

UTILITY CROSSING

WETLAND	SANITARY	WATERMAIN	STORM SEWER	NOTES:
WETLAND B	NA	NA	NA	NO UTILITIES PROPOSED
WETLAND C	45 LF (SLEEVED)	61 LF	38 LF - 24" STORM	SANITARY IS PROPOSED TO BE SLEEVED TO 10' OUTSIDE EITHER SIDE OF WETLAND
WETLAND E	NA	NA	35 LF - 12" STORM	WETLAND PROPOSED TO BE FILLED

NOTE: ALL SANITARY IS PROPOSED 8" ABS TRUSS PIPE PREMIUM JOINTS INSTALLED VIA OPEN CUT - 6'-14" BELOW EXISTING GRADE - MAX TRENCH WIDTH 20"
 NOTE: ALL WATERMAIN IS PROPOSED TO 8" CLASS S4 DUCTILE IRON - OPEN CUT INSTALLATION 5.5' - 6' BELOW GRADE - MAX TRENCH WIDTH 15"
 NOTE: ALL STORM WATER PIPE IS PROPOSED TO BE CLASS 5 RCP WITH PREMIUM JOINTS. PIPE SIZE VARIES - DEPTH 3' - 5' - MAX TRENCH WIDTH 12"

25' NATURAL FEATURES SETBACK DISTURBANCES

*PROPOSED PLANS REQUEST TO REDUCE THE DISRUPTION OF 25' NATURAL FEATURES SETBACK FROM 25' TO 0' WETLANDS B & E AND ONE SIDE OF WETLAND C

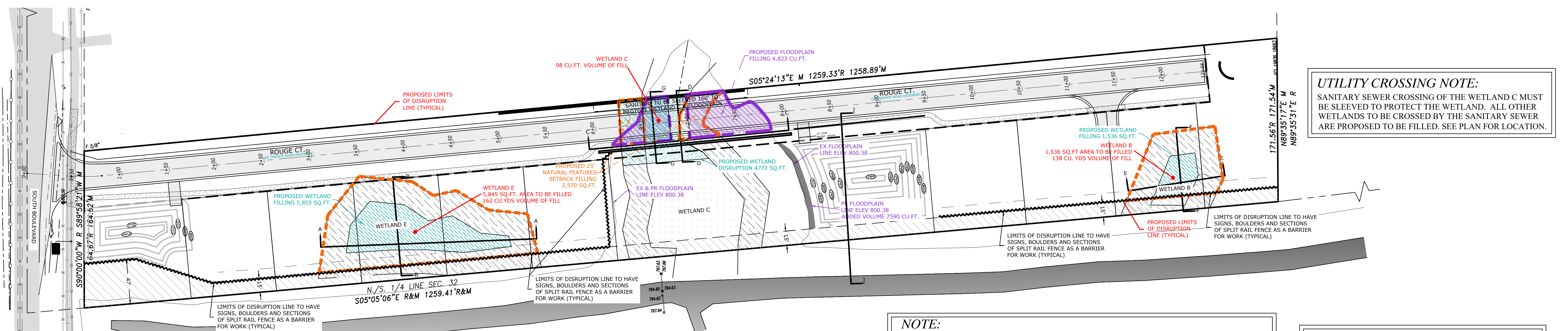
WETLAND	LENGTH OF 25' SETBACK	LENGTH OF DISRUPTION OF 25' SETBACK	REDUCTION
WETLAND B	155 FT.	155 FT.	ALL ON SITE
WETLAND C	330 FT.	330 FT.	ALL ON SITE 45 FT NEW CREATED
WETLAND E	398 FT.	398 FT.	ALL ON SITE

WETLAND DISTURBANCES

WETLAND	AREA OF WETLAND	AREA OF DISRUPTION OF WETLAND	WETLAND FILL VOLUME
WETLAND B	1,860 SQ.FT.	1,536 SQ.FT.	138 CU.YDS.
WETLAND C	11,576 SQ.FT.	4,772 SQ.FT.	98 CU.YDS.
WETLAND E	5,845 SQ.FT.	5,845 SQ.FT.	162 CU.YDS.
TOTAL	19,281 SQ.FT.	10,753 SQ.FT.	398 CU.YDS.

FLOODPLAIN DISTURBANCES

WETLAND	EX VOLUME FLOODPLAIN	FLOODPLAIN VOLUME REMOVED	FLOODPLAIN VOLUME MITIGATED
WETLAND B	NA	NA	NA
WETLAND C	80,995 CF	4,823 SQ.FT.	7590 CU.FT.
WETLAND E	NA	NA	NA
TOTAL	80,995 CF	4,823 SQ.FT.	7590 CU.FT.



NOTE:
 MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES AND ENERGY PERMIT WILL BE REQUIRED FOR FILLING IN THE FLOOD PLAN AND THE WETLAND AS SHOWN ON THIS PLAN.
 OAKLAND COUNTY WATER RESOURCE COMMISSIONER PERMIT WILL BE REQUIRED FOR DISCHARGING THE STORM WATER EFFLUENT INTO THE LEUDER'S DRAIN.

NOTE:
 THE CURRENT PLANS SHOW THAT THE OUTFLOW PIPE FROM BOTH DETENTION BASINS 1 AND 2 ARE PROPOSED TO OUTLET INTO LEUDERS DRAIN. THIS PROPOSED ACTION QUALIFIES FOR AN EXEMPTION TO THE WETLAND AND WATERCOURSE ORDINANCE PROVIDED THE FOLLOWING IS MET:
 (1) A PRIOR WRITTEN NOTICE IS GIVEN TO THE CITY ENGINEER AND WRITTEN CONSENT IS OBTAINED FROM THE CITY MAYOR PRIOR TO WORK COMMENCING;
 (2) THE WORK IS CONDUCTED USING BEST MANAGEMENT PRACTICES (BMP'S) TO ENSURE FLOW AND CIRCULATION PATTERNS AND CHEMICAL AND BIOLOGICAL CHARACTERISTICS OF WETLANDS ARE NOT IMPACTED; AND
 (3) SUCH THAT ALL IMPACTS TO AQUATIC ENVIRONMENT ARE MINIMIZED.

NOTE:
 ALL WETLANDS WERE FLAGGED BY BARR ENGINEERING COMPANY ON APRIL 15, 2021

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BEFORE YOU DIG CALL MISS DIG 1-800-482-7171

SOUTH BOULEVARD WETLAND PLAN
 SOUTH BLVD, CITY OF ROCHESTER HILLS
 THREE GENERATIONS ROCHESTER HILLS SITE PLANS

ISSUE DATES

CITY SITE PLAN	04/2022
CITY SITE PLAN	10/21/2022
CITY SITE PLAN	12/21/2022
CITY SITE PLAN	2/28/2023
CITY SITE PLAN	4/7/2023

DRAWN MCS
DESIGNED MCS
APPROVED MCP
 P.E. JOB No. 21-450
SCALE AS SHOWN
S6
 SITE PLAN