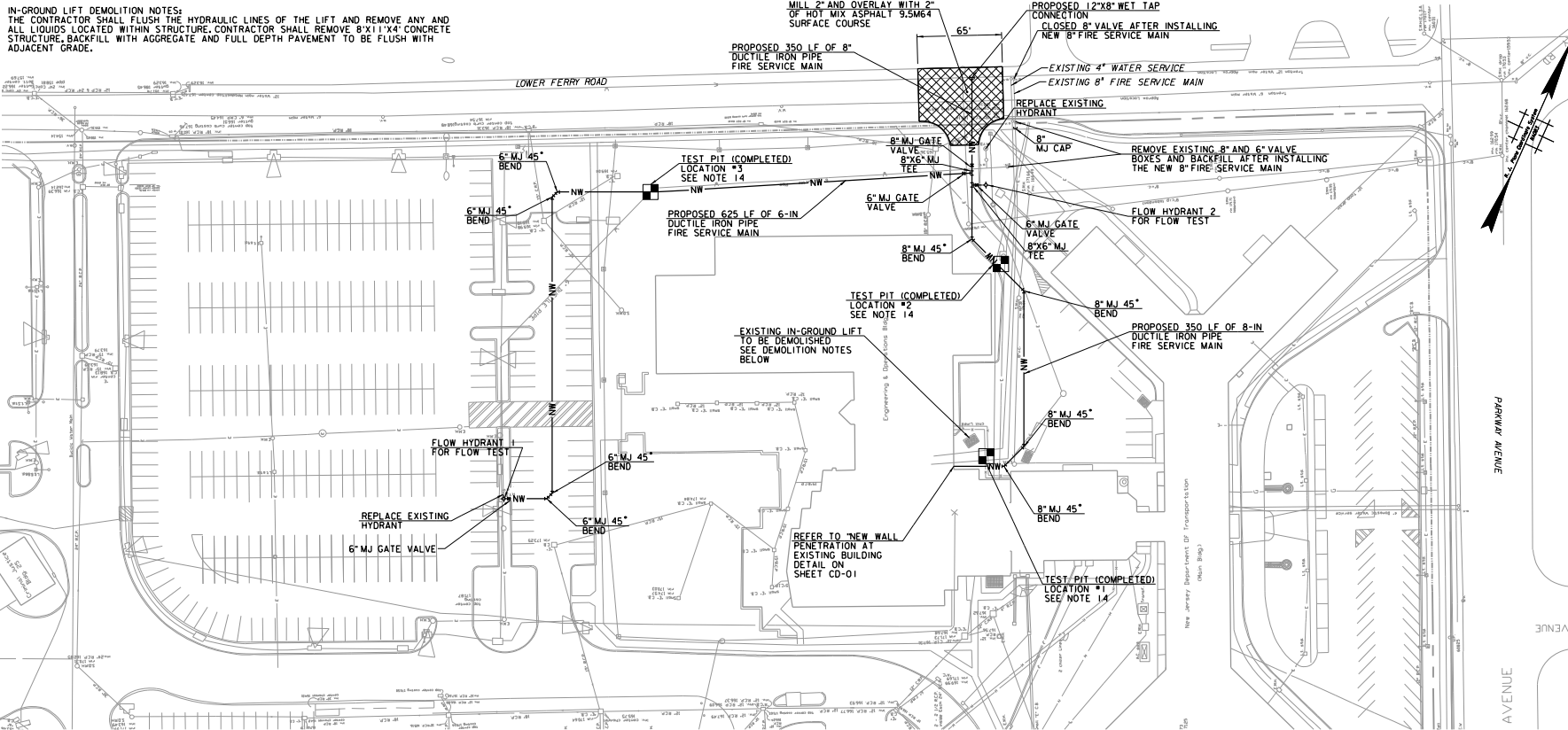


IN-GROUND LIFT DEMOLITION NOTES:
THE CONTRACTOR SHALL FLUSH THE HYDRAULIC LINES OF THE LIFT AND REMOVE ANY AND ALL LIQUIDS LOCATED WITHIN STRUCTURE. CONTRACTOR SHALL REMOVE 8'X11'X4' CONCRETE STRUCTURE, BACKFILL WITH AGGREGATE AND FULL DEPTH PAVEMENT TO BE FLUSH WITH ADJACENT GRADE.



