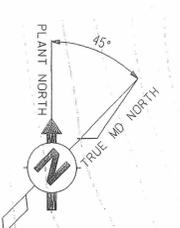


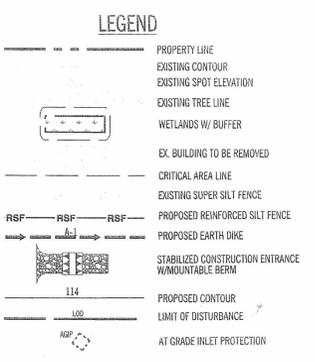
FUTURE HAUL ROAD BY OTHERS,
PERMIT NO. 87037

E 980000 N 717850

N 717850 E 980000



- ### DEMO NOTES
- (A) EX. BUILDING TO BE REMOVED
 - (B) EX. CONCRETE SLAB TO BE REMOVED
 - (C) EX. TRAILER TO BE REMOVED
 - (D) EX. FENCE TO BE REMOVED
 - (E) EX. SIGN/ POST TO BE REMOVED
 - (F) EX. LIGHT POLE TO BE REMOVED
 - (G) EX. TRANSFORMER AND CONCRETE PAD TO BE REMOVED
 - (H) EX. TANK TO BE REMOVED
 - (I) EX. GRAVEL ROAD TO BE REMOVED
 - (J) EX. GUARDRAIL TO BE REMOVED
 - (K) EX. CONCRETE RAMP TO BE REMOVED
 - (L) EX. SANITARY LIFT STATION TO BE REMOVED
 - (N) EX. 550 GALLON WASTE OIL STORAGE TANK TO BE REMOVED
 - (O) EX. WOODEN STEPS AND DECKS TO BE REMOVED
 - (P) EX. CULVERT TO REMAIN
 - (Q) EX. GAS PUMPS TO BE REMOVED
 - (R) EX. 4,000 GALLON GASOLINE/DIESEL TANK TO BE REMOVED (TYP. OF TWO TANKS)
 - (S) EX. TREE TO REMAIN
 - (T) EX. STORAGE STRUCTURES TO BE RELOCATED AS DIRECTED BY THE OWNER
 - (U) EX. 8' CHAIN LINK FENCE WITH SCREENING



STABILIZATION NOTES

1. UPON DEMOLITION AND REMOVAL OF STRUCTURES, ALL BUILDING PADS SHALL BE UNIFORMLY GRADED, SLOPED TO DRAIN AT MINIMUM 2%, AND BE PERMANENTLY STABILIZED WITH SEED AND MULCH.
2. UPON STABILIZATION OF DISTURBED AREAS AND WITH INSPECTOR'S CONCURRENCE, SEDIMENT CONTROL MEASURES MAY BE REMOVED AND THESE AREAS PERMANENTLY STABILIZED.
3. SEE STANDARD SEEDING AND STABILIZATION REQUIREMENTS, SHEET 1 OF 4.
4. EXISTING PAVEMENT SHALL REMAIN EXCEPT AS NOTED.
5. THE EXISTING P.A.F. BUILDING IS A PRE-ENGINEERED STRUCTURE. THE CONTRACTOR SHALL DISASSEMBLE THE STRUCTURE AND STORE ONSITE AT A LOCATION TO BE DETERMINED BY THE OWNER.

UTILITY NOTES

1. ALL EXISTING UTILITY CONNECTIONS SERVING EXISTING STRUCTURES TO BE REMOVED SHOULD BE CUT AND CAPPED PER CALVERT COUNTY DPW AND HEALTH DEPARTMENT REQUIREMENTS PRIOR TO DEMOLITION.
2. REMOVAL OF EXISTING GAS AND ELECTRICAL SERVICES, FACILITIES, ETC. SHOULD BE COORDINATED WITH THE OWNER PRIOR TO REMOVAL.
3. REMOVAL OF EXISTING TELEPHONE/COMMUNICATION LINES SHALL BE COORDINATED WITH SERVICE PROVIDER AND OWNER PRIOR TO REMOVAL.
4. EXISTING FUEL OIL WASTE FACILITIES SHALL BE REMOVED BY A LICENSED, QUALIFIED TANK CONTRACTOR. CONTRACTOR SHALL COORDINATE ALL WORK INCLUDING ADVANCED NOTICE TO THE MARYLAND DEPARTMENT OF ENVIRONMENT AND OIL CONTROL PROGRAM (10-531-3462). CONTRACTOR SHALL COMPLETE ALL FORMS, PERMITS REQUIRED BY MDE, INCLUDING SOIL TESTING. THERE ARE NO INDICATIONS OF CONTAMINATED SOILS CAUSED BY LEAKING. SHOULD THE CONTRACTOR OR MDE DISCOVER CONTAMINATED SOILS, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE OWNER, AND THE FOLLOWING ACTION WILL BE REQUIRED:

