE)
S31°53'09"E 21.84'(M)
S26°26'05"E 91.94'(M)
L.B. #6639
L.B. #6639 (WITNESS)
ON LINE
PARCEL "A"
P.I.D. #0000007031
ALOHA INC. A CONDOMINIUM ASSOCIATION
1' CONC. SEAWALL (BURIED)
SARASOTA COUNTY GULF BEACH SETBACK LINE PER C.C.C.L. BOOK 1, PAGES 1–15, ESTABLISHED JULY 18, 1978
APPROXIMATE SCALED FLOOD ZONE LINE± (SEE NOTE)
BAHIA VISTA GULF CONDOMINIUM BOOK 3, PAGES 41, 41A–41I
S89°18'01"E(M) 276.53'(M)
N62°15'42"E 208.71'
EXISTING TREE (TO BE REMOVED)
COVERED PARKING
COVERED PARKING (TO BE REMOVED)
COVERED PARKING F.F.=6.72'
59.2'
1/4" IRON ROD
2.7'N
N62°15'42"E 94.77'
N 62°15'42" E 72.44'
S27°44'18"E 842.86'
SARASOTA COUNTY COASTAL CONSTRUCTION CONTROL LINE (C.C.C.L.) RECORDED JANUARY 26, 1989 IN SARASOTA COUNTY CONTROL LINE BOOK 2
EXISTING CONCRETE (TO BE REMOVED)
EXISTING BUILDING (TO BE REMOVED)
EXISTING ASPHALT (TO BE REMOVED)
EXISTING LANDSCAPE AREA (TO BE REMOVED)
(1)EXISTING PARKING SPACE (TO BE REMOVED)
(2)EXISTING PARKING SPACES (TO BE REMOVED)
PROPERTY BOUNDARY LINE
PARCEL "B"
P.I.D. #0000007031
ALOHA INC. A CONDOMINIUM ASSOCIATION
CONC. CURB
OVERHANG LINE
STAIRS
TWO STORY STRUCTURE
1ST F.F.=7.46'
2ND F.F.=17.38'
COVERED LANAI
BBQ TABLE
CONC WALL
BRICK
ASPHALT DRIVE/PARKING
79'
PARCEL "C"
(NOT INCLUDED)
NOW OR FORMERLY LANDS OF: THE ALOHA CONDOMINIUM ASSOCIATION INC.
P.I.D. #0000007045
ONE STORY STRUCTURE F.F.=5.31'
S89°17'26"E 176.58'(M)
S89°54'18"E 176.62'(P)
S89°54'18"E 212.75'(P*)
S89°17'06"E 214.02'(M)
T.B.M. NAIL & DISK L.B. #6639 ELEV.=5.62'
ASPHALT DRIVE
365.03'(M)
N89°16'38"W(M) 447.5'±(C)
S24°53'26"E
S25°30'18"E
86.53'(M)
86.49'(P)
30.0'
26.0'
TARPON CENTER DRIVE
(60' PUBLIC R/W)
CURB & GUTTER
CONC. SIDEWALK
SIGN
EDGE OF PAVEMENT±
4"x4" NO I.D.
T.B.M. NAIL & DISK L.B. #6639 ELEV.=3.40'
ASPHALT
NOW OR FORMERLY LANDS OF: YACHT CLUB APARTMENTS ASSN OF VENICE INC. P.I.D. #0000009914
SARASOTA COUNTY GENERAL PERMIT LINE PER F.A.C. 62B–34.170 AS RECORDED MAY 19, 2010, IN O.R.I. #2010059047, PUBLIC RECORDS OF SARASOTA COUNTY, FLORIDA
(P*) = SURVEYOR'S NOTE: APPARENT SCRIVENER'S ERROR ON PLAT

SURVEY PROVIDED BY CLIENT, BY ERICK B BENNETT, PROFESSIONAL SURVEYOR AND MAPPER, FL REG # 7301. DATE OF FIELD SURVEY AS REFLECTED ON THE SIGNED AND SEALED DOCUMENTS: 05/01/2025; SURVEY WAS PREPARED AND CERTIFIED TO ALOHA INC. A CONDOMINIUM ASSOCIATION, 05/01/2025.

MELANIE D SMITH HAS REVIEWED THE DATA AS RECEIVED TO OBSERVATION IN THE FILED AS WELL AS HISTORICAL DATA FOR THE SITE

THESE DRAWINGS ARE THE PROPERTY OF MEL-HAVEN ENGINEERING, LLC AND IS NOT TO BE USED OR REPRODUCED OR COPIED IN WHOLE OR IN PART. USE OR COPY IS PERMITTED BY CONTRACT ONLY, AND PLANS ARE TO BE RETURNED UPON REQUEST. ALL MEASUREMENTS, DIMENSIONS, OR ANY EXISTING STRUCTURES OR VEGETATION TO REMAIN TO BE FIELD VERIFIED BEFORE ANY CONSTRUCTION.

REVISION

△ REV, DATE AND DESCRIPTION

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MELANIE DELEHANTY SMITH, PE ON THE DATE ADJACENT TO THE SEAL.

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

No. 75447

Digitally signed by Melanie Smith
Date: 2026.04.29 11:46:53-04'00'

MELANIE DELEHANTY SMITH, PE FL #75447
PROFESSIONAL ENGINEER

DATE:	DRAWN BY:	CHECKED BY:	JOB NO:
10/2025	BL	MDS	2025-025

ALOHA INC, A CONDOMINIUM ASSOCIATION

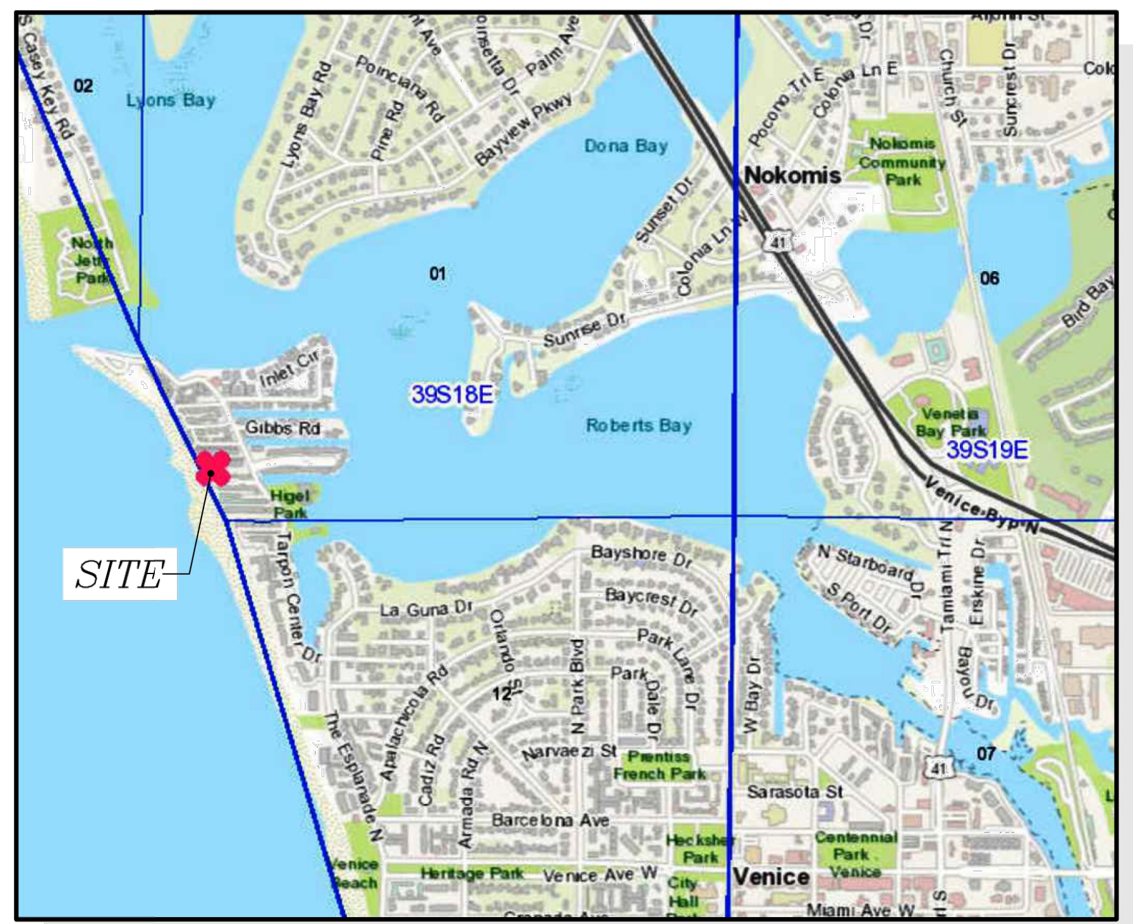
1329 TARPON CENTER DRIVE
VENICE, FLORIDA

EXISTING CONDITIONS AERIAL & DEMO PLAN

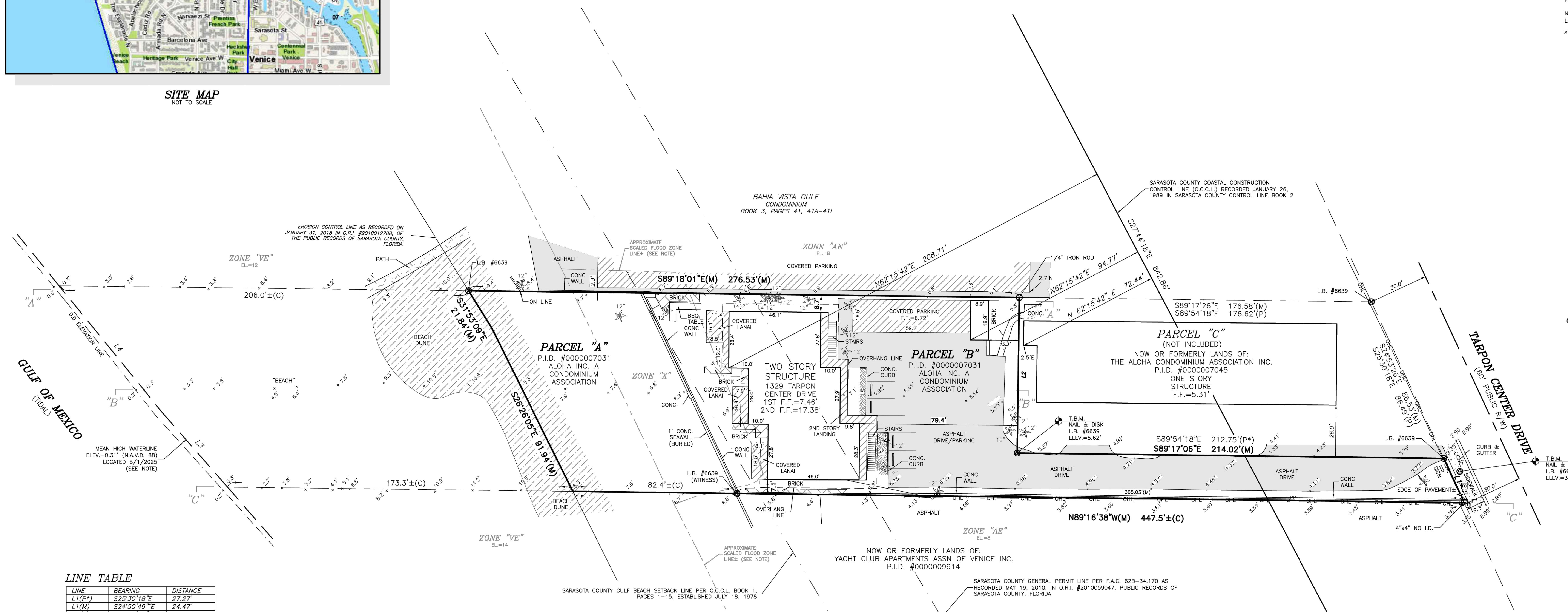
SCALE: 1" = 30'

Mel-Haven
PASSIONATE ENGINEERING
ADDRESS:
5342 CLARK RD #1182
SARASOTA, FL 34233
PHONE: (941) 488-3742
WWW.MELHAVENENGINEERING.COM

C-100



SITE MAP
NOT TO SCALE


GULF OF MEXICO
(TIDAL)
"A"
"B"
"C"
0.0' ELEVATION LINE
L3
L4
MEAN HIGH WATERLINE ELEV.=0.31' (N.A.V.D. 88) LOCATED 5/1/2025 (SEE NOTE)
ZONE "VE" EL.=12
ZONE "VE" EL.=14
ZONE "X"
ZONE "AE" EL.=8
206.0'±(C)
173.3'±(C)
"BEACH"
BEACH DUNE
EROSION CONTROL LINE AS RECORDED ON JANUARY 31, 2018 IN O.R.I. #2018012788, OF THE PUBLIC RECORDS OF SARASOTA COUNTY, FLORIDA.
PATH
L.B. #6639
ON LINE
S31°53'09"E 21.84'(M)
S26°26'05"E 91.94'(M)
PARCEL "A"
P.I.D. #0000007031
ALOHA INC. A CONDOMINIUM ASSOCIATION
82.4'±(C)
ASPHALT
CONC WALL
APPROXIMATE SCALED FLOOD ZONE LINE± (SEE NOTE)
BAHIA VISTA GULF CONDOMINIUM BOOK 3, PAGES 41, 41A-41I
COVERED PARKING
S89°18'01"E(M) 276.53'(M)
N62°15'42"E 208.71'
BRICK
BBQ TABLE
CONC WALL
COVERED LANAI
TWO STORY STRUCTURE
1329 TARPON CENTER DRIVE
1ST F.F.=7.46'
2ND F.F.=17.38'
2ND STORY LANDING
STAIRS
OVERHANG LINE
CONC. CURB
1' CONC. SEAWALL (BURIED)
L.B. #6639 (WITNESS)
OVERHANG LINE
COVERED PARKING F.F.=6.72'
PARCEL "B"
P.I.D. #0000007031
ALOHA INC. A CONDOMINIUM ASSOCIATION
ASPHALT DRIVE/PARKING
79.4'
1/4" IRON ROD
2.7'N
N62°15'42"E 94.77'
N 62°15'42" E 72.44'
2.5'E
L2
T.B.M. NAIL & DISK L.B. #6639 ELEV.=5.62'
NOW OR FORMERLY LANDS OF: YACHT CLUB APARTMENTS ASSN OF VENICE INC. P.I.D. #0000009914
SARASOTA COUNTY GULF BEACH SETBACK LINE PER C.C.C.L. BOOK 1, PAGES 1-15, ESTABLISHED JULY 18, 1978
SARASOTA COUNTY GENERAL PERMIT LINE PER F.A.C. 62B-34.170 AS RECORDED MAY 19, 2010, IN O.R.I. #2010059047, PUBLIC RECORDS OF SARASOTA COUNTY, FLORIDA
SARASOTA COUNTY COASTAL CONSTRUCTION CONTROL LINE (C.C.C.L.) RECORDED JANUARY 26, 1989 IN SARASOTA COUNTY CONTROL LINE BOOK 2
S27°44'18"E 842.86'
S89°17'26"E 176.58'(M)
S89°54'18"E 176.62'(P)
PARCEL "C"
(NOT INCLUDED)
NOW OR FORMERLY LANDS OF: THE ALOHA CONDOMINIUM ASSOCIATION INC.
P.I.D. #0000007045
ONE STORY STRUCTURE F.F.=5.31'
S89°54'18"E 212.75'(P*)
S89°17'06"E 214.02'(M)
26.0'
ASPHALT DRIVE
CONC WALL
365.03'(M)
N89°16'38"W(M) 447.5'±(C)
EDGE OF PAVEMENT±
4"x4" NO I.D.
L.B. #6639
30.0'
S24°53'26"E 86.53'(M)
S25°30'18"E 86.49'(P)
CURB & GUTTER
SIDEWALK
SIGN
L1
TARPON CENTER DRIVE
(60' PUBLIC R/W)
T.B.M. NAIL & DISK L.B. #6639 ELEV.=3.40'

LINE TABLE

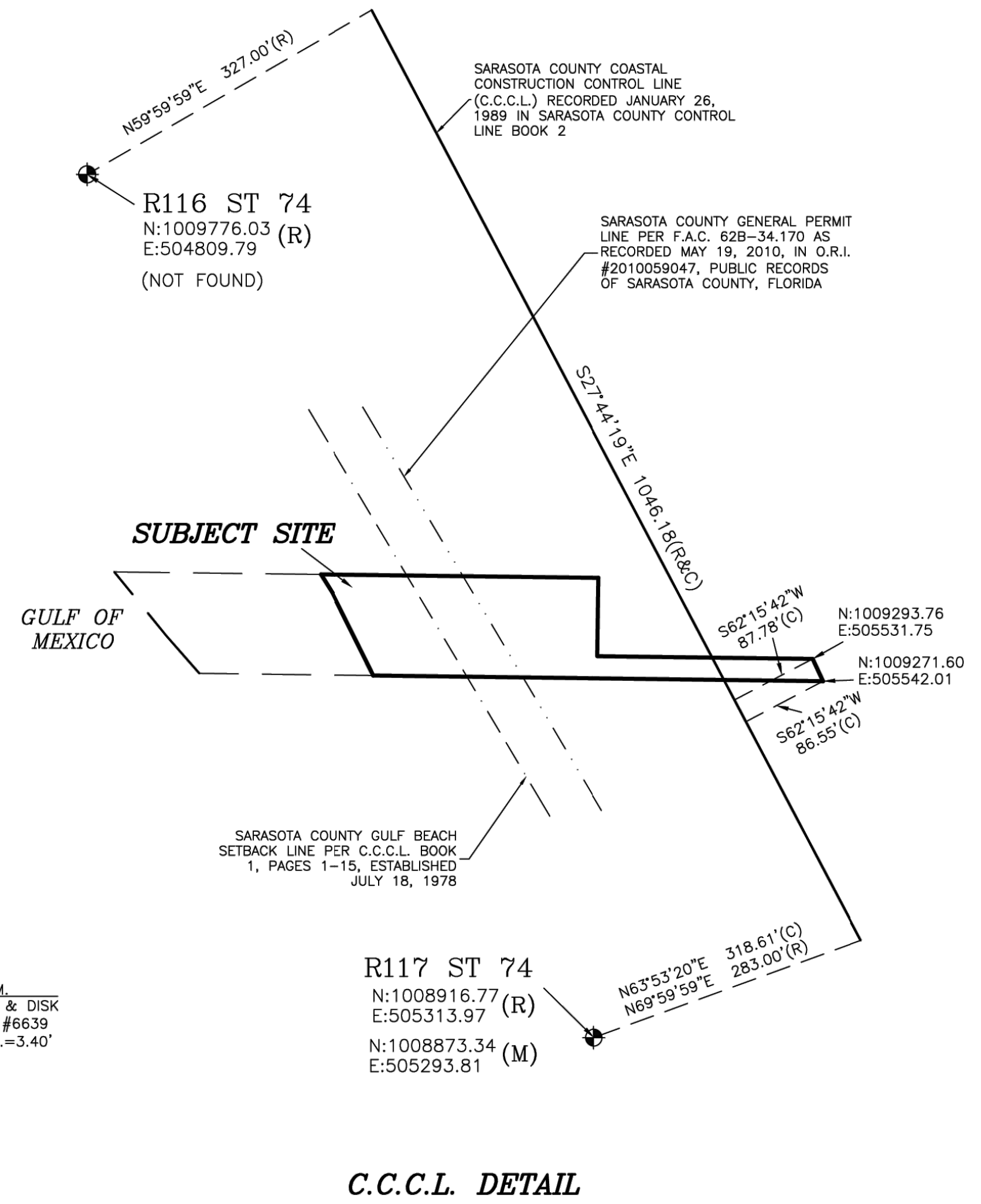
LINE	BEARING	DISTANCE
L1(P*)	S25°30'18"E	27.27'
L1(M)	S24°50'49""E	24.47'
L2(P)	S00°05'42"W	78.00'
L2(M)	S00°44'58"W	78.01'
L3(C)	N41°10'13"W	49.98'
L4(C)	N39°10'26"W	81.70'

(P*) = SURVEYOR'S NOTE: APPARENT SCRIVENER'S ERROR ON PLAT

LEGEND

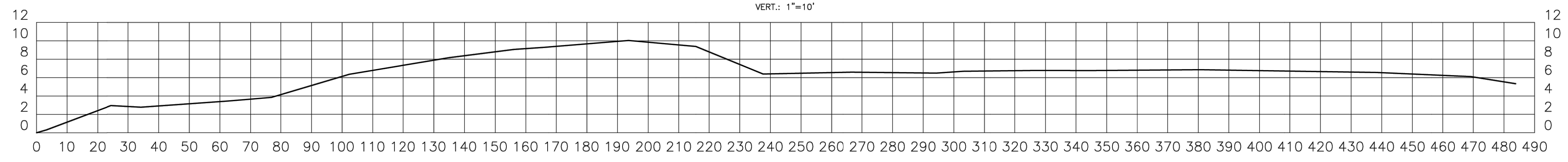
(P) = PLAT DIMENSION
(M) = MEASURED DIMENSION
(C) = CALCULATED DIMENSION
(D) = DEEDED DIMENSION
(R) = RECORDED DIMENSION
U. & D. = UTILITY & DRAINAGE
L.B. = LICENSED SURVEYOR BUSINESS
L.S. = LAND SURVEYOR
R.L.S. =REGISTERED LAND SURVEYOR
P.L.S. =PROFESSIONAL LAND SURVEYOR
P.S.M. = PROFESSIONAL SURVEYOR AND MAPPER
P.C.P. = PERMANENT PLAT CONTROL POINT
P.R.M. = PERMANENT REFERENCE MONUMENT
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
F.I.R.M. = FLOOD INSURANCE RATE MAP
N.A.V.D. = NORTH AMERICAN VERTICAL DATUM
N.A.D. = NORTH AMERICAN DATUM
P.B., PG. = PLAT BOOK, PAGE
P.I.D. = PARCEL IDENTIFICATION NUMBER
O.R.I. = OFFICIAL RECORDS INSTRUMENT
O.R.B. = OFFICIAL RECORDS BOOK
T.B.M. = TEMPORARY BENCH MARK
F.F. = FINISHED FLOOR
GAR. = GARAGE
EL., ELEV. = ELEVATION
INV. = INVERT ELEVATION
(TYP.) = TYPICAL
CONC. = CONCRETE
I.D. = IDENTIFICATION
A/C = AIR CONDITIONER
SQ. FT. = SQUARE FEET
M.H.W.L. = MEAN HIGH WATER LINE
M.L.W.L. = MEAN LOW WATER LINE
F.D.E.P. = FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
N.G.S. = NATIONAL GEODETIC SURVEY
LS = LANDSCAPE AREA
× 2.0' = EXISTING ELEVATION

□ = CONCRETE MONUMENT FOUND (SIZE & I.D. NOTED)
■ = CONCRETE MONUMENT SET (4"X4", L.B. #6639)
● = 5/8" CAPPED IRON ROD SET (L.B. #6639)
⊗ = CAPPED IRON ROD FOUND (I.D. NOTED)
○ = 5/8" IRON ROD FOUND
△ = NAIL & DISK FOUND (I.D. NOTED)
▲ = NAIL & DISK SET (L.B. #6639)
◎ = FOUND METAL DISK (I.D. NOTED)
◉ = METAL DISK SET (L.B. #6639)
⬠ = IRON PIPE FOUND (SIZE NOTED)
△ = NAIL FOUND
⊠ = X-CUT FOUND
⊕ = FOUND DRILL HOLE
Ⓔ = ELECTRIC METER
PP = CONCRETE UTILITY POLE
↓ = GUY ANCHOR
Ⓣ = TELEPHONE RISER
FO = FIBER OPTICS HAND HOLE
—OHL— = OVERHEAD LINE
✳ = PALM TREE (SIZE NOTED)

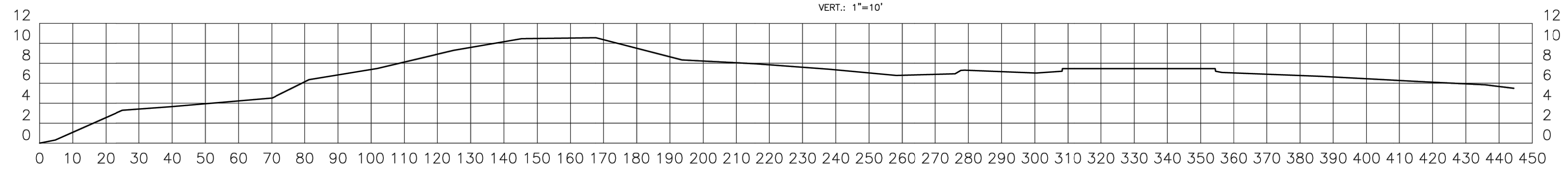

N59°59'59"E 327.00'(R)
R116 ST 74
N:1009776.03 (R)
E:504809.79
(NOT FOUND)
SARASOTA COUNTY COASTAL CONSTRUCTION CONTROL LINE (C.C.C.L.) RECORDED JANUARY 26, 1989 IN SARASOTA COUNTY CONTROL LINE BOOK 2
SARASOTA COUNTY GENERAL PERMIT LINE PER F.A.C. 62B-34.170 AS RECORDED MAY 19, 2010, IN O.R.I. #2010059047, PUBLIC RECORDS OF SARASOTA COUNTY, FLORIDA
S27°44'19"E 1046.18(R&C)
SUBJECT SITE
GULF OF MEXICO
S62°15'42"W 87.78'(C)
N:1009293.76
E:505531.75
N:1009271.60
E:505542.01
S62°15'42"W 86.55'(C)
SARASOTA COUNTY GULF BEACH SETBACK LINE PER C.C.C.L. BOOK 1, PAGES 1-15, ESTABLISHED JULY 18, 1978
R117 ST 74
N:1008916.77 (R)
E:505313.97
N:1008873.34 (M)
E:505293.81
N63°53'20"E 318.61'(C)
N69°59'59"E 283.00'(R)

C.C.C.L. DETAIL
NOT TO SCALE

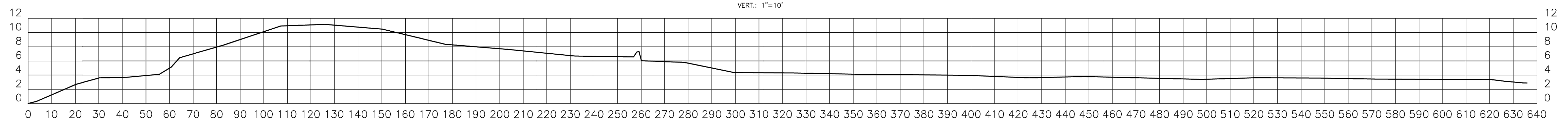
PROFILE "A"
HORZ.: 1"=30'
VERT.: 1"=10'



PROFILE "B"
HORZ.: 1"=30'
VERT.: 1"=10'



PROFILE "C"
HORZ.: 1"=30'
VERT.: 1"=10'



MEAN HIGH WATER NOTE

POINT IDENTIFICATION NO.: 100162
MEAN HIGH WATER ELEV.(MHW): 0.31' (N.A.V.D. 1988)
MEAN LOW WATER ELEV.(MLW): −1.31' (N.A.V.D. 1988)
PROCEDURE: EXTEND ABOVE MHW ELEVATION TO SITE.
SOURCE OF DATA: FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF SURVEYING AND MAPPING.

