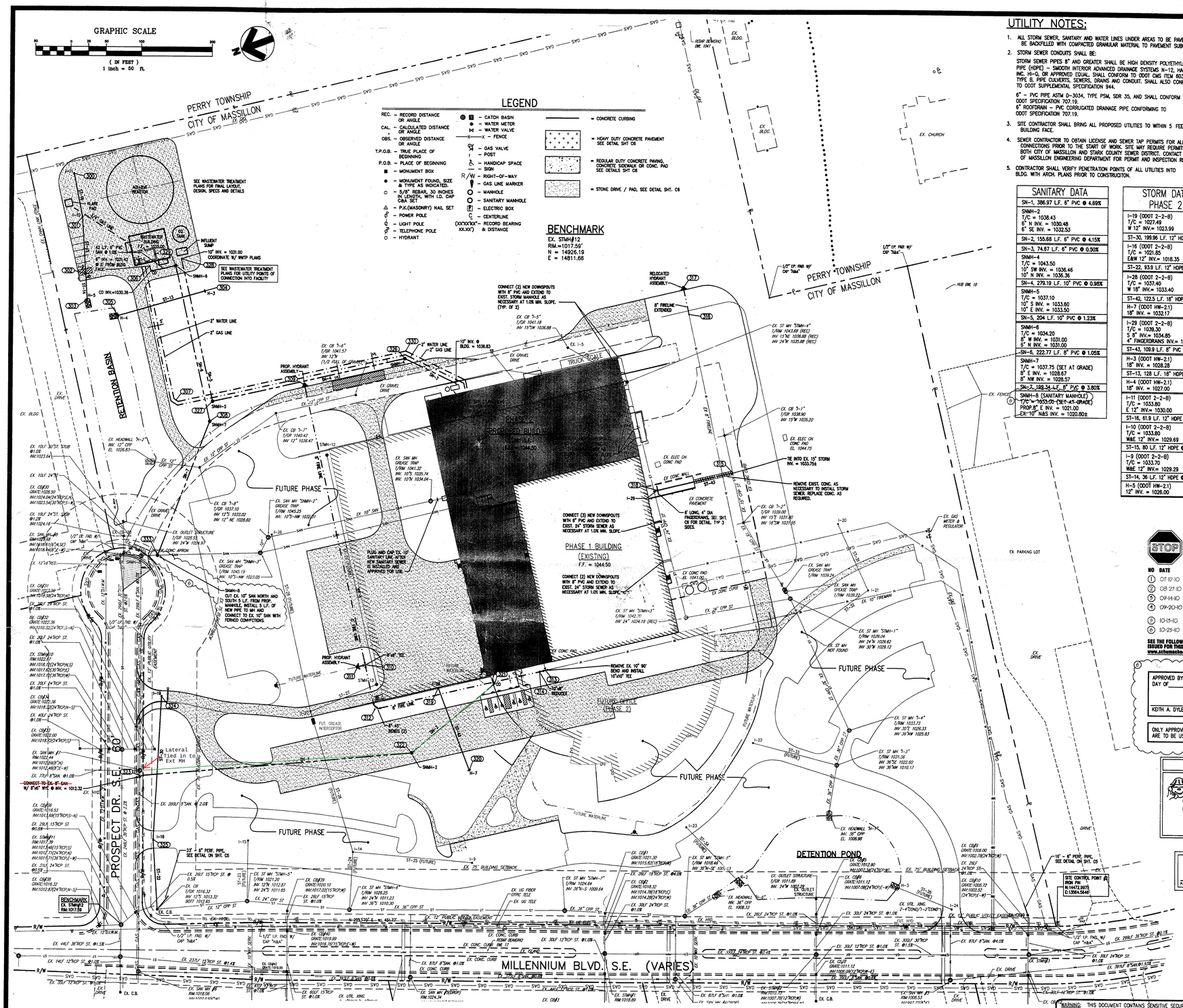

PHASE 2 UTILITY PLAN

UTILITY NOTES:

