

MEMORANDUM

DATE: September 13, 2023 TO: Carrier Clinic FROM: Steven Finch SUBJECT: Wetland Delineation Summary

Message

Dewberry Engineers Inc. (Dewberry) wetland biologists conducted a wetland investigation on April 25, 2023 at the Hackensack Meridian Health Carrier Clinic located at 252 County Route 601, Belle Mead Township of Montgomery, Somerset County, New Jersey. The wetland investigation was conducted to verify known wetland features associated with the property based on a wetland survey conducted by others in 2013 and to delineate potential additional wetlands/state open waters that may be present within the property. Based on our site inspection, it is the opinion of this office that the limits of the regulated wetland areas onsite are generally consistent with the former Wetlands Plan, which shows the regulated areas primary limited to the northeast portion of the site.

The April 2023 investigation identified one large herbaceous wetland complex in the northeast portion of the property that was identified by others. The wetland complex is similar in shape; however, additional wetlands were found that extend to the south between the eastern parking lot and the eastern property line (see attached delineation survey and associated data sheets). The wetland complex was identified as the only natural feature within the property. The property also consists of several stormwater drainage basins and drainage swales around the perimeter of the property.

The onsite wetland complex is anticipated to have an associated 50-foot wetland transition area. The regulated areas associated with the drainage basins are anticipated to have no wetland transition areas. The drainage swales along the property's perimeter (except in the northeast property corner) do not meet the regulated definitions of State Open Waters and do not consist of vegetation supporting hydrophytic vegetation. The drainage swales are in upland areas actively maintained by mowing and other related maintenance activities (i.e. riprap lined in areas) to ensure surface water conveyance during storm events. Based on the New Jersey Department of Environmental Protection (NJDEP) GeoWeb and the Township of Montgomery 2007 Critical Areas Map, additional wetlands are also located on the opposite side of Belle Mead – Blawenburg Road. Since a federally-listed species (*Myotis septentrionalis*) is associated with those wetlands, it is anticipated that the wetlands will have a 150-foot wetland transition area.

Wetlands, drainage basins (that exhibit hydrophytic vegetation) and drainage swales in the northeast portion of the site, are anticipated to be jurisdictional to the NJDEP. The grass/stone lined ditch along East Mountain Road and Belle Mead-Blawenburg Road were not identified on the former wetlands plan and based on our site visit, are not within the jurisdiction of the NJDEP.

Based on the proposed scope of improvements, the proposed activities are located more than 150-feet away from wetlands onsite located at the northeastern corner of the site and from the off-site wetland areas. The anticipated wetland transition area from the offsite wetlands areas are shown on design plans and it shows the proposed disturbance limit will be outside the offsite NJDEP regulated areas.

Based on above, it is Dewberry's opinion that the proposed activities are outside of NJDEP jurisdictional areas and further coordination from NJDEP is not required. This conclusion is derived based on the current limits of the proposed activities are greater than 150 feet from the closest offsite wetland feature and will not disturb onsite regulated areas.

Any activities that may encroach within a wetland transition area and/or potentially impact (either temporary and/or permanently) the onsite wetland, drainage basins, jurisdictional drainage swales would be subject to NJDEP Freshwater Wetland Regulations.

Attachments

- Attachment A Wetland Data Sheets
- Attachment B Wetland Delineation Survey (updated Survey)
- Attachment C Photographs
- Attachment D Approved Wetlands Plan



ROUTINE METHOD WETLAND DATA FORM*

Investigators: Steve Finch, Danielle S	Smith	Date: 04/25/2023	
Site Name: Carrier Clinic	Twp: Montgomery	County: Somerset	
Applicant:	Sample:	Transect:	
Latitude: 40.468779	Longitude: -74.681194	Format: NAD 83	
Site Conditions: Former Ag. Field	Weather: 65 F, Sunny		

1	Stratum	% Cover
FACW	Herb	75
FACW	Herb	20
FACW	Herb	5
OBL	Herb	<1
FACU	Vine	<1
	FACW FACW OBL FACU	FACWHerbFACWHerbOBLHerb

Soils

Series: Reh loam 0-2 perce	A – Reaville silt ent slopes	Hydric Soil List: None His		Histic: No	
Profile: Alt		Alteration: n/a			
Horizon	Depth	Chroma	Mottles	1	Fexture
А	0-8	10YR 3/2 (100%)	None	5	Silty clay loam
В	8-20+	10YR 6/1 (60%)	10YR 4/6 (40%	b) (Clay
С					
Results: S	oils have a depl	eted matrix with conce	entrations of Iron	rendering th	nem hydric.

