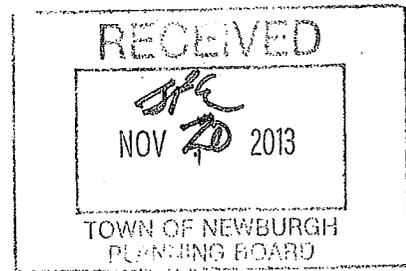
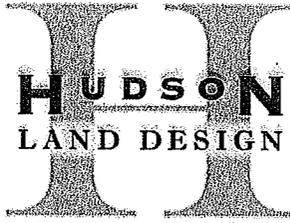


FILE COPY



*Civil & Environmental Engineering Consultants*  
174 Main Street, Beacon, New York 12508  
Phone: 845-440-6926 Fax: 845-440-6637  
[www.HudsonLandDesign.com](http://www.HudsonLandDesign.com)

---

November 19, 2013

Chairman Ewasutyn & Planning Board Members  
Town of Newburgh Planning Board  
308 Gardnertown Road  
Newburgh, NY 12550

Re: Rockwood Drive subdivision (Town Project #2011-19)  
Tax ID: 75-1-36.2

---

Dear Chairman Ewasutyn & Planning Board Members:

On behalf of the Applicant for the above referenced project, Hudson Land Design (HLD) has enclosed 10 copies of a revised plan set (three full sets and seven partial sets) with respect to comments received at the September 19, 2013 public hearing as well as outstanding comments from your consultants. The Applicant will also be forwarding under separate cover a check in the amount of \$800 to replenish the escrow account for the project. HLD offers the responses to each of the comments received:

**Comments from Patrick J. Hines in memo dated 8/15/13**

1. Previously addressed.
2. Previously addressed.
3. A City of Newburgh flow acceptance letter has been received.
4. Previously addressed.
5. No outlet control structure is proposed as part of the stormwater management system. Currently, the stormwater management pond has a direct connection to the catch basin located along the common property line with the adjacent Ethan Allen parking lot. During larger storm events, discharge to the existing 15" culvert beneath Chestnut Lane will occur via the proposed spillway on that side of the stormwater management pond.
6. Previously addressed.
7. Previously addressed.
8. Previously addressed.
9. Previously addressed.

**Comments from Bryant Cocks in memo dated 8/14/13**

1. Previously addressed.
2. Previously addressed.
3. Because the commercially zoned portion of the property no longer exists, the comments regarding landscaping no longer apply. However, it was noted at the public hearing that there were concerns regarding screening along the common property line with the adjacent apartment complex. We have added a note to the plans stating that existing trees in that area are to be preserved to the maximum extent possible. In addition, it is worth noting that no clearing will take place within the Central Hudson easement in that area, so that will remain a natural buffer to the adjacent apartment complex.
4. Previously addressed.
5. Previously addressed.
6. Previously addressed.

Should you have any questions or require additional information, please feel free to call me at 845-440-6926.

Sincerely,



Jon D. Bodendorf, P.E.  
Principal

cc: John Page, Jr.

<b>PROJECT INFORMATION:</b>	
PARCEL OWNER:	JPJR HOLDINGS, 1456 ROUTE 55, LAGRANGEVILLE, NY 12540
ENGINEER OF RECORD:	HUDSON LAND DESIGN P.C., 174 MAIN STREET, BEACON NY 12508
SURVEYOR OF RECORD:	THOMAS CERCHIARA, L.S., 176 MAIN STREET, BEACON NY 12508
PROJECT LOCATION:	NORTH PLANK ROAD (NYS RTE 52), CHESTNUT LANE AND ROCKWOOD DRIVE
TAX PARCEL ID:	75-1-36.2
PARCEL AREA:	±8.8-ACRE
ZONING DISTRICT:	R3 (RESIDENTIAL) ZONING DISTRICT
TOTAL PROPOSED LOTS:	ELEVEN
POTABLE WATER SUPPLY:	TOWN OF NEWBURGH WATER
SEWAGE DISPOSAL:	CITY OF NEWBURGH SEWER

# JPJR HOLDINGS, LLC

## MAJOR RESIDENTIAL SUBDIVISION

CHESTNUT LANE AND ROCKWOOD DRIVE  
TOWN OF NEWBURGH  
ORANGE COUNTY, NEW YORK

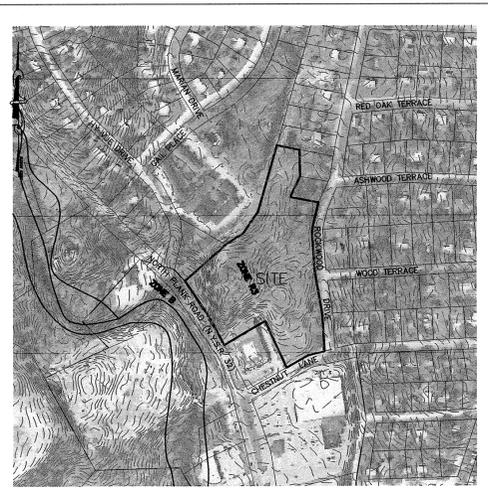
**PARCEL INFORMATION:**  
TAX ID: 75-1-36.2  
TOTAL LOT AREA: ±8.8 ACRES  
R3 ZONING DISTRICT

<b>SCHEDULE OF REGULATIONS (R3 RESIDENTIAL ZONING DISTRICT) AND LOT CONFORMANCE TABLE:</b>												
PARAMETER	REQUIREMENT	LOT #1	LOT #2	LOT #3	LOT #4	LOT #5	LOT #6	LOT #7	LOT #8	LOT #9	LOT #10	LOT #11
LOT AREA:	12,500 SQUARE FEET MIN	22,179 S.F.	16,274 S.F.	15,505 S.F.	30,553 S.F.	16,522 S.F.	17,423 S.F.	29,919 S.F.	46,618 S.F.	23,664 S.F.	39,499 S.F.	91,411 S.F.
LOT WIDTH:	85 FEET MINIMUM	133.5 FEET	108.5 FEET	98 FEET	133.3 FEET	110 FEET	100 FEET	154 FEET	250 FEET	135 FEET	205 FEET	313 FEET
LOT DEPTH:	100 FEET MINIMUM	111 FEET	150 FEET	150 FEET	167.1 FEET	150 FEET	144.5 FEET	151 FEET	133 FEET	128 FEET	104 FEET	230 FEET
YARD SETBACKS (RESIDENTIAL USE):												
FRONT YARD:	40 FEET MINIMUM	58.5 FEET	64.3 FEET	64.8 FEET	67.4 FEET	55 FEET	55 FEET	40 FEET	44.6 FEET	44.7 FEET	40 FEET	40 FEET
SIDE YARD:	15 FEET MINIMUM	30.9 FEET	20.9 FEET	17.4 FEET	28.4 FEET	19 FEET	15.5 FEET	45.5 FEET	52.3 FEET	29.4 FEET	64.3 FEET	95.7 FEET
BOTH SIDE YARDS:	30 FEET MINIMUM	83.5 FEET	58.4 FEET	53.1 FEET	86.3 FEET	60 FEET	64.6 FEET	109 FEET	199.6 FEET	99.1 FEET	164 FEET	300.9 FEET
REAR YARD:	40 FEET MINIMUM	40 FEET	55.7 FEET	55.2 FEET	76.9 FEET	65.2 FEET	62.5 FEET	81.4 FEET	80.6 FEET	53.3 FEET	65.4 FEET	168.2 FEET
BUILDING COVERAGE:	MAX 15%	4%	11%	11%	4.5%	12%	11%	3%	3.5%	6%	3.5%	1.5%
MAXIMUM BUILDING HEIGHT:	35 FEET	<35 FEET	<35 FEET	<35 FEET	<35 FEET	<35 FEET	<35 FEET	<35 FEET	<35 FEET	<35 FEET	<35 FEET	<35 FEET
LOT SURFACE COVERAGE:	30%	12%	21%	21%	23%	21%	19%	9%	10%	11%	18%	3%
HABITABLE FLOOR AREA:	900 SQUARE FEET	>900 S.F.										
BUILDABLE AREA:	3,750 SQUARE FEET	3,850 S.F.	5,490 S.F.	5,125 S.F.	8,880 S.F.	3,850 S.F.	3,830 S.F.	5,545 S.F.	5,765 S.F.	4,470 S.F.	4,755 S.F.	5,300 S.F.

THE STORMWATER MANAGEMENT PARCEL IS 35,504 SQ FT IN AREA.

**DRAWING INDEX**

- SHEET 1: COVER SHEET
- SHEET 2: EXISTING CONDITIONS PLAN
- SHEET 3: SUBDIVISION PLAT
- SHEET 4: GRADING AND UTILITY PLAN
- SHEET 5: EROSION AND SEDIMENT CONTROL PLAN
- SHEET 6: SITE AND EROSION & SEDIMENT CONTROL DETAILS
- SHEET 7: STORMWATER DETAILS
- SHEET 8: WATER AND SEWER DETAILS



AREA MAP SCALE: 1" = 400'

**SITE SPECIFIC NOTES:**

1. THE CONTRACTOR SHALL PERFORM A UTILITIES CALL-OUT PRIOR TO CONSTRUCTION TO VERIFY ALL UNDERGROUND UTILITY LOCATIONS BY CONTACTING UFPO @ 1-800-962-7962. SPECIFIC ATTENTION SHALL BE PAID TO THE ACTUAL LOCATIONS OF THE GAS, WATER AND SEWER MAINS WITH RESPECT TO THE PROPOSED LOCATIONS FOR THE SERVICE LINES.
2. THE CONTRACTOR SHALL CONTACT THE TOWN OF NEWBURGH WATER AND SEWER DEPARTMENT TO SCHEDULE A PRE-CONSTRUCTION MEETING TO ENSURE THAT THE ARRANGEMENTS FOR WATER SUPPLY AND SEWAGE DISPOSAL ARE COMMENCED IN ACCORDANCE WITH THE APPROVED PLANS AND AMENDMENTS THERETO AND GENERALLY ACCEPTED STANDARDS.
3. THE PROPOSED LOTS SHALL BE SERVED BY THE TOWN OF NEWBURGH MUNICIPAL WATER AND CITY OF NEWBURGH MUNICIPAL SEWER SERVICES.
4. THE WATER SERVICE LINE AND METER SHALL BE INSTALLED IN ACCORDANCE WITH THE TOWN OF NEWBURGH WATER DEPARTMENT REQUIREMENTS.
5. ROCKWOOD DRIVE LANE CLOSURE FOR SERVICE CONNECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH TOWN OF NEWBURGH REQUIREMENTS.
6. ELECTRIC SERVICE FOR THE PROPOSED HOUSES SHALL BE UNDERGROUND (IF AVAILABLE), OR CONNECTED TO THE NEAREST OVERHEAD CONNECTION POINT.
7. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION.
8. SUMP PUMPS TO BE PROVIDED FOR FOOTING DRAINS, AS REQUIRED. THE TYPES OF PUMPS AND METHODS USED TO ENSURE PROPER DRAINAGE SHALL BE ACCEPTABLE TO THE TOWN OF NEWBURGH BUILDING DEPARTMENT.

