



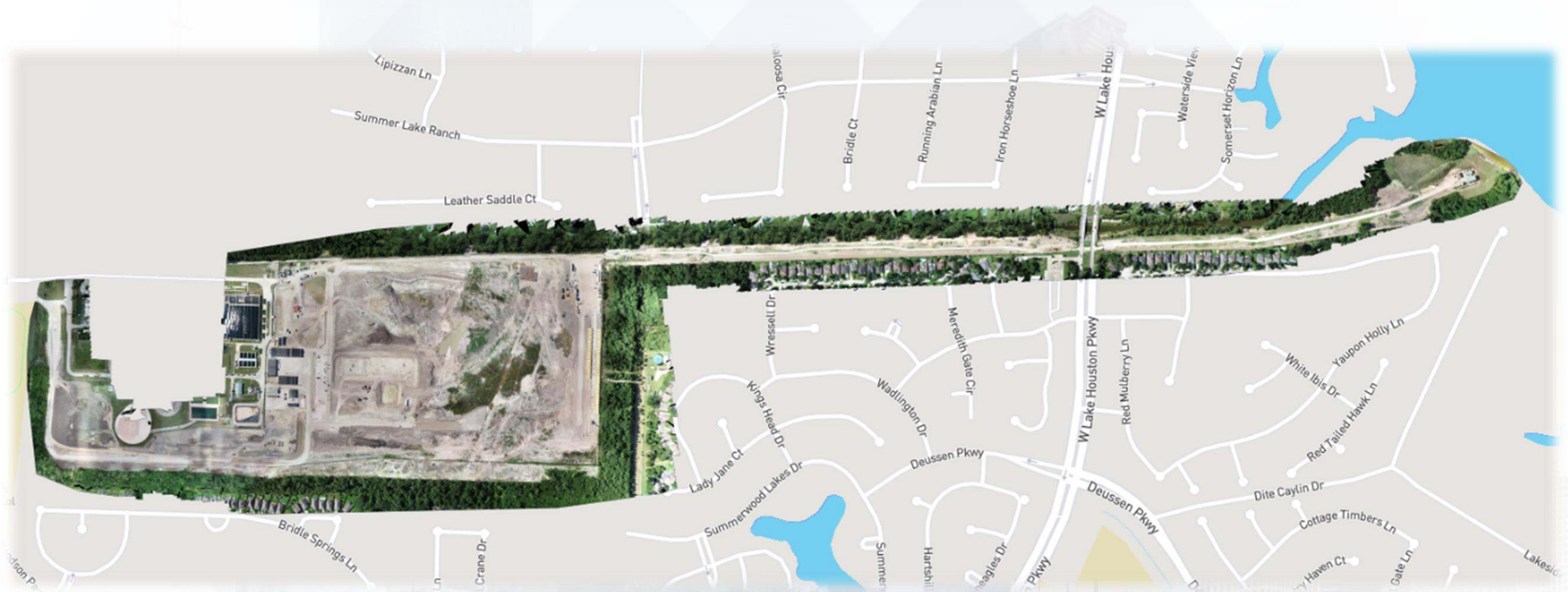
CITY OF HOUSTON
Houston Public Works


DESIGN-BUILD SERVICES

Northeast Water Purification Plant Expansion



Aerial Map of Overall Site - June 8, 2018



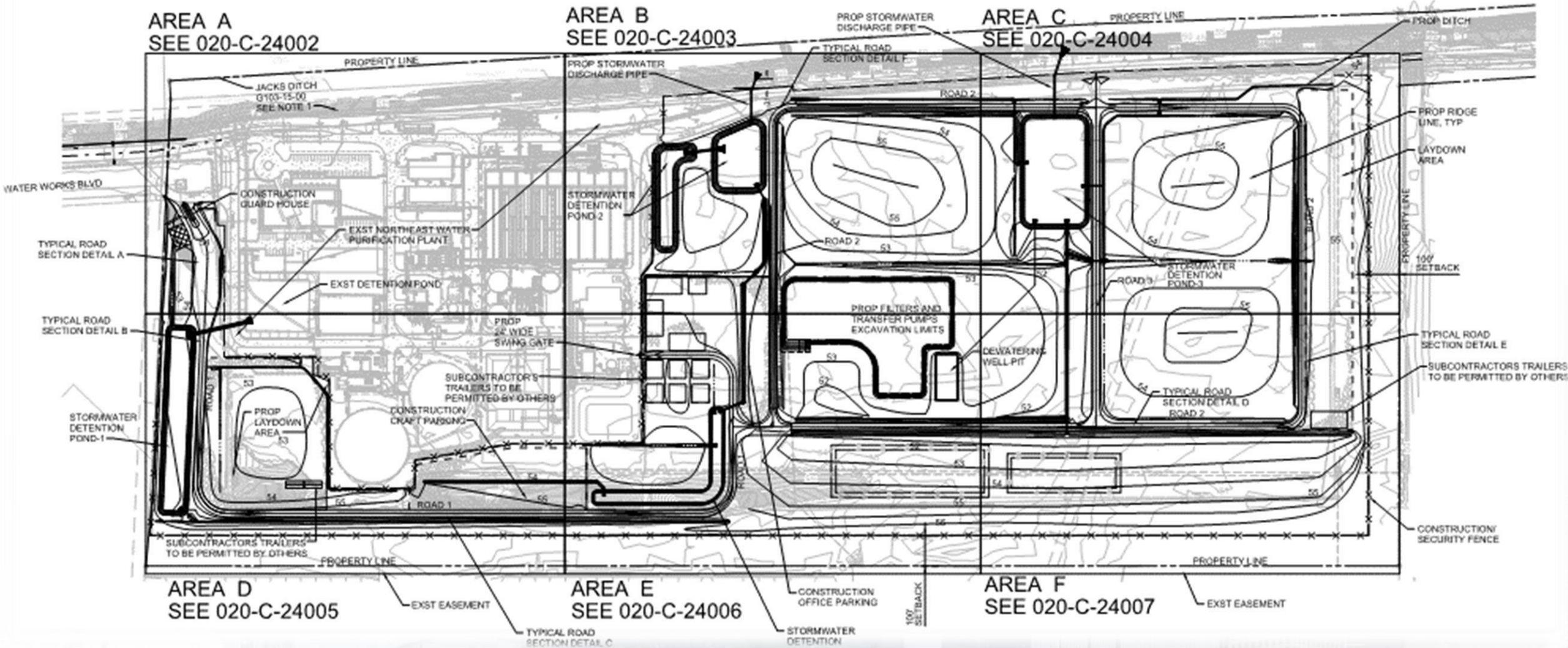


Construction Progress – EWP 1 MAIN PLANT

June 20, 2018

- **Installing ADA ramps and stairs**
- **Assembling Engineering and Safety/Executive trailers**
- **Cutting/excavating/grading Pond 2a and 1**
- **Installing fire and water lines**
- **Dewatering and excavating Transfer pump station**
- **Laid and compacted CTB in trailer city area**
- **Laid and compacted CTB for road 1, south**
- **Performing hydrostatic test on water lines**





Installing ADA ramps and stairs



Laid & Compacted final CTB on Road 1




Grading craft parking lot and ditch



Lime stabilizing Road 2





Construction Progress – EWP 3 & 1 – Electrical

June 20, 2018

- **Energizing temporary system**
- **Wiring panel boxes at trailer city for land power**
- **Clean up and completing preliminary punch-list items**
- **Installing fence around new electrical equipment**





Construction Progress – EWP 4 – Raw Water Corridor

June 20, 2018

- **Installing fence posts in East corridor, North side**
- **Maintaining dewatering system**
- **Excavating shaft an installing shoring**
- **Grading swales for positive drainage in West Corridor**
- **Delivering 108” pipe**



