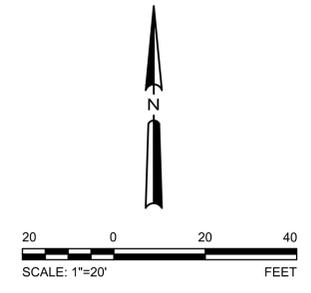
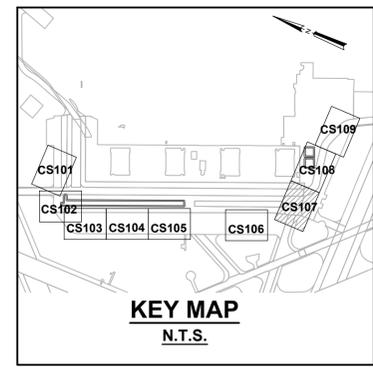
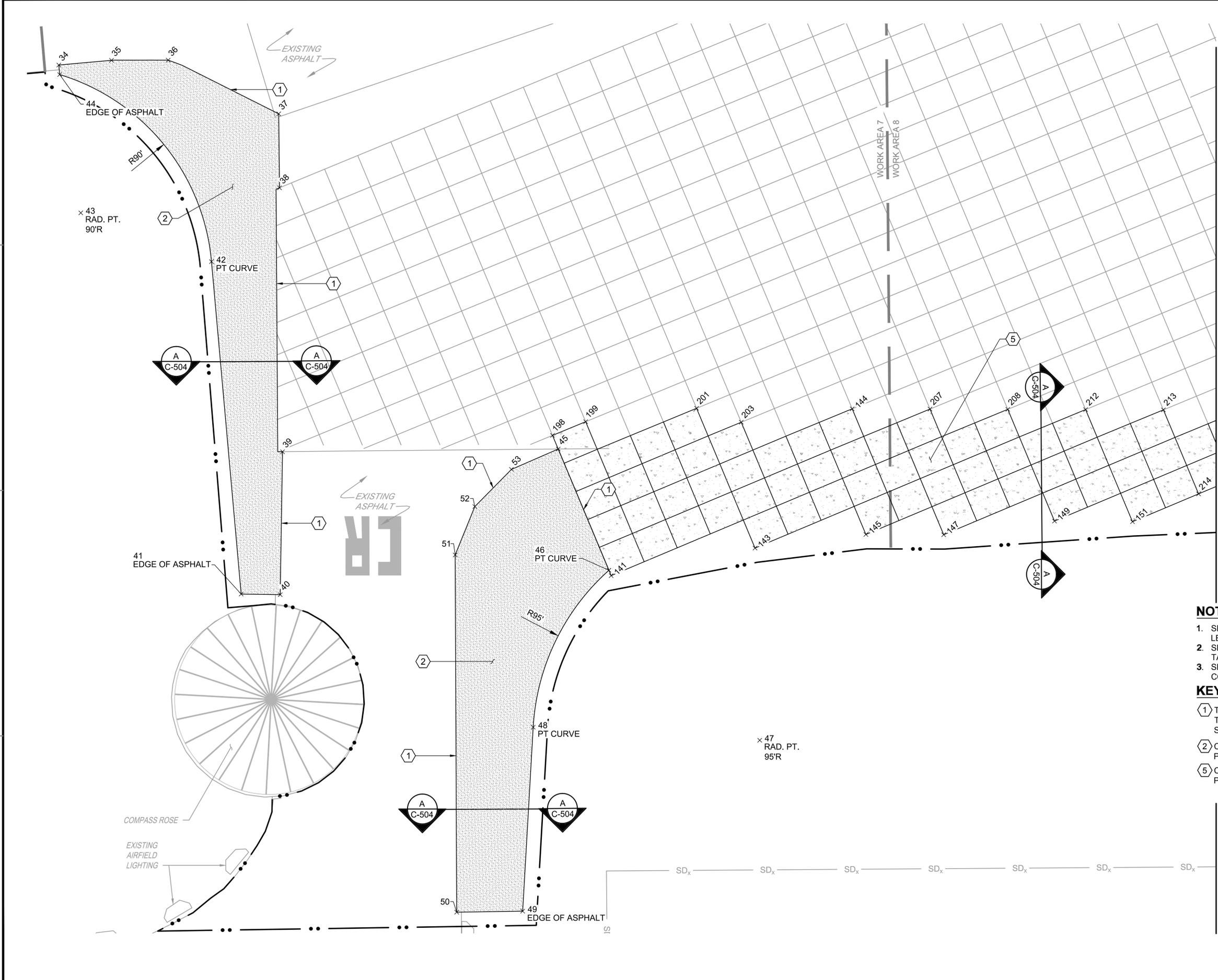


FILE NAME: P:\EVI\641-01C\REV\201114800_JMS_Corpus_Christi_Airfield_Repair\20_DESSA\40_CAD\C\134800-08-107.dwg LAYOUT NAME: SITE PLAN SHEET 7 OF 9 PLOTTED: Monday, November 09, 2015 - 3:37pm USER: jacksonm2



MATCHLINE SHEET CS108

- NOTES:**
- SEE SHEET NO. GI003 FOR GENERAL NOTES AND LEGEND.
 - SEE SHEETS CS201 FOR SITE PLAN COORDINATE TABLE.
 - SEE SHEETS C-517 THROUGH C-520 FOR CONCRETE JOINT TYPES AND LAYOUTS.
- KEY NOTES:**
- TACK COAT EXISTING EDGE OF PAVEMENT. TACK COAT SHALL BE EMULSIFIED ASPHALT, TYPE SS-1 OR SS-1H IAW SPEC. SECTION 32 12 10.
 - CONSTRUCT ASPHALT PAVEMENT. REFER TO PAVEMENT SECTION, DETAIL 1 ON SHEET C-504.
 - CONSTRUCT NON-REINFORCED CONCRETE PAVEMENT. T=12". REFER TO SHEET C-504

ISSUED FOR BID	0	DATE	6 NOV 2015
DESCRIPTION			
APPROVED FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO DATE DES CLM DRW GLH CHK HWM PM / DM BRANCH MANAGER CHIEF ENG / ARCH FIRE PROTECTION			
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL AIR STATION JACKSONVILLE CBL CORE NAS CORPUS CHRISTI, TEXAS NAS CORPUS CHRISTI AIRFIELD REPAIRS MAIN PARKING APRON SITE PLAN SHEET 7 OF 9			
SCALE: AS NOTED PROJECT NO.: CONSTR. CONTR. NO.: NAVFAC DRAWING NO.: 15095353 SHEET 40 OF 117 CS107 <small>DRAWFORM REVISION: 5 APRIL 2012</small>			

CONCRETE PAVEMENT COORDINATE TABLE			
POINT #	NORTHING	EASTING	DESCRIPTION
13	17,144,433.64	1,376,942.52	CONC. EDGE
18	17,144,243.22	1,376,819.10	CONC. EDGE
30	17,142,066.31	1,377,547.04	CONC. EDGE
32	17,142,236.77	1,377,566.93	CONC. EDGE
33	17,142,439.75	1,377,508.24	CONC. EDGE
91	17,144,423.95	1,376,919.43	CONC. EDGE
93	17,144,400.52	1,376,902.35	CONC. EDGE
95	17,144,382.81	1,376,896.14	CONC. EDGE
97	17,144,367.55	1,376,888.90	CONC. EDGE
99	17,144,347.50	1,376,870.25	CONC. EDGE
101	17,144,328.58	1,376,864.65	CONC. EDGE
103	17,144,304.79	1,376,847.47	CONC. EDGE
105	17,144,286.02	1,376,842.26	CONC. EDGE
106	17,144,261.85	1,376,824.78	CONC. EDGE
110	17,144,224.28	1,376,813.92	CONC. EDGE
111	17,144,217.17	1,376,816.87	CONC. EDGE
112	17,144,214.71	1,376,811.00	CONC. EDGE
113	17,144,207.64	1,376,813.97	CONC. EDGE
114	17,144,205.17	1,376,808.10	CONC. EDGE
115	17,144,198.05	1,376,811.09	CONC. EDGE
116	17,144,195.59	1,376,805.24	CONC. EDGE
117	17,144,188.48	1,376,808.22	CONC. EDGE
118	17,144,186.02	1,376,802.37	CONC. EDGE
120	17,144,167.15	1,376,796.71	CONC. EDGE
123	17,144,134.67	1,376,797.34	CONC. EDGE
124	17,142,397.72	1,377,525.78	CONC. EDGE
125	17,142,393.08	1,377,514.71	CONC. EDGE
126	17,142,241.41	1,377,578.00	CONC. EDGE
127	17,142,140.54	1,377,607.09	CONC. EDGE
128	17,142,131.26	1,377,584.95	CONC. EDGE
129	17,142,117.35	1,377,590.76	CONC. EDGE
130	17,142,112.71	1,377,579.69	CONC. EDGE
131	17,142,098.40	1,377,585.66	CONC. EDGE
132	17,142,084.48	1,377,552.47	CONC. EDGE
136	17,142,052.29	1,377,552.89	CONC. EDGE
137	17,142,066.21	1,377,586.09	CONC. EDGE
138	17,142,052.26	1,377,591.91	CONC. EDGE
139	17,142,070.75	1,377,636.21	CONC. EDGE
140	17,142,056.34	1,377,642.22	CONC. EDGE
141	17,141,737.42	1,378,103.43	CONC. EDGE
143	17,141,748.92	1,378,163.68	CONC. EDGE
144	17,141,807.08	1,378,204.35	CONC. EDGE
145	17,141,754.61	1,378,210.09	CONC. EDGE
147	17,141,754.51	1,378,242.66	CONC. EDGE
149	17,141,760.20	1,378,289.08	CONC. EDGE

