CONSTRUCTION PLANS
FOR
COMMUNITY CENTER PARK EXPANSION
100% BID SET

430 ALISTER ST N
PORT ARANSAS, TX 78373
FEBRUARY 2024

OWNED/CLIENT:

SURVEYED DATE:
5/21/23

BENCHMARK(S):
CRP NORTHING EASTING ELEVATION

PROPERTY LOCATION:
1. ADDRESS: 430 ALISTER ST N PORT ARANSAS, TX 78373
2. NEIGHBORHOOD: ALLISTER JOE SUR & 5 - P A

ZONING:
1. COMMERCIAL

LAND USE SUMMARY:
1. Community Center Park Expansion

INFORMATION SHOWN ON THESE DRAWINGS INDICATING SIZE, TYPE AND LOCATION OF UNDERGROUND, SURFACE, AND AERIAL UTILITIES IS NOT GUARANTEED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT THE PORT ARANSAS AREA "ONE CALL" SYSTEM AT 1-800-344-8377 (DIG TESS) 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION FOR EXISTING UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO BE FULLY RESPONSIBLE FOR FIELD VERIFYING LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AFFECTED BY CONSTRUCTION FOR THIS PROJECT IN ORDER TO AVOID DAMAGING THOSE UTILITIES, AND SHALL IMMEDIATELY ARRANGE FOR REPAIR AND RESTORATION OF CONTRACTOR-DAMAGED UTILITIES TO THE UTILITY COMPANY'S APPROVAL AT THE EXPENSE OF THE CONTRACTOR.
I. GENERAL NOTES (CIVIL)

1. SCOPE OF WORK

A. COMMUNITY CENTER PARK EXPANSION (430 N. ALISTER ROAD) IS A PARK EXPANSION AND RECREATIONAL FACILITY FOR THE CITY OF PORT ARANSAS. TO THE KNOWLEDGE OF THE CONTRACTOR, THERE ARE NO SUBSURFACE STRUCTURES, ACCESSIBLE INCLUSIONS, SITE LIGHTING, AND GUIDANCE INSTRUCTIONS.

2. SOILS

A. THE CONTRACTOR SHALL REVIEW THE GEOTECHNICAL ENGINEERING REPORT ISSUED BY TERRACON CONSULTANTS, INC. (PROJECT NO. CD235016) ON AUGUST 30, 2023. THE REPORT IS TO BE REVIEWED AS PART OF THE PROPOSED WORK. ANY ABANDONED LINE TO REMAIN IN PLACE SHALL BE CAPPED AT THE END(S) AND GROUT FILLED.

3. TECHNICAL SPECIFICATIONS

A. THE CONTRACTOR SHALL REVIEW THE TECHNICAL SPECIFICATIONS INCLUDED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY TECHNICAL SPECIFICATIONS THAT MAY NOW OR HEREAFTER BE INCORPORATED IN THESE PLANS. THE CONTRACTOR SHALL REVIEW THE GEOTECHNICAL ENGINEERING REPORT WITHIN A FOOT OF THE PROPOSED SUBGRADE IMPROVEMENTS OR IMPACTS THE CONTRACTOR’S SATISFACTION, WITH NO SEPARATE PAY.

4. PARKING LOT AND STREET

A. WHERE EXISTING ASPHALT AND CONCRETE ARE TO BE CUT, THESE CUTS SHALL BE DRAWN BY THE CONTRACTOR’S SURVEYOR TO ENSURE THAT ANY DIGITAL OR ELECTRONIC REPRESENTATION OF THESE PLANS IS IN COMPLETE CONFORMANCE WITH ALL OF THE NOTATIONS, SPECIFICATIONS, DETAILS, AND OTHER DATA APPEARING ON OR AS MAY BE DERIVED FROM THESE CONSTRUCTION PLANS. THE CONTRACTOR AND/OR CONTRACTORS SURVEYOR TO ENSURE THAT ANY DIGITAL OR ELECTRONIC REPRESENTATION OF THESE PLANS, PREPARED BY HALFF ASSOCIATES, INC., DO NOT EXTEND TO OR APPEAR ON THESE CONSTRUCTION PLANS, PREPARED BY HALFF ASSOCIATES, INC., DO NOT EXTEND TO OR APPEAR ON THESE CONSTRUCTION PLANS.

5. WATER INLS

A. NO DOMESTIC WATER IMPROVEMENTS ARE PROPOSED FOR THIS PROJECT.

6. ENVIRONMENTAL

A. THE CONTRACTOR SHALL ACQUIRE THE NECESSARY TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) PERMITS, INCLUDING PERMITS FOR TEC REBUILDING, HANGAR REBUILDING, AND AIRPORT OF RECORD. THE CONTRACTOR SHALL OBTAIN AND OBTAIN THE PROPOSED CONSTRUCTION ACTIVITIES PRIOR TO BEGINNING WORK. THOSE ACTIVES INCLUDE, BUT ARE NOT LIMITED TO, NOTICE OF INTENT (NOI), REQUIRED SITE POSTINGS, AND NOTICE OF TERMINATION NOT. ALL ACTIVITIES WILL BE PERFORMED AT THE MATERIALIZED LOCATION OF THE PROPOSED CONSTRUCTION WORK.

7. TRAFFIC SIGNING AND SIGNS

A. ANTI-GRAFFITI COATING ON FRONT OF THE SIGN PLAQUE IS APPLICABLE TO ALL SIGN MOUNTS EXCEPT FOR STREET NAME SIGNS.

8. SAFETY

A. THESE PLANS, PREPARED BY HALFF ASSOCIATES, INC., DO NOT EXTEND TO OR APPEAR ON THESE CONSTRUCTION PLANS. THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT THE CONTRACTOR’S HSE MANAGEMENT PROGRAM IN COMPLIANCE WITH THE TEEX LEGISLATIVE BILLS 662 AND 665 ENACTED BY THE TEXAS LEGISLATURE IN THE 70TH LEGISLATURE REGULAR SESSION. THESE PLANS, PREPARED BY HALFF ASSOCIATES, INC., DO NOT EXTEND TO OR APPEAR ON THESE CONSTRUCTION PLANS.

