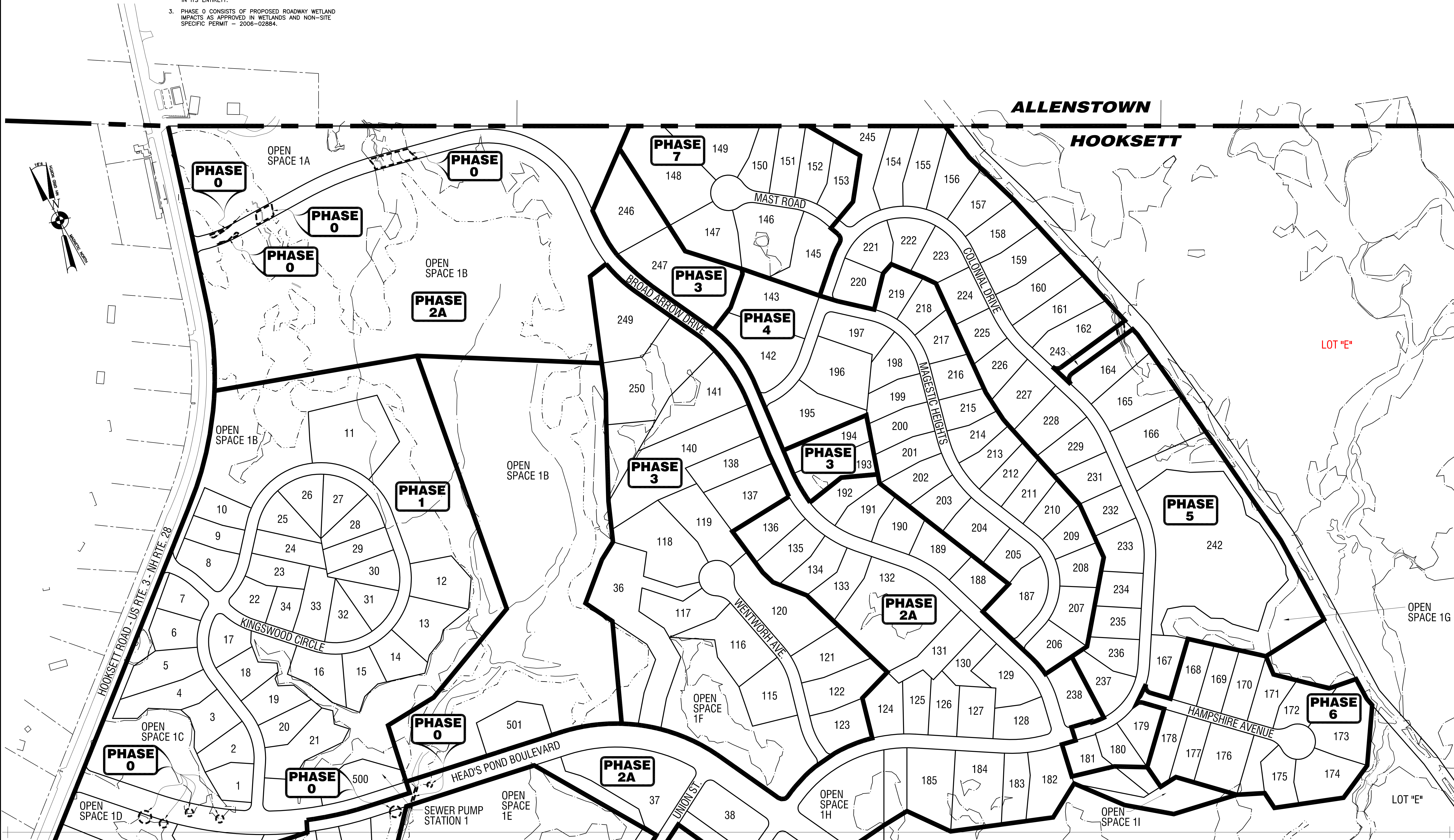


- NOTES:
1. STARK AVENUE, SOUTH COMMON STREET, AND UNION STREET WILL BE BUILT IN SEGMENTS TO COMPLY WITH CUL-DE-SAC DEVELOPMENT REGULATIONS.
 2. PHASE 2A INCLUDES BROAD ARROW DRIVE IN ITS ENTIRETY.
 3. PHASE 0 CONSISTS OF PROPOSED ROADWAY WETLAND IMPACTS AS APPROVED IN WETLANDS AND NON-SITE SPECIFIC PERMIT - 2006-02884.