1. ALL STORM SEWER, SANITARY AND WATER LINES UNDER AREAS TO BE PAVED ARE TO BE BACKFILLED WITH COMPACTED GRANULAR MATERIAL TO PAVEMENT SUBGRADE.
2. STORM SEWER CONDUITS SHALL BE:

   STORM SEWER PIPES 8" AND GREATER SHALL BE HIGH DENSITY POLYETHYLENE PIPE (HDPE) – SMOOTH INTERIOR ADVANCED DRAINAGE SYSTEMS N-12, HANCOR INC. H-O, OR APPROVED EQUAL. SHALL CONFORM TO ODOT CMS ITEM 603 TYPE B, PIPE CULVERTS, SEWERS, DRAINS AND CONDUIT. SHALL ALSO CONFORM TO ODOT SUPPLEMENTAL SPECIFICATION 944.

   6" – PVC PIPE ASTM D-3034, TYPE PSM, SDR 35, AND SHALL CONFORM TO ODOT SPECIFICATION 707.19.
   6" ROOFDRAIN – PVC CORRUGATED DRAINAGE PIPE CONFORMING TO ODOT SPECIFICATION 707.19.
3. SITE CONTRACTOR SHALL BRING ALL PROPOSED UTILITIES TO WITHIN 5 FEET OF BUILDING FACE.
4. SEWER CONTRACTOR TO OBTAIN LICENSE AND SEWER TAP PERMITS FOR ALL CONNECTIONS PRIOR TO THE START OF WORK. SITE MAY REQUIRE PERMITS FROM BOTH CITY OF MASSILLON AND STARK COUNTY SEWER DISTRICT. CONTACT THE CITY OF MASSILLON ENGINEERING DEPARTMENT FOR PERMIT AND INSPECTION REQUIREMENTS.
5. CONTRACTOR SHALL VERIFY PENETRATION POINTS OF ALL UTILITIES INTO BLDG. WITH ARCH. PLANS PRIOR TO CONSTRUCTION.

SANITARY DATA

SN-1, 386.97 L.F. 6" PVC @ 4.69%
SNMH-2
T/C = 1038.43
6" N INV. = 1030.48
6" SE INV. = 1032.53
SN-2, 155.68 L.F. 6" PVC @ 4.15%
SN-3, 74.67 L.F. 6" PVC @ 0.50%
SNMH-4
T/C = 1043.50
10" SW INV. = 1036.46
10" N INV. = 1036.36
SN-4, 278.19 L.F. 10" PVC @ 0.98%
SNMH-5
T/C = 1037.10
10" S INV. = 1033.60
10" E INV. = 1033.50
SN-5, 204 L.F. 10" PVC @ 1.23%
SNMH-6
T/C = 1034.20
8" N INV. = 1031.00
6" N INV. = 1031.00
SN-6, 222.77 L.F. 8" PVC @ 1.05%
SNMH-7
T/C = 1037.75 (SET AT GRADE)
8" E INV. = 1028.67
8" NW INV. = 1028.57
SN-7, 189.34 L.F. 8" PVC @ 3.80%
SNMH-8 (SANITARY MANHOLE)
T/C = 1033.00 (SET AT GRADE)
PROP. 8" E INV. = 1021.00
EX. 10" NAS INV. = 1020.00±

