EXPANSION JOINT TYPE 1

CONTRACTION JOINT TYPE 3

CONCRETE SIDEWALK

NOTE:
1. CONCRETE SIDEWALK SHALL BE 5" HIGH AND 4' WIDE.
2. CONCRETE SIDEWALK SHALL BE LEVEL.
3. CONCRETE SIDEWALK SHALL BE 5' WIDE.
4. CONCRETE SIDEWALK SHALL BE 5" HIGH.
5. CONCRETE SIDEWALK SHALL BE 5" HIGH AND 4' WIDE.
6. CONCRETE SIDEWALK SHALL BE 5' WIDE.
7. CONCRETE SIDEWALK SHALL BE 5" HIGH.
8. CONCRETE SIDEWALK SHALL BE 5' WIDE.

CONCRETE AND SPECIAL NOTES:
1. CONCRETE SIDEWALL SHALL BE 5" HIGH AND 4' WIDE.
2. CONCRETE SIDEWALK SHALL BE 5' WIDE.
3. CONCRETE SIDEWALK SHALL BE 5" HIGH.
4. CONCRETE SIDEWALK SHALL BE 5' WIDE.
5. CONCRETE SIDEWALK SHALL BE 5" HIGH.
6. CONCRETE SIDEWALK SHALL BE 5' WIDE.
7. CONCRETE SIDEWALK SHALL BE 5" HIGH.
8. CONCRETE SIDEWALK SHALL BE 5' WIDE.

EXPANSION JOINT TYPE 1

CONTRACTION JOINT TYPE 3

CONCRETE STEP DETAIL (SEE SITE PLAN)

CONCRETE OPENS IN SPECIAL NOTES:
1. CONCRETE SIDEWALK SHALL BE 5" HIGH AND 4' WIDE.
2. CONCRETE SIDEWALK SHALL BE 5' WIDE.
3. CONCRETE SIDEWALK SHALL BE 5" HIGH.
4. CONCRETE SIDEWALK SHALL BE 5' WIDE.
5. CONCRETE SIDEWALK SHALL BE 5" HIGH.
6. CONCRETE SIDEWALK SHALL BE 5' WIDE.
7. CONCRETE SIDEWALK SHALL BE 5" HIGH.
8. CONCRETE SIDEWALK SHALL BE 5' WIDE.

CONCRETE STEP DETAIL (SEE SITE PLAN)

CONCRETE OPENS IN SPECIAL NOTES:
1. CONCRETE SIDEWALK SHALL BE 5" HIGH AND 4' WIDE.
2. CONCRETE SIDEWALK SHALL BE 5' WIDE.
3. CONCRETE SIDEWALK SHALL BE 5" HIGH.
4. CONCRETE SIDEWALK SHALL BE 5' WIDE.
5. CONCRETE SIDEWALK SHALL BE 5" HIGH.
6. CONCRETE SIDEWALK SHALL BE 5' WIDE.
7. CONCRETE SIDEWALK SHALL BE 5" HIGH.
8. CONCRETE SIDEWALK SHALL BE 5' WIDE.

CONCRETE OPENS IN SPECIAL NOTES:
1. CONCRETE SIDEWALK SHALL BE 5" HIGH AND 4' WIDE.
2. CONCRETE SIDEWALK SHALL BE 5' WIDE.
3. CONCRETE SIDEWALK SHALL BE 5" HIGH.
4. CONCRETE SIDEWALK SHALL BE 5' WIDE.
5. CONCRETE SIDEWALK SHALL BE 5" HIGH.
6. CONCRETE SIDEWALK SHALL BE 5' WIDE.
7. CONCRETE SIDEWALK SHALL BE 5" HIGH.
8. CONCRETE SIDEWALK SHALL BE 5' WIDE.
Know what’s below. Call before you dig.

RETAINING WALL A PLAN

RETAINING WALL A PROFILE
Know what's below before you dig.

Call 811.
Know what's below.
Call before you dig.
PLAZA MIDDLE SCHOOL
6501 NW 72ND STREET
KANSAS CITY, MO 64151

SCHOOL SITE IMPROVEMENTS
NUMBER
PE-2011037427

DAVID D.
W O O D
P R O F E S S I O N A L
E N G I N E E R I N G
S T A T E
M O.

STORM DETAIL SHEET
8" 4"

011-110-144

REV

A3130 VERONA AVE
BUFORD, GA 30518
PHN (770) 932-2443
FAX (770) 932-2490
www.nyloplast-us.com

DRAIN BASIN WITH STANDARD GRATE
QUICK SPEC INSTALLATION DETAIL

TITLE
PROJECT NO./NAME
MATERIAL
DATE
APPD BY

1-23-06
DATE
CJA

DRAWN BY
1-23-06

5  ADAPTER ANGLES
VARIABLE 0° - 360°
ACCORDING TO PLANS

A 6" MIN.
8" MIN THICKNESS GUIDELINE
(6" MIN ON 8" - 24", 10" MIN ON 30"
4" MIN ON 8" - 24"
6" MIN ON 30"

MINIMUM PIPE BURIAL
DEPTH PER PIPE
MANUFACTURER
RECOMMENDATION

3  VARIABLE INVERT HEIGHTS
AVAILABLE (ACCORDING TO PLANS/TAKE OFF)

THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS II MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.

4  VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE: 4" - 30" FOR CORRUGATED HDPE (ADS N-12, ADS SINGLE WALL, HANCOR DUAL WALL), SDR 35, SCH 40 DWV, CORRUGATED & RIBBED PVC

WATERTIGHT JOINT (CORRUGATED HDPE SHOWN)

AREA INLET
450

1  -  8" - 30" GRATES/SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE 8" - 15" BRONZE GRATES

2  -  12" - 30" FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05

3  -  DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065

4  -  DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCOR DUAL WALL) & SDR 35 PVC

5  -  ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012, 7001-110-013, & 7001-110-014.

6  -  GRATES SHALL MEET H-10 LOAD RATING FOR 12" - 24" PED

7  -  GRATES SHALL MEET H-20 LOAD RATING FOR 30" PED & 12" - 30" STD & SOLID

8  -  ALL BRONZE GRATES, DROP IN GRATES, & 8" & 10" PED/STD GRATES & SOLID COVERS ARE RATED FOR LIGHT DUTY APPLICATION ONLY

9  -  DOME GRATES HAVE NO LOAD RATING

TRAFFIC LOADS:
REFER TO DETAIL [041] FOR THICKNESS.

INTEGRATED DUCTILE IRON FRAME & GRATE TO MATCH BASIN O.D.

M Y O P L A S T B A S I N IS THE BASIS OF DESIGN

DOWNSPOUT COLLECTOR

CLEAN-OUT

FOR CONSTRUCTION
PLAZA MIDDLE SCHOOL
6501 NW 72ND STREET
KANSAS CITY, MO 64151
SCHOOL SITE IMPROVEMENTS

DRAIN BASIN
PLANE DRAIN