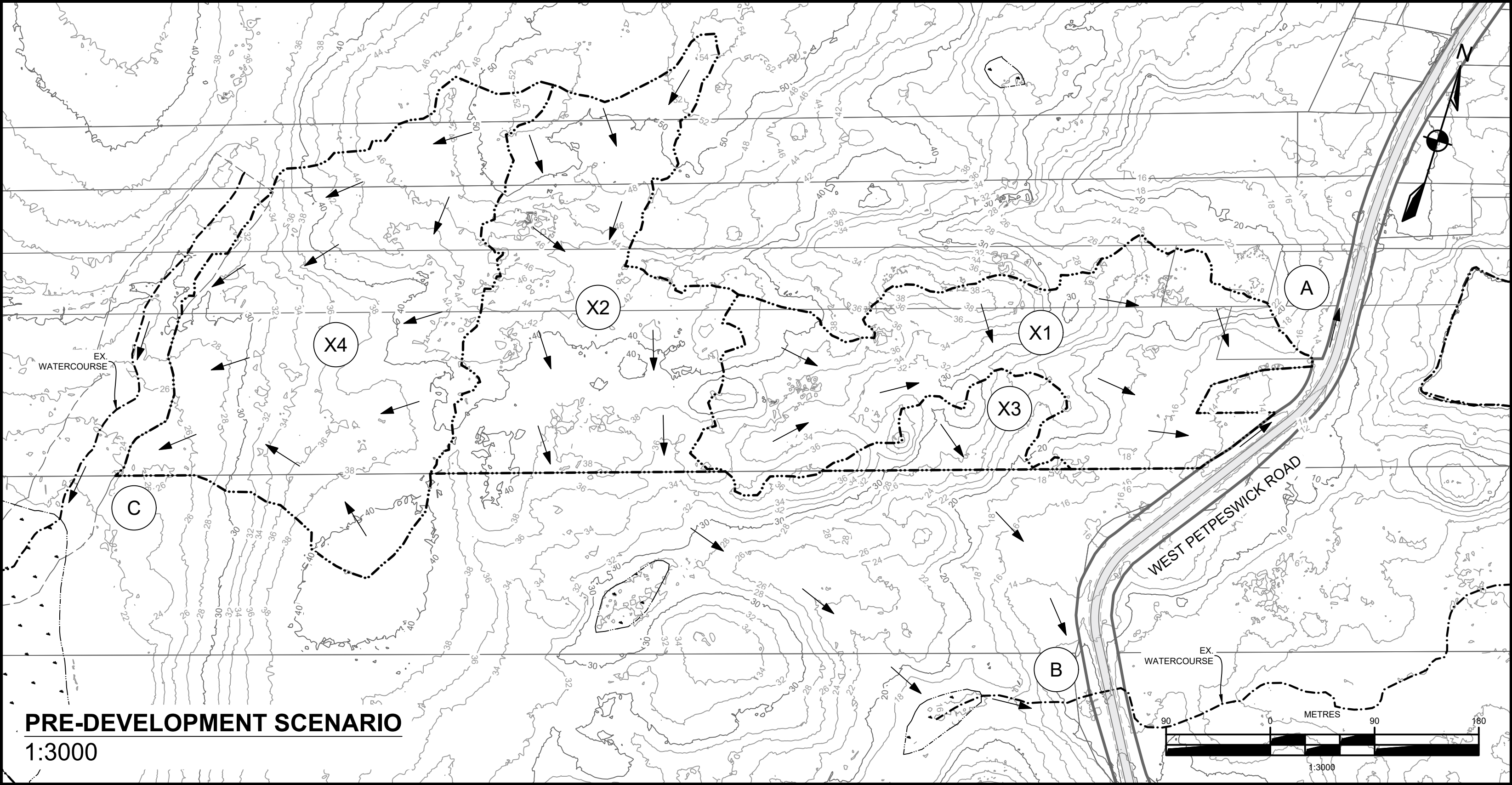




24 HR RAINFALL DEPTHS AS FOLLOWS:

- 5 YEAR RETURN: 92 mm
- 10 YEAR RETURN: 104 mm
- 25 YEAR RETURN: 119 mm
- 50 YEAR RETURN: 130 mm
- 100 YEAR RETURN: 141 mm

