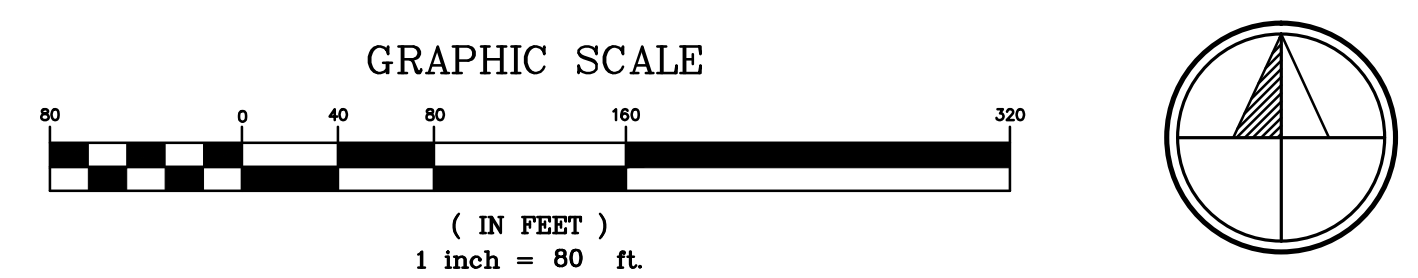


- DRAWING NOTES:**
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 - DIMENSIONAL DATA FOR PUMP STATIONS AND WTP TAKEN FROM PLANS PREPARED BY FOLEY & SCUDDER & J. KENNETH FRASER AND ASSOCIATES FOR THE VILLAGE OF RHINEBECK TITLED "VILLAGE OF RHINEBECK WATER TREATMENT PLANT", DATED AUGUST 1966.
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 - PROPERTY BOUNDARIES PROVIDED BY DUTCHESS COUNTY REAL PROPERTY TAX ON OCTOBER 20, 2016.
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 - CURRENT MEAN HIGHER HIGH WATER MARK (MHHW) REPORTED WITH RESPECT TO NAVD88. MHHW ELEVATION TAKEN FROM DATA FOR KINGSTON, NY IN THE SCENIC HUDSON GIS METHODOLOGY DOCUMENT, PROVIDED MAY 2016.