NOTES:

1. NO SURVEY WAS PERFORMED FOR THIS PROJECT. BASE MAPPING WAS OBTAINED BY NJDOT AND FIELD VERIFIED.
2. BEFORE THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL MARK OUT ALL UTILITIES AND PROTECT ALL ACTIVE LINES. CLEARLY IDENTIFY BEFORE THE COMMENCEMENT OF CONSTRUCTION THE REQUIRED INTERRUPTION OF ACTIVE SYSTEMS THAT MAY AFFECT OTHER PARTIES AND NOTIFY ALL APPLICABLE UTILITY COMPANIES TO ENSURE THE CONTINUATION OF SERVICE. THE CONTRACTOR SHALL COORDINATE CUTTING AND CAPPING OF ALL EXISTING UTILITIES WITH THE UTILITY COMPANIES.
3. ALL ITEMS AND FACILITIES TO REMAIN SHALL BE PROTECTED BY THE CONTRACTOR ANY DAMAGE TO FACILITIES THAT ARE TO REMAIN DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED TO EXISTING CONDITIONS AT THE CONTRACTOR'S EXPENSE.
4. SUBSURFACE INFORMATION SHOWN ON THESE PLANS WAS OBTAINED FOR USE IN ESTABLISHING DESIGN CONTROLS FOR THE PROJECT. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEES.
5. THE INFORMATION SHOWN ON THESE PLANS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.
6. THE CONTRACTOR IS ALERTED TO THE FACT THAT THIS SITE IS AN ACTIVE ADMINISTRATION BUILDING. CONTRACTOR SHALL MAINTAIN VEHICULAR AND PEDESTRIAN ACCESS TO THE BUILDING AT ALL TIMES DURING OPERATION HOURS. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE ENGINEER AND OWNER. ALL EFFORT SHALL BE MADE TO AVOID DISRUPTING NORMAL OPERATIONS.
7. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ALL SAFETY AND WORK PROCEDURES, INCLUDING STAGING DURING CONSTRUCTION.
8. STORAGE LOCATIONS OF ANY CONSTRUCTION MATERIAL AND/OR EQUIPMENT SHALL BE APPROVED BY NJDOT PRIOR TO THE COMMENCEMENT OF ANY WORK ACTIVITIES.
9. THE LOCATIONS OF ALL EXISTING UTILITIES ARE NOT DEPICTED ON THE PLANS. CALL NEW JERSEY ONE CALL AT 811 OR 800-272-1000 AND TAKE THE FOLLOWING STEPS: 1. WAIT FOR THE SITE TO BE MARKED WITH PAINT, FLAGS, OR STAKES. 2. RESPECT THE MARKINGS AND DIG WITH CARE. 3. HAND DIG WITHIN TWO FEET OF BURIED PIPING AND FACILITIES. 4. BE MINDFUL THAT INCLEMENT WEATHER MAY WASH AWAY PAINTED MARKINGS. 5. BE ADVISED THAT SOME ON-SITE UTILITIES MAY NOT BE ASSOCIATED WITH ONE CALL. 6. PLAN AND VERIFY EXCAVATION LOCATIONS WITH THE ENGINEER AND OWNER PRIOR TO DIGGING.
10. ENTIRE PIPE LENGTH SHALL BE RESTRAINED WITH FIELD LOK GASKETS AND MEGALUGS. MAINTAIN ATLEAST 4" COVER SHALL BE MAINTAINED TO THE TOP OF THE PIPE FROM GRADE, THROUGHOUT THE LENGTH OF THE PIPE.
11. ENTIRE PIPE TO BE POLYWRAPPED.
12. ALL WORK SHALL BE IN ACCORDANCE WITH THE MERCER COUNTY SOIL CONSERVATION DISTRICT GUIDELINES. THE PROPOSED PROJECT RESULTS IN 3,000 SF DISTURBANCE AND DOES NOT REQUIRE A SOIL EROSION PERMIT. PROPOSED TRENCHING WORK AND ALL GROUND DISTURBANCE SHALL BE PROTECTED BY FILTER SOCK.
13. SEE TRAFFIC CONTROL PLAN FOR PROPOSED STAGING/PHASING NOTES.
14. TEST PIT LOCATIONS SHOWN ON THIS PLAN WERE PERFORMED BY THE DESIGN ENGINEER IN AUGUST 2020. REFER TO APPENDIX A OF THE SPECIFICATIONS FOR THE TEST PIT REPORT FOR SUBSURFACE INFORMATION.
15. STRIPING IN ALL PAVED AREAS THAT ARE DISTURBED SHALL BE RESTORED TO EXISTING CONDITIONS UPON RESTORATION OF PAVEMENT/OVERLAY OF PAVEMENT.

