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- GENERAL INSTALLATION AND BID NOTES**
1. ALL CONSTRUCTION SHALL BE PER APPLICABLE FDOT 2010 "DESIGN STANDARDS" AND "STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION"
 2. ELECTRICAL INSTALLATION SHALL INCLUDE PERMITTING, EXISTING ELECTRICAL PANEL UPGRADE, CONDUITS, CONDUCTORS AND ALL NECESSARY COMPONENTS FOR A 100 PERCENT INSTALLED AND OPERATIONAL LIGHTING SYSTEM. LIGHTING SYSTEM SHALL BE INSTALLED PER APPLICABLE 2010 FDOT INDEXES 17500, 17501, 17504 & 17721.
 3. CONCRETE BARRIER WALLS AND LIGHTING PILASTERS SHALL BE CONSTRUCTED IN ACCORDANCE TO THE APPLICABLE 2010 FDOT "DESIGN STANDARDS" INDEX 410 AND THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND AS AMENDED BY THE PLANS.

DATE		BY	REVISIONS DESCRIPTION
8/23/10		MAM	PER MSTU 8/19/10 MTG. COMMENTS
9/20/10		MAM	PER CC 9/20-10 EMAIL



COLLIER COUNTY TRANSPORTATION
ALTERNATE TRANSPORTATION MODES
*LELY GOLF ESTATES
BEAUTIFICATION, M.S.T.U.*

*DORAL CIRCLE BRIDGE
IMPROVEMENTS
CONSTRUCTION PLANS*

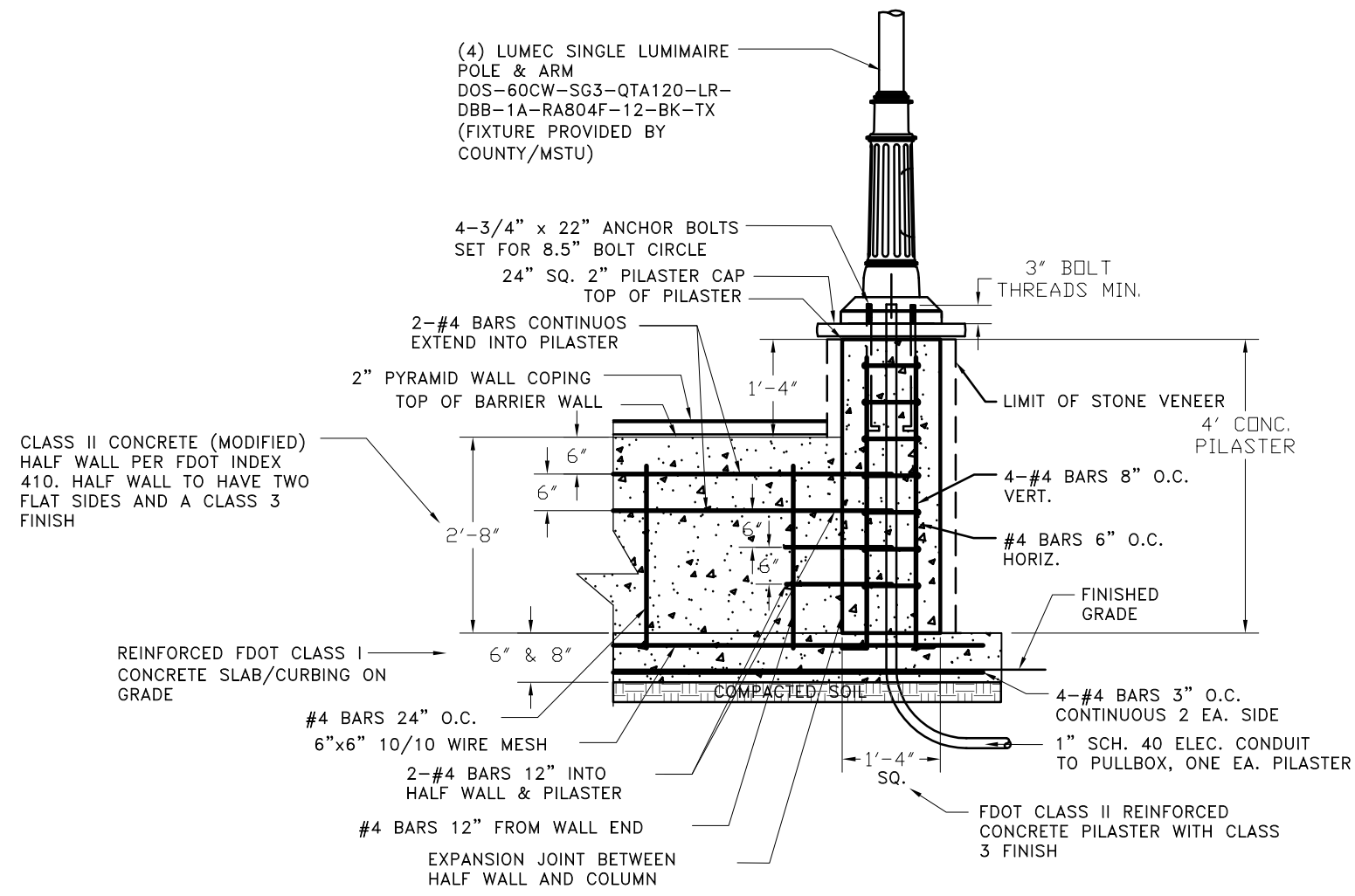
SHEET NO.
LD-1

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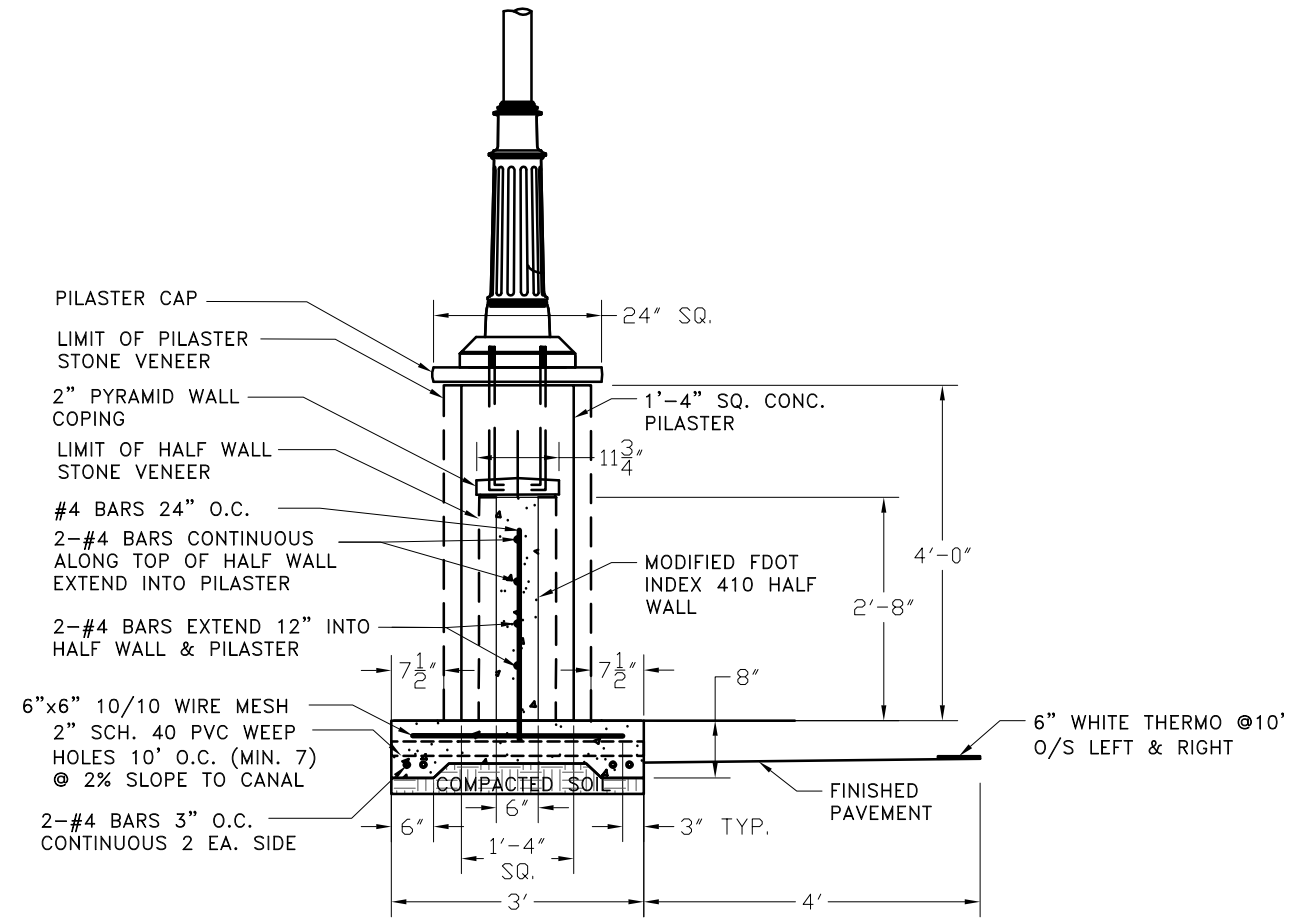
CONCRETE CONSTRUCTION INSTALLATION AND BID NOTES