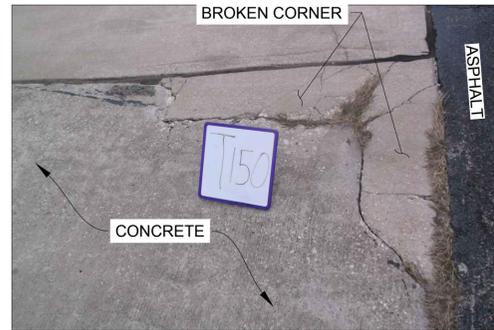
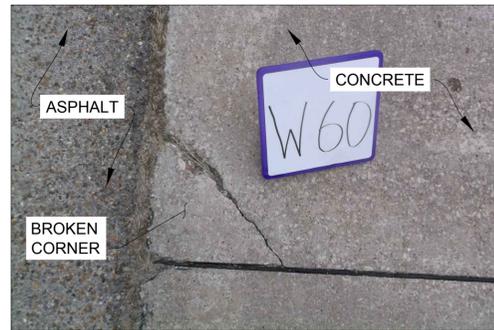
CONCRETE PAVEMENT COORDINATE TABLE			
POINT #	NORTHING	EASTING	DESCRIPTION
151	17,141,759.95	1,378,321.72	CONC. EDGE
153	17,141,765.83	1,378,368.05	CONC. EDGE
155	17,141,771.70	1,378,414.38	CONC. EDGE
156	17,141,771.90	1,378,447.16	CONC. EDGE
158	17,141,771.98	1,378,479.66	CONC. EDGE
160	17,141,772.06	1,378,512.16	CONC. EDGE
162	17,141,772.14	1,378,544.66	CONC. EDGE
164	17,141,772.22	1,378,577.16	CONC. EDGE
166	17,141,772.30	1,378,609.66	CONC. EDGE
168	17,141,772.38	1,378,642.15	CONC. EDGE
170	17,141,772.46	1,378,674.65	CONC. EDGE
172	17,141,772.54	1,378,707.15	CONC. EDGE
174	17,141,772.62	1,378,739.65	CONC. EDGE
175	17,141,772.70	1,378,772.15	CONC. EDGE
177	17,141,772.77	1,378,804.65	CONC. EDGE
179	17,141,767.05	1,378,823.32	CONC. EDGE
181	17,141,767.13	1,378,855.82	CONC. EDGE
183	17,141,767.21	1,378,888.32	CONC. EDGE
185	17,141,761.49	1,378,906.98	CONC. EDGE
187	17,141,761.57	1,378,939.48	CONC. EDGE
189	17,141,761.64	1,378,971.98	CONC. EDGE
191	17,141,756.38	1,378,990.46	CONC. EDGE
192	17,141,756.92	1,379,022.77	CONC. EDGE
194	17,141,751.65	1,379,041.24	CONC. EDGE
196	17,141,735.32	1,379,064.36	CONC. EDGE
197	17,141,742.38	1,379,081.19	CONC. EDGE

SAWCUT PAVEMENT COORDINATE TABLE			
POINT #	NORTHING	EASTING	DESCRIPTION
5	17,144,707.31	1,377,594.54	SAWCUT LINE
6	17,144,534.61	1,377,183.30	SAWCUT LINE
7	17,144,677.69	1,377,121.84	SAWCUT LINE
8	17,144,644.21	1,377,052.61	SAWCUT LINE
9	17,144,508.31	1,377,111.62	SAWCUT LINE
10	17,144,448.00	1,376,967.62	SAWCUT LINE
11	17,144,427.81	1,376,944.93	SAWCUT LINE
21	17,142,962.77	1,377,301.84	SAWCUT LINE
22	17,142,947.92	1,377,295.06	SAWCUT LINE
28	17,142,063.59	1,377,585.02	SAWCUT LINE
29	17,142,049.67	1,377,551.82	SAWCUT LINE
34	17,141,950.64	1,377,872.15	SAWCUT LINE
35	17,141,952.60	1,377,894.22	SAWCUT LINE
36	17,141,952.67	1,377,917.94	SAWCUT LINE
37	17,141,930.26	1,377,964.22	SAWCUT LINE
38	17,141,899.36	1,377,964.57	SAWCUT LINE
39	17,141,789.14	1,377,965.82	SAWCUT LINE
40	17,141,729.47	1,377,964.86	SAWCUT LINE
45	17,141,790.28	1,378,081.26	SAWCUT LINE
50	17,141,596.88	1,378,038.76	SAWCUT LINE
51	17,141,746.06	1,378,038.13	SAWCUT LINE
52	17,141,766.26	1,378,046.36	SAWCUT LINE
53	17,141,781.78	1,378,061.67	SAWCUT LINE
133	17,142,049.65	1,377,590.84	SAWCUT LINE
134	17,142,068.13	1,377,635.14	SAWCUT LINE
135	17,142,055.53	1,377,640.39	SAWCUT LINE
198	17,141,795.98	1,378,078.87	SAWCUT LINE
199	17,141,801.69	1,378,092.74	SAWCUT LINE
201	17,141,807.29	1,378,139.19	SAWCUT LINE
203	17,141,801.47	1,378,157.90	SAWCUT LINE
207	17,141,806.97	1,378,236.93	SAWCUT LINE
208	17,141,806.86	1,378,269.51	SAWCUT LINE
212	17,141,806.75	1,378,302.08	SAWCUT LINE
213	17,141,806.65	1,378,334.66	SAWCUT LINE
214	17,141,771.55	1,378,349.38	SAWCUT LINE
215	17,141,806.54	1,378,367.24	SAWCUT LINE
217	17,141,800.72	1,378,385.95	SAWCUT LINE
220	17,141,806.48	1,378,432.66	SAWCUT LINE
222	17,141,806.56	1,378,465.16	SAWCUT LINE
223	17,141,806.63	1,378,497.66	SAWCUT LINE
225	17,141,806.71	1,378,530.16	SAWCUT LINE
226	17,141,806.79	1,378,562.66	SAWCUT LINE
229	17,141,806.87	1,378,595.15	SAWCUT LINE
231	17,141,806.95	1,378,627.65	SAWCUT LINE
233	17,141,807.03	1,378,660.15	SAWCUT LINE

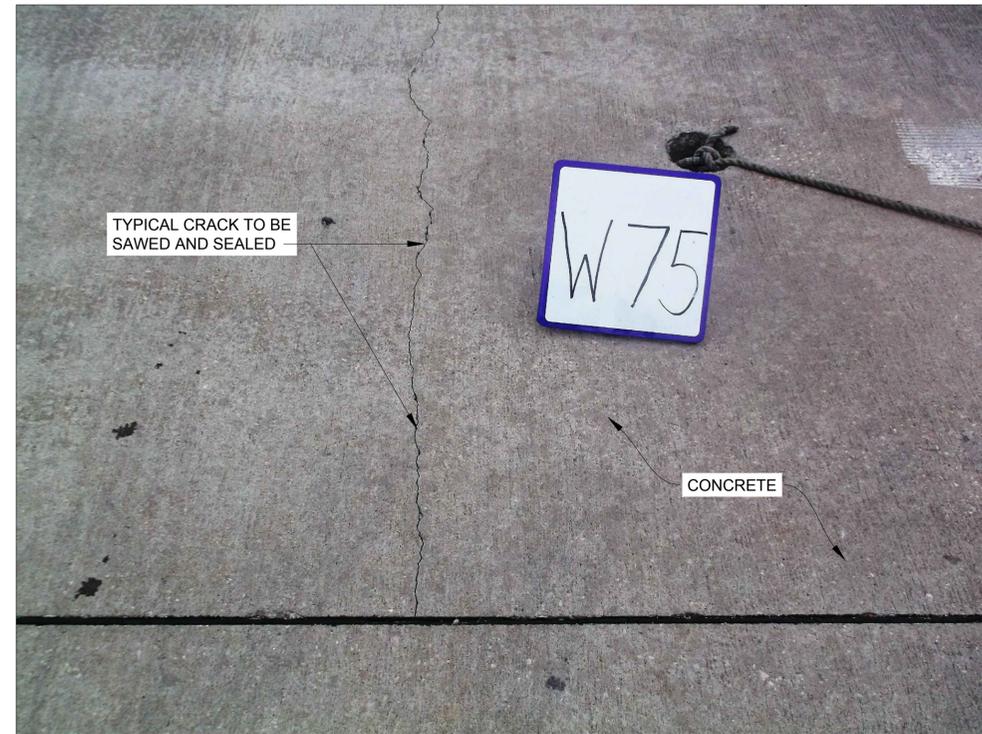
SAWCUT PAVEMENT COORDINATE TABLE			
POINT #	NORTHING	EASTING	DESCRIPTION
235	17,141,807.11	1,378,692.65	SAWCUT LINE
237	17,141,804.25	1,378,701.99	SAWCUT LINE
239	17,141,807.19	1,378,725.15	SAWCUT LINE
241	17,141,807.27	1,378,757.65	SAWCUT LINE
243	17,141,807.35	1,378,790.15	SAWCUT LINE
245	17,141,807.43	1,378,822.65	SAWCUT LINE
247	17,141,807.51	1,378,855.15	SAWCUT LINE
249	17,141,807.58	1,378,887.65	SAWCUT LINE
251	17,141,807.66	1,378,920.15	SAWCUT LINE
253	17,141,807.74	1,378,952.65	SAWCUT LINE
255	17,141,807.82	1,378,985.15	SAWCUT LINE
257	17,141,813.70	1,379,031.48	SAWCUT LINE
259	17,141,807.98	1,379,050.15	SAWCUT LINE
260	17,141,796.45	1,379,054.98	SAWCUT LINE
261	17,141,802.26	1,379,068.82	SAWCUT LINE
262	17,141,743.36	1,379,101.20	SAWCUT LINE
263	17,142,444.40	1,377,519.32	SAWCUT LINE
264	17,142,084.92	1,377,669.82	SAWCUT LINE
265	17,142,066.23	1,377,664.07	SAWCUT LINE
266	17,144,116.55	1,376,831.51	SAWCUT LINE
267	17,144,135.45	1,376,837.24	SAWCUT LINE
268	17,144,168.06	1,376,837.24	SAWCUT LINE
269	17,144,186.78	1,376,842.74	SAWCUT LINE
270	17,144,205.64	1,376,848.34	SAWCUT LINE
271	17,144,224.75	1,376,853.96	SAWCUT LINE
272	17,144,243.81	1,376,859.81	SAWCUT LINE
273	17,144,267.71	1,376,876.56	SAWCUT LINE
274	17,144,286.32	1,376,882.39	SAWCUT LINE
275	17,144,310.41	1,376,899.24	SAWCUT LINE
276	17,144,329.15	1,376,905.07	SAWCUT LINE
277	17,144,353.04	1,376,922.26	SAWCUT LINE
278	17,144,371.98	1,376,928.16	SAWCUT LINE
279	17,144,386.89	1,376,934.99	SAWCUT LINE
280	17,144,407.04	1,376,953.73	SAWCUT LINE

