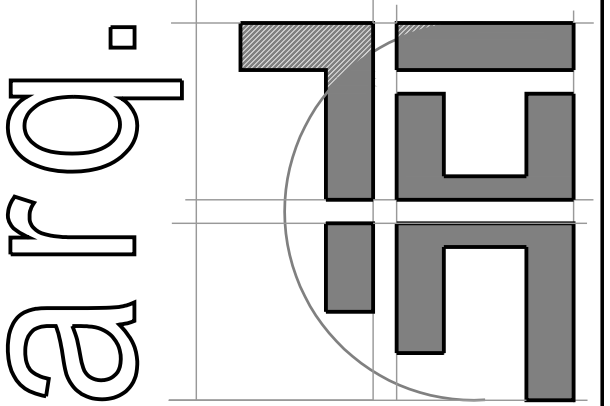


RINALDI PROPERTY SUBDIVISION
39 STORMYTOWN ROAD
OSSINING, NEW YORK 10562



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PHONE: (914) 944-3377 FAX (866) 567-6240

JORGE B. HERNANDEZ R.A. A.I.A.
 LICENSE NUMBER: 030424-1
 CERTIFICATE NUMBER : 9697857
 31 EASTVIEW DRIVE
 NEW FAIRFIELD, CONNECTICUT 06812-000

[illegible]

DRAWING TITLE:

TITLE SHEET

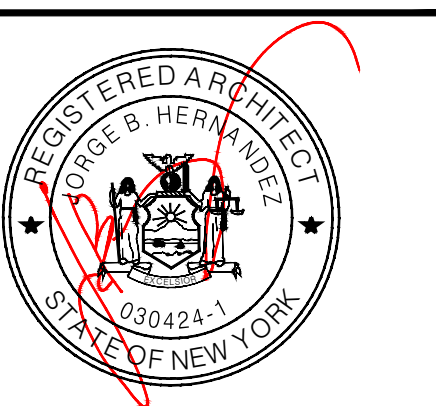
PROJECT:
RINALDI PROPERTY
SUBDIVISION

PROJECT ADDRESS:
39 STORMYTOWN RD.
OSSINING,
N.Y. 10562

DOB EXAMINER SIGNATURE:

DOB BSCAN STICKER:

SEAL & SIGNATURE



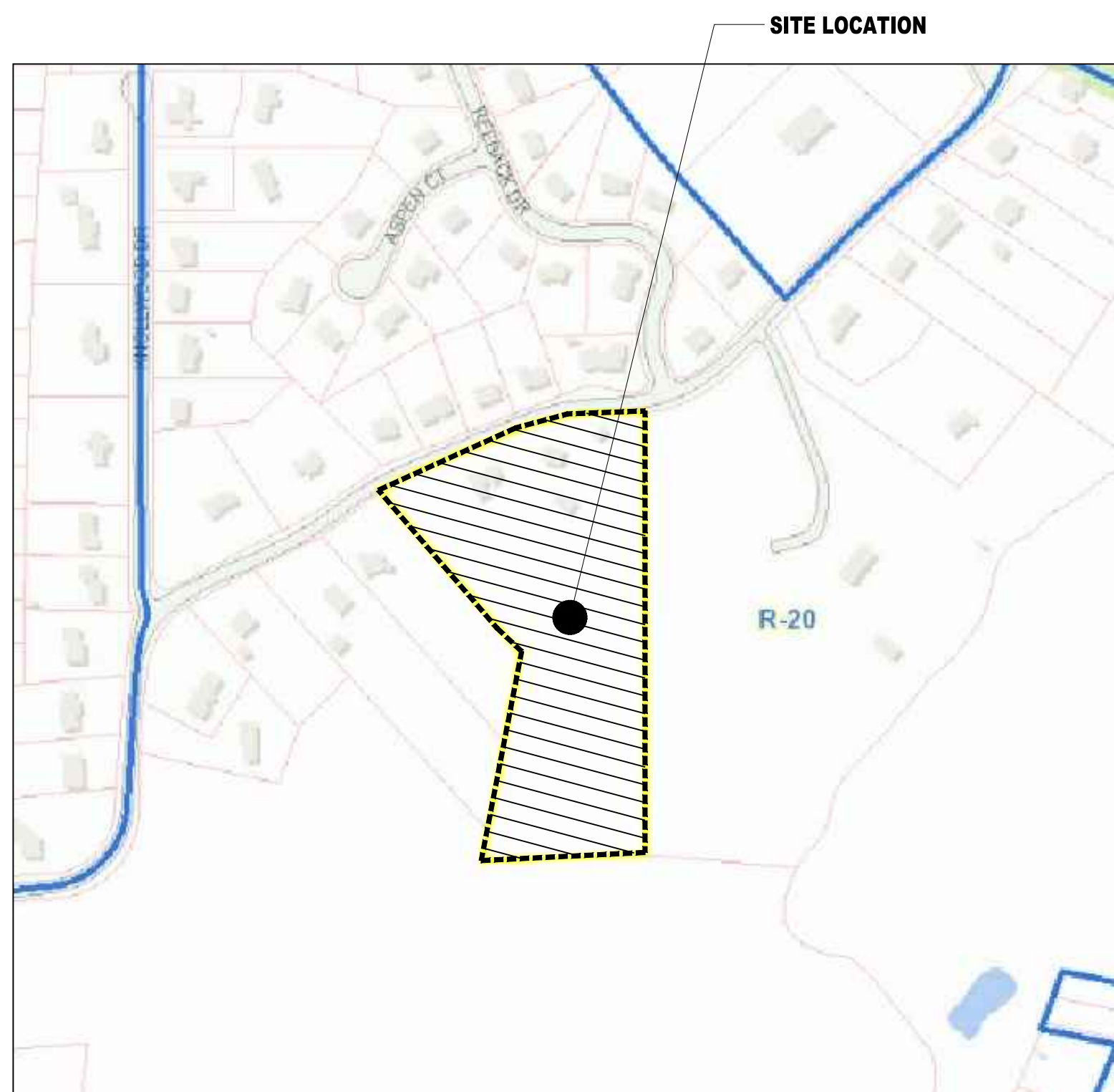
DATE: 11/07/2018
PROJECT NO.: 18057

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ARQ	CAD FILE NO.:
CHECKED BY:	1 OF 16
JUL	

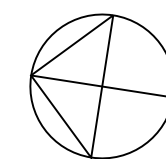


N.T.S.

LOCATION MAP



N.T.S



EXISTING SUBDIVISION PLAN

1°=50'-C

GENERAL NOTES

CODES: ALL WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE RULES, REGULATIONS AND CODES OF AGENCIES HAVING JURISDICTION. ABSENT OTHER STANDARDS 2016 NYS UNIFORM CODE SUPPLEMENT IN CONNECTION WITH THE 2016 IRC AND THE 2016 NYS ENERGY SUPPLEMENT.

VERIFICATION: VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE. REPORT DIFFERENCES FROM CONSTRUCTION DOCUMENTS TO OWNER AND ARCHITECT. CLAIMS FOR EXTRA PAYMENTS RESULTING FROM CONTRACTOR'S FAILURE TO DO SO WILL NOT BE APPROVED. ARCHITECT SHALL DECIDE ANY NECESSARY ADJUSTMENTS BETWEEN FIELD MEASUREMENTS AND DRAWINGS. A PRECONSTRUCTION MEETING SHALL BE SCHEDULED ON THE SITE WITH THE PROJECT MANAGER, OWNER, ARCHITECT, PRIOR TO THE COMMENCEMENT OF WORK. CONFIRM ALL SITE AND FOUNDATION DIMENSIONS WITH MODULAR PLANS PRIOR TO CONSTRUCTION.

