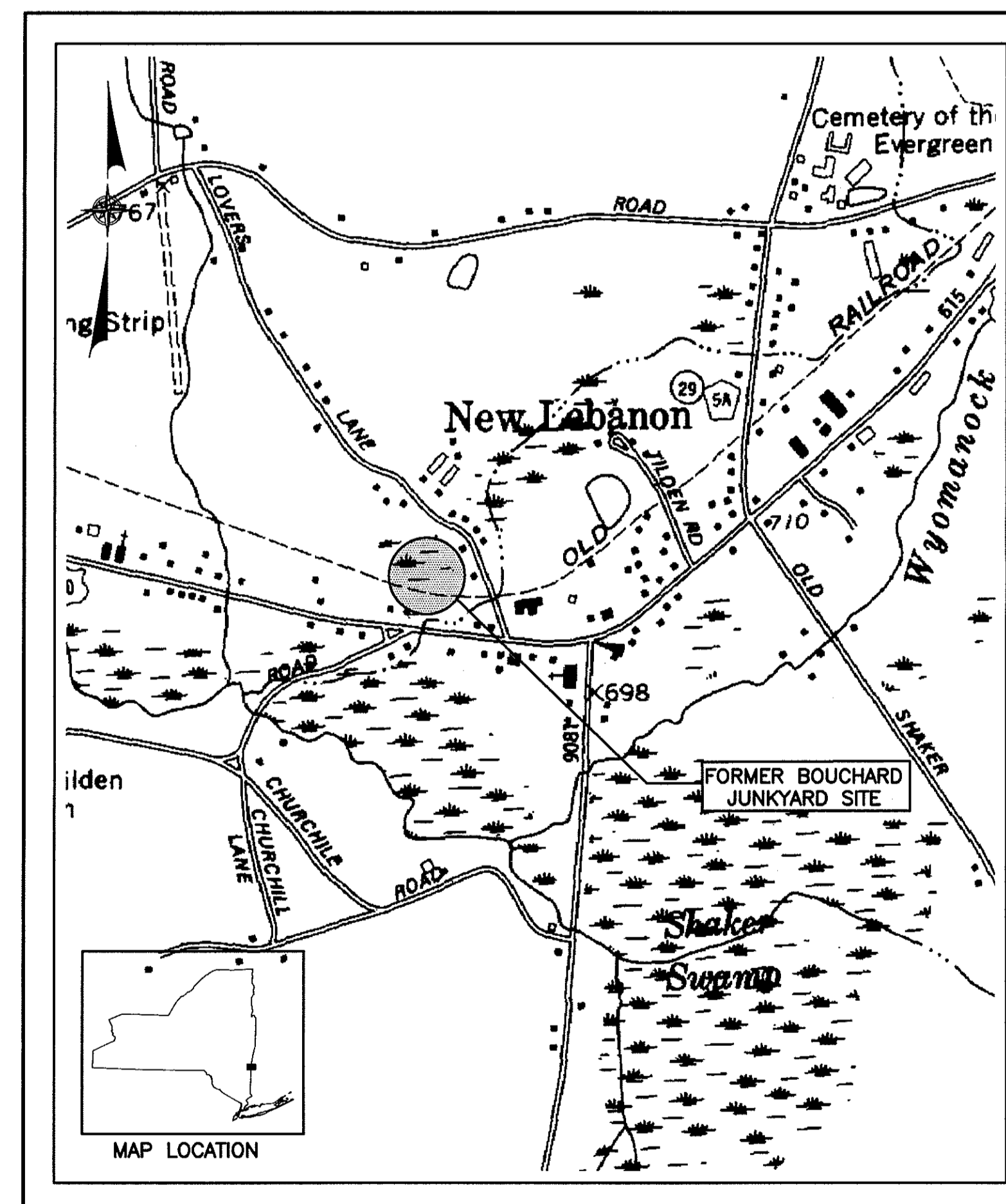


**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

REMEDIAL CONSTRUCTION CONTRACT NO. D006282

**FORMER BOUCHARD JUNKYARD
NEW LEBANON, NEW YORK
SOIL EXCAVATION AND OFF-SITE DISPOSAL**

SITE NO. 4-11-014



LIST OF DRAWINGS

<u>DRAWING No.</u>	<u>DRAWING TITLE</u>
	TITLE SHEET
1	GENERAL NOTES SYMBOLS AND ABBREVIATIONS
2	PROPERTY SURVEY
3	SITE PREPARATION PLAN
4	EXCAVATION PLAN
5	FINAL GRADING AND PLANTING PLAN
6	SEDIMENT CONTROL DETAILS
7	MISCELLANEOUS SITE DETAILS

JANUARY 2008



db Dvirka
and
Bartilucci
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

ABBREVIATIONS

ADD'L	ADDITIONAL	GC	GENERAL CONTRACTOR
AFF	ABOVE FINISHED FLOOR	GS	GALVANIZED STEEL
ALUM	ALUMINUM	HDPE	HIGH DENSITY POLYETHYLENE
AMSL	ABOVE MEAN SEA LEVEL	HP	HORSEPOWER
⊙	AT	H.P.	HIGH POINT
&	AND	ID	INSIDE DIAMETER
B,BOT	BOTTOM	INF	INFLUENT
BLW	BLOWOFF	INT	INTERIOR
BM	BEAM	INV. EL./I.E.	INVERT ELEVATION
BP	BASE PLATE	IJ	ISOLATION JOINT
CH	CHORD	L	LIBER/LENGTH
C.I.	CAST IRON	LBS, #	POUNDS
CJ	CONSTRUCTION JOINT	LF	LINEAR FEET
CL	CLEARANCE	LP	LOW POINT
☉	CENTERLINE	MAX	MAXIMUM
CMU	CONCRETE MASONRY UNIT	MECH	MECHANICAL
C.O.	CLEAN OUT	MFR	MANUFACTURER
COL	COLUMN	MIN	MINIMUM
CONC	CONCRETE	MH	MANHOLE
CONN	CONNECTION	MO	MASONRY OPENING
CONT	CONTINUE, CONTINUOUS	N/F	NOW OR FORMERLY
CU	COPPER	NO./#	NUMBER
D	DRAIN	NSF	NATIONAL SCIENCE FOUNDATION
DET	DETAIL	NTS	NOT TO SCALE
D.I./D.I.P.	DUCTILE IRON/D.I. PIPE	NYS	NEW YORK STATE
DIS	DISCHARGE	NYSDOT	NEW YORK STATE DEPARTMENT OF TRANSPORTATION
DIA./Ø	DIAMETER	OC	ON CENTER
DWG(S)	DRAWING(S)	OD	OUTER DIAMETER
DWLS	DOWELS	OPNG	OPENING
EXIST.	EXISTING	OVR	OVERFLOW
EA	EACH	P	PAGE
EC	ELECTRICAL CONTRACTOR	ℓ	PLATE/PROPERTY LINE
EE	EACH END	PRESS.	PRESSURE
EF	EACH FACE	PSI	POUNDS PER SQUARE INCH
ELELEV	ELEVATION	PVC	POLYVINYL CHLORIDE PIPE
EQ	EQUAL	R	RADIUS
EQUIP	EQUIPMENT	RCP	REINFORCED CONCRETE PIPE
ES	EACH SIDE	REC	RECIRCULATION
ETC	ET CETERA	REINF	REINFORCE, REINFORCING
EW	EACH WAY	REQ'D	REQUIRED
EJ	EXPANSION JOINT	RPZ	REDUCED PRESSURE BACKFLOW PREVENTER
EXP	EXPANSION	S	SANITARY
EXT	EXTERIOR	SCH	SCHEDULE
FAC	FACULTATIVE	SDR	STANDARD DIMENSION RATIO
FACU	FACULTATIVE UPLAND	SP	SUMP PUMP DISCHARGE
FACW	FACULTATIVE WETLAND	SPECS	SPECIFICATIONS
FBO	FURNISHED BY OTHERS	SQ.	SQUARE
FDN	FOUNDATION	SQ. FT.	SQUARE FEET
F.F./FIN. FL	FINISHED FLOOR	STN. STL./S.S.	STAINLESS STEEL
FIN.	FINISHED	STD	STANDARD
FL	FLOOR	STRUCT	STRUCTURAL
FRP	FIBERGLASS REINFORCED PLASTIC	SUC	SUCTION
FS	FLOW SWITCH	T	TOP
FTG	FOOTING	T&B	TOP AND BOTTOM
GALV	GALVANIZED	TOS	TOP OF STEEL
		TOW	TOP OF WALL
		TYP	TYPICAL
		UG	UNDERGROUND
		V	VENT
		VERT.V	VERTICAL
		W/	WITH
		WS	WATER SERVICE
		WWF	WELDED WIRE FABRIC

SYMBOLS

	EXISTING ELECTRICAL CONDUIT
	EXISTING UNDERGROUND UTILITY
	LIMITS OF OFF-SITE WORK
	LIMITS OF CONTRACT
	LIMITS OF EXCAVATION
	NEW CHAIN LINK FENCE
	EXISTING CHAIN LINK FENCE
	APPROXIMATE LINE OF SHEETING/SHORING
	CONTRACTOR'S TEMPORARY STAGING AREA
	BENCH MARK
	ELECTRIC MANHOLE
	SANITARY MANHOLE
	TELEPHONE MANHOLE
	DRAINAGE MANHOLE
	WATER SPIGOT
	ELECTRICAL OUTLET
	FIRE HYDRANT/WALL HYDRANT
	UTILITY POLE
	SECTION NO./ DETAIL LETTER
	DRAWING NO. ON WHICH SECTION / DETAIL IS SHOWN
	DRAWING NO. ON WHICH SECTION / DETAIL IS TAKEN
	EXISTING ELEVATION CONTOUR
	EXISTING SPOT ELEVATION
	PROPOSED ELEVATION CONTOUR
	PROPOSED SPOT ELEVATION
	EXISTING GROUNDWATER MONITORING WELL
	PROPOSED GROUNDWATER MONITORING WELL
	GRAVEL ACCESS ROAD/PARKING AREA
	STABILIZED CONSTRUCTION ENTRANCE
	TOPSOIL/SEED

