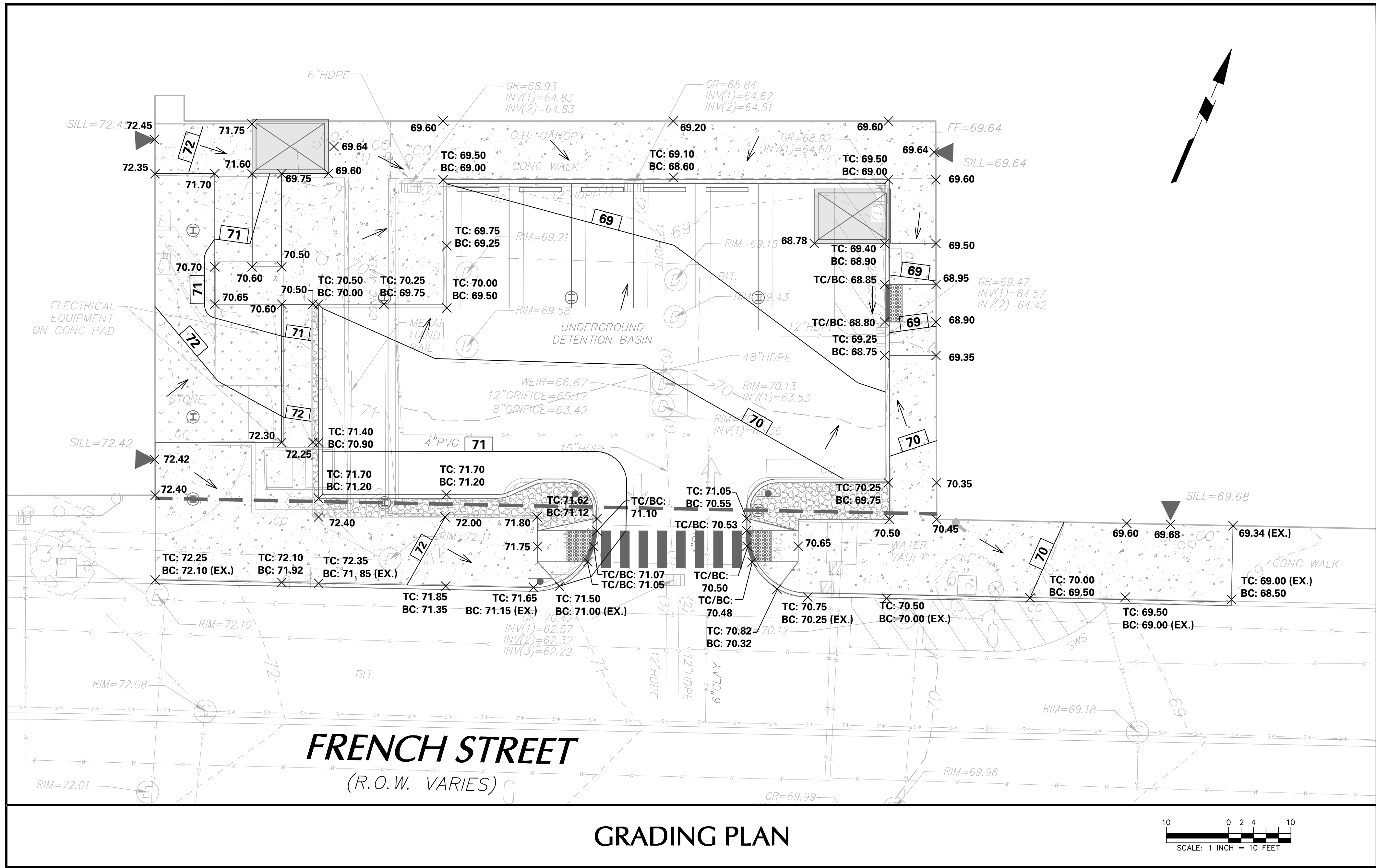
