

BLUE STAR HWY ROUNDABOUT

SCULPTURE INSTALLATION

Saugatuck Township, Saugatuck, Michigan

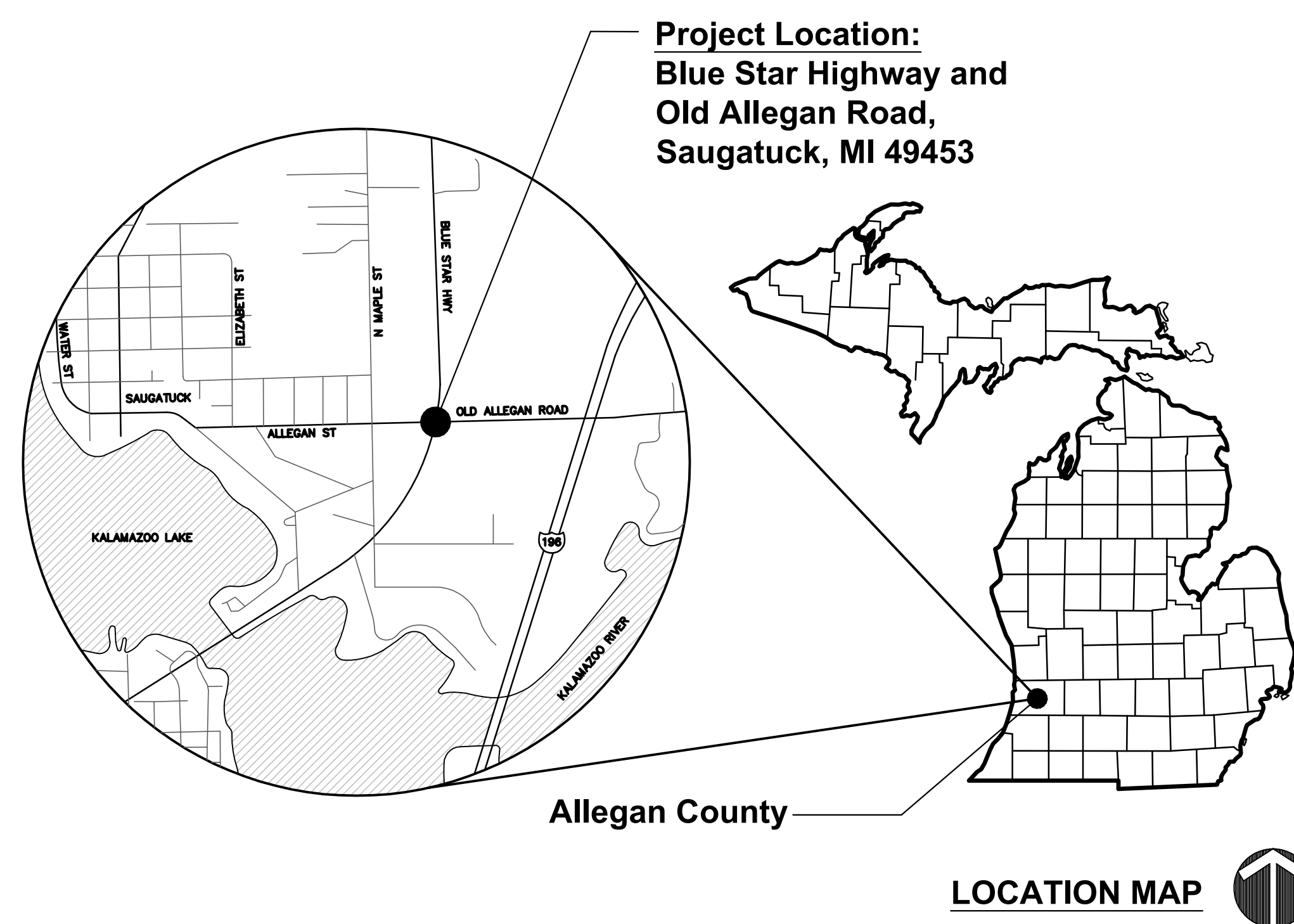
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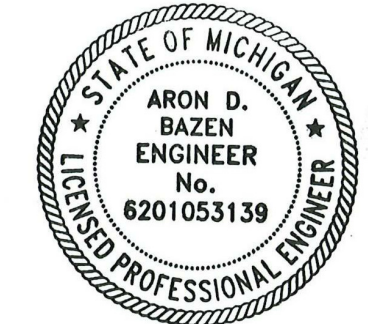
SITE

