

| |
|---------------|
| TCP \$ |
| Drainage \$ |
| SIF\$ |
| Inspection \$ |

| |
|---------------|
| Planning \$ |
| Bldg Permit # |
| File # |

PLANNING CLEARANCE

(Multifamily & Nonresidential Remodels and Change of Use)

Public Works & Planning Department

Building Address 1311 440 Main Street
 Parcel No. 2945-143-16-940
 Subdivision City of Grand Jct.
 Filing _____ Block 103 Lot 22 #23

Multifamily Only:
 No. of Existing Units _____ No. Proposed _____
 Sq. Ft. of Existing _____ Sq. Ft. Proposed _____
 Sq. Ft. of Lot / Parcel _____
 Sq. Ft. Coverage of Lot by Structures & Impervious Surface
 (Total Existing & Proposed) 0

OWNER INFORMATION:

Name DDA
 Address 248 South 4th Street
 City / State / Zip Grand Jct CO 81501

DESCRIPTION OF WORK & INTENDED USE:

Remodel Change of Use (*Specify uses below)
 Addition Change of Business
 Other: Ped Walkway

APPLICANT INFORMATION:

Name DDA
 Address 248 South 4th Street
 City / State / Zip Grand Junction CO 81501
 Telephone _____

*** FOR CHANGE OF USE:**
 *Existing Use: Vacant
 *Proposed Use: Walk Way (Ped)
 Estimated Remodeling Cost \$ 100,000
 Current Fair Market Value of Structure \$ _____

REQUIRED: One plot plan, on 8 1/2" x 11" paper, showing all existing & proposed structure location(s), parking, setbacks to all property lines, ingress/egress to the property, driveway location & width & all easements & rights-of-way which abut the parcel.

THIS SECTION TO BE COMPLETED BY PLANNING STAFF

ZONE B-2 Maximum coverage of lot by structures N/A
 SETBACKS: Front 0 from property line (PL) Landscaping/Screening Required: YES _____ NO X
 Side 0 from PL Rear 0 from PL Parking Requirement _____
 Maximum Height of Structure(s) N/A Floodplain Certificate Required: YES _____ NO ✓
 Voting District _____ Ingress / Egress Location Approval _____
 (Engineer's Initials) _____ Special Conditions: _____

Modifications to this Planning Clearance must be approved, in writing, by the Public Works & Planning Department. The structure authorized by this application cannot be occupied until a final inspection has been completed and a Certificate of Occupancy has been issued, if applicable, by the Building Department.

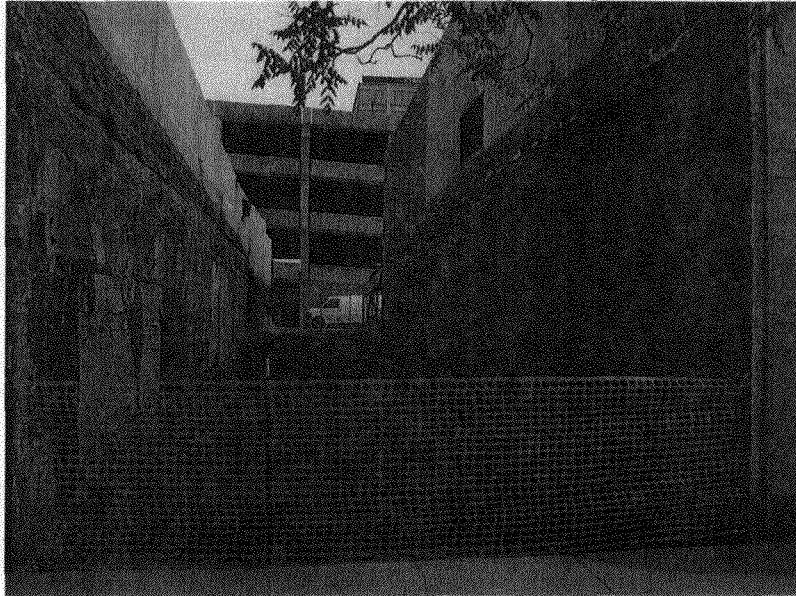
I hereby acknowledge that I have read this application and the information is correct; I agree to comply with any and all codes, ordinances, laws, regulations or restrictions which apply to the project. I understand that failure to comply shall result in legal action, which may include but not necessarily be limited to non-use of the building(s).

Applicant Signature Charles M Best Date 6-7-2008
 Planning Approval Dayleen Henderson Date 6-1-09

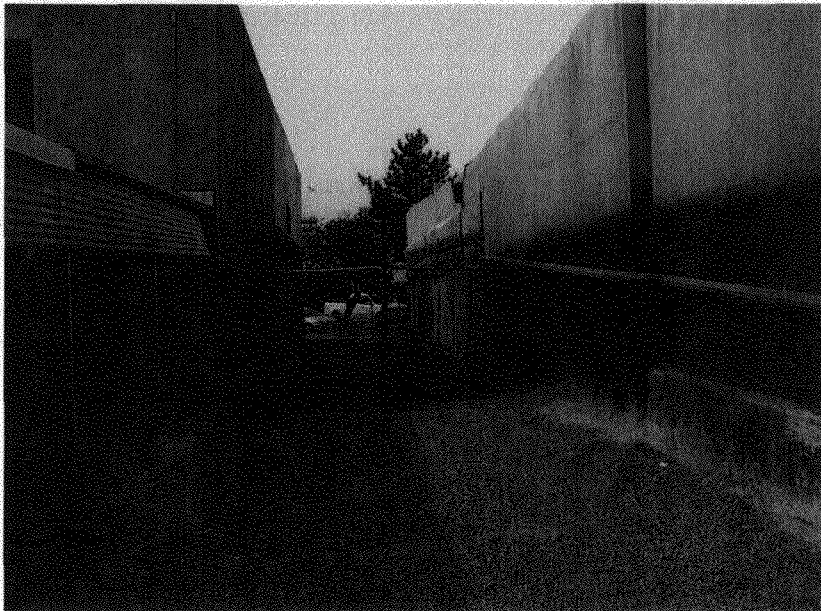
| | | | |
|--|--------------------|-------------|---------|
| Additional water and/or sewer tap fee(s) are required: | YES | NO <u>✓</u> | W/O No. |
| Utility Accounting <u>✓</u> | Date <u>6/1/09</u> | | |

VALID FOR SIX MONTHS FROM DATE OF ISSUANCE (Section 2.2.C.4 Grand Junction Zoning & Development Code)
 (White: Planning) (Yellow: Customer) (Pink: Building Department) (Goldenrod: Utility Accounting)

**The Downtown Development Authority
BID DOCUMENTS
FOR
440 Main Street Breezeway Improvements**



440 Main looking North



440 Main Street looking South
May 2009

INVITATION TO BID

The DDA will receive sealed bids at 248 South 4th Street, Grand Junction, Colorado 81501 until 2:00 p.m. on Tuesday June 2, 2009 for the 440 Main Street Breezeway Improvements. All bids will be opened and read aloud immediately following the submittal deadline. The project generally consists of concrete pavement, electrical conduits and distribution panels, and wall resurfacing.

Plans, Specifications and other Bid Documents may be reviewed and obtained at the office of the DDA at 248 South 4th Street, Grand Junction, Colorado 81501.

The June 2007 edition of the "City Standard Contract Documents for Capital Improvements Construction" is also available for purchase at City Hall.

For additional information on this Bid, contact Mike Best, Project Manager City of Grand Junction 970-256-4004.

There will be a **pre-bid meeting** conducted at the project site on May 27, 2009 at 2:00 pm.

The DDA's office will stamp the date and mark the time received on all bids. Bids received after the date and time indicated on the Invitation to Bid will not be considered. The DDA is not responsible for delays occasioned by the U.S. Postal Service, the internal mail delivery system of the DDA, or any other means of delivery employed by the Bidder.

May, 2009

The construction work shall be started on June 8, 2009 and completed on June 30, 2009.

Scope of Work

Conduit and Electrical:

- Item 1: All pvc conduit used on this project will be electrical grade schedule 40.
- Item 2: All electrical work will require a Mesa County Building Department Permit that is obtained by the contractor.

Landscaping and Signing:

- Item 1: All Irrigation components shall be manufactured by Rain Bird Corporation.

Brick and concrete wall repairs and finishes

West wall repair

- Item 1: Remove existing cement coating on the existing brick wall. This coating is approximately one half inch thick and is poorly adhering to the existing brick wall. This coating will need to be removed to apply the new stucco wall coating.
- Item 2: Repair the existing brick wall. This includes the filling of the roof rafter and ceiling joist pockets and the floor joist pockets. The voids will be filled with a non shrink cement grout.
- Item 3: The existing brick wall will be pressure washed to remove all remaining dust and loose debris to prepare it for the first coat of stucco. The portions of the existing stucco coating located on the north two thirds of the building will be removed to a clean line at the brick step located approximately 4 feet below the top of the existing building.
- Item 4: The new stucco coating will be applied in two coats. The first coat will be used for leveling and surface preparation. The final coat will be a color coat. There will be bonding agents and fiberglass reinforcement mats used to control cracking in the new stucco material.
- Item 5: The rear 55 feet of the existing building stucco finish shall be primed and painted to match the new stucco coating located on the north portion of the wall.
- Item 6: The existing roof gutter that drains the building will be reconstructed using existing and new materials approximately 10 feet above the

present location on the wall. The drain pipe will tee into the existing down spout at the north east corner of the building and drain into the alley. The existing scupper will be repaired to accept the roof gutter pipe.

Item 7: The existing brick trim corner located on Main Street will be removed and the new stucco finish coating will be extended to cover the existing brick wall.

Item 8: The portion of the brick and stucco wall located below the breezeway concrete pavement will be coated with a water proof coating 12 inches below the concrete pavement.

East wall repair:

Item 1: The existing concrete wall will be cleaned by grinding and chipping to remove the excess mortar that was used to construct the existing wall. The existing voids and holes in the concrete block wall will be filled with non shrink cement grout both above and below grade.

Item 2: The voids between the existing steel column and concrete block wall will be filled with non shrink cement grout.

Item 3: The concrete block wall will be pressure washed to provide a clean surface for the paint. This cleaning will include removing the black tar mastic from the concrete block wall.

Item 4: The concrete wall will be primed and painted with a color to be determined by the DDA that complements the stucco finish on the west wall of the breezeway.

Item 5: The existing brick trim at Main Street will be removed. A one inch thick twelve inches wide stucco pop out will be used to trim out the corner to the aluminum trim located on the existing building.

Item 6: A water proof material will be used to coat the concrete block wall to 12 inches below the breezeway concrete pavement.

Concrete Paving:

Project schedule:

The following is the anticipated order of construction.

The site grading and conduit placements light bases and brick wall footings are to be first.

The concrete pavement is to be completed second.

The east and west wall repairs and the brick planter and signs may be completed concurrently after the concrete is completed.

Upon completion of the concrete pavement the contractor shall start the remaining work. The DDA will require that the breezeway be open for pedestrian access to the alley every Thursday afternoon and evening until the project is completed. They will also require that the breezeway be open for Friday evening and through the weekend for Main Street activities. The contractor may close the breezeway all other times to allow for construction work.

General:

The contractor will be required to obtain all Mesa County Building Department Permits related for the construction of this project.

