### SECTION 2500

**STANDARD DETAILS FOR TRAFFIC**

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<th>TITLE</th>
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<td>2566</td>
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<td>2566B</td>
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(Revised March 2020, Update No. 10) 2500-1
GENERAL NOTES:
1. ALL DIMENSIONS ARE FROM FLOW LINE TO FLOW LINE

CONSTRUCTION NOTES:
A. Varies, see plans
B. Reverse curve
C. For curb return radius, see Table 17 Chapter 7 DPM
D. Right of way line
E. Design transition
F. End transition
G. 18" or as specified on the plans
H. 16' - 18' or as specified on the plans
I. Install 4" diameter PVC, sleeve thru median paving;
10' back of nose centered in median for sign posts
by others

STANDARD TRANSITION FROM 48' TO 66'
(WITH CHANNELIZATION)

STANDARD TRANSITION FROM 66' TO 86'
(WITH CHANNELIZATION)
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<tr>
<th>CITY OF ALBUQUERQUE</th>
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**NOTES:**
- LARGER TRUCK TRAFFIC IS PROBABLE. MAJOR TRAFFIC MAY BE INCREASED AT TRAFFIC ENGINEERS DISCRETION WHEN A SIGNIFICANT PERCENTAGE OF TRAFFIC CONTROL DEVICES IS IN USE.
- ITS IS RECOMMENDED TO USE TRAFFIC AHEAD OF INTERSECTIONS AND TO PROVIDE PAVE TURN LANE AS NEEDED.
- FEET MUST MEET INTERSECT OTHER STREETS. THE TRANSITION MUST PROVIDE FOR A 25.1 FOOT TRANSITION.
- FADE INTERSECTIONS MUST PROVIDE WHERE LOCAL ROADWAY STREETS HAVE LESS THAN 32 FEET ACCESSED HANDICAPPED ACCESS RAMP TO THE PUBLIC RIGHT-OF-WAY.
- INTERSECTING PROPERTY LINES AT INTERSECTIONS MUST BE DESIGNED TO ALLOW CONSTRUCTION OF THE TRANSITION.

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**LOCAL RESIDENTIAL**

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**LOCAL COMMERCIAL**

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**LOCAL COLLECTOR**

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**MINOR OTHER**

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**STREET**

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**COMMUTER**

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**FROM/TO STANDARD CURB RETURN RADIUS (AT FLOW LINE) AND RIGHT OF WAY AT INTERSECTIONS**
GENERAL NOTES:
1. PARKING METER POLES TO BE SPACED AS SHOWN ON PLANS.
2. MATERIAL: BLACK STEEL PIPE WITH TWO COATS OF SILVER PAINT.

CONSTRUCTION NOTES:
A. 6" MIN. Dia. CORE DRILL IN EXISTING SLAB OR BLOCK OUT IN NEW CONSTRUCTION.
B. CONCRETE OR NON-SHRINK GROUT. FINISH TOP TO MATCH SIDEWALK.
C. REAM AND DE-BURR EXPOSED END OF PIPE AFTER CUTTING.
D. PLUMB POLE IN ALL DIRECTIONS, REGARDLESS OF SLOPE OF STREET.
E. METER HEAD FURNISHED AND INSTALLED BY CITY.
F. 4" P.C.C. SIDEWALK.

SECTION Y-Y
SECTION X-X

CITY OF ALBUQUERQUE
TRAFFIC POLE INSTALLATION FOR PARKING METER
DWG. 2528
GENERAL NOTES:
1. SQUARE TUBING MAY BE USED IN LIEU OF SCH. 40 PIPE.
2. GALVANIZE BICYCLE GATEWAY AFTER FABRICATION.
3. GRIND ALL WELDS SMOOTH.