Hydrology					
Surface inundation : None Saturation Depth: None Evidence: Reducing conditions					
Wetland classification: PEM	etland classification: PEM Hydrology type:				
Results:					

Wetland Determination					
Yes X No					

* Note: Pursuant to NJAC 7:7-1.1 et seq, this data form comports with the requirements set forth in the 1989 Federal Manual for Identifying and Delineating Jurisdictional Wetlands.

ROUTINE METHOD WETLAND DATA FORM*

Investigators: Steve Finch, Danielle Smith		Date: 04/25/2023	
Site Name: Carrier Clinic	Twp: Montgomery	County: Somerset	
Applicant:	Sample:	Transect:	
Latitude: 595,138	Longitude: 440,997	Format: NAD 83	
Site Conditions: Typical	Weather: 65 °F, Sunny		

Dominant Vegetation				
Species	Status	Stratum	% Cover	
Misc. grasses (<i>Poa</i> spp.)	NI	Herb	60	
Field mustard (<i>Brassica rapa</i>)	UPL	Herb	30	
Field thistle (Cirsium discolor)	UPL	Herb	20	
Goldenrod (Solidago spp.)	NI	Herb	10	
Corn speedwell (Veronica arvensis)	FACU	Herb	5	
Wild onion (Allium canadense)	FACU	Herb	<5	
Milkweed (<i>Asclepias</i> spp.)	NI	Herb	<5	
Sink foil (Potentilla arguta)	NI	Herb	<5	
Multifloral rose (Rosa multiflora)	FACU	Shrub	<5	
Results: Vegetation does not support a wetlan	d determination (<5	0% wetland sp	ecies).	

Series:		Hydric Soil List: None		Histic: No
Profile: Alt		Alteration: n/a		
Horizon	Depth	Chroma	Mottles	Texture
А	0-14	7.5YR 3/4	None	Silty clay
В	14-20+	7.5YR 6/3 (50%)	5YR 4/6 (30%)	Clay
			10YR 5/8 (20%)
Results: S	oils are not inc	dicative of being hydric.	1	