STORM DATA PHASE 2

I-19 (ODOT 2-2-B)
T/C = 1027.49
W 12" INV.= 1023.99
ST-30, 199.96 L.F. 12" HDPE @ 2.82%
I-16 (ODOT 2-2-B)
T/C = 1021.85
E&W 12" INV.= 1018.35
ST-22, 93.9 L.F. 12" HDPE @ 5.70%
I-28 (ODOT 2-2-B)
T/C = 1037.40
W 18" INV.= 1033.40
ST-42, 122.5 L.F. 18" HDPE @ 1.00%
H-7 (ODOT HW-2.1)
18" INV. = 1032.17
I-29 (ODOT 2-2-B)
T/C = 1039.30
S. 8" INV.= 1034.85
4" FINGERDRAINS INV.= 1037.38
ST-43, 109.9 L.F. 8" PVC @ 1.00%
H-3 (ODOT HW-2.1)
18" INV. = 1028.28
ST-13, 128 L.F. 18" HDPE @ 1.00%
H-4 (ODOT HW-2.1)
18" INV. = 1027.00
I-11 (ODOT 2-2-B)
T/C = 1033.80
E 12" INV.= 1030.00
ST-16, 61.9 L.F. 12" HDPE @ 0.50%
I-10 (ODOT 2-2-B)
T/C = 1033.80
W&E 12" INV.= 1029.69
ST-15, 80 L.F. 12" HDPE @ 0.50%
I-9 (ODOT 2-2-B)
T/C = 1033.70
W&E 12" INV.= 1029.29
ST-14, 36 L.F. 12" HDPE @ 0.14%
H-5 (ODOT HW-2.1)
12" INV. = 1026.00

Point Table		
Pnt	Northing	Easting
300	14519.20	15933.30
301	14528.75	15872.18
302	14551.65	15785.52
303	14561.93	15761.10
304	14400.74	15715.36
305	14528.45	15725.17
306	14462.72	15775.08
307	14491.14	15585.89
308	14456.41	15542.08
309	14372.60	15544.23
310	14363.18	15148.50
311	14374.29	15149.92
312	14371.15	15098.12
313	14125.64	15054.75
314	14134.13	15055.83
315	13781.64	15233.34
316	13766.31	15450.84
317	13761.53	15488.22
318	13890.64	15237.09
319	14276.87	15082.91
320	14274.74	14960.42
321	14199.28	15061.79
322	14342.92	15011.37
323	14716.36	15112.71
324	14649.83	15206.13
325	14728.78	15022.41
326	14166.43	15529.63
327	14443.13	15566.83
328	14416.97	15789.17
329	14427.85	15763.01
330	14161.71	15539.08
333	14568.34	15392.64

STOP

ALL REVISIONS MADE TO THIS DRAWING AFTER 07-27-10 SHALL BE DATED AND DESCRIBED BELOW. THIS DRAWING WAS LAST REVISED ON 10-25-10.

NO	DATE	REVISION DESCRIPTION
1	07-17-10	ISSUED FOR BIDDING
2	08-27-10	ADDED DOWNSPOUT CONNECTIONS
3	09-14-10	FINAL BID / PERMIT DOCUMENTS
4	09-20-10	ISSUED FOR SHELL AND FOUNDATION PERMITS FOR "PROPOSED NAGE WATER TREATMENT FACILITY"
5	10-15-10	SANITARY AND STORM SEWER REVISIONS
6	10-25-10	REVISED PER CITY OF MASSILLON COMMENTS

SEE THE FOLLOWING WEBSITE FOR LATEST DRAWINGS ISSUED FOR THIS PROJECT.
www.schumacherconstruction.com/drawings

6

APPROVED BY THE MASSILLON CITY ENGINEER THIS _____ DAY OF _____, 20__.

KEITH A. DYLEWSKI, P.E., P.S.

ONLY APPROVED SIGNED PLANS BY THE CITY ENGINEER ARE TO BE USED FOR CONSTRUCTION.

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P.O.BOX 13136 – NORWALK, OHIO 44064 – PH: (330) 718-8030

JOHN PATRICK PICARD ARCHITECT, INC.
720 McKINLEY AVENUE, NW
CANTON, OHIO 44703
PHONE (330) 471-9000
FAX (330) 471-9549

ENERGY STAR PARTNER

SCHUMACHER CONSTRUCTION CO. MASSILLON, OHIO

PHASE 2 ADDITIONS
MASSILLON PRODUCTION FACILITY
4100 MILLENNIUM BOULEVARD SE
MASSILLON, OHIO 44646

SHEARER'S

STATE OF OHIO
BRADLEY W. LIGHTFOOT
E-34848
REGISTERED PROFESSIONAL ENGINEER
10/25/10

Project Number: 10003
Date: 07-09-10
Scale: AS SHOWN

Sheet: C3

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