LEGEND

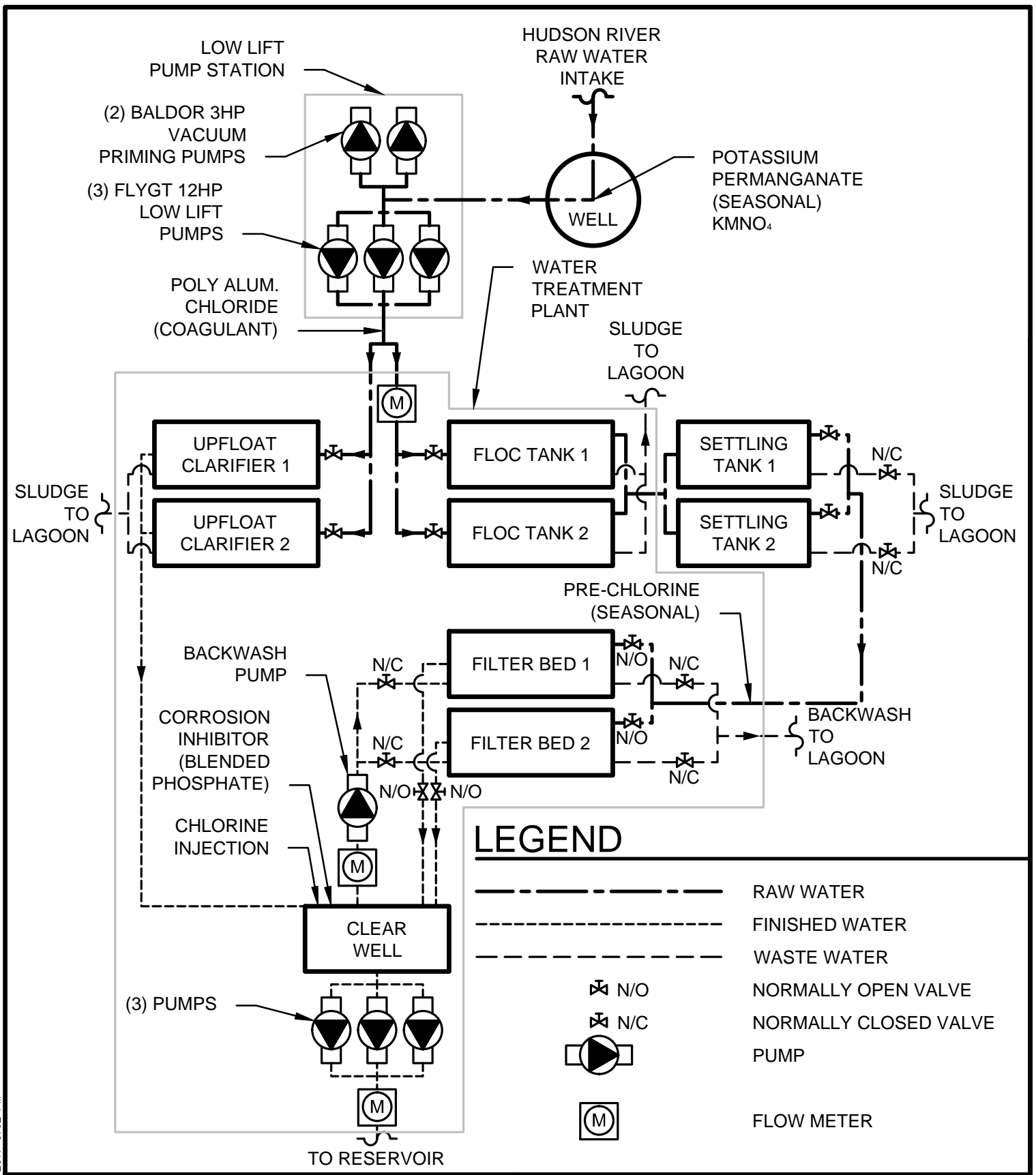
- EXISTING CONTOUR 2' INTERVAL
- EXISTING CONTOUR 10' INTERVAL
- + 1208.75 EXISTING SPOT ELEVATION
- PROPERTY LINE
- EXISTING/PROPOSED EDGE OF PAVEMENT
- EXISTING/PROPOSED DRIVEWAY
- S --- S EXISTING/PROPOSED FILTERED WATER BACKWASH LINE
- RW --- RW EXISTING/PROPOSED RAW WATER LINE
- W --- W EXISTING/PROPOSED TREATED WATER LINE
- OH --- OH EXISTING/PROPOSED OVERHEAD ELECTRIC
- EXISTING/PROPOSED UTILITY POLE
- EXISTING RAILWAY TRACKS
- EXISTING/PROPOSED CULVERT W/ FLARED END SECTION
- ▨ EXISTING/PROPOSED BUILDING
- ▨ PAVEMENT HATCH
- EXISTING MEAN HIGHER HIGH WATER MARK (3.0')
- EXISTING 1% (100YR) ACF HAZARD ZONE (8.2')
- EXISTING 0.2%(500YR) ACF HAZARD ZONE (10.3')
- 2100 INUNDATION ELEVATION (8.9')
- 2100 1% (100YR) ACF ELEVATION (14.1')



REV. No.	ZONE	DATE	BY
VILLAGE OF RHINEBECK WATER SYSTEM VULNERABILITY ASSESSMENT VILLAGE OF RHINEBECK DUTCHESS COUNTY EXISTING CONDITIONS SITE PLAN			
 CRAWFORD & ASSOCIATES ENGINEERING, P.C. 4411 Route 9, Hudson New York 12534			
<small>IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THESE PLANS, SPECIFICATIONS OR REPORTS IN ANY WAY, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.</small>			
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AS SHOWN	APPROVED BY:	APA	
	C&A JOB#	4568.05	DRAWING: FIG A-1

