

CONSTRUCTION PLANS FOR



PUNTA RASSA BOAT RAMP IMPROVEMENTS

SECTION 09, TOWNSHIP 46 S., RANGE 23 E. LEE COUNTY, FLORIDA

UTILITIES PROVIDING SERVICE:

WATER AND SEWER:

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

TELEPHONE:

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

CABLE:

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

ELECTRIC:

LEE COUNTY ELECTRIC COOPERATIVE
4980 BAYLINE DRIVE
FORT MYERS, FLORIDA 33917
PHONE: (239) 656-2300
FAX: (239) 995-4287

GARBAGE COLLECTION:

WASTE MANAGEMENT
11990 STATE ROAD 82
FORT MYERS, FLORIDA 33913
PHONE: (239) 334-1224

FIRE CONTROL DISTRICT:

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

GAS:

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

OWNER / DEVELOPER

LEE COUNTY
PO BOX 398
FORT MYERS FL 33902
PHONE: (239) 533-2111

STRAP NUMBER

09-46-23-00-00002.0060

ZONING

AG-2 (LCO)

SITE ADDRESS

18700 MCGREGOR BLVD
FORT MYERS FL 33908

THIS IS TO CERTIFY THAT THESE PLANS AND THE ASSOCIATED CONSTRUCTION PROJECT ARE IN SUBSTANTIAL COMPLIANCE WITH THE LEE COUNTY LAND DEVELOPMENT CODE WITH THE EXCEPTION OF THE FOLLOWING DEVIATIONS WHICH HAVE BEEN APPROVED BY THE ASSISTANT COUNTY MANAGER.

DEVIATIONS: NONE

FLORIDA P.E. #: 82277

ENGINEER SIGNATURE _____ DATE _____

DEVELOPMENT ORDER APPROVED:
LEE COUNTY ADMINISTRATION

MARC MORA _____ DATE _____
ASSISTANT COUNTY MANAGER

NOTICE TO ALL CONTRACTORS

IT'S THE LAW IN FLORIDA
2 BUSINESS DAYS BEFORE
YOU DIG
CALL SUNSHINE
1-800-432-4770

STATE, COUNTIES & CITIES
ARE "NOT" PART OF THE
ONE CALL SYSTEM THEY
MUST BE CALLED
INDIVIDUALLY.



JOHNSON ENGINEERING

— An Apex Company —

REGISTERED PROFESSIONAL ENGINEER
FLORIDA LICENSE NO. 82277

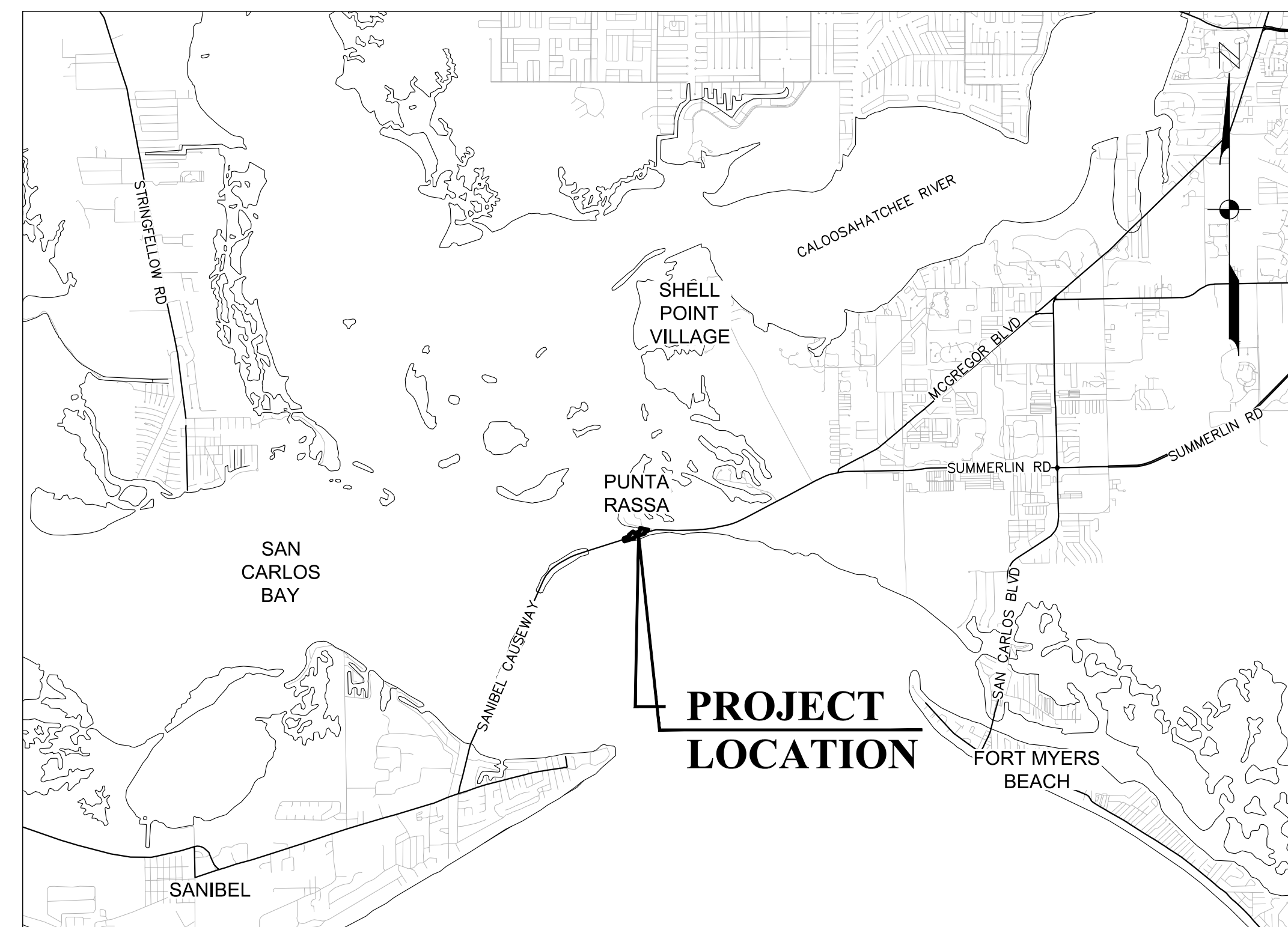
TYLER M. SHARPE, PE

DATE _____

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

INDEX OF PLANS

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C03	AERIAL PHOTOGRAPH MAP
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C13	FISH CLEANING STATION SHADE STRUCTURE DETAILS



LOCATION MAP

0 6,000 12,000
(INTENDED DISPLAY SCALE: 1"=6,000')

DECEMBER 2024

BID DOCUMENTS

SHEET NUMBER
C01

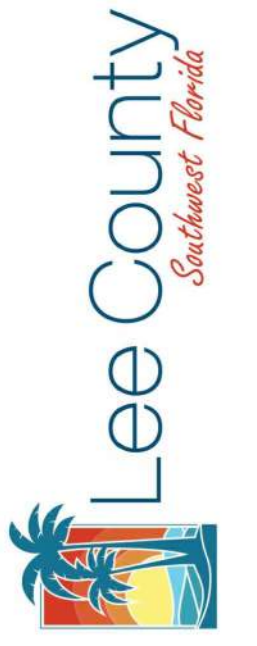
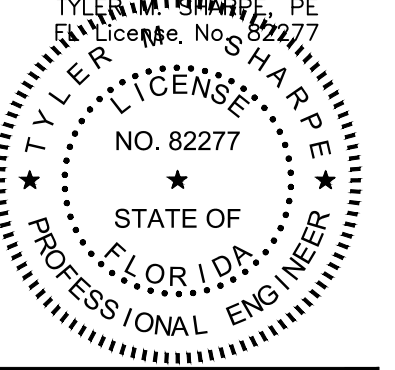


AERIAL PHOTOGRAPH SOURCE: LEE COUNTY - FLIGHT YEAR 2024
 \\FTMS01\Drawings\2024\20247063-000\Engineering\Drawings\DO\247063-000-AERIAL.dwg (C03 AERIAL PHOTOGRAPH MAP) LJC Dec 12, 2024 - 11:30am

JOHNSON ENGINEERING
 — An Apex Company —
 JOHNSON ENGINEERING, LLC.
 2122 JOHNSON STREET
 FORT MYERS, FLORIDA 33901
 PHONE: (239) 334-0046
 E.R. #642 & L.B. #642

WEC *science in engineering*
 WEILER ENGINEERING CORPORATION
 201 WEST MARKON AVE SUITE 1306
 PUNTA GORDA, FLORIDA 33950
 PHONE: (941) 505-1700

ATLC ENGINEERING SOLUTIONS
 TLC ENGINEERING SOLUTIONS
 255 S ORANGE AVE, SUITE 1600
 ORLANDO, FL 32801
 PHONE: (407) 841-9550



PUNTA RASSA BOAT RAMP IMPROVEMENTS
 LEE COUNTY, FLORIDA

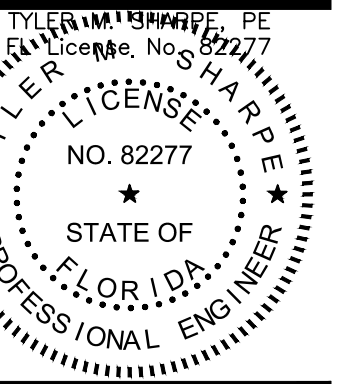
NO.	DESCRIPTION	DATE

DATE: DECEMBER 2024
 PROJECT NO. 20247063-000
 FILE NO. 09-46-23
 SCALE: AS SHOWN

AERIAL PHOTOGRAPH MAP

BID DOCUMENTS

SHEET NUMBER
C03



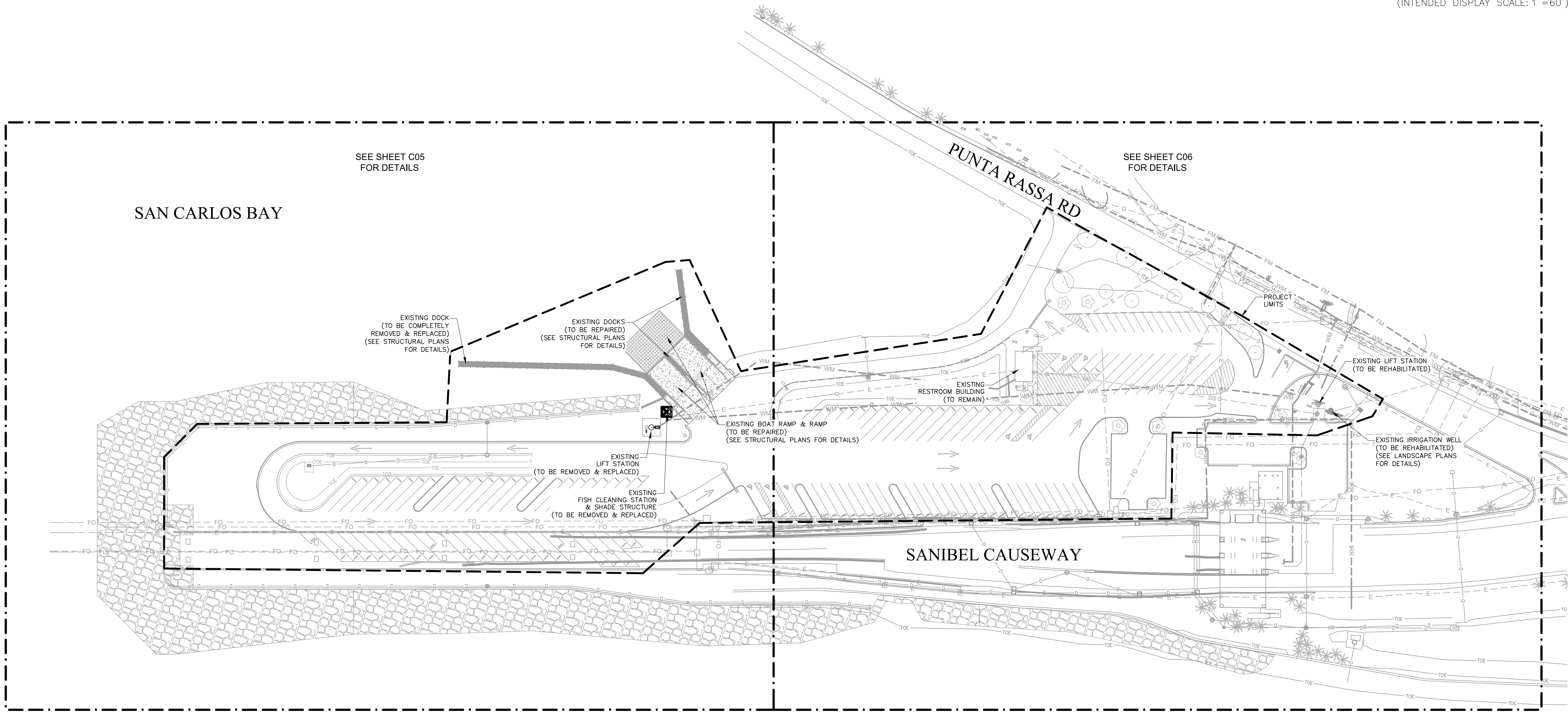
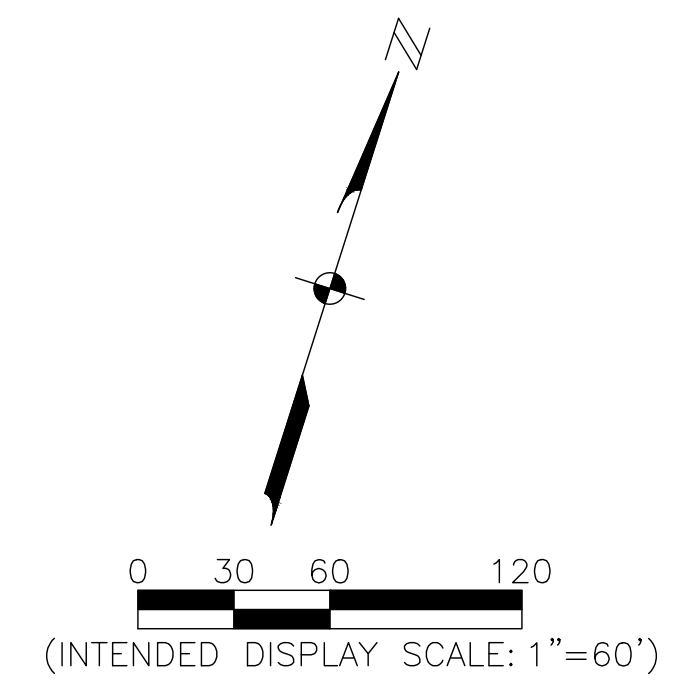
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MASTER SITE, SIGNING & MARKING PLAN

SHEET NUMBER
C04



SEE SHEET C05 FOR DETAILS

SEE SHEET C06 FOR DETAILS

SAN CARLOS BAY

PUNTA RASSA RD

SANIBEL CAUSEWAY

GULF OF MEXICO

- NOTES:**
- THIS PROJECT ONLY CONSISTS OF THE RECONSTRUCTION & REHABILITATION OF THE SITE UTILITIES, SIGNING/MARKING, ELECTRICAL, PHOTOMETRICS, LANDSCAPING, IRRIGATION, DOCKS & FISH CLEANING STATION/SHADE STRUCTURE.
 - ALL SEA WALL, CANAL DREDGING, PARKING LOT RECONSTRUCTION & DRAINAGE WORK PERFORMED UNDER SEPARATE PROJECT.

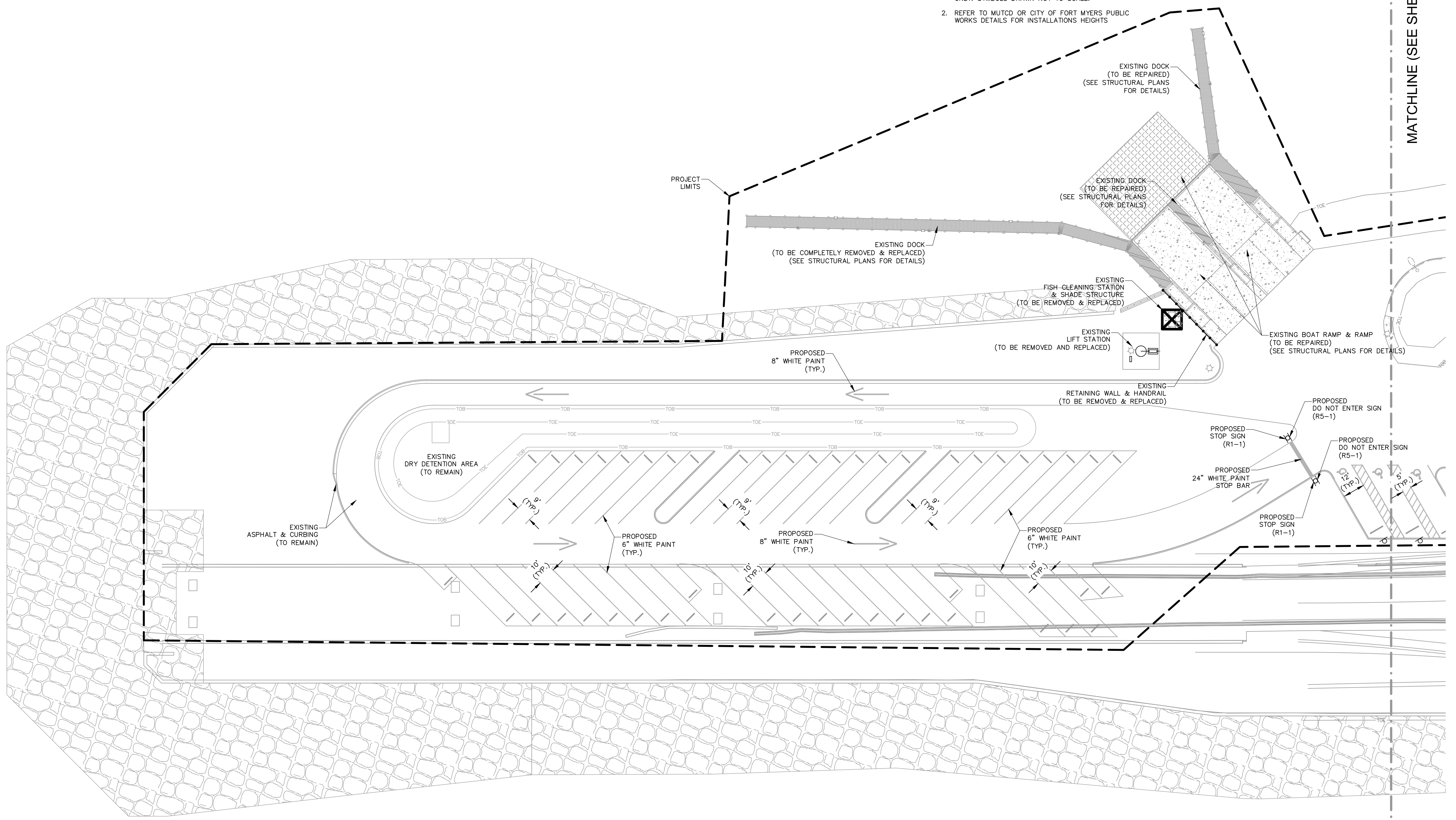
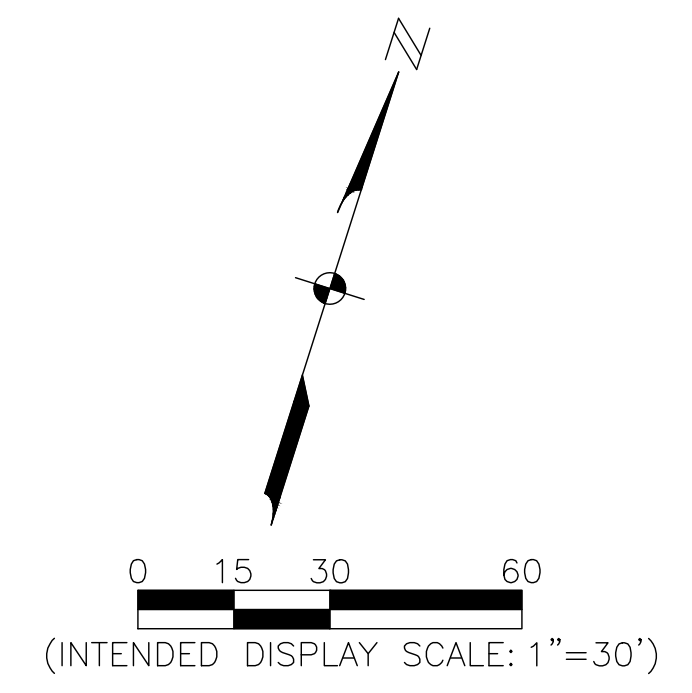
BID DOCUMENTS

SAN CARLOS BAY

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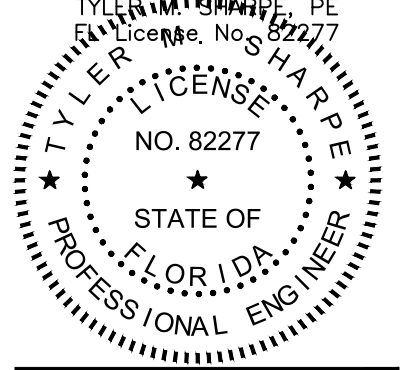
SYMBOL	NAME	DIMENSIONS
	R1-1	2.5' x 2.5'
	FTP-20-04	1' x 1.5'
	FTP-22-04	1' x 0.5'
	R5-1	2.5' x 2.5'

- NOTE:**
- SYMBOLS SHOWN FOR VISUAL REPRESENTATION ONLY. SYMBOLS DRAWN NOT TO SCALE.
 - REFER TO MUTCD OR CITY OF FORT MYERS PUBLIC WORKS DETAILS FOR INSTALLATIONS HEIGHTS



GULF OF MEXICO

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SITE, SIGNING & MARKING PLAN

SHEET NUMBER
C05

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SITE, SIGNING & MARKING PLAN

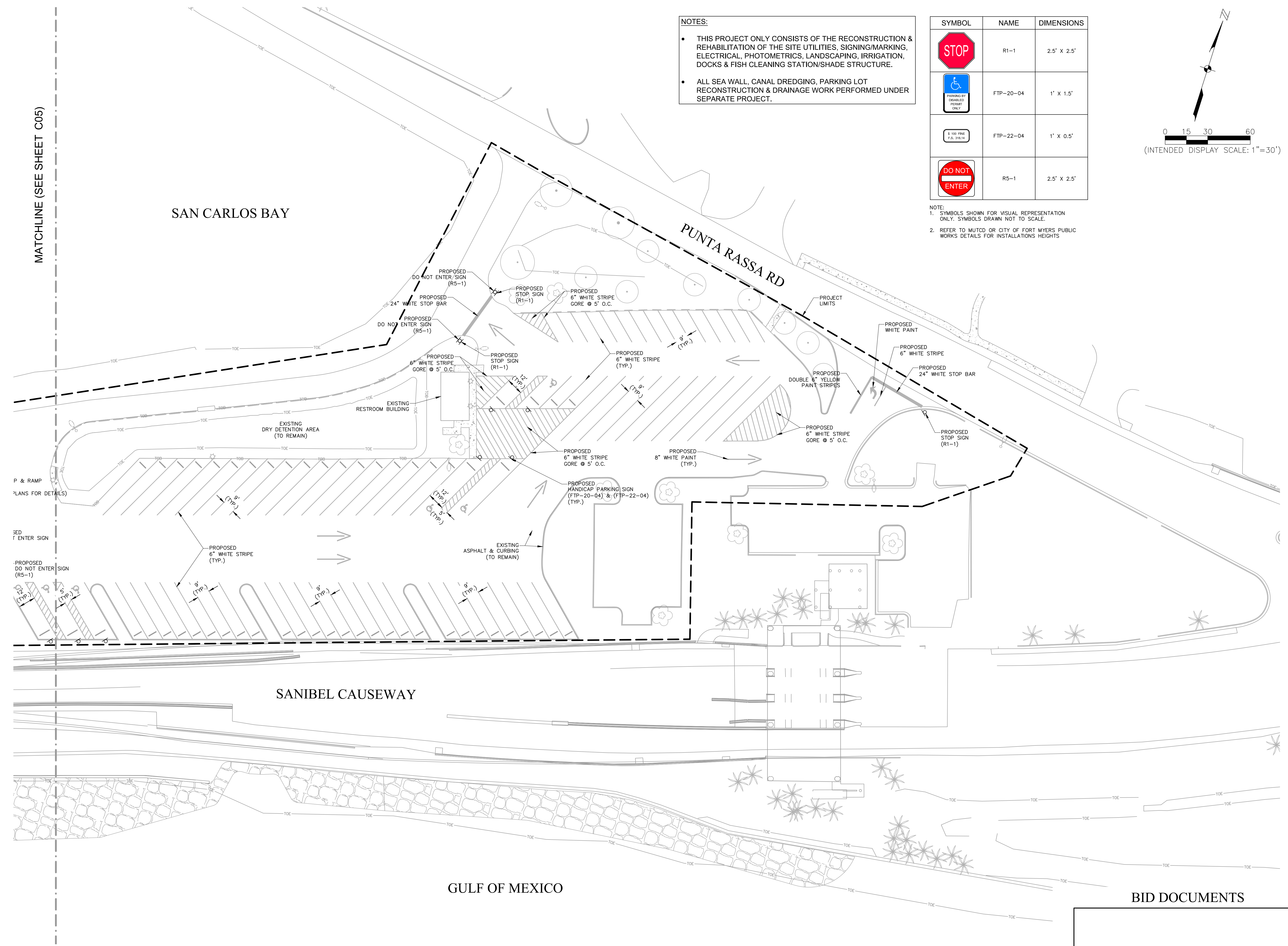
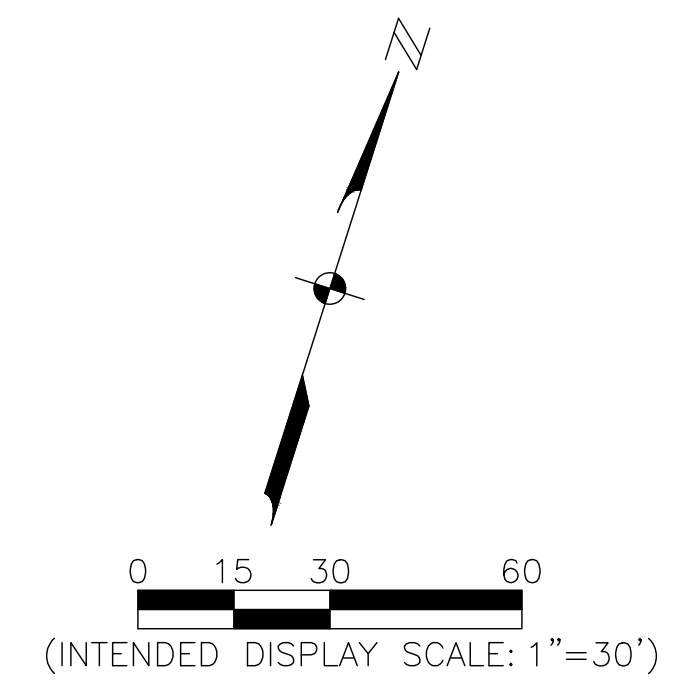
SHEET NUMBER
C06

SYMBOL	NAME	DIMENSIONS
	R1-1	2.5' X 2.5'
	FTP-20-04	1' X 1.5'
	FTP-22-04	1' X 0.5'
	R5-1	2.5' X 2.5'

NOTE:
1. SYMBOLS SHOWN FOR VISUAL REPRESENTATION ONLY. SYMBOLS DRAWN NOT TO SCALE.
2. REFER TO MUTCD OR CITY OF FORT MYERS PUBLIC WORKS DETAILS FOR INSTALLATIONS HEIGHTS

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MATCHLINE (SEE SHEET C05)

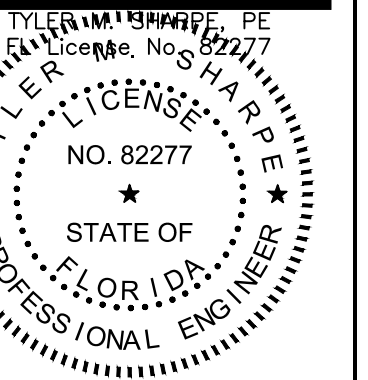
SAN CARLOS BAY

PUNTA RASSA RD

SANIBEL CAUSEWAY

GULF OF MEXICO

BID DOCUMENTS



PUNTA RASSA BOAT RAMP IMPROVEMENTS
LEE COUNTY, FLORIDA

NO.	DESCRIPTION	DATE

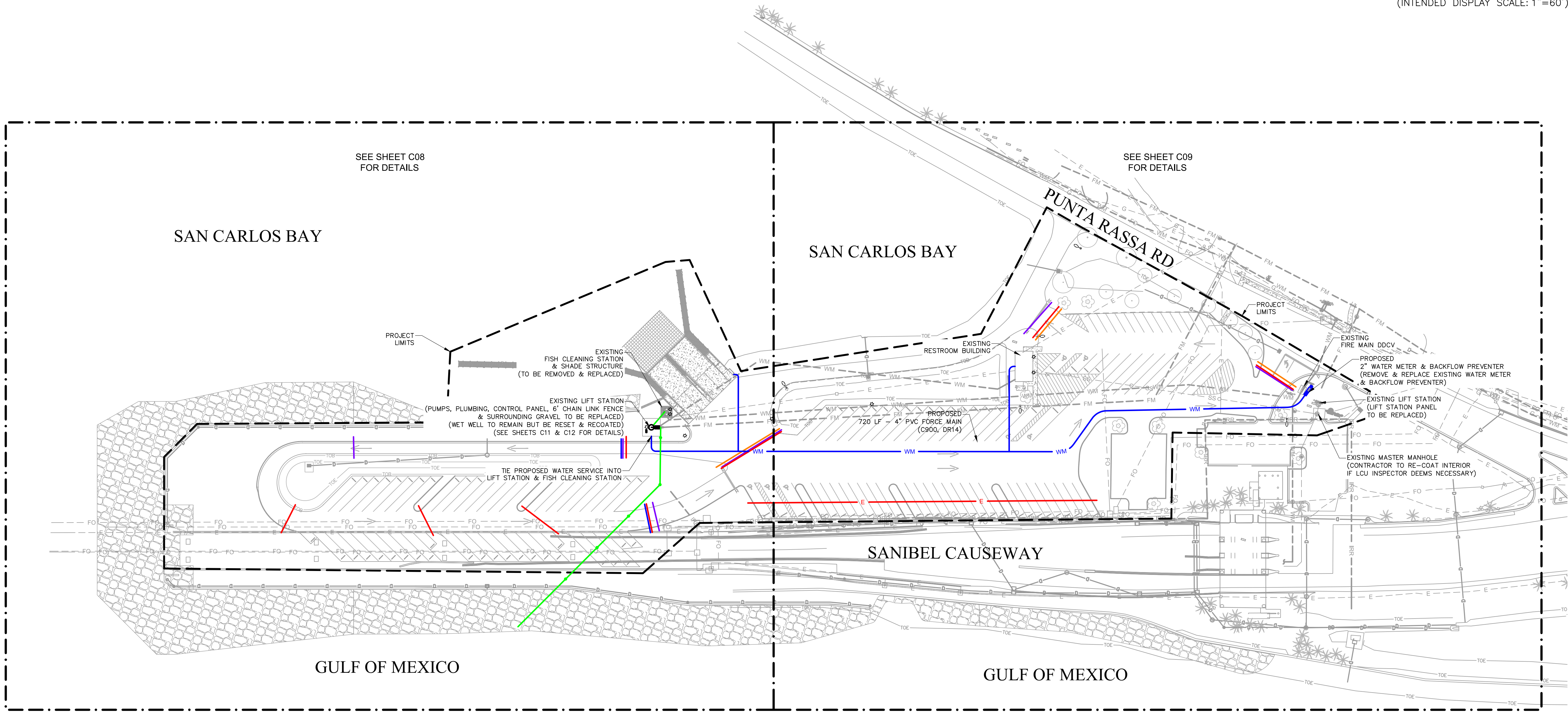
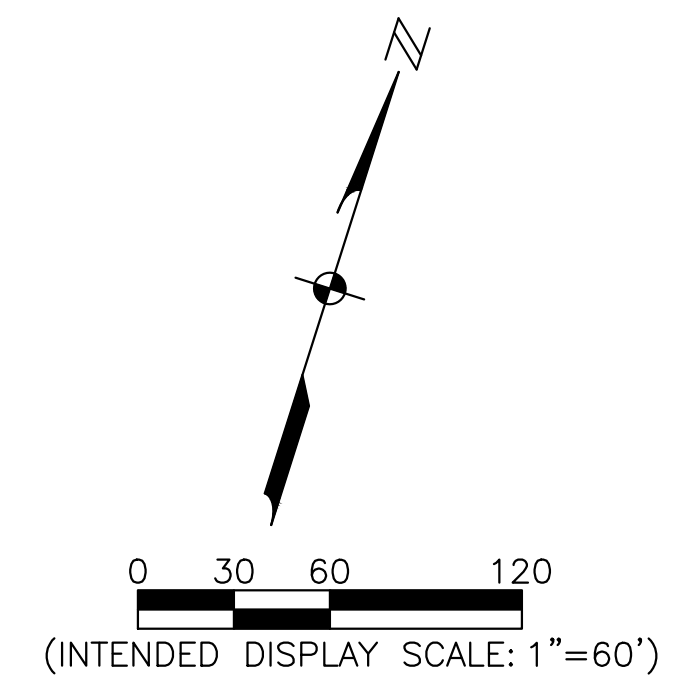
DATE: DECEMBER 2024
PROJECT NO. 20247063-000
FILE NO. 09-46-23
SCALE: AS SHOWN

MASTER UTILITY PLAN

SHEET NUMBER

C07

LEGEND	
	ELECTRICAL CONDUIT
	SEWER MAIN
	WATER LINE
	MISCELLANEOUS CONDUIT
	IRRIGATION LINE (SEE LANDSCAPE CODE PLANS FOR DETAILS)



SEE SHEET C08 FOR DETAILS

SEE SHEET C09 FOR DETAILS

SAN CARLOS BAY

SAN CARLOS BAY

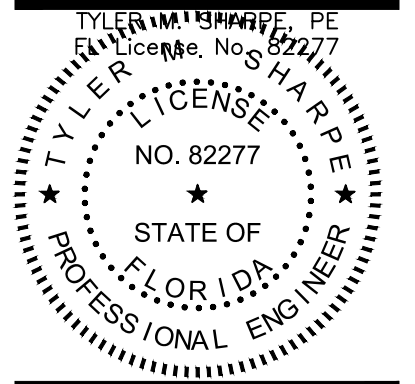
PUNTA RASSA RD

SANIBEL CAUSEWAY

GULF OF MEXICO

GULF OF MEXICO

BID DOCUMENTS



PUNTA RASSA BOAT RAMP IMPROVEMENTS
LEE COUNTY, FLORIDA

NO.	DATE	DESCRIPTION

DATE: DECEMBER 2024
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FILE NO. 09-46-23
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UTILITY PLAN

SHEET NUMBER

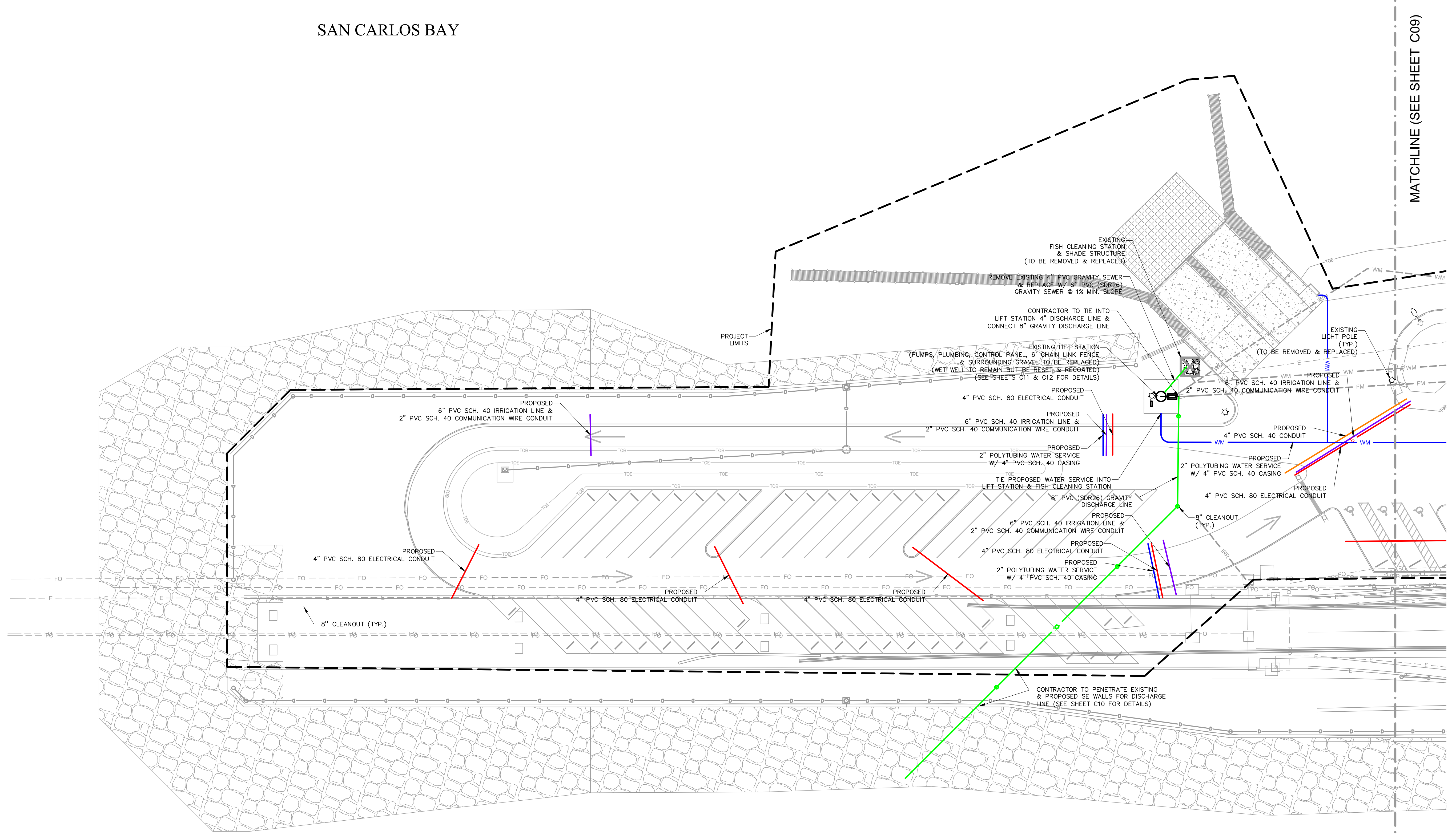
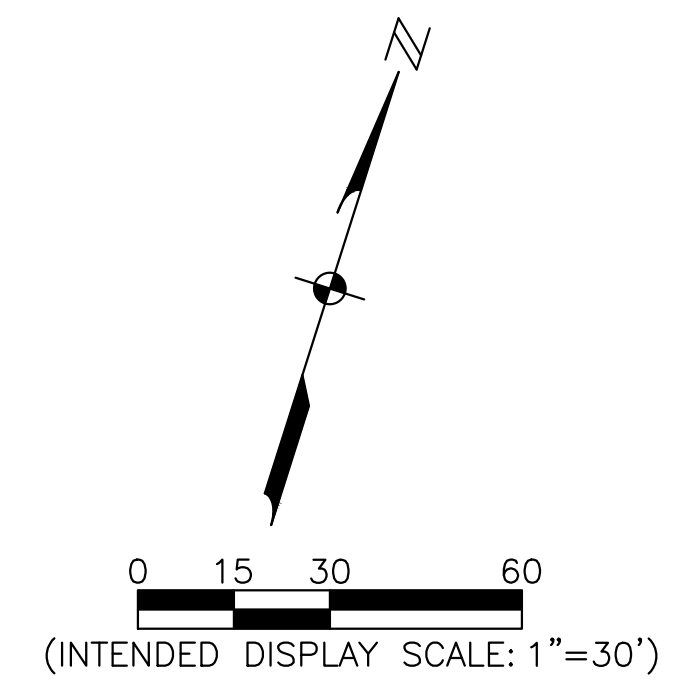
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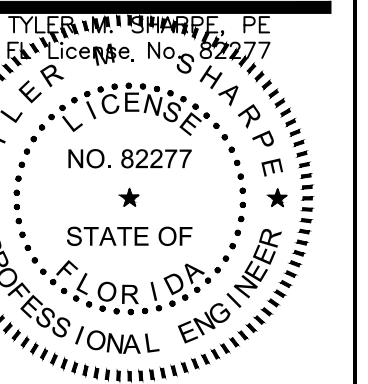
SAN CARLOS BAY

