HENDERSON WATER UTILITY
NORTH WATER TREATMENT PLANT IMPROVEMENTS - 2015

MARCH 2015

PROJECT LOCATION MAP

GENERAL LOCATION MAP
GENERAL NOTES

1. NOT ALL OF THE TRIP LINES, WHETHER ABOVE OR BELOW GROUND, HAVE BEEN SHOWN ON THE DRAWINGS. THE CONTRACTOR MUST REALIZE THAT THE ACTUAL LOCATIONS OF THE UTILITIES SHOWN ON THE DRAWINGS WILL BE DIFFERENT FROM THE LOCATIONS INDICATED.

2. THE LOCATIONS OF THE EXISTING WATER AND SEWER LINES AS SHOWN ON THE DRAWINGS HAVE BEEN DETERMINED BY EXISTING PLANS AND FIELD SURVEYS AND ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR MUST ASSUME RESPONSIBILITY FOR ALL UTILITIES AND MUST REALIZE THAT THE ACTUAL LOCATIONS MAY BE DIFFERENT FROM THOSE INDICATED ON THE DRAWINGS.

3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION UNLESS DETERMINED INCORRECTLY IN THE DRAWINGS. ANY DAMAGES RESULTING FROM CONSTRUCTION WITHOUT PRIOR NOTICE TO THE OWNERS MAY BE REPORTED TO THE CONTRACTOR BY THE OWNERS OR THE CITY.

4. BEFORE WORKING WITH OR AROUND EXISTING UTILITIES, THE APPLICABLE UTILITY COMPANY SHALL BE CONTACTED BY THE CONTRACTOR.

5. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN PROPER WORKER PROTECTIVE EQUIPMENT AND PPE. SITE CONSIDERATIONS AND CITY Rule 1 EXISTING LINES SHOULD BE DETERMINED FOR THE CONTRACTOR TO MEET THE REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING UTILITY CONSTRUCTION.

6. THE CONTRACTOR SHALL FURNISH HIS / HER WITH AND NO EXTRA CONSTRUCTION COMPANY OWNED UTILITY WILL BE ALLOWED.

7. THE CONTRACTOR IS RESPONSIBLE FOR DUST AND MUD CONTROL.

8. FIREWALL SURFACING AND BASE MATERIALS OR ANY OTHER MATERIALS USED OR TRIED ON THE DRAWINGS WILL BE REPLACED AS REQUIRED FOR IN THE SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS.

9. ALL DRAWINGS WILL BE APPROVED BY THE OWNER.

10. THE CONTRACTOR IS RESPONSIBLE FOR ALL EXISTING UTILITY CONSTRUCTION.

11. INFORMATION ON DRAWING TAKES PRIORITY OVER ALL DRAWING SCHEDULES. CONTRACTS SHALL BE DRAWN ACCORDING TO THE CONTRACTS.

12. THE COST OF ASSEMBLING THE CONTRACTS PROVIDED BY THE CONTRACTORS SHALL BE CONSIDERED FACTORIAL TO THE CONTRACT. ALL ASSOCIATED SIZING REQUIREMENTS AND COSTS ARE INCLUDED IN THE CONTRACT.

13. EXISTING UTILITIES AND MATERIALS SHALL NOT BE TRENCHED OR REMOVED WITHOUT THE CONSENT OF THE OWNER.

14. CONTRACTOR TO VERIFY DEPTH PRIOR TO CONSTRUCTION. IF CONNECTIONS ARE TO BE MADE TO EXISTING WATER AND SEWER LINES, THE LOCATION OF THE EXISTING LINES MUST BE FOUND AND LOCATED FOR THE CONTRACTOR TO USE. THE CONTRACTOR IS RESPONSIBLE FOR RECOVERING THE LINES FROM THE DRAWINGS.

15. SECURITY AT SITE MUST BE MAINTAINED AT ALL TIMES. CONTRACTORS TO CONSTRUCT TEMPORARY preparing AT EACH AREA OF CONSTRUCTION AREA.

16. CONTRACTOR SHALL PROVIDE SIGNS TO THE CONSTRUCTION TO MAKE SURE THAT CONSTRUCTION IS COMPLETE. THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE WITHOUT PONDING IN ALL AREAS. AFTER INSTALLATION, CONTRACTOR TO TEST FOR AND CORRECT ANY DEFECTS.