ASPHALT PAVEMENT COORDINATE TABLE			
POINT #	NORTHING	EASTING	DESCRIPTION
1	17,144,681.63	1,377,130.88	EDGE OF ASPHALT
2	17,144,732.25	1,377,257.70	RAD. PT.
3	17,144,603.12	1,377,311.79	PT CURVE
12	17,144,293.80	1,377,084.51	RAD. PT.
14	17,144,464.87	1,376,985.81	PRC
15	17,144,585.86	1,376,915.39	RAD. PT.
16	17,144,640.61	1,377,044.24	EDGE OF ASPHALT
20	17,143,039.02	1,377,254.69	PT CURVE
23	17,142,988.50	1,377,275.88	PT CURVE
24	17,142,980.77	1,377,257.43	RAD. PT.
25	17,142,999.21	1,377,249.70	END CURVE
26	17,143,012.84	1,377,243.98	END CURVE
27	17,143,031.28	1,377,236.25	RAD. PT.
41	17,141,729.73	1,377,948.50	EDGE OF ASPHALT
42	17,141,868.53	1,377,936.09	PT CURVE
43	17,141,860.51	1,377,846.45	RAD. PT.
44	17,141,946.65	1,377,872.51	EDGE OF ASPHALT
46	17,141,739.65	1,378,102.50	PT CURVE
47	17,141,668.68	1,378,165.64	RAD. PT.
48	17,141,674.11	1,378,070.79	PT CURVE
49	17,141,597.30	1,378,066.39	EDGE OF ASPHALT

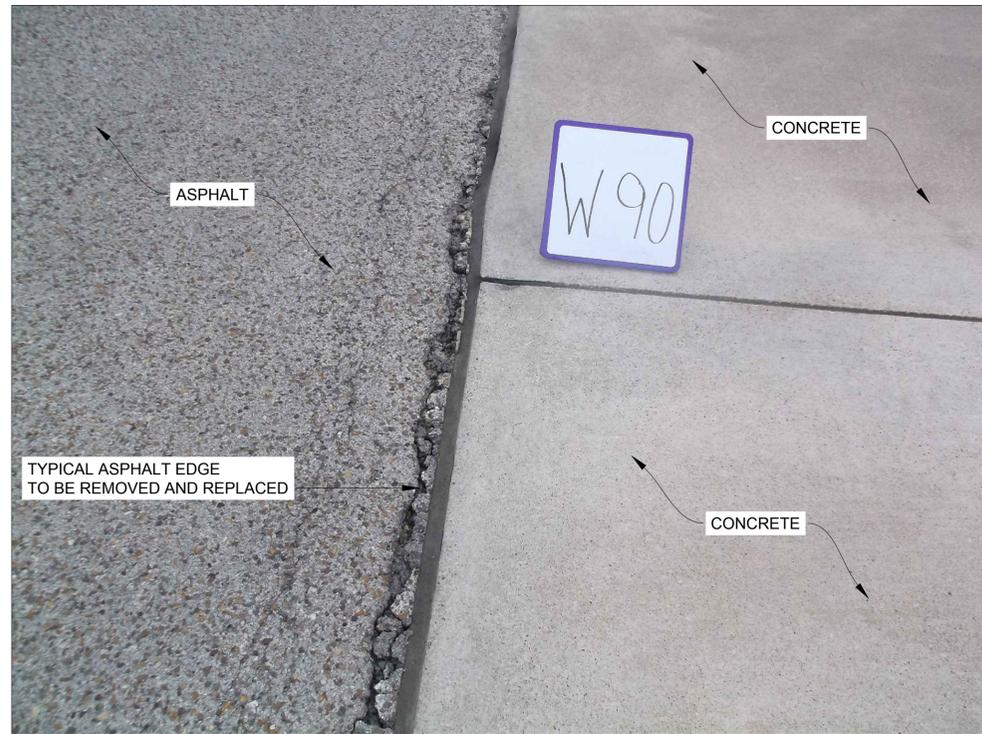
DATE	6 NOV 2015
ISSUED FOR BID	0
DESCRIPTION	
	
	
	
	
APPROVED FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO DATE DES CLM DRW GLH CHK HWM PM / DM BRANCH MANAGER CHIEF ENG / ARCH FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND SOUTH EAST NAVAL AIR STATION JACKSONVILLE CIBL CORE NAS CORPUS CHRISTI, TEXAS NAS CORPUS CHRISTI AIRFIELD REPAIRS MAIN PARKING APRON SITE PLAN COORDINATE TABLE	
SCALE:	AS NOTED
EPROJECT NO.:	
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	15095356
SHEET	43 OF 117
CS201 <small>DRAWING REVISION: 5 APRIL 2012</small>	



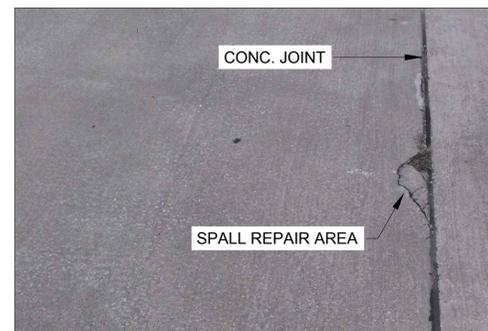
1 TYPICAL FULL DEPTH REPLACEMENT
NTS



2 TYPICAL CRACK REPAIR
NTS



3 TYPICAL ASPHALT EDGE REPLACEMENT
NTS



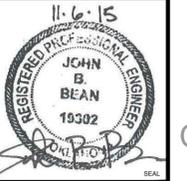
4 TYPICAL SPALL REPAIR
NTS



5 TYPICAL SLIVER SPALL
NTS

NOTE:
SLIVER SPALLS SHALL BE REMOVED
BY RE-SAWING EXISTING JOINTS.

SYMBOL	DESCRIPTION	DATE	APPROVED
0	ISSUED FOR BID	6 NOV 2015	



APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES: CLM DRW: JMJ CHK: HWM
PM / DM
BRANCH MANAGER
CHIEF ENG / ARCH
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST
NAVAL AIR STATION JACKSONVILLE
CIBL CORE
NAS CORPUS CHRISTI
NAS CORPUS CHRISTI AIRFIELD REPAIRS
MAIN PARKING APRON
CIVIL DETAILS

SCALE:	AS NOTED
PROJECT NO.:	
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	15095357
SHEET:	44 OF 117
C-501	

FILE NAME: P:\CD\1641-CIVIL\AS\2011\146800_LMS_Corpus_Christi_Airfield_Repair\20_DESIGN\00_CAD\C\1346800-00X-C-501(1).dwg LAYOUT NAME: CIVIL DETAILS PLOTTED: Monday, November 09, 2015 - 3:40pm USER: jboschm12

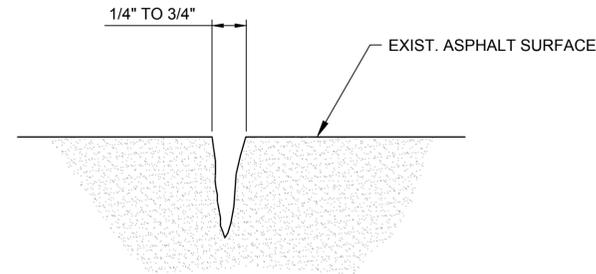
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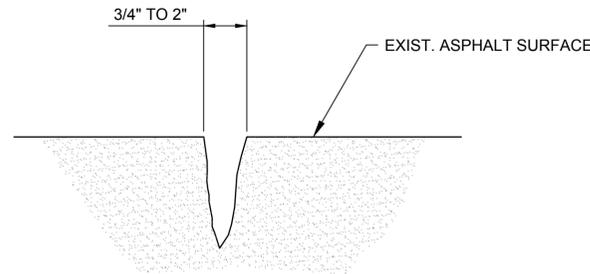
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4

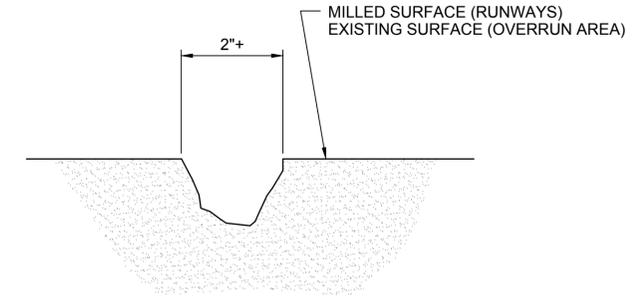
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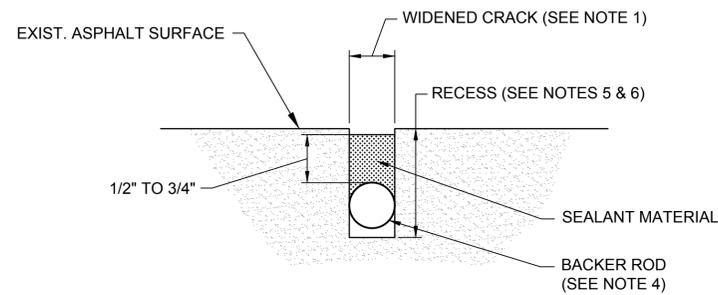
EXISTING CRACK