REGULATIONS REQUIRING THE REPORTING OF PETROLEUM RELEASES TO MDE ARE FOUND IN CODE OF MARYLAND REGULATIONS (COMAR) 26.10.01.03 AND 26.10.08. THE AUTHORS OF THESE REGULATIONS REQUIRED A TIMELY AND DETAILED REPORT TO PLACE MDE ON NOTICE AND TO ACTIVATE MDE OVERSIGHT OF THE RELEASE SITE. COMAR 26.10.08 FURTHER REQUIRES THAT MDE DIRECT AND APPROVE ALL INITIAL ABATEMENT MEASURES, SITE CHARACTERIZATION, AND CORRECTIVE ACTION PLANS.

FIELD STAFF FROM MDE'S OIL CONTROL PROGRAM (OCP) WILL INSPECT THE SITE AND DETERMINE WHETHER A SITE ASSESSMENT IS REQUIRED. THE SITE ASSESSMENT IS USED TO CHARACTERIZE THE LOCATION AND EXTENT OF THE RELEASE. THE SITE ASSESSMENT WILL INCLUDE ALL INFORMATION LATER USED TO DETERMINE APPROPRIATE REMEDIAL ACTION AND, AS AN INTERACTIVE PROCESS, CONTINUES UNTIL CLOSURE.

THE RESPONSIBLE PARTY SITE ASSESSMENT WILL BE REVIEWED BY THE OCP. NORMALLY OCP REQUIRES THE ASSESSMENT BE PERFORMED WITHIN 60-DAY WINDOW. THE SITE ASSESSMENT PROCESS IS A CUMULATIVE EFFORT. EACH COMPONENT OF THE SITE ASSESSMENT BUILDS UPON THE PREVIOUS WORK. THE SITE ASSESSMENT MAY ALSO ROLL INTO THE REMEDIATION PHASE, PARTICULARLY IF THE SITE IS COMPLEX. IT IS CRITICAL THAT THE SITE ASSESSMENT ADDRESS THE SEVEN FACTORS AND FURTHER DETERMINE THE EXTENT OF CONTAMINATION TO ZERO POINTS OR AREA BACKGROUND LEVELS.

THE 'SEVEN RISK FACTOR' APPROACH WORKS AS FOLLOWS: IF A SITE DOES NOT SHOW ANY OF THE FACTORS, A CORRECTIVE ACTION PLAN IS NOT WARRANTED. HOWEVER, OCP MAY CHOOSE TO MONITOR THE SITE THAT DOES NOT REQUIRE CORRECTIVE ACTION FOR A PERIOD OF TIME TO VERIFY THAT DECISION. IF A SITE IS POSITIVE FOR ONE OR MORE OF THE FACTORS, A CORRECTIVE ACTION PLAN WILL BE REQUIRED.

