

CURB ELEVATION	
TOP OF CURB	BOTTOM OF CURB
A	167.50
B	166.97
C	166.44
D	166.28
E	166.17
F	166.10
G	166.20
H	166.30
I	166.40
J	166.41
K	166.30
L	165.77
M	166.09
N	166.15
O	166.22
P	166.25
Q	165.77
R	165.80
S	166.12
T	166.44
U	166.59
V	166.71
W	166.24
X	166.29
Y	166.86
Z	166.90
AA	166.86
BB	166.83
CC	166.85
DD	166.81
EE	166.07
FF	164.69
GG	161.65
HH	161.41
II	161.27

- GENERAL NOTES:**
- BOUNDARY LOCATIONS AND EXISTING FEATURES AS SHOWN HEREON ARE BASED ON SURVEY PLAN ENTITLED "EXISTING SITE CONDITIONS PLAN" AS PREPARED BY THOMAS H. CREWS, INC., DATED APRIL 29, 2008. THE VERTICAL DATUM FOR SAID SURVEY IS REFERENCED TO NGVD 29 (FT) & BOWASA DATUM.
 - THE ZONING PERMIT PLANS FOR THIS PROJECT HAVE BEEN PREPARED IN CONJUNCTION WITH THE NEW HOPE BOROUGH SUBDIVISION AND LAND DEVELOPMENT ORDINANCE, DATED JANUARY 31, 1984 LAST REVISED SEPTEMBER 12, 1995 AND IN CONJUNCTION WITH THE NEW HOPE BOROUGH ZONING ORDINANCE AS LAST REVISED FEBRUARY 15, 2008.
 - THE SITE IS CURRENTLY SERVED BY ON-SITE WATER AND SANITARY SEWER FACILITIES.
 - ALL DEVELOPMENT ACTIVITIES, SUCH AS CLEARING, GRADING, REGRADING, DRIVEWAYS, ROADS, BUILDINGS AND PARKING AREAS SHALL BE LIMITED IN ACCORDANCE WITH THE LIMITS ON DISTURBANCE OF LANDS WITH NATURAL RESOURCES AS SET BY THE NEW HOPE BOROUGH ZONING ORDINANCE. LAND NOT PERMITTED TO BE DISTURBED BY THE REQUIREMENTS OF THE BOROUGH ZONING ORDINANCE SHALL REMAIN IN ITS NATURAL CONDITION WITH THE NATURAL FOREST GROUND COVER LEFT INTACT. THIS RESTRICTION SHALL RUN WITH THE LAND AND BE BINDING ON THE PRESENT AND ALL FUTURE OWNERS AND/OR LESSEES.
 - SOIL DEVIATION HAS BEEN BASED ON THE SOIL SURVEY OF BUCKS COUNTY, USDA NATURAL RESOURCES CONSERVATION SERVICE, DATED SEPTEMBER 2002.
 - THIS PLAN IS SUBJECT TO ANY AND ALL RIGHTS-OF-WAY, EASEMENTS AND COVENANTS OF RECORD.
 - THE LOCATION OF EXISTING UNDERGROUND UTILITY CONTAINED ON THESE PLANS HAVE BEEN DEVELOPED FROM UTILITY AS-BUILTS AND SUPPLEMENTED WITH FIELD LOCATIONS WHERE POSSIBLE. COMPLETENESS OR ACCURACY CANNOT BE GUARANTEED. THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS, SURFACE AND SUBSURFACE, AND SHALL NOTIFY THE ENGINEER IN THE EVENT OF DISCREPANCIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY UNDERGROUND UTILITY USERS AND FOR COMPLIANCE WITH PENNSYLVANIA ACT 1996-167.
 - ALL CONTRACTORS WORKING ON THIS PROJECT SHALL BE RESPONSIBLE FOR INSURING THAT ALL CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT ARE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION) STANDARDS.
 - THE APPLICANT HOLDS NEW HOPE BOROUGH HARMLESS FOR ANY STORMWATER RUNOFF DIRECTED OFF-SITE.
 - SEE SHEET 5 OF 7 FOR CONSTRUCTION SEQUENCE.