CONSTRUCTION NOTES:
A. 3" DIA. SCH. 40 PIPE, TYPICAL.
B. 1½" DIA. SCH. 40 PIPE, TYPICAL.
C. ENCLOSET BOTTOM MEMBER IN CONCRETE.
D. PORTLAND CEMENT CONCRETE.
E. ¼ FLAT CAP, TYPICAL.
CONSTRUCTION NOTES:

A. EXISTING SIDEWALK, CURB & GUTTER (WIDTH VARIES).
B. EXISTING STREET.
C. SHALE; ADJUST EXISTING GRADE AS REQUIRED TO PROVIDE DRAINAGE AWAY FROM SHELTER.
D. FILL AND COMPACT TO DRAIN AWAY FROM SHELTER AS REQUIRED.
E. EXISTING GRADE (VARIES)
F. FINISHED GRADE (VARIES) (NOTE: EXISTING DRAINAGE PATTERNS SHALL BE MAINTAINED).
G. NEW CONCRETE SLAB.
H. 10% METAL END PANEL.

GENERAL NOTES:

1. SEE BUS BAY C.O.A. STD. DWG. 2466 - IF NEW BUS BAY IS REQUIRED.
2. VERIFY EXISTING SITE CONDITIONS AND CONTACT TRANSIT DEPT. BEFORE COMMENCING WORK.
3. THE CONTRACTOR SHALL, AT THE TIME OF EXCAVATION AND PRIOR TO ANY CONCRETE WORK, CALL FOR FIELD INSPECTION AND WRITTEN REPORT BY A REGISTERED GEOTECHNICAL ENGINEER TO DETERMINE THAT THE ON-SITE SOIL IS NON-EXPANSIVE AND CAPABLE OF 1500 PSI BEARING, AND SUITABLE FOR USE AS BACKFILL MATERIAL. THE OWNER SHALL PAY THE COST OF SUCH INSPECTION AND REPORT, AND SHALL PROVIDE THE CITY OF ALBUQUERQUE WITH A COPY OF THE REPORT. THE GRADES SHALL BE ADJUSTED WITH SUITABLE FILL AS REQUIRED TO ACCOMMODATE SPECIFIED SLAB SIZE.
4. MARK FABRICATED ITEMS TO BE INSTALLED IN FIELD. AFTER PAINTING FOR PROPER INSTALLATION.
5. VERIFY THAT FABRICATION ITEMS FIT PROPERLY BEFORE PAINTING.
6. EXACT LOCATION OF THE BUS SHELTER WILL BE DETERMINED BY THE TRANSIT DEPARTMENT. CONTACT THE TRANSIT BUS STOP COORDINATOR PRIOR TO COMMENCING WITH CONSTRUCTION.
7. PRIOR TO CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY, CONTRACTOR SHALL OBTAIN ALL PERMITS FROM THE PUBLIC WORKS DEPARTMENT.
8. STEEL PIPE SIZES ARE NOMINAL. THE OUTSIDE DIAMETERS ARE AS FOLLOWS:
   Ø 8" SCHEDULE 40 STANDARD PIPE, O.D. = 8.625"
   Ø 3" SCHEDULE 40 STANDARD PIPE, O.D. = 3.500"
   Ø 2" SCHEDULE 40 STANDARD PIPE, O.D. = 2.375"
   1-1/4" SCHEDULE 40 STANDARD PIPE, O.D. = 1.660"
9. ALL METAL ITEMS EXCEPT ANY FACTORY FINISHED ITEMS SHALL BE PRIMERED AND TWO COATS OF "SYN-LUSTRO" COLOR #012-64L, "BLUE Grotto" PRIMER AND TWO COATS OF "SYN-LUSTRO" COLOR #012-64L, "BLUE Grotto" PAINT SHALL BE RE-PAINTED AND RE-PRIMERED AFTER CONSTRUCTION IS COMPLETE. PAINT AND PRIMER TO BE APPLIED PER MANUFACTURER'S SPECIFICATIONS.
10. SHOP APPLY POWER COAT TO PAINT FINISH TO ALL SURFACES OF SHELTER, BENCH & TRASH RECEPTACLE, TOUCH UP ONLY IN FIELD.
11. SHELTER SHALL BE DESIGNED TO MEET ALL ASH TO WIND LOAD REQUIREMENTS.
12. CONCRETE PER SECTION 101, EXTERIOR CONCRETE. C'c = 3500 psi AT 28 DAYS.