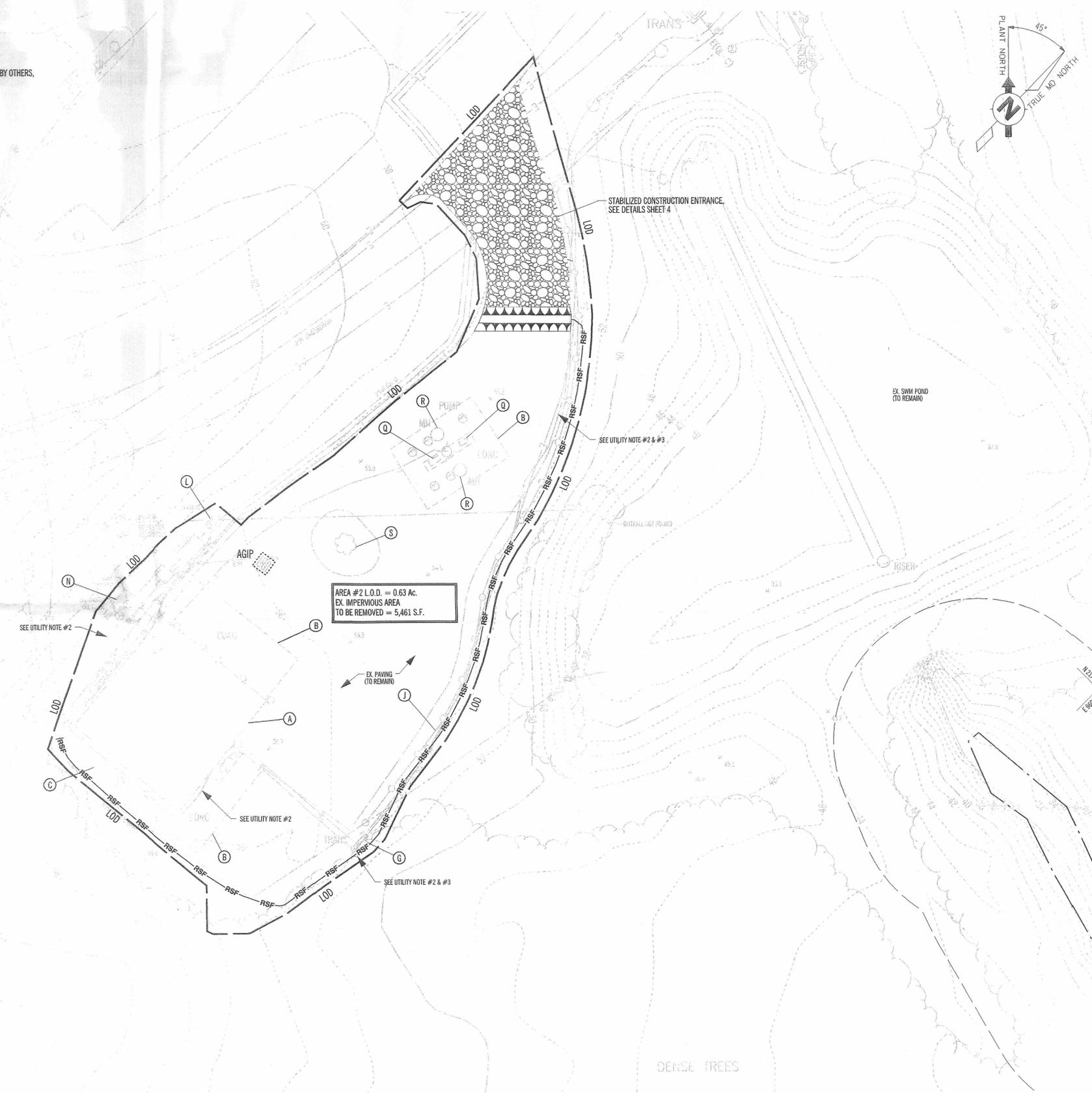
UTILITY NOTES (CONT.)

THE SEVEN RISK FACTORS CONSIDERED FOR EACH SITE BY OCP ARE:

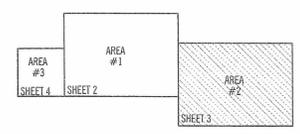
- (1) LIQUID PHASE HYDROCARBONS. LPH REFERS TO A REGULATED SUBSTANCE THAT IS PRESENT AS A NON-AQUEOUS PHASE LIQUID. WHEN LPH IS FOUND ON SITE, THE LIQUID PRODUCT MUST BE REMOVED TO MAXIMUM EXTENT POSSIBLE. OCP HAS DETERMINED THIS TO BE A SHEEN.
- (2) CURRENT AND FUTURE USE OF IMPACTED GROUNDWATER. IF GROUNDWATER IMPACTED BY THE RELEASE IS USED FOR DIRECT CONSUMPTION WITH A HALF MILE OF THE SITE OR THE SITE IS LOCATED WITHIN AN APPROVED WELLDOWN PROTECTION ZONE, A SITE ASSESSMENT AND CORRECTIVE ACTION PLAN MUST BE DESIGNED. OTHER USES OF GROUNDWATER THAT WOULD WARRANT REMEDIATION INCLUDE INDUSTRIAL, AGRICULTURAL, AND SURFACE WATER AUGMENTATION. IF KNOWN FUTURE USE OF THE GROUNDWATER MUST BE TAKEN INTO CONSIDERATION. GENERALLY, IF FUTURE USE IS NOT CLEAR A MORE CONSERVATIVE APPROACH TO CLEANUP IS APPLIED.
- (3) MIGRATION OF CONTAMINATION. THE ABILITY OF CONTAMINATION TO MIGRATE OFF SITE OR MIGRATE TO A RECEPTOR IS A CRITICAL MEASURE. IF IT CAN BE DEMONSTRATED THAT THE CONTAMINATION IS STATIONARY AND SITE CONDITIONS RESTRICT THE POTENTIAL FOR MIGRATION, THE NEED FOR CLEANUP MAY BE REDUCED.
- (4) HUMAN EXPOSURE. ANY EXPOSURE TO THE PUBLIC WARRANTS SITE CORRECTIVE ACTION. THERE ARE SEVERAL EXPOSURE PATHS THAT MUST BE CONSIDERED. THE PATHWAYS INCLUDE BUT ARE NOT LIMITED TO INHALATION, INGESTION, AND DERMAL CONTACT.
- (5) ENVIRONMENTAL ECOLOGICAL EXPOSURE. THE NEED TO PROTECT THE NATURAL RESOURCES OF THE STATE IS MANDATED BY MARYLAND LAW. IF THERE IS EXPOSURE TO ANIMAL OR PLANT LIFE FROM THE PETROLEUM RELEASE OR THE DEGRADATION OF A NATURAL RESOURCE, CORRECTIVE ACTION IS WARRANTED.
- (6) IMPACT TO UTILITIES AND OTHER BURIED SERVICES. THE RESPONSIBLE PARTY MUST CORRECT ADVERSE AFFECTS TO UTILITIES. UTILITY MATERIALS HAVE BEEN KNOWN TO DEGRADE FROM CONTACT WITH PETROLEUM PRODUCTS. UTILITIES MAY ALSO ACT AS CONDUITS THAT LEAD TO THE MIGRATION OF CONTAMINATION. MIGRATION ALONG UTILITIES MAY CAUSE VAPOR IMPACTS OR OTHER ISSUES AT NEARBY STRUCTURES.
- (7) OTHER SENSITIVE RECEPTORS. SENSITIVE RECEPTORS SUCH AS SURFACE WATER, HISTORICAL STRUCTURES, AND SUBWAYS ARE AN INDICATOR THAT A SITE MAY WARRANT FURTHER CORRECTIVE ACTION.