GULF OF MEXICO

LEGEND	
	ELECTRICAL CONDUIT
	SEWER MAIN
	WATER LINE
	MISCELLANEOUS CONDUIT
	IRRIGATION LINE (SEE LANDSCAPE CODE PLANS FOR DETAILS)

- NOTES:**
- ALL CONDUITS SHALL MAINTAIN A MINIMUM 3' OF COVER THROUGHOUT PAVEMENT CROSSINGS
 - ALL CONDUITS SHALL TERMINATE 5' BEYOND BACK OF CURB OR PAVEMENT
 - ALL CONDUITS SHALL BE CAPPED AT THE ENDS & END LOCATIONS SHALL BE STAKED AND CLEARLY MARKED
 - ALL CONDUITS SHALL HAVE NYLON PULL STRING WITHIN THEM FOR FUTURE INSTALLMENT WITHIN CONDUITS
- SEE ELECTRICAL PLANS FOR ELECTRICAL DETAILS
- SEE LANDSCAPE CODE PLANS FOR IRRIGATION DETAILS





PUNTA RASSA BOAT RAMP IMPROVEMENTS
LEE COUNTY, FLORIDA

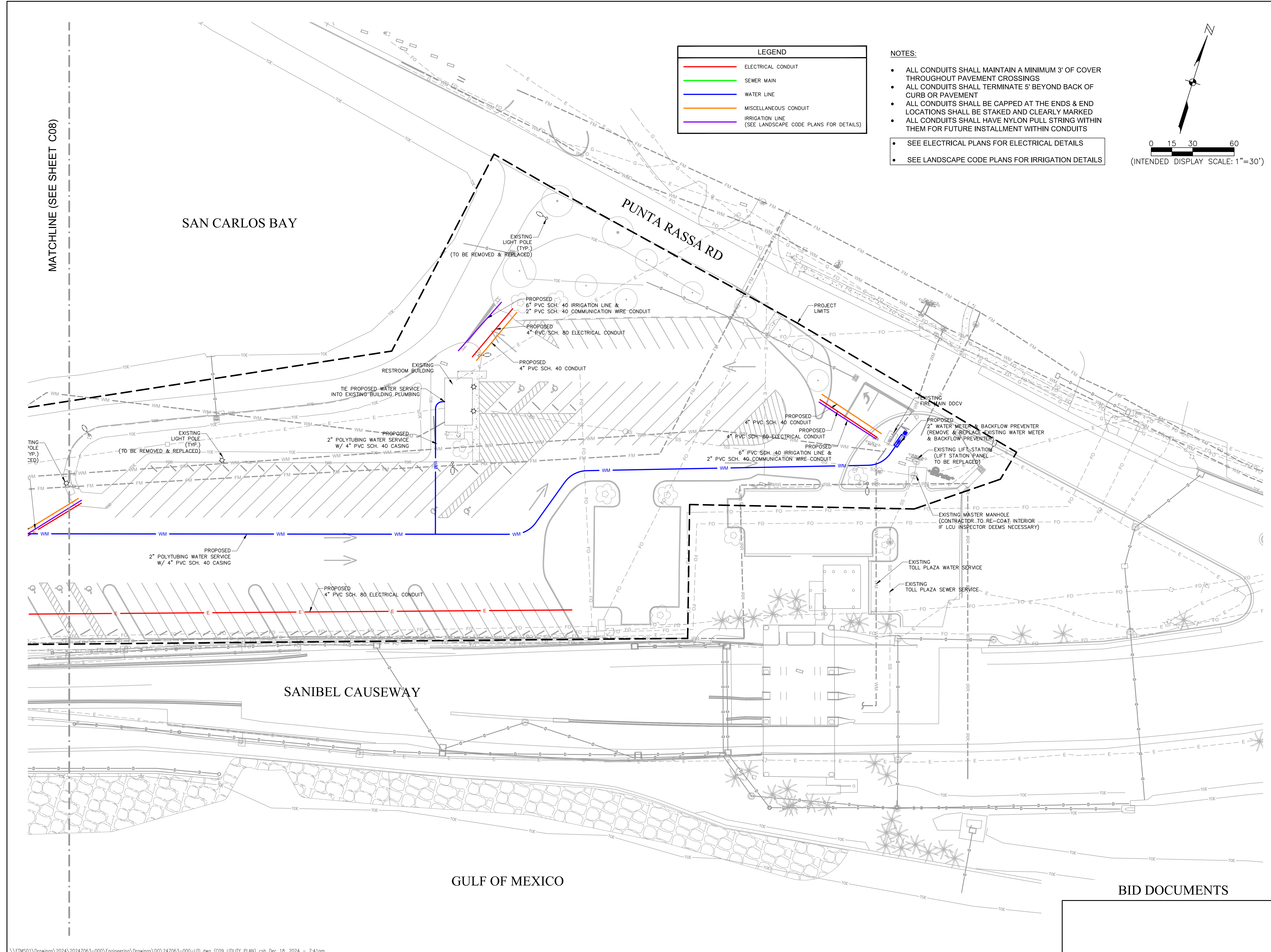
NO.	DESCRIPTION	DATE

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UTILITY PLAN

SHEET NUMBER

C09



MATCHLINE (SEE SHEET C08)