THE APPROXIMATE MEAN HIGH WATER LINE AS SHOWN ON THIS PLAT IS NOT A TIDAL PROPERTY BOUNDARY, WAS NOT LOCATED IN ACCORDANCE WITH PROCEDURES SPECIFIED IN THE "COASTAL MAPPING ACT OF 1974" (CHAPTER 177, PART II OF THE FLORIDA STATUTES), AND THE "RULES OF THE DEPARTMENT OF NATURAL RESOURCES" (CHAPTER 16-3 OF THE FLORIDA ADMINISTRATIVE CODE) AND IS NOT TO BE USED AS, REPRESENTED TO BE, OR BE ADMISSIBLE AS A TIDAL PROPERTY LINE BEFORE ANY ADMINISTRATIVE BODY OR COURT OF LAW. THE APPROXIMATE MEAN HIGH WATER LINE HAS BEEN USED DUE TO IT BEING INCIDENTAL TO THE PURPOSE TO WHICH THIS PLAT HAS BEEN PREPARED.

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.

THE SCALED FLOOD ZONE LINE AS SHOWN HEREON IS FOR VISUAL PURPOSES ONLY AND NEEDS TO BE VERIFIED BY A F.E.M.A. OFFICIAL.

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 (**8**), AND ZONE " **VE** " BASE FLOOD ELEVATION (**12**) AS PER F.I.R.M. MAP **#12115C 0327 G, DATED 03/27/2024.**

TO BE VERIFIED BY THE LOCAL F.E.M.A. OFFICIAL

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 #T 726, ELEVATION 7.18' (N.A.V.D. 1988)

SURVEYOR'S NOTES

DESCRIPTION FURNISHED BY CLIENT.

THE SURVEY AS SHOWN HEREON WAS MADE WITHOUT BENEFIT OF ABSTRACT OF TITLE, AND THEREFOR THE UNDERSIGNED AND BENNETT-PANFIL, 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.

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 GRID NORTH AND COORDINATES SHOWN HEREON ARE BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE AS REFERENCED TO NAD(83)-(2011)-(Epoch 2010.0000) AND WAS LOCATED USING THE FLORIDA PERMANENT REFERENCE NETWORK WITH REAL TIME KINEMATIC GPS.

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

#	REVISION DESCRIPTION	INITIALS	DATE
1	REVISE BUILDING DESCRIPTION	E.B.B.	11/16/22
2	REVISE FLOOR ELEVATION	E.B.B.	11/17/22
3	UPDATE SURVEY PER 62B-33.0081	D.J.S.	5/1/25

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, 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.

BENNETT-PANFIL, INC.
LICENSED SURVEYOR BUSINESS NO. 6639

ERICK B. BENNETT No. 7301

Digitally signed by Erick B Bennett
Date: 2025.05.27 11:00:28 -04'00'

ERICK B. BENNETT FLORIDA SURVEYOR & MAPPER REG'N #7301

PRINTED COPIES OF THIS DOCUMENT ARE NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. ELECTRONIC COPIES OF THIS DOCUMENT ARE ONLY VALID IF THE DIGITAL SIGNATURE AND DATE HAVE BEEN VERIFIED.

FILE NO. :	22-04-42
DATE(S) OF FIELD SURVEY:	05/01/25
FIELD BOOK(S):	943
PAGE(S):	50
DRAWN BY:	D.J.S.
CHECKED BY:	E.B.B.

CERTIFIED TO:
ALOHA INC. A CONDOMINIUM ASSOCIATION

BOUNDARY & TOPOGRAPHIC SURVEY OF:

ALOHA INC., A CONDOMINIUM ACCORDING TO THE DECLARATION OF CONDOMINIUM RECORDED IN OFFICIAL RECORDS BOOK 575, PAGES 361 TO 393, INCLUSIVE AND AS AMENDED AND AS PER PLAT THEREOF RECORDED IN CONDOMINIUM BOOK 1, PAGES 43 AND 43A AND AMENDED IN CONDOMINIUM BOOK 2, PAGE 11, OF THE PUBLIC RECORDS OF SARASOTA COUNTY, FLORIDA.

SECTION: 01 TOWNSHIP: 39 S. RANGE: 18 E.

BENNETT-PANFIL, INC.
SURVEYING
742 SHAMROCK BLVD.
VENICE, FLORIDA 34293
www.bpisurvey.com
(941) 497-1290
FAX (941) 497-6186

THIS SURVEY IS PROTECTED BY COPYRIGHT AND IS CERTIFIED ONLY TO THE PEOPLE LISTED HEREON, AND ONLY FOR THIS PARTICULAR TRANSACTION. THE SURVEYOR EXPRESSLY DISCLAIMS ANY CERTIFICATION TO THIRD PARTIES IN FUTURE TRANSACTIONS. NO PERSON OTHER THAN THOSE LISTED SHOULD RELY ON THIS SURVEY.
COPYRIGHTED MATERIAL ©2025

SHEET
1 OF 1
NOT VALID UNLESS ALL SHEETS PRESENT

REVISION

△ REV, DATE AND DESCRIPTION

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MELANIE DELEHANTY SMITH, PE ON THE DATE ADJACENT TO THE SEAL.

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

No. 75447

Digitally signed by Melanie Smith
Date: 2026.04.29 11:46:41-04'00'

MELANIE DELEHANTY SMITH, PE FL #75447
PROFESSIONAL ENGINEER

DATE:	10/2025
DRAWN BY:	BL
CHECKED BY:	MDS
JOB NO:	2025-025

ALOHA INC, A CONDOMINIUM ASSOCIATION

1329 TARPON CENTER DRIVE
VENICE, FLORIDA

EXISTING SURVEY & CROSS SECTIONS
SCALE: NTS

Mel-Haven
PASSIONATE ENGINEERING
ADDRESS:
5342 CLARK RD #1182
SARASOTA, FL 34233
PHONE: (941) 468-3742
WWW. MELHAVENENGINEERING.COM

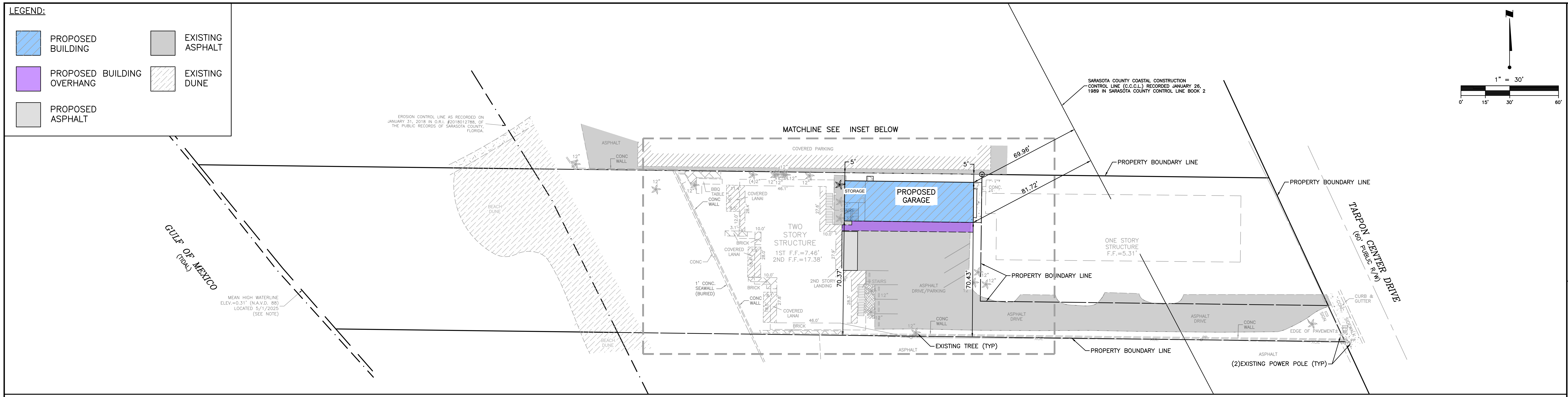
12

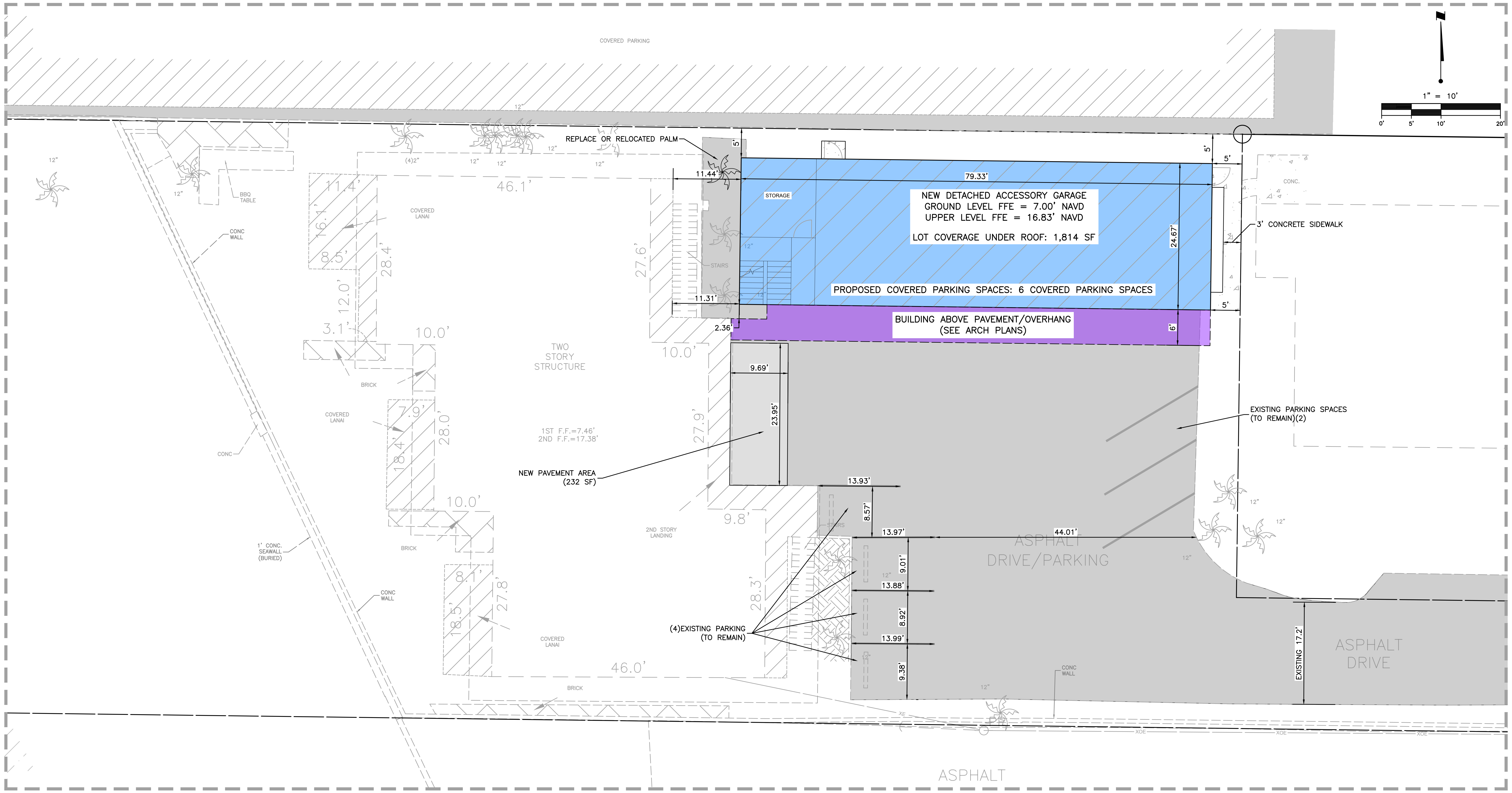
C-200

SURVEY PROVIDED BY CLIENT, BY ERICK B BENNETT, PROFESSIONAL SURVEYOR AND MAPPER, FL REG # 7301. DATE OF FIELD SURVEY AS REFLECTED ON THE SIGNED AND SEALED DOCUMENTS: 05/01/2025; SURVEY WAS PREPARED AND CERTIFIED TO ALOHA INC. A CONDOMINIUM ASSOCIATION, 05/01/2025.

MELANIE D SMITH HAS REVIEWED THE DATA AS RECEIVED TO OBSERVATION IN THE FILED AS WELL AS HISTORICAL DATA FOR THE SITE

THESE DRAWINGS ARE THE PROPERTY OF MEL-HAVEN ENGINEERING, LLC AND IS NOT TO BE USED OR REPRODUCED OR COPIED IN WHOLE OR IN PART. USE OR COPY IS PERMITTED BY CONTRACT ONLY, AND PLANS ARE TO BE RETURNED UPON REQUEST. ALL MEASUREMENTS, DIMENSIONS, OR ANY EXISTING STRUCTURES OR VEGETATION TO REMAIN TO BE FIELD VERIFIED BEFORE ANY CONSTRUCTION.


LEGEND:
▨ PROPOSED BUILDING
▨ PROPOSED BUILDING OVERHANG
▨ PROPOSED ASPHALT
▨ EXISTING ASPHALT
▨ EXISTING DUNE
EROSION CONTROL LINE AS RECORDED ON JANUARY 31, 2018 IN O.R.I. #2018012788, OF THE PUBLIC RECORDS OF SARASOTA COUNTY, FLORIDA.
MATCHLINE SEE INSET BELOW
SARASOTA COUNTY COASTAL CONSTRUCTION CONTROL LINE (C.C.C.L.) RECORDED JANUARY 26, 1989 IN SARASOTA COUNTY CONTROL LINE BOOK 2
1" = 30'
0'
15'
30'
60'
GULF OF MEXICO
(TIDAL)
MEAN HIGH WATERLINE ELEV.=0.31' (N.A.V.D. 88) LOCATED 5/1/2025 (SEE NOTE)
BEACH DUNE
ASPHALT
CONC WALL
COVERED PARKING
BBQ TABLE
COVERED LANAI
TWO STORY STRUCTURE
1ST F.F.=7.46'
2ND F.F.=17.38'
CONC
1' CONC. SEAWALL (BURIED)
BRICK
2ND STORY LANDING
STORAGE
PROPOSED GARAGE
5'
69.96'
81.72'
70.37'
70.43'
ASPHALT DRIVE/PARKING
PROPERTY BOUNDARY LINE
ONE STORY STRUCTURE F.F.=5.31'
TARPON CENTER DRIVE
(60' PUBLIC R/W)
CURB & GUTTER
EDGE OF PAVEMENT
ASPHALT DRIVE
EXISTING TREE (TYP)
(2)EXISTING POWER POLE (TYP)



INSET
1" = 10'

THESE DRAWINGS ARE THE PROPERTY OF MEL-HAVEN ENGINEERING, LLC AND IS NOT TO BE USED OR REPRODUCED OR COPIED IN WHOLE OR IN PART. USE OR COPY IS PERMITTED BY CONTRACT ONLY, AND PLANS ARE TO BE RETURNED UPON REQUEST. ALL MEASUREMENTS, DIMENSIONS, OR ANY EXISTING STRUCTURES OR VEGETATION TO REMAIN TO BE FIELD VERIFIED BEFORE ANY CONSTRUCTION.

SURVEY PROVIDED BY CLIENT, BY ERICK B BENNETT, PROFESSIONAL SURVEYOR AND MAPPER, FL REG # 7301. DATE OF FIELD SURVEY AS REFLECTED ON THE SIGNED AND SEALED DOCUMENTS: 05/01/2025; SURVEY WAS PREPARED AND CERTIFIED TO ALOHA INC. A CONDOMINIUM ASSOCIATION, 05/01/2025.

MELANIE D SMITH HAS REVIEWED THE DATA AS RECEIVED

REV, DATE AND DESCRIPTION	REVISION
1 04/23/2026	REVISED PER COV COMMENTS DATED 04/23/26

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MELANIE DELEHANTY SMITH, PE ON THE DATE ADJACENT TO THE SEAL.

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Digitally signed by Melanie Smith
Date: 2026.04.29 11:46:27-04'00'

MELANIE DELEHANTY SMITH, PE FL #75447
PROFESSIONAL ENGINEER

DATE: 10/2025
DRAWN BY: BL
CHECKED BY: MDS
JOB NO: 2025-025

ALOHA INC, A CONDOMINIUM ASSOCIATION

1329 TARPON CENTER DRIVE
VENICE, FLORIDA

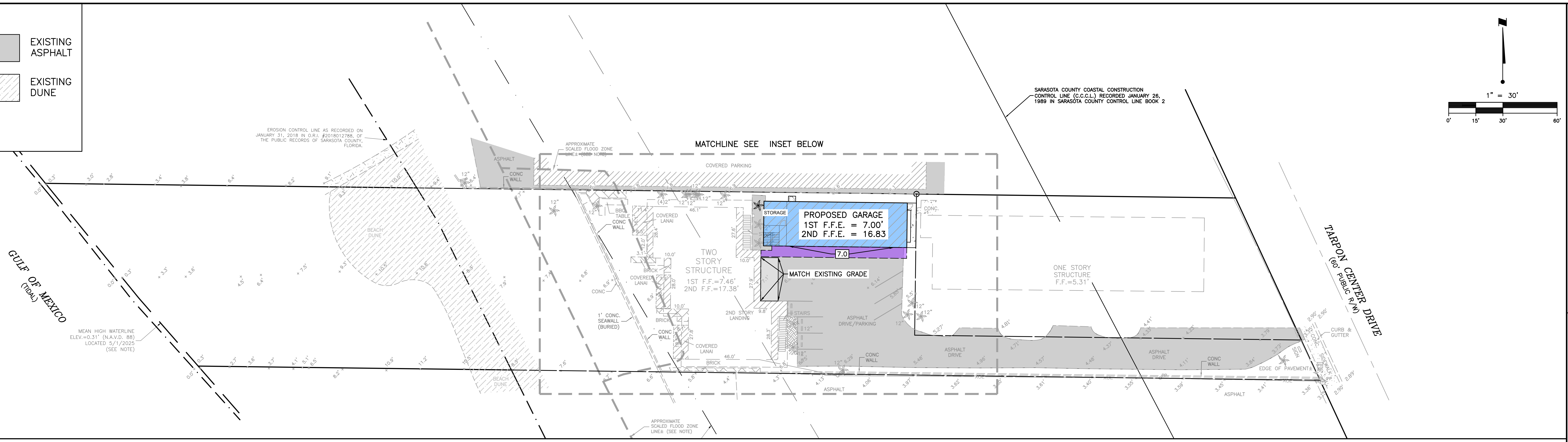
PROPOSED SITE PLAN
SCALE: AS NOTED

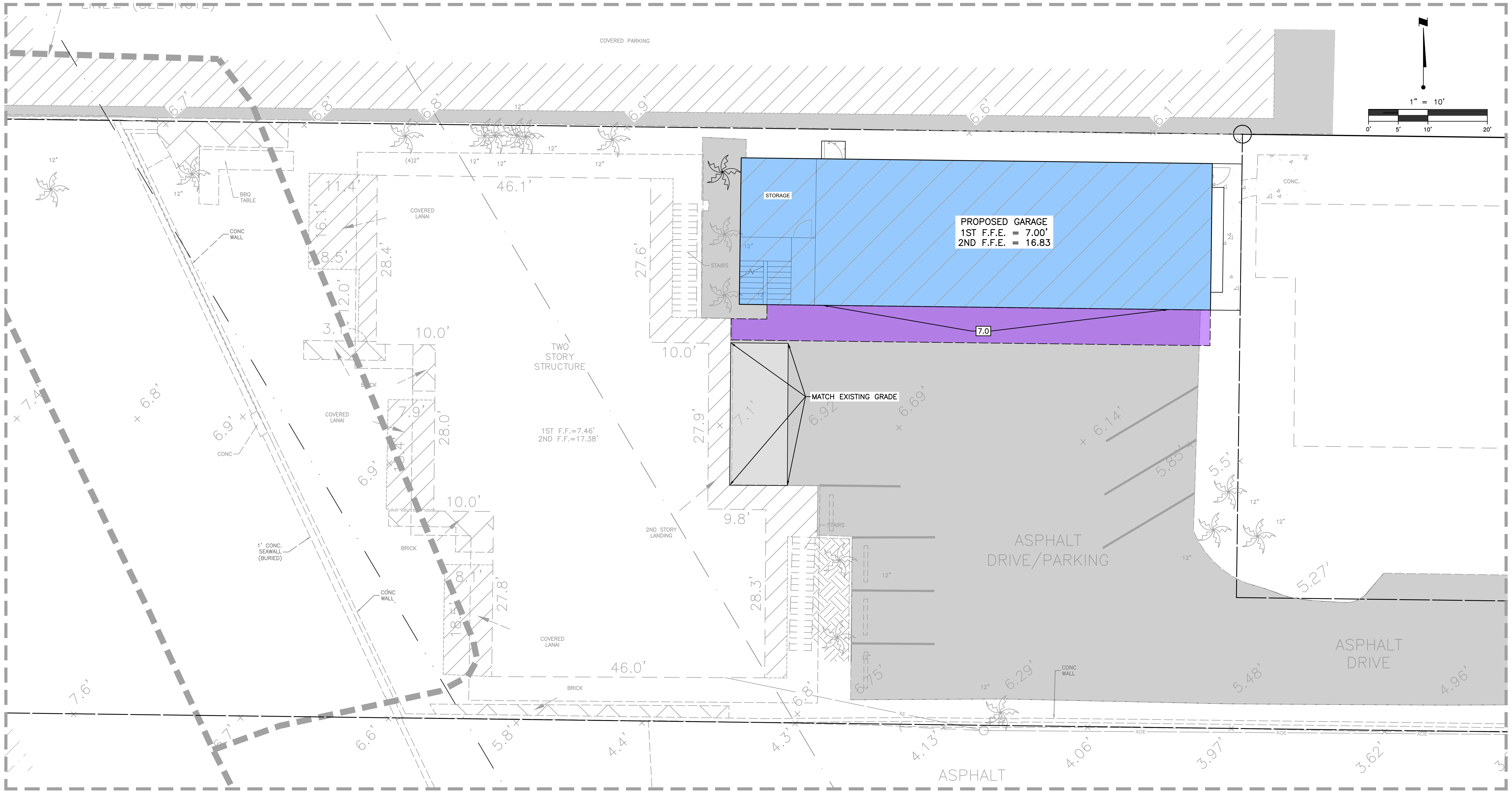
Mel-Haven
PASSIONATE ENGINEERING
ADDRESS:
5342 CLARK RD #1182
SARASOTA, FL 34233
PHONE: (941) 468-3742
WWW. MELHAVENENGINEERING.COM

C-300

LEGEND:

🟦 PROPOSED BUILDING	▩ EXISTING ASPHALT
🟪 PROPOSED BUILDING OVERHANG	▨ EXISTING DUNE
▢ PROPOSED ASPHALT	


1" = 30'
0'
15'
30'
60'
MATCHLINE SEE INSET BELOW
SARASOTA COUNTY COASTAL CONSTRUCTION CONTROL LINE (C.C.C.L.) RECORDED JANUARY 26, 1989 IN SARASOTA COUNTY CONTROL LINE BOOK 2
EROSION CONTROL LINE AS RECORDED ON JANUARY 31, 2018 IN O.R.I. #2018012788, OF THE PUBLIC RECORDS OF SARASOTA COUNTY, FLORIDA.
APPROXIMATE SCALED FLOOD ZONE LINE± (SEE NOTE)
GULF OF MEXICO
(TIDAL)
MEAN HIGH WATERLINE ELEV.=0.31' (N.A.V.D. 88) LOCATED 5/1/2025 (SEE NOTE)
ASPHALT
CONC WALL
COVERED PARKING
BEACH DUNE
BBQ TABLE
COVERED LANAI
TWO STORY STRUCTURE
1ST F.F.=7.46'
2ND F.F.=17.38'
1" CONC. SEAWALL (BURIED)
BRICK
2ND STORY LANDING
STAIRS
STORAGE
PROPOSED GARAGE
1ST F.F.E. = 7.00'
2ND F.F.E. = 16.83
7.0
MATCH EXISTING GRADE
ASPHALT DRIVE/PARKING
ASPHALT DRIVE
ONE STORY STRUCTURE
F.F.=5.31'
TARPON CENTER DRIVE
(60' PUBLIC R/W)
CURB & GUTTER
EDGE OF PAVEMENT
ASPHALT



INSET

1" = 10'

THESE DRAWINGS ARE THE PROPERTY OF MEL-HAVEN ENGINEERING, LLC AND IS NOT TO BE USED OR REPRODUCED OR COPIED IN WHOLE OR IN PART. USE OR COPY IS PERMITTED BY CONTRACT ONLY, AND PLANS ARE TO BE RETURNED UPON REQUEST. ALL MEASUREMENTS, DIMENSIONS, OR ANY EXISTING STRUCTURES OR VEGETATION TO REMAIN TO BE FIELD VERIFIED BEFORE ANY CONSTRUCTION.

SURVEY PROVIDED BY CLIENT, BY ERICK B BENNETT, PROFESSIONAL SURVEYOR AND MAPPER, FL REG # 7301. DATE OF FIELD SURVEY AS REFLECTED ON THE SIGNED AND SEALED DOCUMENTS: 05/01/2025; SURVEY WAS PREPARED AND CERTIFIED TO ALOHA INC. A CONDOMINIUM ASSOCIATION, 05/01/2025.

MELANIE D SMITH HAS REVIEWED THE DATA AS RECEIVED

REV, DATE AND DESCRIPTION	REVISION

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MELANIE DELEHANTY SMITH, PE ON THE DATE ADJACENT TO THE SEAL.