**SURVEYOR'S CERTIFICATION:**

I HEREBY CERTIFY THAT THIS BOUNDARY SURVEY WAS PREPARED BY TEC LAND SURVEYING P.C. AND WAS MADE FROM AN ACTUAL FIELD SURVEY COMPLETED APRIL 14, 2011. UNITED STATES GEOLOGICAL SURVEY NGVD 1929 DATUM USED FOR THE SURVEY.

THOMAS E. CERCHIARA, JR., NYSLS #050732,  
OWNER OF THE RECORDS OF RAYMOND E.  
HEINSMAN PROFESSIONAL LAND SURVEYOR P.L.L.C. SEAL

**MAP REFERENCES:**

1. REFERENCE IS HEREBY MADE TO A SURVEY ENTITLED "SURVEY OF PROPERTY PREPARED FOR JPJR HOLDINGS LLC," AS PREPARED BY THOMAS CERCHIARA, L.S., DATED APRIL 14, 2011. ALL EXISTING FEATURES AS SHOWN ON THE PARCEL WERE TAKEN FROM THE SURVEY MAP.
2. 2' CONTOUR TOPOGRAPHIC INFORMATION TAKEN FROM ORANGE COUNTY AERIAL TOPOGRAPHIC MAPS.

**JPJR HOLDINGS SUBDIVISION**

APPROVED BY RESOLUTION OF THE PLANNING BOARD OF THE TOWN OF NEWBURGH, NEW YORK, ON THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_, SUBJECT TO ALL REQUIREMENTS AND CONDITIONS OF SAID RESOLUTION; ANY CHANGE, ERASURE, MODIFICATION OR REVISION OF THIS PLAT, AS APPROVED, SHALL VOID THIS APPROVAL.

SIGNED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_, BY \_\_\_\_\_

\_\_\_\_\_  
CHAIRMAN



**OWNER:**  
JPJR HOLDINGS, LLC  
1456 ROUTE 55  
LAGRANGEVILLE, NY 12540

**APPLICANT:**  
JOHN PAGE JR.  
1456 ROUTE 55  
LAGRANGEVILLE, NY 12540

**PROJECT ENGINEER:**



HUDSON LAND DESIGN  
PROFESSIONAL ENGINEERING P.C.  
174 MAIN STREET  
BEACON, NEW YORK 12508  
PH: 845-440-6926  
F: 845-440-6637

**PROJECT SURVEYOR:**

TEC LAND SURVEYING  
PROFESSIONAL LAND SURVEYOR P.L.L.C.  
176 MAIN STREET  
BEACON, NEW YORK 12508  
PH: 845-445-6590  
F: 845-445-6591

**OWNER'S CONSENT:**

THE UNDERSIGNED OWNER OF THE PROPERTY HEREON STATES THAT HE IS FAMILIAR WITH THIS MAP, ITS CONTENTS AND ITS LEGENDS AND HEREBY CONSENTS TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON AND TO THE FILING OF THE PLAN IN THE OFFICE OF THE CLERK OF THE COUNTY OF ORANGE.

JOHN PAGE JR. \_\_\_\_\_ DATE \_\_\_\_\_

DRAWN BY:	DGK	CHECKED BY:	JDB	JOB NO.:	2010:028
<b>REVISIONS:</b>					
NO.	DATE	DESCRIPTION	BY		
1	4/18/13	TOWN COMMENTS & ZONING CHANGE	JDB		
2	8/8/13	TOWN COMMENTS	JDB		
3	9/5/13	TOWN COMMENTS	JDB		

# COVER SHEET

## JPJR HOLDINGS, LLC

NORTH PLANK ROAD (NYS RTE 52), CHESTNUT LANE & ROCKWOOD DRIVE  
TOWN OF NEWBURGH  
ORANGE COUNTY, NEW YORK

TAX ID: 75-1-36.2  
SCALE: AS NOTED  
MAY 1, 2011

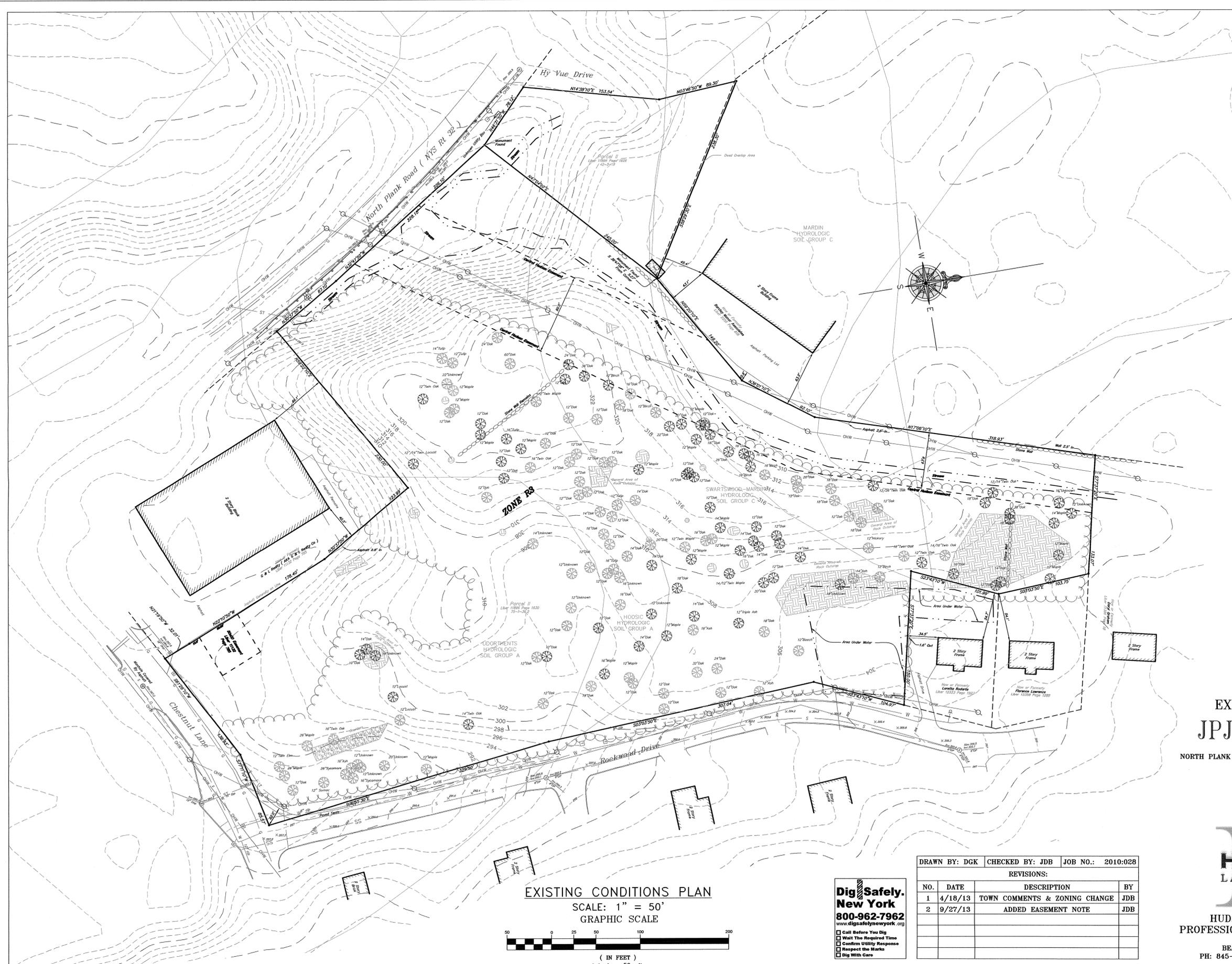


HUDSON LAND DESIGN  
PROFESSIONAL ENGINEERING P.C.  
174 MAIN STREET  
BEACON, NEW YORK 12508  
PH: 845-440-6926 F: 845-440-6637



SEAL

JON D. BODENDORF, P.E.  
NYS LICENSE NO. 076245  
DANIEL G. KOBLER, P.E.  
NYS LICENSE NO. 082716



**LEGEND**

	EXISTING TREE
	EXISTING SEWER
	EXISTING UTILITY POLE
	EXISTING FIRE HYDRANT
	EXISTING GAS VALVE
	EXISTING DRAINAGE STRUCTURE
	EXISTING ROCK OUTCROP
	EXISTING TELEPHONE BOX
	EXISTING WATER VALVE
	EXISTING TREE LINE
	EXISTING GAS PIPE
	EXISTING DRAIN PIPE
	EXISTING SEWER PIPE
	EXISTING WATER LINE
	EXISTING F.M. LOT LINE
	EXISTING ADJOINER LINE
	EXISTING PROPERTY LINE
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING OVERHEAD WIRE
	EXISTING BUILDING

**EXISTING WELL NOTES:**  
 1. THERE ARE NO EXISTING WELLS WITHIN 200' OF THE PROPERTY.

**EASEMENT NOTE:**  
 1. PER FILED MAP #3658, THE CENTRAL HUDSON EASEMENT IS AT LEAST PARTIALLY A DRAINAGE EASEMENT. THE EXISTING DRAINAGE COURSE/STREAM THAT RUNS GENERALLY ALONG THE WESTERN PROPERTY LINE SHALL NOT BE ALTERED AS A RESULT OF THE PROPOSED DEVELOPMENT.

