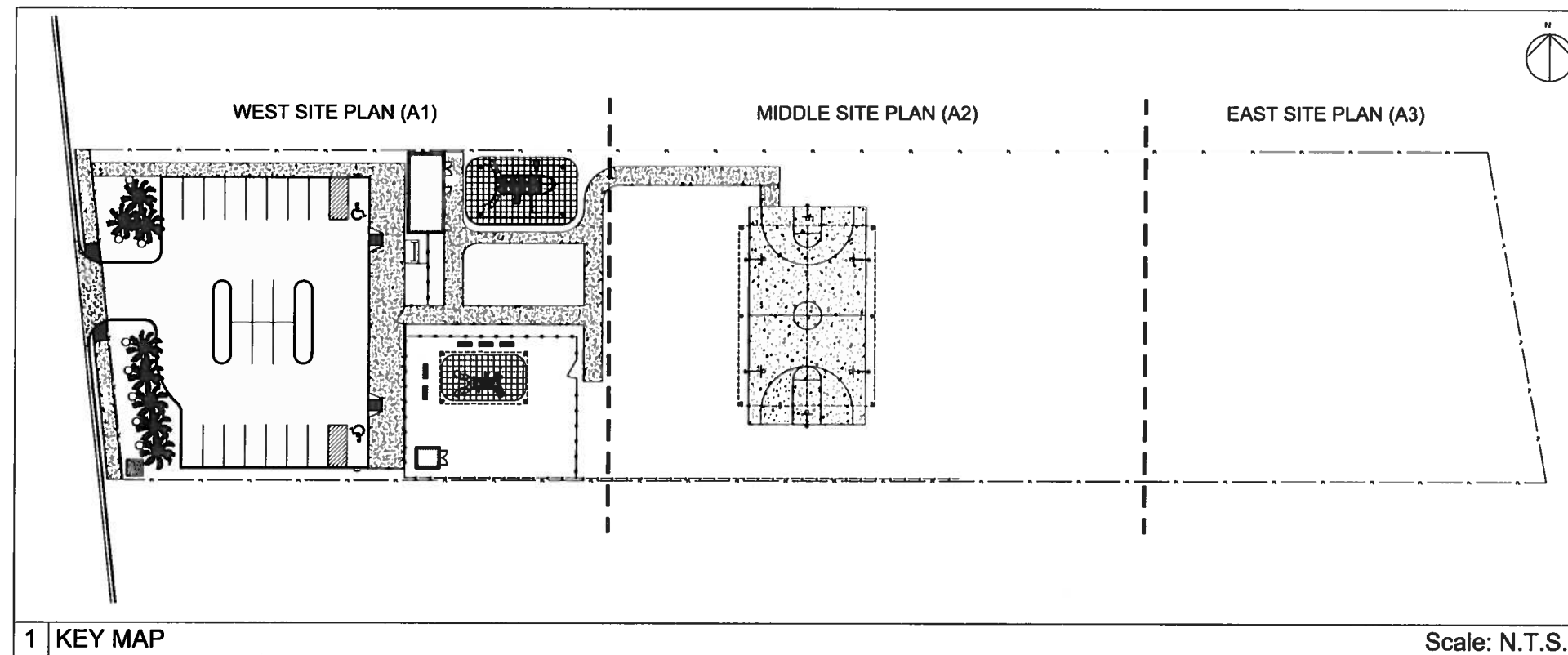


# JOHN L TOMPKINS PARK

6100 PADRE BLVD.  
SOUTH PADRE ISLAND, TEXAS



## TABLE OF CONTENTS

### COVERSHEET

#### ARCHITECTURAL

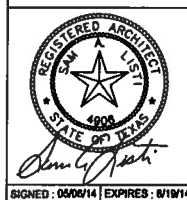
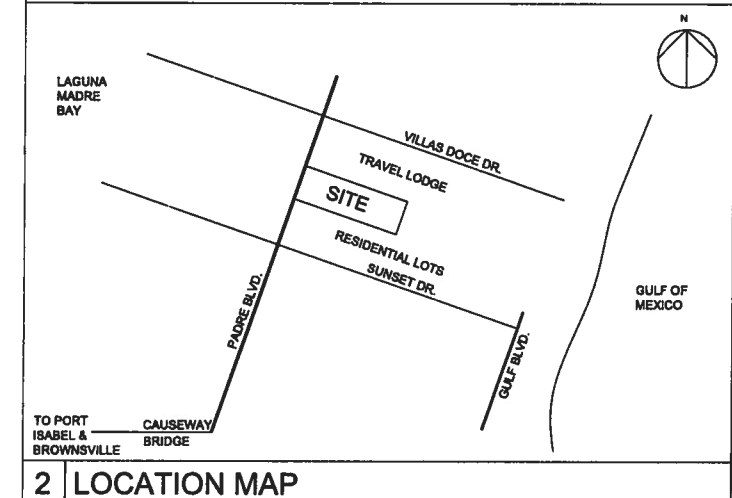
ADA1	ACCESSIBILITY NOTES
ADA2	ACCESSIBILITY NOTES
A1	WEST SITE PLAN
A2	MIDDLE SITE PLAN
A3	EAST SITE PLAN
A4	TOILET BUILDING
A5	POOL BUILDING
A6	BENCHES / OTHER DETAILS
A7	DETAILS / SAILS
A8	PLAY EQUIPMENT
A9	SPLASHPAD

#### CIVIL

C1	TOPOGRAPHY
C2	HORIZONTAL CONTROL PLAN
C3	UTILITY PLAN
C4	SEWER PLAN
C5	WEST GRADING PLAN
C6	MIDDLE GRADING PLAN
C7	EAST GRADING PLAN
C8	DETAILS
C9	SANITARY SEWER DETAILS
C10	STORM WATER POLLUTION PREVENTION

#### M.E.P.

MEP1	MEP SITE PLAN
MP1	MECHANICAL / PLUMBING PLAN
MP2	MECHANICAL / PLUMBING PLAN
E1	ELECTRICAL NOTES
E2	ELECTRICAL PLANS
E3	ELECTRICAL SCHEDULES



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SECTION 4.3 ACCESSIBLE ROUTE

4.3.2 LOCATION

1. AT LEAST ONE ACCESSIBLE ROUTE WITHIN THE BOUNDARY OF THE SITE SHALL BE PROVIDE FROM PUBLIC TRANSPORTATION STOPS. ACCESSIBLE PARKING, ACCESSIBLE PASSENGER LOADING ZONES, AND PUBLIC STREETS OR SIDEWALKS TO THE ACCESSIBLE BUILDING ENTRANCE THEY SERVE. THE ACCESSIBLE ROUTE SHALL TO THE MAX. EXTENT TO COINCIDE WITH THE ROUTE FOR THE GENERAL PUBLIC UNLESS THAT ROUTE WOULD VIOLATE 4.3.2 (5)
2. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDINGS, FACILITIES, ELEMENTS, AND SPACES THAT ARE ON THE SAME SITE.
3. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDINGS, OR FACILITY ENTRANCES WITH ALL ACCESSIBLE SPACES AND ELEMENTS WITHIN THE BUILDING AND FACILITY.
4. ACCESSIBLE ROUTES SHALL BE LOCATED SO THAT USERS ARE NOT REQUIRED TO WALK WHEEL BEHIND PARK VEHICLES (EXCEPT THE ONE THEY OPERATE OR IN WHICH THEY ARE PASSENGER) OR IN TRAFFIC LANES

4.3.3 WIDTH

THE MIN. CLEAR WIDTH OF AN ACCESSIBLE ROUTE SHALL BE 36" EXCEPT AT DOORS

4.3.4 PASSING SPACE

THE MIN. CLEAR WIDTH OF AN ACCESSIBLE ROUTE HAS LESS THAN 60" CLEAR WIDTH, THEN PASSING SHALL AT LEAST 80"x80" SHALL BE LOCATED AT REASONABLE INTERVALS NOT TO EXCEED 200'-0" AT INTERSECTION OF TWO CORRIDORS OR WALKS IS AN ACCEPTABLE PASSING PLACE

4.3.5 SURFACE TEXTURE

THE SURFACE OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH 4.5

4.3.7 SLOPE

THE ACCESSIBLE ROUTE WITH A RUNNING SLOPE GREATER THEN 5% OR 1:20 IS A RAMP AND SHALL COMPLY WITH REQUIREMENTS FOR A RAMP SECTION 4.8. NOWHERE SHALL CROSS SLOPE OF AN ACCESSIBLE ROUTE EXCEED 2% OR 1:50

4.3.8 CHANGES IN LEVELS

CHANGES IN LEVELS ALONG AN ACCESSIBLE ROUTE SHALL COMPLY WITH SECTIONS 4.5.2 IF AN ACCESSIBLE ROUTE HAS CHANGES IN LEVEL GREATER THAN 1/2" THAN A CURB RAMP, OR ELEVATOR OR PLATFORM LIFT SHALL BE PROVIDE AN ACCESSIBLE ROUTE DOES NOT INCLUDE STAIR, STEPS, OR ESCALATORS.

4.5.1 GENERAL

GROUND AND FLOOR SURFACES ALONG ACCESSIBLE ROUTES AND IN ACCESSIBLE ROOMS SPACE INCLUDING FLOORS, WALKS, RAMPS, STAIRS AND CURB RAMPS. SHALL BE STABLE, FIRM, AND SLIP RESISTANT, AND SHALL COMPLY WITH SECTION 4.5. SOFT OR LOOSE MATERIAL: SUCH AS SAND, GRAVEL, BARK MULCH, OR WOOD CHIPS ARE NOT SUITABLE, COBBLESTONE AND OTHER IRREGULAR SURFACE HAVING A TEXTURE THAT CONSTITUTES AND OBSTACLE OR HAZARD SUCH AS IMPROPERLY LAID FLAGSTONE, SHALL NOT BE PART OF ACCESSIBLE ROUTES, SPACES, AND ELEMENTS.

4.5.2 CHANGES ON LEVELS

CHANGES IN LEVEL UP TO 1/4" MAY BE VERTICAL AND WITHOUT EDGE TREATMENT CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BEVELED WITH A SLOPE NO GREATER THAN 1:2 CHANGES IN LEVEL GREATER THAN 1/2" SHALL BE ACCOMPLISHED BY MEANS OF A RAMP WITH A SLOPE NO GREATER THAN 1:12 AND COMPLIES WITH SECTION 4.7 OR 4.8

4.6 PARKING AND PASSENGER LOADING ZONES

4.6.3 PARKING SPACES

ACCESSIBLE PARKING SPACES SHALL BE AT LEAST 36" WIDE. PARKING ACCESS AISLES SHALL BE PART OF AN ACCESSIBLE ROUTE TO THE BUILDING OR FACILITY ENTRANCE SHALL COMPLY WITH 4.3 TWO ACCESSIBLE PARKING SPACES MAY SHARE A COMMON AISLE. PARKING VEHICLE OVERHANGS SHALL NOT REDUCE THE THE CLEAR WIDTH OF AN ACCESSIBLE ROUTE. PARKING SPACES AND ACCESS AISLE SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 2% OR 1:50 IN ALL DIRECTIONS

4.6.4 SIGN

EACH ACCESSIBLE PARKING SPACE SHALL BE DESIGNATED BY VERTICALLY MOUNTED OR SUSPENDED SIGN SHOWING THE SYMBOL OF ACCESSIBILITY (SEE 4.30.7) SPACES COMPLYING WITH 4.12 (5) (8) SHALL HAVE AN ADDITIONAL SIGN "VAN ACCESSIBLE" MOUNTED BELOW THE SYMBOL OF ACCESSIBILITY.

CHARACTERS AND SYMBOLS ON SUCH SIGNS SHALL BE LOCATED 80" MIN. ABOVE THE GROUND FLOOR, OR PAVING SURFACE SO THEY CANNOT BE OBSDRED BY A VEHICLE PARKED IN THE SPACE

SIGNS LOCATED WITHIN THE ACCESSIBLE ROUTE SHALL COMPLY WITH 4.2.2

CHARACTERS AND SYMBOL ON OVERHEAD SIGNS SHALL COMPLY WITH 4.30.3

4.7 CURB RAMPS

4.7.1 LOCATION

CURB RAMPS COMPLYING WITH 4.7 SHALL BE PROVIDED WHEREVER AN ACCESSIBLE ROUTE CROSSES A CURB

4.7.2 SLOPE

SLOPES OF CURB RAMPS COMPLY WITH 4.8.2 THE SLOPE SHALL BE MEASURED AS SHOWN IN FIG. 11. TRANSITIONS FROM RAMPS TO WALKS, GUTTERS OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES. MAX. SLOPES OF ADJOINING GUTTERS, ROAD SURFACE, IMMEDIATELY ADJACENT TO THE CURB RAMP OR ACCESSIBLE ROUTE SHALL NOT EXCEED

4.7.3 WIDTH

THE MIN. WIDTH OF CURB RAMP SHALL BE 36" EXCLUSIVE OF FLARED SIDES

4.7.4 SURFACES

SURFACES OF CURB RAMPS SHALL COMPLY WITH 4.5

TEXTURES SHALL CONSIST OF EXPOSED CRUSH STONE AGGREGATE ROUGHENED CONC. RUBBER, RAISED ABRASIVE STRIPS OR GROOVES EXTENDING THE FULL WIDTH AND DEPTH OF THE CURB RAMP. SURFACE THAT ARE RAISED, ETCHED, OR GROOVED IN A WAY THAT WOULD ALLOW WATER TO ACCUMULATE ARE PROHIBITED

FOR PURPOSES OF WARNING, THE FULL WIDTH AND DEPTH OF CURB RAMPS SHALL HAVE REFLECTED VALUE AND TEXTURE THAT SIGNIFICALLY CONTRAST WITH THAT OF ADJOINING PEDESTRIAN ROUTES

4.7.5 SIDES OF CURB RAMPS

IF A CURB IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP OF WHERE IT IS NOT PROTECTED BY HANDRAILS. IT SHALL HAVE FLARED SIDES, THE MAX. SLOPE OF THE FLARE SHALL BE 1:10 CURB RAMPS WITH RETURNED CURBS MAY BE USED WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP

4.7.6 BUILT UP CURB RAMPS

BUILT UP CURB RAMPS SHALL SHALL BE LOCATED TO THAT DO NOT PROJECT INTO VEHICULAR TRAFFIC LANES OR INTO SPACES THAT WOULD NOT INTERFERE WITH PERSONS ENTERING OR EXITING PARKED OR STANDING VEHICLES

SECTION 4.2.4 SINKS

4.24.1 GENERAL

SINKS REQUIRED TO BE ACCESSIBLE BY 4.1 SHALL COMPLY WITH 4.24

4.24.2 HEIGHT

SINKS SHALL BE MOUNTED WITH THE COUNTER OR RIM NO HIGHER THAN 34" AFF.

4.24.3 KNEE CLEARANCE

KNEE CLEARANCE THAT IS AT LEAST 27" HIGH 30" WIDE 19" DEEP SHALL BE PROVIDED UNDERNEATH SINKS

4.24.5 CLEAR ROOF SPACE

A CLEAR ROOF SPACE AT LEAST 30" BY 48" COMPLYING WITH 4.24 SHALL BE PROVIDED IN FRONT OF A SINK TO ALLOW FORWARD APPROACH. SINKS INSTALLED IN ALCOVES LESS THAN 24" REQUIRE ADDITIONAL MANEUVERING AREA. THE CLEAR FLOOR SPACE SHALL BE OF AN ACCESSIBLE ROUTE AND SHALL EXTEND A MAX. OF 18" UNDERNEATH THE SINK

4.24.6 EXPOSED PIPES AND SURFACES

HOT WATER AND DRAIN PIPES EXPOSED UNDER SINKS SHALL BE INSULATED OR OTHER CONFIGURED SO AS TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARPE OR ABRASIVE SURFACES UNDER SINKS

4.24.7 FAUCETS

FAUCETS SHALL COMPLY WITH 4.27.4 LEVER OPERATED, PUSH TYPE, OR ELECTRICALLY CONTROLLED MECHANISMS ARE ACCESSIBLE DESIGNS

SECTION 4.26 HANDRAIL, GRAB BARS, AND TUB AND SHOWER SEAT

4.26.1 GENERAL

ALL HANDRAILS GRAB BARS, AND TUB AND SHOWER SEATS REQUIRED TO BE ACCESSIBLE BY 4.1, 4.8, 4.9, 4.16, 4.17, 4.20, OR 4.21 SHALL COMPLY WITH 4.26

4.26.2 SIZE AND SPACING OF GRAB BARS AND HANDRAILS

THE NORMAL DIA OR WIDTH OF THE GRIPPING SURFACES OF HANDRAIL OR GRAB BAR SHALL PROVIDE AN EQUIVALANT GRIPPING SURFACE. IF HANDRAILS OR GRAB BARS MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1 1/2". HAND RAILS MAY BE LOCATED IN A RECESS IF THE RECESS IS A MAX. OF 3" DEEP AND EXTENDS AT LEAST 18" ABOVE THE TOP OF THE RAIL

4.26.3 STRUCTURAL STRENGTH

THE STRUCTURAL STRENGTH OF GRAB BARS TUB AND SHOWER SEATS, FASTENER, AND MOUNTING DEVICES SHALL MEET THE FOLLOWING SPECS.

1. BENDING STRESS IN A GRAB BAR OR SEAT INDUCED NY THE MAX. BENDING MOMENT FROM THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT

1. SHEAR STRESS IN IN A GRAB BAR OR SEAT BY THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE SHEAR STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT. IF THE CONNECTION BETWEEN THE GRAB BAR OR SEAT AND ITS MOUNTING BRACKET OR OTHER SUPPORT IS CONSIDERED TO BE FULLY RESTRAINED, THEN DIRECT AND TORSIONAL SHEAR STRESSES SHALL BE TOTALED FOR THE COMBINED SHEAR STRESS WHICH SHALL NOT EXCEED THE ALLOWABLE

3. SHEAR FORCE INDUCED IN A FASTENER OR MOUNTING DEVICE FROM THE APPLICATION OF 250 LBF SHALL BE LESS THAN ALLOWABLE LATERAL LOAD OF EITHER THE FASTENER OR MOUNTING DEVICE OR THE SUPPORTING STRUCTURE, WHATEVER IS THE A SMALLER ALLOWABLE LOAD

4. TENSILE FORCED INDUCED IN A FASTENER BY A DIRECT TENSION FORCE OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE LATERAL LOAD OF EITHER THE FASTENER OR MOUNTING DEVICE OR THE SUPPORTING STRUCTURE

5. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS

4.26.4 ELIMINATING HAZARDS

A HANDRAIL OR GRAB BAR AND ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF AY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MIN. RADIUS 1/8"

4.30 SIGNAGE

4.30.1 SIGNAGE REQUIRED TO BE ACCESSIBLE BY 4.1 SHALL COMPLY WITHIN THE APPLICATION PROVISION OF 4.30

4.30.2 CHARACTER PROPORTION

LETTER AND NUMBERS OF SIGNS SHALL HAVE A WIDTH TO HEIGHT RATIO BETWEEN 3.5 AND 1:1 AND STROKE WIDTH TO HEIGHT RATION BETWEEN 1:5 AND 1:10 USING UPPERCASE 'X' FOR MEASUREMENT. LOWERCASE LETTERS ARE PERMITTED

4.30.3 OVERHEAD SIGNS

CHARACTERS AND NUMBERS ON OVERHEAD SIGNS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ. TH MIN. HEIGHT IS MEASURED USING AN UPPERCASE 'X'. LOWERCASE CHARACTERS ARE PERMITTED

TABLE 5 HEIGHT ABOVE FINISH MIN. CHARACTER HT. SUSP. OR PROJECTED 3" MIN OVERHEAD IN COMPLIANCE WITH 4.2.2

4.30.4 RAISED AND BRAILLE CHARACTERS AND PICTORAL SYMBOL SIGNS

LETTERS AND NUMERALB SHALL BE RAISED 1/32" UPPERCASE SAN. SERIF TYPE AND SHALL BE ACCOMPLISHED WITH GRADE 2 BRAILLE. RAISED CHARACTERS SHALL BE AT LEAST 5/8" HIGH. NUT NO HIGHER THAN 2". PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL ENCRYPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE 6" MIN. HEIGHT

4.30.5 FINISH AND CONTRAST

THE CHARACTERS OND BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE OR OTHER NON-GLARE FINISH CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND OR DARK CHARACTERS .

4.30.6 MOUNTING LOCATION AND HEIGHT

WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL SHALL BE INSTALLED ON ADJACENT WALL TO THE LATCH SIDE OF THE DOOR INCLUDING AT DOUBLE LEAF DOORS. MOUNTING HEIGHT SHALL BE AT 60" AFF.

4.30.7 SYMBOLS OF ACCESSIBILITYT

1. FACILITIES AND ELEMENTS REQUIRED TO BE IDENTIFIED AS ACCESSIBILITY BY 4.1 SHALL USE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY

2. VOLUME CONTROL TELEPHONE

3. TEXT TELEPHONE

SECTION 4.17 TOILET STALLS

4.17.1 LOCATION ACCESSIBLE TOILET STALLS SHALL BE ON AN ACCESSIBLE ROUTE AND MEET THE REQUIREMENTS OF 4.17

4.17.2 WATER CLOSETS

WATER CLOSETS IN ACCESSIBLE STALLS SHALL COMPLY WITH 4.16

4.17.2 WATER CLOSETS

THE SIZE AND ARRAGEMENT OF THE STANDARD TOILET STALL SHALL COMPLY WITH FIGURE 30 (A) STANDARD TOILET STALLS WITH A MINIMUM DEPTH OF 58 INCHES (SEE FIGURE 30 (A)) SHALL HAVE WALL-MOUNTED WATER CLOSETS IF THE DEPTH OF A STANDARD TOILET STALL IS INCREASED AT LEAST 3 INCHES, THEN A FLOOR MOUNTED WATER CLOSET MAY BE USED ARRANGEMENTS SHOWN FOR STANDARD TOILET STALLS MAY BE REVISED TO ALLOW EITHER A LEFT-HANDED OR RIGHT-HANDED APPROACH ADDITIONAL STALLS SHALL BE PROVIDED IF IN COMFORMANCE WITH 4.22.4

4.17.4 TOE CLEARANCE

IN STANDARD STALLS THE FRONT PARTITION AND AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF AT LEAST 9 INCHES ABOVE THE FLOOR. IF THE DEPTH OF THE STALLS IS GREATER THAN 60 INCHES THEN THE TOE CLEARANCE IS NOT REQUIRED.

4.17.5 DOORS TOILET

STALL DOORS INCLUDING DOOR HARDWARE SHALL COMPLY WITH 4.13. IF TOILET STALL APPROACH IS FROM THE LATCH SIDE OF THE STALL DOOR, CLEARANCE BETWEEN THE DOOR SIDE OF THE STALL AND ANY OBSTRUCTION MAY BE REDUCED TO A MINIMUM OF 42 INCHES (FIGURE 30).

4.17.5 DOORS

TO MAKE IT EASIER FOR WHEELCHAIR USERS TO CLOSE TOILET DOORS. DOORS CAN BE PROVIDED WITH CLOSERS, SPRING HINGES, OR A PULL BAR MOUNTED ON THE INSIDE SURFACE OF THE DOOR NEAR THE HINGE SIDE.

4.17.6 GRAB BARS  
GRAB BARS COMPLYING WITH THE LENGTH AND POSITIONING SHOWN IN FIGURE 30(A), 30(B), 30(C), AND 30(D) SHALL BE PROVIDED. GRAB BAR MAY BE MOUNTED WITH ANY DESIRED METHOD AS LONG AS THEY HAVE A GRIPPING SURFACE AT THE LOCATION SHOWN AND DO NOT OBSTRUCT THE REQUIRED CLEAR FLOOR AREA. GRAB BARS SHALL COMPLY WITH 4.26

SECTION 4.19 LAVATORIES AND MIRRORS

4.19.4 EXPOSED PIPES AND SURFACES

HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THESE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

4.19.5 FAUCETS

FAUCETS SHALL COMPLY WITH 4.27.4 LEVER OPERATED, PUSH TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. IF SELF CLOSING VALVES ARE USED, THE FAUCET SHALL REMAIN OPEN FOR AT LEAST 10 SECONDS. SECTION

4.27 CONTROLS AND OPERATING MECHANISMS

4.27.2 OPERATION CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF.

THIS SHEET IS FOR INFORMATION PERTAINING TO 'ADA' REQUIREMENTS AND MAY VARY OR BE COMPLETELY DIFFERENT FROM THIS PROJECT. PLEASE VERIFY ALL CONDITIONS AND USE INFORMATION ACCORDINGLY.