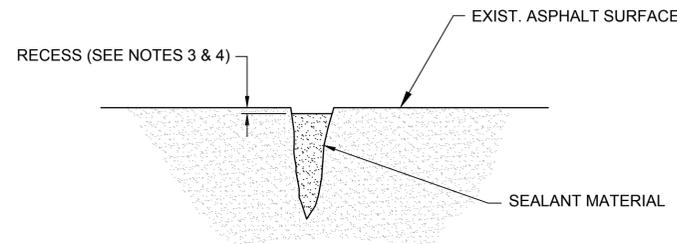
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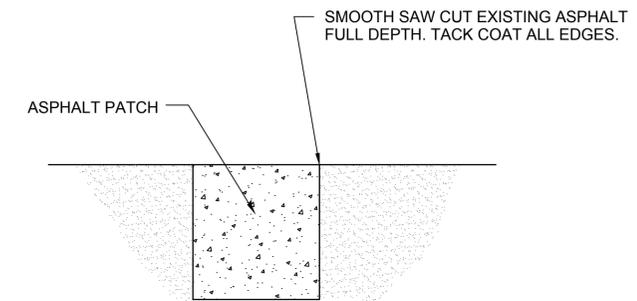
EXISTING CRACK



SEALED CRACK



SEALED CRACK



SEALED CRACK

SMALL CRACKS (1/4" TO 3/4")

PREPARATION:

1. WIDEN TO A NOMINAL WIDTH OF 1/8" GREATER THAN THE EXISTING NOMINAL OR AVERAGE WIDTH. THE DEPTH OF THE ROUTED OR SAWN (CONTRACTOR OPTION) CRACK SHOULD BE APPROXIMATELY 3/4" AND PRODUCE VERTICAL FACES.
2. CLEAN CRACK USING A WATER BLASTER OR WIRE BRUSHES, AND THEN CLEAN WITH COMPRESSED AIR.
3. CLEAN AND INSPECT WIDENED CRACK TO ENSURE IT IS DRY AND FREE OF DEBRIS AND LOOSE MATERIAL.
4. INSTALL BACKER ROD IF CRACK HAS A DEPTH GREATER THAN 3/4" DEEP. IF THE DEPTH OF CRACK IS NOT DEEP ENOUGH TO ACCOMMODATE THE BACKER ROD AND MAINTAIN A SEALANT DEPTH OF 1/2" TO 3/4", THEN THE CRACK CAN BE ROUTED OR THE BACKER ROD MATERIAL OMITTED.

SEALING:

5. FOR AREAS WHICH WILL RECEIVE AN OVERLAY - FILL CRACKS WITH SEALANT SUCH THAT THE FINISHED PRODUCT IS RECESSED A MINIMUM OF 1/4" BELOW THE EXISTING MATERIAL'S SURFACE TO PREVENT THE NEW MATERIAL FROM BLEEDING THROUGH THE SUBSEQUENT OVERLAY.
6. FOR AREAS WHICH WILL NOT RECEIVE AN OVERLAY - FILL CRACKS WITH SEALANT SUCH THAT THE FINISHED PRODUCT IS AT OR SLIGHTLY BELOW (EQUAL TO OR LESS THAN 1/8") THE EXISTING MATERIAL'S SURFACE.
7. USE A SQUEEGEE TO REMOVE ANY EXCESS SEALANT FROM THE PAVEMENT.

1 ASPHALT SMALL CRACK REPAIR
NOT TO SCALE

MEDIUM CRACKS (3/4" TO 2")

PREPARATION:

1. CLEAN CRACK USING A WATER BLASTER OR WIRE BRUSHES, AND THEN CLEAN WITH COMPRESSED AIR.
2. CLEAN AND INSPECT CRACK TO ENSURE IT IS DRY AND FREE OF DEBRIS AND LOOSE MATERIAL.

SEALING:

3. FOR AREAS WHICH WILL RECEIVE AN OVERLAY - FILL CRACKS WITH A SEALANT SUCH THAT THE FINISHED PRODUCT IS RECESSED A MINIMUM OF 1/4" BELOW THE EXISTING MATERIAL'S SURFACE TO PREVENT THE NEW MATERIAL FROM BLEEDING THROUGH THE SUBSEQUENT OVERLAY.
4. FOR AREAS WHICH WILL NOT RECEIVE AN OVERLAY - FILL CRACKS WITH A SEALANT SUCH THAT THE FINISHED PRODUCT IS AT OR SLIGHTLY BELOW (EQUAL TO OR LESS THAN 1/8") THE EXISTING MATERIAL'S SURFACE.
5. USE A SQUEEGEE TO REMOVE ANY EXCESS SEALANT FROM THE PAVEMENT.

2 ASPHALT MEDIUM CRACK REPAIR
NOT TO SCALE

LARGE CRACKS (2"+)

PREPARATION:

1. TREAT AS A POTHOLE REPAIR.
2. USING A SAW, CUT AWAY DAMAGED PAVEMENT TO PROVIDE VERTICAL FACES.
3. CLEAN WITH COMPRESSED AIR.
4. INSPECT FACES TO ENSURE THEY ARE DRY AND CLEAN.

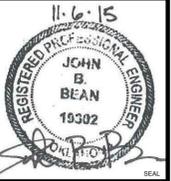
FILLING:

5. TACK COAT ADJOINING FACES.
6. FILL WITH EITHER A SAND ASPHALT OR A FINE-GRADED ASPHALT MIX AND COMPACT USING PROCEDURES AND EQUIPMENT ACCEPTABLE FOR POTHOLE REPAIR.

3 ASPHALT LARGE CRACK REPAIR
NOT TO SCALE

FILE NAME: P:\CD\1641-CRACK\AS\2015134800_1MS_Corpus_Christi_Airfield_Repair\20_DESIGN\03-C-502.dwg LAYOUT: NAME: CIVIL DETAILS PLOTTED: Monday, November 09, 2015 - 3:46pm USER: jacksonjnz

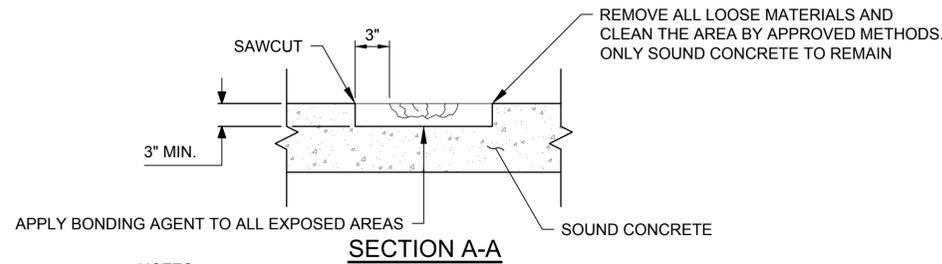
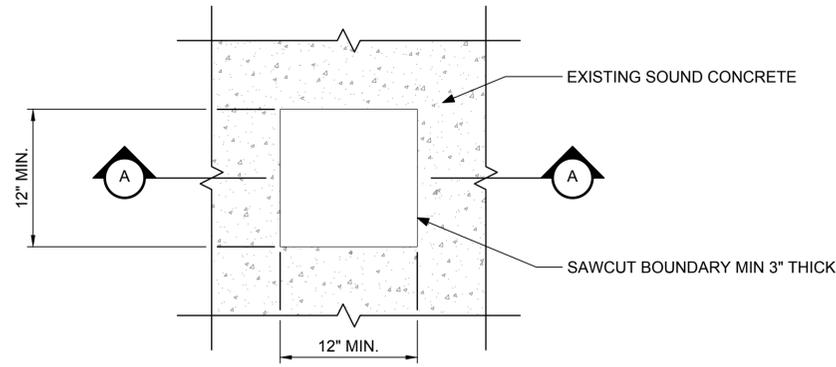
SYMBOL	DESCRIPTION	DATE
0	ISSUED FOR BID	6 NOV 2015



APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
BES CLM DRW MJM CHK HWM
PM / DM
BRANCH MANAGER
CHIEF ENG / ARCH
FIRE PROTECTION

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 NAVAL AIR STATION JACKSONVILLE
 CIVIL CORE
 NAS CORPUS CHRISTI, TEXAS
 NAS CORPUS CHRISTI AIRFIELD REPAIRS
 MAIN PARKING APRON
 CIVIL DETAILS