PIT DETAILS				
PIT#	PIT DIMENSIONS	PIT PROFILE	UTILITIES ENCOUNTERED	UTILITY DEPTH
1	20"x20"	TOP: 3'-4" ASPHALT BOTTOM: CLAY NO GW	6" FIRE SERVICE MAIN (FW) 8" FIRE SERVICE MAIN (FW)	FW=68" CL=1'-35"
	20"x24"	TOP: 3'-4" ASPHALT BOTTOM: CLAY NO GW	8" CHILL WATER LINE WITH 3'-4" INSULATION (CL#2)	FW=87.5" CL#2=37.5"
2	2.5'LX1.5'W	TOP: 3'-4" ASPHALT MIDDLE: 10"-12" CONCRETE BOTTOM: CLAY GW AT DEPTH OF 5'	12/25" ELECTRICAL CONDUITS	67"
	1.5'LX1.5'W	TOP: 3'-4" ASPHALT MIDDLE: 10"-12" CONCRETE BOTTOM: GRAVEL GW AT DEPTH OF 15'	UNKNOWN	47"
3	12" DIAMETER	ALL CLAY	6" FIRE SERVICE MAIN	48"

HYDRANT FLOW TEST RESULTS	
DATE: OCTOBER 7, 2020 LOCATION: 1035 PARKWAY AVE. EWING TOWNSHIP, NJ 08618	
SCENARIO 1 FLOW HYDRANT 1 STATIC/RESIDUAL 2 STATIC - 44 PSI RESIDUAL - 38 PSI FLOW DATA - 22 PSI/786 GPM FIRE PUMP WHILE HYDRANT WAS CLOSED - 50 PSI FIRE PUMP WHILE HYDRANT WAS OPEN - 46 PSI	
FLOW HYDRANT 2 STATIC/RESIDUAL HYDRANT 1 STATIC - 44 PSI RESIDUAL - 38 PSI FLOW DATA - 30 PSI/920 GPM FIRE PUMP WHILE HYDRANT WAS CLOSED - 50 PSI FIRE PUMP WHILE HYDRANT WAS OPEN - 45 PSI	
SCENARIO 2 - FLOW BOTH HYDRANTS 1 & 2 HYDRANT 1 FLOW DATA - 18 PSI/710 GPM STATIC - 17 PSI	
HYDRANT 2 FLOW DATA - 25 PSI/840 GPM STATIC - 26 PSI FIRE PUMP WHILE HYDRANT WAS CLOSED - 50 PSI FIRE PUMP WHILE HYDRANT WAS OPEN - 40 PSI	

DPMC-T0628-00

NEW JERSEY DEPARTMENT OF TRANSPORTATION
DAVID J. GOLDBERG, TRANSPORTATION COMPLEX
1035 PARKWAY AVENUE, TRENTON, NJ 08625

FIRE MAIN REPLACEMENTS,
NJDOT HEADQUARTERS



TERESA L. PETERSON
N.J. P.E. NO. 24GB0458200

PROJECT NUMBER: 067992

DESIGNED: SD	MODIFIED: RUB	CHECKED: AWM
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DATE: 11/2020	SCALE: 1"=40'
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DRAWING TITLE:

CONSTRUCTION PLAN

DRAWING NO.: