NOTICE OF SHORELINE TASK FORCE REGULAR MEETING CITY OF SOUTH PADRE ISLAND

TUESDAY, MARCH 8, 2022

3:00 PM AT THE MUNICIPAL COMPLEX 2ND FLOOR CITY COUNCIL CHAMBERS 4601 PADRE BOULEVARD SOUTH PADRE ISLAND, TX 78597

- 1. Call to Order
- 2. Pledge of Allegiance
- 3. Public Comments and Announcements

This is an opportunity for citizens to speak to Shoreline Task Force relating to agenda or non-agenda items. Speakers are required to address the board at the podium and give their name before addressing their concerns. [Note: State law will not permit the Shoreline Task Force to discuss, debate, or consider items that are not on the agenda. Citizen comments may be referred to City Staff or may be placed on the agenda of a future Task Force meeting]

- 4. Regular Agenda
 - 4.1. Discussion and action to approve the meeting minutes from the regular meeting on February 8, 2022. (Hughston)
 - 4.2. Discussion and action to approve the minutes of the workshop held on February 22, 2022. (Hughston)
 - 4.3. Updates on department projects: (Hughston, Boburka)
 - Coastal Management Program (CMP)'s Cycle 24 Dune Restoration
 - CMP's Cycle 25 Whitecap Circle (#8) Improvements
 - Restore Act & Texas Parks and Wildlife Grants (Marisol Boat Ramp)
 - Tompkins Channel
 - CMP's Cycle 28
- 5. Adjourn

NOTE:

One or more members of the City of South Padre Island City Council may attend this meeting; if so, this statement satisfies the requirements of the OPEN MEETINGS ACT.

DATED MARCH 4, 2022

Angelique Soto, City Secretary

I, THE UNDERSIGNED AUTHORITY, DO HEREBY CERTIFY THAT THE ABOVE NOTICE OF MEETING OF THE SHORE INE TASK FORCE OF THE CITY OF SOUTH PADRE ISLAND, TEXAS IS A TRUE AND CORRECT COPY OF SAID NOTICE AND THAT I POSTED A TRUE AND CORRECT COPY OF SAID NOTICE ON THE BULLETIN BOARD AT CITY HALL/MUNICIPAL BUILDING ON MARCH 4, 2022, AT/OR BEFORE 3:00 PM AND REMAINED SO POSTED CONTINUOUSLY FOR AT LEAST 72 HOURS PRECEDING THE SCHEDULED TIME OF SAID MEETING.

Angelique Soto, City Secretary

THIS FACILITY IS WHEELCHAIR ACCESSIBLE, AND ACCESSIBLE PARKING SPACES ARE AVAILABLE. REQUESTS FOR ACCOMMODATIONS OR INTERPRETIVE SERVICES MUST BE MADE 48 HOURS PRIOR TO THIS MEETING. PLEASE CONTACT BUILDING OFFICIAL, GEORGE MARTINEZ AT (956)761-8103.

Agenda: MARCH 8, 2022

CITY OF SOUTH PADRE ISLAND SHORELINE TASK FORCE AGENDA REQUEST FORM

MEETING DATE: March 8, 2022

NAME & TITLE: Kristina Boburka, Shoreline Director

DEPARTMENT: Shoreline Department

ITEM

Discussion and action to approve the meeting minutes from the regular meeting on February 8, 2022. (Hughston)

ITEM BACKGROUND

Approve minutes from the regular meeting on February

BUDGET/FINANCIAL SUMMARY

COMPREHENSIVE PLAN GOAL

LEGAL REVIEW

Sent to Legal:

Approved by Legal:

RECOMMENDATIONS/COMMENTS:

MINUTES OF REGULAR MEETING CITY OF SOUTH PADRE ISLAND SHORELINE TASK FORCE

Tuesday, February 8th, 2022

I. CALL TO ORDER.

The Shoreline Task Force of the City of South Padre Island, Texas, held a regular meeting on Tuesday, February 8th, 2022, at the Municipal Complex Building, 2nd Floor, 4601 Padre Boulevard, South Padre Island, Texas. Chairman Robert Nixon called the meeting to order at 3:00 p.m. A quorum was present with Chairman Robert Nixon, Task Force Vice Chairman Stormy Wall, Task Force Members Abbie Mahan, Michael Sularz, Norma Trevino, Todd Williams, and Carol Bolstad.

Council Member Ken Medders was present along with, City Manager Randy Smith, City Secretary Nikki Soto, City Public Information Coordinator Selena Trevino, Shoreline Director Kristina Boburka, and Coastal Coordinator Erika Hughston.

II. PLEDGE OF ALLEGIANCE.

Chairman Robert Nixon led the Pledge of Allegiance.

III. PUBLIC COMMENTS AND ANNOUNCEMENTS:

No public comments were given at this time.

IV. REGULAR AGENDA

I. DISCUSSION AND ACTION TO APPROVE THE MINUTES FROM THE REGULAR MEETING ON JANUARY 25TH, 2022. (HUGHSTON) Task Force Member Mahan made a motion to approve the minutes, seconded by Task Force Member Wall. Motion passed unanimously.

II. DISCUSSION AND POSSIBLE ACTION FOR A LAGUNA MADRE LIVING SHORELINE WORKSHOP TO BE HELD ON FEBRUARY 22^{ND} , 2022 AT 1:30 P.M.

Task Force Member Trevino made a motion to hold the workshop, seconded by Task Force Member Wall. Motion passed unanimously.

V. ADJOURNMENT.

There being no further business, Chairman Nix	con adjourned the meeting at 3:04 p.m.
Erika Hughston, Coastal Coordinator	Robert Nixon, Chairman

CITY OF SOUTH PADRE ISLAND SHORELINE TASK FORCE AGENDA REQUEST FORM

MEETING DATE: March 8, 2022

NAME & TITLE: Kristina Boburka, Shoreline Director

DEPARTMENT: Shoreline Department

ITEM

Discussion and action to approve the minutes of the workshop held on February 22, 2022. (Hughston)

ITEM BACKGROUND

Approve the minutes from the workshop held on February 22, 2022.

BUDGET/FINANCIAL SUMMARY

COMPREHENSIVE PLAN GOAL

LEGAL REVIEW

Sent to Legal:

Approved by Legal:

RECOMMENDATIONS/COMMENTS:

MINUTES OF A WORKSHOP CITY OF SOUTH PADRE ISLAND SHORELINE TASK FORCE

Tuesday, February 22nd, 2022

I. CALL TO ORDER.

The Shoreline Task Force of the City of South Padre Island, Texas, held a workshop on Tuesday, February 22nd, 2022, at the Municipal Complex Building, 2nd Floor, 4601 Padre Boulevard, South Padre Island, Texas. Chairman Robert Nixon called the meeting to order at 1:30 p.m. A quorum was present with Chairman Robert Nixon, Task Force Vice Chairman Stormy Wall, Task Force Members Abbie Mahan, Michael Sularz, Norma Trevino, Todd Williams, and Carol Bolstad.

Council Member Ken Medders was present along with, Shoreline Director Kristina Boburka, and Coastal Coordinator Erika Hughston.

II. PLEDGE OF ALLEGIANCE.

Chairman Robert Nixon led the Pledge of Allegiance.

III. PUBLIC COMMENTS AND ANNOUNCEMENTS:

No public comments were given at this time.

IV. REGULAR AGENDA

I. UPDATES AND DISCUSSION ON THE NATIONAL FISH AND WILDLIFE FOUNDATION (NFWF)'S NATIONAL COASTAL RESILIENCY FUND (NCRF) GRANT TO DESIGN A BAYSIDE LIVING SHORELINE.

Coastal Coordinator Hughston gave a brief update on data collection from the United States Geological Survey. Cameron Perry from HDR Engineering opened the discussion and data collection by HDR for feasible site designs. Perry and his team stated they are looking for strong community involvement throughout the preliminary design.

V. ADJOURNMENT.

There being no further business, Chairman Nixo	n adjourned the meeting at 2:45 p.m.
Erika Hughston, Coastal Coordinator	Robert Nixon, Chairman

CITY OF SOUTH PADRE ISLAND SHORELINE TASK FORCE AGENDA REQUEST FORM

MEETING DATE: March 8, 2022

NAME & TITLE: Kristina Boburka, Shoreline Director

DEPARTMENT: Shoreline Department

ITEM

Updates on department projects: (Hughston, Boburka)

- Coastal Management Program (CMP)'s Cycle 24 Dune Restoration
- CMP's Cycle 25 Whitecap Circle (#8) Improvements
- Restore Act & Texas Parks and Wildlife Grants (Marisol Boat Ramp)
- Tompkins Channel
- CMP's Cycle 28

ITEM BACKGROUND

Update on departmental projects.

BUDGET/FINANCIAL SUMMARY

COMPREHENSIVE PLAN GOAL

LEGAL REVIEW

Sent to Legal:

Approved by Legal:

RECOMMENDATIONS/COMMENTS:

South Padre Island Pedestrian Walkover Southe

AT:

White Cap Circle Beach Public Access South Padre Island, Texas

OWNER:

City of South Padre Island 4601 Padre Blvd South Padre Island, Texas

PROJECT & STRUCTURAL ENGINEER: **GREEN, RUBIANO & ASSOCIATES**

1220 WEST HARRISON HARLINGEN, TEXAS 78550 P: 956-428-4461 GRA@GRAENGINEERING.COM

PROJECT SHEET INDEX:

G0.0 COVER SHEET

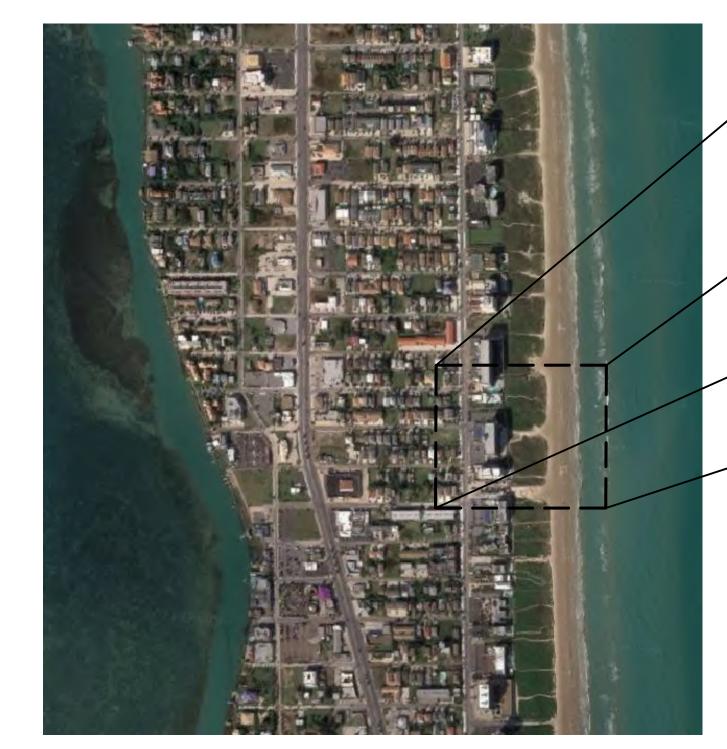
GLO INFORMATION SHEET INDEX:

GLO-A1 VOLUME AND LOCATION OF DUNE CUT (MITIGATION) GLO-A2 VOLUME AND LOCATION OF DUNE FILL (MITIGATION) GLO-B1 AREAS OF VEGETATION IMPACT GLO-B2 AREAS OF RE-VEGETATION / NEW VEGETATION

STRUCTURAL SHEET INDEX:

- S1.1 ACCESSIBILITY STANDARDS
- S1.2 ACCESSIBILITY STANDARDS
- S1.3 SITE AERIAL AND GENERAL NOTES
- S1.4 SITE IMPROVEMENT PLAN
- S1.4A SITE IMPROVEMENT PLAN WITH AERIAL OVERLAY
- S1.5 ENLARGED PARTIAL SITE IMPROVEMENT PLAN AT RESTROOMS
- S2.0 GENERAL STRUCTURAL NOTES
- GENERAL STRUCTURAL NOTES
- S2.2 PEDESTRIAN WALKOVER FRAMING PLAN
- S2.3 FRAMING DETAILS
- S2.4 FRAMING DETAILS
- WALKOVER FRAMING ELEVATION
- RESTROOM FLOOR PLAN, ROOF PLAN AND EXTERIOR ELEVATIONS
- S2.7 RESTROOM CROSS SECTIONS
- S2.8 RESTROOM AND CEILING PLAN
- S2.9 RESTROOM FOUNDATION PLAN AND DETAILS
- S2.10 RESTROOM FRAMING PLAN AND DETAILS







CIVIL ENGINEER: HALFF

1075 PAREDES LINE ROAD SUITE B BROWNSVILLE, TEXAS 78526 P: 956-303-7100

CIVIL SHEET INDEX:

- C1.1 GENERAL NOTES
- C1.2 GENERAL NOTES AND LEGEND
- C1.3 EXISTING CONDITIONS
- C1.4 DEMOLITION PLAN
- C1.5 PROPOSED SITE PLAN
- C1.6 PROPOSED GRADING PLAN
- C1.7 PROPOSED UTILITY PLAN
- C1.8 DUNE MITIGATION PLAN
- C1.9 MINIMUM SUGGESTED EROSION CONTROL MEASURES
- C1.10 MISCELLANEOUS DETAILS C1.11 MISCELLANEOUS DETAILS



LANDSCAPE: SSP DESIGN LLC

789 E. WASHINGTON ST. BROWNSVILLE, TEXAS 78520 P: 956-547-9977 F: 956-547-9977

LANDSCAPE SHEET INDEX:

- L1.01 IRRIGATION PLAN
- L1.02 IRRIGATION PLAN
- L1.03 IRRIGATION PLAN
- L1.04 IRRIGATION DETAILS
- L2.01 LANDSCAPE AND DUNE VEGETATION PLAN
- L2.02 LANDSCAPE AND DUNE VEGETATION PLAN
- L2.03 LANDSCAPE AND DUNE VEGETATION PLAN
- L3.01 LANDSCAPE SCHEDULES AND DETAILS
- L3.02 HARDSCAPE SCHEDULES AND DETAILS



CONSULTING STRUCTURAL ENGINEE

WHITE CAP CIRCLE

PROJECT

WALKOVER AT WHITE CAP CIRCLE

SOUTH PADRE ISLAND, **TEXAS**

CITY OF SOUTH PADRE ISLAND



SOUTH PADRE ISLAND. **TEXAS**

> P: 956-761-3044 F: 956-761-3898



MARK	DATE	DESCRIPTION

PROJECT NO.	1065–16
)ATE	02-18-2021
DRAWN BY	LC
CHECKED BY	BD
SCALE	AS SHOWN
HEET TITLE	

COVER SHEET

SHEET NO.

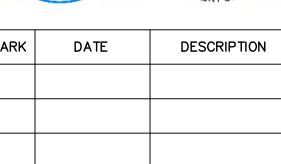
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AT WHITECAP CIRCLE

SOUTH PADRE ISLAND

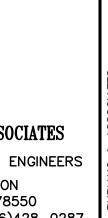


PROJECT NO.	1065–16
DATE	December 1, 2021
DRAWN BY	TE
CHECKED BY	RA
SCALE	AS SHOWN
SHEET TITLE	

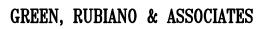
LOCATION OF **DUNE CUT** (MITIGATION)

SHEET NO.

GLO-A1







1220 WEST HARRISON HARLINGEN, TEXAS 78550 PH:(956)428-4461 FAX:(956)428-0287 FIRM REGISTRATION #F-4145

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R. THOMAS EVERETT II, P.E. 136374 12/01/21 TBPE FIRM #F-312

PROJECT

WALKOVER AT WHITECAP CIRCLE

SOUTH PADRE ISLAND, TEXAS

CLIENT

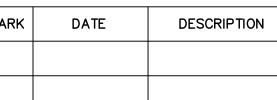
CITY OF



SOUTH PADRE ISLAND, TEXAS

P: 956-761-3044 F: 956-761-3898





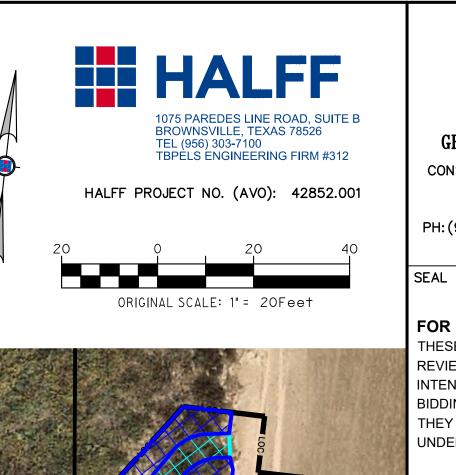
PROJECT NO.	1065–16
DATE	December 1, 2021
DRAWN BY	TE
CHECKED BY	RA
SCALE	AS SHOWN
CUEET TITLE	

VOLUME AND LOCATION OF **DUNE FILL** (MITIGATION)

SHEET NO.

GLO-A2





CONSULTING STRUCTURAL ENGINEERS 1220 WEST HARRISON HARLINGEN, TEXAS 78550 PH:(956)428-4461 FAX:(956)428-0287 FIRM REGISTRATION #F-4145

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PROJECT

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CITY OF



SOUTH PADRE ISLAND, TEXAS

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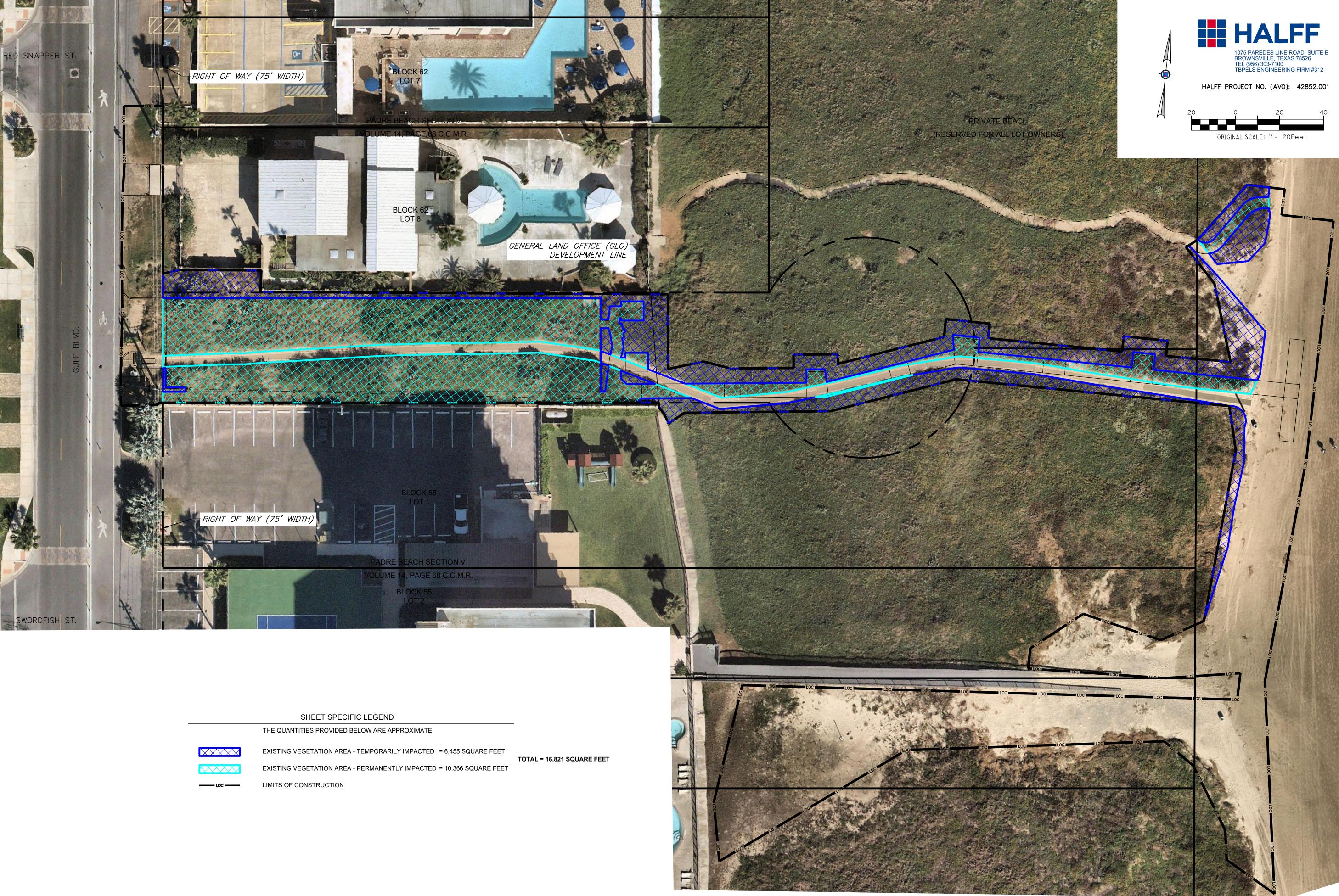
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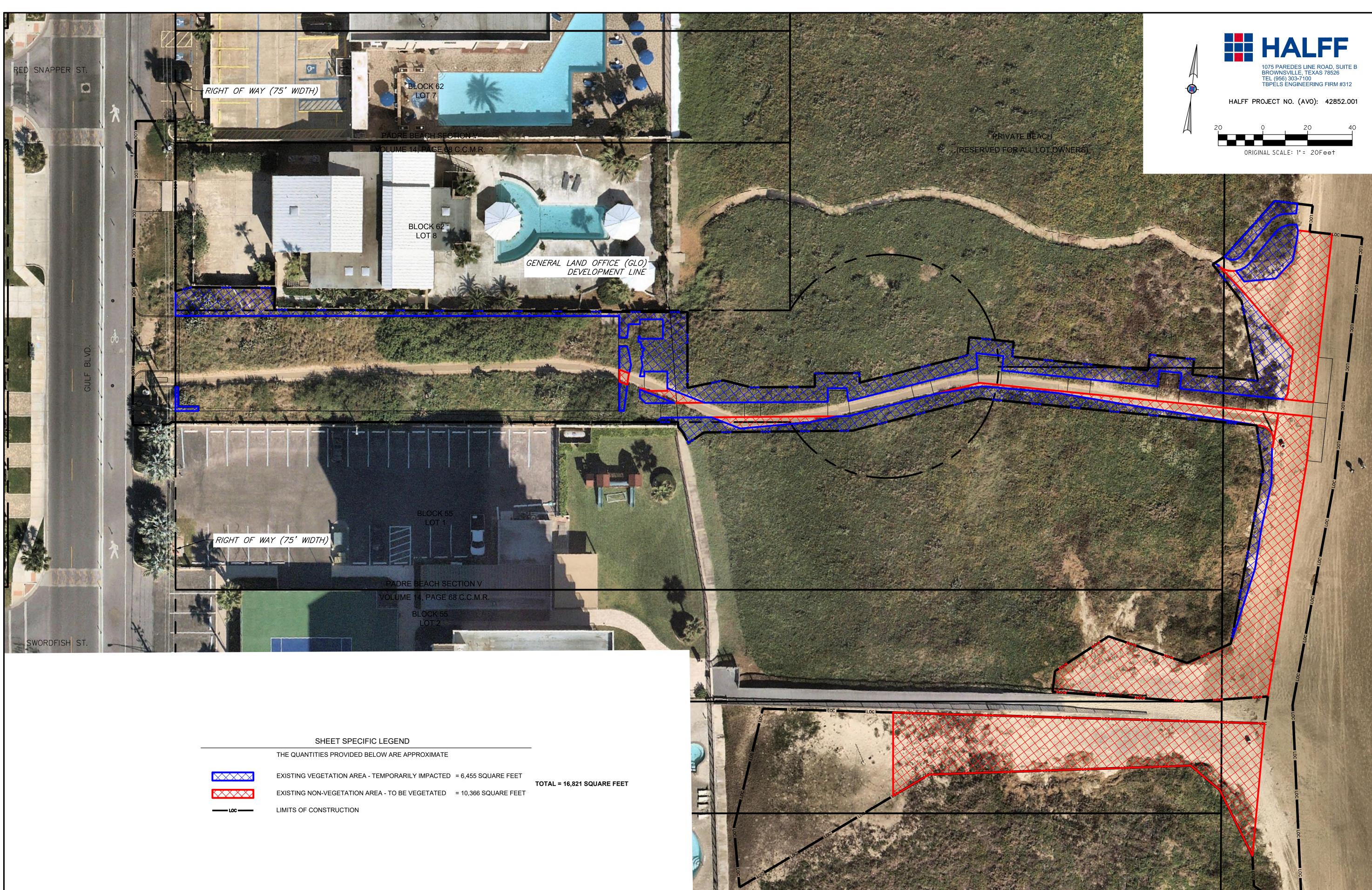
PROJECT NO.	1065–16
DATE	December 1, 2021
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SCALE	AS SHOWN
SHEET TITLE	

AREAS OF VEGETATION **IMPACTED**

SHEET NO.

GLO-B1





CONSULTING STRUCTURAL ENGINEERS

1220 WEST HARRISON
HARLINGEN, TEXAS 78550
PH: (956)428-4461 FAX: (956)428-0287
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PROJECT

WALKOVER AT WHITECAP CIRCLE

SOUTH PADRE ISLAND, TEXAS

CLIENT

CITY OF SOUTH PADRE ISLAND



SOUTH PADRE ISLAND, TEXAS P: 956-761-3044

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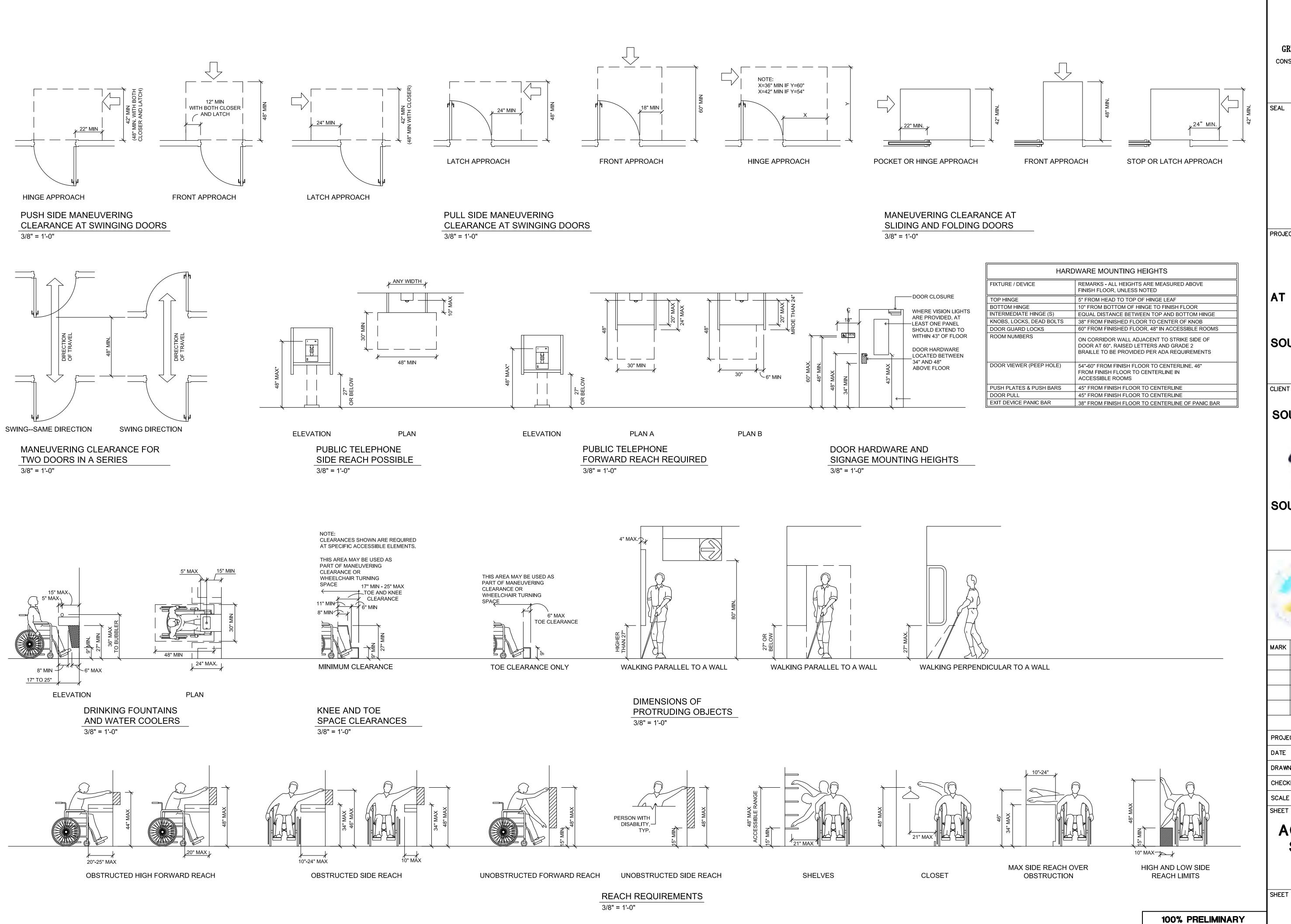
MARK	DATE	DESCRIPTION

PROJECT NO.	1065–16
DATE	December 1, 2021
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CHECKED BY	RA
SCALE	AS SHOWN
SHEET TITLE	

AREAS OF RE-VEGETATION/ NEW VEGETATION

SHEET NO.

GLO-B2



CONSULTING STRUCTURAL ENGINEERS 1220 WEST HARRISON HARLINGEN, TEXAS 78550 PH: (956)428-4461 GRA@GRAENGINEERING.COM

PROJECT

WALKOVER AT WHITE CAP CIRCLE

SOUTH PADRE ISLAND, **TEXAS**

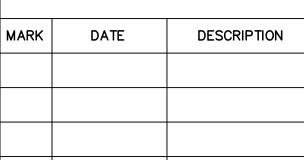
CITY OF SOUTH PADRE ISLAND



TEXAS

P: 956-761-3044 F: 956-761-3898





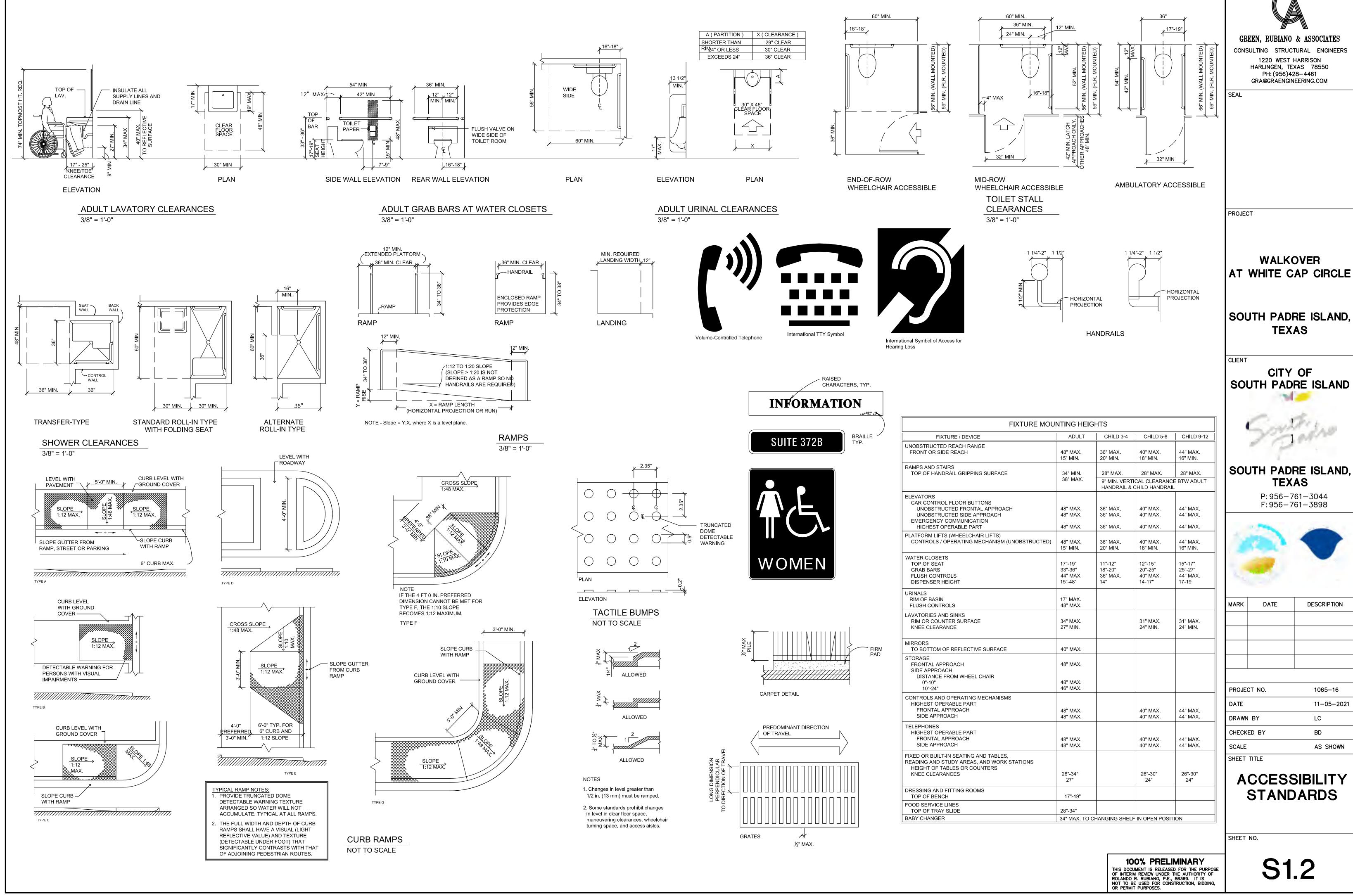
PROJECT NO.	1065–16
DATE	11-05-2021
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SHEET TITLE

ACCESSIBILITY STANDARDS

SHEET NO.

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SOUTH PADRE ISLAND,

SOUTH PADRE ISLAND



M.	ARK	DATE	DESCRIPTION

ROJECT NO.	1065–16
ATE.	11-05-2021
AWN BY	LC
ECKED BY	BD
CALE	AS SHOWN





GENERAL NOTES

SCOPE OF PROJECT

SCOPE OF WORK IS DEFINED BY THE DRAWINGS AND SPECIFICATIONS, INCLUDES ALL SUPERVISION, LABOR, MATERIALS, EQUIPMENT, PERMITTING AND FEES TO ACCOMPLISH THE WORK. THE SCOPE INCLUDES. BUT IS NOT LIMITED TO:

1. INSTALLATION OF NEW BEACH VEHICLE DRIVE OVER CONCRETE STRUCTURE AND WOOD WALKOVER STRUCTURE AT WHITE SANDS STREET, AND ASSOCIATED IMPROVEMENTS.

CODE COMPLIANCE

- 1. ALL WORK PREFORMED SHALL BE COMPLETED IN ACCORDANCE WITH ALL STATE, FEDERAL, AND LOCAL CODES, ORDINANCES, AND LAWS, INCLUDING THE INTERNATIONAL BUILDING CODE 2012
- 2. ALL DEMOLITION MATERIAL SHALL BE PROPERLY DISPOSED OF IN A LANDFILL MEETING ALL FEDERAL, STATE, AND LOCAL REGULATORY REQUIREMENTS. CONTRACTOR SHALL PROVIDE PROPER DOCUMENTATION FROM LANDFILL INDICATING PROPER DISPOSAL OF DEMOLITION MATERIAL.

COORDINATION

1. THE CONTRACTOR SHALL COORDINATE WORK BETWEEN ALL TRADES. ANY CONFLICTS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO THE WORK BEING INSTALLED. FAILURE TO DO SO WILL MAKE THE CONTRACTOR RESPONSIBLE FOR THE COST OF THE WORK.

EXISTING CONDITIONS

- 1. THE CONTRACTOR SHALL VISIT THE SITE OF THE PROPOSED WORK AND FULLY ACQUAINT THEMSELVES WITH THE EXISTING CONDITIONS.
- 2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS. DIMENSIONS SHOWN ON THE PLANS ARE APPROXIMATE. CONTRACTOR SHALL OBTAIN ALL FIELD MEASUREMENTS AS NECESSARY TO COORDINATE NEW CONSTRUCTION TO EXISTING CONDITIONS.
- 3. IF EXISTING CONDITIONS DIFFER FROM THE DRAWINGS. INFORM THE ENGINEER AND ADDITIONAL DETAILS OR INTERPRETATION WILL BE PROVIDED. DO NOT PROCEED WITHOUT VERIFICATION.
- 4. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES, INCLUDING STORM SEWER SYSTEM LINES, WASTE WATER LINES, IRRIGATION LINES, ETC., PRIOR TO MOBILIZATION AND COMMENCEMENT OF WORK. CONTACT ALL CITY OF SOUTH PADRE ISLAND MUNICIPALITIES AS REQUIRED TO LOCATE UNDERGROUND UTILITIES. ANY COSTS TO REPAIR DAMAGES IF UTILITIES ARE NOT PROPERLY IDENTIFIED, ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

TEMPORARY BRACING, FALSEWORK AND FORMWORK

- 1. THE DESIGN, ENGINEERING, FABRICATION, CONSTRUCTION, ERECTION, REMOVAL AND OVERALL SAFETY OF ALL TEMPORARY SUPPORTS SUCH AS FALSEWORK, FORMWORK, SHORES AND BRACING REQUIRED FOR THE EXECUTION OF THE CONTRACT ARE NOT INCLUDED IN THE DRAWINGS AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 2. THE ENGINEER'S EFFORTS ARE AIMED AT DESIGNING A PROJECT WHICH WILL BE SAFE AFTER FULL COMPLETION. THE ENGINEER HAS NO EXPERTISE IN, AND TAKES NO RESPONSIBILITY FOR, CONSTRUCTION MEANS AND METHODS OR JOB SITE SAFETY DURING CONSTRUCTION. SAFETY IS EXCLUSIVELY THE CONTRACTOR'S RESPONSIBILITY. PROCESSING AND/OR APPROVING SUBMITTALS MADE BY CONTRACTOR WHICH MAY CONTAIN INFORMATION RELATED TO SHORING, CONSTRUCTION METHODS OR SAFETY ISSUES, OR PARTICIPATION IN MEETINGS WHERE SUCH ISSUES MIGHT BE DISCUSSED. MUST NOT BE CONSTRUED AS VOLUNTARY ASSUMPTION BY ENGINEER OF ANY RESPONSIBILITY FOR THESE SAFETY PROCEDURES.

DOCUMENTATION OF PRE-CONSTRUCTION PHOTOGRAPHS

1. THE CONTRACTOR SHALL PHOTOGRAPH AND/OR VIDEO DOCUMENT AND TAKE WRITTEN NOTES OF EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF THE WORK ON THE SITE. COPIES OF ALL DOCUMENTATION TO BE PRESENTED TO THE OWNER PRIOR TO COMMENCING WORK.

PROTECTION OF EXISTING ADJACENT BUILDINGS

- 1. CONTRACTOR SHALL TAKE THE PROPER PRECAUTIONS NOT TO DAMAGE ADJACENT BUILDINGS DURING DEMOLITION.
- 2. THE CONTRACTOR SHALL TAKE PROPER PRECAUTION TO PROTECT ALL ADJACENT EXISTING TREES, LANDSCAPING, SITE LIGHTING, SIDEWALKS, AND SITE FEATURES FROM DAMAGE THROUGHOUT COURSE OF WORK. IF DAMAGED DURING THE COURSE OF THE WORK, REPAIR TO PRE-CONSTRUCTION CONDITION PRIOR TO COMPLETION OF THE PROJECT.

SAFETY

- 1. PERFORM ALL WORK IN A SAFE AND CONSCIENTIOUS MANNER TO PREVENT INJURIES.
- 2. CONTRACTOR SHALL MAINTAIN OSHA STANDARDS FOR JOB SAFETY AND WORKER PROTECTION, INCLUDING, BUT NOT LIMITED TO ADEQUATE PROTECTION, BARRICADES, SIGNS, ETC.
- 3. PEDESTRIAN PROTECTION REQUIREMENTS: PROVIDE CANOPY AND/OR BARRICADES AT SIDEWALKS AND OTHER PUBLICLY ACCESSIBLE AREAS WHICH MAY BE SUBJECT TO FALLING DEBRIS FROM THE WORK. COORDINATE ACCESS REQUIREMENTS WITH OWNER. BARRICADES AND CANOPY SHALL MEET OR EXCEED THE APPLICABLE REQUIREMENTS OF FEDERAL, STATE AND LOCAL LAWS, CODES, AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION. AS A MINIMUM, CANOPY SHALL COMPLY WITH SECTION 3306, "PROTECTION OF PEDESTRIANS" OF THE 2012 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC). UPON COMPLETION OF REMOVAL OF CANOPY AND BARRICADES, LEAVE PROPERTY IN GOOD CONDITION AS IT WAS PRIOR TO COMMENCEMENT OF WORK.
- 4. ALL CONSTRUCTION MATERIALS SHALL BE LOCKED-UP OR PLACED INSIDE A LOCKED CONSTRUCTION FENCE TO ENSURE MATERIALS DO NOT BECOME WINDBORNE OR CAUSE INJURY TO RESIDENTS, VISITORS OR PUBLIC.
- 5. THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR SAFETY. THE OWNER AND ENGINEER EXPRESSLY EXLUDE ANY RESPONSIBILITY FOR CONTRACTOR SAFETY OR SAFETY OF JOBSITE.

TEMPORARY FACILITIES

1. COORDINATE LOCATION AND PLACEMENT OF FIELD OFFICE. MATERIAL STORAGE. PORTABLE TOILET, DUMPSTERS, ETC. WITH OWNER PRIOR TO CONSTRUCTION.

USE OF THE PREMISES

- 1. EQUIPMENT ACCESS TO BE SCHEDULED WITH OWNERS REPRESENTATIVE 48 HOURS IN ADVANCE.
- 2. TYPICAL HOURS OF WORK: 7:00 AM 7:00 PM MONDAY FRIDAY, 8:00 AM -7:00 PM - SATURDAY, 9:00 AM - 5:00 PM- SUNDAY, UNLESS OTHER ARRANGEMENTS MADE WITH OWNER'S REPRESENTATIVE. PRIOR TO COMMENCING WORK, COORDINATE HOURS OF WORK WITH THE OWNER TO MINIMIZE IMPACT TO THE SITE'S DAY-TO-DAY OPERATIONS.
- 3. MAINTAIN PUBLIC ACCESS FOR THE DURATION OF THE PROJECT, OR AS REQUIRED BY
- 4. AN ON-SITE STORAGE AREA IS TO BE ESTABLISHED DURING CONSTRUCTION. STORAGE IS TO BE PROTECTED IN A SECURE WEATHERPROOF LOCATION TO PREVENT DAMAGE TO THE CONTENTS.
- 5. PROVIDE REGULAR SITE CLEAN UP. STORE MATERIALS IN A NEAT AND ORDERLY
- 6. DO NOT PLACE LOADS ON THE EXISTING ADJACENT STRUCTURES OR STORE DEMOLISHED MATERIALS ON THE STRUCTURES IN A MANNER THAT WILL DAMAGE THEM.
- 7. WORKERS SHALL BE PROPERLY DRESSED AND DISPLAY APPROPRIATE BEHAVIOR AT ALL TIMES IN CONSTRUCTION AND ADJACENT AREAS.
- 8. REPAIR/RESTORE DAMAGED LAWN OR OTHER LANDSCAPING AT COMPLETION OF THE WORK AT NO COST TO OWNER.
- 9. REFERENCE "TOWN OF SOUTH PADRE ISLAND BUILDING CONSTRUCTION SITE MANAGEMENT NOTICE" FOR ADDITIONAL REQUIREMENTS.

SITE MAINTENANCE

- REF. SHEET S1.4 FOR SITE IMPROVEMENT PLAN

AT WHITE CAP CIRCLE BEACH ACCESS

- 1. MAINTAIN AREAS FREE OF WASTE MATERIALS, DEBRIS, AND RUBBISH.
- 2. MAINTAIN SITE IN A CLEAN AND ORDERLY CONDITION, AREAS USED AS PATHWAYS TO TRANSPORT MATERIALS OR TO REMOVE TRASH THAT ARE NOT DIRECTLY UNDER CONSTRUCTION ARE TO BE KEPT CLEAN.

FIRE PROTECTION

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIRE PROTECTION AND FIRE WATCH DURING ALL CONSTRUCTION OPERATIONS.
- 2. NO SMOKING SHALL BE PERMITTED AT THE SITE, CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY FIRE EXTINGUISHERS UNTIL SUBSTANTIAL COMPLETION.

HAZARDOUS MATERIALS ABATEMENT/ MANAGEMENT

1. THE ENGINEER HAS NO RESPONSIBILITY OR LIABILITY FOR DESIGN, REMOVAL OF, OR TESTING FOR ASBESTOS/LEAD, OR FOR ABATEMENT /MANAGERIAL TREATMENTS, MONITORING, AND LEGAL DISPOSAL OF MATERIALS. CONTRACTOR SHALL DETERMINE IF ANY HAZARDOUS MATERIAL ABATEMENT/ MANAGEMENT IS REQUIRED AND SHALL INCLUDE COSTS THEREOF IN THE BID.

GREEN, RUBIANO & ASSOCIATES

CONSULTING STRUCTURAL ENGINEERS 1220 WEST HARRISON HARLINGEN, TEXAS 78550 PH: (956)428-4461 GRA@GRAENGINEERING.COM

PROJECT

WALKOVER AT WHITE CAP CIRCLE

SOUTH PADRE ISLAND, **TEXAS**

CLIENT

CITY OF SOUTH PADRE ISLAND



SOUTH PADRE ISLAND, **TEXAS**

P: 956-761-3044 F: 956-761-3898



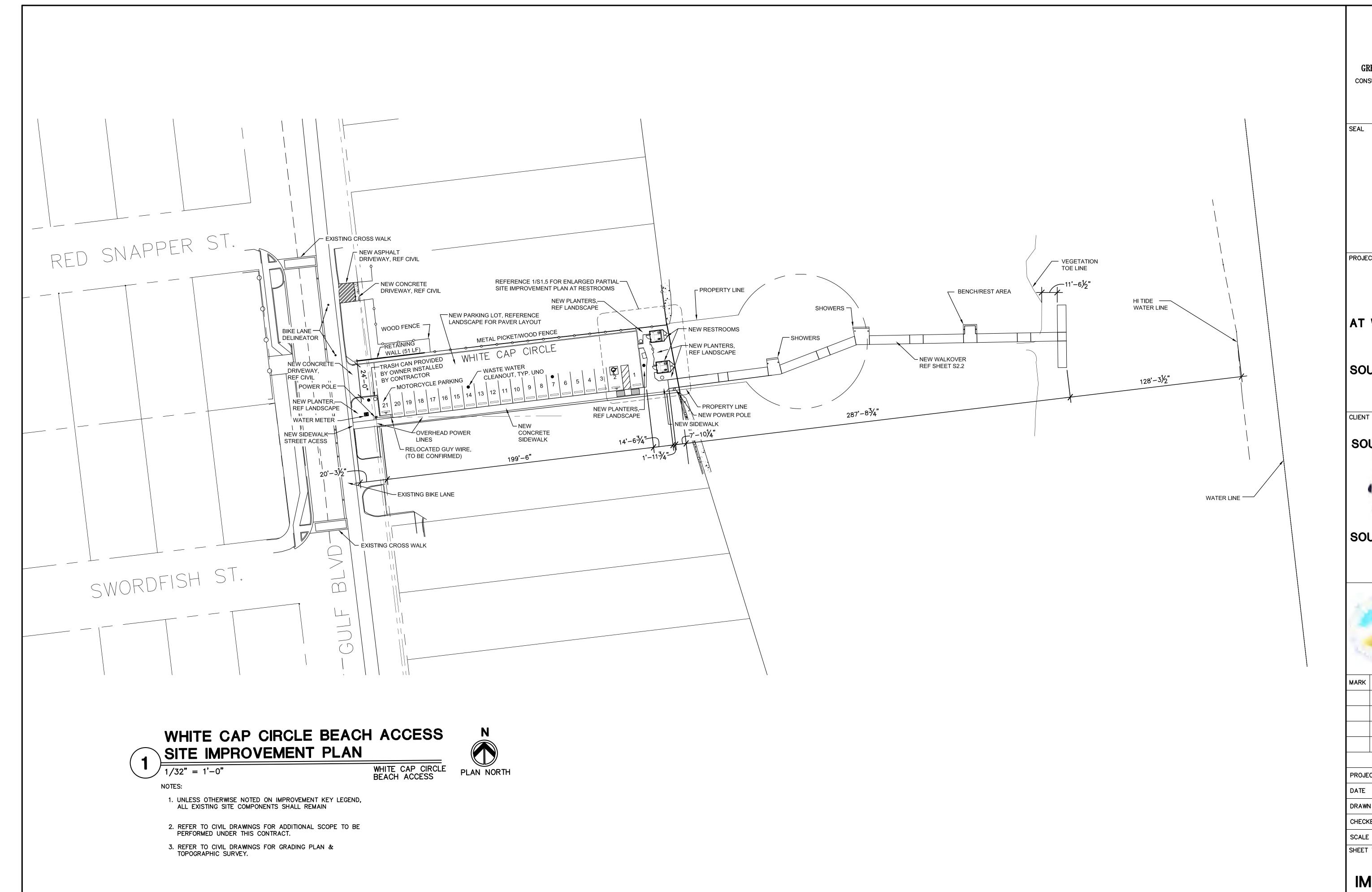
MARK	DATE	DESCRIPTION

PROJECT NO.	1065–16
DATE	11-05-2021
DRAWN BY	LC
CHECKED BY	BD
SCALE	AS SHOWN
SHEET TITLE	

SITE AERIAL AND IGENERAL NOTES

SHEET NO.

