

GROUND BOX INSTALL DETAIL

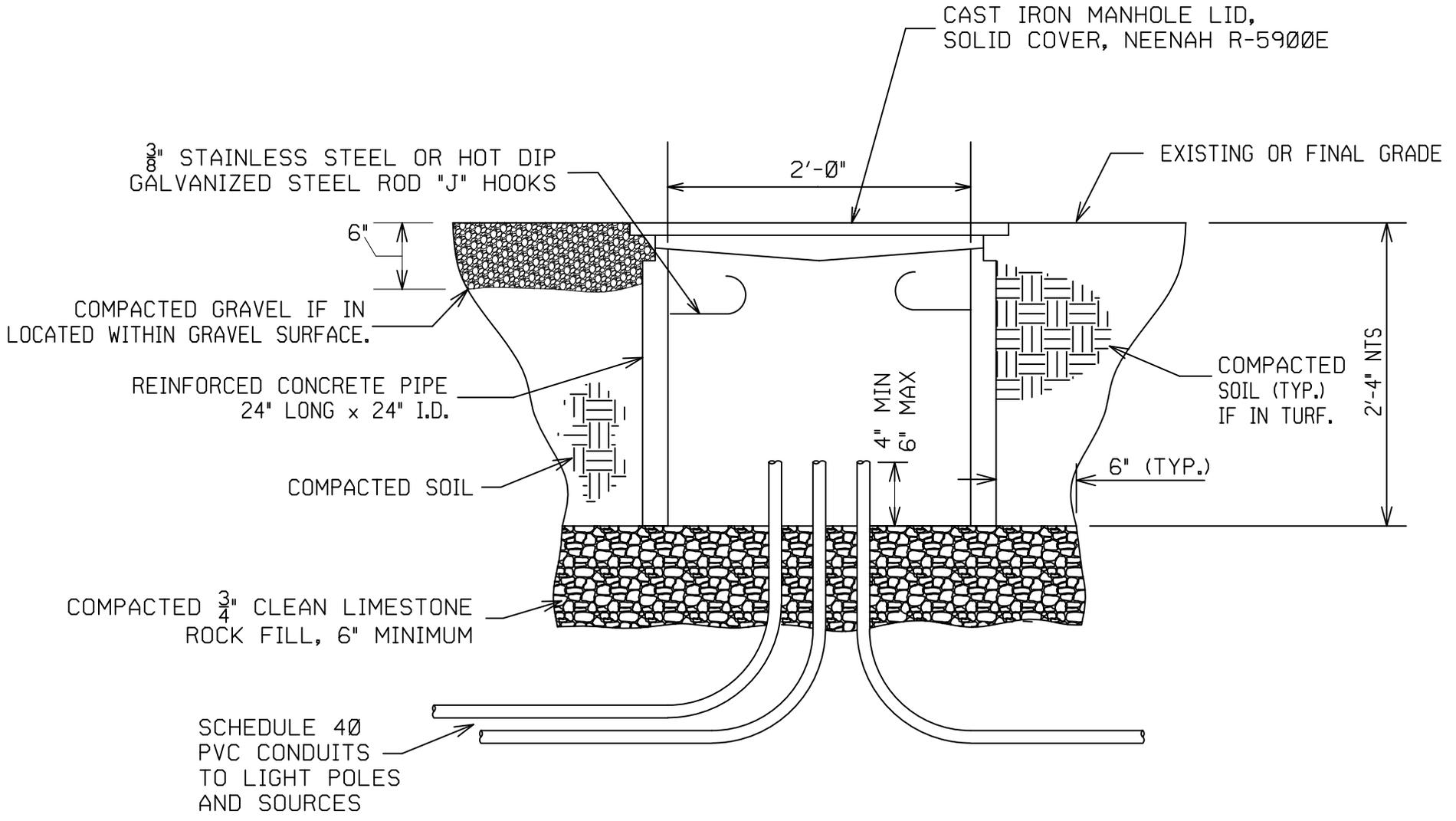
SCALE: NTS

UPDATED: 4/6/18

NOTES:

1. QUAZITE INGRADE PULLBOX INSTALLATION ONLY ALLOWED IN GRASS/TURF AREAS.
2. ALL QUAZITE BOXES WILL BE AS FOLLOWS, NO EXCEPTIONS.
 - a. BOX SIZE OF 13"X24"X18", P/N PG1324-BA-18 WITH COVER P/N PG1324-CA-009
 - b. BOX SIZE OF 24"X36"X18", P/N PG2436-BA-18 WITH COVER P/N PG2436-CA-0009
 - c. BOX SIZE OF 30"X48"X18", P/N PG3048-BA-18 WITH COVER P/N PG3048-WA-00
 - d. ALL COVERS SHALL BE BLANK, I.E. NO LOGOS
3. INGRADE PULLBOXES REQUIRING DEPTHS GREATER THAN 18 INCHES SHALL BE APPROVED BY ISU.
4. INSTALLATION OF INGRADE PULLBOXES SHALL BE PER MANUFACTURERS INSTRUCTIONS.
5. SWEEP CONDUITS UP THROUGH THE GRAVEL BASE AND THE OPEN BOTTOM OF THE BOX. CONDUITS SHALL STOP APPROXIMATELY 6 INCHES ABOVE THE GRAVEL. CUTTING OF HOLES IN THE BOXES IS NOT ALLOWED WITHOUT ISU APPROVAL.
6. ALL BOXES ARE RATED FOR TIER 8 LOADING.

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GROUND BOX DETAIL- TURF OR GRAVEL AREAS