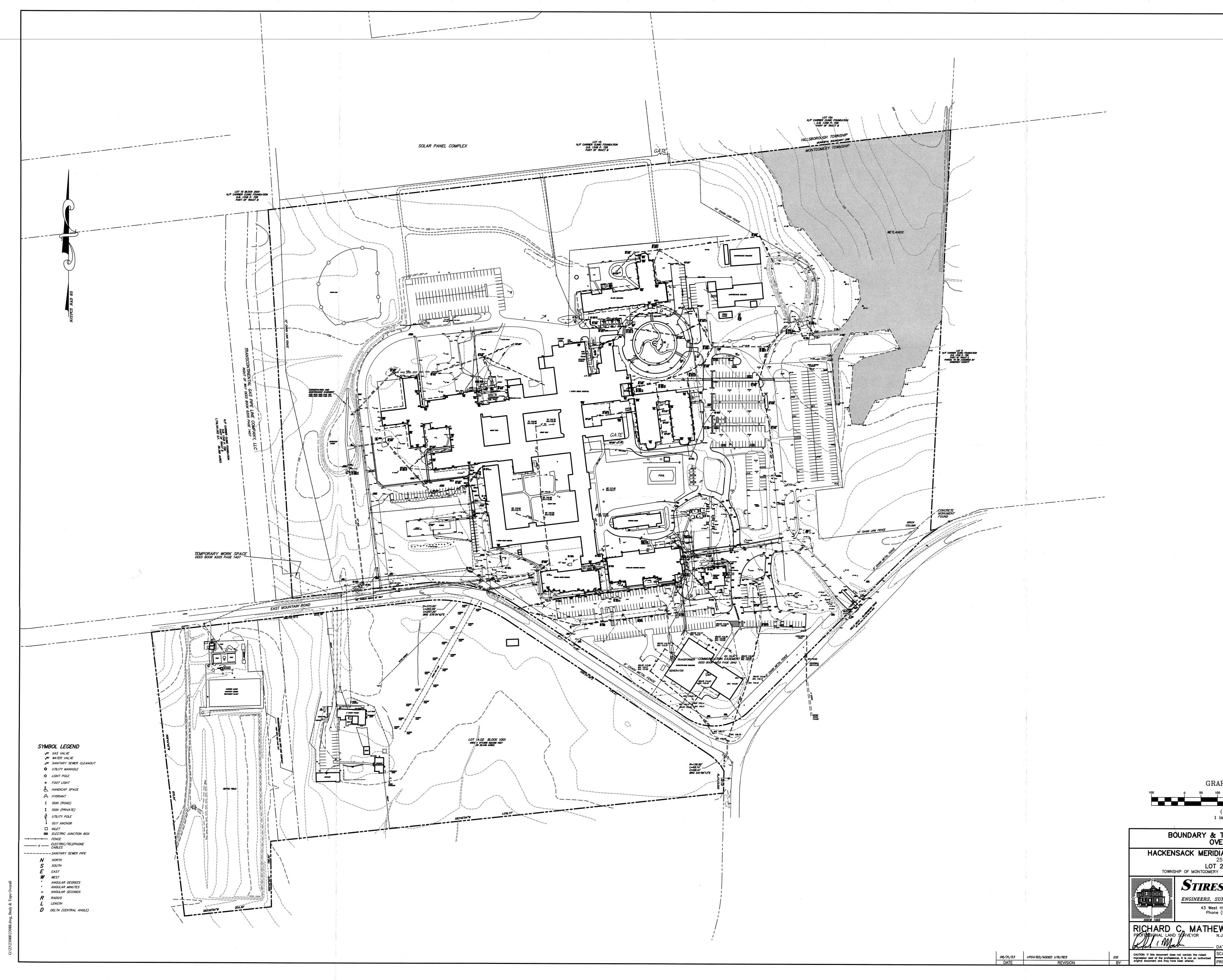
Hydrology					
Surface inundation : None Saturation Depth: None Evidence: None					
Wetland classification:		Hydrology type:			
Results: Wetland hydrology was not present at this location.					

Wetland Determination				
Yes No X				

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* Note: Pursuant to NJAC 7:7-1.1 et seq, this data form comports with the requirements set forth in the 1989 Federal Manual for Identifying and Delineating Jurisdictional Wetlands.





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(IN FEET)		400	
inch = 100 ft. TOPOGRAPHIC SU ERALL SITE	URVEY		
IAN HEALTH CAR 52 ROUTE 601 2 BLOCK 2001 SOMERSET COUNTY		INIC	
SASSOCIA	TES, I		
High Street, Somerville, New (908) 725-0230 Fax (908	Jersey 08876 3) 707–0831 DESIGNED BY:	}	
WS I.J. LICENSE No. 29353	DRAWN BY:		

HACKENSACK MERIDIAN HEALTH CARRIER CLINIC MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY WETLAND DELINEATION PHOTOLOG

Dewberry



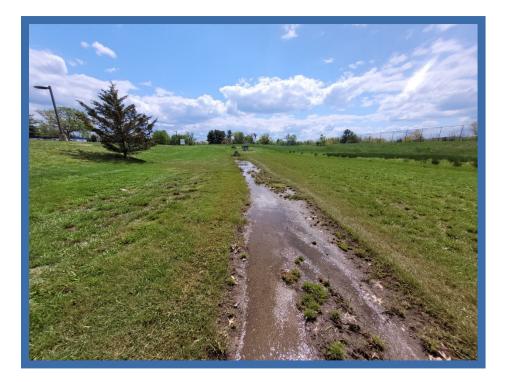
Photograph 1: View of the herbaceous wetland complex located at the northeastern portion of the property.



Photograph 2: View of the upland area adjacent to the wetland.

HACKENSACK MERIDIAN HEALTH CARRIER CLINIC MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY WETLAND DELINEATION PHOTOLOG

Dewberry



Photograph 3: View of a drainage feature along the western perimeter of the property.



Photograph 4: View of a drainage feature along E Mountain Road at the southern perimeter of the property.



