**UNIFORM STANDARD DRAWINGS**  
**CLARK COUNTY AREA, NEVADA**

**YEAR 2014 REVISIONS**

<table>
<thead>
<tr>
<th>DRAWING</th>
<th>TITLE AND REVISIONS SUMMARY</th>
<th>EFFECTIVE DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>202</td>
<td>&quot;Arterial Urban Area Street Sections&quot; – Drawing revised to specify the final asphalt concrete pavement surface material used by each entity.</td>
<td>7/1/2014</td>
</tr>
<tr>
<td>203</td>
<td>&quot;Arterial Alternate Urban Area Street Sections with Offset Sidewalk&quot; - Drawing revised to specify the final asphalt concrete pavement surface material used by each entity.</td>
<td>7/1/2014</td>
</tr>
<tr>
<td>205</td>
<td>&quot;Collector Urban Area Street Sections with Curbside Sidewalk&quot; - Drawing revised to specify the final asphalt concrete pavement surface material used by each entity.</td>
<td>7/1/2014</td>
</tr>
<tr>
<td>205.1.S1</td>
<td>&quot;Collector Alternate Urban Area Street Sections with Offset Sidewalk&quot; – Drawing revised to specify the final asphalt concrete pavement surface material used by each entity.</td>
<td>7/1/2014</td>
</tr>
<tr>
<td>300.S3</td>
<td>&quot;Streetlight location L.E.D. Lighting Standards and General Notes&quot; – New supplemental drawing for L.E.D. lighting along public streets.</td>
<td>7/1/2014</td>
</tr>
<tr>
<td>405.2</td>
<td>&quot;Type II-SD Manhole&quot; – New drawing for multiple reinforced concrete box and pipe configurations.</td>
<td>7/1/2014</td>
</tr>
<tr>
<td>422</td>
<td>&quot;Type ‘CM’ Drop Inlet&quot; – New drawing to accommodate a drop inlet that aligns with the back of curb.</td>
<td>1/1/2014</td>
</tr>
<tr>
<td>425.S1</td>
<td>&quot;Through-Lot Drain&quot; – New drawing for surface drainage conveyance facilities.</td>
<td>7/1/2014</td>
</tr>
<tr>
<td>507.S1</td>
<td>&quot;Method for Geotechnical Boring and Monitoring Well Backfill and Patch for Borings 12-Inches or Less in Diameter&quot; – New supplemental drawings for pavement patching of geotechnical and monitor well borings in paved areas.</td>
<td>7/1/2014</td>
</tr>
<tr>
<td>761</td>
<td>&quot;’P30’ Pullbox” – Drawing revised to allow for tapered sidewalls.</td>
<td>7/1/2014</td>
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<tr>
<td>808</td>
<td>&quot;Loading Information&quot; – Drawing revised to accommodate flashing yellow arrow traffic signal indications.</td>
<td>7/1/2014</td>
</tr>
<tr>
<td>810</td>
<td>&quot;Loading Information&quot; – Drawing revised to accommodate flashing yellow arrow traffic signal indications.</td>
<td>7/1/2014</td>
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<tr>
<td>840</td>
<td>&quot;Louved Backplate for Mast Arm Mounted Signal” – Drawing revised to accommodate flashing yellow arrow traffic signal indications.</td>
<td>7/1/2014</td>
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<tr>
<td>841</td>
<td>&quot;Louved Backplate for Pole Mounted Signal” – Drawing revised to accommodate flashing yellow arrow traffic signal indications.</td>
<td>7/1/2014</td>
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<tr>
<td>843</td>
<td>&quot;Signal Assemblies Post Top Mount” – New drawing to accommodate flashing yellow arrow traffic signal indications.</td>
<td>7/1/2014</td>
</tr>
<tr>
<td>844</td>
<td>&quot;Signal Assemblies Bracket Mount” – New drawing to accommodate flashing yellow arrow traffic signal indications.</td>
<td>7/1/2014</td>
</tr>
<tr>
<td>857</td>
<td>&quot;Protected Permissive Mast Arm Signal Assembly Type M-4” – New drawing to accommodate flashing yellow arrow traffic signal indications.</td>
<td>7/1/2014</td>
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<tr>
<td>888.1</td>
<td>&quot;Future Pole Location – Case II&quot; – Drawing revised to accommodate flashing yellow arrow traffic signal indications.</td>
<td>7/1/2014</td>
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</table>
**NOTES:**

