

REMOVE EXISTING SOIL WITHIN THE UNPAVED AREA NEXT TO THE HANGAR AND INSTALL 4 INCHES OF CONCRETE TO INSURE ADEQUATE DRAINAGE INTO 6" PIPE.

NOTE: EXISTING GUTTER AND DOWNSPOUT IN THIS AREA TO BE RECONSTRUCTED AND/OR RELOCATED TO DISCHARGE TO THE SOUTH ONTO PROPOSED PAVEMENT AWAY FROM LOW AREA IN THE CORNER.

INSTALL 13 LF OF TRENCH GRATE ALONG CONCRETE BEAM FOR HANGAR DOOR TRACKS WITH OUTFALL NORTH INTO UNPAVED AREA. TOP OF TRENCH GRATE TO BE 1/2 INCH BELOW TOP OF BEAM.

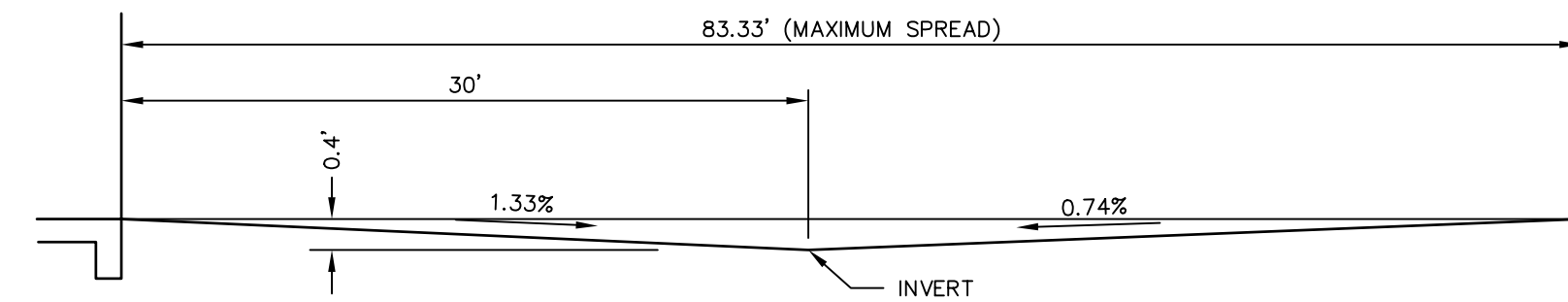
INSTALL 10 LF OF 6" PVC FROM INLET TO EDGE OF PVMT. INSTALL 6" SLOTTED DRAIN CAP AT END OF PIPE. FL AT INLET 640.70 FL AT END 640.90

CONST. NEW CONC. WALK (SEE SECT. B-B)