SCALE: 1" = 200'



HOLDEN ENGINEERING & SURVEYING, Inc.

56 Old Suncook Road - Unit #4
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(603) 225-6449
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PHASING PLAN
MANCHESTER SAND, GRAVEL & CEMENT CO., INC.
HOOKSETT, NH

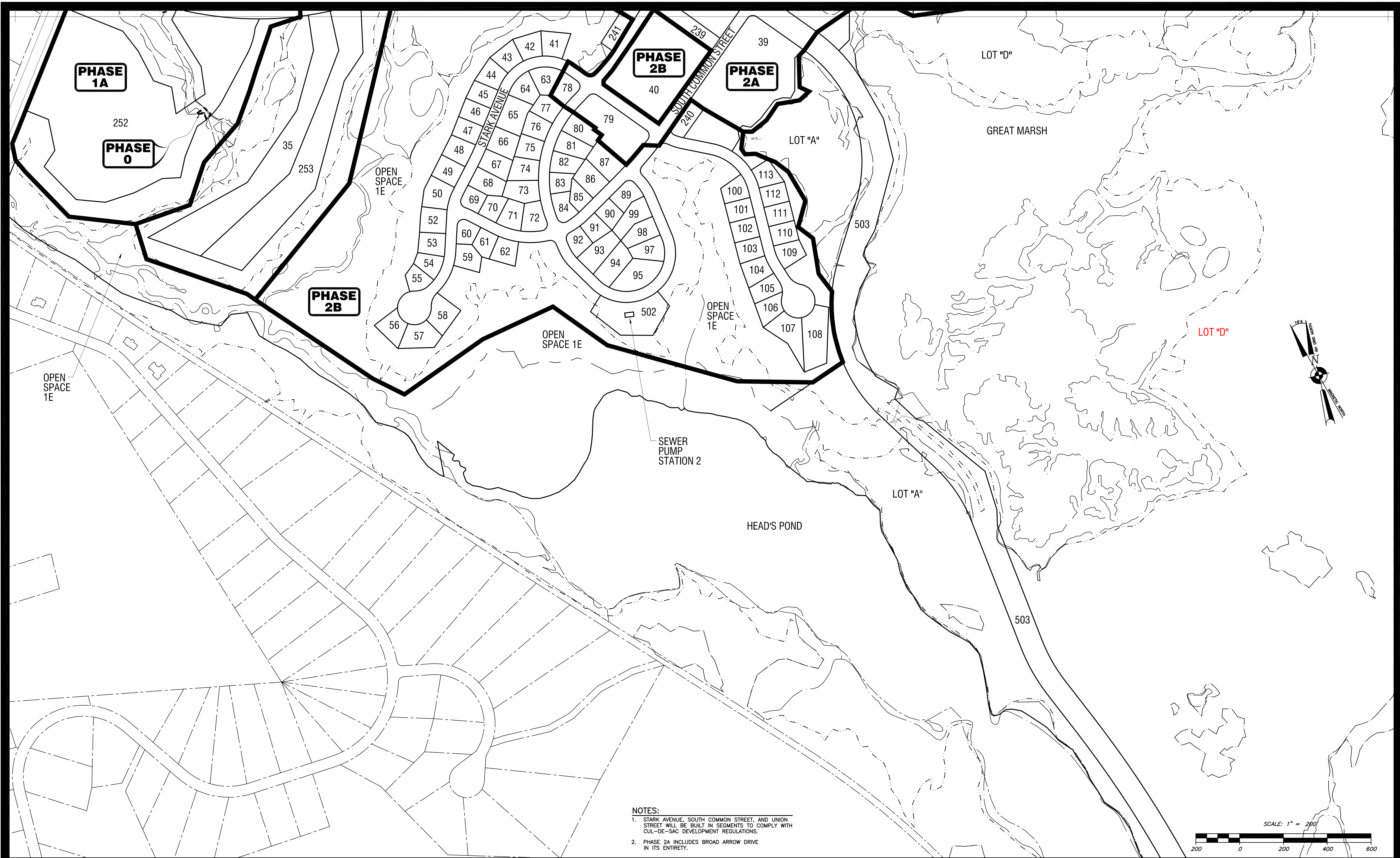
Date: 04-15-11
05-09-11 REVISED PER CITY COMMENTS
05-18-11 REVISED PER CITY COMMENTS
06-10-11 REVISED PER CITY AND OWNER COMMENTS
06-15-11 REVISED PER CITY AND OWNER COMMENTS
04-17-12 MOST RECENT REVISIONS
01-20-14 REVISED FOR LOT CONSOLIDATION