- T1.0 TITLE SHEET
- C2.0 LAYOUT + LANDSCAPE PLANS
- C3.0 DETAILS

ELECTRICAL

- E1.0 ELECTRICAL PLAN



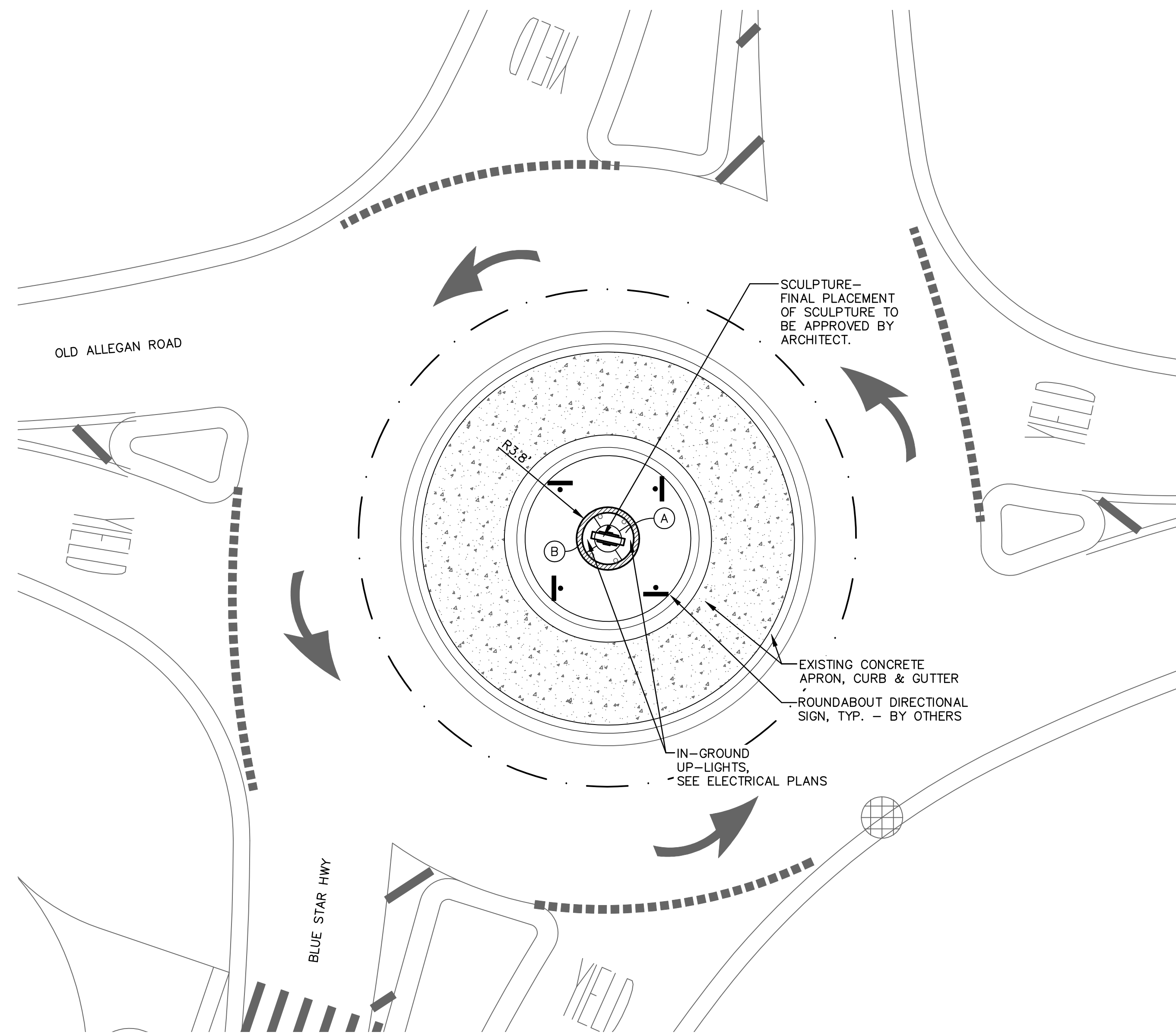
VIRIDIS DESIGN GROUP	BAZEN ELECTRIC
PROFESSIONAL PERSON IN RESPONSIBLE CHARGE OF SITE DESIGN	PROFESSIONAL PERSON IN RESPONSIBLE CHARGE OF ELECTRICAL DESIGN
SHEETS C1.0 - C4.0	SHEETS E1.0
NAME OF LICENSEE LINDSEY GADBOIS	NAME OF LICENSEE ARON BAZEN
NUMBER 3901047046	NUMBER 53139
EXPIRATION DATE 06/06/2025	EXPIRATION DATE 02/13/2025
	

VIRIDIS
Design Group
1430 Monroe Ave. NW, Suite 210, Grand Rapids, MI 49505
(616) 438-9841 www.virdg.com