GENERAL NOTES

1. THE "DEPARTMENT" OR "NYSDEC" SHALL BE DEFINED AS THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION.
2. THE CONTRACTOR SHALL COORDINATE HIS/HER WORK WITH ANY MUNICIPALITY, UTILITY, OR PROPERTY OWNER/TENANT HAVING JURISDICTION WITHIN THE LIMITS OF THIS PROJECT, WHERE NECESSARY.
3. ANY UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND HAVE BEEN OBTAINED FROM AVAILABLE SOURCES. THE EXISTENCE AND LOCATION OF ANY UTILITIES INDICATED ON THE PLANS ARE NOT GUARANTEED AND SHALL BE INVESTIGATED AND VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE STARTING WORK. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY NO LATER THAN 48 HOURS PRIOR TO ANY EXCAVATION THAT MAY AFFECT THAT UTILITY. EXCAVATION IN THE VICINITY OF UNDERGROUND UTILITIES SHALL BE DUG BY HAND. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES.
4. AS PART OF MOBILIZATION, THE CONTRACTOR SHALL COORDINATE THE PROPOSED EXCAVATION WORK WITH THE ENGINEER, THE DEPARTMENT AND THE OWNERS OF THE UTILITIES INVOLVED.
5. BACKFILL AT ANY EXCAVATIONS SHALL BE PLACED IN 6" LIFTS AND SHALL ACHIEVE A COMPACTION NOT LESS THAN 95 PERCENT OF STANDARD PROCTOR MAXIMUM DENSITY. THE DEPARTMENT RESERVES THE RIGHT TO REQUIRE THAT FIELD TESTS BE PERFORMED BY AN APPROVED LABORATORY TO ASSURE THIS COMPACTION RATE AT VARYING DEPTHS. THE CONTRACTOR SHALL HAVE THE APPROVED LABORATORY REPRESENTATIVE ON-SITE WHEN DIRECTED. THE CONTRACTOR SHALL BEAR ALL COSTS FOR TESTING AND ANY DELAYS THAT RESULT FROM SUCH TESTING.
6. EXCAVATIONS SHALL BE CONDUCTED IN COMPLIANCE WITH ALL NEW YORK STATE AND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS, AND OTHER AUTHORITIES HAVING JURISDICTION.
7. THE BURNING OF ANY MATERIALS WITHIN THE CONTRACT LIMITS WILL NOT BE PERMITTED.
8. WHERE EXISTING CURB, GUTTER, SIDEWALK OR WALK IS TO BE REMOVED, IT SHALL BE SAW CUT OR REMOVED AT THE NEAREST JOINT.
9. ALL EXISTING SIGNS IN THE CONTRACT AREA ARE TO REMAIN INTACT. SIGNS DAMAGED SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ANY SIGNS THAT REQUIRE RESETTING SHALL BE PLACED IN A FINAL POSITION DETERMINED BY THE DEPARTMENT. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR SIGNS DAMAGED BY HIS/HER OPERATIONS.
10. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT AND THE ENGINEER A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO THE START OF CONSTRUCTION. IN ADDITION, IF WORK SHOULD BE STOPPED AND RESTARTED FOR ANY REASON, THE CONTRACTOR SHALL GIVE THE DEPARTMENT A MINIMUM SEVENTY-TWO (72) HOURS NOTICE.
11. THE CONTRACTOR SHALL PERFORM DAILY CLEANUP OPERATIONS WHICH INCLUDE SWEEPING OF THE ROADWAYS, REMOVAL OF DEBRIS (CLIPS, PAPER BAGS, CANS, ETC.), REMOVAL OF EXCESS CONSTRUCTION MATERIALS, ALL TO THE SATISFACTION OF THE DEPARTMENT.
12. THE CONTRACTOR SHALL OBTAIN, AND HAVE ON THE JOB SITE AT ALL TIMES, ALL PERMITS AS REQUIRED BY ANY PERMITTING AGENCY. THE CONTRACTOR SHALL BEAR ALL COSTS OF OBTAINING, MAINTAINING AND OPERATING IN ACCORDANCE WITH THESE PERMITS.
13. THE ENTIRE EXISTING DRAINAGE SYSTEM WITHIN THE CONTRACT LIMITS SHALL BE CLEANED AND MAINTAINED DURING THE COURSE OF CONSTRUCTION.
14. ALL FIELD TRAILERS, STOCKPILE AND MATERIAL STORAGE LOCATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF WORK.
15. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN TRAFFIC ON ALL ROADWAYS WHERE WORK IS IN PROGRESS. ALL ROADWAYS SHALL REMAIN OPEN AND ACCESSIBLE TO ALL, EXCEPT AS OTHERWISE SPECIFIED OR APPROVED.
16. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL BUILDINGS AND RESIDENCES WHERE WORK IS IN PROGRESS. THE CONTRACTOR SHALL GIVE THE DEPARTMENT A MINIMUM OF SEVENTY-TWO (72) HOURS NOTICE PRIOR TO PERFORMING WORK WITHIN A 200 FOOT RADIUS OF RESIDENCES.
17. AS PART OF SUBSTANTIAL COMPLETION OF THE PROJECT, ALL STORM DRAINS SHALL BE CLEANED AND INSPECTED.

NO.	DATE	REVISION	INT.



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PROJECT ENGINEER: MRD/PSM	DRAWN BY: LVG
DESIGNED BY: MRD/PSM	CHECKED BY: FD/DMV



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORMER BOUCHARD JUNKYARD

COLUMBIA COUNTY

NEW YORK

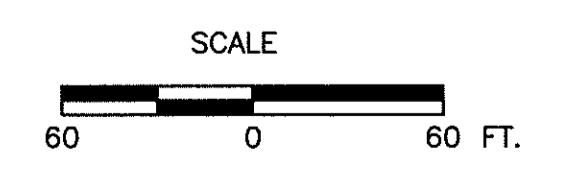
REMEDIAL CONSTRUCTION
CONTRACT NO. D006282

GENERAL NOTES
SYMBOLS AND ABBREVIATIONS

PROJECT NO. 2596	1
DATE: JANUARY 2008	
SCALE: N.T.S.	



- NOTES:**
1. THE BASE MAP WAS PREPARED BY BASEMAPS INTERNATIONAL, 395 CENTRAL AVENUE, BETHPAGE, NY 11714, BASED ON THEIR AERIAL PHOTOGRAPHY CONDUCTED ON OCTOBER 28, 2001. AREAS OBSCURED BY DENSE VEGETATION MAY NOT CONFORM TO NATIONAL MAP ACCURACY STANDARDS.
 2. THE FIELD UPDATE AND BOUNDARY SURVEY WAS PERFORMED BY CLARK ENGINEERING & SURVEYING, P.C., UPDATED TO NOVEMBER 2001. INFORMATION SUPPLIED BY CLARK AND ADDED TO THE BASE MAP INCLUDES: PROPERTY BOUNDARIES AND OWNERSHIP, MAP REFERENCES, WATER SUPPLY WELL LOCATIONS, STREAM/DITCH LOCATIONS, CULVERT LOCATIONS, OVERHEAD WIRES, ELECTRICAL BOX AT CLARK ENGINEERING, UNDERGROUND ELECTRIC LOCATION, LOCATION OF THE CHITTENDEN RESIDENCE AND THE HOUSE AND SHED SOUTH OF THAT RESIDENCE, FENCE LOCATIONS.
 3. THE SAMPLING SURVEY WAS PERFORMED BY YEC, INC. ON JANUARY 4, 2002. INFORMATION SUPPLIED BY YEC AND ADDED TO THE BASE MAP INCLUDES: LOCATIONS AND ELEVATIONS OF: MONITORING WELLS, TEST PITS, SURFACE WATER AND SEDIMENT SAMPLES, AND 2 TOP OF BRIDGE ELEVATIONS. A SAMPLING GRID WAS ALSO ESTABLISHED.
 4. THE WETLANDS DELINEATION WAS PERFORMED BY ECOLOGICS, LLC. ON OCTOBER 31, 2006 AND SURVEYED BY YEC, INC. ON NOVEMBER 3, 2006. INFORMATION SUPPLIED BY YEC AND ADDED TO THE BASE MAP INCLUDES: EXTENTS OF WETLANDS AT THE EASTERN PORTION OF THE SITE.
 5. A FOLLOW-UP FIELD UPDATE WAS PERFORMED BY CLARK ENGINEERING & SURVEYING, LLC. ON DECEMBER 12, 2006. INFORMATION SUPPLIED BY CLARK AND ADDED TO THE BASE MAP INCLUDES: TREES LOCATED ON THE PROPERTY OF RALPH W. & MARY C. CHITTENDEN, TREES LOCATED ON THE PROPERTY OF RALPH CHITTENDEN, POOL DECK, SEPTIC TANKS, LEACHING FIELDS, ELECTRIC OUTLET AND WATER SUPPLY WELL.
 6. A FIELD UPDATE WAS PERFORMED BY DVIRKA AND BARTILUCCI CONSULTING ENGINEERS ON FEBRUARY 1, 2007. INFORMATION OBTAINED AND ADDED TO THE BASEMAP INCLUDES: TWO EASTERMOST BUILDINGS IN SPRUCE TREE AREA EAST OF THE CHITTENDEN RESIDENCE AND CONCRETE FOUNDATION PAD.
 7. ELEVATIONS SHOWN ARE REFERENCED TO AERIAL PANEL POINT ELEVATIONS PROVIDED BY CLARK ENGINEERING.
 8. HORIZONTAL DATUM: NEW YORK STATE PLANE, NY EAST NAD 83; VERTICAL DATUM: NAVD 88.
 9. UNDERGROUND UTILITIES ARE SHOWN PER FIELD OBSERVATION, THEIR ACTUAL LOCATION MAY VARY AND OTHERS MAY EXIST.



NO.	DATE	REVISION	INT.



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PROJECT ENGINEER: MRD/PSM
 DRAWN BY: LVG
 DESIGNED BY: MRD/PSM
 CHECKED BY: FD/DMV



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 FORMER BOUCHARD JUNKYARD
 COLUMBIA COUNTY
 NEW YORK

**REMEDIAL CONSTRUCTION
 CONTRACT NO. D006282**

PROJECT NO. 2596
 DATE: JANUARY 2008
 SCALE: 1"=60'

PROPERTY SURVEY

2

SEQUENCE OF SITE PREPARATION

CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING COMPLIANCE WITH ALL CONDITIONS AND NOTIFICATION REQUIREMENTS OF ISSUED PERMITS AND PERMITS OBTAINED BY THE NYSDEC FOR COMPLETION OF THE WORK INCLUDING, BUT NOT NECESSARILY LIMITED TO, THE U.S. ARMY CORPS OF ENGINEERS (NATION WIDE PERMIT 33 - TEMPORARY CONSTRUCTION, ACCESS AND DEWATERING AND NATION WIDE PERMIT 38 - CLEANUP OF HAZARDOUS AND TOXIC WASTE).

GENERAL

- * PERFORM UNDERGROUND UTILITY MARKOUT SURVEY IN ACCORDANCE WITH THE REQUIREMENTS OUTLINED IN THE CONTRACT DOCUMENTS (SEE NOTE 7).
- * PERFORM INITIAL SITE SURVEY IN ACCORDANCE WITH THE REQUIREMENTS OUTLINED IN THE CONTRACT DOCUMENTS (SEE NOTES 8 AND 9).
- * ABANDON GROUNDWATER MONITORING WELLS MW-2, MW-3, MW-5 AND MW-6. THE CONTRACTOR SHALL ABANDON THE MONITORING WELLS IN ACCORDANCE WITH THE REQUIREMENTS OUTLINED IN THE CONTRACT DOCUMENTS.
- * SAMPLE GROUNDWATER MONITORING WELLS MW-1 AND MW-4 AND ALL WATER SUPPLY WELLS LOCATED WITHIN THE LIMITS OF WORK. SAMPLING SHALL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS AS OUTLINED IN THE SPECIFICATIONS.

