MATCHLINE SEE SHEET 1

RUNOFF REDUCTION LEGEND

UNCONNECTED IMPERVIOUS AREA

RECEIVING PERVIOUS AREA

EXCLUDED UNDEVELOPED PERVIOUS AREA PER THE EXCLUSION IN ECM APPENDIX I.7.1.B.7 – SITES WITH LAND DISTURBANCE TO UNDEVELOPED LAND THAT WILL REMAIN UNDEVELOPED

LEGEND

DESCRIPTION	SYMBOL
EXISTING GROUND CONTOUR	6910
PROPOSED FINISHED CONTOUR	6910
BASIN BOUNDARY (TRIB. TO POND)	
BASIN BOUNDARY (OFFSITE)	
BASIN BOUNDARY (ONSITE)	
STORM SEWER	
WETLANDS	
100 YR. FLOODPLAIN	
100-Y HWL PER HECRAS ANLYSIS	
BASIN IDENTIFIER	K
AREA IN ACRES	1.5
DESIGN POINT	5
PIPE RUM	17
EXISTING DIRECTION OF FLOW	
Tc PATH	

SCALE: 1"= 100'

PDR PBMP SUMMARY TABLE

BASINS	PBMP TRIB. AREA (AC)	PBMP
A, B1, B2, C, D, E, F, G1, G2, H, & K	22.34	FSD POND 1
L1, L2, O1, O2, O3 O4, & OS-4	20.23	FSD POND 2
Q1, OS-Q1, Q2, OS-Q2, R, OS-R, S1, OS-S1, S2, OS-S2, T1, T2, OS-T2, U1, U2, V, X, W, & OS-7	24.41	FSD POND 3
I, J, M1, P, & Y	8.45	EXCLUDED*
M2 & N	0.58	RUNOFF REDUCTION**

*EXCLUDED UNDEVELOPED PERVIOUS AREA PER THE EXCLUSION IN ECM APPENDIX I.7.1.B.7 - SITES WITH LAND DISTURBANCE TO UNDEVELOPED LAND THAT WILL REMAIN UNDEVELOPED

**UD-BMP VERSION 3.07 RUNOFF REDUCTION WAS USED TO SHOW THAT THIS AREA HAS 100% WQCV REDUCTION BASED UPON THE UNCONNECTED IMPERVIOUS AREA BEING ROUTED OVER THE RECEIVING PERVIOUS AREA.

Replace the basin boundary line

What's the deal with this area? It used to be include have the thick magenta dashed line around it to show that it was tributary to a pond. Now it doesn't. Is this area not trib to a pond? Or did that line just accidentally get deleted?

And show the exclusion area?

PROPOSED FSD POND 2 (0.241 AC-FT. WQCV) (0.278 AC-FT. EURV) (1.027 AC-FT 100-Y) (3:1 SLOPES / 8' MAX. DEPTH) PROP. DESIGN POINT IN-FLOW 5-YR. = 17 CFS 100-YR. = 31 CFS PROP. MHFD UD DET IN-FLOW 5-YR. = 7.7 CFS 100-YR. = 29.3 CFS PROPOSED RELEASE 5-YR. = 0.2 CFS 100 YR. =15.1 CFS

PROPOSED FSD POND 3 (1.398 AC-FT. WQCV) (3.231 AC-FT. EURV) (7.398 AC-FT 100-Y) (3:1 SLOPES / 8' MAX. DEPTH) PROP. DESIGN POINT IN-FLOW 5-YR. = 112 CFS 100-YR. = 246 CFS PROP. MHFD UD DET IN-FLOW 5-YR. = 99.5 CFS 100-YR. = 247.2 CFS PROPOSED RELEASE 5-YR. = 1.2 CFS 100 YR. = 58.0 CFS

EXISTING OFF-SITE SWQ POND 1 (0.52 AC-FT. WQCV REQ. 0.66 AC-FT. WQCV PROVIDED WITH INSTALLED CONCRETE OUTLET BOX AND ORIFICE PLATE

EXIST. IN-FLOW 5-YR. = 18 CFS 100-YR. = 133 CFS

EXIST. RELEASE 5-YR. = 13 CFS 100 YR. = 131 CFS

EXISTING OFF-SITE SWQ POND 2 (0.34 AC-FT. WQCV REQ. 0.60 AC-FT. WQCV PROVIDED WITH INSTALLED CONCRETE OUTLET BOX AND ORIFICE PLATE