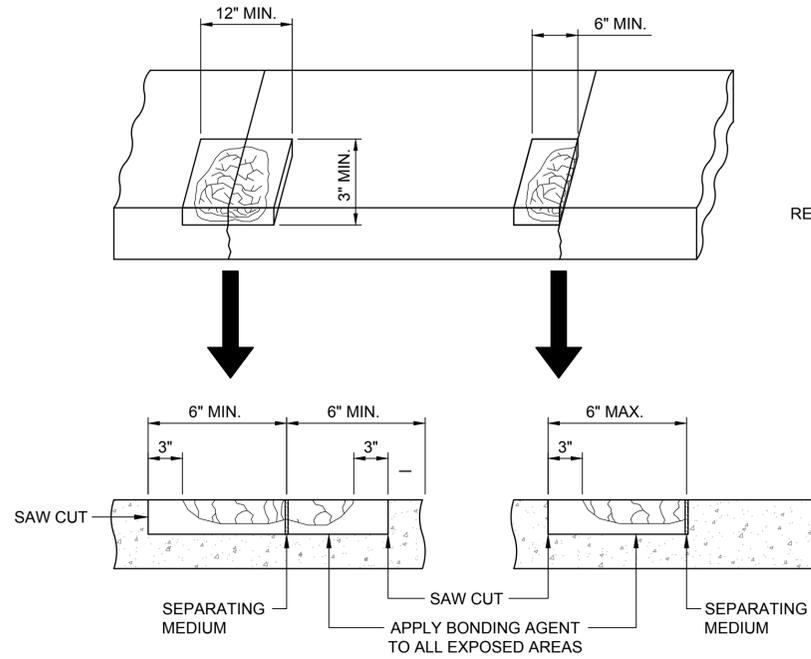
SCALE:	AS NOTED
PROJECT NO.:	
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	15095358
SHEET:	45 OF 117



SECTION A-A

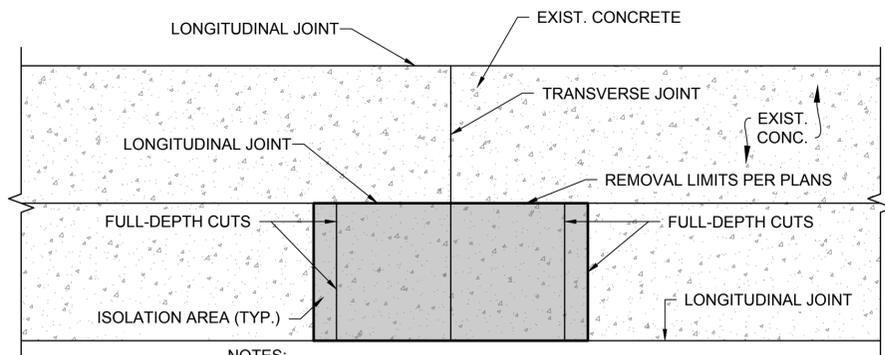
- NOTES:**
- REPAIR AREAS MAY BE ADJUSTED AFTER REMOVING DISTRESSED CONCRETE
 - IF EXISTING REINFORCEMENT IS DAMAGED, FULL DEPTH REPLACEMENT IS REQUIRED AT CONTRACTOR'S EXPENSE.
 - BONDING AGENT IAW SPECIFICATION SECTION 32 01 29.61.

1 PARTIAL DEPTH REPAIR DETAIL
NOT TO SCALE



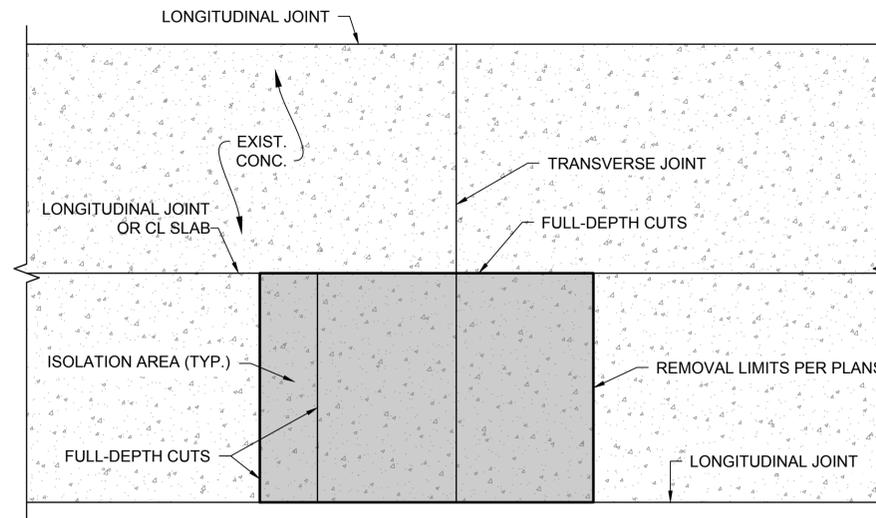
- NOTES:**
- REMOVE ALL MATERIAL INSIDE SAWN AREA TO 1/2" BELOW SURFACE OF VISUALLY SOUND CONCRETE (3" MIN DEPTH). USE SEPARATING MEDIUM TO MAINTAIN JOINT. PATCH WITH 0" SLUMP CONCRETE, WELL COMPACTED, AND CURE. SEAL JOINT PER DETAIL 4 OR 5 WHEN CURED.
 - BASED ON UFC 3-270-04, FIG. 5.3.
 - BONDING AGENT IAW SPECIFICATION SECTION 32 01 29.61.

2 SPALL REPAIR DETAIL
NOT TO SCALE



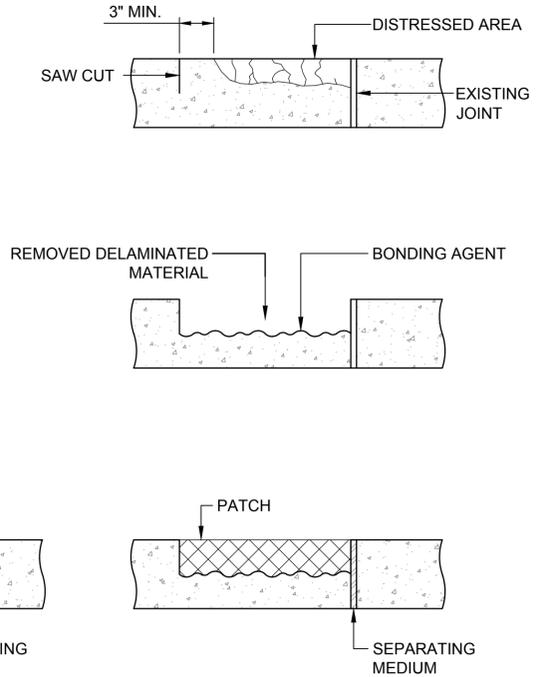
- NOTES:**
- SAWCUTS TO HAVE 1-1/2" MINIMUM KERF.
 - DETAIL BASED ON UFC 3-270-04, FIGURE 4.8.
 - USE ONLY IF LIFTOUT METHOD CANNOT BE USED

3 CONCRETE REMOVAL BREAKUP METHOD
NOT TO SCALE



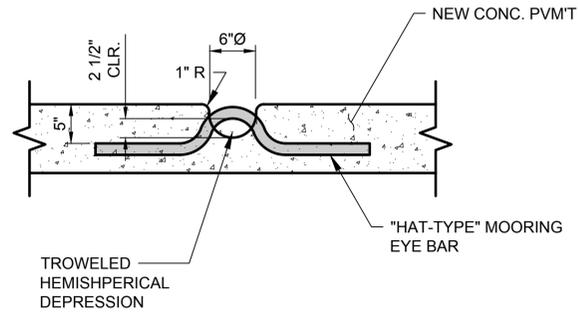
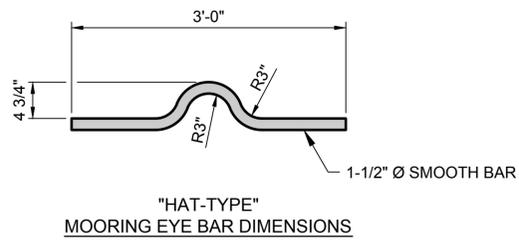
- NOTES:**
- SAWCUTS TO HAVE 1-1/2" MINIMUM KERF.
 - DETAIL BASED ON UFC 3-270-04, FIGURE 4.10.
 - NUMBER OF LIFT PINS AND LOCATIONS TO BE DETERMINED BY CONTRACTOR.

4 CONCRETE LIFT-OUT METHOD
NOT TO SCALE



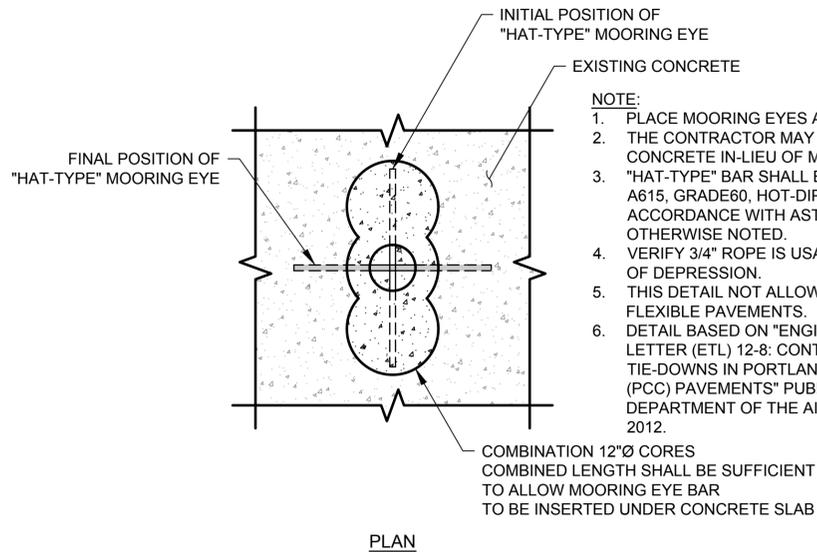
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DATE	6 NOV 2015
ISSUED FOR BID	0
SYMBOL	DESCRIPTION
APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES	CLM
DRW	JMJ
CHK	HWM
PM / DM	
BRANCH MANAGER	
CHIEF ENG / ARCH	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY	
NAVAL FACILITIES ENGINEERING COMMAND	
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST	
CIBL CORE	
NAVAL AIR STATION JACKSONVILLE	
CORPUS CHRISTI, TEXAS	
NAS CORPUS CHRISTI	
MAIN PARKING APRON	
CIVIL DETAILS	
SCALE:	AS NOTED
PROJECT NO.:	
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	15095359
SHEET	46 OF 117
C-503	
DRAWFORM REVISION: 5 APRIL 2012	