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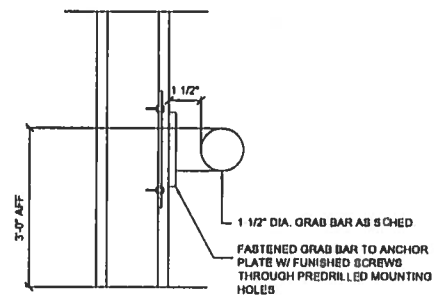
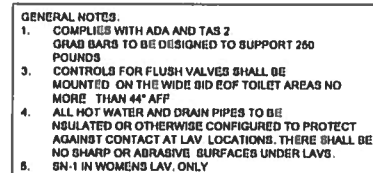
PLANS FOR CONSTRUCTION OF  
**JOHN L TOMPKINS PARK**  
IN  
SOUTH PADRE ISLAND, TEXAS

ACCESSIBILITY NOTES

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Designed by:	
Drawn by: <i>ami</i>	
Checked by: SAL	
Approved by:	
Project No.: 19060	

SHEET NO.


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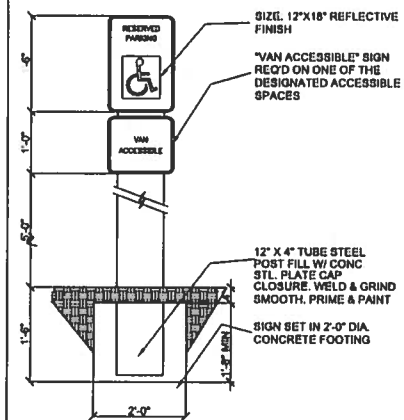


**REQUIREMENTS**  
CONTRAST AND FINISH: CONTRAST TO BE  
MIN 70% CONTRASTING BETWEEN  
BACKGROUND AND TEXT. FINISH TO BE  
MATTE, EGGSHELL, OR NON-GLARE

TEXT:  
5/8" HIGH UPPERCASE SAN SANIF  
TYPEFACE 1/32" RAISED LETTERS  
POSITIONED DIRECTLY BELOW  
PICTOGRAM

**MOUNTING HEIGHT AND LOCATION**  
TACTILE SIGNAGE USED FOR ROOM 10 SHALL BE MOUNTED ON THE WALL ON THE LATCH (STRIKE) OF DOORS AT HEIGHT OF 60" AFF OR GROUND SURFACE TO THE CENTER LINE OF THE SIGN, A DISTANCE 8" FROM DOOR JAMB

 ASI 2 1/2" SQUARE PL-1  
BACKGROUND WITH 1 3/4" WHITE  
VYNAL DIE-CUT ACCESSIBILITY  
SIGN PROVIDE AT REQUIRED  
ACCESSIBILITY LOCATIONS

 $3/8" = 1'-0"$ 

NTS

NTS

6

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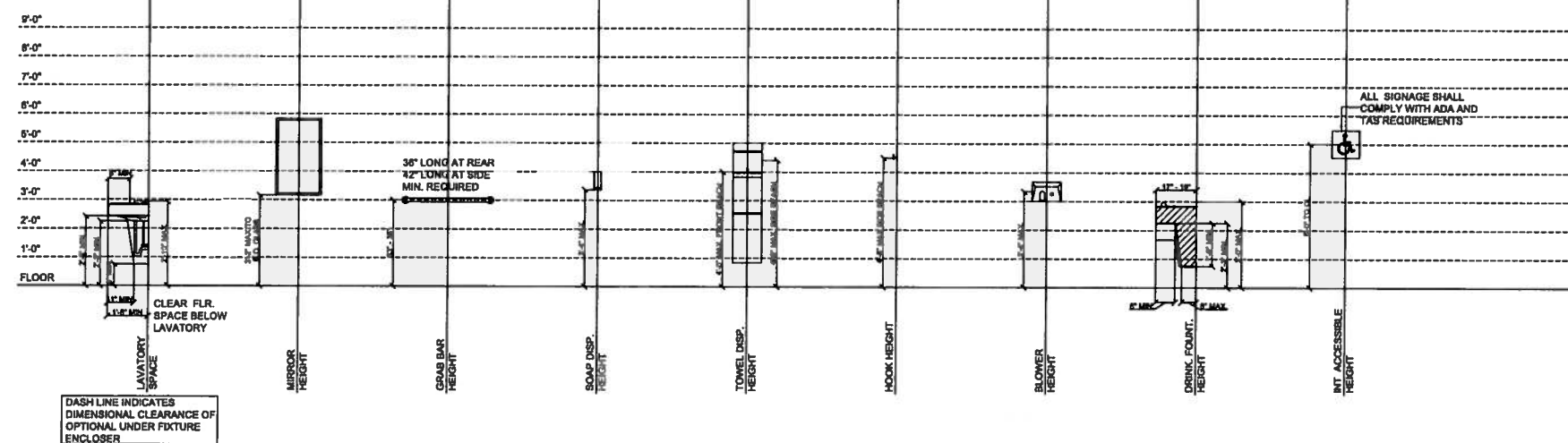
PLANS FOR CONSTRUCTION OF  
**JOHN L TOMPKINS PARK**  
IN  
SOUTH PADRE ISLAND, TEXAS

## ACCESSIBILITY NOTES

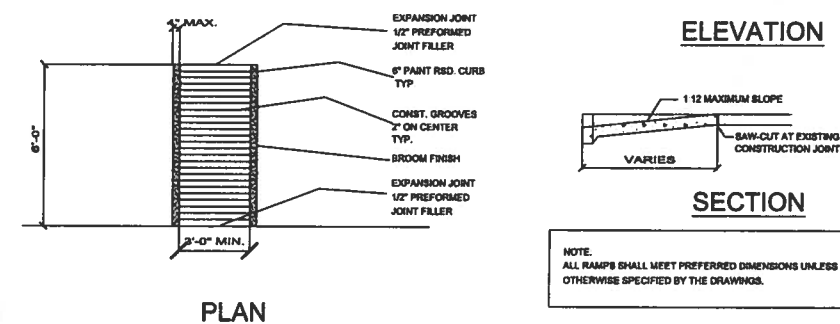
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Approved by:	
Project No.: 19060	

SHEET NO.

ADA2

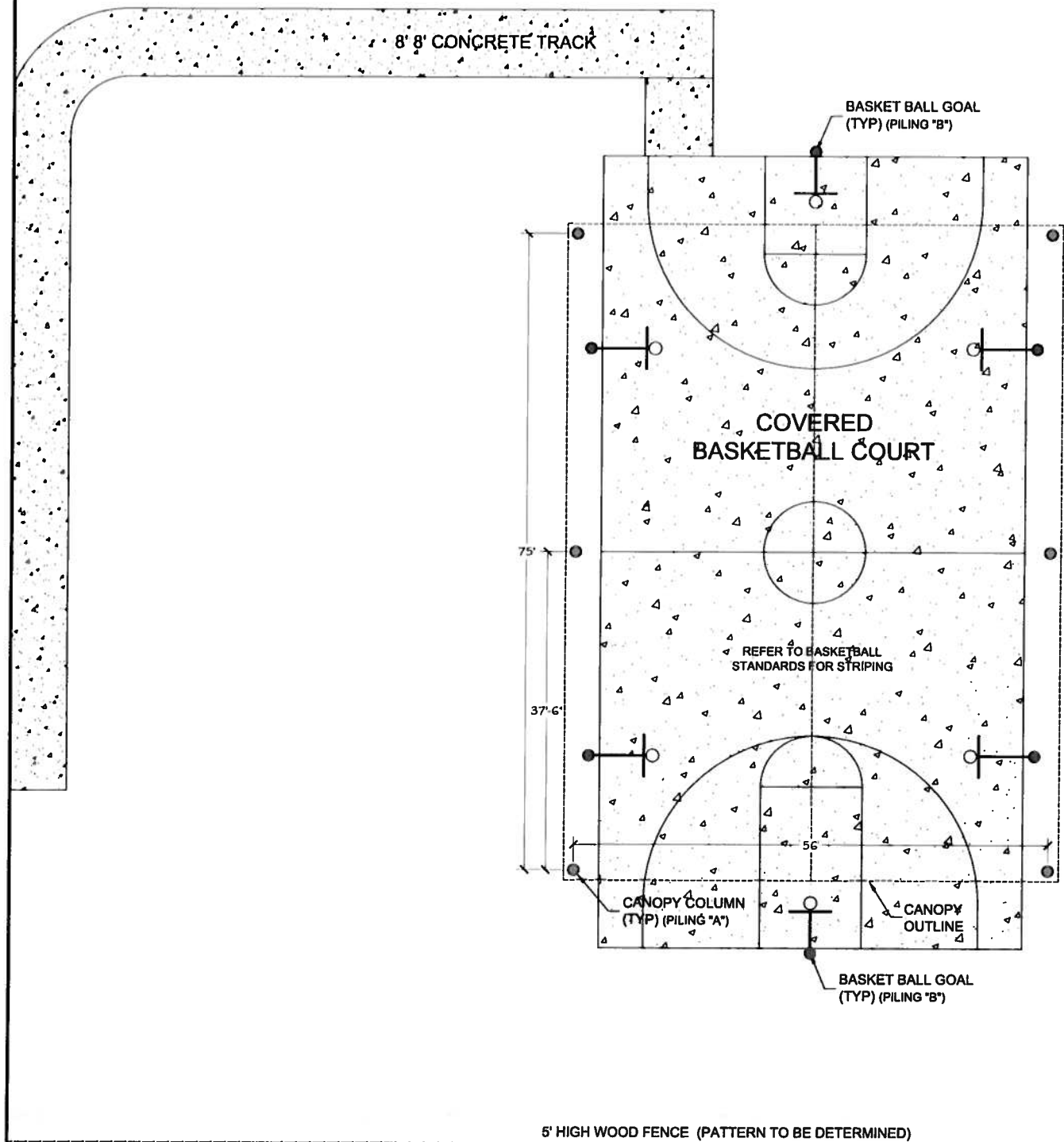


9	ACCESSIBLE RAMP
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NOTE.  
ALL RAMP8 SHALL MEET PREFERRED DIMENSIONS UNLESS  
OTHERWISE SPECIFIED BY THE DRAWINGS.





LANDSCAPE LEGEND

- |                          |                     |
|--------------------------|---------------------|
| E - EXISTING TREES       | T4 - HONEY MESQUITE |
| T1 - ROYAL EXPRESS TREE  | T5 - DATE PALM      |
| T2 - PURPLE ORCHARD TREE | T6 - TEPEQUAYE      |
| T3 - TEXAS SABAL PALM    |                     |

PILING LEGEND

- A - 14"Ø x 12' DEEP  
B - 16"Ø x 25' DEEP

PLANS FOR CONSTRUCTION OF  
**JOHN L TOMPKINS PARK**  
IN  
SOUTH PADRE ISLAND, TEXAS

MIDDLE SITE PLAN

Scale: 1/8"=1'-0"	Date: 6/16/14
Designed by:	
Drawn by: JHM	
Checked by: SAL	
Approved by:	
Project No.: 19060	

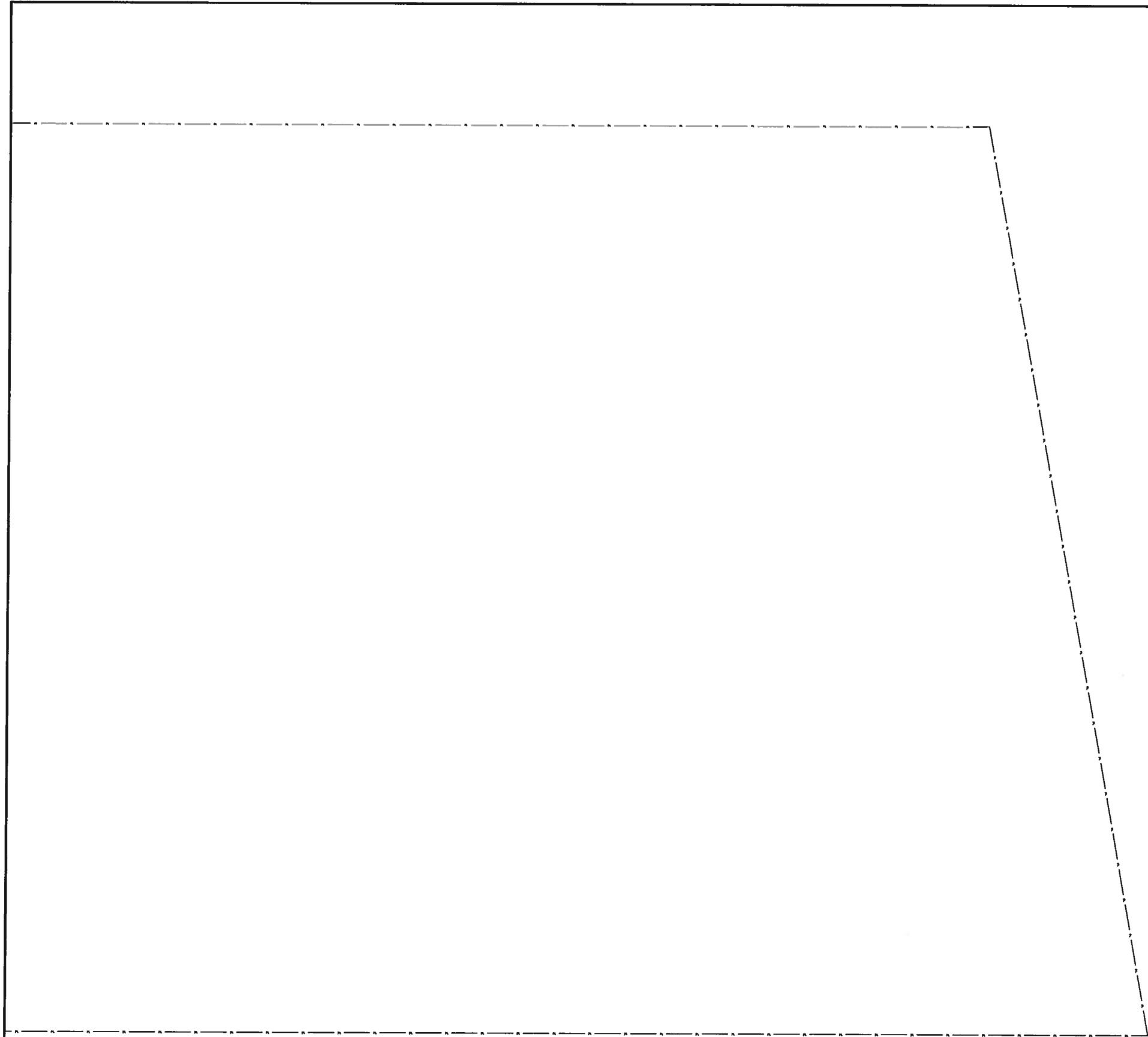
SHEET NO.

A2



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LANDSCAPE LEGEND

- E - EXISTING TREES

T1 - ROYAL EXPRESS TREE

T2 - PURPLE ORCHARD TREE

T3 - TEXAS SABAL PALM
- T4 - HONEY MESQUITE

T5 - DATE PALM

T6 - TEPEQUAYE

PILING LEGEND

- A - 14"Ø x 12' DEEP
- B - 16"Ø x 25' DEEP

Scale: 1/8"=1'-0"	Date: 6/16/14
Designed by:	
Drawn by: JEM	
Checked by: SAL	
Approved by:	
Project No.: 19060	