- EROSION AND SEDIMENT CONTROL PLAN NOTES:**
- STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET. STOCKPILE SLOPES MUST BE 3:1 OR FLATTER.
 - THE OPERATOR SHALL ASSURE THAT THE APPROVED EROSION AND SEDIMENT CONTROL PLAN IS PROPERLY AND COMPLETELY IMPLEMENTED. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR THE MAINTENANCE AND OPERATION OF THE SEDIMENT AND EROSION CONTROL FACILITIES TO INSURE PROTECTION OF ADJACENT PROPERTIES.
 - UNTIL THE SITE ACHIEVES FINAL STABILIZATION, THE OPERATOR SHALL ASSURE THAT THE BEST MANAGEMENT PRACTICES ARE IMPLEMENTED AND MAINTAINED PROPERLY AND COMPLETELY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL BEST MANAGEMENT PRACTICE FACILITIES. THE OPERATOR WILL MAINTAIN AND MAKE AVAILABLE TO THE BUCKS COUNTY CONSERVATION DISTRICT COMPLETE, WRITTEN INSPECTION LOGS OF ALL THOSE INSPECTIONS. ALL MAINTENANCE WORK INCLUDING CLEANING, REPAIR, REPLACEMENT, REGRADING, AND RESTABILIZATION SHALL BE PERFORMED IMMEDIATELY.
 - IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.
 - BEFORE INITIATING ANY REVISIONS TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN OR REVISIONS TO ANY OTHER PLANS WHICH MAY AFFECT THE EFFECTIVENESS OF THE APPROVED EROSION CONTROL PLAN, THE OPERATOR MUST RECEIVE APPROVAL OF THE REVISIONS FROM THE BUCKS COUNTY CONSERVATION DISTRICT.
 - THE OPERATOR SHALL ASSURE THAT AN EROSION AND SEDIMENT CONTROL PLAN HAS BEEN PREPARED, APPROVED BY THE BUCKS COUNTY CONSERVATION DISTRICT, AND IS BEING IMPLEMENTED AND MAINTAINED FOR ALL SOIL AND ROCK SPOIL AND BORROW AREAS, REGARDLESS OF THEIR LOCATIONS.
 - ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE PUMPED THROUGH A SEDIMENT CONTROL BMP, SUCH AS A PUMPED WATER FILTER BAG DISCHARGING OVER NON-DISTURBED AREAS.
 - THE CONTRACTOR IS ADVISED TO BECOME THOROUGHLY FAMILIAR WITH THE PROVISIONS OF THE APPENDIX 64 EROSION CONTROL RULES AND REGULATIONS, TITLE 25, PART 1, DEPARTMENT OF ENVIRONMENTAL PROTECTION, SUBPART C, PROTECTION OF NATURAL RESOURCES, ARTICLE 11, WATER RESOURCES, CHAPTER 102, EROSION CONTROL.
 - A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.
 - EROSION AND SEDIMENT BMP'S MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS OF THOSE BMP'S.
 - MUD, SEDIMENT, AND/OR DEBRIS TRACKED ONTO PUBLIC CARTWAYS SHALL BE IMMEDIATELY REMOVED BY BROOMING AND/OR MECHANICAL MEANS TO THE SATISFACTION OF THE BOROUGH. USE OF A BACKHOE BUCKET TO SCRAPE ROADWAY SURFACE IS PROHIBITED. WHERE MUD AND/OR SEDIMENT IS CAUSING SLICK AND/OR HAZARDOUS CONDITIONS, ROADWAY SURFACE SHALL BE IMMEDIATELY PRESSURE WASHED TO REMOVE CONDITION. ALL SEDIMENT LADEN WATER MUST BE FILTERED IN A MANNER SATISFACTORY TO THE BUCKS COUNTY CONSERVATION DISTRICT BEFORE ENTERING STORM SEWERS AND/OR DRAINAGE CHANNELS.
 - AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMP CONTROLS MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE BMP'S MUST BE STABILIZED IMMEDIATELY.
 - IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE, THE OPERATOR SHALL NOTIFY ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES, THE LANDOWNER, ALL APPROPRIATE MUNICIPAL OFFICIALS, THE EROSION AND SEDIMENT CONTROL PLAN PREPARED, AND THE BUCKS COUNTY CONSERVATION DISTRICT TO AN ON-SITE MEETING. ALSO, AT LEAST 3 DAYS BEFORE THE STARTING OF ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES SHALL NOTIFY THE PENNSYLVANIA ONE CALL SYSTEM INCORPORATED AT 1-800-242-1776 FOR BURIED UTILITIES LOCATIONS.
 - ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE CONSTRUCTION SEQUENCE. EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE.
 - IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE, THE OPERATOR SHALL STABILIZE ANY AREAS DISTURBED BY THE ACTIVITIES. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. DISTURBED AREAS WHICH ARE AT FINISHED GRADE OR WHICH WILL NOT BE REDISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE PERMANENT VEGETATIVE STABILIZATION SPECIFICATIONS.
 - AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS.
 - TEMPORARY STABILIZATION & PERMANENT STABILIZATION.
 - HAY OR STRAW MULCH SHALL BE APPLIED AT 3.0 TONS PER ACRE.
 - MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS MUST BE INSTALLED ON ALL SLOPES 3:1 AND STEEPER.
 - STRAW MULCH SHALL BE APPLIED IN LONG STRANDS, NOT CHOPPED OR FINELY BROKEN.
 - UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMP'S MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTION OF ALL EROSION AND SEDIMENT CONTROL BMP'S AFTER EACH RAINFALL EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING, AND RESETTING, MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.