Excavating Shaft Entry, and installing shoring



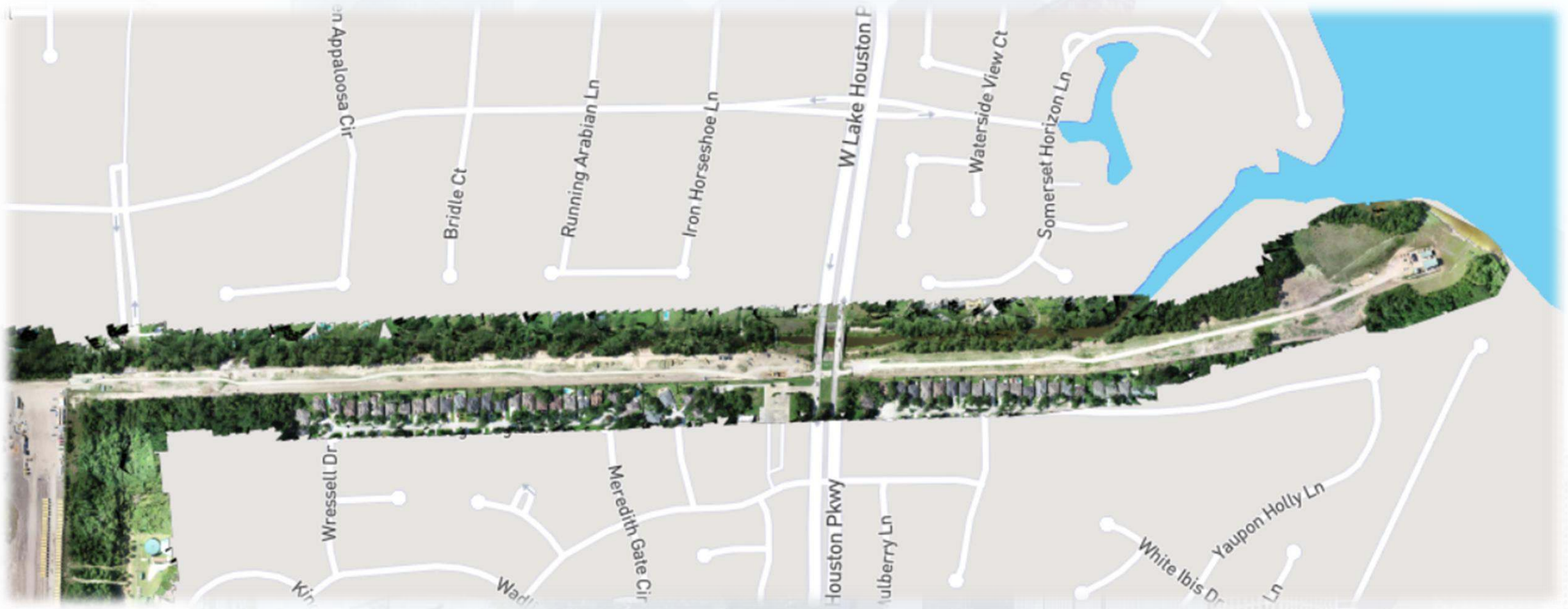
Excavating Shaft Entry, and installing shoring