Submittals:

Paint brands and colors
Stucco manufacture, color, and method statement
Concrete colors and mix design
Class 6 and 3 gradations and Proctors
Mesa County Building Permit
Wall repair method statements
Irrigation equipment
Shop drawings for signs, sculpture lights, and wood beam construction
Brick color

Breezeway Improvements

Bid Date: June 2, 2009 at 2:00 pm

| Item No. | Spec. Referen | Description | Quantity | Units | Unit Price | Total Price |
|-------------------------------|---------------|--|----------|-------|------------|-------------|
| Conduit and Electrical | | | | | | |
| 1 | | 4 inch dia electrical grade PVC Conducts including all required sweeps concrete cores and mechanical connects to storage room. | 350 | LF | \$ _____ | \$ _____ |
| 2 | | 4 inch dia steel conduit run between the electrical and mechanical room and the storage room. This includes all concrete cores and fittings required to complete the conduit connection between the rooms. This includes the required wire to connect the service panel to the main. | 90 | LF | \$ _____ | \$ _____ |
| 3 | | 2 inch dia electrical conduit between light pole bases including all required sweeps. This includes the wire needed to connect the lights to the new service panel located in the parking garage. | 200 | LF | \$ _____ | \$ _____ |
| 4 | | 2 inch dia extra electrical grade conduits for future connections to Main Street | 590 | LF | \$ _____ | \$ _____ |
| 5 | | 2 inch dia steel conduits between the mechanical room and the storage room. This includes all concrete cores and fittings required to complete the conduit connection between the rooms. | 180 | LF | \$ _____ | \$ _____ |
| 6 | | 2 inch dia electrical grade communications conduit for computer and public address system wiring | 525 | LF | \$ _____ | \$ _____ |
| 7 | | 2" dia electrical conduit for ground lights including the wire to connect the lights to the panel box | 100 | LF | \$ _____ | \$ _____ |
| 8 | | Supply and install area lights by Union Metal Corporation | 4 | EA | \$ _____ | \$ _____ |
| 9 | | Concrete light pole bases cast in place | 4 | EA | \$ _____ | \$ _____ |
| 10 | | ground lights installed in concrete for sculpture Greenlee RDB 70MH 120 SPV RTL | 3 | EA | \$ _____ | \$ _____ |
| 11 | | Electrical pull box Quazite 30"x48" | 1 | EA | \$ _____ | \$ _____ |
| 12 | | Electrical service panel 200 amp installed in parking garage | 1 | EA | \$ _____ | \$ _____ |
| 13 | | Electrical panel with 6 - 120 volt duplex outlets including wire to new service panel installed at the south end of the breezeway | 2 | EA | \$ _____ | \$ _____ |
| 14 | | 2 inch dia. conduit for natural gas service to Main Street | 150 | LF | \$ _____ | \$ _____ |

Landscaping and signing

| | | | | | | |
|----|--------------|---|-----|----|----------|----------|
| 15 | | 2 inch dia conduit for irrigation control wire and 3/4" copper water line this includes the wire to connect the controller to the valves | 220 | LF | \$ _____ | \$ _____ |
| 16 | 102.7c/108.4 | 3/4" Water service line (Type K Copper) From Main Street to planter box | 75 | LF | \$ _____ | \$ _____ |
| 17 | | 3/4" valve for irrigation at water meter | 1 | EA | _____ | \$ _____ |
| 18 | | Irrigation controller box two station Rain Bird Maxicom Ready | 1 | EA | \$ _____ | \$ _____ |
| 19 | | Left Blank | 0 | | \$ _____ | \$ _____ |
| 20 | | Left Blank | 0 | | \$ _____ | \$ _____ |
| 21 | 207 | Top soil for planter | 10 | CY | \$ _____ | \$ _____ |
| 22 | | Wood Chips 4 inches thick | 144 | SF | \$ _____ | \$ _____ |
| 23 | | Steel tubing Sign posts | 2 | EA | \$ _____ | \$ _____ |
| 24 | | Brick Sign Base Main Street color and style of construction to match Colorado Ave. construction. Brick soldier course cap. | 1 | LS | \$ _____ | \$ _____ |
| 25 | | Brick planter for trees. Color, style and construction to match Colorado Ave. Construction. | 1 | LS | \$ _____ | \$ _____ |
| 26 | | Steel columns and wood beams assemblies including all hardware and bases mounted in concrete. The steel columns will be primed and painted brown with two coats of paint. | 4 | EA | \$ _____ | \$ _____ |

Brick and concrete wall repairs and finishes

| | | | | | | |
|----|--|--|------|----|----------|----------|
| 27 | | Prep west wall for stucco covering | 1350 | SF | \$ _____ | \$ _____ |
| 28 | | 2 coats of stucco for west wall covering | 1350 | SF | \$ _____ | \$ _____ |
| 29 | | Paint west existing stucco wall to match new stucco color with one coat of primer and one coat of elastomeric paint | 1200 | SF | \$ _____ | \$ _____ |
| 30 | | Provide and install 4 1/2 inch dia galvanized gutter and install a tee to connect to existing down spout in the alley. | 80 | LF | \$ _____ | \$ _____ |
| 31 | | Prep east wall including the concrete block repair. | 1800 | SF | \$ _____ | \$ _____ |
| 32 | | Paint east wall with block filling primer and elastomeric paint. | 1800 | SF | \$ _____ | \$ _____ |

Concrete Paving

| | | | | | | |
|----|-----|---|----|----|----------|----------|
| 33 | 203 | Sub grade Prep and class 3 import fill material | 50 | CY | \$ _____ | \$ _____ |
| 34 | 208 | Concrete washout | 1 | EA | \$ _____ | \$ _____ |

| | | | | | | |
|----|--------|--|-----|----|----------|-------------------|
| 35 | 608.06 | Concrete paving class GV-B 5 inches thick including 6 inches of class 6 ABC. Davis Flagstone Brown | 155 | SY | \$ _____ | \$ _____ |
| 36 | 608.06 | Concrete paving class GV-b 5 inches thick including 6 inches of class 6 ABC. Davis Omaha Tan | 60 | SY | \$ _____ | \$ _____ |
| 37 | 608.06 | 6 inch thick concrete paving in alley. | 35 | SY | \$ _____ | \$ _____ |
| 38 | | Saw cut concrete | 80 | LF | \$ _____ | \$ _____ |
| 39 | 705 | Seal all concrete joints per section 705 Standard Contract Documents. | 700 | LF | \$ _____ | \$ _____ |
| 40 | 608 | 1/2 inch expansion material 5 inches wide | 350 | LF | \$ _____ | \$ _____ |
| 41 | | Water proof existing concrete block wall and brick wall 12 inches below the to of concrete paving grade. | 210 | LF | \$ _____ | \$ _____ |
| 42 | 620 | Portable sanitary facility | 1 | EA | \$ _____ | \$ _____ |
| 43 | 625 | Construction surveying | 1 | EA | \$ _____ | \$ _____ |
| 44 | 626 | Mobilization | 1 | LS | \$ _____ | \$ _____ |
| 45 | 630 | Traffic Control for site security | 1 | LS | \$ _____ | \$ _____ |
| 46 | 630 | Traffic Control Plan | 1 | LS | \$ _____ | \$ _____ |
| 47 | FA | Force Account | 1 | LS | \$ _____ | \$ <u>2000.00</u> |
| | | Total Price | | | | \$ _____ |



Union Metal Corporation
 1432 Maple Ave NE
 Canton, OH 44705
 Phone : 330-456-7653
 FAX : 330-456-0628

Quote Number: 29036

Quote

Page: 1 of 2

| | |
|---|--|
| <p>Quote To:</p> <p>COLORADO LIGHTING SERVICES ATTN: DAVID JENNINGS DENVER CO 80205</p> <p>Phone: 303-321-6364 Fax: 303-321-6492 Terms: NET 30</p> | <p>Date: 5/14/2009</p> <p>Expires: 6/13/2009</p> <p>Reference: 10 COM</p> <p>Sales Person: Tim Francis</p> |
|---|--|

PROJECT: GRAND JUNCTION, CO

**MATERIAL IS THE SAME AS CURRENTLY EXISITNG IN GRAND JUNCTION, CO*

| Line | Part Number | Description | Qty | Unit Price | Total Price |
|------|-------------|-------------|-----|------------|-------------|
|------|-------------|-------------|-----|------------|-------------|

| | | | | | |
|---|------------------|--|----|--|---|
| 1 | B807-20-B75-Y1RI | COLUMBIAN FAMILY ORNAMENTAL LIGHTING STANDARD N807-20-B75 R2 GRAND JUNCTION, CO | R2 | | 7 |
|---|------------------|--|----|--|---|

Lead Time 12 TO 14 WEEKS

FINISH: HDG AND POWDER COATED BLACK # 27038

ADDER:

SET OF (4) 3/4IN ANCHOR BOLTS \$48 PER SET

| | | | |
|--|---|----------|-------------|
| | 6 | 2,705.00 | \$16,230.00 |
|--|---|----------|-------------|

| Line | Part Number | Description | Qty | Unit Price | Total Price |
|------|-------------|-------------|-----|------------|-------------|
|------|-------------|-------------|-----|------------|-------------|

| | | | | | |
|---|-----------------|--|----|--|---|
| 2 | NL124S-4-A1-Y4E | NL124S MH 100W 120V ASYM PEC NOSTALGIA LUMINAIRE W/ 12G OAKLEAF GLOBEHOLDER NL124S-4-A1, R0 GRAND JUNCTION, CO | R0 | | 7 |
|---|-----------------|--|----|--|---|

Lead Time 12 TO 14 WEEKS

FINISH: POWDER COATED BLACK # 27038

| | | | |
|--|---|--------|------------|
| | 6 | 750.00 | \$4,500.00 |
|--|---|--------|------------|



Union Metal Corporation
1432 Maple Ave NE
Canton, OH 44705
Phone : 330-456-7653
FAX : 330-456-0628

Quote Number: 29036



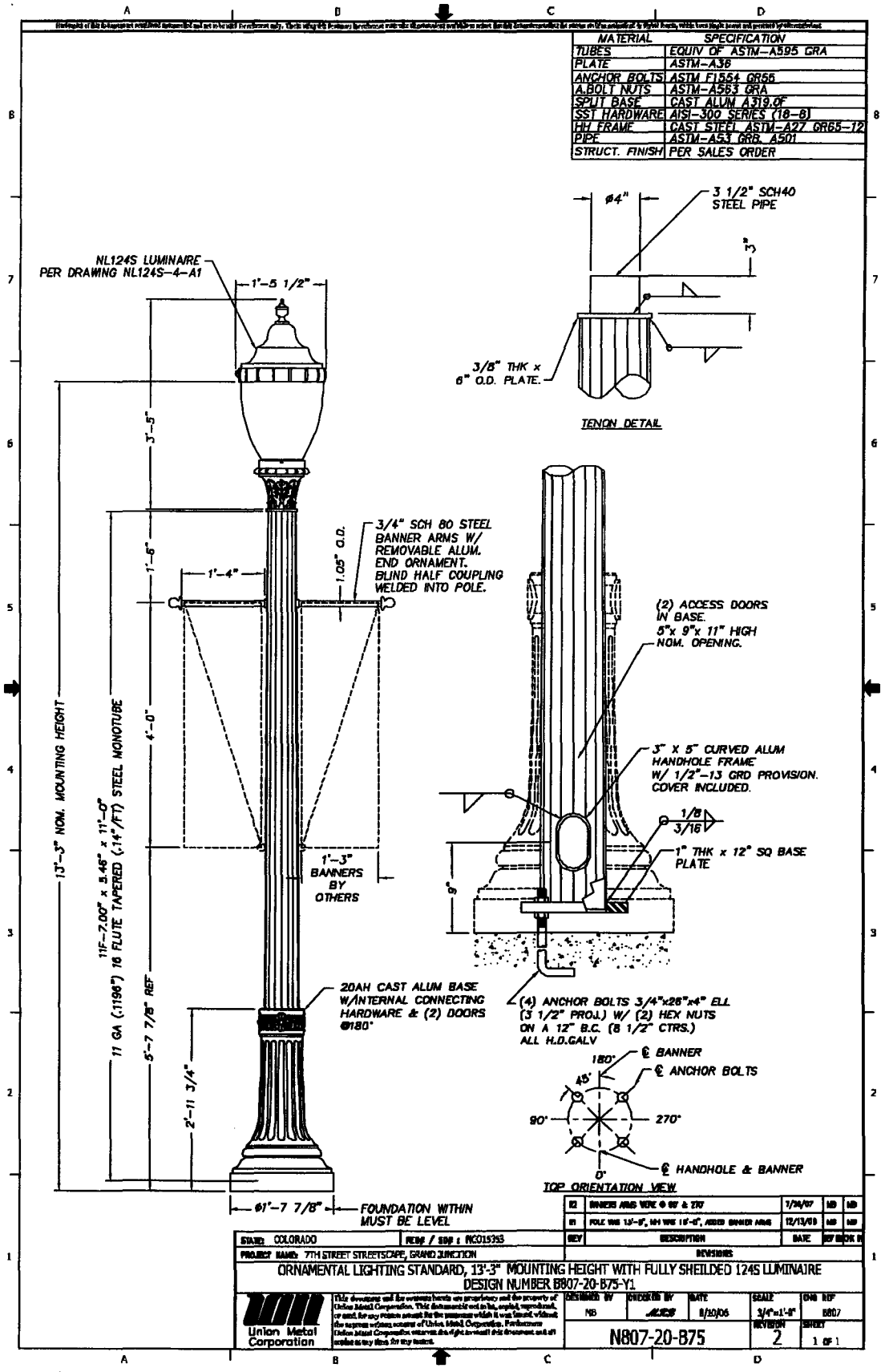
Page: 2 of 2

Total : \$20,730.00

The aforementioned material is designed in accordance with , **THE CUSTOMER'S SPECIFIED SIZING** . Customer acknowledges and accepts this quotation reference to the aforementioned specifications with subsequent placement of order unless otherwise noted. Quotation based on quantities and design information provided at time of quotation, any changes may affect quoted price. Union Metal Corporations general terms and conditions apply.

Prices are firm for order acceptance in 30 days and release of materials within **30 DAYS** from receipt of the purchase order. Prices are FOB factory, **FREIGHT ALLOWED**.