AREAS 1-7 AND 9

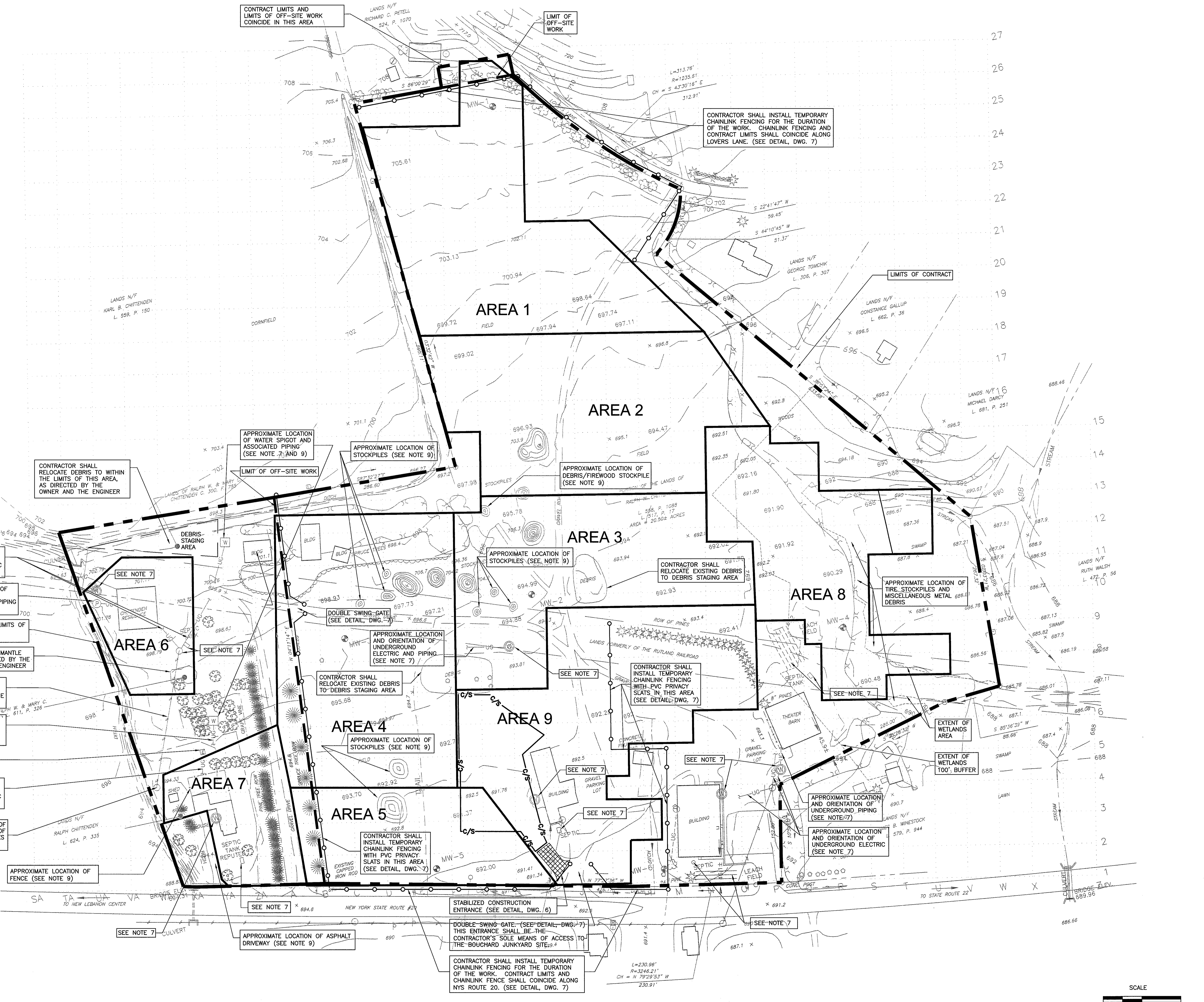
- * INSTALL CHAIN LINK FENCING AND DOUBLE SWING GATES AS SHOWN AND IN ACCORDANCE WITH THE REQUIREMENTS OUTLINED IN THE CONTRACT DOCUMENTS.
- * SEDIMENT, EROSION AND STORM WATER CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CONTRACTOR APPROVED STORM WATER MANAGEMENT PLAN.
- * REMOVE CONTAMINATED SOIL AND TEST REMEDIATED AREA TO BE USED FOR CONTRACTOR'S/ENGINEER'S TRAILER, STAGING AND STORAGE, STABILIZED CONSTRUCTION ENTRANCE AND PORTABLE TRUCK SCALE. THESE FACILITIES SHALL BE LOCATED WITHIN THE CONTRACTOR'S TEMPORARY STAGING AREA.
- * BACKFILL AREA TO BE USED FOR CONTRACTOR'S/ENGINEER'S TRAILER AND STAGING AND STORAGE WITH 6" OF NYS DOT SUBBASE COURSE (ITEM-304.14M) CONCRETE TYPE 4.
- * INSTALL STABILIZED CONSTRUCTION ENTRANCE AS SPECIFIED (SEE DETAIL, DWG. 7).
- * INSTALL TRAILER, TEMPORARY ELECTRIC/TELEPHONE/INTERNET, AND TEMPORARY PARKING.
- * PREPARE FOUNDATION FOR PORTABLE TRUCK SCALE AND INSTALL PORTABLE TRUCK SCALE IN ACCORDANCE WITH THE REQUIREMENTS OUTLINED IN THE CONTRACT DOCUMENTS AND THE MANUFACTURER'S RECOMMENDATIONS.
- * RELOCATE EXISTING DEBRIS TO DEBRIS STAGING AREA, AS SHOWN ON THIS DRAWING, OR OTHER LOCATION AS APPROVED BY THE OWNER AND THE DEPARTMENT.
- * CHARACTERIZE AND DISPOSE OF OFF-SITE ALL EXISTING YARD DEBRIS AND SOIL STOCKPILES IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS AND THE CONTRACT DOCUMENTS.
- * CLEAR ALL TREES, BUSHES AND SHRUBS WITHIN AREAS 1-6 AND 9. CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEYING THE LOCATION OF TREES MARKED BY THE DEPARTMENT FOR REPLACEMENT PRIOR TO THEIR REMOVAL AND THEY SHALL BE INCLUDED AS A PART OF THE INITIAL SITE SURVEY, IN ACCORDANCE WITH THE REQUIREMENTS OUTLINED IN THE CONTRACT DOCUMENTS.

AREA 8

- * CHARACTERIZE AND DISPOSE OF OFF-SITE ALL EXISTING YARD DEBRIS, TIRES, SCRAP METAL AND MISCELLANEOUS DEBRIS IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS AND THE CONTRACT DOCUMENTS.
- * INSTALL ALL DEWATERING DEVICES IN ACCORDANCE WITH THE CONTRACTOR'S APPROVED DEWATERING PLAN.
- * CLEAR ALL DEBRIS, TREES, BUSHES AND SHRUBS WITHIN AREA 8.

SITE WORK NOTES:

- DO NOT SCALE ANY DRAWINGS. VERIFY THE FIGURES, DIMENSIONS, AND DESIGN INTENTION SHOWN ON THE DRAWINGS BEFORE BEGINNING LAYOUT OF THE WORK AND REPORT ANY INACCURACIES, MISSING DIMENSIONAL REQUIREMENTS OR CONFLICTS TO THE ENGINEER IN WRITING PRIOR TO BEGINNING ANY WORK. REFER TO DWG. 4 FOR COORDINATES OF EACH AREA OF CONSTRUCTION.
- ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, LAWS, AND STATUTES AS REQUIRED.
- ALL EXISTING STRUCTURES SHALL BE PROTECTED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE AT ALL TIME ACCESS TO THE EXISTING BUSINESSES AND RESIDENCES ON AND ADJACENT TO THE SITE AND PROVIDE TEMPORARY PARKING AREAS FOR DISTURBED AREAS. THE CONTRACTOR SHALL PROVIDE EXISTING BUSINESSES AND RESIDENCES 10-DAYS NOTICE IN WRITING PRIOR TO ANY DISTURBANCE IN AREA WHICH MIGHT AFFECT THE EXISTING BUSINESSES AND RESIDENCES. THIS INCLUDES ALL WORK IN AREAS 6 AND 7, OFF-SITE WORK IN AREA 1 AND WORK IN AREA 9 EAST OF TEMPORARY CHAIN LINK FENCE. SCHEDULE WORK TO MINIMIZE IMPACTS WITH BUSINESSES AND RESIDENCES.
- THE CONTRACTOR SHALL CHARACTERIZE AND DISPOSE OF OFF-SITE ALL EXISTING YARD DEBRIS AND SOIL STOCKPILES IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS AND THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL INSTALL A 6 FOOT HIGH TEMPORARY CHAIN LINK FENCE AT THE BOUNDARY OF THE CONTRACT LIMITS, AS SHOWN ON THE DRAWINGS AND AS DIRECTED BY THE DEPARTMENT, TO PREVENT UNAUTHORIZED ACCESS TO THE PORTIONS OF THE SITE WHERE WORK IS TAKING PLACE (SEE DETAIL, DWG. 7). THE CONTRACTOR SHALL MAINTAIN THE FENCE IN FIRST CLASS CONDITION DURING THE WORK AND REMOVE AND PROPERLY DISPOSE OF THE FENCE OFF-SITE, AS DIRECTED BY THE DEPARTMENT OR ENGINEER, AND AS PART OF COMPLETION OF THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE SERVICES OF AN INDEPENDENT UTILITY MARKOUT SERVICE TO LOCATE AND MARKOUT THE LOCATION OF ALL UTILITIES AND STRUCTURES WITHIN THE VICINITY OF THE WORK. PARTICULAR ATTENTION SHOULD BE MADE TOWARD THOSE UTILITIES "APPROXIMATED" WITHIN THE CONTRACT LIMITS, AS NOTED ON THIS DRAWING. THE CONTRACTOR SHALL LOCATE AND MARKOUT THE FOLLOWING UTILITIES AND STRUCTURES INCLUDING, BUT NOT LIMITED TO, THE UNDERGROUND WATER AND ELECTRIC LINES ASSOCIATED WITH EACH WATER SUPPLY WELL, THE UNDERGROUND PROPANE/GAS LINE ASSOCIATED WITH THE ABOVEGROUND PROPANE TANK, THE UNDERGROUND ELECTRIC LINE LEAVING THE NORTHWEST CORNER OF THE CHITTENDEN RESIDENCE, THE UNDERGROUND ELECTRIC LINES ASSOCIATED WITH EACH ELECTRIC UTILITY POLE, THE UNDERGROUND ELECTRIC LINE ASSOCIATED WITH THE ELECTRIC OUTLET, THE UNDERGROUND WATER LINE ASSOCIATED WITH EACH WATER SPIGOT, THE SEPTIC TANKS ASSOCIATED WITH EACH BUILDING AND THE LEACHING FIELDS ASSOCIATED WITH EACH SEPTIC TANK. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES.
- CONTRACTOR SHALL ESTABLISH A 50-FOOT GRID NETWORK AS SHOWN WITHIN THE CONTRACT LIMITS FOR USE DURING CONSTRUCTION AS SHOWN ON THE CONTRACT DRAWINGS. AT AREAS NEAR THE CONTRACT LIMITS, EXTRA NODES MAY BE REQUIRED TO PROPERLY DELINEATE THE LIMITS OF EXCAVATION. THE PROPOSED GRID NETWORK SHALL BE DEPICTED ON THE CONTRACTOR'S DRAWINGS SUBMITTED WITH THE WORK PLAN. A MINIMUM OF FOUR TEMPORARY BENCHMARKS SHALL BE ESTABLISHED BY THE CONTRACTOR OUTSIDE THE CONTRACT LIMITS FOR USE DURING THE WORK. ALL SURVEY WORK REQUIRED BY THE CONTRACT SHALL CONSIST OF THE MEASUREMENT OF SPOT ELEVATIONS AT EACH NODE OF THE GRID NETWORK. AERIAL SURVEYS SHALL NOT BE ACCEPTABLE. CONTRACTOR SHALL UTILIZE GRADE STAKES AT EACH NODE OF THE GRID NETWORK TO MEASURE THE DEPTH OF EXCAVATION AS WORK PROCEEDS. WHERE VISIBLY UNEVEN GRADES ARE OBSERVED BETWEEN GRID NODES, EXTRA GRADE STAKES MAY BE REQUIRED FOR FURTHER DELINEATION, AS DIRECTED BY THE ENGINEER. GRADE STAKES SHALL BE LABELED WITH CUT LINE AND SHALL REMAIN IN PLACE TO ALLOW FOR FIELD INSPECTION OF THE EXCAVATION DEPTHS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE SERVICES OF A LICENSED, NEW YORK STATE LAND SURVEYOR TO PERFORM AN INITIAL SITE SURVEY TO VERIFY THE INITIAL SITE CONDITIONS. PARTICULAR ATTENTION SHOULD BE MADE TOWARD THOSE SITE FEATURES "APPROXIMATED" WITHIN THE CONTRACT LIMITS, AS NOTED ON THIS DRAWING. THE CONTRACTOR SHALL SURVEY THE FOLLOWING FEATURES, INCLUDING, BUT NOT LIMITED TO, THE ABOVEGROUND PROPANE TANK, ELECTRIC POLE NEAR AREA 7, OVERHEAD ELECTRIC LINES, EXTENT OF THE ASPHALT DRIVEWAY IN AREA 7, EXTENT OF GRAVEL SURROUNDING THE CHITTENDEN RESIDENCE, WATER SPIGOTS, STOCKPILES, BUILDINGS NEAR SPRUCE TREES IN AREA 4, AND THE FENCE AND FEATURES WITHIN FENCED AREA IN AREA 7.