Grading swales in West Corridor



Aerial Map of Corridors – June 8, 2018



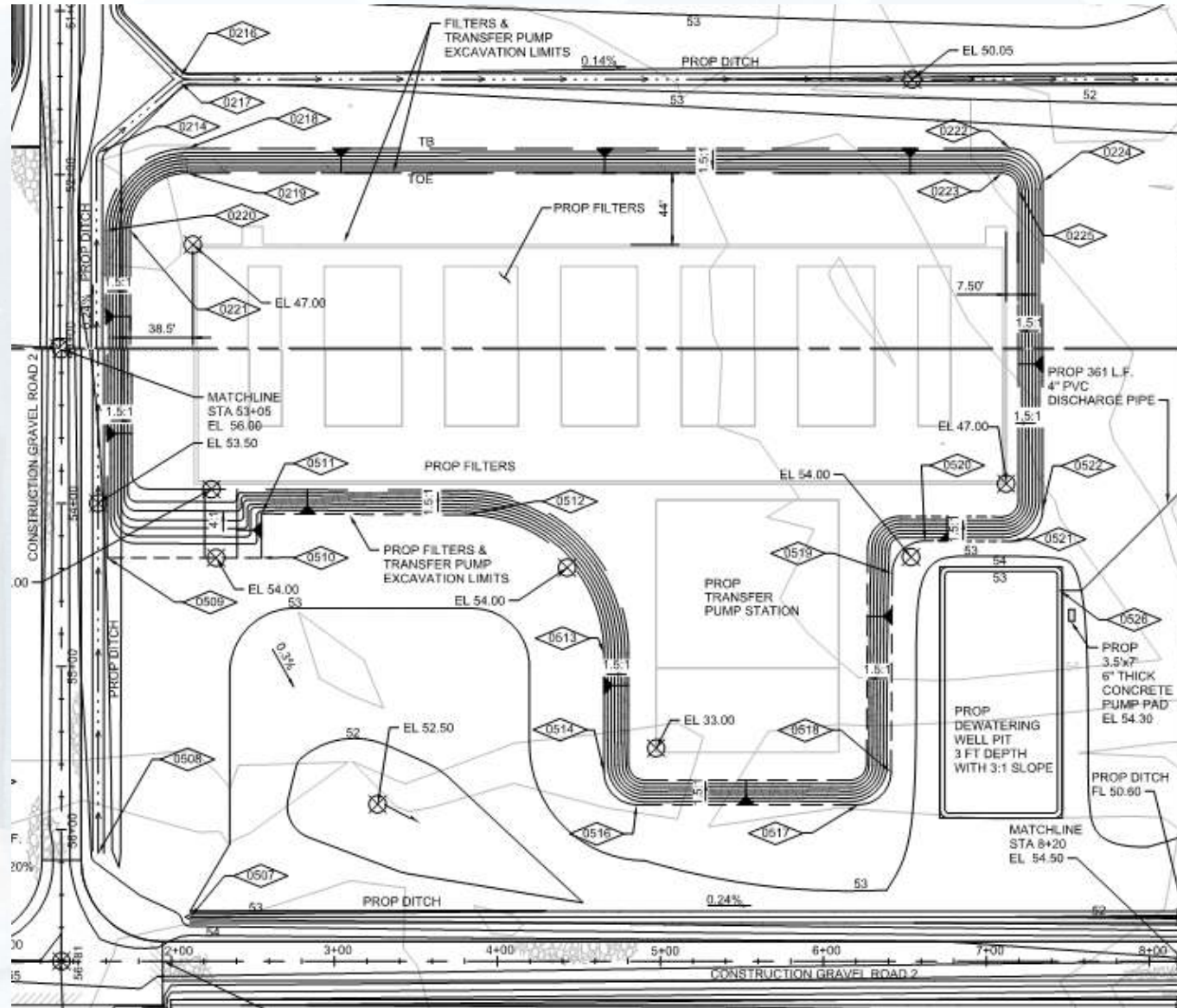


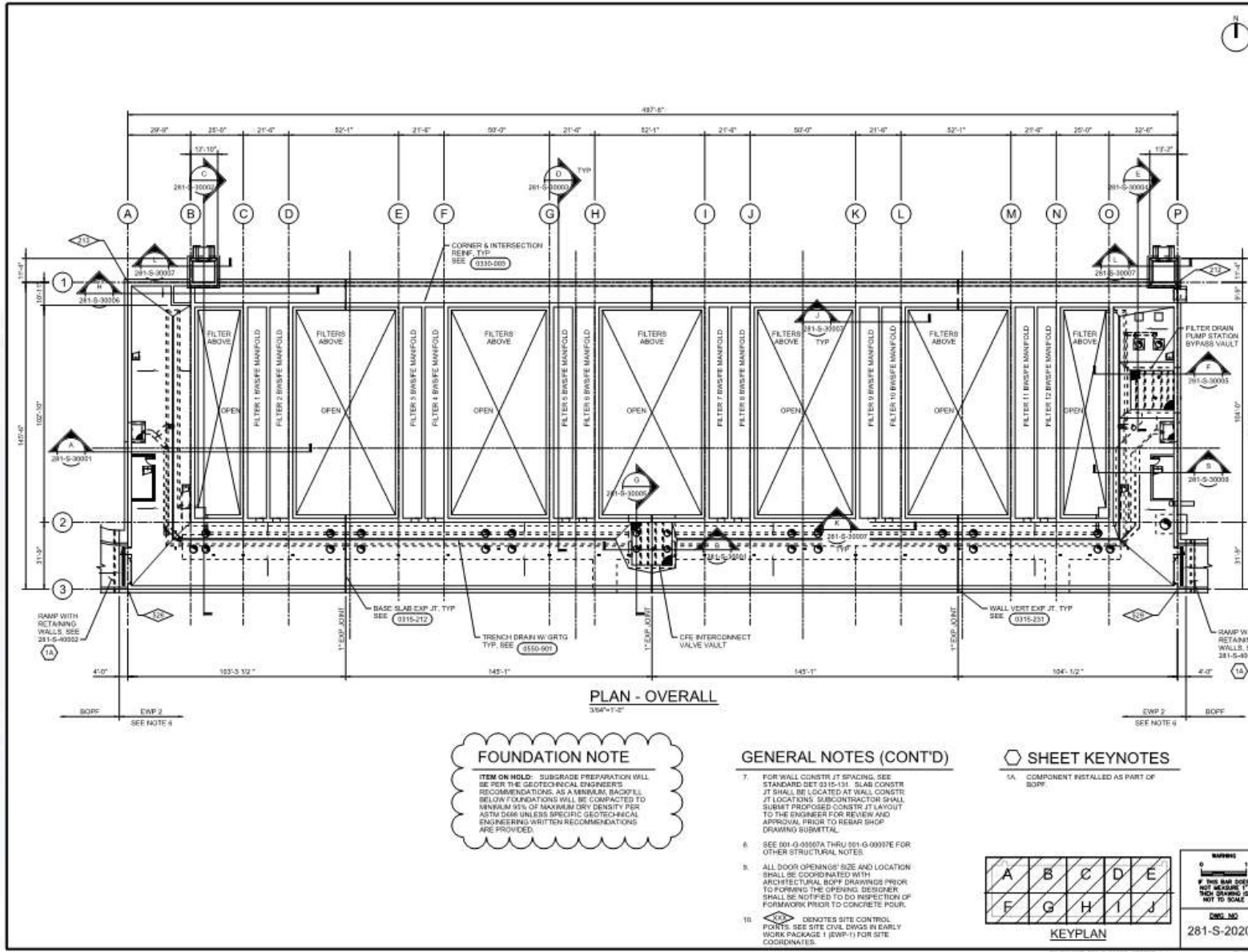
Construction Progress – EWP 2 Filter Structure & TPS

June 20, 2018

- **McCarthy mobilizing equipment and trailer to site**
- **Cutting filter structure to grade**
- **Lime stabilizing underslab**







PLAN - OVERALL
3/04"=1'-0"

FOUNDATION NOTE

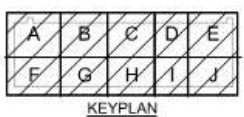
ITEM ON HOLD: SUBGRADE PREPARATION WILL BE PER THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS AS A MINIMUM BACKFILL BELOW EXCAVATIONS WILL BE COMPACTED TO MINIMUM 95% OF MAXIMUM DRY DENSITY PER ASTM D698 UNLESS SPECIFIC GEOTECHNICAL ENGINEERING WRITTEN RECOMMENDATIONS ARE PROVIDED.