1. **FINAL A.C. PAVEMENT SURFACE SHALL BE 1/2" MAXIMUM ABOVE LIP OF GUTTER. PAVEMENT SHALL BE FLUSH WITH LIP AT SIDEWALK RAMPS.**

2. **STRUCTURAL SECTION SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 401 AND STANDARD DRAWING 200.**

3. **A 3/4" OPEN GRADE IS REQUIRED ON CLARK COUNTY ROADWAYS AND MAY BE REQUIRED IN OTHER JURISDICTIONS AS DETERMINED BY THE ENTITY’S ENGINEER. THE FINAL A.C. PAVEMENT SURFACE MATERIAL REQUIREMENTS ARE:**

<table>
<thead>
<tr>
<th>JURISDICTION</th>
<th>A.C. PAVEMENT SURFACE MATERIAL</th>
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</thead>
<tbody>
<tr>
<td>CLV</td>
<td>1-INCH UTACS</td>
</tr>
<tr>
<td>CV, HEN, MES, BC</td>
<td>FOG SEAL</td>
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<tr>
<td>NLV, HEN</td>
<td>FOG SEAL AND/OR OPENGRADE</td>
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</tbody>
</table>

4. **IF OPEN GRADE IS REQUIRED DENSE GRADE SHALL BE FLUSH WITH LIP OF GUTTER AND FINAL A.C. PAVEMENT SURFACE SHALL BE 3/4" MAXIMUM ABOVE LIP OF GUTTER. FINAL A.C. PAVEMENT SURFACE SHALL BE FLUSH WITH LIP AT SIDEWALK RAMPS.**

5. **FOG SEAL AND PRIME COAT IS NOT REQUIRED IN THE CITIES OF LAS VEGAS, AND NORTH LAS VEGAS HENDERSON, MESQUITE, AND BOULDER CITY WHEN A.C. THICKNESS IS >=5 IN.**

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**SPECIFICATION REFERENCE**

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<td>L</td>
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<td>M</td>
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**UNIFORM STANDARD DRAWINGS**

**CLARK COUNTY AREA**

**ARTERIAL URBAN AREA STREET SECTIONS**

**WITH CURBSIDE SIDEWALK**

**DATE** 11-10-04  **DWG. NO.** 202
ARTERIAL WITH MEDIAN ISLAND

NOTES:

1. FINAL A.C. PAVEMENT SURFACE (INCLUDING OPEN GRADE) SHALL BE 3/4" MAXIMUM ABOVE LIP OF GUTTER. PAVEMENT SHALL BE FLUSH WITH LIP AT SIDEWALK RAMPS.

2. DENSE GRADE SHALL BE FLUSH WITH LIP OF GUTTER.

3. STRUCTURAL SECTION SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 401 AND STANDARD DRAWING NO. 200.

4. THE FINAL A.C. PAVEMENT SURFACE MATERIAL REQUIREMENTS ARE:

   JURISDICTION | A.C. PAVEMENT SURFACE MATERIAL
   --------------|-----------------------------
   CLV | 1-INCH UTACS
   CC, HEN, MES, BC | FOG SEAL
   NLV, HEN | FOG SEAL AND/OR OPEN GRADE