**OWNER'S CONSENT:**  
 THE UNDERSIGNED OWNER OF THE PROPERTY HEREOF STATES THAT HE IS FAMILIAR WITH THIS MAP, ITS CONTENTS AND ITS LEGENDS AND HEREBY CONSENTS TO ALL SAID TERMS AND CONDITIONS AS STATED HEREOF AND TO THE FILING OF THE PLAN IN THE OFFICE OF THE CLERK OF THE COUNTY OF ORANGE.

JOHN PAGE JR. \_\_\_\_\_ DATE \_\_\_\_\_

**EXISTING CONDITIONS PLAN  
 JPJR HOLDINGS, LLC**

NORTH PLANK ROAD (NYS RTE 52), CHESTNUT LANE & ROCKWOOD DRIVE  
 TOWN OF NEWBURGH  
 ORANGE COUNTY, NEW YORK  
 TAX ID: 75-1-36.2  
 SCALE: 1" = 50'  
 MAY 1, 2011



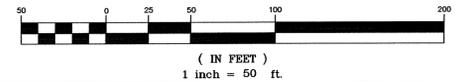
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 NYS LICENSE NO. 082716

SHEET: 2 OF 8

**EXISTING CONDITIONS PLAN**  
 SCALE: 1" = 50'  
 GRAPHIC SCALE



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 www.digsafelynewyork.org

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- Wait The Required Time
- Confirm Utility Response
- Respect the Marks
- Dig With Care

DRAWN BY: DKG	CHECKED BY: JDB	JOB NO.: 2010-028	
REVISIONS:			
NO.	DATE	DESCRIPTION	BY
1	4/18/13	TOWN COMMENTS & ZONING CHANGE	JDB
2	9/27/13	ADDED EASEMENT NOTE	JDB

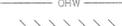
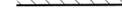
**COMMON DRIVEWAY NOTE:**

FOR ALL PROPOSED COMMON DRIVEWAYS, THE DRIVEWAYS ARE TO BE CONSTRUCTED AS DEPICTED ON THESE PLANS. FOR EACH COMMON DRIVEWAY, SHOULD DEVELOPMENT OF THE LOT THAT IS CLOSER TO ROCKWOOD DRIVE OCCUR BEFORE THE LOT THAT IS FURTHER AWAY, THE DRIVEWAY MUST BE CONSTRUCTED A MINIMUM OF 2' BEYOND THE COMMON PORTION OF THE DRIVEWAY TO FACILITATE FUTURE CONSTRUCTION ACTIVITIES.

**HOUSE CONSTRUCTION NOTE:**

PRIOR TO CONSTRUCTION OF ANY HOUSE, A PLOT PLAN MUST BE SUBMITTED TO AND APPROVED BY THE BUILDING DEPARTMENT. ONCE APPROVED, THE FOUNDATION MUST BE STAKED BY A LICENSED LAND SURVEYOR TO ENSURE THAT ALL MINIMUM SETBACK DIMENSIONS ARE MAINTAINED DURING CONSTRUCTION.

**LEGEND**

-  EXISTING TREE
-  EXISTING SEWER
-  EXISTING UTILITY POLE
-  EXISTING FIRE HYDRANT
-  EXISTING GAS VALVE
-  EXISTING DRAINAGE STRUCTURE
-  EXISTING ROCK OUTCROP
-  EXISTING TELEPHONE BOX
-  EXISTING WATER VALVE
-  EXISTING TREE LINE
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-  EXISTING ADJOINER LINE
-  EXISTING PROPERTY LINE
-  EXISTING MAJOR CONTOUR
-  EXISTING MINOR CONTOUR
-  EXISTING OVERHEAD WIRE
-  EXISTING BUILDING
-  PROPOSED PROPERTY LINE
-  BUILDING SETBACK
-  BUILDABLE AREA
-  PROPOSED EASEMENT LINE
-  ZONING LINE

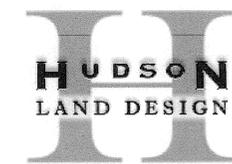
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JOHN PAGE JR. \_\_\_\_\_ DATE \_\_\_\_\_

**SUBDIVISION PLAT  
JPJR HOLDINGS, LLC**

NORTH PLANK ROAD (NYS RTE 52), CHESTNUT LANE & ROCKWOOD DRIVE  
TOWN OF NEWBURGH  
ORANGE COUNTY, NEW YORK  
TAX ID: 75-1-36.2  
SCALE: 1" = 50'  
MAY 1, 2011



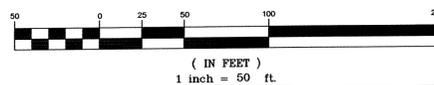
**HUDSON LAND DESIGN**  
PROFESSIONAL ENGINEERING P.C.  
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BEACON, NEW YORK 12508  
PH: 845-440-6926 F: 845-440-6637



SEAL  
JON D. BODENDORF, P.E.  
NYS LICENSE NO. 076245  
DANIEL G. KOEHLER, P.E.  
NYS LICENSE NO. 082716

SHEET: 3 OF 8

**SUBDIVISION PLAT**  
SCALE: 1" = 50'  
GRAPHIC SCALE



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DRAWN BY: DGK CHECKED BY: JDB JOB NO.: 2010-028			
REVISIONS:			
NO.	DATE	DESCRIPTION	BY
1	4/18/13	TOWN COMMENTS & ZONING CHANGE	JDB
2	8/8/13	TOWN COMMENTS	JDB
3	9/5/13	TOWN COMMENTS	JDB

**LEGEND**

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-  EXISTING MINOR CONTOUR
-  EXISTING OVERHEAD WIRE
-  EXISTING BUILDING
-  PROPOSED PROPERTY LINE
-  BUILDING SETBACK
-  PROPOSED EASEMENT LINE
-  PROPOSED STORM LINE
-  PROPOSED WATER LINE
-  PROPOSED SEWER LINE
-  PROPOSED ROOF LEADER PIPE
-  PROPOSED FOOTING/UNDER DRAIN PIPE
-  PROPOSED EASEMENT LINE
-  PROPOSED MINOR CONTOUR
-  PROPOSED MAJOR CONTOUR
-  PROPOSED SPOT GRADE
-  PROPOSED SILT FENCE
-  PROPOSED WATER SHUT OFF
-  PROPOSED SEWER CLEAN OUT
-  PROPOSED YARD DRAIN WITH INLET PROTECTION
-  IMPERVIOUS SURFACE
-  PROPOSED RIP RAP
-  PROPOSED INFILTRATION BASIN

**OWNER'S CONSENT:**  
 THE UNDERSIGNED OWNER OF THE PROPERTY HEREON STATES THAT HE IS FAMILIAR WITH THIS MAP, ITS CONTENTS AND ITS LEGENDS AND HEREBY CONSENTS TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON AND TO THE FILING OF THE PLAN IN THE OFFICE OF THE CLERK OF THE COUNTY OF ORANGE.

JOHN PAGE JR. DATE

**GRADING AND UTILITY PLAN  
 JPJR HOLDINGS, LLC**

NORTH PLANK ROAD (NYS RTE 52), CHESTNUT LANE & ROCKWOOD DRIVE  
 TOWN OF NEWBURGH  
 ORANGE COUNTY, NEW YORK  
 TAX ID: 75-1-36.2  
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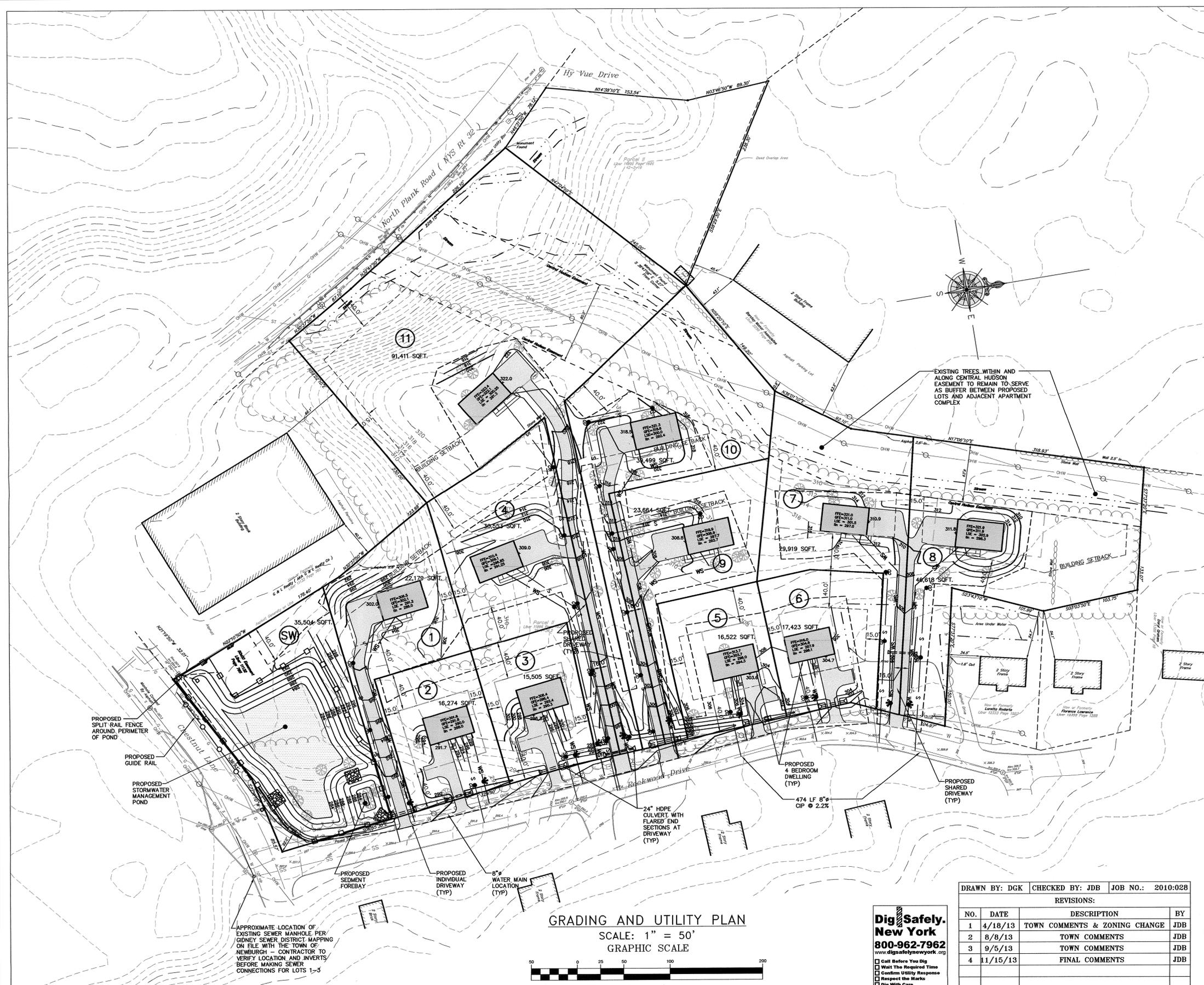


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SEAL  
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 NYS LICENSE NO. 076245  
 DANIEL G. KOEHLER, P.E.  
 NYS LICENSE NO. 082716

SHEET: 4 OF 8



**GRADING AND UTILITY PLAN**  
 SCALE: 1" = 50'  
 GRAPHIC SCALE

( IN FEET )  
 1 inch = 50 ft.