GENERAL NOTES (CONT'D)

- FOR WALL CONSTR JT SPACING, SEE STANDARD DET 0315-131. SLAB CONSTR JT SHALL BE LOCATED AT WALL CONSTR JT LOCATIONS. SUBCONTRACTOR SHALL SUBMIT PROPOSED CONSTR JT LAYOUT TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO REBAR SHOP DRAWING SUBMITTAL.
- SEE 001-G-035007A THRU 001-G-00037E FOR OTHER STRUCTURAL NOTES.
- ALL DOOR OPENINGS' SIZE AND LOCATION SHALL BE COORDINATED WITH ARCHITECTURAL BOFP DRAWINGS PRIOR TO FORMING THE OPENING. DESIGNER SHALL BE NOTIFIED TO DO INSPECTION OF FORMWORK PRIOR TO CONCRETE POUR.
- ◀◀◀ DENOTES SITE CONTROL POINTS. SEE SITE CIVIL DWGS IN EARLY WORK PACKAGE 1 (EWP-1) FOR SITE COORDINATES.

SHEET KEYNOTES

- COMPONENT INSTALLED AS PART OF BOFP.



WBS NO. 5-00000-0005-4
DRAWING SCALE 3/64" = 1'-0"
CITY OF HOUSTON PW
RAJINDER SINGH
SHEET NO. 05 OF 113

GENERAL NOTES

- ◀ DENOTES SLAB DOWNWARD SLOPE DIRECTION.
- SEE CIVIL DRAWINGS IN EARLY WORK PACKAGE 1 (EWP-1) FOR FINISHED GRADE ELEVATIONS AND SITE LAYOUT INFORMATION.
- COORDINATE ALL SLAB AND WALL OPENINGS' SIZE, TYPE AND LOCATION WITH MECHANICAL, HVAC, ELECTRICAL AND ARCHITECTURAL DRAWINGS. REFER TO STRUCTURAL STANDARDS DETAILS 000-001 AND 000-002 FOR ADDITIONAL REINFORCEMENT AROUND CONCRETE OPENINGS.
- COORDINATE ALL CONCRETE AND PIPE PENETRATIONS, EXACT SIZE, ELEVATION AND LOCATIONS WITH ELECTRICAL AND MECHANICAL DRAWINGS.
- COORDINATE EXACT DIMENSIONS AND THICKNESS FOR ALL EQUIPMENT PADS WITH EQUIPMENT MANUFACTURER.
- IN EARLY WORK PACKAGE 2 (EWP 2) CONTRACT WORK INCLUDES ALL CONCRETE CONSTRUCTION INCLUDING ALL EMBEDMENTS WITHIN THE CONCRETE FROM 4'-0" TO THE WEST OF GRID LINE "A" TO 4'-0" TO THE EAST OF GRID LINE "P" THE FOLLOWING WILL BE INSTALLED AT A LATER DATE UNDER THE BALANCE OF PROJECT FACILITIES (BOFP) AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
 - A. ALL STEEL CONSTRUCTION (CATWALK SYSTEM GRATING, SUPPORT BEAMS, PRE-ENGINEERED METAL STAIRS, PIPE SUPPORTS, ETC)
 - B. ALL ALUMINUM CONSTRUCTION (GRATING, RAILINGS, GRATING SUPPORT BEAMS, ETC)
 - C. ALL MASONRY CONSTRUCTION
 - D. EAST AND WEST RAMP CONSTRUCTION SHOWN IN 281-S-00002
 - E. CONCRETE EQUIPMENT PADS AND CONCRETE PIPE SUPPORTS DOWNED INTO SLAB USING POST-INSTALLED EPOXY DOWELS.

(SEE BELOW FOR ADDL GENERAL NOTES)

1	21/18	ISSUED FOR CONSTRUCTION	PER
APPROVED:	R. ROGERS	DATE:	DECEMBER 2017
DESIGNED BY:	ERIK BLANKLIND	DRAWN BY:	B. BENNETT
CHECKED BY:	CHRZANOWSKI	X-CHECK BY:	S. FINNEGAN



SURVEYED BY: BROOKS PR NO. P-5009

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

NORTHEAST WATER PURIFICATION PLANT EXPANSION
FILTER MODULE 1
STRUCTURAL FOUNDATION PLAN OVERALL

EWP2 - ISSUED FOR CONSTRUCTION



Cutting underslab to grade



Lime Stabilizing and mixing filter underslab