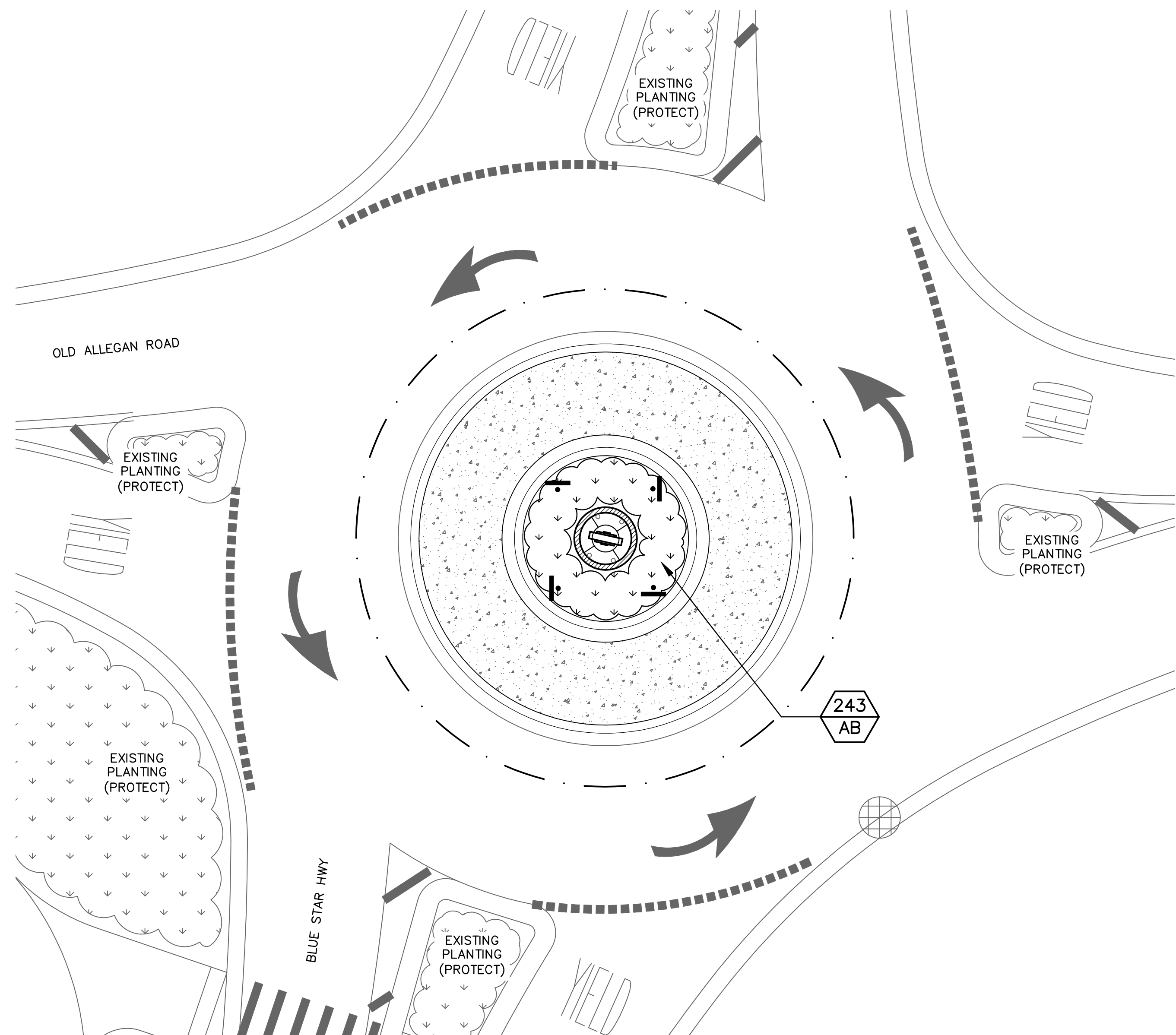
TITLE SHEET
BLUE STAR HWY ROUNDABOUT: SCULPTURE INSTALLATION
SAUGATUCK TOWNSHIP
SAUGATUCK, MICHIGAN

Issued For	
BIDDING	11.11.2024

Sheet
T1.0



LAYOUT PLAN



LANDSCAPE PLAN



PROPOSED FEATURES LEGEND:

SYMBOL	DESCRIPTION	DETAIL
(A)	4" CONCRETE PAVEMENT	1 / C4.0 SEE SPECS.
(B)	STONE WALL AND SCULPTURE FOOTING	3 / C4.0
---	WORK LIMIT LINE	

GENERAL NOTES:

1. SURVEY OF EXISTING CONDITIONS PROVIDED BY LAND AND RESOURCE ENGINEERING, 2121 3 MILE ROAD NW, WALKER, MI 49544. PHONE: 616-301-7888
2. PAVEMENT DIMENSIONS AND RADII ARE TO EDGE OF PAVEMENT OR BACK OF CURB.
3. DISCREPANCIES BETWEEN SITE AND PLANS SHOULD BE REPORTED TO THE PROJECT MANAGER IMMEDIATELY.
4. VERIFY LOCATIONS OF ALL BELOW GRADE UTILITIES PRIOR TO BEGINNING WORK. 72 HOURS BEFORE YOU DIG CALL 811.
5. SITE LAYOUT POINTS SHOULD BE ESTABLISHED AND PROTECTED FOR FUTURE SITE WORK.
6. REPAIR AND RESTORE ANY DAMAGE OUTSIDE OF LIMIT OF WORK LINE TO ORIGINAL CONDITION.
7. ALL NEW PAVEMENTS AND TURF AREAS ARE INTENDED TO DRAIN FREELY WITH NO PONDING. IF THIS CANNOT BE ACHIEVED USING THE PROPOSED GRADES, NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY FOR RESOLUTION.
8. FINE GRADE AND SEED WITHIN WORK LIMIT LINES AND ALL OTHER AREAS DISTURBED BY CONSTRUCTION ACTIVITY. SEE SPECIFICATIONS FOR SEED RESTORATION MIX.
9. CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC CONTROL INCLUDING SIGNS, SIGNALS, LIGHTING DEVICES, BARRICADES, DELINEATORS, PAVEMENT MARKINGS, TRAFFIC REGULATIONS AND ALL OTHER EQUIPMENT FOR PROTECTING AND REGULATING TRAFFIC IN ACCORDANCE WITH THE MMUTCD AND/OR BY AUTHORITIES HAVING JURISDICTION.
10. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL TEMPORARY TRAFFIC CONTROL MEASURES AND OBTAINING ALL PERMITS REQUIRED FOR WORK WITHIN THE RIGHT-OF-WAY.
11. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS INCLUDING R.O.W., SESC, STORMWATER, BUILDING AND ALL OTHERS REQUIRED TO COMPLETE THE WORK.
12. REFER ROUND-ABOUT AS-BUILT DRAWINGS FOR EXISTING CONDITIONS. DRAWINGS AVAILABLE FROM SAUGATUCK TOWNSHIP UPON REQUEST.
12. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING ROUNDABOUT CONCRETE WORK, AND IS RESPONSIBLE FOR REPAIRING DAMAGES THAT OCCUR DURING CONSTRUCTION.

PLANT LIST:

	SYM.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COM.
GRASSES	AB	<i>Ammophila breviflora</i>	Marram Grass / Beach Grass	Stolon	BARE ROOT	8" O.C.

LANDSCAPE NOTES:

1. VERIFY ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK. 72 HOURS BEFORE YOU DIG CALL 811. ANY UTILITIES DISTURBED BY CONSTRUCTION SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
2. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHOULD BE REPORTED TO THE ARCHITECT IMMEDIATELY FOR RESOLUTION.
3. REPAIR AND RESTORE ANY DAMAGE OUTSIDE OF LIMIT OF WORK LINE TO ORIGINAL CONDITION.
4. PROTECT ALL TREES AND EXISTING FEATURES TO REMAIN AS SPECIFIED.
5. ALL SAND AND EXCESS FILL MATERIAL SHALL BE STOCKPILED ON SITE SEPARATELY FOR LATER RE-USE. DO NOT MIX SAND AND SUB-BASE FILL MATERIAL. LOCATE STOCKPILES IN AREAS AS APPROVED BY ARCHITECT AND PROTECT FROM EFFECTS OF EROSION.
6. ALL NURSERY STOCK SHALL BE TRUE TO TYPE AND NAME. ALL STOCK SHALL BE FIRST CLASS QUALITY WITH VIGOROUS HEALTHY ROOT SYSTEMS.
7. ALL PLANT QUANTITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO BIDDING.
8. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS FROM AUTHORITIES HAVING JURISDICTION INCLUDING R.O.W., SESC, STORMWATER, BUILDING AND ALL OTHERS REQUIRED TO COMPLETE THE WORK.