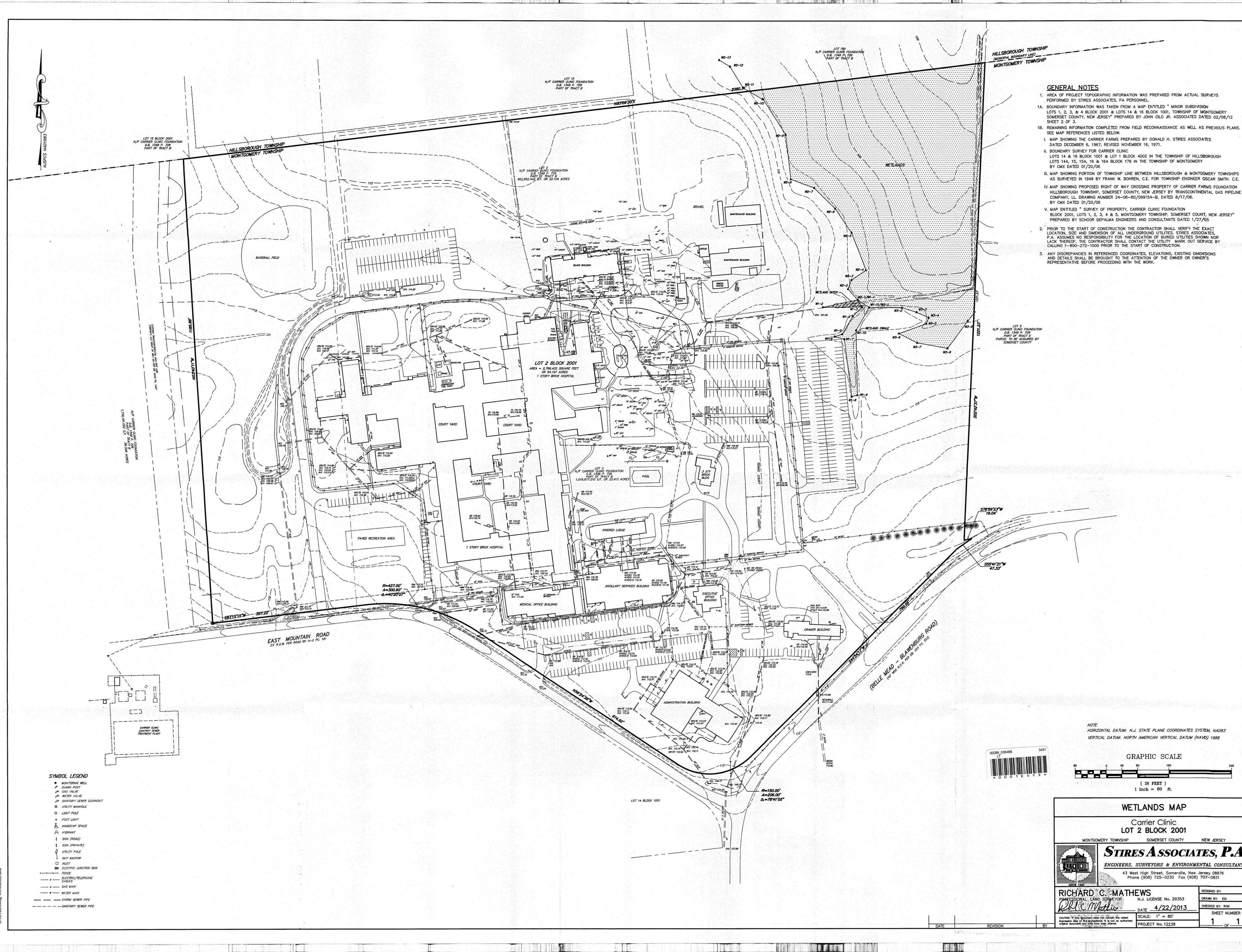
HACKENSACK MERIDIAN HEALTH CARRIER CLINIC MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NEW JERSEY WETLAND DELINEATION PHOTOLOG