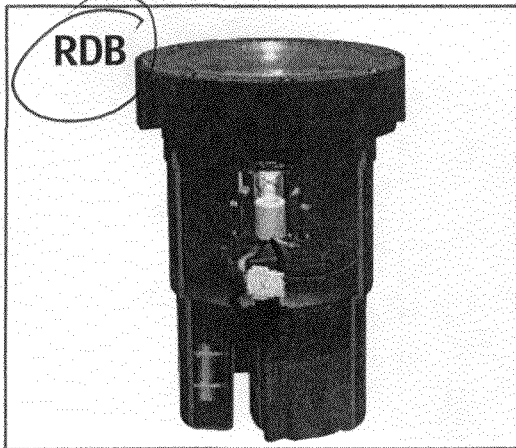
NOTE: Shipment lead time is based on current factory schedule and may vary depending on schedule at time of order receipt, release to manufacture, product configuration approvals if required, and confirmation of credit worthiness.



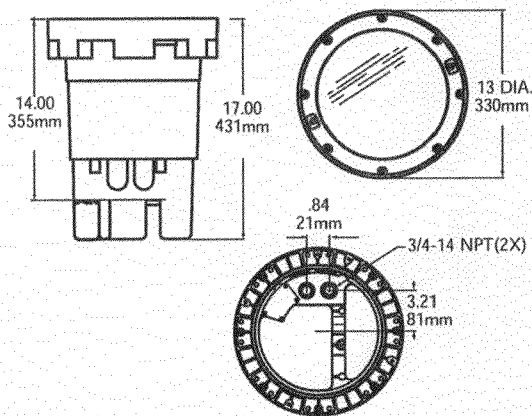
| MATERIAL | SPECIFICATION |
|----------------|-----------------------------|
| TUBES | EQUIV OF ASTM-A595 GRA |
| PLATE | ASTM-A36 |
| ANCHOR BOLTS | ASTM F1554 GR56 |
| A BOLT NUTS | ASTM-A563 GRA |
| SPLIT BASE | CAST ALUM A319 OF |
| SST HARDWARE | AISI-300 SERIES (18-8) |
| HH FRAME | CAST STEEL ASTM-A27 GR65-72 |
| PIPE | ASTM-A53 GRB, A501 |
| STRUCT. FINISH | PER SALES ORDER |

| | | | | | | | | |
|---|---|------------|----------|-------------|-------------|----------|------------|--------|
| STAND | COLORADO | PREP / RDP | MC015753 | REV | DESCRIPTION | DATE | BY | CHK |
| PROJECT NAME | 7TH STREET STREETScape, GRAND JUNCTION | | | REVISIONS | | | | |
| ORNAMENTAL LIGHTING STANDARD, 13'-3" MOUNTING HEIGHT WITH FULLY SHIELDED 124S LUMINAIRE | | | | | | | | |
| DESIGN NUMBER B807-20-B75-Y1 | | | | | | | | |
| | <small>This document and its contents herein are proprietary and the property of Union Metal Corporation. This document is not to be copied, reproduced, or used for any purpose without the permission which it was issued without the express written consent of Union Metal Corporation. Furthermore Union Metal Corporation reserves the right to amend this document as it sees fit at any time.</small> | | | DESIGNED BY | CREATED BY | DATE | SCALE | DWG NO |
| | | | | MB | MB | 8/20/06 | 3/4"=1'-0" | 0807 |
| | | | | N807-20-B75 | | REVISION | SHEET | |
| | | | | | | 2 | 1 OF 1 | |

GREENLEE RDB/RDS SERIES



DIMENSIONS



Lamp Types: Metal Halide, High Pressure Sodium, Incandescent, Low-Voltage, and Compact Fluorescent

Housing: Compression molded, fiber-reinforced polymer housing provides high strength and UV stability. Warranted against corrosion for five years.

Finish: Housing and standard slip-resistant composite lens retainer is black. Optional aluminum accessories are available in Black or Clear polyester powder coat. Brass accessories have a natural, as cast finish.

Fasteners: All exposed fasteners are captive, black oxide coated, stainless steel.

Lampholder: Matched to lamp/optics. Medium base is glazed porcelain, 4KV pulse rated, with spring center contact. Double ended HID are 5KV pulse rated with silver plated contacts. Compact fluorescent are molded thermoplastic. LV Bi-pin are high temperature ceramic. GX10 twist-lock ceramic sockets for CMH MR16 lamps.

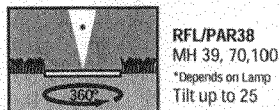
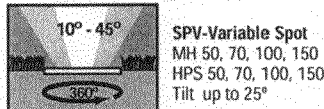
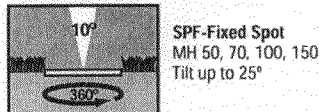
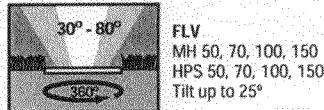
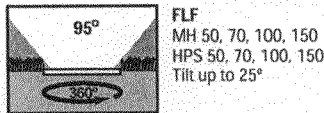
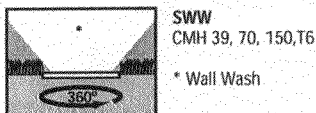
Lens/Retainer: Tempered, heat resistant glass available with low-iron formulation or optional slip resistant etched pattern. Cast brass and aluminum lens retainers are available in place of standard composite ring.

Optics/Aiming: Flood and Spot optics with variable beams spreads are available. Precise beam spread, tilt, and rotation can all be locked into place. Max reflector tilt is 15° in RDS, and 25° in RDB. Spot optics come standard with Internal Source Shields for glare control. Wall Wash optics have integral glare control devices. Reflector lamps from MR16 (RDS) through PAR38 (RDB) can be accommodated.

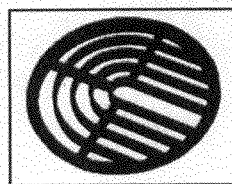
Power Pack: Standard HID PPK is magnetic, high power factor, -20°F starting, with a Class H, 180°C insulation system. Ballast and thermal protector are encapsulated in silica resin for heat control. PPK assembly has handle/finger holes for easy installation and service. Dissimilar quick connectors ensure error free assembly. Molded-in compartments (in housing) separate capacitor and ignitor from ballast heat. Fluorescent ballast is electronic, universal 120-277V 50/60HZ, rated for 0°F starting. Electronic ballasts for most metal halide lamps are an available option. Seal Pack and waterproof wire connectors are included to provide for a high quality installation.



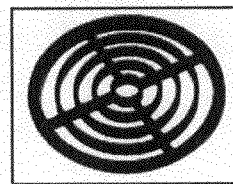
RDB OPTICS



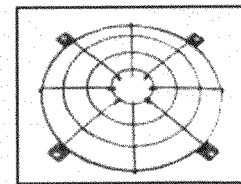
RDB Accessories (only)



Internal Directional Louver (IDL)



Internal Non-Directional Louver (INL)



Stainless Steel Rock Guard (RGS)
RGS is Black Oxide Coated

03/11/09

© 2009
LSI INDUSTRIES INC.

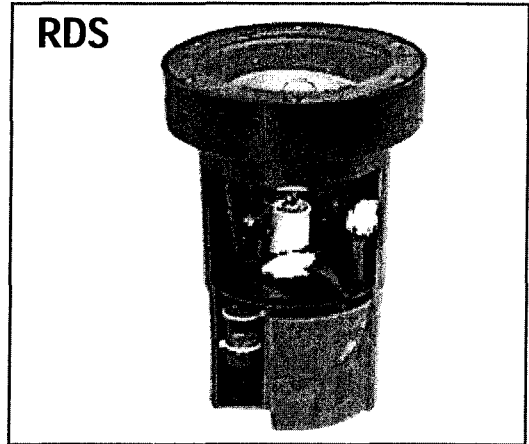
Project Name _____ Fixture Type _____
Catalog # _____



GREENLEE RDB/RDS SERIES

LSI Greenlee's RDB/RDS family of round corrosion proof composite inground uplights provides these extra value features:

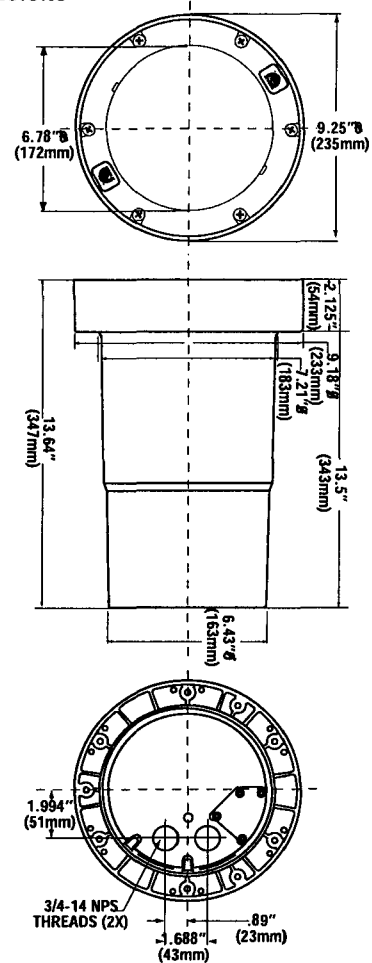
- RTL technology significantly reduces lens temperatures
- Variable Beam Spread Optics
- Rough-in housing RIH (with lens and retainer) can be shipped ahead for installation in concrete.
- Drive-over capability, up to 3,000-pound vehicle weight
- Power Pack with Quick Connectors
- Interchangeable Optic Assemblies with Quick Connectors
- Seal Pack kit provided to seal junction box for a high quality installation
- Waterproof wire connectors provided for trouble-free operation
- Anti-Siphon Barrier
- Tempered Low Iron Glass Lens



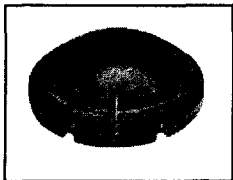
RDS OPTICS

| | |
|--|--|
| | AWW CMH 39, 70, 150,T6 MH 50, 70, 100 HPS 50, 70, 100 * Wall Wash |
| | FLF MH 50, 70, 100 HPS 50, 70, 100 Tilt up to 15° |
| | FLV MH 50, 70, 100 HPS 50, 70, 100 Tilt up to 15° |
| | SPF MH 50, 70, 100 HPS 50, 70, 100 Tilt up to 15° |
| | SPV MH 50, 70, 100 HPS 50, 70, 100 Tilt up to 15° |
| | RFL MR16 MH 20, 39, 70, 100PAR *Depends on Lamp Tilt up to 15° |

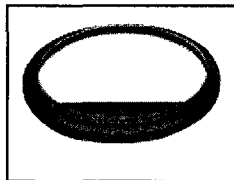
DIMENSIONS



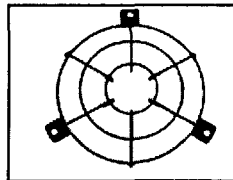
RDS Accessories (only)



Domed Directional Marker
 DMB-Shown
 DMA-CPP Available
 DMA-BLK Available



Wall Wash Lens
 Standard w/AWW Optics



Stainless Steel Rock Guard
 RGS-Shown

GREENLEE RDB/RDS ORDER SPECIFICATIONS

LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **RDB 100MH 120 FLV IDL**

| Series | Wattage/Lamp Type | Voltage | Optics | Options |
|-------------|--|---|---|--|
| RDB | 50 ¹ , 70, 100, 150 MH | 120 208 240 277 | Optics for Medium Base E-17 Lamps FLV – Variable Flood 30°– 80° SPV – Variable Spot 10°– 45° AWW – Asymmetric Wall Wash Optics (for E-17 lamps) FLF – Fixed Flood Reflector 95° SPF – Fixed Spot Reflector 10° Optics for T6 CMH Lamps w/G12 bi-pin base SWW – Superior Wall Wash Optics (for T-6 lamps) FLVG12 – Variable Flood 30°– 80° ³ SPVG12 – Variable Spot 10°– 45° ³ Self Reflectorized Lamp Optics PAR38: Med Base PAR38 Lamps MH 70, 100, 150 | ALR – Aluminum Lens Retainer- Specify Color ⁴ BLR – Brass Lens Retainer LL – Less Lamp RGA – Rock Guard Aluminum – Specify Color ⁴ RGB – Rock Guard Brass SCE – Side Conduit Entry (two additional, 3/4-14 only) SRL – Slip Resistant Lens DSA – Directional Shield Aluminum – Specify Color ⁴ DSB – Directional Shield Brass TR – Tamper Resistant Fasteners – order TR key separately Accessories CFX – Color Filters ⁵ IDL – Internal Directional Louver RGS – Stainless Steel Rock Guard ⁶ RTL – Reduced Temperature Lens SST – Stainless Steel Trim TDF – Tie Down Fasteners TRKEY – Key for TR fasteners |
| | INC | 120 | PAR38:Medium Base/Up to 250 watt AWW– Up to 150 watt T-10 halogen | |
| | 26, 32,42 CFL | UE ² | CFF Compact Fluorescent Flood | |
| RDS Marker | 50MH 26, 32, 42 CFL | 120 208 240 277 UE ² | DMA – Domed Directional Marker - Aluminum DMB – Domed Directional Marker - Brass | Options 180 - 180° House Side Shield |
| RDS Uplight | 39, 50, 70, 100 MH | 120 208 240 277 | Optics for Medium Base E-17 Lamps FLV – Variable Flood 36°– 110° SPV – Variable Spot 15°– 90° AWW – Asymmetric Wall Wash Optics FLF – Fixed Flood Reflector 90° SPF – Fixed Spot Reflector 15° Self Reflectorized Lamp Optics RFL – Up to 100W MH PAR38 or 39, 70W MH PAR30 Optics for T6 CMH lamps with G12 Bi-Pin Base FLVG12 – Variable Flood 30° – 90° ³ SPVG12 – Variable Spot 18° – 60° ³ | Options ALR – Aluminum Lens Retainer–Specify Color ⁴ BLR – Brass Lens Retainer LL – Less Lamp RGA – Rock Guard Aluminum –Specify Color ⁴ RGB – Rock Guard Brass SCE – Side Conduit Entry (two additional, 3/4-14 only) SRL – Slip Resistant Lens DSA – Directional Shield Aluminum–Specify Color ⁴ DSB – Directional Shield Brass TR – Tamper Resistant Fasteners - Order TR Key Separately Accessories CFX – Color Filters ⁵ HL – Internal Hexcell Louver RGS – Stainless Steel Rock Guard RTL – Reduced Temperature Lens SST – Stainless Steel Trim TDF – Tie Down Fasteners TR Key – Key for TR Fasteners |
| | INC Up to 150W PAR38 lamp or T-10 Halogen Lamp | 120 | RFL – Up to 150W PAR38 or 75W PAR30 AWW-Up to 150W T-10 Halogen | |
| | 26, 32,42 CFL | UE ² | CFF – Compact Fluorescent Flood | |
| | LV | LV | MR16S - Single MR16 up to 65 watts MR16D - Dual MR16's up to 50 watts each | |
| | 20, 39 MH | UE ² | MR16S - Single MR16 up to 39 watts MR16D - Dual MR16's up to 39 watts each | |