REVIEWS
CITY OF ALBUQUERQUE
BUS SHELTER "C"
CUT SECTION
FILL SECTION

DWG. 2535.01 JANUARY 2003
CONSTRUCTION NOTES:
A. FRAME: 3 1/2" O.D. STEEL PIPE, COPE & WELD PIPE, GROUND SMOOTH.
B. 2 1/2" O.D. STEEL PIPE COPE & WELD PIPE TO CHASSIS GROUND SMOOTH.
C. 18 ga. PERFORATED STEEL PANEL, RIVETS OR TEMPER PROOF SCREWS FASTENED AT 8" O.C. TO 1/2" x 1/2" CHANNEL.
D. ROOF LINE ABOVE.
E. ROOF: HIGH STRENGTH F.R.P. SMOOTH SURFACE TOP AND BOTTOM, FASTEN TO 1/2" x 2" CHANNEL WITH RIVETS OR TEMPER PROOF SCREWS @ 8" O.C. PAINT TO MATCH SHELTER.
F. OPTIONAL FLUORESCENT DC LIGHT WITH PHOTO VOLTAIC SOLAR COLLECTOR AND BATTERY IN VENTED SECURITY HOUSING. LACOR MODEL SM120 OR EQUAL. LACOR STREET SCAPES, PHOENIX, ARIZONA, (602) 371-3110.
G. 1/2" EXPANSION JOINT.
H. TRASH RECEPTACLE (SEE STD. DWG. 2535.10).
I. 4" SLAB WITH 4x4 = W4.0 MM, USE 10" DEEP TURNDOWN AT PERIMETER, BROWN FINISH.
J. EXISTING SIDEWALK & CURB (WIDTH VARIES). (SHADOED)
K. SLOPE SLAB AT 1:50 MATCH ELEVATION OF SIDEWALK.
L. BENCH (SEE DETAILS, STD. DWG. 2535.09).
M. THICKENED SLAB (TYP.) (SHADOED)
N. 3/4" CHAMFER EDGE.
O. R.O.W. VARIES. SHELTER MUST BE CONSTRUCTED WITHIN R.O.W.
P. BUS STOP SIGN. (TYP.)
CONSTRUCTION NOTES:
A. FRAME 3 1/2" O.D. STEEL PIPE, COPE & WELD PIPE, GRIND SMOOTH.
B. 2 1/2" O.D. STEEL PIPE COPE & WELD PIPE TO CATCH, GRIND SMOOTH.
C. 16 gage PERFORATED STEEL PANEL SHEETS OR TEMPER PROOF SHEETS FASTENED AT 6" o.c. TO 1/2" x 1" CHANNEL.
D. ROOF LINE ABOVE.
E. (NOT USED)
F. (NOT USED)
G. 1/2" EXPANSION JOINT.
H. TRASH RECEPTACLE (SEE STD. DWG. 2335.10).
I. 4" SLAB WITH 4:1 - W/C W/C. USE 10" DEEP TURNED AT PERIMETER, BROWN FINISH.
J. EXISTING CURB (SHADOWED).
K. MATCH SLOPE OF CURB.
L. BENCH (SEE STD. DWG. 2535.09).
M. THICKENED SLAB (TOP) 1/22.
N. BUS STOP SIGN (TOP).
O. NEW CONCRETE INFILL IF SIDEWALK IS SET BACK FROM CURB. SIZE AND SHAPE OF INFILL MAY VARY.
P. MATCH SIDEWALK WIDTH.

