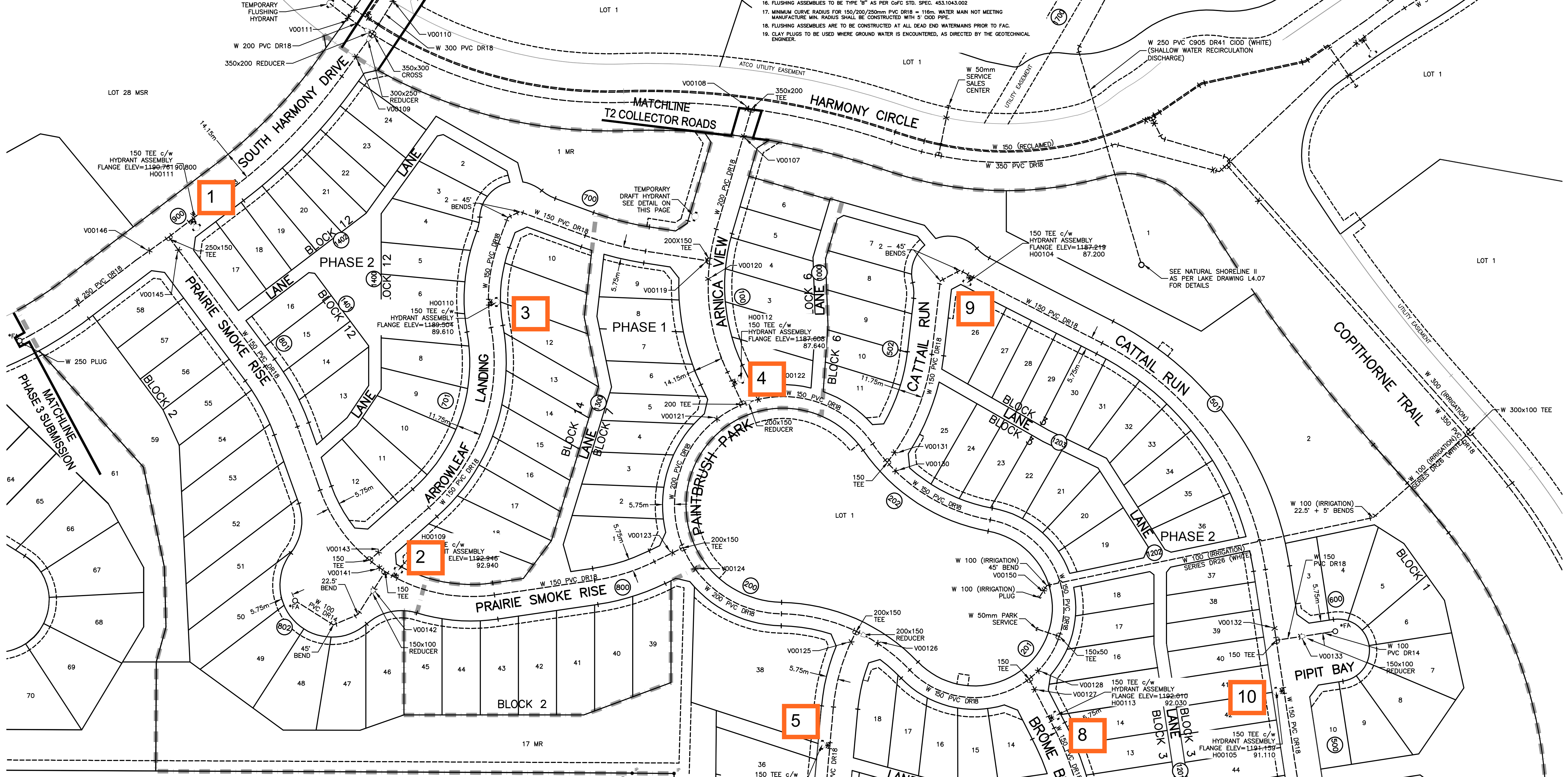


- GENERAL NOTES:**
1. ALL PIPE SIZES ARE IN MM AND ALL DIMENSIONS IN METERS UNLESS OTHERWISE STATED.
 2. ALL MATERIALS AND CONSTRUCTION TO CONFORM TO ROCKYVIEW COUNTY STANDARDS AND SPECIFICATIONS IN FORCE AT TIME OF REVISED FINAL APPROVAL.
 3. NO CONSTRUCTION SHALL PROCEED UNTIL ALL APPROPRIATE REGULATORY APPROVALS ARE OBTAINED.
 4. ALL PLANS SUBJECT TO TERMS OF THE DEVELOPMENT AGREEMENT/PERMIT AND THE CONTRACT DOCUMENTS.
 5. ANY ERRORS OR DISCREPANCIES TO BE REPORTED TO THE CONSULTANT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 6. ALL COMPACTON TO BE IN ACCORDANCE WITH ROCKYVIEW COUNTY SPECIFICATIONS AND RECOMMENDATIONS OF GEOTECHNICAL ENGINEER.
 7. CONTRACTOR TO BE RESPONSIBLE FOR LOCATION AND ALIGNMENT OF ALL EXISTING UTILITIES. EXACT LOCATION OF ALL EXISTING INFRASTRUCTURE (HORIZONTAL AND VERTICAL) TO BE CONFIRMED IN THE FIELD BEFORE CONSTRUCTION BEGINS.
 8. CONTRACTOR TO TAKE CARE WHEN WORKING NEAR EXISTING INFRASTRUCTURE.
 9. CONTRACTOR TO COORDINATE ALL CONSTRUCTION +/- ASSOCIATED OWNER(S) WHEN WORKING NEAR EXISTING INFRASTRUCTURE.
 10. EXISTING SURFACE FEATURES TO BE REINSTATED TO CONDITIONS PRECEDING CONSTRUCTION WHERE EXISTING CONDITIONS WILL BE MAINTAINED.
 11. PLAN IS PREPARED AT GROUND SCALE USING STN NAD 83 BEARINGS DERIVED FROM GPS OBSERVATIONS. COMBINED SCALE FACTOR(CSF)=0.999724
 - GROUND TO GRID, SCALE THE DRAWING ABOUT 0.0 USING THE CSF.
 - GRID TO GROUND, SCALE THE DRAWING ABOUT 0.0 USING THE INVERSE (1/CSF).

- WATER SYSTEM PLAN NOTES:**
1. ALL WATER MAIN TO BE PVC DR18 UNLESS OTHERWISE NOTED.
 2. ALL PIPE BACKFILL SHALL SATISFY A MINIMUM TYPE 2 INSTALLATION WATERWORKS SPECIFICATIONS WITH CLASS 1B BEDDING OR OTHERWISE NOTED. REFER TO GEOTECHNICAL REPORT PROVIDED BY MICHTOSH-LALAN ENGINEERING LTD. - JANUARY, 2014.
