

**CONCRETE PAVEMENT NOTES AND SPECIFICATIONS**

**CONVENTIONAL CONCRETE NOTES**

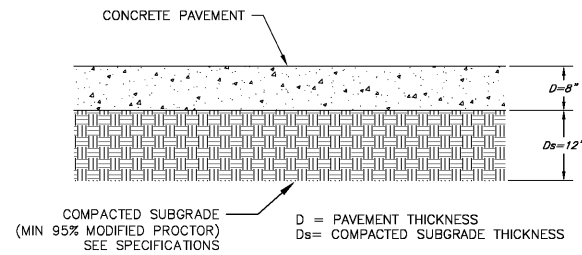
**GENERAL NOTES**

- USE AMERICAN CONCRETE INSTITUTE (ACI) CERTIFIED FLATWORK FINISHER.
  - USE ACI 330 GUIDE FOR DESIGN AND CONSTRUCTION OF CONCRETE PARKING LOTS.
  - USE ACI 330.1 STANDARD SPECIFICATION FOR UNREINFORCED CONCRETE PARKING LOTS.
  - ALL CONCRETE USED IN PARKING LOT, UNLESS OTHERWISE INDICATED, SHALL HAVE A COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
  - PREPARE THE SUBGRADE IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS FOR RIGID PAVEMENTS. SUBGRADE SOIL DENSITY TESTING MUST BE COMPLETED AND VERIFIED BY THE GEOTECHNICAL ENGINEER PRIOR TO CONCRETE PLACEMENT.
  - IMPORTED SOIL USE FOR BACK FILL SHOULD BE FREE OF HEAVY CLAY, SILTS, STONES, PLANT ROOT OR OTHER FOREIGN MATERIAL GREATER THAN 1 1/2" IN DIAMETER IN ORDER TO ACHIEVE ADEQUATE COMPACTION AROUND ANY FIXED OBJECT IN GROUND. ALTERNATE WILL BE TO USE FLOWABLE FILL.
  - CURE CONCRETE IMMEDIATELY AFTER FINISHING OPERATION IS COMPLETED BY USING ONE OF THE FOLLOWING METHODS: WATER, PIGMENTED WATER-BASED CURING COMPOUND OR VISQUEEN AND BURLAP.
- COMPACTED SUBGRADE**
- THE TOP 12 INCHES SHALL BE COMPOSED OF GRANULAR OR GRAVELY SOIL THAT IS PREDOMINANTLY SAND. SUBGRADE SHALL BE PLACED IN 6" LIFTS. SUBGRADE SHALL BE MOIST WITHOUT FREESTANDING WATER WHEN PLACING CONCRETE.
  - SUBGRADE FOR PAVEMENT AREAS SHALL BE COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR FOR A MINIMUM DEPTH OF 12 INCHES.