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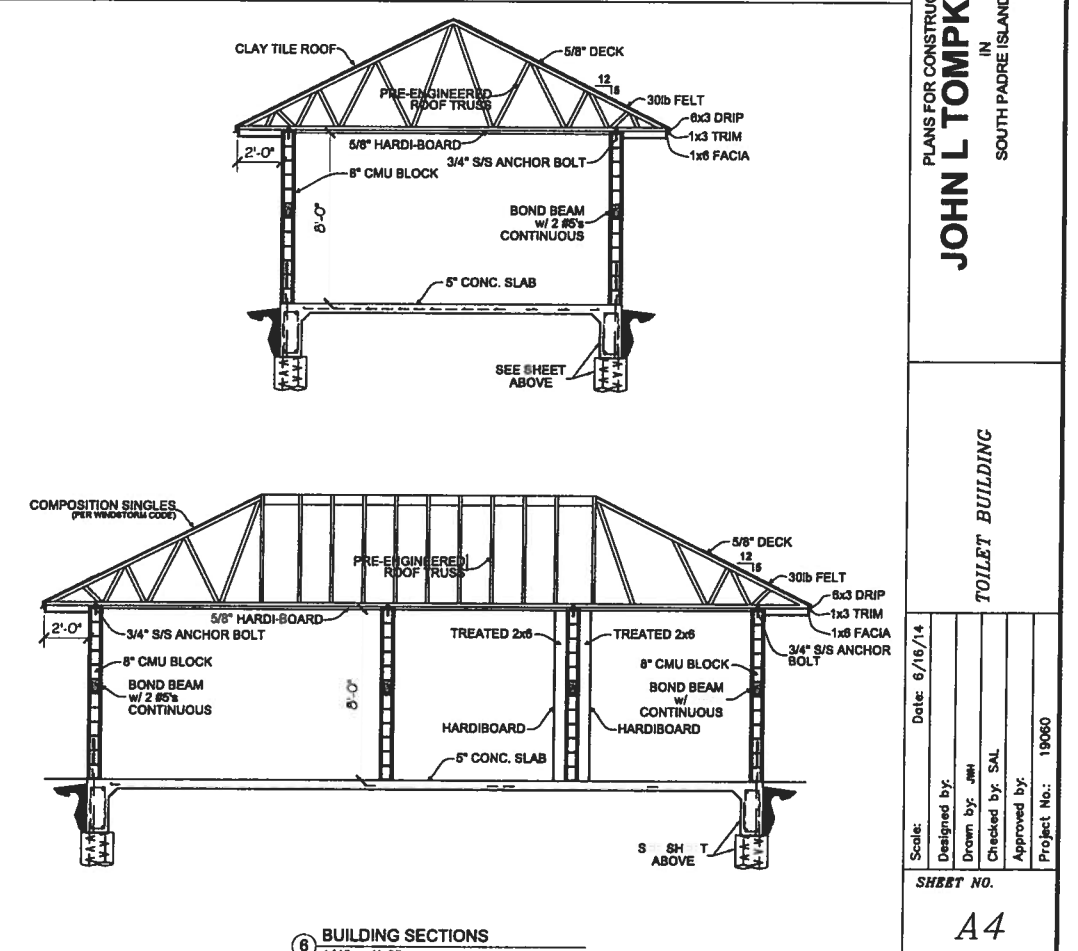
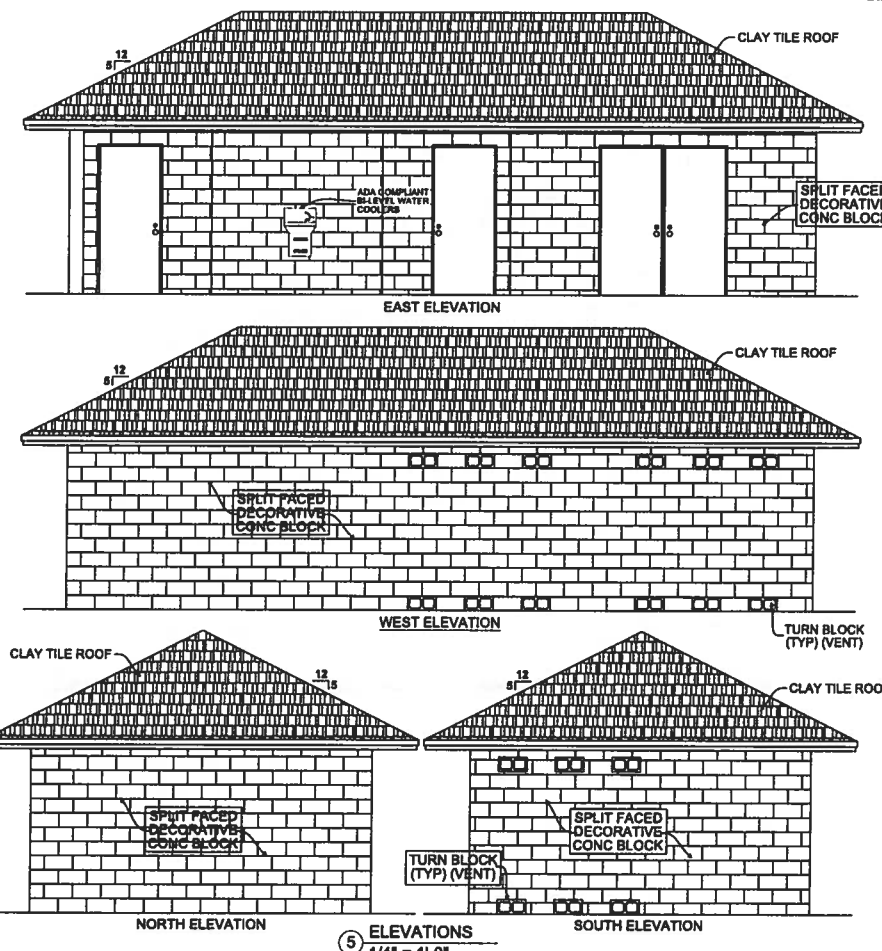
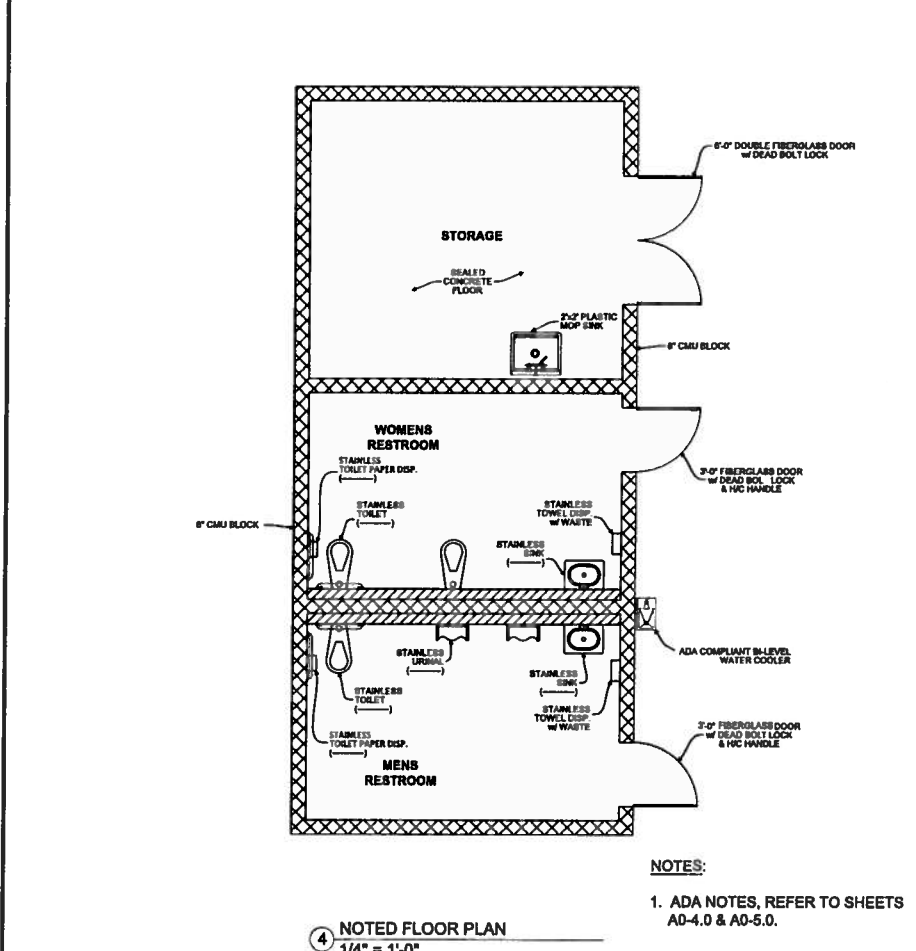
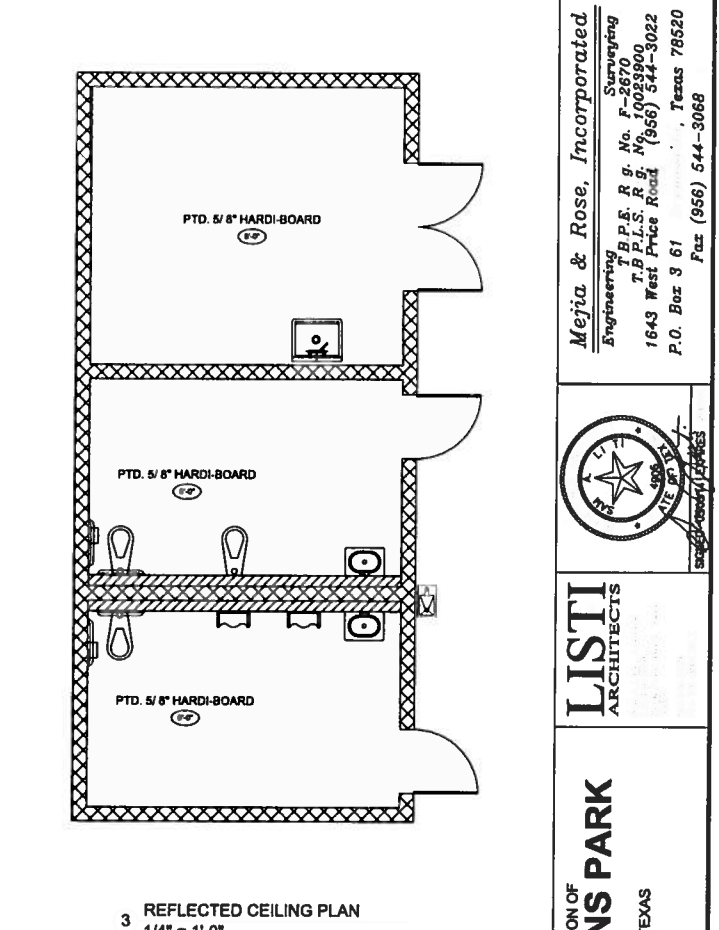
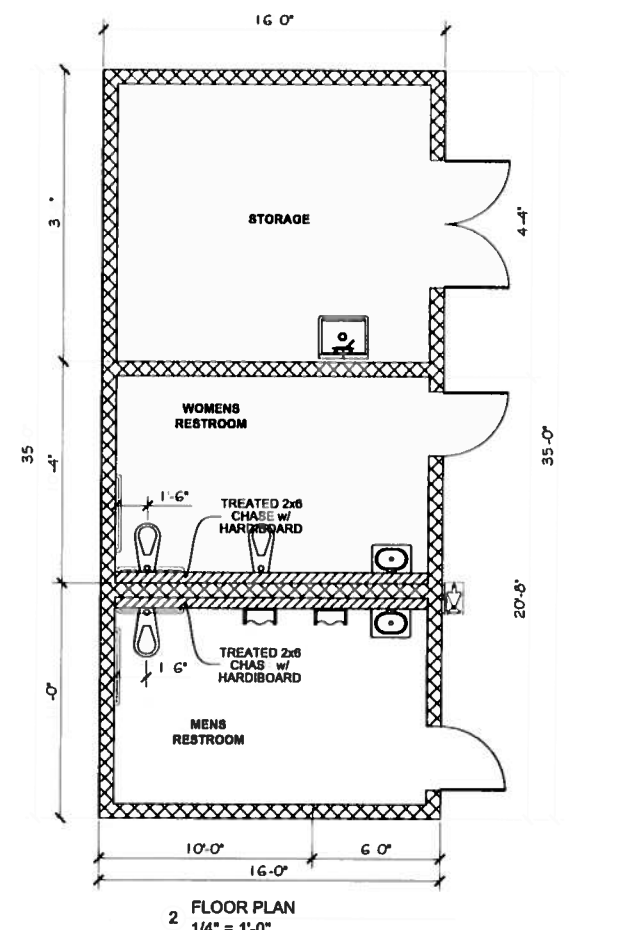
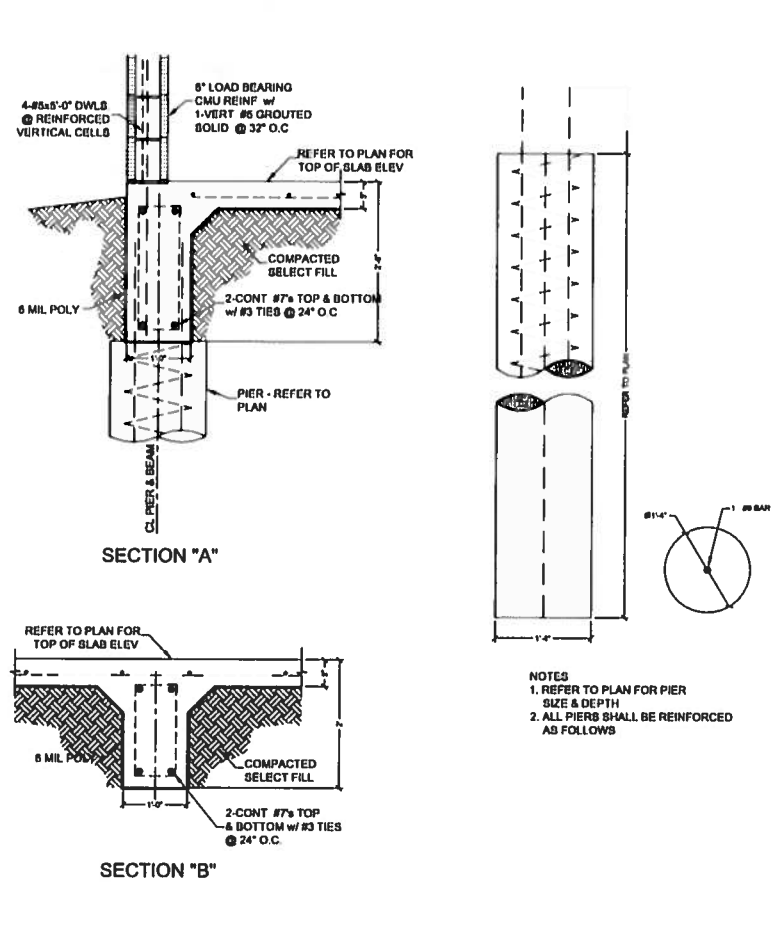
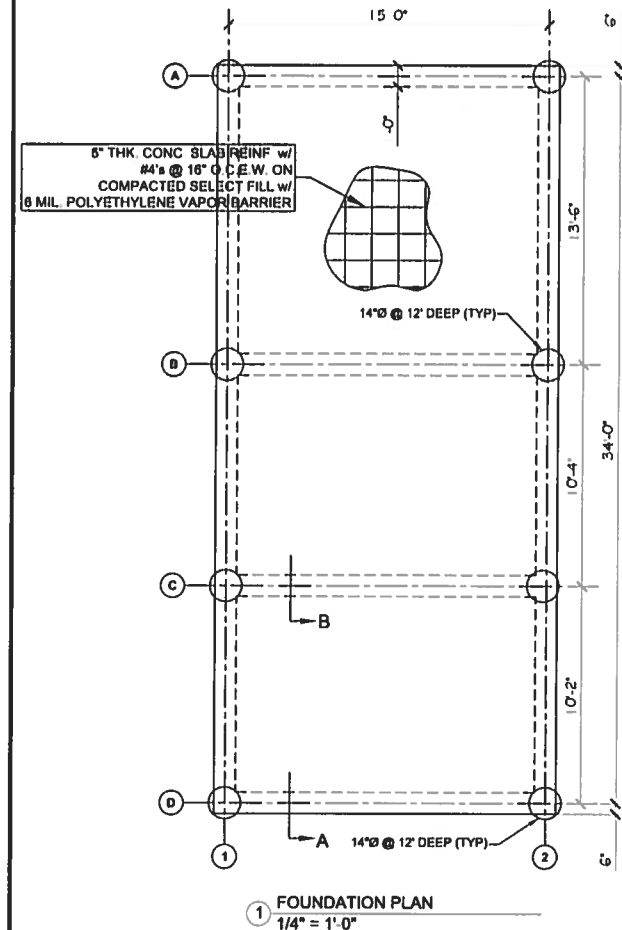
PLANS FOR CONSTRUCTION OF  
**JOHN L TOMPKINS PARK**  
IN  
SOUTH PADRE ISLAND, TEXAS

**LISTI**  
ARCHITECTS  
FRED ALLEN ARCHITECT  
P.O. BOX 1220  
SOUTH PADRE ISLAND, TEXAS  
949-445-9960  
949-781-4933 FAX

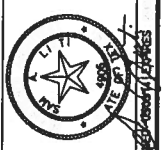


**Mejia & Rose, Incorporated**  
Engineering  
T.B.P.E. Reg. No. F-2870  
T.B.P.L.S. Reg. No. 10023900  
1643 West Price Road (956) 544-3022  
P.O. Box 3761 Brownsville, Texas 78520  
Fax (956) 544-3068





Mejia & Rose, Incorporated  
Engineering  
T.B.P.E. R. S. No. F-2670  
T.B.P.L.S. R. S. No. 1003900  
1643 West Price Road (956) 544-3022  
P.O. Box 9 61 Texas 78520  
Fax (956) 544-3068



L. J. TOMPKINS  
ARCHITECTS

PLANS FOR CONSTRUCTION OF  
**JOHN L TOMPKINS PARK**  
IN  
SOUTH PADRE ISLAND, TEXAS

TOILET BUILDING

8/16/14

DATE: 6/16/14

DESIGNED BY: JMW

DRAWN BY: JMW

CHECKED BY: SAL

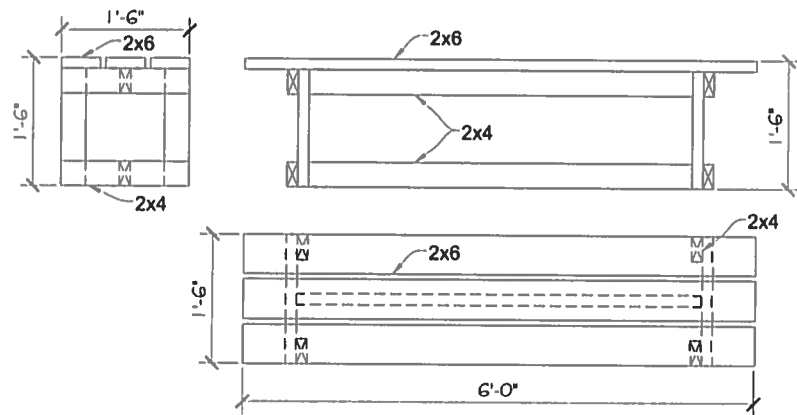
APPROVED BY:

PROJECT NO. 19060

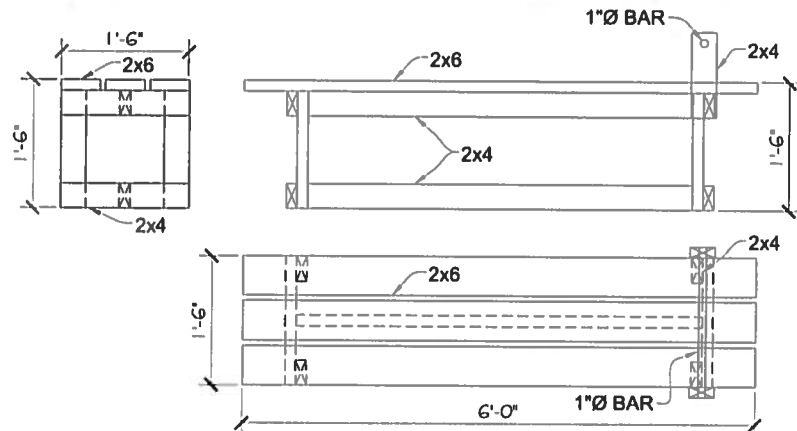
SHEET NO. A4



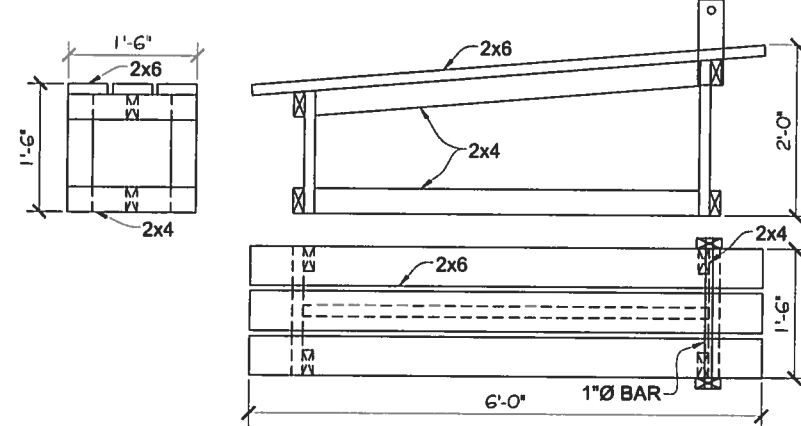




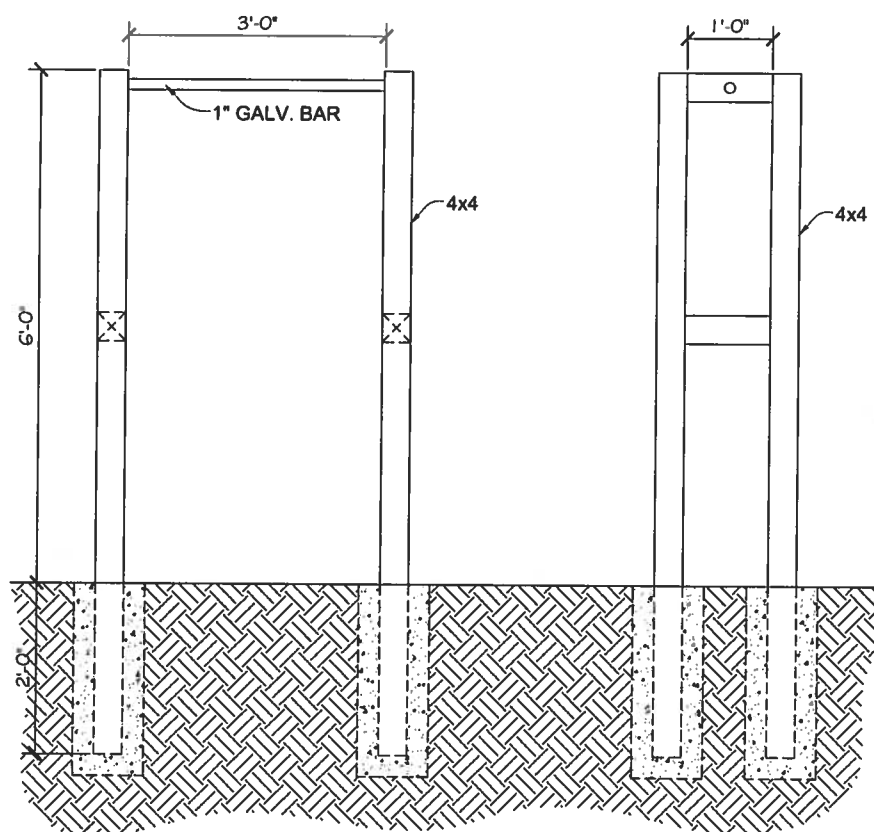
① BENCH  
1" = 1'-0"



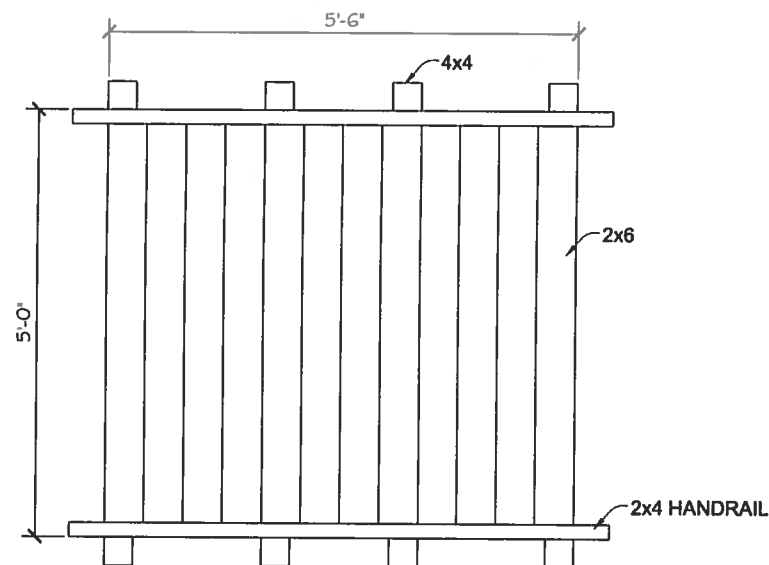
② FLAT SIT-UP STATION  
1" = 1'-0"



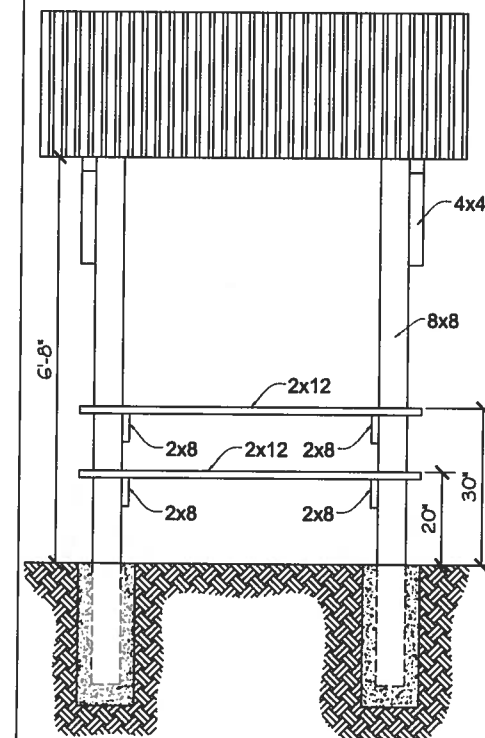
③ INCLINE SIT-UP STATION  
1" = 1'-0"



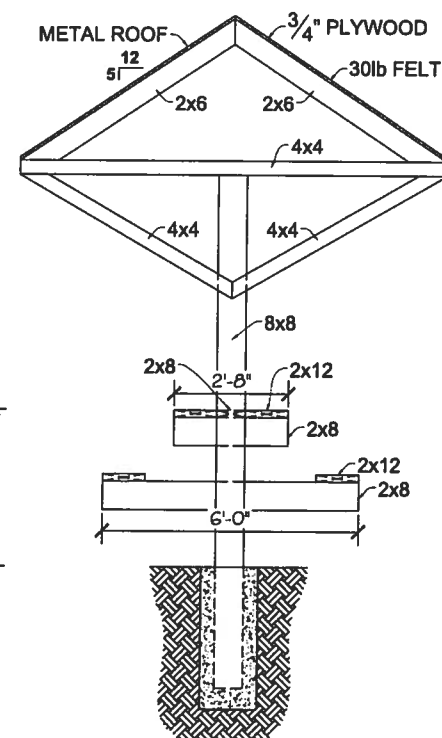
④ PULL-UP STATION  
1" = 1'-0"



⑤ STEP STATION  
1" = 1'-0"



⑥ PICNIC TABLE AND COVER  
1/2" = 1'-0"



Mejia & Rose, Incorporated  
Engineering, P.E. Reg. No. F-0028300  
Surveying, P.E. Reg. No. F-0028300  
T.B.P.L.S. Reg. No. F-0028300  
1643 West Price Road, (956) 544-3022  
P.O. Box 3761 Brownsville, Texas 78520  
Fax (956) 544-3068



LISTI  
ARCHITECTS  
See ALI, Architect  
P.O. Box 1230  
Brownsville, Texas 78520  
956-544-9960 FAX  
956-544-9951 FAX

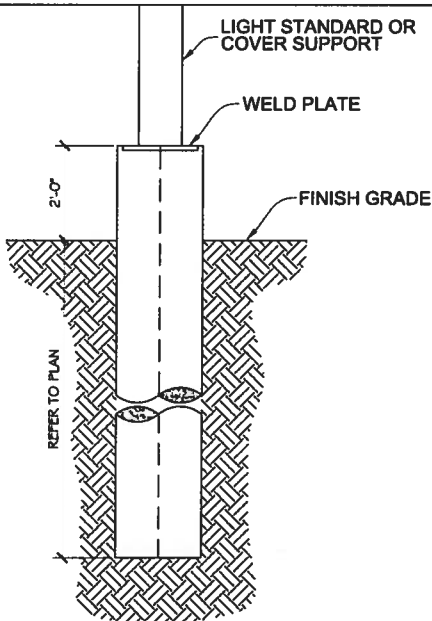
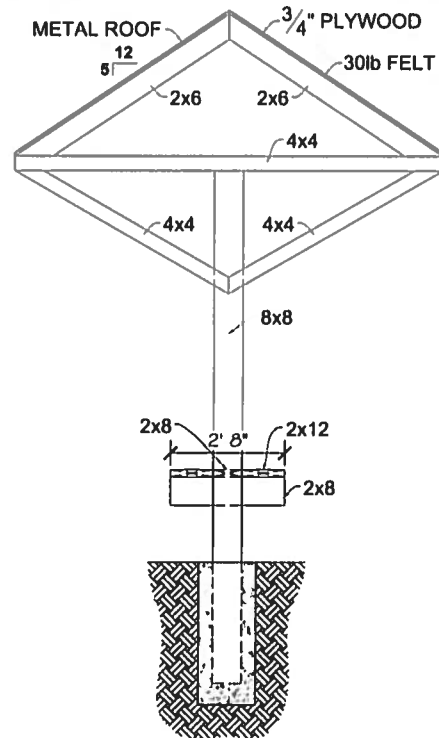
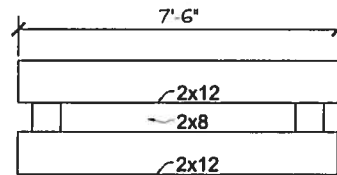
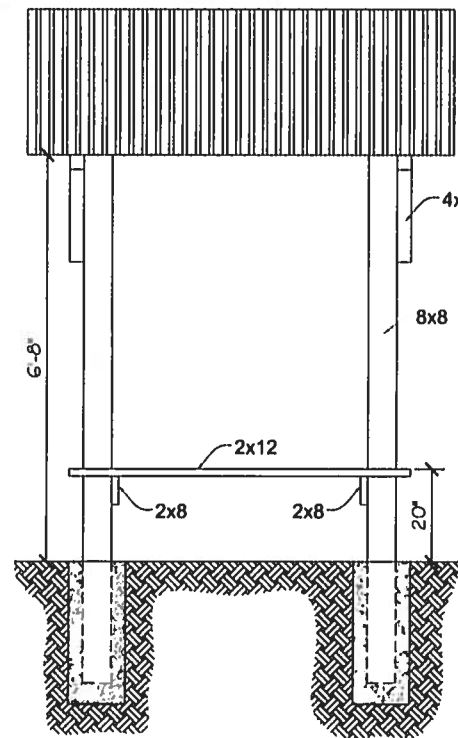
PLANS FOR CONSTRUCTION OF  
**JOHN L TOMPKINS PARK**  
IN  
SOUTH PADRE ISLAND, TEXAS

BENCHES / OTHER DETAILS

Scale: Date: 6/18/14  
Designed by: JMH  
Drawn by: JMH  
Checked by: SAL  
Approved by: JMH  
Project No.: 19060

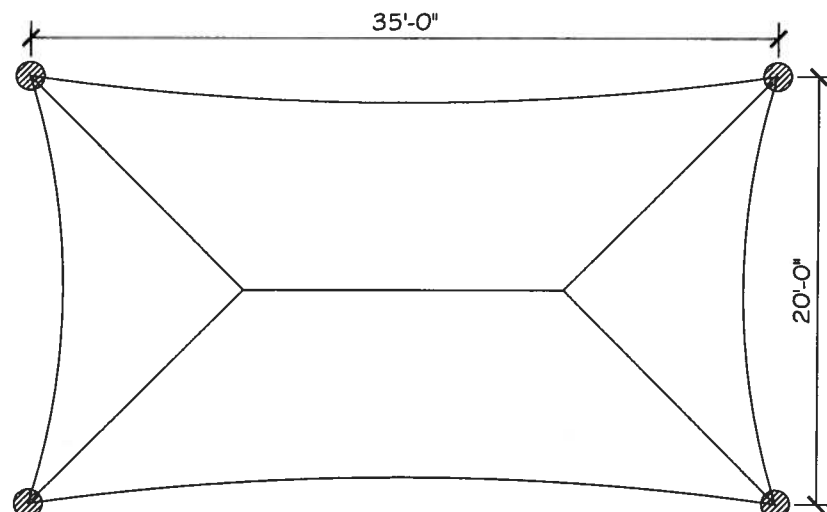
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A6

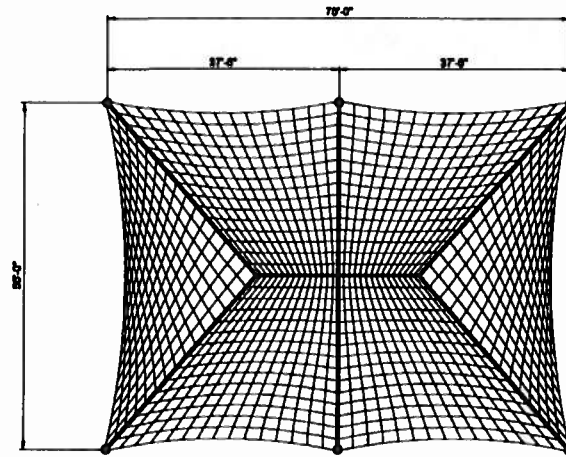


**PILING LENGTHS:**  
 "A" - 14"Ø x 12' DEEP (23 PILINGS)  
 "B" - 16"Ø x 25' DEEP (12 PILINGS)

③ PICNIC TABLE AND COVER  
 N.T.S.