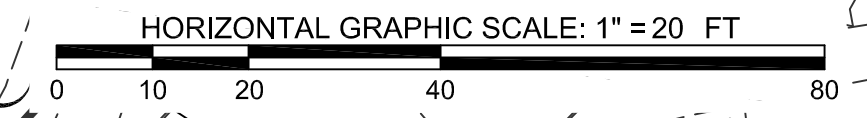
LEGEND

- RIGHT-OF-WAY LINE
- CENTERLINE
- EXISTING ENCROACHMENTS
- PROPOSED CURB
- PROPOSED EDGE OF PAVEMENT
- EXISTING CONTOURS (2 FEET)
- EXISTING CONTOURS (10 FEET)
- PROPOSED CONTOURS (1 FOOT)
- PROPOSED CONTOURS (2 FEET)
- PROPOSED CONTOURS (10 FEET)
- LIMIT OF DISTURBANCE
- SUPER SILT FENCE
- SILT FENCE
- TREE PROTECTION FENCE
- PROPOSED STORM SEWER PIPE
- PROPOSED RETAINING WALL
- PROPOSED LANDSCAPE WALL (LESS THAN 4')
- INLET PROTECTION - ROCK FILTER
- TEMPORARY FENCE
- SPLIT RAIL FENCE
- PROPOSED CLEAN OUT
- SECURITY BOLLARD
- EXISTING LARGE CALIBER TREE WITH LIMITED DISTURBANCE

PENNSYLVANIA ACT 172 REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 5 WORKING DAYS IN DESIGN STAGE - STOP CALL PENNSYLVANIA ONE CALL SYSTEM, INC. 1-800-242-1776

NOTE: ALL LOCATIONS OF EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DEVELOPED FROM EXISTING UTILITY RECORDS AND / OR ABOVE GROUND EXAMINATION OF THE SITE. COMPLETENESS OR ACCURACY OF LOCATION AND DEPTH OF UNDERGROUND UTILITIES OR STRUCTURES CANNOT BE GUARANTEED. SHOULD ANY NEW CONSTRUCTION BE PROPOSED WITHIN THE SITE IN THE FUTURE THE CONTRACTOR MUST VERIFY LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES AND FACILITIES BEFORE START OF WORK. AS REQUIRED BY ACT 172 UTILITY COMPANIES MUST BE NOTIFIED BEFORE ANY EXCAVATION BEGINS WITHIN THE VICINITY OF UNDERGROUND UTILITIES.

ALL PLANS AND THE INFORMATION DEPICTED THEREON AS PREPARED BY KNIGHT ENGINEERING, INC. ARE THE RESULT OF A PROFESSIONAL SERVICE INTENDED SOLELY FOR THE SPECIFICALLY NAMED PROJECT AND CLIENT. ANY REPRODUCTION OF INFORMATION, REVISION OR REUSE OF THESE PLANS WITHOUT THE PRIOR WRITTEN APPROVAL OF KNIGHT ENGINEERING, INC., SHALL BE CONSIDERED A VIOLATION OF THE CODE OF ETHICS, AS WELL AS A THEFT OF CORPORATE ASSETS. VIOLATORS WILL BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW. ONLY THOSE PLANS INCORPORATING THE RAISED SEAL OF A REGISTERED PROFESSIONAL ENGINEER OR PROFESSIONAL LAND SURVEYOR UNDER THE EMPLOY AND/OR CONTRACT OF KNIGHT ENGINEERING, INC. SHALL BE CONSIDERED COMPLETE AND OFFICIAL.



ZONING PERMIT PLAN
GRADING & E/S PLAN
 LANDS OF
 KEHILAT HANAHAR, TMP NO.27-10-2

NEW HOPE BOROUGH	BUCKS COUNTY
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KNIGHT ENGINEERING, INC.
 4998 MECHANICSVILLE ROAD, P.O. BOX 247
 MECHANICSVILLE, PENNSYLVANIA 18934
 (215) 794-5958

SCALE	DATE	DRAWN BY	PLAN NO.	DWG. NO.
1" = 20'	6/26/2009	BMC	5302	3 OF 7