**JOINT SPACING DETERMINATION**

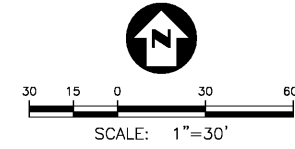
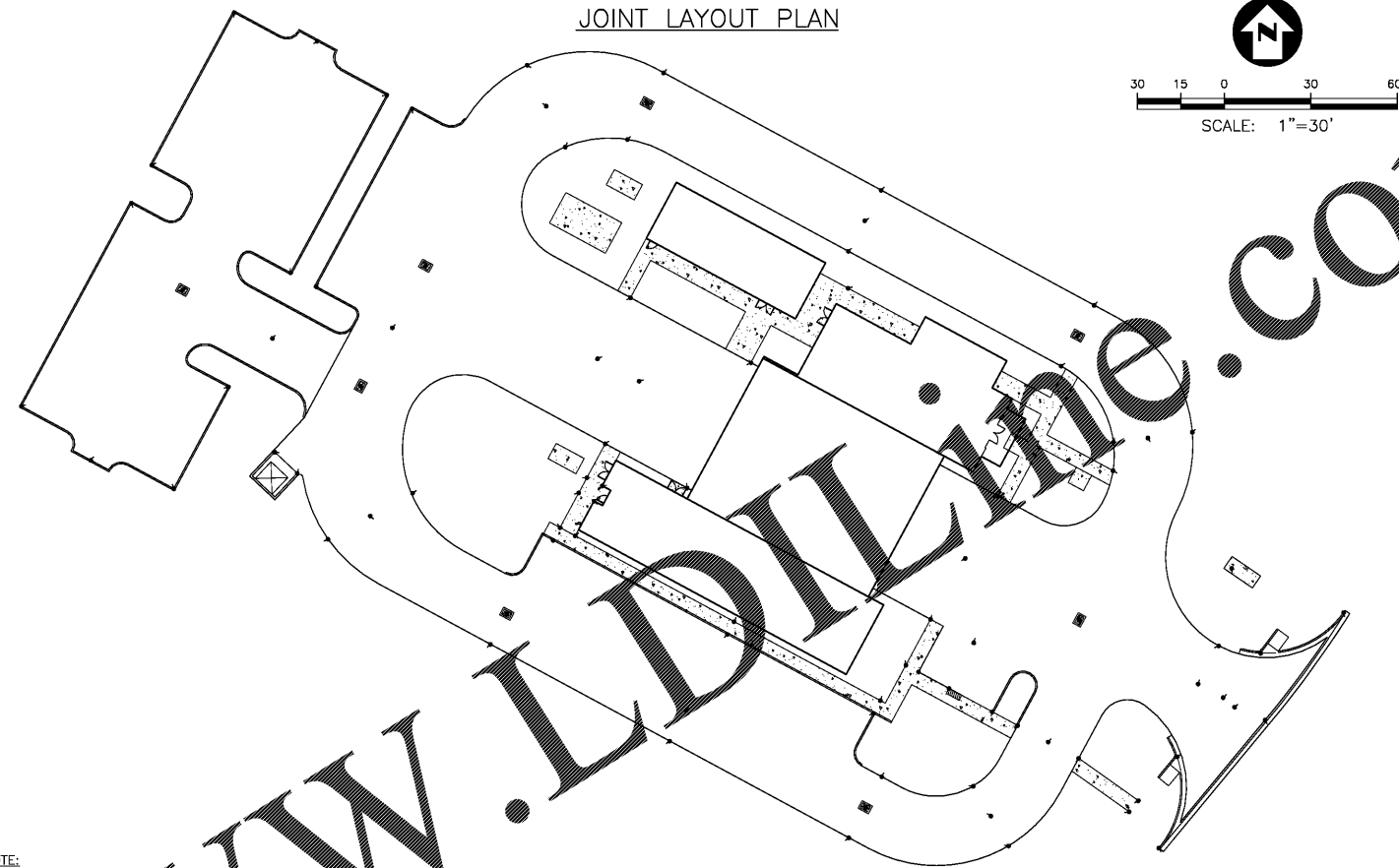
- KEEP ALL JOINTS CONTINUOUS.

- CONTROL JOINTS SHALL BE FORMED OR SAWED WITHIN 12 HOURS FROM TIME OF PLACEMENT.
  - MAXIMUM SPACING IS 15 FEET.
- CURBS**
- ALL CURBING SHALL BE CONSTRUCTED OF CONCRETE THAT WILL OBTAIN A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI AT 28 DAYS
  - ALL CONCRETE CURBS SHALL BE SPACED WITH A FULL-DEPTH, 1/2" WIDTH ISOLATION JOINT MATERIAL PRIOR TO PLACEMENT OF ADJACENT CONCRETE PAVEMENT
  - THERE SHALL BE CONTROL JOINTS, EITHER TOOL OR SAW-CUT, MATCH PAVEMENT JOINTS, UNLESS OTHERWISE SPECIFIED; JOINTS SHALL BE FORMED WITHIN 12 HOURS OF PLACEMENT.
  - ALL CURB ENDS THAT DO NOT TIE INTO OTHER FACILITIES SHALL TRANSITION DOWN TO PAVEMENT GRADE IN 24 INCHES.
  - CONSTRUCTION JOINT SHALL BE TIED WITH A No.4 TIE BAR EXTENDED 6 INCHES INTO EACH CURB SECTION AND SHALL BE SPACED WITH A FULL-DEPTH 1/2" WIDTH ISOLATION JOINT MATERIAL.



1 TYPICAL SECTION CLASS-1 CONCRETE  
CD-1 NOT TO SCALE

NOTE: ALL JOINTS TYPE A OR CONSTRUCTION JOINT AT CONTRACTOR'S OPTION UNLESS NOTED OTHERWISE.