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2	8/8/13	TOWN COMMENTS	JDB		
3	9/5/13	TOWN COMMENTS	JDB		
4	11/15/13	FINAL COMMENTS	JDB		

APPROXIMATE LOCATION OF EXISTING SEWER MANHOLE PER GIDNEY SEWER DISTRICT MAPPING ON FILE WITH THE TOWN OF NEWBURGH - CONTRACTOR TO VERIFY LOCATION AND INVERTS BEFORE MAKING SEWER CONNECTIONS FOR LOTS 1-3

PROPOSED SPLIT RAIL FENCE AROUND PERIMETER OF POND

PROPOSED GUIDE RAIL

PROPOSED STORMWATER MANAGEMENT POND

PROPOSED SEDIMENT FOREBAY

PROPOSED INDIVIDUAL DRIVEWAY (TYP)

8" WATER MAIN LOCATION (TYP)

24" HDPE CULVERT WITH FLARED END SECTIONS AT DRIVEWAY (TYP)

PROPOSED 4 BEDROOM DWELLING (TYP)

PROPOSED SHARED DRIVEWAY (TYP)

EXISTING TREES WITHIN AND ALONG CENTRAL HUDSON EASEMENT TO REMAIN TO SERVE AS BUFFER BETWEEN PROPOSED LOTS AND ADJACENT APARTMENT COMPLEX

**TYPICAL CONSTRUCTION PHASING FOR EACH LOT:**

- IF LOTS ARE TO BE BUILT BY DIFFERENT CONTRACTORS, THEN EACH CONTRACTOR IS RESPONSIBLE FOR SECURING HIS OWN NOI FOR HIS RESPECTIVE LOT(S).
- SCHEDULE A PRE-CONSTRUCTION MEETING WHICH SHALL INCLUDE THE OWNER OR OWNER'S REPRESENTATIVE, PROJECT ENGINEER, CONTRACTOR AND SUBCONTRACTORS (IF NECESSARY) WHO ARE TO PERFORM THE CONSTRUCTION.
- ESTABLISH THE LIMIT OF DISTURBANCE FOR PROPOSED CLEARING AND GRADING ASSOCIATED WITH THE PROPOSED HOUSE AND DRIVEWAY LOCATION.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE AS DEPICTED ON THE PLAN.
- CLEAR LOCATIONS FOR INSTALLATIONS OF PROPOSED EROSION AND SEDIMENT CONTROL MEASURES.
- INSTALL SILT FENCE AS SHOWN ON THIS PLAN.
- PRIOR TO FURTHER CONSTRUCTION ACTIVITIES, CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER TO CONDUCT A PRE-CONSTRUCTION SITE ASSESSMENT TO VERIFY THAT THE APPROPRIATE EROSION AND SEDIMENT CONTROLS SHOWN ON THIS PLAN HAVE BEEN ADEQUATELY INSTALLED ENSURING OVERALL PREPAREDNESS OF THIS SITE FOR THE COMMENCEMENT OF CONSTRUCTION.
- COMMENCE GRADING ACTIVITIES WITHIN LOT AS OUTLINED WITHIN THE PLAN SET. DO NOT CONSTRUCT INFILTRATION BASIN, OR BIORETENTION AREAS AT THIS TIME.
- INSTALL WATER AND SEWER SERVICE CONNECTIONS TO MAINS BENEATH ROCKWOOD DRIVE.
- FINAL GRADE LOT AND SEED AND MULCH FOR STABILIZATION.
- CONSTRUCT DRIVEWAY AND DWELLING (SEE NOTE 12).
- CONSTRUCTION OF THE SWALE ALONG ROCKWOOD DRIVE MUST BE COMPLETED BEFORE A BUILDING PERMIT IS ISSUED FOR LOT 7 OR LOT 8. THE SWALE MUST BE CONSTRUCTED PRIOR TO THE INSTALLATION OF ANY OF THE PROPOSED DRIVEWAYS FOR THE SUBDIVISION.
- EROSION CONTROL MEASURES SHALL BE INSPECTED AND REPAIRED AS NEEDED DURING CONSTRUCTION ACTIVITIES. ADDITIONAL EROSION CONTROL MEASURES BASED ON SITE CONDITIONS SHALL BE PROVIDED.
- REMOVE EROSION AND SEDIMENT CONTROLS WHEN CONTRIBUTING DRAINAGE AREAS HAVE BECOME STABILIZED.

**EROSION AND SEDIMENT CONTROL NOTES**

- ALL EROSION CONTROL MEASURES EMPLOYED DURING THE CONSTRUCTION PROCESS SHALL BE INSPECTED BY THE CONTRACTOR IN ACCORDANCE WITH THE MAINTENANCE SCHEDULE PROVIDED ON THIS SHEET. ALL EROSION CONTROL STRUCTURES SHALL BE REPAIRED AND MAINTAINED AS NECESSARY BY THE CONTRACTOR.
- ALL STORMWATER MANAGEMENT STRUCTURES (E.G., SWALES, CULVERTS) SHALL BE REGULARLY INSPECTED FOR SEDIMENT ACCUMULATIONS. SEDIMENT AND TRASH SHALL BE REMOVED, AS NECESSARY.
- ALL EROSION CONTROL INSTALLATION AND MAINTENANCE MEASURES SHALL MEET THE REQUIREMENTS OF THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
- ANY PILE OF POTENTIALLY ERODIBLE MATERIAL TEMPORARILY STOCKPILED ON THE SITE DURING THE CONSTRUCTION PROCESS SHALL BE LOCATED IN AN AREA AWAY FROM STORM DRAINAGE AND SHALL BE PROPERLY PROTECTED FROM EROSION BY A SURROUNDING SILT FENCE.
- PERMANENT SEEDING AREAS FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH DETAIL AND SPECIFICATIONS ON THE DETAIL SHEET.
- AREAS UNDERGOING CLEARING OR GRADING AND WHERE WORK IS DELAYED OR COMPLETED AND WILL NOT BE REDISTURBED FOR A PERIOD OF 21 DAYS OR MORE SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT VEGETATIVE COVER WITHIN 14 DAYS.
- ON-SITE DUST CONTROL SHALL BE ACCOMPLISHED BY STANDARD METHODS OF LIGHTLY WATERING ALL EXPOSED SOIL AND RAPIDLY STABILIZING THE REGRADED AREAS WITH TOPSOIL, LOAM AND/OR SEEDING.
- THE PROJECT ENGINEER SHALL BE NOTIFIED NO LESS THAN 48 HOURS PRIOR TO THE START OF ANY SITE WORK, AND BY SUCH NOTIFICATION, SHALL BE PROVIDED WITH THE NAME AND TELEPHONE NUMBER OF THE GENERAL CONTRACTOR RESPONSIBLE FOR SUCH WORK.
- THE TOWN MAY INSPECT EROSION AND SEDIMENT CONTROL PRACTICES ON THE SITE DURING CONSTRUCTION AND RECOMMEND THAT THE CONTRACTOR INSTALL ADDITIONAL EROSION CONTROL MEASURES IF DEEMED NECESSARY TO PROTECT ANY UNDISTURBED AREAS OF THE SITE. ANY SUCH REQUESTS SHALL BE MADE DIRECTLY TO THE CONTRACTOR AND QUALIFIED PROFESSIONAL AND FOLLOWED UP WITH A WRITTEN NOTIFICATION TO THE DEVELOPER. IN ADDITION, THE CITY SHALL BE CONSULTED ON ANY SPECIAL ADDITIONS OR DELETIONS OF EROSION CONTROL MEASURES WARRANTED BY CHANGING FIELD CONDITIONS. THE NOTICE OF INTENT (NOI) MAY NEED TO BE UPDATED AS A RESULT OF THE CHANGES.
- THE CONTRACTOR/OWNER SHALL MAINTAIN A RECORD OF ALL EROSION AND SEDIMENT CONTROL INSPECTION REPORTS AT THE SITE IN A LOG BOOK. THE SITE LOG BOOK SHALL BE MAINTAINED ON SITE AND BE MADE AVAILABLE TO THE PERMITTING AUTHORITY. THE OWNER/CONTRACTOR SHALL, ON A MONTHLY BASIS, POST AT THE SITE A SUMMARY OF THE SITE INSPECTION ACTIVITIES IN A PUBLICLY ACCESSIBLE LOCATION.
- THE OWNER SHALL FILE A NOI WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES AND A NOTICE OF TERMINATION (NOT) WITH THE NYSDEC FOLLOWING CONSTRUCTION ACTIVITIES.
- IF GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT A DEWATERING PIT IN ACCORDANCE WITH NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (AKA SUMP PIT) TO FILTER WATER FOR PUMPING TO A SUITABLE LOCATION.
- WHEN ALL DISTURBED AREAS ARE STABLE, ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED PER THE APPROVAL OF THE CITY AND QUALIFIED PROFESSIONAL.
- UPON COMPLETION OF CONSTRUCTION, THE PARCEL OWNER(S) SHALL BE RESPONSIBLE FOR THE INSPECTION AND MAINTENANCE OF THE STORMWATER MANAGEMENT SYSTEM. THE STORMWATER MANAGEMENT SYSTEM SHALL BE INSPECTED QUARTERLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT. THE OWNER(S) SHALL MAINTAIN A RECORD OF INSPECTION AND MAINTENANCE REPORTS AT THE SITE. REFER TO THE SWPPP FOR INSPECTION REQUIREMENTS AND FUTURE MAINTENANCE.