9. TEMPORARY FACILITIES

A. THE CONTRACTOR SHALL INSTALL TEMPORARY FACILITIES (TFC) DEVICES IN ACCORDANCE WITH THE TEEX MANUAL ON TEMPORARY FACILITIES (TFC), DEVICES AND TIMETABLE FOR THE PERIOD OF THE CONTRACT.

10. LANDSCAPE AND IRRIGATION

A. CONTRACTOR TO PREPARE LANDSCAPE AND IRRIGATION PLANS FOR EASMENT GENERAL NOTES.

II. PROPOSED STORMWATER SYSTEMS - EASMENTS

A. IF APPLICABLE, EXISTING STORMWATER SYSTEMS SHALL BE PROTECTED. ANY EXISTING STORMWATER SYSTEM SHOULD AND WILL BE COMPARED PRIOR TO THE ACCEPTANCE OF THE PROJECT. CONTRACTOR SHALL NOTIFY THE OWNER OF THE STORMWATER SYSTEM IMMEDIATELY IF AND WHEN DAMAGES OCCUR.

III. WATER METER ACCESS

A. WATER METERS SHALL BE ACCESSIBLE DURING CONSTRUCTION.

IV. PROPOSED WATER SERVICE DESIGN

A. PROPOSED WATER SERVICE DESIGN FOR THE PROPOSED ConSTRUCTION WORK.

1. WATER LINES

A. NO WATER LINES IMPROVEMENTS ARE PROPOSED FOR THIS PROJECT.

2. WASTEWATER LINES

A. NO WASTEWATER IMPROVEMENTS ARE PROPOSED FOR THIS PROJECT.

3. GAS LINES

A. NO GAS LINES IMPROVEMENTS ARE PROPOSED FOR THIS PROJECT.

4. ELECTRIC LINES

A. NO ELECTRIC LINES IMPROVEMENTS ARE PROPOSED FOR THIS PROJECT.

5. TELEPHONE LINES

A. NO TELEPHONE LINES IMPROVEMENTS ARE PROPOSED FOR THIS PROJECT.

6. LIGHTING LINES

A. NO LIGHTING LINES IMPROVEMENTS ARE PROPOSED FOR THIS PROJECT.

7. SIGNS

A. ALL SIGN MOUNTS TO BE DRAWN BY THE CONTRACTOR’S SURVEYOR TO ENSURE THAT ANY DIGITAL OR ELECTRONIC REPRESENTATION OF THESE PLANS IS IN COMPLETE CONFORMANCE WITH ALL OF THE NOTATIONS, SPECIFICATIONS, DETAILS, AND OTHER DATA APPEARING ON OR AS MAY BE DERIVED FROM THESE CONSTRUCTION PLANS.

8. TRAFFIC STRIPING AND SIGNAGE

A. ALL CONCRETE TO BE 4000-PSI MINIMUM AT 28 DAYS, UNLESS OTHERWISE APPROVED.

9. ROADWAY SURFACING

A. ALL CONCRETE TO BE 4000-PSI MINIMUM AT 28 DAYS, UNLESS OTHERWISE APPROVED.

CALL BEFORE YOU DIG!

THE LONG STAR NOTIFICATION COMPANY
1-800-662-6A44
NOTES:
1. REFER TO LANDSCAPE SHEETS FOR LANDSCAPE ELEMENT DESCRIPTIONS, SHADE STRUCTURE TYPES AND PROPOSED VEGETATION.
2. SEE SITE PLAN DETAILS SHEET FOR ADA (HANDICAP) SIGNAGE AND STIRPING DETAILS.
3. ALL STIRPING SHALL BE RINCHED THICK WHITE PAINT, UNLESS MARKED OTHERWISE.
4. CONTRACTOR SHALL CONTACT THE ENGINEER WITH ANY ITEMS ON THESE PLANS THAT NEED CLARIFICATION OR ANY ITEMS FOUND IN THE FIELD THAT ARE NOT CONSISTENT WITH THESE PLANS.
5. CONTRACTOR SHALL VERIFY ACCESSIBLE FEATURES MEET THE TEXAS DEPARTMENT OF LICENSING AND REGISTRATION ARCHITECTURAL BARRIERS ACT AND TEXAS ACCESSIBILITY STANDARDS CURRANT AT THE TIME OF CONSTRUCTION.
6. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TRAFFIC CONTROL FOR PROPOSED SIDEWALKS AND EXISTING ROADS.
7. PARKING LOT AND ROUCHY MOWING AND APRITING AT BACK OF CURVE, UNLESS RATED OTHERWISE.

CONTROL POINT NOTES:
THIS DRAWING, THE ASSOCIATED DATA AND CONTROL POINTS ARE REFERENCED TO THE TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (4205), NAVD 88 (GEODE 18) VERTICAL.

PARKING TABLE

<table>
<thead>
<tr>
<th>#</th>
<th>NUMBER OF SPACES</th>
<th>TYPE OF PARKING SPACE</th>
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<tr>
<td>21</td>
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<td>25</td>
</tr>
<tr>
<td>27</td>
<td>STANDARD</td>
<td>27</td>
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CONTROL POINTS AND BENCHMARKS:

ALL COORDINATES SHOWN ARE GRID COORDINATES:

<table>
<thead>
<tr>
<th>CP</th>
<th>NORTHING</th>
<th>EASTING</th>
<th>ELEVATION</th>
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</thead>
<tbody>
<tr>
<td>CP102</td>
<td>17195595.42</td>
<td>1449321.35</td>
<td>3.0'</td>
</tr>
<tr>
<td>CP101</td>
<td>17195347.81</td>
<td>1449315.14</td>
<td>3.0'</td>
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</tbody>
</table>

CP/BM CONTROL POINTS AND BENCHMARKS:

(SEE NOTE 1)