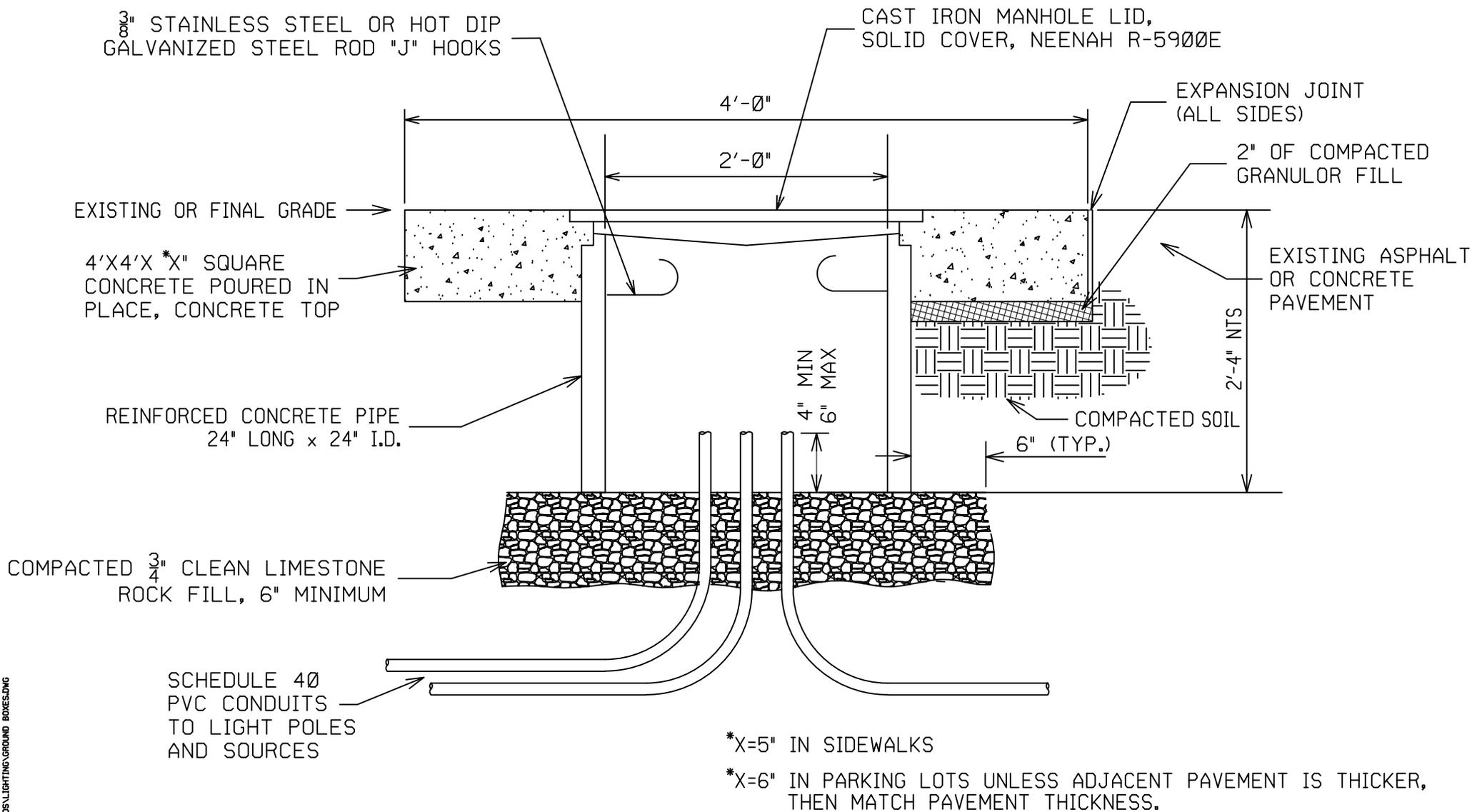
SCALE: NTS

UPDATED: 4/6/18

NOTES:

- GROUND BOX INSTALL IN GRAVEL AND/OR TURF AREAS. SUBJECT TO GREATER THAN TIER 8 LOADING.

GA UTILITIES/ELECTRICAL STANDARDS/LIGHTING GROUND BOXES/DWG



GROUND BOX DETAIL- IN PAVEMENT

SCALE: NTS

UPDATED: 4/6/18

NOTES:

1. GROUND BOX INSTALL IN ASPHALT OR CONCRETE SIDEWALKS AND/OR PARKING LOTS.
2. CONDUITS SHALL ENTER THE GROUND BOX FROM BELOW.
3. CONSULT WITH ISU UTILITIES IF GROUND BOX IS TO BE LOCATED IN A ROADWAY.



Attach nylon straps or chains to the lifting bolts.



Lift and position enclosure with backhoe.



Place gravel in the enclosure and around the side. Lift enclosure to let gravel run underneath.

Large Enclosure Installation

Quazite® enclosures sized 24" x 36" and larger can be safely and securely installed by following four simple steps. Quazite® enclosures are designed for non-deliberate traffic areas only.

1 Site Selection

Select an appropriate site or location that is suitable for an underground enclosure.

- Site features to consider prior to final selection include:
 - Utility easements
 - Parking lots
 - Parking lot entrances
 - Shipping and delivery docks
 - Waste-removal containers (dumpsters)

2 Conduits and Piping Preparation

- Trench and/or plow conduit.
- Bore under road crossings & railroads.
- Mark the depth of conduit using marker tape.

3 Excavate

- Excavate approximately 1-2 feet longer and wider than the box, and 6-8 inches deeper than the depth of the enclosure.
- Add a rodent barrier if necessary.
- Add 6 inches of gravel or crushed rock for drainage.

4 Placement

- Remove enclosure from the pallet to prepare for placement.
- Place nylon straps or chains around the lifting bolts and secure it to the backhoe bucket. The angle between the strap and the enclosure should not be less than 45 degrees.
- Lift the enclosure and place it into the hole.
- Place gravel in the enclosure and around the side if necessary.
- Lift the enclosure to the proper elevation, allowing gravel to run out under the enclosure.
- Check the enclosure's elevation with a level and range pole, and make the necessary adjustments with the backhoe bucket.
- Once the enclosure is set to the proper elevation, reinstall the covers, and back fill.
- If 95% compaction is required, internal bracing should be used on all manufacturers' enclosures to prevent deflection and premature failure.

Install and Protect

Environmental factors should always be considered when installing enclosures of all sizes. Local conditions could dictate additions during installation, such as Concrete Collars or Internal Bracing. These additions provide security, support, and protection.

Installation:

Guidelines for installing your Quazite® enclosure vary depending on size, location, and environmental factors. Quazite® enclosures are designed for non-deliberate traffic areas only.

Small Enclosure Installation

1 Excavation

Excavate approximately 6 inches deeper than the depth of the enclosure. Add 6 inches of gravel or crushed rock for drainage.



2 Placement

Carefully lower enclosure into the hole until the top is at grade level.



3 Filling

Fill and compact the soil to grade level with the cover on the enclosure.



4 Adjustment

If the grade level is raised later, a straight-sided enclosure can be pulled up and bricks added at the bottom on one or four sides to conform to the landscape.