PROPOSED GRATE INLET TOP 641.50

EXISTING GRATE TO BE REMOVED

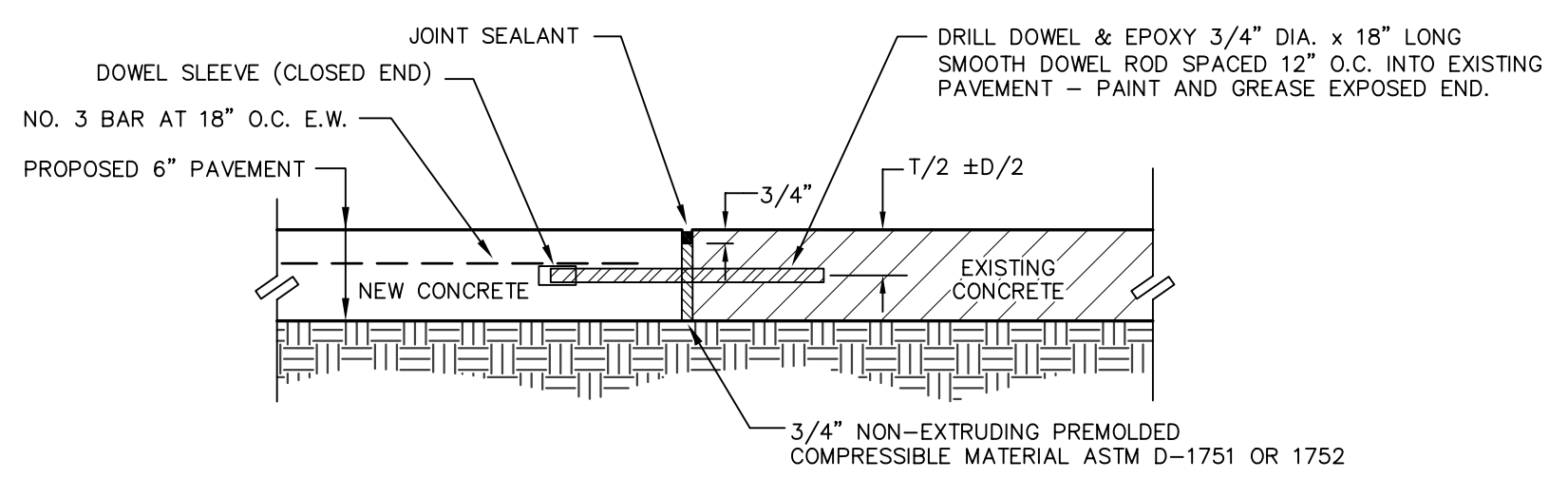
INVERT ANALYSIS									
RATING CURVE COMPUTATION									
Channel Bottom Slope (ft/ft)	0.0072								
Manning's Roughness Coefficient (n-value)	0.013								
Channel Left Side Slope (horizontal/vertical)	1.33%								
Channel Right Side Slope (horizontal/vertical)	0.74%								
Channel Bottom Width (ft)	0.0								
Minimum Flow Depth (ft)	0.1								
Maximum Flow Depth (ft)	0.5								
Incremental Head (ft)	0.02								
COMPUTATION RESULTS									
Flow Depth (ft)	Flow Rate (cfs)	Flow Velocity (fps)	Froude Number	Velocity Head (ft)	Energy Head (ft)	Flow Area (sq ft)	Top Width (ft)		
0.1	1.17	1.32	1.039	0.027	0.127	0.89	17.6		
0.12	1.9	1.49	1.071	0.035	0.155	1.27	21.1		
0.14	2.86	1.65	1.098	0.042	0.182	1.73	24.6		
0.16	4.07	1.8	1.123	0.051	0.211	2.26	28.1		
0.18	5.57	1.95	1.145	0.059	0.239	2.85	31.6		
0.2	7.37	2.09	1.165	0.068	0.268	3.52	35.1		
0.22	9.49	2.23	1.184	0.077	0.297	4.26	38.6		
0.24	11.97	2.36	1.201	0.087	0.327	5.06	42.1		
0.26	14.81	2.49	1.217	0.097	0.357	5.94	45.6		
0.28	18.04	2.62	1.232	0.107	0.387	6.89	49.1		
0.3	21.67	2.74	1.247	0.117	0.417	7.91	52.6		
0.32	25.73	2.86	1.26	0.127	0.447	8.99	56.1		
0.34	30.24	2.98	1.273	0.138	0.478	10.15	59.6		
0.36	35.21	3.1	1.285	0.149	0.509	11.38	63.1		
0.38	40.66	3.21	1.297	0.16	0.54	12.67	66.6		
0.4	46.61	3.32	1.308	0.171	0.571	14.04	70.1		
0.42	53.08	3.43	1.319	0.183	0.603	15.48	73.6		
0.44	60.08	3.54	1.329	0.194	0.634	16.98	77.1		
0.46	67.63	3.64	1.339	0.206	0.666	18.56	80.6		
0.48	75.75	3.75	1.348	0.218	0.699	20.21	84.1		
0.5	84.45	3.85	1.357	0.231	0.731	21.92	87.6		



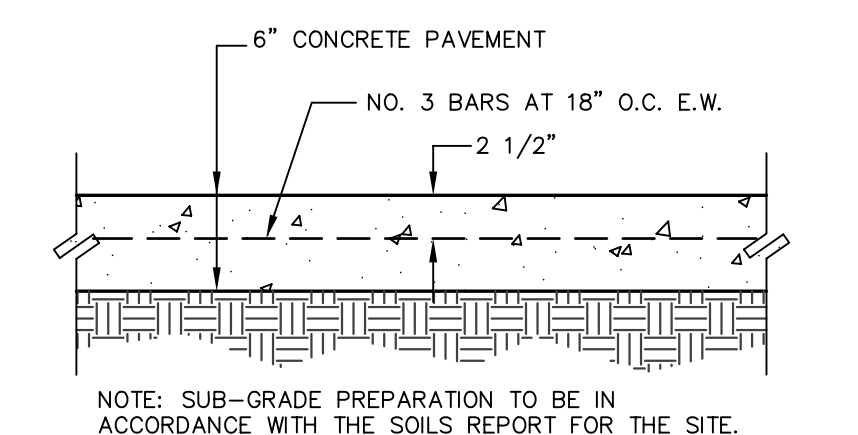
SECTION A-A TAXIWAY INVERT CAPACITY NOT TO SCALE

D = <0.18' FOR Q2 OF 5.31
D = <0.22' FOR Q100 OF 9.30

CAPACITY AT 0.4' DEPTH



NEW CONCRETE TO EXISTING CONCRETE DETAIL (TO BE USED ON ALL AIRCRAFT APRON PAVING) NOT TO SCALE



6" CONCRETE PAVEMENT SECTION DETAIL NOT TO SCALE

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE DONE IN STRICT CONFORMANCE TO THESE PLANS AND ALL APPLICABLE MUNICIPAL CODES AND STANDARDS.
2. SEE SHEET C-1 FOR ALL HORIZONTAL CONTROL DIMENSIONS.
3. SEE SHEET C2 FOR SITE DEMOLITION PLAN.
4. SEE SHEET C4 AND C5 FOR STORM DRAIN PLAN, PROFILE AND DETAILS.
5. SEE SHEET C6 FOR UTILITY PLAN OF THE SITE.
6. SEE SHEET C7 FOR EROSION CONTROL PLAN OF THE SITE.
7. ALL SPOT ELEVATIONS ADJACENT TO CURBS ARE GUTTER ELEVATIONS UNLESS OTHERWISE SHOWN.
8. ALL SITE PAVING TO BE DONE IN ACCORDANCE TO THE RECOMMENDATIONS AS OUTLINED IN THE SOILS REPORT FOR THIS SITE.
9. ALL SITE GRADING AND SUBGRADE PREPARATION SHALL BE DONE IN ACCORDANCE TO THE RECOMMENDATIONS AS OUTLINED IN THE SOILS REPORT FOR THIS SITE.
10. ALL LANDSCAPED AREAS TO BE UNIFORMLY GRADED AS SHOWN.