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JENNIFER CRAWFORD 5/31/2017 3:02 PM



**RHINEBECK WATER SYSTEM
VULNERABILITY ANALYSIS**
VILLAGE OF RHINEBECK DUTCHESS COUNTY

CRAWFORD & ASSOCIATES
ENGINEERING, P.C.
4411 Route 9, Hudson New York 12534

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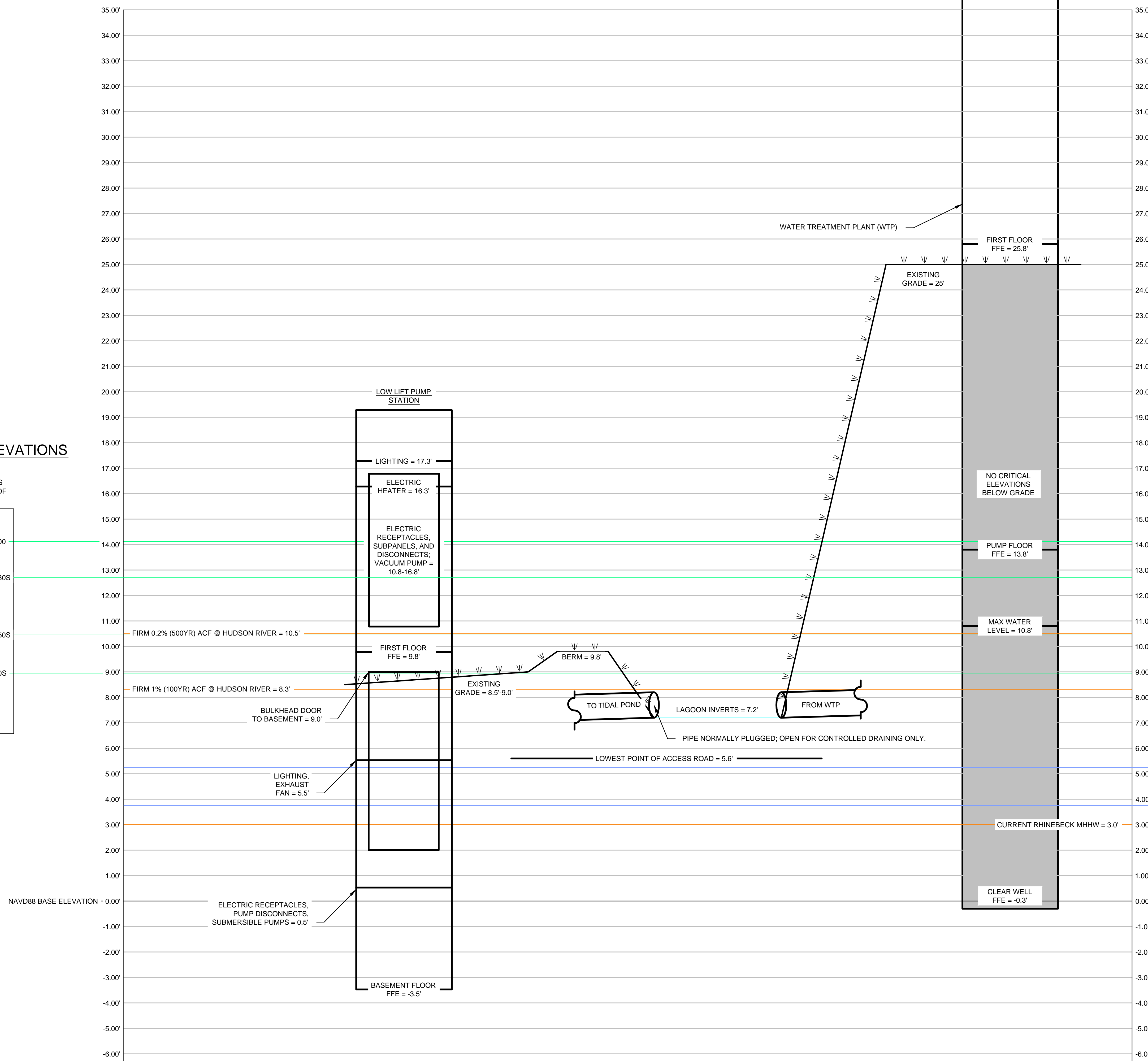
**WATER TREATMENT SYSTEM
SCHEMATIC**