PROPOSED IN-FLOW 5-YR. = 10 CFS 100-YR. = 53 CFS

PROPOSED RELEASE 5-YR. = 0.4 CFS 100 YR. = 51 CFS

EXIST OFF-SITE SWQ POND 3 (IN-LINE) 0.66 AC-FT. WQCV REQ. 1.2 AC-FT. WQCV PROVIDED WITHIN THE EXIST. STOCK POND

PROPOSED IN-FLOW 5-YR. = 69 CFS 100-YR. = 397 CFS

PROPOSED RELEASE 5-YR. = 69 CFS 100 YR. = 396 CFS

HISTORIC RELEASE 5-YR. = 76 CFS 100 YR. = 437 CFS

PROPOSED FSD POND 1 (0.391 AC-FT. WQCV) (1.002 AC-FT. EURV) (2.154 AC-FT 100-Y) (3:1 SLOPES / 8' MAX. DEPTH) PROP. DESIGN POINT IN-FLOW 5-YR. = 26 CFS 100-YR. = 59 CFS PROP. MHFD UD DET IN-FLOW 5-YR. = 24.5 CFS 100-YR. = 60.0 CFS PROPOSED RELEASE 5-YR. = 0.4 CFS 100 YR. =14.5 CFS

EXIST. STOCK POND CONVERTED TO SWQ FOREBAY FOR MITIGATION OF 4-WAY RANCH FIL. 1 AND PORTIONS OF WATERBURY DEVELOPMENT

EXIST. DRAINAGE ESMT. REC # 2140071(R)

EX. 4'X4' CONC. OUTLET BOX W/ INTEGRAL MICROPOOL AND 24" RCP OUTLET PIPE AND E/G BLANKET AT SPILLWAY

4'X4' CONC. OUTLET BOX W/ INTEGRAL MICROPOOL AND 18" RCP OUTLET PIPE

24" WIDE CONCRETE TRICKLE CHANNEL

18'X12' CONC. FOREBAY W/ RIP-RAP

EX. 4'X4' CONC. OUTLET BOX W/ INTEGRAL MICROPOOL AND 24" RCP OUTLET PIPE

EXIST. (2) 4' HIGH x 8' WIDE CBC

EX. 4'X4' CONC. OUTLET BOX W/ INTEGRAL MICROPOOL AND 24" RCP OUTLET PIPE

EXIST. DRAINAGE ESMT. (BY SEPARATE INSTRUMENT)

HAUSMEN EASEMENT ACCESS FOR CHANNEL MAINTENANCE

STA 250 TO STA 550 100 LF OF SELECTIVE RIPRAP BANK STABILIZATION

STA 1350 TO STA 1450 100 LF OF SELECTIVE RIPRAP BANK STABILIZATION

STA 1850 TO STA 1950 100 LF OF SELECTIVE RIPRAP BANK STABILIZATION

STA 14+00.00 INSTALL SHEET PILE CHECK STRUCTURE W/ CONCRETE CAP, TOP=6944.00 BOT=6941.00 SEE SHEET 10 FOR DETAILS 9.27 & 9.28

INSTALL 22'Wx33'L SPILLWAY W/ D50=9" TYPE L RIPRAP BURY DEPTH = 18"

SEE APPENDIX FOR ALL OFF-SITE SWQ BASINS TRIBUTARY TO THE PROPOSED SWQ PONDS.

REVISIONS

NO.	DESCRIPTION	DATE

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, TERRA NOVA ENGINEERING AND SURVEYING, INC. APPROVES THEIR USE ONLY FOR THE PURPOSES DESIGNATED BY WRITTEN AUTHORIZATION.

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WATERBURY FILING NO. 1

PRELIMINARY
PROPOSED DRAINAGE MAP
ON-SITE

DESIGNED BY	QNA
DRAWN BY	QNA
CHECKED BY	
H-SCALE	1"=100
V-SCALE	NA
JOB NO.	1715.00
DATE ISSUED	11/22/22
SHEET NO.	2 OF 2