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

No. 75447

Digitally signed by Melanie Smith
Date: 2026.04.29 11:46:15-04'00'

MELANIE DELEHANTY SMITH, PE FL #75447
PROFESSIONAL ENGINEER

DATE: 10/2025
DRAWN BY: BL
CHECKED BY: MDS
JOB NO: 2025-025

ALOHA INC, A CONDOMINIUM ASSOCIATION

1329 TARPON CENTER DRIVE
VENICE, FLORIDA

PROPOSED PAVING, GRADING, DRAINAGE & UTILITY PLAN
SCALE: AS NOTED

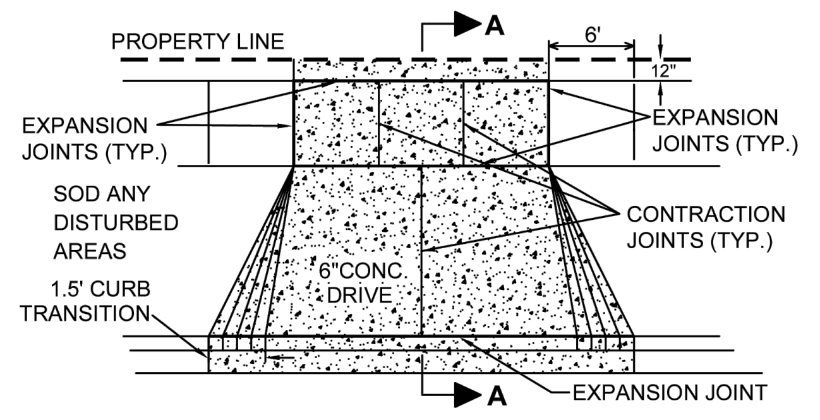
Mel-Haven
PASSIONATE ENGINEERING
ADDRESS:
5342 CLARK RD #1182
SARASOTA, FL 34233
PHONE: (941) 468-3742
WWW. MELHAVENENGINEERING.COM

C-400

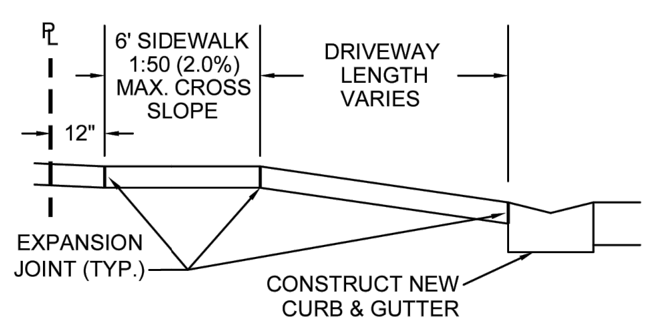
12

GENERAL CONSTRUCTION NOTES:

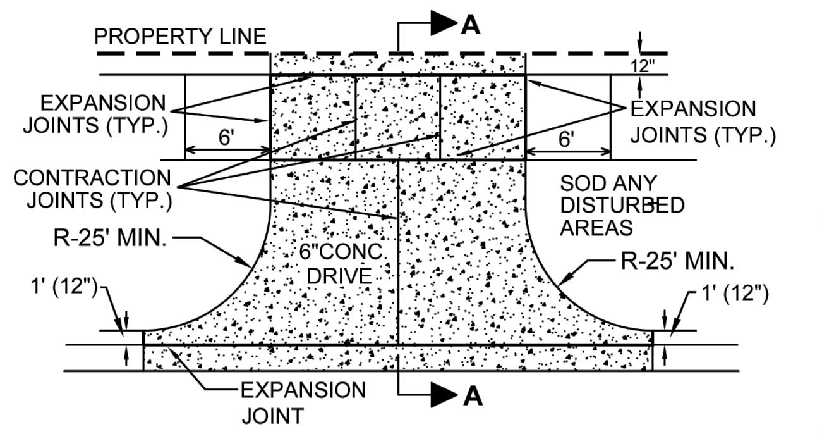
1. Elevations shown hereon are in feet and decimals referenced to NAVD 88 and are based on National Geodetic Survey Benchmark # T 726, published elevation is 7.18'.
2. Locations, elevations, and dimensions of existing utilities, structures and other features are shown according to the best information available at the time of preparation of these plans. The contractor shall verify the locations, elevations an dimensions of all existing utilities, structures and other features affecting this work prior to construction and notify EOR of any discrepancies.
3. The Contractor shall exercise extreme caution in areas of buried utilities and shall provided at least 48 hours' notice to the various utility companies, in order to permit marking the locations of existing underground utilities, in advance of construction by calling “Sunshine” at 1-800-432-4770. The contractor is responsible for contacting all utilities not included in the “sunshine” program.
4. The contractor shall be responsible for repairing any damage to existing facilities above or below ground that may occur as a result of the work performed by the contractor.
5. All underground utilities must be in place and tested or inspected prior to pavement and structure construction.
6. It is the contractor's responsibility to become familiar with the permit and inspection requirements of the various governmental agencies the contractor shall obtain all necessary permits prior to construction and schedule inspection according to agency requirements and codes.
7. All specifications and documents reference by the plans and permits shall be of latest revisions and/or latest edition.
8. All work by contractor(s) shall comply with the regulations and ordinances of the various governmental agencies having jurisdiction over the work.
9. The contractor shall submit for approval to the owner's engineer, shop drawings on all proposed precast and manufactured structures. Failure to obtain approval before installation may result in removal and replacement at the contractor's expense. All shop drawings are to be reviewed and approved by contractor signature prior to submittal to the owner's engineer.
10. The contractor shall notify the EOR and appropriate agencies and provide them with all required shop drawings, the contractor's name, starting date, projected schedule, and other information as required, at least two (2) working days prior to construction. Any work performed prior to notifying the engineer or without agency inspector present may be deemed non-compliant and will be subject to removal and replacement at the contractor's expense.
11. Backfill material shall be compacted around pipes in 6” lifts up to a level of at least one foot above the topo and below bottom of the pipe. In areas to be paved, backfill shall be compacted to 100% maximum density as determined by AASHTO T-99.
12. Site work concrete shall have a minimum compressive strength of 4,000 PSI om 28 days, unless otherwise noted
13. Concrete reinforcing shall conform with ASTM A615 grade or better, unless otherwise indicated on structure plans.
14. All private and public property affected by the work shall be restored to a condition equal to or better than existing conditions. Additional costs shall be coordinated between contractor and vendor.
15. The contractor shall utilize the design surveyor to locate and flag all property corners prior to construction and final engineering inspection and certification. It shall be the contractor's responsibility to have property corners, which have been lost during construction, re-established by a professional land surveyor.
16. The soils engineer is to supply the engineer with a photocopy of all compaction tests, concrete and asphalt tests. The soils engineer is to certify to the engineer of record in writing, that all testing requirements required by the owner, local regulatory authority and the Florida Department of Transportation (FDOT) for the improvements as required by the engineering construction drawings and permits have been satisfied.
17. The contractor is responsible for coordinating applicable testing with the soils engineer. Upon completion of the work, the soils engineer is to submit certifications to the owners engineer per note 17 above.
18. The contractor is to review the design soil reports and boring prior to bidding the project and prior to commencing construction.
19. The Contractor shall maintain a copy of the approved plans and permits at the construction site at all times.
20. These drawings do not include necessary components for instruction of the contractor regarding construction safety. The contractor is solely responsible for means and methods for construction safety
21. Construction and materials shall be in accordance with local standards and specifications. Plans are in accordance with local 'minimum drawing and submittal requirements for potable water, wastewater, and reclaimed water projects.
22. State Plan coordinates (FEET) shall be provided for record drawings.
23. The contractor shall be responsible for protecting excavations against collapse and will provide bracing, sheeting, or shoring as necessary. Trenches shall be kept dry while pipes and appurtenances are being placed. Dewatering shall used where required.
24. Prior to constructing concrete pavement, the contractor is to submit a proposed joiting pattern to the owners engineer for approval.
25. The contractor is to provide a ½” bituminous expansion joint material with sealer, at abutment of concrete and any structure.
26. PVC Storm pipe, 12” and smaller shall conform to AWWA C-900, Class 150 Standards, unless otherwise noted.
27. All drainage structure grates and covers within Traffic Areas shall be traffic rated for and capable of withstanding H-20 loadings.
28. Materials and construction methods for streets and storm drainage construction shall be in accordance with the local regulatory agency and the FDOT standard specification for roads and bridge construction (current edition).
29. The Contractor shall provide sufficient survey related data and employ the construction surveyor to prepare Record drawings meeting the applicable jurisdictions.
30. Roof Drainpipes shall be PVC (SCH 40) or approved equal, as indicated on the plan.
31. All the signing and pavement markings shall be provided in accordance with the latest editions of the MUTCD, FDOT Design Standards, and the City of Venice Public Works Dept and Engineering Dept. Traffic Control Devices that do not conform to the latest editions of the manatee county public works department within publicly maintained ROW will require a sign and hardware diagram and, if acceptable, an executed maintenance agreement prior to approval of the construction plan.
32. The stormwater system shall be subject to a visual inspection by the owner's engineer prior to the placement of backfill, of which the contractor shall notify the engineer 48 hours prior to any inspections.
33. The contractor shall maintain the storm drainage systems until final acceptance of the project.
34. The contractor is responsible for coordinating all testing required by the construction plans, and with the soils engineer.
35. Contractor is responsible to obtain and maintain the site as directed by an FDEP NPDES NOI permit. Contractor is responsible for monitoring the site and preparation prior to and during rain events.
36. City of Venice Utility Standards are the minimum standards for all utilities. Where any note on these plans to conflict with the manatee county public works utility standards the most stringent interpretation, as determined by the county infrastructure inspector, shall be applied.
37. All potable water facilities from the tie-in up to the backflow preventor and all wastewater facilities within the public ROW or public utility easements shall be county owned and maintained. All potable water facilities downstream of the meter and all wastewater facilities outside of the public utility easement shall be privately owned and maintained.
38. A minimum of 10-feet of horizontal separation is required between watermains and force mains, and between watermains and gravity sewer and between watermains and storm sewer. See F.A.C. Rule 62-555.314 for additional details.



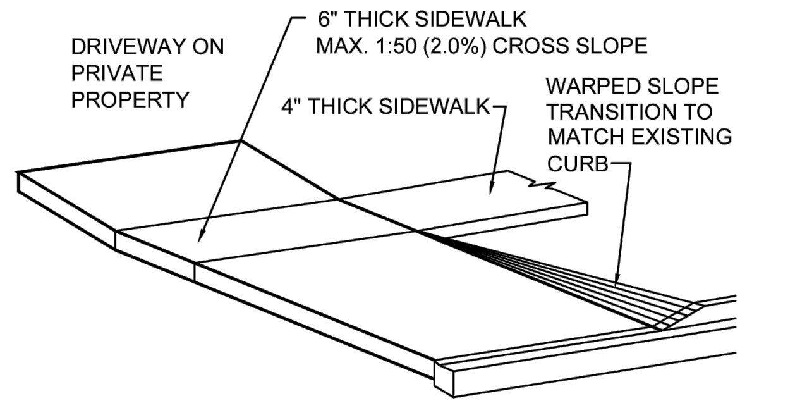
RESIDENTIAL DRIVEWAY


P/L
6' SIDEWALK 1:50 (2.0%) MAX. CROSS SLOPE
DRIVEWAY LENGTH VARIES
12"
EXPANSION JOINT (TYP.)
CONSTRUCT NEW CURB & GUTTER

SECTION A-A



COMMERCIAL/ INDUSTRIAL/ MULTI-FAMILY


DRIVEWAY ON PRIVATE PROPERTY
6" THICK SIDEWALK MAX. 1:50 (2.0%) CROSS SLOPE
4" THICK SIDEWALK
WARPED SLOPE TRANSITION TO MATCH EXISTING CURB

6" CONCRETE RESIDENTIAL DRIVEWAY

1.) SIDEWALKS AND DRIVEWAYS SHALL BE CONSTRUCTED OF 3000 PSI AT 28 DAYS CONCRETE (MAXIMUM 4" SLUMP) WITH FIBER REINFORCEMENT.

2.) ALL SIDEWALKS SHALL BE 6' WIDE AND CONSTRUCTED WITH A MAX. CROSS SLOPE OF 1:50 (2.0%) AND MAX. RUNNING SLOPE OF 1:20 (5.0%).

3.) CONTRACTION SAW-CUTS SHALL BE CONSTRUCTED EVERY 6' LENGTH OF SIDEWALK. EXPANSION JOINTS SHALL BE CONSTRUCTED AT 60' INTERVALS.

4.) 1/2-INCH THICK ASPHALTIC FELT OR "PRESSURE TREATED WOOD" SHALL BE PLACED AT EACH EXPANSION JOINT.

5.) EXISTING CURB AND GUTTER SHALL BE REMOVED ONLY AT EXISTING JOINTS.

6.) DRIVEWAY WIDTH AND LOCATION SHALL COMPLY WITH ZONING CODES.

7.) DRIVEWAY SLOPES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FDOT, "ROADWAY AND TRAFFIC DESIGN STANDARDS", INDEX 515.

8.) RESIDENTIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.

DRIVEWAY & SIDEWALK DETAIL

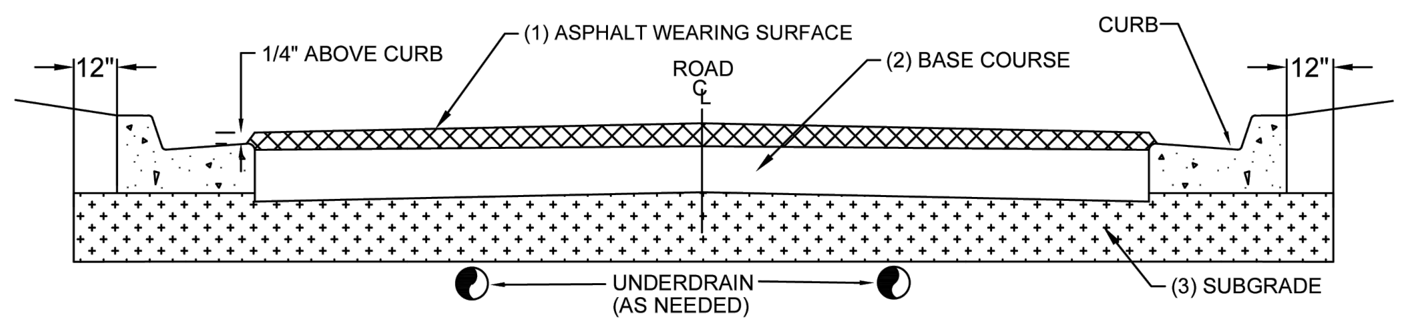
N.T.S.

CITY OF VENICE
ENGINEERING DEPARTMENT
401 W VENICE AVE
VENICE, FL 34285
(941) 486-2626

ENGINEERING
TYPICAL DRIVEWAY & SIDEWALK

DATE
JAN 2026

SHEET NO.
ENG-4



ROADWAY SECTION DESIGN (MINIMUM THICKNESS)

STREET CLASSIFICATION	(1) ASPHALT SURFACE:	(2) BASE: B-12.5	CTB	CCA	(3) SUB-GRADE: TYPE B STAB.
PRIVATE ACCESSWAY & LIGHT DUTY PARKING	2" TYPE SP-9.5 (INSTALLED AS TWO 1" LIFTS)	4"	8"	8"	8" MIN 40 LBR
RESIDENTIAL STREET	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.) 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.

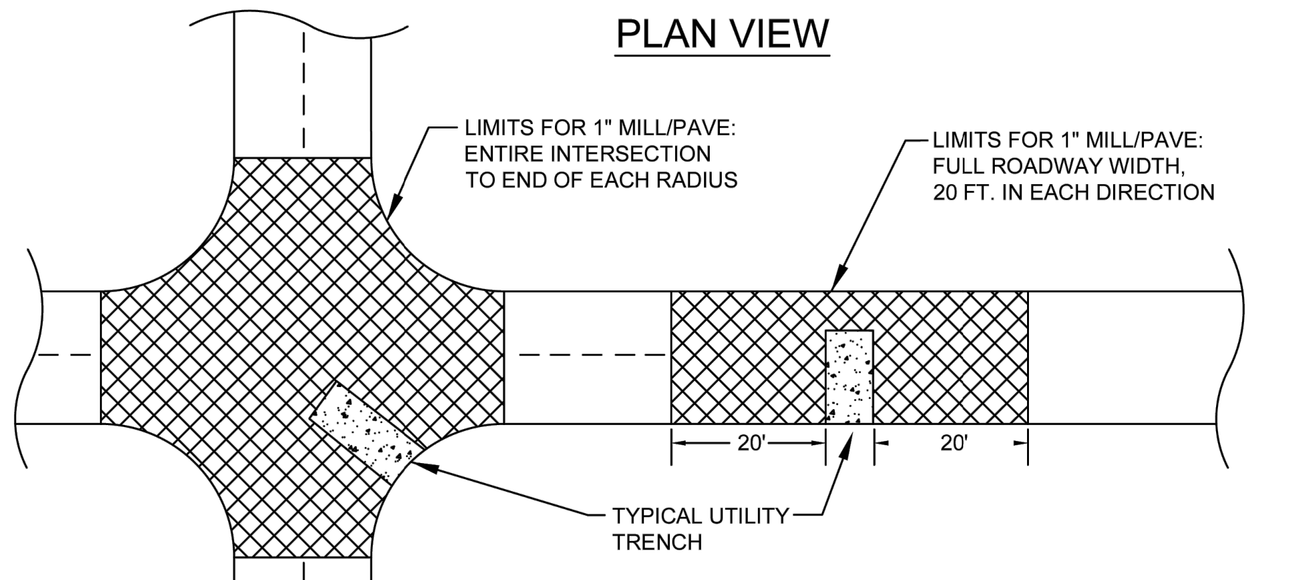
CITY OF VENICE
ENGINEERING DEPARTMENT
401 W VENICE AVE
VENICE, FL 34285
(941) 486-2626

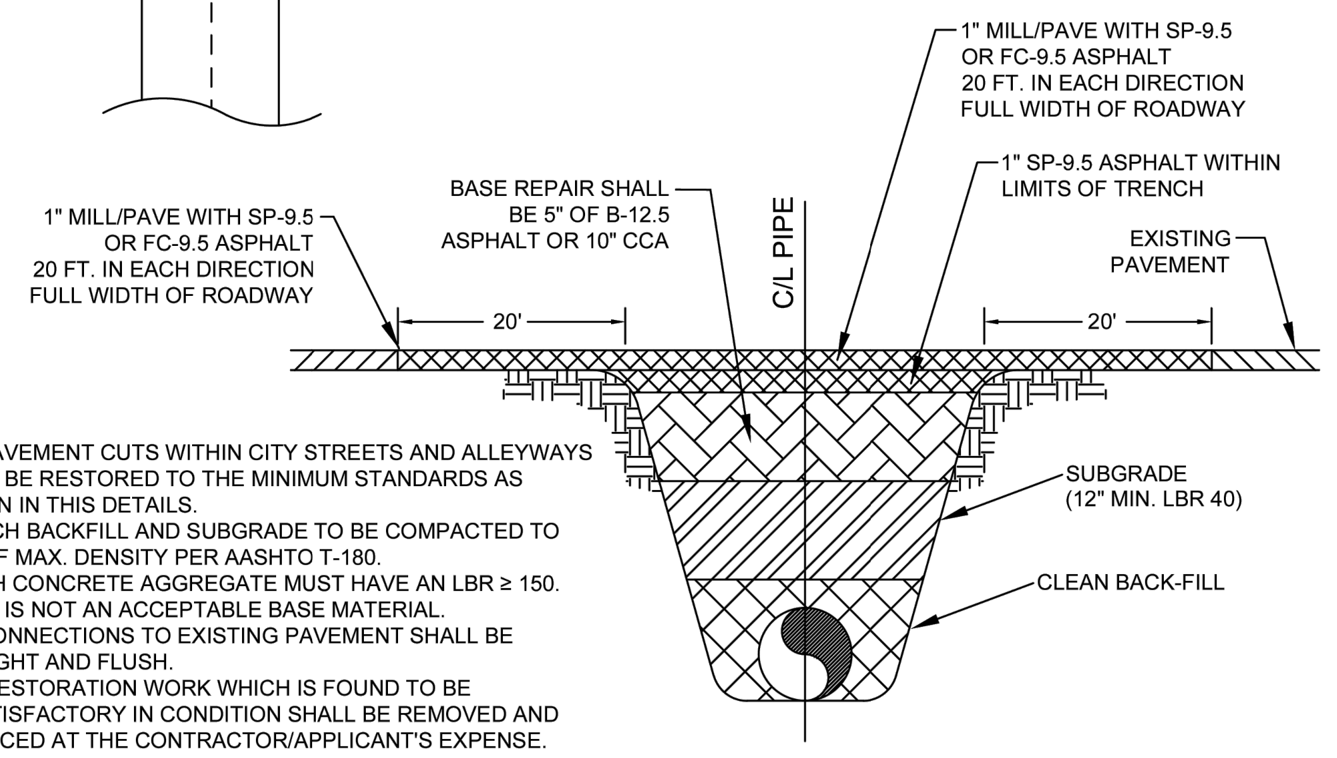
ENGINEERING
TYPICAL ROADWAY SECTION

DATE
JAN 2026

SHEET NO.
ENG-3

PLAN VIEW


LIMITS FOR 1" MILL/PAVE: ENTIRE INTERSECTION TO END OF EACH RADIUS
LIMITS FOR 1" MILL/PAVE: FULL ROADWAY WIDTH, 20 FT. IN EACH DIRECTION
20'
20'
TYPICAL UTILITY TRENCH


1" MILL/PAVE WITH SP-9.5 OR FC-9.5 ASPHALT 20 FT. IN EACH DIRECTION FULL WIDTH OF ROADWAY
1" SP-9.5 ASPHALT WITHIN LIMITS OF TRENCH
BASE REPAIR SHALL BE 5" OF B-12.5 ASPHALT OR 10" CCA
C/L PIPE
EXISTING PAVEMENT
1" MILL/PAVE WITH SP-9.5 OR FC-9.5 ASPHALT 20 FT. IN EACH DIRECTION FULL WIDTH OF ROADWAY
20'
20'
SUBGRADE (12" MIN. LBR 40)
CLEAN BACK-FILL

TRENCH VIEW

1.) ALL PAVEMENT CUTS WITHIN CITY STREETS AND ALLEYWAYS SHALL BE RESTORED TO THE MINIMUM STANDARDS AS SHOWN IN THIS DETAILS.

2.) TRENCH BACKFILL AND SUBGRADE TO BE COMPACTED TO 98% OF MAX. DENSITY PER AASHTO T-180. CRUSH CONCRETE AGGREGATE MUST HAVE AN LBR ≥ 150. SHELL IS NOT AN ACCEPTABLE BASE MATERIAL.

3.) ALL CONNECTIONS TO EXISTING PAVEMENT SHALL BE STRAIGHT AND FLUSH.

4.) ANY RESTORATION WORK WHICH IS FOUND TO BE UNSATISFACTORY IN CONDITION SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR/APPLICANT'S EXPENSE.

5.) RESTORATION WORK IN THE PUBLIC ROW MUST BE COMPLETED WITHIN 7 DAYS UNLESS WRITTEN APPROVAL IS RECEIVED BY THE CITY ENGINEER OR DESIGNEE TO EXTEND THE RESTORATION TIMEFRAME. RESTORATION WORK NOT COMPLETED AS REQUIRED MAY BE REFERRED TO CODE ENFORCEMENT FOR ACTION INCLUDING DAILY FINES.

PAVEMENT RESTORATION DETAIL

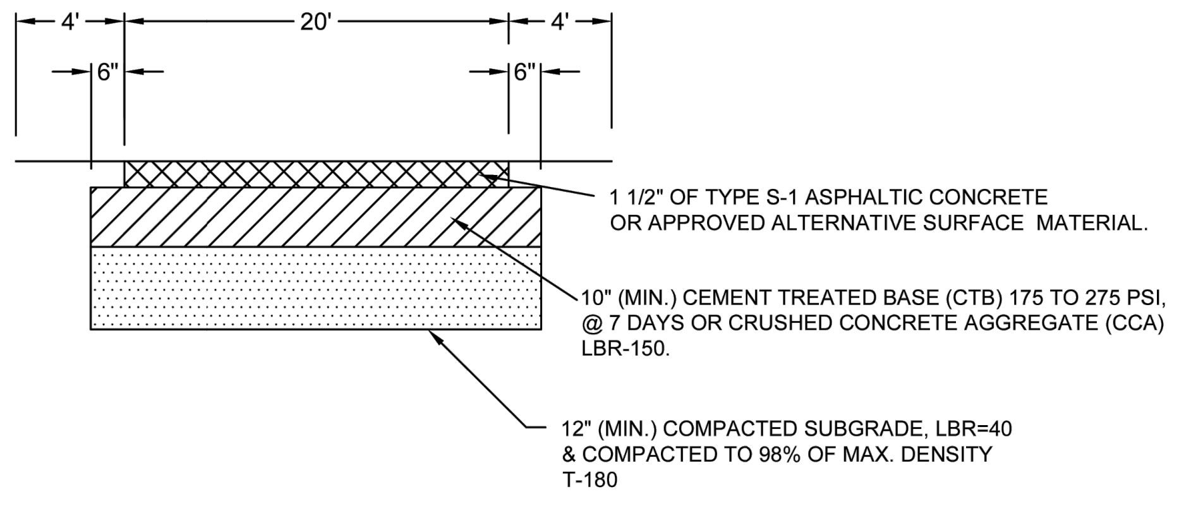
N.T.S.

CITY OF VENICE
ENGINEERING DEPARTMENT
401 W VENICE AVE
VENICE, FL 34285
(941) 486-2626

ENGINEERING
PAVEMENT RESTORATION

DATE
JAN 2026

SHEET NO.
ENG-2


4'
20'
4'
6"
6"
1 1/2" OF TYPE S-1 ASPHALTIC CONCRETE OR APPROVED ALTERNATIVE SURFACE MATERIAL.
10" (MIN.) CEMENT TREATED BASE (CTB) 175 TO 275 PSI, @ 7 DAYS OR CRUSHED CONCRETE AGGREGATE (CCA) LBR-150.
12" (MIN.) COMPACTED SUBGRADE, LBR=40 & COMPACTED TO 98% OF MAX. DENSITY T-180

1.) ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 20' AND AN UNOBSTRUCTED VERTICAL CLEARANCE OF NOT LESS THAN 13'6"

2.) ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS AND SHALL BE PROVIDED WITH A SURFACE SUITABLE FOR ALL WEATHER DRIVING CAPABILITIES.