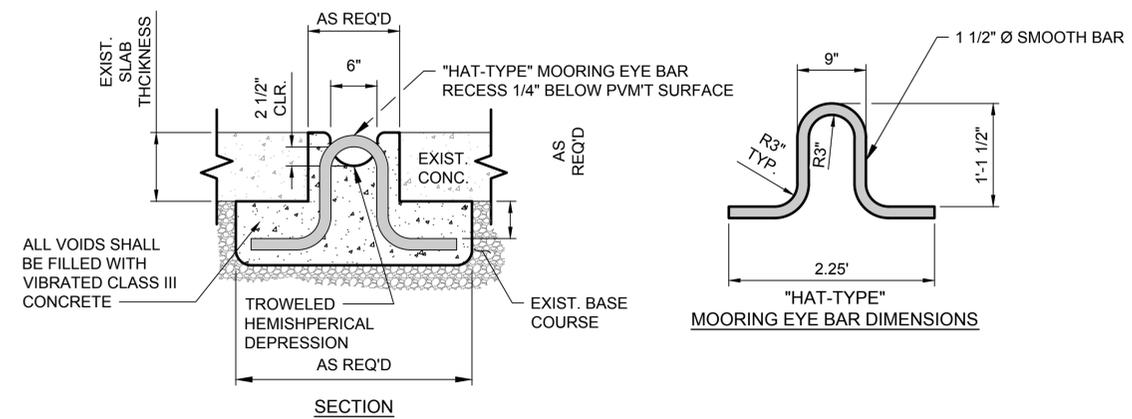
- NOTES:
1. PLACE MOORING EYES AS INDICATED ON PLANS.
 2. TOP OF SMOOTH BAR SHALL BE 1/8" MIN. TO 1/4" MAX. BELOW GRADE.
 3. WHEN REBAR FOR EYE OCCURS WITHIN ONE FOOT OF JOINT, ORIENT REBAR PARALLEL TO JOINT.
 4. VERIFY 3/4" ROPE IS USABLE DURING TROWELING OF DEPRESSION.
 5. "HAT-TYPE" BAR SHALL BE A SMOOTH, PLAIN ASTM A615, GRADE 60, HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123.

NEW CONCRETE PAVEMENT AIRCRAFT TIE-DOWN
1 NOT TO SCALE



- NOTE:
1. PLACE MOORING EYES AS INDICATED ON PLANS.
 2. THE CONTRACTOR MAY SAWCUT EXISTING CONCRETE IN-LIEU OF MULTIPLE CORINGS.
 3. "HAT-TYPE" BAR SHALL BE SMOOTH (PLAIN ASTM A615, GRADE60, HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123) UNLESS OTHERWISE NOTED.
 4. VERIFY 3/4" ROPE IS USABLE DURING TROWELING OF DEPRESSION.
 5. THIS DETAIL NOT ALLOWED FOR AREAS IN FLEXIBLE PAVEMENTS.
 6. DETAIL BASED ON "ENGINEERING TECHNICAL LETTER (ETL) 12-8: CONTINGENCY AIRCRAFT TIE-DOWNS IN PORTLAND CEMENT CONCRETE (PCC) PAVEMENTS" PUBLISHED BY THE DEPARTMENT OF THE AIR FORCE DATED JAN. 18, 2012.

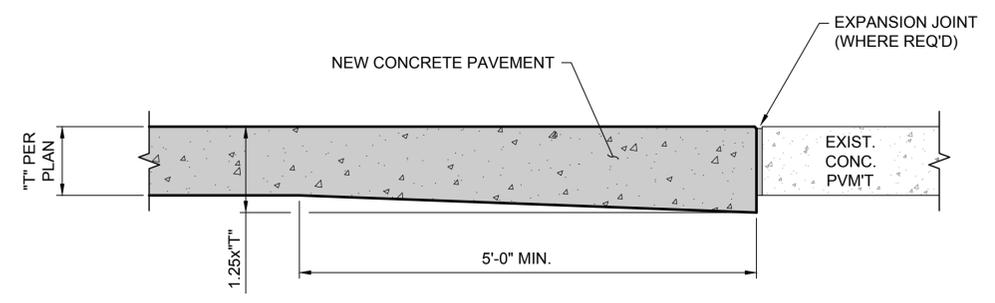
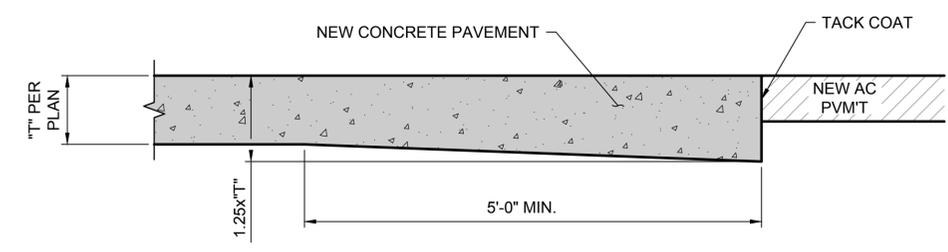
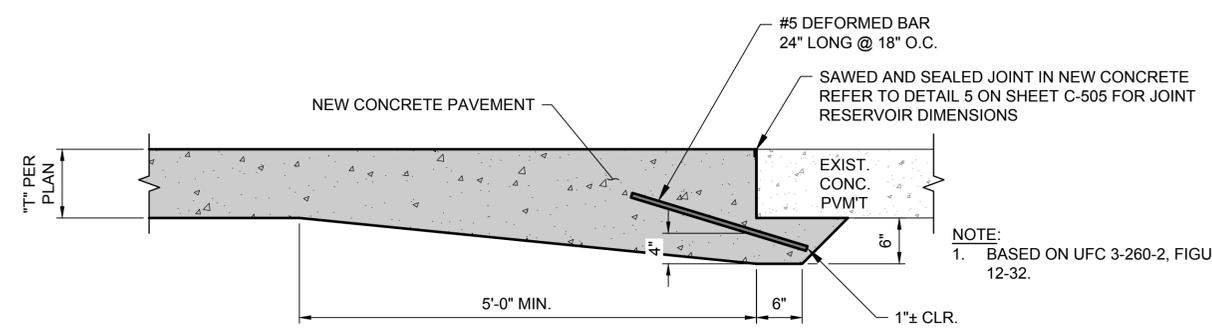
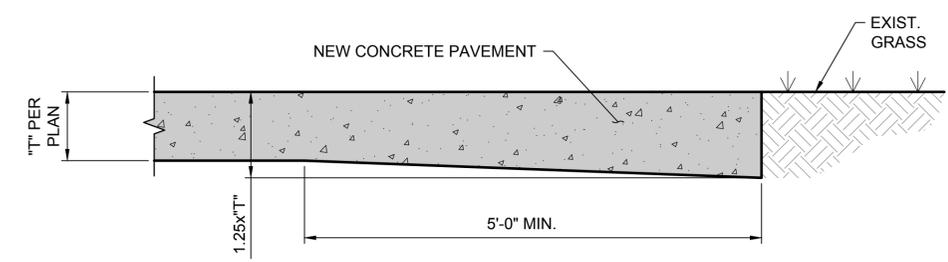
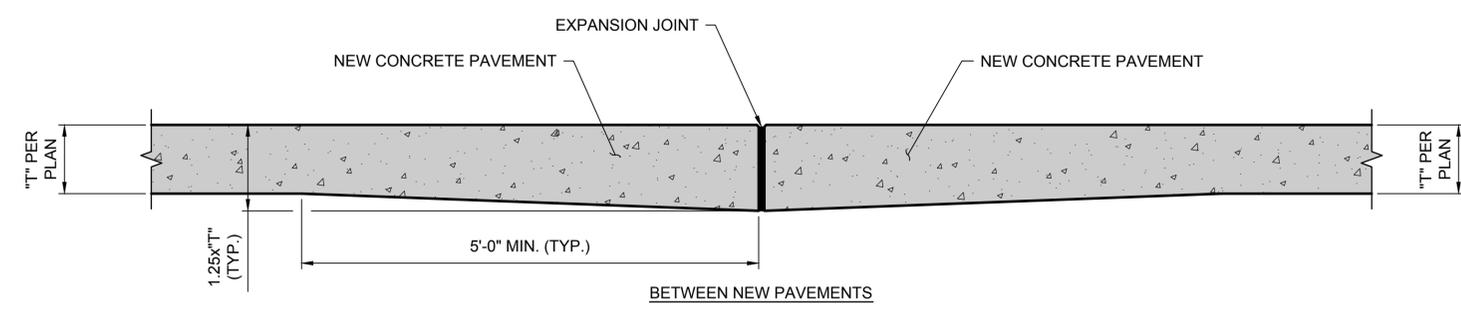
AIRCRAFT TIE-DOWN IN EXISTING CONCRETE PAVEMENT
2 NOT TO SCALE



FILE NAME: P:\CD\1641-CNIC\A5\2051134800_LMS_Corpus_Christi_Airfield_Repair\20_DESIGN\03-C-506.dwg LAYOUT NAME: CIVIL DETAILS PLOTTED: Monday, November 09, 2015 - 3:45pm USER: jacksonjnz

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DESCRIPTION	
Delta Project No. 14072-ACE-000	
APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
BES	CLM
DRW	JMJ
CHK	HWM
PM / DM	
BRANCH MANAGER	
CHIEF ENG / ARCH	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CIVIL CORE NAVAL AIR STATION JACKSONVILLE NAS CORPUS CHRISTI, TEXAS NAS CORPUS CHRISTI AIRFIELD REPAIRS MAIN PARKING APRON CIVIL DETAILS	
SCALE:	AS NOTED
PROJECT NO.:	
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	15095362
SHEET	49 OF 117
C-506	
<small>DRAWING REVISION: 5 APRIL 2012</small>	

1 2 3 4 5



NOTE:
1. BASED ON UFC 3-260-2, FIGURE 12-32.