Revisions
Description

Dr. By: MK BT
Chk. By: MK BT

Book Page

Date: 04-15-11
Scale: 1"=200'
Dr. By: DS Ck By: BT
Job No. 0720153
Sheet noPP1of PP3



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01-20-14		REVISED FOR LOT CONSOLIDATION		DW	BT			Job No. 0720153
								Sheet noPP2of PP3

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C:\CNC-0720094\CADD\PHASING

LOTS BY PHASE

HEAD'S POINT SINGLE FAMILY RESIDENTIAL PHASE 1		
LOCATION, Or STREET NAME	LOT NUMBER ON PLAN	PHASE
Kingswood	1	1
Kingswood	2	1
Kingswood	3	1
Kingswood	4	1
Kingswood	5	1
Kingswood	6	1
Kingswood	7	1
Kingswood	8	1
Kingswood	9	1
Kingswood	10	1
Kingswood	11	1
Kingswood	12	1
Kingswood	13	1
Kingswood	14	1
Kingswood	15	1
Kingswood	16	1
Kingswood	17	1
Kingswood	18	1
Kingswood	19	1
Kingswood	20	1
Kingswood	21	1
Kingswood	22	1
Kingswood	23	1
Kingswood	24	1
Kingswood	25	1
Kingswood	26	1
Kingswood	27	1
Kingswood	28	1
Kingswood	29	1
Kingswood	30	1
Kingswood	31	1
Kingswood	32	1
Kingswood	33	1
Kingswood	34	1
Head's Pond Blvd	500	1

HIGH DENSITY LOT
PHASE 1A

LOCATION, Or STREET NAME	LOT NUMBER ON PLAN	PHASE
Lakin's Mill Road	252	1A

LOTS BY PHASE

HEAD'S POINT SINGLE FAMILY RESIDENTIAL PHASE 2A		
LOCATION, Or STREET NAME	LOT NUMBER ON PLAN	PHASE
Head's Pond Blvd	35	2A
Head's Pond Blvd	253	2A
Colonial	124	2A
Colonial	125	2A
Colonial	126	2A
Colonial	127	2A
Colonial	128	2A
Colonial	182	2A
Colonial	183	2A
Colonial	184	2A
Colonial	185	2A
Broad Arrow	128	2A
Broad Arrow	129	2A
Broad Arrow	131	2A
Broad Arrow	133	2A
Broad Arrow	134	2A
Broad Arrow	135	2A
Broad Arrow	136	2A
Broad Arrow	238	2A
Broad Arrow	188	2A
Broad Arrow	189	2A
Broad Arrow	190	2A
Broad Arrow	191	2A
Broad Arrow	192	2A
Union	37	2A
Union	78	2A
Union	79	2A
S. Common	38	2A
S. Common	39	2A
S. Common	239	2A
Union / S. Common	240	2A
Union	241	2A
Union / S. Common	40	2A