3.) REQUIREMENTS MAY BE SUBJECT TO CHANGE AS PER UNIFORM FIRE CODE, FLORIDA LATEST EDITION.

4.) FIRE LANE SIGNS THAT COMPLY WITH THE REQUIREMENTS OF THE FLORIDA FIRE PREVENTION CODE MUST BE INSTALLED.

- EMERGENCY ACCESS SHALL BE MARKED WITH FREESTANDING SIGNS WITH THE WORDING:

NO PARKING
FIRE LANE
TOW AWAY ZONE
F.S.316-1945

- SUCH SIGNS SHALL BE 12 INCHES BY 18 INCHES WITH A WHITE BACKGROUND AND RED LETTERS AND SHALL BE A MAXIMUM OF 7 FEET IN HEIGHT FROM THE ROADWAY TO THE BOTTOM PART OF THE SIGN.

- THE SIGNS SHALL BE WITHIN SIGHT OF THE TRAFFIC FLOW AND BE A MAXIMUM OF 60 FEET APART.

5.) IT IS IMPERATIVE THAT THIS EMERGENCY ACCESS REMAINS OPEN AT ALL TIMES. IT IS THEREFORE INCUMBENT UPON YOUR STAFF TO NOTIFY THE VENICE POLICE DEPARTMENT ANYTIME A VEHICLE IS BLOCKING THIS REQUIRED EMERGENCY ACCESS.

EMERGENCY VEHICLE ACCESS DETAIL

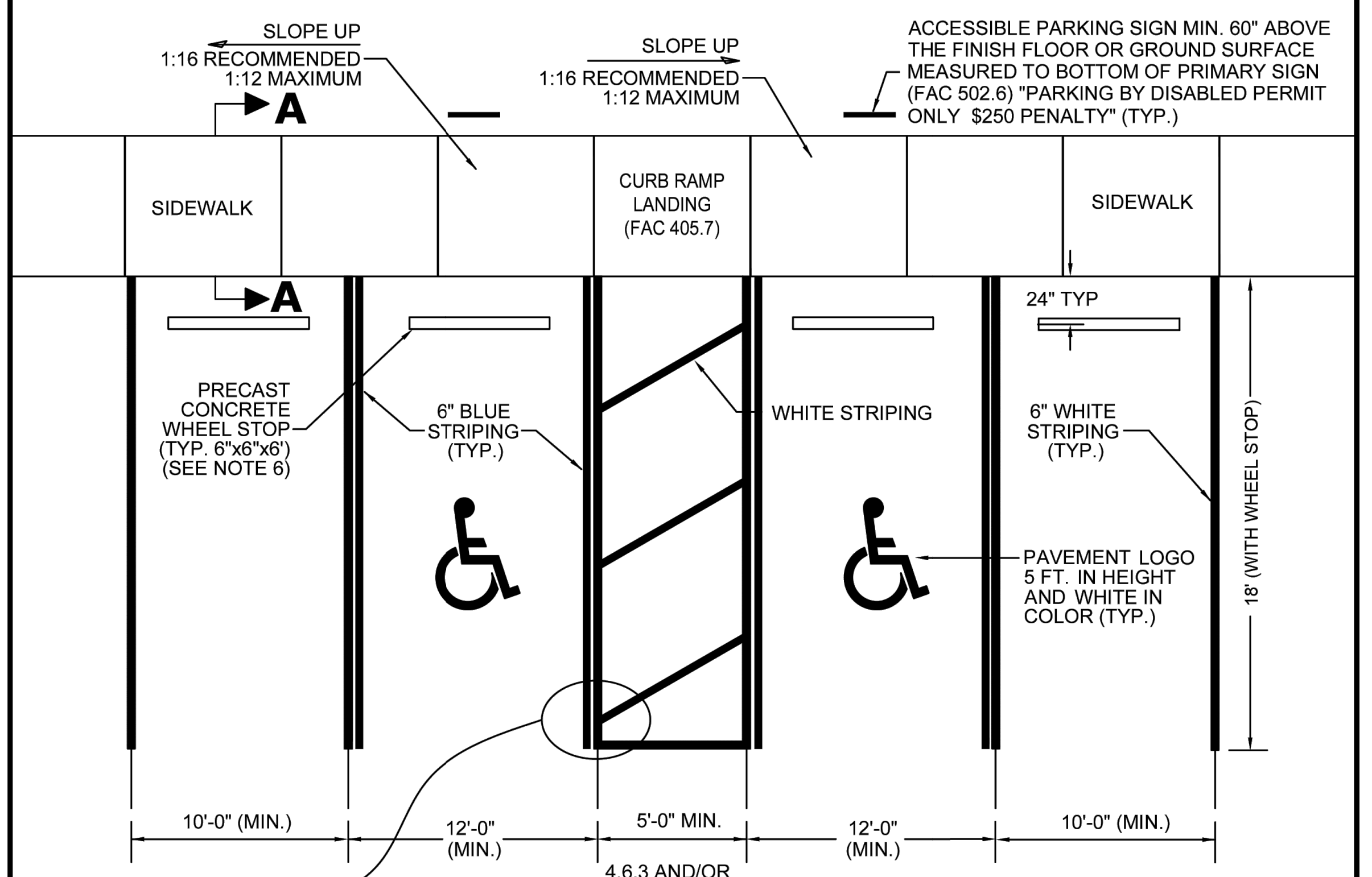
N.T.S.

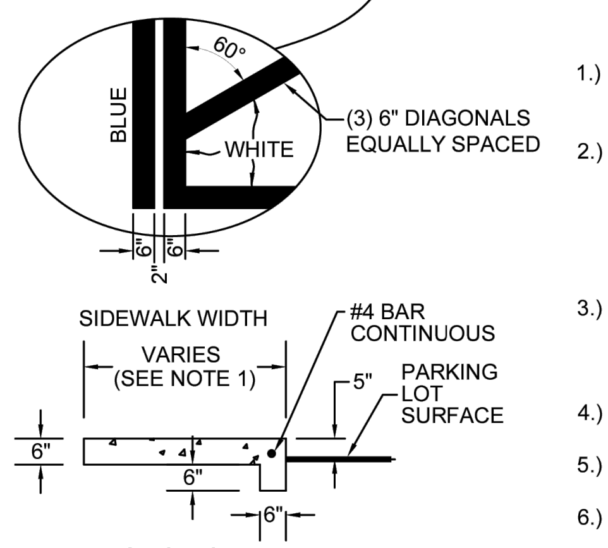
CITY OF VENICE
ENGINEERING DEPARTMENT
401 W VENICE AVE
VENICE, FL 34285
(941) 486-2626

ENGINEERING
EMERGENCY VEHICLE ACCESS

DATE
JAN 2026

SHEET NO.
ENG-6


SLOPE UP
1:16 RECOMMENDED
1:12 MAXIMUM
A
SLOPE UP
1:16 RECOMMENDED
1:12 MAXIMUM
ACCESSIBLE PARKING SIGN MIN. 60" ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED TO BOTTOM OF PRIMARY SIGN (FAC 502.6) "PARKING BY DISABLED PERMIT ONLY $250 PENALTY" (TYP.)
SIDEWALK
CURB RAMP LANDING (FAC 405.7)
SIDEWALK
A
24" TYP
PRECAST CONCRETE WHEEL STOP (TYP. 6"x6"x6') (SEE NOTE 6)
6" BLUE STRIPING (TYP.)
WHITE STRIPING
6" WHITE STRIPING (TYP.)
PAVEMENT LOGO 5 FT. IN HEIGHT AND WHITE IN COLOR (TYP.)
18' (WITH WHEEL STOP)
10'-0" (MIN.)
12'-0" (MIN.)
5'-0" MIN.
4.6.3 AND/OR [316.1955(4xa)]
12'-0" (MIN.)
10'-0" (MIN.)



SECTION A-A

1.) IF AN ADJACENT SIDEWALK IS A MINIMUM OF SEVEN (7) FEET IN WIDTH AND PROVIDES A 5" INCH CURB, THE SIDEWALK MAY SERVE AS THE WHEEL STOP AND THE STANDARD PARKING SPACE MAY BE 16' DEEP.

2.) IF AN ADJACENT LANDSCAPE AREA IS A MINIMUM OF 3.5' PER ABUTTING PARKING SPACE AND PROTECTED BY CONCRETE CURBING OR WHEEL STOP, 2 FEET OF THE REQUIRED DEPTH MAY ENCROACH INTO THE LANDSCAPE AREA. IF THE REQUIRED DEPTH ENCROACHES INTO THE LANDSCAPE AREA, THE WHEEL STOP MUST BE PLACED AT THE EDGE OF PAVEMENT.

3.) ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL BE CONSTRUCTED WITH SURFACE SLOPES NOT TO EXCEED 1:50 (2%) IN ALL DIRECTIONS AND THE GROUND SURFACE SHALL BE STABLE, FIRM AND SLIP RESISTANT.

4.) NO COLORS OTHER THAN WHITE AND BLUE SHALL BE USED FOR PARKING SPACE PAVEMENT MARKINGS.

5.) ALL DIMENSIONS SHOWN ARE TO THE CENTERLINE OF PAVEMENT MARKINGS.

6.) ALTERNATE DESIGN FOR PARKING STOPS SHALL REQUIRE APPROVAL BY THE CITY ENGINEER.

7.) "FAC" IS AN ABBREVIATION FOR THE CURRENT VERSION OF THE FLORIDA ACCESSIBILITY CODE.

ACCESSIBLE & TYPICAL PARKING SPACE DETAIL

N.T.S.

CITY OF VENICE
ENGINEERING DEPARTMENT
401 W VENICE AVE
VENICE, FL 34285
(941) 486-2626

ENGINEERING
ACCESSIBLE & TYPICAL PARKING

DATE
JAN 2026

SHEET NO.
ENG-5

REV, DATE AND DESCRIPTION	REVISION

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MELANIE DELEHANTY SMITH, PE ON THE DATE ADJACENT TO THE SEAL.

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

No. 75447

Digitally signed by Melanie Smith
Date: 2026.04.29 11:46:04-04'00'

MELANIE DELEHANTY SMITH, PE FL #75447
PROFESSIONAL ENGINEER

DATE: 10/2025
DRAWN BY: BL
CHECKED BY: MDS
JOB NO: 2025-025

ALOHA INC, A CONDOMINIUM ASSOCIATION

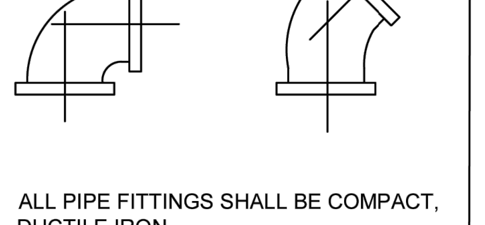
1329 TARPON CENTER DRIVE
VENICE, FLORIDA

CONSTRUCTION DETAILS
SCALE: Custom

Mel-Haven
PASSIONATE ENGINEERING
ADDRESS:
5342 CLARK RD #1182
SARASOTA, FL 34233
PHONE: (941) 468-3742
WWW. MELHAVENENGINEERING.COM

C-600

12



1.) ALL PIPE FITTINGS SHALL BE COMPACT, DUCTILE IRON.
2.) ALL APPLICATIONS (RAW, POTABLE, REUSE, SEWER) SHALL BE FUSION-BONDED EPOXY COATED INSIDE AND OUT.
3.) ALL FITTINGS SHALL MEET ANSI/AWWA C116/A21.16 STANDARDS.
4.) ALL HARDWARE SHALL BE 316 SS.
5.) ALL FITTINGS FOR SANITARY SEWER SHALL BE HEAVY WALL SDR 26 PVC.
6.) ONLY COMPRESSION FITTINGS, NO CRIMPING ON POLYETHYLENE.

PIPE FITTINGS

N.T.S.

1.) A pig (with a 2 lb/cu–ft density) one diameter larger than the inside diameter for the type of pipe installed, shall be run through the pressure main(s) until clear and free of debris. Inspectors must be notified 48 hours in advance of any pigging and flushing operations. With the City Inspector present, all new pressure mains 4 inches and larger shall be pigged and then flushed. All new pressure mains less than 4 inches shall be flushed to clean all parts of the system and to remove any accumulation of construction debris, rocks, sand, gravel, silt and other foreign material. If necessary, also make use of mechanical rodding or bucketing equipment. Short pipe lengths (i.e. stubs) may be flushed without pigs with prior approval from city. For flushing, a minimum velocity of at least 3.0 ft/sec, preferably 3.5 ft/sec, shall be obtained in the pipe unless otherwise approved by the Engineer of Record. This velocity shall be maintained long enough to allow three (3) complete pipe volume changes of water for proper flushing action. Successful flushing shall be determined visually by the City Inspector and may be deemed acceptable when the water is clear and free of debris.

2.) Water for flushing, pigging, filling and disinfecting the new lines must be obtained without contaminating existing pipelines. Water obtained from existing pipelines for this purpose shall pass through an approved backflow prevention assembly. See U–7, Temporary Jumper Connection detail.

3.) For additional testing requirements, refer to City of Venice Standard Details, General Notes and Testing Requirements, Section 4.

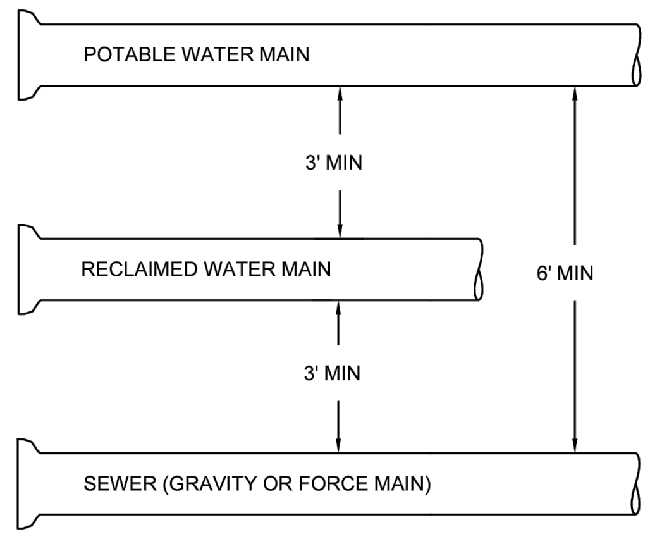
PIPE TESTING & INSPECTION

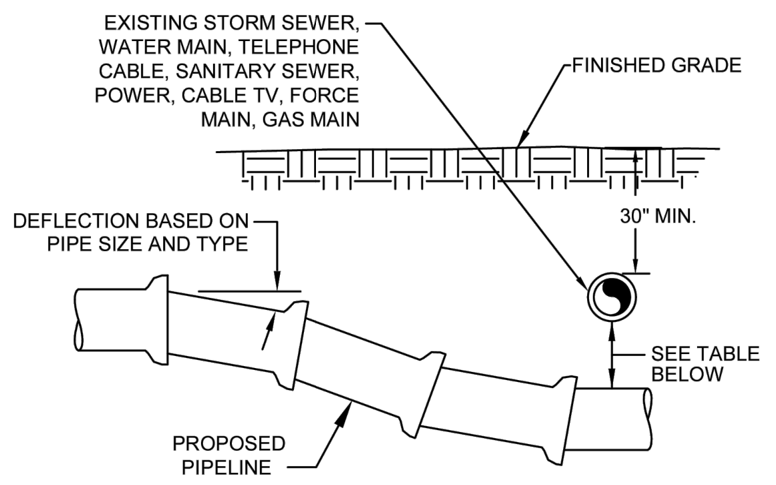
SERVICE	COLOR	MATERIAL/CLASS
POTABLE WATER MAIN	BLUE	AWWA C900 PVC / DR 18 FUSIBLE C900 PVC / DR 18 CERT-A-LOK C900 PVC / DR 18 HDPE PPI PE 4710 / DR 11 / DIPS (WITH UTILITIES DEPARTMENT APPROVAL)
RAW WATER MAIN	WHITE	
REUSE MAIN	PURPLE	
FORCE MAIN (MIN. 4" DIAMETER)	GREEN	
WATER SERVICE	BLUE	PE (POLYTUBING) / DR 9/160 PSI MIN
REUSE SERVICE	PURPLE	PE (POLYTUBING) / DR 9/160 PSI MIN
GRAVITY SEWER MAIN (MIN. 8" DIAMETER)	GREEN	ASTMD3034 / SDR 26
SEWER LATERAL (MIN. 6" DIAMETER)	GREEN	ASTMD3034 / SDR 26

PIPE MATERIAL SCHEDULE

N.T.S.

CITY OF VENICE
ENGINEERING DEPARTMENT
401 W VENICE AVE
VENICE, FL 34285
(941) 486-2626
UTILITIES - GENERAL
PIPE FITTINGS & MATERIAL
DATE
JAN 2026
SHEET NO.
U-6




EXISTING STORM SEWER, WATER MAIN, TELEPHONE CABLE, SANITARY SEWER, POWER, CABLE TV, FORCE MAIN, GAS MAIN
FINISHED GRADE
30" MIN.
DEFLECTION BASED ON PIPE SIZE AND TYPE
SEE TABLE BELOW
PROPOSED PIPELINE

MINIMUM HORIZONTAL SEPARATION DISTANCES (FT)

(OUTSIDE OF PIPELINE TO OUTSIDE OF PIPELINE)

	WATER MAIN	FORCE MAIN	SANITARY SERVICE	REUSE MAIN	STORM WATER	OTHER UTILITIES (TELEPHONE, CABLE, ETC.)
WATER MAIN	3	6	6	3	3	3
FORCE MAIN	6	3	3	3	3	3
SANITARY SEWER	6	3	3	3	3	3
REUSE MAIN	3	3	3	3	3	3
STORM WATER	3	3	3	3	3	3
OTHER UTILITIES	3	3	3	3	3	3

MINIMUM VERTICAL SEPARATION DISTANCES (IN)

(OUTSIDE OF PIPELINE TO OUTSIDE OF PIPELINE)

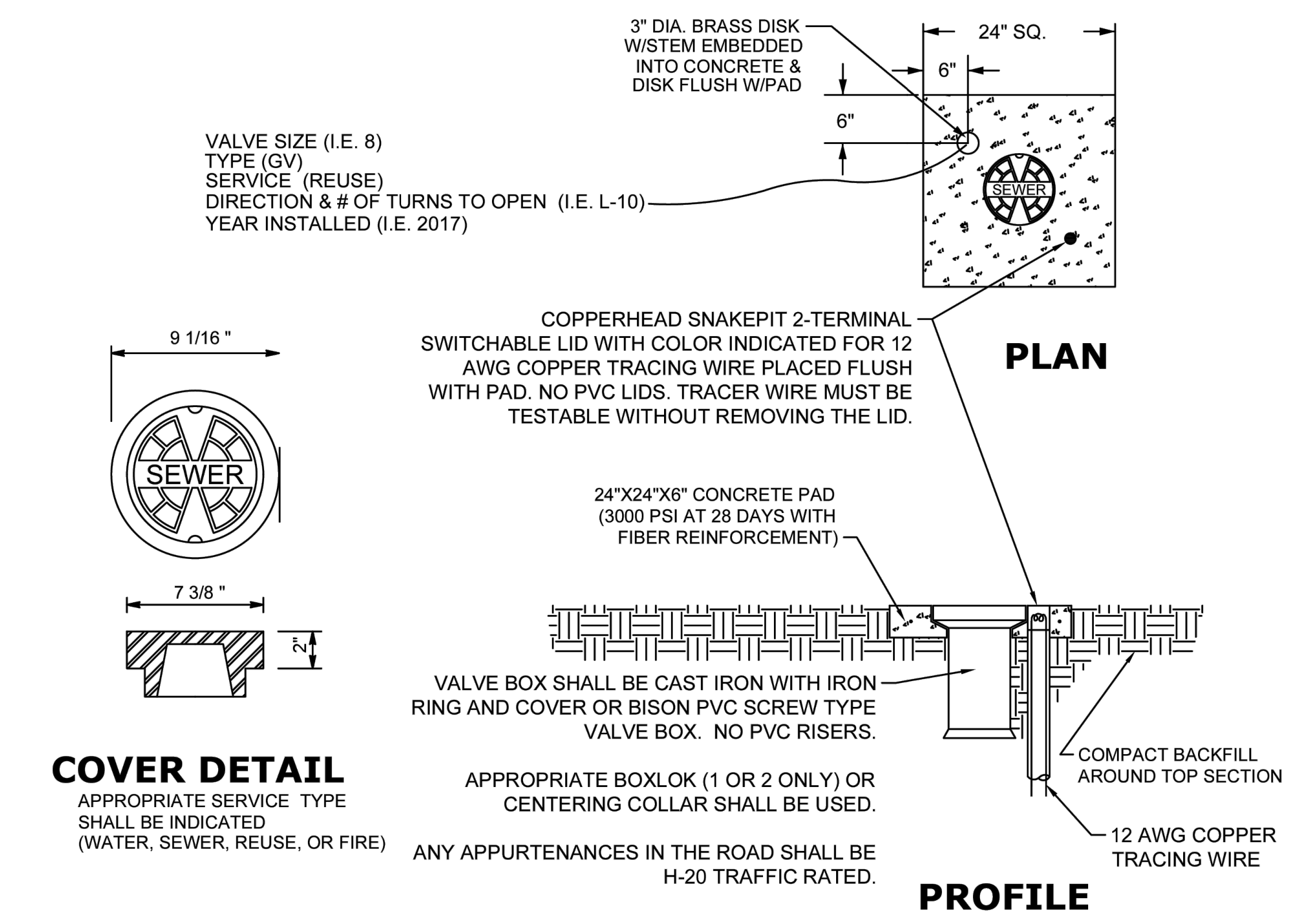
	WATER MAIN	FORCE MAIN	SANITARY SERVICE	REUSE MAIN	STORM WATER	OTHER UTILITIES (TELEPHONE, CABLE, ETC.)
WATER MAIN	6	12	12	6	6	6
FORCE MAIN	12	6	6	6	6	6
SANITARY SEWER	12	6	6	6	6	6
REUSE MAIN	6	6	6	6	6	6
STORM WATER	6	6	6	6	6	6
OTHER UTILITIES	6	6	6	6	6	6

1.) MAXIMUM JOINT DEFLECTION SHALL BE 90% OF MANUFACTURER'S RECOMMENDATION.
2.) WHEREVER POSSIBLE, THE LAYOUT OF UTILITIES SHALL PLACE SANITARY SEWER AND SEWER FORCE MAINS BELOW RECLAIMED MAINS AND BELOW WATER MAINS, RESPECTIVELY. WHERE WATER MAINS ARE ABOVE GRAVITY SEWERS OR WASTEWATER FORCE MAINS, A VERTICAL CLEARANCE OF 6 INCHES IS ACCEPTABLE. STORM SHALL BE PLACED BELOW BOTH WATER AND SEWER WHERE POSSIBLE.
3.) ACCEPTABLE VARIANCES:
  A. WHERE HORIZONTAL SEPARATION CANNOT BE MAINTAINED, C900 DR14 PVC PIPE SHALL BE USED FOR ONE OF THE PIPELINES.
  B. WHERE VERTICAL CLEARANCE CANNOT BE MAINTAINED, ONE FULL LENGTH OF DR14 C900 PIPE SHALL BE INSTALLED CENTERED AT THE POINT OF CROSSING.
  C. WHERE 36" MINIMUM DEPTH OF COVER CANNOT BE MAINTAINED, SPECIAL PROTECTION OR PIPE MATERIAL UPGRADE MAY BE REQUIRED, AT THE DISCRETION OF THE UTILITY DEPARTMENT.
4.) NO UTILITY PIPE SHALL PASS THROUGH, OR COME IN CONTACT WITH ANY PART OF A SANITARY MANHOLE OR STORMWATER STRUCTURE WITHOUT APPROVAL FROM THE UTILITIES DIRECTOR OR CITY ENGINEER.

UTILITY CONFLICT & SEPARATION DETAIL

N.T.S.