**LEGEND**

- EXISTING TREE
- EXISTING SEWER
- EXISTING UTILITY POLE
- EXISTING FIRE HYDRANT
- EXISTING GAS VALVE
- EXISTING DRAINAGE STRUCTURE
- EXISTING ROCK OUTCROP
- EXISTING TELEPHONE BOX
- EXISTING WATER VALVE
- EXISTING TREE LINE
- EXISTING GAS PIPE
- EXISTING DRAIN PIPE
- EXISTING SEWER PIPE
- EXISTING WATER LINE
- EXISTING F.M. LOT LINE
- EXISTING JOINER LINE
- EXISTING PROPERTY LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING OVERHEAD WIRE
- EXISTING BUILDING
- PROPOSED PROPERTY LINE
- BUILDING SETBACK
- PROPOSED EASEMENT LINE
- PROPOSED STORM LINE
- PROPOSED WATER LINE
- PROPOSED SEWER LINE
- PROPOSED ROOF LEADER PIPE
- PROPOSED FOOTING/UNDER DRAIN PIPE
- PROPOSED EASEMENT LINE
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED SPOT GRADE
- PROPOSED SILT FENCE
- PROPOSED PHASE LINE
- IMPERVIOUS SURFACE
- PROPOSED RIP RAP
- PROPOSED CONSTRUCTION ENTRANCE
- PROPOSED EROSION CONTROL BLANKET
- PROPOSED STONE CHECK DAM

**OWNER'S CONSENT:**  
 THE UNDERSIGNED OWNER OF THE PROPERTY HERON STATES THAT HE IS FAMILIAR WITH THIS MAP, ITS CONTENTS AND ITS LEGENDS AND HEREBY CONSENTS TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON AND TO THE FILING OF THE PLAN IN THE OFFICE OF THE CLERK OF THE COUNTY OF ORANGE.

JOHN PAGE JR. \_\_\_\_\_ DATE \_\_\_\_\_

**EROSION AND SEDIMENT CONTROL PLAN  
 JPJR HOLDINGS, LLC**

NORTH PLANK ROAD (NYS RTE 52), CHESTNUT LANE & ROCKWOOD DRIVE  
 TOWN OF NEWBURGH  
 ORANGE COUNTY, NEW YORK  
 TAX ID: 75-1-36.2  
 SCALE: 1" = 50'  
 MAY 1, 2011



**HUDSON LAND DESIGN**  
 PROFESSIONAL ENGINEERING P.C.  
 174 MAIN STREET  
 BEACON, NEW YORK 12508  
 PH: 845-440-6926 F: 845-440-6637

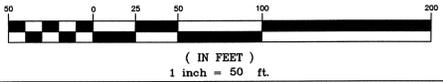


SEAL  
 JON D. BODENDORF, P.E.  
 NYS LICENSE NO. 076245  
 DANIEL G. KOEHLER, P.E.  
 NYS LICENSE NO. 082716

SHEET: 5 OF 8



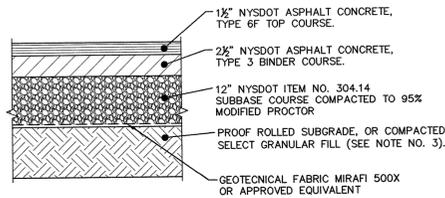
**EROSION AND SEDIMENT CONTROL PLAN**  
 SCALE: 1" = 50'  
 GRAPHIC SCALE



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1	4/18/13	TOWN COMMENTS & ZONING CHANGE	JDB
2	8/8/13	TOWN COMMENTS	JDB
3	9/5/13	TOWN COMMENTS	JDB

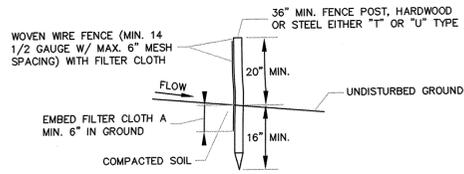
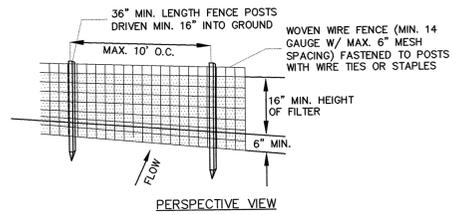
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- NOTES:**
- MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED JANUARY 2, 2002.
  - TACK COAT WHEN SPECIFIED OR CALLED OUT IN THESE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATIONS SHALL CONFORM WITH SECTION 407-TACK COAT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
  - WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSES OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN CONFORMANCE WITH SECTION 203-EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.

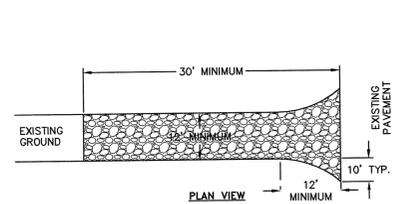
**DRIVEWAY SECTION DETAIL**  
NOT TO SCALE

**EROSION AND SEDIMENT CONTROL DETAILS**



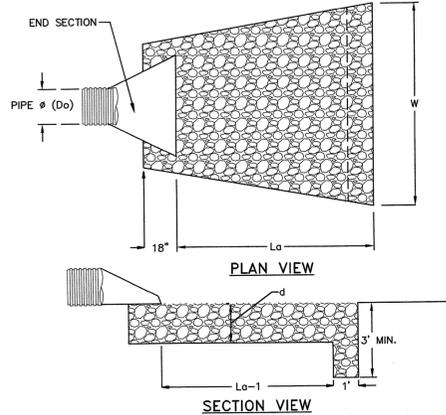
- NOTES:**
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
  - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140X OR APPROVED EQUAL.
  - PREFABRICATED UNITS SHALL BE GEOFAB, ENVROFENCE OR APPROVED EQUAL.
  - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

**SILT FENCE DETAIL**  
NOT TO SCALE



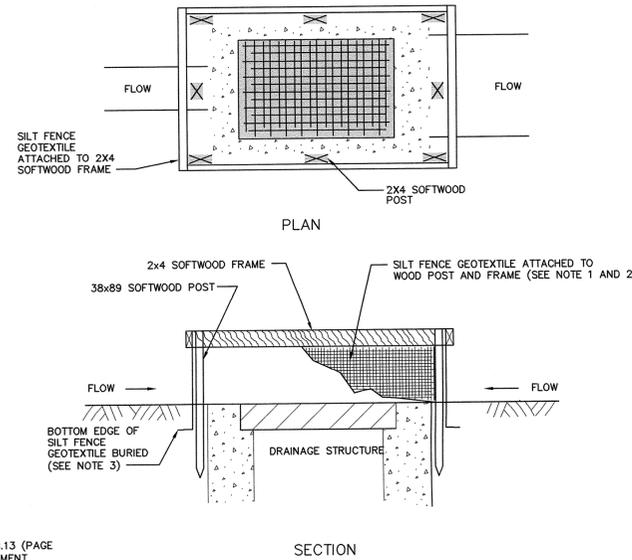
- NOTES:**
- STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
  - LENGTH - NOT LESS THAN 30 FEET FOR A SINGLE RESIDENCE LOT.
  - THICKNESS - NOT LESS THAN SIX (6) INCHES.
  - WIDTH - 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24 FOOT MINIMUM IF SINGLE ENTRANCE TO SITE.
  - GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
  - SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
  - MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURE USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
  - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
  - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

**STABILIZED CONSTRUCTION ENTRANCE DETAIL**  
NOT TO SCALE



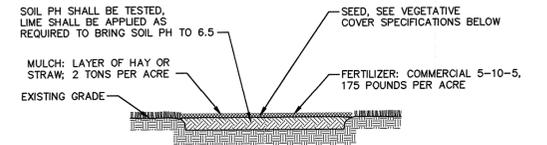
- NOTES:**
- SIZING INFORMATION TAKEN FROM FIGURE 5B.12 (PAGE 5B.25) AND/OR FIGURE 5B.13 (PAGE 5B.26) OF THE "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" 2005 EDITION.
  - RIPRAP SHALL BE COMPOSED OF A WELL-GRADED MIXTURE OF STONE SIZE SO THAT 50% OF THE PIECES SHALL BE LARGER, BY WEIGHT, THAN THE SPECIFIED #50. THE LARGEST STONE SIZE SHALL BE 1.5 TIMES #50.
  - THE MINIMUM THICKNESS OF THE RIPRAP LAYER SHALL BE 1.5 TIMES THE MAXIMUM STONE DIAMETER FOR #50 OF 15 INCHES OR LESS; AND 1.2 TIMES THE MAXIMUM STONE SIZE FOR #50 GREATER THAN 15 INCHES.
  - A LAYER OF FILTER FABRIC (THICKNESS 20-60 MILS, GRAB STRENGTH 90-120 LBS, SHALL CONFORM TO ASTM D-1777 AND ASTM D-1682) SHALL BE PLACED BETWEEN THE RIPRAP AND THE UNDERLYING SOIL SURFACE. FILTER FABRIC SHALL HAVE A MINIMUM 1' OVERLAP AT ALL SEAMS.

**ROCK OUTLET PROTECTION DETAIL**  
NOT TO SCALE



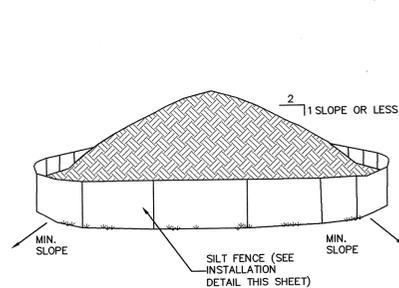
- NOTES:**
- SILT FENCE SHALL BE ONE CONTINUOUS PIECE TO ELIMINATE SEAMS.
  - SPACE SILT FENCE POSTS EVENLY AROUND INLET WITH A MAXIMUM SPACING OF 3 FEET. DRIVE POSTS A MINIMUM OF 18" INTO GROUND. WIRE MESH MAY BE REQUIRED BEHIND GEOTEXTILE TO PROVIDE SUPPORT.
  - SILT FENCE GEOTEXTILE SHALL BE EMBEDDED A MINIMUM OF 6" AND BACKFILLED. GEOTEXTILE SHALL BE SECURELY FASTENED TO POSTS AND FRAME.
  - SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE-HALF OF THE MEASURE HEIGHT, SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.