DRAWINGS: BY SUBMITTING A BID OR STARTING WORK, CONTRACTOR AGREES THAT HE HAS EXAMINED THE DRAWINGS AND SPECIFICATIONS AND FOUND THEM ADEQUATE FOR PROPER COMPLETION OF PROJECT. CLAIMS FOR EXTRA CHARGES BECAUSE OF ALLEGED INADEQUATE DRAWINGS OR SPECIFICATIONS WILL NOT BE ALLOWED UNLESS NOTIFICATION WAS MADE IN WRITING TO ARCHITECT PRIOR TO SUBMISSION OR BEGINNING OF CONSTRUCTION.

CONTRACTS: AIA DOCUMENTS 1913 AND 1915, STANDARD FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR, AND GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION-1993 SMALL PROJECTS EDITIONS. UTILITIES: CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REQUEST FOR A CODE 53 UNDERGROUND UTILITY STAKE-OUT, +800-962-7562. CONTRACTOR WILL CONTACT THE UNDERGROUND LINES LOCATION SERVICES (CODE 753) PRIOR TO COMMENCING CONSTRUCTION.

USE OF PREMISES: CONTRACTOR SHALL STORE MATERIALS, DISPOSE OF DEBRIS, COORDINATE AND SCHEDULE ALL WORK IN COOPERATION WITH OWNER FOR MINIMUM DISRUPTION. MAINTAIN SAFE ACCESS TO ALL AREAS AT ALL TIMES.

PERMITS: OWNER SHALL SECURE AND PAY FOR ALL PERMITS, TESTS AND CERTIFICATES REQUIRED. ELECTRICAL AND PLUMBING CONTRACTORS SHALL APPLY FOR AND PAY FOR INDIVIDUAL PERMITS, INSPECTIONS AND APPROVALS AS REQUIRED, KEEP APPROVED PERMIT DRAWINGS ON JOB SITE.

CONTRACTOR WILL OBTAIN ALL NECESSARY PERMITS IF BLASTING IS REQUIRED.

LICENSE: CONTRACTOR MUST BE LICENSED BY WESTCHESTER COUNTY AND PROVIDE OWNER AND BUILDING DEPARTMENT A COPY OF CERTIFICATE NUMBER.

INSURANCE: PRIOR TO STARTING WORK, CONTRACTOR SHALL SUPPLY OWNER AND BUILDING DEPARTMENT WITH CERTIFICATES OF WORKMENS COMPENSATION INSURANCE, LIABILITY INSURANCE FOR BODILY INJURY, PROPERTY DAMAGE, AUTOMOTIVE AND OTHER INSURANCES REQUIRED BY LAW OR BY OWNER IN THE AMOUNTS AND TERMS SATISFACTORY TO THE OWNER TO RENDER THE OWNER HARMLESS IN CASE OF ACCIDENT TO PERSONS OR PROPERTY INVOLVED IN THIS PROJECT. MAINTAIN SUCH INSURANCE IN FULL FORCE DURING ENTIRE TIME OF CONSTRUCTION.

LATENT DEFECTS: NO RESPONSIBILITY IS ASSUMED BY ARCHITECT FOR INFORMATION SUPPLIED BY OTHERS AND RELIED UPON BY ARCHITECT TO BE ACCURATE FOR LATENT DEFECTS IN STRUCTURE IMPOSSIBLE TO DETECT WITHOUT SUBSTANTIAL PROBING OR TESTING.

SUPERVISION: ARCHITECT HAS NOT BEEN RETAINED BY THE OWNER TO PROVIDE OBSERVATION AND SUPERVISION OF CONSTRUCTION OPERATIONS AND CERTIFICATION OF PAYMENTS.

DEMOLITION:
PRIOR TO DEMOLITION COORDINATE AND STAKEOUT EXISTING UTILITIES AS REQUIRED. COORDINATE SHUT OFF AND REMOVALS WITH UTILITY COMPANIES.

1. CLEAR SITE AS REQUIRED.

2. REMOVE ALL DEBRIS FROM SITE TO A LEGAL DISPOSAL FACILITY. CONTRACTOR SHALL PAY FOR ALL NECESSARY DUMPSTERS AND CARTING FEES.