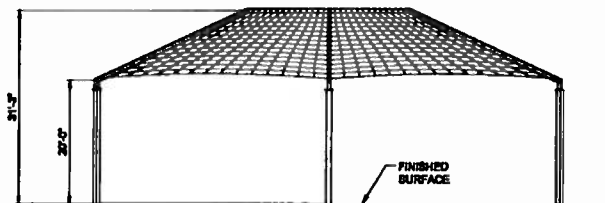


④ PLAYGROUND COVERS  
 1/4" = 1'-0"

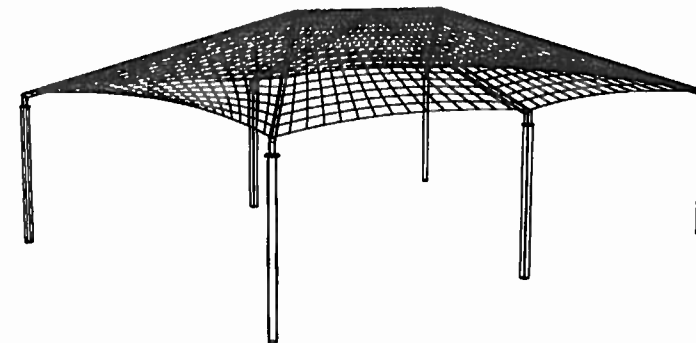


PLAN VIEW

PLEASE NOTE THAT THESE DRAWINGS ARE A PICTORIAL REPRESENTATION OF FABRIC AND STEEL ONLY. NONE OF THE REQUIRED ATTACHMENT OR CONNECTION DETAILS HAVE BEEN DEPICTED.

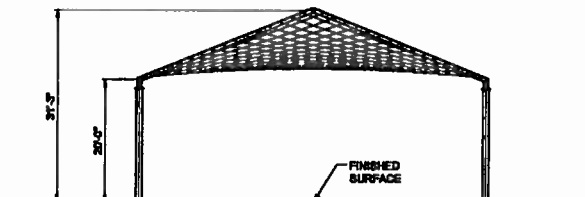


FRONT ELEVATION



PERSPECTIVE VIEW

NOTE:  
 - ALL DIMENSIONS AND HEIGHTS MUST BE FIELD VERIFIED PRIOR TO ANY FINAL DESIGN, FABRICATION OR INSTALLATION WORK.



SIDE ELEVATION

② BASKET BALL COURT COVER  
 N.T.S.

CUSTOMER: <b>FUN ABOUNDS</b>	
PROJECT NAME: <b>SOUTH PADRE ISLAND BASKETBALL COVER</b>	
LOCATION: <b>SOUTH PADRE ISLAND, TX</b>	
STRUCTURE TYPE: <b>BOX POST SUPERSPAN HP</b>	
SIZE: <b>80' x 79' x 20'</b>	
DESIGNED BY: <b>USA SHADE</b>	
CHECKED BY: <b>USA SHADE</b>	
APPROVED BY: <b>USA SHADE</b>	
DATE: <b>CON-MAY-09-14</b>	
PAGE: <b>1000</b>	
REV:	

Mejia & Rose, Incorporated  
 Engineering  
 T.B.P.E. R.G. No. F-2870  
 T.B.P.L.S. R.G. No. 1900  
 1643 West Price Road (956) 544-322  
 P.O. Box 3761 T 7 0  
 Fax (956) 544-3068



**LISTI**  
 ARCHITECTS

PLANS FOR CONSTRUCTION OF  
**JOHN L TOMPKINS PARK**  
 IN  
 SOUTH PADRE ISLAND, TEXAS

DETAILS / SAILS

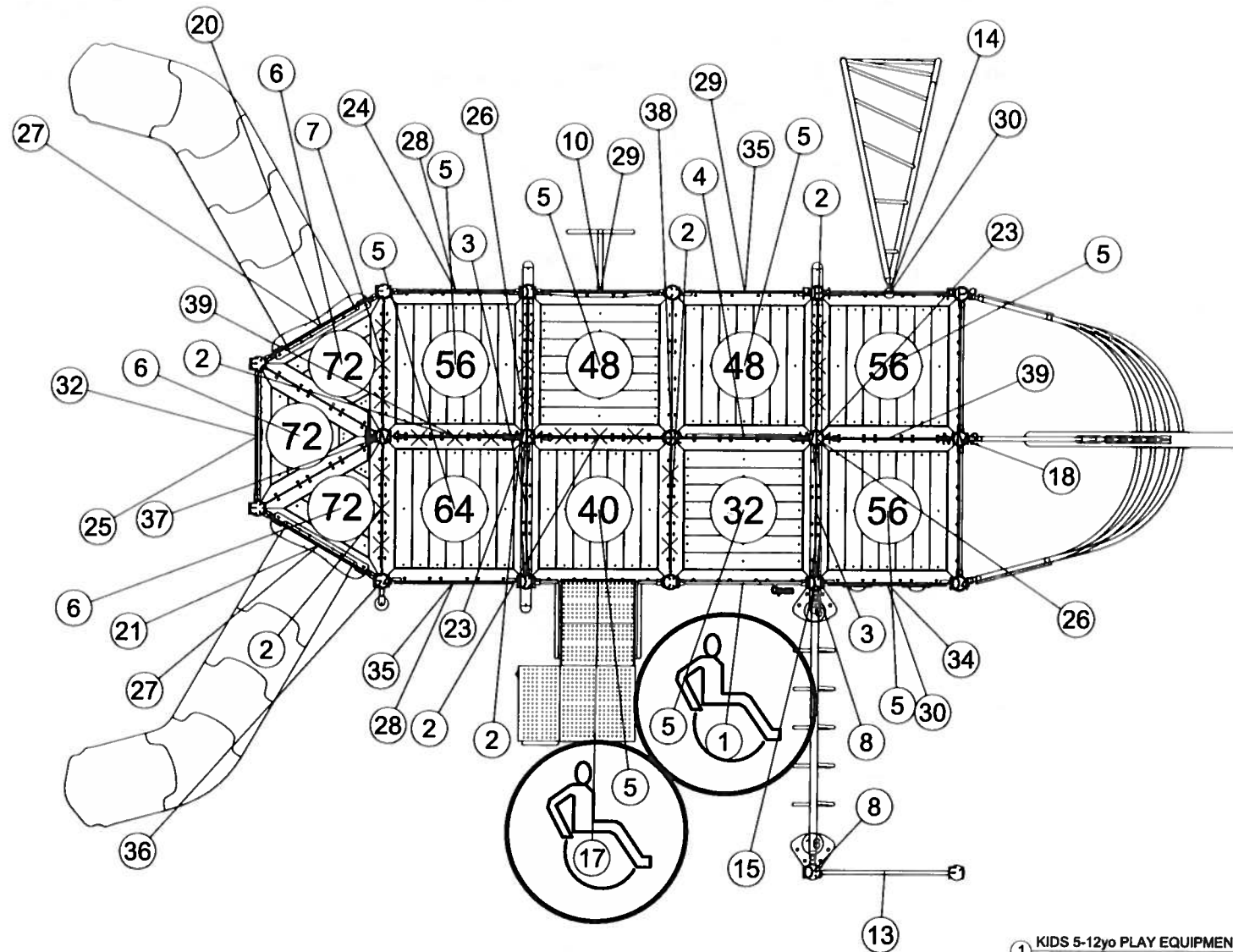
Scale:	Date: 6/16/14
Designed by:	
Drawn by:	SA
Checked by:	SAL
Approved by:	
Pr. Jct. N	19080

SHEET NO.

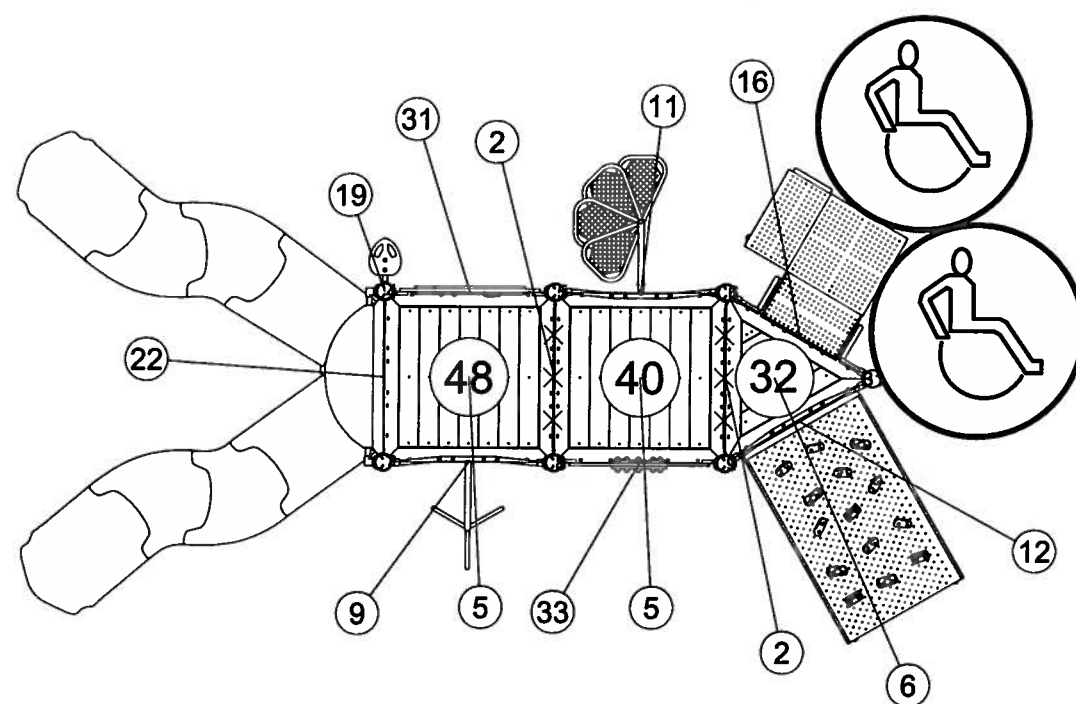
A7

## SUN PORTS

JARED ANGELICA  
 8505 CHANCELLOR ROW  
 DALLAS, TEXAS 75247  
 PH - (713) 254-8861 FAX - (214) 905-9514  
 EMAIL - JARED@USA-SHADE.COM



1 KIDS 5-12yo PLAY EQUIPMENT  
1/2" = 1'-0"



2 CHILDREN 2-5yo PLAY EQUIPMENT  
1/2" = 1'-0"

ITEM	COMP.	DESCRIPTION
1	270-0001	OFFSET ENCLOSURE
2	270-0050	8" CLOSURE PLATE
3	270-0109	PLATFORM LADDER 24"
4	270-0185	PLATFORM LADDER 16"
5	270-0225	RECYCLED SQUARE PLATFORM
6	270-0226	RECYCLED TRIANGLE PLATFORM
7	270-0230	16" CLOSURE PLATE
8	370-0027	LAUNCH PAD
9	370-0146	ATOM CLIMBER 32"-48"
10	370-0149	SNAKE CLIMBER 32" - 48"
11	370-0382	FAN CLIMBER 40" - 48"
12	370-0415	32" - 40" ROCK CRAWL
13	370-0491	48" CROSS BAR
14	370-0552	CENTER MOUNT TWIST N' TURN CLIMBER, 48"-56"
15	370-0710	TRIANGLE TRAVERSE
16	370-0718	TRANSFER STATION, HANDRAIL 32"
17	370-0719	TRANSFER STATION, HANDRAIL 40"
18	370-0766	SHIP BOW CLIMBER W/ CUSTOM IMAGE 56"
19	470-0387	SINGLE LEAF SEAT
20	470-0547	VIPER L 64-72
21	470-0548	VIPER R 64-72
22	470-0569	VIPER II SS 48-56
23	470-0630	SHIP MAST/SCALLOPED SAIL ASSEMBLY, FOR 2 FLAGS
24	570-0394	PIPE WALL
25	570-0562	GEAR PANEL, BELOW PLATFORM
26	570-0737	PENNANT FULL COLOR CUSTOM POST TOPPER
27	570-0739	SHIP BOARD PANEL 33", BELOW PLATFORM
28	570-0740	SHIP BOARD PANEL 25", BELOW PLATFORM
29	570-0742	SHIP BOARD PANEL 17", BELOW PLATFORM
30	570-0750	SHIP BOARD PANEL CUSTOM IMAGE 25", BELOW PLATFORM
31	570-1679	SPROCKET PANEL, ABOVE PLATFORM
32	570-1694	CUSTOM PANEL 41
33	570-1724	RAIN WHEEL PANEL
34	570-1733	SHIP BOARD PANEL W/ PORT HOLES 41"
35	570-1749	SHIP BOARD PANEL W/ CUSTOM IMAGE 41"
36	670-0156	POST MOUNTED BELL
37	670-0408	POST MOUNTED SHIP'S WHEEL ASSEMBLY
38	670-0409	MAST, MAIN ROPE
39	670-0410	MAST, ANGLED ROPE

## FUN ABOUNDS

JONATHAN McJUNKIN  
130 VENICE  
SUGERLAND, TEXAS 77478  
PH - (512) 636-8260 FAX - (281) 265-0043  
EMAIL - jonathan@fabplaygrounds.com

Mejia & Rose, Incorporated  
Engineering  
Surveying  
T.B.P.E. Reg. No. F-2670  
T.B.P.L.S. Reg. No. 10023900  
1643 West Price Road (956) 544-3022  
P.O. Box 3761 Brownsville, Texas 78520  
Fax (956) 544-3068



LISTI  
ARCHITECTS  
Sara Alldred, Architect  
P.O. Box 222  
78059 Padre Island, Texas  
956-545-0960  
956-761-4933 FAX

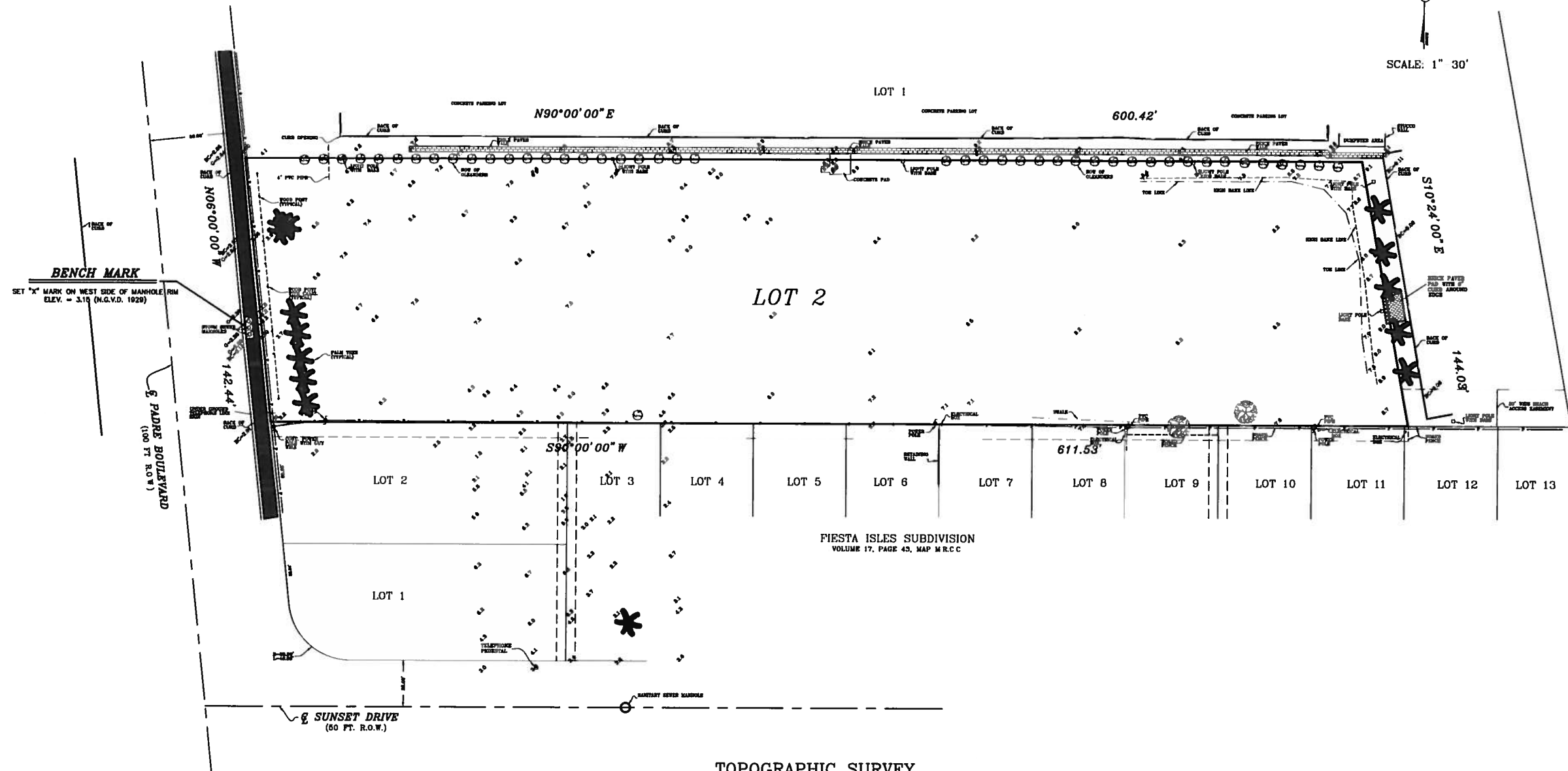
PLANS FOR CONSTRUCTION OF  
**JOHN L TOMPKINS PARK**  
IN  
SOUTH PADRE ISLAND, TEXAS

PLAY EQUIPMENT

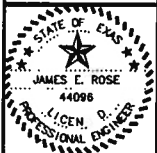
Scale: Date: 6/16/14  
Designed by: Drawn by: am Checked by: SAL Approved by: Project No.: 19060

SHBST NO.

48



THE SEAL APPEARING ON  
THIS DOCUMENT WAS  
AUTHORIZED BY  
JAMES E. ROSE, P.E. 44098  
7/30/15  
ALTERATION OF A SEALED DOCUMENT  
WITHOUT PROPER NOTIFICATION  
TO THE RESPONSIBLE ENGINEER  
IS AN OFFENSE UNDER THE  
TEXAS ENGINEERING PRACTICE LAW



PLANS FOR CONSTRUCTION OF  
CITY PARK  
IN  
SOUTH PADRE ISLAND, TEXAS

TOPOGRAPHIC SURVEY

TOPOGRAPHIC SURVEY  
OF  
LOT 2, BLOCK 1, REPLAT OF VILLAS DOCE SUBDIVISION,  
TOWN OF SOUTH PADRE ISLAND, CAMERON COUNTY, TEXAS,  
ACCORDING TO THE MAP THEREOF RECORDED IN CABINET 1,  
SLOT 2214 (A), MAP RECORDS OF CAMERON COUNTY, TEXAS.

Scale: 1"=30'	Date: 09/22/14
Designed by:	
Drawn by: S. SALVENDY	
Checked by:	
Approved by:	
Project No.: 19080	

SHEET NO.

C1  
OF  
C10

Mejia & Rose, Incorporated  
Engineering  
T.B.P.L.S. Reg. No. 10093900  
T.B.P.E. Reg. No. P-5870  
1643 West Price Road (956) 544-3022  
P.O. Box 3761 Brownsville, Texas 78620  
Fax (956) 544-3068



SCALE: 1"=20'

PROP. CONNECTION TO EXIST. WATER LINE  
IN ACCORDANCE WITH LAGUNA MADRE WATER  
DISTRICT REQUIREMENTS

BENCH MARK  
SET "X" MARK ON WEST SIDE OF MANHOLE RM  
ELEV. = 3.15 (M.G.V.D. 1929)

6 PADRE BOULEVARD  
(100 FT. R.O.W.)

SUNSET DRIVE  
(50 FT. R.O.W.)

CONCRETE PARKING LOT  
N90°00'00"E

LOT 1

600.42'

LOT 2

S90°00'00"W

LOT 2

LOT 3

LOT 4

LOT 5

LOT 6

LOT 7

LOT 8

LOT 9

FIESTA ISLES SUBDIVISION  
VOLUME 17, PAGE 43, MAP M.R.C.C.

\* CONTRACTOR SHALL VERIFY ELEVATION OF  
SANITARY SEWER LINE AND WATER LINE  
AT POINT OF CONNECTION AND PLAN ELEVATIONS  
TO BUILDINGS PRIOR TO CONSTRUCTION  
ALL SANITARY SEWER AND WATER CONSTRUCTION  
WITHIN UTILITY EASEMENT SHALL  
BE SUBJECT TO INSPECTION BY LAGUNA MADRE  
WATER DISTRICT AND ACCORDANCE WITH  
THE SPECIFICATIONS OF LAGUNA MADRE WATER DISTRICT  
ALL PERMIT, FEES, INSPECTION FEES, METER FEES  
IMPACT FEES, AND ALL OTHERS APPLICABLE FEES  
ASSOCIATED WITH WATER AND SEWER SERVICE SHALL  
BE PAID BY THE CONTRACTOR

APPROX. LOCATION OF EXISTING 8"  
WATER LINE PER LAGUNA  
MADRE WATER RECORDS.