**CITY OF TAMPA**  
CONTRACT ADMINISTRATION  
DEPARTMENT  
PLANNING AND DESIGN DIVISION  
805 E. JACKSON STREET 4 NORTH  
TAMPA, FLORIDA 33602  
P: 813.274.8466 - F: 813.274.8080  
WWW.TAMPAGOV.US

James E. Jackson, Jr. AIA, NOMA  
City Architect  
Edward D. Rice, AIA  
Project Architect  
Kevin L. Hurdin, AIA  
Project Architect  
Thomas A. Hester, Sr., AIA, NOMA  
Project Architect  
Kasey C. Tillman  
Drafting Technician  
Jerry P. Sanders  
Drafting Technician  
Byron K. Thomas, LEED AP  
Drafting Technician

**MEP CONSULTANT**  
GRINER ENGINEERING, INC.  
1628 1st AVENUE NORTH  
ST. PETERSBURG, FL 33713

**STRUCTURAL CONSULTANT**  
BILLER REINHART  
STRUCTURAL GROUP, INC.  
4014 GUNN HWY. SUITE 248  
TAMPA, FL 33713

**CIVIL CONSULTANT**

**LANDSCAPE CONSULTANT**  
DAVID CONNER & ASSOCIATES  
1509 W. SWANN AVENUE  
SUITE 255  
TAMPA, FL 33606

**FIRE STATION 23**  
20770 TROUT CREEK DR.  
TAMPA, FL 33647

**DPW FILE NUMBER**

**DPW NUMBER**  
17-C-00037

**ISSUE DATE**  
???

**DRAWN BY**  
JAM

**REVISIONS**

△	
△	
△	

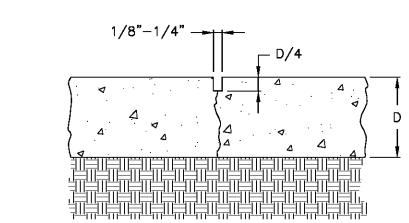
**SEAL**

Jesus A. Merly, PE FL Reg No. 58113

Elevations shown within this plan set are based on North American Vertical Datum (NAVD 1988)

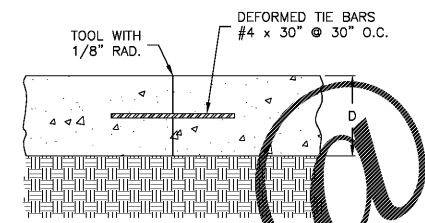
**PAVING, GRADING AND DRAINAGE DETAILS**

**SHEET NUMBER:**  
CD-1



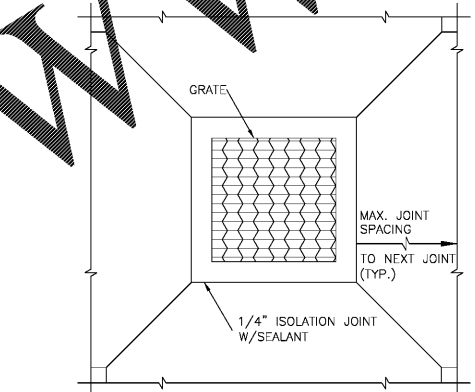
UNDOWELED TRANSVERSE CONTRACTION OR LONGITUDINAL JOINT, SAWED OR PRE-MOLDED. DO NOT DOWEL PAVEMENTS LESS THAN 7" THICK

TYPICAL SECTION- TYPE 'A' CONTRACTION JOINT  
N.T.S.

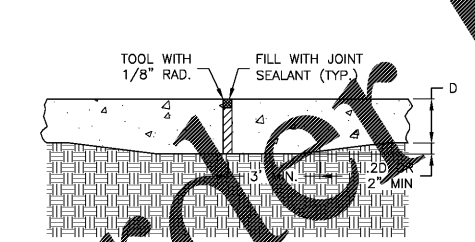


TIED LONGITUDINAL CONTRACTION OR CONTRACTION JOINT WHERE REQUIRED. NOTE: DO NOT TIE MORE THAN THREE LANES TOGETHER

TYPICAL SECTION- TYPE 'B' TIED JOINT  
N.T.S.

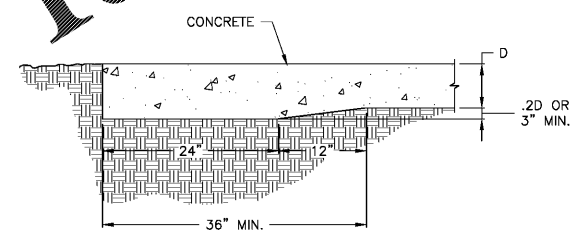


3 TYPICAL JOINTS AT INLETS DETAIL  
CD-1 NOT TO SCALE



ISOLATION JOINT FOR PAVEMENTS LESS THAN 8" THICK.

TYPICAL SECTION- TYPE 'D' BUTT JOINT  
N.T.S.



TYPICAL SECTION- THICKENED EDGE  
N.T.S.