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CONSULTING STRUCTURAL ENGINEERS 1220 WEST HARRISON HARLINGEN, TEXAS 78550 PH: (956)428-4461 GRA@GRAENGINEERING.COM

PROJECT

WALKOVER AT WHITE CAP CIRCLE

SOUTH PADRE ISLAND, **TEXAS**

CITY OF



P: 956-761-3044 F: 956-761-3898





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SITE **IMPROVEMENT** PLAN

SHEET NO.

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WHITE CAP CIRCLE BEACH ACCESS SITE IMPROVEMENT PLAN

1/32" = 1'-0"

NOTES:

WHITE CAP CIRCLE PLAN NORTH

- 1. UNLESS OTHERWISE NOTED ON IMPROVEMENT KEY LEGEND, ALL EXISTING SITE COMPONENTS SHALL REMAIN
- REFER TO CIVIL DRAWINGS FOR ADDITIONAL SCOPE TO BE PERFORMED UNDER THIS CONTRACT.
- REFER TO CIVIL DRAWINGS FOR GRADING PLAN & TOPOGRAPHIC SURVEY.

BIANO & ASSO

GREEN, RUBIANO & ASSOCIATES

CONSULTING STRUCTURAL ENGINEERS

1220 WEST HARRISON
HARLINGEN, TEXAS 78550
PH: (956)428-4461
GRA@GRAENGINEERING.COM

SEAL

PROJECT

WALKOVER
AT WHITE CAP CIRCLE

SOUTH PADRE ISLAND, TEXAS

CLIENT

CITY OF SOUTH PADRE ISLAND



SOUTH PADRE ISLAND, TEXAS

> P: 956-761-3044 F: 956-761-3898





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SITE IMPROVEMENT PLAN WITH

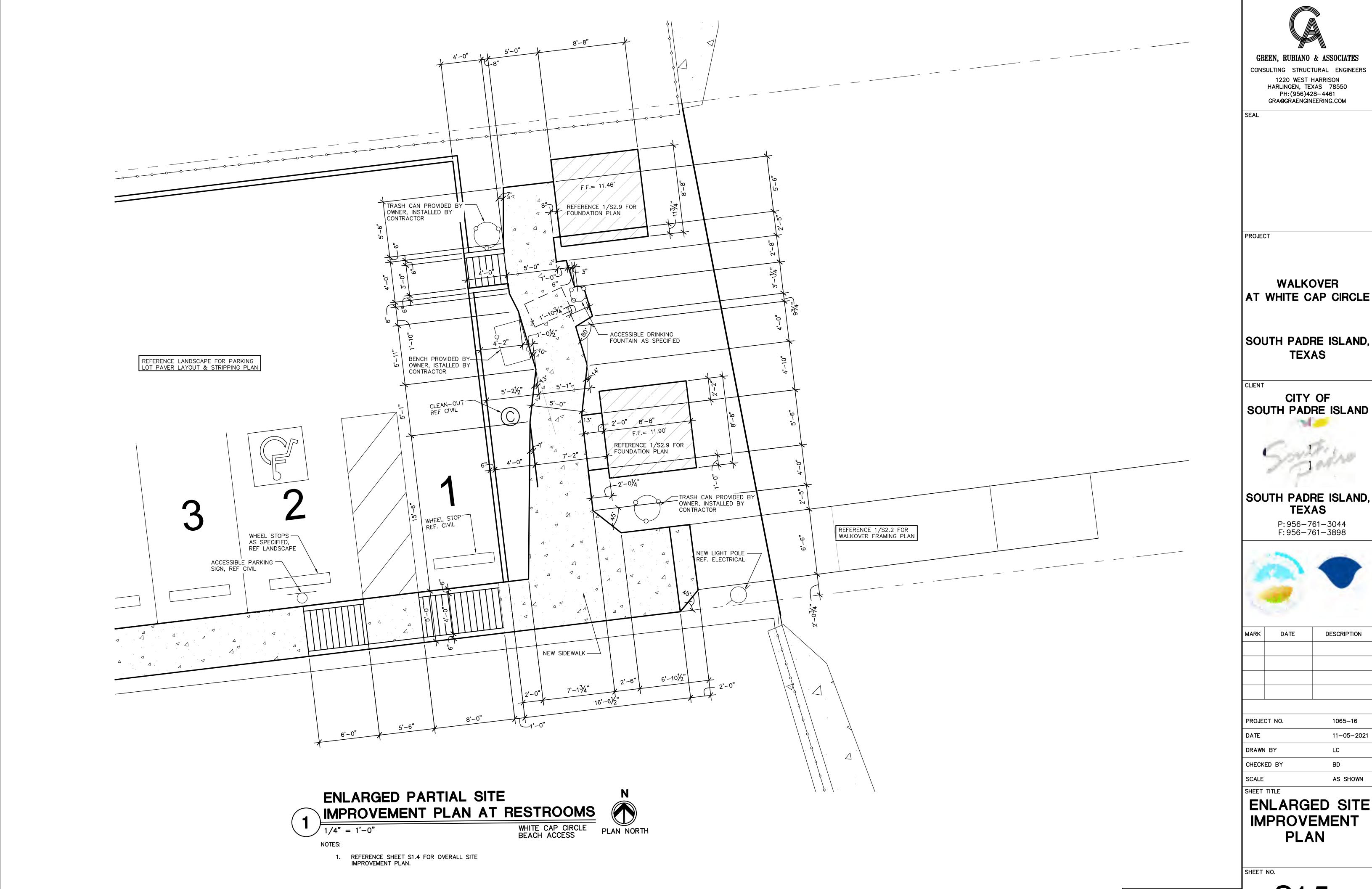
SHEET NO.

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AERIAL OVERLAY

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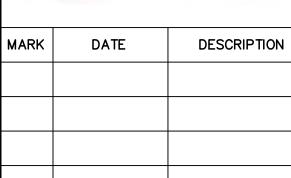
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AT WHITE CAP CIRCLE

SOUTH PADRE ISLAND





PROJECT NO.	1065–16
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ENLARGED SITE **IMPROVEMENT**

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SOUTH PADRE ISLAND **TEXAS**

CLIENT

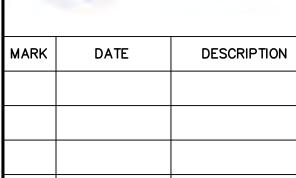
CITY OF SOUTH PADRE ISLAND



SOUTH PADRE ISLAND,

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THESE GENERAL NOTES SHALL APPLY UNLESS OTHERWISE SPECIFICALLY NOTED ON PLANS OR DETAILS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SHALL COORDINATE ALL STRUCTURAL PLANS AND DETAILS WITH ARCHITECTURAL & CIVIL DRAWINGS BEFORE STARTING WORK. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR CONTRACTOR MEANS AND METHODS OF CONSTRUCTION OR

- BREAKING WAVE LOADS ON CROSSOVER STRUCTURE
- A. BASE FLOOD ELEVATION ELEV 12'-0" B. ASSUMED GROUND ELEVATION AT STORM
- . ELEV 0'-0"
- C. COEFFICIENT OF DRAG FOR BREAKING WAVES FOR DRILLED PIER Cd = 1.75
- D. DYNAMIC PRESSURE COEFFICIENT FOR VERTICAL SURFACE CATEGORY II. Cp = 2.8
- RISK CATEGORY
- EXPOSURE FACTOR
- THE GEOTECHNICAL ENGINEER OF RECORD SHALL BE RETAINED TO PERFORM TESTING AND INSPECTIONS DURING INSTALLATION OF DRILLED PIERS AND WOOD PILES AS REQUIRED BY SPECIFICATIONS AND GENERAL STRUCTURAL NOTES.

WOOD PILES

- MAXIMUM DESIGN LOAD OF EACH PILE IS 6.0 KIPS.
- PRIOR TO PILE PLACEMENT. THE CONTRACTOR SHALL PROVIDE THE ENGINEER DATA REGARDING THE PROPOSED HAMMER AND CUSHION SYSTEM.
- PILES SHALL BE ASTM D-25, CLASS "C" TREATED, PEELED SOUTHERN YELLOW PINE OR DOUGLAS FIR. PILES SHALL BE CREOSOTED ACCORDING TO AWPA MANUAL STANDARDS C-3 WITH A MINIMUM RETENTION OF 12 POUNDS PER CUBIC
- PILES SHALL HAVE A MINIMUM BUTT DIAMETER OF 12 INCHES AND A MINIMUM TIP DIAMETER OF 8 INCHES.
- A 8 INCH DIAMETER PILOT HOLE MAY BE DRILLED TO A DEPTH OF 5 FEET ABOVE THE FINAL TIP ELEVATION TO FACILITATE PILE DRIVING. JETTING ALONG SIDE OF PILES IS NOT PERMITTED.
- PILES SHALL BE DRIVEN WITH A DYNAMIC HAMMER HAVING AN EFFECTIVE DRIVING ENERGY OF 18,000 TO 48,000 FT/LBS/BLOW.
- ADEQUATE CUSHIONING MATERIAL SHALL BE PROVIDED BETWEEN THE PILE DRIVER CAP AND THE PILE HEAD. A SOFTWOOD CUSHION WITH A THICKNESS OF 6 TO 12 INCHES IS PREFERRED.
- THE PILE DRIVING HELMET OR CAP SHALL BE SUFFICIENTLY LOOSE AROUND THE PILE BUTT SO AS NOT TO DEVELOP TORSIONAL STRESSES IN THE PILE DURING INSTALLATION, HOWEVER THE HELMET SHOULD BE CAPABLE OF CONTROLLING PILE
- THE ENTIRE HAMMER-CUSHION-PILE SYSTEM SHOULD BE COMPATIBLE AND CAPABLE OF DRIVING PILES TO THE DESIGN PENETRATIONS WITHOUT DAMAGING PILES. BLOW COUNTS CONSISTENTLY IN EXCESS OF 50 BLOWS/FOOT ARE NOT IN
- 10. PILES SHALL BE PROPERLY ALIGNED PRIOR TO DRIVING AND HELD WITH FIXED LEADS. REALIGNMENT ONCE DRIVING HAS COMMENCED IS NOT PERMITTED.
- PIERS ARE SIZED FOR AN ALLOWABLE SIDE SHEAR VALUE OF 200 PSF AND

ALLOWABLE BEARING CAPACITY OF 3,500 PSF BASED ON TOTAL LOAD.

- EACH PIER SHAFT SHALL BE INSPECTED BY QUALIFIED GEOTECHNICAL OR A/E PERSONNEL TO INSURE PROPER BEARING AT SCHEDULED ELEVATION AND TO VÉRIFY STRATAS NOTED IN THE GEOTECHNICAL REPORT.
- ALL PIERS SHALL BE CENTERED ON BEAMS UNLESS OTHERWISE SHOWN.
- DRILL PIERS TO THE EXACT SIZE SHOWN. SHAFTS SHALL BE BORED PLUMB WITH A TOLERANCE OF TWO INCHES, INSTALL OFFSET STAKES ON OPPOSITE SIDES OF THE PIER AND USE TO MAINTAIN THE PIER CENTERS AND TO CHECK THE PIER PLUMBNESS. FOOTING BOTTOMS SHALL BE INSPECTED FOR A MAXIMUM OF ONE INCH (1") OF LOOSE DIRT AND TWO INCHES (2") OF GROUND WATER IMMEDIATELY PRIOR TO PLACING CONCRETE. IF MACHINE CLEANING IS NOT SATISFACTORY TO ARCHITECT/ENGINEER, HAND CLEANING WILL BE REQUIRED.
- FOR ESTIMATING PURPOSES, CARRY ALL PIERS TO THE DEPTHS INDICATED ON THE DRAWINGS. WHEN DIRECTED BY THE ARCHITECT/ ENGINEER, PIERS SHALL BE ADJUSTED AS REQUIRED TO MEET DESIGN REQUIREMENTS ADJUSTMENTS WILL BE SPECIFIED IN THE CONTRACT PRICE FOR DEPTH ADJUSTMENTS IN ACCORDANCE WITH THE UNIT PRICES QUOTED IN THE CONTRACTOR'S BID.
- DUE TO SUBSURFACE STRATIGRAPHY AND WATER LEVELS ENCOUNTERED DURING DRILLING OPERATIONS, IF THE CONTRACTOR CANNOT INSTALL THE RECOMMENDED PIER AT THE REQUIRED DEPTH. THE ENGINEER MUST BE CONTACTED IMMEDIATELY
- PROVIDE SUITABLE ACCESS AND LIGHTING FOR INSPECTION OF THE EXCAVATIONS FOR CLEANLINESS AND FOR CORRECTNESS OF DIMENSIONS AND ALIGNMENT.
- PLACEMENT OF CONCRETE SHALL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER EXCAVATION IS COMPLETE, REINFORCING CAGE IS PLACED AND INSPECTED. THE CONCRETE SHOULD NOT BE ALLOWED TO RICOCHET OFF THE WALLS OF THE PIER EXCAVATION NOR OFF OF THE REINFORCING STEEL. PLACEMENT OF CONCRETE SHALL COMPLY WITH AMERICAN CONCRETE INSTITUTE (ACI) 318-89 CODE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" AND ACI 336-3R-72 ENTITLED "SUGGESTED DESIGN AND CONSTRUCTION PROCEDURES FOR PIER FOUNDATIONS". NO PIER EXCAVATION SHALL BE LEFT OPEN OVERNIGHT WITHOUT CONCRETING.
- CASINGS SHALL BE REQUIRED TO PREVENT CAVING OF SOIL AND SEEPAGE OF WATER INTO THE DRILLED FOOTINGS. CASINGS SHALL BE METAL WITH AMPLE STRENGTH TO WITHSTAND HANDLING STRESSES. CONCRETE AND EARTH PRESSURES, AND SHALL BE WATERTIGHT. CONTRACTORS SHALL FURNISH UNIT PRICES FOR CASING OF DIFFERENT SIZE PIER SHAFTS.
- 10. AS AN ALTERNATE TO USING CASINGS TO INSTALL THE PIERS, THE SLURRY METHOD MAY BE CONSIDERED.

CONCRETE

- ALL CONCRETE WORK SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE SPECIFICATION, A.C.I. #301 AND BUILDING CODE REQUIREMENTS, A.C.I. #318, LATEST EDITION.
- ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS, UNLESS OTHERWISE NOTED, MUST FOLLOW THE A.C.I. "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE", A.C.I. #315, LATEST EDITION.
- CONCRETE SHALL HAVE A MINIMUM COMPRESSION STRENGTH OF 4000 PSI AT 28 DAYS. PORTLAND CEMENT SHALL MEET ASTM C150, TYPE II (MODERATE).
- A MAXIMUM OF 25% FLYASH MAY BE USED AS A CEMENT SUBSTITUTE AND SHALL CONFORM TO ASTM C618, CLASS C. THE WATER/CEMENT RATIO SHALL NOT EXCEED 0.5 AND SLUMPS SHALL BE 5 INCHES (±1 INCH). CONCRETE FOR PIERS SHALL BE DESIGNED TO ACHIEVE SPECIFIED STRENGTH WHEN PLACED WITH A SEVEN (7) INCH (± 1) SLUMP. AGGREGATE SHALL BE WELL-GRADED, 1" MAXIMUM FOR THE SLAB ON GRADE, 1" MAXIMUM FOR CAST-IN-PLACE BEAMS AND ABOVE GRADE SLABS. COARSE AGGREGATE SHALL MEET ASTM C33, GRADATION #57. A QUALIFIED TESTING LABORATORY SHALL BE RETAINED TO FURNISH MIX DESIGNS FOR ALL CLASSES OF CONCRETE. A SAMPLE OF FOUR CYLINDERS SHALL BE TAKEN NOT LESS THAN ONCE A DAY, NOR LESS THAN ONCE FOR EACH 100 YD3 OF CONCRETE. ONE CYLINDER SHALL BE TESTED AT 7 DAYS AND TWO AT 28 DAYS. THE FOURTH CYLINDER MAY BE DISPOSED OF AFTER 45 DAYS IF NOT USED.
- ADMIXTURES CONTAINING WATER SOLUBLE CHLORIDE IONS GREATER THAN 0.06% BY WEIGHT OF CEMENT SHALL NOT BE USED.
- REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A-615, GRADE 60. #3 BARS MAY BE GRADE 40.
- STANDARD PROTECTIVE COVER OF REINFORCING BARS UNLESS OTHERWISE NOTED SHALL BE:
 - WHERE CAST AGAINST DIRT OR FILL 3 IN. EXPOSED TO EARTH OR WEATHER 2 IN. SLABS AND WALLS 1 IN. OTHER .. 1–1/2 IN.
- ALL ACCESSORIES SHALL BE IN ACCORDANCE WITH THE A.C.I. "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE", A.C.I. #315, LATEST EDITION. ACCESSORIES FOR EXPOSED CONCRETE SOFFITS SHALL HAVE PLASTIC COATED FEET.
- SLAB MAT TO BE SUPPORTED BY REINFORCING BAR CHAIRS SPACED AT 4 FEET ON CENTER EACH WAY (MAX). BEAM CAGES SUPPORTED BY CHAIRS AT 4 FEET ON CENTER.
- ALLOW 2.0 TON OF REINFORCING BARS #4 OR LARGER TO BE USED AS DIRECTED IN FIELD FOR SPECIAL CONDITIONS (LABOR FOR PLACING SAME TO BE INCLUDED) CREDIT OWNER FOR UNUSED MATERIAL & LABOR.
- MAINTAIN A MINIMUM OF ONE AND ONE-HALF (1-1/2) TIMES THE MAXIMUM COARSE AGGREGATE SIZE BETWEEN ALL REINFORCING BARS (EXCEPT AT LAPS).
- BARS SCHEDULED OR DETAILED "CONT" SHALL BE LAPPED 48 BAR DIAMETERS (24 INCHES MINIMUM) UNLESS OTHERWISE NOTED. ON REINFORCED CONCRETE BEAMS. SPLICES OF BEAM BOTTOM BARS SHALL BE LAPPED AT THE COLUMN SUPPORTS, AND SPLICES OF TOP BARS SHALL BE LAPPED AT THE MIDDLE THIRD OF THE SPAN OF THE BEAM.
- WHERE CONCRETE IS TO HAVE UNEXPOSED SURFACES, THE FORMS MAY BE CONSTRUCTED OF #2 LUMBER OR BETTER. WHERE SURFACES ARE EXPOSED, SUCH AS FOR FINISH PAINTING THE FORMS SHALL BE COMMERCIAL STANDARD DOUGLAS FIR, MOISTURE-RESISTANT CONCRETE FORM PLYWOOD; MINIMUM 5-PLY AND AT LEAST 9/16" THICK, OR FORMS LINED WITH COMMERCIAL STANDARD DOUGLAS FIR CONCRETE FORM EXTERIOR, 3-PLY, NOT LESS THAN 1/4" THICK, WHERE CONCRETE IS EXPOSED. A SMOOTH SURFACE IS REQUIRED. FREE FROM FINS. HONEYCOMB, FORM MARKS OR OTHER DEFECTS.
- 14. CONSTRUCT FORMS SO THAT JOINTS ARE LEAKPROOF. MAINTAIN FORMS SUFFICIENTLY RIGID TO PREVENT DEFORMATION UNDER LOAD.
- 15. COLUMN FORMS AND BEAMS SIDE FORMS MAY BE REMOVED 48 HOURS AFTER CONCRETE PLACEMENT, BEAM AND SLAB BOTTOM FORMS AND SHORING MAY BE REMOVED AFTER CONCRETE COMPRESSIVE STRENTH REACHES 3000 PSI OR GREATER.
- CONCRETE MAY BE PLACED WITH CHUTES UP TO 25' MAXIMUM. SLUMP SHALL NOT EXCEED 6" AT TRUCK DISCHARGE POINT.
- 17. CONCRETE PLACED BY PUMPING SHALL MEET THE FOLLOWING REQUIREMENTS:
- COARSE AGGREGATE SHALL BE GRADED FROM A MAXIMUM OF 1" DOWN
- MAXIMUM ALLOWABLE INCREASE IN CEMENT FACTOR SHALL BE 1/2 SACK PER CUBIC YARD OVER NORMAL MIX DESIGN.
- MAXIMUM WATER CEMENT RATIO SHALL BE 7-1/2 GALLONS PER SACK OF CEMENT. IF MORE WORKABILITY IS REQUIRED, AN ADMIXTURE MAY BE USED. MAXIMUM WEIGHT RATIO OF FINE AGGREGATES TO COARSE AGGREGATES SHALL
- NOT EXCEED 2/3. REFER TO A.C.I. #301, LATEST EDITION, SECTION 800, FOR OTHER PUMPING REQUIREMENTS.
- f) IN NO CASE SHALL CONCRETE BE PUMPED THROUGH AN ALUMINUM TUBE.
- q) SLUMP SHALL NOT EXCEED 6" AT TRUCK DISCHARGE POINT.
- 18. FLOOR FINISH (TOLERANCES)
- a) STEEL TROWEL FINISH 1/8" IN 10'
- b) FLOAT FINISH 1/4" IN 10'
- SCRATCH FINISH 1/2" IN 10'
- IN ALL INSTANCES MINIMUM SLAB THICKNESS SHALL BE PROVIDED. COORDINATE SLAB FINISH REQUIREMENTS WITH PLANS/SPECIFICATIONS. REFERENCE PLANS AND/OR SPECIFICATIONS FOR CONCRETE FINISHES.
- CONCRETE TO BE CURED IN ACCORDANCE WITH ACI RECOMMENDATIONS. PROPOSED METHOD OF CURING TO BE COORDINATED WITH ENGINEER PRIOR TO CONCRETE PLACEMENT.
- 20. SHOP DRAWINGS SHALL BE PREPARED FOR ALL REINFORCING STEEL AND SUBMITTED FOR REVIEW BY ENGINEER. SUBMITTALS SHALL BE TRANSMITTED AS A SINGLE ELECTRONIC FILE (PDF FORMAT). ENGINEERING DRAWINGS SHALL NOT BE REPRODUCED AND USED ÀS SHOP DRÁWINGS.
- THE CONTRACTOR SHALL REVIEW AND ANNOTATE SHOP DRAWINGS BEFORE SUBMITTING THEM TO THE ARCHITECT/ENGINEER FOR REVIEW. THE CONTRACTOR SHALL ALLOW ARCHITECT/ENGINEER 10 WORKING DAYS FOR REVIEW OF SHOP DRAWINGS.
- 22. ENGINEER TO BE NOTIFIED 24 HOURS PRIOR TO PLACEMENT OF FOUNDATION AND OF STRUCTURAL CONCRETE TO SCHEDULE REQUIRED INSPECTIONS.

STRUCTURAL STEEL

- ALL STRUCTURAL STEEL SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
- 2. ALL MEMBERS SHALL BE FULL LENGTH WITHOUT SPLICES UNLESS INDICATED ON PLANS OR APPROVED BY THE ENGINEER IN WRITING.
- 3. ALL SHOP AND FIELD WELDS SHALL BE MADE BY WELDERS WHO HAVE BEEN QUALIFIED AND CERTIFIED TO MAKE THE REQUIRED WELDS IN ACCORDANCE WITH THE LATEST AMERICAN WELDING SOCIETY SPECIFICATIONS (A.W.S. D-1.1).
- WELDS SHALL BE MADE WITH COVERED MILD STEEL ELECTRODES COMPLYING WITH AWS D1-72 CODE AND SERIES E 70XX.
- . ERECTION CONNECTORS SHALL BE PROVIDED IN ORDER TO PROPERLY ALIGN AND

BE TRUE AND PLUMB WHEN WELDS ARE MADE.

- 6. ALL COMPLETE PENETRATION WELDS, BOTH SHOP AND FIELD, SHALL BE TESTED BY A QUALIFIED TESTING LABORATORY UTILIZING ULTRA SONIC TESTING PROCEDURES IN ACCORDANCE WITH AWSD1.1 ANY WELDS FOUND DEFECTIVE SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE OWNER. ALL X-RAYED WELDS SHALL BE GROUND SMOOTH.
- 7. THE FABRICATOR SHALL SUPPLY BACK-UP PLATES AND EXTENSION TABS FOR ALL COMPLETE PENETRATION WELDS.
- 8. ALL STEEL MEMBERS, UNLESS NOTED OTHERWISE, SHALL STAINLESS STEEL.
- AFTER ERECTION, PRIME WELDS, ABRASIONS AND SURFACES NOT PRIMED. USE PRIMER CONSISTENT WITH STEEL FINISH.
- 10. FIELD WELDS SHALL BE VISUALLY INSPECTED BY A QUALIFIED INDEPENDENT INSPECTOR. THE INSPECTOR SHALL PROVIDE A WRITTEN REPORT TO THE STRUCTURAL ENGINEER.
- 11. A SINGLE ELECTRONIC FILE (PDF FORMAT) SHOP DRAWINGS SHALL BE PREPARED FOR ALL STRUCTURAL STEEL COMPONENTS AND SUBMITTED FOR REVIEW BY ENGINEER. ENGINEERING DRAWINGS SHALL NOT BE REPRODUCED AND USED AS SHOP DRAWINGS.
- 12. THE CONTRACTOR SHALL REVIEW AND ANNOTATE SHOP DRAWINGS BEFORE SUBMITTING THEM TO THE ARCHITECT/ENGINEER FOR REVIEW. THE CONTRACTOR SHALL ALLOW ARCHITECT/ENGINEER 10 WORKING DAYS FOR REVIEW OF SHOP
- 13. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED FOR A FRAMING OBSERVATIONS IMMEDIATELY AFTER ROOF DECK IS INSTALLED AND BEFORE INSTALLATION OF THE

FASTENERS

- CAST-IN-PLACE AND POST-INSTALLED ANCHORS SHALL BE PER ANCHOR DIAMETER AND EMBEDMENT DEPTH NOTED ON THE DRAWINGS. POST-INSTALLED ANCHORS SHALL BE UTILIZED ONLY WHERE SPECIFIED. ALL ANCHORS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153
- 2. ALL ANCHORS NOTED BELOW SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL CONTACT MANUFACTURER'S REPRESENTATIVE FOR THE INITIAL TRAINING AND INSTALLATION OF ANCHORS, AND FOR PRODUCT RELATED QUESTIONS AND AVAILABILITY.
- 3. SPECIAL INSPECTIONS SHALL BE PROVIDED FOR ALL MECHANICAL AND ADHESIVE ANCHORS PER THE APPLICABLE EVALUATION REPORT NOTED BELOW. SPECIAL INSPECTIONS SHALL BE PERFORMED BY INDEPENDENT TESTING LABORATORY PERFORMING QA/QC SERVICES ON PROJECT.
- 4. EXPANSION BOLTS (EB) IN CONCRETE/CMU SHALL BE TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193. ACCEPTABLE PRODUCTS:
- A. KWIK BOLT III (ICC-ES ESR-2302) BY HILTI (CONCRETE)
- B. KWIK BOLT III (ICC-ES-ESR-1385) BY HILTI (MASONRY)
- C. STRONG-BOLT 2 (ICC-ES ESR-3037) BY SIMPSON STRONG-TIE (CONCRETE)
- D. WEDGE-ALL ANCHOR (ICC-ES ESR-1396) BY SIMPSON STRONG-TIE (MASONRY) HEAVY DUTY SLEEVE ANCHORS IN CONCRETE/CMU SHALL BE TESTED AND QUALIFIED OR USE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193.
- EXPANSION BOLTS (EB) SHALL NOT BE SUBSTITUTED FOR SLEEVE ANCHORS WITHOUT PRIOR WRITTEN APPROVAL BY STRUCTURAL ENGINEER. ACCEPTABLE
- A. HSL-3 (ICC-ES ESR-1545) BY HILTI (CONCRETE)
- SCREW ANCHORS IN CONCRETE SHALL BE TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193. ACCEPTABLE PRODUCTS:
- A. KWIK HUS-EZ (ICC-ES ESR-3027) BY HILTI (CONCRETE)
- B. KWIK HUS-EZ (ICC-ES ESR-3056) BY HILTI (MASONRY)
- C. TITEN HD (ICC-ES ESR-2713) BY SIMPSON STRONG-TIE (CONCRETE)
- D. TAPCON ANCHORS (ICC-ES ESR-1671) (MASONRY)
- E. POWERS WEDGE BOLT (ICC-ES ESR-1678) (MASONRY)
- UNDERCUT ANCHORS IN CONCRETE SHALL BE TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193. ACCEPTABLE PRODUCTS:
- A. HDA (ICC-ES ESR-1546) BY HILTI (CONCRETE)
- B. TORQ-CUT (ICC-ES ESR-2705) BY SIMPSON STRONG-TIE (CONCRETE)
- 8. POWDER ACTUATED FASTENERS IN CONCRETE/CMU SHALL BE TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193. ACCEPTABLE PRODUCTS:
- A. X-U (ICC-ES ESR-2269) BY HILTI (CONCRETE/MASONRY)
- B. POWDER ACTUATED FASTENERS (ICC-ES ESR-2138) BY SIMPSON STRONG TIE (CONCRETE/MASONRY)
- ADHESIVE ANCHORS IN CONCRETE/CMU SHALL BE TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308. ACCEPTABLE PRODUCTS:

C. SET-XP (ICC-ES ESR-2508) BY SIMPSON STRONG-TIE (CONCRETE)

- A. HIT-RE 500-SD (ICC-ES ESR-2322) BY HILTI (CONCRETE)
- B. HIT-HY 150 MAX (ICC-ES ESR-1967) BY HILTI (MASONRY)
- D. SET (ICC-ES ESR-1772) BY SIMPSON STRONG-TIE (MASONRY)

FASTENERS CONTINUED:

- 10. J-BOLTS SHALL BE FABRICATED FROM ASTM A36/A307 ROD. BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED. EXPANSION BOLTS/SLEEVE ANCHORS SHALL NOT BE SUBSTITUTED FOR J-BOLTS WITHOUT PRIOR WRITTEN APPROVAL BY STRUCTURAL ENGINEER.
- 11. HEADED ANCHOR RODS SHALL BE FABRICATED FROM ASTM F1554 MATERIAL,
- 12. SUBSTITUTION REQUESTS FOR PRODUCTS LISTED ABOVE SHALL BE SUBMITTED BY THE CONTRACTOR TO THE STRUCTURAL ENGINEER ALONG WITH CALCULATIONS THAT ARE PREPARED & SEALED BY A REGISTERED PROFESSIONAL ENGINEER. THE CALCULATIONS SHALL DEMONSTRATE THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERTINENT EQUIVALENT PERFORMANCE VALUES OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARDS. SUBSTITUTED ANCHORS SHALL HAVE A VALID CURRENT EVALUATION (ICC-ES OR IAPMO-ES) REPORT.

ROUGH CARPENTRY SPECIFICATIONS AND NOTES

- ROUGH CARPENTRY SHALL COMPLY WITH THE PROVISIONS OF THE 2009 EDITION OF THE INTERNATIONAL BUILDING CODE.
- 2. ALL LUMBER USED FOR LOAD SUPPORTING PURPOSES SHALL BE IDENTIFIED BY THE GRADE MARK OF AN APPROVED LUMBER GRADING OR INSPECTION BUREAU OR
- 3. ALL LUMBER SHALL BE PRESERVATIVELY TREATED AND SHALL BEAR AN APPROVED AWPB QUALITY MARK. THE QUALITY MARK SHALL BE ON A STAMP OR LABEL AFFIXED TO THE PRESERVATIVE-TREATED WOOD, AND SHALL INCLUDE THE FOLLOWING INFORMATION:
 - A. IDENTIFICATION OF TREATING MANUFACTURER.
 - B. TYPE OF PRESERVATIVE USED.
 - C. MINIMUM PERSERVATIVE RETENSION (pcf).

D. END USE FOR WHICH THE PRODUCT IS TREATED.

- E. AWPA STANDARD TO WHICH THE PRODUCT WAS TREATED.
- F. IDENTITY OF THE ACCREDITED INSPECTION AGENCY.
- 4. FRAMING LUMBER MOISTURE CONTENT SHALL NOT EXCEED 19 PERCENT AT TIME OF INSTALLATION.
- MATERIALS

FRAMING LUMBER

<u>USE-ITEM</u>	LUMBER SPECIES	MINIMUM GRADE
JOISTS, BEAMS	SOUTHERN PINE	#2
PLANKS	2x6 WOOD COMPOSITE DECKING	SEE MFR REQUIREMENTS
FASTENERS	COMI CONTE DECKING	

SPLICES IN HORIZONTAL MEMBERS SHALL OCCUR ONLY OVER BEARING POINTS. LAP MEMBERS WHICH BEAR ON PLATES TO PROVIDE FULL BEARING FOR EACH

7. STRUCTURAL MEMBERS WHOSE STRENGTH IS IMPAIRED BY IMPROPER CUTTING,

1. NAILS AND BOLTS SHALL BE STAINLESS STEEL.

DRILLING, OR EXCESSIVE DEFECTS SHALL BE REPLACED OR REINFORCED IN A MANNER ACCEPTABLE TO THE ENGINEER. 8. PROVIDE SOLID BLOCKING BETWEEN FLOOR JOISTS AT BEARING LOCATIONS AND AT

MID OPENING OF SPANS GREATER THAN 8'-0" OR AS NOTED. BLOCKING TO MATCH

S. VERTICAL FRAMING MEMBERS SHALL BE CONTINUOUS LENGTH WITHOUT SPLICING.

SIZE OF FRAMING MEMBER. 9. ALL METAL HANGERS, ETC., SHALL BE STAINLESS STEEL

EVALUATION OF THE ENGINEER.

- WOOD COMPOSITE DECKING MATERIAL FOR PLANKS NOMINAL SIZE OF WOOD COMPOSITE DECKING MATERIAL FOR PLANKS SHALL BE
- 2"x6" BOARD. 2. WOOD COMPOSITE DECKING BOARD MANUFACTURED BY TREX COMPANY, INC., OR EQUIVALENT COMPOSITE DECKING BOARDS MAY BE USED SUBJECT TO REVIEW AND
- . WOOD COMPOSITE DECKING SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S
- SPECIFICATIONS, PROCEDURES AND REQUIREMENTS.

FOLLOWING FOR REVIEW AND EVALUATION:

- 4. ALL FASTENERS SHALL BE MADE OF STAINLESS STEEL. 5. DECKING SHALL BE DESIGNED AND INSTALLED TO LIMIT BENDING DEFLECTION UNDER TOTAL LOAD TO LESS THAN OR EQUAL TO L/360. DESIGN LIVE LOAD IS
- A. PRODUCT DATA INCLUDING SPECIFICATIONS, PRODUCT HANDLING, AND INTALLATION INSTRUCTION.

6. THE CONTRATOR AND MANUFACTURER SHALL SUBMIT TO THE ENGINEER THE



TEXAS



MARK	DATE	DESCRIPTION

GENERAL STRUCTURAL NOTES

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SITE SAFETY. DESIGN, CONSTRUCTION, WORKMANSHIP AND MATERIALS SHALL COMPLY WITH THE CONTROLLING PROVISIONS OF THE 2012 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC). DESIGN CRITERIA LIVE LOAD 100 PSF

WIND LOAD: BASED ON ASCE 7-16 REQUIREMENTS FOR 140 MPH WIND.

LINE WITH GOOD PRACTICE.

DRILLED PIERS

SPECIAL INSPECTIONS INDEPENDENT OF THE CONTRACTOR, THE ARCHITECT, OR THE ENGINEER, SHALL BE PROVIDED BY A SPECIAL INSPECTOR EMPLOYED BY THE OWNER ACCORDING TO CHAPTER 17 OF THE IBC 2018. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS. THE SPECIAL INSPECTOR SHALL SEND WRITTEN REPORTS TO THE OWNER, THE ARCHITECT, THE ENGINEER AND THE CONTRACTOR. THE REPORTS SHALL INDICATE IF WORK INSPECTED WAS DONE IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE SPECIAL INSPECTOR SHALL BRING THE DISCREPANCIES TO THE ATTENTION OF THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING THAT THE SPECIAL INSPECTION WORK WAS, TO THE BEST OF THEIR KNOWLEDGE, IN OR NOT IN CONFORMANCE WITH THE DRAWINGS, SPECIFICATIONS AND APPLICABLE WORKMANSHIP PROVISIONS OF THE IBC 2018.

CONTINUOUS OR PERIODIC SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING WORK:

REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		x
PERFORM CLASSIFICATION AND TESTING OF SELECT FILL MATERIALS		X
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF SELECT FILL	×	
PRIOR TO PLACEMENT OF SELECT FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY		X

REQUIRED VERIFICATION AND INSPECTION OF PIER FOUNDATIONS

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
OBSERVE DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS OF EACH PIER	X	
VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM PIER DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END BEARING STRATA CAPACITY	X	
FOR CONCRETE PIERS, PERFORM ADDITIONAL INSPECTIONS	AS REQUIRED FO	OR CONCRETE

FOR CONCRETE PIERS, PERFORM ADDITIONAL INSPECTIONS AS REQUIRED FOR CONCRETE CONSTRUCTION

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC
INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT		х
INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE	X	
VERIFY USE OF REQUIRED DESIGN MIX		X
PERFORM SLUMP AND AIR CONTENT TEST, AND DETERMINE THE TEMPERATURE OF THE CONCRETE AT THE TIME OF SAMPLING FRESH CONCRETE FOR MAKING SPECIMENS FOR STRENGTH TESTS PER ACI 318	x	
INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	Х	
INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		X
INSPECTION OF PRESTRESSED CONCRETE APPLICATION OF PRESTRESSING FORCES	X	
VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS		x
ERECTION OF PRECAST CONCRETE MEMBERS		×
INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED		×

REQUIRED VERIFICATION AND INSPECTION OF ANCHORS

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC
CAST-IN-PLACE, POST-INSTALLED, MECHANICAL AND EPOXY SET ANCHORS: AS APPLICABLE, THE INSPECTION PROGRAM SHALL VERIFY THE ANCHOR TYPE, EMBEDMENT, TIGHTENING TORQUE, DIMENSIONS, HOLE DEPTH & DIAMETER AND CLEANOUT, EPOXY MIXING AND PLACEMENT PROCEDURES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE CURRENT ICC-ES EVALUATION REPORT	FREQUENCY OF INSPECTION SHACCORDANCE CURRENT ICC-EVALUATION REPORT THE SPECTION REQUIREMENTS ANCHOR SUBSWHICHEVER IS STRINGENT	HALL BE IN WITH THE SES EPORT, OR CHAL SE OF THE TRATE,

REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC
MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS		×
INSPECTION OF HIGH STRENGTH BOLTING		х
INSPECTION OF WELDING:		
COMPLETE AND PARTIAL PENETRATION GROOVE WELDS	Х	
MULTIPASS FILLET WELDS	X	
SINGLE-PASS FILLET WELDS		Х
FLOOR AND ROOF DECK WELDS		X
INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS		X



GREEN, RUBIANO & ASSOCIATES

CONSULTING STRUCTURAL ENGINEERS

1220 WEST HARRISON
HARLINGEN, TEXAS 78550
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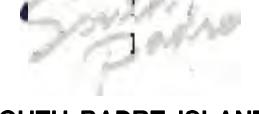
PROJECT

WALKOVER AT WHITE CAP CIRCLE

SOUTH PADRE ISLAND, TEXAS

CLIENT

CITY OF SOUTH PADRE ISLAND



SOUTH PADRE ISLAND, TEXAS

> P: 956-761-3044 F: 956-761-3898



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ROJECT NO.	1065–16
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SHEET TITLE

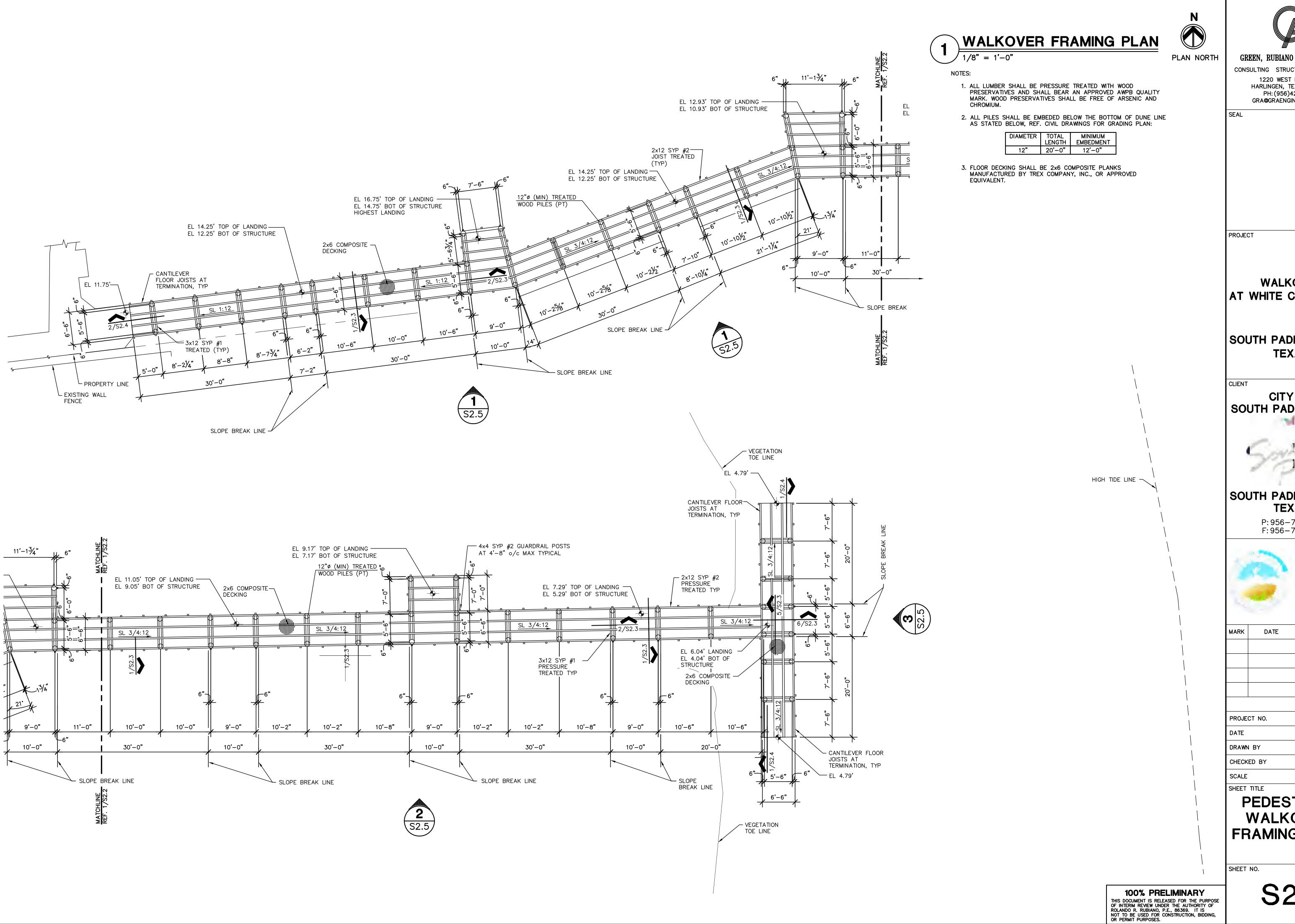
GENERAL STRUCTURAL NOTES

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WALKOVER AT WHITE CAP CIRCLE

SOUTH PADRE ISLAND, **TEXAS**

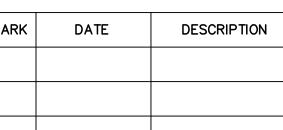
CITY OF SOUTH PADRE ISLAND



SOUTH PADRE ISLAND, **TEXAS**

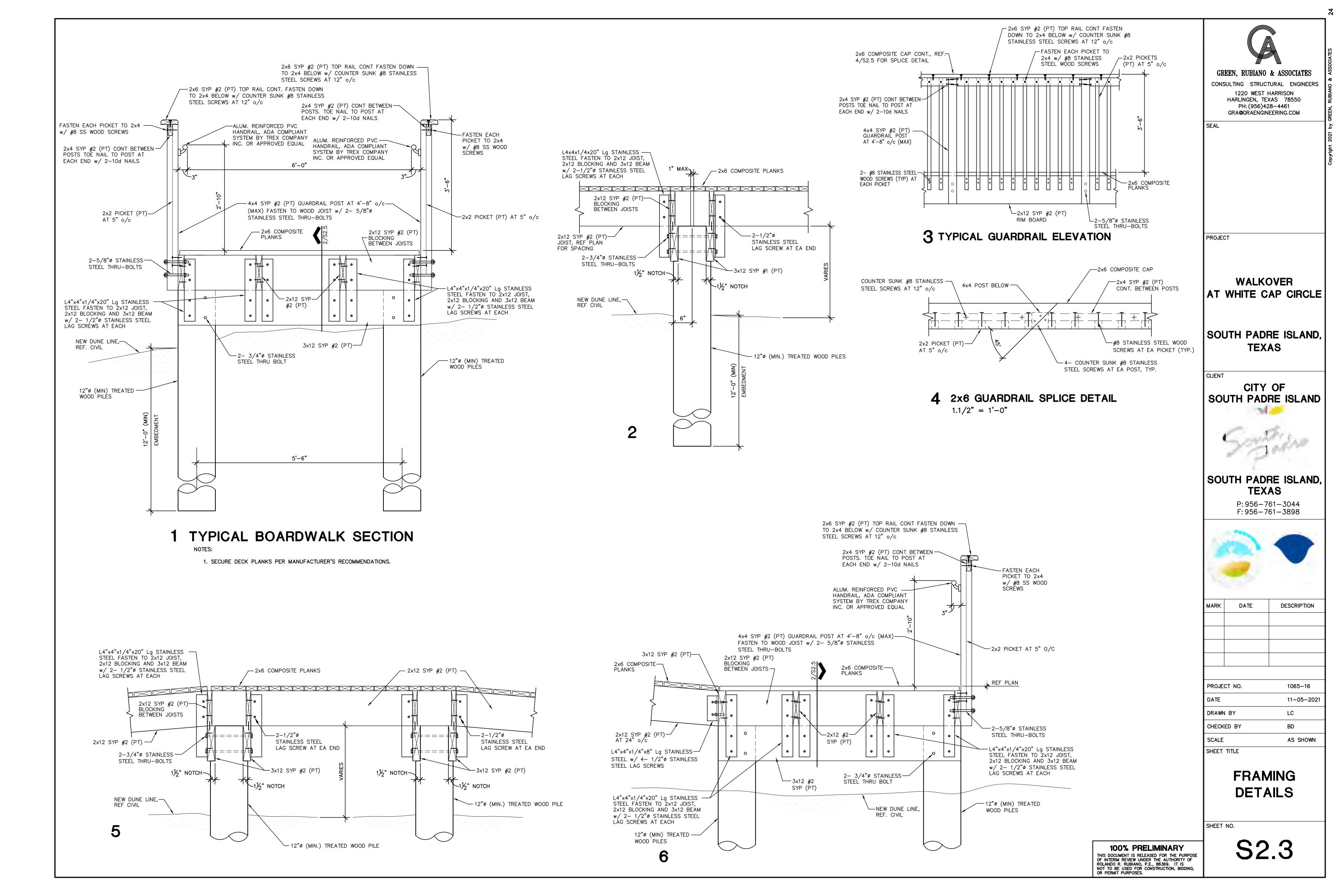
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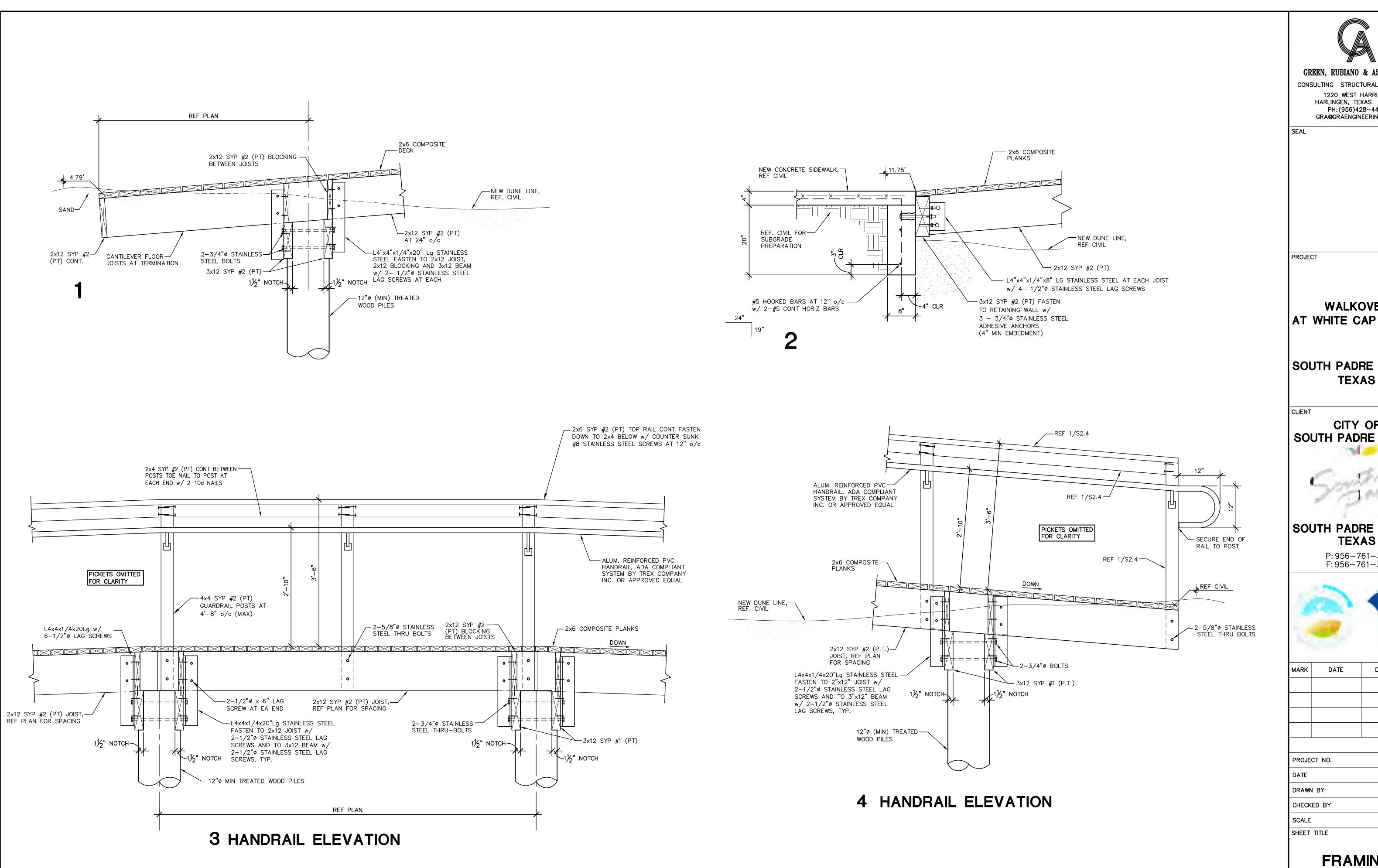