REFERENCES MOW STRIP LAYOUT PLAN SHEET

NORTHING

E: 1449316.41
N: 17195490.77
E: 1449314.20
N: 17195511.58
E: 1449340.22
N: 17195442.58
E: 1449314.60
N: 17195465.12
E: 1449373.70
N: 17195500.43
E: 1449372.29
N: 17195525.52
E: 1449393.54
N: 1719533.38
R=9.7'
R=9.0'
R=4.0'
2.0'
2.0'
24.0'
15.0'

REFERENCES LA SITE DETAILS SHEET

LOT 1, BLOCK 1

E: 1449362.70
N: 17195559.66
E: 1449368.93
N: 17195506.98
BROWN STREET

ELEMENT TYPE

COMMITTEE CENTER
PORT ARANSAS
(2011) HORIZONTAL; NAVD 88 (GEOID 18) VERTICAL.
THIS DRAWING, THE ASSOCIATED DATA AND CONTROL
POINTS ARE REFERENCED TO THE TEXAS STATE PLANE
COORDINATE SYSTEM, SOUTH ZONE (4205), NAD 83
(1927) HORIZONTAL; NAVD 88 (GEOID 18) VERTICAL.
NOTE:
1. REFER TO LANDSCAPE SHEETS FOR LANDSCAPE ELEMENT
   DESCRIPTIONS, SHADE STRUCTURE TYPES AND PROPOSED
   VEGETATION
2. SEE SITE PLAN DETAILS SHEET FOR ADA (HANDICAP)
   SIGNAGE AND STRIPING DETAILS
3. ALL STIRRUP SHALL BE 4" RADIUS THICK WHITE PAINT, UNLESS
   MARRIED OTHERWISE
4. CONTRACTOR SHALL CONTACT THE ENGINEER WITH ANY
   ITEMS ON THESE PLANS THAT NEED CLASSIFICATION OR ANY
   REVERSED ELEVEED FIELD THAT ARE NOT CONSISTENT
   W/ THE PLAN
5. CONTRACTOR SHALL VERIFY ACCESSIBLE FEATURES MEET
   THE TEXAS DEPARTMENT OF LICENSING AND REGISTRATION
   ARCHITECTURAL BARRIERS ACT AND TEXAS ACCESSIBILITY
   STANDARDS (CURRENT AT THE TIME OF CONSTRUCTION)
   PRIOR TO POURING CONCRETE
6. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TRAFFIC
   CONTROL ON THIS DRAWING
7. INSTALLING LOT AND ROADWAY NORTHERN AND EASTING AT
   BASIS OF CURB, UNLESS MARRIED OTHERWISE
8. REFER TO LANDSCAPE SHEETS FOR ADJUSTABLE FLOWER
   BORDERS, PLANT BEDS AND VEGETATION

LEGEND:

L1 L2 L3 L4 L5 L6 L7

REFERENCES MOW STRIP LAYOUT PLAN SHEET

MATCHLINE - SEE SHEET C.4.2

PARKING TABLE

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<tr>
<th>NUMBER OF SPACES</th>
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</tr>
<tr>
<td>2.00</td>
<td>LODGE STYLE</td>
</tr>
<tr>
<td>4.00</td>
<td>TOTAL</td>
</tr>
</tbody>
</table>

NOTES:

1. REFER TO LANDSCAPE SHEETS FOR LANDSCAPE ELEMENT
2. SHADE STRUCTURE TYPES AND PROPOSED
3. VEGETATION
4. ALL STIRRUP SHALL BE 4" RADIUS THICK WHITE PAINT, UNLESS
   MARRIED OTHERWISE
5. CONTRACTOR SHALL CONTACT THE ENGINEER WITH ANY
   ITEMS ON THESE PLANS THAT NEED CLASSIFICATION OR ANY
   REVERSED ELEVATION FIELD THAT ARE NOT CONSISTENT
   W/ THE PLAN
6. CONTRACTOR SHALL VERIFY ACCESSIBLE FEATURES MEET
   THE TEXAS DEPARTMENT OF LICENSING AND REGISTRATION
   ARCHITECTURAL BARRIERS ACT AND TEXAS ACCESSIBILITY
   STANDARDS (CURRENT AT THE TIME OF CONSTRUCTION)
   PRIOR TO POURING CONCRETE
7. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TRAFFIC
   CONTROL ON THIS DRAWING
8. INSTALLING LOT AND ROADWAY NORTHERN AND EASTING AT
   BASIS OF CURB, UNLESS MARRIED OTHERWISE
INFORMATION ON EXISTING UTILITIES IS FROM BEST AVAILABLE INFORMATION OF RECORD AND IS TO BE VERIFIED BY CONSTRUCTION TEAM ON SITE.
CONCRETE PAVING SECTION NOTES:
1. PROPOSED CONCRETE PAVING SHALL HAVE A CUBIC COMpressive STRENGTH GREATER THAN OR EQUAL TO 4,000 PSI. CONCRETE MIX DESIGN, SUPPLIER, ADMIXTURES, AND GRADATIONS, AND REINFORCEMENT SPECIFICATIONS SHALL BE SUBMITTED TO ENGINEER OF RECORD FOR REVIEW PRIOR TO CONSTRUCTION.
2. JOINTS AND SPACING SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE GUIDE FOR JOINTING AND SPACING SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE GUIDE FOR CONCRETE PARKING LOTS, ACI REPORT 330R. CONSTRUCTION SEALANT RESERVOIR ALONG ONE EDGE OF THE JOINT. WIDTH OF RESERVOIR SHALL BE AS REQUIRED BY THE JOINT SEALANT MANUFACTURER. JOINTING AND SPACING SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE GUIDE FOR CONSTRUCTION JOINT WITH SEALANT.
3. JOINTS SHALL BE SPACED NO GREATER THAN 15 FEET. IF SAWCUT, CONTRACTION JOINTS SHALL BE CUT WITHIN 6 TO 12 HOURS OF CONCRETE PLACEMENT. SAWCUT SHALL BE AT LEAST 2.5" MIN. HMAC (TYPE D) PROPOSED (CURED) 6" HMAC (TYPE B) PROPOSED CONCRETE PAVING RE-PAIR AND TIE-IN TO EXISTING ASPHALT PAVEMENT ROADWAY SCALE: N.T.S.

ROADWAY CURB AND GUTTER TIE-IN DETAIL

NOTE:
1. PROPOSED CONCRETE CURB SHALL HAVE A CUBIC COMpressive STRENGTH GREATER THAN OR EQUAL TO 4,000 PSI. CONCRETE MIX DESIGN, SUPPLIER, ADMIXTURES, AND GRADATIONS, AND REINFORCEMENT SPECIFICATIONS SHALL BE SUBMITTED TO ENGINEER OF RECORD FOR REVIEW PRIOR TO CONSTRUCTION.
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PIVOT CENTER CONCRETE CURB

NOTE:
1. PROPOSED CONCRETE CURB SHALL HAVE A CUBIC COMpressive STRENGTH GREATER THAN OR EQUAL TO 4,000 PSI. CONCRETE MIX DESIGN, SUPPLIER, ADMIXTURES, AND GRADATIONS, AND REINFORCEMENT SPECIFICATIONS SHALL BE SUBMITTED TO ENGINEER OF RECORD FOR REVIEW PRIOR TO CONSTRUCTION.
2. JOINTS AND SPACING SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE GUIDE FOR JOINTING AND SPACING SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE GUIDE FOR CONCRETE PARKING LOTS, ACI REPORT 330R. CONSTRUCTION SEALANT RESERVOIR ALONG ONE EDGE OF THE JOINT. WIDTH OF RESERVOIR SHALL BE AS REQUIRED BY THE JOINT SEALANT MANUFACTURER. JOINTING AND SPACING SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE GUIDE FOR CONSTRUCTION JOINT WITH SEALANT.
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EXISTING R.C. PIPE PLUG

GENERAL NOTES FOR BACKFILL

UNPAVED AREAS

PAVED AREAS

TRENCH BACKFILL FOR STORM WATER PIPES

UNPAVED AREAS

PAVED AREAS
**NOTES**

1. **ACCESSIBLE PARKING SPACES**
   - Identified and reserved for the disabled by vertically mounted signs incorporating the symbol of accessibility and placed so that they will not be obscured by parked vehicles.
   - A sufficient number of signs to ensure each space is clearly identified.
   - Signs must be legible from a reasonable distance.
   - Signs can be mounted on posts, walls, fences, columns, or other permanent vertical surfaces.
   - They should be mounted between 48 inches and 80 inches above the ground or floor surface unless they are part of an accessible route.

2. **WHERE NOTED ON THE DRAWINGS**
   - Signs may be mounted on walls using the same dimensions.

3. **ALL SIGNS**
   - In conformance with TAS/ADA and Texas MUTCD.

**KEY**

1. White symbol on blue square
2. Installation of signs to ensure accessibility and visibility.
3. Signs placed so that they are not obstructed by parked vehicles.
4. Signs mounted on permanent vertical surfaces.
5. Signs set into concrete piers, filled with concrete, and set 24" deep, two bags concrete mix per hole.
6. Compacted subgrade to 95% max. density.

**DO NOT BLOCK SIGN (DETAIL PROVIDED BY CITY)**

**NOTE:**

1. Approve equal grate inlet shall be pedestrian safe.
INSTALLATION DETAIL FOR SAFETY PIPE RUNNERS

PLAN
(Showing bolt end connections.)

LONGITUDINAL ELEVATION
(Showing bolt end connections.)

MULTIPLE PIPE INSTALLATION

OPTION WITH SQUARE BOTTOM

OPTION WITH INVERT BOTTOM

SECTION A-A

OPTIONAL JOINT FOR RCP

REQUIREMENTS FOR CULVERT PIPES AND SAFETY PIPE RUNNERS

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<tr>
<th>Pipe E.D.</th>
<th>RCP Wall &quot;B&quot; Thickness</th>
<th>TP Wall Thickness</th>
<th>Slope</th>
<th>Max. Length</th>
<th>Pipe Runners Required</th>
<th>Pipe Runners Required</th>
<th>Required Pipe Dia.</th>
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<th>I.D.</th>
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<td>2 7/8</td>
<td>1-1/4</td>
<td>6.1</td>
<td>E - P</td>
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<td>Yes</td>
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<td>8&quot;</td>
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<td>0.125</td>
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<td>Yes</td>
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<td>6&quot;</td>
<td>3 3/4</td>
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</table>

GENERAL NOTES:

1. Dimension "B" is based on reinforced concrete pipe (RCP) meeting the requirements of AASHTO C-34.
2. Class I (RCP Wall "B" thickness). Adjust "B" for any other wall thickness used. Thermostatic pipe (TP) shall not account for the actual pipe Required for grades connections.
3. Slope as shown elsewhere in the plans. Slope of 6:1 or flatter is required for vehicle safety.
4. Fill to or below any dimensions shown elsewhere in the plans. The area of fill between adjacent and treatments with concrete riprap is considered necessary in the item 467, "Safety End Treatment".
5. Provide concrete riprap (C7.3) for structural treatments with concrete riprap is specified around the safety enclosures, thus direct as directed by Engineer.
6. Thermostatic pipe wall thickness may vary. Adjust accordingly. Thermostatic pipe requires the safety and treatments to have wall end for ground connections.