5. UNDERGROUND DRY UTILITIES SHOULD BE PLACED IN A UTILITY CORRIDOR UNDER THE SIDEWALK.

6. INCREASE PAVEMENT WIDTH BY 11 FEET ON EACH SIDE OF ROADWAY FOR AN 8 LANE CROSS SECTION.

7. PRIME COAT IS NOT REQUIRED IN LAS VEGAS, HENDERSON, MESQUITE, AND BOULDER CITY WHEN A.C. THICKNESS IS >= 5 IN.

AGENCY APPROVED

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

ARTERIAL
ALTERNATE URBAN AREA STREET SECTIONS
WITH OFFSET SIDEWALK

SPECIFICATION REFERENCE

| 302 | AGGREGATE BASE |
| 401 | BITUMINOUS PAVEMENT |
| 403 | OPEN GRADE |
| 413 | BITUMINOUS GAP GRADED PAVEMENT |
| 501 | CONCRETE |

DATE 11-10-04  DWG. NO. 203

Effective 7/1/14
NOTES:
1. A.C. PAVEMENT TO BE 1/2" MAXIMUM ABOVE LIP OF GUTTER AFTER COMPACTION. PAVEMENT SHALL BE FLUSH WITH LIP AT SIDEWALK RAMPS.
2. THE GRADE BREAK OCCURRING IN THE CROSS SECTION SHALL FALL BETWEEN DRIVING LANES.
3. STRUCTURAL SECTION SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 401 AND STANDARD DRAWING NOS. 200 AND 200.1.
4. PRIME COAT IS NOT REQUIRED IN LAS VEGAS, HENDERSON, MESQUITE OR BOULDER CITY WHEN A.C. THICKNESS >= 5 IN.
5. 4 INCH MINIMUM THICKNESS REQUIRED IN HENDERSON, MESQUITE AND BOULDER CITY.
6. A 3/4" OPEN GRADE IS REQUIRED ON CLARK COUNTY ROADWAYS AND MAY BE REQUIRED IN OTHER JURISDICTIONS AS DETERMINED BY THE ENTITY'S ENGINEER. THE FINAL A.C. PAVEMENT SURFACE MATERIAL REQUIREMENTS ARE:

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<tr>
<td>CLV</td>
<td>1-INCH UTACS (80-FT OR GREATER)</td>
</tr>
<tr>
<td>CC, HEN, MES, BC</td>
<td>FOG SEAL</td>
</tr>
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<td>NLV, HEN</td>
<td>FOG SEAL AND/OR OPEN GRADE</td>
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AGENCY APPROVED: B C H L M N

SPECIFICATION REFERENCE

| 302 | AGGREGATE BASE |
| 401 | BITUMINOUS PAVEMENT |
| 406 | PRIME COAT |
| 407 | FOG SEAL |
| 413 | BITUMINOUS GAP GRADED PAVEMENT |
| 501 | CONCRETE |

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

COLLECTOR
URBAN AREA STREET SECTIONS WITH CURBSIDE SIDEWALK

DATE 11-10-04 DWG. NO. 205

Effective 7/1/14
NOTES:

1. A.C. PAVEMENT TO BE 1/2" MAXIMUM ABOVE LIP OF GUTTER AFTER COMPACTION. PAVEMENT SHALL BE FLUSH WITH LIP AT SIDEWALK RAMPS.

2. THE GRADE BREAK OCCURRING IN THE CROSS SECTION SHALL FALL BETWEEN DRIVING LINES.

3. STRUCTURAL SECTION SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 401 AND STANDARD DRAWING NOS. 200 AND 200.1.

4. THIS STANDARD IS AN ALTERNATE STREET SECTION TO BE USED AT LOCATIONS DETERMINED BY EACH LOCAL JURISDICTION. NO ABOVE GROUND OBJECTS SHALL BE PLACED WITHIN THE 5 FOOT SIDEWALK.