APPROX. LOCATION OF EXISTING  
SANITARY SEWER FORCE MAIN PER  
LAGUNA MADRE WATER RECORDS

PROP. MANHOLE TOP = 8.00 FL = 0.87  
IN ACCORDANCE WITH LAGUNA MADRE  
WATER DISTRICT REQUIREMENTS

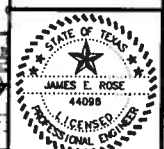
PROP. 6" SANITARY SEWER  
FORCE MAIN

PROP. CONNECTION TO  
EXIST. FLUID  
APPROX. FL = 1.60

APPROX. LOCATION OF  
EXISTING MANHOLE

APPROX. LOCATION OF EXISTING 8"  
SANITARY SEWER LINE PER LAGUNA  
MADRE WATER RECORDS.

Mejia & Rose, Incorporated  
Surveying  
Engineering  
P.E. Reg. No. 2870  
T.D. No. 108243022  
1649 West Price Road  
P.O. Box 3761 Brownsville, Texas 78620  
Fax (956) 544-3088



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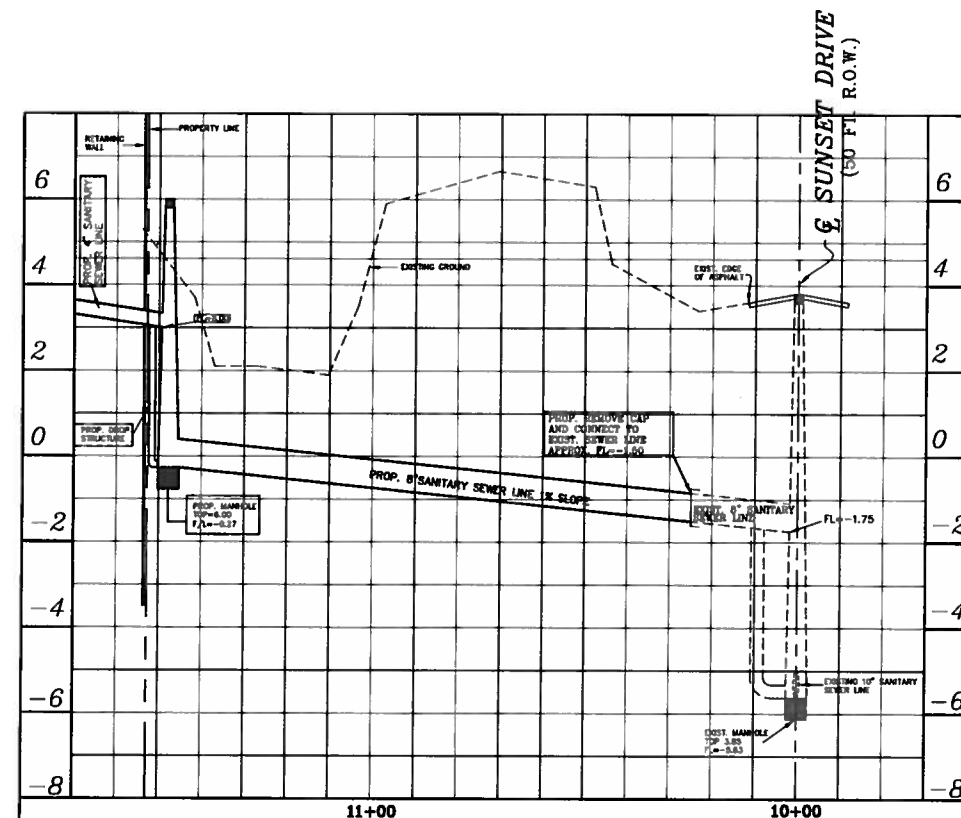
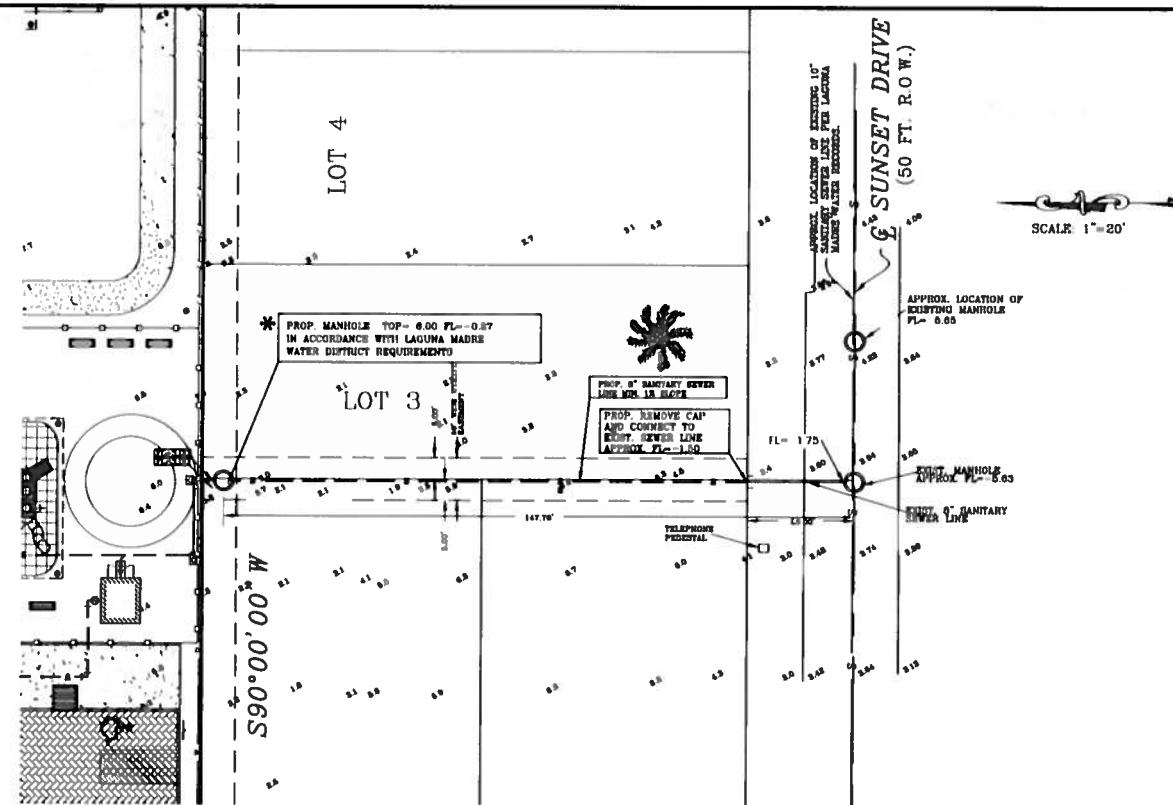
PLANS FOR CONSTRUCTION OF  
CITY PARK  
IN  
SOUTH PADRE ISLAND, TEXAS

UTILITY LAYOUT

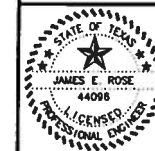
Scale: 1"=20' Date: 07/30/15  
Designed by: \_\_\_\_\_  
Drawn by: S.S. ALVAR \_\_\_\_\_  
Checked by: \_\_\_\_\_  
Approved by: \_\_\_\_\_  
Project No.: 19060

SHEET NO.  
C3  
OF C10





**Mejia & Rose, Incorporated**  
Engineering      Surveying  
T.B.P.E. Reg. No. F-2870  
T.B.P.L.S. Reg. No. 1002390  
1643 West Price Road, (956) 544-3022  
P.O. Box 3761 Brownsville, Texas 77620  
Fax (956) 544-3068



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IS AN OFFENSE UNDER THE  
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**PLANS FOR CONSTRUCTION OF  
CITY PARK  
IN  
SOUTH PADRE ISLAND, TEXAS**

## SANITARY SEWER PROFILE

Scale: 1"=20'	Date: 07/30/15
Designed by:	
Drawn by: S.S.ALDIVAR	
Checked by:	
Approved by:	
Project No.:	19060

SHEET NO.  
C4  
OF

N90°00'00"E

SCALE: 1"=10'

BACK OF CURB

BENCH MARK

SET "X" MARK ON WEST SIDE OF MANHOLE RIM  
ELEV. = 3.15 (N.G.V.D. 1929)

E PADRE BOULEVARD  
(100 FT. R.O.W.)

# PROPOSED IMPROVEMENTS LEGEND

SYMBOL	DESCRIPTION
+	PROP. FIRE HYDRANT
W	PROP. WATER METER
⊕	PROP. WATER VALVE
S	PROP. SANITARY SEWER LINE
W	PROP. WATER LINE
GAS	PROP. GAS LINE
F	PROP. FIRE LINE
ST	PROP. STORM SEWER LINE
E	PROP. ELEC. LINE
CO	PROP. CLEAN-OUT
+	PROP. FITTING
⊕	PROP. GRATE INLET (GRATE 24" x 24")
EL+2.15	PROP. TOP OF SIDEWALK ELEVATION
EL+2.10	PROP. GUTTER ELEVATION
EL+2.15	PROP. TOP OF GRATE INLET ELEVATION
EL+2.15	PROP. FLOW LINE ELEVATION (SLOPE 1/8" x 10')
EL+2.15	PROP. TOP OF RETAINING WALL
EL+2.15	PROP. GROUND SURFACE ELEVATION
EL+2.15	PROP. GROUND SURFACE CONTOUR
→	DIRECTION OF PROP. SURFACE DRAINAGE

# EXISTING IMPROVEMENTS LEGEND

SYMBOL	DESCRIPTION
⊕	LIGHT POLE
⊕	TELEPHONE PEDESTAL
+	FIRE HYDRANT
W	WATER METER
⊕	CABLE-TV PEDESTAL
⊕	UTILITY POLE
+	WATER VALVE

DOWEL #4 BAR 18" LONG  
AT 24" O.C.  
ALONG NEW WALK

PROP. BERM TO ELEV.  
4.0 AT R.O.W. LINE

PROP. HEADWALL  
FL=2.45

SIDEWALK RAMP TO  
MEET SPI, TAS AND ADA  
REQUIREMENTS

REMOVE EXISTING CURB AND GUTTER  
TO NEAREST  
JOINT. REPLACE CURB AND GUTTER  
MONOLITHICALLY WITH CONCRETE  
DRIVEWAY PAVEMENT.

SIDEWALK RAMP TO  
MEET SPI, TAS AND ADA  
REQUIREMENTS

PROP. 8"x12.5 LF.  
STORM SEWER LINE

STORM SEWER  
MANHOLES

PROP. CONNECTION TO  
EXIST. CURB INLET

PROP. BERM TO ELEV.  
4.0 AT R.O.W. LINE

DOWEL #4 BAR 18" LONG  
AT 24" O.C.  
ALONG NEW WALK

PROP. HEADWALL  
FL=3.00

PROP. CONC.  
SPILLWAY

PROP. 12"x17.33 LF.  
STORM SEWER LINE

BACK OF CURB

UNDER GROUND  
TELEPHONE LINE  
SIGN

PROP. CONC.  
SPILLWAY FL=3.00

PROP. CONC. WALK

PROP. CONC. WALK

PROP. CONC. WALK

PROP. CONC. WALK

PROP. CONC. WALK

PROP. CONC. WALK

PROP. CONC. WALK

PROP. CONC. WALK

PROP. CONC. WALK

PROP. CONC. WALK

PROP. CONC. WALK

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PROP. CONC. WALK

PROP. CONC. WALK

PROP. CONC. WALK

PROP. CONC. WALK

PROP. CONC. WALK

PROP. CONC. WALK

PROP. CONC. WALK

PROP. CONC. WALK

PROP. CONC. WALK

PROP. CONC. WALK

PROP. CONC. WALK

PROP. CONC. WALK

PROP. CONC. WALK

PROP. CONC. WALK

CURB OPENING

LIGHT POLE  
WITH BASE

BACK OF CURB

BRICK PAVEMENT

LIGHT POLE  
WITH BASE

PROP. GRATE INLET  
CB24  
TOP=7.50  
FL=4.85

PROP. CONC. WALK

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ASPHALT AREA

ASPHALT AREA

LOT 2

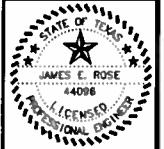
NO FENCE POST NEEDED IN THIS AREA

# GRADING NOTES:

- GRADE TO DRAIN TOWARD INLETS OR SWALES.
- CONTRACTOR SHALL PROVIDE SMOOTH, FINELY GRADED SURFACE ON ALL UNPAVED AREAS SUITABLE TO RECEIVE HYDRO-MULCH SEEDING. GRADE UNIFORMLY TO DRAIN TOWARD DRAINAGE OUTLETS OR SWALES.
- IN ALL AREAS OF THE SITE INCLUDING WHERE CONTOURS ARE NOT SHOWN THE CONTRACTOR SHALL PROVIDE A FINISHED SMOOTH AND FINELY GRADED SURFACE (LESS THAN 2" SIZE SOIL PARTICLES) WITH A CONTINUOUS DOWNWARD SLOPE TOWARD DRAINAGE SWALES AND/OR OTHER OUTLETS. LEAVING NO FLAT OR "DEAD" AREAS THAT WILL RETAIN RUNOFF.
- SIDEWALK TO MATCH FINISHED FLOOR OR DOORWAYS. SLOPE AWAY FROM BUILDING @ 2% SLOPE
- ALL DEBRIS AND EXCESS EARTH MATERIAL GENERATED BY THE SITEWORK OPERATIONS WILL BECOME PROPERTY OF THE CONTRACTOR TO BE REMOVED FROM THE SITE AND PROPERLY DISPOSED AT HIS EXPENSE.
- NO SIDEWALKS SHALL HAVE A CROSS SLOPE GREATER THAN 2% OR LONGITUDINAL SLOPE GREATER THAN 5%.

- EXCEPT WHERE SPECIFICALLY SHOWN ON PLANS STORM SEWER PIPE SHALL BE REINFORCED CONCRETE PIPE (CLII) WITH CORRUGATED POLYETHYLENE PIPE SMOOTH INTERIOR (HANCOR HQ PIPE WITH TITELINE WATER TIGHT FITTINGS OR ADS N-12 HQ PIPE WITH PRO LINE 10.8 FITTINGS OR APPROVED EQUAL) MEETING AASHTO DESIGNATION M252-921 (3" TO 10") AND M294-921 (12" TO 36"). OR PVC SDR 35 PIPE. ALL CORRUGATED POLYETHYLENE AND PVC PIPE SHALL BE BEDDED IN SAND, SAME AS SANITARY SEWER AND WATER LINE PIPE
- BACKFILL ALL CURB & GUTTER, PAVEMENT EDGES AND SIDEWALKS TO 3" BELOW TOP OF CURB OR SIDEWALK AND SLOPE TO EXISTING GROUND AT 10 TO 1
- FINISH GROUND SURFACE ADJACENT TO ALL BUILDINGS TO 8" BELOW FF AND SLOPE AWAY FROM BUILDING AT 5% SLOPE IN FIRST 10'
- NO IRRIGATION SPRINKLER HEADS OR PIPING SHALL BE INSTALLED IN ANY AREA UNTILL FINAL GRADING IN THAT AREA HAS BEEN COMPLETED AND APPROVED BY SITEWORK ENGINEER.

Meja & Rose, Incorporated  
Engineering  
Surveying  
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PLANS FOR CONSTRUCTION OF  
CITY PARK  
IN  
SOUTH PADRE ISLAND, TEXAS

GRADING PLAN WEST

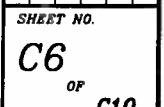
Scale: 1"=10' Date: 7/20/15  
Designed by: SAADVAR  
Drawn by: SAADVAR  
Checked by:  
Approved by:  
Project No.: 19080

SHEET NO.

C5

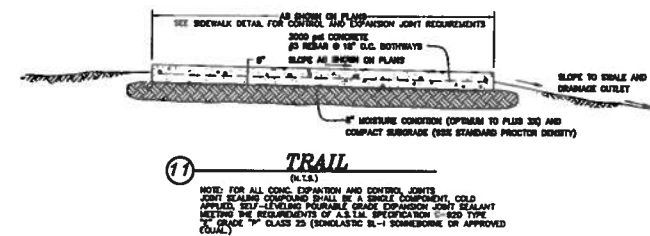
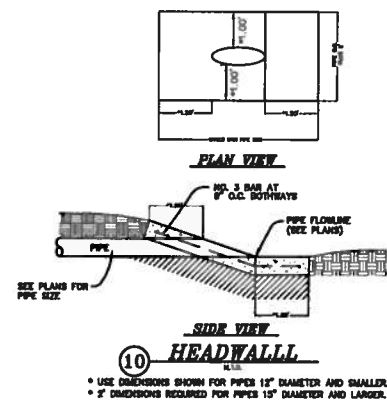
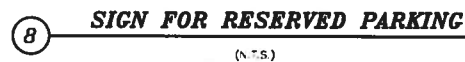
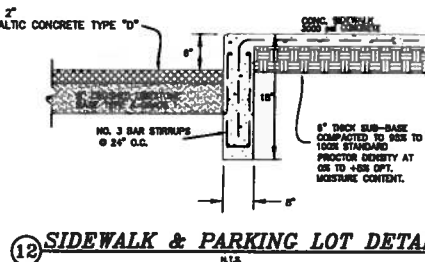
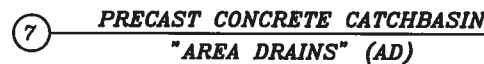
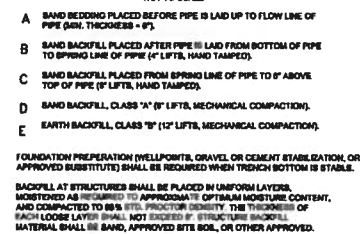
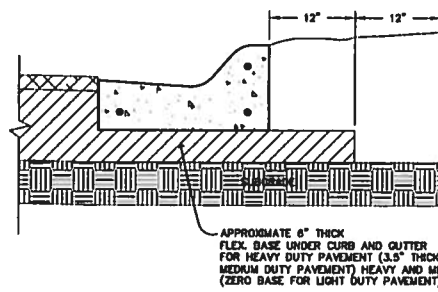
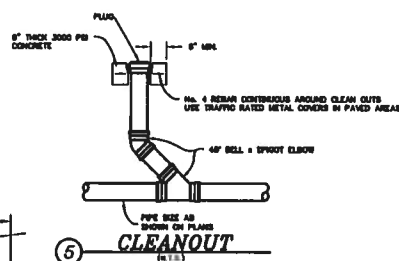
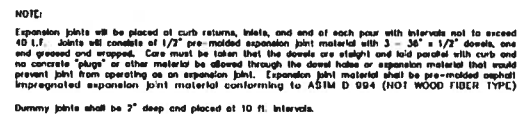
OF C10

cc



611.53





**Mejia & Rose, Incorporated**  
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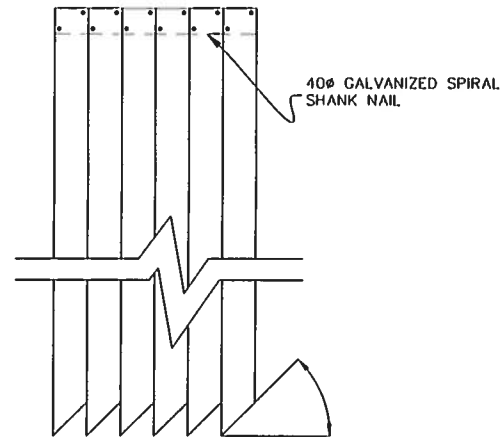
# PLANS FOR CONSTRUCTION OF CITY PARK IN SOUTH PADRE ISLAND, TEXAS

**DETAIL SHEET**

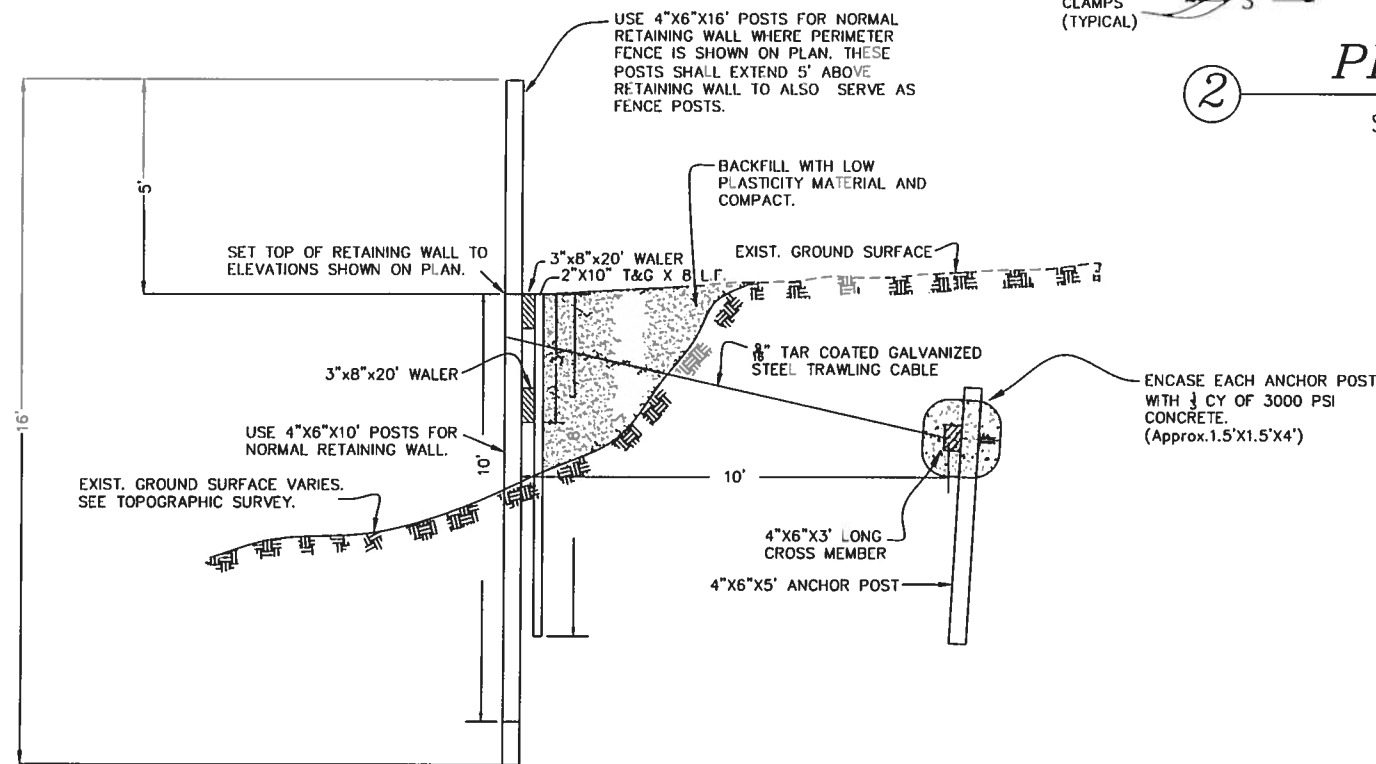
Scale: AS SHOWN	Date: 7/30/15
Designed by:	
Drawn by: S.SALDVAR	
Checked by:	
Approved by:	
Project No.: 19080	