Corporate Center
Park and Expansion
PORT ARANSAS, TX
711 N CARANCAHUA ST., SUITE 1190
CORPUS CHRISTI, TEXAS 78401-0599
TEL. (361) 400-4600

PRECAST SAFETY END TREATMENT
TYPE II ~ PARALLEL DRAINAGE

PSET-SP

100% BID SET
NOTES:
1. FLOODPLAIN: THE TRACT SHOWN HEREIN LIES WITHIN ZONE AE (ELEV. 8'). THE DETERMINED BASE FLOOD ELEVATION IS THE WATER-SURFACE ELEVATION OF THE 1% ANNUAL CHANCE FLOOD AS IDENTIFIED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY. NATIONAL FLOOD INSURANCE PROGRAM AS SHOWN ON MAP NO. ASSOC. WITH THIS MAP. "THE DETERMINED BASE FLOOD ELEVATION IS THE WATER-SURFACE ELEVATION OF THE 1% ANNUAL CHANCE FLOOD AS IDENTIFIED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY. NATIONAL FLOOD INSURANCE PROGRAM AS SHOWN ON MAP NO. ASSOCIATED WITH THIS MAP.
2. THE DRAINAGE CALCULATIONS SHOWN ON THIS SHEET WERE COMPUTED USING THE RATIONAL METHOD.
3. ONLY THE 2-YEAR STORM EVENT WAS ANALYZED FOR THIS PROJECT PER THE CITY OF PORT ARANSAS STORM DRAINAGE DESIGN MANUAL (SDSM).
4. INTENSITY VALUES USED FOR THE RATIONAL METHOD.
5. A MINIMUM TIME OF CONCENTRATION (Tc) OF TEN (10) MINUTES WAS UTILIZED.
6. THE RUNOFF COEFFICIENTS (C-VALUES) WERE DERIVED FROM THE CITY SDM. SECTION 15 DETERMINATION OF THE STORM RUNOFF, SECTION 16: DETERMINATION OF THE STORM RUNOFF, ITEM C: RUNOFF COEFFICIENT.
7. EXISTING CONTOURS SHOWN BEYOND THE PROJECT SITE ARE APPROXIMATE AND BASED ON LIDAR DATA.

EXISTING SURFACE DATA

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<thead>
<tr>
<th>Drainage Area</th>
<th>Area (Acre)</th>
<th>Intensity (in/hr)</th>
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EXISTING DRAINAGE BASIN
EXISTING MINOR CONTOUR AND ELEVATION (FT)
EXISTING MAJOR CONTOUR AND ELEVATION (FT)

SCALE IN FEET
N. ALISTER STREET
E. OAKS ROAD
W. COTTER AVENUE
W. BRUNDRETT AVENUE
WHITE AVENUE
N. STATION STREET
NORTH DRAINTAGE
PARKS AND RECREATION
DEPARTMENT
711 N CARANCAHUA ST., SUITE 1190
CORPUS CHRISTI, TEXAS 78401-0599
TEL. (361) 400-4600
TBPELS FIRM F#-312
PORT ARANSAS, TX
1. Elevation of the 1% annual chance flood as identified by the Federal Emergency Management Agency, National Flood Insurance Program, as shown on map no. 48355C0385G, effective date October 13, 2022.

2. The determined base flood elevation is the water surface elevation of the 1% annual chance flood as identified by the Federal Emergency Management Agency, National Flood Insurance Program, as shown on map no. 48355C0385G, effective date October 13, 2022.


4. Integrated values used for the rational method calculations to determine runoff were derived from the city's site section iii, determination of the storm runoff, item d. Rainfall intensity.

5. Time of concentration (T) of ten (10) minutes was utilized.

6. The runoff computations shown were derived from the city's site section iv, determination of storm runoff, item c. Runoff coefficient (C) values.

7. The drainage calculations shown on this sheet were completed using the rational method.

8. The drainage calculations shown on this sheet were completed using the rational method.

9. Only the 1-year storm event was analyzed for this project.

10. Only the 1-year storm event was analyzed for this project. The city of Port Aransas storm drainage design manual.

11. The impervious cover for this proposed site appears to be less than the previous site's impervious cover, which included a parking lot and a building. No up-sizing of existing storm water lines is proposed.

12. The impervious cover for this proposed site appears to be less than the previous site's impervious cover, which included a parking lot and a building. No up-sizing of existing storm water lines is proposed.
NOTES:

1. THE CONTRACTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN COMPLIANCE WITH THE RULES AND REGULATIONS.

2. EROSION CONTROL LOG SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.

3. ONCE CONSTRUCTION IS COMPLETE, EROSION CONTROL LOGS SHALL BE REMOVED.

4. THE CONTRACTOR SHALL CLEAN UP SPOILS THAT MIGRATE ONTO ALL ROADS, PRIVATE AND PUBLIC, A MINIMUM OF ONCE DAILY.

5. AREAS OF WORK SHALL BE PROTECTED FROM TRAFFIC DURING CONSTRUCTION.

6. ANY DIRT, MUD, ROCKS, DEBRIS, ETC. THAT IS SPILLED, TRACKED, OR OTHERWISE DEPOSITED ON ANY EXISTING PAVED STREETS SHALL BE CLEANED UP IMMEDIATELY.

7. TRUCKS SHALL NOT BLOCK LANES OF TRAFFIC AT ANY TIME.

8. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY INSPECTOR AT TIME OF CONSTRUCTION.

9. CONTRACTOR SHALL DETERMINE THE LOCATION OF THE STABILIZED CONSTRUCTION ENTRANCES AND CEMENT WASHOUT PITS.

10. WASHOUT PITS SHALL BE LOCATED TO ALL STATE, FEDERAL, AND LOCAL ENVIRONMENTAL REGULATIONS FOR EROSION AND SEDIMENT CONTROLS. FOR GUIDELINES, REFER TO TECHNICAL SPECIFICATIONS.
STABILIZED CONSTRUCTION ENTRANCE

1. 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 PUMP TRUCK
   PER DAY.

2. IN THE EVENT THAT THE CONCRETE TRUCK WASHOUT IS CONSTRUCTED ABOVE GROUND, IT SHALL
   BE 10 FEET WIDE AND 10 FEET LONG 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 OVERLAP THE TOP OF THE
   CONTAINMENT AREA AND BE WRAPPED AROUND THE GRAVEL BAGS, CONCRETE BLOCKS OR OPEN
   GRADED ROCK AT LEAST TWO TIMES.

6. 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.

7. THE WASHOUT MATERIAL IN THE CONTAINMENT AREA SHALL NOT EXCEED 50% OF CAPACITY AT
   ANY ONE TIME.

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 BEFORE THE
   NEXT USE.