CITY OF VENICE
ENGINEERING DEPARTMENT
401 W VENICE AVE
VENICE, FL 34285
(941) 486-2626
UTILITIES - GENERAL
UTILITY CONFLICTS & SEPARATIONS
DATE
JAN 2026
SHEET NO.
U-5

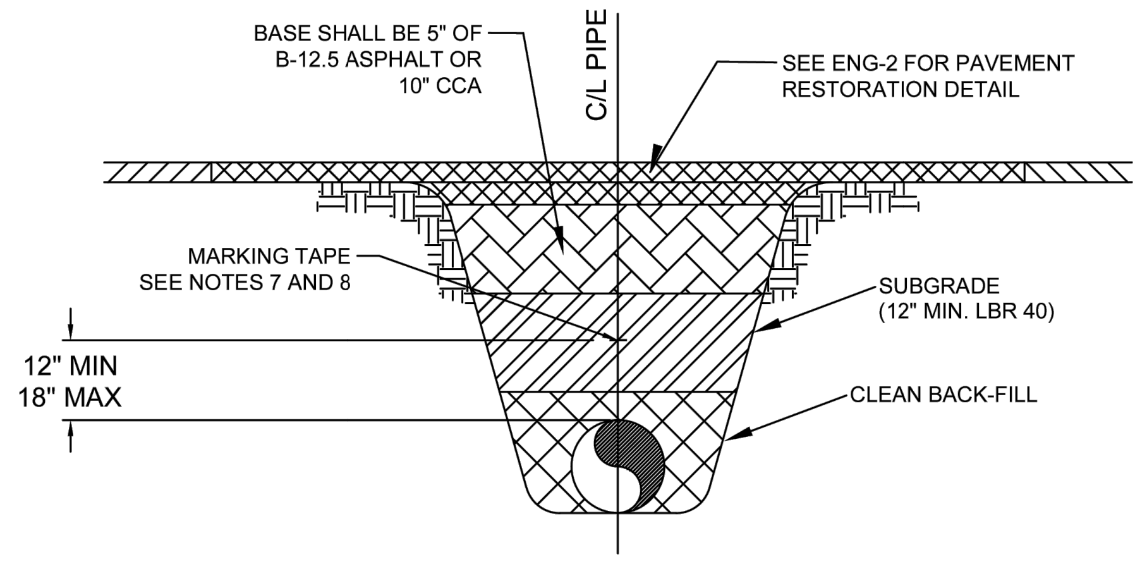

3" DIA. BRASS DISK W/STEM EMBEDDED INTO CONCRETE & DISK FLUSH W/PAD
24" SQ.
6"
6"
VALVE SIZE (I.E. 8)
TYPE (GV)
SERVICE (REUSE)
DIRECTION & # OF TURNS TO OPEN (I.E. L-10)
YEAR INSTALLED (I.E. 2017)
SEWER
COPPERHEAD SNAKEPIT 2-TERMINAL SWITCHABLE LID WITH COLOR INDICATED FOR 12 AWG COPPER TRACING WIRE PLACED FLUSH WITH PAD. NO PVC LIDS. TRACER WIRE MUST BE TESTABLE WITHOUT REMOVING THE LID.
PLAN
9 1/16 "
SEWER
7 3/8 "
2"
COVER DETAIL
APPROPRIATE SERVICE TYPE SHALL BE INDICATED (WATER, SEWER, REUSE, OR FIRE)
24"X24"X6" CONCRETE PAD (3000 PSI AT 28 DAYS WITH FIBER REINFORCEMENT)
VALVE BOX SHALL BE CAST IRON WITH IRON RING AND COVER OR BISON PVC SCREW TYPE VALVE BOX. NO PVC RISERS.
APPROPRIATE BOXLOK (1 OR 2 ONLY) OR CENTERING COLLAR SHALL BE USED.
ANY APPURTENANCES IN THE ROAD SHALL BE H-20 TRAFFIC RATED.
COMPACT BACKFILL AROUND TOP SECTION
12 AWG COPPER TRACING WIRE
PROFILE

1. PAVED AREAS: SET CONCRETE PAD AND COVER FLUSH WITH FINISHED PAVEMENT SURFACE.
2. UNPAVED AREAS: SET PAD AND COVER 1 INCH ABOVE FINISHED GRADE.
3. BOXLOK CENTERING COLLARS SHALL BE USED. BOX LOK MODEL #1 SHALL BE USED FOR 8-INCH DIAMETER OR GREATER VALVES, MODEL #2 SHALL BE USED FOR 2 TO 6 INCH DIAMETER VALVES.
4. VALVES LOCATED IN DITCH AND OVER 4' DEPTH (LINE) MUST USE TRENCH ADAPTER VALVE BOX (AMERICAN FLOW CONTROL).
5. COPPERHEAD TRACING WIRE #12 AWG OR EQUAL SHALL BE USED. IT SHALL BE COLOR CODED TO REFLECT WHAT THE PIPE CARRIES (BLUE = WATER, GREEN = SEWER, PURPLE = REUSE). CONTRACTOR SHALL PERFORM CONTINUITY TEST ON ALL TRACER WIRES, WITNESSED BY CITY REPRESENTATIVE. WHERE TRACER WIRE NEEDS TO BE JOINED, CONNECTIONS SHALL UTILIZE DRYCON WATERPROOF CONNECTION OR APPROVED EQUAL. WIRE NUTS AND/OR DUCT TAPE ARE NOT ACCEPTABLE.
6. PRE-CAST PADS MAY BE USED WITH CITY APPROVAL.
7. FOR CURBED ROADWAYS: CURB SHALL BE ETCHED WITH THE LETTER "V" DIRECTLY PERPENDICULAR TO THE VALVE BOX.
8. VALVE BOX COVERS SHALL BE PAINTED BLUE FOR POTABLE WATER, PURPLE FOR REUSE WATER, AND GREEN FOR SEWER.
9. VALVE BOXES SHALL NOT BE LOCATED IN SIDEWALKS.

VALVE BOX DETAIL

N.T.S.

CITY OF VENICE
ENGINEERING DEPARTMENT
401 W VENICE AVE
VENICE, FL 34285
(941) 486-2626
UTILITIES - GENERAL
VALVE BOX
DATE
JAN 2026
SHEET NO.
U-4


BASE SHALL BE 5" OF B-12.5 ASPHALT OR 10" CCA
C/L PIPE
SEE ENG-2 FOR PAVEMENT RESTORATION DETAIL
MARKING TAPE SEE NOTES 7 AND 8
SUBGRADE (12" MIN. LBR 40)
12" MIN
18" MAX
CLEAN BACK-FILL

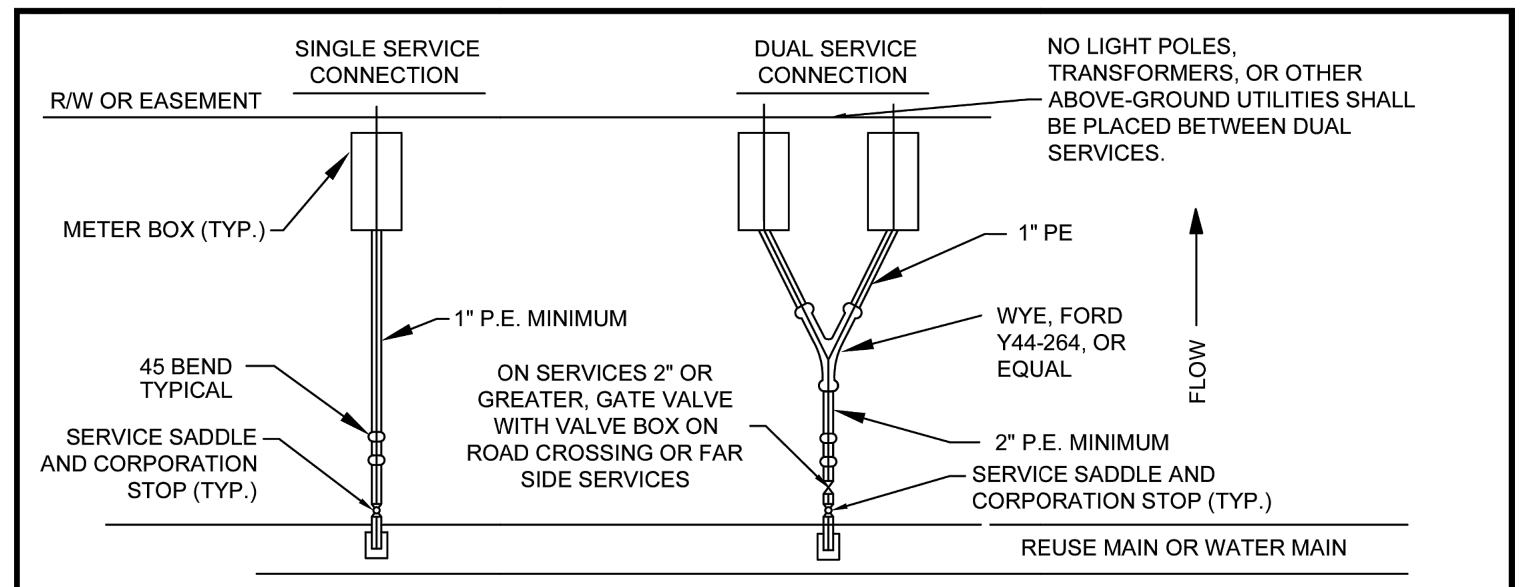
MARKING TAPE AND MESSAGES		
PIPE	TAPE COLOR	MESSAGE
PVC STORM WATER	WHITE	CAUTION STORM WATER OR STORM DRAIN BELOW
POTABLE WATER MAIN	BLUE	CAUTION POTABLE WATER MAIN BELOW
REUSE WATER MAIN	PURPLE	CAUTION REUSE WATER MAIN BELOW
SEWER FORCE MAIN	GREEN	CAUTION SEWER FORCE MAIN BELOW
SEWER & SERVICE LATERALS	GREEN	CAUTION SEWER MAIN BELOW

1.) COPPERHEAD TRACING WIRE #12 AWG OR EQUAL SHALL BE ATTACHED TO TOP OF PIPE AT 20' INTERVALS ON ALL RECLAIMED WATER, FORCE, OR POTABLE WATER MAINS. IT SHALL BE COLOR CODED TO REFLECT WHAT THE PIPE CARRIES. (BLUE = WATER, GREEN = SEWER, PURPLE = REUSE) WHERE TRACER WIRE NEEDS TO BE JOINED, CONNECTIONS SHALL UTILIZE DRYCON WATERPROOF CONNECTION OR APPROVED EQUAL. WIRE NUTS AND/OR DUCT TAPE ARE NOT ACCEPTABLE.
2.) MINIMUM COVER SHALL BE 36" FROM TOP OF PIPE TO FINISHED GRADE MAXIMUM COVER SHALL BE 42" FROM FINISHED GRADE UNLESS OTHERWISE APPROVED.
3.) MAINS SHALL BE INSTALLED FLAT AND LEVEL AND ELIMINATE HIGH POINTS UNLESS OTHERWISE APPROVED BY UTILITIES DIRECTOR.
4.) INSTALLATION OF PIPE SHALL BE IN CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS.
5.) PAVEMENT RESTORATION SHALL CONFORM WITH DETAIL ENG-2 OF THESE CITY STANDARDS. FOR NEW CONSTRUCTION, THE FIRST LIFT OF ASPHALT SHALL BE IN PLACE PRIOR TO RECORD DRAWING REVIEW.
6.) CONFLICTS - UTILIZE 45° BENDS WITH SEPARATION AS PER CITY DETAILS. ALL UTILITIES (PUBLIC & PRIVATE) THAT CROSS A DITCH/SWALE SHALL BE 36" MIN. BELOW THE ACTUAL/DESIGN BOTTOM OF CONVEYANCE.
7.) MARKING TAPE SHALL BE 3" WIDE (MIN.) DETECTABLE UNDERGROUND WARNING TAPE. CENTERED DIRECTLY OVER THE PIPE.
8.) FOR ALL SEWER FORCE MAINS AND WATER AND RECLAIMED MAINS WITH A NOMINAL DIAMETER OF 12 INCHES OR GREATER, INSTALL 3M ELECTRONIC MARKING CAUTION TAPE, SERIES 7900 OR APPROVED EQUAL
9.) SEE S-6 FOR GRAVITY SEWER PIPE TRENCH DETAIL.

PRESSURE PIPE TRENCH DETAIL

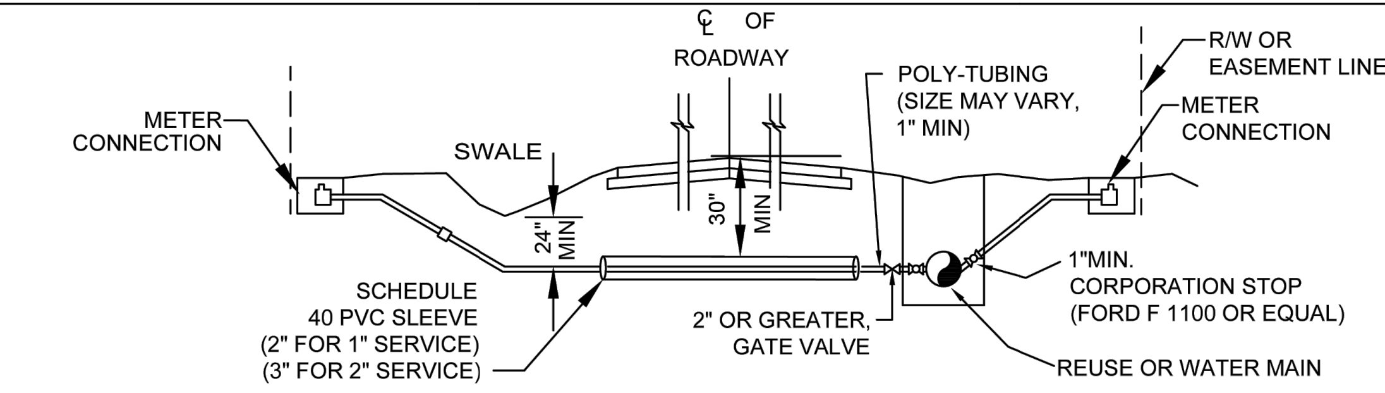
N.T.S.

CITY OF VENICE
ENGINEERING DEPARTMENT
401 W VENICE AVE
VENICE, FL 34285
(941) 486-2626
UTILITIES - GENERAL
UTILITY PIPE TRENCH
DATE
JAN 2026
SHEET NO.
U-1


SINGLE SERVICE CONNECTION
R/W OR EASEMENT
DUAL SERVICE CONNECTION
NO LIGHT POLES, TRANSFORMERS, OR OTHER ABOVE-GROUND UTILITIES SHALL BE PLACED BETWEEN DUAL SERVICES.
METER BOX (TYP.)
1" PE
1" P.E. MINIMUM
45 BEND TYPICAL
ON SERVICES 2" OR GREATER, GATE VALVE WITH VALVE BOX ON ROAD CROSSING OR FAR SIDE SERVICES
WYE, FORD Y44-264, OR EQUAL
FLOW
SERVICE SADDLE AND CORPORATION STOP (TYP.)
2" P.E. MINIMUM
SERVICE SADDLE AND CORPORATION STOP (TYP.)
REUSE MAIN OR WATER MAIN

RESIDENTIAL METER CONNECTION DETAIL

N.T.S.

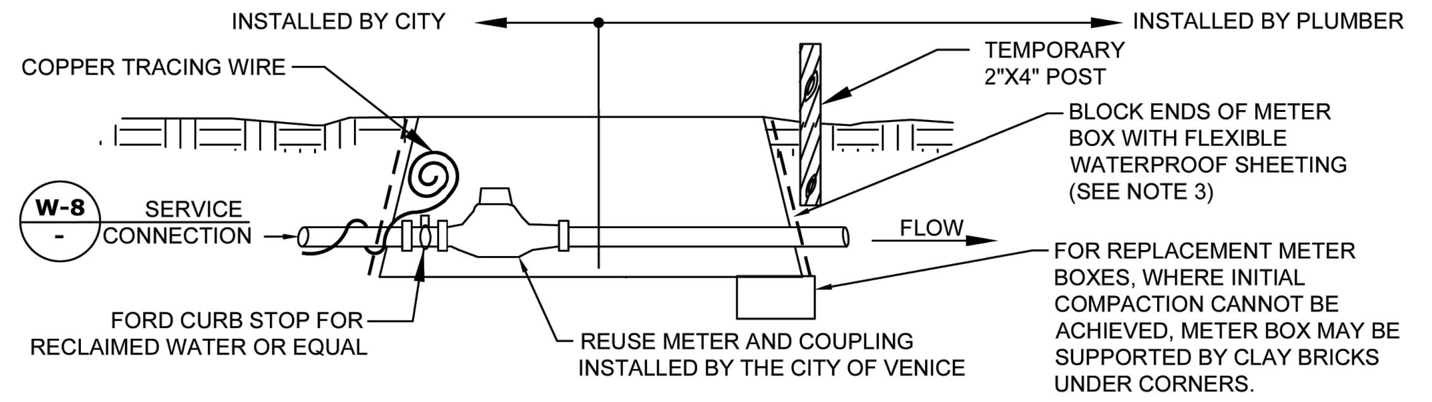

℄ OF ROADWAY
R/W OR EASEMENT LINE
METER CONNECTION
SWALE
POLY-TUBING (SIZE MAY VARY, 1" MIN)
METER CONNECTION
24" MIN
30" MIN
SCHEDULE 40 PVC SLEEVE (2" FOR 1" SERVICE) (3" FOR 2" SERVICE)
2" OR GREATER, GATE VALVE
1"MIN. CORPORATION STOP (FORD F 1100 OR EQUAL)
REUSE OR WATER MAIN

1.) TAPS SHALL NOT BE CLOSER THAN TWO FEET APART OR WITHIN TWO FEET OF ANY JOINT.
2.) TAPS IN MULTIPLE GROUPS SHALL NOT BE MADE IN THE SAME LONGITUDINAL LINE OF THE PIPE BUT MUST BE STAGGERED VERTICALLY.
3.) TAPPING SADDLE SHALL BE STAINLESS STEEL TPS SERIES T3 WITH 304 SS SADDLE AND HARDWARE, OR BRASS DOUBLE STRAP SERVICE SADDLE WITH BRASS BAND(S) AND HARDWARE.
4.) BRASS FITTINGS AND BALL VALVES SHALL BE FORD F1100 OR EQUAL. 3.) TAPPING SADDLE SHALL BE STAINLESS STEEL TPS SERIES T3 WITH 304 SS SADDLE AND HARDWARE, OR BRASS DOUBLE STRAP SERVICE SADDLE WITH BRASS BAND(S) AND HARDWARE.
4.) BRASS FITTINGS AND BALL VALVES SHALL BE FORD F1100 OR EQUAL. ONLY COMPRESSION FITTINGS, NO CRIMPING.
5.) ALL SERVICES SHALL HAVE COPPER TRACER WIRE FROM MAIN TO METER.
6.) ALL SLEEVE ENDS SHALL BE SEALED WITH FOAM SEAL.
7.) **INSERT STIFFENERS ARE NOT ACCEPTABLE.**
8.) ALL WATERWORKS BRASS MUST BE LEAD FREE.
9.) METER SIZE AND SERVICE LINE PIPING DOWNSTREAM OF METER SHALL BE MINIMALLY SIZED BASED ON FIXTURE CALCS AS DETERMINED BY THE EOR.
10.) FOR CURBED ROADWAYS: CURB SHALL BE ETCHED WITH THE LETTER "W" FOR WATER SERVICE AND "R" FOR REUSE SERVICE DIRECTLY PERPENDICULAR TO THE METER.

WATER & REUSE SERVICE CONNECTION

N.T.S.

CITY OF VENICE
ENGINEERING DEPARTMENT
401 W VENICE AVE
VENICE, FL 34285
(941) 486-2626
UTILITIES - WATER
RESIDENTIAL METER & SERVICE CONNECTION
DATE
JAN 2026
SHEET NO.
W-8

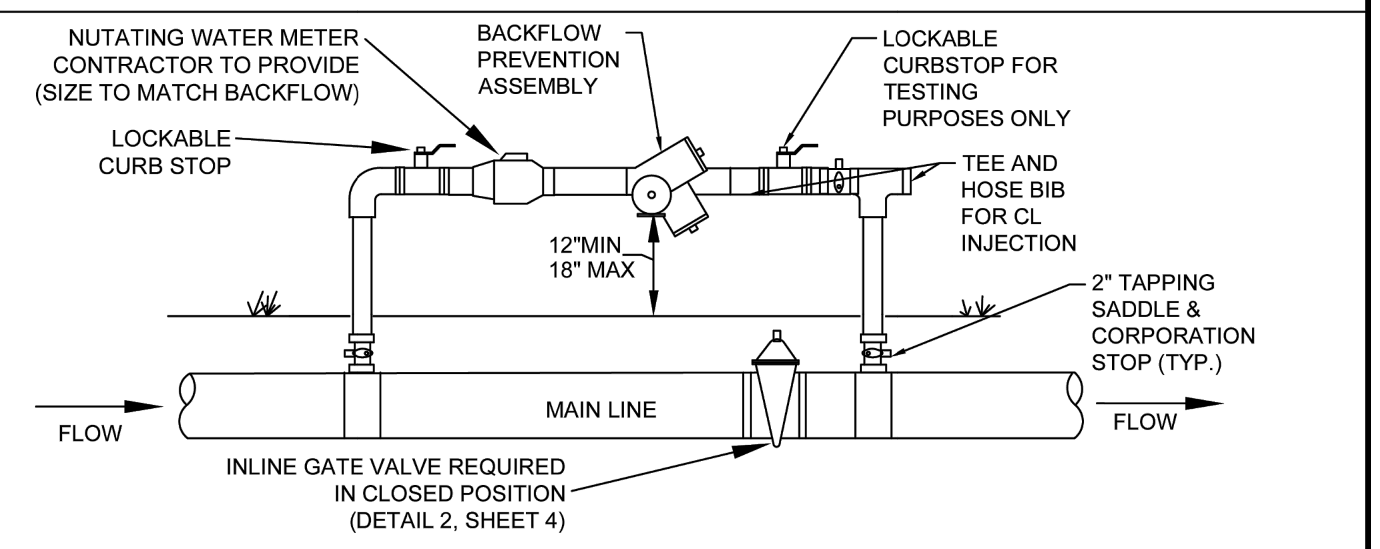

INSTALLED BY CITY
INSTALLED BY PLUMBER
COPPER TRACING WIRE
TEMPORARY 2"X4" POST
BLOCK ENDS OF METER BOX WITH FLEXIBLE WATERPROOF SHEETING (SEE NOTE 3)
W-8
-
SERVICE CONNECTION
FLOW
FOR REPLACEMENT METER BOXES, WHERE INITIAL COMPACTION CANNOT BE ACHIEVED, METER BOX MAY BE SUPPORTED BY CLAY BRICKS UNDER CORNERS.
FORD CURB STOP FOR RECLAIMED WATER OR EQUAL
REUSE METER AND COUPLING INSTALLED BY THE CITY OF VENICE

1.) THE REUSE SYSTEM SHALL USE AN OLDCASTLE CARSON MODEL #1220 OR #1730 FOR 1 $\frac{1}{2}$" OR GREATER METERS OR APPROVED EQUAL, THE LID SHALL BE STAMPED "NON-POTABLE" & "DO NOT DRINK" IN BOTH ENGLISH AND SPANISH AND MUST BE LOCKABLE, METER BOX AND LID SHALL BE PURPLE (COLOR PANTONE 522C).
2.) CURB STOP MUST BE LOCATED INSIDE THE METER BOX AND SHALL BE LOCKED IN THE CLOSED POSITION WITH A LOCK SUPPLIED BY THE UTILITIES DEPARTMENT AT THE TIME OF SERVICE LINE INSTALLATION. LOCK TO BE REMOVED BY THE UTILITIES DEPARTMENT ONLY AFTER STANDARD DETAIL REQUIREMENTS ARE MET. ALL CURB STOPS SHALL BE ORIENTED WITH THE OPERATING NUT ON TOP AND ACCESSIBLE FOR SERVICE BY A CURB STOP KEY.
3.) CENTER METER IN BOX AND BLOCK ENDS OF BOX TO PREVENT DIRT FROM ENTERING WITH FLEXIBLE WATERPROOF SHEETING. SHEETING SHALL BE A PVC TYPE MATERIAL WITH MINIMUM 40 MIL THICKNESS.
4.) COPPERHEAD TRACING WIRE #12 AWG OR EQUAL SHALL BE USED. IT SHALL BE COLOR CODED TO REFLECT WHAT THE PIPE CARRIES. (PURPLE = REUSE)
5.) ALL METER BOXES SHALL BE SET FLUSH WITH FINISHED GRADE.

REUSE METER

RESIDENTIAL & COMMERCIAL 2" AND BELOW

N.T.S.

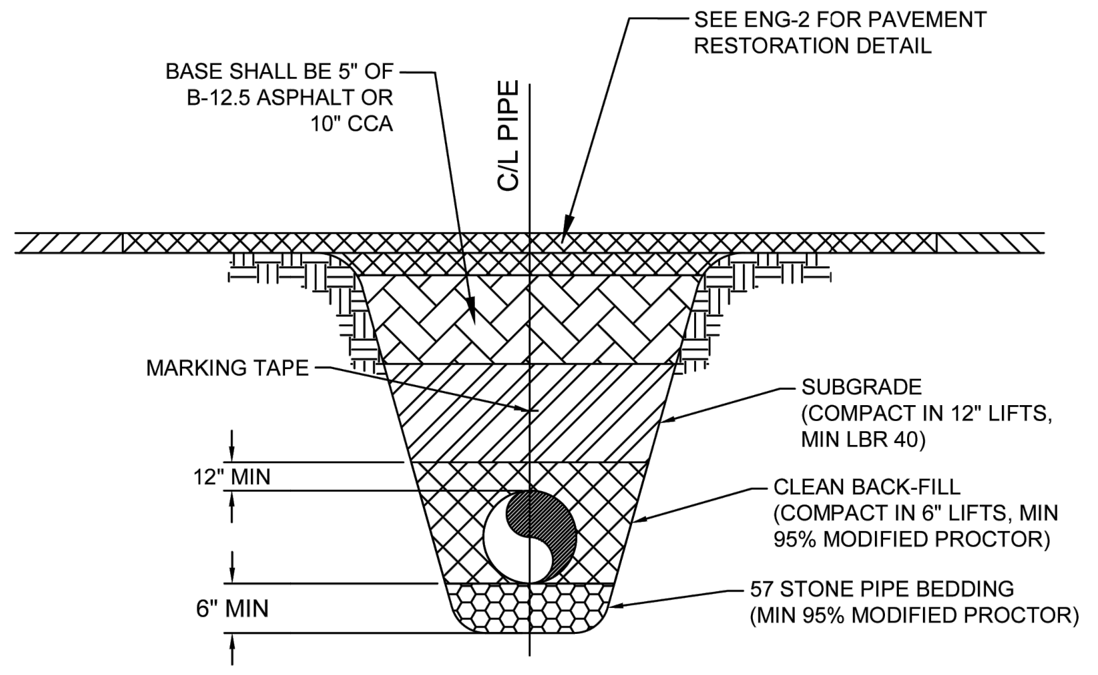

NUTATING WATER METER CONTRACTOR TO PROVIDE (SIZE TO MATCH BACKFLOW)
BACKFLOW PREVENTION ASSEMBLY
LOCKABLE CURBSTOP FOR TESTING PURPOSES ONLY
LOCKABLE CURB STOP
TEE AND HOSE BIB FOR CL INJECTION
12"MIN 18" MAX
2" TAPPING SADDLE & CORPORATION STOP (TYP.)
MAIN LINE
FLOW
FLOW
INLINE GATE VALVE REQUIRED IN CLOSED POSITION (DETAIL 2, SHEET 4)

1.) REDUCED PRESSURE (RPZ) BACKFLOW PREVENTION ASSEMBLY MUST BE CERTIFIED WITHIN THE PAST YEAR AND A VISIBLE TAG INSTALLED.
2.) INLINE MAIN VALVE MUST REMAIN CLOSED UNTIL FINAL CITY TURNOVER IS COMPLETE AND FDEP CLEARANCE IS ISSUED.
3.) JUMPER ASSEMBLY SHALL BE REMOVED ONCE MAIN LINE IS CLEARED AND TURNED OVER TO CITY.
4.) DURING JUMPER REMOVAL, CORPORATION STOPS SHALL BE SHUT OFF AND PLUGGED WITH LEAD FREE BRASS PLUGS.

TEMPORARY MAIN-LINE JUMPER DETAIL

N.T.S.