PLAN WITHOUT SIDEWALK (OR SIDEWALK SET BACK FROM CURB)
CONSTRUCTION NOTES:
A. FRAME 3 1/2" O.D. STEEL PIPE, COPE & WELD PIPE, GRIND SMOOTH.
B. 2 1/2" O.D. STEEL PIPE COPE & WELD PIPE TO CHASSIS, GRIND SMOOTH.
C. 16 g.p. PERFORATED STEEL PANEL, RIVET OR TEMPER PROOF SCREWS FASTENED AT 6" o.c. TO 1/2" x 1" CHANNEL.
D. ROOF LINE ABOVE.
E. ROOF, HIGH STRENGTH F.R.P. SMOOTH SURFACE TOP AND BOTTOM. FASTEN TO 1/2" x 2" CHANNEL WITH RIVETS OR TEMPER PROOF SCREWS AT 8" o.c. PAINT TO MATCH SHELTER.
F. BENCH (SEE DETAILS ON STD. DWG. 2535.09).
G. 1/2" EXPANSION JOINT.
H. TRASH RECEPTACLE (SEE STD. DWG. 2535.10).
I. 4" SLAB WITH 4x4 = W40 WF. USE 10" DEEP TURNDOWN AT PERIMETER, BROWN PAINT.
J. EXISTING CURB & SIDEWALK (SHAPED).
K. THICKENED SLAB. (TYP.)
L. BUS STOP SIGN. (TYP.)
CONSTRUCTION NOTES:
A. FRAME 3 1/2" O.D. STEEL PIPE, COPE & WELD PIPE, GRIND SMOOTH.
B. 2 1/2" O.D. STEEL PIPE COPE & WELD PIPE TO CHASIS, GRIND SMOOTH.
C. 16 ga PERFORATED STEEL PANEL, RIVETS OR TEMPER PROOF SCREWS FASTENED AT 6" c.c. TO 1/2" x 1" CHANNEL.
D. ROOF LINE ABOVE.
E. ROOF: HIGH STRENGTH F.R.P., SMOOTH SURFACE TOP AND BOTTOM, FASTEN TO 1/2" x 2" CHANNEL WITH RIVETS OR TEMPER PROOF SCREWS AT 8" c.c. PAINT TO MATCH SHELTER.
F. BENCH (SEE DETAILS ON STD. DWG. 2535.09).
G. 1/2" EXPANSION JOINT.
H. TRASH RECEPTACLE (SEE STD. DWG. 2535.10).
I. 4" SLAB WITH 4 w/d = 4.0 WWF. USE 10" DEEP TURNDOWN AT PERIMETER, BROWN FRAME.
J. EXISTING CURB (SHADED).
K. THICKENED SLAB (Typ.).
L. BUS STOP SIGN (Typ.)
M. NEW CONCRETE INFILL IF SIDEWALK E. SET BACK FROM CURB. SIZE AND SHAPE OF INFILL MAY VARY.
N. MATCH SIDEWALK WIDTH.
CONSTRUCTION NOTES:

A. FRAME 3 1/2" STANDARD STEEL PIPE, COPED WELD PIPE CHASIS.

B. 2 1/2" STANDARD STEEL PIPE COPED, WELD PIPE TO CHASIS.

C. 16 GA. PERFORATED STEEL PANEL, RIVETS OR TAMPER PROOF SCREWS AT 8" O.C., FASTENED TO 1/2" X 1" CHANNEL.


E. ROOF, HIGH STRENGTH F.R.P; SMOOTH SURFACE TOP AND BOTTOM, FASTEN TO 1/2" X 2" CHANNEL WITH RIVETS OR TAMPER PROOF SCREWS AT 8" O.C.

F. OPTIONAL FLUORESCENT OCC LIGHT WITH PHOTO VOLTIC SOLAR COLLECTOR AND BATTERY IN VENT SECURITY HOUSING LACR MODEL NO. SSD10 OR EQUAL, LACR STREET SPACES, PHOENIX, ARIZONA, (602) 371-3110.