Dewberry



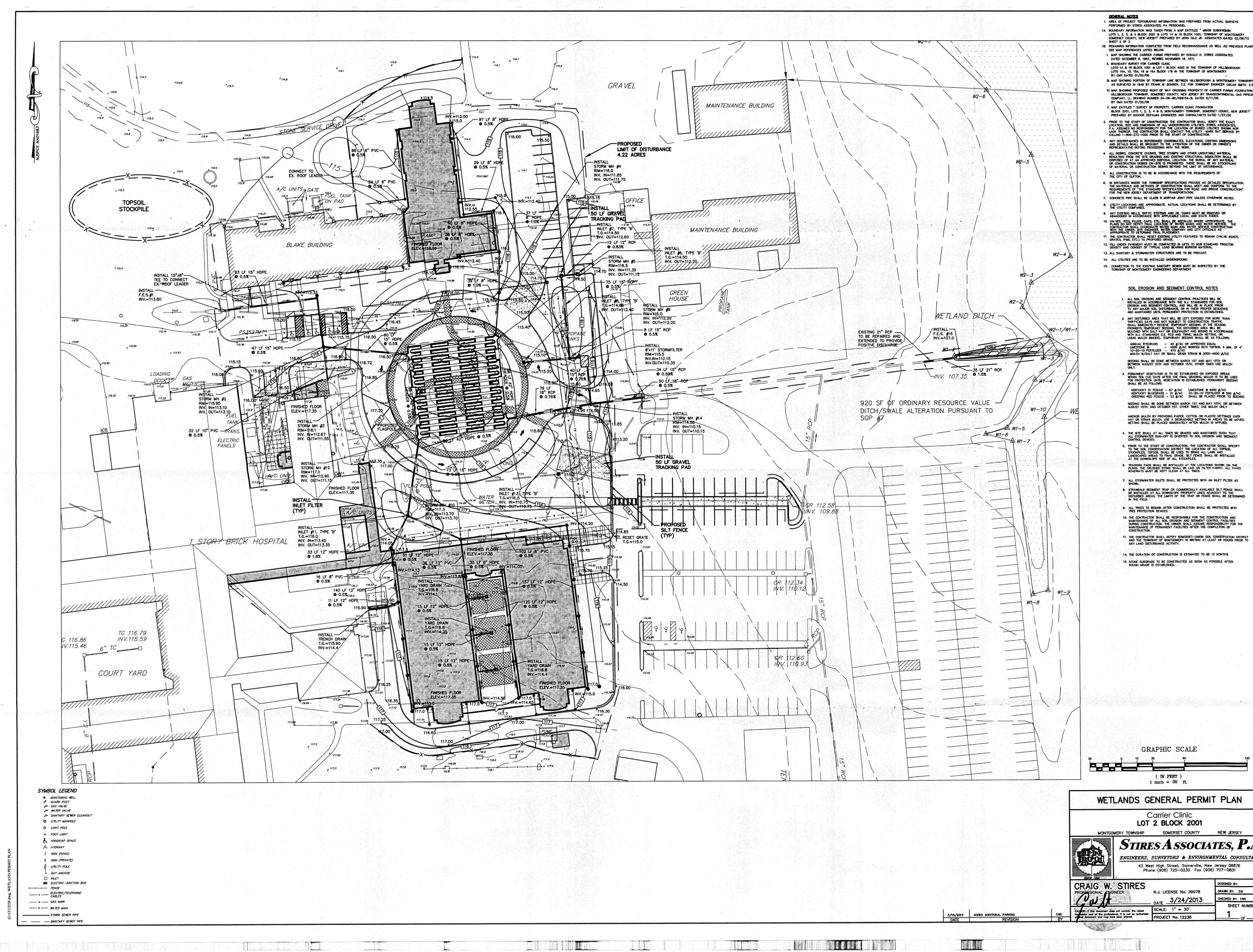
Photograph 5: View of drainage feature at the southeastern corner of the property.





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ERICAN VERTICAL DATUM (N	'AVD) 1988
HIC SCALE	240
IN FEET) ch = 80 ft.	
ANDS MAP	
rier Clinic BLOCK 2001	
SOMERSET COUNTY	NEW JERSEY
A SSOCIAT	· · · · · · · · · · · · · · · · · · ·
gh Street, Somerville, New 908) 725-0230 Fax (908)	
/S	DESIGNED BY:
LICENSE No. 29353	DRAWN BY: EGI
4/22/2013	CHECKED BY: RCM
ALE: $1'' = 80'$	SHEET NUMBER
DJECT No. 12238	OF