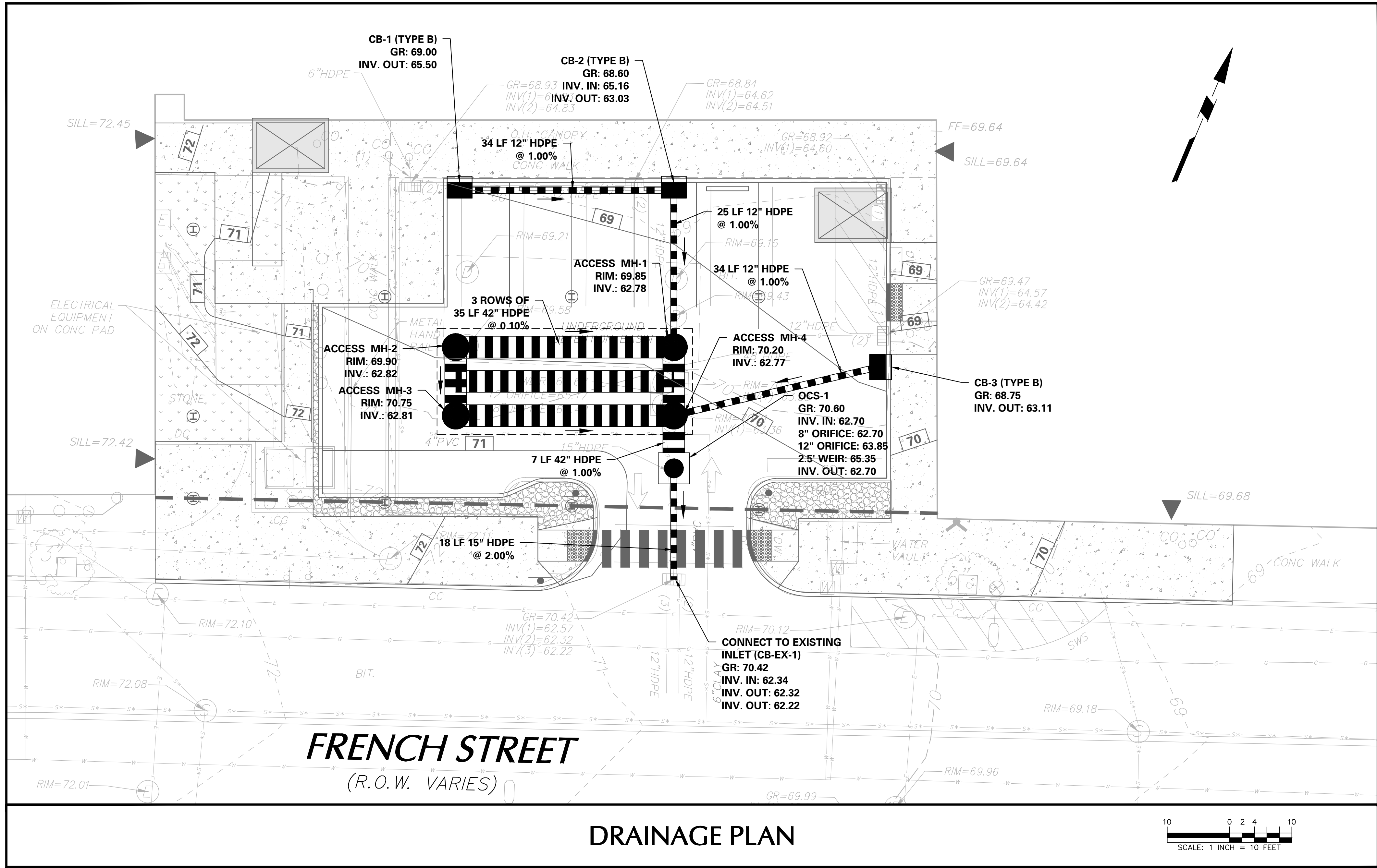