CITY OF VENICE
ENGINEERING DEPARTMENT
401 W VENICE AVE
VENICE, FL 34285
(941) 486-2626
UTILITIES - WATER
REUSE METER & TEMPORARY JUMPER
DATE
JAN 2026
SHEET NO.
W-7

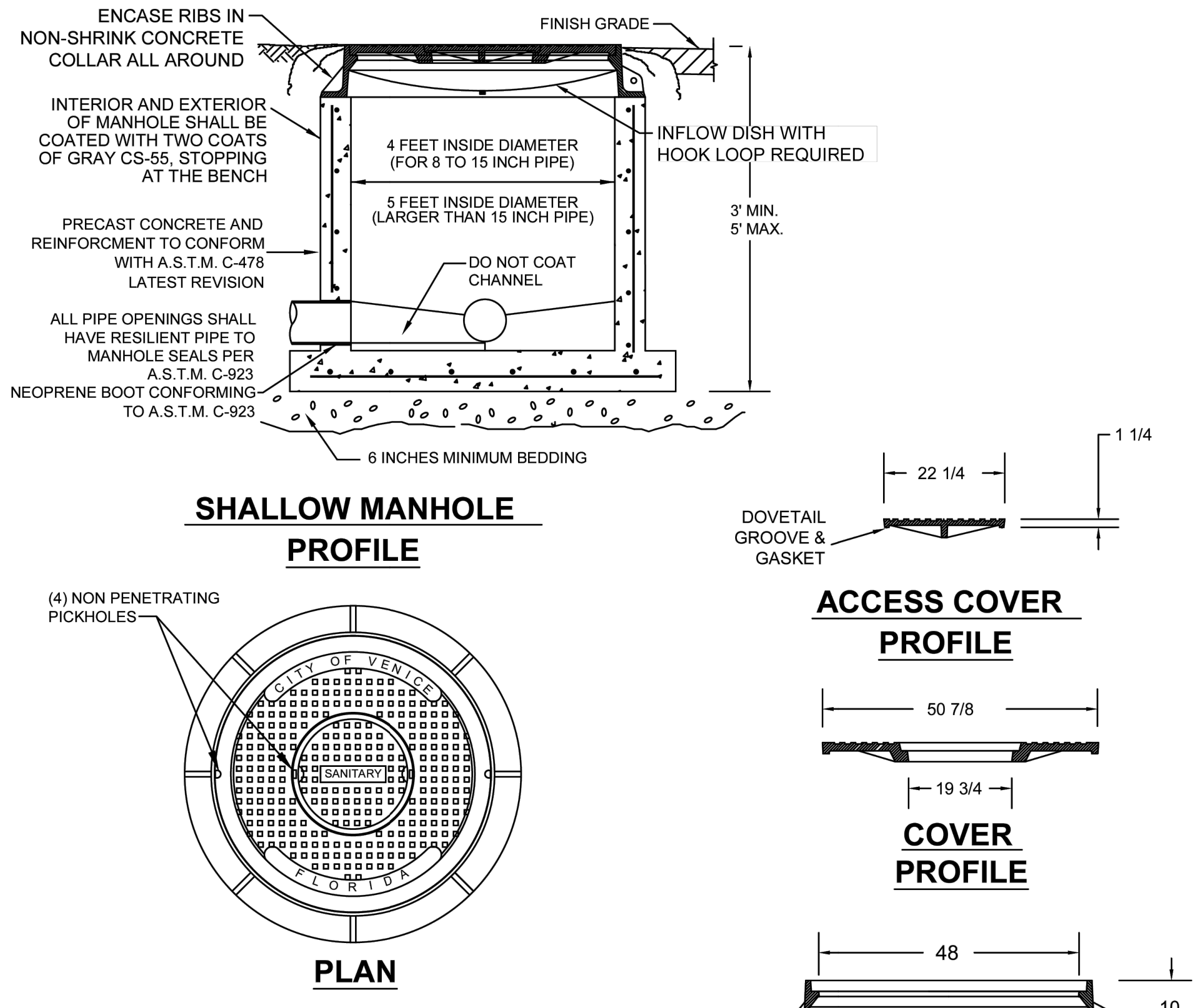

BASE SHALL BE 5" OF B-12.5 ASPHALT OR 10" CCA
C/L PIPE
SEE ENG-2 FOR PAVEMENT RESTORATION DETAIL
MARKING TAPE
SUBGRADE (COMPACT IN 12" LIFTS, MIN LBR 40)
12" MIN
CLEAN BACK-FILL (COMPACT IN 6" LIFTS, MIN 95% MODIFIED PROCTOR)
6" MIN
57 STONE PIPE BEDDING (MIN 95% MODIFIED PROCTOR)

1.) MINIMUM COVER SHALL BE 36" FROM TOP OF PIPE TO FINISHED GRADE.
2.) INSTALLATION OF PIPE SHALL BE IN CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3.) PAVEMENT RESTORATION SHALL CONFORM WITH DETAIL ENG-2 OF THESE CITY STANDARDS. FOR NEW CONSTRUCTION, THE FIRST LIFT OF ASPHALT SHALL BE IN PLACE PRIOR TO RECORD DRAWING REVIEW.
4.) ALL UTILITIES (PUBLIC AND PRIVATE) THAT CROSS A DITCH / SWALE SHALL BE 36" MIN BELOW THE ACTUAL / DESIGN BOTTOM OF CONVEYANCE.
5.) MARKING TAPE SHALL BE PROVIDED PER U-1.

SEWER PIPE TRENCH DETAIL

N.T.S.

CITY OF VENICE
ENGINEERING DEPARTMENT
401 W VENICE AVE
VENICE, FL 34285
(941) 486-2626
UTILITIES - SEWER
SEWER PIPE TRENCH
DATE
JAN 2026
SHEET NO.
S-6


ENCASE RIBS IN NON-SHRINK CONCRETE COLLAR ALL AROUND
FINISH GRADE
INTERIOR AND EXTERIOR OF MANHOLE SHALL BE COATED WITH TWO COATS OF GRAY CS-55, STOPPING AT THE BENCH
4 FEET INSIDE DIAMETER (FOR 8 TO 15 INCH PIPE)
5 FEET INSIDE DIAMETER (LARGER THAN 15 INCH PIPE)
INFLOW DISH WITH HOOK LOOP REQUIRED
3' MIN. 5' MAX.
PRECAST CONCRETE AND REINFORCMENT TO CONFORM WITH A.S.T.M. C-478 LATEST REVISION
DO NOT COAT CHANNEL
ALL PIPE OPENINGS SHALL HAVE RESILIENT PIPE TO MANHOLE SEALS PER A.S.T.M. C-923
NEOPRENE BOOT CONFORMING TO A.S.T.M. C-923
6 INCHES MINIMUM BEDDING
SHALLOW MANHOLE PROFILE
1 1/4
22 1/4
DOVETAIL GROOVE & GASKET
ACCESS COVER PROFILE
(4) NON PENETRATING PICKHOLES
CITY OF VENICE
SANITARY
FLORIDA
50 7/8
19 3/4
COVER PROFILE
PLAN
48
10
52
62
RING PROFILE

1.) SHALLOW MANHOLE SHALL BE INSTALLED WHEREVER THE BASE OF THE MANHOLE IS LESS THAN 5 FEET BELOW THE FINISHED GRADE.
2.) MANHOLE SHALL CONFORM TO A.S.T.M. C-478 LATEST REVISION TYPE II CONCRETE, 4000 P.S.I. 28 DAY COMPRESSIVE STRENGTH
3.) INTERCEPTOR MANHOLES, DROP MANHOLES, AND MANHOLES WITH INTERCEPTING FORCE MAINS SHALL BE LINED WITH RAVEN 405.
4.) ALL JOINTS SHALL BE WRAPPED WITH 12" BOA TAPE.
5.) INFLOW DISH SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR.
6.) COVER SPECIFICATIONS:
  MATERIAL: ASTM-A48 CLASS 30B GRAY IRON.
  RING WT: 700 LBS. APP. (USF 690-AG-M)
  OUTER COVER WT: 675 LBS. APP.
  INNER COVER WT: 105 LBS. APP.

PRECAST SHALLOW MANHOLE DETAIL

N.T.S.

CITY OF VENICE
ENGINEERING DEPARTMENT
401 W VENICE AVE
VENICE, FL 34285
(941) 486-2626
UTILITIES - SEWER
PRECAST SHALLOW MANHOLE
DATE
JAN 2026
SHEET NO.
S-3

REVISION
REV, DATE AND DESCRIPTION

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MELANIE DELEHANTY SMITH, PE ON THE DATE ADJACENT TO THE SEAL.

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Digitally signed by Melanie Smith
Date: 2026.04.29 11:45:54-04'00'

MELANIE DELEHANTY SMITH, PE FL #75447
PROFESSIONAL ENGINEER

DATE: 10/2025
DRAWN BY: BL
CHECKED BY: MDS
JOB NO: 2025-025

ALOHA INC, A CONDOMINIUM ASSOCIATION

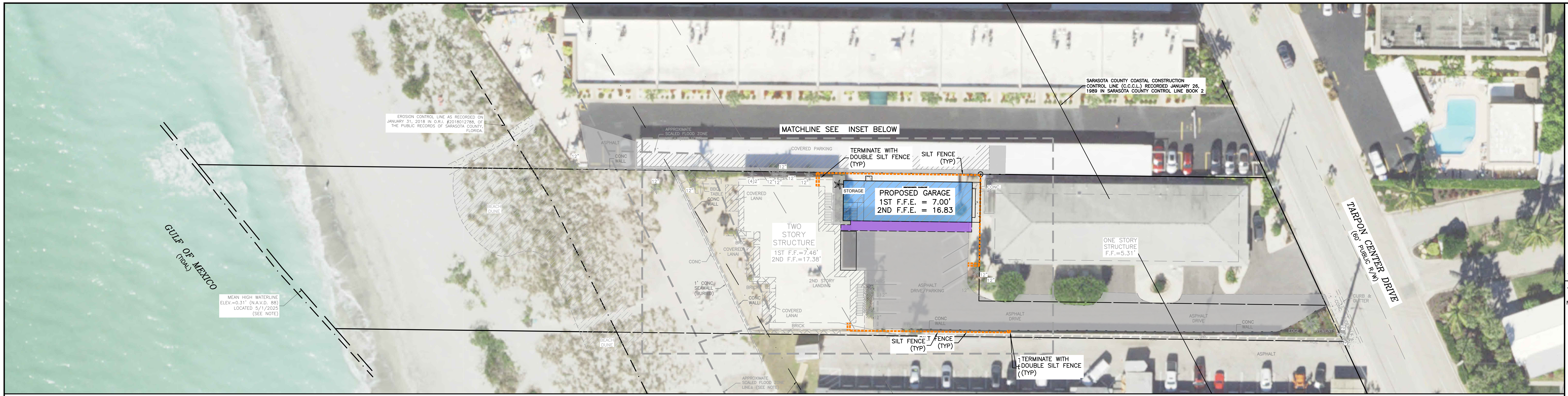
1329 TARPON CENTER DRIVE
VENICE, FLORIDA

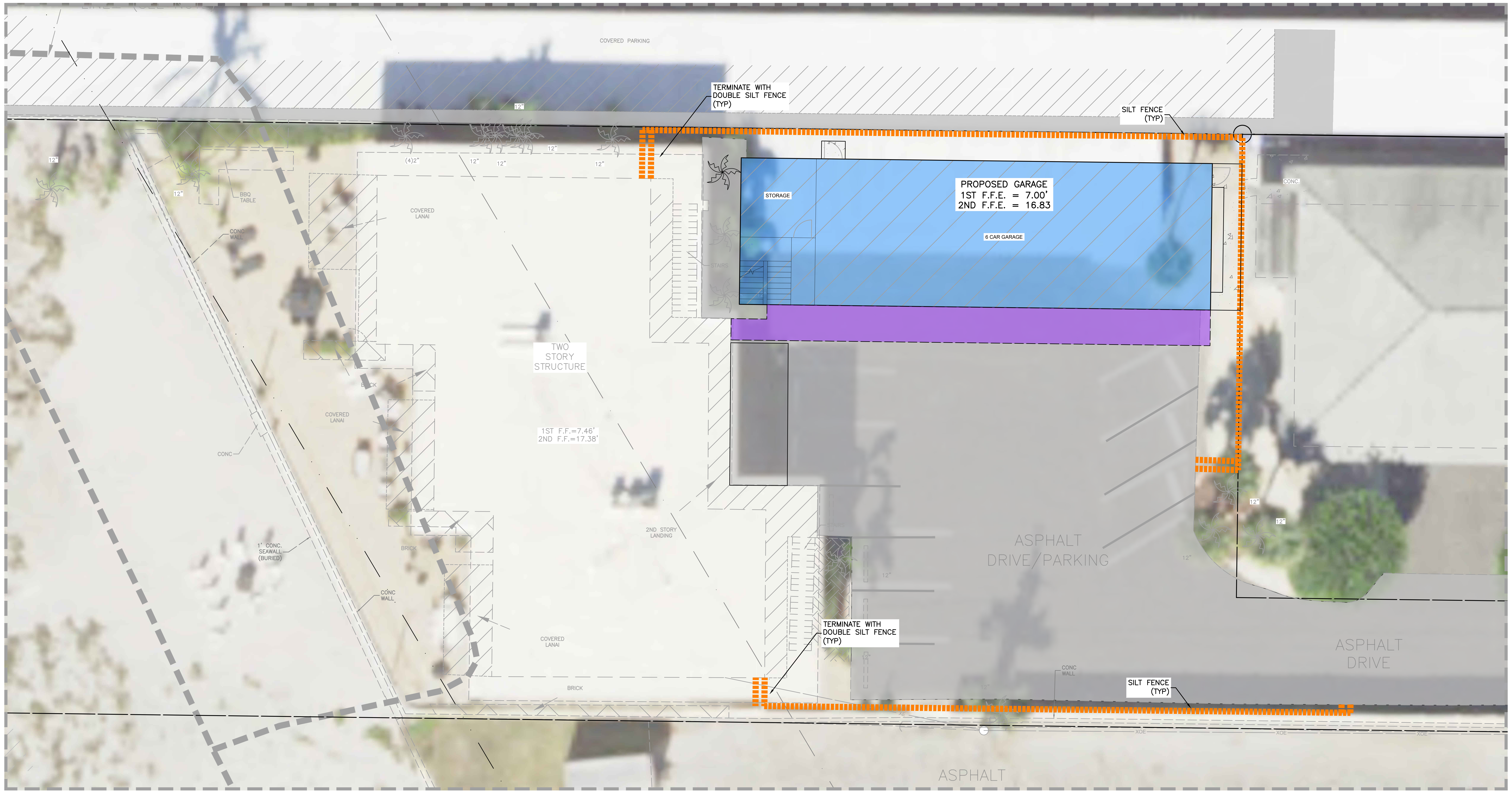
CONSTRUCTION DETAILS
SCALE: Custom

Mel-Haven
PASSIONATE ENGINEERING
ADDRESS:
5342 CLARK RD #1182
SARASOTA, FL 34233
PHONE: (941) 468-3742
WWW. MELHAVENENGINEERING.COM

C-601

12





INSET
1" = 10'

THESE DRAWINGS ARE THE PROPERTY OF MEL-HAVEN ENGINEERING, LLC AND IS NOT TO BE USED OR REPRODUCED OR COPIED IN WHOLE OR IN PART. USE OR COPY IS PERMITTED BY CONTRACT ONLY, AND PLANS ARE TO BE RETURNED UPON REQUEST. ALL MEASUREMENTS, DIMENSIONS, OR ANY EXISTING STRUCTURES OR VEGETATION TO REMAIN TO BE FIELD VERIFIED BEFORE ANY CONSTRUCTION.

SURVEY PROVIDED BY CLIENT, BY ERICK B BENNETT, PROFESSIONAL SURVEYOR AND MAPPER, FL REG # 7301. DATE OF FIELD SURVEY AS REFLECTED ON THE SIGNED AND SEALED DOCUMENTS: 05/01/2025; SURVEY WAS PREPARED AND CERTIFIED TO ALOHA INC. A CONDOMINIUM ASSOCIATION, 05/01/2025.

MELANIE D SMITH HAS REVIEWED THE DATA AS RECEIVED TO OBSERVATION IN THE FILED AS WELL AS HISTORICAL DATA FOR THE SITE

REVISION

△ REV, DATE AND DESCRIPTION

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MELANIE DELEHANTY SMITH, PE ON THE DATE ADJACENT TO THE SEAL.

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

No. 75447

Digitally signed by Melanie Smith
Date: 2026.04.29 11:45:46-04'00'

MELANIE DELEHANTY SMITH, PE FL #75447
PROFESSIONAL ENGINEER

DATE: 10/2025
DRAWN BY: BL
CHECKED BY: MDS
JOB NO: 2025-025

ALOHA INC, A CONDOMINIUM ASSOCIATION

1329 TARPON CENTER DRIVE
VENICE, FLORIDA

BEST MANAGEMENT PRACTICES PLAN

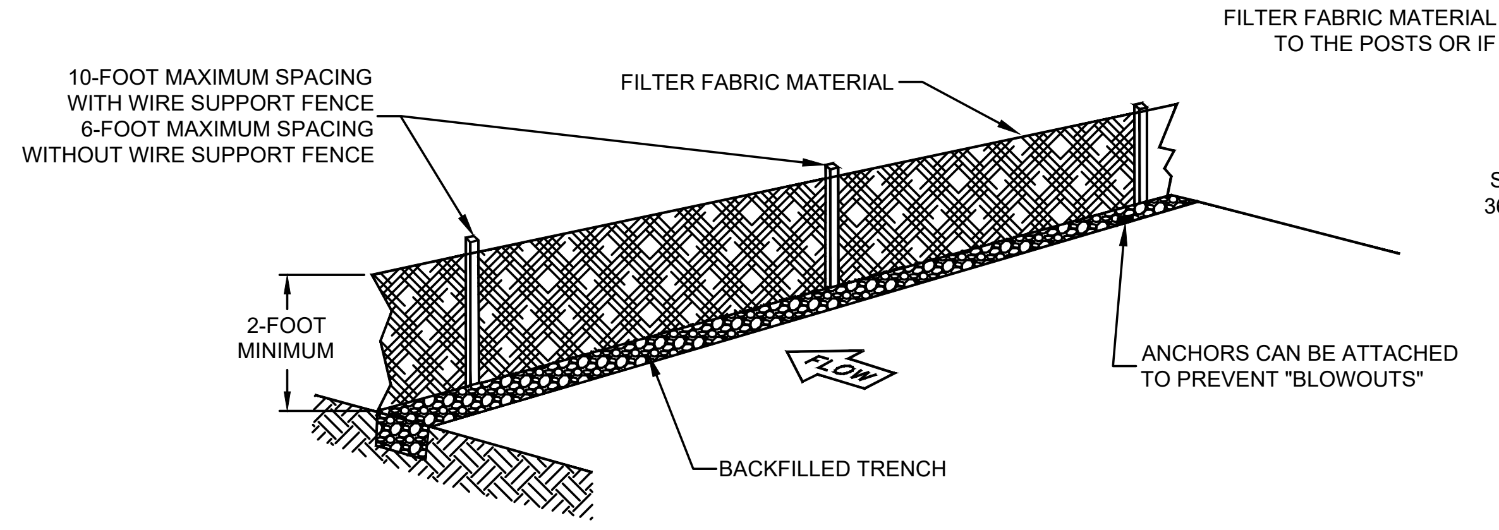
SCALE: AS NOTED

Mel-Haven
PASSIONATE ENGINEERING
ADDRESS:
5342 CLARK RD #1182
SARASOTA, FL 34233
PHONE: (941) 468-3742
WWW. MELHAVENENGINEERING.COM

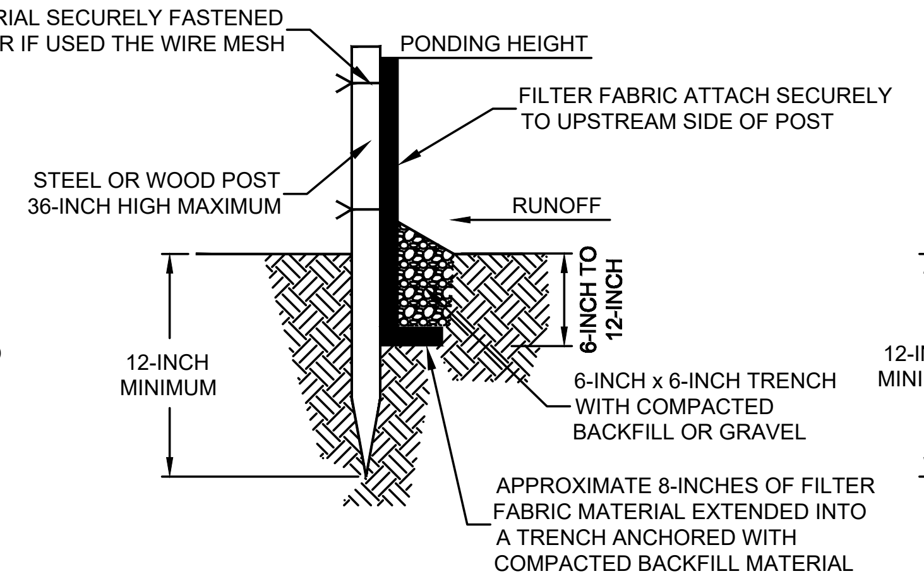
12

C-800

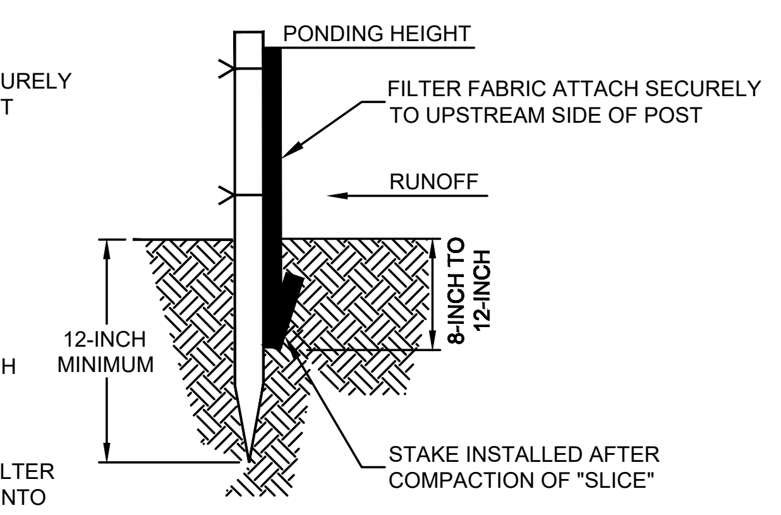
STORMWATER POLLUTION PREVENTION PLAN



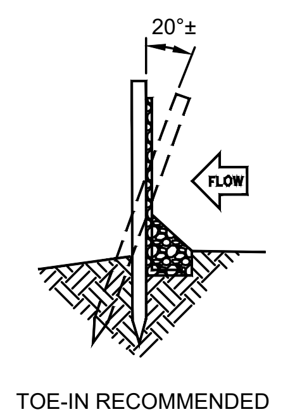
FILTER FABRIC SILT FENCE


FILTER FABRIC MATERIAL SECURELY FASTENED
TO THE POSTS OR IF USED THE WIRE MESH
PONDING HEIGHT
FILTER FABRIC ATTACH SECURELY
TO UPSTREAM SIDE OF POST
STEEL OR WOOD POST
36-INCH HIGH MAXIMUM
RUNOFF
12-INCH MINIMUM
6-INCH TO 12-INCH
6-INCH x 6-INCH TRENCH
WITH COMPACTED
BACKFILL OR GRAVEL
APPROXIMATE 8-INCHES OF FILTER
FABRIC MATERIAL EXTENDED INTO
A TRENCH ANCHORED WITH
COMPACTED BACKFILL MATERIAL

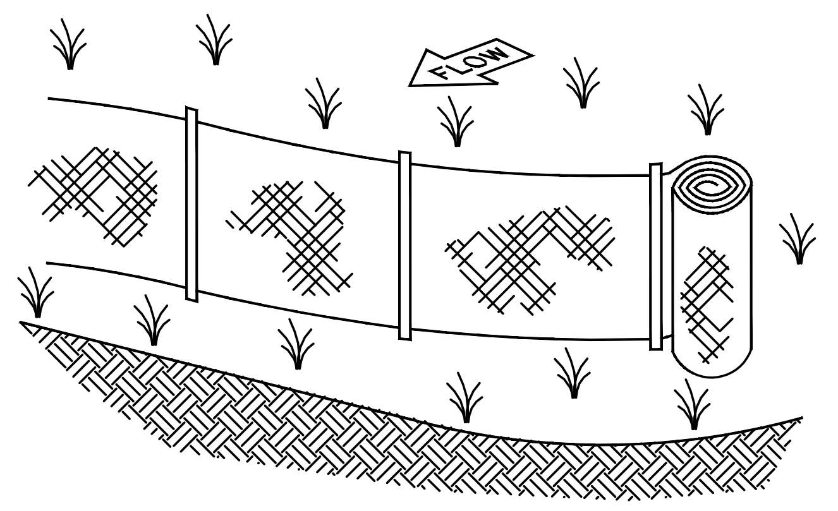
TRENCHING METHOD
TRENCH WITH NATIVE BACKFILL OR GRAVEL



ALTERNATIVE SLICING METHOD
TRENCH WITH GRAVEL

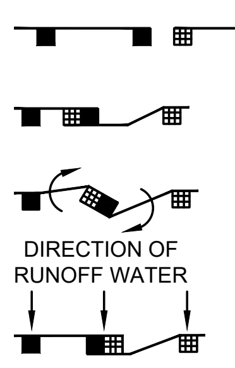


TOE-IN RECOMMENDED



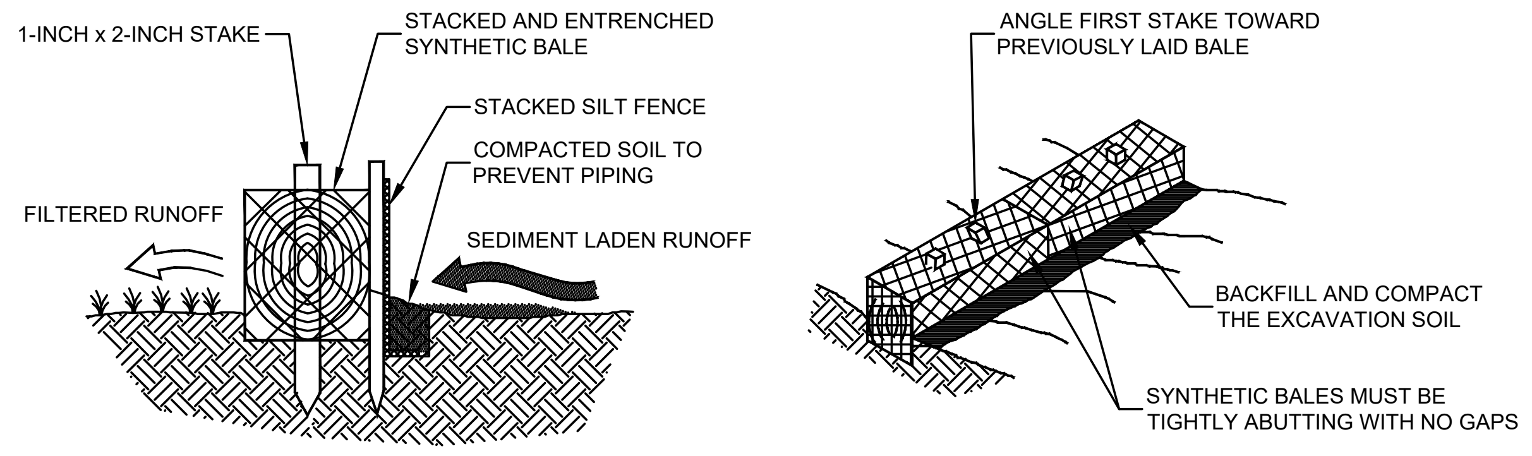
PREASSEMBLED SILT FENCE

ATTACHING TWO SILT FENCES



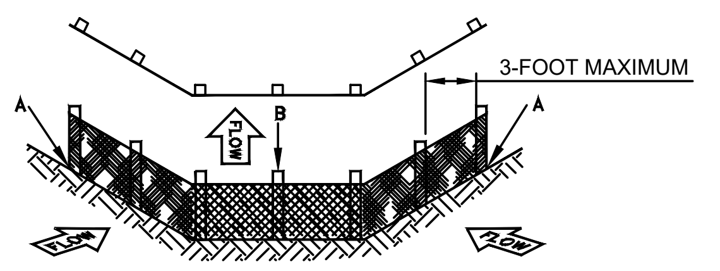
1. PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE
2. ROTATE BOTH POSTS AT LEAST 180 DEGREES IN A CLOCKWISE DIRECTION TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL
3. DRIVE BOTH POSTS ABOUT 10 INCHES INTO THE GROUND AND BURY FLAP

NOTES:
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY
4. SEE FDOT INDEX 102 FOR ADDITIONAL DETAILS FOR TYPE I, II & TYPE III BARRIERS & SILT FENCE.