 3. LOCATION AND SPACING OF HYDRANTS ARE TO FOLLOW CcF STD.
 4. MINIMUM DEPTH TO PIPE CROWN SHALL BE 2.70m IN CLAY AND 3.30m IN GRAVEL BASE.
 5. ALL WATER MAINS AND APPURTENANCES MUST BE PROPERLY TESTED PRIOR TO UTILIZATION.
 6. PRIOR TO COMMENCING AND DURING ANY PRESSURE TESTING, CHLORINATING, OR FLUSHING OF MAINS, A WATER SERVICES INSPECTOR MUST BE ON SITE.
 7. NO HYDRANTS ARE TO BE USED FOR CONSTRUCTION WATER UNLESS OTHERWISE AUTHORIZED.
 8. WATER INFRASTRUCTURE TO MAINTAIN A MINIMUM 4.00m SEPARATION FROM TREES AND STREET LIGHTS.
 9. WATER INFRASTRUCTURE TO MAINTAIN A MINIMUM 2.50m SEPARATION FROM STORM SEWER MAINS, MANHOLES, AND CATCH BASINS.
 10. ALL EXISTING WATER MAINS ARE OPERATIONAL AND MUST BE MAINTAINED AS SUCH DURING CONSTRUCTION OR SUITABLE ALTERNATE SERVICE CONDITIONS PROVIDED.
 11. EXISTING UTILITY INFORMATION SHOWN ON THIS DRAWING IS COMPILED FROM RECORD INFORMATION PROVIDED BY OTHERS.
 12. ALL HYDRANTS TO BE McAWHY M67-S. REFERENCE ROCKYVIEW COUNTY FIRE HYDRANT BYLAW FOR TYPE AND COLOR OF PAINT.
 13. ALL VALVES TO TURN COUNTER CLOCKWISE, AS PER ROCKYVIEW COUNTY STD.
 14. ALL THRUST BLOCKS TO BE INSTALLED AS PER CcF STD. SPEC. 453.1003.007
 15. ALL WATER MAIN TO USE NITRILE GASKETS.
 16. FLUSHING ASSEMBLIES TO BE TYPE "B" AS PER CcF STD. SPEC. 453.1043.002
 17. MINIMUM CURVE RADIUS FOR 150/200/250mm PVC DR18 = 116m. WATER MAIN NOT MEETING MANUFACTURE MIN. RADIUS SHALL BE CONSTRUCTED WITH 5" C900 PIPE.
 18. FLUSHING ASSEMBLIES TO BE CONSTRUCTED AT ALL DEAD END WATERMANS PRIOR TO FAC.
 19. CLAY PLUGS TO BE USED WHERE GROUND WATER IS ENCOUNTERED, AS DIRECTED BY THE GEOTECHNICAL ENGINEER.