G. BENCH (SEE DETAILS ON ST. Dwg. 2535.06).

H. 1/2" EXPANSION JOINT.

I. 4" SLAB WITH R&R – WRAP AROUND WIRE, USE 10" DEEP TURNDOWN AT PERIMETER, BROOM FINISH.

J. 1/2" STEEL BRACKET, WELD TO PIPE FRAME, GRIND SMOOTH.

K. 16 GA. SHEET METAL PANEL (REVERS), ATTACH WITH RIVETS OR TAMPER PROOF SCREWS (6 PER PANEL).
CONSTRUCTION NOTES:
A. FRAME 3 1/2" STANDARD STEEL PIPE, COPED WELD PIPE CHASES.
B. 2 1/2" STANDARD STEEL PIPE COPED, WELD PIPE TO CHASES.
C. 16 GA. PERFORATED STEEL PANEL, RIVETS OR TAMPER PROOF SCREWS AT 8" O.C. FASTENED TO 1/2" x 1" CHANNEL.
D. STEEL ANCHOR PLATE WITH 1/2" DIAMETER RED HEAD ANCHOR BOLT, SEE DETAIL 4/6.
E. ROOF: HIGH STRENGTH F.R.P. SMOOTH SURFACE TOP AND BOTTOM, FASTEN TO 1/2" x 2" CHANNEL WITH RIVETS OR TAMPER PROOF SCREWS AT 8" O.C.
F. BENCH (SEE DETAILS ON STD. DWG. 2535.09).
G. 1/2" EXPANSION JOINT.
H. 4" SLAB WITH 4X4 = W10.0X4.0 WWF, USE 10" DEEP TURNDOWN AT PERIMETER, BROOM RHEM.
I. 1/2" STEEL BRACKET, WELD TO PIPE FRAME, GRIND SMOOTH.
J. 16 GA. SHEET METAL PANEL (BEYOND), ATTACH WITH RIVETS OR TAMPER PROOF SCREWS (8 PER PANEL).
CONSTRUCTION NOTES:

A. FRAME 5' SCHEDULE 40 STANDARD STEEL PIPE, COPE & WELD PIPE CHASSIS.

B. 2" SCHEDULE 40 STANDARD STEEL PIPE, COPE & WELD PIPE TO CHASSIS.

C. 16 GA. PERFORATED STEEL PANEL, RIVET OR SCREWS AT 8" o.c. TO 1/2" x 1/4" CHANNEL.

D. 1/4" STEEL ANCHOR PLATE W/ 1/2" ANCHOR BOLTS.

E. ROOF WITH STRENGTH F.R.P. SMOOTH SURFACE TOP AND BOTTOM, FASTEN TO 1/2" x 2" CHANNEL WITH RIVETS FOR TAMPER PROOF SCREWS AT 8" O.C.

F. 16 GA. SHEET METAL SOLID END PANEL ATTACH TO CHANNELS WITH RIVETS OR TAMPER PROOF SCREWS (8 PER PANEL).

G. CORROSION RESISTANT 1/2"x3 1/2" REBAR BOLTS (TYP.)

H. 5/8" x 1/2" x 1/4" CHANNEL WELD TO PIPE FRAME GRIND SMOOTH.

I. 1/4" STEEL BRACKET WELD TO PIPE FRAME GRIND SMOOTH.

J. CONCRETE SLAB.

K. 1" x 1/2" x 1/4" CHANNEL WELD TO PIPE GRIND SMOOTH.

REVISIONS

CITY OF ALBUQUERQUE

BUS SHelter 'C' & 'D' DETAILS

DWG. 2535.08 JANUARY 2003
CONSTRUCTION NOTES:
A. BENCH FRAME: 1-1/2" O.D. COPED, WELDED PIPE CHASSED PAINT FINISH.
B. 10 GA. PERFORATED STEEL AND WELD PIPE.
C. WELDED 3/8" STEEL FOOTING PLATES WITH HOLES FOR 1/2" DIAMETER ANCHOR BOLTS.
D. 1/4" THICK BASE PLATE.
E. 1/2" DIA. X 3 1/2" RED HEAD BOLTS.

ANCHOR DETAIL

REVERSONS  CITY OF ALBUQUERQUE
BUS SHELTER 'C' & 'D'
BENCH

Dwg: 2535.09  January 2003
CONSTRUCTION NOTES:
A. TRASH RECEPTACLE 16 GA. PERFORATED STEEL WITH 8" O.D. PIPE PEDESTAL, PAINT FINISH.
B. ANCHORING: 1 HOLE FOR 1/2" x 24" # ROD THROUGH BOTTOM OF PEDESTAL.
C. NEW CONCRETE SLAB.
D. 1/4" ANCHORS (2) WELD TO X 6' PEDESTAL.
E. LIQUID APPLIED WATER PROOFING ON ALL BELOW GRADE STEEL.
F. PADLOCK HASP.
G. REMOVABLE TOP 16 GA. STEEL POWDER COATING FINISH.
H. 8" PEDESTAL W/ 1/2"x6"x24" ANCHOR BAR WELD TO PEDESTAL.
I. 10 GA. SOLID BOTTOM WELD TO PEDESTAL.
J. 2" x 1" STEEL CHANNEL FRAME AT TOP AND BOTTOM.
K. 2"x2"x1/4" STEEL ANGLE WELD TO PERFORATED STEEL LINER.
TRAFFIC SIGNAL MANHOLE (TYPICAL)
NEW CONDUIT INSTALLATION