5. UNDERGROUND DRY UTILITIES SHOULD BE PLACED IN A UTILITY CORRIDOR UNDER THE SIDEWALK.

6. A 3/4" OPEN GRADE IS REQUIRED ON CLARK COUNTY ROADWAYS AND MAY BE REQUIRED IN OTHER JURISDICTIONS AS DETERMINED BY THE ENTITY'S ENGINEER. THE FINAL A.C. PAVEMENT SURFACE MATERIAL REQUIREMENTS ARE:

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<th>A.C. PAVEMENT SURFACE MATERIAL</th>
<th>1-INCH UTACS</th>
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<td>CLV</td>
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<tr>
<td>CC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NLV, HEN</td>
<td></td>
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</tbody>
</table>

7. PRIME COAT IS NOT REQUIRED IN LAS VEGAS, HENDERSON, MESQUITE, OR BOULDER CITY WHEN A.C. THICKNESS >=5 IN.
1. Install streetlight standards at intersections including "L" and "T" types, per standard drawings 301 through 310 in accordance with the appropriate right-of-way.

2. Street classification, the respective lighting levels, and streetlight standard application is listed in Table 1 below. Actual luminaire wattage and/or streetlight standard spacing may be varied by the engineer, when supported by an approved lighting study in accordance with the IES recommended practice for roadway lighting in order to meet current and future traffic control needs and approved by the respective agency. For LED fixtures, average levels are maintained levels at a 0.92 maintenance factor in footcandles measured horizontally at ground level.

3. New streetlight standards installed adjacent to or opposite from existing streetlights shall match the existing location, spacing, pole and luminaire types unless otherwise directed by the engineer.

4. Streetlight standards installed on 60' or less right-of-ways may be installed on either side of roadway as directed by the engineer.

5. Traffic signal foundations and adaptor plates may be required at intersections as directed by the engineer.

6. At least one streetlight shall be required in the bulb section of a cul-de-sac or hammerhead. Location shall be as required by the engineer.

7. For a specific fixture to be approved, an independent evaluation with the AGi32 lighting modeling software program (or other software approved by the agency) shall be submitted for review by the agency. The IES photometric file shall be loaded into the model and all requisite inputs shall conform to the location, height, and other associated factors designated in drawings 301 through 310 in accordance with the appropriate right-of-way.

### Table 1

#### Required Illuminance Values for Roadways

<table>
<thead>
<tr>
<th>Roadway Class</th>
<th>R.O.W. Widths</th>
<th>Roadway Lighting Illuminance Levels</th>
<th>Sidewalk / Walkway Illuminance Lighting Levels</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Min. Avg. Uniformity Avg./Min.</td>
<td>Min. Illuminance</td>
</tr>
<tr>
<td>Arterial</td>
<td>100' or Greater</td>
<td>1.58 FC 3:1</td>
<td>0.2 FC 4:1</td>
</tr>
<tr>
<td>Major Collector</td>
<td>80' to 99'</td>
<td>0.84 FC 4:1</td>
<td>0.2 FC 4:1</td>
</tr>
<tr>
<td>Minor Collector</td>
<td>60' to 79'</td>
<td>0.38 FC 6:1</td>
<td>0.08 FC 6:1</td>
</tr>
<tr>
<td>Residential</td>
<td>51' or Less</td>
<td>0.38 FC 6:1</td>
<td>0.08 FC 6:1</td>
</tr>
</tbody>
</table>

### Specification Reference

<table>
<thead>
<tr>
<th>Uniform Standard Drawings</th>
<th>Clark County Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>623 TRAFFIC SIGNALS &amp; STREETLIGHTING</td>
<td>SUPPLEMENTAL DRAWING</td>
</tr>
</tbody>
</table>

### Streetlight Location
L.E.D. Lighting Standards and General Notes

**Date 07-01-14**  **DWG. NO. 300.S3**  **Sheet 1 of 2**
8. For each fixture assessed, upon demonstration of the adequate illumination capability through the computer model on the specific roadway type, the vendor shall deliver the requested number of luminaires of that type for further agency evaluation. They will be evaluated on the criteria noted in the following section, though the agency may include additional requirements. Final approval and acceptance of the respective luminaires for a specific application shall be at the sole discretion of the purchasing agency.

9. The following list represents the criteria upon which each luminaire shall be evaluated. The agency may include additional items for evaluation at its sole discretion.