THE IMPACT TO SOIL FROM A RELEASE OF PETROLEUM PRODUCTS PRESENTS ITS OWN SERIES OF ISSUES. THE GOAL ESTABLISHED BY OCP IS TO ENSURE THAT THE PRODUCT OR CONTAMINATIONS IN THE SOIL CANNOT MIGRATE TO WATER RESOURCES OF THE STATE. FURTHER CLEAN-UP GOALS ARE ESTABLISHED FOR SOIL IF IT IS DETERMINED THAT THE SOIL MAY RELEASE VAPORS OR OTHERWISE CAUSE IMPACTS TO HUMAN HEALTH OR ENVIRONMENT. PATHWAYS OF EXPOSURE INCLUDE DERMAL CONTACT, INGESTION, AND INHALATION. IT MAY NOT BE MANDATORY TO REMOVE SOIL SIMPLY BASED ON AS ACROSS-THE-BOARD ACTION LEVEL. THE DECISION TO REMOVE AND TREAT SOIL IS SITE SPECIFIC. HOWEVER, OCP RECOGNIZES THAT SOIL REMOVAL IS GENERALLY THE MOST RELIABLE PROCEDURE TO PREVENT FUTURE CONTAMINATION MIGRATION AND REDUCE RISK.

A CORRECTIVE ACTION PLAN (CAP) IS REQUIRED ONCE THE DETERMINATION HAS BEEN MADE TO REMEDIATE OR MONITOR A RELEASE SITE. THE DEGREE OF CLEANUP AND PLAN DETAIL WILL DEPEND ON COMPLEXITY OF THE SITE AND RISK ASSOCIATED BY THE SITE. THE CAP MUST COMPLY WITH COMAR 26.10.09.



AREA #2 L.O.D. = 0.63 Ac.
EX. IMPERVIOUS AREA
TO BE REMOVED = 5,461 S.F.



SCALE: 1" = 20'

203

OWNER/DEVELOPER:
VERT CLIFFS 3 NUCLEAR PROJECT, LLC
CONSTELLATION WAY
TIMORE, MD 21202
N: ED MILLER
3) 569-9220

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 24836 EXPIRATION DATE: 2/28/2012



No.	REVISION	DATE	BY
1	ISSUE FOR PERMIT	9/13/10	C&O



GREENHORNE & O'MARA
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© LATEST DATE HEREON

DEMOLITION AND SEDIMENT CONTROL PLAN
SEDIMENT CONTROL AND DEMOLITION
for
CALVERT CLIFFS UNIT 3 EXPANSION
FUTURE HEAVY HAUL ROAD AREA
TAX MAP 35; PARCEL 9
1ST DISTRICT, 3RD ASSESSMENT AREA
CALVERT COUNTY, MD

BDA DESIGN	SCALE	1" = 20'
BDA DRAWN	3	
MBK		
CHECKED	SHEET	3 OF 4
SEPT. 2010	094701	
DATE	PROJ No.	FILE No.