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PROJECT ENGINEER: MRD/PSM	DRAWN BY: LVG
DESIGNED BY: MRD/PSM	CHECKED BY: FDB/MV

db Dvirka and Bartilucci
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORMER BOUCHARD JUNKYARD
COLUMBIA COUNTY NEW YORK
REMEDIAL CONSTRUCTION
CONTRACT NO. D006282

PROJECT NO. 2596
DATE: JANUARY 2008
SCALE: 1"=60'
DRAWING NO. 3
SITE PREPARATION PLAN

SEQUENCE OF EXCAVATION

THE CONTRACTOR IS CAUTIONED THAT THE INSTALLATION OF THE WORK SHALL BE COMPLETED IN SEPARATE PHASES, OR STAGES, IN ORDER TO MINIMIZE THE DISTURBANCE TO AND DESTABILIZATION OF PARTICULAR AREAS AT ANY GIVEN TIME.

THIS SEQUENCE OF CONSTRUCTION IS A GENERAL OVERVIEW OF THE PHASING AND SEQUENCING OF CONSTRUCTION, AND SHALL BE ADHERED TO. IT DOES NOT RELIEVE THE CONTRACTOR OF PROVIDING A DETAILED CONSTRUCTION SCHEDULE TO THE ENGINEER FOR APPROVAL, AS REQUIRED BY THE SPECIFICATIONS.

IN ACCORDANCE WITH THE SPECIFICATIONS, THE CONTRACTOR SHALL PROVIDE A TRUCK ROUTING PLAN WHICH DEMONSTRATES THAT THE HAULING OF CONTAMINATED MATERIAL ON-SITE WILL BE MANAGED IN SUCH A WAY SO AS TO AVOID TRAVERSING OVER REMEDIATED/STABILIZED AREAS OR TRAVERSING OVER CONTAMINATED AREAS TO GAIN ACCESS TO REMEDIATED/STABILIZED AREAS.

THE CONTRACTOR SHALL UTILIZE POINT LIST, AS SHOWN ON THIS DRAWING, TO LOCATE EXCAVATION LIMITS PRIOR TO PERFORMING THE WORK. POINTS CONFORM TO THE NEW YORK STATE PLANE, NY EAST NAD 83 HORIZONTAL DATUM, OF THE ENGINEER AND THE DEPARTMENT. CONTRACTOR SHALL EXCAVATE CONTAMINATED AREAS PRIOR TO CONDUCTING THE WORK WITHIN EACH AREA.

THE CONTRACTOR SHALL EXCAVATE ALL SOIL ESTIMATED TO CONTAIN PCBs >50 MG/KG FIRST WITHIN EACH AREA PRIOR TO EXCAVATING ALL OTHER CONTAMINATED SOIL.

PHASE 1 (AREA 1 (2.61 ACRES), AREA 2 (2.43 ACRES), AREA 3 (2.12 ACRES), AREA 4 (2.70 ACRES) & AREA 5 (1.20 ACRES))

CONTRACTOR SHALL ONLY EXPOSE SOIL WITHIN ONE AREA AT A TIME, AND SHALL NOT START ADDITIONAL EXCAVATION WORK UNTIL APPROVAL OF PREVIOUS EXCAVATION BY THE ENGINEER.

PROTECT EXISTING ABOVEGROUND STRUCTURES, UNDERGROUND UTILITIES AND STRUCTURES, MONITORING WELLS AND WATER SUPPLY WELLS WITHIN EACH AREA AND TREES LOCATED OUTSIDE THE LIMITS OF EXCAVATION.

EXCAVATE HAZARDOUS/TS/CA REGULATED SOIL IN EACH AREA, AS NOTED, AND REMOVE SOIL FROM THE SITE OR TEMPORARILY STORE SOIL IN HAZARDOUS/TS/CA REGULATED SOIL STAGING AREA.

EXCAVATE CONTAMINATED SOIL IN EACH AREA TO THE DEPTHS SHOWN ON THE EXCAVATION PLAN AND REMOVE CONTAMINATED SOIL FROM THE SITE OR TEMPORARILY STORE CONTAMINATED SOIL IN NONHAZARDOUS SOIL STAGING AREA.

TRANSPORT AND DISPOSE OF EXCAVATED SOIL OFF-SITE IN ACCORDANCE WITH THE SPECIFICATIONS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

CONDUCT ENDPOINT SAMPLING OF EXCAVATED AREAS AND ENDPOINT SAMPLE LOCATIONS.

PERFORM INTERMEDIATE SURVEY OF EXCAVATED AREAS AND ENDPOINT SAMPLE LOCATIONS.

PRIOR TO BACKFILLING, AN EXTRA SIX INCHES OF SOIL OR MORE, BASED UPON SOIL TESTING, WILL BE REMOVED FROM AREAS UTILIZED FOR THE TEMPORARY STOCKPILES. COORDINATE THIS EXCAVATION WITH THE ENGINEER.

INSTALL GEOTEXTILE DEMARCATION LAYER OVER AREAS OF EXCAVATION THAT EXHIBIT RESIDUAL CONCENTRATIONS OF PCBs BELOW APPLICABLE CLEANUP OBJECTIVES (I.E., SUBSURFACE CONCENTRATION > 1 PPM BUT < 10 PPM), AS DIRECTED BY THE ENGINEER AND THE DEPARTMENT, PRIOR TO BACKFILLING.

BACKFILL EXCAVATION WITH GENERAL FILL AND SIX INCHES OF TOPSOIL IN ACCORDANCE WITH THE SPECIFICATIONS AND FINE GRADE TO CONFORM TO THE FINAL GRADING PLAN.

BASED UPON SEASONAL LIMITATIONS, INSTALL AND MAINTAIN TEMPORARY OR PERMANENT VEGETATION IN ACCORDANCE WITH THE SPECIFICATIONS TO STABILIZE REMEDIATED AREA.

ENGINEER SHALL INSPECT EACH AREA PRIOR TO THE START OF THE NEXT PHASE.

PHASE 2 (AREA 6 (0.67 ACRES) & AREA 7 (0.88 ACRES))

CONTRACTOR SHALL ONLY WORK WITHIN ONE AREA AT A TIME, AND SHALL NOT START ADDITIONAL AREAS APPROVAL OF PREVIOUS AREA BY THE ENGINEER. CONTRACTOR SHALL EXCAVATE CONTAMINATED AREA, ENDPOINT SAMPLE AND RESTORE AREA 6 AND AREA 7 WITHIN 5 BUSINESS DAYS EACH. CONTRACTOR SHALL NOTIFY THE DEPARTMENT AT LEAST 72 HOURS PRIOR TO CONDUCTING WORK IN THESE AREAS.

PROTECT EXISTING ABOVEGROUND STRUCTURES, UNDERGROUND UTILITIES AND STRUCTURES, MONITORING WELLS AND WATER SUPPLY WELLS WITHIN EACH AREA, TREES LOCATED OUTSIDE THE LIMITS OF EXCAVATION, AND TREES AND BUSHES WITHIN AREA 7.

EXCAVATION AROUND EXISTING TREES AND BUSHES WITHIN AREA 7 SHALL BE DONE BY HAND IN THE ROOT ZONE. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REPLACEMENT, IN KIND, OF TREES OR BUSHES DAMAGED DURING EXCAVATION.

EXCAVATE CONTAMINATED SOIL IN EACH AREA TO THE DEPTHS SHOWN AND REMOVE CONTAMINATED SOIL FROM THE SITE OR TEMPORARILY STORE CONTAMINATED SOIL IN NONHAZARDOUS SOIL STAGING AREA.

TRANSPORT AND DISPOSE OF EXCAVATED SOIL OFF-SITE IN ACCORDANCE WITH THE SPECIFICATIONS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

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ENGINEER SHALL INSPECT EACH AREA PRIOR TO THE START OF THE NEXT PHASE.

PHASE 3 (AREA 8 (1.98 ACRES))

CONTRACTOR SHALL PREPARE AREA 8 IN ACCORDANCE WITH THESE CONTRACT DRAWINGS (SEE DWG 3, SITE PREPARATION PLAN).

PROTECT EXISTING ABOVEGROUND STRUCTURES, UNDERGROUND UTILITIES AND STRUCTURES, MONITORING WELLS AND WATER SUPPLY WELLS WITHIN AREA 8 AND TREES LOCATED OUTSIDE THE LIMITS OF EXCAVATION.

EXCAVATE HAZARDOUS/TS/CA REGULATED SOIL IN AREA 8, AS NOTED, AND REMOVE SOIL FROM THE SITE OR TEMPORARILY STORE SOIL IN HAZARDOUS/TS/CA REGULATED SOIL STAGING AREA.

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BASED UPON SEASONAL LIMITATIONS, INSTALL AND MAINTAIN TEMPORARY OR PERMANENT VEGETATION IN ACCORDANCE WITH THE SPECIFICATIONS TO STABILIZE REMEDIATED AREA.

ENGINEER SHALL INSPECT EACH AREA PRIOR TO THE START OF THE NEXT PHASE.

PHASE 4 (AREA 9 (2.80 ACRES))

PROTECT EXISTING WATER SUPPLY WELLS, SEPTIC TANK, LEACHING FIELDS, TREES LOCATED OUTSIDE THE EXCAVATION LIMITS, ELECTRICAL UTILITIES, STRUCTURES AND ALL UNDERGROUND UTILITIES ASSOCIATED WITH EACH ITEM.

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CONDUCT ENDPOINT SAMPLING OF EXCAVATED AREAS AND ENDPOINT SAMPLE LOCATIONS.

REMOVE CONTRACTORS/ENGINEERS STAGING/STORAGE AREA.

PERFORM INTERMEDIATE SURVEY OF EXCAVATED AREAS AND ENDPOINT SAMPLE LOCATIONS.

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BASED UPON SEASONAL LIMITATIONS, INSTALL AND MAINTAIN TEMPORARY OR PERMANENT VEGETATION IN ACCORDANCE WITH THE SPECIFICATIONS TO STABILIZE REMEDIATED AREA.

NOTES:

1. CONTRACTOR SHALL LIMIT SIZE OF EACH ACTIVE EXCAVATION TO THE SEQUENCE OF CONSTRUCTION AREAS SHOWN ON THIS DRAWING (BUT AT NO TIME SHALL THE ACTIVE EXCAVATION BE GREATER THAN 2.7 ACRES) UNLESS OTHERWISE SPECIFIED OR APPROVED BY THE ENGINEER.

2. CONTRACTOR SHALL CONDUCT EXCAVATION IN ACCORDANCE WITH THE SEQUENCE OF CONSTRUCTION AS SHOWN ON THIS DRAWING.

3. EXCAVATION WITHIN THESE AREAS CONSISTS OF AQUATIC SEDIMENTS, AREAS GENERALLY CONSIST OF WETLANDS AND/OR STANDING WATER WITH MOIST SEDIMENTS. CONTRACTOR SHALL TAKE ALL PRECAUTION TO PROTECT WETLAND AREAS NOT TO BE DISTURBED WHILE FACILITATING REMOVAL OF CONTAMINATED SEDIMENTS. SPECIAL EQUIPMENT MAY BE REQUIRED TO ACCOMPLISH EXCAVATION IN THIS AREA.

4. CONTRACTOR'S WORK WITHIN ANY OFF-SITE AREA (NORTHERN PORTION OF AREA 1, WESTERN PORTION OF AREAS 4 AND 5, AREA 6 AND AREA 7) SHALL BE COMPLETED WITHIN 5 DAYS, INCLUDING EXCAVATION, ENDPOINT SAMPLING, BACKFILL AND COMPACTION AND RESTORATION.

