CONSTRUCTION PLANS FOR
WEST SIDE SURFACE PARKING
PREPARED FOR THE CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA
SEC 3, T-4-S, R-1-W - MADISON COUNTY

PROJECT NOTES
1. PROJECT OWNER INFORMATION
   CITY OF HUNTSVILLE
   308 FOUNTAIN CIRCLE SW
   HUNTSVILLE, AL 35801

2. DEVELOPER INFORMATION
   CITY OF HUNTSVILLE
   308 FOUNTAIN CIRCLE
   HUNTSVILLE, AL 35801

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SITE

VICINITY MAP
GENERAL NOTES:
1. The Contractor is responsible for providing all materials, equipment, and labor necessary for the execution of all:
2. The Contractor shall not be responsible for any additional labor, materials, or equipment required to complete the work:
3. All materials, labor, and equipment shall be furnished by the Contractor and otherwise in accordance with the Specifications:
4. All materials used shall be of the best quality, and shall be free from defects.
5. The Contractor shall be responsible for the proper care and maintenance of all equipment and materials used on the job:
6. All equipment and materials shall be stored in accordance with the Specifications:
7. All equipment and materials shall be removed from the site upon completion of the work:
8. The Contractor shall be responsible for the proper disposal of all debris.
9. The Contractor shall be responsible for the proper protection of all existing structures and utilities.
10. The Contractor shall be responsible for the proper protection of all existing trees and vegetation.

ENHANCED CONCRETE NOTES:
1. All concrete shall be mixed in accordance with the Specifications:
2. All concrete shall be placed in accordance with the Specifications:
3. All concrete shall be cured in accordance with the Specifications:
4. All concrete shall be tested in accordance with the Specifications:
5. All concrete shall be protected from the elements in accordance with the Specifications:
6. All concrete shall be inspected in accordance with the Specifications:
7. All concrete shall be removed from the site upon completion of the work:

SEEDING NOTES:
1. The Contractor is required to furnish all materials, equipment, and labor necessary for the seeding of all:
2. All materials, labor, and equipment shall be furnished by the Contractor:
3. All materials used shall be of the best quality, and shall be free from defects:
4. All equipment and materials shall be stored in accordance with the Specifications:
5. All equipment and materials shall be removed from the site upon completion of the work:
6. All equipment and materials shall be protected from the elements:
7. All equipment and materials shall be inspected in accordance with the Specifications:
8. All equipment and materials shall be removed from the site upon completion of the work:

Earthwork General Notes:
1. All earthwork operations shall be performed in accordance with the Specifications:
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9. All earthwork operations shall be performed in accordance with the Specifications:
10. All earthwork operations shall be performed in accordance with the Specifications:

BROACH & SEDIMENT CONTROL CONSTRUCTION SEQUENCE:
1. The Contractor shall be responsible for:
2. The Contractor shall be responsible for:
3. The Contractor shall be responsible for:
4. The Contractor shall be responsible for:
5. The Contractor shall be responsible for:
6. The Contractor shall be responsible for:
7. The Contractor shall be responsible for:
8. The Contractor shall be responsible for:
9. The Contractor shall be responsible for:
10. The Contractor shall be responsible for:
NOTE: SURVEY PROVIDED BY OTHERS.

1. All ditches, swales, and disturbed areas inside rights-of-way and drainage easements are to be fully sodded.

2. All detention ponds shall receive full sod from top of slope to top of slope prior to issuance of certificate of occupancy.

3. All disturbed areas shall have a full stand of grass prior to issuance of certificate of occupancy.

NOTE: All spot elevations are to back of curb unless otherwise noted.

NOTE: All utility locations have been provided by the respective utility departments or companies. Contractors are responsible for any damage to utilities, call utility company or city departments for ground locations before digging.
1. Cross slope on sidewalks shall not exceed 1.75%.

2. Concrete pavement shall be crushed stone mix No. 410, with a minimum of 3'-0" (900 mm) depth. The finished pavement shall have a minimum thickness of 6" (150 mm) for ramps, 6" (150 mm) for side edges, and 4" (100 mm) for center of slabs.

3. All subgrades shall be cleared and grubbed, scarified to a depth of 6", and then recompacted to 100% of the maximum dry density.

4. Running slope shall not exceed 4.75% for accessible ramps.

5. Crests and valleys shall be formed using plastic or hardboard prefabricated joint filler.

6. Bituminous expansion joints shall be 3/4" (19 mm) thick cork or 3/4" (19 mm) thick bituminous expansion joint filler with a non-sag urethane joint sealant.

7. Reinforcing steel shall be used for all sections, with a minimum of 1/4" (6 mm) diameter and 6% placement in the concrete pavement.

8. Concrete shall be placed in 2" (50 mm) lifts, with the maximum slump of 4" (100 mm). The finished pavement shall be compacted to 100% proctor density.

9. Coarse aggregate base shall be a 6" (150 mm) layer of dense-graded limestones. The finished pavement shall be compacted to 95% proctor density as determined by AASHTO T-99 compaction test.

10. Concrete landings shall be 18" (450 mm) wide and 6" (150 mm) deep, with a minimum thickness of 1/2" (13 mm). The finished landings shall have a minimum thickness of 6" (150 mm) for ramps, 6" (150 mm) for side edges, and 4" (100 mm) for center of slabs.

11. Expansion joints shall be required at all contraction joints within 12 hours of construction, or by sawcutting in the sidewalk and curb at the time of construction, or by sawcutting in the sidewalk and curb at the time of construction, or by sawcutting in the sidewalk and curb at the time of construction.
NOT TO SCALE

STORM SEWER PIPE BEDDING

NOTES:
1. ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS (CLASS 1/1)
2. ALL REINFORCING WILL BE GRADE 60 DEFORMED BARS AND SHALL CONFORM TO THE BILLET STEEL CONCRETE REINFORCEMENT SPECIFICATIONS FOR BILLET STEEL (ASTM A-15), WITH DEFORMATIONS CONFORMING TO ASTM A-305.
3. STEPS ARE REQUIRED ON ALL INLET BOXES (TYP)

JUNCTION BOX / AREA INLET (15"-24" PIPES)

PREPARED FOR CITY OF HUNTSVILLE
SECTION 3, TOWNSHIP 4 SOUTH, RANGE 1 WEST

CONSTRUCTION DETAILS

"A"

SECTION 'A-A'

PLAN - JUNCTION BOX

NOTE:
USE "EAST JORDAN IRON WORKS"

CITY OF HUNTSVILLE CURB INLET

Sheet: 1
Missing or invalid reference

APPROVED EQUAL NEENAH SERIES R-3067-B OR
DOUBLE CURB INLET

PRESSURE TREATED (TYP)

KEYS TO STORMWATER INJECTION:

FLOW AROUND OPENING

NOTE:
LAYERS OF PIPE TO ALLOW FOR SETTLEMENT
MOUND BACKFILL WITH HAND HELD MECHANICAL TAMPERS

DENSE GRADED BASE

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3. STEPS ARE REQUIRED ON ALL INLET BOXES (TYP)
1. Set posts and excavate a 6" x 6" trench.
2. Staple wire fencing to posts.
3. Attach the filter fabric to the wire fence.

**Filter Fabric**
- Should be installed 18" deep at minimum.
- Should extend to the trench.

**Straw Wattle**
- installation details
- SLOPE GRADIENT & WATTLE SPACING

<table>
<thead>
<tr>
<th>SLOPE GRADIENT</th>
<th>WATTLE SPACING (FT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:1 - 2:1 (25 - 50%)</td>
<td>20'-0&quot;</td>
</tr>
<tr>
<td>6:1 - 4:1 (16.6 - 25%)</td>
<td>25'-0&quot;</td>
</tr>
<tr>
<td>&lt; 6:1 (16.6%)</td>
<td>50'-0&quot;</td>
</tr>
</tbody>
</table>

**Silt Fences**
- Should be placed against a "RIGID" object.
- CONTRACTION JOINTS REQUIRED AT 10' O.C.
- EXPANSION JOINTS (1/2" WIDE) SHALL BE SPACED AT NO MORE THAN 50' APART, AND AT ALL LOCATIONS WHERE CURB OR SIDEWALK TERMINATES AGAINST A RIGID OBJECT.
- CONTRACTION JOINTS REQUIRED AT 1/8" WIDE X 1/3 DEPTH SHALL BE SPACED AT NO MORE THAN 50' APART, AND AT ALL LOCATIONS WHERE CONCRETE CURB & GUTTER TERMINATES AGAINST A RIGID OBJECT.