GENERAL NOTES:

1. EROSION CONTROL LOGS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND AS DIRECTED BY
   THE ENGINEER.

2. LENGTHS OF EROSION CONTROL LOGS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND AS DIRECTED FOR
   THE RESTORE MATERIAL.

3. UNLESS OTHERWISE DIRECTED, USE BID SETTED MATERIAL ONLY WHERE LOG WILL REMAIN IN PLACE AS PART OF A VEGETATIVE SYSTEM.
   FOR TEMPORARY INSTALLATIONS, USE REMOVABLE CONTAINMENT MATERIAL.

4. FRAME MATERIAL SHALL BE INCLUDED FOR FRAME MATERIAL TO ADVISE THE MINIMUM COMPACTED DIAMETER SPECIFIEDS IN THE PLANS WITHOUT EXCESSIVE
   DEFORMATION.

5. STAKES SHALL BE 2' X 2' HOOD OR #3 REBAR, 2" - 4" LONG, EMBEDDED SUCH THAT 2" PROTRUDES ABOVE LOG, OR AS DIRECTED BY
   THE ENGINEER.

6. DO NOT PLANT STAKES THROUGH CONTAINMENT MATERIAL.

7. COMPACTABLE MATERIAL IS INCIDENTAL & MAY NOT BE USED FOR PERMANENT INSTALLATION.

8. SANDBAGS USED AS ANCHORS SHALL BE PLACED ON TOP OF LOGS & SHALL BE OF SUITABLE
   SIZE TO HOLD LOG IN PLACE.

9. TANGLE THE END OF EACH ROW OF LOGS UPWARD TO PREVENT RUNOFF FROM FLOWING AROUND THE
   LOG.

10. FOR HEAVY RUNOFF EVENTS, ADDITIONAL UPSTREAM STAKES MAY BE NEEDED TO KEEP LOG FROM FOLDING IN ON ITSELF.

CONCRETE / PAVEMENT WASHOUT CUTOVER

TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES

EROSION CONTROL LOG STAKES

EC (9) -16

DATE: March 8, 2024
TIME: 6:27 PM
USER: ah4853

COMMUNITY CENTER PARK EXPANSION
PARKS AND RECREATION DEPARTMENT
PORT ARANSAS, TX
711 N CARANCAHUA ST., SUITE 1190, CORPUS CHRISTI, TEXAS 78401-0599
TEL. (361) 400-4600

AVO: 46201.004

FILE NAME: A:\46000s\46201\004\LD\CADD\Sheets\C-PLAN-EROS-46201.004.dwg

10% BID SET


SHEET 1 OF 3
EROSION CONTROL LOG AT DROP INLET

EROSION CONTROL LOG AT CURB INLET

EROSION CONTROL LOG AT CURB & GRADE INLET

NOTE:
EROSION CONTROL LOGS USED AT CURB INLETS
SHOULD ONLY BE USED IF THEY WILL NOT IMPED
TRAFFIC OR FLOOD THE ROADWAY OR WHEN THE
STORM SEWER SYSTEM IS NOT FULLY FUNCTIONAL.
PLANTING NOTES

1. PROVIDE OWNERS, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PLAcing THE SITE PRIOR TO SUBMITTING BID PROPOSAL. TO BECOME FAMILIAR WITH ALL CONDITIONS AFFECTING THE PROPERTY, THE LANDSCAPE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING BID PROPOSAL TO REVIEW THE SITE AND DETERMINE THE EXTENT OF EXISTING CONDITIONS. IN BID PROPOSAL, FURNISH UNIT PRICE PER CUBIC YARD OF PREPARED SOIL MIX. SUBMIT SAMPLE FOR REVIEW AND APPROVAL OF OWNER'S REPRESENTATIVE PRIOR TO EXCAVATION. PROVIDING A COPY OF THE SITE PLAN AND/OR DRAWING TO THE OWNER PRIOR TO SUBMITTING BID PROPOSAL IS RECOMMENDED TO AVOID COSTLY ERRORS. FOLLOWING EXCAVATION, PROVIDE A COPY OF THE EXCAVATION DRAWING TO THE OWNER PRIOR TO GRADING TO ASSIST THE OWNER IN TRACKING THE LIMITS OF EXCAVATION.

2. ALL EXISTING UTILITIES, INCLUDING MUST BE IDENTIFIED AND REVIEWED PRIOR TO EXCAVATION. PROVIDE A COPY OF THE EXCAVATION DRAWING TO THE OWNER PRIOR TO GRADING TO ASSIST THE OWNER IN TRACKING THE LIMITS OF EXCAVATION.

3. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND UPDATING THE SITE PLAN PRIOR TO SUBMITTING BID PROPOSAL. PROVIDE A COPY OF THE SITE PLAN AND/OR DRAWING TO THE OWNER PRIOR TO GRADING TO ASSIST THE OWNER IN TRACKING THE LIMITS OF EXCAVATION.

4. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A SITE PLAN PRIOR TO SUBMITTING BID PROPOSAL. PROVIDE A COPY OF THE SITE PLAN AND/OR DRAWING TO THE OWNER PRIOR TO GRADING TO ASSIST THE OWNER IN TRACKING THE LIMITS OF EXCAVATION.

5. PLANTING INSTALLATION. PRIOR TO COMMENCING WORK, ENTIRE SITE SHALL BE GRADED TO FINISH GRADE PRIOR TO SCHEDULING PLANTING INSTALLATION. CONSIDER THE HISTORY OF THE SITE AND PREVIOUS LANDSCAPING IN ORDER TO PROVIDE THE OWNER WITH A REASONABLE SERVICE LIFE. PLANTS SHALL BE INSTALLED ACROSS GRADES (INCLINES) TO PREVENT SOIL EROSION. GROWTH AND DEVELOPMENT. MAINTENANCE SHALL INCLUDE THE REPLACEMENT OF ALL DEAD PLANT MATERIALS.

6. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A SITE PLAN PRIOR TO SUBMITTING BID PROPOSAL. PROVIDE A COPY OF THE SITE PLAN AND/OR DRAWING TO THE OWNER PRIOR TO GRADING TO ASSIST THE OWNER IN TRACKING THE LIMITS OF EXCAVATION.