1 TYPICAL CONCRETE THICKENED EDGE
NOT TO SCALE

FILE NAME: P:\105\1641-060\1641-060\134800_NAS_Corpus_Christi_Airfield_Repair\134800-05X-C-508.dwg LAYOUT NAME: CIVIL DETAILS PLOTTED: Monday, November 09, 2015 - 3:43pm USER: jacksonjnz

D

C

B

A

SYMBOL	DESCRIPTION	DATE	APPROVED
0	ISSUED FOR BID	6 NOV 2015	



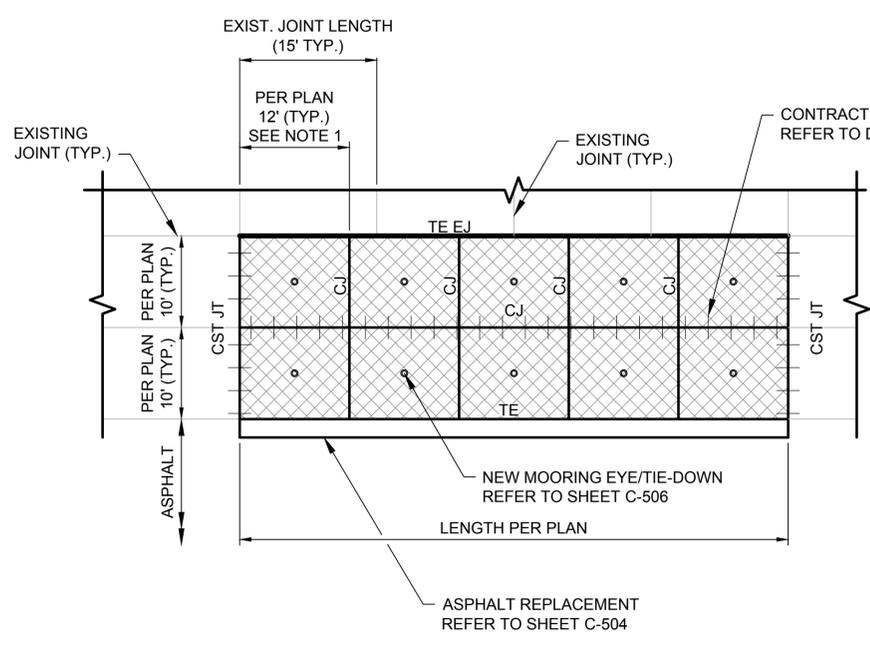
APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
BES CLM DRW MJM CHK HWM
PM / DM
BRANCH MANAGER
CHIEF ENG / ARCH
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST
CIBL CORE
NAVAL AIR STATION JACKSONVILLE
CORPUS CHRISTI, TEXAS
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NAS CORPUS CHRISTI AIRFIELD REPAIRS
MAIN PARKING APRON
CIVIL DETAILS

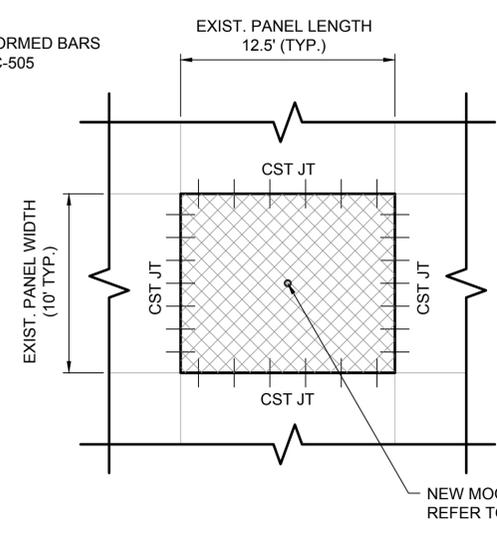
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PROJECT NO.:	
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SHEET:	51 OF 117
C-508	
DRAWFORM REVISION: 5 APRIL 2012	

1 2 3 4 5

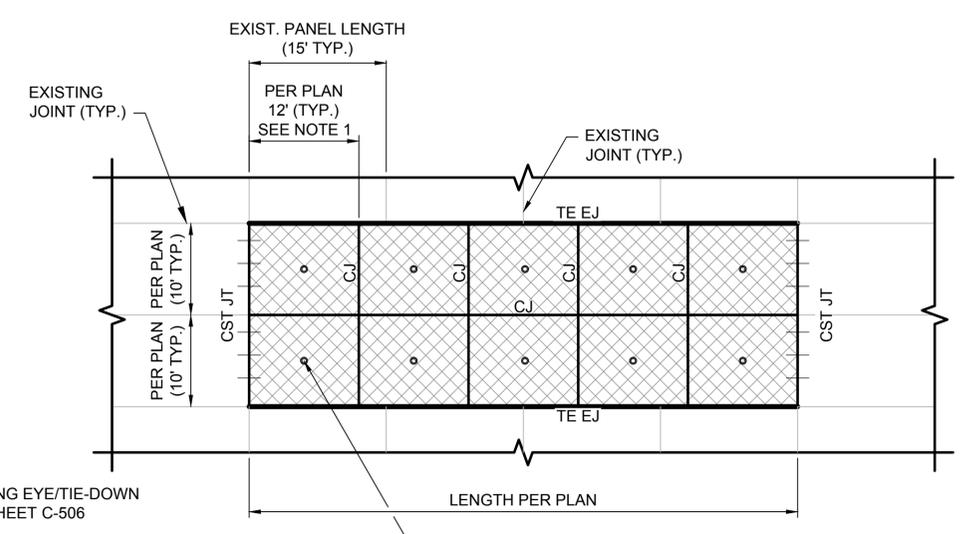
FILE NAME: P:\2015\1641-060\AS_2015134800_NAS_Corpus_Christi_Airfield_Repairs\20_Design\40_CAD\C\134800-05X-C-510.dwg LAYOUT NAME: CONCRETE JOINT LAYOUT PLOTTED: Monday, November 09, 2015 - 3:44pm USER: jacksonjr2



1 **TYPICAL TWO-PANEL WIDTH CONCRETE REPLACEMENT ADJACENT TO ASPHALT**
NOT TO SCALE

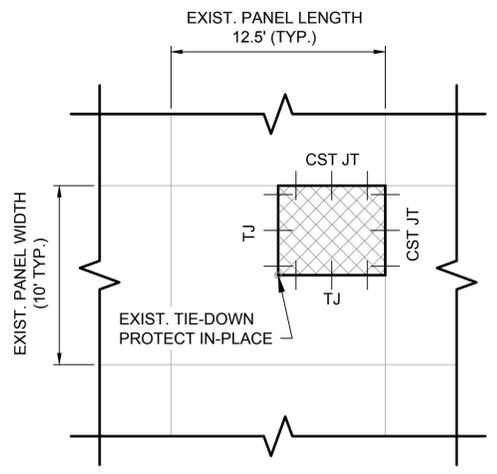


2 **TYPICAL FULL PANEL REPLACEMENT**
NOT TO SCALE

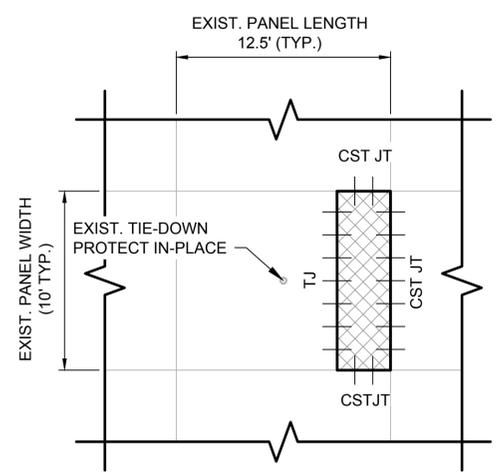


3 **TYPICAL TWO-PANEL CONCRETE REPLACEMENT**
NOT TO SCALE

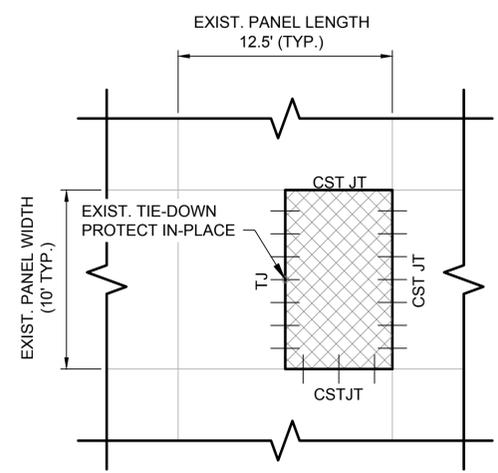
- NOTES:**
1. TRANSVERSE JOINT SPACING SHALL NOT EXCEED 1.25 TIMES THE SLAB WIDTH AND SHALL BE EQUALLY SPACED THROUGHOUT THE REPLACEMENT LENGTH.
 2. EXPANSION JOINTS SHALL BE PLACED BETWEEN NEW AND EXISTING CONCRETE PAVEMENTS WHEN THE JOINTS IN THE ADJACENT SLABS ARE NOT ALIGNED.
 3. CONTRACTION JOINTS W/TIE BARS SHALL BE USED FOR LONGITUDINAL CONTRACTION JOINTS THAT ARE 15' OR LESS FROM FREE EDGE OF PAVED AREAS GREATER THAN 100' IN WIDTH.
 4. IN LOCATIONS WHERE A PARTIAL OR FULL PANEL REPLACEMENT IS ADJACENT TO ANOTHER PARTIAL OR FULL PANEL REPLACEMENT OF ANOTHER PANEL, THE TWO NEW AREAS SHALL BE POURED AT THE SAME TIME AND SEPARATED BY A DOWELED CONTRACTION JOINT. IF POURED SEPARATELY, PROVIDE A DOWELED CONSTRUCTION JOINT.