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PEDESTRIAN WALKOVER FRAMING PLAN





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WALKOVER AT WHITE CAP CIRCLE

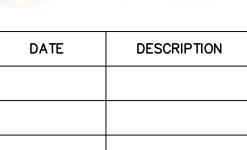
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FRAMING DETAILS

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WALKOVER
AT WHITE CAP CIRCLE

SOUTH PADRE ISLAND, TEXAS

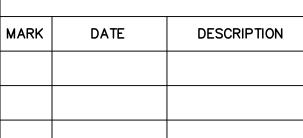
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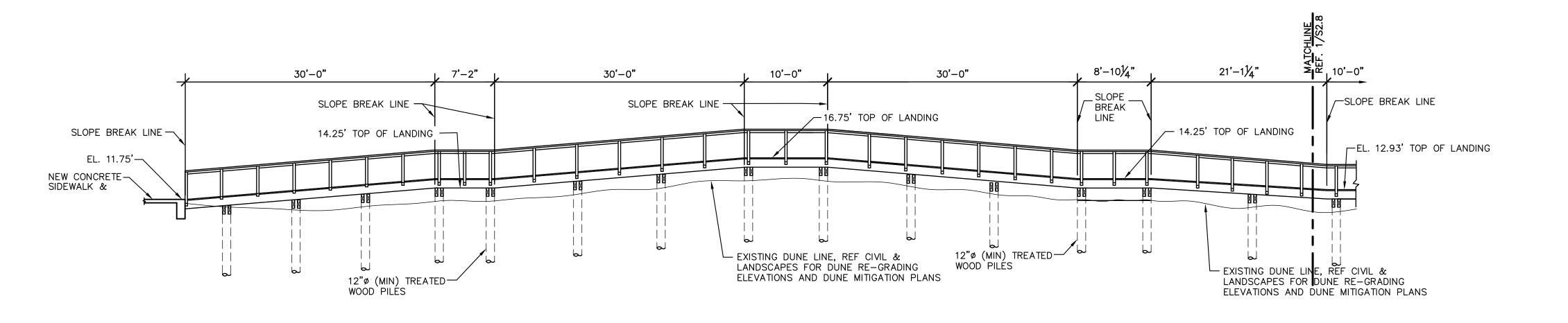


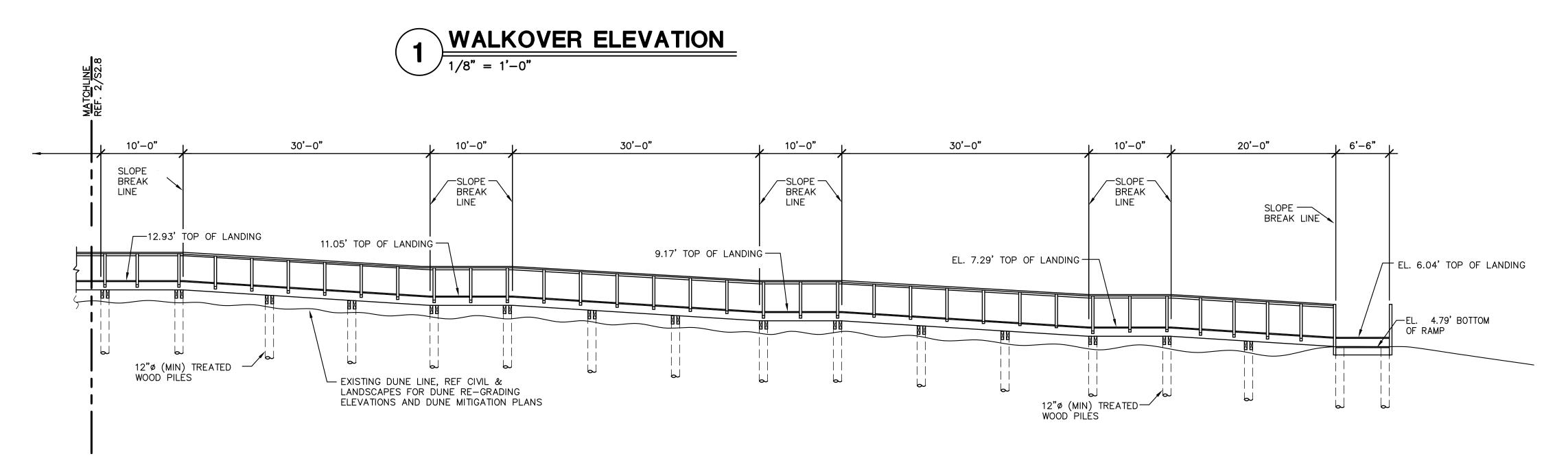
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WALKOVER ELEVATIONS

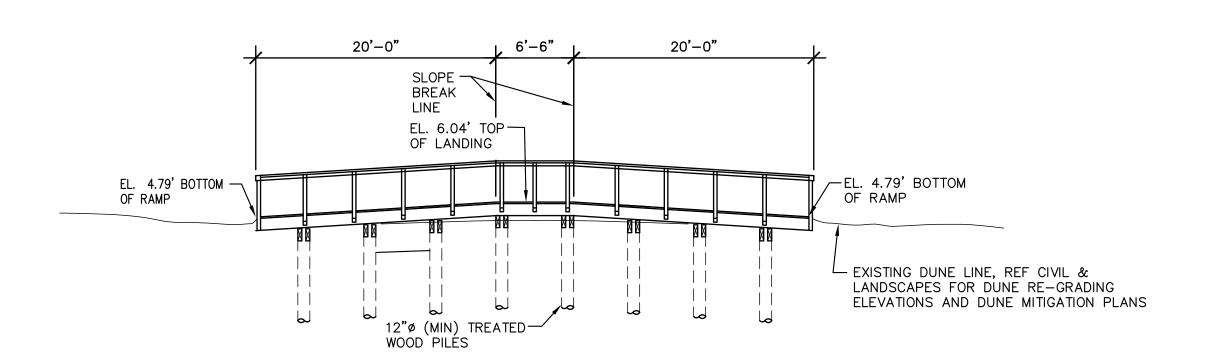
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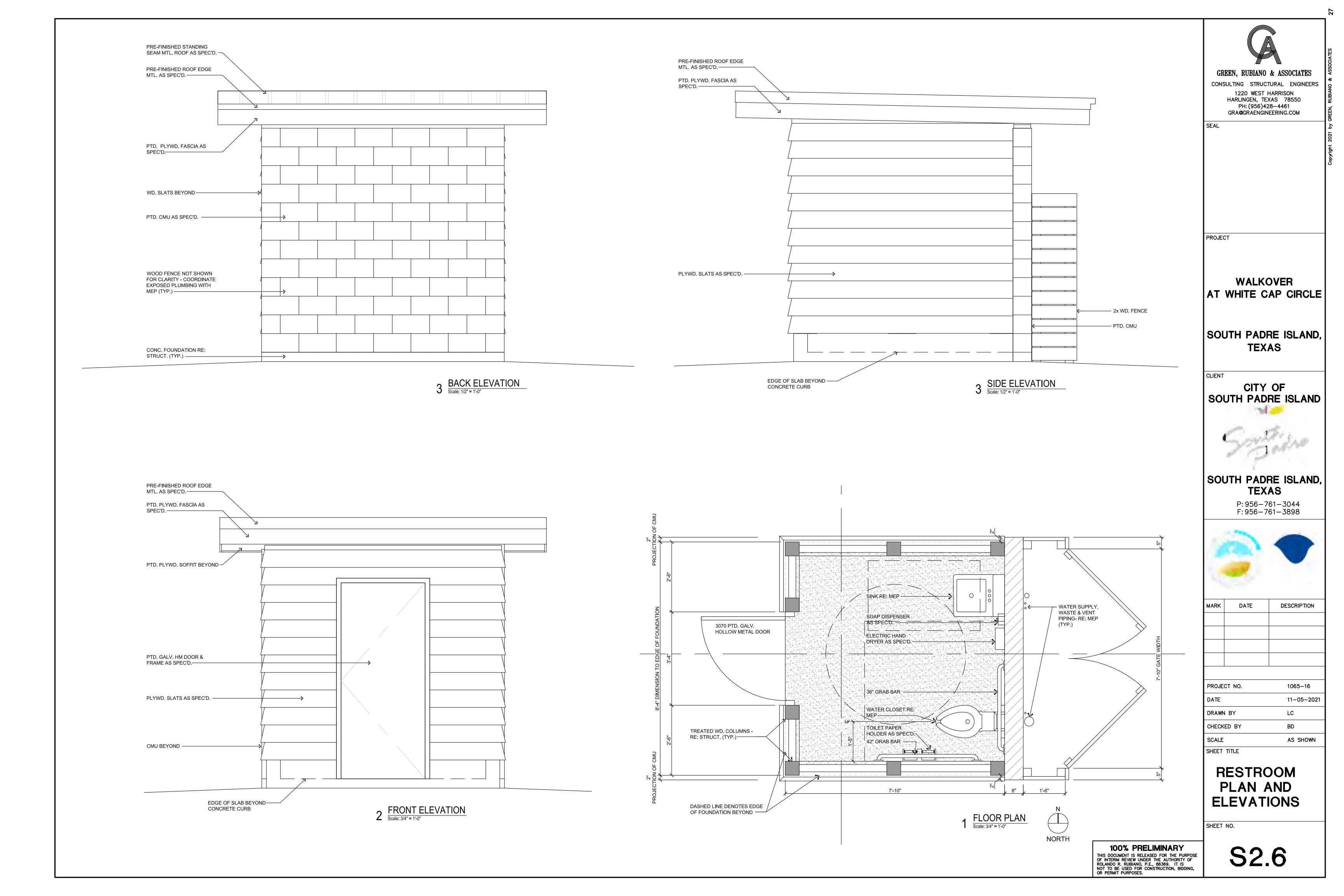


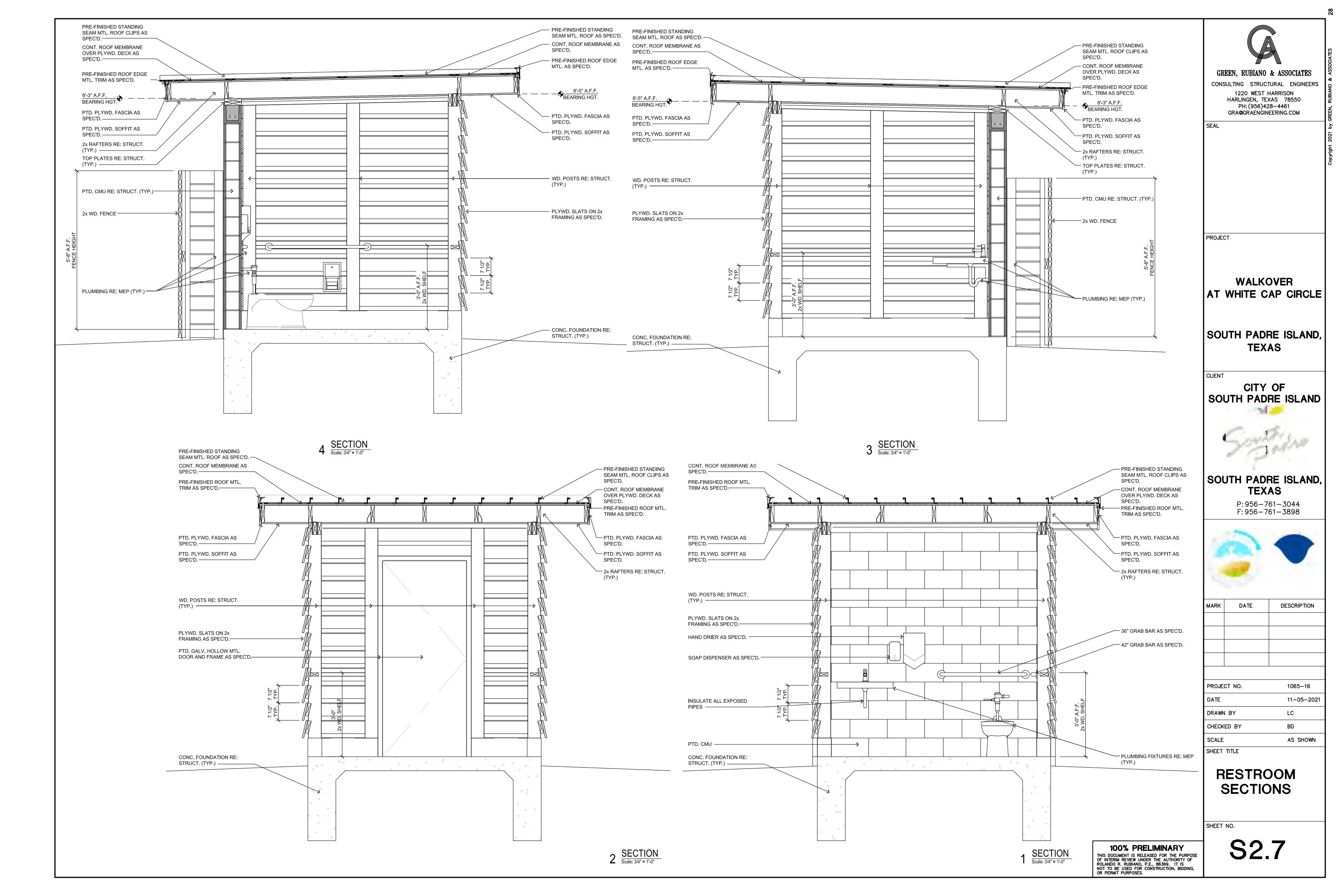


WALKOVER ELEVATION 1/8" = 1'-0"







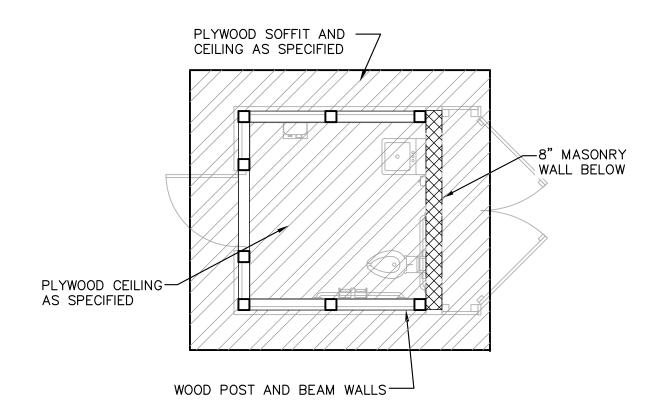


METAL ROOF PANELS
AS SPECIFIED



WOOD POST AND BEAM WALLS BELOW









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SEAL

PROJECT

WALKOVER AT WHITE CAP CIRCLE

SOUTH PADRE ISLAND, **TEXAS**

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RESTROOM ROOF AND **CEILING PLAN**

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- NOTES:

 1. ALL SLABS & BEAMS ARE SUSPENDED. REFER TO SECTIONAL DETAILS FOR REINFORCEMENT.
- 2. SPLICE JOINTS FOR TOP BARS FOR REINFORCED CONCRETE SLABS AND BEAMS SHALL BE LOCATED AT MIDDLE THIRD OF THE SPAN OF SLABS OR BEAMS.
- 3. SPLICE JOINTS FOR BOTTOM BARS FOR REINFORCED CONCRETE SLAB AND BEAMS SHALL BE LOCATED AT SUPPORTS.4. CONSTRUCTION JOINTS OF CONCRETE BEAMS/SLABS SHALL BE LOCATED WITHIN THE

MIDDLE THIRD OF THE SPAN. CONTRACTOR TO SUBMIT PROPOSED LOCATION OF

- CONSTRUCTION JOINTS TO ARCHITECT/ENGINEER FOR APPROVAL.

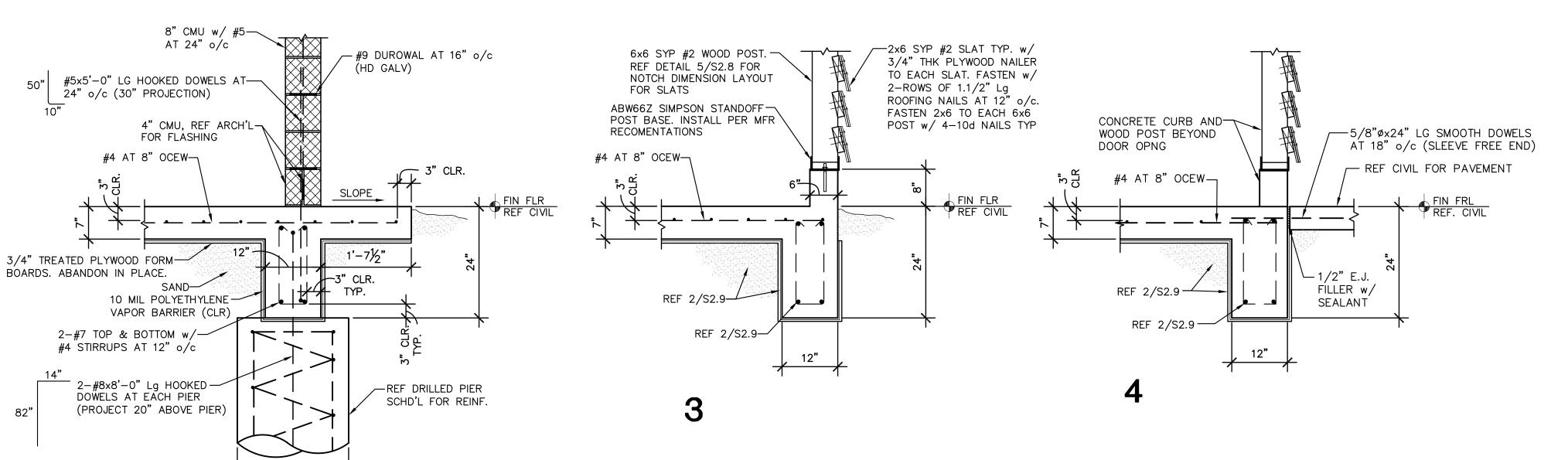
 5. LAPPING OF SPLICE BARS AT SPLICE JOINTS SHALL BE 62 BAR DIAMETER OR A
- MINIMUM OF 36" LONG.

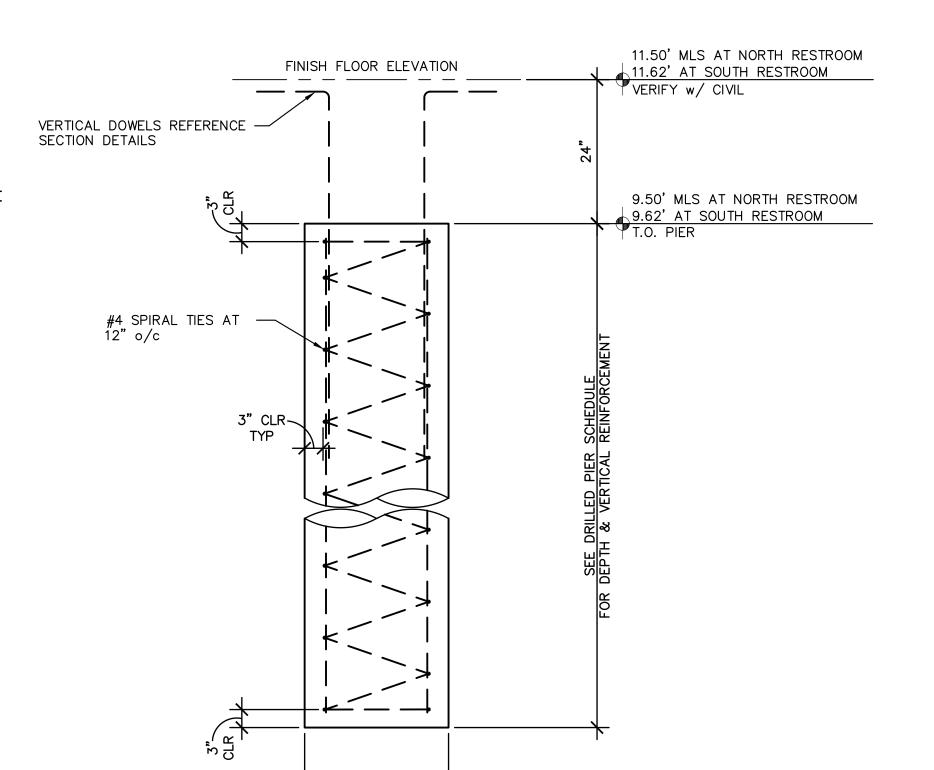
 6. ALL CONDUIT GREATER THAN 1.1/2" IN DIAMETER (O.D.) SHALL BE RECESSED
- 7. MAINTAIN 2" MINIMUM CLEAR DISTANCE BETWEEN ALL CONDUIT IN SLAB.

TO PROVIDE 1.1/2" CLEAR DISTANCE BETWEEN SLAB REBAR & CONDUIT.

- 8. A SINGLE CONDUIT (MAX 3" O.D.) MAY BE PLACED WITHIN THE BEAM CAGE.
 ALL CONDUIT IN BEAM CAGES TO BE TIED TO STIRRUPS MINIMUM OF 4"
 FROM HORIZONTAL BARS
- 9. INDICATES ABW66Z SIMPSON STAND-OFF POST BASE.

	DRILLED	PIER SCH	HEDULE
MARK	SHAFT DIA. (INCHES)	VERTICAL REINFORCING	BEARING DEPTH BELOW MEAN SEA LEVEL (FEET MSL)
DP-1	**"	8-#7	_**.** [']





SHAFT DIA.

5 DRILLED PIER PROFILE

REF PLAN



GREEN, RUBIANO & ASSOCIATES

CONSULTING STRUCTURAL ENGINEERS

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PH: (956)428-4461
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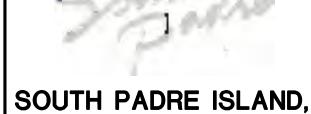
PROJECT

WALKOVER
AT WHITE CAP CIRCLE

SOUTH PADRE ISLAND, TEXAS

CLIENT

CITY OF SOUTH PADRE ISLAND



SOUTH PADRE ISLAN TEXAS

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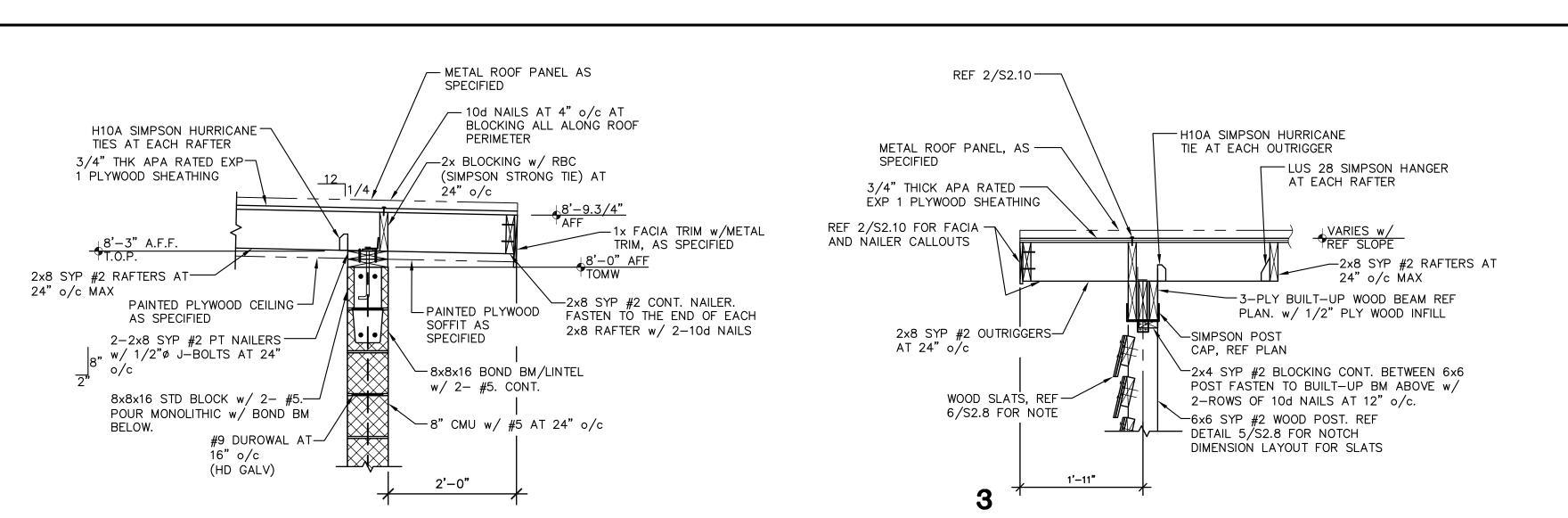
FOUNDATION PLAN/DETAILS

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PROJECT

WALKOVER AT WHITE CAP CIRCLE

SOUTH PADRE ISLAND, **TEXAS**

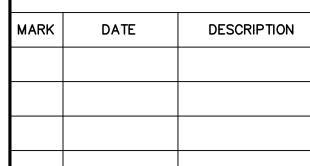
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FRAMING PLAN/DETAILS

SHEET NO.



6x6 SYP #2 WOOD POST TYP, UNO.

HUC26-3 TYP AT

CORNER POST

- 1. ROOF SHEATHING SHALL BE 3/4" APA RATED EXPOSURE 1. SPAN RATED 48/24.
- 2. REFERENCE ROOF SHEATHING NAILING SCHEDULE FOR PROPER PLYWOOD ATTACHMENT.

12'-6"

BC6

SL 1/4:12

BC6 🖶

BC6

_BC6 |||

└─3/4" THK APA RATED

EXP 1 PLYWOOD

2x8 SYP #2 OUTRIGGERS

AT 24" o/c

8'-7"

3. ALL HURRICANE TIES SHALL BE SIMPSON STRONG-TIE STAINLESS STEEL TYPE 316 OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.



WOOD POST.

2x8 SYP #2 CONT. NAILER

-2x8 SYP #2 OUTRIGGERS

√─8" LOAD-BEARING CMU WALL w/

#5 AT 24" o/c TOMW 8'-0" AFF

- 2x8 SYP #2

RAFTERS ÄT

BEAM SCHEDULE

HEADER

TYPE

1. PROVIDE PLYWOOD FILLER AS REQUIRED TO BE FLUSH WITH

3-2x6

POST

SIZE

6x6

24" o/c

HEADER

MARK

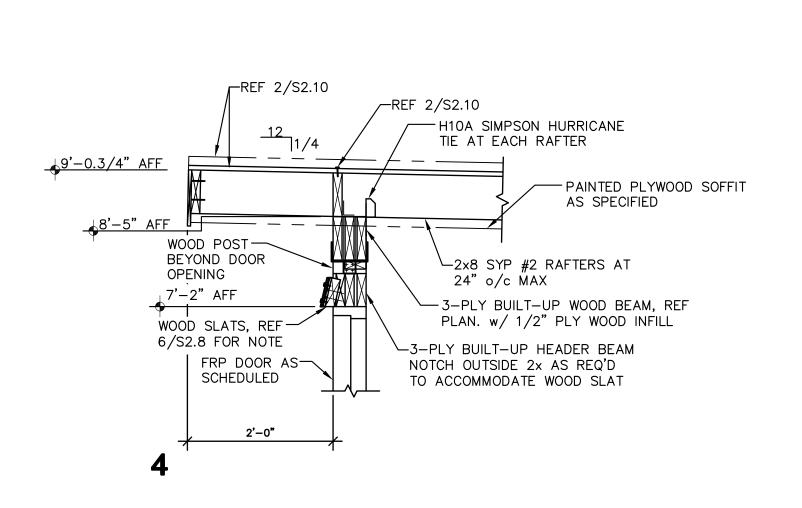
NOTES:

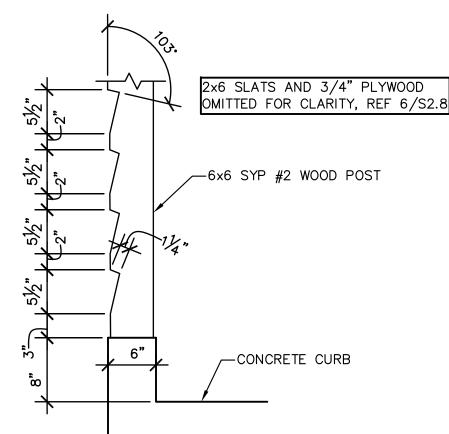
AT 24" o/c

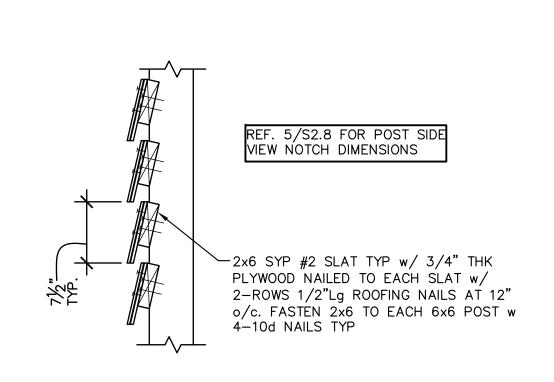
NRIM BOARD

ROOF SHEATHING NAILING SCHEDULE 10d NAILS AT 4" o/c ALONG EDGE OF SHEET AND 6" o/c AT INTERIOR SUPPORTS

ALL 10d NAILS TO MEET MINIMUM LENGTH/DIAMETER BELOW LENGTH 3" SHANK DIAMETER 0.148"









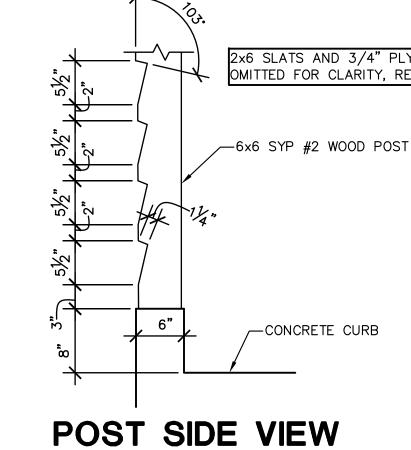


CORNER POST

INTERMEDIATE POST

- 6x6 SYP #2 ·

WOOD POSTS



NOTCH DIMENSIONS

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PRIOR TO BEGINNING CONSTRUCTION, THE OWNER OR THEIR AUTHORIZED REPRESENTATIVE SHALL SCHEDULE A PRE-CONSTRUCTION CONFERENCE BETWEEN THE CONSULTING ENGINEER, CONTRACTOR, CITY

PRE-CONSTRUCTION PHOTOGRAPHS SHALL BE TAKEN THAT SHOW EXISTING CONDITIONS OF THE SITE AND ADJOINING STRUCTURES TO REMAIN. PHOTOS SHALL INCLUDE DAMAGE TO FINISH SURFACES THAT MIGHT BE MISCONSTRUED AS DAMAGE CAUSED BY DEMOLITION OPERATIONS. (NO SEPARATE PAY)

OF SOUTH PADRE ISLAND, LAGUNA MADRE WATER DISTRICT, AND ALL AFFECTED PARTIES.

THE CONTRACTOR SHALL HAVE A PERSON ON CALL 24 HOURS A DAY TO ADDRESS CONSTRUCTION AREA MAINTENANCE ITEMS, TRAFFIC CONTROL, OR OTHER NEEDS NECESSARY FOR PUBLIC SAFETY. THIS PERSON SHALL HAVE AUTHORITY TO ACT ON BEHALF OF THE CONTRACTOR IN EMERGENCY CONDITIONS. THE PERSON SHALL BE STATIONED WITHIN 1/2 HOUR TRAVEL TIME FROM THE PROJECT SITE. THE PERSON SHALL BE IDENTIFIED IN WRITING PRIOR TO START OF CONSTRUCTION. THE ON-SITE REPRESENTATIVE SHALL HAVE ACCESS ALL EQUIPMENT AND MATERIAL AND HAVE FULL AUTHORITY NECESSARY TO CORRECT ANY PROBLEMS, DEFICIENCIES, OR EMERGENCIES WHICH MAY ARISE DURING NON-WORKING HOURS AND DURING THE ABSENCE OF THE SUPERINTENDENT.

STANDARD WORK HOURS:

- 5.1. THE STANDARD WORK HOURS FOR THE OWNER IS 8:00 AM TO 5:00 PM, MONDAY THROUGH FRIDAY, SHOULD THE CONTRACTOR ELECT TO WORK ON SATURDAY, SUNDAYS OR HOLIDAYS, HE SHALL BE RESPONSIBLE FOR PAYING OVERTIME CHARGES FOR THE OWNERS PERSONNEL INVOLVED. THESE CHARGES WILL BE AT COST AND WILL BE CALCULATED EITHER AT TIME AND A HALF OR DOUBLE TIME, AS APPLICABLE TO THE PARTICULAR DAY BEING WORKED. PRE-APPROVAL SHALL BE OBTAINED FROM THE ENGINEER OR ENGINEER'S REPRESENTATIVE BY COMPLETING AND SIGNING A OWNER'S FORM ENTITLED "CONSTRUCTION INSPECTORS OVERTIME COMPENSATION AUTHORIZATION". PRIOR TO COMMENCING ANY OVERTIME WORK.
- 5.2. ANY WORK DONE OUTSIDE THE STANDARD WORKDAY, WITHOUT PRIOR AUTHORIZATION, SHALL BE CONSIDERED UNDER UNAUTHORIZED WORK. THE CONTRACTOR IS REQUIRED TO PAY THE OVERTIME WAGES OF THE OWNER INSPECTORS THAT WORK OVERTIME MONDAYS THROUGH FRIDAYS AT TIME IN A HALF. THE CONTRACTOR IS RESPONSIBLE FOR THE OVERTIME WAGES OF THE ONWER INSPECTORS THAT WORK HOLIDAYS AT DOUBLE TIME. MINIMUM HOURS WILL BE BILLED TO CONTRACTOR FOR CALL OUTS OR FOR INSUFFICIENT NOTICE OF TWO (2) HOURS.

THE CONTRACTOR SHALL VERIFY ALL HORIZONTAL AND VERTICAL DIMENSIONS AND THE LOCATION OF EXISTING AND PROPOSED PROJECT ELEMENTS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES BETWEEN PLAN DIMENSIONS AND ACTUAL FIELD CONDITIONS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND OWNER. NO CONSTRUCTION ACTIVITY SHALL CONTINUE WITHOUT APPROVAL FROM THE OWNER.

ALL MATERIALS AND LABOR, WHETHER SPECIFICALLY INDICATED ON PLANS OR NOT, WHICH ARE NECESSARY FOR THE PROPER INSTALLATION AND FUNCTION OF THE SYSTEM SHALL BE FURNISHED BY THIS CONTRACTOR.

CONTRACTOR SHALL NOT PROCEED WITH ANY WORK INVOLVING A CHANGE IN PROJECT SCOPE, EQUIPMENT, MATERIALS OR COST WITHOUT FIRST HAVING OBTAINED ENGINEER'S AND/OR OWNER'S APPROVAL IN WRITING. IF APPROVAL HAS NOT BEEN OBTAINED IN WRITING PRIOR TO PROCEEDING WITH ANY CHANGE, CONTRACTOR WILL NOT BE REIMBURSED FOR SUCH CHANGE.

CONTRACTOR TO PLAN AND PERFORM THEIR WORK IN A MANNER THAT WILL PERMIT SAFE PUBLIC TRAFFIC MOVEMENT ON ALL STREETS.

THE CONTRACTOR SHALL PLAN AND SEQUENCE ALL CONSTRUCTION ACTIVITY IN SUCH A MANNER THAT WILL PERMIT SAFE PEDESTRIAN AND VEHICULAR MOVEMENT.

11. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH TXDOT SPECIFICATIONS. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN, IN ACCORDANCE WITH SPECIFICATION 01 55 26 TRAFFIC CONTROL AND REGULATION FOR APPROVAL BY THE OWNER, PRIOR TO CONSTRUCTION. THE TRAFFIC CONTROL PLAN SHALL BE PREPARED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF TEXAS. ALL TRAFFIC CONTROL / TRAFFIC SAFETY SHALL BE IN ACCORDANCE WITH THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CRITERIA.

12. CONTRACTOR SHALL PROVIDE PROTECTIVE DEVICES SUCH AS SIGNS, LIGHTS, SIGNALS, AND OTHER DEVICES, AS NEEDED FOR THE SAFETY OF THE PUBLIC AND WORKERS. (NO SEPARATE PAY)

13. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION AND SAFETY OF THE WORK SITE, WORKERS, SUBCONTRACTORS, MATERIALS AND EQUIPMENT.

14. THE DRAWINGS AND SPECIFICATIONS REPRESENT THE COMPLETED STRUCTURES/DESIGN. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES AND MEANS NECESSARY TO PROTECT PERSONS AND STRUCTURES DURING CONSTRUCTION. OBSERVATION BY THE ENGINEER OR THE OWNER DOES NOT INCLUDE REVIEW OF THESE MEASURES.

15. THESE PLANS. PREPARED BY HALFF ASSOCIATES, INC., DO NOT EXTEND TO OR INCLUDE DESIGN OF SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF HALFF ASSOCIATES, INC., REGISTERED PROFESSIONAL ENGINEER(S) HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED IN THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PREPARE OR OBTAIN THE APPROPRIATE SAFETY SYSTEMS, INCLUDING THE PLANS AND SPECIFICATIONS REQUIRED BY THE HOUSE BILLS 662 AND 665 ENACTED BY THE TEXAS LEGISLATURE IN THE 70TH LEGISLATURE REGULAR SESSION.

16. CONTRACTOR SHALL PROVIDE A SEQUENCE OF WORK AND PERFORM ASSOCIATED GRADING THAT PROVIDES POSITIVE OUTFALLS AT ALL TIMES.

17. CONSTRUCTION STAKING AND SURVEYING SHALL BE PROVIDED BY THE CONTRACTOR AND AT CONTRACTOR'S EXPENSE. ALL DIMENSIONS ARE TO BACK OF CURB OR, WHERE NO CURB EXISTS, TO EDGE OF PAVEMENT UNLESS SHOWN OTHERWISE. ALL UTILITY DIMENSIONS AND STATIONS/COORDINATES ARE TO CENTER OF THE STRUCTURE UNLESS SHOWN OTHERWISE.

18. CONTRACTOR TO COORDINATE WITH THE OWNER ON WORK SCHEDULES, TESTING, GENERAL INSPECTION, AND OPERATION AND LOCATION OF EXISTING LINES.

19. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING ALL CONSTRUCTION MATERIALS TESTING AND GENERAL INSPECTIONS. THE CONTRACTOR SHALL COORDINATE THROUGH THE OWNER'S DESIGNATED FIELD REPRESENTATIVE A MINIMUM OF 24-HOURS PRIOR TO TESTING OR INSPECTION. FAILURE TO BE PREPARED FOR TESTING MAY RESULT IN TRAVEL CHARGES. RE-TESTING WILL BE BORNE BY THE CONTRACTOR.

20. MATERIAL TESTING SHALL BE PROVIDED BY THE OWNER. RE-TEST TO BE AT CONTRACTOR'S EXPENSE.

21. THE CONTRACTOR SHALL INSPECT ALL MATERIALS AT DELIVERY AND NOTIFY THE OWNER OF ANY DAMAGED OR QUESTIONABLE MATERIALS. ANY DAMAGED OR QUESTIONABLE MATERIAL INSTALLED WITHOUT PRIOR INSPECTION BY THE OWNER SHALL BE REMOVED AT THE CONTRACTOR'S EXPENSE.

22. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED. (NO SEPARATE PAY)

23. THE CONTRACTOR IS ENCOURAGED TO INSPECT AND DOCUMENT THE PRE-CONSTRUCTION CONDITION OF ALL PRIVATE DRIVEWAYS, MAILBOXES. PAVEMENT AREAS. SIDEWALKS. CURB AND GUTTER. FENCES AND ALL OTHER ITEMS TO BE AFFECTED BY PROPOSED CONSTRUCTION PRIOR TO COMMENCING.

24. ANY DAMAGE TO EXISTING PAVEMENT OR EXISTING STRUCTURES SHALL BE REPAIRED TO

PRE-CONSTRUCTION CONDITION OR BETTER AT CONTRACTOR'S EXPENSE. EXISTING STRUCTURES MAY INCLUDE BUT ARE NOT LIMITED TO INLETS, MANHOLES, POWER POLES, SIDEWALKS, CURB AND GUTTER, FENCES, SPRINKLER SYSTEMS, LAWNS OR PRIVATE PROPERTY IMPROVEMENTS.

25. NO TREES SHALL BE REMOVED WITHOUT PERMISSION OF THE OWNER OR ENGINEER, UNLESS

26. CONTRACTOR SHALL GIVE NOTICE TO ALL AUTHORIZED INSPECTORS, SUPERINTENDENTS, OR PERSONS IN CHARGE OF PRIVATE AND PUBLIC UTILITIES AFFECTED BY THEIR OPERATIONS PRIOR TO COMMENCEMENT OF WORK. NOTIFY TEXAS ONE CALL FOR UTILITY LOCATIONS PRIOR TO ANY AND ALL

27. CONTRACTOR TO EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING FACILITIES AND/OR UTILITIES. ALL DAMAGE TO BE REPAIRED AT CONTRACTOR'S EXPENSE. ALL COSTS FOR INTERRUPTION OF GAS, ELECTRICAL, COMMUNICATIONS AND/OR WATER SERVICE DUE TO CONTRACTOR'S WORK SHALL BE BORNE BY THE CONTRACTOR.

28. INFORMATION ON EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS FROM BEST AVAILABLE INFORMATION OF RECORD AND SPOT FIELD LOCATIONS. ALTHOUGH EVERY EFFORT HAS BEEN MADE TO ACCURATELY DEPICT ALL UTILITIES, NOT ALL (PUBLIC AND PRIVATE) MAY BE SHOWN. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION AND LOCATION OF THESE UNDERGROUND UTILITIES AS REQUIRED AT NO SEPARATE PAY. CONTRACTOR TO COORDINATE WITH ALL UTILITY COMPANIES.

29. ALL WORK SHALL BE PERFORMED WITHIN THE OWNER'S RIGHT-OF-WAY, EASEMENTS OR ON PUBLIC-OWNED PROPERTY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMISSION TO USE PRIVATE PROPERTY, IF NECESSARY, FOR THE PURPOSES OF STAGING, STOCKPILE, STORAGE OR REFUSE AREAS. THE CONTRACTOR SHALL PROVIDE WRITTEN EVIDENCE TO THE OWNER PRIOR TO USE.

30. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED RESIDENTS OR BUSINESS OWNERS OF CONSTRUCTION ACTIVITY THROUGH THE USE OF BILINGUAL (ENGLISH AND SPANISH) DOOR TAGS, PAMPHLETS OR SIMILAR METHODS. ALL AFFECTED PARTIES MUST BE NOTIFIED A MINIMUM OF 48-HOURS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE A SAMPLE OF THE NOTIFICATION TO THE OWNER PRIOR TO IMPLEMENTATION.

31. CONTRACTOR TO ENSURE SAME DAY ACCESS TO ALL RESIDENCES AND BUSINESSES ADJACENT TO CONSTRUCTION.

32. THE CONTRACTOR SHALL DO ALL NECESSARY CLEARING, EXCAVATION, TRENCHING, SHORING, DE-WATERING, DEMOLITION, GRADING, BACKFILLING, ETC. TO COMPLETE THE PROJECT. ASSOCIATED COSTS SHALL BE SUBSIDIARY TO THE RESPECTIVE BID ITEMS AS IDENTIFIED IN THE CONTRACT UNLESS NOTED

33. THE CONTRACTOR SHALL PROVIDE AN EMERGENCY PLAN, IN CASE OF A LARGE RAIN EVENT OR OTHER IMPACTFUL EVENT, FOR APPROVAL BY THE OWNER PRIOR TO CONSTRUCTION. THE PLAN SHALL BE DEVELOPED, SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF TEXAS. ADEQUACY AND IMPLEMENTATION OF THE PLAN IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE OWNER RESERVES THE RIGHT TO REJECT THE PLANS. (NO SEPARATE PAY)

34. ALL COMPACTION SHALL BE ACHIEVED BY MECHANICAL METHODS. NO WATER JETTING ALLOWED, UNLESS APPROVED BY THE OWNER.

35. ALL SPOIL MATERIAL AND DEBRIS SHALL BE DISPOSED OFFSITE BY THE CONTRACTOR IN A LEGAL MANNER. FURNISHING AND TRANSPORTATION OF ALL OFFSITE MATERIAL TO BE AT CONTRACTOR'S EXPENSE.

36. DEMOLITION, REMOVAL AND DISPOSAL OF ALL EXCESS CONCRETE, CURBS, RUBBLE, ETC. TO BE DONE IN A LEGAL MANNER AT CONTRACTOR'S EXPENSE.

37. THE CONTRACTOR SHALL KEEP THE CONSTRUCTION AREA AS CLEAN AS POSSIBLE. ALL ASSOCIATED DEBRIS SHALL BE COLLECTED AND PROPERLY DISPOSED OF AT THE END OF EACH WORKDAY.

38. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL RETURN THE SITE TO ORIGINAL CONTOURS UNLESS DIFFERENT FINISHED ELEVATIONS ARE SHOWN ON PLANS. CONTRACTOR TO ENSURE NO AREAS OF PONDING ARE PRESENT

39. CONCRETE NOTES (FOR CIVIL SITE WORK):

39.1. ALL CONCRETE WORK TO BE FORMED, UNLESS OTHERWISE APPROVED.

39.2. ALL CONCRETE TO BE 3000-PSI MINIMUM AT 28 DAYS, UNLESS OTHERWISE SHOWN.

39.3. STRENGTH TO BE DETERMINED BY CYLINDER BREAK TEST.

39.4. ALL REINFORCING STEEL TO BE ASTM A-615, GRADE 60, UNLESS OTHERWISE SHOWN.

39.5. ALL EXPOSED CONCRETE WORK TO BE CHAMFERED.

39.6. ALL CONCRETE USED FOR CURB AND GUTTER, CONCRETE PAVEMENT, DRIVEWAYS, SIDEWALKS AND OTHER FLAT WORK SHALL CONTAIN A MINIMUM OF 1.5 POUNDS OF FIBER MESH PER CUBIC

39.7. ALL EXPOSED CONCRETE SURFACES SHALL BE TREATED WITH CURING COMPOUND RESIN BASE ASTM C 309 TYPE 2 WITH PIGMENTED TINT OF FUGITIVE DYE.

