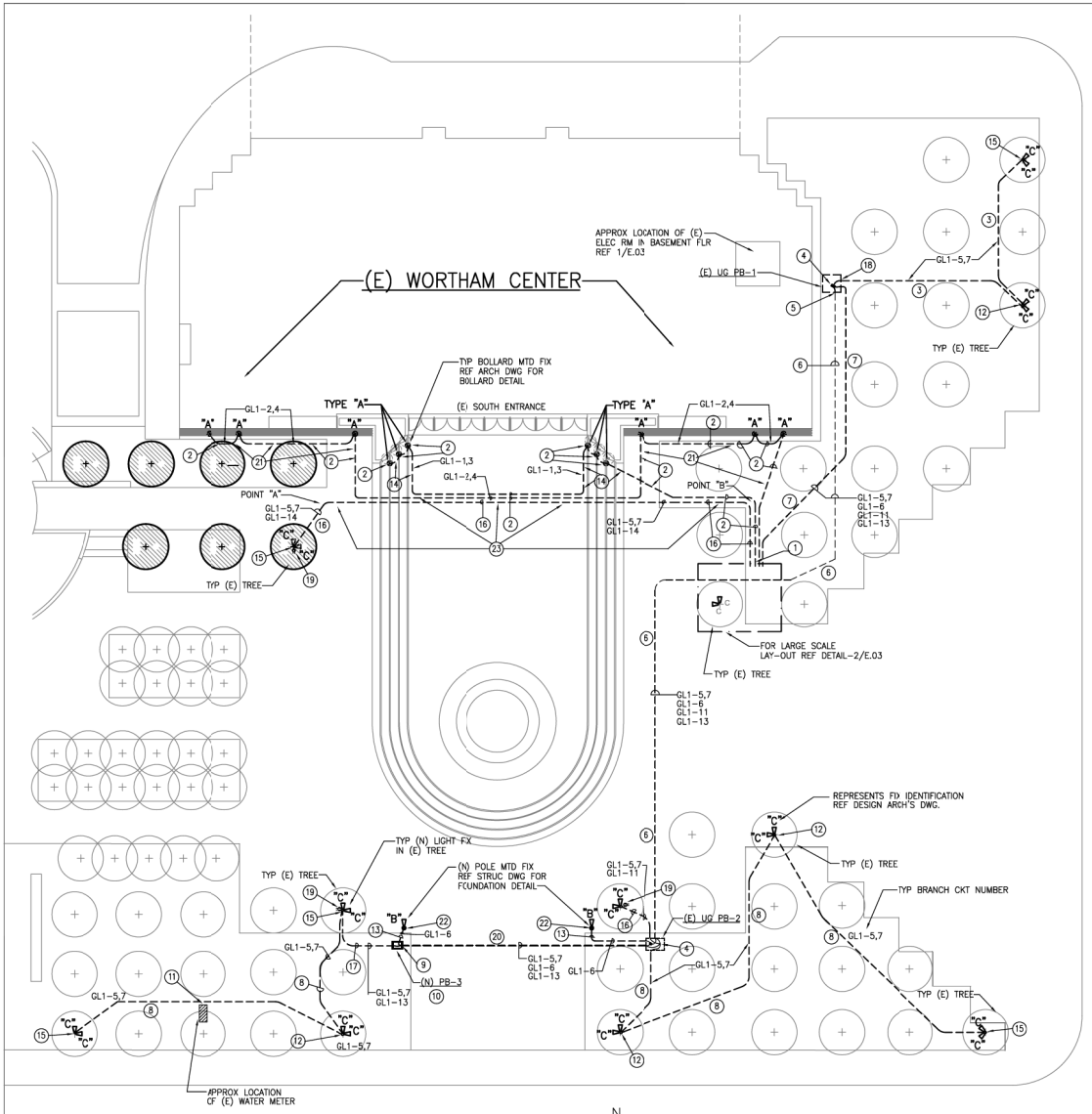

1 SITE LIGHTING PLAN
SCALE: 1/16"=1'-0"

N

PLAN KEYED NOTES FOR SITE LIGHTING:

1. FOR CONT REF DETAIL-2/E.03
2. 1-1/4" UG COND WITH 2, #6 PH AND 1, #10 GND WIRES
3. 1-1/4" UG COND WITH 2, #10 PH AND 1, #10 GND WIRES
4. SPLICE (N) UG LIGHTING BRANCH CKT CONDUCTORS IN (E) PB.
5. FIELD TRACE (E) 4" UG EMPTY COND BETWEEN (E) PB-1 AND (E) PB-2.
6. INSTALL THE FOLLOWING (N) BRANCH CKTs WIRING IN (E) 4" EMPTY COND:
   - 2, #6 PH AND 1, #8 GND FOR CKT GL1-5, 7 (TO SERVE TREE LIGHTS)
   - 2, #10 (PH, NEUT) AND 1, #12 GND FOR CKT GL1-6 (TO SERVE POLE MTD FIXs)
   - 6, #10 (2 PH, 2 NEUT, 2 GND) FOR CKT GL1-11, 13 (TO SERVE TREE TRUNK MTD RECPs)
7. INSTALL THE FOLLOWING (N) BRANCH CKTs WIRING IN (N) 2" UG COND:
   - 2, #6 PH AND 1, #8 GND FOR CKT GL1-5, 7 (TO SERVE TREE LIGHTS)
   - 2, #10 (PH, NEUT) AND 1, #12 GND FOR CKT GL1-6 (TO SERVE POLE MTD FIXs)
   - 6, #10 (2 PH, 2 NEUT, 2 GND) FOR CKT GL1-11, 13 (TO SERVE TREE TRUNK MTD RECPs)
8. 1-1/4" UG COND WITH 2, #6 PH, AND 1, #8 GND WIRES.
9. APPROX LOCATION OF (E) UG COND TERMINATION. FIELD LOCATE EXACT COND TERMINATION BEFORE INSTALLATION OF (N) PB. (N) PB SHALL HAVE AN OPENING AND SHALL BE INSTALLED SUCH THAT (E) UG COND TERMINATES INSIDE (N) PB. SEALED OFF CONDs OPENINGS WATER-TIGHT.
10. (N) 30" LONG X 24" WIDE X 30" DEEP CONC PB, REF DWG E.01 FOR UG PB DETAIL.
11. FIELD COORDINATE WITH (E) UG WATER LINE TO AVOID CONFLICTS.
12. TYP 2, 1"ø RGS CONDs WITH CONDUCTORS ON TREE TRUNK TO NEMA-3R CAST BOX, REF DETAIL-2/E.01
13. 1-1/4" UG COND WITH 2, #10 (PH, NEUT) AND 1, #12 GND WIRES, CKT GL1-6.
14. HAND DIG TRENCH FOR INSTALLATION OF UG CONDs. FOR REMOVAL AND REINSTALLATION OF (E) PAVERS AND PLAZA GRANITE AND CUTTING/PATCHING OF (E) UG CONC SLAB AND PAVING (FOR INSTALLATIONS OF NEW UG CONDs), REF TO ARCH DWG.
15. TYP 1"ø RGS COND(s) (WHERE APPLICABLE) WITH CONDUCTORS ON TREE TRUNK TO NEMA-3R CAST BOX, REF DETAIL-2/E.01
16. 1-1/4" UG COND WITH 2, #10 PH AND 1, #10 GND WIRES (TO SERVE TREE LIGHTS) AND 3, #10 (PH, NEUT, GND) TO SERVE TRUNK MTD ELECTRICAL RECP.
17. 1-1/4" UG COND WITH 2, #6 PH AND 1, #8 GND WIRES (TO SERVE TREE LIGHTS) AND 3, #10 (PH, NEUT, GND) TO SERVE TRUNK MTD ELECTRICAL RECPs.
18. CORE DRILL (E) PB WALL FOR INSTALLATION AND TERMINATION OF (N) COND INSIDE PB.
19. INSTALL (N) 20 AMP, 125V, GFI TYPE DUPLEX RECP ON TREE TRUNK, REF TO DETAIL-2/E.01.
20. INSTALL THE FOLLOWING (N) BRANCH CKTs WIRING IN (E) 4" UG COND, FIELD LOCATED COND:
   - 2, #6 PH AND 1, #8 GND FOR CKT GL1-5, 7 (TO SERVE TREE LIGHTS)
   - 2, #10 (PH, NEUT) AND 1, #12 GND FOR CKT GL1-6 (TO SERVE POLE MTD FIXs)
   - 3 #10 (PH, NEUT, GND) FOR CKT GL1-3 (TO SERVE TREE TRUNK MTD RECPs)
21. HAND DIG TRENCH FOR INSTALLATION OF UG CONDs.
22. PROVIDE FUSE BLOCK AT BASE OF LIGHT POLE (LOCATE WITHIN POLE AT HANDHOLE). PROVIDE WITH DUAL ELEMENT TIME DELAY FUSES. FIX SHALL BE WIRED THRU A FUSE, FUSE SIZE AS RECOMMENDED BY FIX MFR.
23. INSTALL THIS UG COND (CONDs) BY HORIZONTAL BORING UNDER PAVED PLAZA

GENERAL NOTES:

1. ALL LANDSCAPED AREAS HAVE (E) UNDER GROUND CONDs, CABLES, IRRIGATION SYSTEM PIPING, SPRINKLER HEADS, CABLES, WATER METERS ETC. CARE SHALL BE EXERCISED NOT TO CUT AND OR DAMAGE ANY OF THE (E) UTILITY LINE. WHERE NECESSARY HAND DIG TRENCHES FOR INSTALLATIONS OF (N) UG CONDs. ALL DAMAGES CAUSED TO THE (E) IRRIGATION SYSTEM AND/OR TO UTILITY LINES SHALL BE REPAIRED TO CITY OF HOUSTON'S SATISFACTION AT NO EXTRA COST.
2. CAREFULLY HAND DIG A TRENCH AROUND (E) TREE ROOTS WHEN INSTALLING UG CONDs NEAR A TREE. EXTREME CARE SHALL BE EXERCISED NOT TO INJURE AND/OR CUT TREE ROOTS AND/OR DAMAGE ANY TREES. ALL TREE PROTECTION SHALL BE PROVIDED AND CITY INSPECTOR AND DESIGN ARCH SHALL BE CONTRACTED BEFORE DIGGING A TRENCH NEAR A TREE. ALL COST SHALL BE INCLUDED IN BID.
3. ALL CONDs INSTALLED ON TREE TRUNKS AND BRANCHES SHALL BE ¾" RGS WITH RAIN-TIGHT RGS THREADED FITTINGS AND SHALL BE PROPERLY ANCHORED USING HOT DIPPED GALV STEEL HARDWARE WITHOUT CAUSING ANY INJURY TO A TREE. CONTACT DESIGN ARCH BEFORE ANY COND IS INSTALLED ON A TREE.
4. EXACT LOCATIONS OF FIXs IN TREES SHALL BE FIELD VERFIED WITH DESIGN ARCH BEFORE INSTALLATION. EACH FIX SHALL BE AIMED AS PER DESIGN ARCH'S INSTRUCTIONS AT NIGHT. ALL COSTS SHALL BE INCLUDED IN BID.
5. ALL UG CONDs SHALL BE INSTALLED WITH A MIN DIRT COVER OF 18". INSTALL PVC COATED RGS COND WITH PVC COATED RGS FITTINGS WHERE A MIN DIRT COVER OF 18" CAN NOT BE MAINTAINTED. IN NO CASE SHALL DIRT COVER BE LESS THAN 6".
6. ALL ABOVE GROUND CONDUITS SHALL BE RGS WITH RGS FITTINGS
7. FOR ABOVE GROUND INSTALLATIONS: FURNISH AND INSTALL NEMA-3R, RAINTIGHT, COND BODIES WHERE REQUIRED FOR PROTECTION OF CONDUCTOR INSULATION AND EASE OF PULLING CONDUCTORS AT NO EXTRA COST.
8. FIELD OBTAIN EXACT LOCATIONS, ELEVATIONS, AND SIZES OF (E) UG PULL BOXES, WATER METER, ETC.
9. LOCATIONS OF (E) UG CONDs SHOWN IN THIS DWGs ARE APPROX. FIELD OBTAIN EXACT LOCATIONS, ELEVATIONS, AND SIZES OF (E) UG EMPTY CONDs FOR INSTALLATIONS OF (N) BRANCH CKT WIRING. REQUIRED MODIFICATIONS TO (N) BRANCH CKT CONDs AND WIRING SHALL BE MADE AT NO EXTRA COST.
10. (N) UG BRANCH CKTs SHALL BE SPLICED IN PULL BOXES USING WATER-PROOFED SPLICE KITS AS PER KIT MFR'S INSTRUCTIONS.
11. UG COND SERVING FIX TYPE "B" SHALL TERMINATE IN POLE MTD FUSE BLOCK ON SERVICE SIDE OF FUSE IN HANDHOLE ABOVE GRADE. PROPERLY SPLICE BRANCH CKT WIRES TO FIX WIRES IN HANDHOLE ON LOAD SIDE OF FUSE.
12. ALL BRANCH CKTs SERVING BOLLARD MTD FIXs SHALL TERMINATE INSIDE FIX WITH A WATER-PROOF COND CONN AT FIX AS PER FIX MFR'S INSTRUCTIONS.
13. ALL UG CONDs SPECIFIED IN THIS DWG ARE NEW UNLESS NOTED OTHERWISE
14. FOR INSTALLATION OF CONDs ON TYP (E) TREE TRUNK, REF DETAIL-2/E.01.
15. OPENING AROUND CONDs IN (E) AND (N) PBs SHALL BE SEALED OFF WATER-TIGHT USING URETHANE SEALANT.
16. (N) DUPLEX RECP SHALL BE 20 AMP, 125 VOLT, GFI TYPE, WITH SPRING OPERATED, GASKETED, WEATHER-PROOF AL LID.

GENERAL NOTES CONT'D:

17. AREAS WITH (E) PAVERS: CAREFULLY REMOVE AND REINSTALL (E) PAVERS AFTER (N) UG CONDs AND CONDUCTORS ARE INSTALLED.

DABHI ENGINEERING ASSOC. INC.
MEP CONSULTANTS
21210 PARK YORK DR.
KATY, TEXAS 77450
TEL: 281-492-6885 / FAX: 281-492-8626

MJS
Project Number

WORTHAM CENTER EXTERIOR LIGHTING

GFSB-0091-01-03

Michael John Smith, AIA, LC, IES, IALD
MJS Lighting Consultants
3118 Richmond Avenue, Suite 100
Houston, Texas 77098
713-850-1488 Fax 713-521-4505

STATE OF TEXAS
M. C. DABHI
42122
REGISTERED PROFESSIONAL ENGINEER

7/9/09

WORTHAM CENTER EXTERIOR LIGHTING PLAN

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