COOPERATION: CONTRACTORS AND SUBCONTRACTORS SHALL COORDINATE THEIR WORK WITH ADJACENT WORK AND COOPERATE WITH OTHER TRADES TO FACILITATE PROGRESS OF WORK. EACH TRADE SHALL AFFORD OTHER TRADES REASONABLE OPPORTUNITY FOR INSTALLATION OF THEIR WORK AND FOR TEMPORARY STORAGE OF THEIR TOOLS AND MATERIALS.

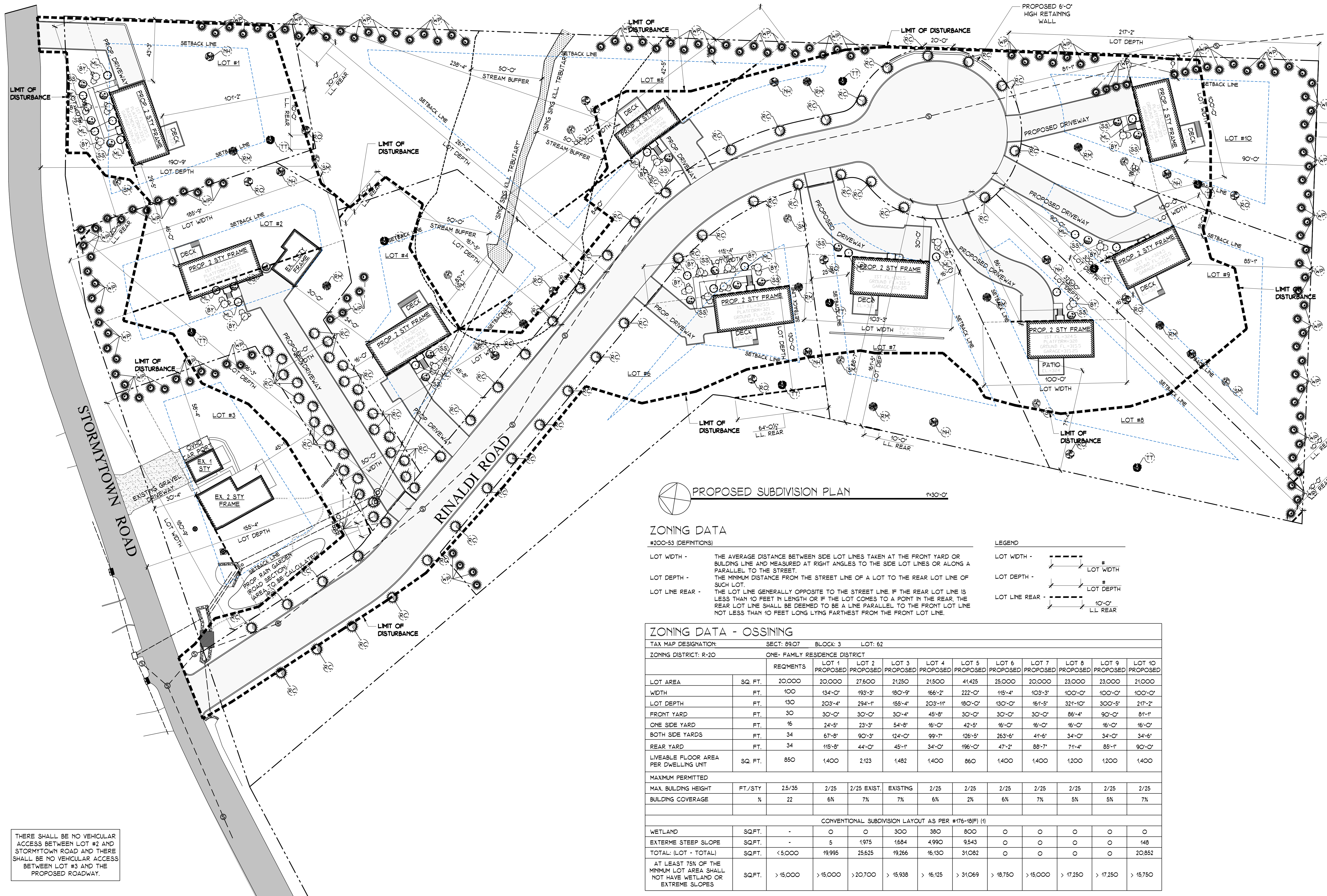
LANDSCAPE: ALL LAWN AREAS DAMAGED BY NEW CONSTRUCTION OR CONSTRUCTION OPERATIONS SHALL BE REPLACED AS ORIGINAL. LAWNS MAY BE SODDED OR SEEDED WITH BLUEGRASS AND/OR RYEGRASS TO ESTABLISH 98% OR BETTER COVER. REVIEW TREES AND SHRUB REMOVAL REQUIRED FOR CONSTRUCTION WITH OWNER PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TYING UP PLANT MATERIAL IN THE WAY OF SITE ACCESS PRIOR TO CONSTRUCTION.

SEMENTAL EROSION CONTROL: SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN EACH AREA BEFORE ANY DEMOLITION AND ANY SUBSTANTIAL AMOUNT OF SITE PREPARATION. CLEARING AND EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE WESTCHESTER COUNTY PUBLICATION BEST MANAGEMENT PRACTICES MANUAL-CONSTRUCTION RELATED ACTIVITIES, LATEST EDITION. ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A DAILY BASIS TO ENSURE THEIR PROPERLY FUNCTIONING.

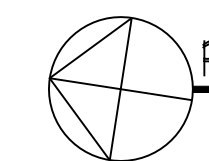
EROSION BLANKET SHALL BE WENCO TEX EROSION CONTROL MATS 6.3MM WT 400P OR EQUAL APPROVED. INSTALL AS PER MANUFACTURER SPECS

DRAWING LIST

T-1 TITLE SHEET
S-1 PROPOSED SITE PLAN & ZONING DATA
S-2 PROPOSED STEEP SLOPE PLAN, LEGEND AND ANALYSIS TABLE
S-3 PROPOSED LANDSCAPING PLAN, IMAGES, LEGENDS, NOTE AND DETAILS
S-4 EXISTING TREE LIST
OF 1 - PRE-DEVELOPMENT PLAN BY FUSION ENGINEERING DATED 4-22-2019
OF 2 - POST-DEVELOPMENT PLAN BY FUSION ENGINEERING DATED 4-19-2019
OF 1 - SIGHT DISTANCE PLAN BY FUSION ENGINEERING DATED 4-19-2019
OF 1 - FIRE HYDRANT PLAN BY FUSION ENGINEERING DATED 11-07-19
OF 7 - ROAD GEOMETRY AND EASEMENTS BY FUSION ENGINEERING DATED 4-19-2019
OF 2 - GRADING PLAN BY FUSION ENGINEERING DATED 4-19-2019
OF 7 - DRIVEWAY AND ROAD PROFILES BY FUSION ENGINEERING DATED 4-19-2019
OF 7 - WATER MAIN AND SEWER PROFILES BY FUSION ENGINEERING DATED 4-19-2019
OF 6 - DRAINAGE PLAN BY FUSION ENGINEERING DATED 4-19-2019
OF 6 - DETAILS-1 BY FUSION ENGINEERING DATED 4-19-2019
OF 7 - DETAILS-2 PLAN BY FUSION ENGINEERING DATED 4-19-2019



THERE SHALL BE NO VEHICULAR ACCESS BETWEEN LOT #2 AND STORMTOWN ROAD AND THERE SHALL BE NO VEHICULAR ACCESS BETWEEN LOT #3 AND THE PROPOSED ROADWAY.