I. AREA OF PROJECT TOPOGRAPHIC INFORMATION WAS PREPARED FROM ACTUAL SURVEYS 1A. BOUNDARY INFORMATION WAS TAKEN FROM A MAP ENTITLED " MINOR SUBDIVISION LOTS 1, 2, 3, & 4 BLOCK 2001 & LOTS 14 & 16 BLOCK 1001, TOWNSHIP OF MONTGOMERY SOMERSET COUNTY, NEW JERSEY" PREPARED BY JOHN CILO JR. ASSOCIATES DATED 02/08/12 SHEET 2 OF 3. 1B. REMAINING INFORMATION COMPLETED FROM FIELD RECONNAISSANCE AS WELL AS PREVIOUS PLANS. I. MAP SHOWING THE CARRIER FARMS PREPARED BY DONALD H. STIRES ASSOCIATES

LOTS 14 & 16 BLOCK 1001 & LOT 1 BLOCK 4002 IN THE TOWNSHIP OF HILLSBOROUGH LOTS 14A, 15, 15A, 16 & 16A BLOCK 176 IN THE TOWNSHIP OF MONTGOMERY III. MAP SHOWING PORTION OF TOWNSHIP LINE BETWEEN HILLSBOROUGH & MONTGOMERY TOWNSHIPS AS SURVEYED IN 1949 BY FRANK W. BOHREN, C.E. FOR TOWNSHIP ENGINEER OSCAR SMITH. C.E. IV. MAP SHOWING PROPOSED RIGHT OF WAY CROSSING PROPERTY OF CARRIER FARMS FOUNDATION HILLSBOROUGH TOWNSHIP, SOMERSET COUNTY, NEW JERSEY BY TRANSCONTINENTAL GAS PIPELINE COMPANY, LL DRAWING NUMBER 24-06-80/099154-B, DATED 8/17/06. BY CMX DATED 01/20/06

PREPARED BY SCHOOR DEPALMA ENGINEERS AND CONSULTANTS DATED 1/27/05 2. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, SIZE AND DIMENSION OF ALL UNDERGROUND UTILITIES. STIRES ASSOCIATES, P.A. ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF BURIED UTILITIES SHOWN NOR LACK THEREOF. THE CONTRACTOR SHALL CONTACT THE UTILITY MARK OUT SERVICE BY CALLING 1-800-272-1000 PRIOR TO THE START OF CONSTRUCTION.

4. ALL DEBRIS, CONCRETE CHUNKS, TREE STUMPS AND OTHER UNSUITABLE MATERIAL RESULTING FROM THE SITE GRADING AND EXISTING STRUCTURAL DEMOLITION SHALL BE DISPOSED OF AT AN APPROVED DISPOSAL LOCATION. THE BURIAL OF ANY MATERIAL OR CONSTRUCTION DEBRIS ON-SITE IS PROHIBITED. THERE SHALL BE NO STOCKPILING OF MATERIAL OR CONSTRUCTION DEBRIS BEYOND THE LIMIT OF DISTURBANCE.

6. IN INSTANCES WHERE THE TOWNSHIP SPECIFICATIONS PROVIDE NO DETAILED SPECIFICATION, THE MATERIALS AND METHODS OF CONSTRUCTION SHALL MEET AND CONFORM TO THE REQUIREMENTS OF "THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION" FOR THE NEW JERSEY DEPARTMENT OF TRANSPORTATION. 7. CONCRETE PIPE SHALL BE CLASS III MORTAR JOINT PIPE UNLESS OTHERWISE NOTED.

9. ANY EXISTING WELLS, SEPTIC SYSTEMS AND OIL TANKS MUST BE REMOVED OR ABANDONED IN ACCORDANCE WITH APPLICABLE LOCAL AND STATE CODES. 10. VALVES, TEES, PLUGS, CAPS, ETC. SHALL BE INSTALLED WHERE APPROPRIATE, THE PLANS DO NOT DEPICT FINAL LOCATION OF WATER MAINS AND WATER SERVICE. THI CONTRACTOR SHALL COORDINATE WATER MAIN AND WATER SERVICE CONSTRUCTION WITH THE OWNER, SITE ENGINEER, WATER COMPANY AND CITY OFFICIALS AS APPROPRIATE TO DETERMINE FINAL PLACEMENT. 11. THE CONTRACTOR SHALL RESET EXISTING UTILITY FEATURES TO REMAIN (VALVE BOXES, GRATES, R'MS, ETC.) TO PROPOSED GRADE. 12. FILL UNDER PAVEMENT MUST BE COMPACTED IN LIFTS TO 95% STANDARD PROCTOR DENSITY AND CONSIST OF TYPICAL LOAD BEARING BORROW MATERIAL.