39.8. EXPANSION JOINTS WILL BE PLACED AT CURB RETURNS, INLETS AND AT THE END OF EACH POUR WITH INTERVALS NOT TO EXCEED 40 FT. JOINTS SHALL CONSIST OF 1/2" PRE-MOLDED EXPANSION JOINT MATERIAL WITH 3, 36" X 1/2" DOWELS, ONE END GREASED AND WRAPPED. CARE MUST BE TAKEN THAT DOWELS ARE STRAIGHT AND LAID PARALLEL WITH CURB AND NO CONCRETE PLUGS OR OTHER MATERIAL BE ALLOWED THROUGH THE DOWEL HOLES OR EXPANSION MATERIAL WHICH WOULD PREVENT THE JOINT FROM OPERATION AS AN EXPANSION JOINT. EXPANSION JOINT MATERIALS SHALL BE PRE-MOLDED ASPHALT IMPREGNATED EXPANSION JOINT MATERIAL CONFORMING WITH ASTM D 994 (NOT WOOD FIBER TYPE)

39.9. CONTRACTION (DUMMY, SAWED OR GROVED) JOINTS SHALL BE 2" DEEP AND PLACED AT MAXIMUM OF 10-FOOT INTERVALS.

39.10. WHEN CONNECTING TO EXISTING CURB AND GUTTER, THE CONTRACTOR SHALL DRILL AND DOWEL TWO #6 X 16" TIE BARS A MINIMUM OF 6-INCHES DEEP INTO THE EXISTING CURB AND GUTTER SECTION.

40. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING ALL FIELD CHANGES AND FURNISHING A LEGIBLE SET OF "RECORD" DRAWINGS TO THE OWNER.

41. WHEN INSTALLING ANY MANUFACTURED PRODUCT, THE CONTRACTOR SHALL FOLLOW ALL MANUFACTURER'S RECOMMENDED INSTALLATION DIRECTIONS. IF ANY CONFLICTS OR DISCREPANCIES BETWEEN MANUFACTURER'S DIRECTIONS AND THE CONTRACT DOCUMENTS ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING AND SHALL NOT PERFORM ANY WORK ON ANY ITEM UNTIL SUCH CONFLICT HAS BEEN RESOLVED IN WRITING.

42. INDEMNIFICATION: TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAWS AND REGULATIONS. CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS OWNER, ENGINEER'S SUBCONSULTANTS AND THE OFFICERS, DIRECTORS, EMPLOYEES, AGENTS, AND OTHER CONSULTANTS OF EACH AND ANY OF THEM FROM AND AGAINST ALL CLAIMS, COSTS, LOSSES, AND DAMAGES (INCLUDING BUT NOT LIMITED TO ALL FEES AND CHARGES OR ENGINEERS. ARCHITECTS. ATTORNEYS. AND OTHER PROFESSIONALS AND ALL COURT OR ARBITRATION OR OTHER DISPUTE RESOLUTION COSTS) CAUSED BY, ARISING OUT OF, OR RESULTING FROM, THE PERFORMANCE OF THE WORK, PROVIDED THAT ANY SUCH CLAIM, COST, LOSS OR DAMAGE:

42.1. IS ATTRIBUTABLE TO BODILY INJURY, SICKNESS, DISEASE, OR DEATH, OR TO INJURY TO OR

42.2. IS CAUSED IN WHOLE OR IN PART BY ANY NEGLIGENT ACT OR OMISSION OF CONTRACTOR, ANY SUBCONTRACTOR, ANY SUPPLIER, ANY PERSON, OR ORGANIZATION DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM TO PERFORM OR FURNISH ANY OF THE WORK, OR ANYONE FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE, REGARDLESS OF WHETHER OR NOT CAUSED IN PART BY ANY NEGLIGENCE OR OMISSION OF A PERSON OR ENTITY INDEMNIFIED HEREUNDER OR WHETHER LIABILITY IS IMPOSED UPON SUCH INDEMNIFIED PARTY BY LAWS AND REGULATIONS REGARDLESS OF THE NEGLIGENCE OF ANY SUCH PERSON OR ENTITY. CLAIMS, COSTS, LOSSES, DAMAGES, SUITS AND CAUSES OF ACTION, AND ANY AND ALL LIABILITY, COSTS, EXPENSES, SETTLEMENTS, DAMAGES, AND JUDGMENTS INCURRED IN CONNECTION THEREWITH (INCLUDING BUT NOT LIMITED TO ALL FEES AND CHARGES OF ENGINEERS, ARCHITECTS, ATTORNEYS, AND OTHER PROFESSIONALS, AND ALL COURT OR ARBITRATION OR OTHER DISPUTES RESOLUTION COSTS) WHETHER ARISING IN EQUITY, AT COMMON LAW, OR BY STATUTE, INCLUDING THE TEXAS DECEPTIVE TRADE PRACTICES ACTOR SIMILAR STATUTE OF OTHER JURISDICTIONS, OR UNDER THE LAW OF CONTRACTS, TORTS (INCLUDING WITHOUT LIMITATION, NEGLIGENCE AND STRICT LIABILITY WITHOUT REGARD TO FAULT) OR PROPERTY, OF EVERY KIND OR CHARACTER

DESTRUCTION OF TANGIBLE PROPERTY (OTHER THAN THE WORK ITSELF), INCLUDING THE LOSS OF

42.3. IS CAUSED IN WHOLE OR IN PART BY ANY NEGLIGENT ACT OR OMISSION, OTHER FAULT, BREACH OF CONTRACT OR WARRANTY, VIOLATION OF THE TEXAS DECEPTIVE TRADE PRACTICES ACT, OR STRICT LIABILITY WITHOUT REGARD TO FAULT OF CONTRACTOR. REGARDLESS OF WHETHER OR NOT CAUSED IN PART BY ANY NEGLIGENCE OR OMISSION, OTHER FAULT, BREACH OF CONTRACT OR WARRANTY, VIOLATION OF THE TEXAS DECEPTIVE TRADE PRACTICES ACT, OR STRICT LIABILITY WITHOUT REGARD TO FAULT OF A PERSON OR ENTITY INDEMNIFIED HEREUNDER.

CONTRACTOR'S OBLIGATIONS OF INDEMNIFICATION UNDER THIS PARAGRAPH SHALL NOT BE LIMITED BY THE AMOUNT OF ANY INSURANCE.

UTILITY NOTES:

THE TYPE, SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES DEPICTED ON THE CONSTRUCTION PLANS WERE RESEARCHED WITH RESPECT TO THE BEST AVAILABLE DATA AND THEREFORE SHOWN APPROXIMATE. ALTHOUGH EVERY EFFORT HAS BEEN MADE TO ACCURATELY DEPICT ALL UTILITIES, NOT ALL (PUBLIC AND PRIVATE) MAY BE SHOWN. NEITHER THE ENGINEER NOR THE OWNER IS RESPONSIBLE FOR THE ACCURACY OF THE LOCATION OF THE UTILITIES SHOWN ON THE CONSTRUCTION PLANS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL UTILITY COMPANIES WITH JURISDICTION WITHIN THE LIMITS OF CONSTRUCTION FOR FIELD VERIFICATION AT NO ADDITIONAL EXPENSE TO THE OWNER. UTILITY COMPANIES TO INCLUDE BUT NOT LIMITED TO THE FOLLOWING:

1.1. SOUTH PADRE ISLAND PUBLIC WORKS DEPT. (956) 761-8159

1.2. CITY OF SOUTH PADRE ISLAND (956) 761-5454

USE RESULTING THEREFROM. AND

1.3. LAGUNA MADRE WATER DISTRICT OFFICE (956) 943-2626

1.4. LAGUNA MADRE WATER DISTRICT EMERGENCIES AFTER HOURS (956) 572-1716

1.5. TXDOT - BROWNSVILLE OFFICE (956) 542-2260

1.6. TEXAS 811

1.7. TEXAS GAS SERVICE (800) 959-5325

1.8. SPECTRUM/TIME WARNER CABLE/AT&T/VERIZON/CHARTER COMMUNICATIONS/FRONTIER COMMUNICATIONS

1.9. AMERICAN ELECTRIC AND POWER (AEP) TEXAS/MAGIC VALLEY ELECTRICAL COOPERATIVE

CONTRACTOR SHALL EXPOSE ANY EXISTING UTILITY THAT MAY BE IN CONFLICT PRIOR TO COMMENCING CONSTRUCTION AND EXCAVATION.

3. THE CONTRACTOR SHALL NOTIFY ALL AUTHORIZED INSPECTORS, SUPERINTENDENTS, OR PERSONS RESPONSIBLE FOR PUBLIC AND PRIVATE UTILITIES AFFECTED BY HIS/HER OPERATIONS PRIOR TO COMMENCING CONSTRUCTION.

4. CONTRACTOR SHALL AT ALL TIMES ALLOW ACCESS TO EXISTING DRIVEWAY OR PROVIDE/MAINTAIN ALTERNATIVE ALL-WEATHER ROUTES.

5. IN ACCORDANCE WITH HOUSE BILLS 662 AND 665 ENACTED BY THE TEXAS LEGISLATURE (70ml REGULAR LEGISLATIVE SESSION). THE CONTRACTOR SHALL MEET THE REQUIREMENTS FOR TRENCH SAFETY AS OUTLINED IN THE CURRENT VERSION OF THE UNITED STATES DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS, 29 CFR. PART 1926, SUBPART P-EXCAVATIONS.

6. PRIOR TO COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL PROVIDE A TRENCH SAFETY PLAN. ALL PLANS SHALL BE PREPARED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF TEXAS. THE PLAN SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL.

7. IN THE EVENT CONDITIONS ENCOUNTERED IN THE FIELD REQUIRE TRENCH SAFETY SYSTEMS OUTSIDE OF THE EXTENTS SUGGESTED TRENCH PROTECTION SHOWN ON THE CONSTRUCTION PLANS, ALL EXCAVATION SHALL CEASE AND THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A REVISED TRENCH SAFETY PLAN. NO EXCAVATION SHALL RESUME UNTIL THE REVISED TRENCH SAFETY PLAN HAS BEEN APPROVED. (NO SEPARATE PAY)

8. THE CONTRACTOR SHALL ENSURE APPROVED TRENCH SAFETY PLANS ARE IMPLEMENTED. FAILURE TO ADHERE TO THE TRENCH SAFETY PLAN WILL RESULT IN A STOP WORK ORDER. NON-COMPLIANCE INCIDENTS MAY BE REPORTED TO OSHA.

9. TRENCHES OR EXCAVATIONS MAY NOT BE LEFT OPEN OVERNIGHT UNLESS AUTHORIZED IN WRITING BY THE OWNER. IN CASES WHERE TRENCHES ARE LEFT OPEN, THE CONTRACTOR MUST PROVIDE TRAFFIC-RATED, ANCHORED STEEL PLATE COVERS APPROVED BY THE OWNER.

10. CONTRACTOR SHALL PROTECT AND SUSPEND ALL EXISTING UTILITIES TO REMAIN.

11. ALL UTILITIES SHALL REMAIN IN SERVICE AT ALL TIMES. THE PROTECTION, TEMPORARY BYPASS PUMPING, ETC. OF ALL UTILITY LINES SHALL BE INCIDENTAL TO THE INSTALLATION OF THE PROPOSE UTILITIES. CONTRACTOR SHALL COORDINATE WITH UTILITY OWNERS.

12. ALL CONSTRUCTION OPERATIONS TO BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE REGULATIONS OF THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION. COPIES OF OSHA STANDARDS MAY BE PURCHASED FROM THE U.S. GOVERNMENT PRINTING OFFICE.

13. ELECTRICAL LINES ARE LOCATED IN THE PROJECT AREA. THE ATTENTION OF THE CONTRACTOR IS DIRECTED TO STATE LAW (VERNON'S ANNOTATED TEXAS STATUTES, ARTICLE 1436 (C)) CONCERNING CONSTRUCTION OPERATIONS IN THE VICINITY OF ELECTRICAL LINES AND THE NEED FOR EFFECTIVE PRECAUTIONARY MEASURES.

14. ANY CHANGES OR REVISIONS TO THE UTILITY DESIGN MUST FIRST BE SUBMITTED TO THE LAGUNA MADRE WATER DISTRICT FOR REVIEW AND WRITTEN APPROVAL.

15. THE CONTRACTOR SHALL GIVE THE LAGUNA MADRE WATER DISTRICT 24 HOUR ADVANCE NOTICE PRIOR TO PLACEMENT OF ANY CONCRETE, TO PERMIT THE REVIEW OF FORMS. REINFORCING STEEL PLACEMENT, AND OTHER PREPARATIONS.

BROWNSVILLE, TEXAS 78526 TEL (956) 303-7100 TBPÈLS ÉNGINEERING FIRM #312

HALFF PROJECT NO. (AVO): 42852.001

GREEN, RUBIANO & ASSOCIATES

CONSULTING STRUCTURAL ENGINEERS 1220 WEST HARRISON HARLINGEN, TEXAS 78550 PH: (956)428-4461 FAX: (956)428-0287 FIRM REGISTRATION #F-4145

PROJECT

WALKOVER AT WHITECAP CIRCLE

SOUTH PADRE ISLAND **TEXAS**

CLIENT

CITY OF SOUTH PADRE ISLAND

SOUTH PADRE ISLAND, TEXAS

> P: 956-761-3044 F: 956-761-3898



DESCRIPTION

1065-16

MARK	DATE	DESCRIPTION

DATE

PROJECT NO.

SHEET NO.

DATE 03-29-202 DRAWN BY CHECKED BY RA SCALE AS SHOWN SHEET TITLE

GENERAL NOTES

100% SUBMITTAL

FOR INTERIM REVIEW ONLY THESE DOCUMENTS ARE FOR INTERIM REVIEW PURPOSES ONLY AND NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

R. THOMAS EVERETT II, P.E. 136374 09/21/21 TBPE FIRM #F-312

17. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, ALL UTILITY CONCRETE IS TO BE CLASS "K" (4000 PSI~28 DAYS), AND ALL REINFORCING STEEL TO BE ASTM A615 GRADE 60.

18. MAXIMUM LENGTH OF OPEN TRENCH TO BE 60', OR AS DIRECTED BY THE OWNER.

19. ALL PIPE BEDDING MATERIAL SHALL CONFORM TO DETAILS AND THE MANUFACTURER'S RECOMMENDATION.

20. EXISTING SANITARY SEWER LINES SHALL BE KEPT IN SERVICE UNTIL PROPOSED SANITARY SEWER SYSTEM IMPROVEMENTS HAVE BEEN COMPLETED AND APPROVED BY THE OWNER.

WATER NOTES:

WATER AND SEWER SERVICE LINE INSTALLATION SHALL MEET THE INTERNATIONAL BUILDING CODE SEPARATION CONDITIONS AND PIPING REQUIREMENTS.

CONTRACTOR SHALL MAINTAIN AS MINIMUMS 10 FEET HORIZONTAL AND 2 FEET VERTICAL SEPARATION BETWEEN WATERLINES AND ANY OTHER SEWER LINES.

3. NO WATER JETTING ALLOWED; MECHANICAL COMPACTION REQUIRED.

4. THE FOLLOWING GUIDELINES AND PROCEDURES SHALL BE FOLLOWED BY ANY CONTRACTOR, SUB-CONTRACTOR, OR ANY PERSON OR PERSONS DOING ANY WORK ON LAGUNA MADRE WATER DISTRICT (LMWD) WATER LINES. TO INCLUDE WATER LINE EXTENSIONS. WATERLINE UPGRADES. WATER TAPS, OR ANY PHYSICAL WORK AND OR CONNECTIONS TO EXISTING WATERLINES OR ANY NEW WATERLINES THAT ARE TO BE ADOPTED BY LMWD.

GENERAL CONTRACTOR (GC) MUST BE LICENSED/BONDED. GC WILL BE RESPONSIBLE FOR THE WORK AND MATERIALS ON WATERLINE UPGRADE.

CONTRACTOR/COMPANY PROPOSING TO WORK ON LMWD WATERLINES WILL MAKE CONTACT AND MEET WITH LMWD PERSONNEL, TO BE WATER DISTRIBUTION MANAGER, WATER DISTRIBUTION ASSISTANT MGR AND DIRECTOR OF OPERATIONS. TO REVIEW ALL DOCUMENTS AND SHARE INFORMATION AS NEEDED. ALL LINE EXTENSIONS AND/OR UPGRADES WILL BE 6" MINIMUM.

CONTRACTOR/COMPANY WILL ONLY USE LMWD APPROVED PARTS AND MATERIALS: LIST OF VENDORS USED BY LMWD PROVIDED:

- 1. HD SUPPLY (956)350-0771
- 2. FERGUSON WATER WORKS (956)-584-8199
- 3. ACT PIPE & SUPPLY (956)-583-1558
- 4. AGUAWORKS PIPE (956)-831-2500

CONTRACTOR INSTALLING NEW LINE IS RESPONSIBLE FOR REPLACING ANY EXISTING SERVICE CONNECTIONS WHERE ONE EXISTS, TO INCLUDE TAPPING SADDLE, CORPORATION STOP WITH CUT-OFF VALVE. MUNICIPEX TUBBING AND ANGLE VALVE WITH CUT-OFF. CONTRACTOR WILL ALSO PREP NEW WATERLINE TO CONNECT TO ANY AND ALL OTHER EXISTING WATERLINE.

9. CONTRACTOR, SHALL FOLLOW STANDARD RULES OF WATER LINE INSTALLATIONS, TO INCLUDE PREPPING WATERLINE FOR HYDROSTATIC TESTING, BACTERIOLOGICAL SAMPLE COLLECTION, AND A FLUSHING POINT AS NEEDED.

10. CONTRACTOR WILL BE REQUIRED TO USE DEWATERING (WELL-POINT) SYSTEM, WHEN WORKING AT OR NEAR GROUND WATER TABLE.

11. CONTRACTOR WILL BE RESPONSIBLE TO RESTORE AREAS TO ORIGINAL CONDITIONS OR BETTER AS REQUIRED BY CITY/TOWN AND STATE CODES/ORDINANCES.

12. CONTRACTOR WILL BE RESPONSIBLE TO PERFORM A HYDRO-STATIC TEST (PRESSURE TEST) ON NEWLY INSTALLED LINE, USING THERE, OWN EQUIPMENT. LMWD PERSONNEL MUST BE PRESENT TO WITNESS TEST FROM BEGINNING TO END. STANDARD TEST IS (150 PSI FOR 2 HOURS), FAILURE TO MAINTAIN PRESSURE. IS A FAILED TEST.

13. LMWD WILL COLLECT THE BACTERIA-LOGICAL SAMPLE AND SUBMIT IT FOR TESTING. IF TEST IS NEGATIVE, INSPECTION OF WATERLINE IS COMPLETE AND LINE CAN BE PUT INTO SERVICE. AS REQUIRED BY TCEQ.

14. OFF-SITE TAP FEES MAY APPLY, IF LINE EXTENSION REQUIRES A 6" TAP.

15. LMWD WILL SUBMIT TX-DOT PERMITS AS NEEDED.

16. GC WILL SUBMIT A 1 YEAR WARRANTY ON NEWLY INSTALLED LINES, TO INCLUDE ANY AND ALL TYPE OF WORK CONTRACTOR DID ON EXISTING LINE AT TIE-IN. DATE OF NEWLY INSTALLED WATERLINE WILL BE WHEN IT IS PUT INTO SERVICE.

17. WITH THE EXCEPTION OF TX-DOT PERMITS, CONTRACTOR WILL BE RESPONSIBLE FOR ANY AND ALL PERMITS, PERMIT FEES, ADMINISTRATIVE FEES THAT MAY APPLY WITH THE WATERLINE UPGRADE/EXTENSION. LMWD PROVIDES WATER SERVICES TO PORT ISABEL. SOUTH PADRE ISLAND. LAGUNA VISTA.

18. CONTRACTOR INSTALLING/UPGRADING LINES WILL SIGN OFF ON;

- A) HYDROSTATIC TEST
- B) BACTERIOLOGICAL SAMPLE (PASSING SAMPLE)
- C) RESTORED AREAS AS APPLICABLE
- D) MET ALL REQUIREMENTS AS SET FORTH BY LMWD
- 19. LAGUNA MADRE WATER DISTRICT WILL PROVIDE SIGN OFF SHEET ON ALL ITEMS REQUESTED.
- 20. APPROVED CONTRACTORS
- 1. 5125 COMPANY 956-867-5125
- 2. GNT PAVING 956-592-1744
- 3. COMETT CONSTRUCTION 956-245-1009
- 4. CLOSNER CONSTRUCTION 956-472-8613
- 5. PEDERSON CONSTRUCTION 956-233-4471

POLLUTION PREVENTION / EROSION CONTROL NOTES:

1. CONTRACTOR SHALL OBTAIN A SWPPP PERMIT AND POST IT AT THE CONSTRUCTION SITE, IN ACCORDANCE WITH SPECIFICATION 01 57 13 TEMPORARY EROSION AND SEDIMENTATION CONTROL AND 01 57 23 - TPDES REQUIREMENTS, PRIOR TO CONSTRUCTION.

2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO COMMENCING ANY EARTH DISTURBING ACTIVITY.

3. ALL EFFORTS SHALL BE MADE TO CONTAIN DISTURBED SOILS WITHIN THE EXTENTS OF PERIMETER EROSION AND SEDIMENT CONTROL MEASURES.

4. THE CONTRACTOR SHALL SEQUENCE ALL CONSTRUCTION IN SUCH A MANNER AS TO MINIMIZE THE AMOUNT AND EXTENTS OF DISTURBED EARTH.

5. A STABILIZED CONSTRUCTION EXIT IS REQUIRED AT ALL POINTS OF DESIGNATED EGRESS FROM THE LIMITS OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION(S) UNLESS OTHERWISE NOTED ON THE PLANS. THE LOCATION(S) OF THE STABILIZED CONSTRUCTION EXIT(S) MAY BE MODIFIED WITH RESPECT TO THE SEQUENCE OF CONSTRUCTION.

6. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROPERLY MAINTAINED DURING THE COURSE OF THEIR INTENDED USE.

7. ALL STAGING, MATERIAL STORAGE, STOCKPILE AND REFUSE AREAS SHALL REQUIRE APPLICABLE EROSION AND SEDIMENT CONTROL MEASURES.

8. ALL CONSTRUCTION DEBRIS SHALL BE CONTAINED WITHIN APPROPRIATE RECEPTACLES(ROLL-OFF CONTAINERS, DUMPSTERS, TRASH CANS, WIRE-MESH CAGES, ETC.) AND CONFINEDWITHIN PERIMETER EROSION AND SEDIMENT CONTROLS.

9. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE DURING THE COURSE OF EARTH DISTURBING ACTIVITY AND UNTIL FINAL STABILIZATION IS ACHIEVED. STRUCTURAL MEASURES MAY BE REMOVED ONLY UPON FINAL PROJECT ACCEPTANCE BY THE OWNER OR AS DIRECTED BY THE OWNER.

10. PERMANENT STABILIZATION SHALL BEGIN AS SOON AS PRACTICABLE OR AS DIRECTED BY THE OWNER.

11. DUST CONTROL SHALL BE IMPLEMENTED AS NECESSARY OR AS DIRECTED BY THE OWNER. DUST CONTROL MAY CONSIST OF WATERING OR OTHER METHODS APPROVED BY THE OWNER. DUST CONTROL AND ASSOCIATED WATERING OR OTHER METHOD SHALL BE SUBSIDIARY TO THE EROSION CONTROL BID ITEM IN THE UNIT PRICE SCHEDULE.

12. TRACKED DEBRIS SHALL BE SWEPT AT THE END OF EACH WORKDAY OR AS DIRECTED BY THE

13. ALL DISCHARGES ASSOCIATED WITH DEWATERING OPERATIONS SHALL IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES. MEASURES MAY INCLUDE BUT ARE NOT LIMITED TO SEDIMENTATION BASINS OR FILTER SOCKS.

14. CONCRETE WASH-WATER SHALL NOT BE DISCHARGED DIRECTLY INTO A STORM SEWER SYSTEM OR RECEIVING STREAM. ALL WASH ACTIVITIES MUST BE PERFORMED WITHIN THE EXTENTS OF ESTABLISHED EROSION AND SEDIMENT CONTROL MEASURES OR DESIGNATED AREAS APPROVED BY THE OWNER.

15. SEDIMENT SHALL BE CLEARED FROM ALL STORM SEWER PIPES. CULVERTS AND APPURTENANCES WITHIN THE LIMITS OF CONSTRUCTION PRIOR TO FINAL PROJECT ACCEPTANCE. SEDIMENT SHALL BE PROPERLY DISPOSED.

16. STAGING, STOCKPILE AND EQUIPMENT STORAGE AREAS SHALL NOT BE LOCATED WITHIN THE EXTENTS OF ANY TREE DRIPLINES.

LAGUNA MADRE WATER DISTRICT SUBDIVISION AND EXTENSION STANDARDS:

- 1. UTILITY BONDS:COPY OF BONDS FROM SUBDIVISION JURISDICTION
- 2. WARRANTY: 1 YEAR FROM DATE OF PROJECT COMPLETION
- 3. AS BUILT DRAWINGS: FURNISH AND CERTIFIED BY PE OR RPLS
- 4. PRE CONSTRUCTION MEETING REQUIRED
- 5. NOTIFICATION ONE CALL
- 6. TESTING REQUIREMENTS:
- 6.1. TO BE COMPLETE AFTER ALL UTILITIES INSTALLED 6.2.150 PSI FOR 2 HOURS FOR WATER LINES. HYDROSTATIC TESTED 6.3.100 PSI FOR 2 HOURS FOR FORCE MAIN LINES, HYDROSTATIC TESTED 6.4.4 PSI FOR 10 MINUTES FOR SEWER GRAVITY LINES, AIR TESTED

6.5. WATER LINES TO BE STERILIZED (HTH) 24 HOURS, THEN FLUSHED, AND BACTERIOLOGICAL

6.6. AFTER BACTERIOLOGICAL TEST APPROVED, THEN INTERCONNECT TO MAIN LINE.

7. METERS

7.1.METERS ARE PROVIDED BY DISTRICT PAID FOR BY DEVELOPER 7.2.METER BOX ARE PROVIDED BY DISTRICT ON 5/8", 1", AND 2" METERS. 7.3.METER VAULT MUST BE INSTALLED BY THE DEVELOPER FOR 4", 6", 8", 10" METERS OR LARGER.

8. BACKFLOW ASSEMBLY

8.1. REQUIRED BY DISTRICT PER STATE REGULATIONS ON FIRELINE METERS, FIRE PROTECTION METERS, IRRIGATIONS METERS,

8.2.MOTEL/HOTELS OVER 4 STORIES HIGH, RESTAURANTS WITH FOUNTAIN DRINKS, ASSEMBLY TESTED BY CERTIFIED TESTER

8.3. WHEN INSTALLED AND ONCE A YEARTHEREAFTER, REPORT TURNED IN TO BACKFLOW PREVENTION DEPARTMENT AT DISTRICT.

8.4. BACKFLOW ASSEMBLY PAID BY THE DEVELOPER INSTALLED AFTER THE METER BEFORE ANY SPIGOT OR SINK OUTFLOW.

8.5.BACKfiOW ASSEMBLY APPROVED BY THE DISTRICT ON EACH APPLICATION.

BROWNSVILLE, TEXAS 78526

HALFF PROJECT NO. (AVO): 42852.001



GREEN. RUBIANO & ASSOCIATES

CONSULTING STRUCTURAL ENGINEERS 1220 WEST HARRISON HARLINGEN, TEXAS 78550 PH: (956)428-4461 FAX: (956)428-0287 FIRM REGISTRATION #F-4145

SEAL

PROJECT

WALKOVER AT WHITECAP CIRCLE

SOUTH PADRE ISLAND TEXAS

CLIENT

CITY OF SOUTH PADRE ISLAND



TEXAS P: 956-761-3044

F: 956-761-3898



MARK DATE **DESCRIPTION** DUNE RE-GRADING AREA (OUTSIDE PROPERTY / GLO LINE)

CONCRETE ADA RAMP WITH DETECTABLE WARNING

GENERAL LEGEND

PROPOSED

XX=XX.XX

— WTR —

EXISTING

_____ STORM SEWER

-- w -- water

--- ww --- SAN. SEWER GRAVITY / FORCEMAIN

XX=XX.XX SPOT ELEVATION

ASPHALT PAVEMENT

CONCRETE PAVEMENT

PARKING LOT PAVERS

LANDSCAPE / SOD

DRINKING FOUNTAIN

TRASH CAN

BENCH

BIKE RACK

PROPOSED

0

EXISTING

0

(—

INLET

SANITARY SEWERMANHOLE

WATER GATE VALVE & BOX

WATER METER

FIRE HYDRANT

LIGHT POLE

POWER POLE

TRAFFIC SIGN

GUY WIRE

—EX UGE — UNDERGROUND ELECTRIC

FENCE

— — EX OHE — OVERHEAD ELECTRIC

SANITARY CLEAN OUT

SANITARY SERVICE

BIKE LANE DELINEATOR

TELEPHONE PEDISTAL

PROJECT NO. 1065-16 DATE 03-29-202 DRAWN BY CHECKED BY RA SCALE AS SHOWN

SHEET TITLE

100% SUBMITTAL

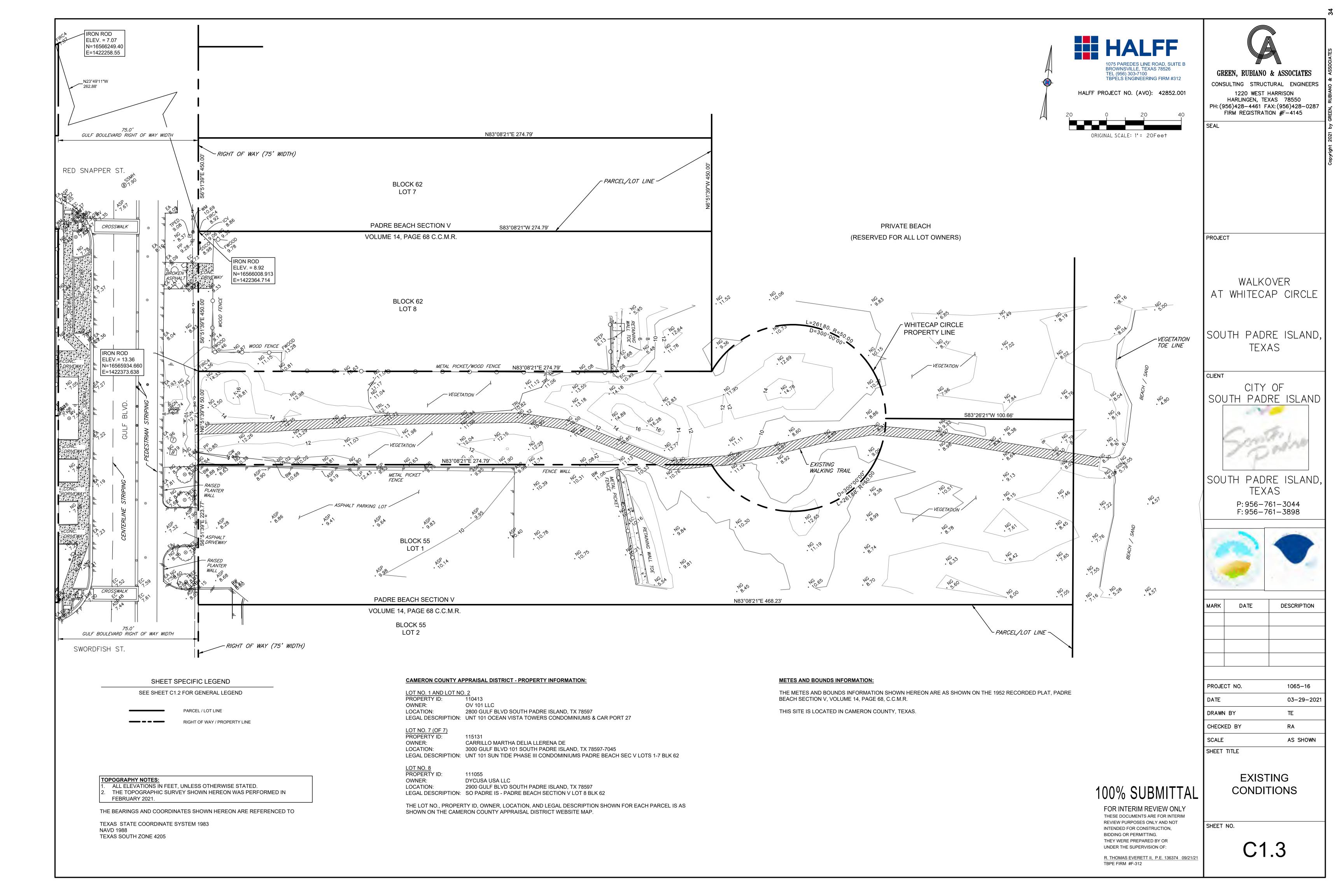
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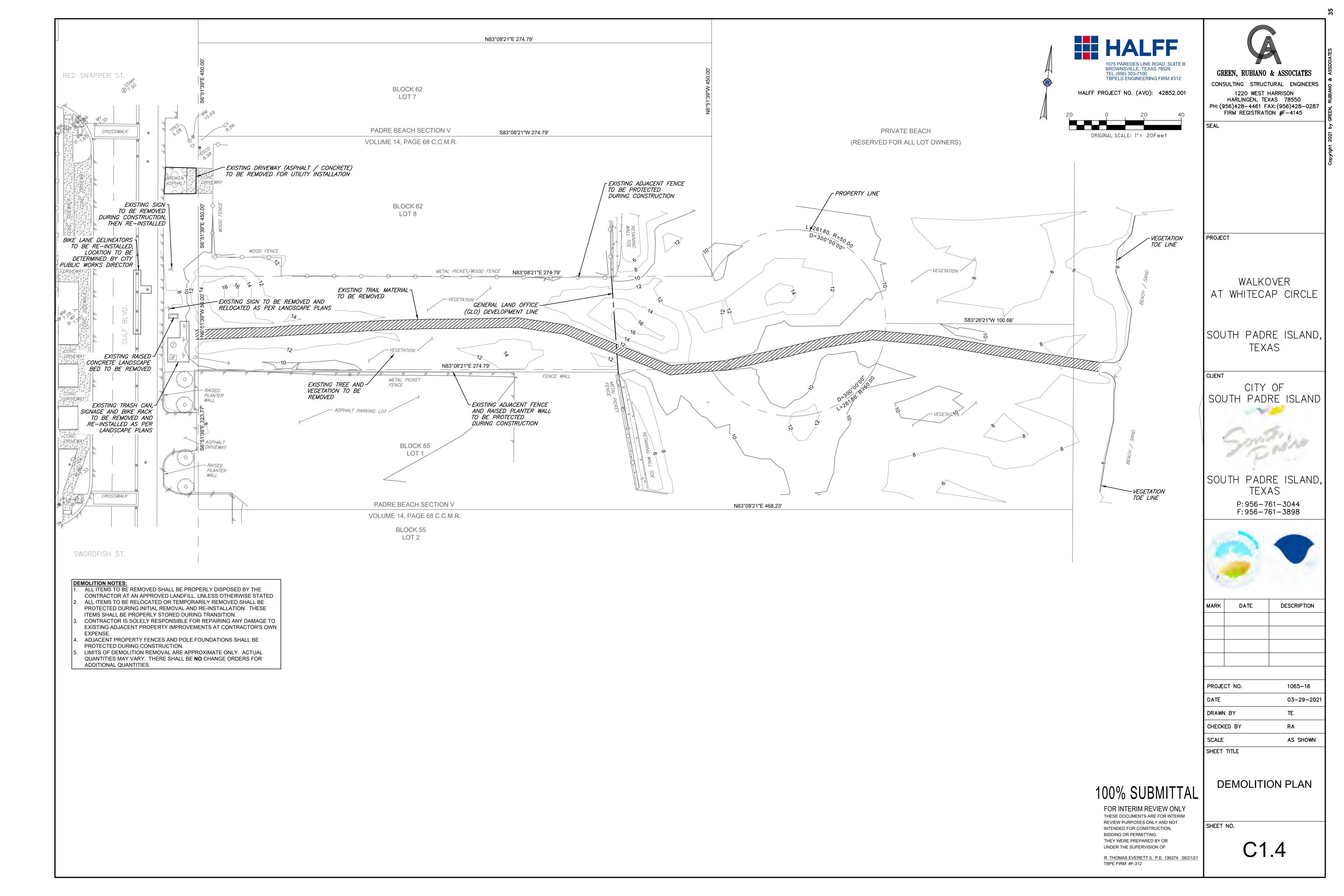
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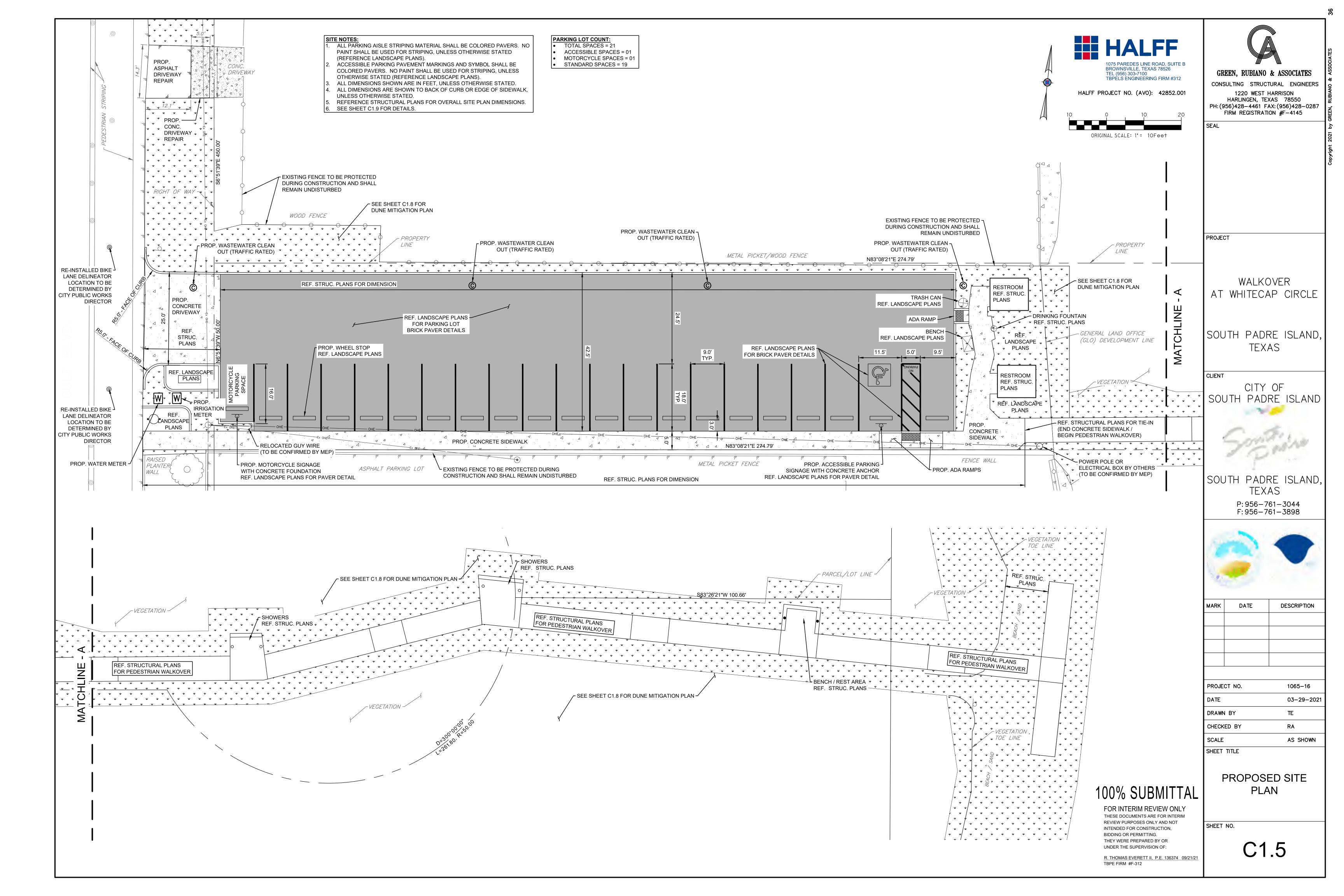
R. THOMAS EVERETT II, P.E. 136374 09/21/21 TBPE FIRM #F-312

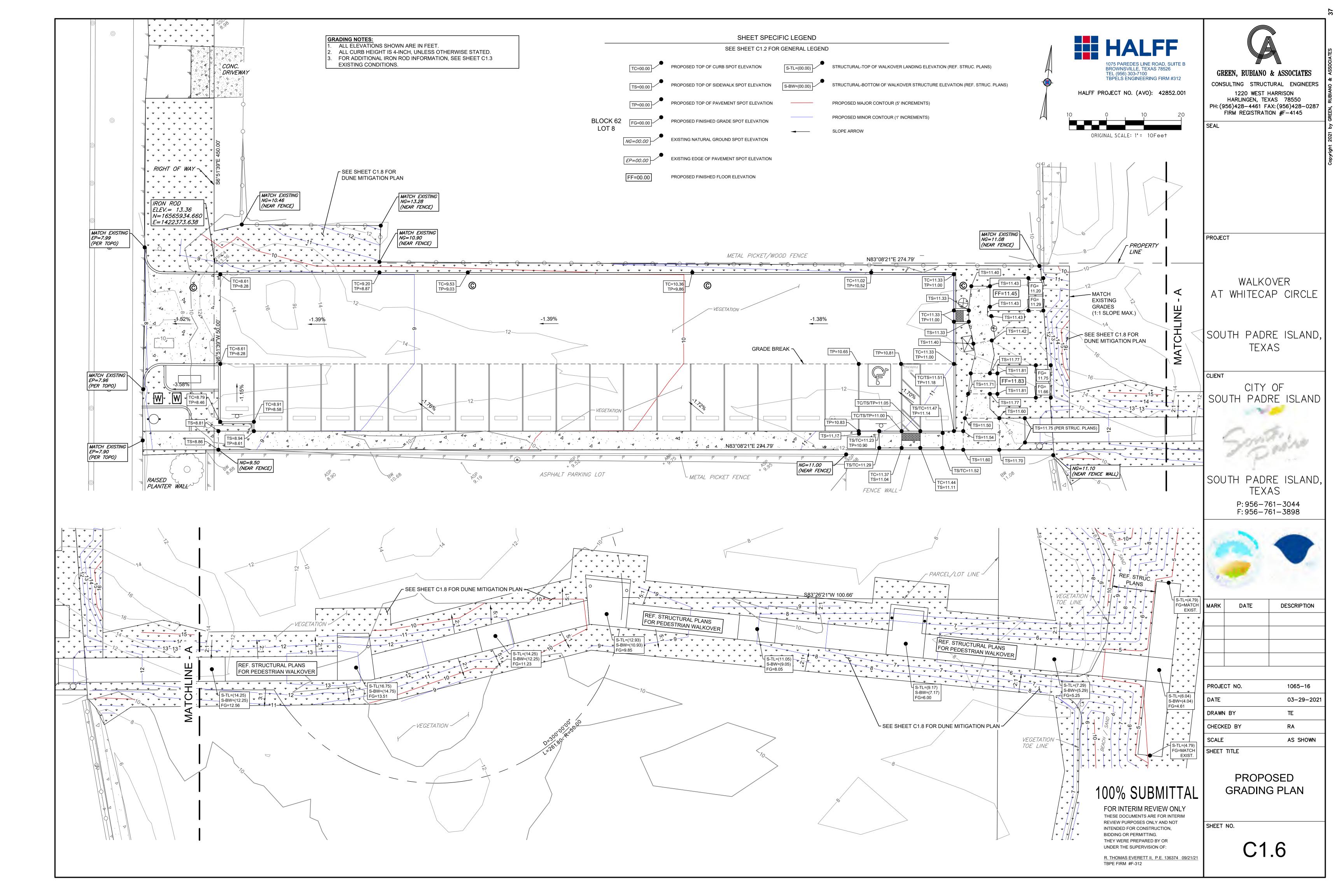
GENERAL NOTES AND LEGEND

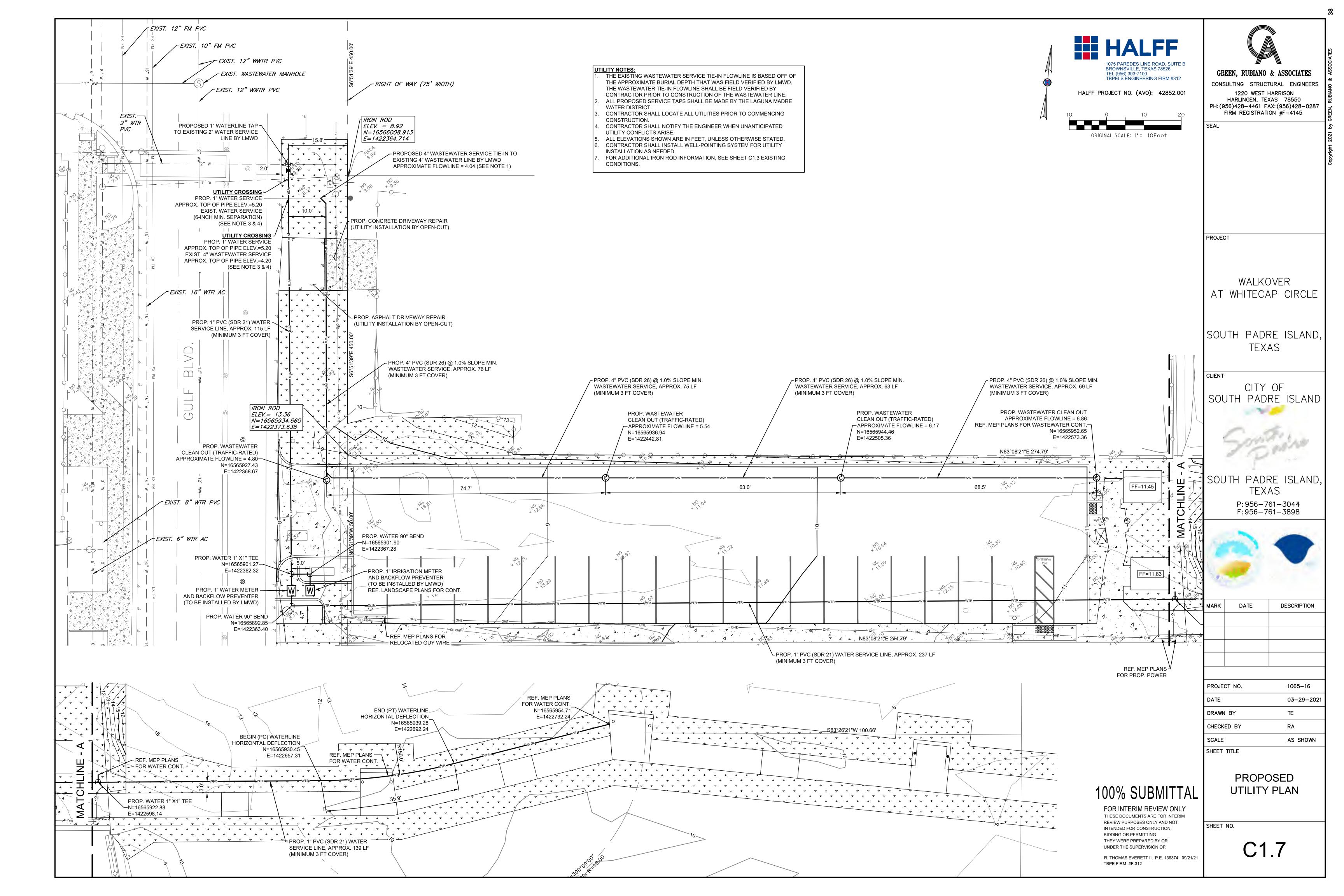
SHEET NO.

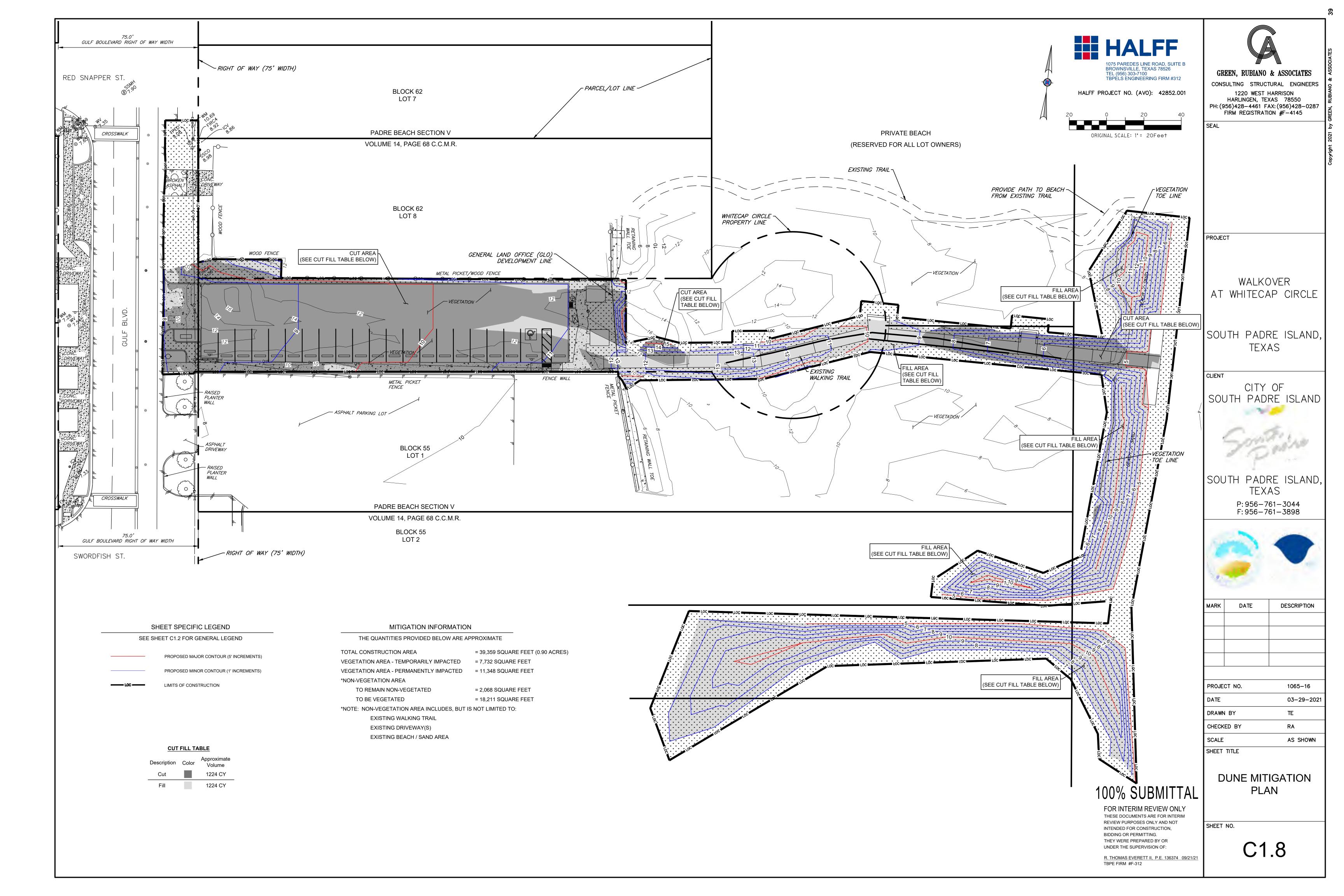


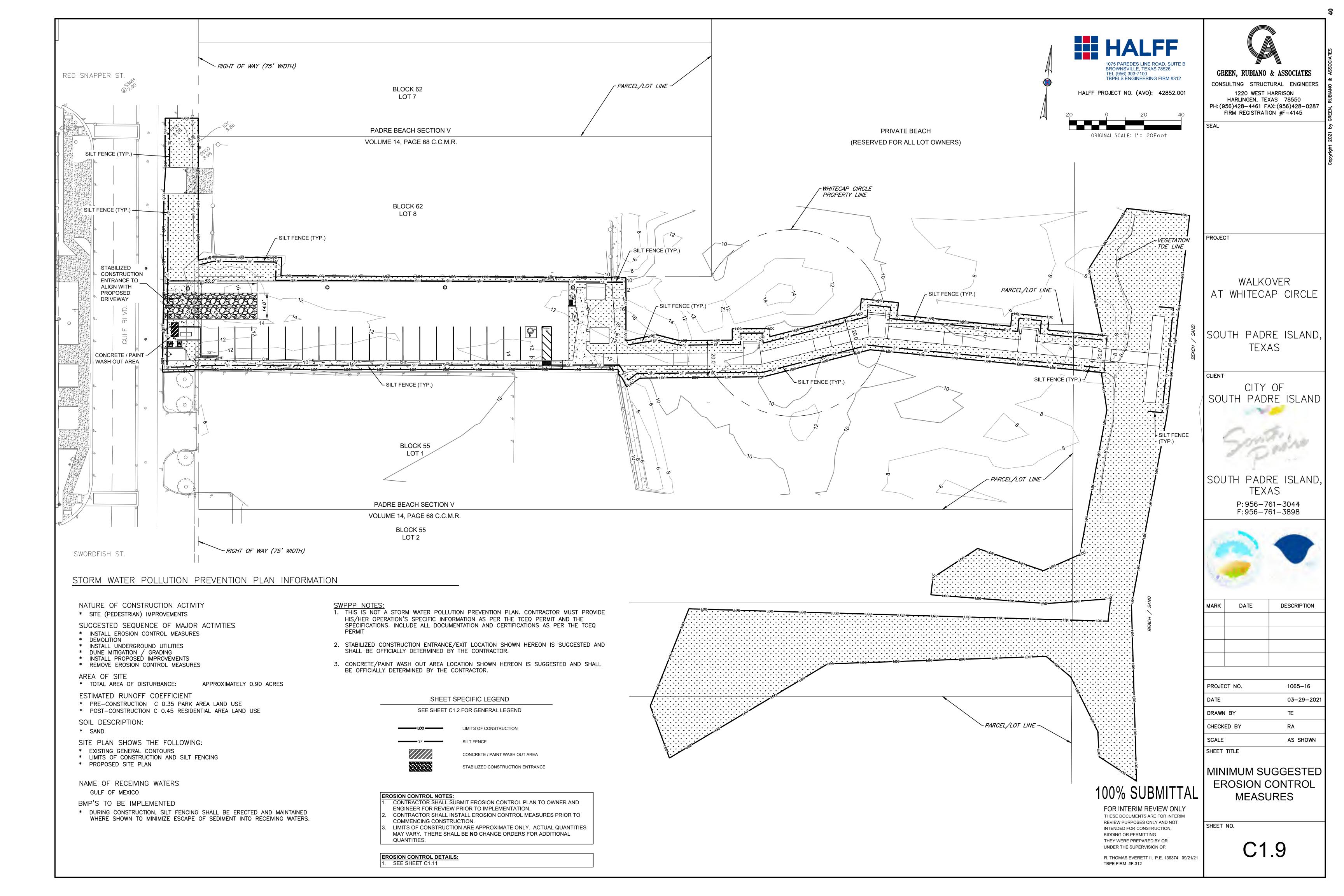


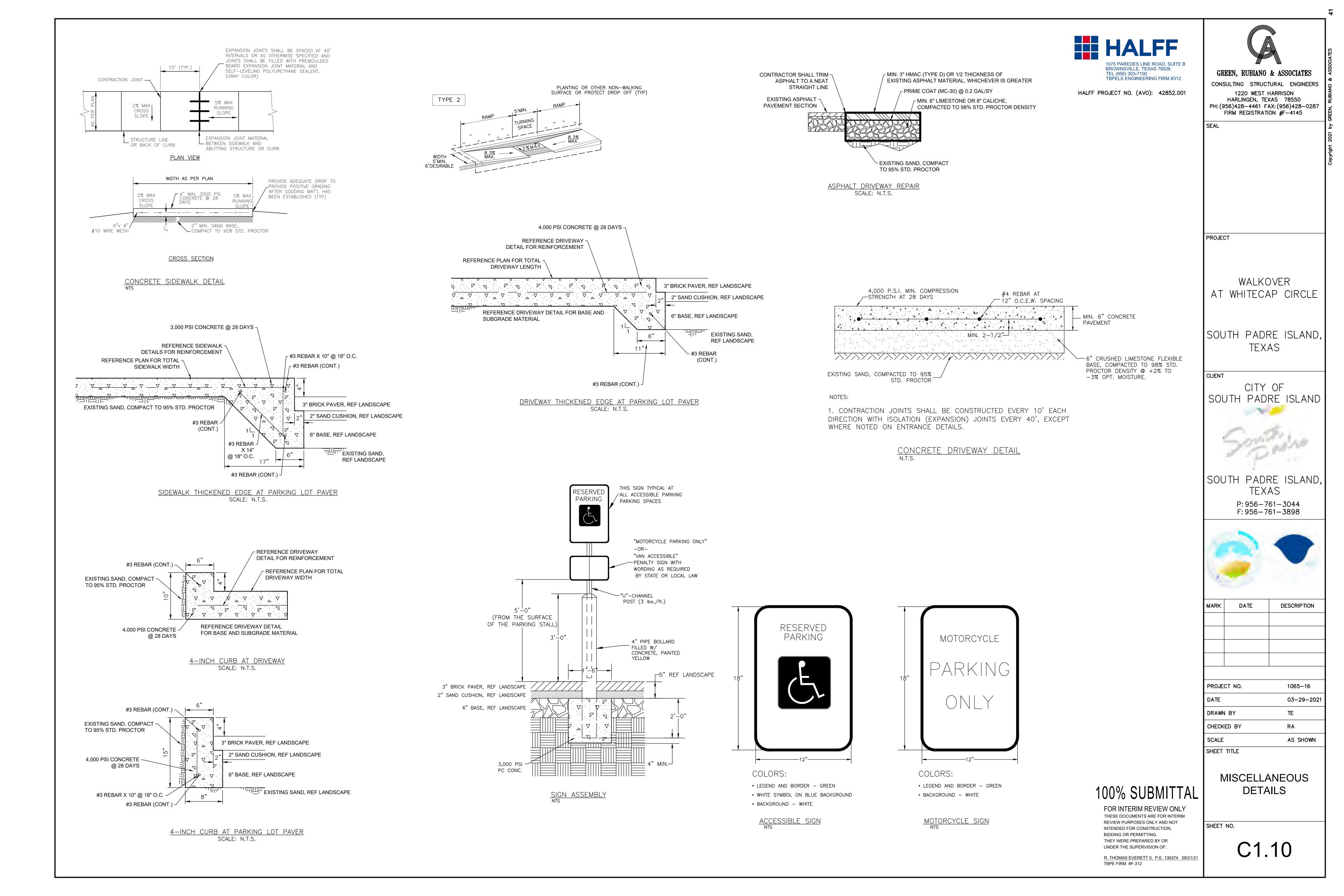












ISOMETRIC VIEW SILT FENCE DETAIL

GRAVEL BAGS.12" CONCRETE BLOCKS OR — OPEN GRADE ROCK

GRAVEL BAGS,

CONCRETE BLOCKS OR -OPEN GRADE ROCK

SILT FENCE NOTES:

- STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED WITH A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 18".
- 2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN WEIGHT FABRIC FLAP WITH WASHED GRAVEL ON UPHILL SIDE, AS NECESSARY, TO PREVENT FLOW UNDER FENCE.

 3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO WIRE MESH

 ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED.

 (4X4-W1.4XW1.4 MIN ALLOWABLE)

 4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR
 - TO BACKING SUPPORT, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POST. FABRIC SHALL OVERLAP AT ABUTTING ENDS A MINIMUM OF 3 FEET AND SHALL BE JOINED SUCH THAT NO BYPASS OR LEAKAGE OCCURS. 5. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED. 6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE. 7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6 INCHES.
 - THE SILT SHALL BE DISPOSED OF IN AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION. 8. ALL INLETS SHALL BE ENCIRCLED WITH SILT FENCE OR EROSION CONTROL LOGS. 9. IF EROSION CONTROL DEVICES INTERFERE WITH CONSTRUCTION, THEY MAY BE
 - CONTROL DEVICES MUST BE IN PLACE AT ALL OTHER TIMES. 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUBMITTAL OF A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) THAT SUPPLEMENTS THE INFORMATION PROVIDED IN THE DESIGN PLANS. THE SWPPP INFORMATION PROVIDED IN THE DESIGN PLANS DOES NOT MEET THE REQUIREMENTS SET FORTH IN THE TCEQ GENERAL PERMIT. THIS INFORMATION AND DETAILS ARE ONLY FOR INFORMATIONAL PURPOSES ONLY. (REFER TO SPECIFICATION 02370 -TPDES REQUIREMENTS).

TEMPORARILY REMOVED UNTIL THAT PORTION OF WORK IS COMPLETE. EROSION

50'-0' MIN. → GRADE TO PREVENT RUNOFF FROM LEAVING SITE EXISTING GRADE — PROFILE -50'-0' MIN. TRANSITION TO ROADWAY

STABILIZED CONSTRUCTION EXIT

CONSTRUCTION ENTRANCE/EXIT NOTES

THICKNESS SHALL NOT BE LESS THAN 8 INCHES.

- 1. LENGTH SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS, BUT NOT LESS THAN 50 FEET. 2. STONE SHALL BE 3 TO 5 INCH DIAMETER CRUSHED ROCK OR ACCEPTABLE CRUSHED CONCRETE.
- 3. WIDTH SHALL NOT BE LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
- 4. STABILIZATION FOR OTHER AREAS SHALL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION EXIT, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS.
- 5. STABILIZED AREA MAY BE WIDENED OR LENGTHENED TO ACCOMMODATE A TRUCK WASHING AREA. AN OUTLET SEDIMENT TRAP MUST BE PROVIDED FOR THE TRUCK WASHING AREA.
- 6. STABILIZED CONSTRUCTION EXIT MUST BE PROPERLY GRADED OR INCORPORATE DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE AND SHALL BE MAINTAINED FREE OF SEDIMENT FOR THE DURATION OF THE PROJECT.
- 7. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE A CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PAVED SURFACES, MUST BE REMOVED IMMEDIATELY.
- 8. STABILIZED CONSTRUCTION EXIT SHALL BE USED FOR SUBGRADE OF THE PROPOSED ACCESS DRIVE. CONTRACTOR TO LEVEL STABILIZED ROCK AND PLACE CRUSHED LIMESTONE AS PER DETAIL.

18"x18x2" CONC. SLAB -NOTE: 12" MIN. CONC. WITH 3 #3 BARS 3" O.C. CONTINUOUS IF IN PARKING LOT OR OTHER VEHICULAR TRAFFIC 12" MIN. CONC. REQUIRED IN PARKING OR OTHER VEHICULAR TRAFFIC AREA ALL PIPING 4" PVC SCH 40

SINGLE BARREL DOUBLE CLEAN-OUT

BROWNSVILLE, TEXAS 78526 TEL (956) 303-7100 TBPELS ENGINEERING FIRM #312

MINIMUM 3" HMAC (TYPE D) OR 1/2 THICKNESS OF

HALFF PROJECT NO. (AVO): 42852.001

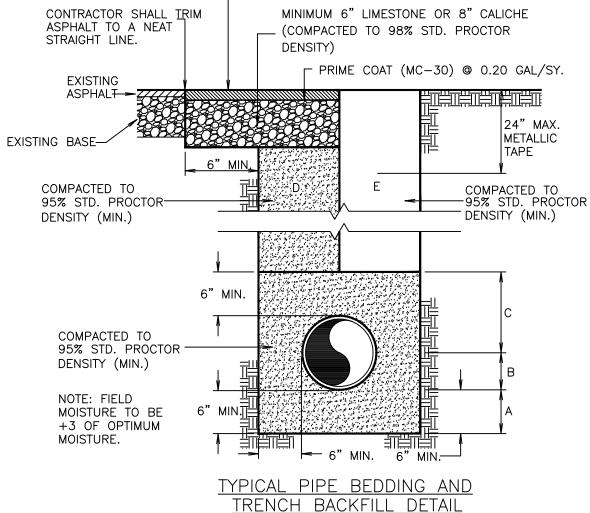


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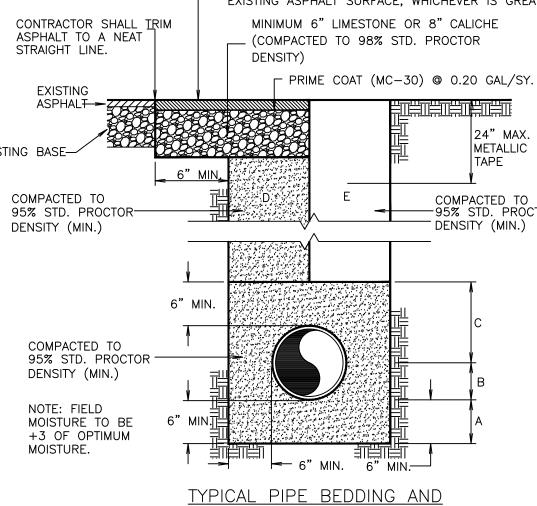
SEAL

PROJECT



- A SAND BEDDING PLACED BEFORE PIPE IS LAID UP TO FLOW LINE OF PIPE (MIN. THICKNESS = 6").

- FOUNDATION PREPARATION (WELLPOINTS, GRAVEL OR CEMENT STABILIZATION, OR APPROVED SUBSTITUTE) SHALL BE REQUIRED WHEN TRENCH BOTTOM IS
- BACKFILLING AT STRUCTURES SHALL BE PLACED IN UNIFORM LAYERS, MOISTENED AS REQUIRED TO APPROXIMATE OPTIMUM MOISTURE CONTENT, AND COMPACTED TO 95% STD. PROCTOR DENSITY. THE THICKNESS OF EACH LOOSE LAYER SHALL NOT EXCEED 6". STRUCTURE BACKFILL MATERIAL SHALL BE SAND, APPROVED SITE



- B SAND BACKFILL PLACED AFTER PIPE IS LAID FROM BOTTOM OF PIPE TO SPRING LINE OF PIPE (4" LIFTS, HAND TAMPED).
- C SAND BACKFILL PLACED FROM SPRING LINE OF PIPE TO 6" ABOVE TOP OF PIPE (6" LIFTS, HAND TAMPED).
- D SAND BACKFILL, CLASS "A" (6" LIFTS, MECHANICAL COMPACTION).
- E EARTH BACKFILL, CLASS "B" (12" LIFTS, MECHANICAL COMPACTION).
- UNSTABLE.)
- SOIL, OR OTHER APPROVED SUBSTITUTE.

EXISTING ASPHALT SURFACE, WHICHEVER IS GREATER

CLIENT

CITY OF SOUTH PADRE ISLAND

WALKOVER

AT WHITECAP CIRCLE

SOUTH PADRE ISLAND

TEXAS



SOUTH PADRE ISLAND, TEXAS P: 956-761-3044

F: 956-761-3898



MARK	DATE	DESCRIPTION

PROJECT NO.	1065–16
DATE	03-29-2021
DRAWN BY	TE
CHECKED BY	RA
SCALE	AS SHOWN

MISCELLANEOUS DETAILS

SHEET NO.

100% SUBMITTAL

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R. THOMAS EVERETT II, P.E. 136374 09/21/21

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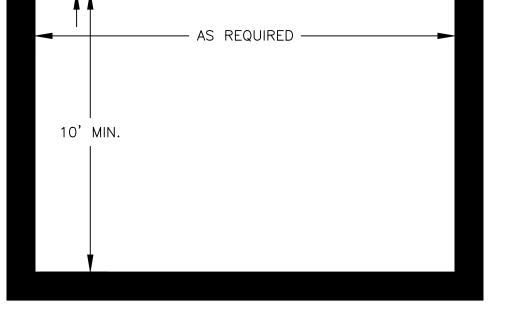
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TBPE FIRM #F-312

UNDER THE SUPERVISION OF:

SHEET TITLE

C1.11



SHEETING

— AS REQUIRED

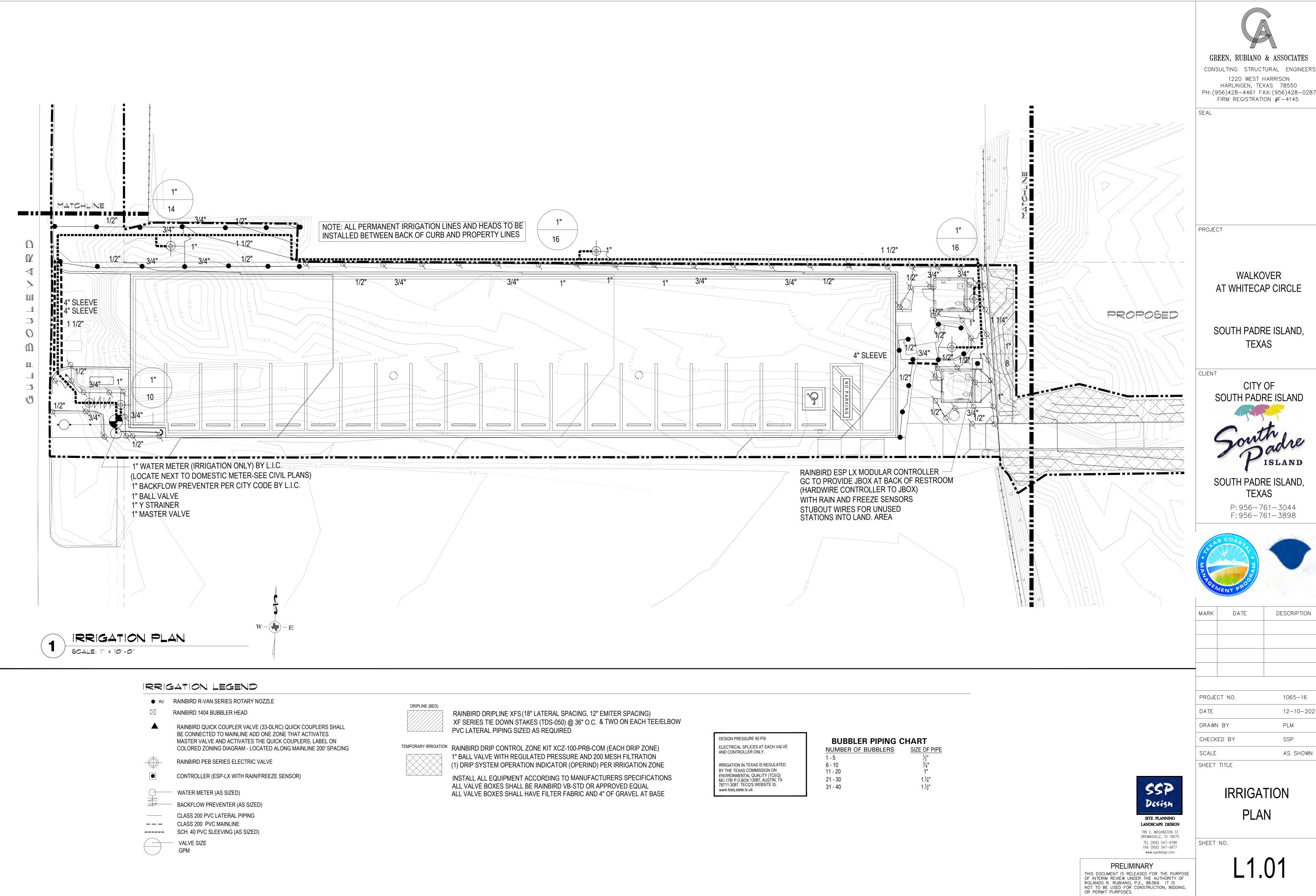
WASHOUT PIT NOTES

NATURAL

GROUND

- . THE EXCAVATION FOR THE CONCRETE WASHOUT SHALL BE A MINIMUM OF 10' WIDE AND A SUFFICIENT LENGTH AND DEPTH TO ACCOMMODATE 7 GALLONS OF WASHOUT WATER AND CONCRETE PER TRUCK PER DAY AND/OR 50 GALLONS WATER AND CONCRETE PER
- 2. IN THE EVENT THAT THE CONCRETE TRUCK WASHOUT IS CONSTRUCTED ABOVE GROUND, IT SHALL BE 10 FEET WIDE AND 10 FEET LONG WITH WITH THE SAME REQUIREMENTS FOR CONTAINMENT AS DESCRIBED IN NOTE 1.
- 3. THE CONTAINMENT AREA SHALL BE LINED WITH 10 MIL. PLASTIC SHEETING WITHOUT HOLES OR TEARS. WHERE THERE ARE SEAMS, THESE SHALL BE SECURED ACCORDING TO MANUFACTURERS' DIRECTIONS.
- 4. THE BERM CONSISTING OF GRAVEL BAGS, CONCRETE BLOCKS OR OPEN GRADED ROCK SHALL BE NO LESS THAN 18 INCHES HIGH AND NO LESS THAN 12 INCHES WIDE.
- 5. THE PLASTIC SHEETING SHALL BE OF SUFFICIENT SIZE SO THAT IT WILL OVER LAP THE TOP OF THE CONTAINMENT AREA AND BE WRAPPED AROUND THE GRAVEL BAGS, CONCRETE BLOCKS OR OPEN GRADED ROCK AT LEAST TWO TIMES.
- THE GRAVEL BAGS, CONCRETE BLOCKS OR OPEN GRADED ROCK SHALL BE PLACED ABUTTING EACH OTHER TO FORM A CONTINUOUS BERM AROUND THE OUTER PERIMETER OF THE CONTAINMENT AREA.
- THE WASHOUT MATERIAL IN THE CONTAINMENT AREA SHALL NOT EXCEED 50% OF
- 8. SOLIDS SHALL BE REMOVED FROM CONTAINMENT AREA AND DISPOSED OF PROPERLY. ANY DAMAGE TO THE PLASTIC SHEETING SHALL BE REPAIRED OR SHEETING BE REPLACED

CONCRETE / PAINT WASHOUT PIT



GREEN, RUBIANO & ASSOCIATES

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SOUTH PADRE ISLAND

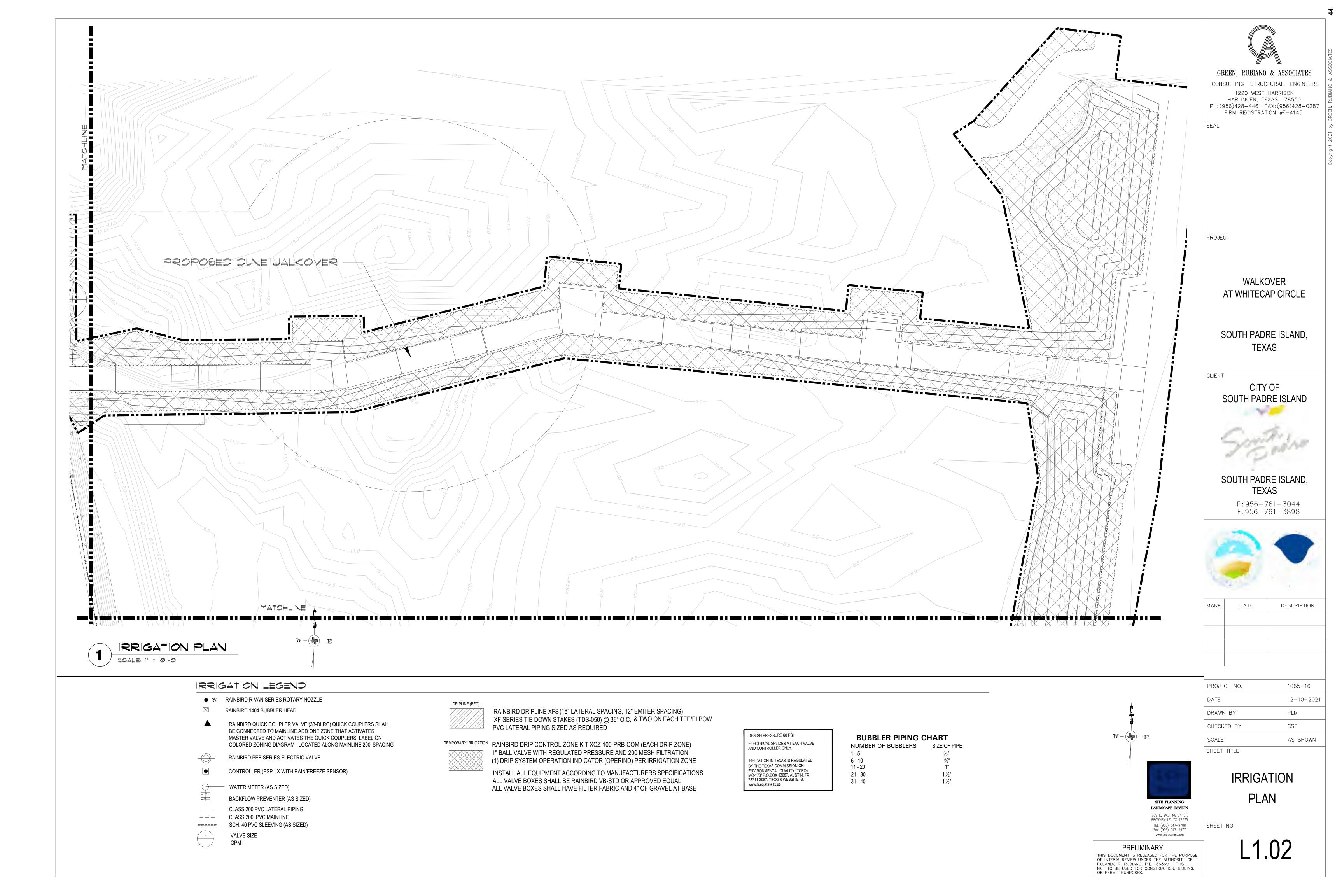
SOUTH PADRE ISLAND,

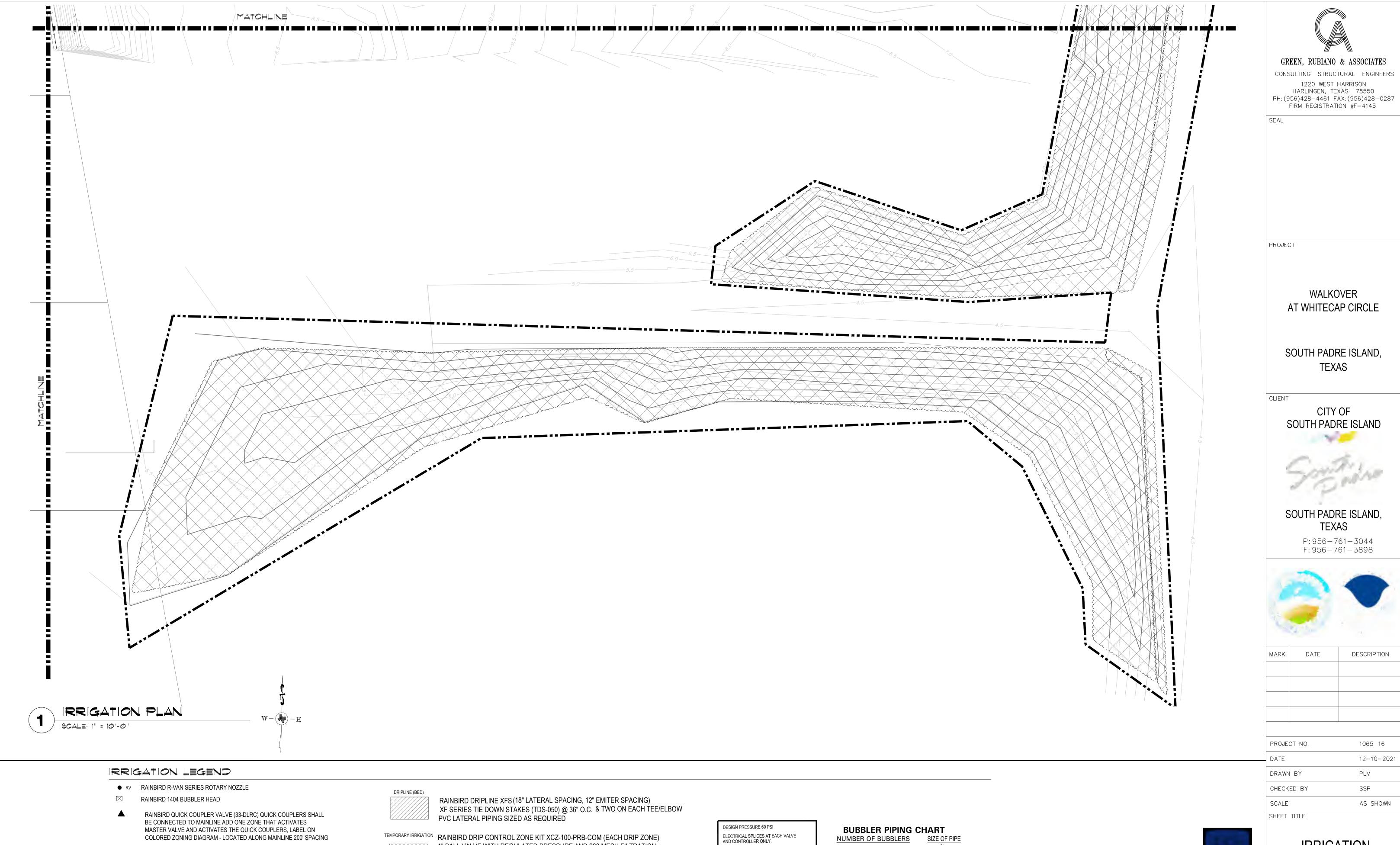
P: 956-761-3044

MARK	DATE	DESCRIPTION

PROJECT NO.	1065-16
)ATE	12-10-2021
DRAWN BY	PLM
CHECKED BY	SSP

IRRIGATION





RAINBIRD PEB SERIES ELECTRIC VALVE

CONTROLLER (ESP-LX WITH RAIN/FREEZE SENSOR)

WATER METER (AS SIZED)

BACKFLOW PREVENTER (AS SIZED)

CLASS 200 PVC LATERAL PIPING CLASS 200 PVC MAINLINE SCH. 40 PVC SLEEVING (AS SIZED)

VALVE SIZE GPM



1" BALL VALVE WITH REGULATED PRESSURE AND 200 MESH FILTRATION (1) DRIP SYSTEM OPERATION INDICATOR (OPERIND) PER IRRIGATION ZONE

INSTALL ALL EQUIPMENT ACCORDING TO MANUFACTURERS SPECIFICATIONS ALL VALVE BOXES SHALL BE RAINBIRD VB-STD OR APPROVED EQUAL ALL VALVE BOXES SHALL HAVE FILTER FABRIC AND 4" OF GRAVEL AT BASE

IRRIGATION IN TEXAS IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) MC-178/ P.O.BOX 13087, AUSTIN, TX 78711-3087. TECQ'S WEBSITE IS: www.tceq.state.tx.us

6 - 10 11 - 20 21 - 30 1 ½" 1 ½" 31 - 40



789 E. WASHINGTON ST. BROWNSVILLE, TX 78575 TEL (956) 547-9788 FAX (956) 547-9977

www.sspdesign.com

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SITE PLANNING LANDSCAPE DESIGN

PLAN SHEET NO.

IRRIGATION

1220 WEST HARRISON HARLINGEN, TEXAS 78550

WALKOVER

AT WHITECAP CIRCLE

TEXAS

CITY OF

SOUTH PADRE ISLAND,

TEXAS

DATE

P: 956-761-3044 F: 956-761-3898

DESCRIPTION

1065-16

PLM

SSP

12-10-2021

AS SHOWN

FIRM REGISTRATION #F-4145

SEAL

SITE PLANNING

LANDSCAPE DESIGN

789 E. WASHINGTON ST. BROWNSVILLE, TX 78575

TEL (956) 547-9788 FAX (956) 547-9977

www.sspdesign.com

RAIN BIRD XFF-MA FITTING (TYPICAL)

"XFS FLUSH POINT WITH BALL VALVE"

2"-4" FROM PERIMETER OF AREA

NON-POTABLE: XFSP DRIPLINE

RAIN BIRD XFD-CROSS (TYPICAL)

POTABLE: XFS DRIPLINE

RAIN BIRD XFF-TEE OR

INSTALLATION

FLOW DEMAND)

1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR

3. SAVE YOUR HANDS. USE THE RAIN BIRD FITTINS—TOOL XF INSERTION TOOL FOR FITTING ASSEMBLY.

2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS

TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF

FEET IN LOAM, AND FIVE FEET IN CLAY.

THE CHANGE OF DIRECTION.

RAIN BIRD XF SERIES DRIPLINE (TYPICAL)

SEE RAIN BIRD XFS DETAILS FOR AIR RELIEF

ZONE VALVE KIT (SIZED TO MEET LATERAL

SEE RAIN BIRD DETAIL "XFS FLUSH POINT" OR

PROJECT

AT WHITECAP CIRCLE

WALKOVER

SOUTH PADRE ISLAND, **TEXAS**

CLIENT

CITY OF

(1) ON-SURFACE DRIPLINE: POTABLE: XFS DRIPLINE
NON-POTABLE: XFSP DRIPLINE 2 INLINE DRIP EMITTER OUTLET, SEE PLANS FOR DRIPLINE OUTLET SPACING.

3 BARB TEE 17x17x17mm RAIN BIRD XFF-TEE 4 BARB COUPLING 17x17mm RAIN BIRD XFF-COUP

5 BARB ELBOW 17x17mm RAIN BIRD XFF-ELBOW

(6) BARB MALE ADAPTER 17mm X 1/2" RVT RAIN BIRD XFF-MA-050

17mm X 3/4" RVT RAIN BIRD XFF-MA-075 (7) PVC TEE SxSxT

(8) PVC LATERAL SUPPLY HEADER (9) TIE DOWN STAKE: RAIN BIRD TDS-050 WITH BEND (TYPICAL) (11) RAIN BIRD XF SERIES BLANK TUBING LENGTH AS REQUIRED

SOUTH PADRE ISLAND, **TEXAS**



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SCALE	AS SHOWN

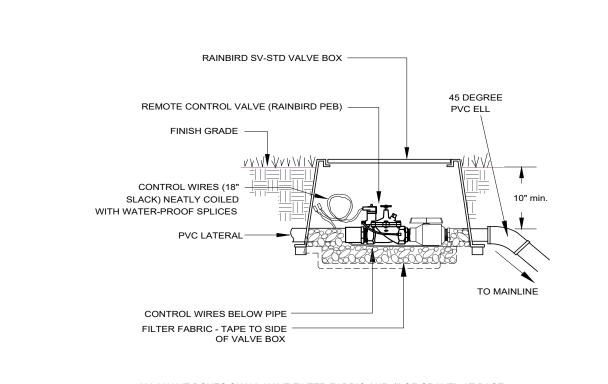
SHEET TITLE

IRRIGATION DETAILS

SHEET NO.

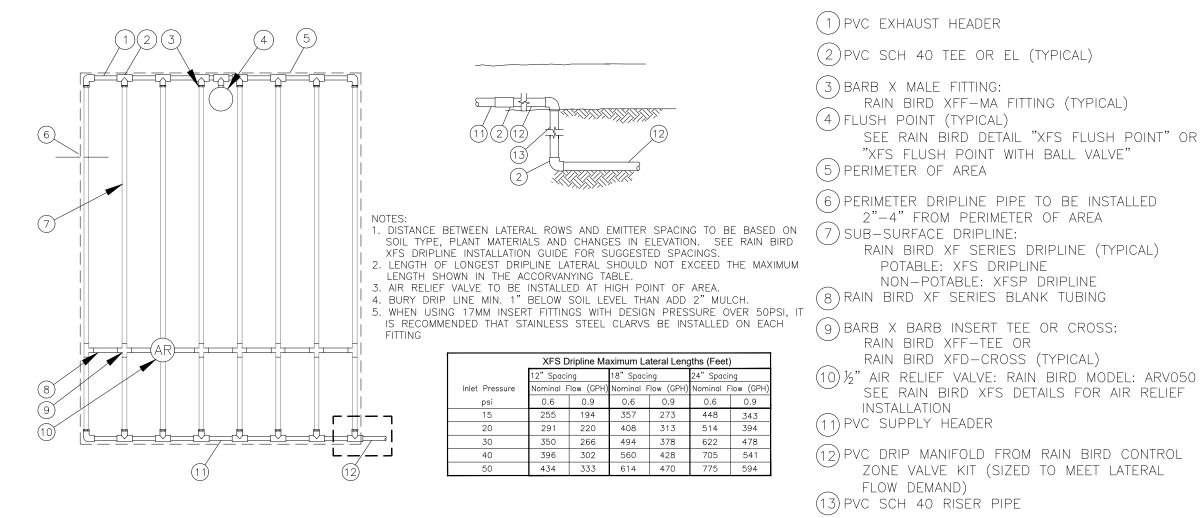
IRRIGATION NOTES

- 1. All equipment numbers reference Rainbird equipment catalog unless otherwise indicated.
- 2. LAWN SPRAY HEADS are RVAN installed as per detail.
- 3. SHRUB SPRAY HEADS are RVAN installed as per detail.
- 4. ELECTRIC CONTROL VALVES shall be PEB installed as per detail shown. Size valves as shown on plans. Valves shall be installed in valve boxes large enough to permit manual operation, removal of solenoid and/or valve cover without any earth excavation. (Refer to Specifications)
- 5. AUTOMATIC CONTROLLER shall be installed at location shown. Power (120V) shall be located in a junction box within five feet (5') of controller location. Power supply and junction box to be provided by General Contractor.
- All 24 volt valve wiring is to be UF 14 single conductor. All wire splices are to be permanent and waterproof. (Refer to Specifications)
- 7. SLEEVES shall be supplied and installed by Irrigation Contractor. Sleeve material shall be Schedule 40. Bore under existing pavement as required. Sizes as indicated on plans.
- 8. Ten days prior to start of construction, contractor shall verify static water pressure. If static pressure is less than 50 PSI, do not start work until notified to do so by SSP Design.
- 9. All mainline and lateral piping shall have a minimum of 12 inches of cover. All piping under paving shall have a minimum of 18 inches of cover. (Refer to Specifications).
- 10. The irrigation contractor shall coordinate installation of the system with the landscape contractor so that all plant material will be watered in accordance with the intent of the plans and specifications.
- 11. The irrigation contractor shall select the proper arc and radius for each nozzle to insure 100% and proper coverage of all lawn areas and plant material. All nozzles in parking lots and planting beds shall be low angle to minimize overspray on pavement surfaces. No water will be allowed to spray on building.
- 12. The irrigation contractor shall warranty all system components for a period of one year plus 20 days. (Refer to Specifications).
- 13. See specifications for further instructions and project requirements. Contractor shall follow specification section 328000 - Site Irrigation for any discrepancies between plans and specifications.

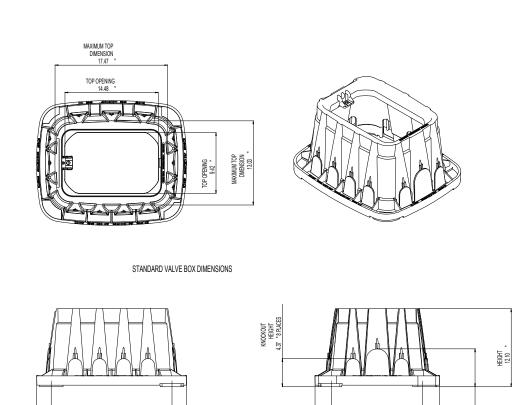


ALL VALVE BOXES SHALL HAVE FILTER FABRIC AND 4" OF GRAVEL AT BASE

REMOTE CONTROL VALVE



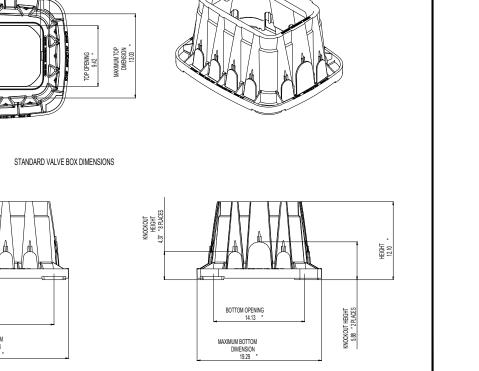
XFS SUB-SURFACE DRIPLINE END FEED LAYOUT INST. N.T.S.



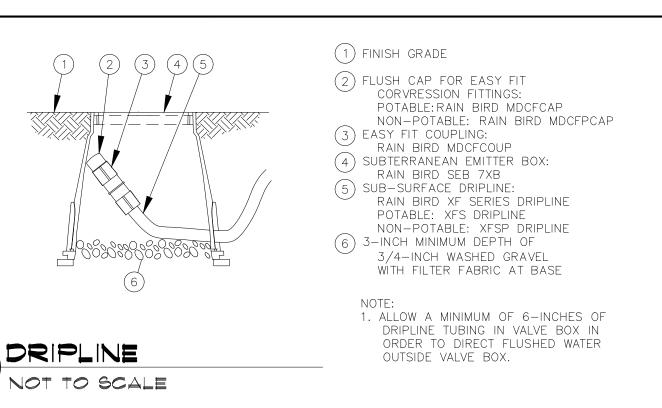
ALL VALVE BOXES SHALL BE RAINBIRD VB-STD OR APPROVED EQUAL

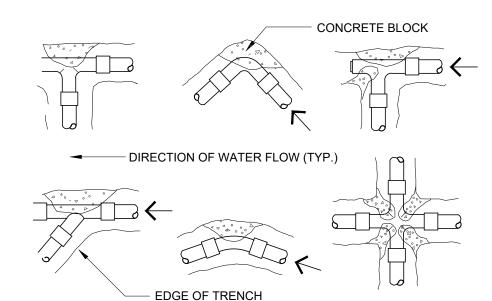
BOTTOM OPENING 18.72 "

VALVE BOX (VB-STD)



ALL VALVE BOXES SHALL HAVE FILTER FABRIC AND 4" OF GRAVEL AT BASE





IRRIGATION LEGEND

RV RAINBIRD R-VAN SERIES SPRAY NOZZLE

RAINBIRD 1404 BUBBLER HEAD

WATER METER (AS SIZED)

CLASS 200 PVC MAINLINE

SCH. 40 PVC SLEEVING (AS SIZED)

VALVE SIZE

TEMPORARY IRRIGATION

DESIGN PRESSURE 60 PSI

AND CONTROLLER ONLY.

www.tceq.state.tx.us

ELECTRICAL SPLICES AT EACH VALVE

IRRIGATION IN TEXAS IS REGULATED

BY THE TEXAS COMMISSION ON

ENVIRONMENTAL QUALITY (TCEQ)

MC-178/ P.O.BOX 13087, AUSTIN, TX 78711-3087. TECQ'S WEBSITE IS:

BACKFLOW PREVENTER (AS SIZED)

CLASS 200 PVC LATERAL PIPING

RAINBIRD PEB SERIES ELECTRIC VALVE

CONTROLLER (ESP-LX WITH RAIN/FREEZE SENSOR)

RAINBIRD QUICK COUPLER VALVE (33-DLRC) QUICK COUPLERS SHALL

BE CONNECTED TO MAINLINE ADD ONE ZONE THAT ACTIVATES

MASTER VALVE AND ACTIVATES THE QUICK COUPLERS, LABEL ON

COLORED ZONING DIAGRAM - LOCATED ALONG MAINLINE 200' SPACING

BUBBLER PIPING CHART

1 1/4"

1½"

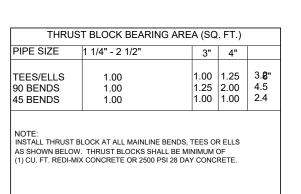
NUMBER OF BUBBLERS

6 - 10

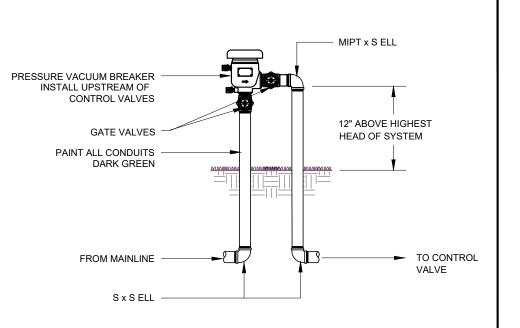
11 - 20

21 - 30

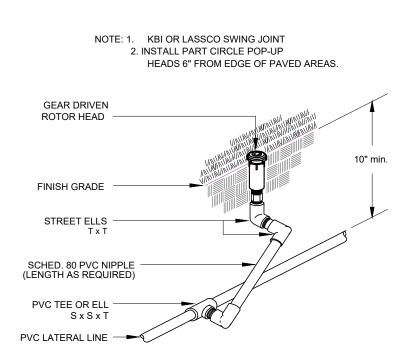
31 - 40



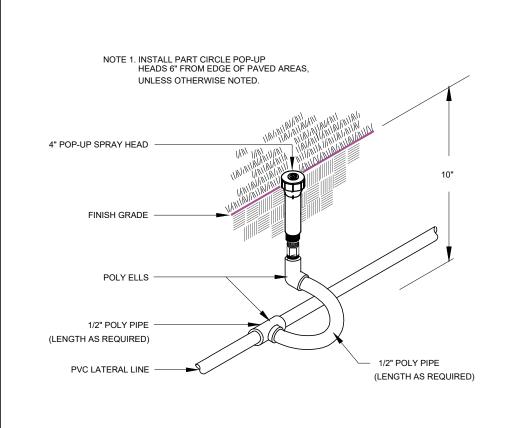


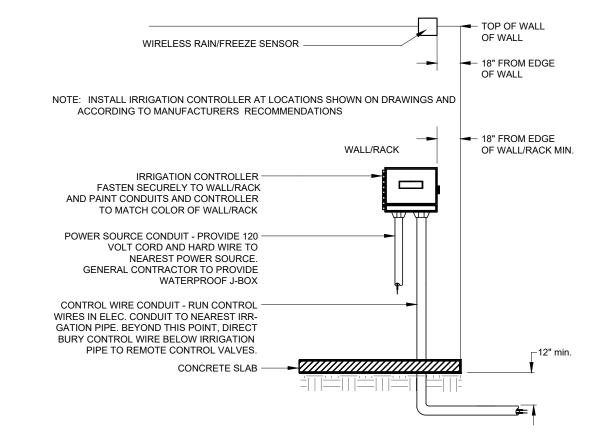






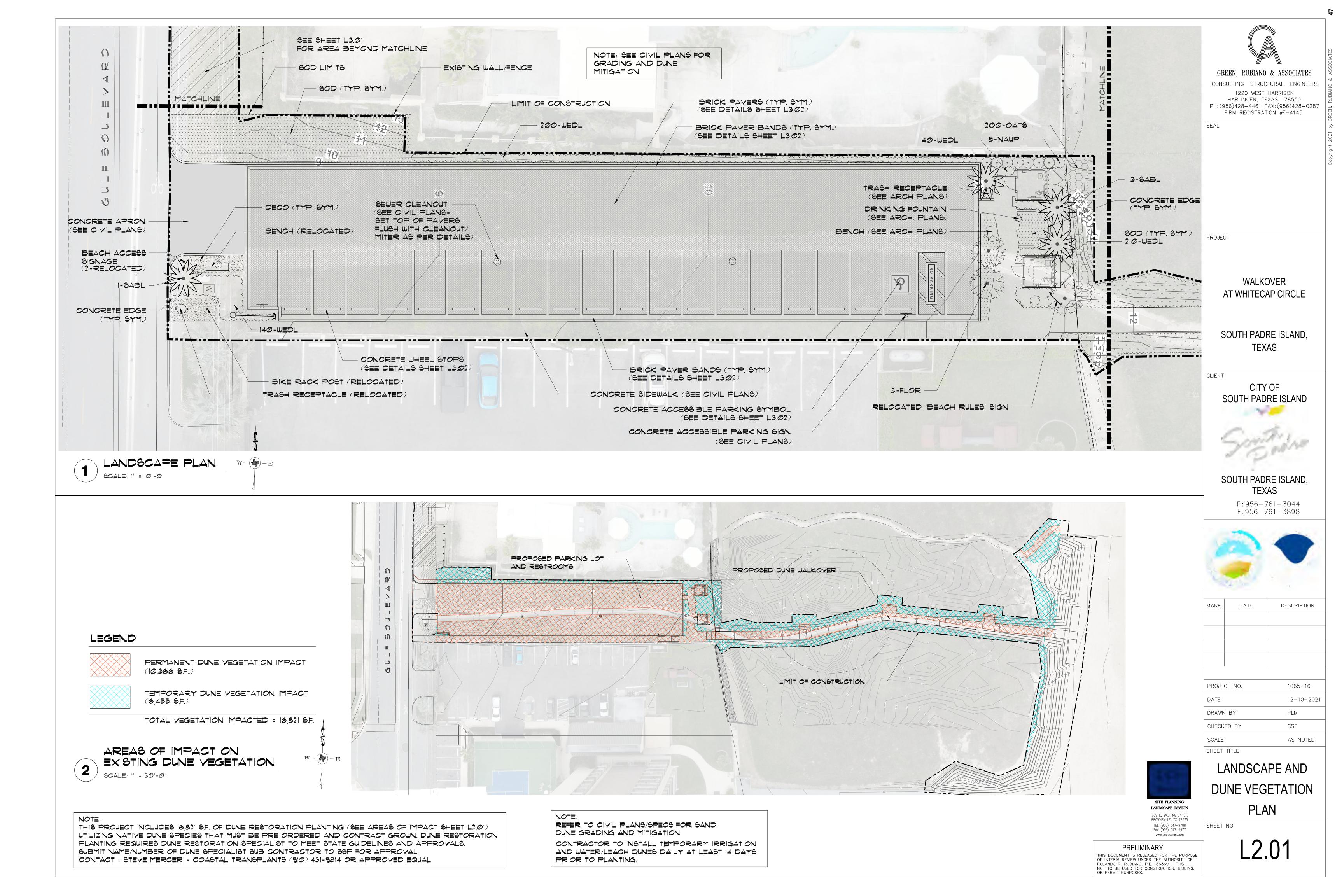


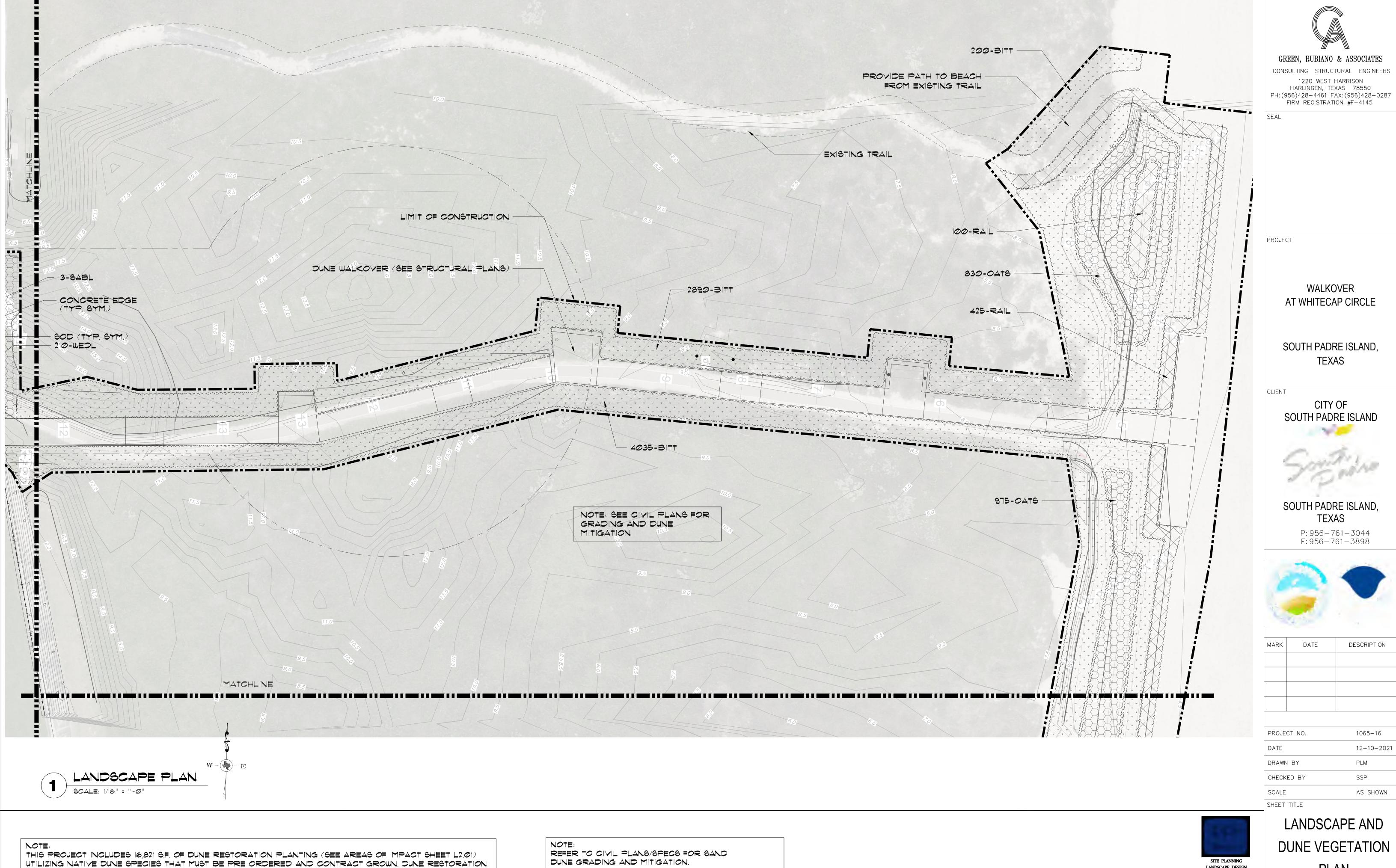




WALL/RACK MOUNTED CONTROLLER

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CONTRACTOR TO INSTALL TEMPORARY IRRIGATION

AND WATER/LEACH DUNES DAILY AT LEAST 14 DAYS

PRIOR TO PLANTING.

PLANTING REQUIRES DUNE RESTORATION SPECIALIST TO MEET STATE GUIDELINES AND APPROVALS.

Submit Name/Number of Dune Specialist sub contractor to SSP for approval

Contact : Steve Mercer - Coastal transplants (910) 431-9814 or approved equal

PLAN LANDSCAPE DESIGN

SHEET NO.

789 E. WASHINGTON ST.

BROWNSVILLE, TX 78575 TEL (956) 547-9788 FAX (956) 547-9977

www.sspdesign.com

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THIS PROJECT INCLUDES 16,821 S.F. OF DUNE RESTORATION PLANTING (SEE AREAS OF IMPACT SHEET L2.01) UTILIZING NATIVE DUNE SPECIES THAT MUST BE PRE ORDERED AND CONTRACT GROWN. DUNE RESTORATION PLANTING REQUIRES DUNE RESTORATION SPECIALIST TO MEET STATE GUIDELINES AND APPROVALS. Submit name/number of dune specialist sub contractor to SSP for approval CONTACT: STEVE MERCER - COASTAL TRANSPLANTS (910) 431-9814 OR APPROVED EQUAL

REFER TO CIVIL PLANS/SPECS FOR SAND DUNE GRADING AND MITIGATION.

CONTRACTOR TO INSTALL TEMPORARY IRRIGATION AND WATER/LEACH DUNES DAILY AT LEAST 14 DAYS PRIOR TO PLANTING.



SITE PLANNING LANDSCAPE DESIGN 789 E. WASHINGTON ST. BROWNSVILLE, TX 78575 TEL (956) 547-9788 FAX (956) 547-9977 www.sspdesign.com

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DUNE VEGETATION PLAN

SHEET NO.

WORK UNDER THIS CONTRACT INCLUDES SITE REVIEW AND COORDINATION WITH EXISTING CONDITIONS, SITE CLEANUP, EXCAYATION, BED PREP, TILLING, DUNE RESTORATION, PLANTING, STAKING, IRRIGATION, MAINTENANCE,

SCHEDULE ARE FOR CONVENIENCE ONLY.

3. NOTIFY SSP DESIGN PRIOR TO BID OF ANY DISCREPANCIES IN DRAWINGS/DETAILS OR INSUFFICIENT QUANTITIES DUE TO DIFFERENCES IN PLAN AND ACTUAL FIELD CONDITIONS.

4. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES. SPOTTING OF ALL

5. NOTIFY AND MEET WITH SSP DESIGN PRIOR TO ANY CONSTRUCTION FOR VERIFICATION/INTERPRETATION OF PLANS.

ENGINEER. DO NOT BEGIN LANDSCAPE CONSTRUCTION UNTIL ALL BOUNDARIES, EASEMENTS AND RIGHTS-OF-WAY HAVE BEEN YERIFIED IN THE FIELD.

7. LANDSCAPE CONTRACTOR SHALL STAKE OUT ALL BEDS, TREES, PALM LOCATIONS PRIOR TO INSTALLATION FOR APPROVAL by SSP Design.

8. LANDSCAPE CONTRACTOR TO COORDINATE WITH SSP DESIGN TO ENSURE PROPER PLACEMENT OF PLANT MATERIAL AND IRRIGATION EQUIPMENT.

9. LANDSCAPE CONTRACTOR TO INSTALL EDGING AS SHOWN ON PLANS/DETAILS.

BACKFLOW DEVICE, CONTROLLER, MAINLINE, SLEEVES, LATERALS, AND POP-UP HEADS, TO COVER ALL LANDSCAPE AREAS PER PLANS/DETAILS, IRRIGATION SYSTEM SHALL BE INSTALLED BY A TEXAS LICENSED IRRIGATOR ONLY.

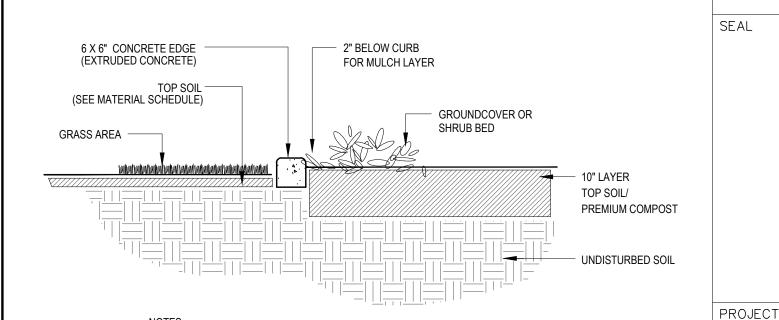
REPLACEMENT

14. LANDSCAPE CONTRACTOR SHALL CONSTRUCT 6"X36" WATERING BASINS AROUND ALL TREES/PALMS WITH A MIN. 2" LAYER OF

15. Landscape contractor shall loosen / Grade all Bed Areas Prior to Planting to Ensure

16. LANDSCAPE CONTRACTOR SHALL REMOVE ALL EXISTING GRASS AND WEEDS BY HERBICIDING, DISKING, FLOATING AND LIGHT

17. LANDSCAPE CONTRACTOR SHALL ESTABLISH AND MAINTAIN ALL PLANT MATERIAL FOR 90 DAYS AFTER 'SUBSTANTIAL COMPLETION'



1. CONCRETE CURBING TO HAVE 1 1/2" DEEP CONTRACTION JOINTS @ 5'-0" SPACING.

2. CONCRTE CURBING TO HAVE TAPERED DRAINAGE POINTS AT 10' O.C. 3. 2500-3000 PSI COMPRESSIVE STRENGTH, 490 PSI FLEXURAL STRENGTH. 4. USE HALF-INCH POLYPROPYLENE FIBER REINFORCEMENT. 5. EQUAL TO 'CONTOUR CURBS' EDGING (956-867-8350). CONTOURCURBS.NET

SEE CIVIL PLANS

DRIVEWAY REPAIR

REPAIR AND REPLACE ANY

WHITECAP DUNE WALKOVER SITE

DISTURBED BY UTILITY

EXISTING IRRIGATION OR SOD

existing wall/fence

FOR PROPOSED

IMPROVEMENTS

UTILITITES AND

NOTE:

NOTES:



WALKOVER

AT WHITECAP CIRCLE

GREEN, RUBIANO & ASSOCIATES

CONSULTING STRUCTURAL ENGINEERS

1220 WEST HARRISON

HARLINGEN, TEXAS 78550

FIRM REGISTRATION #F-4145

PH: (956)428-4461 FAX: (956)428-0287

SOUTH PADRE ISLAND, **TEXAS**

CLIENT CITY OF SOUTH PADRE ISLAND

SOUTH PADRE ISLAND, **TEXAS**

P: 956-761-3044 F: 956-761-3898



MARK	DATE	DESCRIPTION

PROJECT NO.	1065–16
DATE	12-10-2021
DRAWN BY	PLM
CHECKED BY	SSP
SCALE	AS SHOWN

SHEET TITLE

SITE PLANNING

LANDSCAPE DESIGN

789 E. WASHINGTON ST.

BROWNSVILLE, TX 78575 TEL (956) 547-9788

FAX (956) 547-9977 www.sspdesign.com

PRELIMINARY

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LANDSCAPE SCHEDULES AND

DETAILS

SHEET NO.

LANDSCAPE CONSTRUCTION NOTES

AND GUARANTEE.

2. LANDSCAPE CONTRACTOR SHALL FIELD VERIFY ALL QUANTITIES AND DIMENSIONS PRIOR TO BIDDING. QUANTITIES SHOWN IN

utilities is required.

6. LANDSCAPE CONTRACTOR SHALL YERIFY ALL PROPERTY BOUNDARIES AND LIMITS OF WORK WITH GENERAL CONTRACTOR/CIVIL

10. NOTIFY SSP DESIGN PRIOR TO PLANTING OPERATIONS FOR APPROVAL OF ALL PLANT MATERIAL ON SITE. ANY PLANT MATERIAL NOT APPROVED BY 66P DESIGN WILL BE SUBJECT TO REJECTION.

II. IRRIGATION CONTRACTOR SHALL SUPPLY AND INSTALL COMPLETE AUTOMATIC IRRIGATION SYSTEM INCLUDING WATER METER,

12. LANDSCAPE CONTRACTOR SHALL REMOVE ALL EXISTING GRASS/WEEDS BY HERBICIDING PRIOR TO BED PREP AND SOIL

13. LANDSCAPE CONTRACTOR SHALL REMOVE 12" OF EXSTIG SOIL WITHIN ALL BED AREAS AND REPLACE WITH IMPORTED TOP SOIL/PREMIUM COMPOST MIX.

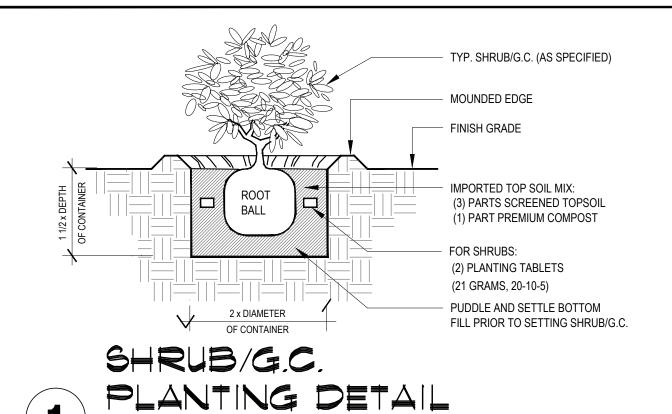
PROPER DRAINAGE AND UNIFORM SURFACE.

GRADING OF ENTIRE PROJECT AREA PRIOR TO PLANTING.

AND SHALL GUARANTEE ALL TREES/PALMS FOR A PERIOD OF ONE YEAR.

18. IRRIGATION CONTRACTOR SHALL GUARANTEE ALL SYSTEM COMPONENTS FOR A PERIOD OF ONE YEAR.

19. SEE SPECIFICATIONS FOR FURTHER INSTRUCTIONS/REQUIREMENTS.



4" COMPACTED DECOMPOSED GRANITE 'FINES' 1/4" MINUS PER PLANS/DETAILS

6 x 6" EXTRUDED COLORED 'TEXAS BUFF' CONCRETE EDGING PER PLANS/DETAILS

PLANT SCHEDULE (SITE)

COMMON NAME

NAUPAKA

WEDELIA

COMMON NAME

BITTER PANICUM

RAILROAD VINE

THIS PROJECT INCLUDES 16,821 S.F. OF DUNE RESTORATION PLANTING (SEE AREAS OF IMPACT SHEET L2.01) UTILIZING NATIVE DUNE SPECIES THAT MUST BE PRE ORDERED AND CONTRACT GROWN. DUNE RESTORATION

REPAIRS (DISTURBED | REPAIR/REPLACE EXISTING IRRIGATION/SOD DISTURBED BY PROPOSED UTILITIES AS

MULCH (HARDWOOD) | 2" MIN. FOR ALL PLANTING BEDS AND WATERING BASINS (TEXAS NATIVES HARDWOOD)

IRRIGATION SYSTEM COMPLETE AUTOMATIC IRRIGATION SYSTEM BY LICENSED CONTR. PER PLAN/SPECS

PREMIUM COMPOST | 2" LAYER PREMIUM COMPOST (EARTHWISE ORGANICS MIX) (NOT FOR DUNE AREA)

PLANTING REQUIRES DUNE RESTORATION SPECIALIST TO MEET STATE GUIDELINES AND APPROVALS.

SUBMIT NAME/NUMBER OF DUNE SPECIALIST SUB CONTRACTOR TO SSP FOR APPROVAL

CONTACT: STEVE MERCER - COASTAL TRANSPLANTS (910) 431-9814 OR APPROVED EQUAL

Sea oats

FLORIDA SABAL PALM

TEXAS SABAL PALM

GREEN ISLAND FIGUS

| CERTIFIED 'FLORATAM' ST. AUGUSTINE SOD

REMOVAL AND RELOCATION OF EXISTING SIGNAGE, BENCH AND TRASH RECEPTACLE AS

TYPE

2"

2"

TYPE SIZE

B/B

B/B

3 GAL

3 GAL

4" POTS

SIZE

TRAYS/CUTTINGS

TRAYS/CUTTINGS

TRAYS/CUTTINGS

10-12' TRUNK

10-12' TRUNK

18"HT-BUSHY

12"HT-BUSHY

SPACING QTY

A.S.

A.S.

A.S.

12" O.C.

SPACING

iper s.f.

1 PER S.F.

1 PER S.F.

24" O.C. 60

110 S.Y.

QTY

11,775

3,921

1,125

QUANTITY

16 C.Y.

60 C.Y.

220 BAGS (2 C.F.)

2,416 S.F.

2,416 S.F.

2,416 S.F.

140 S.F.

70 L.F.

590

CODE BOTANICAL NAME

FLOR SABAL PALMETTO

PALMS

SABL SABAL TEXANA

SHRUBS

NAUP SCAEYOLA FRUTESCENS

GROUND COVERING

SOD STENOTAPHRUM SECUNDATUM

PLANT SCHEDULE (DUNE RESTORATION)

GREE FICUS MICROCARPA

WEDL | WEDELIA TRILOBATA

CODE BOTANICAL NAME

BITT PANICUM AMARUM

OATS UNIOLA PANICULATA

RAIL IPOMOEA PES-CAPRAE

MATERIAL SCHEDULE

PER PLANS

AREAS BY UTILITIES) | SHOWN IN DETAIL 5 (SHEET L3.01)

GUYING / STAKING ALL TREES/PALMS PER DETAILS

SCREENED TOP SOIL | 8" FOR ALL PLANTING BEDS (NOT FOR DUNE AREA)

PER DETAILS / AS SPECIFIED

NOTE: CONTRACTORS MUST REVIEW TECHNICAL SPECIFICATIONS FOR

ADDITIONAL PRODUCT INFORMATION AND PROJECT REQUIREMENTS,

NOT TO SCALE

ALL PLANTING BED AREAS AS SPECIFIED

ALL PLANTING BED AREAS AS SPECIFIED

ALL PLANT MATERIAL PER DETAILS

DESCRIPTION

RELOCATION

HERBICIDE

FERTILIZER

DECØ

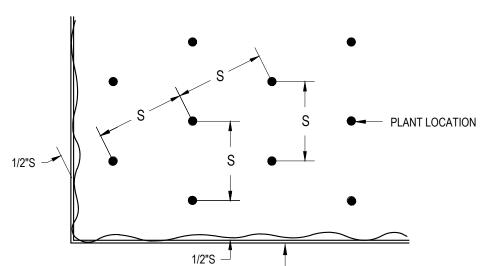
PLANTING TABLETS

PRE-EMERGENT

CONGRETE EDGE

REMOVAL AND

DUNE PLANTS

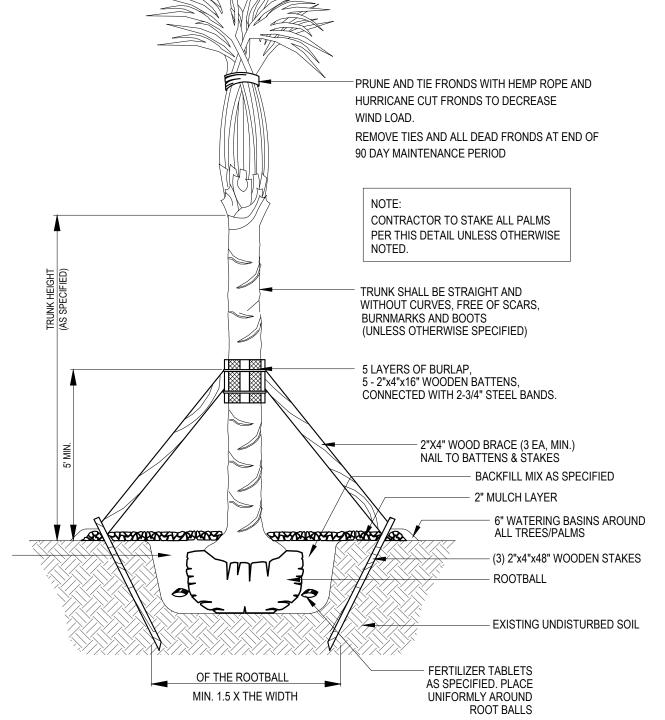


NOTES: 1. S = SPACING, (REFER PLANT LIST FOR AMOUNT OF SPACING.) 2. USE SPACING LAYOUT FOR SHRUBS, GROUNCOVERS AND ANNUALS.

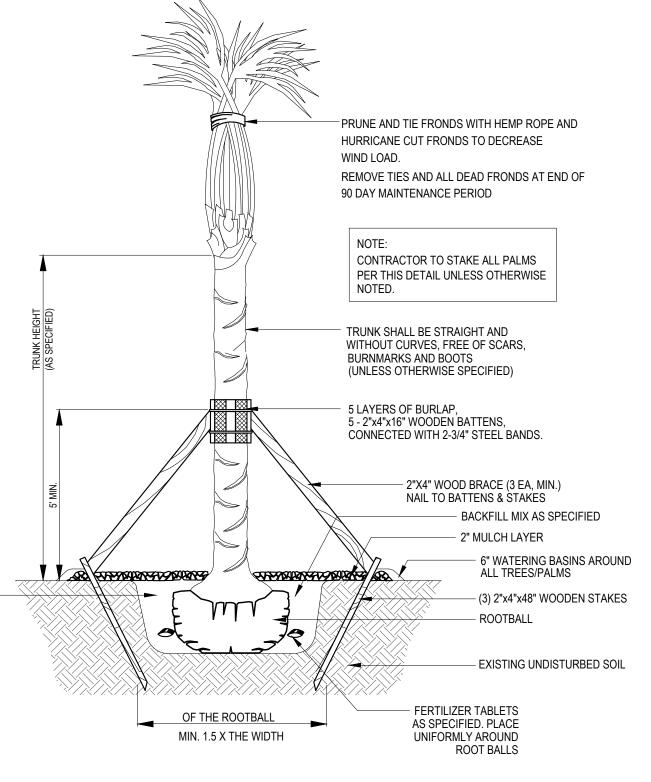
TRIANGULAR PLANT SPACING DIAGRAM

HURRICANE CUT FRONDS TO DECREASE WIND LOAD. REMOVE TIES AND ALL DEAD FRONDS AT END OF 90 DAY MAINTENANCE PERIOD NOTE: CONTRACTOR TO STAKE ALL PALMS PER THIS DETAIL UNLESS OTHERWISE NOTED. TRUNK SHALL BE STRAIGHT AND WITHOUT CURVES, FREE OF SCARS, BURNMARKS AND BOOTS (UNLESS OTHERWISE SPECIFIED) 5 LAYERS OF BURLAP, 5 - 2"x4"x16" WOODEN BATTENS. CONNECTED WITH 2-3/4" STEEL BANDS. 2"X4" WOOD BRACE (3 EA, MIN.) NAIL TO BATTENS & STAKES BACKFILL MIX AS SPECIFIED 2" MULCH LAYER 6" WATERING BASINS AROUND ALL TREES/PALMS (3) 2"x4"x48" WOODEN STAKES ROOTBALL EXISTING UNDISTURBED SOIL FERTILIZER TABLETS AS SPECIFIED. PLACE MIN. 1.5 X THE WIDTH UNIFORMLY AROUND

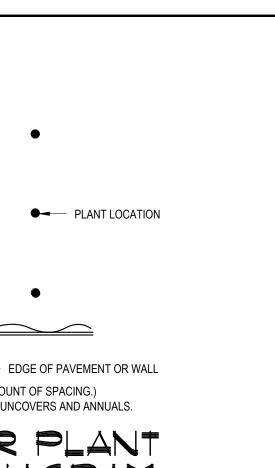
PALM PLANTING DETAIL



NOT TO SCALE



LANDSCAPE PLAN W-



GREEN, RUBIANO & ASSOCIATES

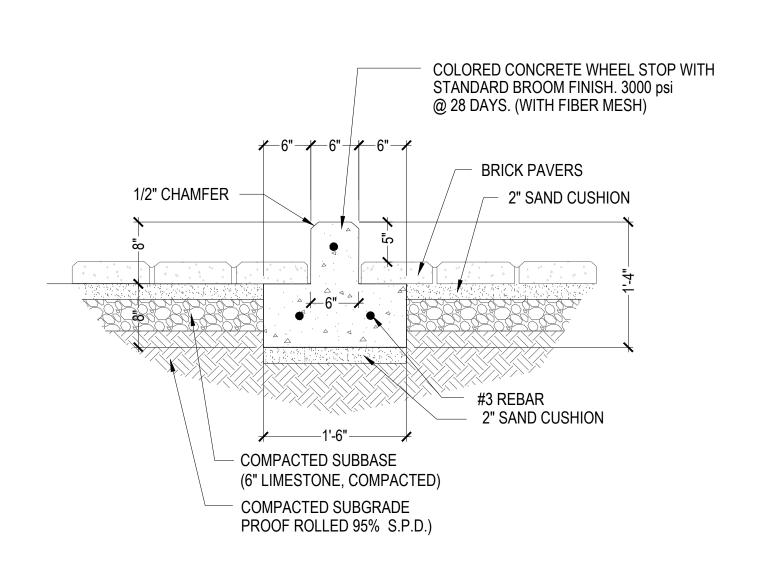
CONSULTING STRUCTURAL ENGINEERS

1220 WEST HARRISON

HARLINGEN, TEXAS 78550

PH: (956)428-4461 FAX: (956)428-0287

FIRM REGISTRATION #F-4145



CONCRETE WHEEL STOP - SECTION 'SIDE'

COLORED CONCRETE PAD WITH STANDARD BROOM FINISH. 3000 psi
@ 28 DAYS. (WITH FIBER MESH)

2" SAND CUSHION

COMPACTED SUBBASE
(6" LIMESTONE, COMPACTED)

#3 REBAR (18" O.C. B.W.)

COMPACTED SUBGRADE
PROOF ROLLED 95% S.P.D.)

ACCESSIBLE ACCESS AISLE -CONCRETE PAD DETAIL

SCALE: 1" = 1"= 2"

48" HT. ACCESSIBLE PARKING SYMBOL STENCIL (COLOR WHITE)

1/2" CHAMFER

5'-6"

4'-6"

COMPACTED SUBBASE
(6" LIMESTONE, COMPACTED)

COMPACTED SUBGRADE
PROOF ROLLED 95% S.P.D.)

2" SAND CUSHION

2" SAND CUSHION

ACCESSIBLE PARKING SYMBOL -CONCRETE PAD DETAIL

12" HT. 'NO PARKING' STENCIL (COLOR WHITE)

PROJECT

SEAL

WALKOVER AT WHITECAP CIRCLE

SOUTH PADRE ISLAND, TEXAS

CLIENT

- 4" X 8" BRICK PAVER

45 ° HERRINGBONE

BRICK D

CITY OF SOUTH PADRE ISLAND

SOUTH PADRE ISLAND, TEXAS P: 956-761-3044

F: 956-761-3898

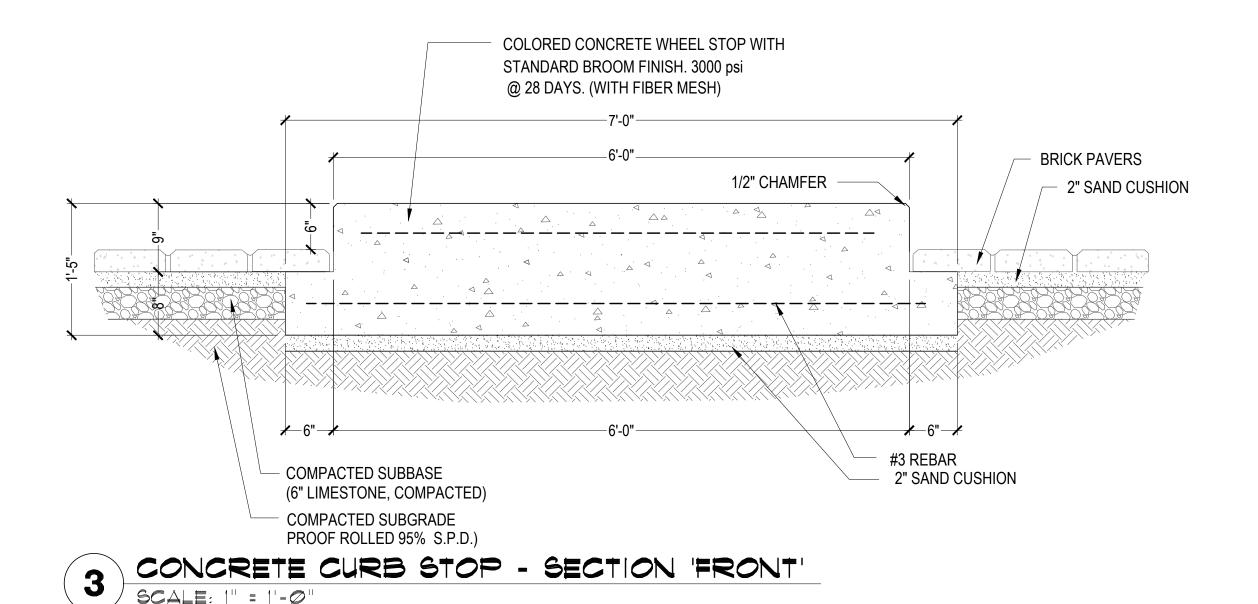
MARK	DATE	DESCRIPTION

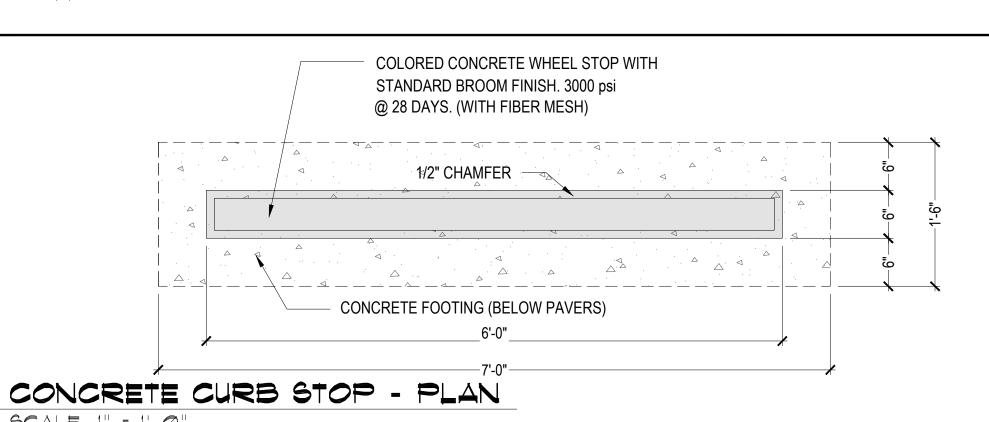
PROJECT NO.	1065–16
DATE	12-10-202
DRAWN BY	PLM
CHECKED BY	SSP
SCALE	AS SHOWN

HARDSCAPE
SCHEDULES AND
DETAILS

SHEET NO.

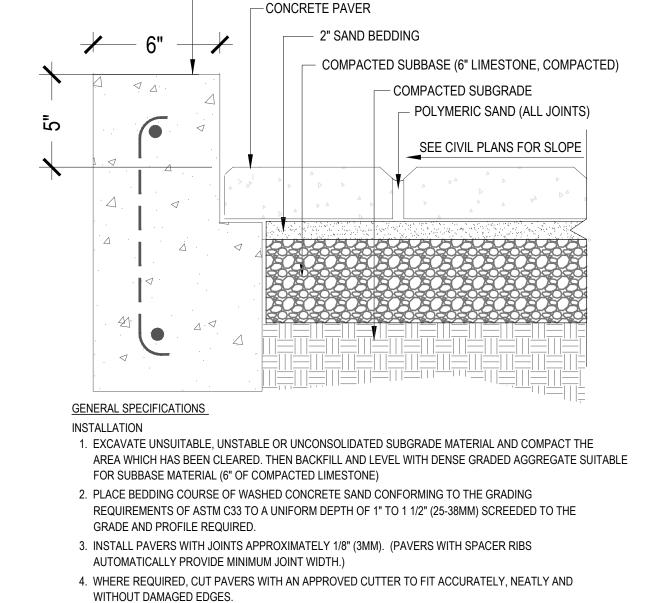
L3.02





PAYING MATERIAL SCHEDULE

DESCRIPTION	NOTES	QUANTITY
BRICK PAVERS	4x8" 80 MM PAVESTONE 'HOLLANDSTONE' BRICK PAVERS (LIGHT BROWN/PEWTER MIX)	7200 S.F.
BRICK PAVER BAND	BRICK PAVER BAND 4x8" 80 MM PAVESTONE 'HOLLANDSTONE' BRICK PAVERS BAND (LIGHT BROWN)	
CONCRETE WHEEL STOPS	8" x 6' COLORED CONCRETE WHEEL STOPS (BUTTERFIELD 'GREY' # SGØ7 - (1 BAG PER 2 YARDS) AS PER PLANS/DETAILS	20
CONCRETE PADS	COLORED CONCRETE PADS (BUTTERFIELD 'GREY' # SGØT (1 BAG PER 2 YARDS) FOR ACCESSIBLE Symbol and no parking space) see plans and details for dimensions, each with painted 'Stencil' (Color white) as per plans/details	50 6.7.



6

- CONCRETE CURB FOR SIDEWALK OR CURB

(SEE CIVIL PLANS)

5. TAMP PAVERS WITH A PLATE COMPACTOR, UNFORMILY LEVEL, TRUE TO GRADE AND FREE OF

MOVEMENT.

6. FILL JOINTS WITH POLYMERIC SAND BINDER (SANDLOCK OR APPROVED EQUAL.)

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

2. DO NOT SCALE DRAWINGS.

3. CONFIRM COLOR AND SIZE WITH OWNER PRIOR TO INSTALLATION

4. CONTRACTOR TO PROVIDE 6'x6' MOCKUP OF PAVING TO INCLUDE FIELD PATTERN, BORDER PATTERN AND COLORS

7 PAVING INSTALLATION DETAIL NOT TO SCALE

PAYING NOTES

1.CONTRACTOR SHALL REVIEW AND COORDINATE WITH EXISTING CONDITIONS. LOCATE AND PROTECT ALL UNDERGROUND UTILITIES, DRAINS, ELECTRICAL, ETC.

2.CONTRACTOR TO FOLLOW CIVIL ENGINEER'S GRADING/DRAINAGE PLANS. ENSURE PROPER DRAINAGE AWAY FROM ALL BUILDINGS TO DRAIN INLETS PER GRADING/DRAINAGE PLANS.

3.CONTRACTOR SHALL STAKE OUT ALL PAVING AREAS FOR SSP APPROVAL PRIOR TO STARTING ANY PAVING

4. CONTRACTOR SHALL STRIP/REMOVE EXISTING UNSUITABLE SOIL/SOD/GRASS IN AL PAVER AREAS.
 5.CONTRACTOR SHALL SUPPLY/INSTALL SELECT FILL, SUB-BASE, MOISTURE CONDITION, AND COMPACT SUB GRADE TO 95% PROCTOR DENSITY.

6.CONTRACTOR SHALL SUPPLY/APPLY PRE-EMERGENT HERBICIDE TO SUB-BASE OF ALL PAVER AREAS. USE 'RONSTAR' PRE-EMERGENT HERBICIDE OR APPROVED EQUAL.

7.CONTRACTOR SHALL SUPPLY/INSTALL PAVERS AS INDICATED IN SCHEDULE

8.CONTRACTOR SHALL CUT/MITRE ALL RADII AND CORNERS USING MASONRY SAW AS DETAILED.
9.CONTRACTOR SHALL FILL/SWEEP AL JOINTS WITH MIXTURE OF JOINT SAND AND 'SANDLOCK' JOINT

STABILIZER. MI. 3-4 LBS. OF 'SANDLOCK' PER 100 LBS OF JOINT SAND. SWEEP ADDITIONAL 'SANDLOCK' ONTO FINAL SURFACE AND INTO AL JOINTS THEN SATURATE WITH WATER TO ACTIVATE STABILIZER.

10. CONTRACTOR SHALL NOTIFY SSP BEFORE INSTALLATION FOR INSPECTIONS/APPROVALS OF AL WORK.

NOT TO SCALE

1. DIMENSIONS SHOWN ARE FOR A 90° CORNER. ADJUST

2. ALL MITER CUTS TO BE EVEN AND CONSISTENT.

DIMENSIONS ACCORDINGLY FOR OTHER ANGLED CORNERS.

BRICK B

BRICK C

11.CONTRACTOR SHALL WARRANTY ALL MATERIALS AND LABOR FOR A PERIOD OF TWO YEARS. WARRANTY INCLUDED RE-SANDING IF REQUIRED, HERBICIDE TREATMENT AND REPAIR OF ALL SUBGRADE FAILURES IF REQUIRED.

SITE PLANNING LANDSCAPE DESIGN

789 E. WASHINGTON ST. BROWNSVILLE, TX 78575 TEL (956) 547-9788 FAX (956) 547-9977 www.sspdesign.com

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		_				
						F)S
					HDR Project No.	10310755
					Estimated By:	DRB1
OPINION OF PROBABLE PROJECT COST					Checked By:	DEG
					QA/QC By:	PJB
SPI Tompkins Channel - Maintenance Dre	dging (30)% Des	ign)		Date:	February 16, 2022
lham Dassimhian	Quai	ntity	Unit Cost	Minor Work Item	Major Work Item	Extended
Item Description	QTY	Unit	Unit Cost	Subtotals	Subtotals	Total
Item No. 1 - Mobilization/Demobilization						\$50,000
Mobilization	1	LS	\$25,000	\$25,000	\$25,000	
Demobilization	1	LS	\$25,000	\$25,000	\$25,000	
Item No. 2 - Dredge Material Placement Area						\$503,000
DMPA Preparation					\$28,000	
Preparation of Dredge Disposal Area	1	LS	\$19,283	\$19,283		
Final Preparation before Departure of Jobsite	1	LS	\$8,035	\$8,035		
DMPA Fill					\$475,000	
Management of Dredge Disposal Area	1	LS	\$201,177	\$201,177	3473,000	
Disposal of Material Offsite	1	LS	\$273,600			
Disposal of Iviaterial Offsite	1		\$273,000	7273,000		
Item No. 3 - Dredging						\$687,000
Soil Sampling					\$55,000	
Implementation of SAP (Sampling, Testing, Reporting)	1	LS	\$55,000	\$55,000		
Dredging					\$632,000	
Dredging - Maintenance Material	19,000	CY	\$33	\$631,870		
SUBTOTAL (Work Items - Dredging Not Included)						\$553,000
SUBTOTAL (Work Items - Dredging)						\$687,000
Project Contingency	25%					\$310,000
SUBTOTAL (Work Items Plus Contingency)						\$1,550,000

Other Project Related Costs \$						\$160,000
Surveys (1 Topograhic, 1 pre-dredge)	1	LS	\$20,000	\$20,000	\$20,000	
Geotechnical Investigation					\$0	
Engineering (30%-100% Design)		10%			\$86,300	
Engineering (Bid Phase)		1%			\$6,870	
Permitting		0%			\$0	
Construction Administration		3%			\$46,500	
Materials Testing		0%			\$0	
ROJECT GRAND TOTAL \$1,710,000						

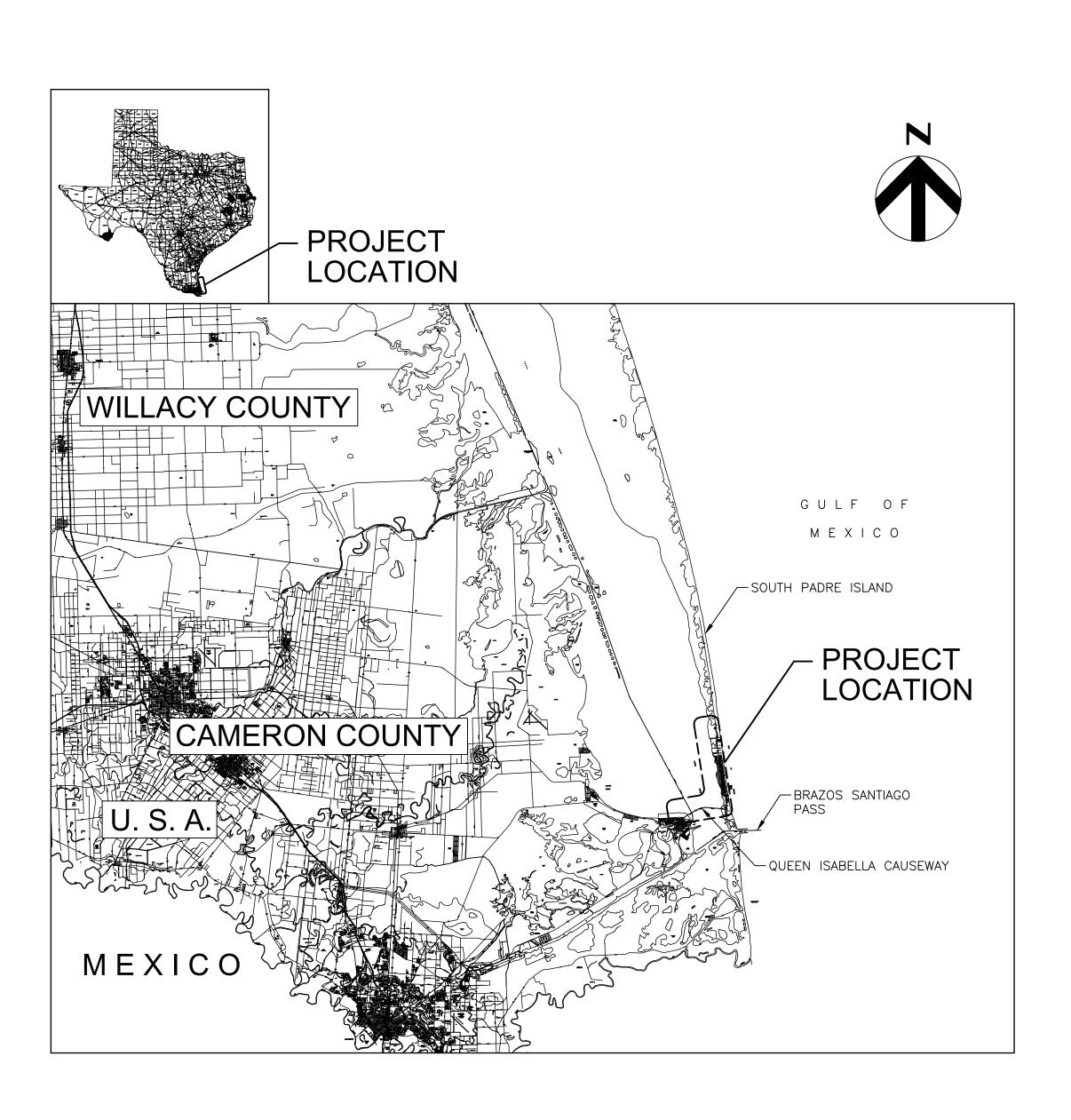
OPPC Estimate Range		
LOW END (for CLASS 3 Cost Estimate)	\$1,400,000	-20%
HIGH END (for CLASS 3 Cost Estimate)	\$2,300,000	30%

Notes:

- 1. Opinion of probable project cost (OPPC) is based on HDR's understanding of current labor and material costs (in 2022) and reasonable estimates of construction activity duration.
- 2. It is assumed that the soils are not contaminated. Material testing during the design phase will determine the suitability standard disposal of the soil.







Contract Drawings For

City of South Padre Island

Tompkins Channel Maintenance Dredging

Project No. 10310755

South Padre Island, Texas February 2022

30% DESIGN **PRELIMINARY**

DANIEL E. GARZA

104628 02/18/2022

INDEX OF DRAWINGS

ENLARGED LAYOUT (1 OF 13) **ENLARGED LAYOUT (3 OF 13)** ENLARGED LAYOUT (4 OF 13) ENLARGED LAYOUT (5 OF 13) 09 ENLARGED LAYOUT (6 OF 13 14 ENLARGED LAYOUT (11 OF 13) 15 ENLARGED LAYOUT (12 OF 13) 16 ENLARGED LAYOUT (13 OF 13) 17 CROSS SECTIONS (1 OF 11)

27 CROSS SECTIONS (11 OF 11) 28 PLACEMENT AREA PLAN AND DETAILS GENERAL REQUIREMENTS:

THIS PROJECT HAVE BEEN ACQUIRED.