**NOTE:**
1. Expansion joints are required at all points of transition from one pavement type to another.
2. Construction joints shall be placed at least 50' apart.
3. Expansion joints shall be 1/2" wide, with a minimum 1/3 depth.
4. Vertical joints shall be at least 2" wide and 1/3 depth.

**Temporarily Construction Entrance**
- PREFAB CURB & GUTTER
- SEE DETAIL FOR JOINT REQUIREMENTS
- EXPANSION JOINTS & SEALING COMPOUND

**Temporary Construction Entrance**
- PREFAB CURB & GUTTER
- SEE DETAIL FOR JOINT REQUIREMENTS
- EXPANSION JOINTS & SEALING COMPOUND

**NOT TO SCALE**
- Back of Curb & Gutter
- Curved Back of Curb & Gutter
- Mountable Curb
- Temporary Construction Entrance
- Details for Placing Silt Fences
### LUMINAIRE SCHEDULE

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Label</th>
<th>Qty</th>
<th>File</th>
<th>Mounting Height</th>
<th>LLF Watts</th>
<th>Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>VLL-PLED-5W-80LED-700mA-NW.IES 30'-0'</td>
<td>4</td>
<td>0.96</td>
<td>372.2</td>
<td>VLL-LED-PLED-80LED-VSQ-W-700mA-NW</td>
<td>EIGHTY WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP POSITION.</td>
</tr>
<tr>
<td>B</td>
<td>VLL-PLED-3W-80LED-700mA-NW-HS.ies 30'-0'</td>
<td>2</td>
<td>0.96</td>
<td>186</td>
<td>VLL-LED-PLED-80LED-III-W-700mA-NW-HS-PLED</td>
<td>EIGHTY WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP POSITION.</td>
</tr>
</tbody>
</table>

### STATISTICS

- **Property Line - West Lot**
  - Avg: 0.4 fc
  - Max: 0.8 fc
  - Min: 0.1 fc
  - Max/Min: 8.0:1
  - Avg/Min: 4.0:1

- **PVA Area - West Lot**
  - Avg: 1.4 fc
  - Max: 3.8 fc
  - Min: 0.5 fc
  - Max/Min: 7.6:1
  - Avg/Min: 2.8:1

### SITE PHOTOMETRIC NOTES

- The photometric data provided is for informational purposes only. Please confirm with the original source for accuracy.
- The lighting levels are in foot candles (fc).
- The photometric data is based on a specific luminaire configuration.
- The photometric values are subject to environmental and operational factors.
PROJECT NO.: 17-266
DRAWN BY: WMULLINS
FIELD DATE: 08.07.17
OFFICE DATE: AWHARTON 03.01.18

WEST SIDE SURFACE PARKING
PREPARED FOR CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA - MADISON COUNTY
SECTION 3, TOWNSHIP 4 SOUTH, RANGE 1 WEST

CONSTRUCTION PLANS
03.01.18

PLANT SCHEDULE

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Variety</th>
<th>Size</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>TD</td>
<td>Evergreen Tree Planting</td>
<td>Thuja occidentalis x aligna</td>
<td>3&quot; Dia.</td>
<td>T-10</td>
</tr>
<tr>
<td>GC</td>
<td>Ground Cover Planting</td>
<td>Carex scleroneura</td>
<td>2&quot; O.C.</td>
<td>T-10</td>
</tr>
<tr>
<td>SH</td>
<td>Shrub Planting</td>
<td>Shrub spp.</td>
<td>3&quot; O.C.</td>
<td>T-10</td>
</tr>
</tbody>
</table>

NOTE: ALL UTILITY LOCATIONS HAVE BEEN PROVIDED BY THE RESPECTIVE UTILITY DEPARTMENTS OR COMPANIES. CONTRACTORS ARE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES, CALL UTILITY COMPANY OR CITY DEPARTMENTS FOR GROUND LOCATIONS BEFORE DIGGING.