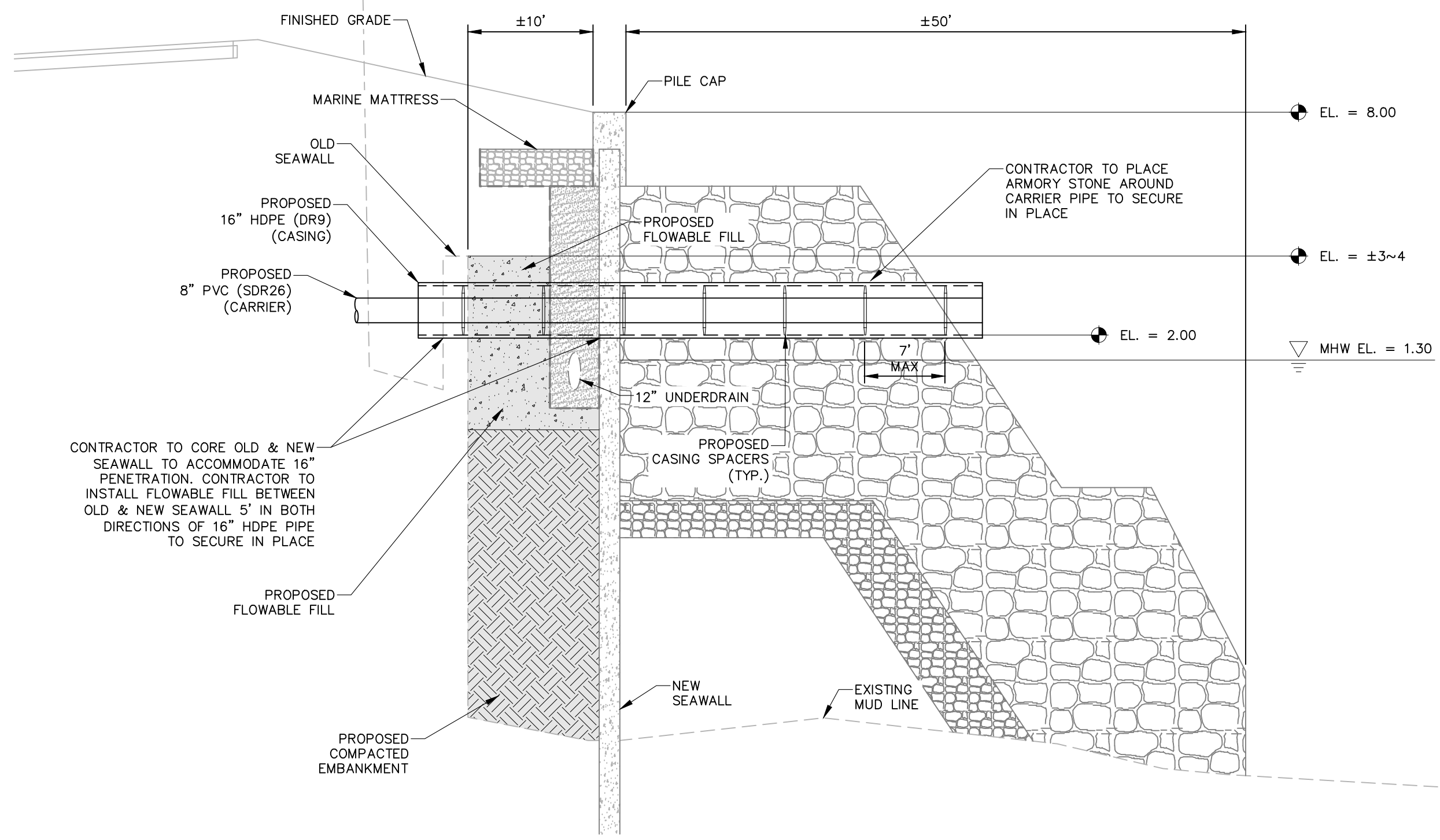
SAN CARLOS BAY

PUNTA RASSA RD

SANIBEL CAUSEWAY

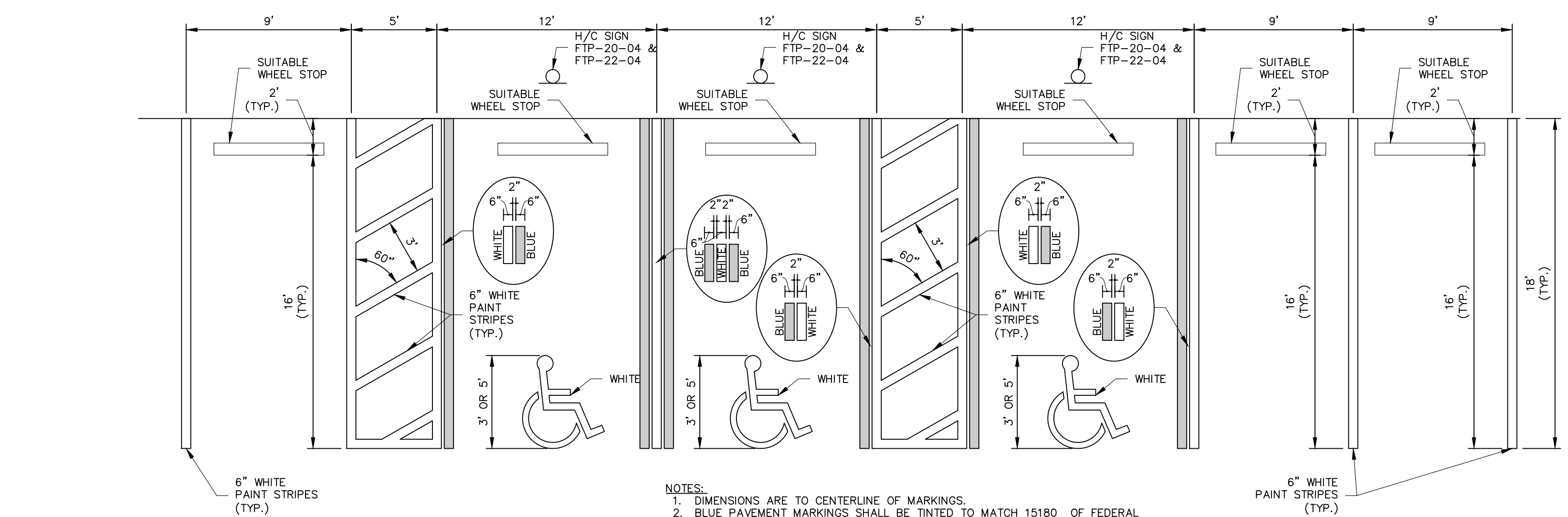
GULF OF MEXICO

BID DOCUMENTS

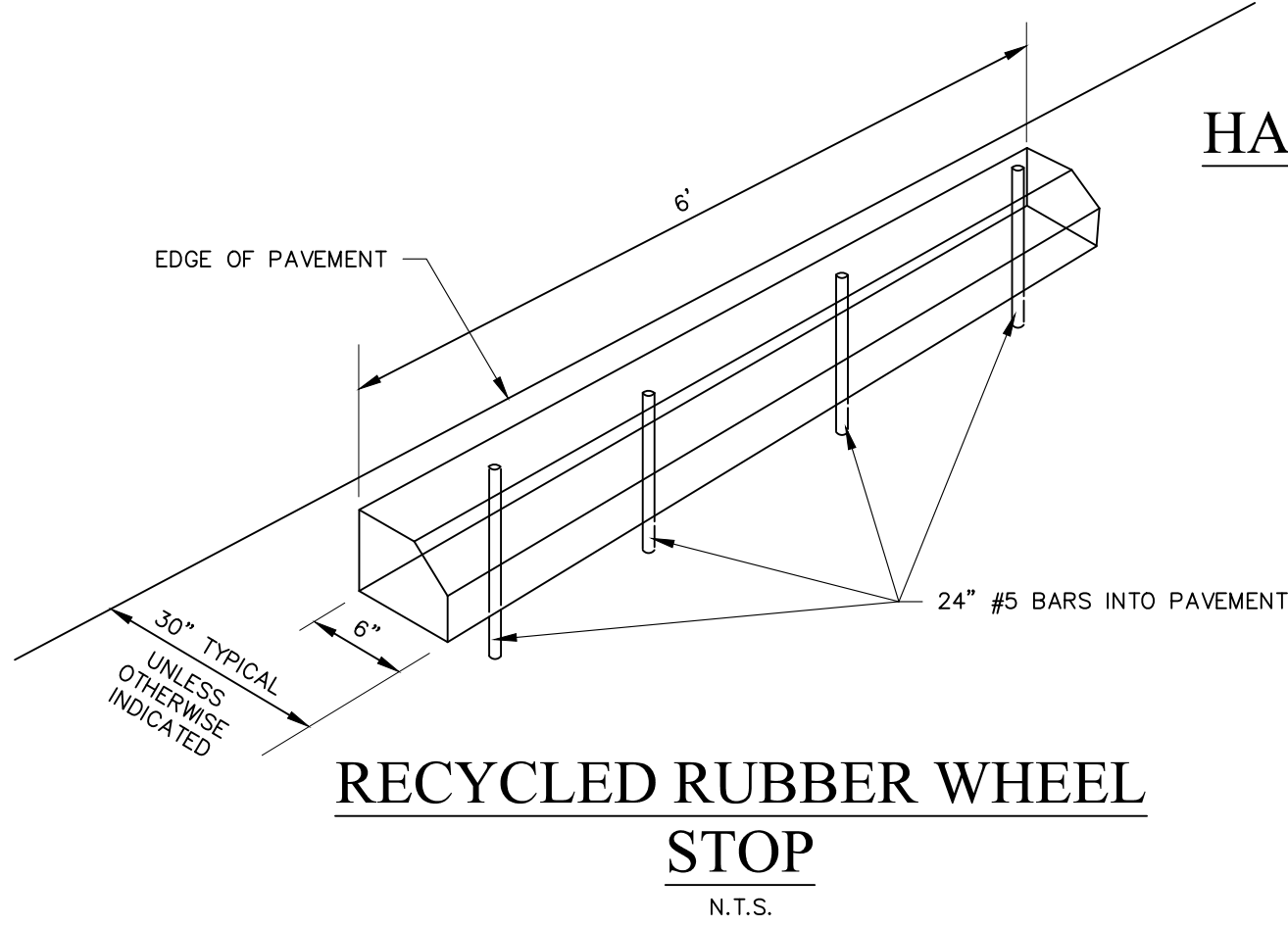


SEAWALL PENETRATION DETAIL
N.T.S.

ALL ELEVATIONS ARE REFERENCE TO NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988, UNLESS OTHERWISE NOTED. CONVERSION TO NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929 IS: NAVD 1988 + 1.17 = NGVD 1929.

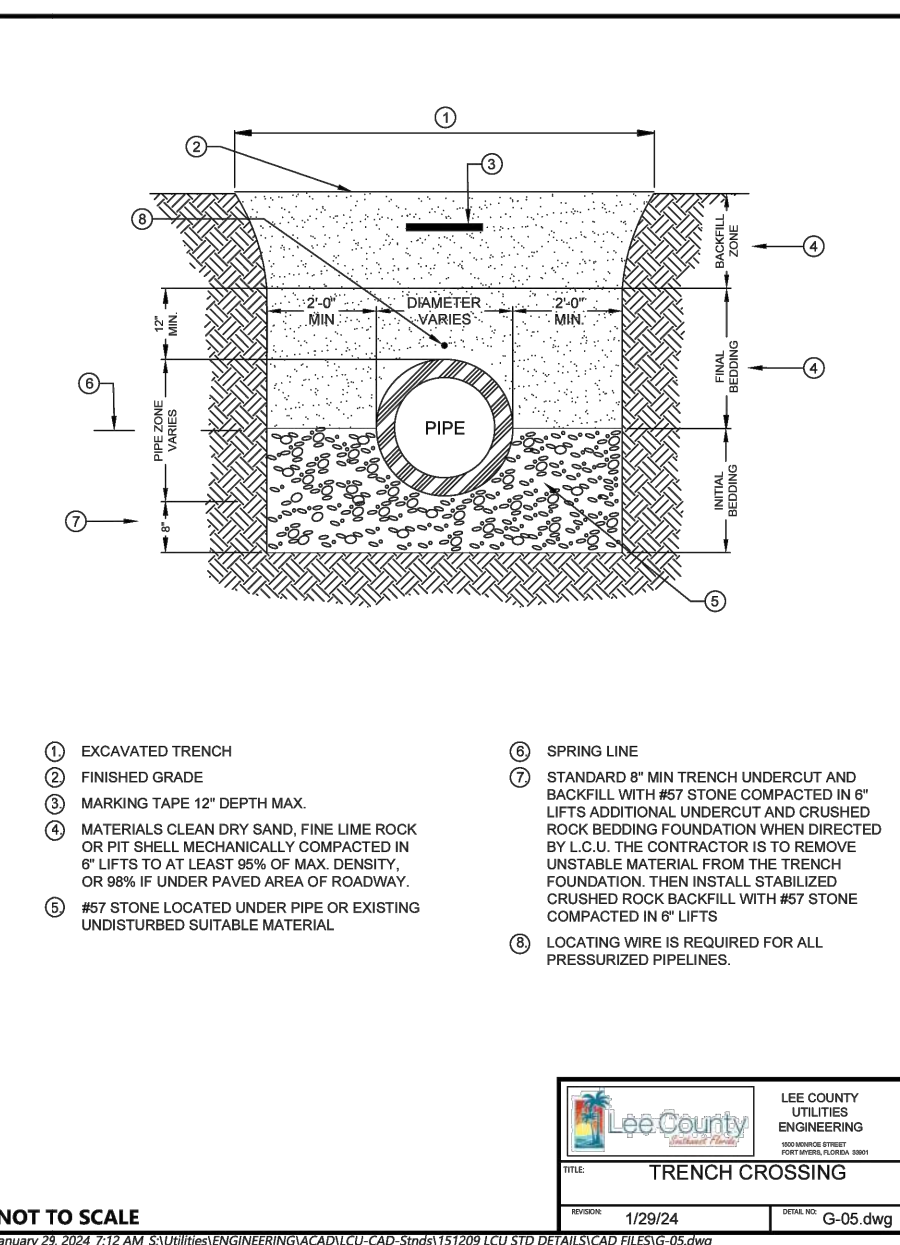


HANDICAP / STANDARD PARKING DETAIL
N.T.S.

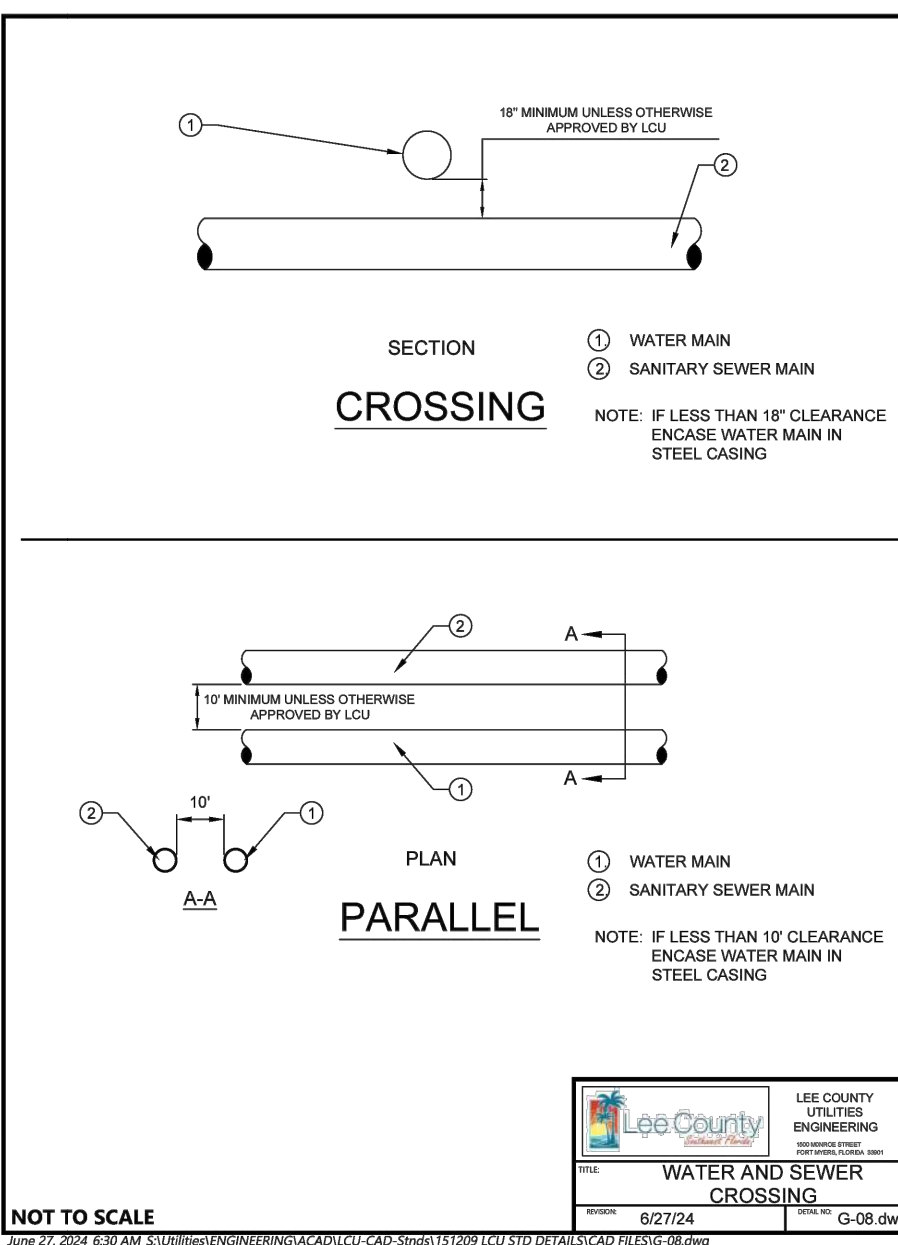


RECYCLED RUBBER WHEEL STOP
N.T.S.