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	APPROVED BY: APA	

100YR FLOOD ELEVATIONS

HIGH DEC PROJECTIONS (PART 490 AS OF JUNE 2016)

71" RISE BY 2100
54" RISE BY 2080S
27" RISE BY 2050S
9" RISE BY 2020S



WTP SCHEMATIC PROFILE
VERTICAL SCALE: 1" = 2'; HORIZONTAL SCALE = N.T.S.

DRAWING NOTES:

- SITE FEATURES HAVE BEEN DIGITALLY TRACED BASED ON 1FT RESOLUTION ORTHOGRAPHIC IMAGERY TAKEN IN 2013 AND ACCESSED VIA USGS EARTH EXPLORER.
- DIMENSIONAL DATA FOR PUMP STATIONS AND WTP TAKEN FROM PLANS PREPARED BY FOLEY & SCUDDER & J. KENNETH FRASER AND ASSOCIATES FOR THE VILLAGE OF RHINEBECK TITLED "VILLAGE OF RHINEBECK WATER TREATMENT PLANT", DATED AUGUST 1966.
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- PROPERTY BOUNDARIES PROVIDED BY DUTCHESS COUNTY REAL PROPERTY TAX ON OCTOBER 20, 2016.
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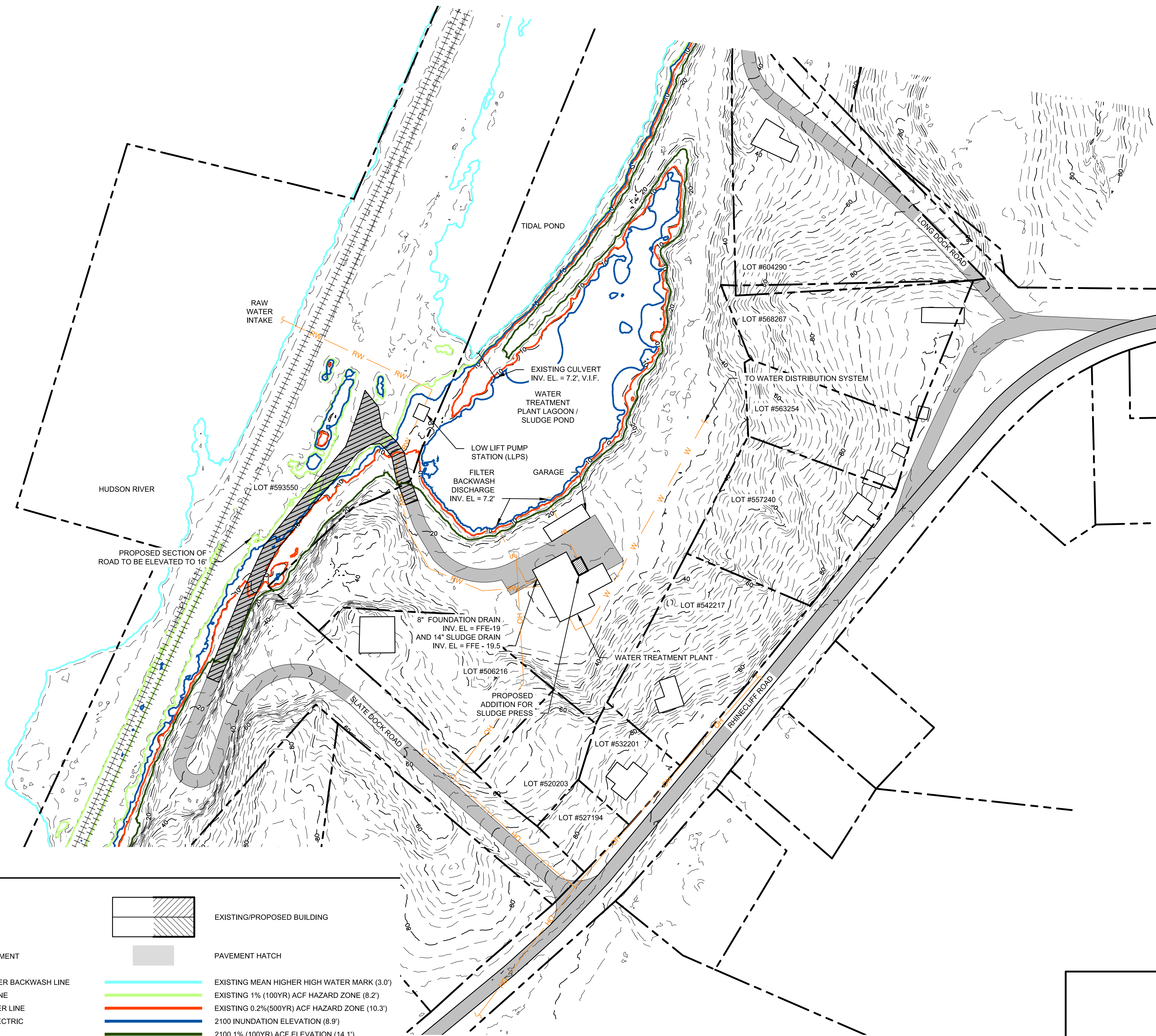
INUNDATION ELEVATIONS