**SHEET NO.**

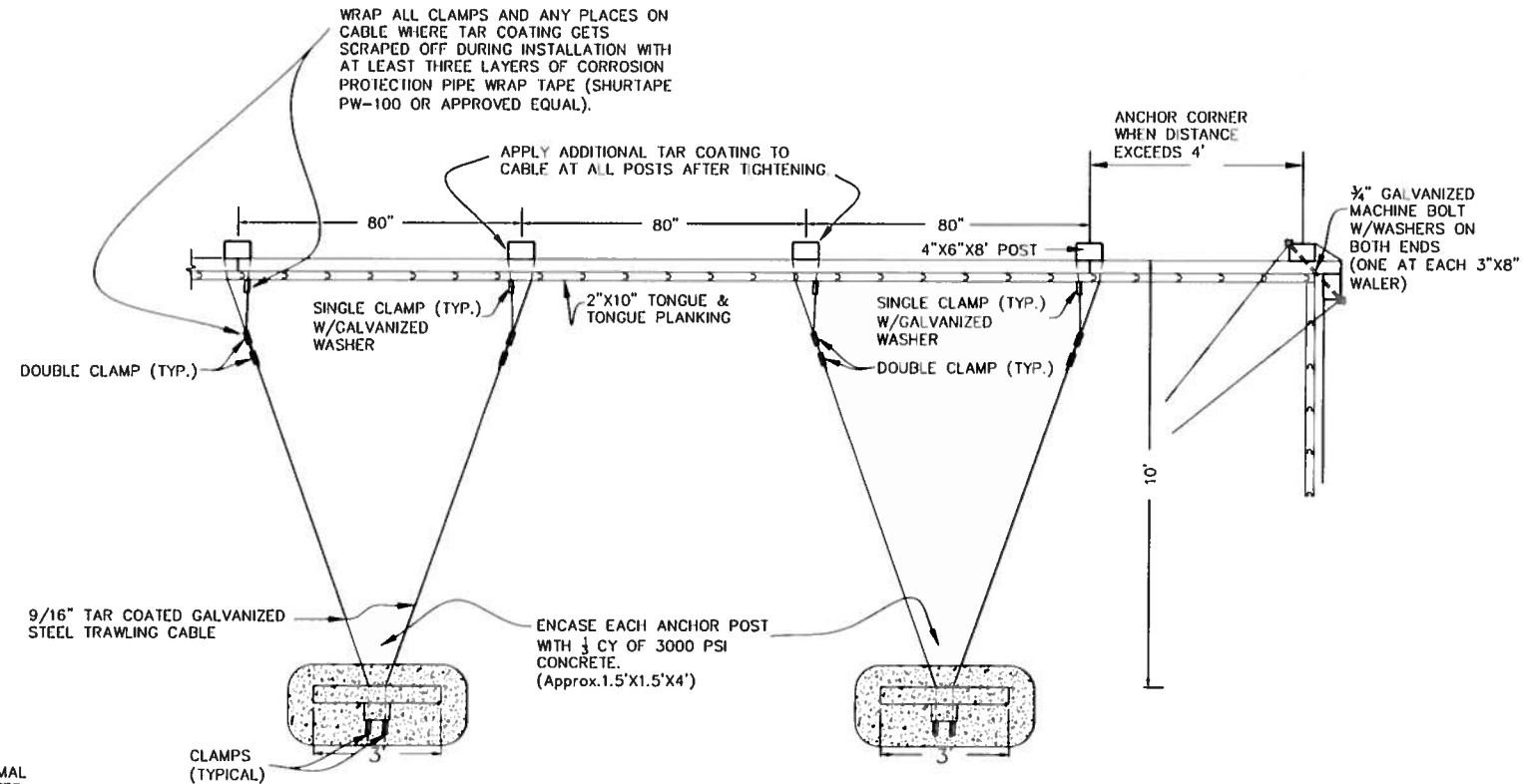
C8 OF C10



1 **PLANKING DETAIL**  
**TONGUE & GROOVE PLANKING**  
SCALE: 1/4" = 1'-0"



3 **RETAINING WALL X-SECTION**  
SCALE: 1/4" = 1'-0"

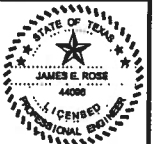


2 **PLAN VIEW**  
SCALE: 1/4" = 1'-0"

NOTES:

- 1.- ANCHORING CABLE SHALL BE NINE-SIXTEENTHS INCH TAR COATED GALVANIZED STEEL TRAWLING CABLE OR APPROVED EQUAL.
- 2.- GALVANIZED CLAMPS, BOLTS, WASHERS, ETC., SHALL BE SPRAYED WITH "NO RUST" PRIMER OR APPROVED EQUAL.
- 3.- BACKFILL MATERIAL SHALL BE RIVER SAND (P.I. < 15). TOP SIX INCHES SHALL BE ON SITE TOP SOIL MATERIAL. FILL MATERIAL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY.
- 4.- ALL BULKHEADING LUMBER MATERIAL SHALL BE No. 2 SOUTHERN YELLOW PINE CCA PRESSURE TREATED AT A RATE OF 0.6 LBS. OF TREATMENT PER CUBIC FOOT OF LUMBER.
- 5.- CONCRETE SHALL BE MINIMUM 3000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.

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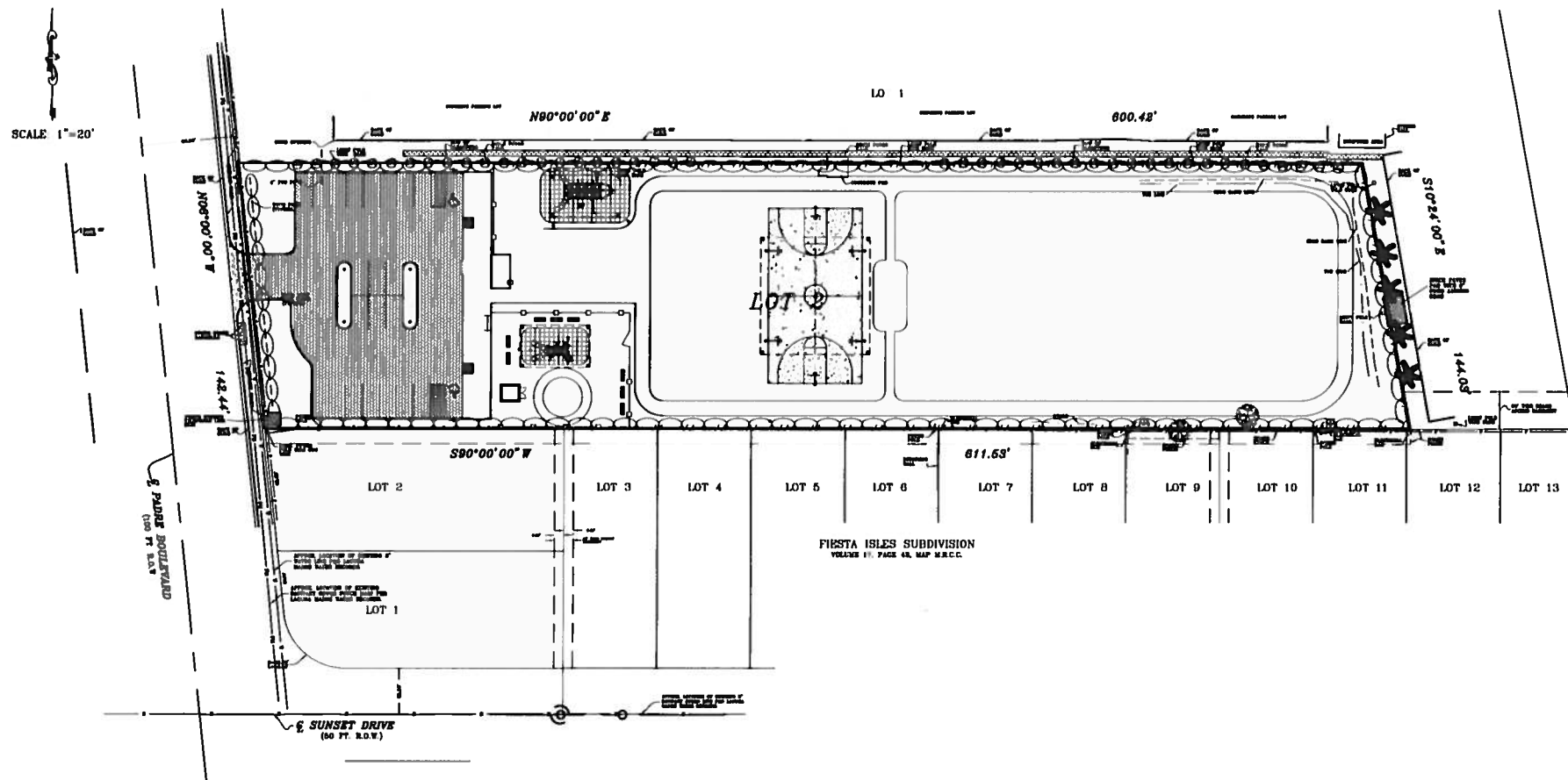
PLANS FOR CONSTRUCTION OF  
CITY PARK  
IN  
SOUTH PADRE ISLAND, TEXAS

DETAIL SHEET

Scale: 1"=20' Date: 7/30/15  
Designed by: S.SALDIVAR  
Drawn by: S.SALDIVAR  
Checked by: S.SALDIVAR  
Approved by: S.SALDIVAR  
Project No.: 10080

SHEET NO.  
**C9**  
OF  
**C10**





\* NOTE: THE TOTAL AREA OF THIS PROJECT IS (LESS THAN 5 ACRES). THEREFORE, THE FILING OF NOTICE OF INTENT (NOI) AND NOTICE OF TERMINATION (NOT) IS NOT REQUIRED. ALL OTHER REQUIREMENTS SHALL APPLY.

NOTE: IF AREA OF PROJECT REQUIRES A NOTICE OF INTENT (NOI) TCEQ NOTICE OF TERMINATION (NOT) FORMS SHALL BE FILED BY OWNER AND CONTRACTOR WHEN THE SITE HAS BEEN FINALLY STABILIZED OR WHEN OPERATOR OF CONSTRUCTION ACTIVITY OR OWNER CHANGES.

### CONTRACTOR'S RESPONSIBILITY FOR PREPARATION AND IMPLEMENTATION OF STORMWATER POLLUTION PREVENTION PLAN

- IT IS THE INTENT OF THE INFORMATION PROVIDED WITHIN THESE SPECIFICATIONS TO BE USED BY THE CONTRACTOR AS THE GENERAL GUIDELINES OF THE STORM WATER POLLUTION PREVENTION PLAN FOR THIS PROJECT TO ESTABLISH A MINIMUM BASIS OF COMPLIANCE WITH THE FEDERAL REGULATIONS.
- THE CONTRACTOR'S STORM WATER POLLUTION PREVENTION PLAN SHOULD ADDRESS THREE GOALS:
  - DIVERSION OF UPSLOPE WATER AROUND DISTURBED AREAS OF THE SITE;
  - LIMITS THE EXPOSURE OF DISTURBED AREAS TO THE SHORTEST DURATION POSSIBLE; AND
  - REMOVAL OF SEDIMENT FROM STORM WATER BEFORE IT LEAVES THE SITE.
- IF AREA OF PROJECT REQUIRES, THE CONTRACTOR SHALL PREPARE AND FILE FOR BOTH OWNER AND CONTRACTOR TO THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY STORM WATER & GENERAL PERMITS TEAM (TCEQ) NOTICE OF INTENT (NOI) FORMS BEFORE BEGINNING ANY CONSTRUCTION.
- THE CONTRACTOR SHALL MAKE THE STORM WATER POLLUTION PREVENTION PLAN AVAILABLE, UPON REQUEST, TO TCEQ.
- THE CONTRACTOR MUST AMEND PLANS WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE OF THE PLAN, OR WHEN THE EXISTING PLAN PROVE INEFFECTIVE. MODIFICATIONS INCLUDING DESIGN AND ALL ADDITIONAL MATERIALS AND WORK, SHALL BE ACCOMPLISHED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- STABILIZATION MEASURES ARE TO BE INSPECTED AT A MINIMUM OF ONCE EVERY 14 DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCHES. REPAIRS AND INADEQUACIES REVEALED BY THE INSPECTION MUST BE REMEDIED WITHIN 7 CALENDAR DAYS.
- ALL INSPECTION REPORTS SUMMARIZING INSPECTION ACTIVITIES, REMEDIAL ACTION TAKEN, AND ACTUAL IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN AND MADE PART OF THE PLAN.
- ALL CONTRACTORS AND SUBCONTRACTORS IDENTIFIED IN THE PLAN MUST CERTIFY AS TO AN UNDERSTANDING OF THE TPDES GENERAL PERMIT BEFORE CONDUCTING ANY ACTIVITY IDENTIFIED IN THE STORM WATER POLLUTION PREVENTION PLAN.
- THE CONTRACTOR SHALL ADOPT APPROPRIATE CONSTRUCTION SITE MANAGEMENT PRACTICES TO PREVENT THE DISCHARGE OF OILS, GREASE, PAINTS, GASOLINE, AND OTHER POLLUTANTS TO STORM WATER. APPROPRIATE PRACTICES CAN INCLUDE:
  - DESIGNATED AREAS FOR EQUIPMENT MAINTENANCE AND REPAIR;
  - REGULAR COLLECTION OF WASTE;
  - CONVENIENTLY LOCATED WATER RECEPTACLES; AND
  - DESIGNATING AND CONTROLLING EQUIPMENT WASH-DOWN.
- THE CONTRACTOR SHALL AMEND OR MODIFY THIS PLAN AS REQUIRED BY CONSTRUCTION MEANS, METHODS AND SEQUENCE. MODIFICATIONS SHALL NOT COMPROMISE THE INTENT OF THE REQUIREMENTS OF THE LAW OR THE PLANS. MODIFICATIONS SHALL NOT BE BASIS FOR ADDITIONAL COST TO THE OWNER.

- THE CONTRACTOR SHALL CONSTRUCT A STABILIZED CONSTRUCTION ENTRANCE AT ALL TRAFFIC ENTRANCE/EXIT POINTS PRIOR TO EXITING ONTO AND PAVED ROADWAYS. (SEE DETAIL 1.)
- THE CONTRACTOR SHALL PROTECT ALL POTENTIAL POINTS OF DISCHARGE OF RUNOFF (INLETS, GUTTERS, SWALES AND UNVEGETATED RESACA BANK AREAS) WITH SILT FENCING AS ON DETAILS 2 AND 3.

LEGEND	
	24" HIGH SILT FENCE

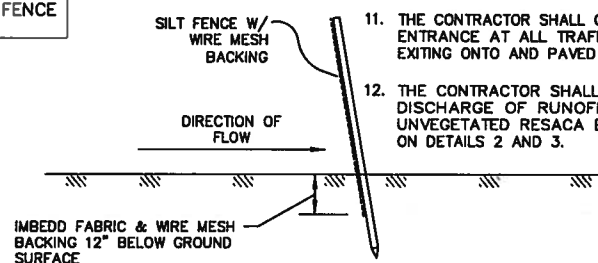
#### GENERAL NOTES:

- STONE SIZE - 1 1/2" TO 2 INCH OPEN GRADED ROCK.
- LENGTH - AS EFFECTIVE, BUT NOT LESS THAN 50 FEET.
- THICKNESS - NOT LESS THAN 8 INCHES.
- WIDTH - NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
- WASHING - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURSE USING APPROVED METHODS.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED WASHED, OR TRACKED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.
- DRAINAGE - ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

### 1 STABILIZED CONSTRUCTION ENTRANCE DETAIL

N.T.S.

MAY NOT BE NECESSARY IF EXISTING PAVED ENTRANCES ARE USED SUBJECT TO NOTES NO. 5 AND NO. 8

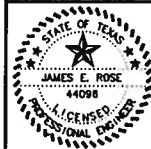


### 2 24" HIGH SILT FENCE INSTALLATION

N.T.S.

TO BE INSTALLED WHEREVER THERE IS POTENTIAL FOR RUNOFF TO LEAVE SITE OR ENTER DRAINAGE SYSTEM.

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PLANS FOR CONSTRUCTION OF  
CITY PARK  
IN  
SOUTH PADRE ISLAND, TEXAS

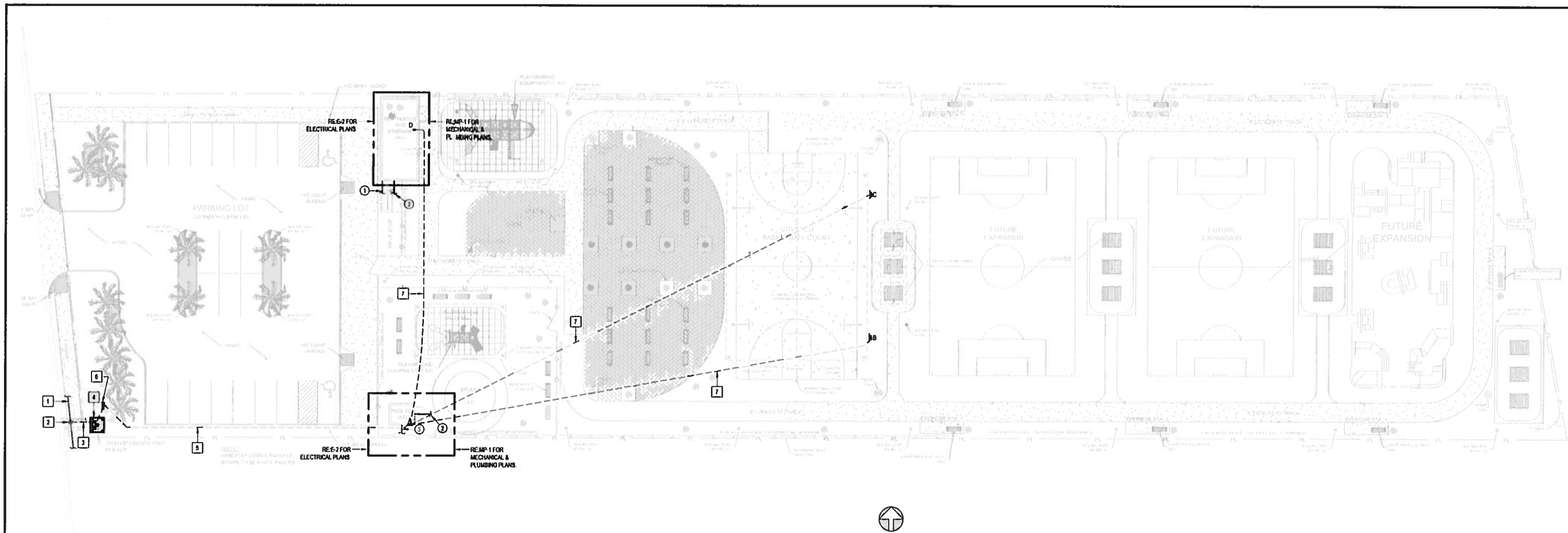
STORM WATER POLLUTION PREVENTION  
PLAN REQUIREMENTS

Scale: AS SHOWN Date: 7/30/15  
Designed by: s.s.alvarado  
Drawn by: s.s.alvarado  
Checked by: s.s.alvarado  
Approved by: s.s.alvarado  
Project No.: 10000

SHEET NO.

C10

OF 10



01 M.E.P. SITE PLAN  
SCALE: 1" = 20' 0"

GENERAL NOTES:

- COORDINATE WORK AMONG ALL DISCIPLINES. IT IS NOT THE INTENT OF THESE DOCUMENTS TO DICTATE WHO MUST DO THE WORK. ALL WORK SHOWN IS THE RESPONSIBILITY OF THE (PRIME) CONTRACTOR.
- FIELD VERIFY PROJECT SITE EXISTING CONDITIONS AND ELEVATIONS PRIOR TO BEGINNING ANY WORK.
- COORDINATE ELECTRICAL AND PLUMBING WITH GENERAL CONSTRUCTION.
- PHASING AND SEQUENCE OF CONSTRUCTION SHALL BE PER CIVIL DRAWINGS AND SPECIFICATIONS.
- FIELD VERIFY/SPOT EXACT LOCATIONS AND EXISTING CONDITIONS OF EXISTING PLUMBING, AND ELECTRICAL. IT IS THE INTENT OF THESE PLANS TO PROVIDE A COMPLETE AND WORKABLE SYSTEMS. SHOULD BIDDER FIND OMISSIONS OR DISCREPANCIES IN THE PLANS, BIDDER SHALL NOTIFY THE ENGINEER PRIOR TO THE BID DATE AND A WRITTEN CLARIFICATION WILL BE ISSUED.
- DAMAGED ITEMS SHALL BE REPAIRED AT NO ADDITIONAL COST TO OWNER. CONTRACTORS ARE REQUIRED TO SEARCH AND INVESTIGATE FOR EXISTING UTILITIES BEFORE EXCAVATING.
- 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. INCLUDE ALL COSTS OF CHANGES, IF/AS REQUIRED IN BID PROPOSAL.
- PROVIDE J-BOXES (POLYMER CONCRETE) AS REQUIRED FOR PULL WIRING.
- ELECTRICAL WIRING SHALL NOT BE SPLICED BELOW GRADE.
- PERFORM ALL WORK PER LATEST VERSION OF NATIONAL ELECTRICAL CODE, AND APPLICABLE LOCAL CODES AND ORDINANCES, UNLESS DRAWINGS OR SPECIFICATIONS HAVE MORE STRINGENT REQUIREMENTS.
- CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND FEES ASSOCIATED WITH PROJECT, INCLUDING FEES FOR INSPECTIONS, APPLICATIONS, AND PROVISION OF NEW SERVICES.
- CONTRACTOR WHO WILL ACTUALLY PERFORM WORK MUST APPLY FOR ALL REQUIRED PERMITS.
- NOTIFY ENGINEER OF ANY ASPECTS OF DESIGN WHICH ARE THOUGHT TO BE IN NONCOMPLIANCE WITH APPLICABLE CODES.
- COORDINATE ALL WORK WITH OTHER TRADES. COORDINATE SCHEDULE OF WORK WITH ALL SUB-CONTRACTORS TO ACHIEVE SMOOTH FLOW OF CONSTRUCTION.
- SEAL AROUND ELECTRICAL RACEWAYS AT ALL WALLS, A/C ROOMS AND WALL LOUVER PENETRATIONS WITH FIREPROOF CAULKING. RE. SPECS. PROVIDE FLASHING AROUND PENETRATION, BOTH INSIDE AND OUTSIDE, TO PROVIDE FINISHED LOOK.
- TIME OR MONEY ALLOWANCES WILL NOT BE MADE TO ACCOMMODATE UTILITY CONFLICTS THAT CAN BE REASONABLY RESOLVED BY COORDINATION DURING SHOP DRAWING PHASE.
- CONTRACTOR SHALL REVIEW COMPLETE DOCUMENTS PRIOR TO SUBMITTAL OF PROPOSAL TO GAIN COMPLETE UNDERSTANDING OF PROJECT SCOPE, WORK BY OTHERS, AND ELECTRICAL WORK ASSOCIATED WITH OTHER DISCIPLINES.
- MAINTAIN MANUFACTURER RECOMMENDED CLEARANCE AROUND ALL EQUIPMENT.
- AFFIX ID TAGS TO ALL DIVISION 26 EQUIPMENT.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH PLUMBING CONTRACTOR REGARDING EQUIPMENT SIZES AND TYPES OF ELECTRICAL INTERFACE EQUIPMENT REQUIRED.
- FIELD VERIFY ALL CONDITIONS AND MEASURE DIMENSIONS WITHIN THE BUILDING PRIOR TO ORDERING EQUIPMENT AND/OR PROCEEDING WITH INSTALLATION.
- ALL EQUIPMENT SHALL BE FACTORY TESTED, AND CONTRACTOR SHALL VERIFY THEIR CONDITION PRIOR TO INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT DAMAGED DURING MOVING AND INSTALLATION.
- EQUIPMENT FOUND DEFECTIVE PRIOR TO FINAL ACCEPTANCE SHALL BE REPLACED AT NO COST TO OWNER.
- WORK TO BE DONE UNDER ALLOWANCES BECOMES AN INTEGRAL PART OF THE PROJECT AND RESPONSIBILITY OF CONTRACTOR ONCE ALLOWANCE IS APPROVED.
- SLEEVE ALL EXTERIOR WALL PENETRATIONS.
- CONTRACTOR SHALL NOT PROCEED WITH ANY WORK INVOLVING A CHANGE IN PROJECT SCOPE OR COST WITHOUT FIRST HAVING OBTAINED ENGINEER'S APPROVAL IN WRITING. UNLESS ENGINEER HAS AGREED TO SUCH CHANGE PRIOR TO IT BEING DONE, AND HAS AGREED THAT AN INCREASE IN COST ASSOCIATED WITH SUCH CHANGE IS WARRANTED. CONTRACTOR WILL NOT BE REIMBURSED FOR SUCH CHANGE.