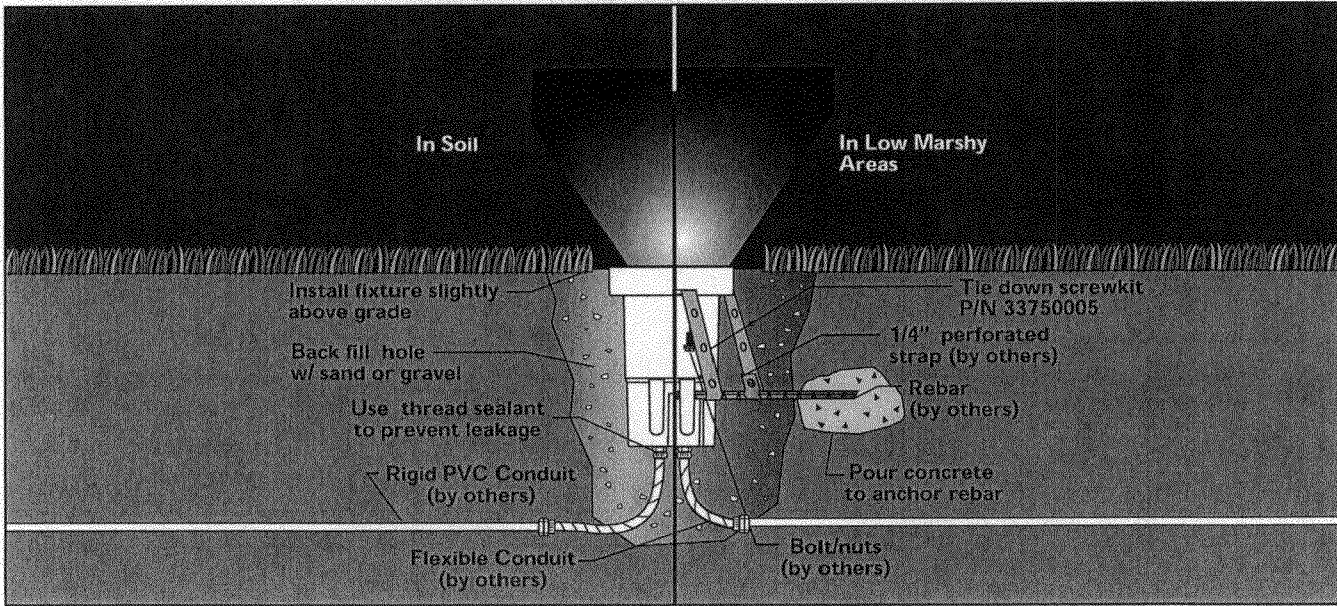
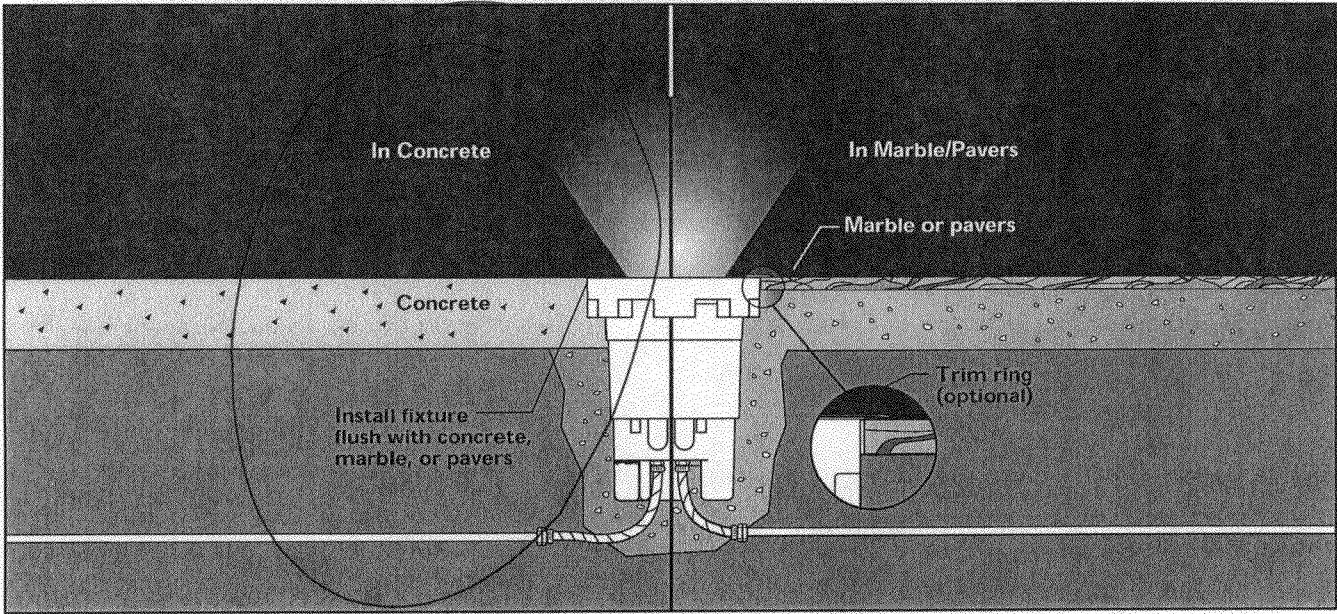
FOOTNOTES:

- 1- Available in 120 V or 277 V only; 35 Watt HPS is available in 120V only.
- 2- Universal Electronic 120-277V 50 or 60 HZ Ballast.
- 3- FLVG12 and SPVG12 Optics are designed for use with T-6 Ceramic Metal Halide lamps with G12 bases. Available in 39 and 70 watts only in RDS and up to 150 MH in RDB.
- 4- Aluminum Lens Retainer, Rock Guard, and Directional Shield are available with CPP - Clear or BLK- Black Polyester Powder Coat.
- 5- Restricted use item. Consult web site or factory for details.
- 6- RGS is black oxide coated.

Use of RTL, color filters, louvers, or other accessories that block light Lowers Maximum Wattage rating. Consult catalog, web site or factory for details.

GREENLEE RDB/RDS INSTALLATION

- Follow complete installation instructions packaged with each luminaire (also available on our web site)
- Use flexible PVC conduit and apply thread sealant to all conduit fittings
- Connect supply and fixture wires with silicone filled connectors (supplied)
- Seal conduit entries (around wires - from inside j-box) using mastic in Seal Pack
- Encapsulate conduit entries and wires with potting compound supplied in Seal Pack
- Install junction box cover and properly tighten all fasteners
- Install Power Pack – PPK, Access Barrier Plate, and Optics as instructed
- Clean lens gasket and gasket seating surface (fixture flange)
- Install lens, lens retainer (or replacement accessory), and fasteners
- Using an alternating torque sequence, tighten fasteners until lens frame seats against housing.



03/11/09

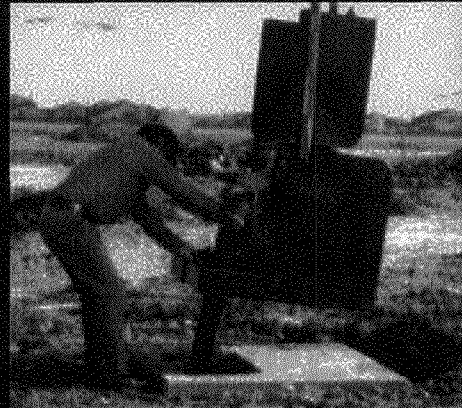
© 2009
LSI INDUSTRIES INC.

Project Name _____ Fixture Type _____
Catalog # _____



Quazite[®]