LAYOUT + LANDSCAPE PLAN

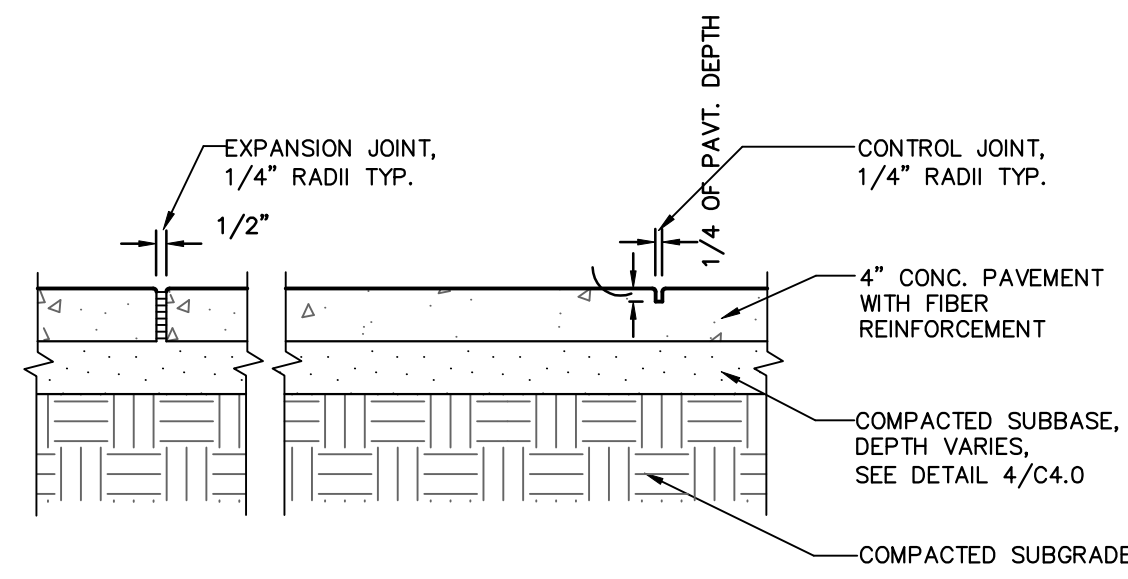
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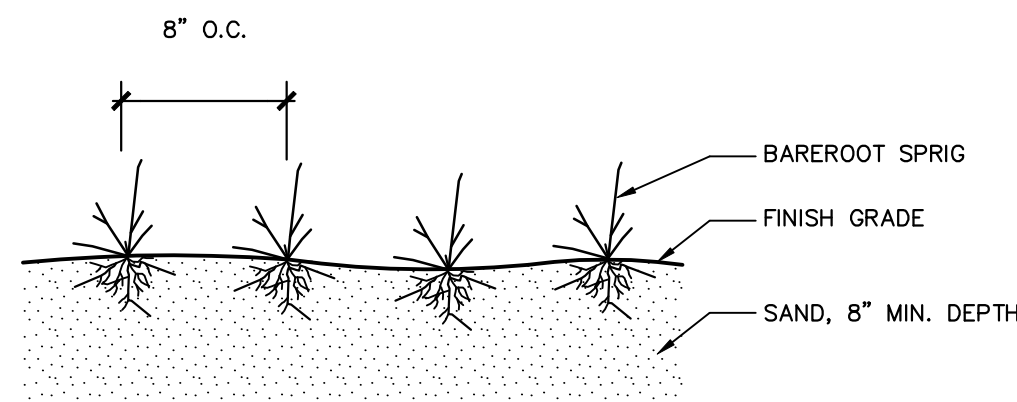
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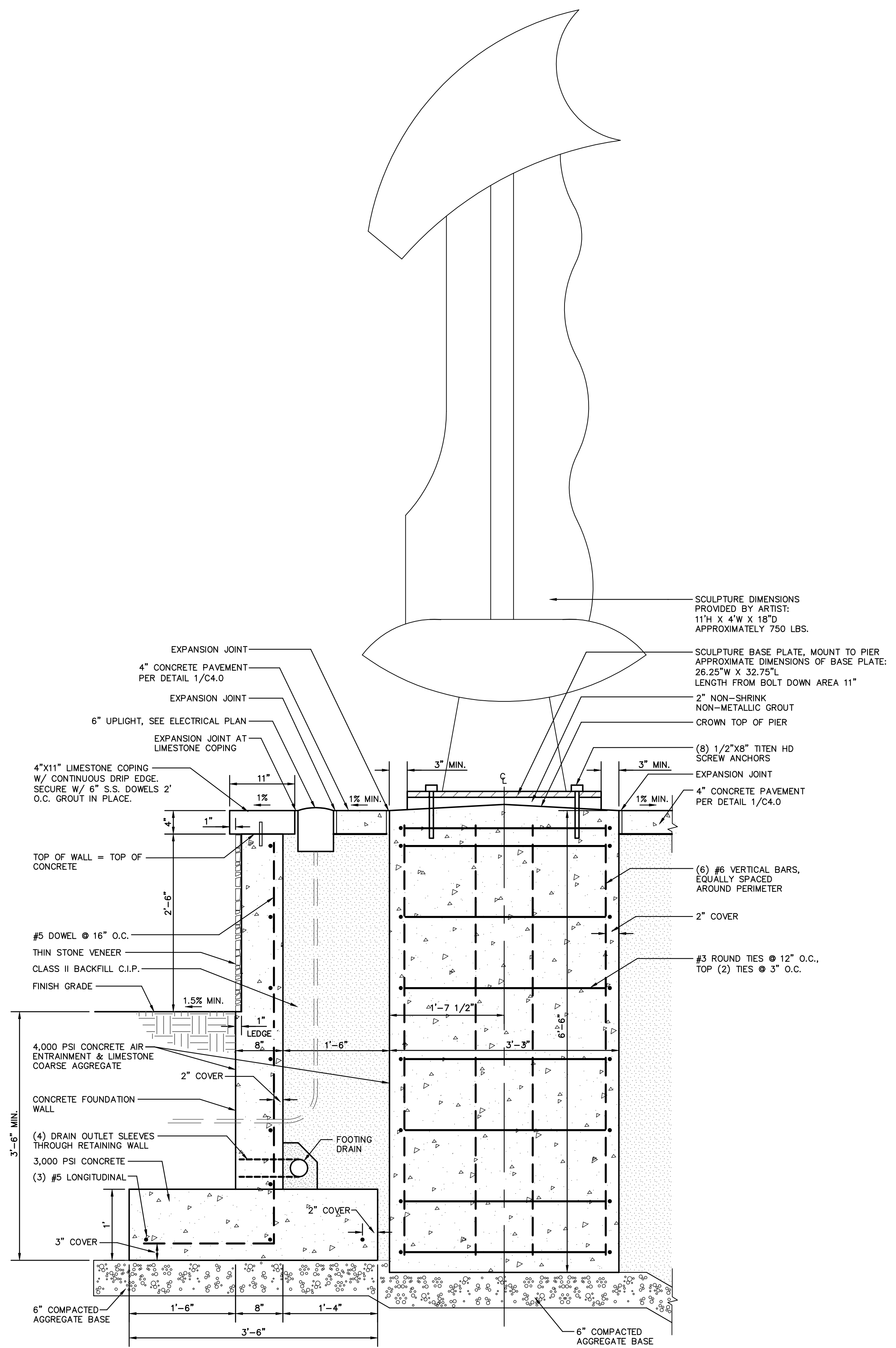
C2.0