4 **TYPICAL 1/4 OR 1/6 PANEL REPLACEMENT**
NOT TO SCALE



5 **TYPICAL 1/4 PANEL REPLACEMENT (FULL WIDTH)**
NOT TO SCALE



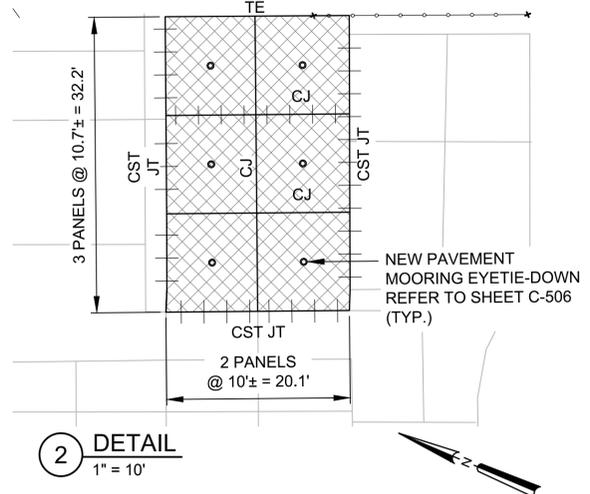
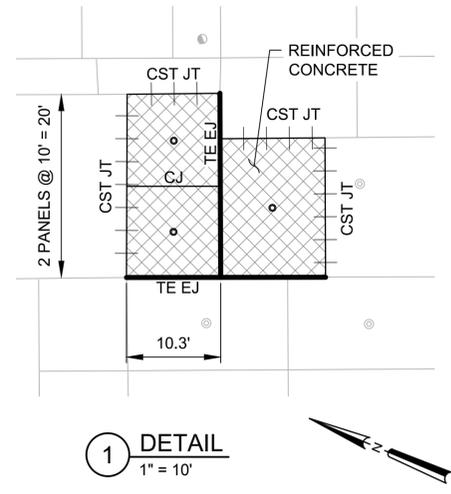
6 **TYPICAL 1/2 PANEL REPLACEMENT**
NOT TO SCALE

CJ	CONTRACTION JOINT, DETAIL 7, SHEET C-505.
TE	THICKENED EDGE, DETAIL 1, SHT. C-508.
TE EJ	THICKENED EDGE W/ EXPANSION JOINT, DETAIL 1, SHT. C-508.
CST JT	CONSTRUCTION JOINT, DETAIL 5, SHT. C-505.
TJ	TIE JOINT, DETAIL 8, SHT. C-505.
EJ	EXPANSION JOINT, DETAIL 6, SHT. C-505.
EJ	DOWELED EXPANSION JOINT, DETAIL 3, SHT. C-505.
CJ	CONTRACTION JOINT W/ DEFORMED BARS, DETAIL 9, SHT. C-505.

- NOTE:**
1. SEE SHEET G1003 FOR ADDITIONAL INFORMATION ON CONCRETE JOINTS.
 2. DOWEL DIA. AND TYPE PER RESPECTIVE DETAILS ON SHEET C-505.
 3. MIN. 2" CLEARANCE BETWEEN DOWELS OR DEFORMED BARS OF ADJACENT JOINTS.

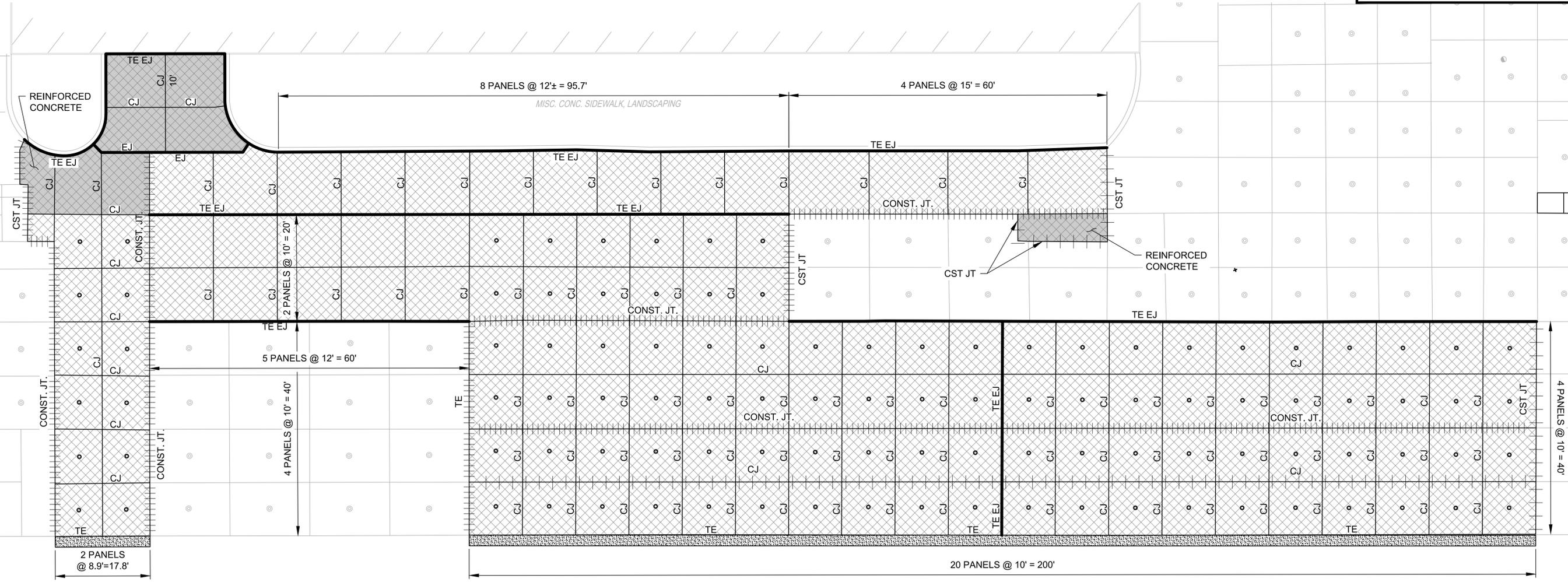
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ISSUED FOR BID	0
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FOR COMMANDER NAVFAC	
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DES	CLM
DRW	GLH
CHK	HWM
PM / DM	
BRANCH MANAGER	
CHIEF ENG / ARCH	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST	NAVAL AIR STATION JACKSONVILLE
CIBL CORE	NAS CORPUS CHRISTI, TEXAS
	NAS CORPUS CHRISTI AIRFIELD REPAIRS
	MAIN PARKING APRON
	CONCRETE JOINT LAYOUT
SCALE:	AS NOTED
PROJECT NO.:	
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	15095366
SHEET	53 OF 117
C-510	
DRAWFORM REVISION: 5 APRIL 2012	

FILE NAME: P:\FBY1641-CRCL\NAE\2015134800-IMS_Corpus_Christi_Airfield_Repairs\20_DESIGN\40_DRAWING_LAYOUT\CONCRETE_JOINT_LAYOUT_LAYOUT_NAME: CONCRETE_JOINT_LAYOUT_LAYOUT_DATE: Monday, November 09, 2015 - 3:44pm USER: jacksonm2



CJ	CONTRACTION JOINT, DETAIL 7, SHEET C-505.
TE	THICKENED EDGE, DETAIL 1, SHT. C-508.
TE EJ	THICKENED EDGE W/ EXPANSION JOINT, DETAIL 1, SHT. C-508.
CST JT	CONSTRUCTION JOINT, DETAIL 5, SHT. C-505.
TJ	TIE JOINT, DETAIL 8, SHT. C-505.
EJ	EXPANSION JOINT, DETAIL 6, SHT. C-505.
EJ	DOWELED EXPANSION JOINT, DETAIL 3, SHT. C-505.
CJ	CONTRACTION JOINT W/ DEFORMED BARS, DETAIL 9, SHT. C-505.

NOTE:
 1. SEE SHEET GI003 FOR ADDITIONAL INFORMATION ON CONCRETE JOINTS.
 2. DOWEL DIA. AND TYPE PER RESPECTIVE DETAILS ON SHEET C-505.
 3. MIN. 2" CLEARANCE BETWEEN DOWELS OR DEFORMED BARS OF ADJACENT JOINTS.



DATE	6 NOV 2015
ISSUED FOR BID	0
DESCRIPTION	

leidos
 LEIDOS ENGINEERING, LLC
 ONE WEST 3RD ST.
 TULSA, OK 74103

DELTA AIRPORT CONSULTANTS, INC.
 9711 Farmer Court, Suite 100
 Richmond, Virginia 23238
 phone: (804) 275-8301 • fax: (804) 275-8371
 www.deltairport.com
 Delta Project No. 14072

APPROVED FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES: CLM | DRAW: GLH | CHK: HWM

PM / DM

BRANCH MANAGER

CHIEF ENG / ARCH

FIRE PROTECTION

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 SOUTHEAST
 NAVAL AIR STATION JACKSONVILLE
 CIBL CORE
 NAS CORPUS CHRISTI
 NAS CORPUS CHRISTI AIRFIELD REPAIRS
 MAIN PARKING APRON
 CONCRETE JOINT LAYOUT

SCALE: AS NOTED

PROJECT NO.:

CONSTR. CONTR. NO.:

NAVFAC DRAWING NO. 15095367

SHEET 54 OF 117

C-511

DRAWFORM REVISION: 5 APRIL 2012