- THE DETAILED REQUIREMENTS FOR ALL ITEMS DESCRIBED IN THE GENERAL NOTES
 ARE CONTAINED IN THE SPECIFICATIONS.
- 2. CONTRACTOR SHALL NOT COMMENCE ANY CONSTRUCTION OPERATION UNTIL THE CONTRACTOR HAS VERIFIED THAT CONSTRUCTION / ENVIRONMENTAL PERMITS FOR
- 3. CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL ELEVATIONS, COORDINATES, DIMENSIONS, EXISTING CONDITIONS, AND INFORMATION INDICATED ON THE CONTRACT DOCUMENTS PRIOR TO COMMENCEMENT OF SITE WORK. THE OWNER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES FOUND ON THE CONTRACT DOCUMENTS OR FOUND TO EXIST BETWEEN THE FIELD CONDITIONS AND THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL TAKE CORRECTIVE ACTION AS DIRECTED BY THE OWNER.
- 4. THE LOCATION AND DEPTH OF UTILITIES SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR BEFORE WORK COMMENCES. PRIOR TO BEGINNING ANY WORK IN THE AREA OF EXISTING UTILITIES, THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES OWNER FOR EXACT LOCATIONS AND DEPTHS TO PREVENT ANY DAMAGE OR INTERFERENCE WITH PRESENT FACILITIES.
- 5. THE CONTRACTOR TO NOTIFY THE TEXAS ONE CALL (811) AND ALL KNOWN UTILITY OWNERS WITHIN THE WORK AREA AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION OPERATIONS. THIS ACTION HOWEVER, SHALL IN NO WAY BE INTERPRETED AS RELIEVING THE CONTRACTOR OF THE RESPONSIBILITY UNDER THE TERMS OF THE CONTRACT AS SET OUT IN THE PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY HIS OPERATIONS AT HIS OWN EXPENSE AND TO THE SATISFACTION OF THE UTILITY COMPANY INVOLVED.
- 6. THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF THE US ARMY CORPS OF ENGINEERS (USACE) PERMIT OBTAINED BY THE OWNER FOR THIS PROJECT. REFER TO US ARMY CORPS OF ENGINEERS PERMIT NO. XXX-XXXX-XXXXX.
- 7. ALL EXISTING ROADWAYS AND OTHER FEATURES WHICH ARE DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- 8. CONTRACTOR SHALL MAINTAIN ALL REGULATORY AND WARNING SIGNS DURING THE CONSTRUCTION PERIOD.
- 9. CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO NOT INTERFERE WITH, OR BE DETRIMENTAL TO VESSEL AND VEHICULAR TRAFFIC AND THE DAILY OPERATION OF THE OWNER DURING THE COURSE OF THE WORK.
- 10. ALL EXISTING FEATURES OF THE PROJECT SITE WHICH ARE DAMAGED BY THE CONTRACTOR DURING HIS OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- 11. THE CONTRACTOR SHALL PERFORM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH USACE-EM-385-1-1, NAVFAC P307, OSHA AND CONTRACT DOCUMENTS.
- 12. CONTACT OWNER FOR TRAINING INFORMATION AND PARKING REQUIREMENTS:
 FIRST NAME LAST NAME, TITLE, (XXX)-XXX XXXX (OFFICE) AND (XXX)-XXX XXXX (CELL)

HORIZONTAL AND VERTICAL CONTROL

- 1. HYDROGRAPHIC SURVEY WAS PERFORMED BY NAISMITH MARINE SERVICES (NOW A PART OF T. BAKER SMITH), ON 15-18 OF DECEMBER, 2020.
- 2. HORIZONTAL COORDINATES SHOWN ARE STATE PLANE GRID, NAD83, TEXAS SOUTH ZONE, IN U.S. FEET.
- 3. VERTICAL DATUM SHOWN ON THESE DRAWINGS IS MEAN LOWER LOW WATER (MLLW) IN U.S. FEET.
- 4. MONUMENTS USED FOR HORIZONTAL AND VERTICAL CONTROL ARE AS FOLLOWS:

"BRAZOS" N 16,554,943.90'

E 1,422,679.84'

OCCASION BE HIGHER OR LOWER THAN THIS RANGE.

EL. +5.0' MLLW (+4.1' NAVD 88)

5. DATUM CORRELATION TABLE AS DEFINED BY SOUTH PADRE ISLAND CG STATION, TX (ID # 8779748):

	MLLW	NAVD '88
MEAN HIGHER HIGH WATER (MHHW)	+1.37'	+0.44'
NORTH AMERICAN VERTICAL DATUM 1988 (NAVD'88)	+0.93'	+0.00'
MEAN LOWER LOW WATER (MLLW)	+0.00'	-0.93'
WATER SURFACE RANGE BETWEEN MLLW AND MHH STATISTICAL WATER SURFACE RANGE. THE WATER S		

6. GRAIN SIEVE ANALYSES WERE PERFORMED ON THE TEN SOIL SAMPLES OF MATERIAL WERE OBTAINED FROM THE CHANNEL IN LOCATIONS AS INDICATED ON THE DRAWINGS. THE LOCATIONS WERE SELECTED AT AREAS THAT INDICATED GREATER SHOALING IN A PREVIOUS SURVEY. REFER TO SPECIFICATION SECTION XX XX XX, APPENDIX X FOR THE DATA SHEETS.

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INTERIM REVIEW AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

ENGINEER: DANIEL E. GARZA

LICENSE NO.: 104628

DATE: 02/18/2022

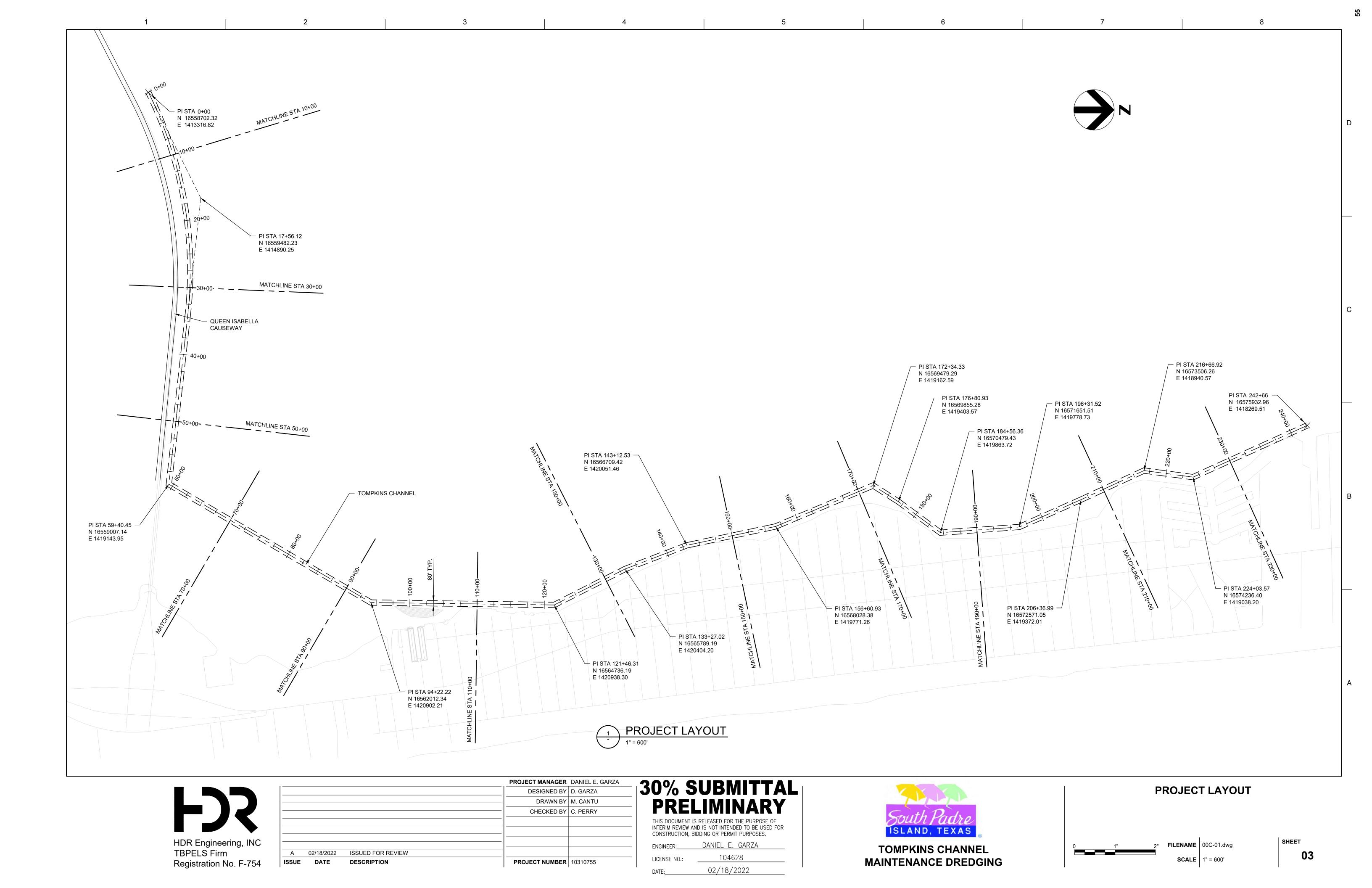


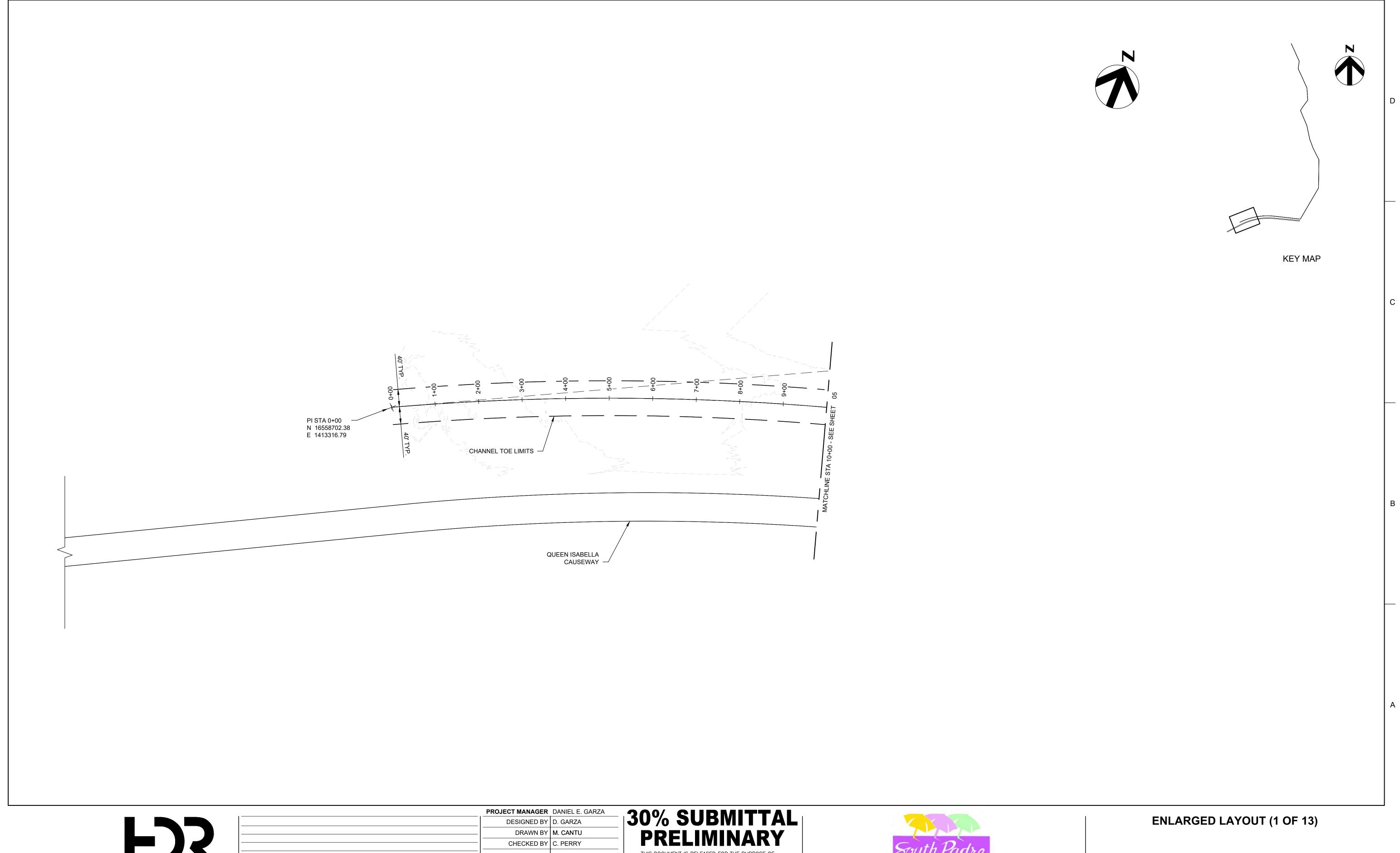
GENERAL NOTES

1" 2" FILENAME 00G-02.dwg

SCALE NO SCALE

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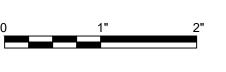


	FROJECT MANAGER	DANIEL E. GANZA
	DESIGNED BY	D. GARZA
	DRAWN BY	M. CANTU
	CHECKED BY	C. PERRY
A 02/18/2022 ISSUED FOR REVIEW		
ISSUE DATE DESCRIPTION	PROJECT NUMBER	10310755
		•

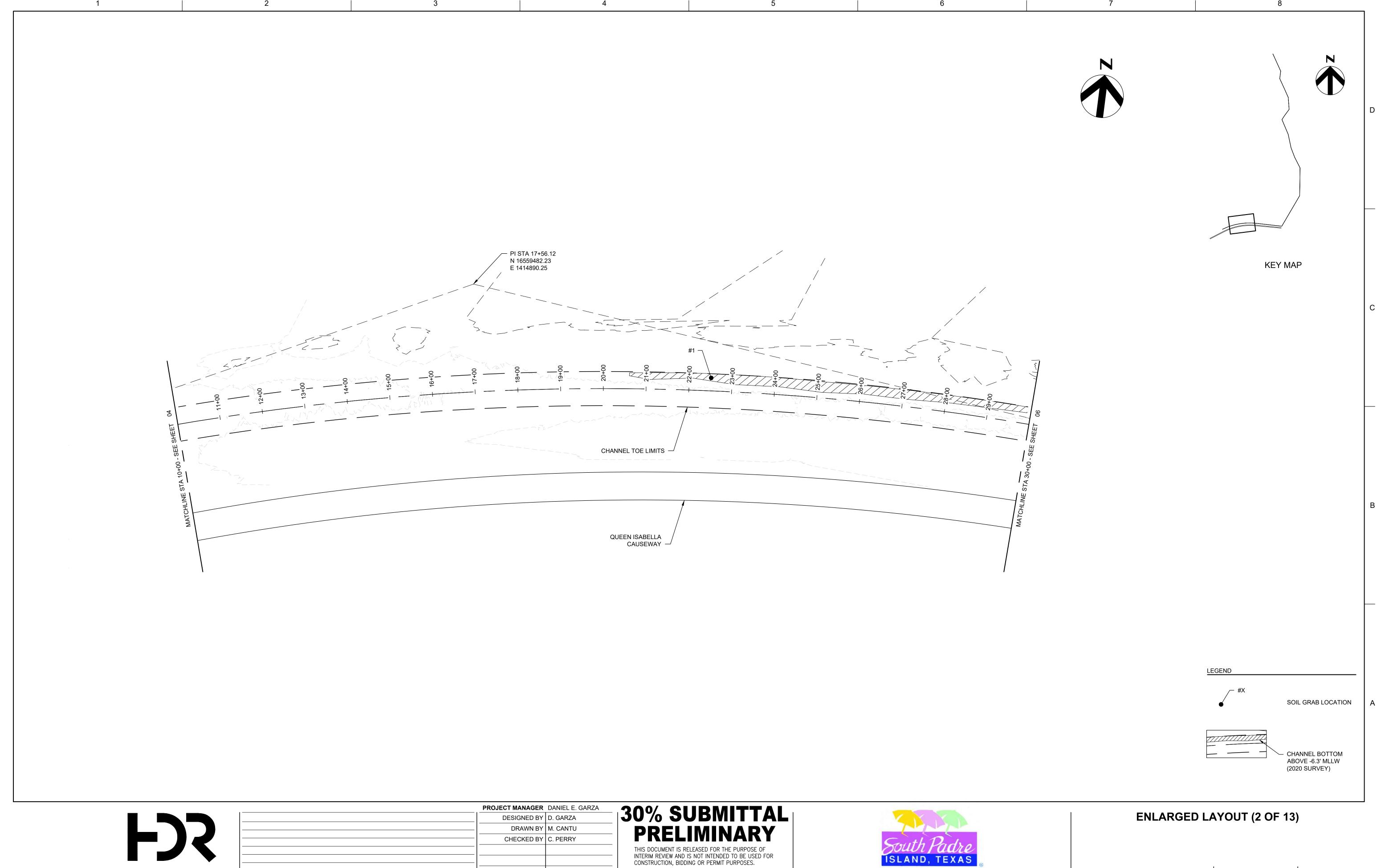
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104628 LICENSE NO .: 02/18/2022





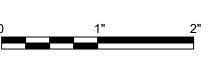
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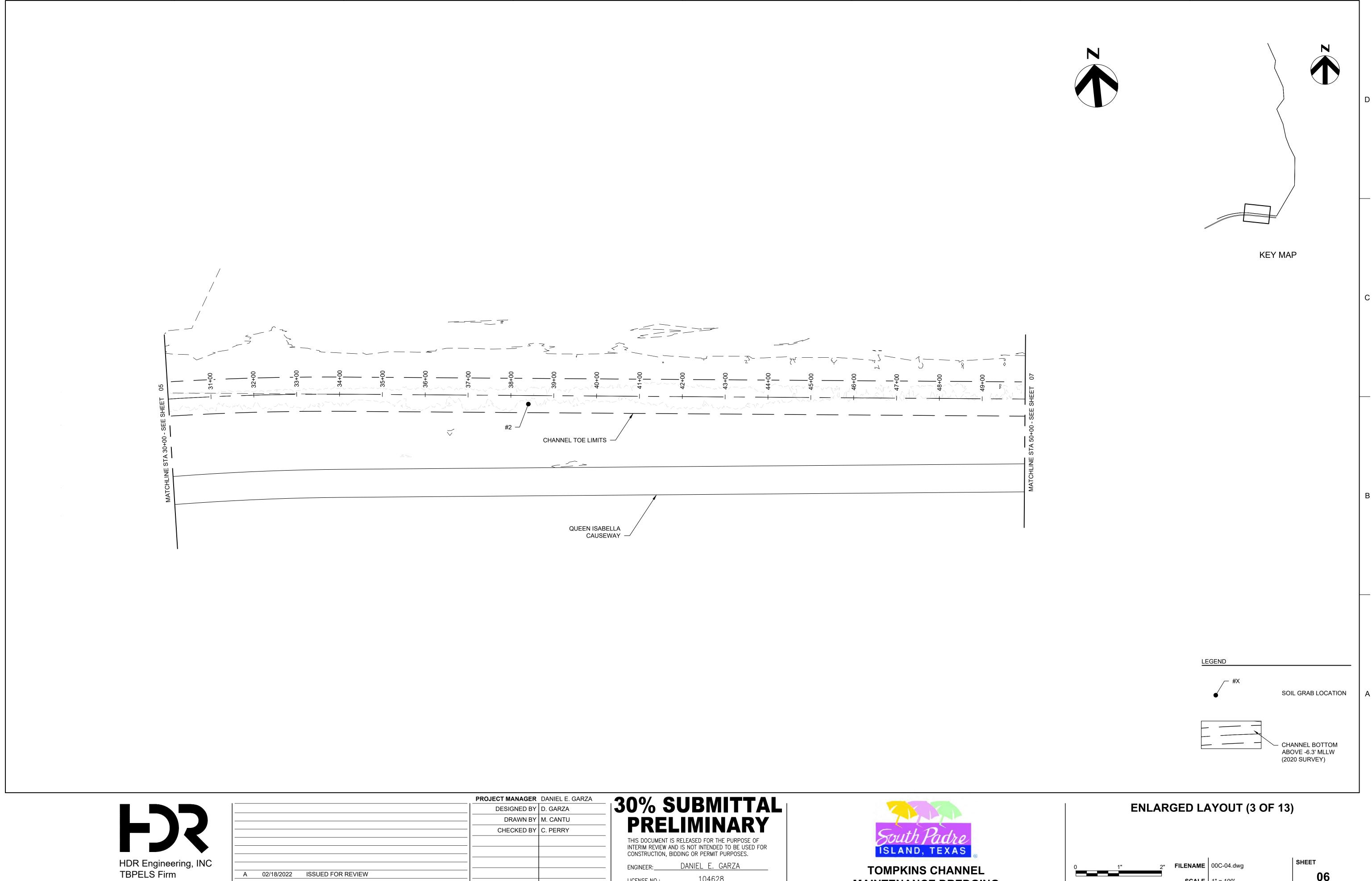
			DESIGNED BY	D. GARZA
			DRAWN BY	M. CANTU
			CHECKED BY	C. PERRY
Α	02/18/2022	ISSUED FOR REVIEW		
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	10310755
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DANIEL E. GARZA 104628 LICENSE NO.: 02/18/2022





FILENAME 00C-03.dwg **SCALE** 1" = 100'



104628

02/18/2022

MAINTENANCE DREDGING

LICENSE NO.:

PROJECT NUMBER 10310755

ISSUED FOR REVIEW

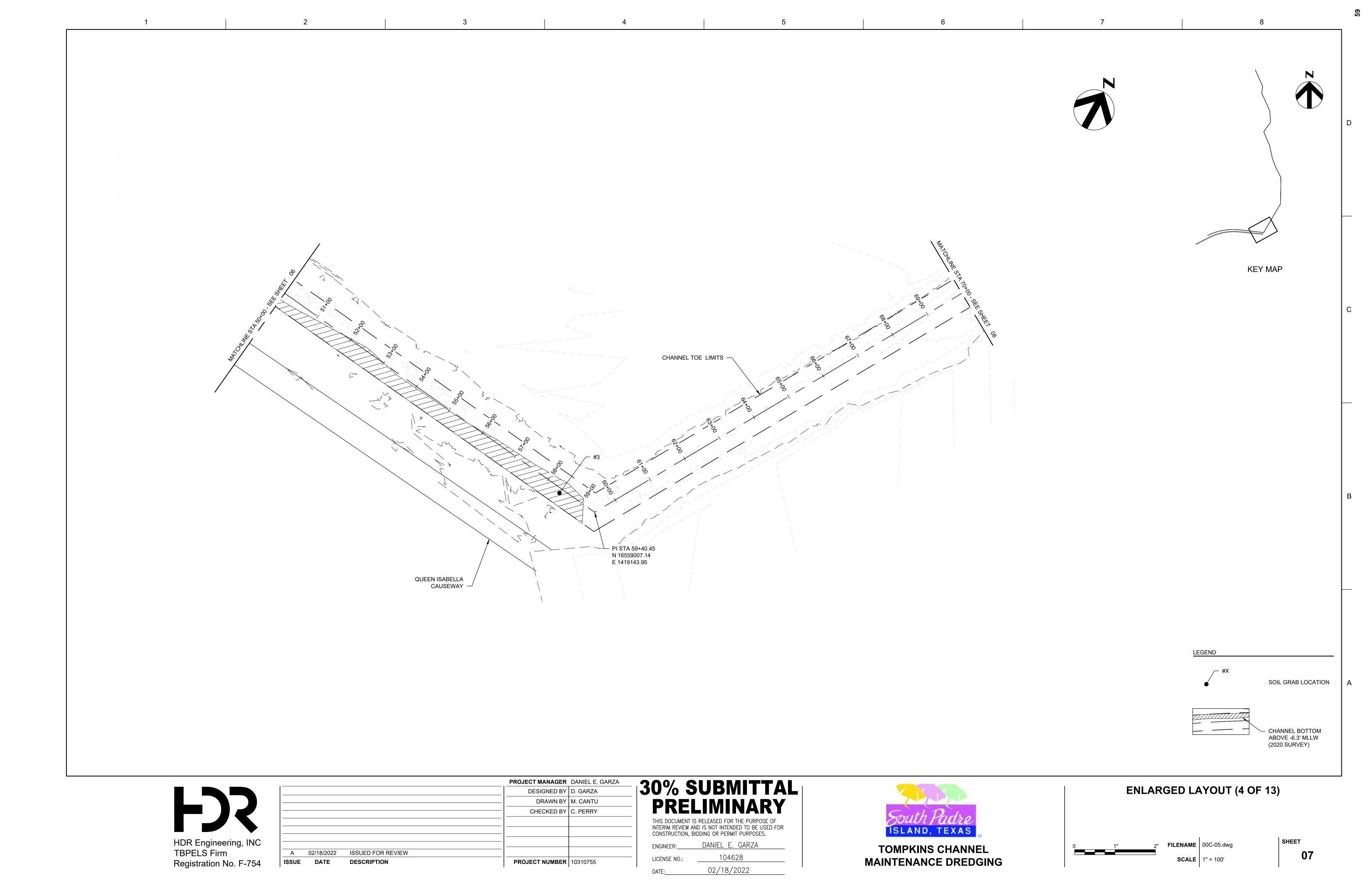
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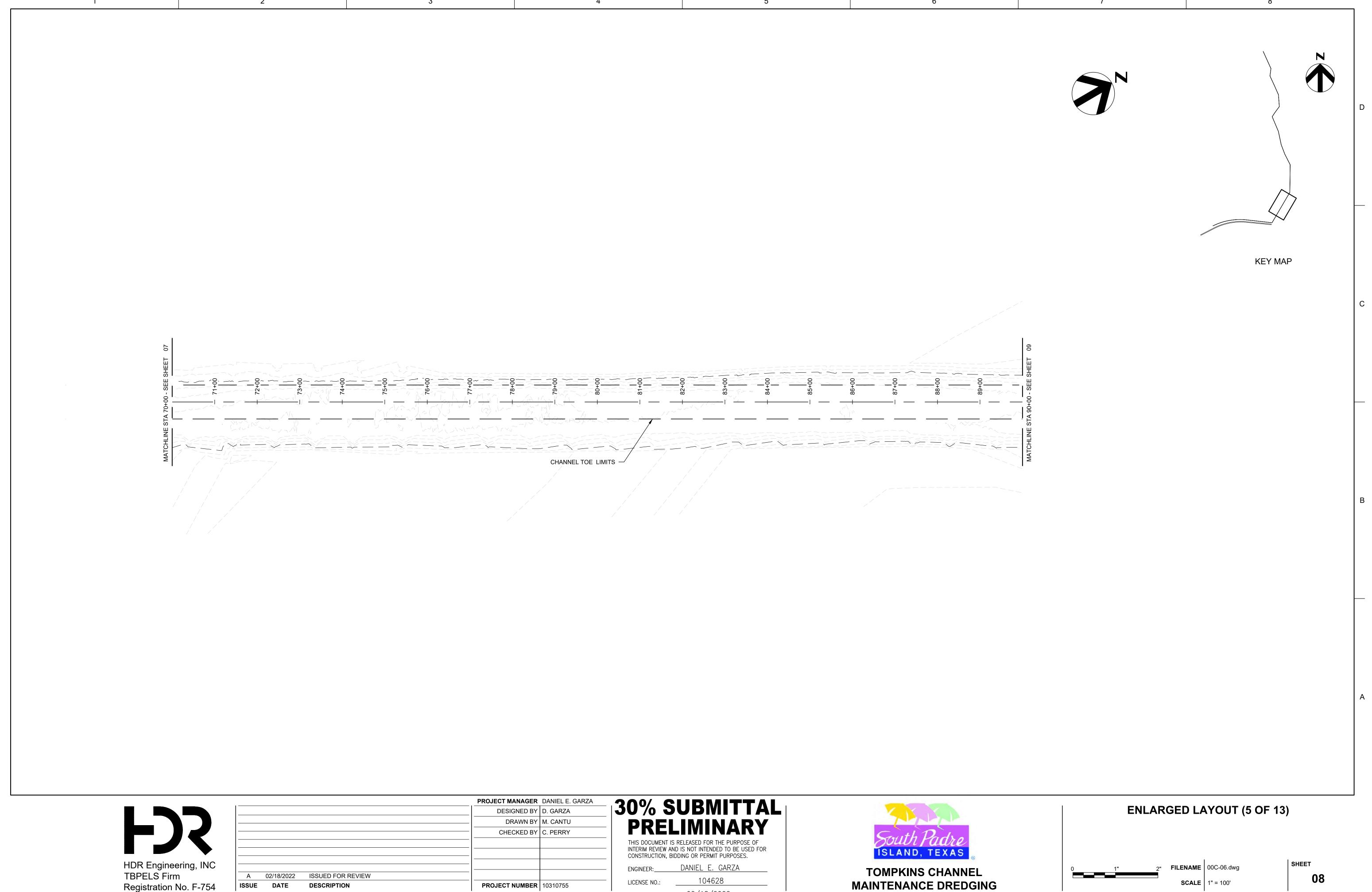
A 02/18/2022

Registration No. F-754

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SCALE 1" = 100'





02/18/2022

PROJECT NUMBER 10310755

Registration No. F-754

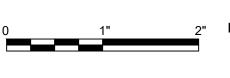


			DESIGNED BY	D. GARZA
			DRAWN BY	M. CANTU
			CHECKED BY	C. PERRY
Α	02/18/2022	ISSUED FOR REVIEW		
SUE	DATE	DESCRIPTION	PROJECT NUMBER	10310755
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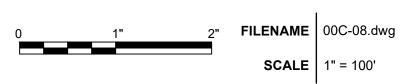


			 I ROOLOT MANAGER	DANIEL E. OAKEA
			DESIGNED BY	D. GARZA
			 DRAWN BY	M. CANTU
			 CHECKED BY	C. PERRY
Α	02/18/2022	ISSUED FOR REVIEW		
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	10310755
				•

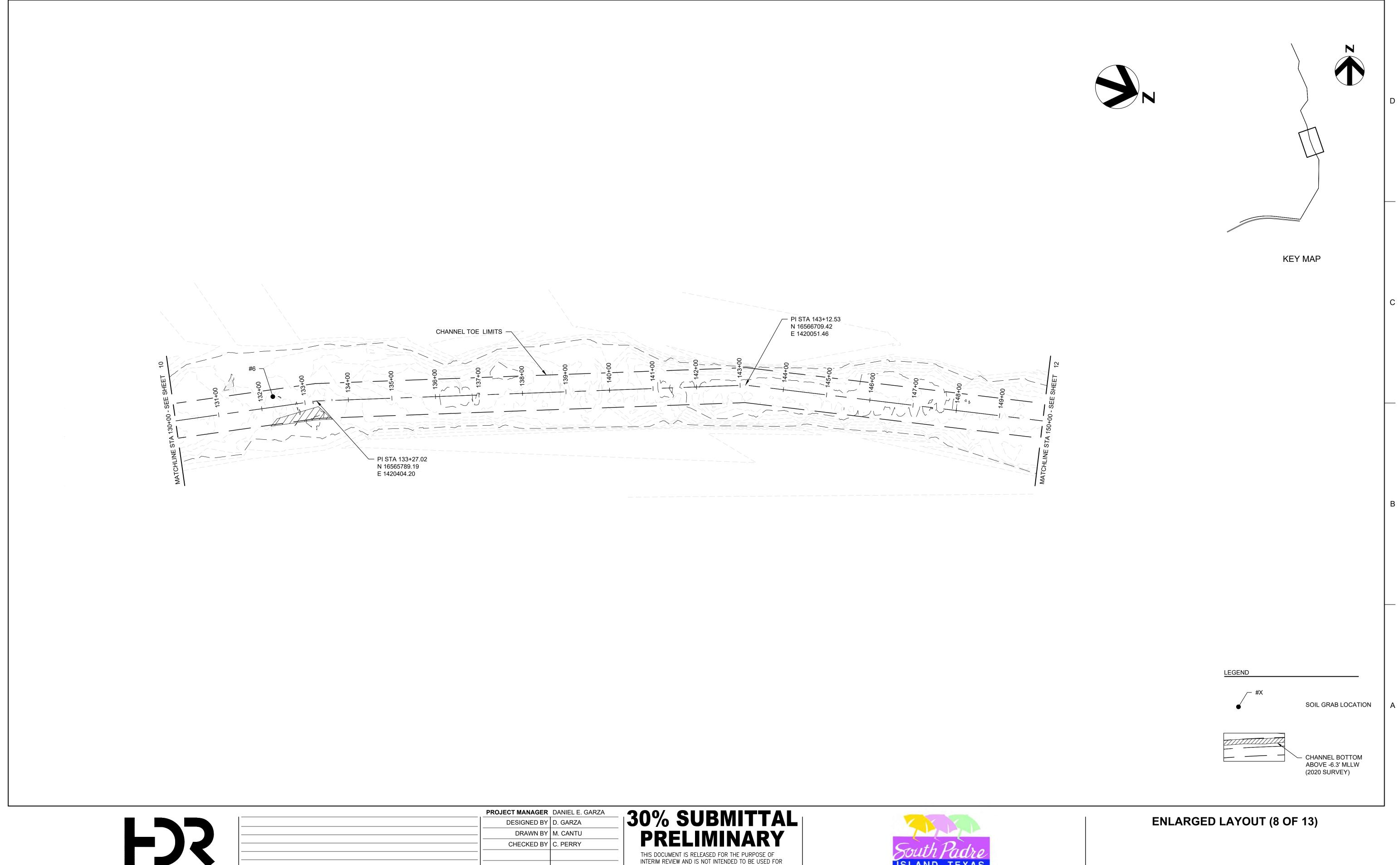
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DANIEL E. GARZA 104628 LICENSE NO .: 02/18/2022





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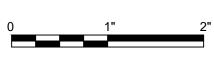


			I KOOLOI MANAOLK	DAMEL L. OAKZA
			DESIGNED BY	D. GARZA
			DRAWN BY	M. CANTU
			CHECKED BY	C. PERRY
Α	02/18/2022	ISSUED FOR REVIEW		
SSUE	DATE	DESCRIPTION	PROJECT NUMBER	10310755

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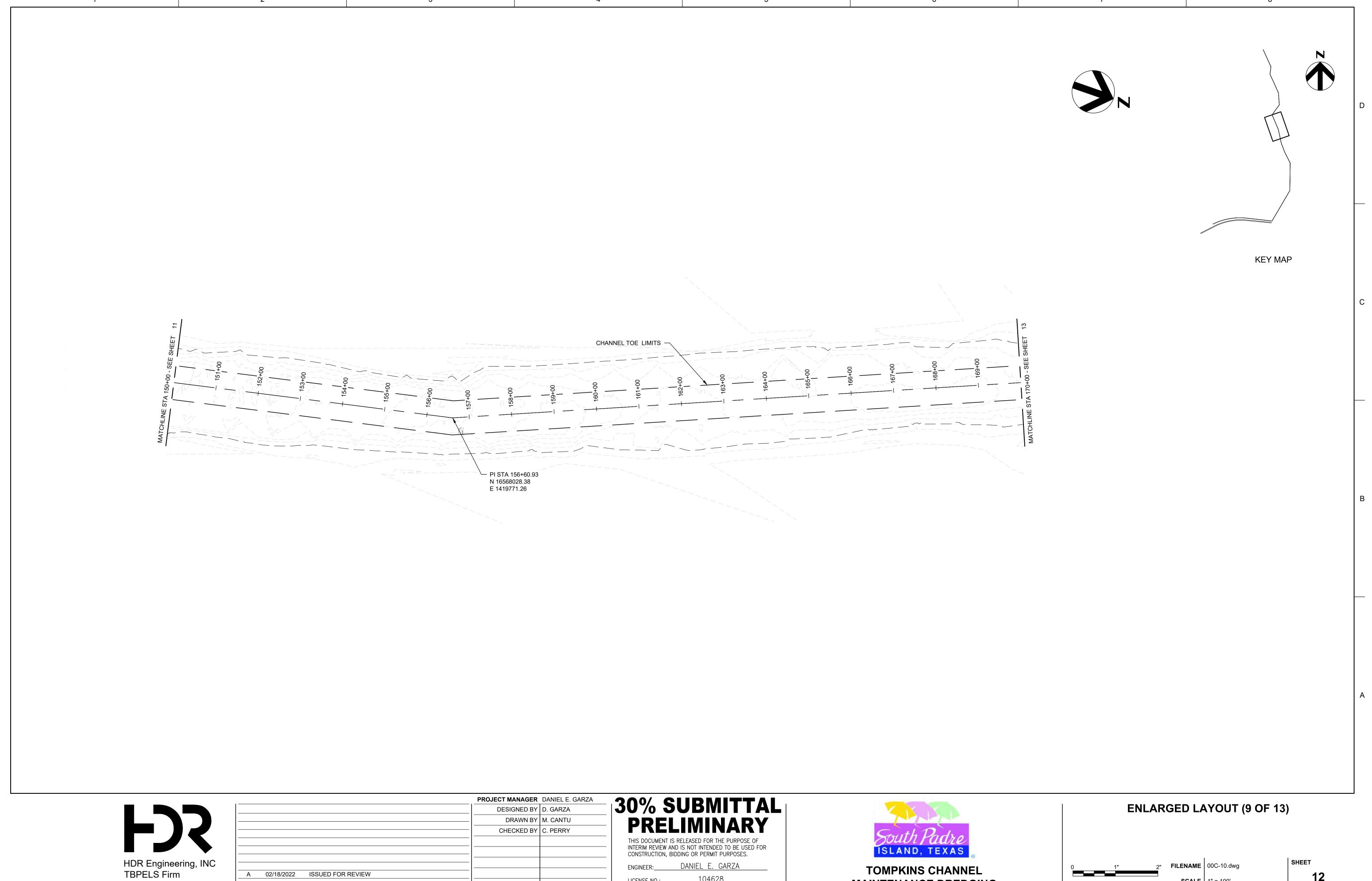
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FILENAME 00C-09.dwg **SCALE** 1" = 100'

SHEET



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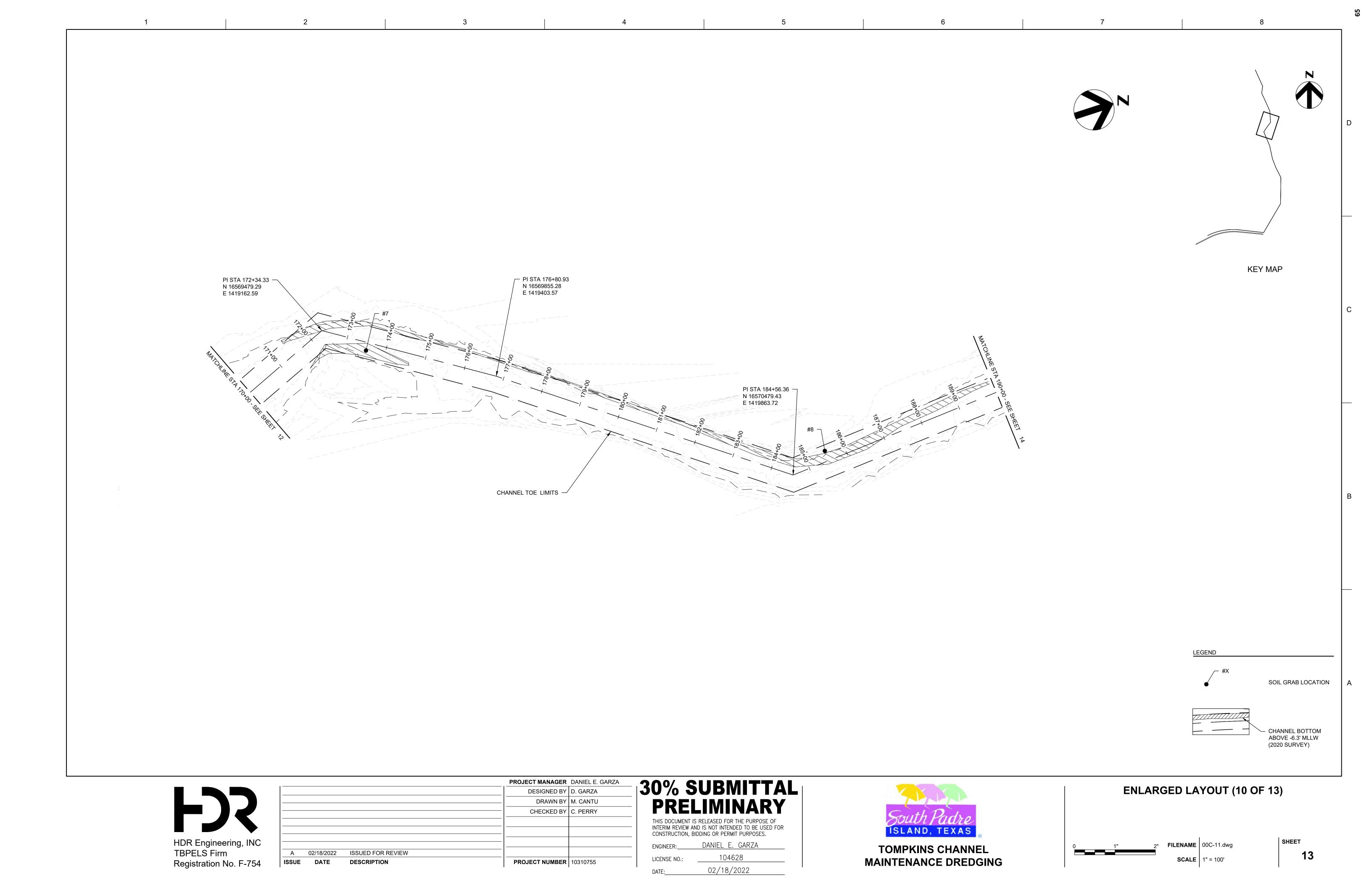
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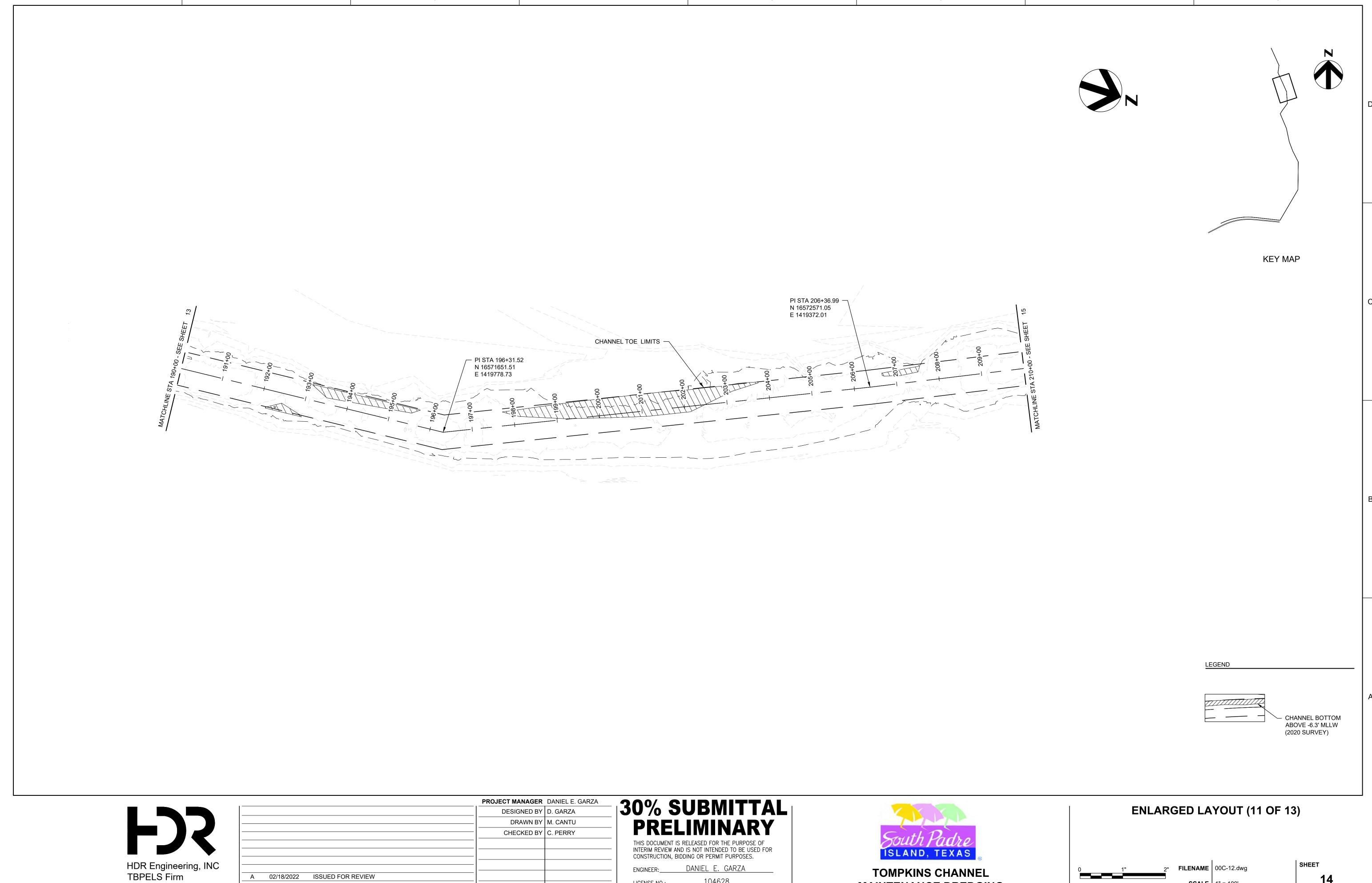
A 02/18/2022

Registration No. F-754

MAINTENANCE DREDGING

SCALE 1" = 100'





ISSUED FOR REVIEW A 02/18/2022 PROJECT NUMBER 10310755 DESCRIPTION

Registration No. F-754

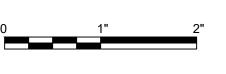
DANIEL E. GARZA

LICENSE NO.:

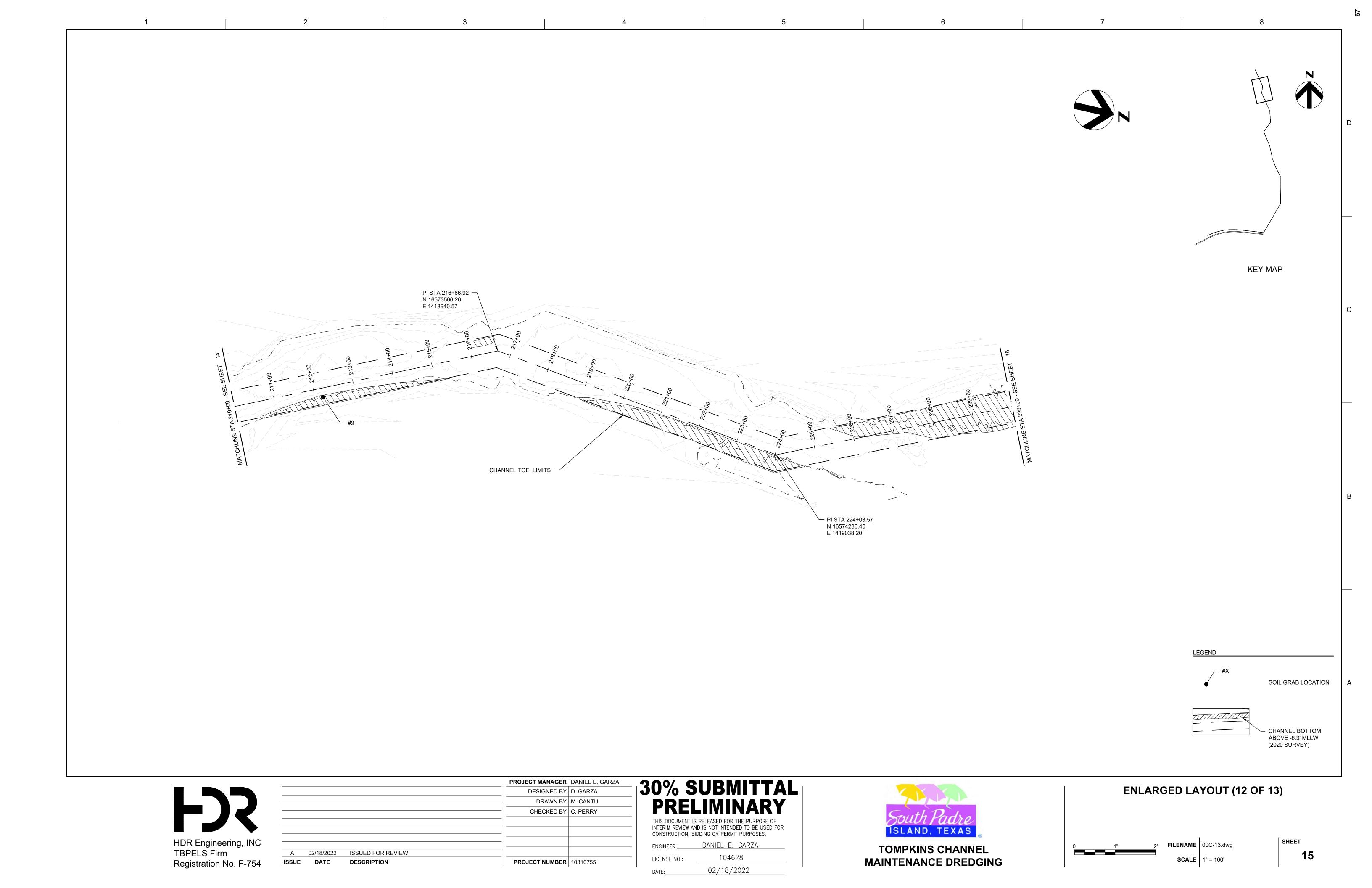
104628

02/18/2022

TOMPKINS CHANNEL MAINTENANCE DREDGING



FILENAME 00C-12.dwg **SCALE** 1" = 100'