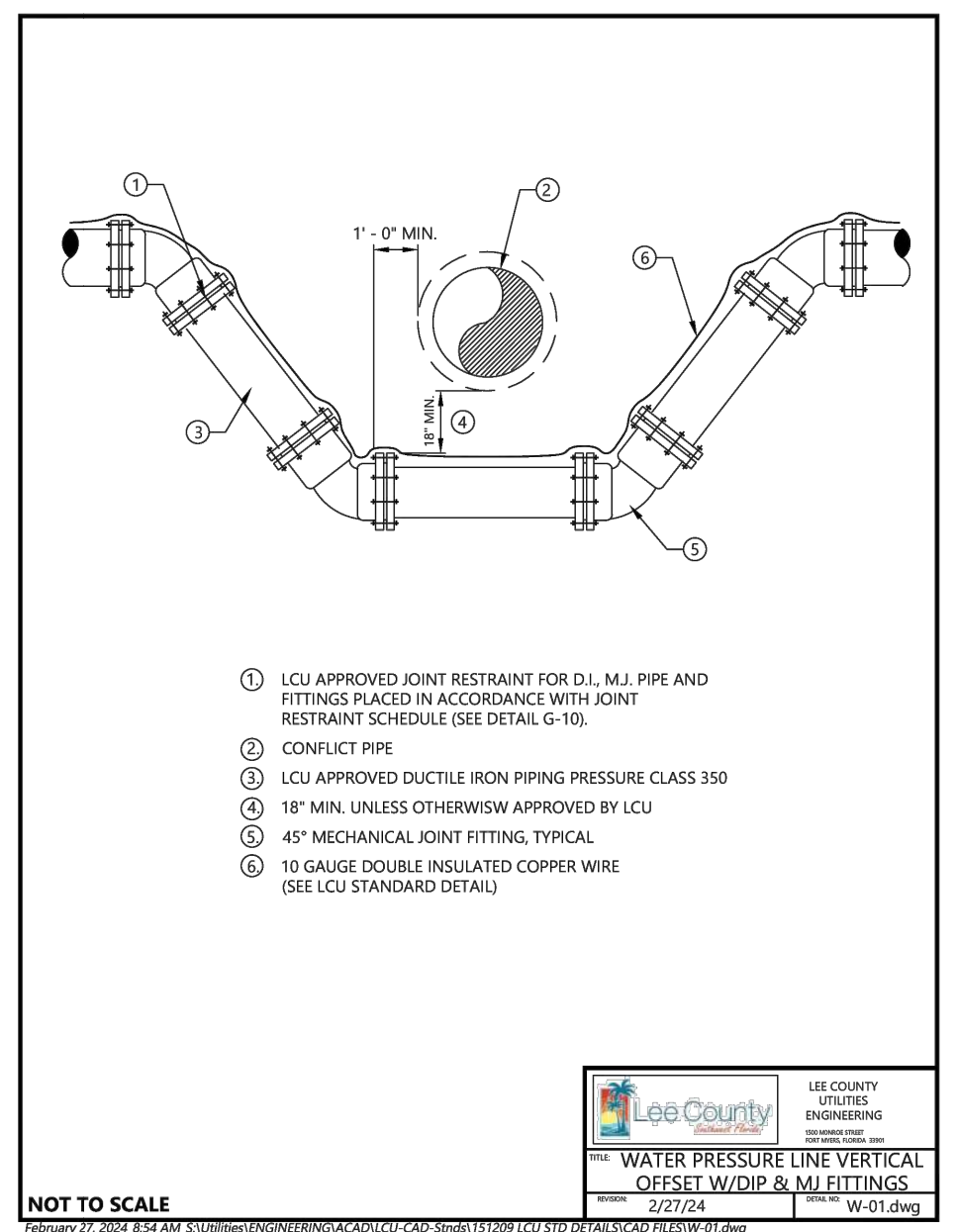
- NOTES:
1. DIMENSIONS ARE TO CENTERLINE OF MARKINGS.
 2. BLUE PAVEMENT MARKINGS SHALL BE TINTED TO MATCH 15180 OF FEDERAL STANDARDS 595a.
 3. PARKING SPACES MUST BE DELINEATED BY ALL-WEATHER PAINTED LINES, OR THERMOPLASTIC STRIPING, NOT LESS THAN FOUR INCHES IN WIDTH, CENTERED ON THE DIVIDING LINE BETWEEN SPACES.
 4. THE FTP-22-04 PANEL SHALL BE MOUNTED BELOW THE FTP-20-04 SIGN.
 5. HANDICAP SIGNAGE (FTP-20-04 & FTP-22-04) SHALL BE PLACE OUTSIDE OF ANY PEDESTRIAN PATHS, CURBS OR PAVEMENT.



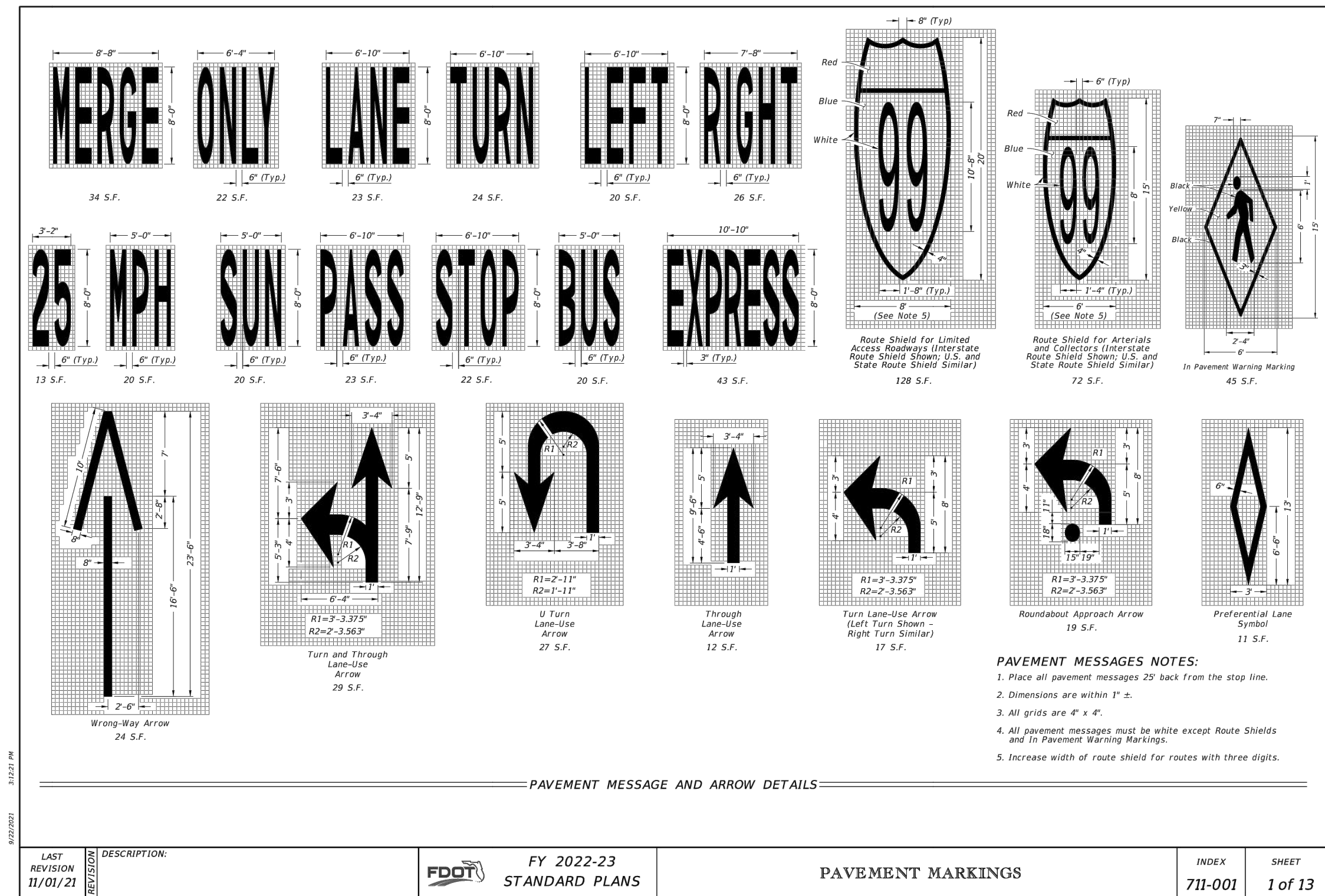
TRENCH CROSSING
1/29/24 G-05.dwg



WATER AND SEWER CROSSING
8/27/24 G-08.dwg



WATER PRESSURE LINE VERTICAL OFFSET W/DP & MJ FITTINGS
2/27/24 W-01.dwg



PAVEMENT MESSAGE AND ARROW DETAILS
FY 2022-23 STANDARD PLANS
PAVEMENT MARKINGS
711-001 1 of 13

THIS DRAWING CONTAINS DETAILS DESIGNED BY, STANDARD TO, AND FURNISHED BY LEE COUNTY UTILITIES SAID DETAILS WERE NOT DESIGNED BY JOHNSON ENGINEERING.

THIS DRAWING CONTAINS DETAILS DESIGNED BY, STANDARD TO, AND FURNISHED BY FLORIDA DEPARTMENT OF TRANSPORTATION SAID DETAILS WERE NOT DESIGNED BY JOHNSON ENGINEERING.