- Color Rendering Index
- Energy Efficiency
- Aesthetics
- Quality of Construction
- Weatherproofing
- IP65 Rating
- Durability
- Ease of Maintenance
- Ease of Installation
- Weight
- Power Consumption
- Color Temperature (CCT)
- Life of fixture and individual components
- Length of warranty luminaire fixture, LED's, and ballast
- Initial Cost
- Life cycle cost
- LM 79, LM 80
- Bug Rating (backlighting, uplighting, glare)
- Transient Voltage Surge Suppression - SPD (surge protection device)

### Table 2

**Required Illuminance Values for Signalized Intersections**

<table>
<thead>
<tr>
<th>Roadway Class</th>
<th>R.O.W. Widths</th>
<th>Min. Ave. Illuminance by Pedestrian Area Classification</th>
<th>Sidewalk / Walkway Lighting Levels</th>
<th>Uniformity Avg./Min.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arterial / Arterial</td>
<td>100' or greater by 100' or greater by</td>
<td>3.4 FC 2.6 FC 1.8 FC</td>
<td>2.0 FC 1.0 FC</td>
<td>4:1</td>
</tr>
<tr>
<td>Arterial / Major Collector</td>
<td>100' or greater by 80' or greater by</td>
<td>2.9 FC 2.2 FC 1.5 FC</td>
<td>2.0 FC 1.0 FC</td>
<td>4:1</td>
</tr>
<tr>
<td>Arterial / Minor Collector - Residential</td>
<td>100' or greater by 79' or less</td>
<td>2.6 FC 2.0 FC 1.3 FC</td>
<td>2.0 FC 1.0 FC</td>
<td>4:1</td>
</tr>
<tr>
<td>Major Collector / Major Collector</td>
<td>80' - 99' by 80' - 99'</td>
<td>2.4 FC 1.8 FC 1.2 FC</td>
<td>2.0 FC 1.0 FC</td>
<td>4:1</td>
</tr>
<tr>
<td>Major Collector / Residential</td>
<td>80' - 99' by 79' or less</td>
<td>2.1 FC 1.6 FC 1.0 FC</td>
<td>2.0 FC 1.0 FC</td>
<td>4:1</td>
</tr>
</tbody>
</table>

**Agency Approved**

B C H L M N

**Specification Reference**

| 623 TRAFFIC SIGNALS & STREETLIGHTING |

**Uniform Standard Drawings**

Clark County Area

**Supplemental Drawing**

Streetlight Location

L.E.D. Lighting Standards

And General Notes

| Date 07-01-14 | DWG. No. 300.S3 |

New Drawing
TYPE II-SD MANHOLE - RCB

NOTES:
1. ALL BARS SHALL BE DEFORMED BARS CONFORMING TO ASTM A706 GRADE 60.

2. CONCRETE SHALL BE MADE WITH TYPE V CEMENT IN ACCORDANCE WITH ASTM C-150. MINIMUM COMPRESSIVE 28 DAY STRENGTH = 4000 psi, MAX. SLUMP = 4".

3. CLEARANCE TO REINFORCING BARS TO BE 2 1/2" UNLESS NOTED OTHERWISE.

4. FOR PRECAST RCB, THE REINFORCING SHALL BE IN ACCORDANCE WITH MANUFACTURER DESIGN, AS APPROVED BY THE ENGINEER.
**PLAN - NO SIDE DRAIN**
POSITION MANHOLE ON EITHER SIDE

**PLAN - SINGLE SIDE DRAIN**
POSITION MANHOLE ON OPPOSITE SIDE FROM THE SIDE DRAIN

**TYPE II-SD MANHOLE - PIPE**

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**Unifor Standard Drawings**