ELECTRICAL KEYED NOTES:

- EXISTING ELECTRIC UTILITY OVERHEAD SERVICE LINES
- PROVIDE NEW ELECTRIC UTILITY POWER POLE WITH RISER DIP POLE
- PROVIDE NEW UNDERGROUND PRIMARY ELECTRIC LINE
- PROVIDE NEW ELECTRIC UTILITY PAD MOUNT TRANSFORMER AND CONCRETE PAD.
- PROVIDE NEW UNDERGROUND SECONDARY ELECTRIC LINE
- PROVIDE NEW ELECTRIC UTILITY SERVICE METER AND MAIN SWITCH.
- PROVIDE NEW FEEDER TO NEW PANELBOARDS/ENCLOSED BREAKER.

PLUMBING KEYED NOTES:

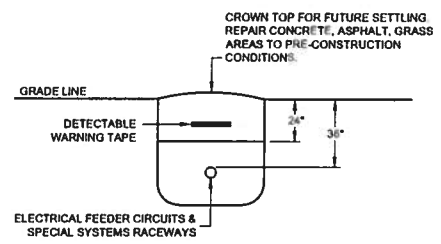
- PROVIDE 1" DOMESTIC WATERLINE. SEE CIVIL DRAWINGS FOR CONNECTION AND CONTINUATION.
- PROVIDE 4" SANITARY SEWER LINE. PROVIDE TWO WAY YARD CLEANOUT (NOT SHOWN FOR CLARITY). SEE CIVIL DRAWINGS FOR CONNECTION AND CONTINUATION.
- PROVIDE 1" DOMESTIC WATERLINE. SEE CIVIL DRAWINGS FOR CONNECTION AND CONTINUATION.

CLEAR TRENCH OF ALL ROCKS AND DEBRIS BEFORE ADDING SAND CUSHION.

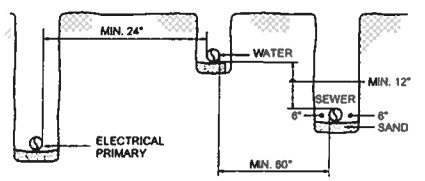
COMPACT TRENCH FILL TO 95% PROCTOR DENSITY.

MAINTAIN A MINIMUM OF 60 INCHES UNDISTURBED EARTH BETWEEN PARALLEL WATER AND SEWER LINES OR SUPPORT WATER LINE ON SEPARATE SHELF A MINIMUM OF 12" ABOVE SEWER LINE. MAINTAIN A

MINIMUM OF 24" HORIZONTALLY BETWEEN ELECTRICAL PRIMARY AND SEWER. MAINTAIN A MINIMUM OF 12" VERTICALLY OR 24" HORIZONTALLY BETWEEN ELECTRICAL PRIMARY AND WATER LINES, GAS LINES, TELEPHONE RACEWAYS AND CABLE RACEWAYS.



BURIAL DETAIL  
03 FOR ELECTRICAL RACEWAYS  
SCALE: NONE



TRENCHING DETAIL  
02  
SCALE: NONE

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**CEGAR A. GONZALEZ**  
108611

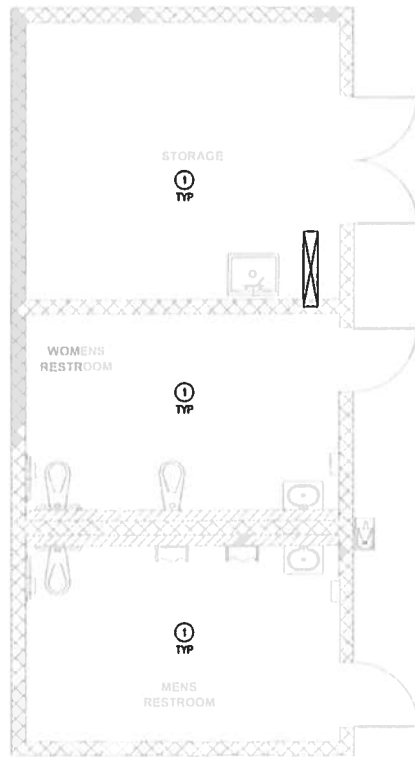
**thos**  
1800 VALLEY VIEW BLVD., SUITE 100  
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PLANS FOR CONSTRUCTION OF  
CITY PARK  
IN  
SOUTH PADRE ISLAND, TEXAS

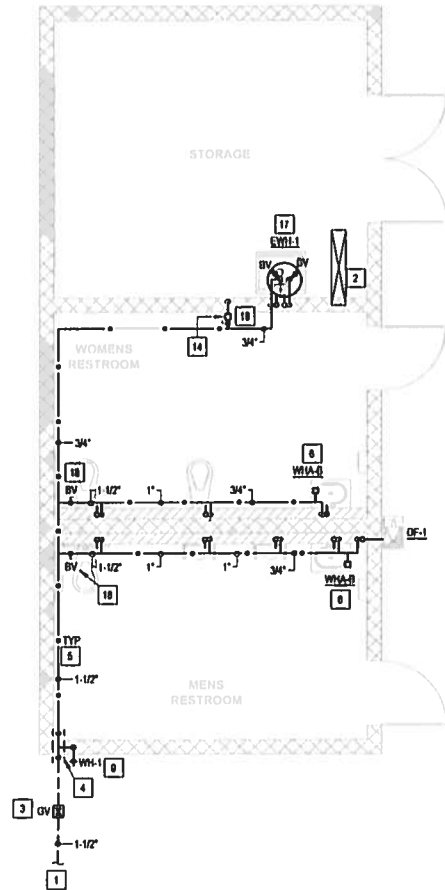
M.E.P. SITE PLAN

Scale: AS SHOWN Date: 07/31/2015  
Designed by: C.G. P.M.  
Drawn by: C.G. P.M.  
Checked by: R.K.  
Approved by: C.A.G.  
Project No.: 14405

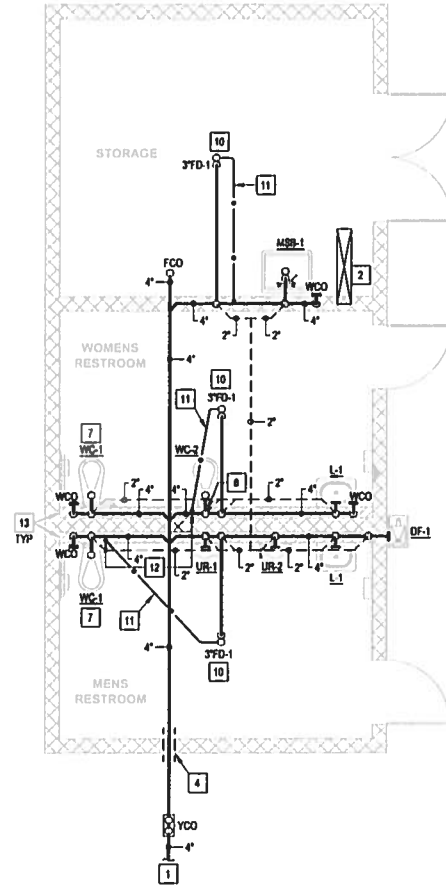
SHEET NO.  
**MEP-1**



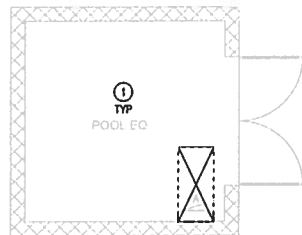
01 MECHANICAL PLAN RESTROOM BLDG  
SCALE: 1/4" = 1'-0"



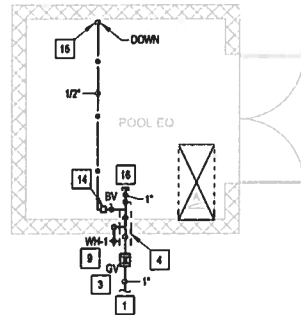
02 PLUMBING PLAN RESTROOM BLDG.  
SCALE: 1/4" = 1'-0"



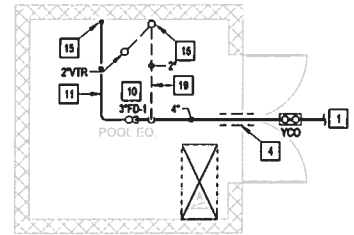
03 WASTE & VENT PLAN RESTROOM BLDG.  
SCALE: 1/4" = 1'-0"



04 MECHANICAL PLAN POOL EQUIP. RM.  
SCALE: 1/4" = 1'-0"



05 PLUMBING PLAN POOL EQUIP. RM.  
SCALE: 1/4" = 1'-0"



06 WASTE & VENT PLAN POOL EQUIP. RM.  
SCALE: 1/4" = 1'-0"

## GENERAL NOTES:

- ALL PLUMBING WORK SHALL BE IN COMPLIANCE WITH ALL APPLICABLE CODES AS ADAPTED AND AMENDED BY THE INSPECTING AUTHORITIES.
- DRAWING IS DIAGRAMMATIC ONLY. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF PIPING, DEVICES AND EQUIPMENT WITH BUILDING ELEMENTS AND THE WORK OF OTHER TRADES.
- ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID CONFLICT WITH THE WORK OF OTHER TRADES. COORDINATE WITH MECHANICAL, ELECTRICAL AND STRUCTURAL FOR PROPER CLEARANCES.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASING AND SEQUENCE OF CONSTRUCTION WORK.
- COORDINATE WORK AMONG ALL DISCIPLINES. IT IS NOT THE INTENT OF THESE DOCUMENTS TO DICTATE WHO MUST DO THE WORK. ALL WORK SHOWN IS THE RESPONSIBILITY OF THE PRIME CONTRACTOR.
- SLEEVE ALL OUTSIDE WALLS, FOUNDATION GRADE BEAMS, INTERIOR WALL PENETRATIONS, AND FIRE SEAL ALL PENETRATION THROUGH FIRE WALLS AND FLOORS WHETHER SHOWN ON PLANS OR NOT.
- PROVIDE MINIMUM 15' OF SEPARATION BETWEEN HVAC INTAKES AND VENT THRU ROOFS.
- RECORD INVERT ELEVATIONS OF ALL YARD CLEAN OUT (YCO) ON "AS-BUILT" DRAWINGS.
- PROVIDE SHUT-OFF VALVES (STOPS) ON ALL ROUGH-INS TO FIXTURES AND EQUIPMENTS.
- PROVIDE WATER HAMMER ARRESTORS AS INDICATED ON THE DRAWINGS. AIR CHAMBERS NOT AN APPROVED SUBSTITUTE.
- PROVIDE ANY BACKFLOW PREVENTION DEVICE REQUIRED BY CODE OR LOCAL AUTHORITIES. CONTRACTOR SHALL VERIFY THIS WITH CITY AND LOCAL AGENCIES AND INCLUDE COST IN BID. CONTRACTOR TO HAVE BACK FLOWS CERTIFIED.
- REFER TO PLUMBING FIXTURE ROUGH-IN SCHEDULE FOR INDIVIDUAL PIPE CONNECTIONS TO FIXTURES.
- PRIOR TO POURING FOUNDATION AND ERECTING CMU WALLS, COORDINATE INSTALLATION OF PLUMBING FIXTURE CARRIERS WITH GENERAL CONTRACTOR.
- WATER CLOSETS, URINALS, LAVATORIES, AND DRINKING FOUNTAINS, ARE SPECIFIED BY ARCHITECT/OWNER. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION AND CONNECTION TO PROVIDE A FULL OPERATIONAL SYSTEM.
- PARTITIONS IN BETWEEN FIXTURES ARE SPECIFIED BY ARCHITECT/OWNER.

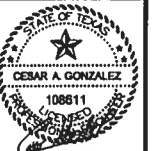
## MECHANICAL KEYED NOTES:

- ARCHITECT TO PROVIDE 20% OF (MIN.) FREE OPEN AREA FOR CROSSED VENTILATION PURPOSES IN RESTROOMS.

## PLUMBING KEYED NOTES:

- REFER TO CIVIL DRAWINGS FOR UTILITY CONTINUATION.
- CLEARANCE FOR ELECTRICAL PANELS. ROUTE NO PIPING OVER THIS AREA. REFER TO ELECTRICAL PLANS FOR EXACT LOCATION OF ELECTRICAL ROOMS.
- PROVIDE GATE VALVE IN QUARTZITE BOX. SEE ASSOCIATED DETAIL ON DETAIL SHEET.
- SLEEVE ALL GRADE BEAMS, FLOOR SLABS AND MASONRY WALL PENETRATIONS PER DETAIL WHETHER SPECIFICALLY INDICATED ON PLANS OR NOT.
- PROVIDE PIPING SUPPORT AS PER SPECS AND DETAIL. SEE ASSOCIATED DETAIL ON DETAIL SHEET - TYPICAL.
- PROVIDE WATER HAMMER ARRESTOR (WHA), MIFAB OR APPROVED EQUAL. INDICATED MODEL (A,B,C,D,E,F) AS PER MIFAB SIZING CHART. PROVIDE 12"x12" ACCESS PANEL WHERE INSTALLED IN AN INACCESSIBLE AREA. ACCESS PANEL EQUAL TO ACUDOR MODEL UF5000 WITH CYLINDER LOCK AND KEY AND PAINT TO MATCH THE WALL/CEILING. (TYPICAL)
- INSTALL WATER CLOSET FLUSH VALVE HANDLE TOWARDS WIDE SIDE OF THE ROOM. COORDINATE WITH GENERAL CONTRACTOR.
- PROVIDE 3" VENT UP TO 3" VENT THRU ROOF.
- PROVIDE WALL HYDRANT AS SCHEDULED. PROVIDE CLOSE COUPLED HYDRANT TO ENSURE PIPE TURNS UP INSIDE BLOCK WALL. COORDINATE WALL THICKNESS WITH WALL HYDRANT MANUFACTURER DATA - TYPICAL.
- PROVIDE FLOOR DRAIN AS SCHEDULED. SET FLUSH WITH FINISHED FLOOR. SEE ASSOCIATED DETAIL ON DETAIL SHEET.
- 1/2" SOFT DRAWN COPPER FROM TRAP-PRIMER. ENCASE PIPING INSIDE MASONRY WALL AND UNDER FLOOR SLAB IN POLYETHYLENE SLEEVE. "POLY-SLEEVE" OR EQUAL.
- CONNECT TO WATER CLOSET (WC) FLUSH VALVE TRAP-PRIMER. SEE ASSOCIATED DETAIL ON DETAIL SHEET.
- WOOD STUD PARTITION PROVIDED BY ARCHITECT TO ACCOMMODATE PLUMBING PIPING. DO NOT PENETRATE WOOD STUDS WITH PLUMBING PIPING. ALL PIPING SHALL BE ROUTED VERTICALLY IN BETWEEN STUDS.
- PROVIDE A PPP MODEL PR-500 TRAP PRIMER OR APPROVED EQUAL. TAP FROM TOP OF COLD WATER LINE AND DOWN IN WALL CAVITY TO FLOOR DRAIN. INSTALL AS PER MANUFACTURER RECOMMENDATIONS. SEE ASSOCIATED DETAIL ON DETAIL SHEET.
- PAINT EXPOSED PIPING TO MATCH ARCHITECTURAL FINISH.
- CONNECT WATER LINE TO POOL EQUIPMENT AS PER MANUFACTURERS INSTRUCTIONS. COORDINATE WITH POOL EQUIPMENT CONTRACTOR.
- PROVIDE WALL MOUNTED ELECTRIC WATER HEATER AS PER SCHEDULE AND DETAIL.
- PROVIDE BRONZE ISOLATION BALL VALVE ABOVE CEILING OR BEHIND WALL. PROVIDE 12"x12" ACCESS PANEL WHERE INSTALLED IN AN INACCESSIBLE AREA. ACCESS PANEL EQUAL TO ACUDOR MODEL UF5000 WITH CYLINDER LOCK AND KEY AND PAINT TO MATCH THE WALL/CEILING. PROVIDE VALVE IDENTIFICATION TAGS AS PER SPECIFICATIONS. (TYPICAL)
- SANITARY VENT BELOW SLAB.

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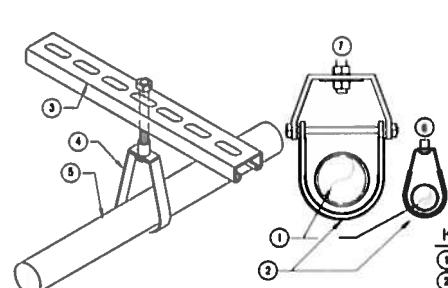
PLANS FOR CONSTRUCTION OF  
CITY PARK  
IN  
SOUTH PADRE ISLAND, TEXAS

MECHANICAL/PLUMBING PLANS

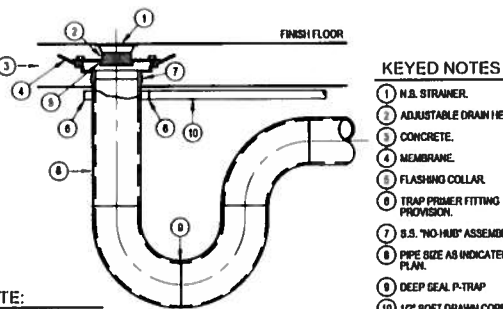
Scale: AS SHOWN Date: 07/31/2015  
Designed by: P.M.  
Drawn by: P.M.  
Checked by: R.K.  
Approved by: C.A.G.  
Project No.: 1405

SHEET NO.

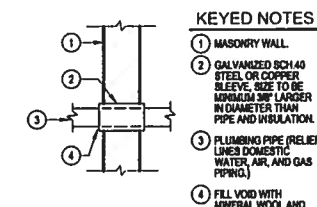
MP-1



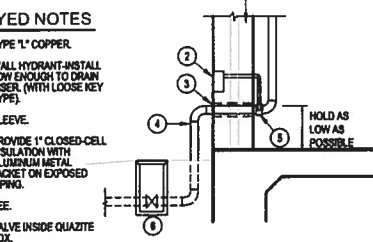
**01 DOMESTIC WATER LINE PIPING SUPPORT DETAIL**  
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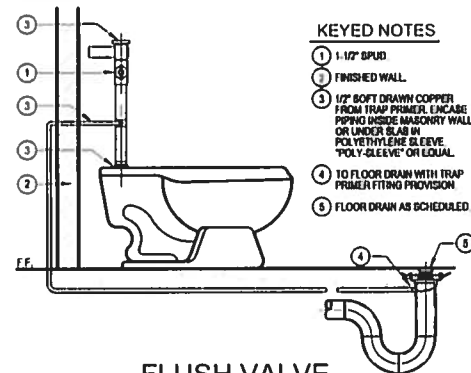
**04 FD-1 FLOOR DRAIN WITH TRAP PRIMER DETAIL**  
SCALE: NOT TO SCALE



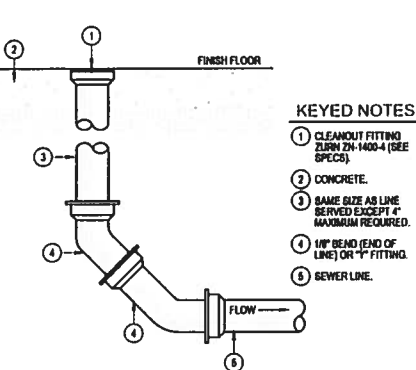
**07 WALL SLEEVE DETAIL**  
SCALE: NOT TO SCALE



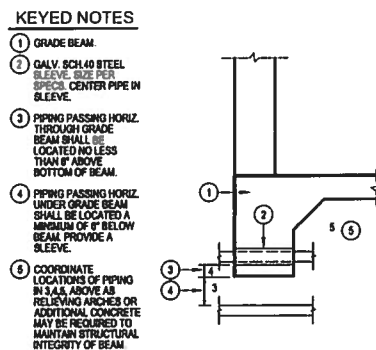
**10 WATER ENTRANCE DETAIL**  
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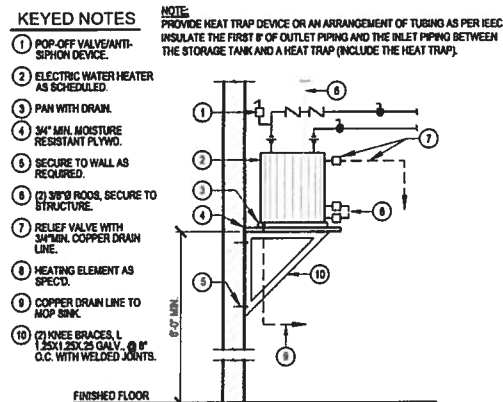
**02 FLUSH VALVE TRAP PRIMER DETAIL**  
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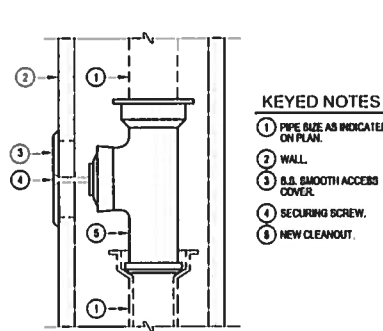
**05 FLOOR CLEANOUT DETAIL**  
SCALE: NOT TO SCALE



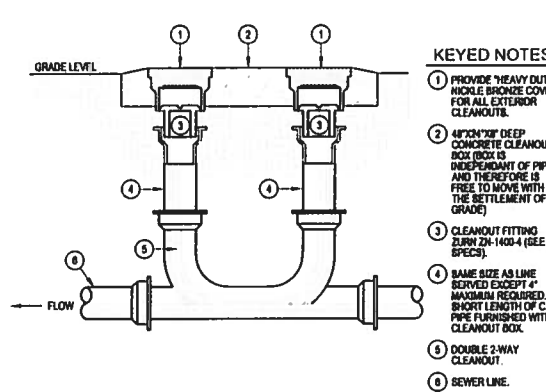
**08 GRADE BEAM SLEEVE DETAIL**  
SCALE: NOT TO SCALE



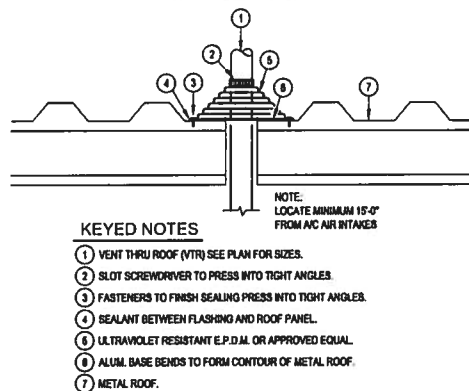
**11 WALL MOUNT ELECTRIC WATER HEATER**  
SCALE: NOT TO SCALE



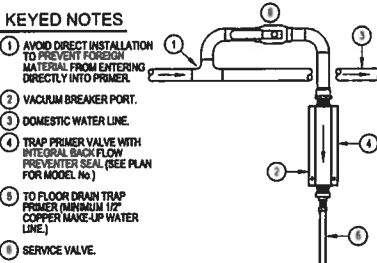
**03 WALL CLEANOUT DETAIL**  
SCALE: NOT TO SCALE



**06 2-WAY YARD CLEANOUT DETAIL**  
SCALE: NOT TO SCALE



**09 METAL ROOF AREAS VENT THRU ROOF DETAIL**  
SCALE: NOT TO SCALE



**12 TRAP PRIMER CONNECTION DETAIL**  
SCALE: NOT TO SCALE

## PLUMBING FIXTURE SCHEDULE

MARK	MANUFACTURER & MODEL NUMBER	DESCRIPTION	WASTE	VENT	CW	HW	NOTES	REMARKS
WC-1	BY ARCHITECT/OWNER	BY ARCHITECT/OWNER FOR ADULT ADA MOUNTING	4"	2"	1"	-	1,2,4,5,6	-
WC-2	BY ARCHITECT/OWNER	BY ARCHITECT/OWNER FOR ADULT STANDARD MOUNTING	4"	2"	1"	-	1,2,4,5,6	-
UR-1	BY ARCHITECT/OWNER	BY ARCHITECT/OWNER FOR ADULT STANDARD MOUNTING	2"	2"	3/4"	-	1,2,4,5,6	-
UR-2	BY ARCHITECT/OWNER	BY ARCHITECT/OWNER FOR ADULT ADA MOUNTING	2"	2"	3/4"	-	1,2,4,5,6	-
L-1	BY ARCHITECT/OWNER	BY ARCHITECT/OWNER FOR ADULT ADA MOUNTING	2"	2"	3/4"	-	3,5,6	-
WH-1	ZURN # 21350 HYDRANT	ENCASED MODERATE CLIMATE WALL HYDRANT FOR NARROW WALL, CHROME, SCREWDRIVER OPERATED STOP VALVE IN SUPPLY, KEY OPERATED CONTROL VALVE, STAINLESS STEEL BOX WITH HINGED COVER	-	-	3/4"	-	5,6	-
FD-1	ZURN # ZM150-P	BOOY ASSEMBLY WITH TYPE 8 STRAINER, DURA COATED CAST IRON BODY WITH BOTTOM OUTLET INVERTED MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH TRAP PRIMER CONNECTION	3"	2"	-	-	5,6	-
DF-1	BY ARCHITECT/OWNER	BY ARCHITECT/OWNER	2"	-	3/4"	-	5,6	-
MSB-1	FIAT MSB 2424 MOP BASIN # 832-AA HOSE & BRACKET # 830-AA FAUCET # 889-CC MOP BRACKET # MSO 3624 WALL GUARD # 1453-BB STRAINER	24X24X12 MOLDED STONE MOP SERVICE BASIN WITH HOSE AND HOSE BRACKET, FAUCET, MOP BRACKET, WALL GUARD AND STRAINER	2"	2"	3/4"	3/4"	5,6	-

- NOTES:
1. INSTALL FLUSH VALVE ON THE WIDE SIDE OF STALL.
  2. REFER TO PLUMBING PLAN FOR FIXTURES THAT WILL REQUIRE TRAP PRIMER CONNECTIONS. PROVIDE SLOAN VBF-72 OR APPROVED EQUAL.
  3. PROVIDE TRUEBRO LAVATORY GUARD MODEL #103 COLOR WHITE. COVER SHALL BE SECURED WITH SNAP-UP FLUSH REUSABLE FASTENERS. ANGLE STOPS SHALL HAVE LOCK-UP LOCKING ACCESS COVERS.
  4. PROVIDE ADA APPROVED LEVERS & FLUSH VALVE HANDLES FOR ALL ADA PLUMBING FIXTURES.
  5. MANUFACTURER AND MODEL NUMBER ARE 'OR APPROVED EQUAL'.
  6. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS.