**TEMPORARY CATCH BASIN INLET PROTECTION DETAIL**  
NOT TO SCALE



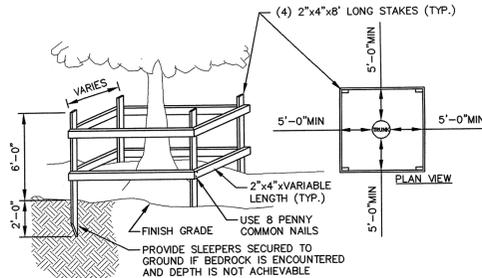
- NOTES:**
- TOPSOIL, SEED, MULCH, AND FERTILIZE DISTURBED SOIL AREAS THAT WILL BE LEFT EXPOSED FOR 14 DAYS OR MORE.
  - SEED MIXTURE FOR USE ON LAWNS IN SUNNY AREAS:  
65% KENTUCKY BLUE GRASS BLEND 114 POUNDS PER ACRE  
20% PERENNIAL RYEGRASS 35 POUNDS PER ACRE  
15% FINE FESCUE 26 POUNDS PER ACRE  
175 POUNDS PER ACRE
  - SEED MIXTURE FOR USE IN SHADY AREAS:  
80% BLEND OF SHADE TOLERANT KENTUCKY BLUEGRASS 138 POUNDS PER ACRE  
20% FINE FESCUE 37 POUNDS PER ACRE  
175 POUNDS PER ACRE
  - SEED BETWEEN APRIL 1ST AND MAY 15TH OR AUGUST 15TH AND OCTOBER 15TH. SEEDING MAY OCCUR BETWEEN MAY 15TH AND AUGUST 15TH IF ADEQUATE IRRIGATION IS PROVIDED.
  - TOPSOIL SHALL HAVE AT LEAST 6% BY WEIGHT OF FINE TEXTURED STABLE ORGANIC MATERIAL, AND NO GREATER THAN 20% TOPSOIL SHALL HAVE NOT LESS THAN 20% FINE TEXTURED MATERIAL (PASSING THE NO. 200 SIEVE) AND NOT MORE THAN 15% CLAY.

**TOPSOIL, SEED AND MULCH DETAIL**  
NOT TO SCALE



- NOTES:**
- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
  - EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.

**TEMPORARY SOIL STOCKPILE DETAIL**  
NOT TO SCALE



- NOTES:**
- TREES TO REMAIN NOTED ON EXISTING CONDITIONS PLAN.
  - NOT ALL TREES TO REMAIN REQUIRE PROTECTION. TREE PROTECTION TO BE UTILIZED ON TREES WHERE CONSTRUCTION TRAFFIC WOULD COMPACT THE ROOT ZONE OF THE TREE.

**TEMPORARY TREE PROTECTION DETAIL**  
NOT TO SCALE

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THE UNDERSIGNED OWNER OF THE PROPERTY HERON STATES THAT HE IS FAMILIAR WITH THIS MAP, ITS CONTENTS AND ITS LEGENDS AND HEREBY CONSENTS TO ALL SAID TERMS AND CONDITIONS AS STATED HERON AND TO THE FILING OF THE PLAN IN THE OFFICE OF THE CLERK OF THE COUNTY OF ORANGE.

JOHN PAGE JR. DATE

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**SITE AND EROSION & SEDIMENT CONTROL DETAILS**

**JPJR HOLDINGS, LLC**

NORTH PLANK ROAD (NYS RTE 52), CHESTNUT LANE & ROCKWOOD DRIVE  
TOWN OF NEWBURGH  
ORANGE COUNTY, NEW YORK  
TAX ID: 75-1-38.2  
SCALE: AS NOTED  
MAY 1, 2011

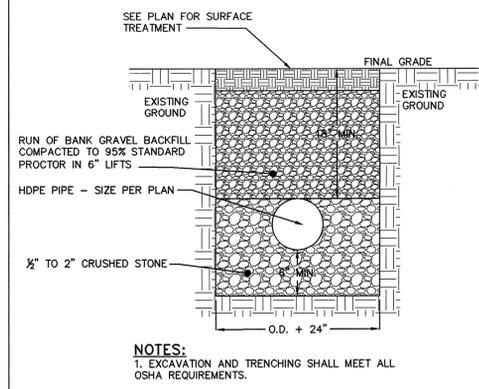


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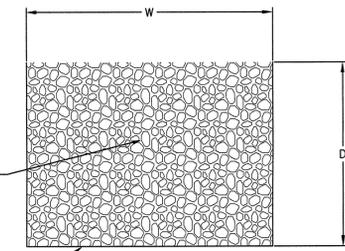
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SEAL  
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DANIEL G. KOEHLER, P.E.  
NYS LICENSE NO. 082716

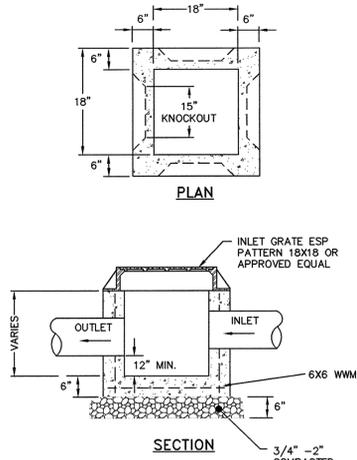


**STORMWATER PIPE IN TRENCH DETAIL**  
NOT TO SCALE



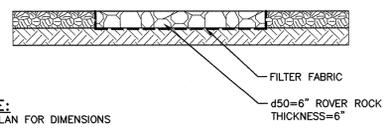
- NOTES:**
- SEE PLANS FOR LENGTH AND TABLE BELOW FOR REQUIRED WIDTH AND DEPTH.
  - APPROXIMATELY 6" OF THE TOP OF THE STONE DIAPHRAGM CAN BE DECORATIVE STONE.

**PEA-GRAVEL DIAPHRAGM DETAIL**  
NOT TO SCALE



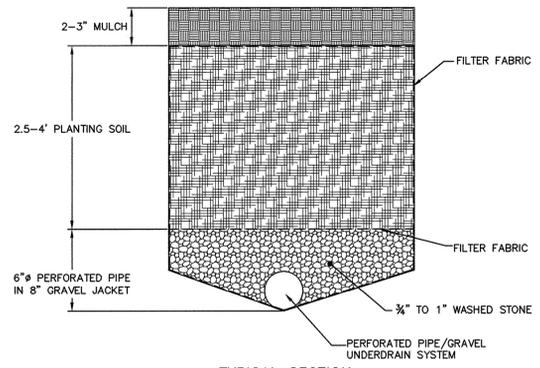
- NOTES:**
- YARD INLET BASINS SHALL BE PRE CAST REINFORCED CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI AND SHALL BE IN CONFORMANCE WITH ASTM 478-68. WALLS AND BASE SHALL BE ONE PIECE CONSTRUCTION. YARD INLET BASIN SHOWN BY EXPANDED SUPPLY PRODUCTS (ESP), 3330 ROUTE 9, COLD SPRING, NY (845) 265-3771.
  - BACKFILL USING SELECT MATERIAL, COMPACTED IN 6" LIFTS.
  - SUMP SHALL BE 12".
  - FRAMES AND GRATES SHALL BE SET IN A FULL BED OF MORTAR.