KEY MAP PI STA 242+66.14 N 16575932.96 E 1418269.51 LEGEND SOIL GRAB LOCATION - CHANNEL BOTTOM ABOVE -6.3' MLLW (2020 SURVEY)



			PROJECT MANAGER	DANIEL E. GARZA
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Α	02/18/2022	ISSUED FOR REVIEW		
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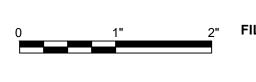
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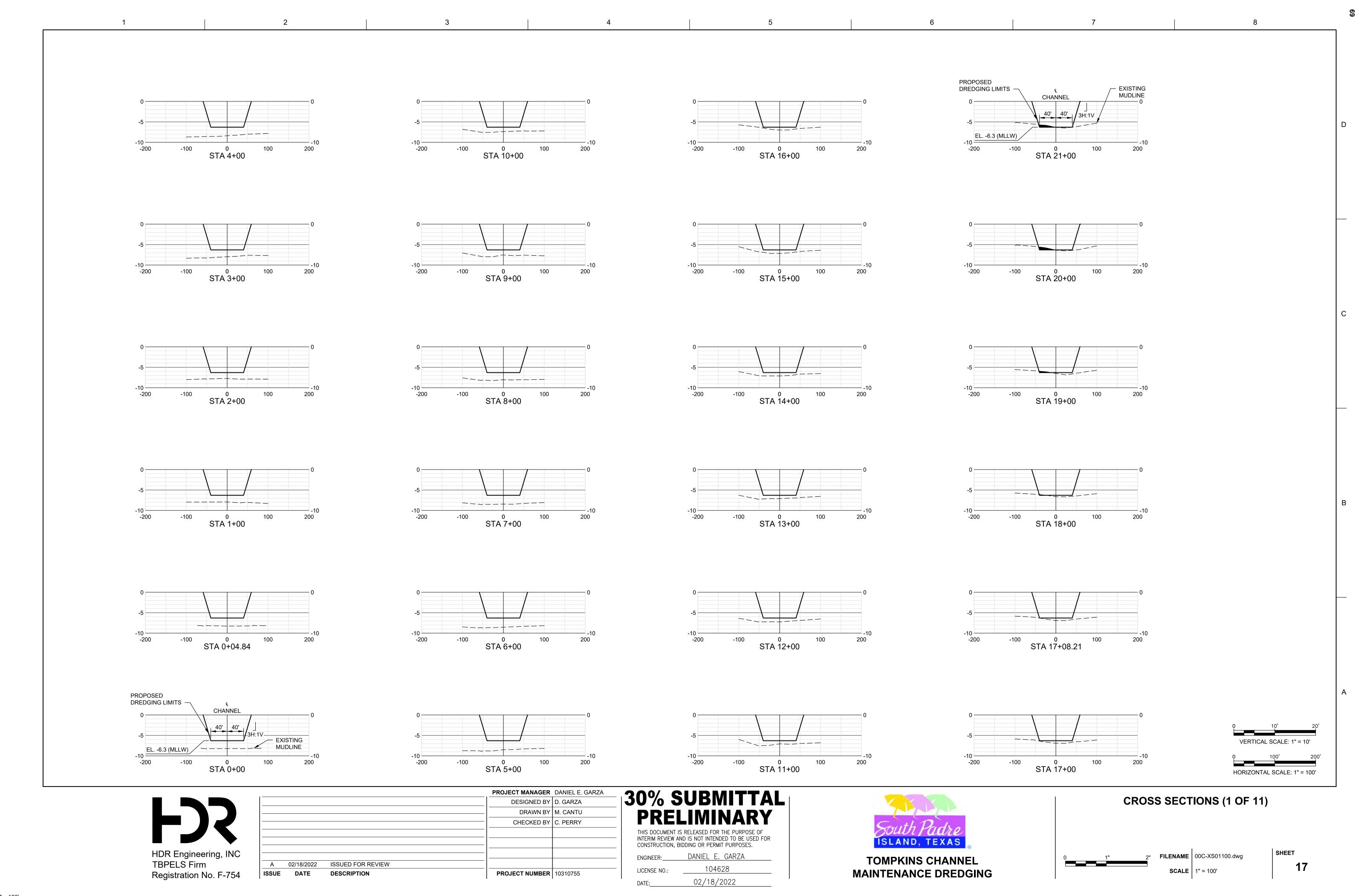
DANIEL E. GARZA 104628 LICENSE NO.: 02/18/2022

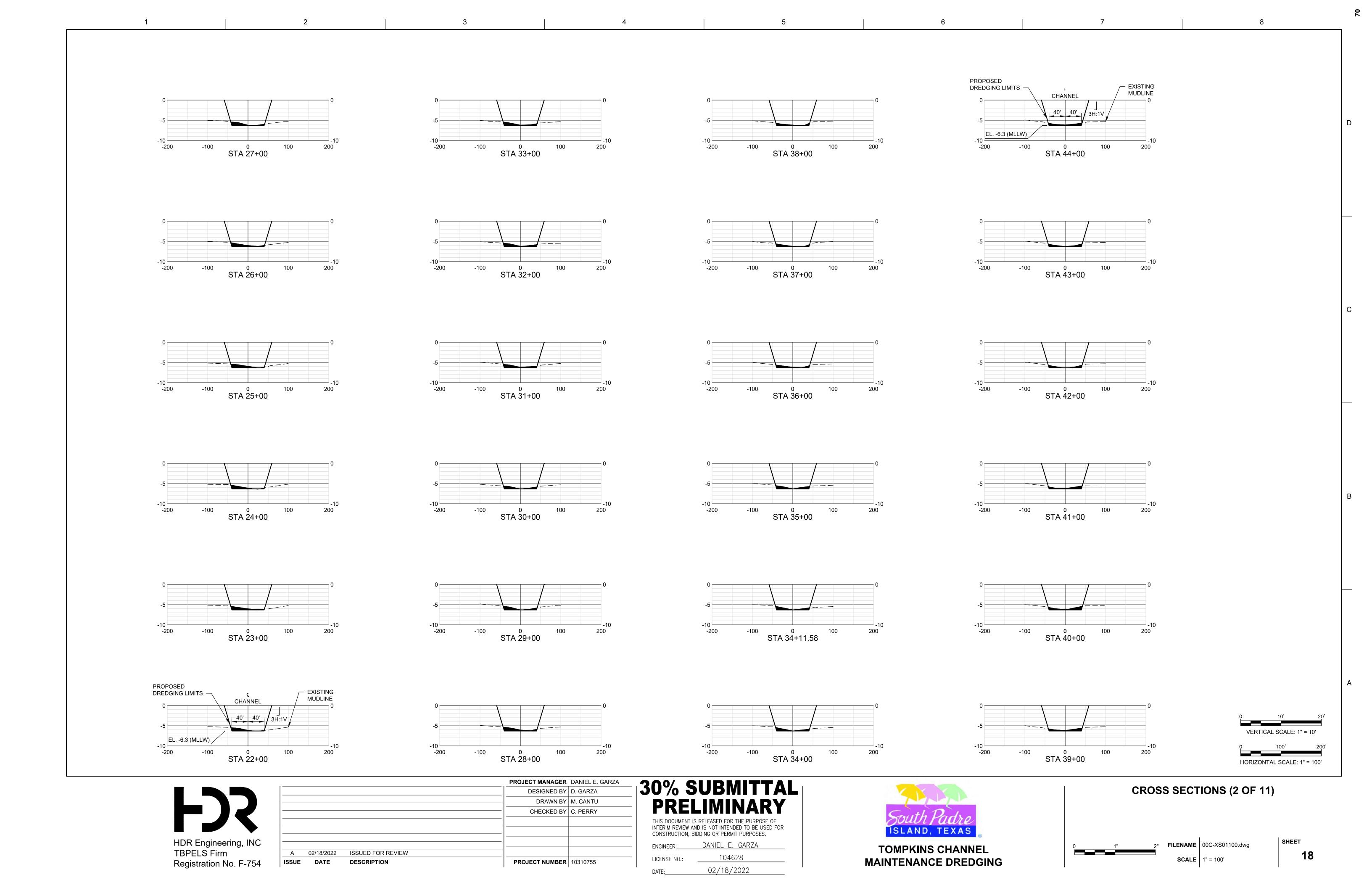


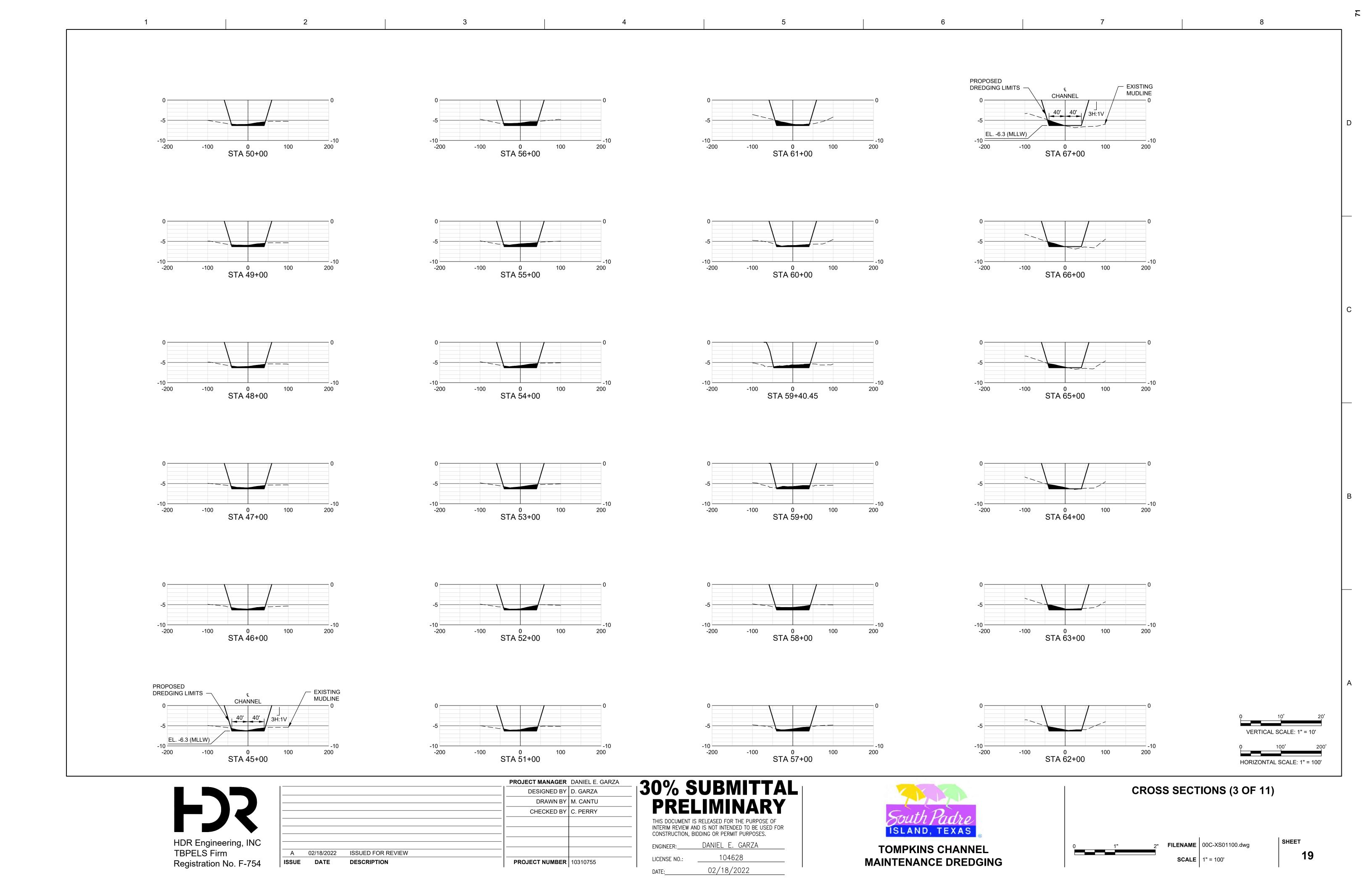


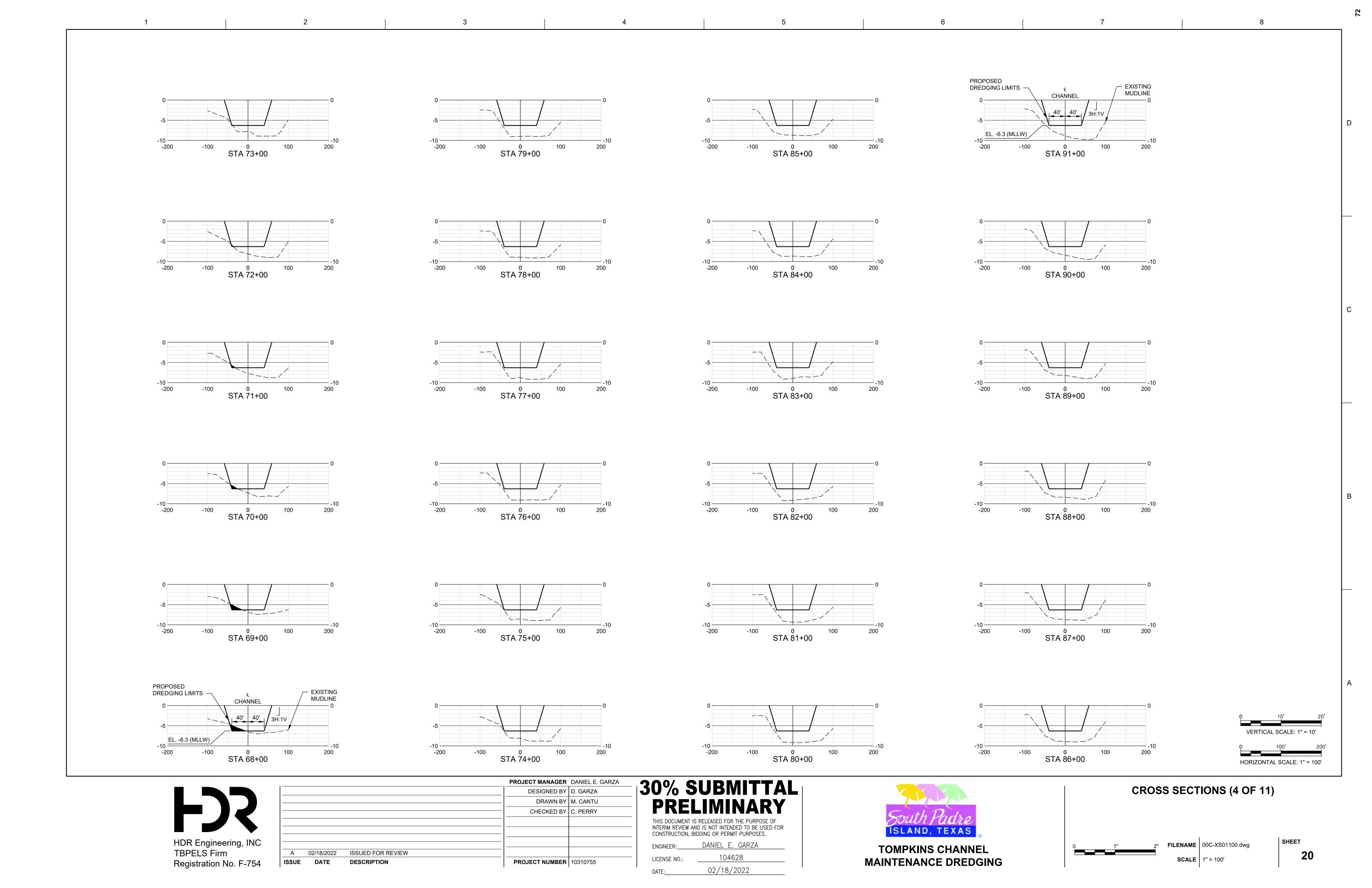


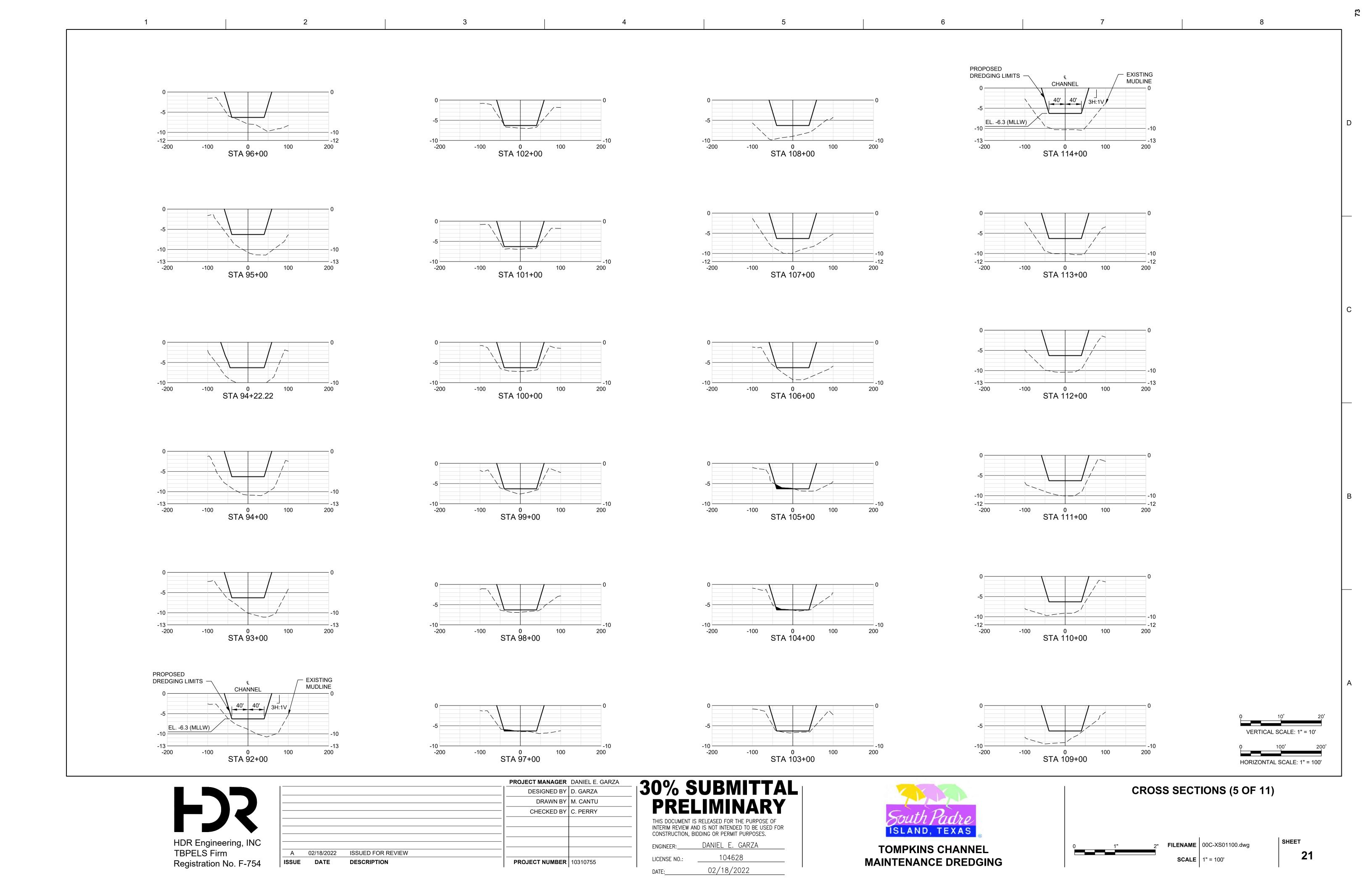
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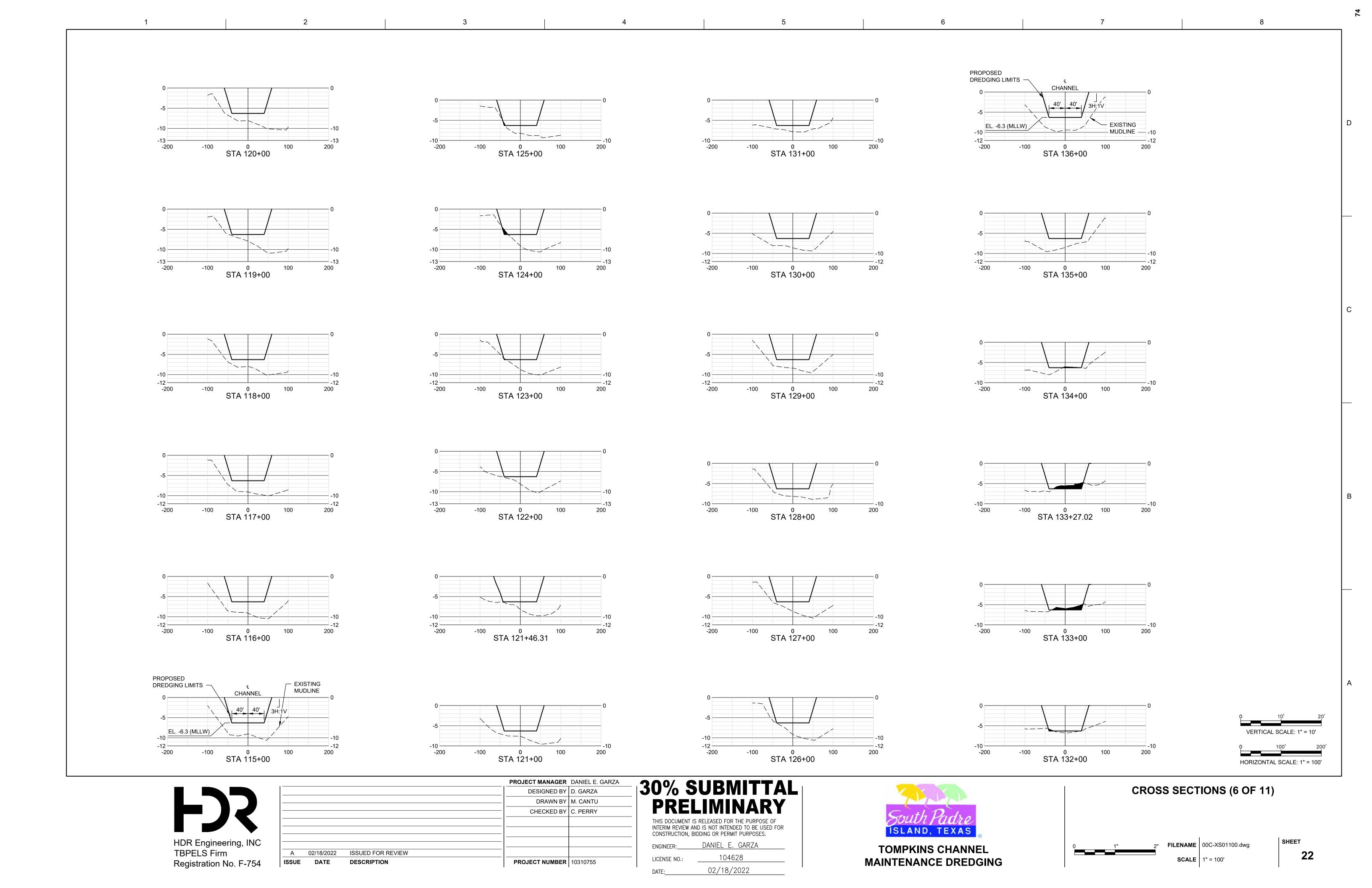


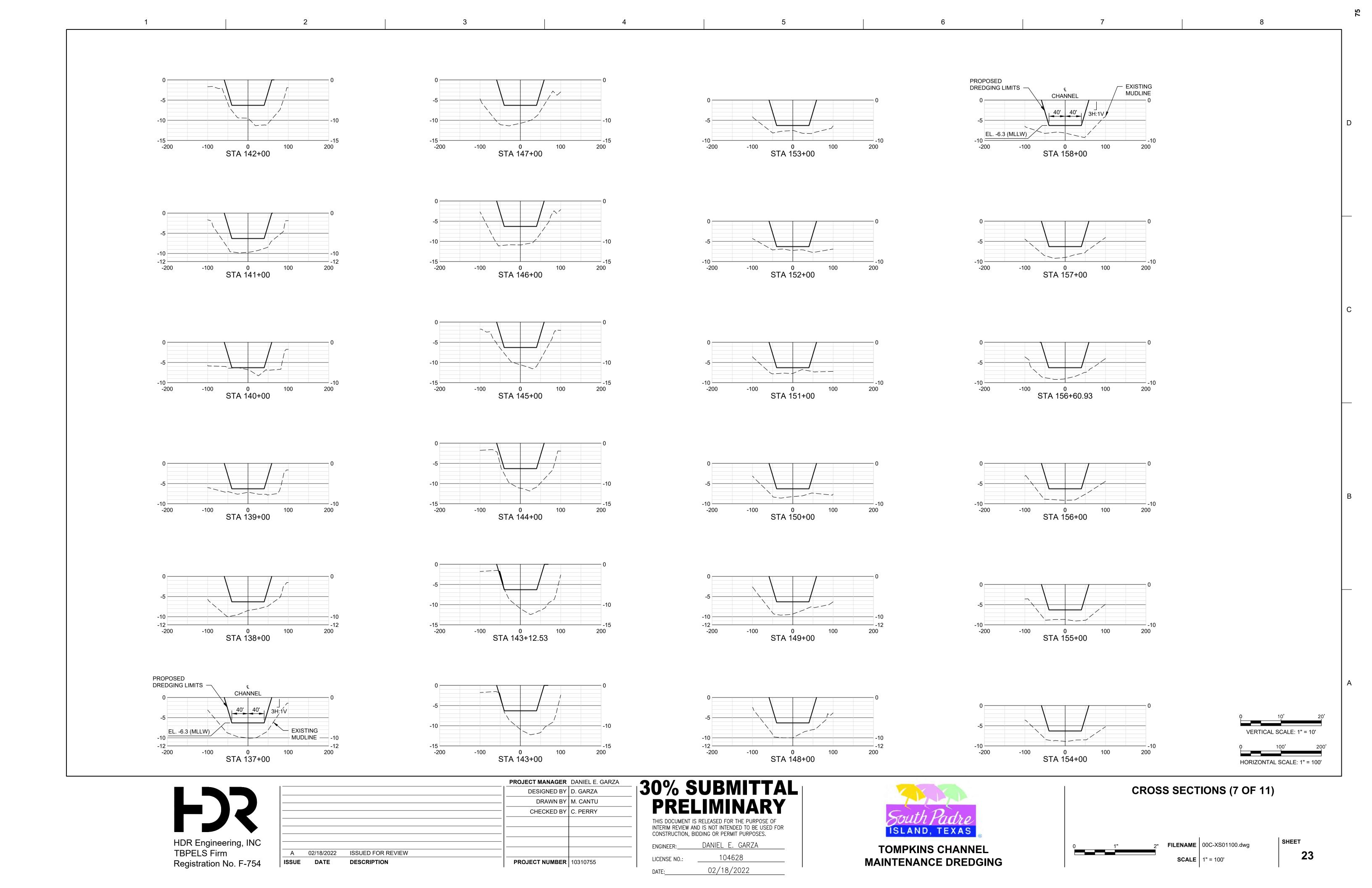


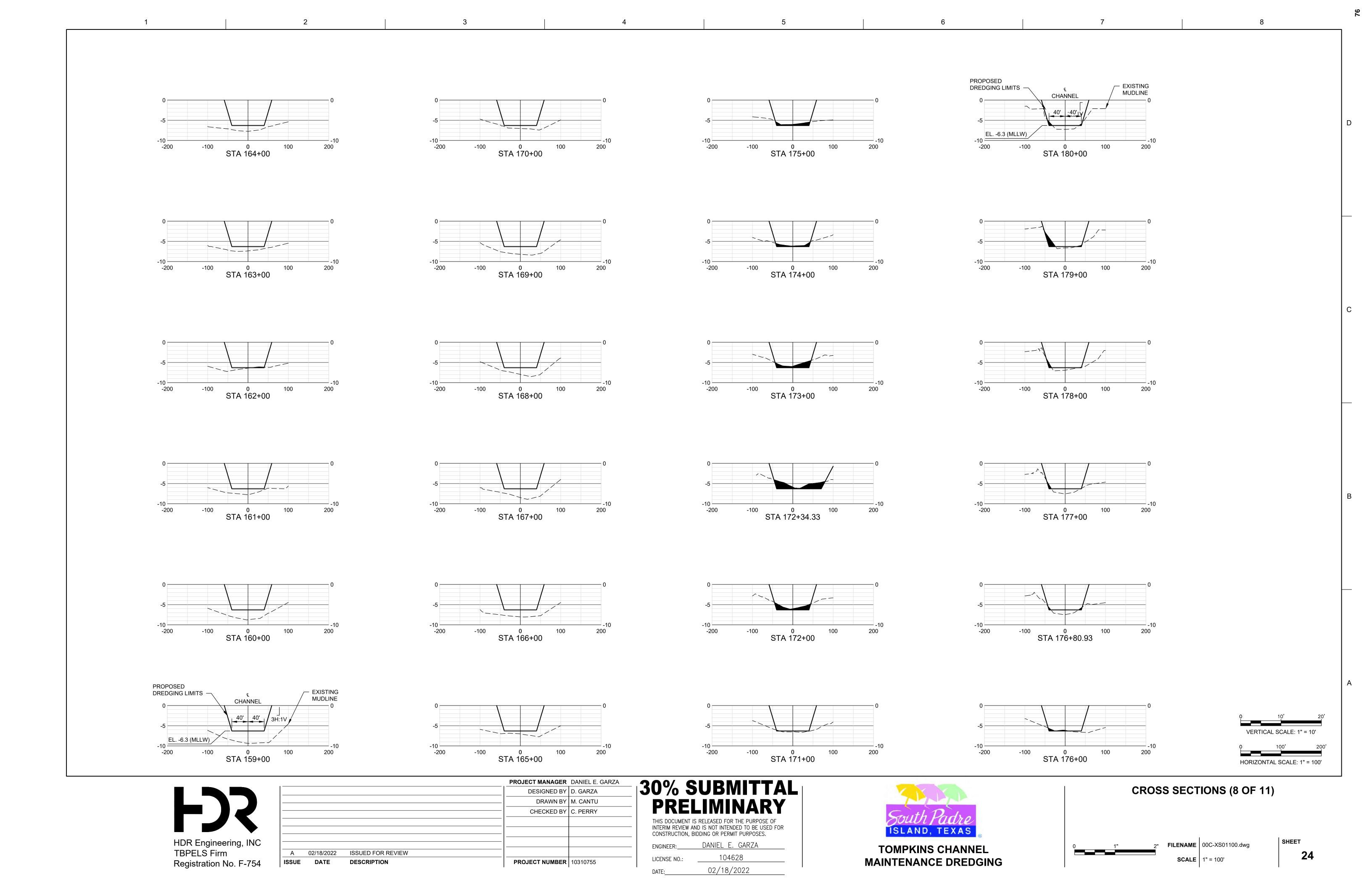


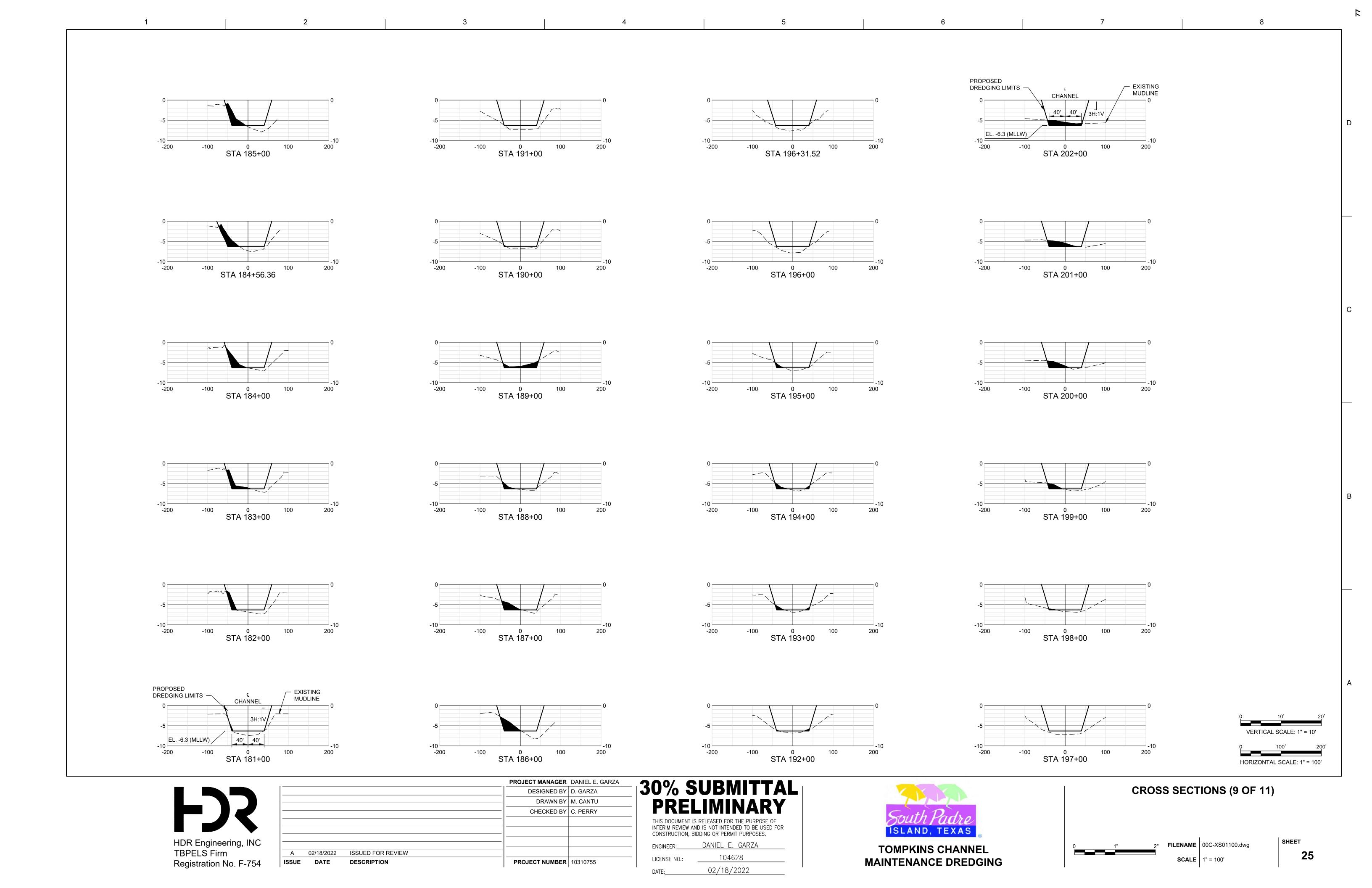


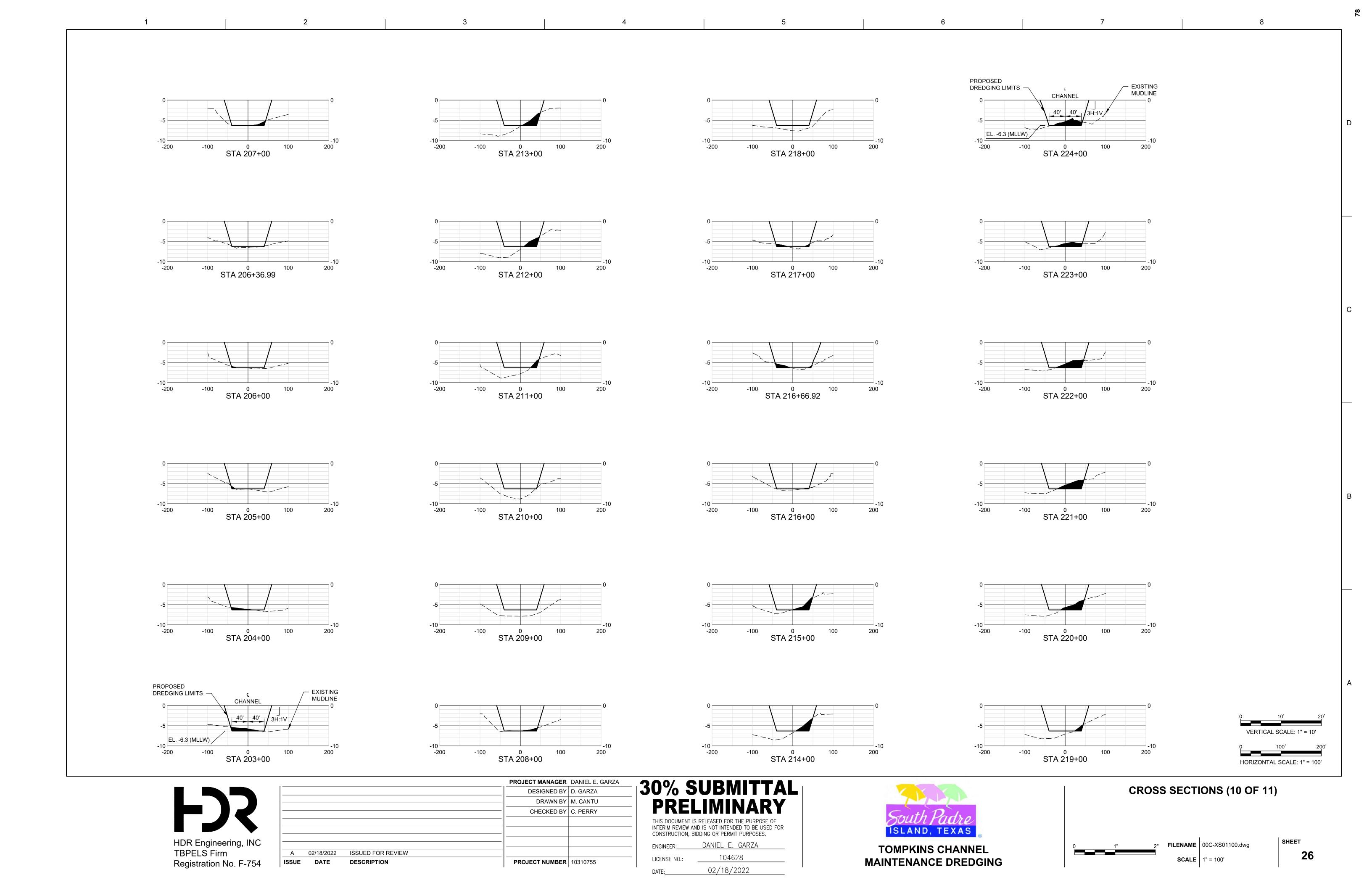


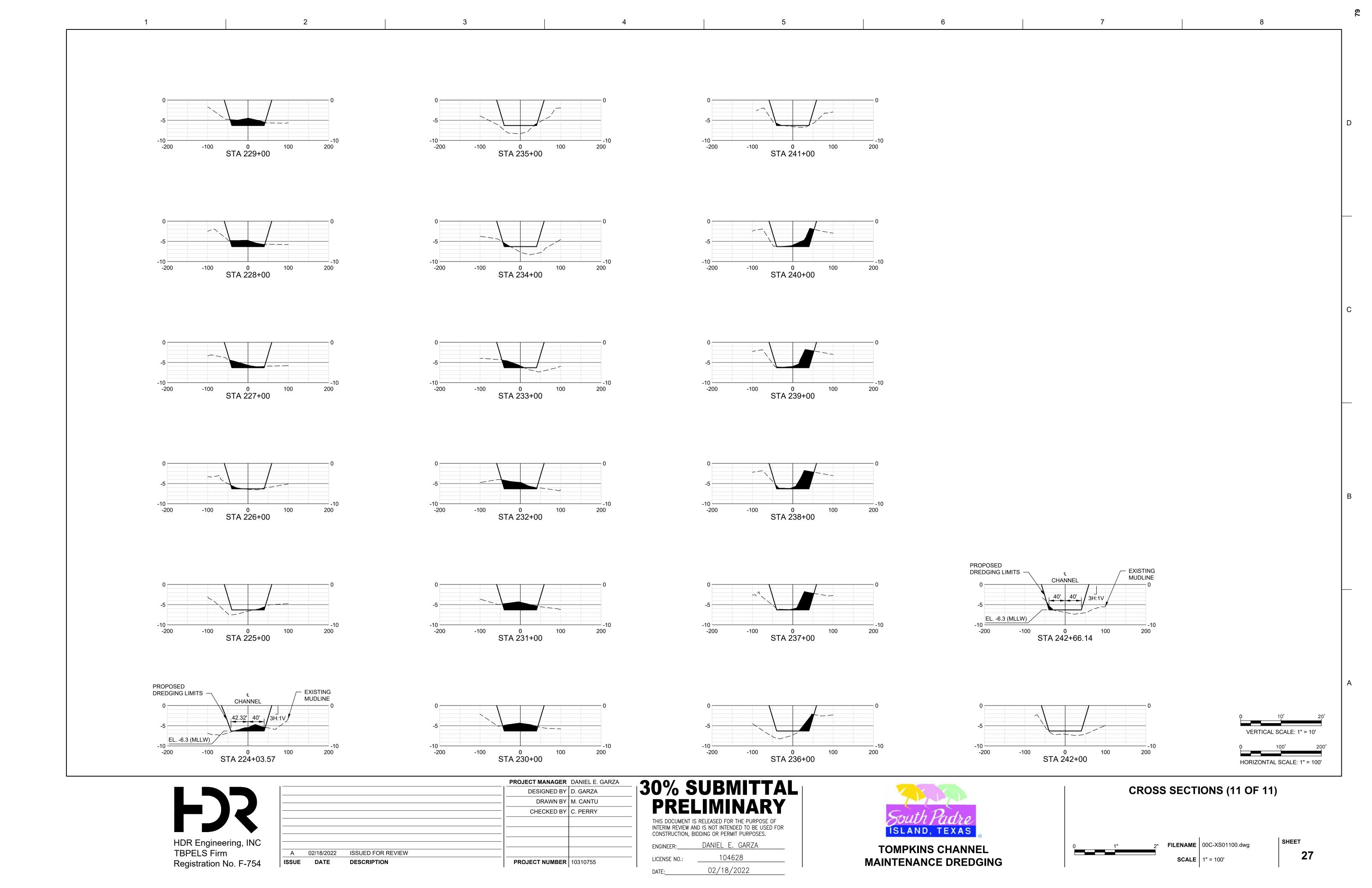


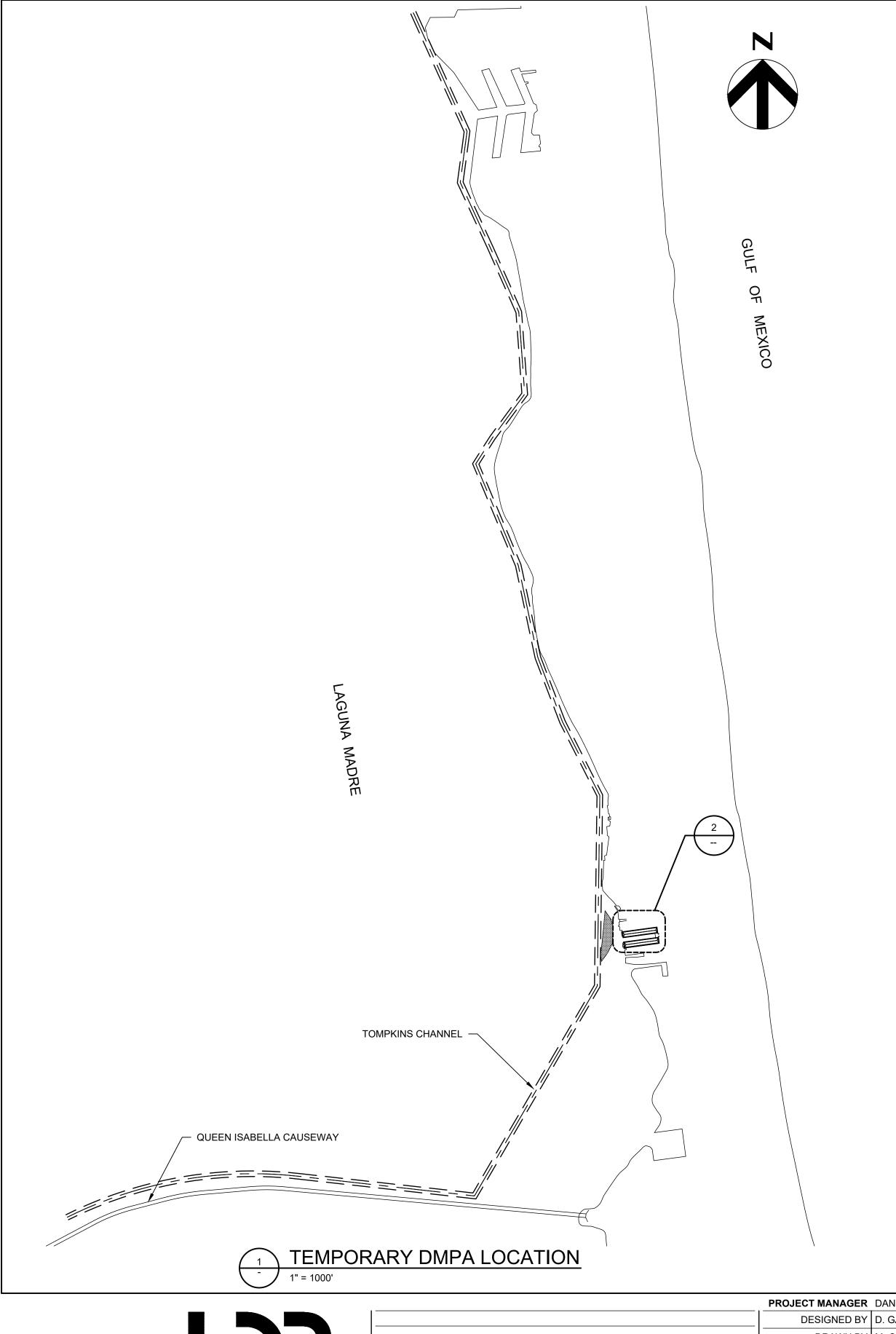










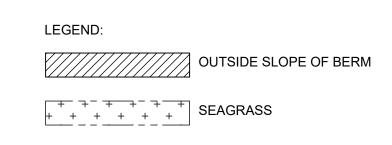




PROJECT NOTES:

- 1. A TEMPORARY CONSTRUCTION EASEMENT WILL BE GRANTED TO ALLOW THE USE OF THE SEA HORSE HARBOR SUBDIVISION FOR THE DURATION OF THIS PROJECT. THE CONTRACTOR MAY USE THE SPECIFIED AREA TO UNLOAD DREDGED MATERIAL FROM BARGES AND SPREAD IT.
- 2. THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING CHANNEL CLEARANCES AND WATER DEPTHS TO VERIFY THAT THERE IS ADEQUATE OPERATING ROOM.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE STABILITY OF THE EXISTING BULKHEAD PRIOR TO PLACING ANY LOAD ON OR ADJACENT TO THE STRUCTURE. ANY MATS, SHORING OR OTHER PROTECTIVE FEATURES REQUIRED FOR THE USE OF THE SITE SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT.
- 4. CONTRACTOR IS RESPONSIBLE FOR LOCATING RETAINING WALL TIEBACKS/DEADMEN. ANY DAMAGED CAUSED TO THE RETAINING WALL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 5. THE SITE SHALL BE KEPT IN A NEAT AND ORDERLY FASHION DURING THE PROSECUTION OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING THE SITE TO ITS PRE-EXISTING CONDITION.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE TO ANY DAMAGES TO LOCAL INFRASTRUCTURE SUCH AS STREETS, MANHOLES, ETC.
- 7. THE CONTRACTOR SHALL SUBMIT A POLLUTION PREVENTION PLAN THAT WILL SHOW HOW THE SITE WILL E PREPARED AND MAINTAINED SO THAT THE EXCESS SILT OR OTHER POLLUTANTS ARE PREVENTED FROM ENTERING THE LAGUNA MADRE BAY
- 8. THE CONTRACTOR SHALL TAKE CARE TO PROTECT EXISTING SEA GRASS BEDS THAT ARE OUTSIDE OF THE LIMITS OF THE CHANNEL. THE CONTRACTOR IS RESPONSIBLE FOR THE MITIGATION OF ANY SHORT-TERM OR LONG-TERM IMPACTS TO SEAGRASSES AT NO ADDITIONAL EXPENSE TO THE OWNER.





HDR Engineering, INC TBPELS Firm Registration No. F-754

			PROJECT MANAGER	DANIEL E. GARZA
			DESIGNED BY	D. GARZA
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DANIEL E. GARZA 104628 LICENSE NO. 02/18/2022



MAINTENANCE DREDGING

PLACEMENT AREA PLAN AND DETAILS

SCALE AS NOTED

FILENAME 01C-01.dwg

SHEET