HIGH DEC PROJECTIONS (PART 490 AS OF JUNE 2016)

71" RISE BY 2100
54" RISE BY 2080S
27" RISE BY 2050S
9" RISE BY 2020S

REV. No.	ZONE	DATE	BY
VILLAGE OF RHINEBECK WATER SYSTEM VULNERABILITY ASSESSMENT			
VILLAGE OF RHINEBECK		DUTCHESS COUNTY	
WTP SCHEMATIC PROFILE			
CRAWFORD & ASSOCIATES ENGINEERING, P.C. 4411 Route 9, Hudson New York 12534			
© COPYRIGHT			
DATE 5/31/17	DRAWN BY: JSC	FILE: H:\WORK\4568.02\DWG\4568.02 SITE.dwg	
SCALE AS SHOWN	CHECKED BY: APA	C&A JOB# 4568.05	DRAWING: FIG A-3
	APPROVED BY: APA		

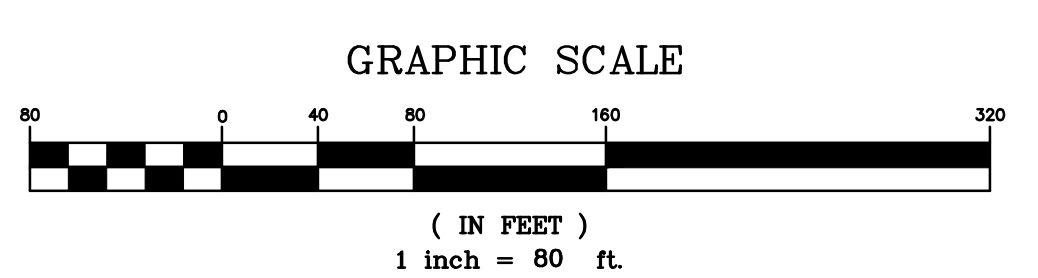
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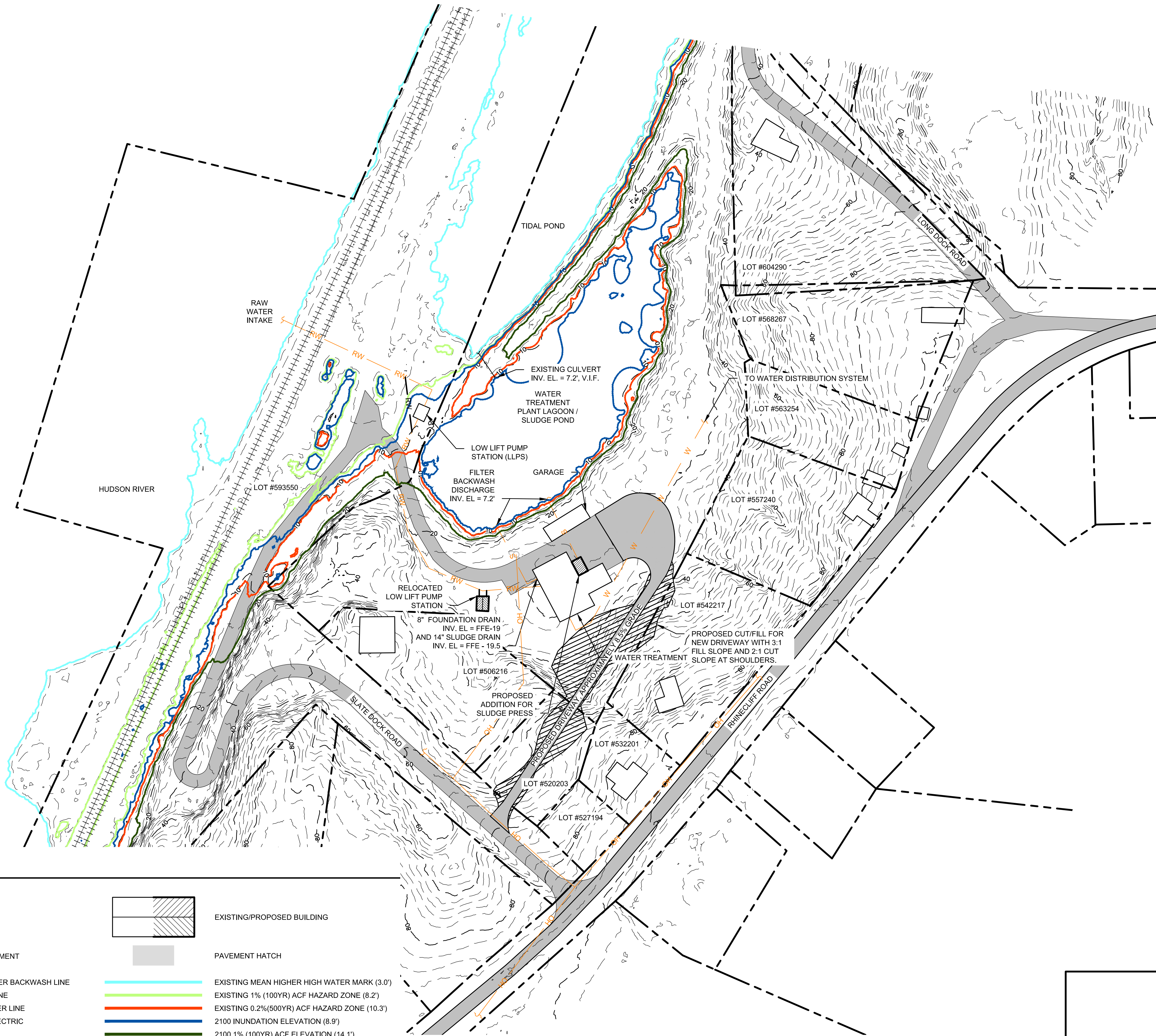
LEGEND