NOTES:
1. TRAFFIC SIGNAL MANHOLE TO BE CONSTRUCTED IN AREAS NOT NORMALLY ACCESSIBLE TO VEHICULAR TRAFFIC.
TRAFFIC SIGNAL FOUNDATION NOTES

1. ALL FOUNDATIONS SHALL INCLUDE COPPERWELD GROUND RODS. ALL GROUND RODS SHALL BE 3/4" X 10'-0" AND WILL BE CONSIDERED INCIDENTAL TO THE FOUNDATION BED ITEMS.

2. FINISHED GRADE FOR ALL FOUNDATIONS TO BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. FOUNDATIONS MAY BE SLOPED TO MATCH SEEDBEDS. SLOPES SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT REQUIREMENTS.

3. TOP 6" OF FOUNDATIONS MUST BE FORMED.

4. CONCRETE PER SEC. 1011. EXTERIOR CONCRETE F/C=3500 PSI AT 28 DAYS.

ESTIMATED QUANTITIES

<table>
<thead>
<tr>
<th>FOUNDATION TYPE</th>
<th>3500 PSI CONCRETE CUBIC YD</th>
<th>REINFORCING BARS</th>
<th>POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>FEETED FOUNDATION</td>
<td>0.52</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>CONTROLLER FOUNDATION (TYPE M &amp; P)</td>
<td>0.80</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>SPLICE CABINET FOUNDATION</td>
<td>0.13</td>
<td>--</td>
<td></td>
</tr>
</tbody>
</table>

FOR CONTRACTORS INFORMATION ONLY

REVISED

CITY OF ALBUQUERQUE

TRAFFIC SIGNAL
CONTROLLER CABINET & FOUNDATION DETAILS

DRAWN: 2555

JANUARY 2003
ESTIMATED QUANTITIES FOR NEW FOUNDATION MODIFICATIONS

<table>
<thead>
<tr>
<th>CABINET</th>
<th>SIZE</th>
<th>51000 D</th>
<th>STRUCTURAL CONCRETE CLASS A</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONV. &quot;G&quot; C. TO &quot;M&quot; C.</td>
<td>24&quot;x24&quot;x30&quot; (EXISTING)</td>
<td>0.075 CY</td>
<td></td>
</tr>
<tr>
<td>CONV. &quot;G&quot; OR &quot;M&quot; C. TO &quot;P&quot; C.</td>
<td>24&quot;x24&quot;x30&quot; (EXISTING)</td>
<td>0.138 CY</td>
<td></td>
</tr>
<tr>
<td>NEW &quot;M&quot; C.</td>
<td>12&quot;x18&quot;x42&quot; (NEW)</td>
<td>0.78 CY</td>
<td></td>
</tr>
<tr>
<td>NEW &quot;P&quot; C.</td>
<td>28&quot;x50&quot;x42&quot; (NEW)</td>
<td>1.28 CY</td>
<td></td>
</tr>
</tbody>
</table>

NOTES:
1. CONCRETE PER SEC. 101, EXTERIOR CONCRETE
f'c=3500 PSI AT 28 DAYS.

REV. CITY OF ALBUQUERQUE
TRAFFIC TRAFFIC SIGNAL
CABINET FOUNDATION CONVERSION
Dwg. 2506 JANUARY 2003
CONSTRUCTION MATERIALS AND FINISH

- 10 GA GALVANIZED SHEET STEEL
- POWDER COATED
- 14 GA 304 STAINLESS STEEL SHEET
- POWDER COATED COLORED: NATURAL
- 0.012 ALUMINUM SHEET
- POWDER COATED COLORED: ANODIZED

POWDER COAT COLORS
- WHITE
- RANCH GREEN
- HUNT GREEN
- OTHER
- GALLERY

SPICE CABINET CONSTRUCTION NOTES

1. SPICE CABINET SHALL BE UL LISTED "INDUSTRIAL CONTROL PANEL" PER UL 508.

2. CONSTRUCTION SHALL BE HEAVY 3/8 AND 1/2 RAIN TIGHT AND DUST TIGHT, ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.