LOTS BY PHASE

HEAD'S POINT SINGLE FAMILY RESIDENTIAL PHASE 2B		
LOCATION, Or STREET NAME	LOT NUMBER ON PLAN	PHASE
Stark	41	2B
Stark	42	2B
Stark	43	2B
Stark	44	2B
Stark	45	2B
Stark	46	2B
Stark	47	2B
Stark	48	2B
Stark	49	2B
Stark	50	2B
Stark	52	2B
Stark	53	2B
Stark	54	2B
Stark	55	2B
Stark	56	2B
Stark	57	2B
Stark	58	2B
Stark	59	2B
Stark	60	2B
South Common	61	2B
South Common	62	2B
Stark	63	2B
Stark	64	2B
Stark	65	2B
Stark	66	2B
Stark	67	2B
Stark	68	2B
South Common	69	2B
South Common	70	2B
South Common	71	2B
Union	72	2B
Union	73	2B
Union	74	2B
Union	75	2B
Union	76	2B
Union	77	2B
Union	502	2B
Union	80	2B
Union	81	2B
Union	82	2B
Union	83	2B
Union	84	2B
Union	85	2B
Union	86	2B
Union	87	2B
South Common	89	2B
South Common	90	2B
South Common	91	2B
Union	92	2B
Union	93	2B
Union	94	2B
Union	95	2B
Union	97	2B
Union	98	2B
Union	99	2B
Stark	100	2B
Stark	101	2B
Stark	102	2B
Stark	103	2B
Stark	104	2B
Stark	105	2B
Stark	106	2B
Stark	107	2B
Stark	108	2B
Stark	109	2B
Stark	110	2B
Stark	111	2B
Stark	112	2B
Stark	113	2B

LOTS BY PHASE

HEAD'S POINT SINGLE FAMILY RESIDENTIAL PHASE 3		
LOCATION, Or STREET NAME	LOT NUMBER ON PLAN	PHASE
Wentworth	115	3
Wentworth	116	3
Wentworth	117	3
Wentworth	118	3
Wentworth	119	3
Wentworth	120	3
Wentworth	121	3
Wentworth	122	3
Wentworth	123	3
Broad Arrow	193	3
Broad Arrow	194	3
Broad Arrow	137	3
Broad Arrow	138	3
Broad Arrow	140	3
Broad Arrow	141	3
Broad Arrow	246	3
Broad Arrow	247	3
Broad Arrow	249	3
Broad Arrow	250	3

LOTS BY PHASE

HEAD'S POINT SINGLE FAMILY RESIDENTIAL PHASE 4		
LOCATION, Or STREET NAME	LOT NUMBER ON PLAN	PHASE
Majestic	187	4
Majestic	197	4
Majestic	198	4
Majestic	199	4
Majestic	200	4
Majestic	201	4
Majestic	202	4
Majestic	203	4
Majestic	204	4
Majestic	205	4
Majestic	206	4
Majestic	207	4
Majestic	208	4
Majestic	209	4
Majestic	210	4
Majestic	211	4
Majestic	212	4
Majestic	213	4
Majestic	214	4
Majestic	215	4
Majestic	216	4
Majestic	217	4
Majestic	218	4
Majestic	219	4
Colonial	195	4
Colonial	196	4

AREA OF DISTURBANCE
BY PHASE

PHASE	AREA ACRES
PHASE 1	10.50
PHASE 1A	2.19
PHASE 2A	29.50
PHASE 2B	17.1
PHASE 3	2.80
PHASE 4	6.6
PHASE 5	9.40
PHASE 6	2.70
PHASE 7	1.69

- PER NH DES ALTERATION OF TERRAIN PERMIT AND THE CURRENT APPROVED EROSION CONTROL PLANS THE MAXIMUM AREA ALLOWED TO BE DISTURBED & UNSTABILIZED AT ONE TIME IS 5.0 ACRES.
 - THE CONTRACTOR SHALL CONSTRUCT EACH PHASE IN ACCORDANCE THE THE MAXIMUM ALLOWED DISTURBED AREA.
 - AT THE REQUIRED PRECONSTRUCTION MEETING THE APPLICANT SHALL PROVIDE PLANS DEMONSTRATING HOW THE MAXIMUM ALLOWABLE DISTURBED AREA REGULATIONS ARE MET.
 - AREAS SHOWN IN CHART REPRESENT DISTURBED AREAS FOR ROADWAY AND UTILITIES.
 - PER AOT PERMIT CONDITIONS (13), LOT DISTURBANCE, OTHER THAN THAT SHOWN ON THE APPROVED PLANS, SHALL NOT COMMENCE UNTIL AFTER THE ROADWAY HAS THE BASE COURSE TO DESIGN ELEVATION AND THE ASSOCIATED DRAINAGE IS COMPLETE AND STABLE.
- AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
- BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED
 - A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED
 - A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED
 - EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED

ROADS BY PHASE

PHASE	ROAD NAME	STATION	ROAD LENGTH (FEET)	CUL-DE-SAC RULE	TURN AROUND REQUIRED	TURN AROUND PROPOSED
1	KINGSWOOD CIRCLE	202+00-240+92	3891	N/A	NO	LOOPS
1 & 1A	HEADS POND BLVD.	250+00-280+00	1000	N/A	NO	
2A	HEADS POND BLVD.	260+00-288+00	2800	N/A	YES	
2A	COLONIAL DRIVE	36+88-50+50	1362	N/A	NO	LOOPS
2A	BROAD ARROW DRIVE	149+97-201+96	5199	N/A	NO	
2A	UNION STREET	310+00-317+30	730	N/A	NO	
2A	STARK STREET	339+75-344+00	425	N/A	NO	LOOPS
2A	SOUTH COMMON	297+00-290+00	700	N/A	NO	
2B	STARK STREET	344+00-362+82	1882	N/A	NO	LOOPS
2B	SOUTH COMMON	290+00-308+83	1883	N/A	NO	
2B	UNION STREET	317+30-336+75	1945	N/A	NO	LOOPS
2B	STARK STREET	326+00-339+75	1375	N/A	NO	LOOPS
3	WENTWORTH AVE.	3+00-15+78	1278	N/A	NO	CUL-DE-SAC
4	MAJESTIC HEIGHTS	100+00-120+48	1248	N/A	NO	LOOPS
4	COLONIAL DRIVE	85+33-90+80	547	N/A	NO	
5	COLONIAL DRIVE	50+50-85+33	3483	N/A	NO	LOOPS
6	HAMPSHIRE STREET	30+00-36+15	615	N/A	NO	CUL-DE-SAC
7	MAST ROAD	50+00-58+93	893	N/A	NO	CUL-DE-SAC

SEWER BY PHASE

PHASE	SINGLE FAMILY UNITS	VILLAGE SINGLE FAMILY	VILLAGE TOWNHOUSE UNITS	SINGLE FAMILY ZERO LOT LINE	TOWNHOUSE UNITS	TOTAL UNITS PER PHASE	PHASING UNITS ACCUMULATIVE TOTAL	PUMP STATION UTILIZED FOR THE PHASE
1	34					34	34	PUMP NO. 1
1A					98	98	132	PUMP NO. 1
2A	23	1	59			83	215	PUMP NO. 1
2B		71				71	286	PUMP NO. 2
3	20					20	306	PUMP NO. 1
4	27					27	333	PUMP NO. 1
5	29			43		62	405	PUMP NO. 1
6	13					13	418	PUMP NO. 1
7	10					10	428	PUMP NO. 1
TOTAL	156	72	59	43	108		428	

THE HOOKSETT SEWER COMMISSION HAS REVIEWED AND APPROVED ALL THE SEWER / PHASING PLANS FOR THE VILLAGES AT HEADS POND DEVELOPMENT. PRIOR TO THE COMMENCEMENT OF WORK FOR EACH PHASE THE DEVELOPER SHALL OBTAIN AND PROVIDE THE HOOKSETT SEWER COMMISSION A VALID STATE OF NEW HAMPSHIRE SEWER EXTENSION PERMIT.

LOTS BY PHASE

HEAD'S POINT SINGLE FAMILY RESIDENTIAL PHASE 6		
LOCATION, Or STREET NAME	LOT NUMBER ON PLAN	PHASE
Hampshire	168	6
Hampshire	169	6
Hampshire	170	6
Hampshire	171	6
Hampshire	172	6
Hampshire	173	6
Hampshire	174	6
Hampshire	175	6
Hampshire	176	6
Hampshire	177	6
Hampshire	178	6