PROPER PLACEMENT OF SYNTHETIC BALE
BARRIER IN DRAINAGE WAY

PROPER PLACEMENT OF
SILT FENCE IN DRAINAGE WAY

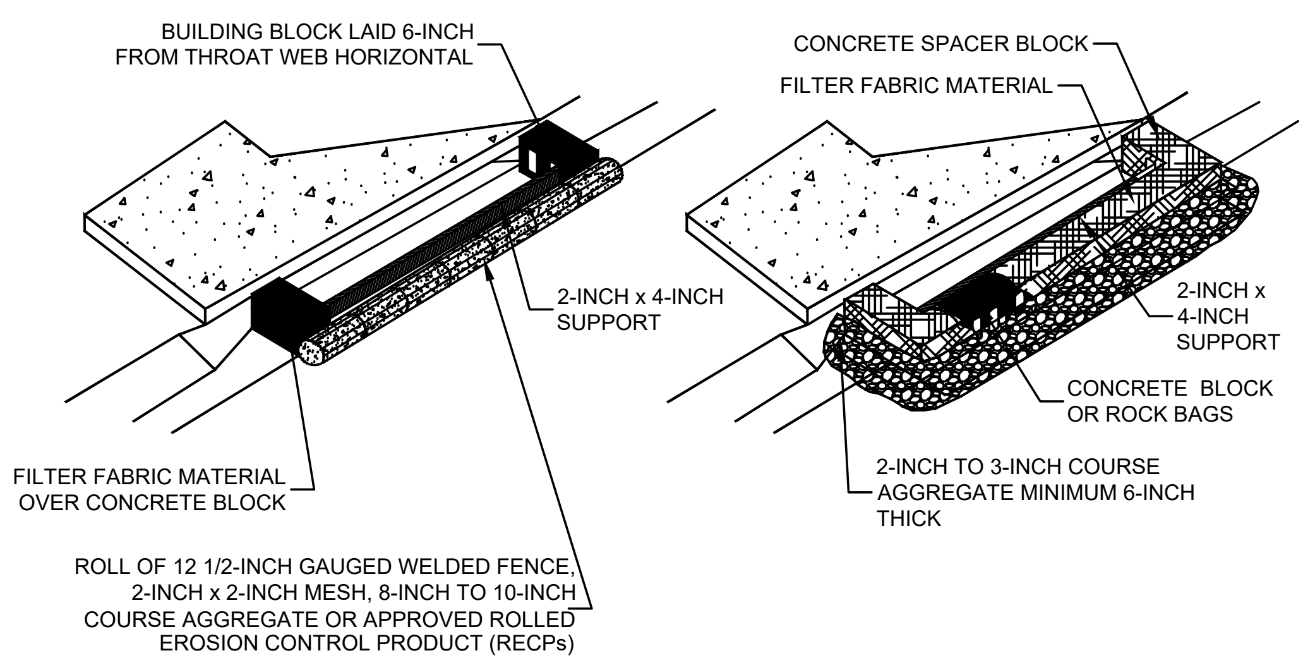


POINTS A MUST BE 8-INCH MINIMUM
ABOVE THE FLOW-LINE AT POINT B

SEE FDOT INDEX 102 FOR RECOMMENDED SPACING FOR SYNTHETIC BALES OR BALE TYPE BARRIERS AND TYPE III SILT FENCE

TEMPORARY EROSION AND SEDIMENT CONTROL BARRIERS SILT FENCE & SYNTHETIC BALES

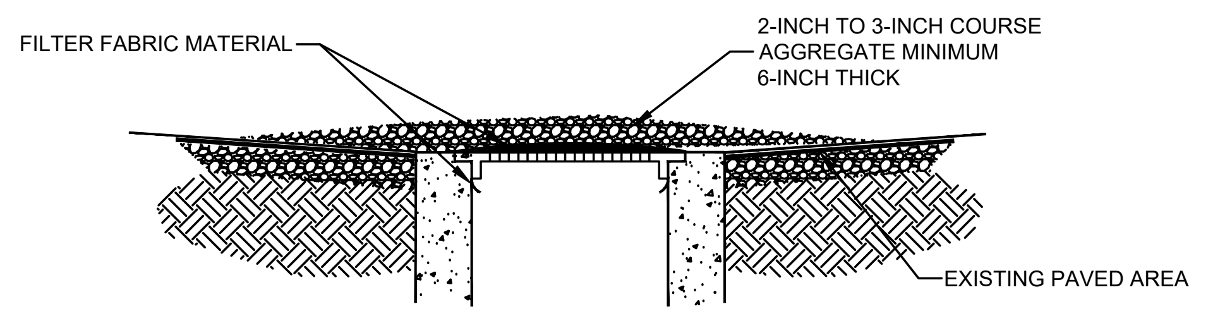
SCALE
NTS
1

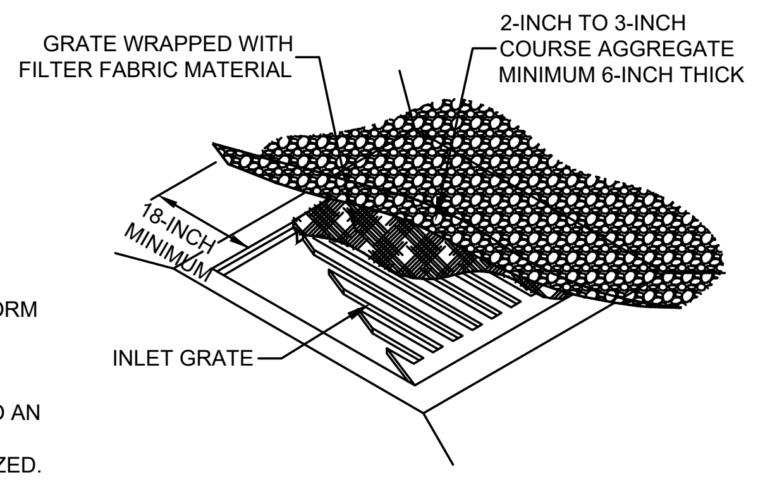


NOTES:
1. FIBROUS FILTER MATERIAL IN FRONT OF BLOCK PREVENTS GRAVEL FROM WASHING INTO STRUCTURE.
2. 2-INCH x 4-INCH BEHIND BLOCK AND ACROSS THROAT HELPS KEEP BLOCK IN PLACE PLACE IN OUTER HOLE OF SPACER BLOCK.
3. FILTER FABRIC AND AGGREGATE, SIMILARLY PLACED, MAY ALSO BE USED.

TEMPORARY EROSION CONTROL FILTER FABRIC OVER GRATE INLET

SCALE
NTS
2

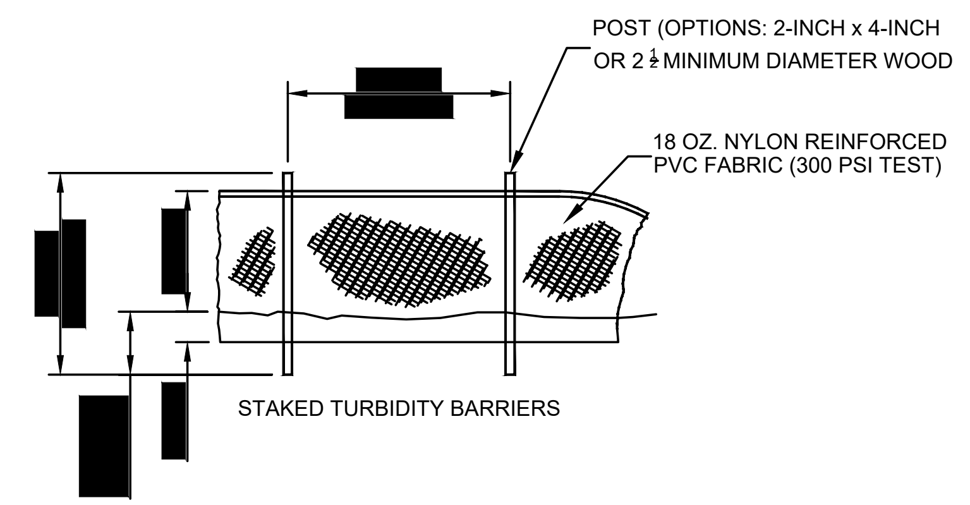




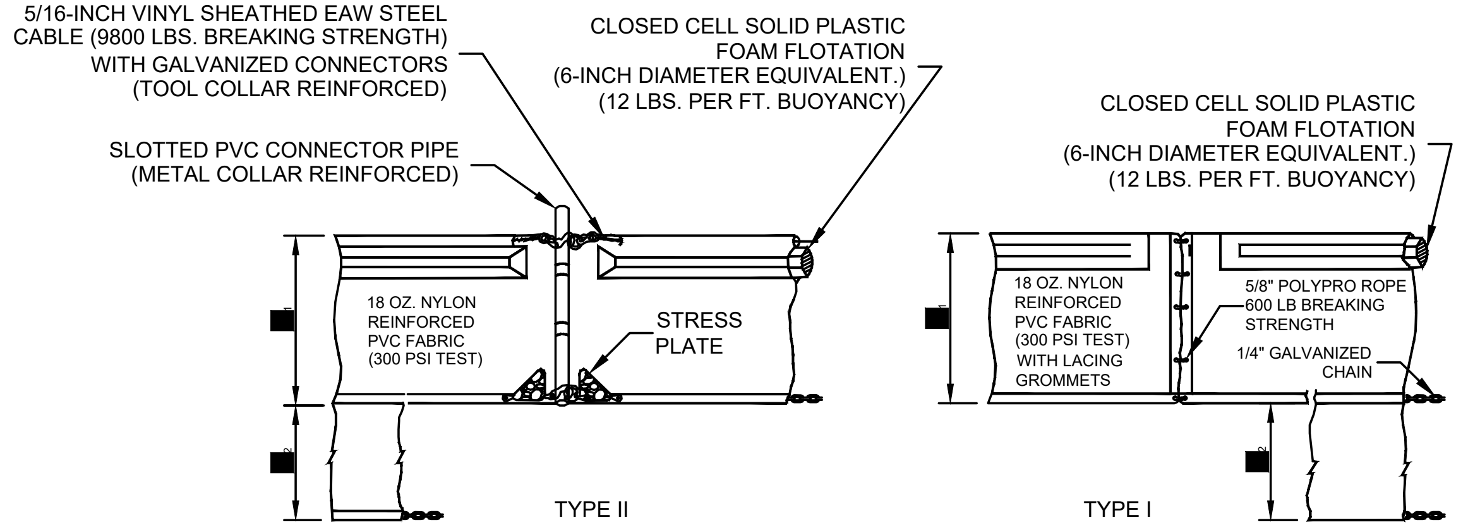
NOTES:
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%)
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY
3. REMOVED SEDIMENT SHALL BE DEPOSITED YO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
4. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY

POST PAVEMENT EROSION CONTROL FILTER FABRIC OVER GRATE INLET

SCALE
NTS
3


POST (OPTIONS: 2-INCH x 4-INCH
OR 2 ½ MINIMUM DIAMETER WOOD
18 OZ. NYLON REINFORCED
PVC FABRIC (300 PSI TEST)

STAKED TURBIDITY BARRIERS


5/16-INCH VINYL SHEATHED EAW STEEL
CABLE (9800 LBS. BREAKING STRENGTH)
WITH GALVANIZED CONNECTORS
(TOOL COLLAR REINFORCED)
CLOSED CELL SOLID PLASTIC
FOAM FLOTATION
(6-INCH DIAMETER EQUIVALENT.)
(12 LBS. PER FT. BUOYANCY)
SLOTTED PVC CONNECTOR PIPE
(METAL COLLAR REINFORCED)
18 OZ. NYLON
REINFORCED
PVC FABRIC
(300 PSI TEST)
STRESS
PLATE
TYPE II
CLOSED CELL SOLID PLASTIC
FOAM FLOTATION
(6-INCH DIAMETER EQUIVALENT.)
(12 LBS. PER FT. BUOYANCY)
18 OZ. NYLON
REINFORCED
PVC FABRIC
(300 PSI TEST)
WITH LACING
GROMMETS
5/8" POLYPRO ROPE
600 LB BREAKING
STRENGTH
1/4" GALVANIZED
CHAIN
TYPE I

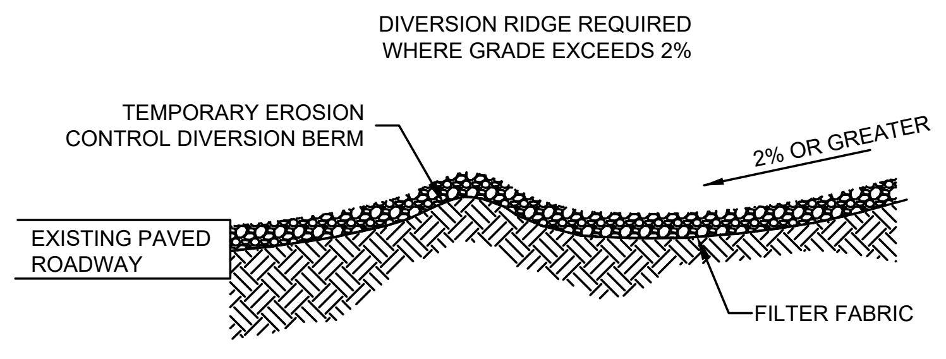
FLOATING TURBIDITY BARRIERS

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 FDOT STANDARD SPECIFICATIONS.

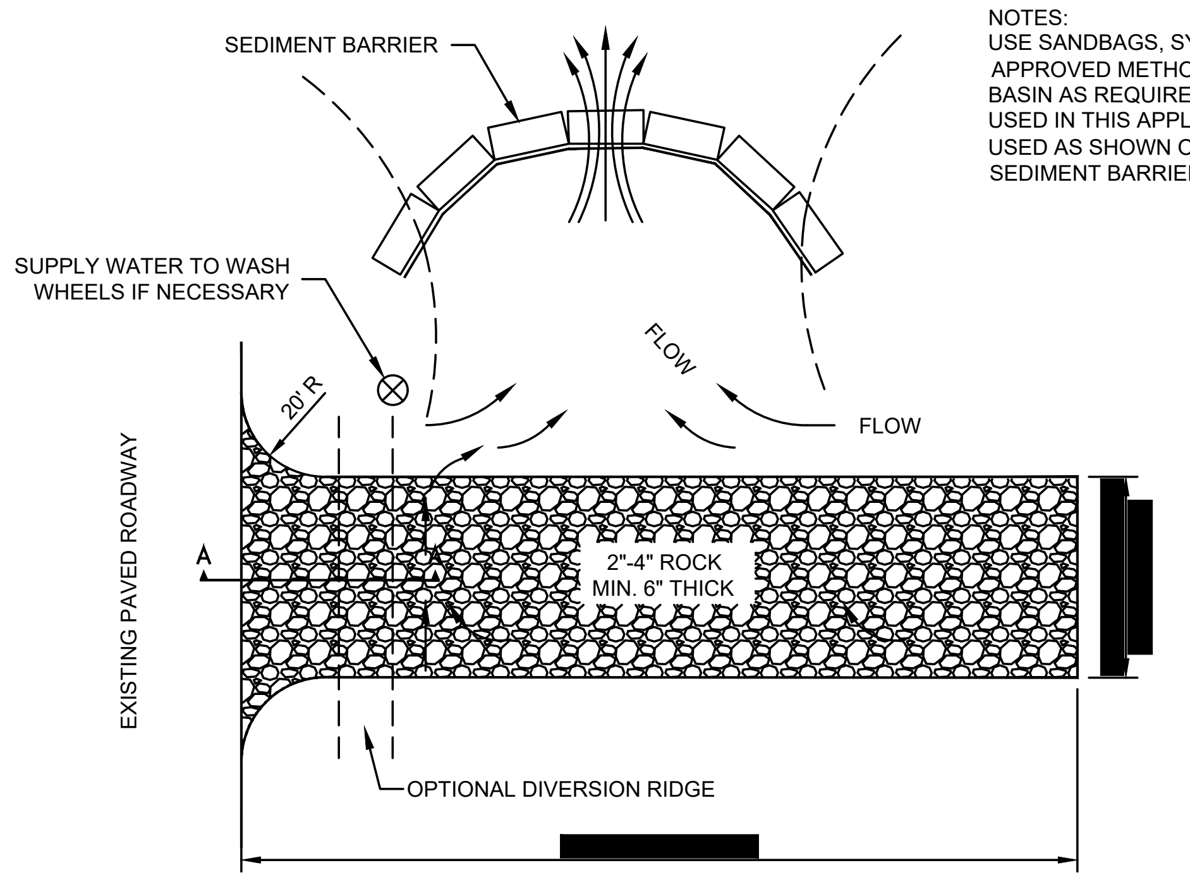
TURBIDITY BARRIERS FOR FLOWING STREAMS AND TIDAL CREEKS MAY BE EITHER FLOATING, OR STAKED TYPES OR ANY COMBINATIONS OF TYPES THAT WILL SUIT SITE CONDITIONS AND MEET EROSION CONTROL AND WATER QUALITY REQUIREMENTS. THE BARRIER TYPE(S) WILL BE AT THE CONTRACTORS OPTION UNLESS OTHERWISE SPECIFIED IN THE PLANS. HOWEVER, PAYMENT WILL BE UNDER THE CONTRACT LUMP SUM PRICE ESTABLISHED IN THE BID PROPOSAL FOR EROSION AND SEDIMENT CONTROL POSTS IN STAKED TURBIDITY BARRIERS TO BE INSTALLED IN VERTICAL POSITION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

TEMPORARY TURBIDITY BARRIERS

SCALE
NTS
4



SECTION A-A



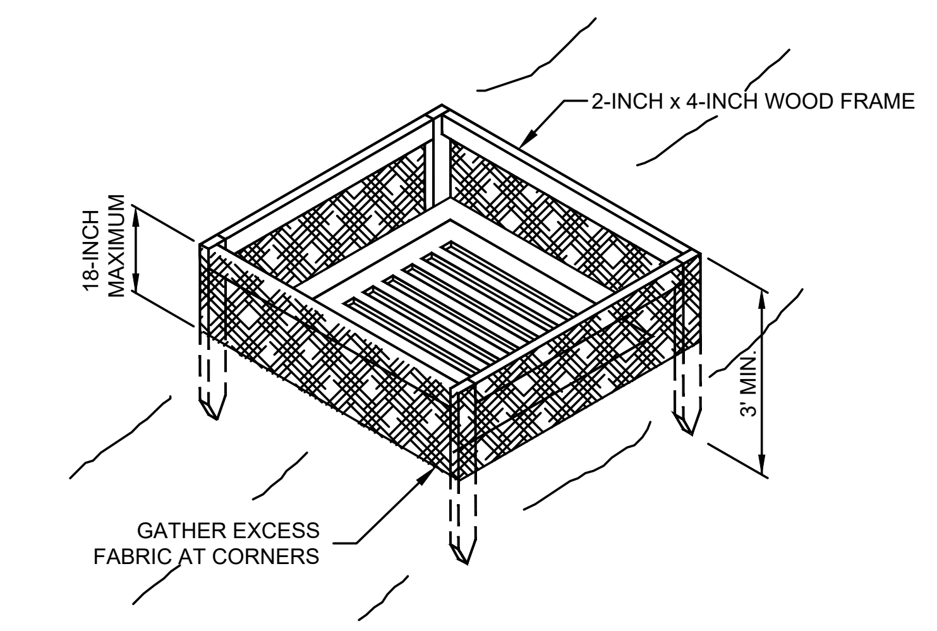
NOTES:
USE SANDBAGS, SYNTHETIC BALES OR OTHER APPROVED METHODS TO CHANELIZE RUNOFF TO BASIN AS REQUIRED WHEN SYNTHETIC BALES ARE USED IN THIS APPLICATION, SILT FENCE SHALL BE USED AS SHOWN ON THE UPSTREAM SIDE OF THE SEDIMENT BARRIER. SEE FOOT INDEX NO. 607.

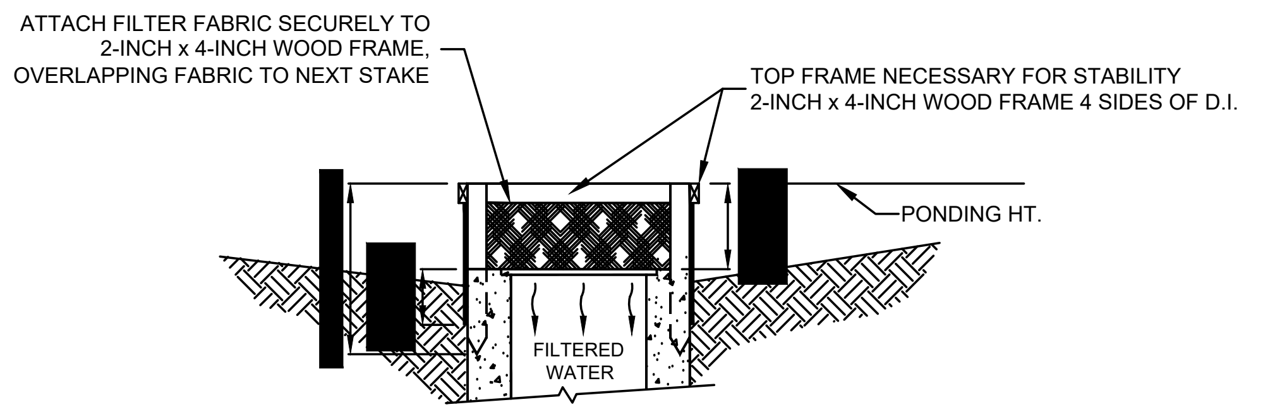
PLAN

NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
4. SEE FDOT INDEX NO. 106

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE (SOIL TRACKING PREVENTION DEVICE)

SCALE
NTS
5




ATTACH FILTER FABRIC SECURELY TO
2-INCH x 4-INCH WOOD FRAME,
OVERLAPPING FABRIC TO NEXT STAKE
TOP FRAME NECESSARY FOR STABILITY
2-INCH x 4-INCH WOOD FRAME 4 SIDES OF D.I.
PONDING HT.
FILTERED
WATER

SECTION A-A

NOTES:
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5")
2. USE 2-INCH X 4-INCH WOOD OR EQUIVALENT METAL STAKES. (3-FOOT MINIMUM LENGTH)
3. INSTALL 2-INCH X 4-INCH WOOD TOP FRAME TO INSURE STABILITY.
4. THE TOP DF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BYPASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

PRE-PAVEMENT SEDIMENT BARRIER AT GRATE INLET

SCALE
NTS
6

EROSION AND SEDIMENT CONTROL NOTES

GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SILT FROM SITE IF NOT REUSABLE ON-SITE AND ASSURING PLAN ALIGNMENT AND GRADE IN ALL DITCHES AND SWALES AT COMPLETION OF CONSTRUCTION.
2. THE SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED.
3. ADDTI0NAL PROTECTION - ON-SITE PROTECTION IN ADDITI0N TO THE ABOVE MUST BE PROVIDED THAT WILL NOT PERMIT SILT TO LEAVE THE PROJECT CONFINES DUE TO UNSEEN CONDITIONS OR ACCIDENTS.
4. CONTRACTOR SHALL INSURE THAT ALL DRAINAGE STRUCTURES, PIPES. ETC. ARE CLEANED OUT AND WORKING PROPERLY AT TIME OF ACCEPTANCE.
5. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE BEST MANAGEMENT PRACTICES (BMP) AND MOST CURRENT EROSION AND SEDIMENT CONTROL PRACTICES. THIS PLAN INDICATES THE MINIMUM EROSION AND SEDIMENT MEASURES REQUIRED FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE RULES, REGULATIONS AND WATER QUALITY GUIDELINES AND MAY NEED TO INSTALL ADDITIONAL CONTROLS.
6. FOR ADDITIONAL INFORMATION ON SEDIMENT AND EROSION CONTROL REFER TO "THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL - DESIGNER AND REVIEWER MANUAL (JUNE 2007)" FOR THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (F.D.E.P.) & THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION. (F.D.O.T.) AND F.D.O.T. DESIGN STANDARDS INDEX 102.
7. THE CONTRACTOR SHALL BE REQUIRED TO RESPOND TO ALL F.D.O.T., F.D.E.P. AND WATER MANAGEMENT DISTRICT INQUIRIES, RELATIVE TO COMPLIANCE OF F.D.O.T., F.D.E.P. AND WATER MANAGEMENT DISTRICT FOR EROSION AND SEDIMENTATION CONTROL. THE COST OF THIS COMPLIANCE SHALL BE PART OF THE CONTRACT.