- EXISTING CONTOUR 2' INTERVAL
- EXISTING CONTOUR 10' INTERVAL
- + 1208.75 EXISTING SPOT ELEVATION
- PROPERTY LINE
- EXISTING/PROPOSED EDGE OF PAVEMENT
- EXISTING/PROPOSED DRIVEWAY
- S --- S EXISTING/PROPOSED FILTERED WATER BACKWASH LINE
- RW --- RW EXISTING/PROPOSED RAW WATER LINE
- W --- W EXISTING/PROPOSED TREATED WATER LINE
- OH --- OH EXISTING/PROPOSED OVERHEAD ELECTRIC
- EXISTING/PROPOSED UTILITY POLE
- EXISTING RAILWAY TRACKS
- EXISTING/PROPOSED CULVERT W/ FLARED END SECTION
- ▨ EXISTING/PROPOSED BUILDING
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- 2100 INUNDATION ELEVATION (8.9')
- 2100 1% (100YR) ACF ELEVATION (14.1')
- ▨ PROPOSED ROAD TO BE ELEVATED HATCH



REV. No.	ZONE	DATE	BY
VILLAGE OF RHINEBECK WATER SYSTEM VULNERABILITY ASSESSMENT <small>VILLAGE OF RHINEBECK DUTCHESS COUNTY</small>			
ADAPTATION OPTIONS: ELEVATE ACCESS ROAD			
 CRAWFORD & ASSOCIATES <small>ENGINEERING, P.C.</small> <small>4411 Route 9, Hudson New York 12534</small>			
<small>IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THESE PLANS, SPECIFICATIONS OR REPORTS IN ANY WAY, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.</small>			
DATE	DRAWN BY:	DATE	BY
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SCALE	C&A JOB#	CHECKED BY:	DRAWING:
AS SHOWN	4568.05	APA	FIG A-4

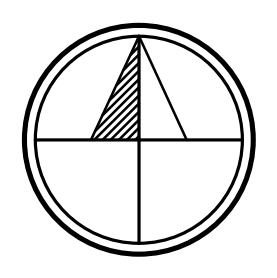
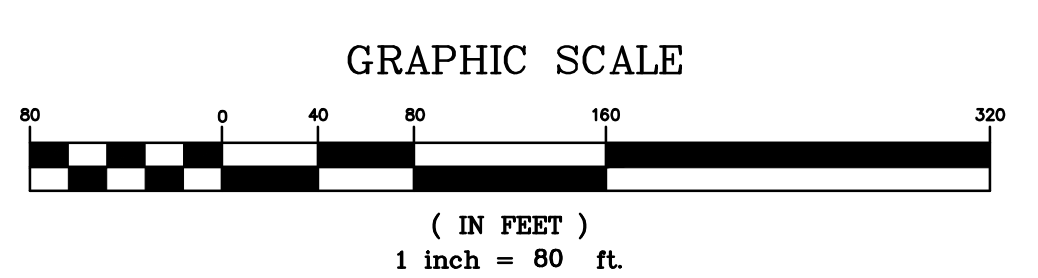
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- DRAWING NOTES:**
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- ○ EXISTING/PROPOSED UTILITY POLE
- ===== EXISTING RAILWAY TRACKS
- EXISTING/PROPOSED CULVERT W/ FLARED END SECTION
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- 2100 1% (100YR) ACF ELEVATION (14.1')
- ▨ PROPOSED ROAD TO BE ELEVATED HATCH



REV. No.	ZONE	DATE	BY
VILLAGE OF RHINEBECK WATER SYSTEM VULNERABILITY ASSESSMENT VILLAGE OF RHINEBECK DUTCHESS COUNTY ADAPTATION OPTIONS: RELOCATE LLPS AND ACCESS ROAD			
 CRAWFORD & ASSOCIATES ENGINEERING, P.C. 4411 Route 9, Hudson New York 12534			
DATE	DRAWN BY:	h:\work\4568.01\dwg\4568.05 SITE.dwg	
5/31/17	JSC		
SCALE	CHECKED BY:	APA	
AS SHOWN	APPROVED BY:	APA	
	C&A JOB#	4568.05	
	DRAWING:	FIG A-5	

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