3. ALL NUTS, BOLTS, SCREWS AND NIPPERS SHALL BE STAINLESS STEEL, ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.

4. NUTS, BOLTS, AND SCREWS SHALL NOT BE VISIBLE FROM OUTSIDE OF SPICE CABINET.

5. PHOTOCOPIE NAME PLATES SHALL BE PROVIDED AS REQUIRED.

6. ALL POWDER COATED CABINETS SHALL HAVE A CORROSION RESISTANT COATING WHICH INCLUDES A FIVE STEP OF TANK METAL PREPARATION PROCESS:
   - ALKALINE CLEANER 100° F
   - CLEAR WATER RINSE
   - IRON PHOSPHATE APPLICATION 150°
   - CLEAR WATER RINSE
   - PHOSPHATE RINSE TO SEAL PHOSPHATE

SURFACES 120°

FINISHED WITH AN ELECTROSTATICALLY APPLIED DRY POLYESTER POWDER COATING THEN BAKED @ 387 TO CURSE.

7. FOUNDATIONS, INCLUDING EXCAVATION, CONCRETE AND ANCHOR BOLTS, COMPLETE IN PLACE AND BACK FILLED, SHALL BE CONSIDERED INCIDENTAL TO THE SPICE CABINET.

REVISIONS

CITY OF ALBUQUERQUE
TRAFFIC
TRAFFIC SIGNAL
SPICE CABINET GROUND MOUNT (LARGE)

DWG. 2557 JANUARY 2003
CAMERA SHALL BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION, TO ALIGN HORIZON AT HORIZONTAL PLANE.
TYPICAL OPTICAL DETECTOR INSTALLATION - PEDESTAL POLE

Note: Optical detector shall ONLY be mounted on pedestal poles when there is no mastarm.

OPTICAL DETECTOR MOUNTING - DETAIL "A"

NOTES:
1. All optical detector mounting hardware shall conform to optical detector manufacturer's requirements.

TYPICAL OPTICAL DETECTOR INSTALLATION - MASTARM
METER PEDESTAL CONSTRUCTION NOTES:

1. METER PEDESTAL SHALL BE UL LISTED "INDUSTRIAL CONTROL PANEL" PER UL 508.
2. METER PEDESTAL SHALL MEET THE ELECTRIC UTILITY SERVICE EQUIPMENT REQUIREMENTS COMMITTEE (EUSEC) GUIDELINES.
3. CONSTRUCTION SHALL BE NEMA 3R AND 12, RAIN TIGHT AND DUST TIGHT, ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
4. ALL NUTS, BOLTS, SCREWS AND HINGES SHALL BE STAINLESS STEEL.
5. NUTS, BOLTS, AND SCREWS SHALL NOT BE VISIBLE FROM OUTSIDE OF METER PEDESTAL.
6. PHENOLIC NAME PLATES SHALL BE PROVIDED AS REQUIRED.
7. CIRCUIT BREAKERS SHALL BE CABLE IN-CABINET WITH LINE ON TOP & LOAD ON THE BOTTOM. HANDLE POSITION UP="ON", DOWN="OFF".
8. A PLASTIC COVERED WIRING DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
9. METER PEDESTAL SHALL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA STANDARDS.
10. ALL POWDER COATED METER PEDESTAL SHALL HAVE A CORROSION RESISTANT COATING WHICH INCLUDES A THREE-STEP DIP DRY METAL PREPARATION PROCESS:
   A. ALKALINE CLEANER 180°F
   B. CLEAR WATER RINSE
   C. IRON PHOSPHATE APPLICATION 150°F
   D. CLEAR WATER RINSE
   E. ENAMEL RINSE TO SEAL PHOSPHATED SURFACES 120°F
   F. FINISHED WITH AN ELECTROSTATICALLY APPLIED DRY POLYESTER POWDER COATING THEN BAKED @ 380°F TO CUR.  
11. CONCRETE FOUNDATIONS INCLUDING EXCAVATION AND BACKFILL, CONCRETE, AND ANCHOR BOLTS, COMPLETE-IN-PLACE, WILL BE CONSIDERED INCIDENTAL TO THE METER PEDESTAL.