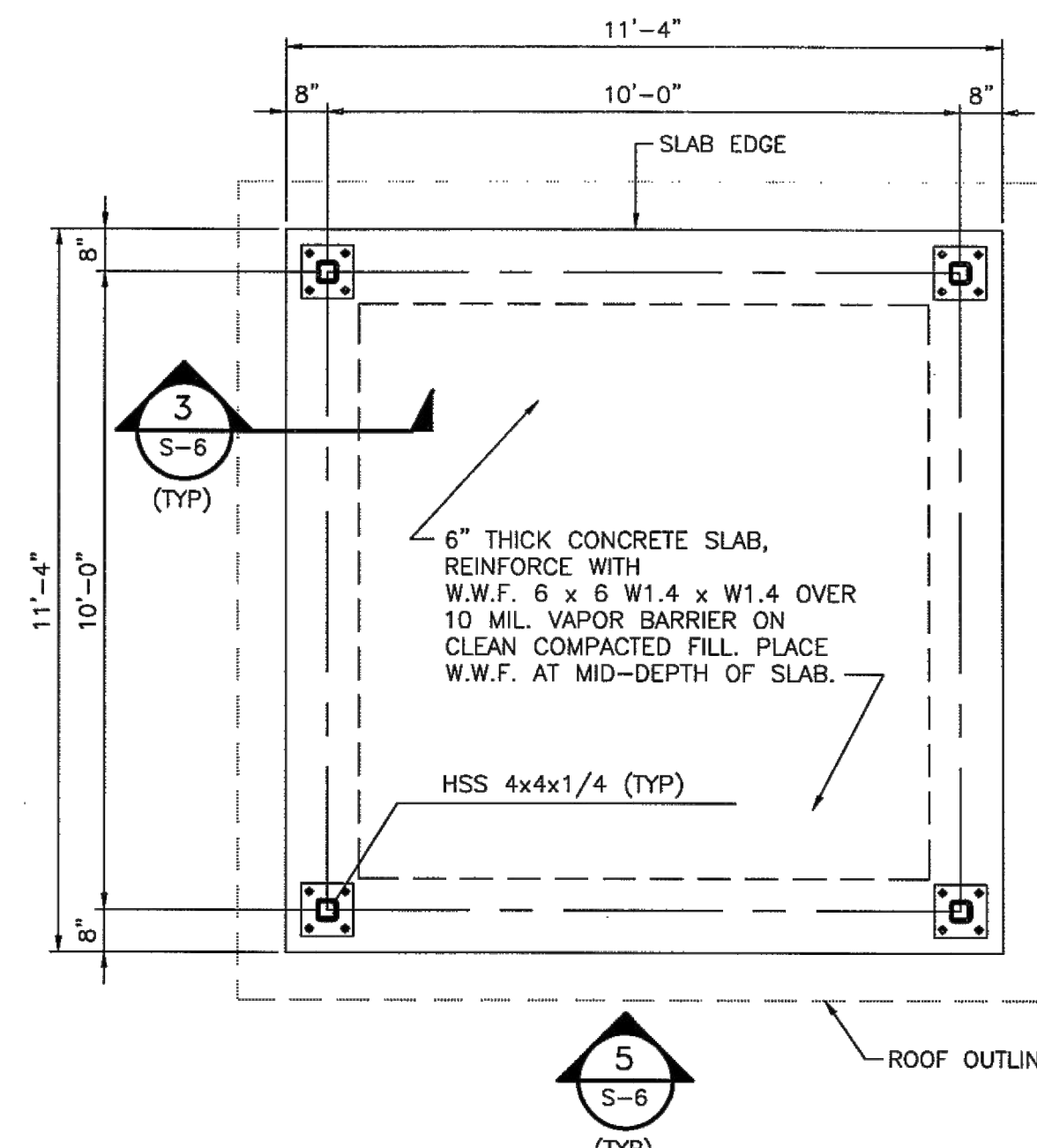
NO.	REVISIONS	DATE

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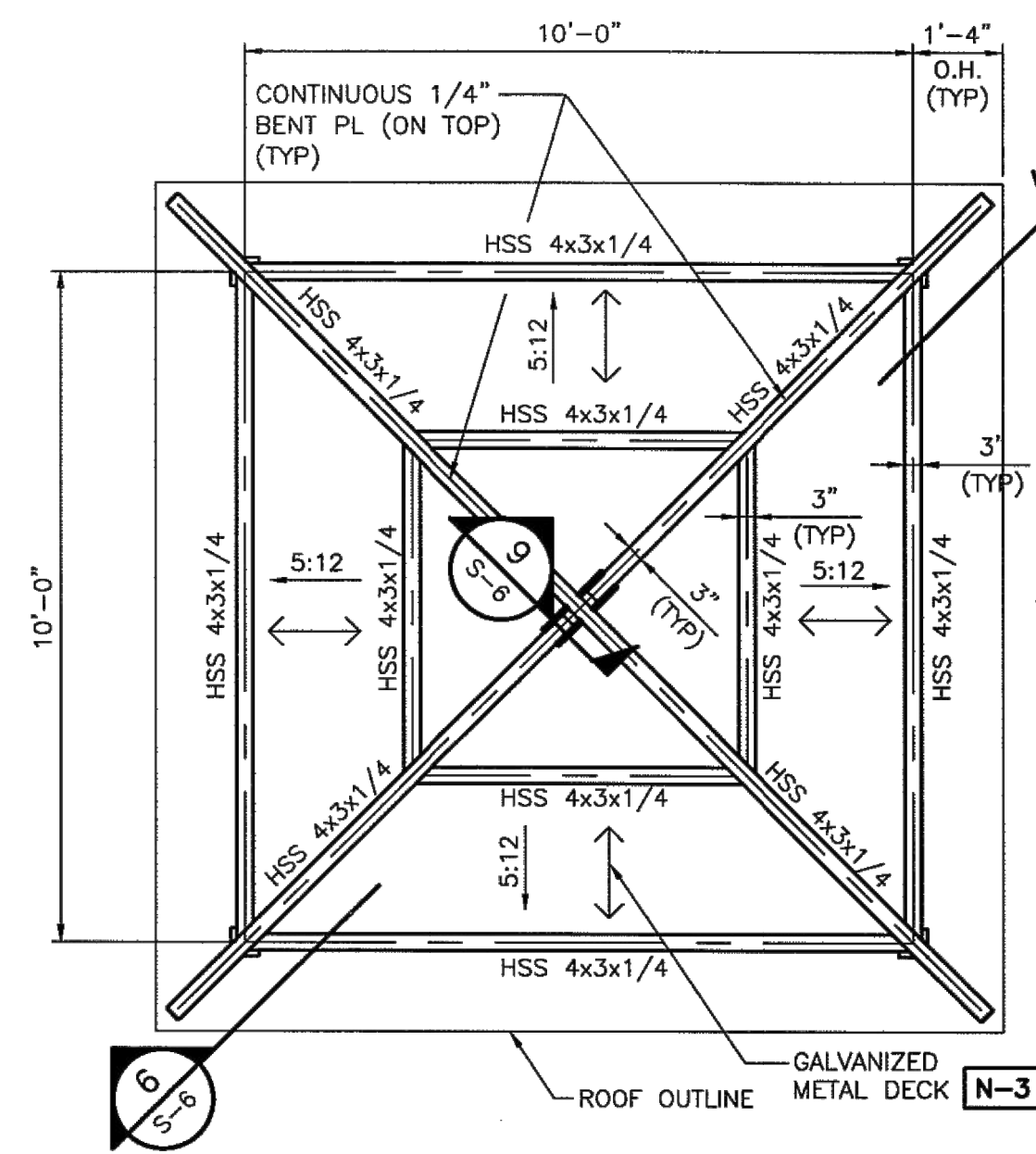
TYPICAL SECTIONS & DETAILS

SHEET NUMBER

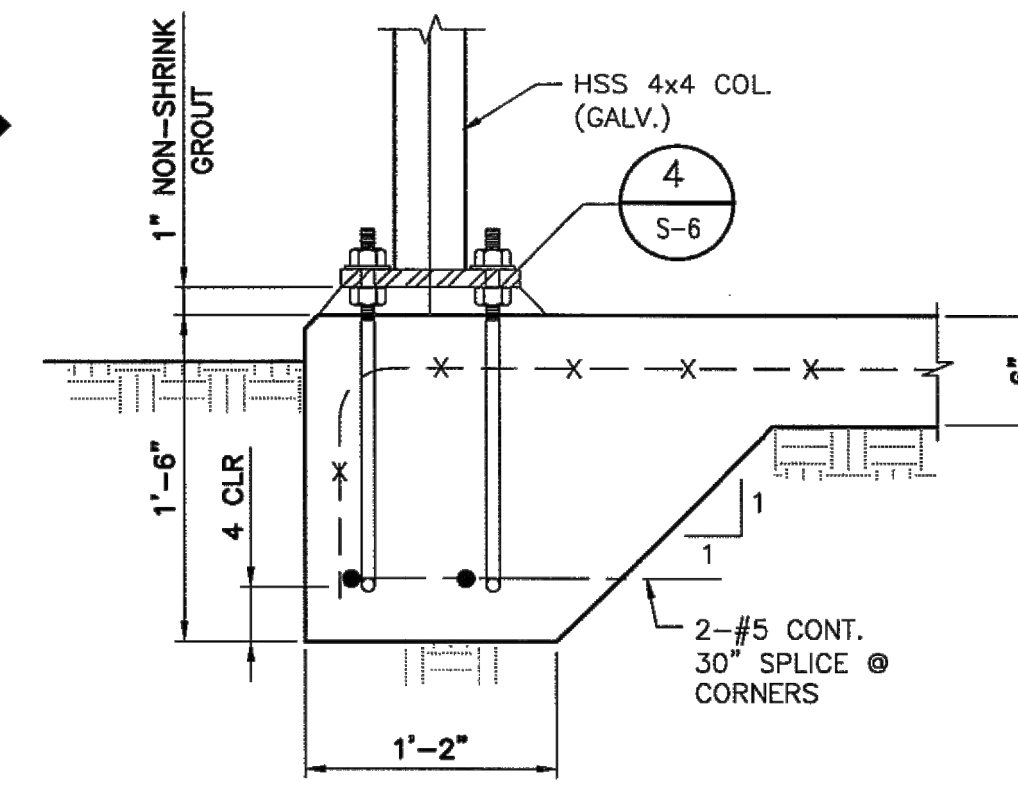
C10



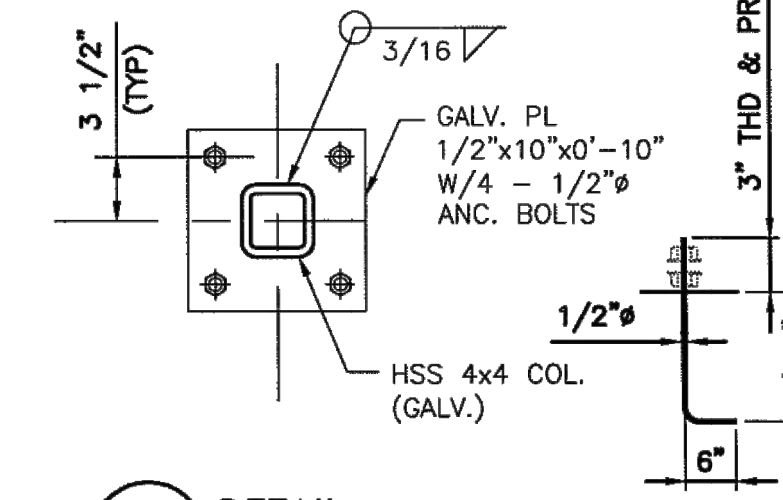
1 FOUNDATION / SLAB PLAN
S-6 SCALE: N.T.S.
H.P. OF CONCRETE SLAB SET AT EL. 6.00 (NGVD)



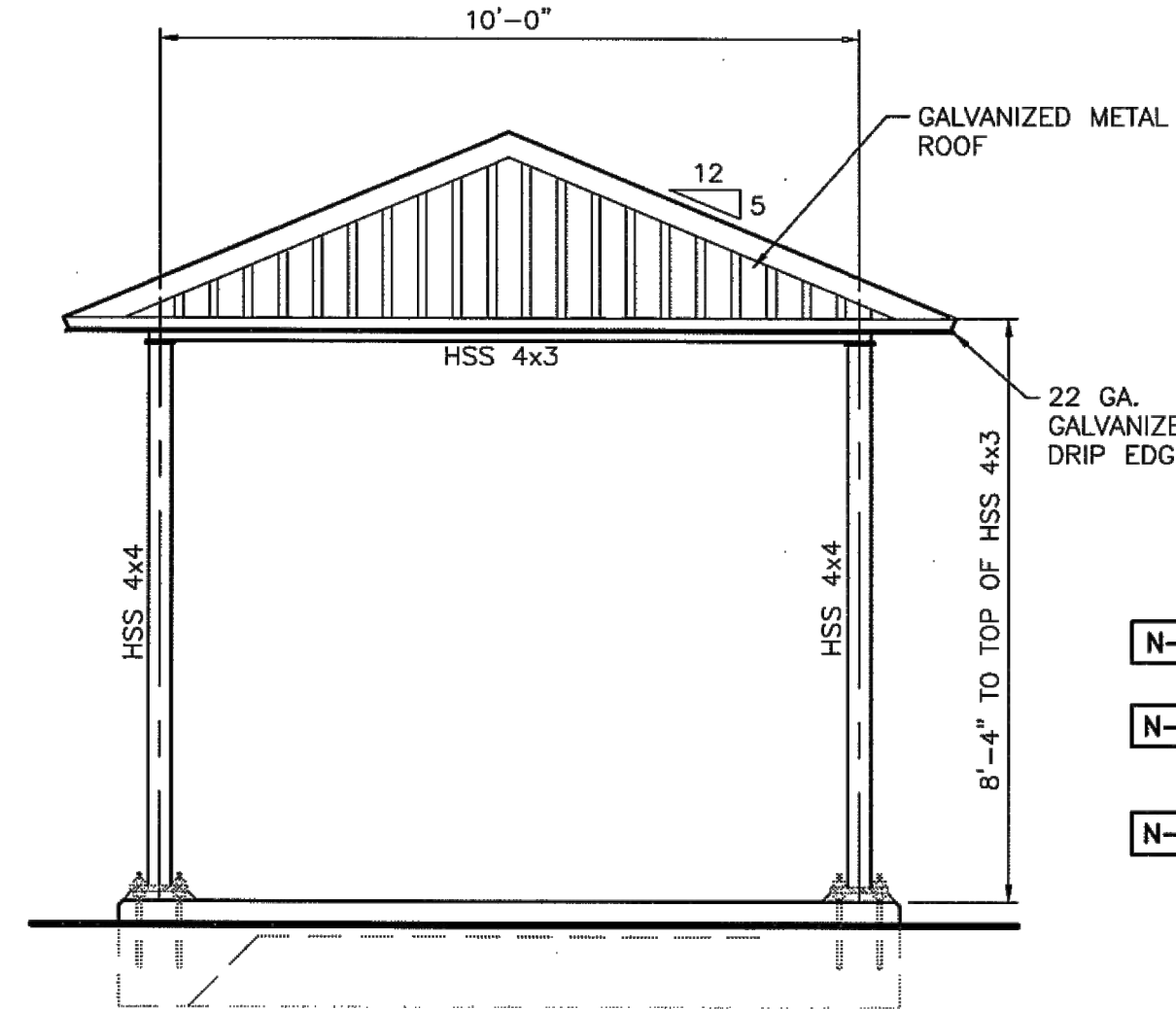
2 ROOF FRAMING PLAN
S-6 SCALE: N.T.S.