1. ALL CONSTRUCTION SHALL BE PER APPLICABLE FDOT 2010 "DESIGN STANDARDS" AND "STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION"
2. CONCRETE BARRIER WALLS AND LIGHTING PILASTERS SHALL BE CONSTRUCTED IN ACCORDANCE TO THE APPLICABLE 2010 FDOT "DESIGN STANDARDS" INDEX 410 AND THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND AS AMENDED BY THE PLANS.
3. CONTRACTOR IS TO PROVIDE MAINTENANCE OF TRAFFIC AND TEMPORARY BARRIERS AS REQUIRED DURING CONSTRUCTION.

ITEM #	Key	Description, Size & Specification	Unit	Qty.
1		MAINTENANCE OF TRAFFIC & TEMPORARY BARRIERS per County & FDOT Policy	L.S.	1
2		AS-BUILT/RECORD PLANS per Contract Documents	L.S.	1
BRIDGE MATERIALS				
3		FDOT CLASS I CONCRETE 6" & 8" DEPTH REINFORCED CONCRETE SLAB/CURBING	S.Y.	48
4		FDOT MODIFIED BARRIER HALF WALL PER INDEX 410, CLASS II REINFORCED CONCRETE WITH CLASS 3 FINISH	L.F.	138
5		16" SQ. X 48" HT. REINFORCED CONCRETE PILASTER, FDOT CLASS II CONCRETE WITH CLASS 3 FINISH TO INCLUDE ELECTRIC CONDUIT AND SETTING OF LIGHTING ANCHOR BOLTS. (BOLTS SUPPLIED BY COUNTY/MSTU)	Ea.	4
6		HALF WALL AND PILASTER WITH STONE VENEER FINISH, TEJAS TEXTURED STONE "CHARDONNAY" LEDGER STONE WITH NO MORTAR JOINTS, INSTALL PER PLANS, MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS	S.F.	804
7		HALF WALL COPING, TEJAS TEXTURED STONE 2" PYRAMID WALL COPING, CREAM COLOR	L.F.	138
8		PILASTER CAPSTONE, TEJAS TEXTURED STONE 2.25" FLAT PILASTER CAP, 29" SQ., CREAM COLOR	Ea.	4
9		TRENCHED 1.25" SCH. 40 PVC ELECTRIC CONDUIT WITH SWEEPS AND FITTINGS PER FDOT SPECIFICATIONS & INDEXES	L.F.	475
10		1.25" SCH. 40 PVC ELECTRIC CONDUIT WITH CONDUCTORS BY DIRECTIONAL BORE	L.F.	40
11		TRENCHED & IN PILASTER 1" SCH. 40 PVC ELECTRIC CONDUIT WITH SWEEPS AND FITTINGS PER FDOT SPECIFICATIONS & INDEXES	L.F.	60
12		TRAFFIC RATED WIRING PULL BOXES PER FDOT SPECIFICATIONS & INDEXES	Ea.	5
13		HANDLING, ASSEMBLY, WIRING, FUSING AND COMPLETE INSTALLATION OF LIGHT FIXTURES, (COUNTY TO PURCHASE FIXTURES)	Ea.	4
14		ELECTRICAL CONDUCTORS SIZED FOR PROPER VOLTAGE AND DISTANCE REQUIREMENTS, CONDUCTORS PER FDOT SPECIFICATIONS FOR STREET LIGHTING (4 CONDUCTORS MIN.)	L.F.	2200
15		UPGRADE EXISTING ELECTRICAL PANEL FOR PROPOSED LIGHTING FIXTURES TO INCLUDE ALL PERMITS, DRAWINGS AND COMPONENTS FOR A 100% FULLY OPERATIONAL AND PERMITTED ELECTRICAL SYSTEM	Ea.	1
16		REMOVE & STORE (16-sections) EXISTING TEMPORARY CONCRETE BARRIERS FOR PICK UP BY OWNER (HASKINS, INC)	L.F.	192
17	ALTERNATE	1.25" SCH. 40 PVC ELECTRIC CONDUIT BY DIRECTIONAL BORE	L.F.	188
18	By County	LUMEC DOS-60CW-SG3-QTA120-LR-DBB-1A-RA804F-12-BK-TX	Ea.	4