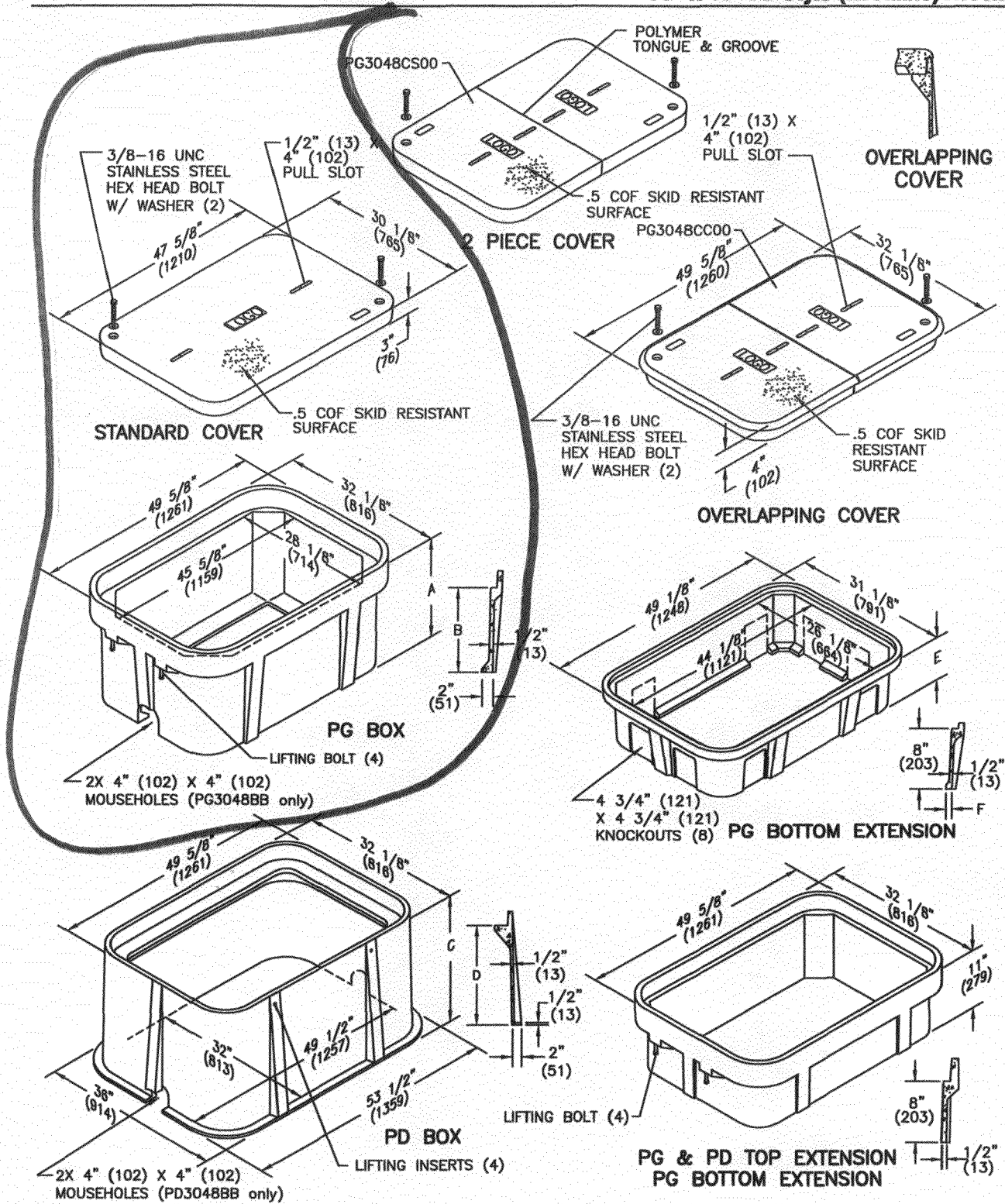
UNDERGROUND ENCLOSURES AND PADS



SPECIFICATIONS/DATA

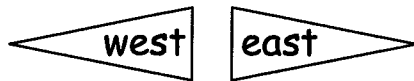
30" x 48" PG Style (Stackable) Assembly

30" x 48" PD Style (Nestable) Assembly



ENCLOSURE DRAWINGS





Trim old Stucco here

new 2
Coat Stucco Wall Finish

Concrete Block Wall
Primed and Painted

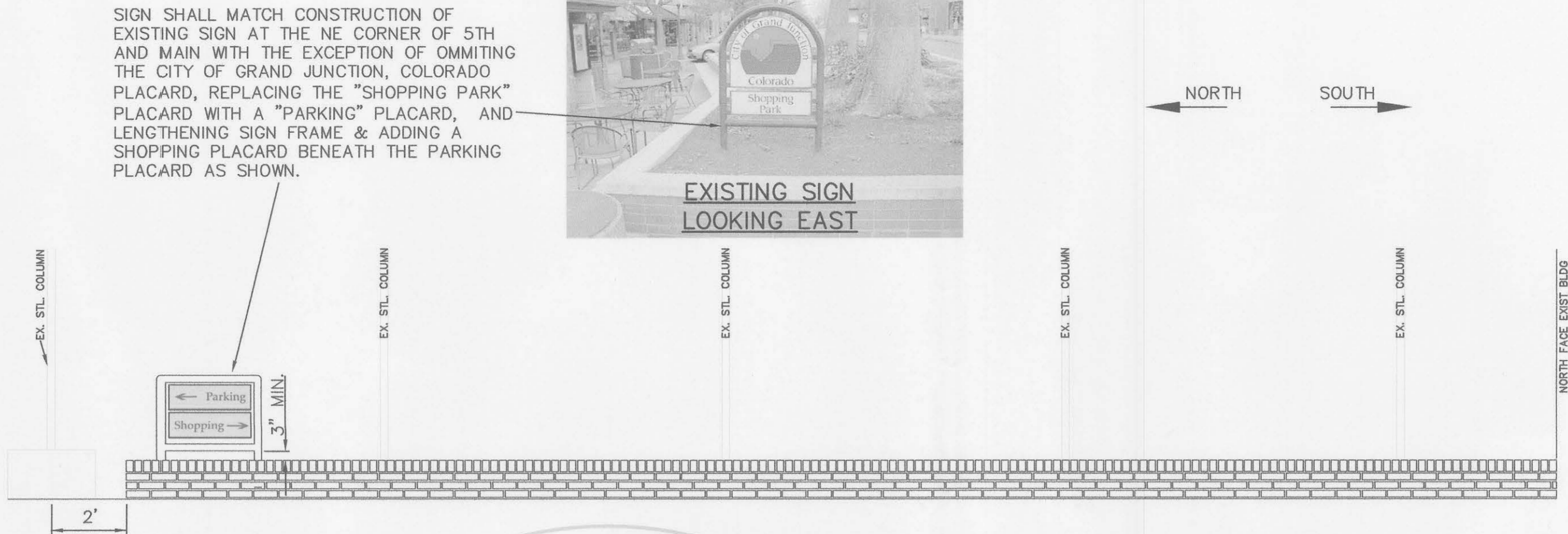
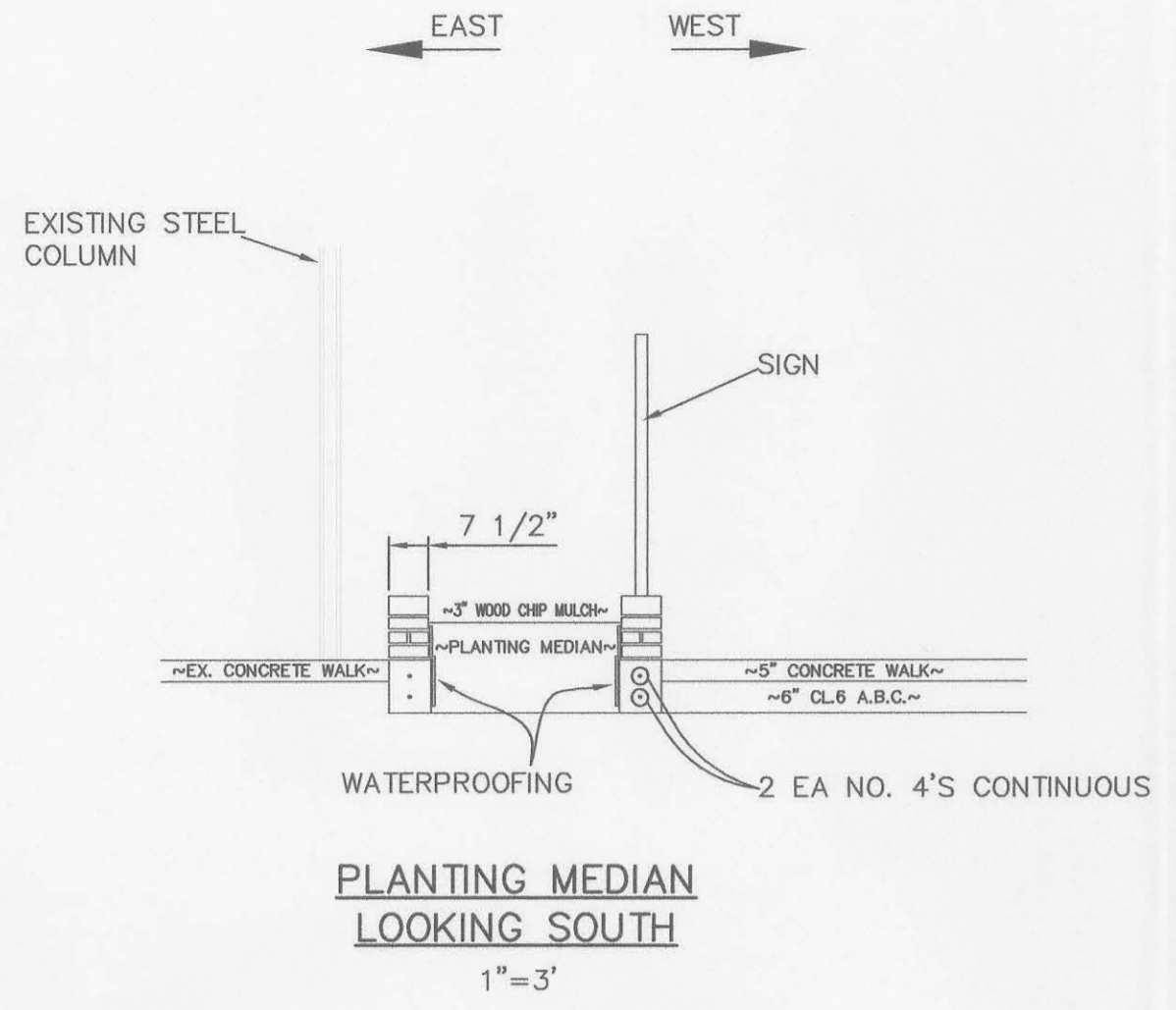
Caulk
5" Expansion Material
Water Proof Mastic