## ELECTRIC WATER HEATER SCHEDULE

MARK	LOCATION	GALLON CAPACITY	KW	NUMBER OF ELEMENTS	RECOVERY IN GPH AT 120°F RISE	ELECTRICAL V / PH / HZ	MANUFACTURER MODEL NUMBER	NOTES
EW-1	SEE PLAN	10	3	3	10	200V/1Ø	RHEEM EGS10	ALL

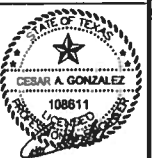
- NOTES:
1. MANUFACTURER AND MODEL NUMBER ARE 'OR APPROVED EQUAL'.
  2. PROVIDE IMMERSION TYPE THERMOSTAT.

## PLUMBING SYMBOLS LEGEND

SYMBOL ABBREVIATION	DESCRIPTION	SYMBOL ABBREVIATION	DESCRIPTION
—•—•—•—	COLD WATER SUPPLY	A.F.F.	ABOVE FINISH FLOOR
—•••—•••—	HOT WATER SUPPLY	WC	WATER CLOSET
—•—•—•—	SOL. & WASTE LINE	L	LAVATORY
—•—•—•—	VENT LINE - ENLARGED PLANS	SK	SHRINK
—•—•—•—	ACID WASTE	SHR	SHOWER
—•—•—•—	FLOOR CLEANOUT - 2 WAY	TUB	TUB
—•—•—•—	FLOOR DRAIN (FD) WITH DEEP SEAL TRAP	RD	ROOF DRAIN
—•—•—•—	YARD CLEANOUT	TP	TRAP PRIMER
—•—•—•—	YARD CLEANOUT - 2 WAY	EW-1	ELECTRIC WATER HEATER
—•—•—•—	HOSE BIBB	IEWH	INSTANTANEOUS WATER HEATER
—•—•—•—	WALL CLEANOUT	VTR	VENT THRU ROOF
—•—•—•—	STORM DRAINAGE LINE	CO	CLEANOUT
—•—•—•—	TEMPERED WATER	—•—•—•—	FLOOR SINK
—•—•—•—	*WATER HAMMER	—•—•—•—	*BALL VALVE
—•—•—•—	*GATE VALVE (GV)	—•—•—•—	VALVE IN RISER TYPE AS NOTED
—•—•—•—	GREASE WASTE	—•—•—•—	FLOOR CLEANOUT
		—•—•—•—	GREASE TRAP

\* PROVIDE 12"x12" ACCESS PANEL WHERE INSTALLED IN AN INACCESSIBLE AREA.

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PLANS FOR CONSTRUCTION OF  
CITY PARK  
IN  
SOUTH PADRE ISLAND, TEXAS






MECHANICAL/PLUMBING  
SCHEDULES & DETAILS

Scale: AS SHOWN Date: 07/31/2015  
Designed by: P.M.  
Drawn by: P.M.  
Checked by: R.K.  
Approved by: C.A.C.  
Project No.: 14x05

SHEET NO.


MP-2

LIGHTING SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
	SURFACE WRAP AROUND LIGHT FIXTURE	----
	SURFACE WRAP AROUND EMERGENCY LIGHT FIXTURE CONNECT BATTERY PACK TO BE ON AT ALL TIMES (UNSWITCHED)	----
	SINGLE FACE EXIT SIGN (DIRECTIONAL ARROWS WHERE INDICATED)	----
	DOUBLE FACE EXIT SIGN (DIRECTIONAL ARROWS WHERE INDICATED)	----
	EMERGENCY LIGHTING UNIT	8'-0" AFF







NOTE:  
1) REFERENCE LIGHT FIXTURE SCHEDULE FOR ALL MOUNTING HEIGHTS.

WIRING DEVICES SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
S	SINGLE POLE TOGGLE SWITCH	4' AFF
S <sub>3</sub>	THREE WAY TOGGLE SWITCH	4' AFF
S <sub>K</sub>	KEYED TOGGLE SWITCH - CORDW TYPE	4' AFF
S <sub>T</sub>	1P TOGGLE SWITCH-THERMAL TYPE (SQUARE 1" CLASS 2510 W/ RED PILOT LIGHT & HANDLE GUARD) LOCK OFF	AS REQUIRED
	DIGITAL OUTDOOR PHOTO CELL WALL MOUNTED (LCAD)	17' AFF











NOTE:  
1) 4' AFF INDICATES TO TOP OF DEVICE.  
ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE.

WIRING DEVICES SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
	DUPLEX RECEPTACLE	18" AFF
	DUPLEX RECEPTACLE W/ GROUND FAULT INTERRUPTING TYPE	18" AFF
	DUPLEX RECEPTACLE - WHILE IN USE WEATHERPROOF TYPE	18" AFF
	SPECIAL RECEPTACLE - TYPE AS NOTED	18" AFF
	JUNCTION BOX W/ BLANK COVERPLATE	AS REQUIRED
	POLYMER CONCRETE PULL BOX W/ LOGO COVER	AS REQUIRED

NOTES:  
1) 18" AFF INDICATES TO TOP OF DEVICE.  
ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE.  
UNO INDICATES UNLESS NOTED OTHERWISE.

GENERAL SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
	DISCONNECT SWITCH - NON FUSED	AS REQUIRED
	DISCONNECT SWITCH - FUSED	AS REQUIRED
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH	AS REQUIRED
	MOTOR STARTER	AS REQUIRED
	EQUIPMENT CONNECTION	AS REQUIRED
	ELECTRICAL PANELBOARD - SURFACE MOUNTED	AS REQUIRED
	ELECTRICAL PANELBOARD - RECESSED FLUSH MOUNTED	AS REQUIRED
	UNDERGROUND RACEWAY	AS REQUIRED
	CONCEALED RACEWAY	AS REQUIRED
	CONDUIT OR EMT HOMERUN TO PANELBOARD CONCEALED IN WALLS OR ABOVE CEILING. LONG CROSSMARKS DENOTE NUMBER OF "HOT" CONDUCTORS SHORT CROSSMARKS INDICATE NEUTRALS AND DOTS INDICATE NUMBER OF GROUND CONDUCTORS. ARROW INDICATES HOMERUN TO ELECTRICAL PANEL.	AS REQUIRED

ABBREVIATIONS:

A	AMPS	EF	EXHAUST FAN	MECH	MECHANICAL
ABC	ABOVE CEILING LINE	EMS	ENERGY MANAGEMENT SYSTEM	MS	MOTOR STARTER
AC	ABOVE COUNTER BACKSPLASH	EXT.	EXTERNAL OR EXTERIOR	NTS	NOT TO SCALE
ACCU	AIR COOLED CONDENSING UNIT	FACP	FIRE ALARM CONTROL PANEL	OA	OUTSIDE AIR
AHU	AIR HANDLING UNIT	FCU	FAN COIL UNIT	OAU	OUTSIDE AIR UNIT
AFF	ABOVE FINISHED FLOOR	FD	FIRE DAMPER	PA	PUBLIC ADDRESS
B	BOTTOM	FS	FLAT SCREEN	PH	PHASE
BLC	BELOW CEILING LINE	G	GROUND	RM	ROOM
C	CONDUIT OR COMMON	GA	GAGE	SS	STAINLESS STEEL
CLG	CEILING	GALV.	GALVANIZED	TSTAT	THERMOSTAT
COMB.	COMBINATION	GRND	GROUND	UG	UNDERGROUND
COND.	CONDUIT	HP	HORSEPOWER	UNO	UNLESS OTHERWISE NOTED
CU	COPPER	HVAC	HEATING, VENTILATION, & AIR-CONDITIONING	V	VOLTS
DDC	DIRECT DIGITAL CONTROLS			VAV	VARIABLE AIR VOLUME
DISC.	DISCONNECT	IG	ISOLATED GROUND	VFD	VARIABLE FREQUENCY DRIVE
EDH	ELECTRIC DUCT HEATER	INT.	INTRUSION DETECTION	WACU	WALL AIR CONDITIONING UNIT
				W	WIRE

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PLANS FOR CONSTRUCTION OF  
CITY PARK  
IN  
SOUTH PADRE ISLAND, TEXAS

ELECTRICAL GENERAL NOTES  
SYMBOLS LEGEND & ABBREVIATIONS

Scale: AS SHOWN	Date: 07/31/2015
Designed by: C.G.	
Drawn by: C.G.	
Checked by: R.K.	
Approved by: C.A.G.	
Project No.: 1405	

SHEET NO.

E-1



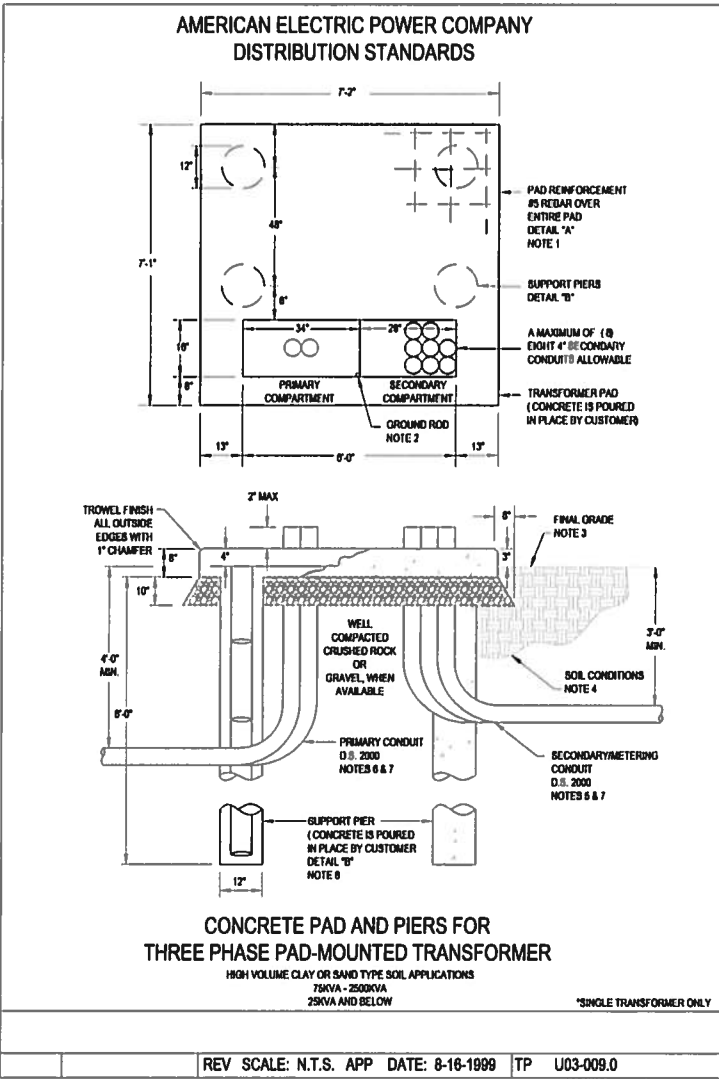
(1) MEANS OF DISCONNECT IS THE CIRCUIT BREAKER (WITHIN SIGHT).  
LOCATE EQUIPMENT MEANS OF DISCONNECT WITHIN EQUIPMENT SIGHT. DO NOT INSTALL ON EQUIPMENT OR BELOW PLUMBING LINES.

CALLOUT	LAMP	DESCRIPTION	BALLAST	MOUNTING	MODEL	INPUT WATTS	VOLTS	NOTE 1
A2	(2) F32T8/SP41	8" X 48" VANDAL RESISTANT ENCLOSED FIBERGLASS FLUORESCENT	ELECTRONIC	SURFACE	BY ARCHITECT/OWNER	59	120V 1P 2W	
A2E	(2) F32T8/SP41	8" X 48" VANDAL RESISTANT ENCLOSED FIBERGLASS FLUORESCENT	ELECTRONIC	SURFACE	BY ARCHITECT/OWNER	59	120V 1P 2W	FURNISH WITH AN EMERGENCY BATTERY PACK.
B	(1) F32T8X/SP41	VANDAL RESISTANT WALL-PAK	ELECTRONIC	SURFACE	BY ARCHITECT/OWNER	34	120V 1P 2W	FURNISH U.L. LISTED FOR WET LOCATION. FINISH TO BE SELECTED AT A LATER DATE.

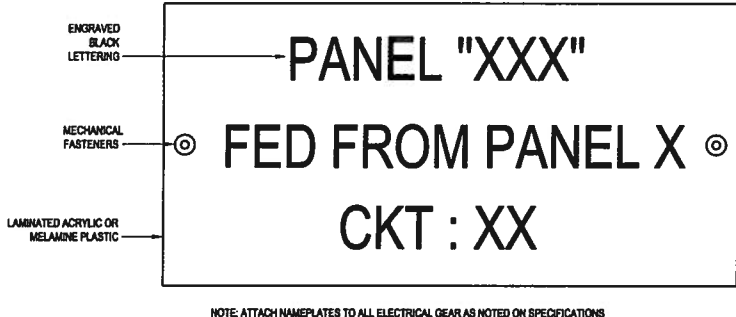


SIZING METHOD: COPPER 75°C

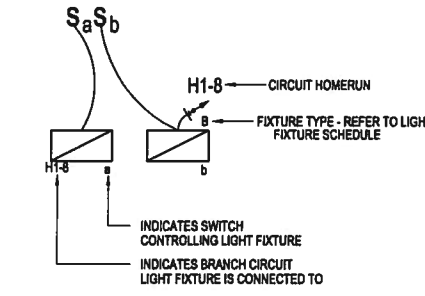
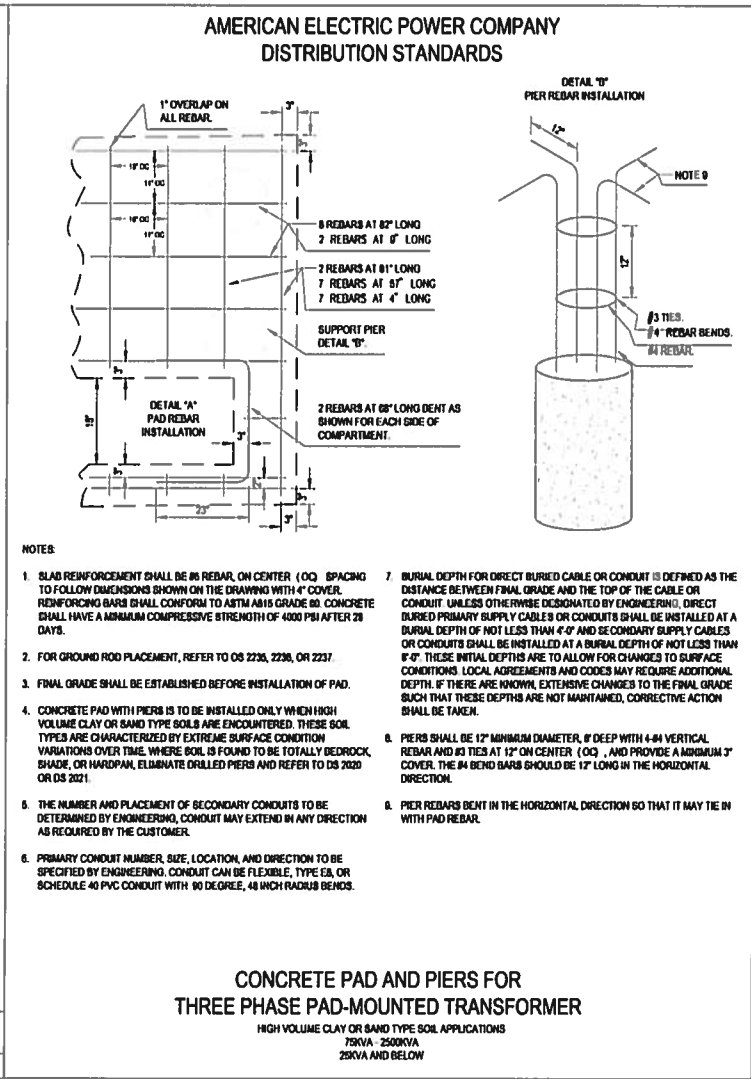




01 AEP TRANSFORMER  
CONCRETE PAD DETAIL  
SCALE: NOT TO SCALE



03 EQUIPMENT  
IDENTIFICATION LABEL DETAIL  
SCALE: NOT TO SCALE



02 LIGHTING LEGEND DETAIL

**A**

ROOM MOUNTING SURFACE	VOLTS 208Y/120V 3P 4W	AIC 22,000
FED FROM UTILITY	BUS AMPS 200	MAIN BKR 125
NOTE: PROVIDE A NEMA 4 REINFORCED FIBERGLASS ENCLOSURE.	NEUTRAL 100%	LUGS STANDARD

CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA		
			A	B	C				A	B	C
1	302	(HP) FILTER PUMP	1.33	1.33		2	252	(HP) FEATURE PUMP	0.96	0.96	
3						6	201	LIGHTING, RECEPT			0.701
5	603	PANEL B	4.5		1.33	8	603	PANEL C	4.5		
7				3		10				3	
11					3	12					3
13	302	PANEL D	3.58			14	202	SPACE	0		
15				2.07		16				0	
17	201	SPACE	0		0	18	303	SPACE	0		
19	201	SPACE				20				0	
21	201	SPACE				22				0	
23	201	SPACE			0	24				0	
TOTAL CONNECTED KVA BY PHASE									14.9	10.4	8.03

CONN KVA			CALC KVA			CONN KVA			CALC KVA		
LIGHTING	0.728	0.91	(125%)	CONTINUOUS	0	0	(125%)				
LARGEST MOTOR	3.99	4.86	(125%)	HEATING	0	0	(N/A)				
OTHER MOTORS	1.82	1.82	(100%)	COOLING	0	0	(N/A)				
RECEPTACLES	23.6	18.6	(80%-10)	NONCONTINUOUS	3	3	(100%)				
KITCHEN EQUIP	0	0	(N/A)	DIVERSE	0	0	(N/A)				
				METERED DEMAND	0	0	(125%)				
TOTAL KVA				33.2	27.8						
BALANCED 3-PHASE AMPS					78.7						

**B**

ROOM MOUNTING SURFACE	VOLTS 208Y/120V 3P 4W	AIC 10,000
FED FROM A	BUS AMPS 100	MAIN BKR 60
NOTE: PROVIDE A NEMA 4 REINFORCED FIBERGLASS ENCLOSURE.	NEUTRAL 100%	LUGS STANDARD

CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA		
			A	B	C				A	B	C
1	201	RECEPT	1.5			2	201	RECEPT	1.5		
3	201	RECEPT		1.5		4	201	RECEPT		1.5	
5	201	RECEPT			1.5	6	201	RECEPT			1.5
7	201	RECEPT	1.5			8	201	SPACE	0		
9	201	SPACE		0		10	201	SPACE		0	
11	201	SPACE			0	12	201	SPACE			0
13	201	SPACE	0		0	14	201	SPACE		0	
15	201	SPACE		0		16	201	SPACE			0
17	201	SPACE			0	18	201	SPACE			0
TOTAL CONNECTED KVA BY PHASE									4.5	3	3

CONN KVA			CALC KVA			CONN KVA			CALC KVA		
LIGHTING	0	0	(125%)	CONTINUOUS	0	0	(125%)				
LARGEST MOTOR	0	0	(N/A)	HEATING	0	0	(N/A)				
OTHER MOTORS	0	0	(100%)	COOLING	0	0	(N/A)				
RECEPTACLES	10.5	10.3	(80%-10)	NONCONTINUOUS	0	0	(100%)				
KITCHEN EQUIP	0	0	(N/A)	DIVERSE	0	0	(N/A)				
				METERED DEMAND	0	0	(125%)				
TOTAL KVA				10.5	10.3						
BALANCED 3-PHASE AMPS					28.1						

**C**

ROOM MOUNTING SURFACE	VOLTS 208Y/120V 3P 4W	AIC 10,000
FED FROM A	BUS AMPS 100	MAIN BKR 60
NOTE: PROVIDE A NEMA 4 REINFORCED FIBERGLASS ENCLOSURE.	NEUTRAL 100%	LUGS STANDARD

CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA		
			A	B	C				A	B	C
1	201	RECEPT	1.5			2	201	RECEPT	1.5		
3	201	RECEPT		1.5		4	201	RECEPT		1.5	
5	201	RECEPT			1.5	6	201	RECEPT			1.5
7	201	RECEPT	1.5			8	201	SPACE	0		
9	201	SPACE		0		10	201	SPACE		0	
11	201	SPACE			0	12	201	SPACE			0
13	201	SPACE	0		0	14	201	SPACE		0	
15	201	SPACE		0		16	201	SPACE			0
17	201	SPACE			0	18	201	SPACE			0
TOTAL CONNECTED KVA BY PHASE									4.5	3	3

CONN KVA			CALC KVA			CONN KVA			CALC KVA		
LIGHTING	0	0	(125%)	CONTINUOUS	0	0	(125%)				
LARGEST MOTOR	0	0	(N/A)	HEATING	0	0	(N/A)				
OTHER MOTORS	0	0	(100%)	COOLING	0	0	(N/A)				
RECEPTACLES	10.5	10.3	(80%-10)	NONCONTINUOUS	0	0	(100%)				
KITCHEN EQUIP	0	0	(N/A)	DIVERSE	0	0	(N/A)				
				METERED DEMAND	0	0	(125%)				
TOTAL KVA				10.5	10.3						
BALANCED 3-PHASE AMPS					28.1						

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PLANS FOR CONSTRUCTION OF  
CITY PARK  
IN  
SOUTH PADRE ISLAND, TEXAS

ELECTRICAL  
PANELBOARD SCHEDULES & DETAILS

Scale: AS SHOWN Date: 07/31/2015  
Designed by: C.G.  
Drawn by: C.G.  
Checked by: R.K.  
Approved by: C.A.G.  
Project No.: 14x05

SHEET NO.  
E-3