ANTECEDENT MOISTURE CONDITION (AMC) = 2

STORARE VOLUME REQUIRED FOR PROP. STORMWATER POND 1
TO BALANCE PRE/POST-DEVELOPMENT FLOWS:

- 5 YEAR RETURN: 94 m³
- 10 YEAR RETURN: 119 m³
- 25 YEAR RETURN: 145 m³
- 50 YEAR RETURN: 164 m³
- 100 YEAR RETURN: 184 m³

STORARE VOLUME REQUIRED FOR PROP. STORMWATER POND 2
TO BALANCE PRE/POST-DEVELOPMENT FLOWS:

- 5 YEAR RETURN: 235 m³
- 10 YEAR RETURN: 289 m³
- 25 YEAR RETURN: 351 m³
- 50 YEAR RETURN: 398 m³
- 100 YEAR RETURN: 447 m³

CATCHMENT SCS PARAMETERS			
ID	AREA (Ha)	CN	Tc (min)
X1	6.40	76	25.5
X2	5.92	76	28.1
X3	1.01	76	13.1
X4	8.17	76	22.3
A1	3.63	81	18.5
A2	0.58	76	13.9
A3	0.98	81	15.1
A4	6.63	79	33.3
A5	0.70	76	12.1
A6	0.99	75	11.1
A7	7.99	76	22.3

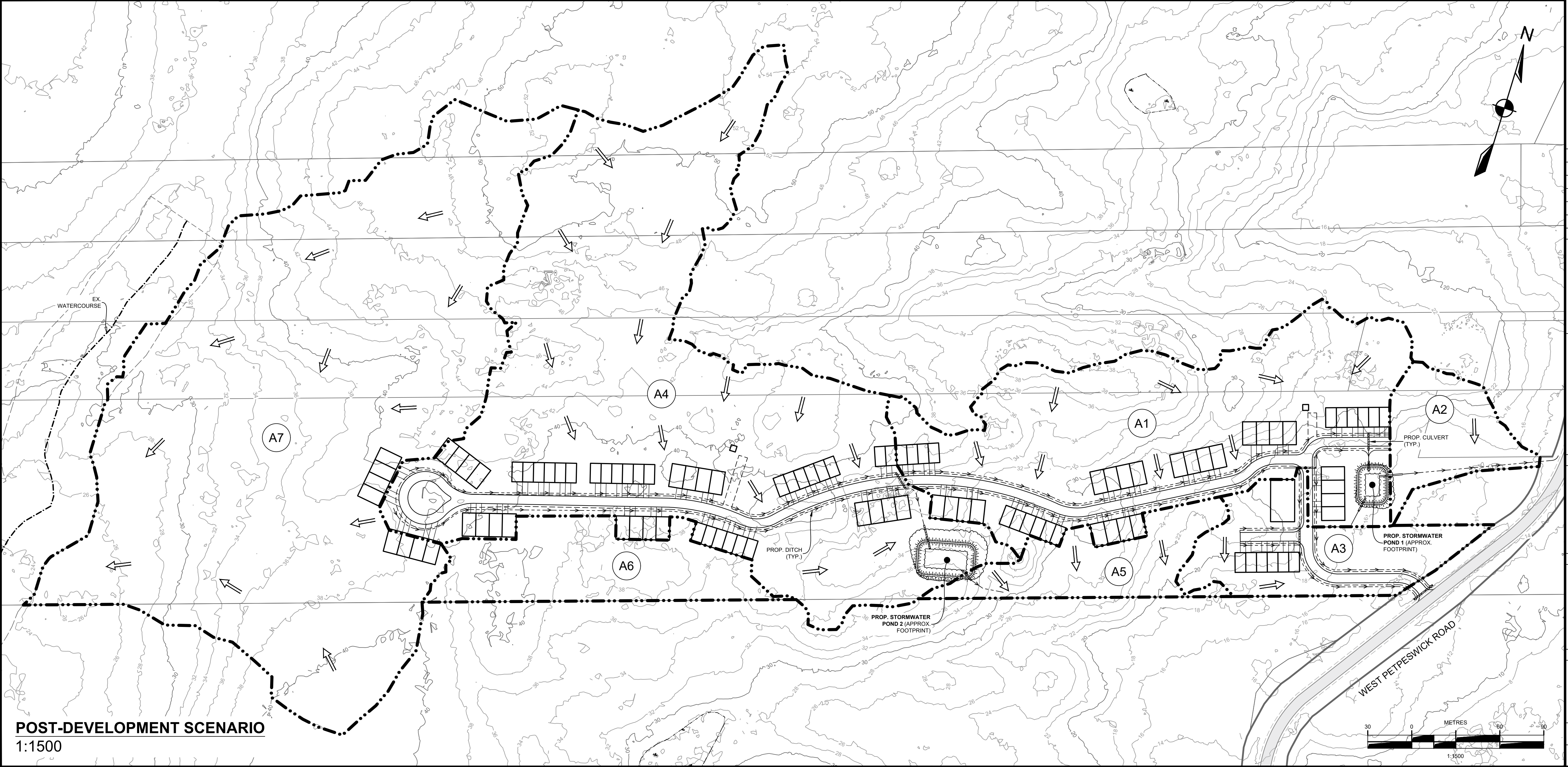
RETURN PERIOD	PRE- AND POST-DEVELOPMENT RUNOFF "A" (m/s)	
	PRE-	POST-
5-YR	0.2758	0.2679
10-YR	0.3518	0.3251
25-YR	0.4536	0.4182
50-YR	0.5300	0.4870
100-YR	0.6094	0.5504

