



STATION	AREAS IN SQ. FT.		VOLUMES IN CU. YDS.	
	CUT	FILL	CUT	FILL
0+00	1592	0	38045	0
2+00	9850	0	80097	0
4+00	7276	0	86785	0
6+00	16898	0	102423	0
8+00	10858	0	86780	0
10+00	5453	0	26923	0
12+00	1817	0	18555	0
14+00	2872	0	32236	0
16+00	6332	0	2147	0
18+00	580	0	24486	0
20+00	0	0	37220	0
22+00	7348	0	117608	0
24+00	24403	0	182536	0
26+00	24850	0	126285	0
28+00	9217	0	63862	0
30+00	8031	0	44726	0
32+00	4045	0	1015807	0

SITE DATA:

OWNER: PAUL GARABEDIAN ET AL
SALEM, NEW HAMPSHIRE

TAX MAP: 5 LOT NO.: 83 & 85 AREA: 172± ACRES
6 19 14± ACRES

THE GRAVEL PIT LOCATED ON THIS SITE EXISTED AND WAS IN USE PRIOR TO AUGUST 24, 1979.

REFERENCES: PROPERTY LINES FROM FIELD SURVEY BY R.S.L. LAYOUT & DESIGN, INC., RAYMOND, NEW HAMPSHIRE - JULY 1991.

TOPOGRAPHY FROM UNITED STATES GEOLOGICAL SURVEY MAP (SANDOWN, NEW HAMPSHIRE 7.5' QUADRANGLE), SUPPLEMENTED BY FIELD SURVEY BY R.S.L. LAYOUT & DESIGN, INC., RAYMOND, NEW HAMPSHIRE - JULY 1991.

PLAN INTENT:

IN ACCORDANCE WITH N.H. R.S.A. 155-E:2 (d), THIS PLAN IS INTENDED TO SERVE AS WRITTEN REPORT DETAILING THE FOLLOWING:

1. THE LOCATION OF THE EXCAVATION AND THE DATE THE EXCAVATION FIRST BEGAN;
2. A DESCRIPTION OF THE LIMITS OF PERMISSIBLE EXPANSION, AS DESCRIBED IN SUBPARAGRAPH (b), WHICH ARE CLAIMED TO APPLY TO THE EXCAVATION;
3. AN ESTIMATE OF THE AREA WHICH HAS BEEN EXCAVATED AT THE TIME OF THE REPORT; AND
4. AN ESTIMATE OF THE AMOUNT OF COMMERCIAL-VIABLE EARTH MATERIALS STILL AVAILABLE ON THE PARCEL.

- OPERATIONAL STANDARDS:
- THE GRAVEL PIT SHALL BE RESTRICTED BY THE FOLLOWING OPERATIONAL STANDARDS:
- I. NO EXCAVATION SHALL BE PERMITTED BELOW ROAD LEVEL WITHIN 50 FEET OF THE RIGHT-OF-WAY.
 - II. NO EXCAVATION SHALL BE PERMITTED WITHIN 50 FEET OF THE BOUNDARY OF A DISAPPROVING ADJUTTER, WITHIN 150 FEET OF ANY DWELLING WHICH EITHER EXISTED OR FOR WHICH A BUILDING PERMIT HAS BEEN ISSUED AT THE TIME THE EXCAVATION IS COMMENCED.
 - III. VEGETATION SHALL BE MAINTAINED OR PROVIDED WITHIN THE PERIPHERAL AREAS REQUIRED BY PARAGRAPHS I AND II.
 - IV. DRAINAGE SHALL BE MAINTAINED SO AS TO PREVENT THE ACCUMULATION OF FREE-STANDING WATER FOR PROLONGED PERIODS. EXCAVATION PRACTICES WHICH RESULT IN SILTATION OF STREAMS OR DEGRADATION OF ANY WATER SUPPLIES ARE PROHIBITED.
 - V. NO FUELS, LUBRICANTS, OR OTHER TOXIC OR POLLUTING MATERIALS SHALL BE STORED ON-SITE UNLESS IN COMPLIANCE WITH STATE LAWS OR RULES PERTAINING TO SUCH MATERIALS.
 - VI. WHERE TEMPORARY SLOPES WILL EXCEED A GRADE OF 1:1, A FENCE OR OTHER SUITABLE BARRICADE SHALL BE ERRECTED TO WARN OF DANGER OR LIMIT ACCESS TO THE SITE.
 - VII. PRIOR TO THE REMOVAL OF TOPSOIL OR OTHER MATERIAL FROM A NEW EXCAVATION AREA, THE EXCAVATOR SHALL FILE A RECLAMATION BOND OR OTHER SECURITY AS PRESCRIBED BY THE REGULATOR, SUFFICIENT TO SECURE THE RECLAMATION OF THE SITE.

