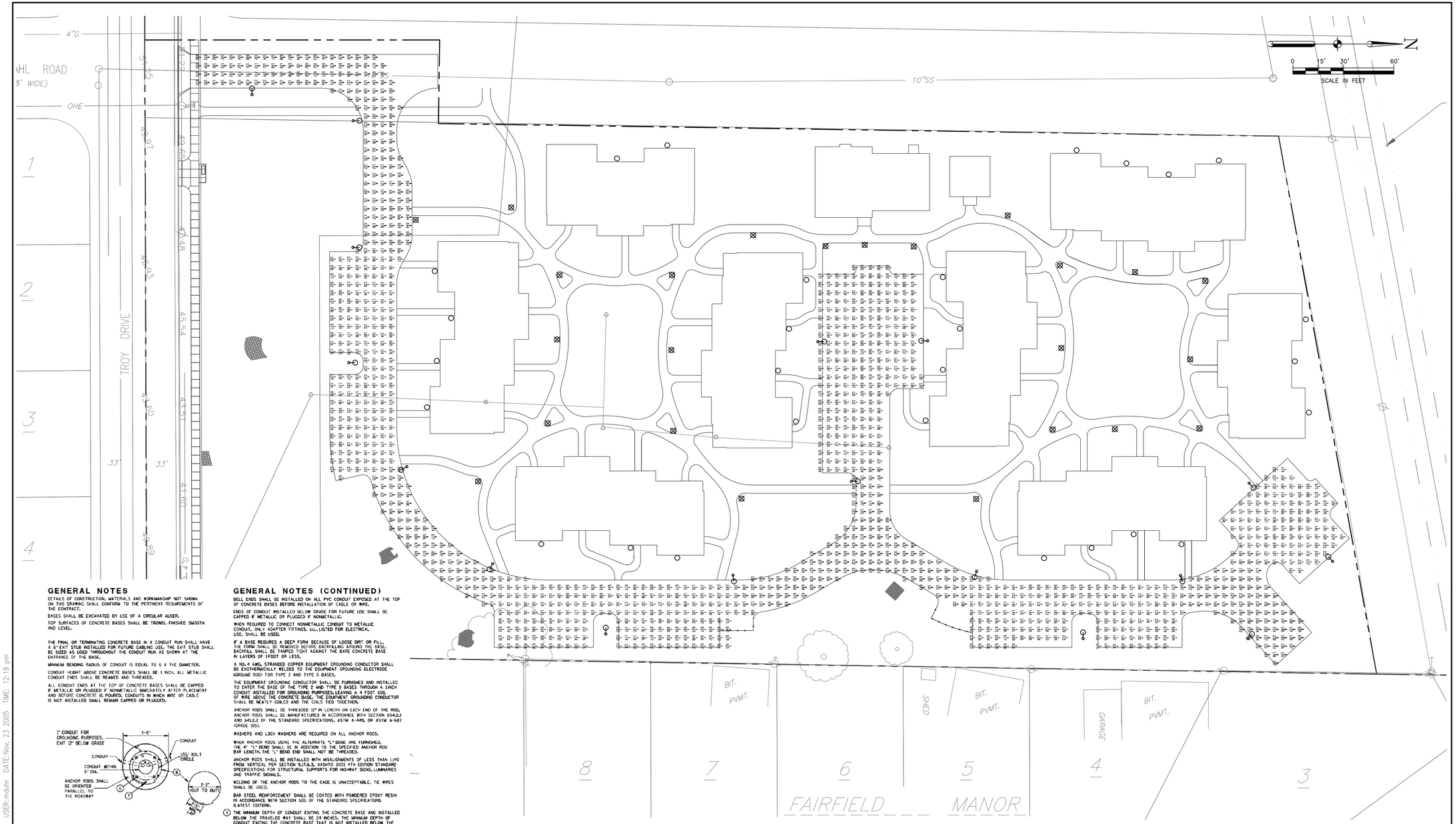


GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

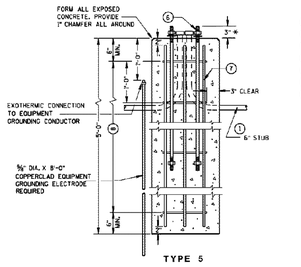
TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL-FINISHED SMOOTH AND LEVEL.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.



TYPE 5

1/108 NOT TO SCALE

GENERAL NOTES (CONTINUED)

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, UL LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1FOOT OR LESS.

A NO.4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2 AND TYPE 5 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 2 AND TYPE 5 BASES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 AND 642.2.2 OF THE STANDARD SPECIFICATIONS, ASTM A-449, OR ASTM A-687 (GRADE 105).

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND END SHALL NOT BE THREADED.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL PER SECTION 5.17.6.5, AASHTO 2001 4TH EDITION STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

1. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.
2. (4) 8' DIA. X 5'-6" ANCHOR RODS.
3. (4) 8' DIA. X 5'-0" ANCHOR RODS.
4. (5) NO.4 X 6'-8" BAR STEEL REINFORCEMENT.
5. (7) NO.4 X 5'-7" BAR STEEL REINFORCEMENT @ 1'-0" C-C.
6. (4) 8' DIA. X 5'-6" ANCHOR RODS.
7. (5) NO.4 X 4'-8" BAR STEEL REINFORCEMENT
8. (5) NO.4 X 5'-7" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

TROY GARDENS LIGHTING FIXTURE SCHEDULE

ASSEMBLY	DESCRIPTION	MANUFACTURER	MODEL	LAMP(S)	REMARKS	Quantity
P	Pole Mounted Lighting	US ARCHITECTURAL	AER-III-100WMHMT-1-COLOR/SNTS-204-11-1-COLOR	100W MH	SEE NOTES 2, 3, 4 & General Notes	
B	Bollard	US ARCHITECTURAL	BRA-CL-100MHMT-8-COLOR	100W MH	SEE NOTES 1 & General Notes	

Notes:

1. Fixtures shall utilize a die cast aluminum top and louvers. Shaft shall be extruded aluminum.
2. Fixtures shall be completely die cast and utilize segmented optics. Fixtures shall be completely tooless entry, including access to photometric housing and ballast compartment.
3. Poles shall be square non-tapered steel in construction designed to withstand the fixture weight and EPA for the area of installation.
4. Fixture color shall be concidered standard and shall be selected by owner.

General Lighting Notes:

A. Contractor shall install fixture in accordance to the manufactures recommendations and as detailed on the construction drawings.
B. All exposed hardware shall be stainless steel.
C. Fixtures, arms and poles shall be powder coated.
D. All electrical components shall be with quick disconnect connectors.
E. Alternate fixture shall be allowed only with prior approval from Landscape Architect.

LEGEND

- ⊠ - BOLLARD LIGHT
- ⚲ - STREET LIGHT
- 5FC - ILLUMINATION LEVEL (FOOT CANDLES)

TROY GARDENS PUD

602 Troy Drive
Madison, WI 53704

Owner:

MADISON COMMUNITY LAND TRUST

JJR landscape architecture planning urban design civil engineering environmental science

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625 WILLIAMSON STREET,
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ISSUED FOR	REV	DATE

SEALS AND SIGNATURES

PROJECT NORTH

DRAWING TITLE

Lighting Plan

SCALE 24257.001

PROJECT NUMBER 108

DRAWING NUMBER

FILE: P:\24257\001\CADD\C\Construction\sheet\4257-SH-LIGHT.dwg USER: mdahr DATE: Nov. 23, 2005 TIME: 12:19 pm