PRE-Construction SITE PROTECTION:

8. EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE PLACED ADJACENT TO ALL WETLAND AREAS WHERE THERE IS P0TENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION. SEE DETAIL SHEET FOR TYPICAL CONSTRUCTION.
9. ANY DISCHARGE FROM DEWATERING ACTIVITY SHALL BE FILTERED AND CONVEYED TO THE OUTFALL IN A MANNER WHICH PREVENTS EROSION AND TRANSPORTATION OF SUSPENDED SOLIDS TO THE RECEIVING OUTFALL.
10. DEWATERING PUMPS SHALL NOT EXCEED THE CAPACITY OF THAT WHICH REQUIRES A CONSUMPTIVE USE PERMIT FROM THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
11. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-THIRD (1/3) THE HEIGHT OF THE BARRIER OR INLET. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
12. ALL DISTURBED AREAS ARE TO BE STABILIZED THROUGH COMPACTION. SILT SCREENS, SYNTHETIC BALES, AND GRASSING. ALL FILL SLOPES 3:1 OR STEEPER TO RECEIVE STAKED SOLID SOD.

SITE PROTECTION:

13. THE FILTER BARRIER SHALL BE ENTRENCHED AND BACKFILLED PROPERLY. A TRENCH SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 6 INCHES. BARRIER IS STAKED, THE EXCAVATED SOIL OR GRAVEL SHALL BE BACKFILLED AND COMPACTED AGAINST THE FILTER BARRIER. USING WIRE BACKING FOR SUPPORT IS DISCOURAGED DUE TO DISPOSAL PROBLEMS.
14. WATER OR SLURRY USED TO CONTROL DUST SHALL BE RETAINED ON THE SITE AND NOT ALLOWED TO RUN DIRECTLY INTO WATERCOURSE OR STORMWATER CONVEYANCE SYSTEMS.
15. SPECIAL AREAS SHALL BE DESIGNATED AS VEHICLE AND EQUIPMENT WASHING AREAS AND SUCH AREAS SHALL NOT ALLOW RUNOFF TO FLOW DIRECTLY INTO WATERCOURSE OR STORMWATER CONVEYANCE SYSTEMS.
16. SILT FENCE BARRIERS ARE NOT TO BE USED WHERE CONCENTRATED FLOWS OF WATER ARE ANTICIPATED SUCH AS DRAINAGE DITCHES. AROUND INLETS OR ABOVE/ BELOW WHERE CULVERTS DISCHARGE.
17. SYNTHETIC BALES, SANDBAGS OR OTHER APPROVED DEVICE FACED WITH FILTER FABRIC SHALL BE USED IN HIGH VOLUME AREAS TO DECREASE THE RUNOFF VELOCITY AND SHALL BE SECURELY ANCHORED.
18. ALL DEVICES INCLUDING SILT FENCE. FILTER BARRIERS. SYNTHETIC BALES AND/OR SANDBAGS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. CLOSE ATTENTI0N SHALL BE PAID TO THE REPAIR OF DAMAGED BARRIERS. END RUNS AND UNDERCUTTING BENEATH BARRIERS.
19. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
20, SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.

STORM DRAIN INLET PROTECTION:

21. FILTER FABRIC SHALL BE LAID OVER INLETS SO THAT THE FABRIC EXTEND A MINIMUM OF 1 FOOT BEYOND EAST SIDE OF THE INLET STRUCTURE. FILTER FABRIC IN CONFORMANCE WITH F.D.O.T. INDEX 985 OR COMPARABLE SHALL BE USED. IF MORE THAN ONE STRIP OF FABRIC IS NECESSARY, THE STRIPS SHALL BE OVERLAPPED.
22. 2 INCH - 3 INCH COARSE AGGREGATE SHALL BE PLACED OVER THE FILTER FABRIC. THE DEPTH OF STONE SHALL BE AT LEAST 6 INCHES OVER THE ENTIRE INLET OPENING. THE STONE SHALL EXTEND BEYOND THE INLET OPENING AT LEAST 18 INCHES ON ALL SIDES.
23. IF STONE FILTERS BECOME CLOGGED WITH SEDIMENT SO THAT THEY NO LONGER ADEQUATELY PERFORM THEIR FUNCTION, THE STONES MUST BE PULLED AWAY FROM THE INLET, CLEANED AND REPLACED.

POST-CONSTRUCTION SITE PROTECTION:

24. ALL DEWATERING, EROSION AND SEDIMENT CONTROL TO REMAIN IN PLACE AFTER COMPLETION OF CONSTRUCTI0N AND REMOVED ONLY WHEN AREAS HAVE STABILIZED.
25. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER TEMPORARY BARRIERS ARE. NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA IN SUCH A MANNER THAT IT WILL NOT ERODE.
26. ALL DISTURBED AREAS SHALL BE GRASSED, FERTILIZED, MULCHED AND MAINTAINED UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED.
27. SOD SHALL BE PLACED IN AREAS WHICH MAY REQUIRE IMMEDIATE EROSION PROTECTION TO ENSURE WATER QUALITY STANDARDS ARE MAINTAINED.

NOTE:
THE WATER MANAGEMENT DISTRICT FOR THIS PROJECT IS THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (SWFWMD)

NOTE:
WHERE F.D.O.T. SPECS AND INDEX ARE REFERENCED, PLEASE REFER TO F.D.O.T DESIGN STANDARDS FOR DESIGN, CONSTRUCTION MAINTENANCE AND UTILITY OPERATIONS MANUAL LATEST VERSION.

REVISION

REV, DATE AND DESCRIPTION

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MELANIE DELEHANTY SMITH, PE ON THE DATE ADJACENT TO THE SEAL.

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

No. 75447

Digitally signed by Melanie Smith
Date: 2026.04.29 11:45:38-04'00'

MELANIE DELEHANTY SMITH, PE FL #75447
PROFESSIONAL ENGINEER

DATE: 10/2025
DRAWN BY: BL
CHECKED BY: MDS
JOB NO: 2025-025

ALOHA INC, A CONDOMINIUM ASSOCIATION

1329 TARPON CENTER DRIVE
VENICE, FLORIDA

EROSION & SEDIMENT CONTROL DETAILS
SCALE: AS NOTED

Mel-Haven
PASSIONATE ENGINEERING
ADDRESS:
5342 CLARK RD #1182
SARASOTA, FL 34233
PHONE: (941) 468-3742
WWW. MELHAVENENGINEERING.COM

C-810

12

STORMWATER POLLUTION PREVENTION PLAN

OWNER'S REQUIREMENTS

SITE DESCRIPTION

PROJECT NAME AND LOCATION:
NEW DETACHED ACCESSORY GARAGE FOR ALOHA CONDOS
1329 TARPON CENTER DRIVE VENICE, FLORIDA

OWNER NAME AND ADDRESS:
NEW DETACHED ACCESSORY GARAGE FOR ALOHA CONDOS
1329 TARPON CENTER DRIVE VENICE, FLORIDA

DESCRIPTION:

SITE CONSTRUCTION TO SUPPORT RECONFIGURED PARKING AREAS, AND RECONFIGURED DRY POND AREA, LANDSCAPE IMPROVEMENTS, AND MINOR WETLAND IMPACTS

SOIL DISTURBING ACTIVITIES WILL INCLUDE: SITE CLEARING, GRADING, VEGETATION REMOVAL AND BUILDING DEMOLITION CONSTRUCTION OF THE PROPOSED SCHOOL BUILDINGS AND SITE IMPROVEMENTS

RUNOFF CURVE NUMBERS:

1. PRE-CONSTRUCTION = XX
2. DURING CONSTRUCTION = XX
3. POST-CONSTRUCTION = XX

SOILS:

SEE SOIL REPORT

SITE MAPS:

* SEE ATTACHED GRADING PLAN FOR PRE & POST DEVELOPMENT GRADES, AREAS OF SOILS, DISTURBANCE, LOCATION OF SURFACE WATERS, WETLANDS, PROTECTED AREAS, MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS AND STORMWATER DISCHARGE POINTS.

* SEE ATTACHED EROSION & TURBIDITY CONTROL PLAN FOR TEMPORARY STABILIZATION PRACTICES, AND TURBIDITY BARRIERS

* SEE GENERAL NOTES FOR REQUIREMENTS FOR TEMPORARY AND PERMANENT STABILIZATION.

SITE AREA:

1. TOTAL AREA OF SITE = XX ACRES
1. TOTAL AREA TO BE DISTURBED = XX ACRES

NAME OF RECEIVING WATERS:

XXXXXXXXXXXXX

CONTROLS

THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL EROSION AND TURBIDITY CAUSED BY STORMWATER RUN OFF. AN EROSION AND TURBIDITY PLAN HAS BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLACEMENT OF THESE CONTROLS. IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL AND MAINTAIN THE CONTROLS PER PLAN AS WELL AS ENSURING THE PLAN IS PROVIDING THE PROPER PROTECTION AS REQUIRED BY FEDERAL, STATE AND LOCAL LAWS. REFER TO "CONTRACTORS RESPONSIBILITY" FOR A VERBAL DESCRIPTION OF THE CONTROLS THAT MAY BE IMPLEMENTED.

STORMWATER MANAGEMENT

STORMWATER DRAINAGE WILL BE PROVIDED BY (DESCRIPTION:)

MODIFIED COLLECTION, CONVEYANCE, TREATMENT & ATTENUATION SYSTEM FOR THE PROJECT. AREAS WHICH ARE NOT TO BE CONSTRUCTED ON, BUT WILL BE REGRADED SHALL BE STABILIZED IMMEDIATELY AFTER GRADING IS COMPLETE, WHEN CONSTRUCTION IS COMPLETE, A TOTAL OF 2.5 ACRES WILL HAVE BEEN REGRADED & 0.16 ACRES LEFT UNDISTURBED. THE SITE DISCHARGES TO A DRY DETENTION SYSTEM. WHERE PRACTICAL, TEMPORARY SEDIMENT BASINS WILL BE USED TO INTERCEPT SEDIMENT BEFORE ENTERING THE PERMANENT DETENTION BASIN. THE DRY DETENTION SYSTEM IS DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION FOR THIS TYPE OF DEVELOPMENT AT THE TIME IT WAS CONSTRUCTED.

TIMING OF CONTROLS/MEASURES

REFER TO " CONTRACTORS RESPONSIBILITY" FOR THE TIMING OF ONTROL/MEASURES.

CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS RELATED TO STORM WATER MANAGEMENT AND EROSION AND TURBIDITY CONTROLS, THE FOLLOWING

PERMITS HAVE BEEN OBTAINED.

DEP STANDARD GENERAL
STORMWATER PERMIT NO.:

DEP NPDES PERMIT NO.:

OWNER'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNED:______________________________
OWNER / OPERATOR

DATED:______________________________

CONTRACTOR'S REQUIREMENTS

GENERAL

THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS OUTLINED BELOW AND THOSE MEASURES SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN. IN ADDITION THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS. DEPENDING ON THE NATURE OF MATERIALS AND METHODS OF CONSTRUCTION THE CONTRACTOR MAY BE REQUIRED TO ADD FLOCCULANTS TO THE RETENTION SYSTEM PRIOR TO PLACING THE SYSTEM INTO OPERATION.

SEQUENCE OF MAJOR ACTIVITIES

THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE
2. INSTALL SILT FENCES AND HAY BALES AS REQUIRED
3. CLEAR AND GRUB FOR DIVERSION SWALES/DIKES AND SEDIMENT BASIN
4. CONSTRUCT SEDIMENTATION BASIN
5. CONTINUE CLEARING AND GRUBBING
6. STOCK PILE TOP SOIL IF REQUIRED
7. PERFORM PRELIMINARY GRADING ON SITE AS REQUIRED
8. STABILIZE DENUDED AREAS AND STOCKPILES AS SOON AS PRACTICABLE
9. INSTALL STORM SEWER AND IRRIGATION.
10. COMPLETE GRADING AND INSTALL PERMANENT SEEDING/SOD AND PLANTING
11. REMOVE ACCUMULATED SEDIMENT FROM BASINS
12. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE ANY TEMPORARY DIVERSION SWALES/DIKES AND RESEED/SOD AS REQUIRED

TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE SILT FENCES AND HAY BALES, STABILIZED CONSTRUCTION ENTRANCE AND SEDIMENT BASIN WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED PERMANENTLY IN ACCORDANCE WITH THE PLANS. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE SEDIMENT TRAPS AND THE EARTH DIKE/SWALES WILL BE REGRADED/REMOVED AND STABILIZED IN ACCORDANCE WITH THE EROSION & TURBIDITY CONTROL PLAN.

CONTROLS

IT IS THE CONTRACTORS RESPONSIBILITY TO IMPLEMENT THE EROSION AND TURBIDITY CONTROLS AS SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO ENSURE THESE CONTROLS ARE PROPERLY INSTALLED , MAINTAINED AND FUNCTIONING PROPERLY TO PREVENT TURBID OR POLLUTED WATER FROM LEAVING THE PROJECT SITE. THE CONTRACTOR WILL ADJUST THE EROSION AND TURBIDITY CONTROLS SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN AND ADD ADDITIONAL CONTROL MEASURES, AS REQUIRED,TO ENSURE THE SITE MEETS ALL FEDERAL, STATE AND LOCAL EROSION AND TURBIDITY CONTROL REQUIREMENTS. THE FOLLOWING BEST MANAGEMENT PRACTICES WILL BE IMPLEMENTED BY THE CONTRACTOR AS REQUIRED BY THE EROSION AND TURBIDITY CONTROL PLAN AND AS REQUIRED TO MEET THE EROSION AND TURBIDITY REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE REGULATORY AGENCIES.

SPILL PREVENTION

MATERIAL MANAGEMENT PRACTICES

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORMWATER RUNOFF.

GOOD HOUSEKEEPING

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.

* AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.

* ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.

* PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.

* SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.

* WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.

* MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.

* THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE RECEIVE PROPER USE AND DISPOSAL.

STABILIZATION PRACTICES EROSION AND SEDIMENT CONTROLS

1. HAY BALE BARRIER: HAY BALE BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:
   - A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
   - B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.
   - C. WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS.
   - D. EVERY EFFORT SHOULD BE MADE TO LIMIT THE USE OF STRAW BALE BARRIERS CONSTRUCTED IN LIVE STREAMS OR IN SWALES WHERE THERE IS THE POSSIBILITY OF A WASHOUT. IF NECESSARY, MEASURES SHALL BE TAKEN TO PROPERLY ANCHOR BALES TO INSURE AGAINST WASHOUT.

REFER TO CITY STANDARD DETAIL D-913 FOR CONSTRUCTING THE HAY BALE BARRIER. ALSO REFER TO D-901, D-911 AND D-12 FOR PROPER LOCATION, MATERIAL & USAGE.

2. FILTER FABRIC BARRIER: FILTER FABRIC BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:
   - A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
   - B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2. ACRES. REFER TO CITY STANDARD DETAIL D-910 FOR PROPER CONSTRUCTION OF THE FILTER FABRIC BARRIER.
3. BRUSH BARRIER WITH FILTER FABRIC: BRUSH BARRIER MAY BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WHERE ENOUGH RESIDUE MATERIAL IS AVAILABLE ON SITE.
4. LEVEL SPREADER: A LEVEL SPREADER MAY BE USED WHERE SEDIMENT-FREE STORM RUNOFF IS INTERCEPTED AND DIVERTED AWAY FROM THE GRADED AREAS ONTO UNDISTURBED STABILIZED AREAS. THIS PRACTICE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE CONSTRUCTED ON UNDISTURBED SOIL AND THE AREA BELOW THE LEVEL LIP IS STABILIZED. THE WATER SHOULD NOT BE ALLOWED TO RECONCENTRATE AFTER RELEASE. LEVEL SPREADER SHALL BE CONSTRUCTED IN ACCORDANCE TO CITY STANDARD DETAIL D-914.
5. STOCKPILING MATERIAL: NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE INTO ANY ADJACENT WATER BODY OR STORMWATER COLLECTION FACILITY.
6. EXPOSED AREA LIMITATION: THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL NOT EXCEED 10 ACRES. THIS REQUIREMENT MAY BE WAIVED FOR LARGE PROJECTS WITH AN EROSION CONTROL PLAN WHICH DEMONSTRATES THAT OPENING OF ADDITIONAL AREAS WILL NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENTS.
7. INLET PROTECTION: INLETS AND CATCH BASINS WHICH DISCHARGE DIRECTLY OFF-SITE SHALL BE PROTECTED FROM SEDIMENT-LADEN STORM RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.
8. TEMPORARY SEEDING: AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE RE-EXCAVATED OR DRESSED AND RECEIVE FINAL GRASSING TREATMENT WITHIN 30 DAYS SHALL BE SEEDED WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED AND WILL NOT LATER COMPETE WITH THE PERMANENT GRASSING.
9. TEMPORARY SEEDING AND MULCHING: SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN PARAGRAPH 8 ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA ADEQUATE TO PREVENT MOVEMENT OF SEED AND MULCH.
10. TEMPORARY GRASSING: THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED OR HYDROMULCHED OR OTHER SUITABLE METHODS IF REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER. TEMPORARY GRASSING SHALL BE THE SAME MIX & AMOUNT REQUIRED FOR PERMANENT GRASSING IN THE CONTRACT SPECIFICATIONS.
11. TEMPORARY REGRASSING : IF, AFTER 14 DAYS FROM SEEDING, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75 PERCENT GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER.
12. MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.
13. PERMANENT EROSION CONTROL: THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE OFFSITE FACILITIES.
14. PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL, AS A MINIMUM, BE SEEDED. THE SEEDING MIX MUST PROVIDE BOTH LONG-TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION. SLOPES STEEPER THAN 4:1 SHALL BE SEEDED AND MULCHED OR SODDED.

OTHER CONTROLS

WASTE DISPOSAL

WASTE MATERIALS ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. THE DUMPSTER WILL BE EMPTIED AS NEEDED AND THE TRASH WILL BE HAULED TO A STATE APPROVED LANDFILL. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE CONSTRUCTION SITE BY THE CONSTRUCTION SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTE

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE SITE SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES DAY-TO-DAY SITE OPERATIONS,WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

SANITARY WASTE

ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NEEDED TO PREVENT POSSIBLE SPILLAGE. THE WASTE WILL BE COLLECTED AND DEPOSED OF IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS FOR SANITARY SEWER OR SEPTIC SYSTEMS.

OFFSITE VEHICLE TRACKING

A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEPT DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN.

INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:

☐ Concrete
☐ Asphalt
☐ Tar
☐ Detergents
☐ ___________
☐ Fertilizers
☐ Petroleum Based Products
☐ Cleaning Solvents
☐ Paints
☐ ___________
☐ Wood
☐ Masonry Blocks
☐ Roofing Materials
☐ Metal Studs
☐ ___________

STRUCTURAL PRACTICES

1. TEMPORARY DIVERSION DIKE: TEMPORARY DIVERSION DIKES MAY BE USED TO DIVERT RUNOFF THROUGH A SEDIMENT-TRAPPING FACILITY AND IT SHALL BE CONSTRUCTED IN ACCORDANCE TO D-914.
2. TEMPORARY SEDIMENT TRAP: A SEDIMENT TRAP SHALL BE INSTALLED IN AN DRAINAGEWAY AT A STORM DRAIN INLET OR AT OTHER POINTS OF DISCHARGE FROM A DISTURBED AREA. THE FOLLOWING SEDIMENT TRAPS MAY BE CONSTRUCTED EITHER INDEPENDENTLY OR IN CONJUNCTION WITH A TEMPORARY DIVERSION

DIKE:

1. BLOCK & GRAVEL SEDIMENT FILTER - THIS PROTECTION IS APPLICABLE WHERE HEAVY FLOWS AND/OR WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. REFER TO D-902 FOR CONSTRUCTION OF A CURB INLET SEDIMENT FILTER, AND D-904 FOR CONSTRUCTION OF A DROP INLET SEDIMENT FILTER.
2. GRAVEL SEDIMENT TRAP - THIS PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES & UNPROTECTED AREAS. REFER TO D-903 FOR CONSTRUCTION OF CURB INLET & DROP SEDIMENT TRAP.
3. DROP INLET SEDIMENT TRAP - THIS PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA ($S < 5\%$) AND WHERE SHEET OR OVERLAND FLOWS ($Q < 0.5$ CFS) ARE TYPICAL. THIS METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS SUCH AS IN STREET OR HIGHWAY MEDIANS. REFER TO D-905 FOR CONSTRUCTION OF HAY BALE & FABRIC SEDIMENT FILTER.
4. OUTLET PROTECTION: APPLICABLE TO THE OUTLETS OF ALL PIPES AND PAVED CHANNEL SECTIONS WHERE THE FLOW COULD CAUSE EROSION & SEDIMENT PROBLEM TO THE RECEIVING WATER BODY. SILT FENCES & HAY BALES ARE TO BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE DISCHARGING STRUCTURE AS SHOWN ON THE OUTLET PROTECTION DETAIL.
5. SEDIMENT BASIN: WILL BE CONSTRUCTED AT THE COMMON DRAINAGE LOCATIONS THAT SERVE AN AREA WITH 10 OR MORE DISTURBED ACRES AT ONE TIME, THE PROPOSED STORMWATER PONDS (OR TEMPORARY PONDS) WILL BE CONSTRUCTED FOR USE AS SEDIMENT BASINS. THESE SEDIMENT BASINS MUST PROVIDE A MINIMUM OF 3,600 CUBIC FEET OF STORAGE PER ACRE DRAINED UNTIL FINAL STABILIZATION OF THE SITE. THE 3,600 CUBIC FEET OF STORAGE AREA PER ACRE DRAINED DOES NOT APPLY TO FLOWS FROM OFFSITE AREAS AND FLOWS FROM ONSITE AREAS THAT ARE EITHER UNDISTURBED OR HAVE UNDERGONE FINAL STABILIZATION WHERE SUCH FLOWS ARE DIVERTED AROUND BOTH THE DISTURBED AREA AND THE SEDIMENT BASIN. ANY TEMPORARY SEDIMENT BASINS CONSTRUCTED MUST BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL FILL ALL SEDIMENT COLLECTED IN PERMANENT OR TEMPORARY SEDIMENT TRAPS MUST BE REMOVED UPON FINAL

HAZARDOUS PRODUCTS

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

* PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.

* ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.

* IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

PRODUCT SPECIFIC PRACTICES THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:

PETROLEUM PRODUCTS

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FERTILIZERS

FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER. STORAGE WILL BE IN A COVERED AREA. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS

CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE TRUCKS

CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED ON SITE AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.

MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, LIQUID ABSORBENT (i.e. KITTY LITTER OR EQUAL), SAND, SAWDUST, PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

SPILL OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE OF THE SPILL.

THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE/SHE WILL DESIGNATE AT LEAST ONE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IF APPLICABLE, IN THE OFFICE TRAILER ONSITE.

MAINTENANCE/INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES

THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS.

* NO MORE THAN 10 ACRES OF THE SITE WILL BE DENUDED AT ONE TIME WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.

* ALL CONTROL MEASURES WILL BE INSPECTED BY THE SUPERINTENDENT, THE PERSON RESPONSIBLE FOR THE DAY TO DAY SITE OPERATION OR SOMEONE APPOINTED BY THE SUPERINTENDENT, AT LEAST ONCE A WEEK AND FOLLOWING ANY STORM EVENT OF 0.25 INCHES OR GREATER.

* ALL TURBIDITY CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.

* BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.

* SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.

* DIVERSION DIKES/SWALES WILL BE INSPECTED AND ANY

MAINTENANCE/INSPECTION PROCEDURES

* THE SEDIMENT BASINS WILL BE INSPECTED FOR THE DEPTH OF SEDIMENT AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB, WHICHEVER COMES FIRST.

* TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

* A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. A COPY OF THE REPORT FORM TO BE COMPLETED BY THE INSPECTOR IS ATTACHED. THE REPORTS WILL BE KEPT ON SITE DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER, ENGINEER OR ANY FEDERAL, STATE OR LOCAL AGENCY APPROVING SEDIMENT AND AND EROSION PLANS, OR STORMWATER MANAGEMENT PLANS. THE REPORTS SHALL BE MADE AND RETAINED AS PART OF THE WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE NOTICE OF TERMINATION IS SUBMITTED THE REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE.

* THE SITE SUPERINTENDENT WILL SELECT UP TO THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.

* PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE. SUPERINTENDENT. THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER.

NON-STORMWATER DISCHARGES

IT IS EXPECTED THAT THE FOLLOWING NON-STORMWATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

* WATER FROM WATER LINE FLUSHING

*PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).

* UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION).

ALL NON-STORMWATER DISCHARGE WILL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE.

CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND THAT AUTHORIZES THE STORM CONDITIONS OF THE FDEP GENERIC PERMIT WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

RESPONSIBLE FOR/DUTIES	BUSINESS NAME AND ADDRESS OF CONTRACTOR & ALL SUBS	SIGNATURE
GENERAL CONTRACTOR		
SUB-CONTRACTOR		
SUB-CONTRACTOR		
SUB-CONTRACTOR		
SUB-CONTRACTOR		

NOTE: SITE CONTRACTOR SHALL APPLY FOR AND OBTAIN A GENERIC PERMIT FROM THE FDEP AND PERFORM ALL REQUIREMENTS AND TASKS THEREOF.

REV, DATE AND DESCRIPTION | REVISION

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MELANIE DELEHANTY SMITH, PE ON THE DATE ADJACENT TO THE SEAL.

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

No. 75447

Digitally signed by Melanie Smith
Date: 2026.04.29 11:45:26-04'00'

MELANIE DELEHANTY SMITH, PE FL #75447
PROFESSIONAL ENGINEER

DATE: 10/2025
DRAWN BY: BL
CHECKED BY: MDS
JOB NO: 2025-025

ALOHA INC, A CONDOMINIUM ASSOCIATION

1329 TARPON CENTER DRIVE
VENICE, FLORIDA

STORMWATER POLLUTION
PREVENTION PLAN NOTES
SCALE: AS NOTED

Mel-Haven
PASSIONATE ENGINEERING
ADDRESS:
5342 CLARK RD #1182
SARASOTA, FL 34233
PHONE: (941) 468-3742
WWW. MELHAVENENGINEERING.COM

C-820