**CLARK COUNTY AREA**

**TYPE II-SD MANHOLE**

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**Notes:**

1. All bars shall be deformed bars conforming to ASTM-A706 Grade 60.
2. Concrete shall be made with Type V cement in accordance with ASTM C-150, minimum compressive 28 day strength = 4000 psi, Max. slump = 4".
3. Clearance to reinforcing bars to be 2 1/2" unless noted otherwise.
4. This design is for pipe sizes 36-inch to 72-inch. Larger pipe sizes requires special design.
**SPECIFICATION REFERENCE**

**UNIFORM STANDARD DRAWINGS**

**CLARK COUNTY AREA**

**TYPE II-SD MANHOLE**

<table>
<thead>
<tr>
<th>AGENCY APPROVED</th>
<th>B</th>
<th>C</th>
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**DATE**

**DWG. NO.**

405.2

**SHEET**

3 OF 3

NEW DRAWING
SPECIFICATION REFERENCE
UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

SECTION "A"

NOTES:
1. ALL EXPOSED METALS SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
2. PROVIDE 1/2" (MIN.) CLEARANCE ALL AROUND THE STEEL BEAM, DRY PACK AFTER INSTALLATION.
3. WHEN REQUIRED BY LENGTH OF OPENING, PLATE ANGLE MAY BE DELIVERED IN SECTIONS AND BUTT WELDED IN PLACE.
4. ALL GALVANIZED DAMAGED BY WELDING SHALL RECEIVE TWO COATS OF GALVALLOY OR EQUAL.
5. CONCRETE SHALL BE MODIFIED CLASS DA 4000 PSI, SEE SPECIAL PROVISIONS SECTION 501.
6. ANGLE ANCHORS SHALL BE EMBEDDED MIDPOINT IN EACH ENDWALL AND EVENLY SPACED. (MAXIMUM SPACING OF 2')
7. THE GAP BETWEEN THE GRATES MUST BE 1/2-INCH OR LESS.

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NOTE #1: 20' STANDARD WIDTH, DIFFERENT WIDTHS TO BE DESIGNED ACCORDINGLY AND IN CONFORMANCE WITH THE CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT HYDROLOGIC CRITERIA AND DRAINAGE DESIGN MANUAL.

GENERAL NOTE: GATE AND FENCE CONSTRUCTION IS INTENDED TO PREVENT STORAGE OF MATERIALS AND VEHICLES WITHIN CHANNEL. PREVENTION OF PEDESTRIAN USE MAY BE IMPALED, BUT THE DESIGN IS NOT INTENDED TO PREVENT PEDESTRIAN TRAFFIC.

BOLLARDS MAY BE USED IN LIEU OF GATE IF PEDESTRIAN ACCESS IS DESIRED.

NOTE #2: SPLIT GROUT 3 COURSES MINIMUM ABOVE CONCRETE SLAB.

NOTE #3: ELEVATION OF ADJACENT LOT SLAB ON GRADE AND GROUTING OF BLOCK WALL CELLS SHALL CONFORM TO REQUIREMENTS OF THE CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT HYDROLOGIC CRITERIA AND DRAINAGE DESIGN MANUAL.
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**PLAN VIEW**

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**SECTION A-A'**

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**ELEVATION VIEW**

---

**DETAIL 2** (HANDLE)

---

**NEW DRAWING**

---

**UNIFORM STANDARD DRAWINGS**

---

**CLARK COUNTY AREA**

---

**SUPPLEMENTAL DRAWING**

---

**THROUGH-LOT DRAIN**

---

**SPECIFICATION REFERENCE**

---

**DATE** 01/01/14  **DWG. NO.** 425.S1  **SHEET** 2 OF 3
NOT FOR USE IN EMERGENCY ACCESS

SPECIFICATION REFERENCE

AGENCY APPROVED

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

SUPPLEMENTAL DRAWING

THROUGH-LOT DRAIN

DATE 01/01/14  DWG. NO. 425.S1  SHEET 3 OF 3

NEW DRAWING
1. CALL AND SCHEDULE INSPECTION TO OBSERVE CONCRETE PLUG AFTER PLACEMENT.