5. ALL DIRT/GRAVEL ROADWAYS WITHIN LIMITS OF EXCAVATION SHALL BE REMOVED PRIOR TO EXCAVATION TO THE REQUIRED DEPTH.

6. SITE LAYOUT SHALL BE AS DEPICTED ON DWG. 3.

7. GROUNDWATER MONITORING WELLS AND WATER SUPPLY WELLS THAT ARE DAMAGED AS A RESULT OF CONSTRUCTION SHALL BE ABANDONED AND REPLACED, IN KIND, IN ACCORDANCE WITH THE SPECIFICATIONS AT NO ADDITIONAL COST TO THE DEPARTMENT.

8. CONTRACTOR SHALL EMPLOY AIR MONITORING IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS THROUGHOUT THE PERFORMANCE OF THE WORK.

9. ENDPOINT SAMPLING SHALL BE CONDUCTED WITHIN EACH EXCAVATION, AS REQUIRED BY THE SPECIFICATIONS, PRIOR TO BACKFILL AND COMPACTION. NO BACKFILLING SHALL TAKE PLACE UNTIL THE APPROVAL OF EXCAVATION DEPTHS, ENDPOINT SAMPLING RESULTS AND DUSR REPORTS BY THE ENGINEER AND THE DEPARTMENT. CONTRACTOR SHALL BE ALLOWED TO BACKFILL DEEP EXCAVATION AREAS PRIOR TO THE ENGINEERS AND THE DEPARTMENTS APPROVAL, HOWEVER CONTRACTOR DOES SO AT HISHER OWN RISK.

10. SHEETING AND SHORING SHALL BE AS REQUIRED BY THE SPECIFICATIONS. HORIZONTAL AND VERTICAL EXTENTS OF SHEETING AND SHORING SHALL BE AT LEAST 5 FEET GREATER THAN REQUIRED TO ACCOMPLISH THE EXCAVATIONS SHOWN ON THIS DRAWING IN THE EVENT THAT ENDPOINT SAMPLE RESULTS DICTATE EXCAVATION OF AN ADDITIONAL 5 FEET OF SOIL IN ANY DIRECTION.

11. CONTRACTOR SHALL EXECUTE THE WORK TO PREVENT DAMAGE OR INJURY TO EXISTING SITE STRUCTURES, UTILITIES AND EXISTING SITE FEATURES (E.G. TREES, WELLS, LEACHING FIELDS, ETC.). ANY DAMAGE RESULTING FROM THE PERFORMANCE OF THE WORK SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.

12. CONTRACTOR SHALL EXECUTE THE WORK SO AS NOT TO INTERFERE WITH THE USE AND THE FREE AND SAFE PASSAGE TO AND FROM EXISTING STRUCTURES.

13. CONTRACTOR SHALL REMOVE FENCE AND REPLACE AT THE COMPLETION OF EXCAVATION IN AREA 7. IF FENCE IS DAMAGED, CONTRACTOR SHALL REPLACE IN KIND.

CONTRACTOR SHALL CONTACT THE UTILITY COMPANY TO DETERMINE REQUIREMENTS FOR PROTECTION OR RELOCATION OF UTILITY POLE TO COMPLETE THE WORK AND SHORING PRIOR TO REQUIRED PROTECTION AND/OR RELOCATION SERVICES IN ACCORDANCE WITH THE UTILITY COMPANY'S REQUIREMENTS.

CONTRACTOR SHALL ONLY WORK WITHIN ONE AREA AT A TIME, AND SHALL NOT START ADDITIONAL AREAS APPROVAL OF PREVIOUS AREA BY THE ENGINEER. CONTRACTOR SHALL EXCAVATE CONTAMINATED AREA, ENDPOINT SAMPLE AND RESTORE AREA 6 AND AREA 7 WITHIN 5 BUSINESS DAYS EACH. CONTRACTOR SHALL NOTIFY THE DEPARTMENT AT LEAST 72 HOURS PRIOR TO CONDUCTING WORK IN THESE AREAS.

PROTECT EXISTING ABOVEGROUND STRUCTURES, UNDERGROUND UTILITIES AND STRUCTURES, MONITORING WELLS AND WATER SUPPLY WELLS WITHIN EACH AREA, TREES LOCATED OUTSIDE THE LIMITS OF EXCAVATION, AND TREES AND BUSHES WITHIN AREA 7.

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BASED UPON SEASONAL LIMITATIONS, INSTALL AND MAINTAIN TEMPORARY OR PERMANENT VEGETATION IN ACCORDANCE WITH THE SPECIFICATIONS TO STABILIZE REMEDIATED AREA.

ENGINEER SHALL INSPECT EACH AREA PRIOR TO THE START OF THE NEXT PHASE.

PHASE 3 (AREA 8 (1.98 ACRES))

CONTRACTOR SHALL PREPARE AREA 8 IN ACCORDANCE WITH THESE CONTRACT DRAWINGS (SEE DWG 3, SITE PREPARATION PLAN).

PROTECT EXISTING ABOVEGROUND STRUCTURES, UNDERGROUND UTILITIES AND STRUCTURES, MONITORING WELLS AND WATER SUPPLY WELLS WITHIN AREA 8 AND TREES LOCATED OUTSIDE THE LIMITS OF EXCAVATION.

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PHASE 4 (AREA 9 (2.80 ACRES))

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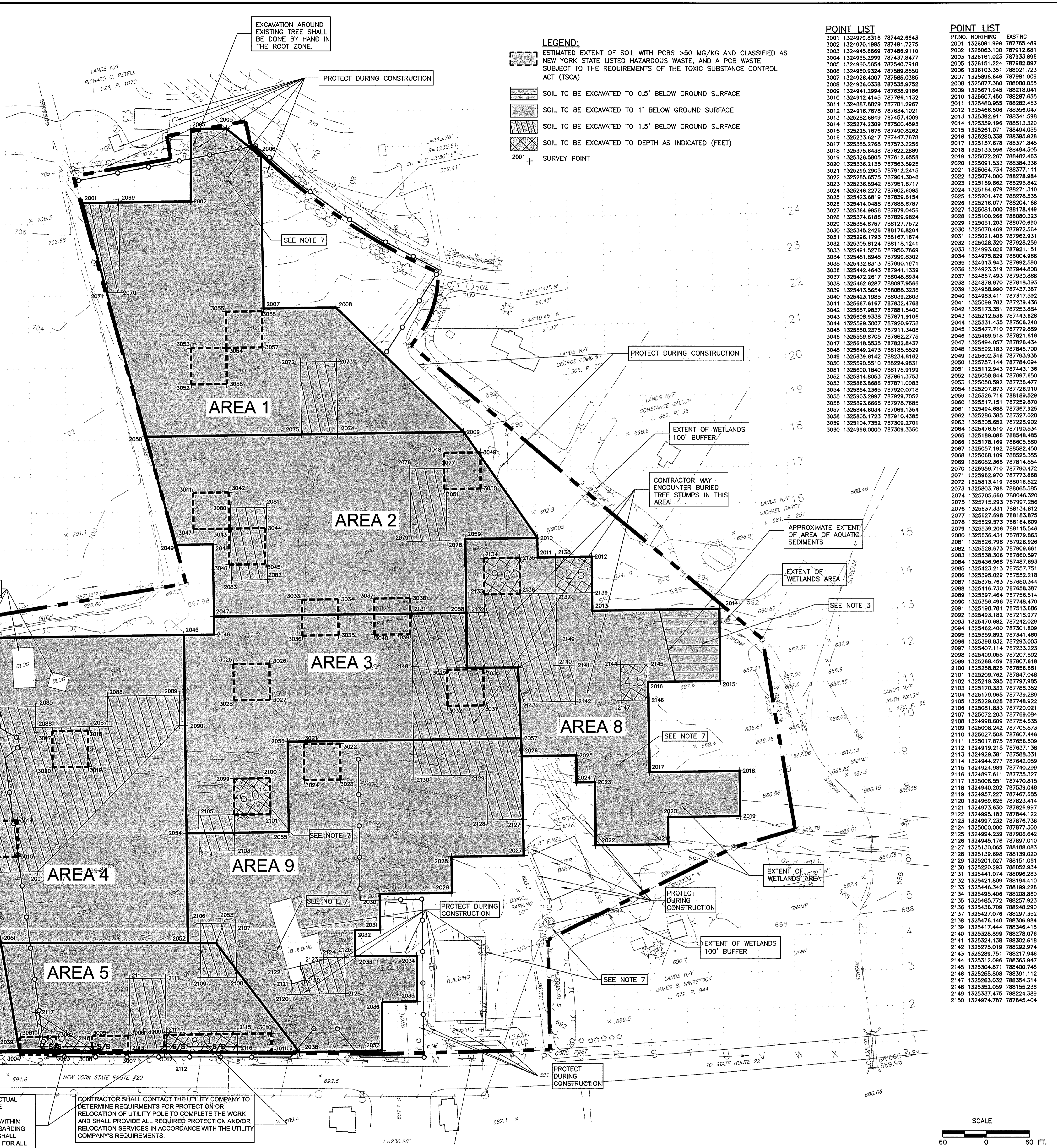
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LEGEND: ESTIMATED EXTENT OF SOIL WITH PCBs >50 MG/KG AND CLASSIFIED AS NEW YORK STATE LISTED HAZARDOUS WASTE, AND A PCB WASTE, SUBJECT TO THE REQUIREMENTS OF THE TOXIC SUBSTANCE CONTROL ACT (TSCA). SOIL TO BE EXCAVATED TO 0.5' BELOW GROUND SURFACE. SOIL TO BE EXCAVATED TO 1' BELOW GROUND SURFACE. SOIL TO BE EXCAVATED TO 1.5' BELOW GROUND SURFACE. SOIL TO BE EXCAVATED TO DEPTH AS INDICATED (FEET). SURVEY POINT.

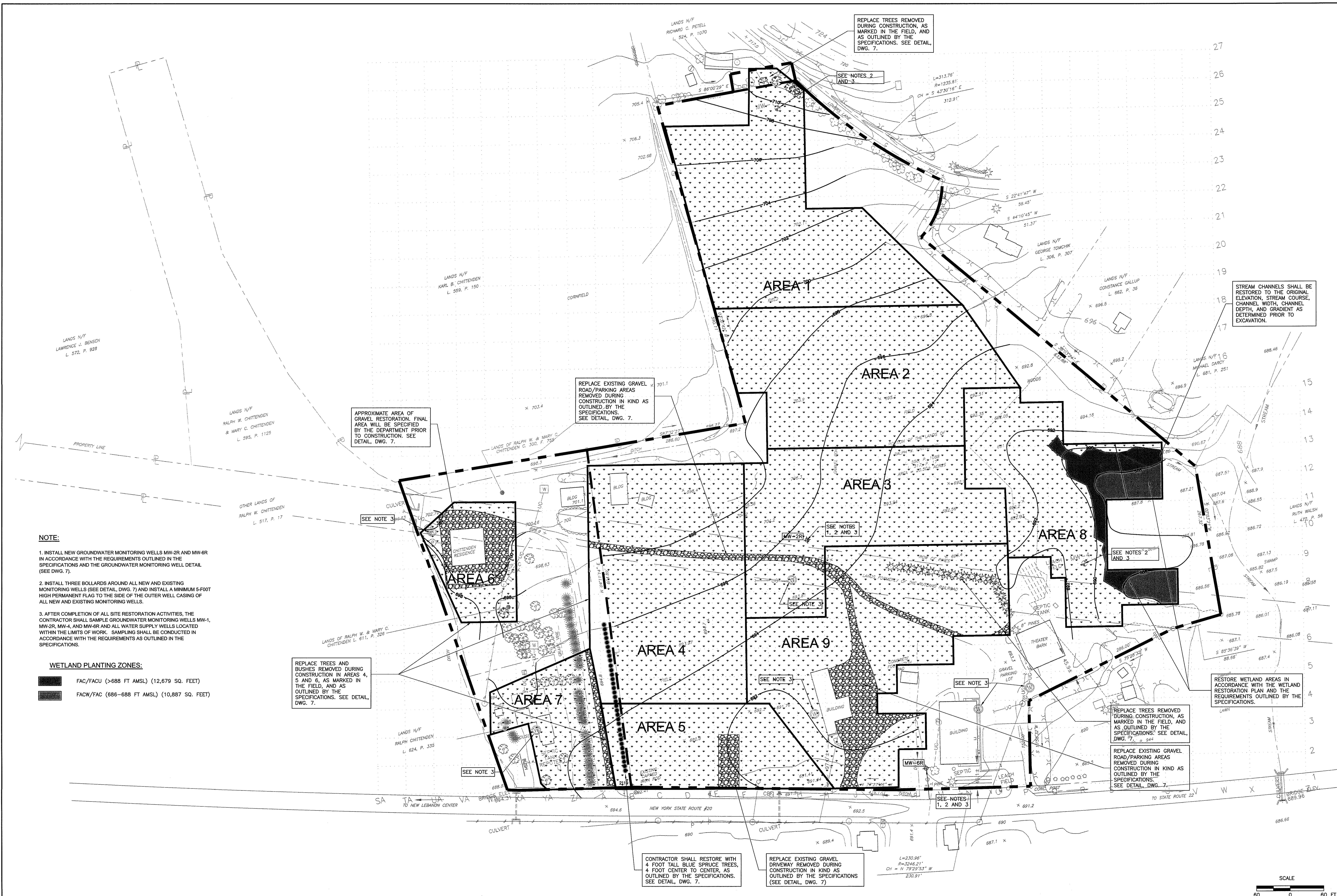
POINT LIST: Table with columns for POINT NO., NORTHING, and EASTING. Lists survey points 3001 through 3060 with their respective coordinates.