GRADING PLAN



DRAINAGE PLAN

GRADING AND DRAINAGE NOTES:

1. ALL GRADING, DRAINAGE, AND UTILITY INSTALLATION AND/OR CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS OR LOCAL REQUIREMENTS. SHOULD A DIFFERENCE IN REQUIREMENTS OCCUR, THE STRICTER OF THE TWO REGULATIONS WILL APPLY.
2. ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC LOADING AND BE INSTALLED ACCORDINGLY.
3. SITE GRADING SHALL NOT PROCEED UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
4. LENGTHS OF STORM PIPES SHOWN ARE CENTER-TO-CENTER LENGTHS BETWEEN DRAINAGE STRUCTURES.
5. CONTRACTOR SHALL REVIEW ALL DRAINAGE CONNECTIONS TO MANHOLES AND CATCH BASINS AND INCREASE THE INLET BOX SIZES AS NECESSARY TO ACCOMMODATE THE PROPOSED INLET AND OUTLET PIPES.
6. ALL GRADING IS TO PROMOTE POSITIVE DRAINAGE AWAY FROM THE BUILDING.
7. CURB ELEVATIONS INDICATED "BC" ARE BOTTOM OF CURB ELEVATIONS, CURB ELEVATIONS INDICATED AS "TC" ARE TOP OF CURB.
8. EXISTING FRAMES, COVERS, AND GRATES IN AREAS WHERE GRADES WILL BE REVISED BY FILLING OR CUTTING, OR PAVEMENT OVERLAY, MUST BE RESET TO MATCH FINAL GRADE. THIS INCLUDES MANHOLES, HANDHOLES, VALVE BOXES, INLETS, VAULT, ETC.). IN AREAS OF CUT, CONTRACTORS SHALL PROVIDE REQUIRED COVERAGE OF UTILITY AND STORMWATER LINES AS SPECIFIED BY THE UTILITY PURVEYOR. RELOCATION OF UTILITY AND STORMWATER LINES MAY BE REQUIRED.

THE PROPOSED SITE IMPROVEMENTS HAVE BEEN DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE US ACCESS BOARD'S ADA ACCESSIBILITY GUIDELINES (ADAAG) AND PUBLIC RIGHTS-OF-WAY (PROWAG).

ALL EXISTING STORMWATER MANAGEMENT FEATURES ON THE PROPERTY AND ALONG THE PROJECT'S FRONTAGE ON FRENCH STREET SHALL BE INSPECTED, CLEANED, AND REPAIRED AS NECESSARY DURING CONSTRUCTION UNDER THE SUPERVISION OF THE CITY ENGINEER.

STORM SYSTEM - THE EXISTING ON-SITE STORM SYSTEM IS LESS THAN TWO YEARS OLD. COMPONENTS OF THE EXISTING SYSTEM (STRUCTURES, PIPES, ETC.) MAY BE RE-USED PENDING ENGINEER APPROVAL.

GRADING PLAN LEGEND	
	70 CONTOUR
	70.60 SPOT ELEVATION
	70.25 TOP OF CURB ELEVATION
	69.75 BOTTOM OF CURB ELEVATION
	SLOPE ARROW

DRAINAGE PLAN LEGEND	
	STORM PIPE
	STORM INLET
	ACCESS MANHOLE
	OUTLET CONTROL STRUCTURE
	PIPE FLOW ARROW

Date	Description	No.
REVISIONS		
		
CHRISTIAN M. ROCHE		DATE SIGNED
NJ PROFESSIONAL ENGINEER		
NJ LICENSE No. 24GE04988100		
LANGAN		
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.		
989 Lenox Drive, Suite 124 Lawrenceville, NJ 08648		
T: 609.282.8000 F: 609.282.8001 www.langan.com NJ CERTIFICATE OF AUTHORIZATION No. 24GAZ986400		
Project		
RWJ BARNABAS HEALTH SOUTH BUILDING EXPANSION BLOCK 24.01, LOT 1.01 CITY OF NEW BRUNSWICK		
MIDDLESEX COUNTY		NEW JERSEY
Drawing Title		
GRADING AND DRAINAGE PLAN		
Project No.		Drawing No.
130141101		CG-101
Date		
05/24/2019		
Drawn By		
GGB		
Checked By		
CMR		Sheet 5 of 11