**PRE-CAST CONCRETE YARD INLET DETAIL**  
NOT TO SCALE



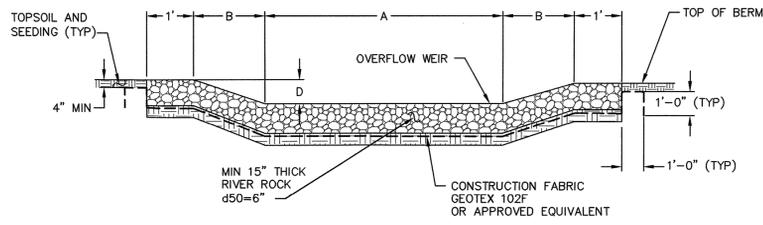
- NOTE:**
- SEE PLAN FOR DIMENSIONS

**ROOF LEADER ENERGY DISSIPATER DETAIL**  
NOT TO SCALE



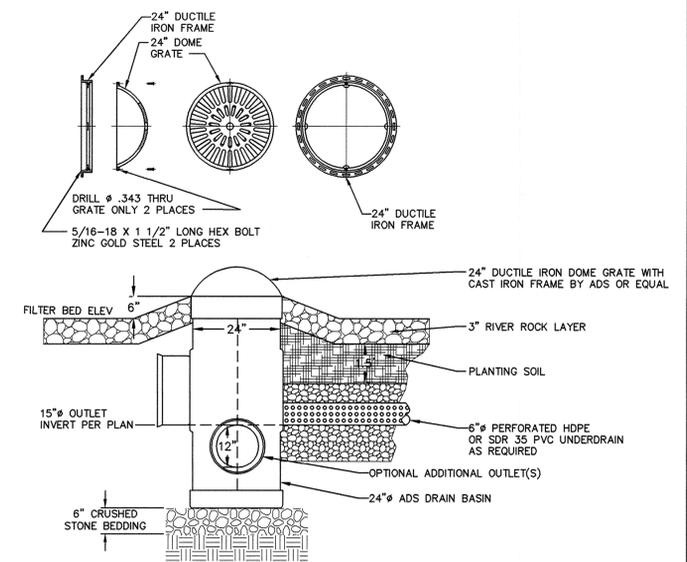
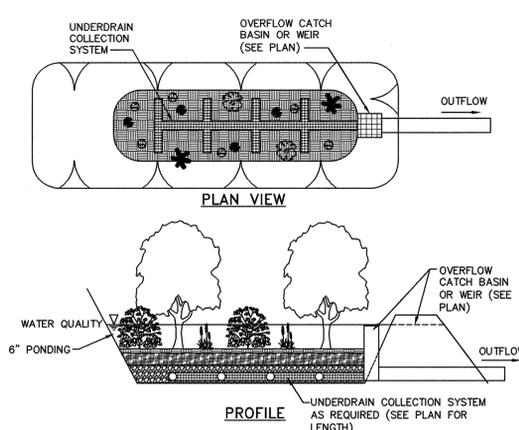
- NOTES:**
- NO RUNOFF IS TO ENTER THE BIORETENTION AREA UNTIL ALL CONTRIBUTING DRAINAGE AREAS HAVE BEEN STABILIZED.
  - LANDSCAPING TO BE PROVIDED BY THE PROJECT LANDSCAPE ARCHITECT AND AS FOLLOWS:
    - NATIVE PLANT SPECIES SHOULD BE SPECIFIED BASED ON SPECIFIED ZONE OF HYDRIC TOLERANCE
    - SELECTIONS OF TREES WITH AN UNDERSTORY OF SHRUBS AND HERBACEOUS MATERIALS SHOULD BE PROVIDED.
    - WOODY VEGETATION SHOULD NOT BE SPECIFIED AT INFLOW LOCATIONS.
    - TREES SHOULD BE PLANTED PRIMARILY ALONG THE PERIMETER OF THE FACILITY.
    - A TREE DENSITY OF 1 TREE PER 100 SQUARE FEET IS RECOMMENDED, AND SHRUBS/HERBACEOUS VEGETATION SHOULD GENERALLY BE PLANTED AT HIGHER DENSITIES (FIVE FEET ON CENTER AND 2.5 FEET ON CENTER, RESPECTIVELY).
  - SEE PLAN FOR PRE-TREATMENT.
  - UNDERDRAINS ARE REQUIRED IN SOLS WITH HYDROLOGIC SOIL GROUP C & D. HYDROLOGIC SOIL GROUPS A & B DO NOT REQUIRE UNDERDRAINS.

**TYPICAL BIORETENTION/RAIN GARDEN DETAIL**  
NOT TO SCALE

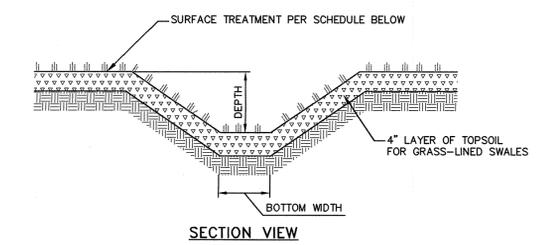


- NOTES:**
- RIP RAP OUTLET PROTECTION SHALL BE 15" OF LIGHT STONE FILLING. STONE FILLING SIZE d50=6". RIVER ROCK CAN BE SUBSTITUTED FOR ANGULAR STONE.

**EMERGENCY WEIR OVERFLOW DETAIL**  
NOT TO SCALE



**ADS DRAIN BASIN OUTLET CONTROL STRUCTURE DETAIL**  
NOT TO SCALE



- NOTES:**
- MINIMUM 1' DEPTH AND 1' WIDTH FOR ALL SWALES.
  - SWALE SHALL BE SEEDDED WITH FAST GERMINATING RYE 15 TO 25 POUNDS PER 1,000 SQUARE FEET AND MULCHED.

**SWALE DETAIL**  
NOT TO SCALE

**OWNER'S CONSENT:**

THE UNDERSIGNED OWNER OF THE PROPERTY HEREON STATES THAT HE IS FAMILIAR WITH THIS MAP, ITS CONTENTS AND ITS LEGENDS AND HEREBY CONSENTS TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON AND TO THE FILING OF THE PLAN IN THE OFFICE OF THE CLERK OF THE COUNTY OF ORANGE.

JOHN PAGE JR. \_\_\_\_\_ DATE \_\_\_\_\_

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2	11/15/13	FINAL COMMENTS	JDB

**STORMWATER DETAILS**  
**JPJR HOLDINGS, LLC**

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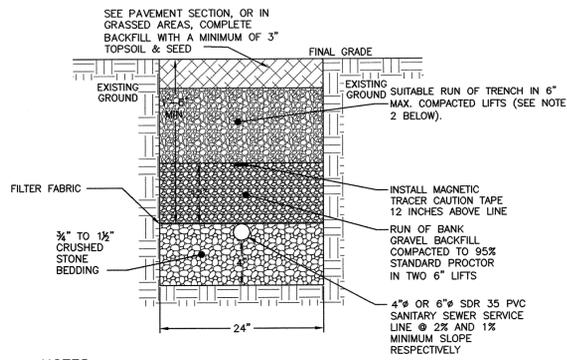


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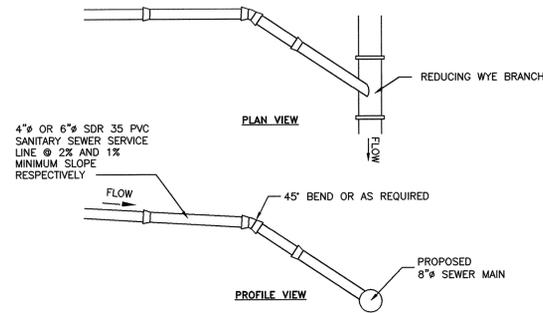
SEAL  
JON D. BODENDORF, P.E.  
NYS LICENSE NO. 076245  
DANIEL G. KOEHLER, P.E.  
NYS LICENSE NO. 082716

**SANITARY SEWER DETAILS**



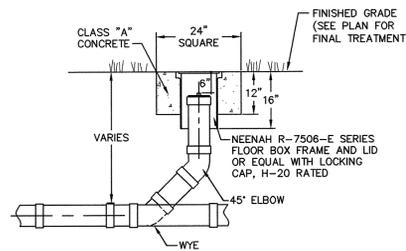
- NOTES:**
- EXCAVATION AND TRENCHING SHALL MEET ALL OSHA REQUIREMENTS.
  - SUITABLE RUN OF TRENCH SHALL NOT INCLUDE FROZEN MATERIALS, DEBRIS, ORGANIC MATERIALS, LARGE STONES OR OTHER UNSUITABLE MATERIALS. IF THE RUN OF TRENCH MATERIAL IS FOUND TO BE UNSUITABLE, A SUITABLE BACKFILL MATERIAL SHALL BE IMPORTED AND USED.

**SANITARY SEWER SERVICE LINE TRENCH DETAIL**  
NOT TO SCALE



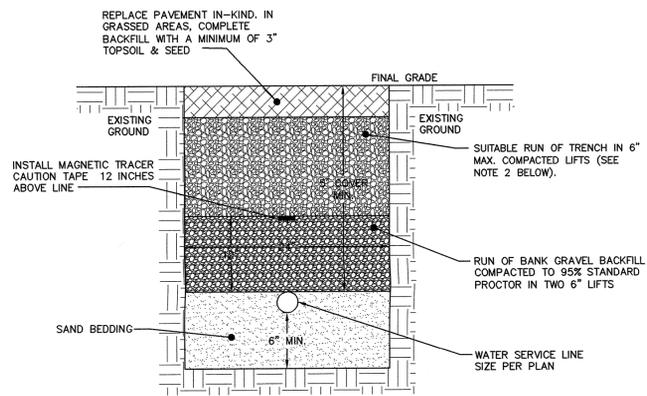
- NOTES:**
- EXCAVATION AND TRENCHING SHALL MEET ALL OSHA REQUIREMENTS.
  - SUITABLE RUN OF TRENCH SHALL NOT INCLUDE FROZEN MATERIALS, DEBRIS, ORGANIC MATERIALS, LARGE STONES OR OTHER UNSUITABLE MATERIALS. IF THE RUN OF TRENCH MATERIAL IS FOUND TO BE UNSUITABLE, A SUITABLE BACKFILL MATERIAL SHALL BE IMPORTED AND USED.

**SANITARY SEWER SERVICE CONNECTION DETAIL**  
NOT TO SCALE



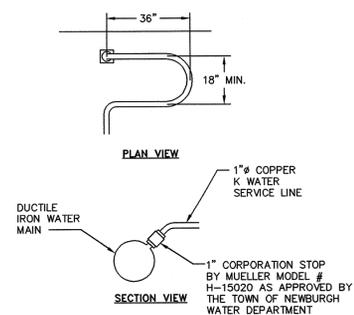
**CLEANOUT DETAIL**  
NOT TO SCALE

**WATER DETAILS**



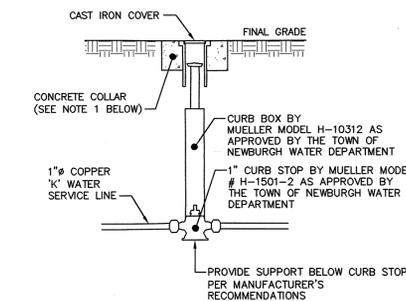
- NOTES:**
- EXCAVATION AND TRENCHING SHALL MEET ALL OSHA REQUIREMENTS.
  - SUITABLE RUN OF TRENCH SHALL NOT INCLUDE FROZEN MATERIALS, DEBRIS, ORGANIC MATERIALS, ENLARGED PARTICLES, LARGE STONES OR OTHER UNSUITABLE MATERIALS. IF THE RUN OF TRENCH MATERIAL IS FOUND TO BE UNSUITABLE, A SUITABLE BACKFILL MATERIAL SHALL BE IMPORTED AND USED.
  - IN AREAS WHERE 5' COVER REQUIREMENT CANNOT BE MET, THE CONTRACTOR SHALL PROVIDE PIPE INSULATION TO PREVENT FREEZING.