- RECLAMATION STANDARDS:
- WITHIN 12 MONTHS AFTER THE COMPLETION OF ANY EXCAVATION, THE OWNER OF THE EXCAVATED LAND SHALL HAVE COMPLETED THE RECLAMATION OF THE AREAS AFFECTED BY THE EXCAVATION TO MEET EACH OF THE FOLLOWING MINIMUM CONDITIONS:
- I. EXCEPT FOR EXPOSED ROCK LEDGE, ALL AREAS WHICH HAVE BEEN AFFECTED BY THE EXCAVATION OR OTHERWISE STRIPPED OF VEGETATION SHALL BE SPREAD WITH TOPSOIL OR STRIPPINGS, IF ANY, BUT IN ANY CASE COVERED BY SOIL CAPABLE OF SUSTAINING VEGETATION, AND SHALL BE PLANTED WITH SEEDLINGS OR GRASS SUITABLE TO PREVENT EROSION. AREAS VISIBLE FROM A PUBLIC WAY, FROM WHICH TREES HAVE BEEN REMOVED, SHALL BE REPLANTED WITH TREE SEEDLINGS, SET OUT IN ACCORDANCE WITH ACCEPTABLE HORTICULTURAL PRACTICES.
 - II. EARTH AND VEGETATIVE DEBRIS RESULTING FROM THE EXCAVATION SHALL BE REMOVED OR OTHERWISE LAWFULLY DISPOSED OF.
 - III. ALL SLOPES, EXCEPT EXPOSED LEDGE, SHALL BE GRADED TO NATURAL REPOSE FOR THE TYPE OF SOIL OF WHICH THEY ARE COMPOSED, BUT SHALL NOT IN ANY CASE BE LEFT STEEPER THAN 2:1. CHANGES OF SLOPE SHALL NOT BE ABRUPT, BUT SHALL BLEND WITH THE SURROUNDING TERRAIN.
 - IV. THE ELIMINATION OF ANY STANDING BODIES OF WATER CREATED IN THE EXCAVATION PROJECT AS MAY CONSTITUTE A HAZARD TO HEALTH AND SAFETY.
 - V. THE TOPOGRAPHY OF THE LAND SHALL BE LEFT SO THAT WATER DRAINING FROM THE SITE LEAVES THE PROPERTY AT THE ORIGINAL, NATURAL DRAINAGE POINTS AND IN THE NATURAL PROPORTIONS OF FLOW.
 - VI. ANY EXCAVATED AREA OF FIVE (5) CONTIGUOUS ACRES OR MORE, WHICH EITHER IS DEPLETED OF COMMERCIAL EARTH MATERIALS, EXCLUDING BEDROCK, OR FROM WHICH NO EARTH MATERIALS HAVE BEEN REMOVED FOR A 2-YEAR PERIOD, SHALL BE RECLAIMED IN ACCORDANCE WITH R.S.A. 155-E:5, WITHIN TWELVE (12) MONTHS FOLLOWING SUCH DEPLETION OR 2-YEAR NON-USE, REGARDLESS OF WHETHER OTHER EXCAVATION IS OCCURRING ON ADJACENT LAND IN CONTIGUOUS OWNERSHIP.

DATE: AUGUST 2, 1991
SCALE: 1" = 200'
DESIGNED BY: KSM
DRAWN BY: DMI
PROJECT NO: 91-526
FILE NO: 526S

ISSUE FOR APPROVAL
CONSTRUCTION ISSUE
RECORD ISSUE

APPROVED
LAWRENCE J. WAGNER
No. 526S
PROFESSIONAL ENGINEER

Appledore Engineering, Inc.
1 SIMONS LANE, NEWMARKET, NH 03857
(603) 659-0515
CIVIL • MARINE • STRUCTURAL • TRANSPORTATION

EARTH EXCAVATION
OLD SANDOWN, STOWE, & FREMONT ROADS
CHESTER, NEW HAMPSHIRE

PAGE: SE-1

SITE EXCAVATION PLAN