Hydrant	Date	Time	Diameter (in)	Pres. 1 (psi)	Pres. 2 (psi)	Flow 1 (USGPM)	Flow 2 (USGPM)	Flow Total (USGPM)	Flow 1 (L/s)	Flow 2 (L/s)	Flow Total (L/s)	Static Hydrant #	Static Pres. (psi)	Min. Pres. (psi)	Stable Pres. (psi)
1	21-Nov-16	16:50	2.5	40	14	1,180	698	1,877	74	44	118	12	125	50	95
2	21-Nov-16	17:00	2.5	42	11	1,209	619	1,827	76	39	115	12	125	50	95
3	21-Nov-16	17:15	2.5	44	10	1,237	590	1,827	78	37	115	12	125	50	95
4	21-Nov-16	17:31	2.5	46	14	1,265	698	1,963	80	44	124	12	125	50	95
5	22-Nov-16	10:43	2.5	38	14	1,150	698	1,847	73	44	117	2	115	45	85
6	22-Nov-16	11:23	2.5	34	10	1,087	590	1,677	69	37	106	2	120	45	80
7	22-Nov-16	11:55	2.5	38	14	1,150	698	1,847	73	44	117	6	110	40	75
8	22-Nov-16	12:13	2.5	38	8	1,150	528	1,677	73	33	106	6	115	35	80
9	22-Nov-16	12:40	2.5	44	7	1,237	493	1,731	78	31	109	6	110	32	85
10	22-Nov-16	12:50	2.5	36	13	1,119	672	1,791	71	42	113	6	115	33	83
11	22-Nov-16	13:10	2.5	42	13	1,209	672	1,881	76	42	119	6	115	30	85

URBAN systems #101-2716 SUNRIDGE WAY N.E. CALGARY, ALBERTA T1Y 0A5
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HARMONY DEVELOPMENTS INC.
HARMONY STAGE 1 - PHASE 1 & 2
WATER DISTRIBUTION PLAN

PROJECT No. 2569.0051.02
DRAWING No. 2569.0051.02.T1-B1

DESTROY ALL PRINTS PRIOR TO

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- GENERAL NOTES:**
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 17. MINIMUM CURVE RADIUS FOR 150/200/250mm PVC DR18 = 116m. WATER MAIN NOT MEETING MANUFACTURE MIN. RADIUS SHALL BE CONSTRUCTED WITH 9' CHD PIPE.
 18. FLUSHING ASSEMBLIES ARE TO BE CONSTRUCTED AT ALL DEAD END WATERMANS PRIOR TO FAC.
 19. CLAY PLUGS TO BE USED WHERE GROUND WATER IS ENCOUNTERED, AS DIRECTED BY THE GEOTECHNICAL ENGINEER.

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Hydrant	Date	Time	Diameter (in)	Pres. 1 (psi)	Pres. 2 (psi)	Flow 1 (USGPM)	Flow 2 (USGPM)	Flow Total (USGPM)	Flow 1 (L/s)	Flow 2 (L/s)	Flow Total (L/s)	Static Hydrant #	Static Pres. (psi)	Min. Pres. (psi)	Stable Pres. (psi)
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PROJECT No. 2569.0051.02
 DRAWING No. 2569.0051.02.T1-B2

DESTROY ALL PRINTS PRIOR TO

B2

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