Revision table with columns for NO., DATE, REVISION, and INT. Includes the Professional Engineer seal for Dvirka and Bartilucci.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. Project information for MRD/PSM and LGV, designed by MRD/PSM and checked by FD/MBV. Logo for Dvirka and Bartilucci Consulting Engineers.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION. COLUMBIA COUNTY. NEW YORK. REMEDIAL CONSTRUCTION CONTRACT NO. D006282.

EXCAVATION PLAN. PROJECT NO. 2596. DATE: JANUARY 2008. SCALE: 1"=60'. Drawing number 4.



NOTE:

1. INSTALL NEW GROUNDWATER MONITORING WELLS MW-2R AND MW-6R IN ACCORDANCE WITH THE REQUIREMENTS OUTLINED IN THE SPECIFICATIONS AND THE GROUNDWATER MONITORING WELL DETAIL (SEE DWG. 7).
2. INSTALL THREE BOLLARDS AROUND ALL NEW AND EXISTING MONITORING WELLS (SEE DETAIL, DWG. 7) AND INSTALL A MINIMUM 5-FOOT HIGH PERMANENT FLAG TO THE SIDE OF THE OUTER WELL CASING OF ALL NEW AND EXISTING MONITORING WELLS.
3. AFTER COMPLETION OF ALL SITE RESTORATION ACTIVITIES, THE CONTRACTOR SHALL SAMPLE GROUNDWATER MONITORING WELLS MW-1, MW-2R, MW-4, AND MW-6R AND ALL WATER SUPPLY WELLS LOCATED WITHIN THE LIMITS OF WORK. SAMPLING SHALL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS AS OUTLINED IN THE SPECIFICATIONS.

WETLAND PLANTING ZONES:

- FAC/FACU (>688 FT AMSL) (12,679 SQ. FEET)
- FACW/FAC (686-688 FT AMSL) (10,887 SQ. FEET)

REPLACE TREES AND BUSHES REMOVED DURING CONSTRUCTION IN AREAS 4, 5 AND 6, AS MARKED IN THE FIELD, AND AS OUTLINED BY THE SPECIFICATIONS. SEE DETAIL, DWG. 7.

REPLACE EXISTING GRAVEL ROAD/PARKING AREAS REMOVED DURING CONSTRUCTION IN KIND AS OUTLINED BY THE SPECIFICATIONS. SEE DETAIL, DWG. 7.

REPLACE TREES REMOVED DURING CONSTRUCTION, AS MARKED IN THE FIELD, AND AS OUTLINED BY THE SPECIFICATIONS. SEE DETAIL, DWG. 7.

STREAM CHANNELS SHALL BE RESTORED TO THE ORIGINAL ELEVATION, STREAM COURSE, CHANNEL WIDTH, CHANNEL DEPTH, AND GRADIENT AS DETERMINED PRIOR TO EXCAVATION.

SEE NOTES 2 AND 3

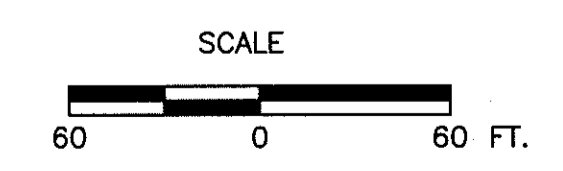
RESTORE WETLAND AREAS IN ACCORDANCE WITH THE WETLAND RESTORATION PLAN AND THE REQUIREMENTS OUTLINED BY THE SPECIFICATIONS.

REPLACE TREES REMOVED DURING CONSTRUCTION, AS MARKED IN THE FIELD, AND AS OUTLINED BY THE SPECIFICATIONS. SEE DETAIL, DWG. 7.

REPLACE EXISTING GRAVEL ROAD/PARKING AREAS REMOVED DURING CONSTRUCTION IN KIND AS OUTLINED BY THE SPECIFICATIONS. SEE DETAIL, DWG. 7.

CONTRACTOR SHALL RESTORE WITH 4 FOOT TALL BLUE SPRUCE TREES, 4 FOOT CENTER TO CENTER, AS OUTLINED BY THE SPECIFICATIONS. SEE DETAIL, DWG. 7.

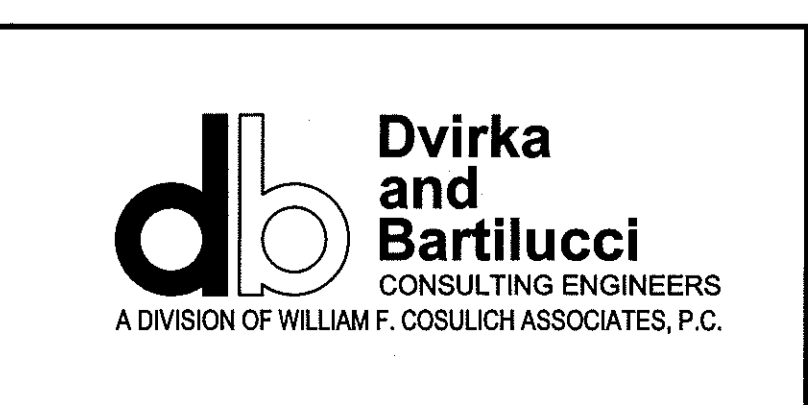
REPLACE EXISTING GRAVEL DRIVEWAY REMOVED DURING CONSTRUCTION IN KIND AS OUTLINED BY THE SPECIFICATIONS (SEE DETAIL, DWG. 7)



NO.	DATE	REVISION	INT.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.