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REFERENCE NOTES SCHEDULE

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<tr>
<th>SYMBOL</th>
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<tbody>
<tr>
<td>A</td>
<td>CONCRETE SIDEWALK</td>
</tr>
<tr>
<td>B</td>
<td>CONCRETE PAVING</td>
</tr>
<tr>
<td>C</td>
<td>SHORE STRUCTURES</td>
</tr>
<tr>
<td>D</td>
<td>SHORE HOOK</td>
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<tr>
<td>E</td>
<td>NEW SIDEWALK (REFER TO CIVIL)</td>
</tr>
<tr>
<td>F</td>
<td>LITOF ROOF PLANTING</td>
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<tr>
<td>G</td>
<td>LIMITS OF ROOF PLANTING</td>
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<tr>
<td>H</td>
<td>NEW CURB (REFER TO CIVIL)</td>
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<tr>
<td>I</td>
<td>NEW CURB CEMENTED BASE LOCATION</td>
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<tr>
<td>J</td>
<td>VARYING EVAL. (REFER TO CIVIL)</td>
</tr>
<tr>
<td>K</td>
<td>STAGE AND BANDSTAND</td>
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<td>L</td>
<td>ACCESSIBLE SIGNAGE (REFER TO CIVIL)</td>
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<tr>
<td>M</td>
<td>DECORATIVE CONCRETE PATTERN</td>
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<tr>
<td>N</td>
<td>PROPOSED CONSTRUCTION EASEMENT (REFER TO CIVIL)</td>
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<tr>
<td>O</td>
<td>REPAIRED ASPHALT (REFER TO CIVIL)</td>
</tr>
<tr>
<td>P</td>
<td>STOP SIGN (REFER TO CIVIL)</td>
</tr>
<tr>
<td>Q</td>
<td>DO NOT BLOCK SIGN (REFER TO CIVIL)</td>
</tr>
<tr>
<td>R</td>
<td>GALVANIZED STEEL HANDRAIL</td>
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SITE DETAIL KEYNOTE LEGEND

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<tr>
<td>X</td>
<td>CONCRETE PAVING</td>
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<tr>
<td>Y</td>
<td>KEYNOTE (SYSTEM) ITEM</td>
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<tr>
<td>Z</td>
<td>KEYNOTE CALL-OUT</td>
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<td>[ ]</td>
<td>PRIMARY DETAIL REFERENCE NUMBER AND SHEET</td>
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DATE: March 13, 2024
TIME: 3:30 PM

FILE NAME: L1.00
A:\46000s\46201\003\LA\CADD\Sheets\L-PLAN-SITE-46201.dwg

DRAWING IS ON FILE AT THE OFFICES OF HALFF ASSOCIATES, INC., 4000 FOSSIL CREEK BLVD. FORT WORTH, TX 76137-2720.

ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER AUTHORIZATION IS AN OFFENSE UNDER TITLE 22, TEXAS ADMINISTRATIVE CODE, CHAPTER 3 LANDSCAPE ARCHITECTS. THE RECORD COPY OF THIS DOCUMENT WAS AUTHORIZED BY LAYNE J. OLIVO, R.L.A. #2070 ON 7 AUG 2020.
NOTES:
1. CONTRACTOR TO STAKE TREE LOCATION FOR OWNER AND LANDSCAPE ARCHITECT APPROVAL PRIOR TO INSTALLATION.
2. SET TREE SO THAT TOP OF ROOTBALL IS FLUSH WITH FINISHED GRADE.
3. SAUCERS TO BE CIRCULAR IN SHAPE AND CONSISTENT IN SIZE. SLOPE SIDES TO GENTLE, UNIFORM PROFILE.
4. DIG PIT WITH TAPERED SIDES SO THAT TOTAL WIDTH AT TOP IS 3 TIMES ROOTBALL DIAMETER.
5. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.

A = ROOT BALL HEIGHT
B = ROOT BALL WIDTH

1. SINGLE-TRUNK TREE WITH STAPLES
2. DUNE CONSTRUCTION DETAIL
3. PALM PLANTING AND STAKING
4. SHRUB PLANTING DETAIL
5. ORNAMENTAL GRASS
6. CONCRETE MOW STRIP

LEGEND
1. SAND MIX / OTHER PLANTS
2. CONCRETE MOW STRIP
3. SLOPE VALUES BETWEEN 2.5:1 AND 4:1
4. COMPRESSED FILM
5. DUNE SOIL MIX
6. GRAB TO DRAIN TO STREET

---

CONCRETE, 5 SACK MIX AT 2500 PSI. 
COMPACTED SUBGRADE TO 95% MAX.
#3 REBAR CONTINUOUS. OVERLAP
TOODED OR SAW CUT CONTROL
TOGGLE OR SAW CUT CONTROL

---

MARK THE NORTH SIDE OF THE TREE TO THE SUBGRADE AND ROOTBALL TO FACE NORTH AT THE SITE.

---

CENTRAL LANDING (DO NOT PRUNE)
DRY BALL HEIGHT

---

LIMES OF DigGING WITH WARNERS
OR OTHER HEAVY EQUIPMENT
HANDED

---

PLACE ROOT BALL ON UNDISTURBED SOIL

---

REFERENCE SHEETS

---

SAUCERS TO BE CIRCULAR IN SHAPE AND CONSISTENT IN SIZE. SLOPE SIDES TO GENTLE, UNIFORM PROFILE.
## Plant Schedule

### TREES

<table>
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<tr>
<th>SYMBOL</th>
<th>QTY</th>
<th>BOTANICAL / COMMON NAME</th>
<th>CONT</th>
<th>HT</th>
<th>SPD</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>5</td>
<td>Quercus virginiana / Southern Live Oak</td>
<td>2 gal</td>
<td>1<code>-2</code> Ht</td>
<td>6<code>-8</code> Spd</td>
<td>5 gal</td>
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### SHRUBS

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<th>SPD</th>
<th>REMARKS</th>
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</thead>
<tbody>
<tr>
<td>02</td>
<td>3</td>
<td>Ambrosia psilostachya / Narrowleaf Willow</td>
<td>3 gal</td>
<td>6&quot;-12&quot; Ht</td>
<td>6&quot;-12&quot; Spd</td>
<td>3 gal</td>
</tr>
<tr>
<td>03</td>
<td>2</td>
<td>Chasmanthium latifolium / Inland Sea Oats</td>
<td>2 gal</td>
<td>2` SPD. MIN.</td>
<td>1<code>-3</code> HT. MIN.</td>
<td>3 gal</td>
</tr>
<tr>
<td>04</td>
<td>2</td>
<td>Dalea frutescens / Black Dalea</td>
<td>3 gal</td>
<td>1<code>-3</code> Ht</td>
<td>7<code>-8</code> Spd</td>
<td>3 gal</td>
</tr>
<tr>
<td>05</td>
<td>2</td>
<td>Dalea greggii / Gregg's Dalea</td>
<td>2 gal</td>
<td>2` SPD. MIN.</td>
<td>2` Ht. MIN.</td>
<td>3 gal</td>
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<tr>
<td>06</td>
<td>1</td>
<td>Dalea greggii / Betony Leaf Thoroughwort</td>
<td>5 gal</td>
<td>1<code>-3</code> Ht</td>
<td>7<code>-8</code> Spd</td>
<td>3 gal</td>
</tr>
<tr>
<td>07</td>
<td>1</td>
<td>Dalea frutescens / Black Dalea</td>
<td>3 gal</td>
<td>2` SPD. MIN.</td>
<td>1<code>-3</code> HT. MIN.</td>
<td>3 gal</td>
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### BORDERS PLANTING

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<tbody>
<tr>
<td>08</td>
<td>5</td>
<td>Arctotis palmeri / Palmer’s Paintbrush</td>
<td>2 gal</td>
<td>1<code>-3</code> Ht</td>
<td>1<code>-3</code> Spd</td>
<td>3 gal</td>
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<tr>
<td>09</td>
<td>5</td>
<td>Ageratum houstonianum / Mexican Hat Flower</td>
<td>2 gal</td>
<td>1<code>-3</code> Ht</td>
<td>6<code>-8</code> Spd</td>
<td>3 gal</td>
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<tr>
<td>10</td>
<td>5</td>
<td>Calliandra calothyrsus / Bullhorn Pea</td>
<td>2 gal</td>
<td>1<code>-3</code> Ht</td>
<td>7<code>-8</code> Spd</td>
<td>3 gal</td>
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<tr>
<td>11</td>
<td>5</td>
<td>Coreopsis lanceolata / Lanceleaf Tickseed</td>
<td>2 gal</td>
<td>1<code>-3</code> Ht</td>
<td>8&quot;-12&quot; Spd</td>
<td>3 gal</td>
</tr>
<tr>
<td>12</td>
<td>5</td>
<td>Dalea frutescens / Black Dalea</td>
<td>2 gal</td>
<td>1<code>-3</code> Ht</td>
<td>7<code>-8</code> Spd</td>
<td>3 gal</td>
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### GROUND COVERS

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>QTY</th>
<th>BOTANICAL / COMMON NAME</th>
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<th>HT</th>
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<tr>
<td>13</td>
<td>5</td>
<td>Coreopsis lanceolata / Lanceleaf Tickseed</td>
<td>1 gal</td>
<td>1<code>-3</code> Ht</td>
<td>6&quot;-8&quot; Spd</td>
<td>3 gal</td>
</tr>
<tr>
<td>14</td>
<td>5</td>
<td>Euphorbia marginata / Spurge</td>
<td>1 gal</td>
<td>1<code>-3</code> Ht</td>
<td>12&quot;-15&quot; Spd</td>
<td>3 gal</td>
</tr>
<tr>
<td>15</td>
<td>5</td>
<td>Liriope spicata / False Solomon's Seal</td>
<td>1 gal</td>
<td>1<code>-3</code> Ht</td>
<td>6&quot;-8&quot; Spd</td>
<td>3 gal</td>
</tr>
<tr>
<td>16</td>
<td>5</td>
<td>Smilax rotundifolia / Greenbrier</td>
<td>1 gal</td>
<td>1<code>-3</code> Ht</td>
<td>6&quot;-8&quot; Spd</td>
<td>3 gal</td>
</tr>
</tbody>
</table>
NOTE: ELEVATIONS SHOWN TO COMMUNICATE DESIGN, AESTHETIC AND DESIRED MATERIALS.
CONTRACTOR TO SUBMIT ENGINEERED SHOP DRAWINGS SHOWING STRUCTURAL DESIGN THAT
CONFORMS TO LOCAL CODES FOR SHADE STRUCTURE AND CONCRETE DECK.

1) GALVANIZED STEEL TUBE 1-2/3" DIA. X 5/64". 15 LF TOTAL
2) GALVANIZED STEEL TUBE 1-2/3" DIA. X 5/64". 15 LF TOTAL
3) GALVANIZED STEEL HANDRAIL SUPPORT, SPACED EVENLY EVERY 5' MAX O.C. 2-3/4" DIA. X 1/2" DIA.

NOTE: SHOWN TO COMMUNICATE DESIGN, AESTHETIC AND DESIRED MATERIALS.
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CONCRETE DECK
BAND SHELL BACKDROP
2' x 2' BAND SHELL POST
CONCRETE DECK
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2' x 2' BAND SHELL POST
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1. SHADE STRUCTURE - FRONT SECTION

2. SHADE STRUCTURE - SIDE ELEVATION

3. SHADE STRUCTURE - PLAN

14'-0"  11'-8"  8'-2"  3'-6"

10'-0"  15'-0"

1'x1' DOUGLAS FIR POST

CONTRACTOR TO SUBMIT ENGINEERED SHOP DRAWINGS SHOWING STRUCTURAL DESIGN THAT CONFORMS TO LOCAL CODES FOR SHADE STRUCTURE AND CONCRETE DECK.

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