PARK HILL ELEMENTARY SCHOOL
LEARNING LANDSCAPE PLAYGROUND IMPROVEMENTS

PARENT ID #8224
DENVER PUBLIC SCHOOLS
5050 EAST 19TH AVENUE
DENVER, COLORADO 80220

LEAD CONSULTANT:
LANDSCAPE ARCHITECT
CIVITAS INC.
1200 BANNOCK ST.
DENVER, CO 80224
TEL: 303-671-2053
FAX: 303-425-0438

CIVIL ENGINEER
COLLINS ENGINEERS
4675 PEARL, EAST CIRCLE, SUITE 201
BOULDER, CO 80301
TEL: 303-447-0090
FAX: 303-447-5141

IRRIGATION DESIGNER
AVOCET IRRIGATION
7114 W. JEFFERSON AVE.
LAKEWOOD, CO 80225
TEL: 303-262-175

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DENVER PUBLIC SCHOOLS
DEPARTMENT OF FACILITY MANAGEMENT
SCHOOL DISTRICT OF DENVER, COLORADO
PARK HILL ELEMENTARY SCHOOL
5600 E. 19TH AVENUE, DENVER
PRIVATE STORM SEWER PLANS

SITUATED IN THE SOUTHEAST 1/4 OF SECTION 31, TOWNSHIP 3 SOUTH,
RANGE 67 WEST OF THE 6TH P.M.

CITY AND COUNTY OF DENVER, STATE OF COLORADO.

DESIGNED BY:
DRAWN BY:
CHECKED BY:
DATE:
SCALE:

DEPARTMENT OF FACILITY MANAGEMENT

APPROVED CONTRACT DOCUMENT

DATE:

NO.

DATE
DESCRIPTION OF REVISION
AUTHORITY
APPR'D.

DENVER, CO
SCHOOL DISTRICT NO. 1
SCHOOL NO.
SITE NO.

DWG. NO.

DEPARTMENT OF FACILITY MANAGEMENT
DENVER PUBLIC SCHOOLS

ARCHITECT/ENGINEER

OF:

BMF
ACS

2/14/2011

AS-SHOWN

BEW

PARK HILL ELEMENTARY SCHOOL

5050 EAST 19TH AVENUE, DENVER

TITLE SHEET

PROJECT LOCATION

VICINITY MAP

SCALE 1/50

C0
Engineered Surface Drainage Products

12" AND 10" DRAIN BASIN

12" AND 10" DRAIN BASIN

DRAINAGE DETAILS

Section 3751

1. PVC surface drainage pipes shall be fabricated from the pipe size used in the installation of the job. The pipe shall be manufactured by the same manufacturer and shall be the same size and thickness as indicated on the drawings. The pipe shall be fabricated in accordance with the manufacture's specifications.

2. The pipe shall be fabricated in accordance with the manufacturer's specifications. The pipe shall be fabricated in accordance with the manufacturer's specifications. The pipe shall be fabricated in accordance with the manufacturer's specifications. The pipe shall be fabricated in accordance with the manufacturer's specifications.

3. The pipe shall be fabricated in accordance with the manufacturer's specifications. The pipe shall be fabricated in accordance with the manufacturer's specifications. The pipe shall be fabricated in accordance with the manufacturer's specifications. The pipe shall be fabricated in accordance with the manufacturer's specifications.

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8. The pipe shall be fabricated in accordance with the manufacturer's specifications. The pipe shall be fabricated in accordance with the manufacturer's specifications. The pipe shall be fabricated in accordance with the manufacturer's specifications. The pipe shall be fabricated in accordance with the manufacturer's specifications.
3. Valley Inlet Protection

Definition: A subcutaneous filter or an excavated impounding area around a storm drain drop inlet or catch basin.

Purpose: To reduce sediments from entering storm drainage systems prior to permanent stabilization of selected areas.

Special Application:
This method of inlet protection is applicable when heavy concentrated flows are expected, but not when flows are expected to be light when vector transmission or design is adjusted. Note: Always design catch basin with closed hatches.

4. Curb Inlet Protection

Definition: A subcutaneous filter or an excavated impounding area around a storm drain drop inlet or catch basin.

Purpose: To reduce sediments from exiting storm drainage systems prior to permanent stabilization of selected areas.

Special Application:
This method of inlet protection is applicable as catch basins where sediment is not likely to create discontinuities or damage to adjacent structures and roadways. Note: Always design curb catch basins with closed hatches.
1. CRIBS OR MOLDED CONCRETE USES FOR ALL LAYOUT OPERATIONS. ALL LAYOUT AND FORM WORK TO BE APPROVED LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

2. ALL CONTROLS TO BE LOCATED OUTER PERIMETER, ALONG ALL EXISTING WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

3. ALL CIRCULAR AND CURVED EYES TO TAKE ACCOUNT OF CONTINUOUS CURVATURE AND VERTICAL HEIGHTS IN CURVES ON CURVES. ALL CURVES ARE APPROVED PRIOR TO INSTALLATION AND ARE TO BE FOLLOWED FOR JEESEALED AND REPLACED AT NO ADDITIONAL COST TO THE CONTRACTOR.
Z1- OK
Z2- OK
Z3- OK
Z4- Replace two broken spray heads
Z5- Replace one broken spray head. Repair/replace one spray head in garden/bed that does not extend.
Z6- Clean/replace one clogged spray nozzle.
Z7- Replace 13 half-pattern spray heads with SST & EST nozzles.
Z8- Replace one spray head that does not extend. Clean/replace one clogged spray nozzle.
Z9- Replace one spray head in lateral piping near walk & tree.
Z10- OK
Z11- OK
Z12- OK
Z13- OK
Z14- Replace one broken spray head. Repair break in lateral piping near walk & tree.
Z15- Valve did not operate
Z16- Valve did not operate.

Irrigation Construction Notes

1. All irrigation valves have been verified and are functioning properly unless marked "OK".
2. All sprinkler heads, valves, and other irrigation equipment have been checked for proper operation.
3. All lateral piping has been inspected and found to be in good condition, with no signs of damage.
4. All risers and lateral lines have been verified as being in the correct locations.
5. All irrigation systems have been tested and are functioning as designed.
6. All irrigation controls have been checked and are set to the appropriate program settings.
7. All irrigation heads have been checked for proper alignment and are operating at the correct flow rates.
8. All irrigation systems have been inspected for any leaks or obstructions.
9. All irrigation equipment has been inspected and found to be in good condition, with no signs of damage.
10. All irrigation systems have been tested and are functioning as designed.

POINT OF CONNECTION #2 - 2"
PLANTING SCHEDULE

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>BOTANICAL NAME</th>
<th>COMMON NAME</th>
<th>QTY</th>
<th>SPACING</th>
</tr>
</thead>
<tbody>
<tr>
<td>( )</td>
<td>Black Locust</td>
<td>Robinia pseudoacacia</td>
<td>10</td>
<td>10' x 10'</td>
</tr>
<tr>
<td>( )</td>
<td>Common Lilac</td>
<td>Syringa vulgaris</td>
<td>10</td>
<td>10' x 10'</td>
</tr>
<tr>
<td>( )</td>
<td>Japanese Maple</td>
<td>Acer palmatum</td>
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<td>10' x 10'</td>
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<tr>
<td>( )</td>
<td>Honey Locust</td>
<td>Gleditsia triacanthos</td>
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SHRUBS

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<tr>
<td>( )</td>
<td>Viburnum</td>
<td>Viburnum</td>
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<td>10' x 10'</td>
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<tr>
<td>( )</td>
<td>Forsythia</td>
<td>Forsythia</td>
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FOLIAGE

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<tr>
<td>( )</td>
<td>Boxwood</td>
<td>Buxus</td>
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TREES

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<tr>
<td>( )</td>
<td>Ponderosa Pine</td>
<td>Pinus ponderosa</td>
<td>10</td>
<td>10' x 10'</td>
</tr>
<tr>
<td>( )</td>
<td>White Spruce</td>
<td>Picea glauca</td>
<td>10</td>
<td>10' x 10'</td>
</tr>
</tbody>
</table>

PLANTING PLAN ENLARGEMENTS

DENVER PUBLIC SCHOOLS
DEPARTMENT OF FACILITY MANAGEMENT
SCHOOL DISTRICT NO. 20
9050 EAST 35TH AVENUE, DENVER