PROJECT ENGINEER: MRD/PSM
 DRAWN BY: LVG
 DESIGNED BY: MRD/PSM
 CHECKED BY: FDB/MV



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORMER BOUCHARD JUNKYARD

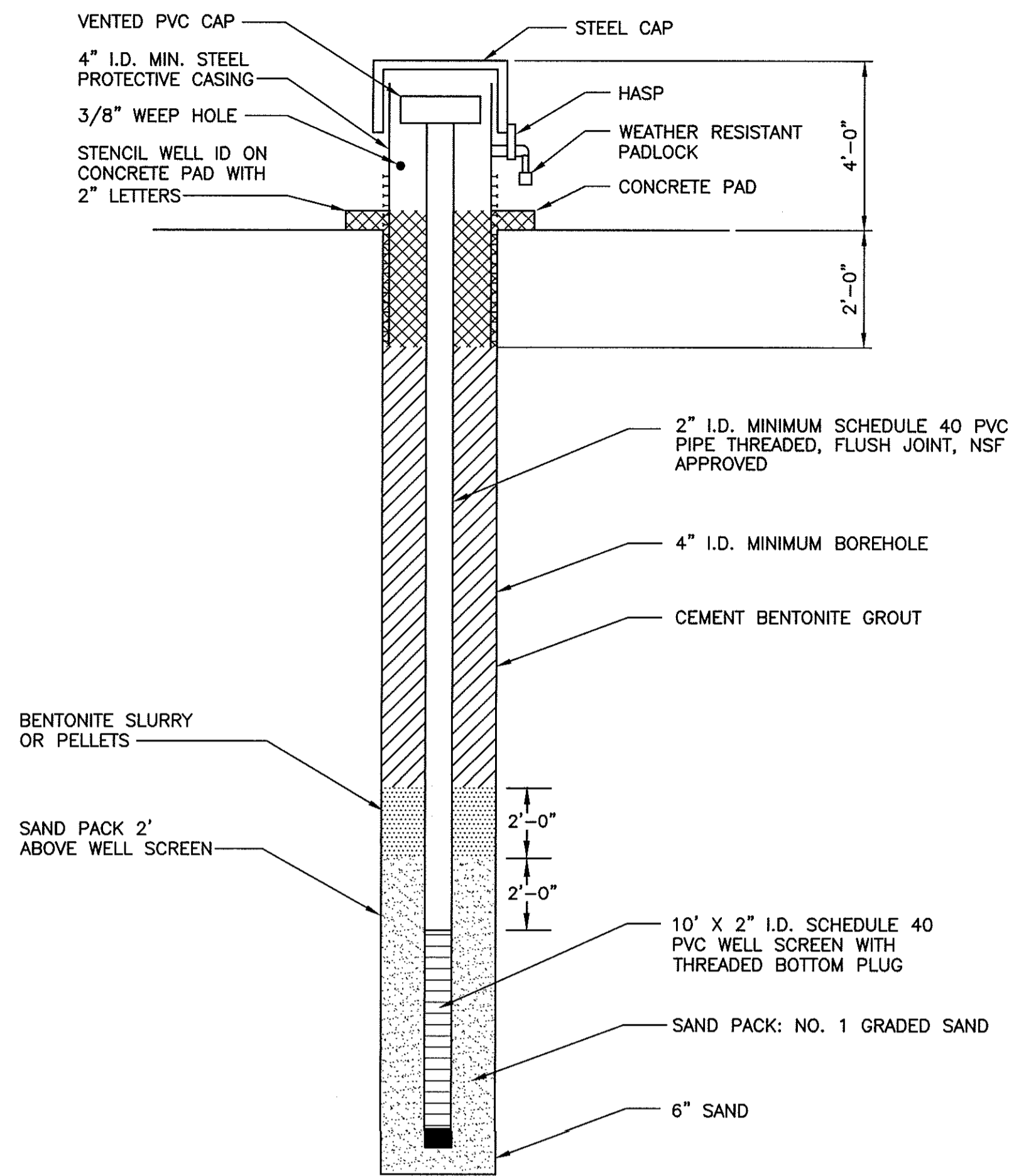
COLUMBIA COUNTY NEW YORK

REMEDIAL CONSTRUCTION
CONTRACT NO. D006282

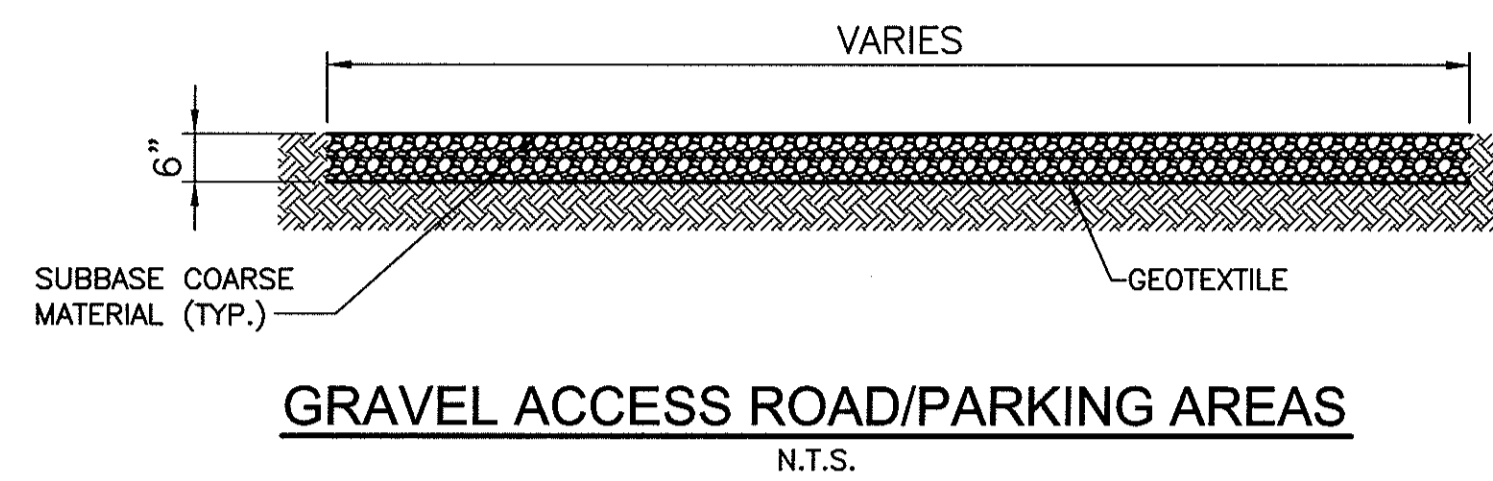
FINAL GRADING AND PLANTING PLAN

PROJECT NO. 2596
 DATE: JANUARY 2008
 SCALE: 1"=60'

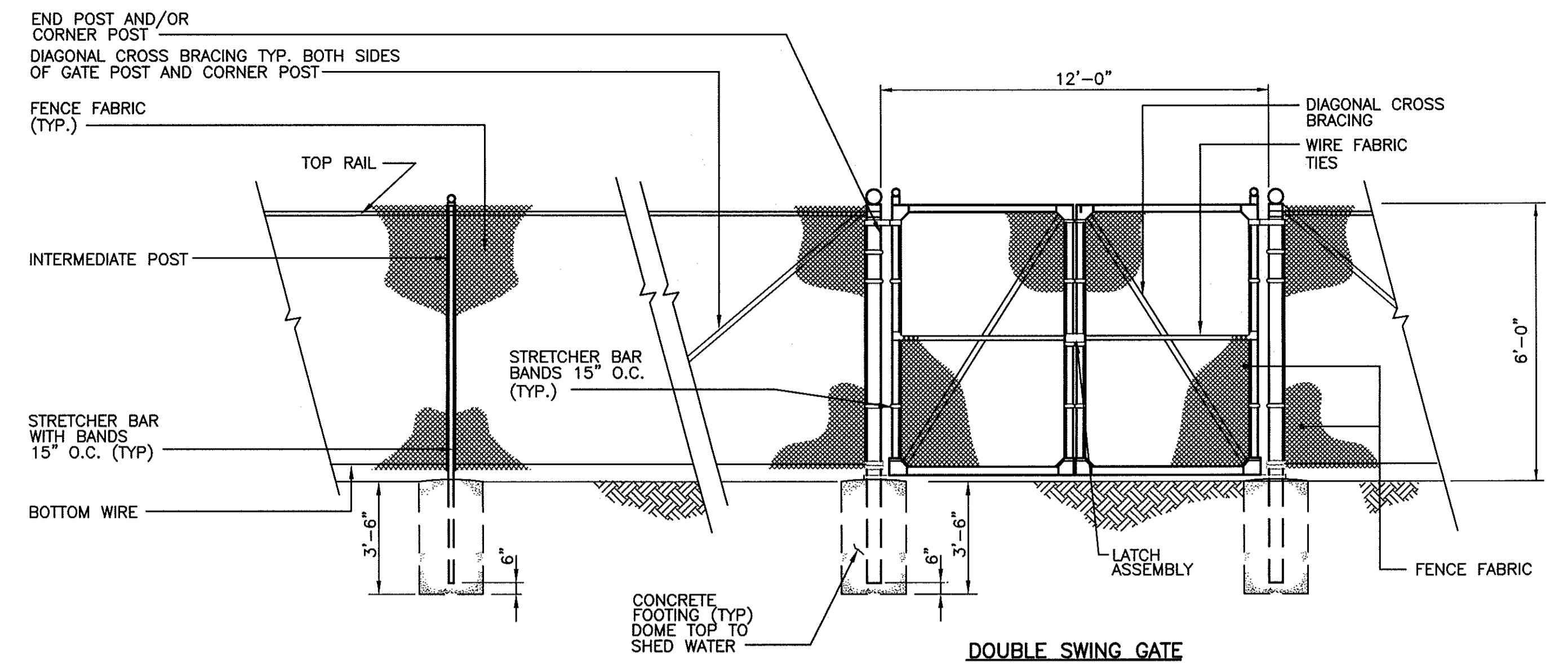
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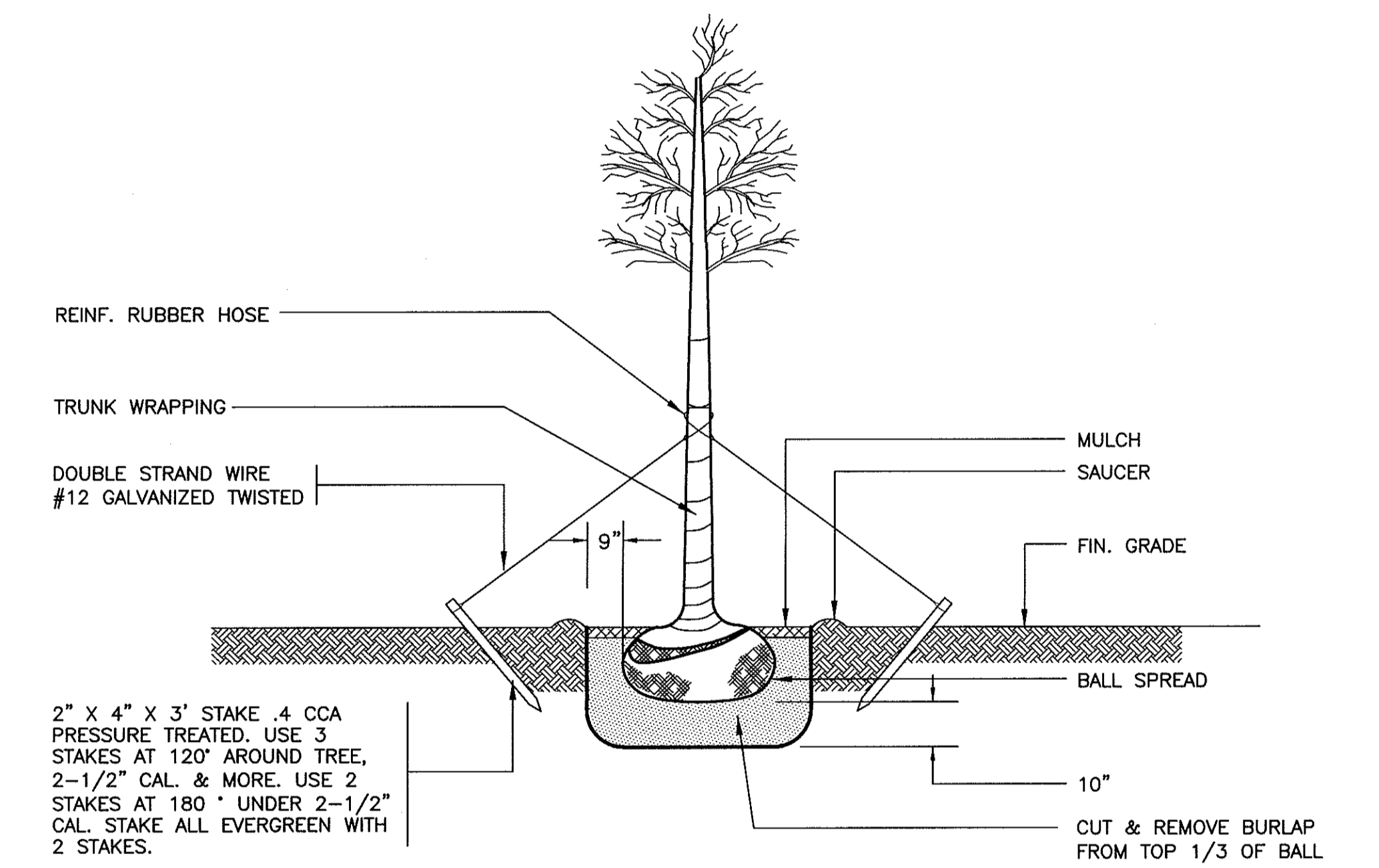
PLAN FOR CONSTRUCTION OF PERMANENT MONITORING WELLS
N.T.S.



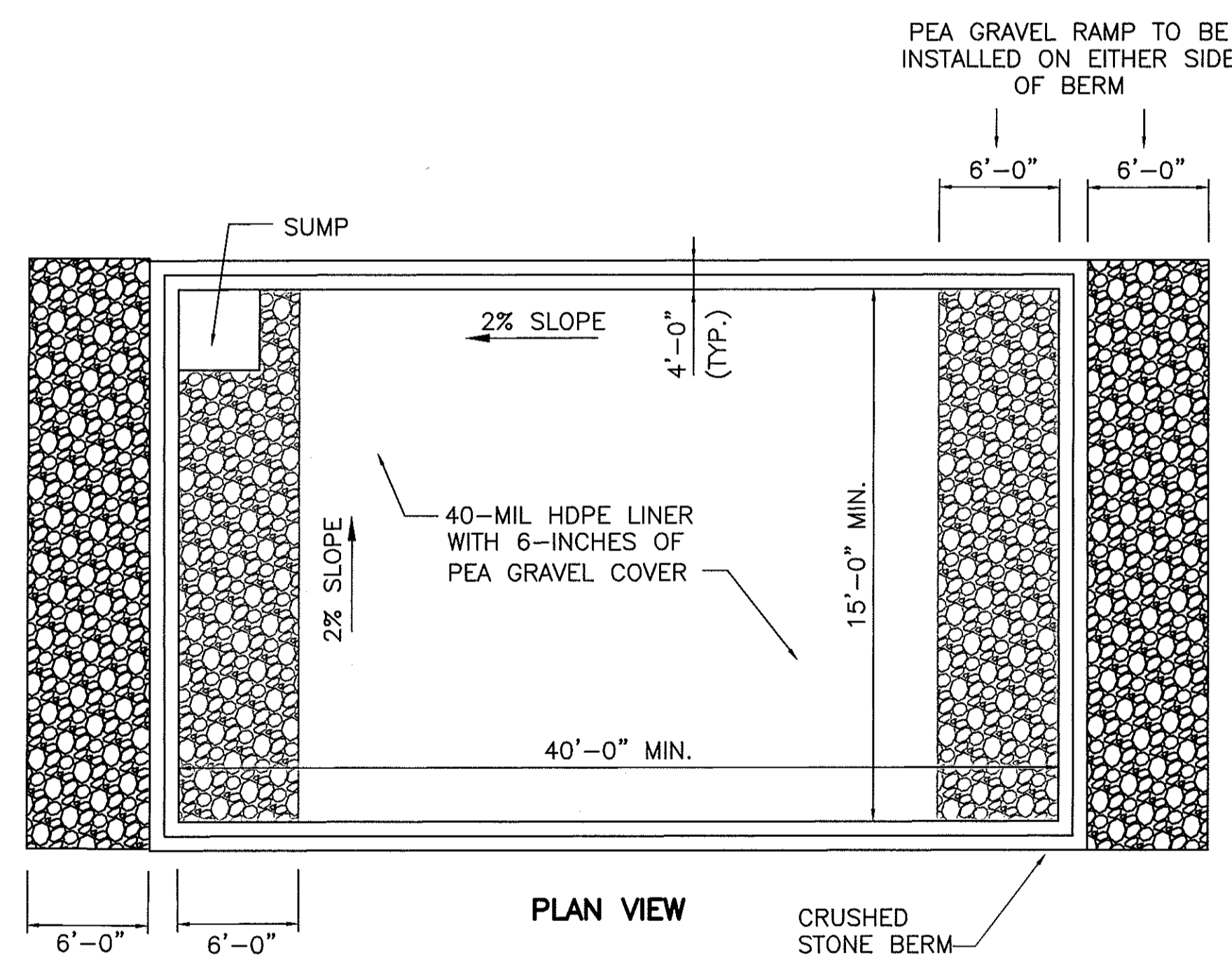
GRAVEL ACCESS ROAD/PARKING AREAS
N.T.S.