Caulk
5" Expansion Material
Water Proof Mastic

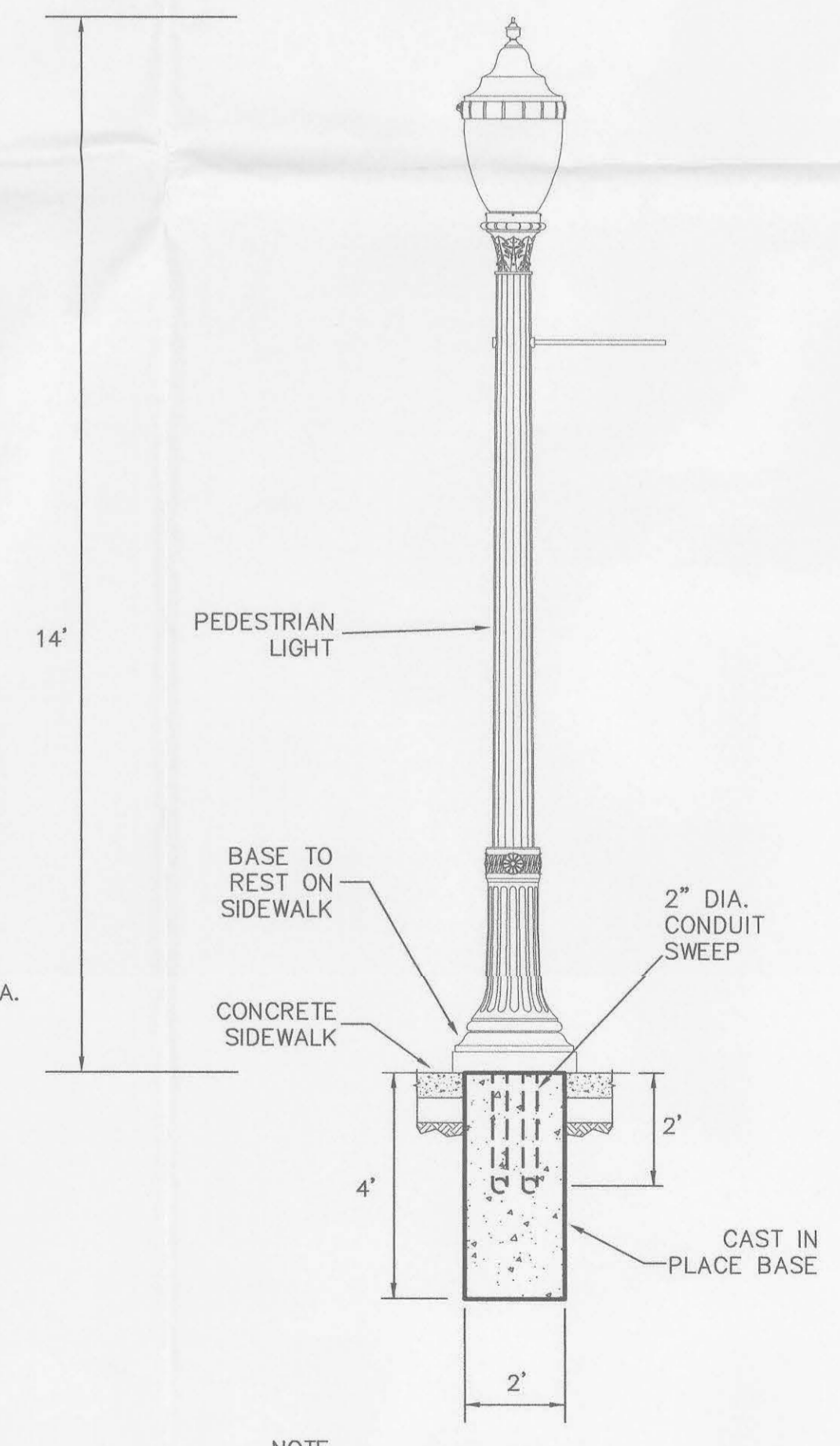
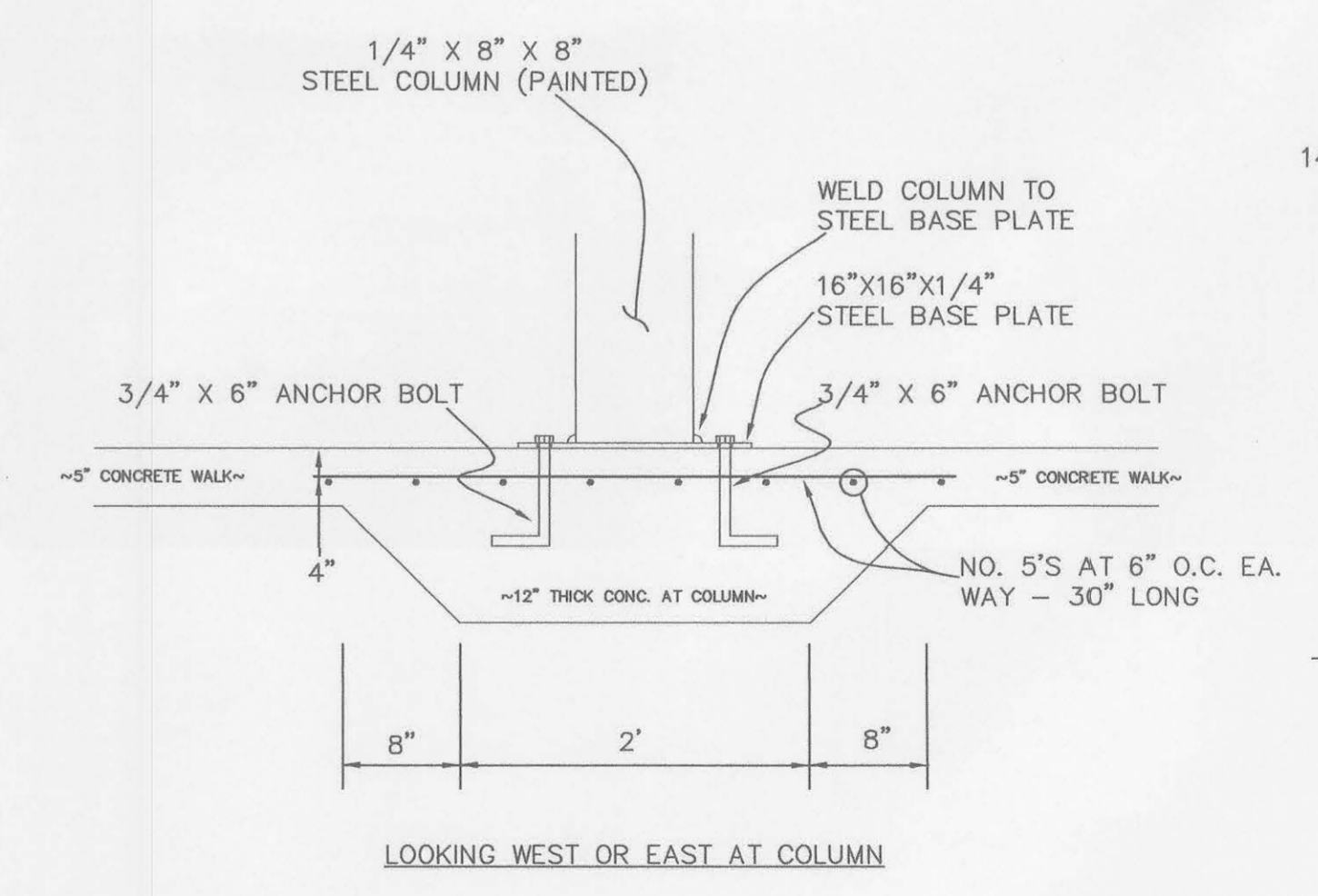
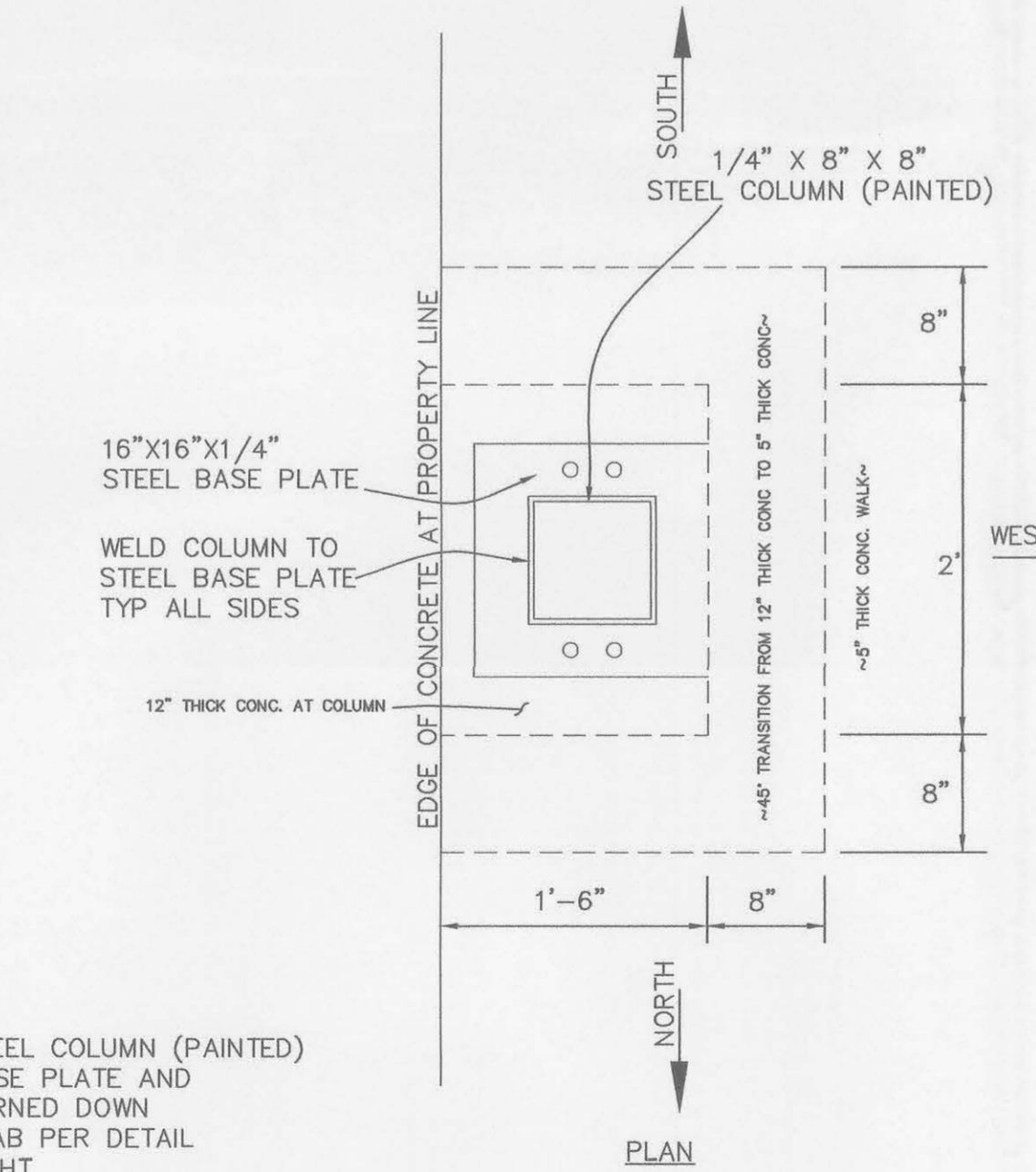
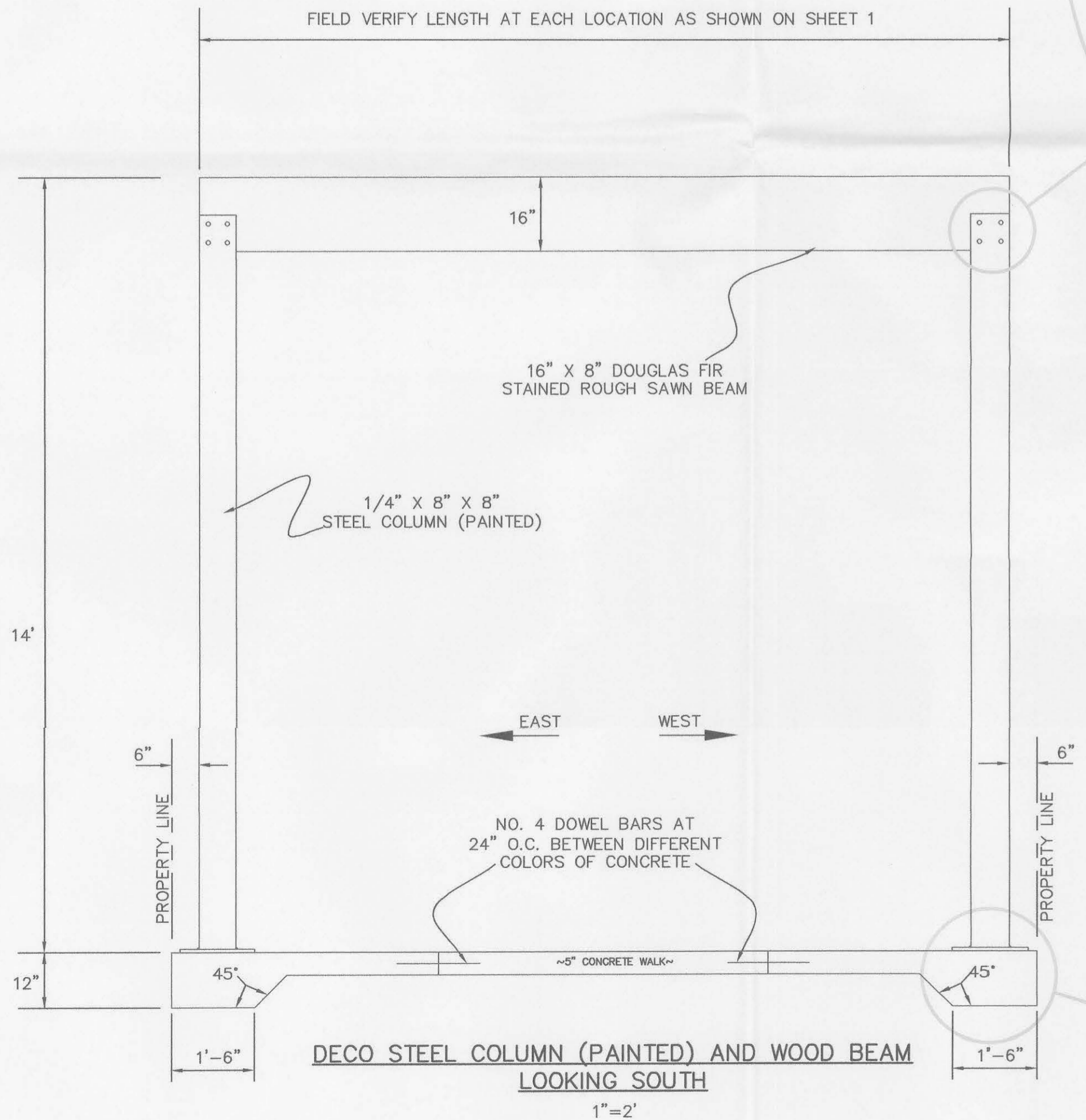
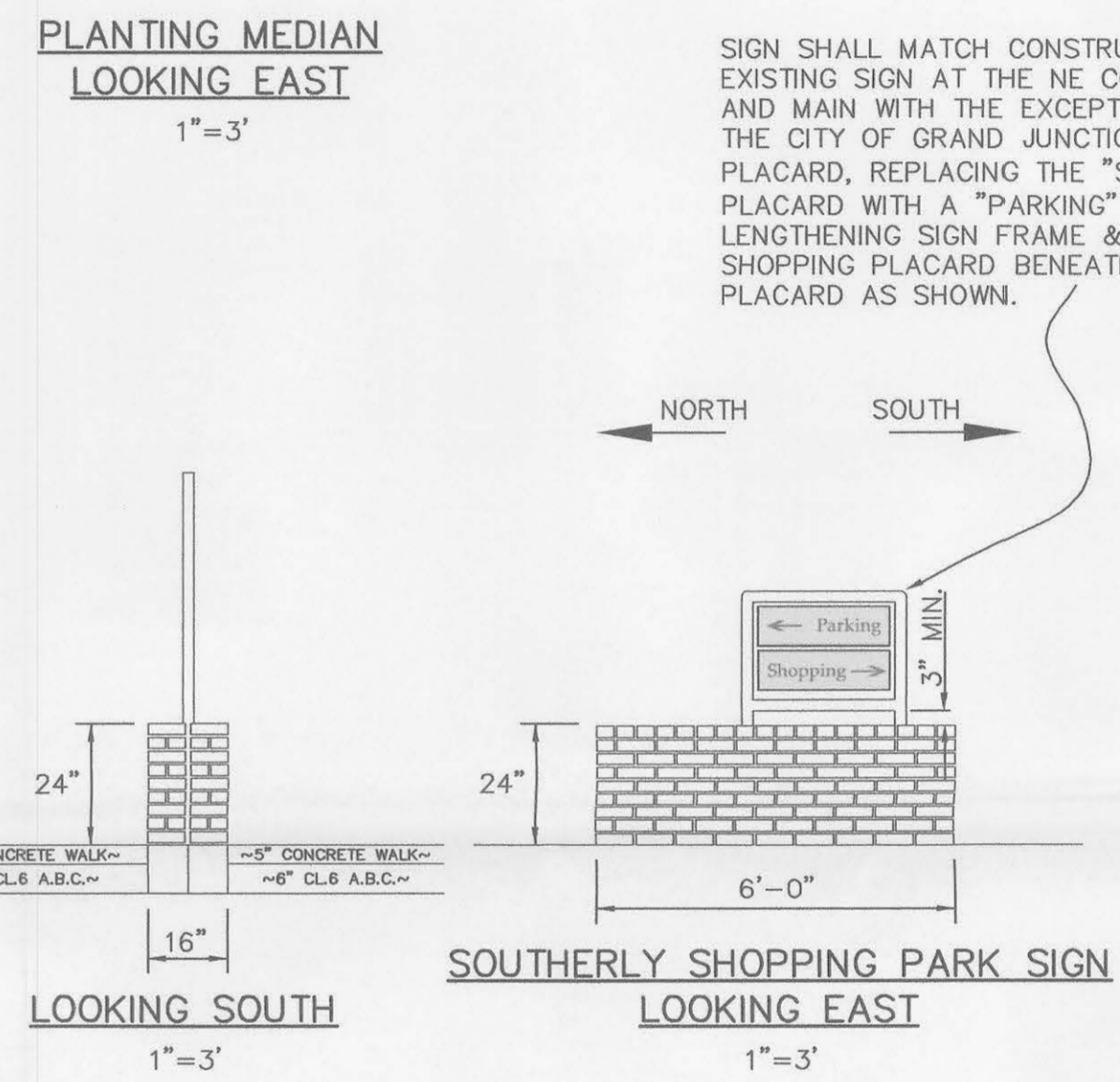
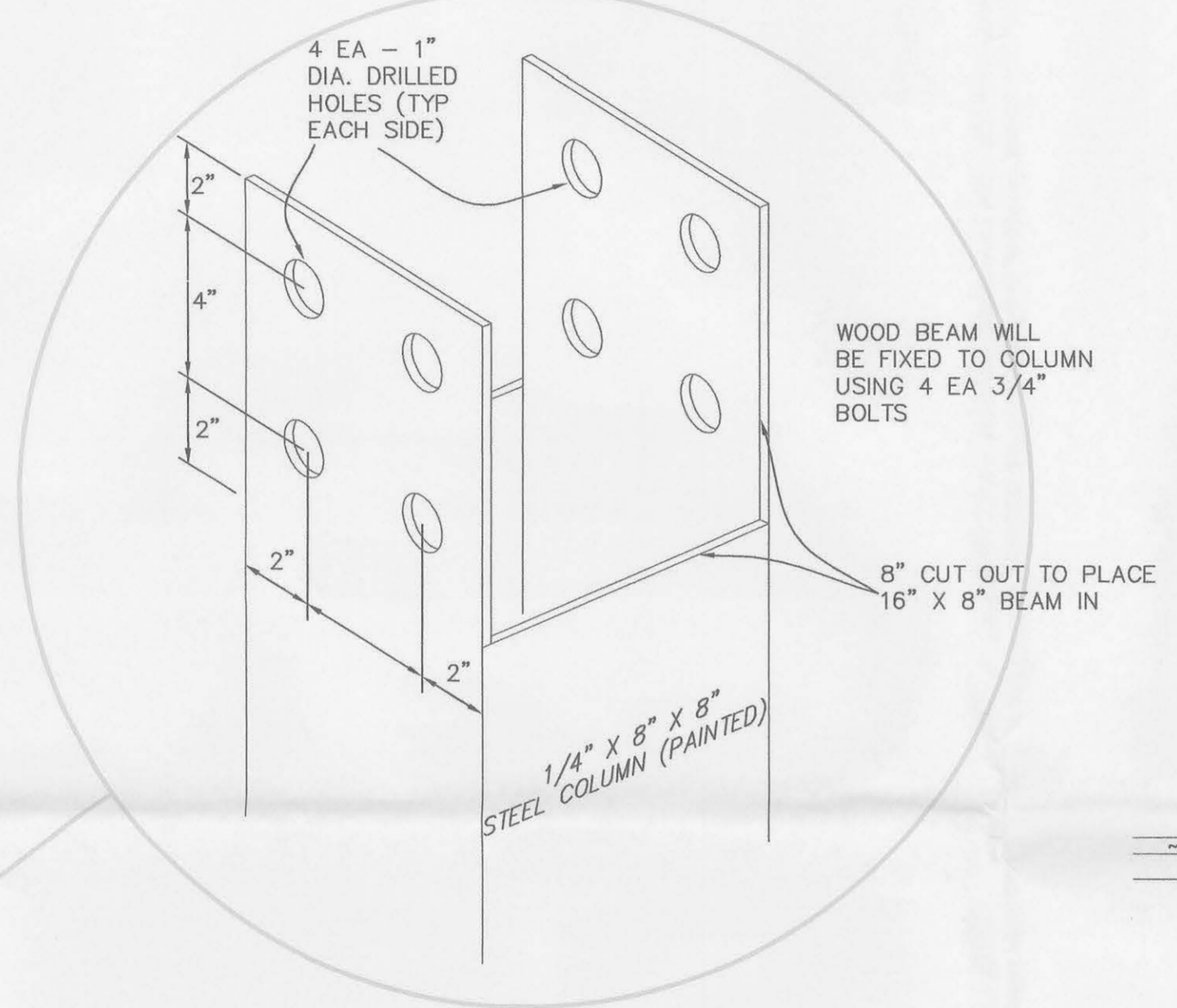
5" Conc Breezeway

6" A.B.C.

12"



SIGN SHALL MATCH CONSTRUCTION OF EXISTING SIGN AT THE NE CORNER OF 5TH AND MAIN WITH THE EXCEPTION OF OMITTING THE CITY OF GRAND JUNCTION, COLORADO PLACARD, REPLACING THE "SHOPPING PARK" PLACARD WITH A "PARKING" PLACARD, AND LENGTHENING SIGN FRAME & ADDING A SHOPPING PLACARD BENEATH THE PARKING PLACARD AS SHOWN.



NOTE
LIGHT POLE AND BASE BY XCEL ENERGY.
LOCATION AND DETAIL SHOWN FOR COORDINATION PURPOSES

| REVISION | DESCRIPTION | DATE | DRAWN BY | DATE | SCALE |
|----------|-------------|------|-------------|------|----------|
| REVISION | | | DESIGNED BY | DATE | AS SHOWN |
| REVISION | | | CHECKED BY | DATE | |
| REVISION | | | APPROVED BY | DATE | |



PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

440 MAIN STREET BREEZEWAY
DETAILS

2945-143-16-012
 LOUIS BUCKLIN
 C/O GORMLEY INV CO
 2311 FAIRWOOD PL
 GRAND JUNCTION, CO 81506

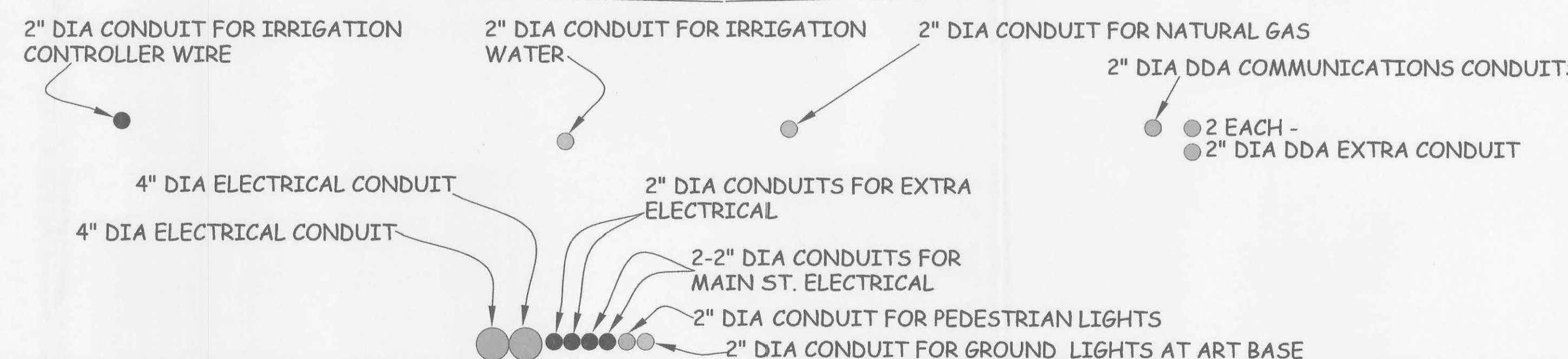
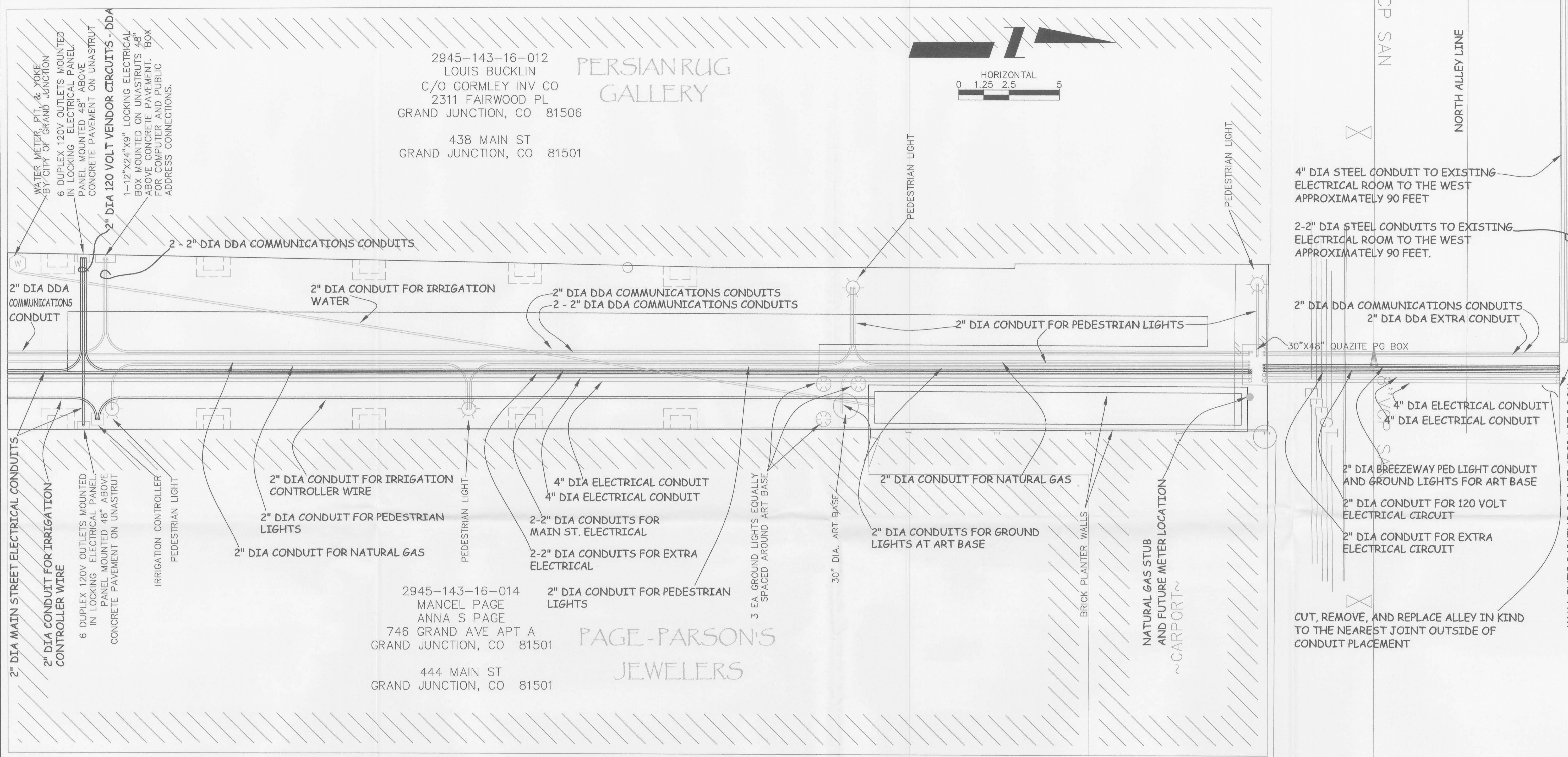
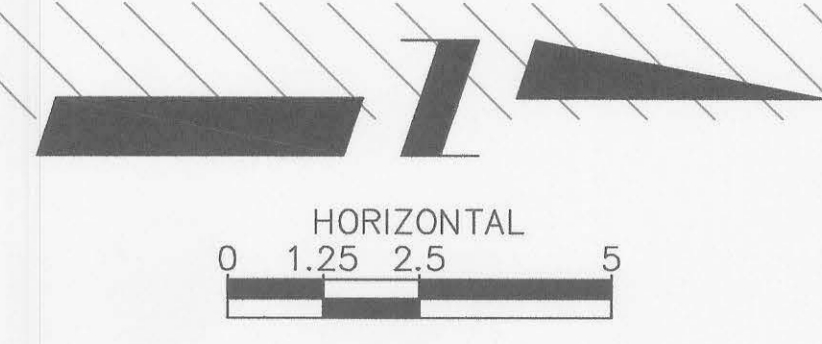
438 MAIN ST
 GRAND JUNCTION, CO 81501

PERSIAN RUG
 GALLERY

2945-143-16-014
 MANCEL PAGE
 ANNA S PAGE
 746 GRAND AVE APT A
 GRAND JUNCTION, CO 81501

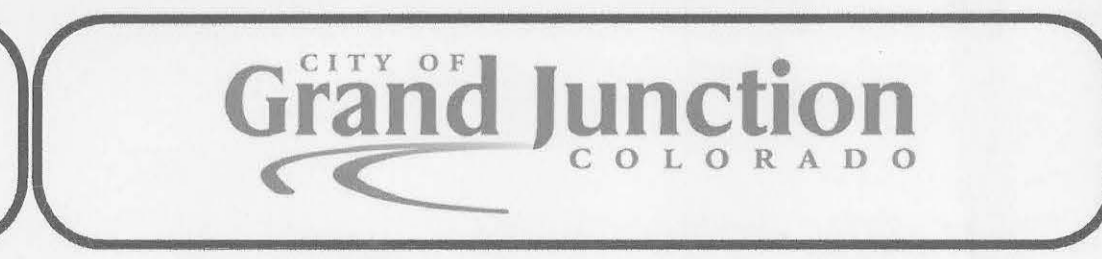
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 GRAND JUNCTION, CO 81501

