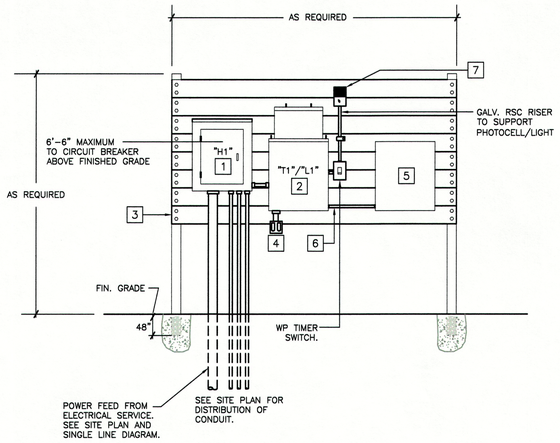
FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3 5




## 2 FRONT ELEVATION AT EQUIPMENT BACKBOARD

NTS

## REFERENCE NOTES

1. NEW PANEL "H1" (SEE SCHEDULE).
2. NEW TRANSFORMER/PANEL (SEE SCHEDULE).
3. 2"x12" WEATHER TREATED WOODEN POST. BOLTED TO POST WITH GALV. HARDWARE, COUNTER SINK BOLTS. VERIFY WITH CIVIL.
4. DOUBLE DUPLEX RECEPTACLE. MOUNT IN WEATHERPROOF BOX WITH WEATHERPROOF COVER.
5. IRRIGATION CONTROLLER. SEE CIVIL PLANS. MAINTAIN 15-½" CLEARANCE FOR DOOR OPENING PER MANUFACTURER.
6. BRANCH CIRCUIT POWER FEED TO IRRIGATION CONTROLLER. SEE SCHEDULE.
7. CUTOFF UTILITY LIGHT WITH INTEGRAL PHOTOCELL. RUUD #E4226-UL-J-V-P-ESB-7-(a)P. PROVIDE WITH (1) 26W CFL LAMP (28W TOTAL SYSTEM).

SEE NOTE: 30A, 120/240V, 1Ø, 3W; 10 FULL SIZE PLUG IN CB SPACES; 10K AIC PANEL & BRANCH CB'S; 30A, 2-POLE MCB

(N) PANEL **L1**

SURFACE MOUNT, NEMA 3R; LOCATION: EQUIPMENT BACKBOARD; WITH EQUIP'T GND BUS; SEE NOTE #4 — SEE NOTE

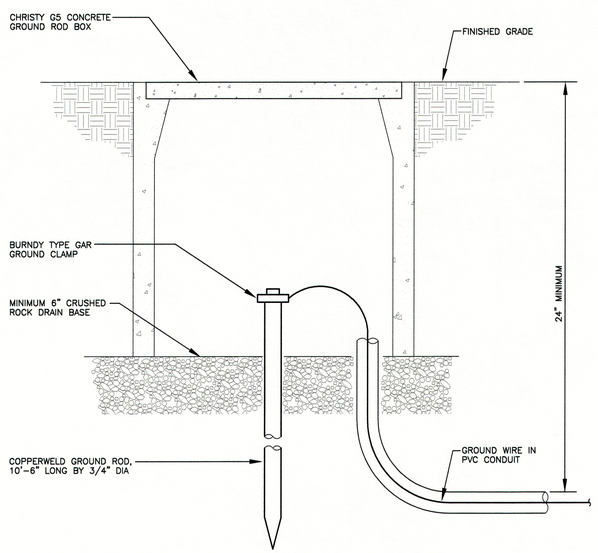
| | CKT # | DESCRIPTION | AMP CB / # POLE | WIRE SIZE | PHASE A VA | PHASE B VA | WIRE SIZE | AMP CB / # POLE | DESCRIPTION | CKT # |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | IRRIGATION CONTROLLER | 20/1 | 12 | 200 | | | | SPACE | 2 |
| 1,2 | 3 | UTILITY LIGHT | 20/1 | 12 | | 28 | | | SPACE | 4 |
| | 5 | CONVENIENCE RECEP. | 20/1 | 12 | 180 | | | | SPACE | 6 |
| | 7 | SPARE | 20/1 | | | | | | SPACE | 8 |
| | 9 | SPARE | 20/1 | | | | | | SPACE | 10 |
| | | CONNECTED LOAD (VA) = | | | 380 | 28 | | | | |
| | | 25% OF CONTINUOUS LOAD = | | | 0 | 7 | | | | |
| | | TOTAL (VA) = | | | 380 | 35 | | | | |
| | | TOTAL ÷ 120 VOLT = | | | 3 A | 0 A | | | | |