2. PERMIT TYPICALLY VALID FOR 30 DAYS - EXTENSION OF PERMIT IS REQUIRED PRIOR TO EXPIRATION IF WORK IS NOT COMPLETE.

3. FOR BORINGS GREATER THAN 12-INCHES IN DIAMETER, SUBMIT PERMANENT PATCHING PLAN WITH PERMIT APPLICATION.

4. IF GROUNDWATER IS ENCOUNTERED FOLLOW APPROPRIATE AGENCY REQUIREMENTS.

5. THE CONNECTION OF THE PIPE AND FLAT PLATE SHALL BE CONTINUOUSLY WELDED ALL OF THE WAY AROUND. THE SIZE OF THE WIRE SHALL BE 0.35 WIRE (ER70S-6) OR 7018 ROD, AND THE WELDER SHALL HAVE A W.S. CERTIFICATION IN FLAT PLATE.
REINFORCED POLYMER CONCRETE COVER MARKED "FIBER OPTIC"

POLYMER COMPOSITE BODY

NOTES:
1. THIS PULL BOX SHALL NOT BE USED IN TRAVEL OR PARKING LANES
2. TAPERED SIDE WALLS ARE ALLOWED.

AGENCY APPROVED

SPECIFICATION REFERENCE

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

"P30" PULLBOX
(FOR USE IN INTERCONNECT AND COMMUNICATIONS INSTALLATIONS)

DATE 3-13-03  DWG. NO.  761
LOADING INFORMATION

<table>
<thead>
<tr>
<th>DEVICE</th>
<th>DESCRIPTION</th>
<th>AREA (FT²)</th>
<th>WEIGHT (LBS)</th>
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<tbody>
<tr>
<td>SIGNAL</td>
<td>3&quot; x 3&quot; W/ BACKPLATES</td>
<td>9.80</td>
<td>40</td>
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<tr>
<td>SIGN</td>
<td>RG 4 x 4&quot; X 20&quot;</td>
<td>6.00</td>
<td>10</td>
</tr>
<tr>
<td>SIGNAL</td>
<td>RG 4 x 4&quot; X 20&quot;</td>
<td>6.00</td>
<td>10</td>
</tr>
<tr>
<td>SIGN</td>
<td>R10-5d (8) 360&quot; X 4536&quot;</td>
<td>13.20</td>
<td>60</td>
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<tr>
<td>SIGN</td>
<td>R10-12F 360&quot; X 4536&quot;</td>
<td>13.34</td>
<td>60</td>
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<tr>
<td>SIGNAL</td>
<td>STREET NAME-FREE SWINGING</td>
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<tr>
<td>SIGNAL</td>
<td>DUAL-12&quot;-3 SEC. W/ BACKPLATES</td>
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<tr>
<td>SIGNAL</td>
<td>DUAL-PEDESTRIAN</td>
<td>8.00</td>
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</table>

NOTE:
TYPE XX-A POLE shall also support the alternate loading shown above.

AGENCY APPROVED

SPECIFICATION REFERENCE

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

LOADING INFORMATION

DATE 7-8-93  DWG. NO. 808  SHEET 5 OF 6
 нагрузочная информация

15' макс. 8' 9" 60 LB.

8' 9" 60 LB.

65'-85' пролетов

65'-85' пролетов

направление B

направление C

направление H

направление L

направление M

направление N

направление A

направление B

номинальная прочность 80000 psi для холодных материалов и 50000 psi для некаленых материалов.

Замечание: столб TYPE XX-B также поддерживает дополнительную нагрузку, указанную выше.