3 DETAIL
S-6 SCALE: N.T.S.

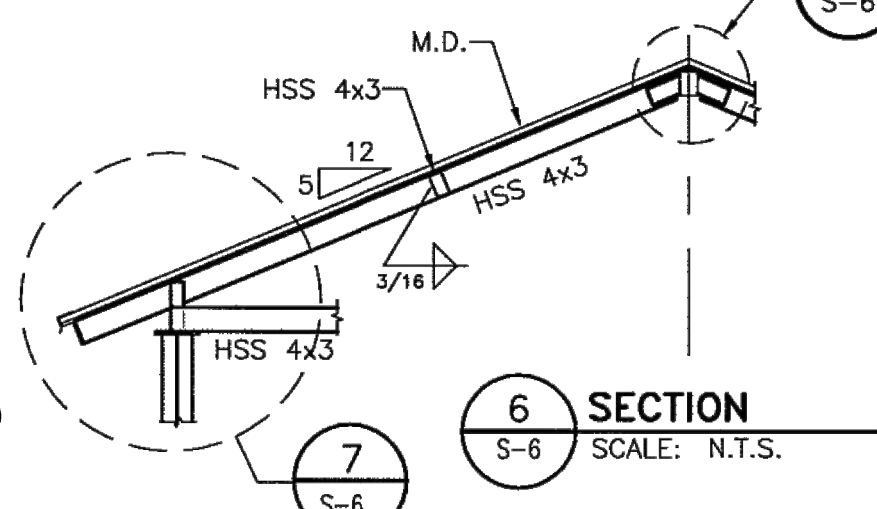


4 DETAIL
S-6 SCALE: N.T.S.

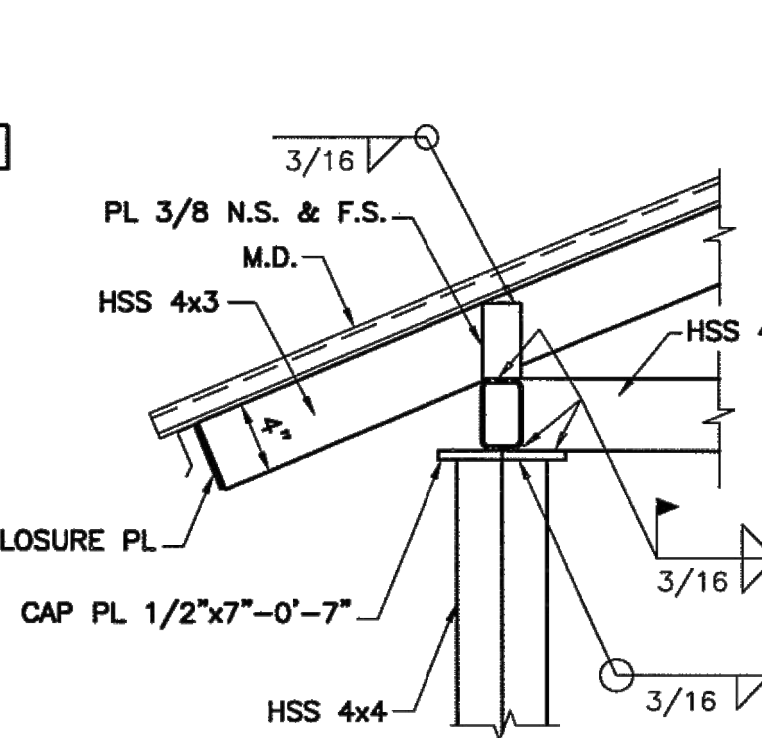


5 TYPICAL ELEVATION
S-6 SCALE: N.T.S.

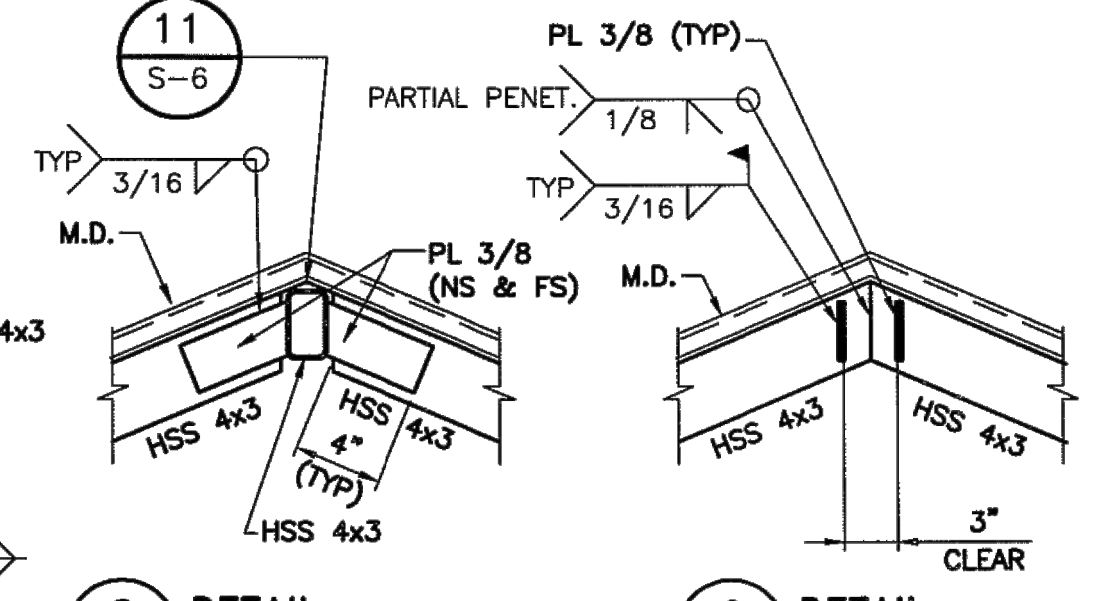
NOTE: ALL MEMBERS TO BE GALVANIZED.



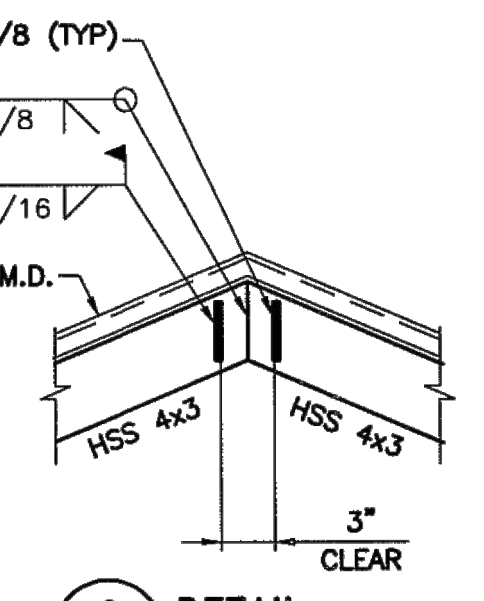
6 SECTION
S-6 SCALE: N.T.S.



7 DETAIL
S-6 SCALE: N.T.S.

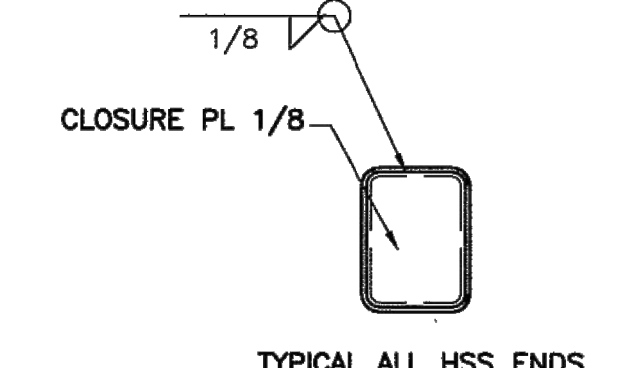


8 DETAIL
S-6 SCALE: N.T.S.

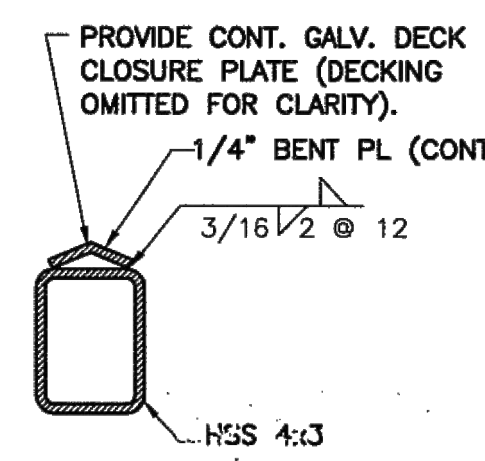


9 DETAIL
S-6 SCALE: N.T.S.

- NOTES:**
- N-1** AFTER WELDING, TOUCH-UP ALL AFFECTED AREAS WITH ZINC RICH PAINT.
 - N-2** ALL WELDING TO BE INSPECTED AND APPROVED BEFORE BEING COVERED BY ANY OTHER CONSTRUCTION.
 - N-3** USE 1 1/2" - 18 GAGE GALVANIZED METAL DECK, INTERMEDIATE RIB, 36" WIDE PANEL. USE THREE 3/8" x 1" ELONGATED PUDDLE WELDS PER PANEL AT END AND INTERMEDIATE SUPPORTS.



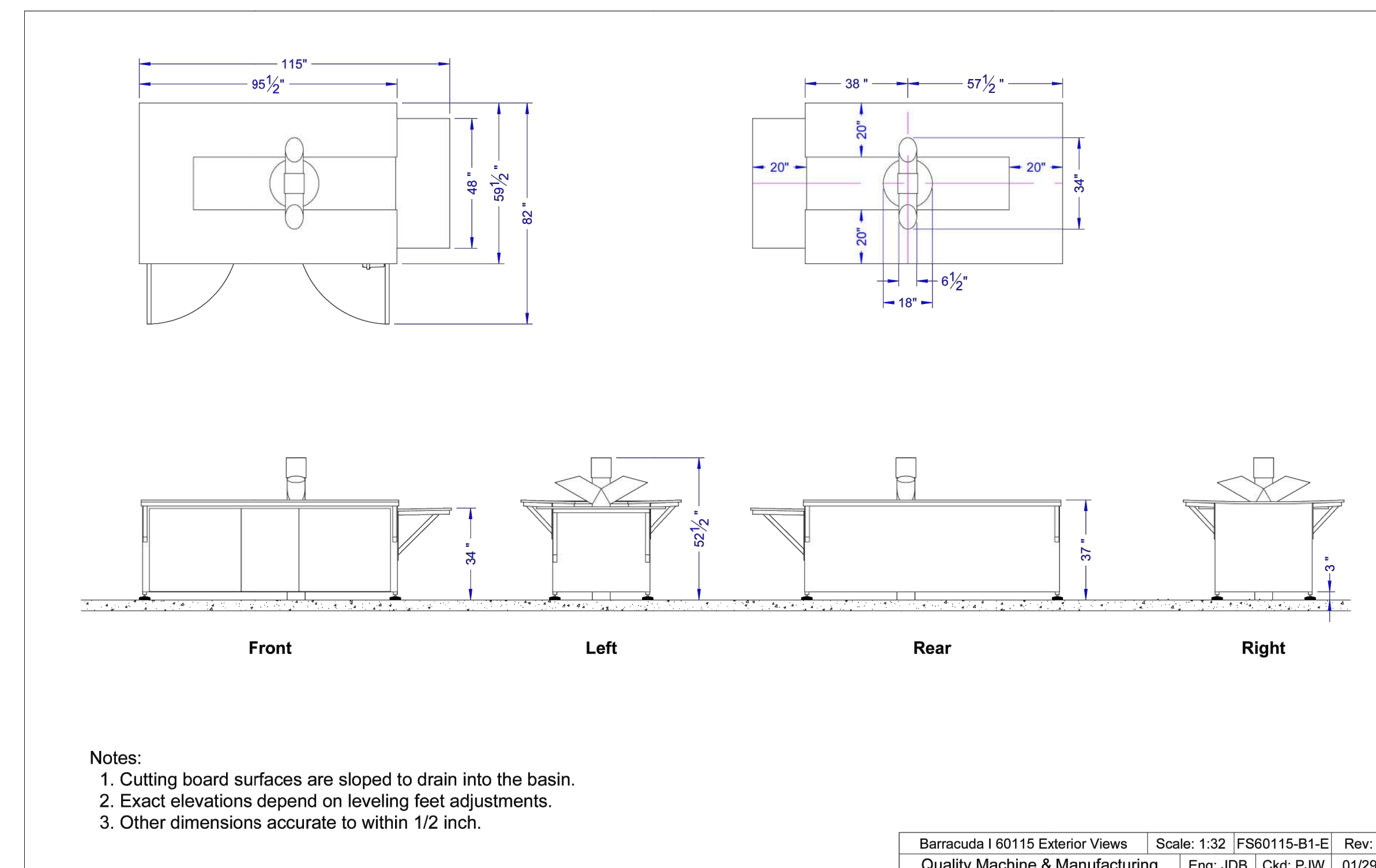
10 DETAIL
S-6 SCALE: N.T.S.



11 DETAIL
S-6 SCALE: N.T.S.

NOTES:

- CONTRACTOR TO PROVIDE SUBMITTAL FOR PRE-FABRICATED SHADE STRUCTURE SIMILAR TO DETAIL ON THIS SHEET FOR LEE COUNTY APPROVAL.
- CONTRACTOR TO PROVIDE A VINYL COATED CHAIN LINK FENCE AROUND SHADE STRUCTURE AT ROOF EAVE EDGE FROM GROUND TO ROOF EAVE WITH (2) 4' WIDE LOCKABLE MAN GATES. THE PURPOSE OF THIS IS TO KEEP PELICANS OUT OF STRUCTURE.



- Notes:
1. Cutting board surfaces are sloped to drain into the basin.
 2. Exact elevations depend on leveling feet adjustments.
 3. Other dimensions accurate to within 1/2 inch.

Barracuda I 60115 Exterior Views Scale: 1:32 FS60115-B1-E Rev: 4C
Quality Machine & Manufacturing Eng: JDB Ckd: PJW 01/29/18



Barracuda I Model 60115 Fish Cleaning Station



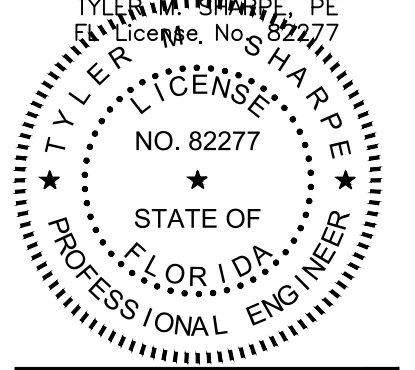
- Standard Features:**
- Heavy-duty waste grinder
 - Exclusive dual 6" inlet chute protects both your patrons and the grinder
 - 3/4" Sanalite cutting boards that slope to central drainage basin
 - End-mounted, 48" x 20" x 34" high ADA-compliant cutting table
 - Two Start/Stop control stations
 - Automatic basin flush nozzles
 - Four 60" side-mount spray hoses
 - 15A/120V convenience outlet circuit with four duplex GFCI receptacles
 - Welded T304 stainless steel cabinet with adjustable leveling feet
 - Lockable doors and removable front panel for maintenance access
 - Shipped fully assembled
- Disposal Specifications:**
- 2HP/230V/3PH AC motor
 - 29:1 reduction gear motor
 - Counter-rotating, 60 RPM shafts with hardened cutting teeth
 - 6" downward waste-discharge port
- Requirements:**
- 30A/240 VAC, 1- or 3-phase service
 - 10 GPM, 50-60 PSI water supply (1" female NPT inlet valve)
- Available Options:**
- Lockable winter cover

- Barracuda Intelligent Control System:**
- Either green button starts the grinder and rinses.
 - Adjustable timers automatically stop the grinder and rinse at the same time. After a brief pause, the rinse resumes long enough to flush all wastes through your drain. Your patrons can't leave the grinder or rinse water running!
 - 1" Jam Release™ reverses and halts the grinder on initial contact to minimize cutter damage.
 - Either red button immediately stops the grinder.
 - Records daily, weekly, monthly and long-term usage statistics.
 - Housed in NEMA 4X enclosures.



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BID DOCUMENTS



PUNTA RASSA BOAT RAMP IMPROVEMENTS LEE COUNTY, FLORIDA

NO.	DESCRIPTION	DATE

DATE: DECEMBER 2024
PROJECT NO. 20247063-000
FILE NO. 09-46-23
SCALE: AS SHOWN

FISH CLEANING STATION SHADE STRUCTURE DETAILS

SHEET NUMBER
C13