**WATER SERVICE LINE TRENCH DETAIL**  
NOT TO SCALE



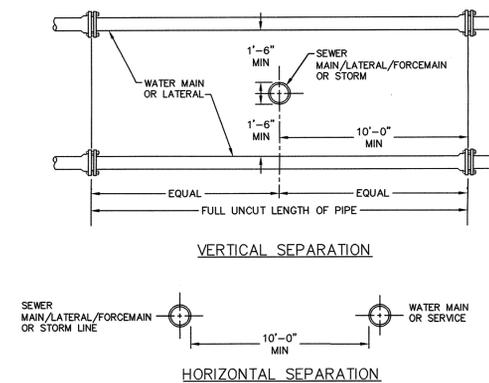
- NOTES:**
- A MINIMUM 5' COVER SHALL BE PROVIDED ON THE WATER SERVICE LINE (CONDITIONED ON ACTUAL WATER MAIN DEPTH).
  - CORPORATION STOP TO BE COMPRESSION TYPE BY MUELLER.
  - WATER SERVICE LINE TO HAVE A 'GOOSENECK' NEAR CORPORATION STOP.
  - CORPORATION STOP TO BE INSTALLED IN THE UPPER HALF OF THE WATER MAIN AT AN ANGLE OF APPROXIMATELY 45° FROM HORIZONTAL.

**WATER SERVICE CONNECTION DETAIL**  
NOT TO SCALE



- NOTES:**
- CONCRETE COLLAR TO BE PROVIDED IN AREAS THAT ARE NOT PAVED. THE COLLAR SHALL BE 6" FROM THE COVER AND SHALL EXTEND 6" BELOW FINAL GRADE.
  - CURB STOP TO BE COMPRESSION TYPE BY MUELLER.
  - AREA AROUND CURB BOX TO BE BACKFILLED WITH GRAVELLY MATERIAL.

**WATER SHUT-OFF VALVE DETAIL**  
NOT TO SCALE



- NOTE:**
- NO DEVIATION IN THE SEPARATION REQUIREMENTS WILL BE PERMITTED WITHOUT THE EXPRESS APPROVAL OF THE ORANGE COUNTY DEPARTMENT OF HEALTH AND THE TOWN OF NEWBURGH. CONCRETE ENCASUREMENT OF WATERLINE OR OFFSETTING OF WATERLINE SHALL BE REQUIRED WHERE SEPARATION DISTANCES CANNOT BE MAINTAINED.

**WATER LINE SEPARATION DETAIL**  
NOT TO SCALE

**TOWN SEWER SYSTEM NOTES**

- CONSTRUCTION OF SANITARY SEWER FACILITIES AND CONNECTION TO THE TOWN OF NEWBURGH SANITARY SEWER SYSTEM REQUIRES A PERMIT FROM THE TOWN OF NEWBURGH SEWER DEPARTMENT. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE NYSDEC AND THE TOWN OF NEWBURGH.
- ALL SEWER PIPE INSTALLATION SHALL BE SUBJECT TO INSPECTION BY THE TOWN OF NEWBURGH SEWER DEPARTMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INSPECTIONS AS REQUIRED WITH THE TOWN OF NEWBURGH SEWER DEPARTMENT.
- ALL GRAVITY SANITARY SEWER SERVICE LINES SHALL BE 4 INCHES IN DIAMETER OR LARGER AND SHALL BE SDR-35 PVC PIPE CONFORMING TO ASTM D-3034-89. JOINTS SHALL BE PUSH-ON WITH ELASTOMERIC RING GASKET CONFORMING TO ASTM D-3212. FITTINGS SHALL BE AS MANUFACTURED BY THE PIPE SUPPLIER OR EQUAL AND SHALL HAVE A BELL AND SPIGOT CONFIGURATION COMPATIBLE WITH THE PIPE.

**TOWN WATER SYSTEM NOTES**

- CONSTRUCTION OF POTABLE WATER UTILITIES AND CONNECTION TO THE TOWN OF NEWBURGH WATER SYSTEM REQUIRES A PERMIT FROM THE TOWN OF NEWBURGH WATER DEPARTMENT. ALL REQUIREMENTS SHALL CONFORM TO THE REQUIREMENTS OF THE NEW YORK STATE DEPARTMENT OF HEALTH AND THE TOWN OF NEWBURGH.
- ALL WATER SERVICE LINES FOUR (4) INCHES AND LARGER IN DIAMETER SHALL BE CEMENT LINED, CLASS 52, DUCTILE IRON PIPE CONFORMING TO ANSI/AWWA C151/A21.51-91 OR LATER REVISION FOR DUCTILE IRON PIPE. JOINTS SHALL BE EITHER PUSH-ON OR MECHANICAL JOINT AS REQUIRED.
- THRUST RESTRAINT OF THE PIPE SHALL BE THROUGH THE USE OF JOINT RESTRAINT. THRUST BLOCKS ARE NOT ACCEPTABLE. JOINT RESTRAINT SHALL BE THROUGH THE USE OF MECHANICAL JOINT PIPE WITH RETAINER GLANDS. ALL FITTINGS AND VALVES SHALL ALSO BE INSTALLED WITH RETAINER GLANDS FOR JOINT RESTRAINT. RETAINER GLANDS SHALL BE EBBA IRON MEGALUG SERIES 1100 OR APPROVED EQUAL. THE USE OF A MANUFACTURED RESTRAINED JOINT PIPE IS ACCEPTABLE WITH PRIOR APPROVAL OF THE WATER DEPARTMENT.
- ALL FITTINGS SHALL BE CAST IRON OR DUCTILE IRON, MECHANICAL JOINT, CLASS 250 AND CONFORM TO ANSI/AWWA C110/A21.10-87 OR LATEST REVISION FOR DUCTILE AND GRAY IRON FITTINGS OR ANSI/AWWA C153/A21.53-94 OR LATEST REVISION FOR DUCTILE IRON COMPACT FITTINGS.
- ALL VALVES SHALL BE RESILIENT WEDGE, MECHANICAL JOINT GATE VALVES CONFORMING TO ANSI/AWWA C509 OR LATEST REVISION SUCH AS MUELLER A-2360-23 OR APPROVED EQUAL. ALL GATE VALVES SHALL OPEN LEFT (COUNTER CLOCKWISE).
- TAPPING SLEEVE SHALL BE MECHANICAL JOINT SUCH AS MUELLER H-615 OR EQUAL. TAPPING VALVE SHALL BE RESILIENT WEDGE GATE VALVE CONFORMING TO ANSI/AWWA C509 SUCH AS MUELLER MODEL T-2360-19 OR APPROVED EQUAL. ALL TAPPING SLEEVES AND VALVES SHALL BE TESTED TO 150 PSI MINIMUM. TESTING OF THE TAPPING SLEEVE AND VALVE MUST BE WITNESSED AND ACCEPTED BY THE TOWN OF NEWBURGH WATER DEPARTMENT PRIOR TO CUTTING INTO THE PIPE.
- ALL WATER SERVICE LINES TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING. CORPORATION STOPS SHALL BE MUELLER H-15020 FOR 3/4 AND 1 INCH SIZES, AND MUELLER H-15000 OR B-25000 FOR 1-1/2 OR 2 INCH SIZES. CURB VALVES SHALL BE MUELLER H-1501-2 FOR 3/4 AND 1 INCH SIZES, AND MUELLER B-25204 FOR 1-1/2 AND 2 INCH SIZES. CURB BOXES SHALL BE MUELLER H-10312 FOR 3/4 AND 1 INCH SIZES, AND MUELLER H-10310 FOR 1-1/2 AND 2 INCH SIZES.
- ALL PIPE INSTALLATION SHALL BE SUBJECT TO INSPECTION BY THE TOWN OF NEWBURGH WATER DEPARTMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INSPECTIONS AS REQUIRED WITH THE TOWN OF NEWBURGH WATER DEPARTMENT.
- THE WATER MAIN SHALL BE TESTED, DISINFECTED AND FLUSHED IN ACCORDANCE WITH THE TOWN OF NEWBURGH REQUIREMENTS. ALL TESTING, DISINFECTION AND FLUSHING SHALL BE COORDINATED WITH THE TOWN OF NEWBURGH WATER DEPARTMENT. PRIOR TO PUTTING THE WATER MAIN IN SERVICE, SATISFACTORY SANITARY RESULTS FROM A CERTIFIED LAB MUST BE SUBMITTED TO THE TOWN OF NEWBURGH WATER DEPARTMENT. THE TEST SAMPLES MUST BE COLLECTED BY A REPRESENTATIVE OF THE TESTING LABORATORY AND WITNESSED BY THE WATER DEPARTMENT.
- THRUST RESTRAINT SHALL BE PROVIDED BY THE RODS AND RETAINER GLANDS. THE LENGTH OF RESTRAINED PIPE SHALL BE DETERMINED BASED UPON WORKING PRESSURES, SOIL CONDITIONS AND DEPTH OF BURY ACCORDING TO DIPPA STANDARDS.
- PRESSURE AND LEAKAGE TESTS ARE REQUIRED AND SHALL BE DONE IN ACCORDANCE WITH AWWA C-600 STANDARDS.
- DISINFECTION OF ALL NEW WORK SHALL BE DONE IN ACCORDANCE WITH AWWA C-651 - YEAR OF LATEST REVISION STANDARDS.
- ALL WATER MAINS SHALL BE 8", CLASS 52, DUCTILE IRON PIPE UNLESS OTHERWISE NOTED.

**WATER AND SEWER DETAILS**  
**JPJR HOLDINGS, LLC**

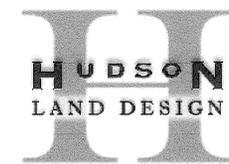
NORTH PLANK ROAD (NYS RTE 52), CHESTNUT LANE & ROCKWOOD DRIVE  
TOWN OF NEWBURGH  
ORANGE COUNTY, NEW YORK  
TAX ID: 75-1-36.2  
SCALE: AS NOTED  
MAY 1, 2011

**OWNER'S CONSENT:**

THE UNDERSIGNED OWNER OF THE PROPERTY HEREON STATES THAT HE IS FAMILIAR WITH THIS MAP, ITS CONTENTS AND ITS LEGENDS AND HEREBY CONSENTS TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON AND TO THE FILING OF THE PLAN IN THE OFFICE OF THE CLERK OF THE COUNTY OF ORANGE.

JOHN PAGE JR. DATE

DRAWN BY: DKG	CHECKED BY: JDB	JOB NO.: 2010-028	
REVISIONS:			
NO.	DATE	DESCRIPTION	BY



HUDSON LAND DESIGN  
PROFESSIONAL ENGINEERING P.C.  
174 MAIN STREET  
BEACON, NEW YORK 12508  
PH: 845-440-6926 F: 845-440-6637



SEAL  
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