1 SECTION - CONCRETE PAVEMENT
NOT TO SCALE



2 DUNE GRASS PLANTING
NOT TO SCALE



3 STONE WALL AND SCULPTURE FOOTING
NOT TO SCALE

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GENERAL ELECTRICAL NOTES

1. ELECTRICAL INSTALLATION SHALL COMPLY WITH THE CURRENT VERSION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL REQUIREMENTS.
2. ALL UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC AND LOCATED A MINIMUM OF 36" BELOW GRADE.
3. THE CONTRACTOR SHALL LOCATE AND MARK ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION. THE CONTRACTOR IS RESPONSIBLE TO REPAIR ANY DAMAGE TO EXISTING INSTALLATIONS THAT MAY RESULT FROM ELECTRICAL INSTALL.
4. PEDESTAL TO BE PROVIDED WITH PADLOCK HASP.
5. PROVIDE INTEGRAL PHOTO CONTROL. INCLUDE HANDS-OFF-AUTO SWITCH FOR SITE LIGHTING CONTROL.

KEYED ELECTRICAL NOTES

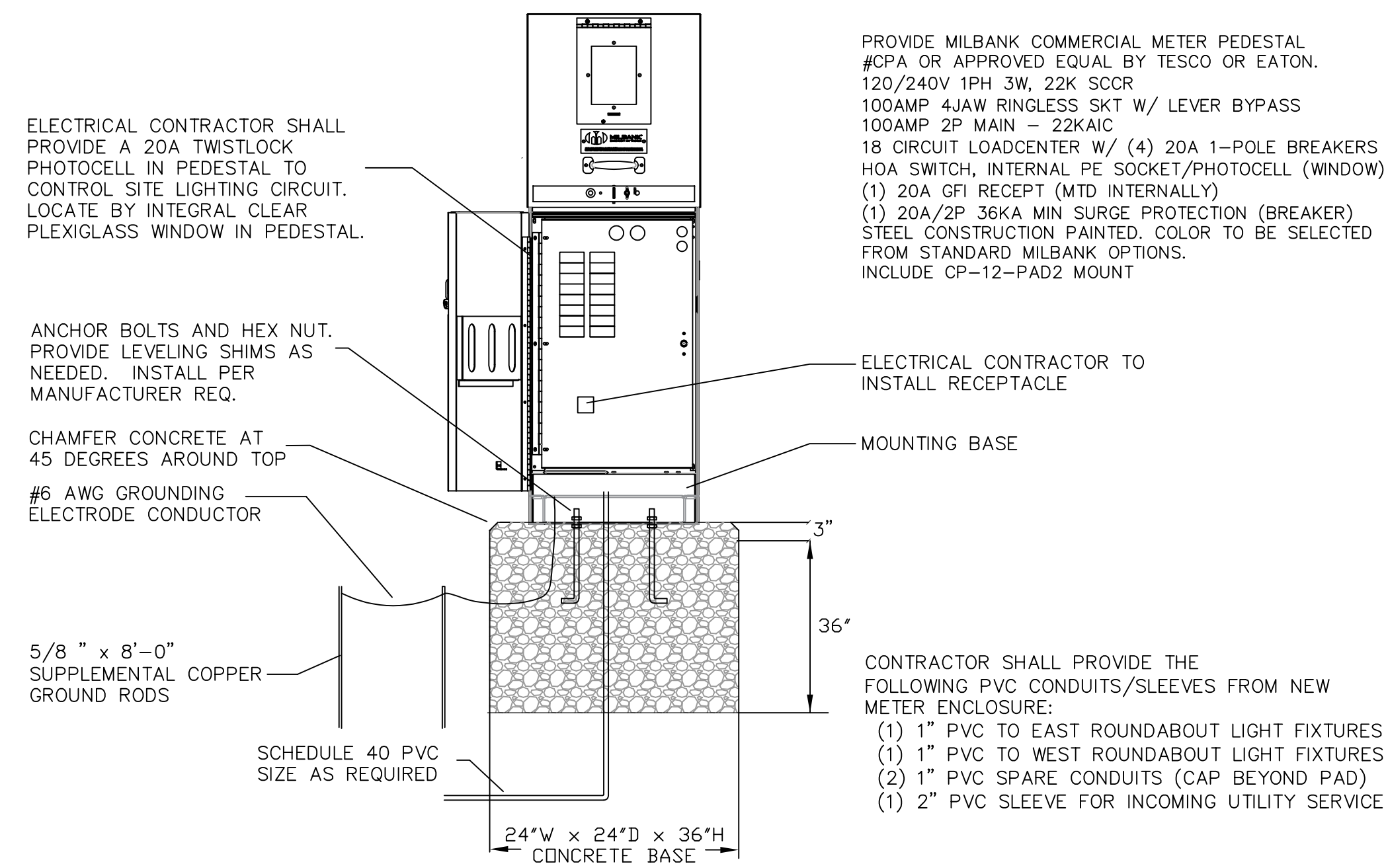
- 1 EXACT LOCATION OF PEDESTAL TO BE DETERMINED BY OWNER AND UTILITY.
- 2 STUB (1) 2" PVC CONDUIT FROM PEDESTAL FOR USE BY UTILITY.
- 3 EACH FIXTURE TO BE FED BY SEPARATE 1" PVC CONDUIT.