CONSTRUCTION MATERIALS AND FINISH:

- 12 GA HD GALVANIZED SHEET STEEL
- 14 GA 304 STAINLESS STEEL SHEET
- POWDER COATED COLOR: NATURAL
- 0.125" ALUMINUM SHEET
- POWDER COATED COLOR: ANODIZED

POWDER COAT COLORS:
- WHITE
- BANANA GREEN
- HINT GREEN
- OTHER
- CAMEL

REVISIONS

CITY OF ALBUQUERQUE

TRAFFIC SIGNAL METER PEDESTAL DETAILS FOR SIGNAL

DWG. 2571
JANUARY 2003
NOTES

1. MANUF. SHALL BE OWI STYLE. DIMENSIONS SHALL BE AS NOTED. ARM SHEET SHALL BE ATTACHED ON A SHOWN TENSION AS DETAILED. ARM SHEET SHALL BE A ROUND TAPERED TUBE.

2. NUTS, BOLTS OR FASTENERS SHALL COMPLY WITH ASTM A-327 AND/OR HARDWARE A-314 (GRADE 55 FE OR BOLT ZINC PLATED). ASTM A-193 OR COLD FORGED STUDS.

3. BOLT GASKET SHALL BE 22 GAUGE STAINLESS SHEET OF 18-8 SERIES (301, 302, 303, 304).

4. GROUTING SHALL BE IN ACCORDANCE TO SECTION B17 OF THE STANDARD SPECIFICATIONS.

5. ACCEPTABLE TYPE V LIGHTING STANDARDS ARE VALMET MARCO ALUMINUM AND STEEL POLES.

6. DETAILS SHOWN ARE FOR STEEL POLES. PRE-APPROVED ALUMINUM POLES MAY BE USED.


REINFORCEMENT SHALL BE HELD TO THE POLE SHAFT IN THE 60 DEGREE LOCATION. PRIOR TO CEMENTING POLE SHAFT. COVER SHAFTS TO BE FABRICATED FROM 3/16" SHEET STEEL OR ALUMINUM. STEEL COVER IS GALVANIZED ACCORDING TO ASTM A-123. COVER SHAFTS SHALL BE EQUIPPED WITH TWO (2) 3/4" STAINLESS STEEL 1/4"-20 X 3/4" HEX CAP SCREW AND TWO (2) CAPTIVE WASHERS.

PROVISION FOR INTERNAL GROUNDING SHALL BE PROVIDED BY A TAPPED HOLE.

HANDHOLE REINFORCEMENT SHALL STRENGTHEN POLE SHAFT SECTION TO THAT OF A SHAFT FABRICATED WITHOUT A HANDHOLE.

SHIRT COVER SHALL BE FABRICATED FROM 1/16" SHEET ALUMINUM ALLOY 3003 H-14. SCREWS ARE SELF-DRIVING #10 X 3/4" STAINLESS STEEL WHEN COUPLINGS ARE SPECIFIED. EACH LEAD POLE WILL BE FURNISHED WITH TWO (2) SHIRT COVER SECTIONS AND SIX (6) SCREWS.

INTENDED USE: THE SHIRT COVER IS USED TO ENCLOSURE Voids UNDER POLES WITH BREAKAWAY SUPPORT COUPLINGS.

DOUBLE ARM CONNECTION DETAILS

DIMENSIONS:

10'-0"
2-3/8" OD X 6" TENDON
3 1/2" OD ARM
3 1/2" TO 10"
1 1/4" X 20 X 3/4"
1/4"-20 X 3/4"
3/16"

DETAIL A

FACTORY MARK

DETAIL "A"

SKIRT COVER DETAILS

REV. CITY OF ALBUQUERQUE

Traffic Street Lighting Installation & Pole Details

Dwg. 2581 January 2003