Оценка прочности:

- 12"-4 секунды с задней панелью (M-4)

- 24" x 30" знак B

- 24" x 24" знак C

- сигнал D

- знак E

- сигнал D

- знак F

- сигнал G

- сигнал H

- проектная площадь (кв. фут)

- вес (лб)

- Агентство утвердило

- нормативные чертежи

- район Кларка

- информация о нагрузке

- дата 11/10/05

- номер чертежа 810

- лист 3 из 3
SPECIFICATION REFERENCE

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

LOUVERED BACKPLATE FOR
MAST ARM MOUNTED SIGNAL

PAINT: FLAT BLACK
SHOWN 3-SECTION, 12" SIGNAL HEAD WITH
ELEVATOR PLUMBIZER
DIMENSIONS AND ATTACHMENT METHODS
VARY PER MANUFACTURE.
BORDER WIDTH: 5-INCH

3-SECTION ASSEMBLY

4-SECTION ASSEMBLY
PAINT: FLAT BLACK
SHOWN 3-SECTION, 12" SIGNAL HEAD WITH ELEVATOR PLUMBIZER
* DIMENSIONS AND ATTACHMENT METHODS VARY PER MANUFACTURE.
BORDER WIDTH: 5-INCH

<table>
<thead>
<tr>
<th>AGENCY APPROVED</th>
<th>B</th>
<th>C</th>
<th>H</th>
<th>L</th>
<th>M</th>
<th>N</th>
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<td>LOUVERED BACKPLATE FOR POLE MOUNTED SIGNAL</td>
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<table>
<thead>
<tr>
<th>DATE</th>
<th>DWG. NO.</th>
<th>841</th>
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</table>
1. All signals are 12" nominal (glass).
2. For itemized parts, see drawing no. 845.
3. For arrow lens see drawing no. 890.

NOTES:

AGENCY APPROVED
NOTES:
1. ALL SIGNALS ARE 12" NOMINAL (GLASS).
2. FOR ITEMIZED PARTS, SEE DRAWING NO. 845.
3. FOR ARROW LENS SEE DRAWING NO. 890.
1. All signals are 12" nominal (glass).

2. For itemized parts, see drawing no. 845.2.

3. For arrow lens see drawing no. 890.

NOTES:

1. All signals are 12" nominal (glass).
2. For itemized parts, see drawing no. 845.
3. For arrow lens see drawing no. 890.
1. All signals are 12" nominal (glass).
2. For itemized parts, see drawing no. 845.
3. For arrow lens, see drawing no. 890.

Notes:

Agency Approved: B C H L M N

Specifications Reference:

Uniform Standard Drawings
Clark County Area

Signal Assemblies
Bracket Mount

Date: 844
Sheet: 2 of 2

Effective 7/1/14
Provide louvered backplate similar to drawing 840.

Notes:
1. All signals are 12" nominal.
2. For itemized parts, see drawing 845.

Red arrow, Green arrow, Yellow arrow.

Standard 12" signal heads M-4.

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Agency approved C B H L M N

Effective 7/1/14

---

Yellow arrow, yield arrow on flashing.

---

Protected permissive mast arm signal assembly type M-4.

---

Uniform standard drawings

Clark county area

---

NEW DRAWING
NOTES:

1. FOUNDATIONS WILL BE 36" SQUARE OR ROUND AND 12 FT. DEEP. THE AREA SHALL REMAIN ACCESSIBLE FOR THESE FOUNDATIONS.

2. TRAFFIC SIGNAL POLES SHALL REMAIN AT THE MIDDLE OF THE RETURN BEHIND THE SIDEWALK SO THAT THE OUTSIDE SIGNAL HEAD IS DIRECTLY ABOVE THE LEFT TURN LANE.

3. A TYPE "H" OR "L" FOUNDATION IS REQUIRED FOR MAST ARMS 45' OR LESS. SEE DRAWING NO. 721.

4. A TYPE "L" FOUNDATION IS REQUIRED FOR MAST ARMS LONGER THAN 45'. SEE DRAWING NO. 722.

5. A MINIMUM OF 32" 48" SHALL BE MAINTAINED BETWEEN TRAFFIC SIGNAL POLE FOUNDATION "CRASH CAP" AND THE BACK OF THE CURB FOR WHEELCHAIR CLEARANCE.

6. THE TRAFFIC ENGINEER WILL MAKE THE FINAL DETERMINATION FOR THE LOCATION OF TRAFFIC SIGNAL POLES.