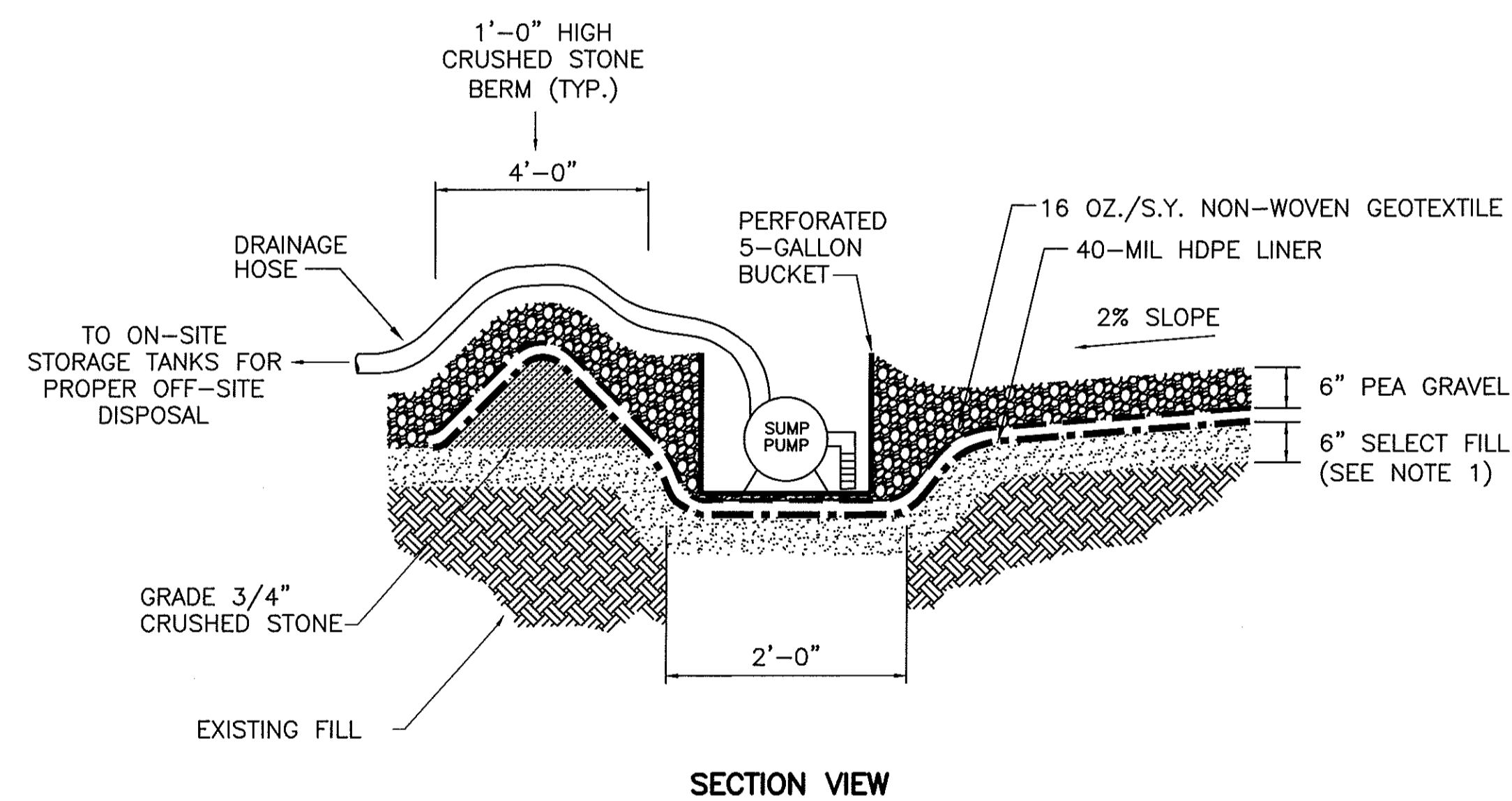
6'-0" HIGH FENCE AND GATE DETAILS
N.T.S.



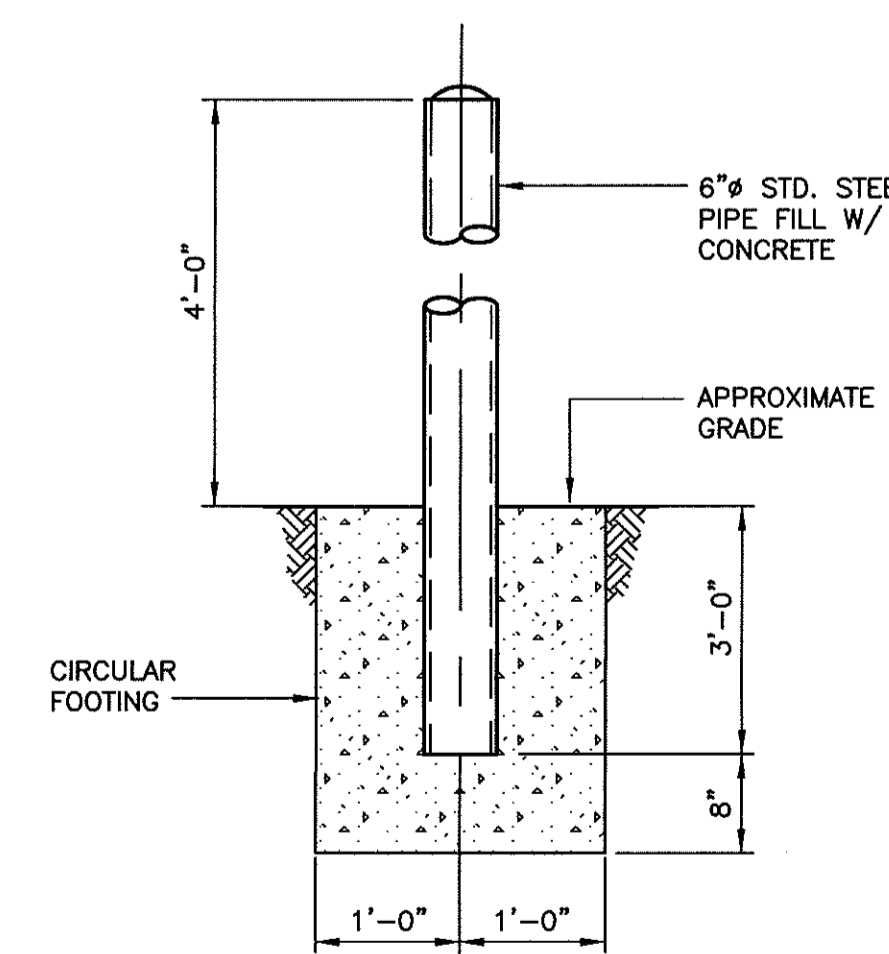
TREE PLANTING DETAIL
N.T.S.



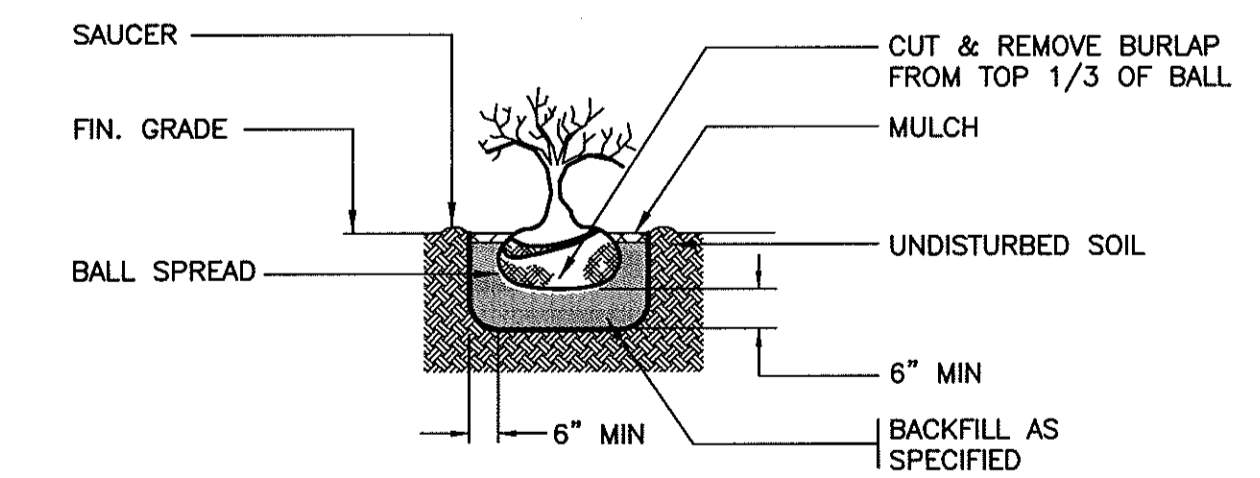
EQUIPMENT DECONTAMINATION AREA DETAIL
N.T.S.



SECTION VIEW



BOLLARD DETAIL
N.T.S.

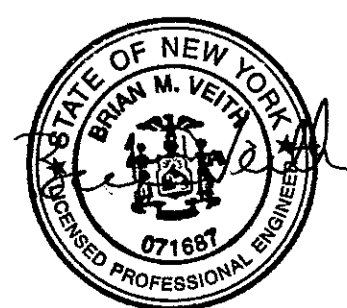


SHRUB PLANTING DETAIL
N.T.S.

NOTES:

1. SELECT FILL SHALL CONSIST OF CONCRETE SAND CONFORMING TO THE REQUIREMENTS OF SECTION 703-07 OF THE NYSDOT STANDARD SPECIFICATIONS.
2. UPON COMPLETION OF CONSTRUCTION ACTIVITIES, THE MATERIALS USED FOR THE EQUIPMENT DECONTAMINATION AREA SHALL BE REMOVED, TRANSPORTED AND DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
3. UPON COMPLETION OF CONSTRUCTION ACTIVITIES, CONTRACTOR SHALL RESTORE AREA IN-KIND TO THE LINES, GRADES AND DIMENSIONS OF THE EXISTING CONDITIONS (AS THEY EXISTED PRIOR TO INSTALLATION OF THE EQUIPMENT DECONTAMINATION AREA).

NO.	DATE	REVISION	INT.



UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORMER BOUCHARD JUNKYARD
NEW YORK

COLUMBIA COUNTY

REMEDIAL CONSTRUCTION
CONTRACT NO. D006282

MISCELLANEOUS SITE DETAILS

PROJECT NO. 2596
DATE: JANUARY 2008
SCALE: N.T.S.

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