**EAST AND WEST SECTION/ELEVATION
BARRIER WALL & LIGHT PILASTER DETAIL
SCALE: nts**

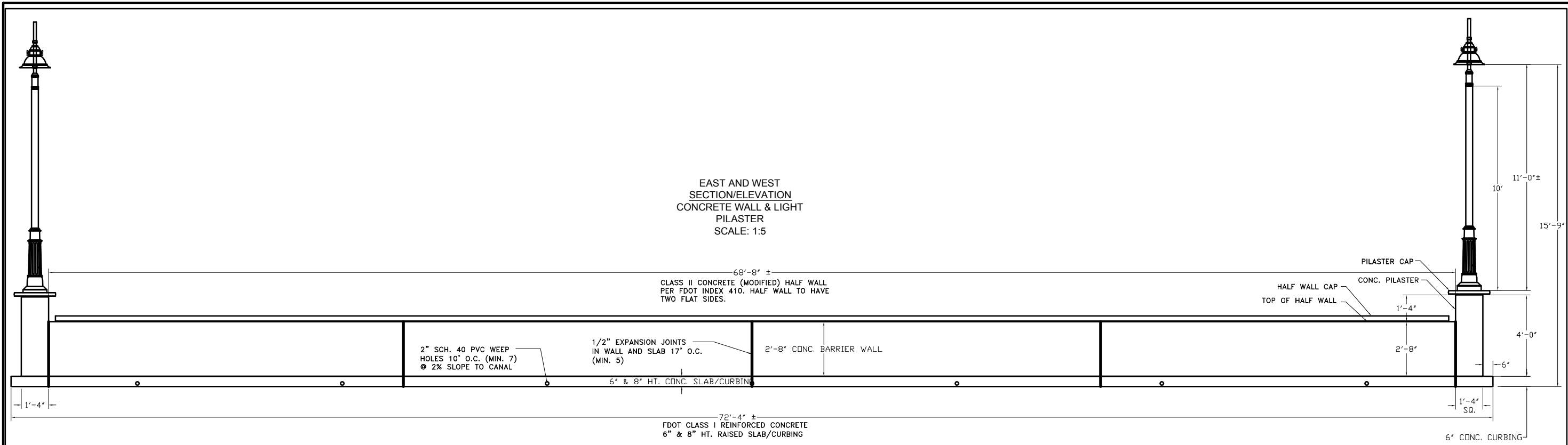


**NORTH AND SOUTH SECTION/ELEVATION
BARRIER WALL & LIGHT PILASTER DETAIL
SCALE: nts**

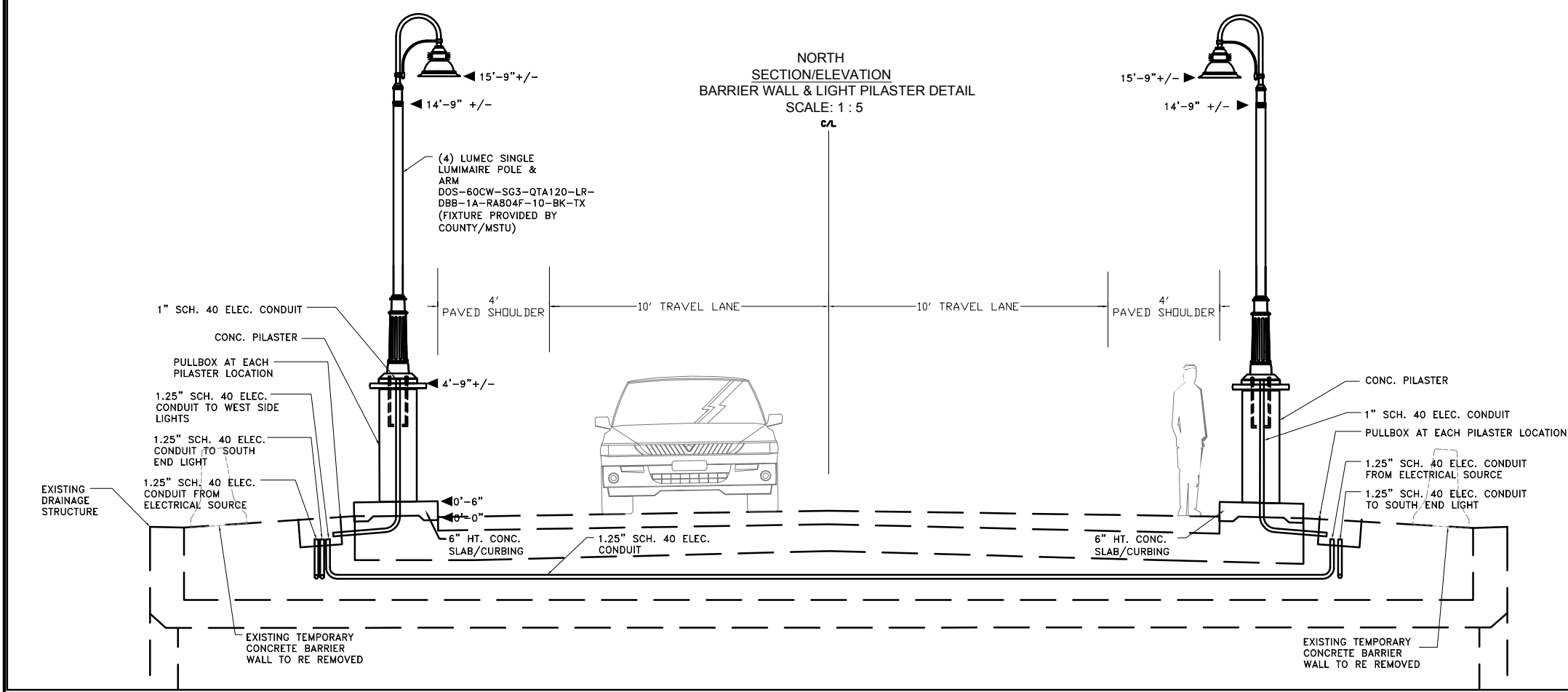
<table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>REVISIONS DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>8/23/10</td> <td>MAM</td> <td>PER MSTU 8/19/10 MTG. COMMENTS</td> </tr> <tr> <td>9/20/10</td> <td>MAM</td> <td>PER CC 9/20-10 EMAIL</td> </tr> </tbody> </table>		DATE	BY	REVISIONS DESCRIPTION	8/23/10	MAM	PER MSTU 8/19/10 MTG. COMMENTS	9/20/10	MAM	PER CC 9/20-10 EMAIL	<p>McGee & Associates Landscape Architecture DESIGN • ENVIRONMENTAL MANAGEMENT • PLANNING 5079 Tamiami Trail East • Naples, Florida 34113 Phone: (239) 417-0707 Fax: (239) 417-0708 Certificate of Authorization LC-000088 - Michael A. McGee, LA-0000864</p>	<p>COLLIER COUNTY TRANSPORTATION ALTERNATE TRANSPORTATION MODES</p> <p>LELY GOLF ESTATES BEAUTIFICATION, M.S.T.U.</p>	<p>DORAL CIRLCE BRIDGE IMPROVEMENTS CONSTRUCTION PLANS</p>	<p>SHEET NO. LD-2</p>
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NORTH SECTION/ELEVATION
BARRIER WALL & LIGHT PILASTER DETAIL
SCALE: 1:5



ELECTRICAL & LIGHTING BID & INSTALLATION NOTES:

- A. CONTRACTOR IS TO PROVIDE ALL PERMITS AND DRAWINGS TO SECURE PERMITS, AS WELL AS ALL UNDERGROUND AND ABOVE GROUND ELECTRICAL COMPONENTS, MATERIALS, AND LABOR IN ORDER TO PROVIDE FOR A 100% OPERATIONAL ELECTRIC AND LIGHTING SYSTEM MEETING THE NATIONAL, STATE, AND COUNTY ELECTRICAL AND BUILDING CODES. INSTALLATION SHALL BE IN GENERAL COMPLIANCE TO FDOT INDEXES RELATED TO STREET LIGHTING INSTALLATIONS.
- B. IT IS NOT THE PURPOSE OF THESE PLANS TO SHOW ALL DETAILS OF CONSTRUCTION, ONLY THE INTENT. THE ELECTRICAL CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS SUCH AS HARDWARE, J-BOXES, CONDUIT, FITTINGS, ETC., AS NECESSARY FOR A COMPLETE ELECTRICAL SYSTEM IN WORKING ORDER PER ALL ELECTRICAL CODES.
- C. ALL SYSTEM EQUIPMENT AND COMPONENTS SHALL BE UL APPROVED.
- D. LIGHT FIXTURES
HANDLE AND INSTALL 4 LUMEC
DOS-60CW-SG3-QTA120-LR-DBB-1A-RA804F-10-BK-TX. COUNTY/MSTU SHALL PURCHASE AND SHIP TO CONTRACTOR'S LOCATION. ANCHOR BOLTS TO BE SUPPLIED BY COUNTY/MSTU CONTRACTOR TO HANDLE AND SET IN PILASTERS.
- E. ELECTRICAL CONDUIT AND PULL BOXES
ALL CONDUIT SHALL BE SCH. 80 OR SCH. 40 PVC ELECTRICAL GRAY CONDUIT AND FITTINGS. ALL PULL BOXES SHALL BE FDOT APPROVED AND TRAFFIC RATED.
- F. ELECTRICAL CONDUCTORS
ALL CONDUCTORS/WIRES SHALL BE COATED COPPER THHN WITH QUANTITY AND SIZE BASED UPON BUILDING/ELECTRICAL CODES, CIRCUITS, LOAD, VOLTAGE DROP, DISTANCE OF RUN, AND EQUIPMENT MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
- G. CONTRACTOR SHALL MODIFY TO UPGRADE THE EXISTING ELECTRICAL SERVICE PANEL FOR THE 4 ADDITIONAL LIGHTS BEING ADDED. UPGRADE SHALL INCLUDE PHOTOCCELL CONTROL SWITCH FOR LIGHTS MOUNTED TO TOP OF SERVICE PANEL.

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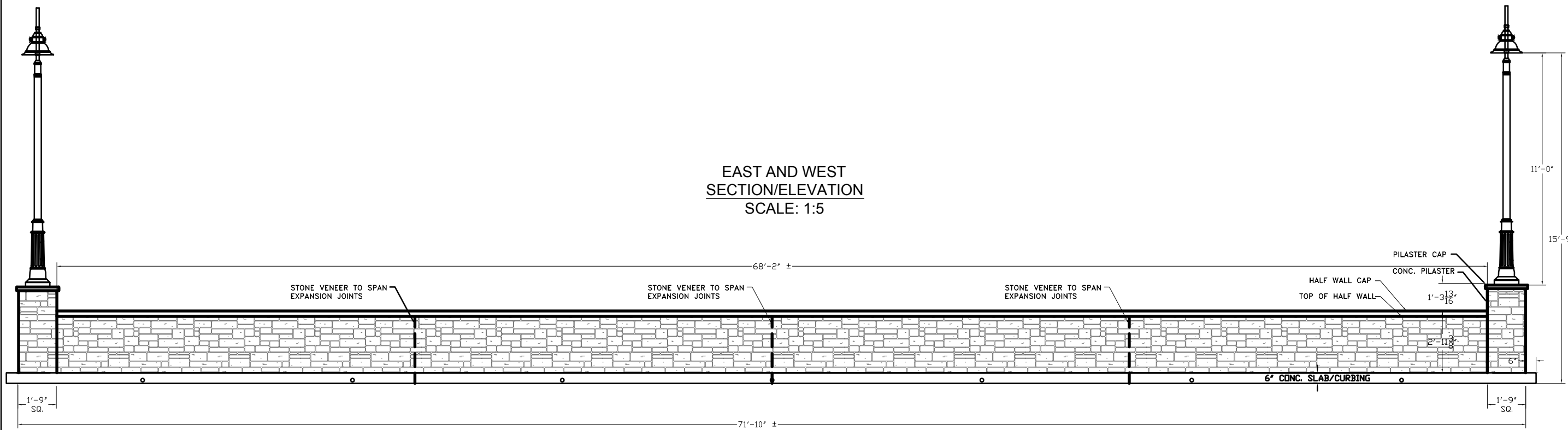
DORAL CIRLCE BRIDGE
IMPROVEMENTS
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SHEET
NO.