PHASE 0 WETLAND
IMPACT LOCATIONS

LAKIN'S MILL ROAD	IMPACT #
STA. 9+00 LEFT, RIGHT	WET IMPACT NO. 01
HEAD'S POND BLVD.	IMPACT #
STA. 250+50 RIGHT	WET IMPACT NO. 2
STA. 254+00 RIGHT	WET IMPACT NO. 7
STA. 255+50 LEFT	WET IMPACT NO. 8
STA. 257+00 LEFT	WET IMPACT NO. 9
STA. 264+00 RIGHT	WET IMPACT NO. 10
BROAD ARROW DRIVE	IMPACT #
STA. 151+50 LEFT	WET IMPACT NO. 3
STA. 152+00 RIGHT	WET IMPACT NO. 4
STA. 154+00 LEFT, RIGHT	WET IMPACT NO. 5
STA. 160+00 LEFT, RIGHT	WET IMPACT NO. 6
STA. 164+00 RIGHT	WET IMPACT NO. 13

PHASE 0 ACCESS BY IMPACT

HEAD'S POND BLVD. -- IMPACT # 2, 7-10

IMPACTS WILL BE ACCESSED BY THE EXISTING HAUL ROAD

LAKIN'S MILL ROAD -- IMPACT # 1

IMPACT WILL BE ACCESSED BY THE EXISTING HAUL ROAD AND THE UP THE PROPOSED ROW TO THE IMPACT AREA.

BROAD ARROW DRIVE -- IMPACT #3,4,5

IMPACT WILL BE ACCESSED BY PROPOSED ROW LOCATED AT THE NORTH END OF THE PROJECT

BROAD ARROW DRIVE -- IMPACT #6

IMPACT WILL BE ACCESSED BY THE EXISTING HAUL ROADS TO APPROXIMATELY STA. 166+00 ON BROAD ARROW, THEN UP THE PROPOSED ROW.

PHASE 0 SEQUENCE OF MAJOR ACTIVITIES

- CUT AND CLEAR TREES IN TO THE LIMIT OF THE ROW FOR IMPACTS REQUIRING THE USE OF THE ROW.
 - INSTALL TEMPORARY EROSION CONTROL HAY BALES, STABILIZED CONSTRUCTION ENTRANCE AND SILT FENCE.
 - STUMP AND GRUB 20' WIDE FOR ACCESS TO SITE,
 - ROUGH GRADING FOR ACCESS
 - CONSTRUCT ROADWAY WETLAND IMPACT PER PLAN. TO INCLUDE CUT AND FILLS WITHIN THE IMPACT AREA, FINAL SLOPE GRADES AND A MINIMUM OF ROADWAY SUBGRADE.
- FINAL SLOPES AND ROADWAY SUBGRADE TO BE CONSTRUCTED TO A DISTANCE BEYOND THE CROSSINGS SO THERE WILL BE NO FURTHER DISTURBANCES TO THE WETLANDS

EROSION CONTROL

ALL AREAS SHALL BE STABILIZED WITHIN 72 HOURS AFTER FINAL GRADING HAS BEEN ACHIEVED PERMANENT STABILIZATION MEASURES TO BE USED INCLUDE:

- SEEDING.
- MULCHING.
- STONE RIP RAP.
- 3" OF GRAVEL ON ROAD BED
- STONE CHECK DAMS
- EROSION CONTROL FABRIC ON ALL SLOPES GREATER THAN 3:1

AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:

- BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED
- A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED
- A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED
- EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED

PHASE NOTES:

THIS PROJECT WILL BE CONSTRUCTED IN PHASES. A PRECONSTRUCTION MEETING WILL BE SCHEDULED AT THE OUTSET OF EACH DEVELOPMENT PHASE.

PRIOR TO EACH MEETING, THE DEVELOPER WILL BE REQUIRED TO SUBMIT FOR REVIEW AND APPROVAL THE DESIGN PLANS AND SPECIFICATIONS FOR, CONSTRUCTION SEQUENCING FOR THE PHASE, EROSION CONTROL, FUTURE PHASE UTILITY CONNECTIONS, APPROPRIATE FUTURE ROADWAY STABILIZATION.

ALL MAJOR SEQUENCING AND ACTIVIES FOR EROSION CONTROL AND STABILIZATION WILL BE GOVERNED BY THE PREVIOUSLY SUBMITTED AND APPROVED DESIGN PLANS.

NOTE SHEET -- PHASING PLAN
MANCHESTER SAND, GRAVEL & CEMENT CO., INC.
HOOKSETT, NH

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