RETURN PERIOD	PRE- AND POST-DEVELOPMENT RUNOFF "B" (m/s)	
	PRE-	POST-
5-YR	0.2747	0.2547
10-YR	0.3500	0.3249
25-YR	0.4510	0.4211
50-YR	0.5268	0.4905
100-YR	0.6056	0.5500

RETURN PERIOD	PRE- AND POST-DEVELOPMENT RUNOFF "C" (m/s)	
	PRE-	POST-
5-YR	0.3770	0.3686
10-YR	0.4810	0.4702
25-YR	0.6206	0.6067
50-YR	0.7262	0.7089
100-YR	0.8342	0.8154

LEGEND		
EXISTING	MAJOR CONTOUR	PROPOSED
---10---	---10---	---10---
---10---	MINOR CONTOUR	---10---
	TOP OF SLOPE	
----	BOTTOM OF SLOPE	----
----	EASEMENT	----
----	RIGHT OF WAY	----
----	LOT LINE	----
○ ST-6	STORM PIPE	--- ST --- ST ---
----	SUBCATCHMENT AREA	----
EXISTING	PROPOSED	EXISTING
PRECAST HEADWALL	CATCHBASIN	
CATCHMENT ID	A	SUBCATCHMENT ID
	A1	

NOTES:
1. ELEVATIONS ARE REFERENCED TO NOVA SCOTIA PROVINCIAL LIDAR (CGVD2013). CONTOUR INTERVAL IS 2 m.
2. ALL STORM WATER MANAGEMENT INFRASTRUCTURE SUBJECT TO DETAILED DESIGN.



1	JUL. 11, 2025	ISSUED FOR REVIEW	AK
ISSUE	DATE	DESCRIPTION	INT.
CONSULTANT			
DESIGNPOINT engineering • surveying • solutions			
902.832.5597 designpoint.ca			
PRELIMINARY AUG. 08, 2025			
CLIENT			
zap			
PROJECT DESCRIPTION			
WEST PETPESWICK ROAD			
WEST PETPESWICK, NOVA SCOTIA			
SHEET DESCRIPTION			
PRELIMINARY STORMWATER MANAGEMENT PLAN			
Drawn A. KITSUTA	Engineer J. WYATT	Project No. 25-229	Drawing No. ST-01
Scale AS NOTED	Filename 25-229_Storm.dwg	5 of 5	