LD-3

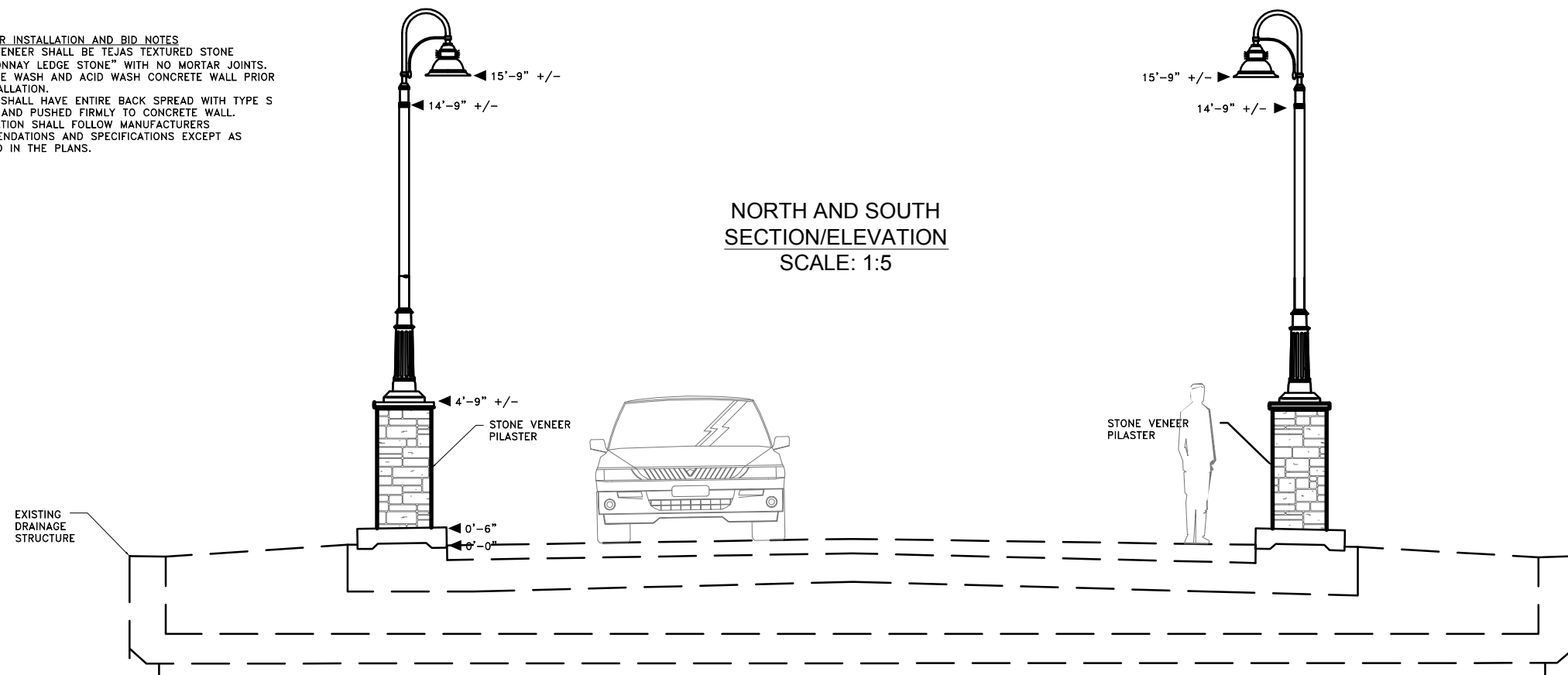
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EAST AND WEST
SECTION/ELEVATION
SCALE: 1:5



- STONE VENEER INSTALLATION AND BID NOTES**
1. STONE VENEER SHALL BE TEJAS TEXTURED STONE "CHARDONNAY LEDGE STONE" WITH NO MORTAR JOINTS.
 2. PRESSURE WASH AND ACID WASH CONCRETE WALL PRIOR TO INSTALLATION.
 3. STONES SHALL HAVE ENTIRE BACK SPREAD WITH TYPE S MORTAR AND PUSHED FIRMLY TO CONCRETE WALL.
 4. INSTALLATION SHALL FOLLOW MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS EXCEPT AS AMENDED IN THE PLANS.

NORTH AND SOUTH
SECTION/ELEVATION
SCALE: 1:5



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