TAG	MANUFACTURER/NUMBER	LAMP
A	HYDREL M9420C B LED P2 30K MVOLT MFL FLC (2)34B BL OR APPROVED EQUAL	LED 3000K 80+ CRI
MOUNTING: IN GROUND LED LUMINAIRE.		
DESCRIPTION: FACTORY SEALED IN GRADE LUMINAIRE WITH OPTICAL AIMING. 5 YEAR WARRANTY.		

FIXTURE SCHEDULE



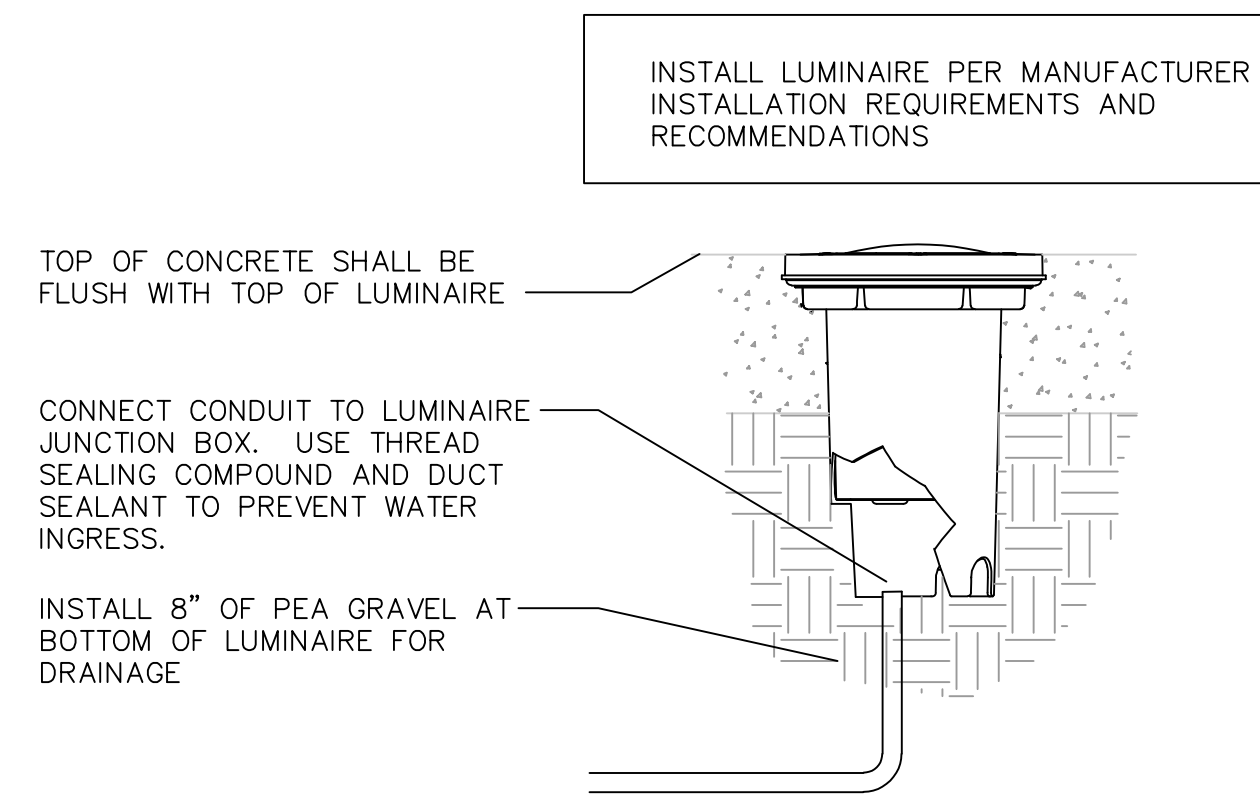
ELECTRICAL PLAN



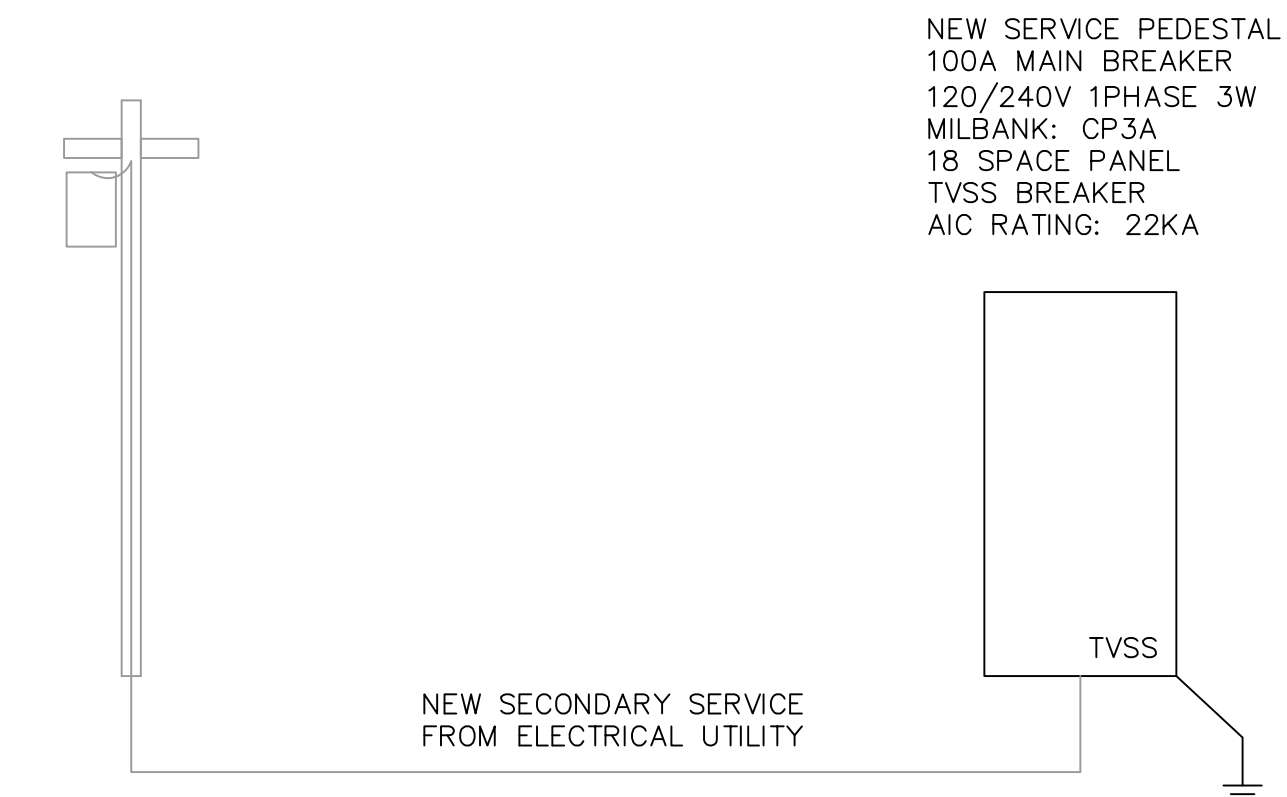
METER PEDESTAL DETAIL

PROVIDE MILBANK COMMERCIAL METER PEDESTAL #CPA OR APPROVED EQUAL BY TESCO OR EATON. 120/240V 1PH 3W, 22K SCCR 100AMP 4JAW RINGLESS SKT W/ LEVER BYPASS 100AMP 2P MAIN - 22KAIC 18 CIRCUIT LOADCENTER W/ (4) 20A 1-POLE BREAKERS HOA SWITCH, INTERNAL PE SOCKET/PHOTOCELL (WINDOW) (1) 20A GFI RECEPT (MTD INTERNALLY) (1) 20A/2P 36KA MIN SURGE PROTECTION (BREAKER) STEEL CONSTRUCTION PAINTED. COLOR TO BE SELECTED FROM STANDARD MILBANK OPTIONS. INCLUDE CP-12-PAD2 MOUNT

CONTRACTOR SHALL PROVIDE THE FOLLOWING PVC CONDUITS/SLEEVES FROM NEW METER ENCLOSURE:
 (1) 1" PVC TO EAST ROUNDABOUT LIGHT FIXTURES
 (1) 1" PVC TO WEST ROUNDABOUT LIGHT FIXTURES
 (2) 1" PVC SPARE CONDUITS (CAP BEYOND PAD)
 (1) 2" PVC SLEEVE FOR INCOMING UTILITY SERVICE



IN-GRADE LUMINAIRE DETAIL



ONE LINE DIAGRAM