SOIL EROSION AND SEDIMENT CONTROL NOTES

ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE N.J. STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL, AND WILL BE IN PLACE PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED. ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY(30) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE TEMPORARY SEEDING. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREA WILL BE MULCHED WITH SALT HAY OR EQUIVALENT AND BOUND IN ACCORDANCE WITH N.J. STANDARDS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER). TEMPORARY SEEDING SHALL BE AS FOLLOWS: ANNUAL RYEGRASS - 40 #/AC OR APPROVED EQUAL LIMESTONE • - 4000 #/AC WORKED INTO TOPSOIL A MIN. OF 4" 10-20-10 FERTILIZER - 610 #/AC MULCH W/SALT HAY OR SMALL GRAIN STRAW • 3000-4000 #/AC SEEDING SHALL BE DONE BETWEEN MARCH 1ST AND MAY 15TH OR BETWEEN AUGUST 15TH AND OCTOBER 15TH. OTHER TIMES USE MULCH

KENTUCKY 31 FESCUE - 67 #/AC KENTUCKY BLUEGRASS - 21 #/AC CREEPING RED FESCUE - 23 #/AC SHALL BE PLACED PRIOR TO SEEDING SEEDING SHALL BE DONE BETWEEN MARCH 1ST AND MAY 15TH. OR BETWEEN AUGUST 15TH. AND OCTOBER 1ST. OTHER TIMES, USE MULCH ONLY

ANCHOR MULCH BY PROVIDING PAPER, COTTON OR PLASTIC NETTINGS OVER HAY OR STRAW MULCH. USE A DEGRADABLE NETTING IN AREAS TO BE MOVED. NETTING SHALL BE PLACED IMMEDIATELY AFTER MULCH IS APPLIED,

4. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUN-OFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL DEVICES. 5. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SPECIFY TO THE SOIL CONSERVATION DISTRICT THE LOCATION OF ALL TOPSOIL STOCKPILES. TOPSOIL SHALL BE USED TO BRING ALL LAWN AND LANDSCAPED AREAS TO FINAL GRADE. SILT FENCE SHALL BE INSTALLED AT THE DOWNSLOPE SIDE OF ALL STOCKPILES.

. TRACKING PADS SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON THE PLANS. THE CRUSHED STONE SHALL BE LAID ON FILTER FABRIC. ALL PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.

8. STRAWBALE SEDIMENT TRAP OR COMMERCIALLY AVAILABLE SILT FENCE SHALL BE INSTALLED AT ALL DOWNSLOPE PROPERTY LINES ADJACENT TO THE DISTURBED AREAS. THE LIMITS OF THE TRAP OR FENCE SHALL BE DETERMINED IN THE FIELD.

9. ALL TREES TO REMAIN AFTER CONSTRUCTION SHALL BE PROTECTED WITH TREE PROTECTION DEVICES. 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL SOIL EROSION AND SEDIMENT CONTROL FACILITIES DURING CONSTRUCTION. THE OWNER SHALL ASSUME RESPONSIBILITY FOR THE MAINTENANCE OF PERMANENT FACILITIES AFTER THE COMPLETION OF CONSTRUCTION.

11. THE CONTRACTOR SHALL NOTIFY SOMERSET-UNION SOIL CONSERVATION DISTRICT AND THE TOWNSHIP OF MONTGOMERY IN WRITING AT LEAST 48 HOURS PRIOR TO ANY LAND DISTURBANCE ACTIVITY.

14. THE DURATION OF CONSTRUCTION IS ESTIMATED TO BE 12 MONTHS 15. STONE SUBGRADE TO BE CONSTRUCTED AS SOON AS POSSIBLE AFTER ROUGH GRADE IS ESTABLISHED.

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NEW JERSEY
TES, P.A. INTAL CONSULTANTS Dersey 08876 707-0831
DESIGNED BY: DRAWN BY: EGI CHECKED BY: CWS SHEET NUMBER 1 OF 1