17. ALL UNDERGROUND PIPING TO BE RESTRICTED WITH OTHERWISE NOTED, RESTRAINTS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
STAIRWAY GUARDRAIL & HANDRAIL DETAIL

TYPICAL GUARDRAIL DETAIL

HANDRAIL EXPANSION JOINT

DETAILS—TOP MOUNTING OF POSTS

GRATING SUPPORT BEAM CONNECTION DETAIL

GRATING SUPPORT DETAILS
1. Install S.S. masonry anchors at 3' O.C. vertically and 18' O.C. horizontally over units shown.
2. Joint grout in caps and corner edge to match existing.
3. Install joint grout in caps and corner edge to match existing.

NOTES:

1. Install S.S. masonry anchors 3 joints above and below Lt.5/8" shelf angle.
2. Preferred location for S.S. anchors is at intersecting joints; if so, anchor will be placed over units shown.
3. For existing wall areas maintain existing brick pattern; cut brick in half to form header row every sixth course.

NEW FACE BRICK

WALL SECTIONS WITH

FACE BRICK PATTERN

SECTION AT CORNER
WITH CONCRETE BACKUP

SECTION THRU WALL

EXISTING WALL SECTIONS

BUILDING ELEVATIONS AND
MASONRY REPAIR

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DETAIL NO.
S-209

SCALE: 1" = 1'-0"
SEGMENTAL CONCRETE BLOCK WALL

SEGMENTAL CONCRETE BLOCK WALL NOTES:

1. See specifications for requirements. Wall shall be designed and plans sealed by a KY licensed professional engineer.

2. When located adjacent to paved areas the wall design shall include 240 PSI live load surcharge at the ground surface behind the wall.

3. The detail as shown is based on blocks with the following dimensions:
   - Right face height: 168" 
   - Back face height: 8" 
   - Right face depth: 12"

4. Wall set back and set back may vary from the detail at the approval of the engineer.

5. Color and texture sample shall be submitted by the owner by contractor.

6. Reinforce slope behind wall with soil reinforcement as necessary to satisfy design requirements.
1. EXISTING TRANSFORMER AND 120/240V PANEL PROVIDE (12-15) 20A BREAKERS IN EXISTING 120/240V PANEL TO FEED NEW UNIT AND RECEPTACLES IN NEW FLOOR. CONTINUE PANEL TYPE IN FLOOR.

2. EXISTING 600, 480, 3 PH PANEL PROVIDE (1-2) 15A BREAKER TO FEED NEW ELECTRIC UNIT.

3. PROVIDE ELECTRIC UNIT NO. 1/2. SEE SPECIFICATIONS. INSTALL PER MANUFACTURERS REQUIREMENTS.

4. PROVIDE FUSEABLE DEDICATED UNIT NO. 3/4. SEE SPECIFICATIONS. INSTALL PER MANUFACTURERS REQUIREMENTS.

5. REGULATED FLOW METER. MAKE FINAL CONNECTIONS AS REQUIRED.

6. PROVIDE 3A, 30A, ENSURE 12 FUSED CONNECTORS SHOWN WITH 75A FUSES AS LOCAL DEDICATING NEEDED FOR 3/4". MAKE FINAL CONNECTIONS TO METER WITH #12, UNGRADED IN 3/4" LIQUID TIGHT FLEXIBLE CONDUIT.

7. PROVIDE APPROX. AT S12, LOCATED IN 3/4" RIGID CONDUIT TO EXISTING POWER PANEL FOR 3/4" FEEDER. CONTINUE EACH ROUTE FOR CONDUIT IN FLOOR WITH CONDUIT.

8. PROVIDE APPROX. AT S12, LOCATED IN 3/4" RIGID CONDUIT TO EXISTING 120/240V PANEL FOR 120V LIGHT AND RECEPTACLE CIRCUIT. CONTINUE EACH ROUTE FOR CONDUIT IN FLOOR WITH CONDUIT.

9. PROVIDE (1-4) 120V, 20A, 50A, IN 3/4" RIGID CONDUIT TO EXISTING PCC. CONTINUE PCC LOCATION IN FLOOR WITH CONDUIT. CONTINUE EACH ROUTE FOR CONDUIT IN FLOOR WITH CONDUIT.

10. PROVIDE SINGLE POLE 20A SWITCH AND 20A SHUTTER FOR THE RECEPTACLE. SWITCH SHALL CONTROL LEADING IN TRACTED ROOM.

11. PROVIDE LAMPS AS SHOWN EXCEPT AS NOTED. PROVIDE THE SHADING AND SHADE MOUNTING HARDWARE AS SHOWN. INSTALLATION SPACING SHALL BE METHOD AS SHOWN.

12. RELocate EXISTING FLOW METER. SEE PLAN AT RIGHT FOR NEW LOCATION.

13. REMOVE EXISTING CONDUIT AND Wiring TO EXISTING PCC. CONTINUE PCC LOCATION IN FLOOR.