EXISTING UTILITIES NOTES:

1. THE LOCATION OF ALL UNDERGROUND FACILITIES AS INDICATED ON THE PLANS ARE TAKEN FROM PUBLIC RECORDS. JDJR ENGINEERS & CONSULTANTS ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF SUCH RECORDS AND DOES NOT GUARANTEE THAT ALL UNDERGROUND UTILITIES ARE SHOWN OR ARE LOCATED PRECISELY AS INDICATED.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ARRANGEMENTS WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES PRIOR TO WORKING IN THE AREA TO CONFIRM THEIR EXACT LOCATION AND TO DETERMINE WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT.
3. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL UNDERGROUND FACILITIES FOUND.
4. NOTIFY JDJR ENGINEERS & CONSULTANTS IF ANY UNDERGROUND UTILITIES ARE NOT IN THE LOCATIONS INDICATED ON THESE PLANS (HORIZONTALLY AND VERTICALLY) OR CONFLICT WITH ANY PROPOSED IMPROVEMENTS ASSOCIATED WITH THESE PLANS.

DRAINAGE DATA						
AREA NO.	ACRES	C	T _c MIN	I ₂ IN/HR	Q ₂ CFS	Q ₁₀₀ CFS
*A	1.11	0.95	10	5.04	5.31	8.82
B1	0.28	0.95	10	5.04	1.34	8.82
B2	0.28	0.95	10	5.04	1.34	8.82
B3	0.01	0.95	10	5.04	0.05	8.82
**C	0.03	0.95	10	5.04	0.14	8.82

* NOTE: AREA A CONFORMS TO THE APPROVED PLANS ON FILE AT THE CITY OF ADDISON FOR EHOAA - EXECUTIVE HANGAR OWNERSHIP ASSOCIATION OF ADDISON - CITY PLAN NO. PW# 2008-07
** NOTE: AREA C IS A PLANE WASH AREA AND DRAINS INTO THE SANITARY SEWER SERVICE (THROUGH A SAND TRAP)

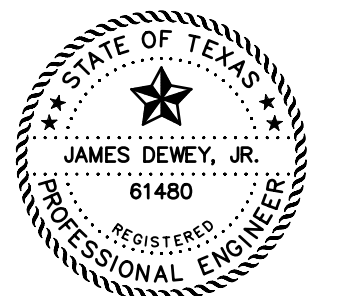
LEGEND

- 624 ——— EXISTING CONTOUR LINE
- + 480.25 ——— EXISTING SPOT ELEVATION
- 525 ——— PROPOSED SPOT ELEVATION
- PROPOSED CONTOUR LINE
- INVERT OR FLOWLINE
- DRAINAGE DIVIDE LINE
- PROPOSED CONCRETE PAVEMENT

"AS-BUILT"
THIS AS-BUILT DRAWING IS BASED ON INFORMATION OBTAINED FROM BUILDING CONTRACTORS DURING CONSTRUCTION AS PROVIDED TO JDJR ENGINEERS & CONSULTANTS, INC. JDJR ENGINEERS & CONSULTANTS, INC. DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THESE RECORDS.

BENCH MARK: SQUARE CUT FOUND C.L. OF CURB INLET, WEST SIDE OF ADDISON ROAD, 75' SOUTH OF THE C.L. OF AIRPORT PRKY. ELEVATION 642.51
SITE TBM: X-CUT SET IN CONCRETE WALK ±38' NORTH OF THE NORTHEAST CORNER OF THIS TRACT. ELEVATION 642.86

REVISIONS:	
1/07/09	PER CITY REVIEW
8/11/09	REV FOR CLIENT
9/11/09	PER CITY REVIEW
9/23/09	PER CITY REVIEW
4/13/10	ADD TRENCH GRATE
5/18/10	AS BUILT



SHEET TITLE:
GRADING, DRAINAGE AND PAVING PLAN
PAVING AND DRAINAGE IMPROVEMENTS
15841 ADDISON ROAD
ADDISON AIRPORT
ADDISON, TEXAS

PREPARED BY:
JDJR ENGINEERS AND CONSULTANTS
TSBPE REGISTRATION NUMBER F-8527
ENGINEERS • SURVEYORS • LAND PLANNERS
2500 Texas Drive Suite 100 Irving, Texas 75062
Tel 972-252-5357 Fax 972-252-8958

DATE: DEC. 2, 2008 DRAWN BY: SAS SHEET NO.
SCALE: 1" = 20' CHECKED BY: JDJR **C3B** OF 7