2 CONVENTIONAL CONCRETE JOINT DETAILS  
CD-1 NOT TO SCALE

**PAVEMENT DESIGN**

LAYER	C	THICKNESS (IN)	SNI
TYPE SP-9.5 AC	0.44	1.5	0.66
CRUSHED CONCRETE (LBR 100)	0.18	6	1.08
STABILIZED SUBGRADE (LBR 40)	0.08	8	0.64
TOTAL			2.38

4 ASPHALT PAVEMENT DESIGN  
CD-1 NOT TO SCALE

**STORM DRAINAGE STRUCTURE SCHEDULE**

STRUCTURE	TYPE	INV (N)	INV (S)	INV (W)	INV (E)	RIM OR GRT EL	DOWNSTREAM PIPE
ST-1	TYPE C DBI FDOT STD INDEX 232	---	99.99	99.99	---	57.42	N/A
ST-2	TYPE C DBI FDOT STD INDEX 232	---	99.99	---	99.99	57.39	18" RCP
ST-3	TYPE C DBI FDOT STD INDEX 232	99.99	99.99	---	---	57.34	18" RCP
ST-4	TYPE C DBI FDOT STD INDEX 232	99.99	---	99.99	99.99	57.34	18" RCP
ST-5	TYPE C DBI FDOT STD INDEX 232	99.99	99.99	99.99	---	57.46	18" RCP
ST-6	TYPE C DBI FDOT STD INDEX 232	---	---	---	99.99	57.34	18" RCP
ST-7	TYPE C DBI FDOT STD INDEX 232	---	99.99	---	---	57.17	18" RCP
ST-8	TYPE C DBI FDOT STD INDEX 232	99.99	---	99.99	---	57.46	18" RCP
YD-1	12" DIAMETER YARD DRAIN PER FDOT STD INDEX 282 SHEET 3 OF 3	---	---	---	99.99	99.99	12" PVC SCH 40
YD-2	12" DIAMETER YARD DRAIN PER FDOT STD INDEX 282 SHEET 3 OF 3	99.99	---	99.99	---	99.99	12" PVC SCH 40
YD-3	12" DIAMETER YARD DRAIN PER FDOT STD INDEX 282 SHEET 3 OF 3	99.99	99.99	---	---	99.99	12" PVC SCH 40
YD-4	12" DIAMETER YARD DRAIN PER FDOT STD INDEX 282 SHEET 3 OF 3	99.99	99.99	---	---	99.99	12" PVC SCH 40
YD-5	12" DIAMETER YARD DRAIN PER FDOT STD INDEX 282 SHEET 3 OF 3	---	---	99.99	99.99	99.99	12" PVC SCH 40
YD-6	12" DIAMETER YARD DRAIN PER FDOT STD INDEX 282 SHEET 3 OF 3	99.99	---	---	99.99	99.99	12" PVC SCH 40
YD-7	12" DIAMETER YARD DRAIN PER FDOT STD INDEX 282 SHEET 3 OF 3	---	99.99	99.99	---	99.99	12" PVC SCH 40
YD-8	12" DIAMETER YARD DRAIN PER FDOT STD INDEX 282 SHEET 3 OF 3	99.99	---	---	---	99.99	12" PVC SCH 40
YD-9	12" DIAMETER YARD DRAIN PER FDOT STD INDEX 282 SHEET 3 OF 3	99.99	99.99	---	---	99.99	12" PVC SCH 40
YD-10	12" DIAMETER YARD DRAIN PER FDOT STD INDEX 282 SHEET 3 OF 3	99.99	99.99	---	99.99	99.99	12" PVC SCH 40
YD-11	12" DIAMETER YARD DRAIN PER FDOT STD INDEX 282 SHEET 3 OF 3	99.99	---	---	---	99.99	12" PVC SCH 40
YD-12	12" DIAMETER YARD DRAIN PER FDOT STD INDEX 282 SHEET 3 OF 3	99.99	99.99	---	---	99.99	12" PVC SCH 40
YD-13	12" DIAMETER YARD DRAIN PER FDOT STD INDEX 282 SHEET 3 OF 3	---	99.99	---	99.99	99.99	12" PVC SCH 40
YD-14	12" DIAMETER YARD DRAIN PER FDOT STD INDEX 282 SHEET 3 OF 3	---	---	99.99	---	99.99	12" PVC SCH 40
YD-15	12" DIAMETER YARD DRAIN PER FDOT STD INDEX 282 SHEET 3 OF 3	---	---	---	99.99	99.99	12" PVC SCH 40