PAGE-PARSON'S
 JEWELERS



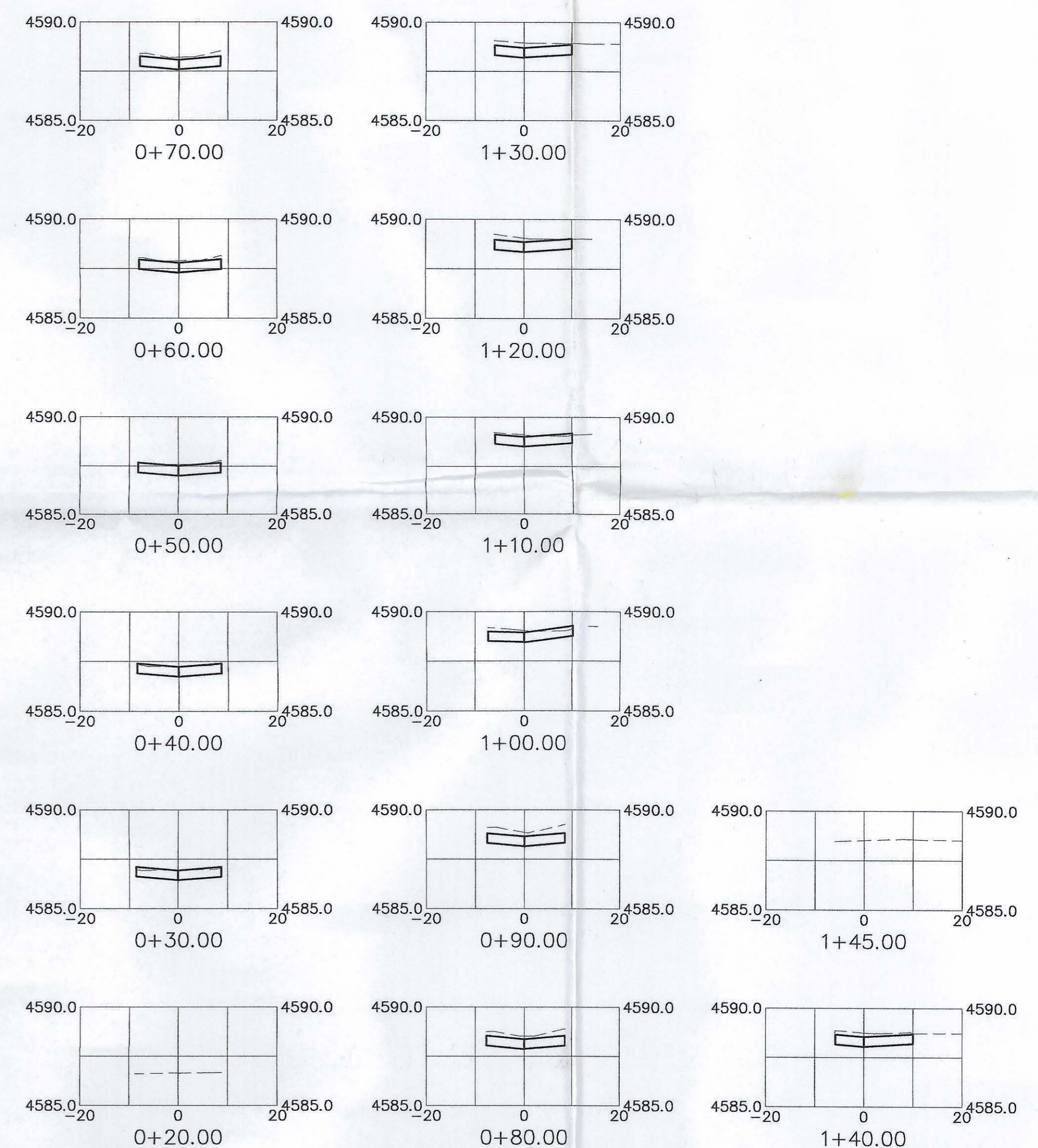
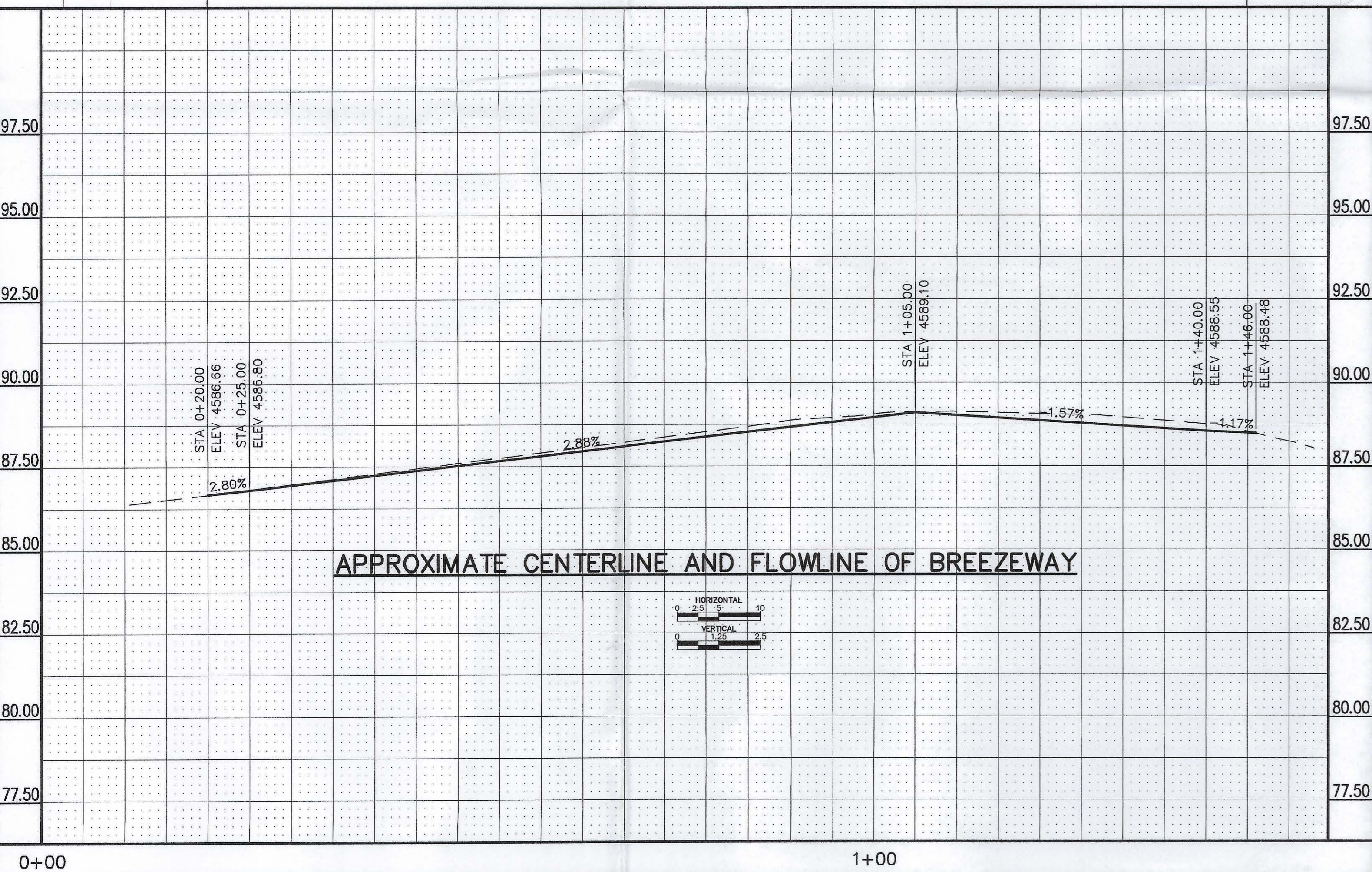
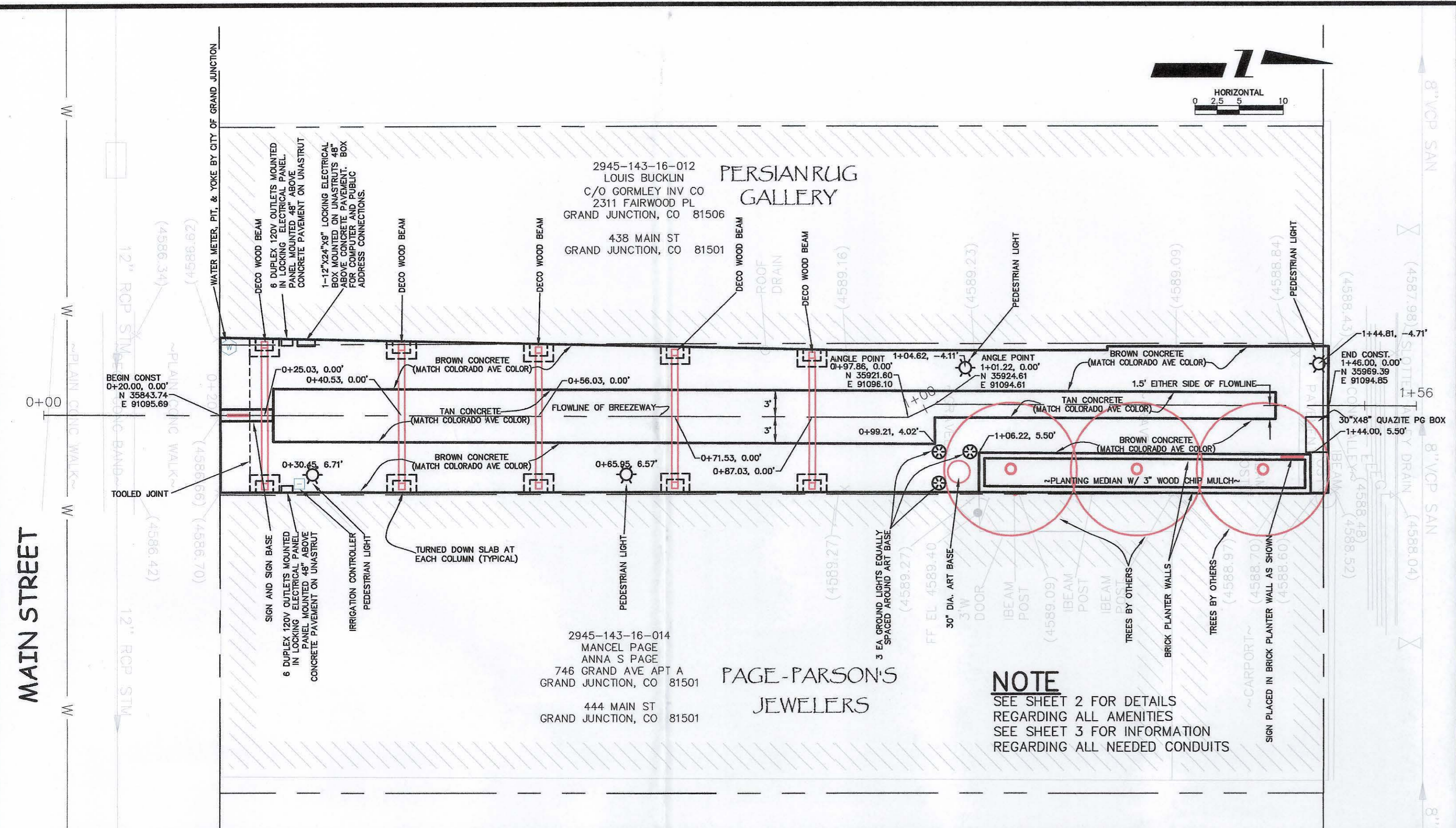
| REVISION | DESCRIPTION | DATE | DRAWN BY | DATE |
|----------|-------------|------|----------|------|
| REVISION | | | JCS | 2009 |
| REVISION | | | MB | 2009 |
| REVISION | | | | |
| REVISION | | | | |

SCALES:
 AS SHOWN



PUBLIC WORKS
 AND UTILITIES
 ENGINEERING DIVISION

440 MAIN STREET BREEZEWAY
 CONDUIT PLAN



NOTE
MINIMUM CROSS SLOPE TOWARD FLOWLINE SHALL BE 1% AND MAXIMUM SLOPE SHALL BE 5%

| REVISION | DESCRIPTION | DATE | DRAWN BY | DATE |
|----------|-------------|------|----------|------|
| REVISION | | | JCS | 2009 |
| REVISION | | | JCS/MB | 2009 |
| REVISION | | | | |
| REVISION | | | | |

SCALES: AS SHOWN



PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

440 MAIN STREET BREEZEWAY PLAN, PROFILE, AND CROSS SECTIONS