SEE NOTE: 100A, 277/480V, 3Ø, 4W; 42 FULL SIZE BOLT ON CB SPACES; 14K AIC PANEL & BRANCH CB'S; MLO

(N) PANEL **H1**

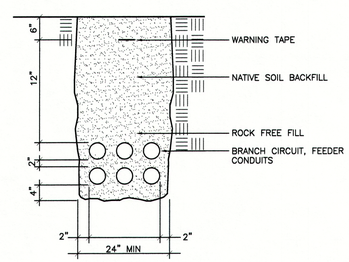
SURFACE MOUNT, NEMA 3R; LOCATION: EQUIPMENT BACKBOARD; WITH EQUIP'T GND BUS; FEED FROM 100A CB AT METER/MAIN — SEE NOTE

| | CKT # | DESCRIPTION | AMP CB / # POLE | WIRE SIZE | PHASE A VA | PHASE B VA | PHASE C VA | WIRE SIZE | AMP CB / # POLE | DESCRIPTION | CKT # | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 1 | IRRIGATION PUMP | 40 | – | 5817 | | | – | 20 | BOOSTER PUMP(S) CONTROL PANEL | 2 | 3 |
| 3 | 3 | " | | – | 1884 | 5817 | | – | | " | 4 | 3 |
| 3 | 5 | " | 3 | – | | 1884 | 5817 | – | 3 | " | 6 | 3 |
| 3 | 7 | "T1"/"L1" | 20 | – | 380 | | | | 20/1 | SPARE | 8 | |
| 3 | 9 | " | 2 | – | | 35 | | | 20/1 | SPARE | 10 | |
| | 11 | SPACE | | | | | | | | SPACE | 12 | |
| | 13 | SPACE | | | | | | | | SPACE | 14 | |
| | 15 | SPACE | | | | | | | | SPACE | 16 | |
| | 17 | SPACE | | | | | | | | SPACE | 18 | |
| | 19 | SPACE | | | | | | | | SPACE | 20 | |
| | 21 | SPACE | | | | | | | | SPACE | 22 | |
| | 23 | SPACE | | | | | | | | SPACE | 24 | |
| | 25 | SPACE | | | | | | | | SPACE | 26 | |
| | 27 | SPACE | | | | | | | | SPACE | 28 | |
| | 29 | SPACE | | | | | | | | SPACE | 30 | |
| | 31 | SPACE | | | | | | | | SPACE | 32 | |
| | 33 | SPACE | | | | | | | | SPACE | 34 | |
| | 35 | SPACE | | | | | | | | SPACE | 36 | |
| | 37 | SPACE | | | | | | | | SPACE | 38 | |
| | 39 | SPACE | | | | | | | | SPACE | 40 | |
| | 41 | SPACE | | | | | | | | SPACE | 42 | |
| | | CONNECTED LOAD (VA) = | | | 8081 | 7736 | 7701 | | | | | |
| | | 25% OF CONTINUOUS LOAD = | | | 0 | 0 | 0 | | | | | |
| | | TOTAL (VA) = | | | 8081 | 7736 | 7701 | | | | | |
| | | TOTAL ÷ 277 VOLT = | | | 29 A | 28 A | 28 A | | | | | |




## 3 TYPICAL GROUND ROD IN GROUND WELL

NTS




## 1 TYPICAL FEEDER/BRANCH CIRCUIT CONDUIT TRENCH DETAIL

NTS

## PANEL SCHEDULE NOTES

1. LONG CONTINUOUS LOAD (LCL). ADDITIONAL 25% ADDED AT BOTTOM OF PANEL. FEEDER CALCULATED AT 125% OF TOTAL CONNECTED LOAD.
2. BRANCH CIRCUIT IS PHOTOCELL ENABLED.
3. SEE SINGLE LINE DIAGRAM FOR CIRCUIT BREAKER AND CONDUCTOR SIZE.
4. PANEL INTEGRAL TO "T1", SEE SINGLE LINE DIAGRAM.

100% Submittal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EXPIRES: 06/30/13
THOMA #10-8105

Oak Woodland Habitat Creation for the Willow Road Extension and HWY 101 Interchange Project

| | |
|---|---|
| JOB #: | 10-8105 |
| DESIGNERS: | HG |
| DRAWN BY: | DM |
| DATE: | 06-18-12 |

DRAWING NO.
E3



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