PROPOSED SUBDIVISION PLAN

ZONING DATA

#200-53 (DEFINITIONS)

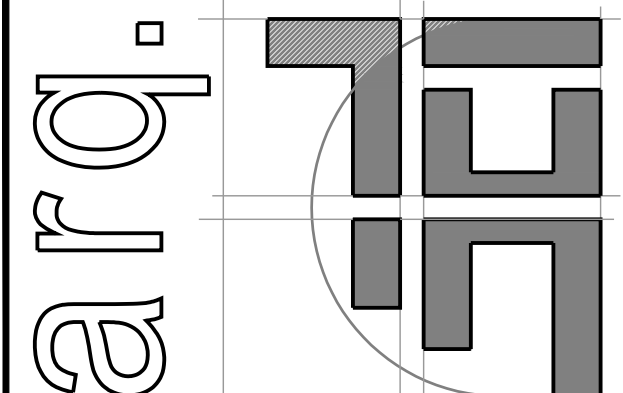
- LOT WIDTH - THE AVERAGE DISTANCE BETWEEN SIDE LOT LINES TAKEN AT THE FRONT YARD OR BUILDING LINE AND MEASURED AT RIGHT ANGLES TO THE SIDE LOT LINES OR ALONG A PARALLEL TO THE STREET.
- LOT DEPTH - THE MINIMUM DISTANCE FROM THE STREET LINE OF A LOT TO THE REAR LOT LINE OF SUCH LOT.
- LOT LINE REAR - THE LOT LINE GENERALLY OPPOSITE TO THE STREET LINE. IF THE REAR LOT LINE IS LESS THAN 10 FEET IN LENGTH OR IF THE LOT COMES TO A POINT IN THE REAR, THE REAR LOT LINE SHALL BE DEEMED TO BE A LINE PARALLEL TO THE FRONT LOT LINE NOT LESS THAN 10 FEET LONG LYING FARTHEST FROM THE FRONT LOT LINE.

LEGEND

- LOT WIDTH - [Symbol] # LOT WIDTH
- LOT DEPTH - [Symbol] # LOT DEPTH
- LOT LINE REAR - [Symbol] 10'-0" LL REAR

ZONING DATA - OSSING

TAX MAP DESIGNATION:		SECT: 89.07		BLOCK: 3		LOT: 62						
ZONING DISTRICT: R-20		ONE- FAMILY RESIDENCE DISTRICT										
		REQMENTS	LOT 1 PROPOSED	LOT 2 PROPOSED	LOT 3 PROPOSED	LOT 4 PROPOSED	LOT 5 PROPOSED	LOT 6 PROPOSED	LOT 7 PROPOSED	LOT 8 PROPOSED	LOT 9 PROPOSED	LOT 10 PROPOSED
LOT AREA	SQ. FT.	20,000	20,000	27,600	21,250	21,500	41,425	25,000	20,000	23,000	23,000	21,000
WIDTH	FT.	100	134'-0"	193'-3"	180'-9"	166'-2"	222'-0"	115'-4"	103'-3"	100'-0"	100'-0"	100'-0"
LOT DEPTH	FT.	130	203'-4"	294'-1"	155'-4"	203'-11"	180'-0"	130'-0"	161'-5"	321'-10"	300'-5"	217'-2"
FRONT YARD	FT.	30	30'-0"	30'-0"	30'-4"	45'-8"	30'-0"	30'-0"	30'-0"	86'-4"	90'-0"	81'-1"
ONE SIDE YARD	FT.	16	24'-5"	23'-3"	54'-8"	16'-0"	42'-5"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"
BOTH SIDE YARDS	FT.	34	67'-8"	90'-3"	124'-0"	99'-7"	126'-5"	263'-6"	41'-6"	34'-0"	34'-0"	34'-6"
REAR YARD	FT.	34	115'-8"	44'-0"	45'-1"	34'-0"	196'-0"	47'-2"	88'-7"	71'-4"	85'-1"	90'-0"
LIVEABLE FLOOR AREA PER DWELLING UNIT	SQ. FT.	850	1,400	2,123	1,482	1,400	860	1,400	1,400	1,200	1,200	1,400
MAXIMUM PERMITTED												
MAX. BUILDING HEIGHT	FT./STY	2.5/35	2/25	2/25 EXIST.	EXISTING	2/25	2/25	2/25	2/25	2/25	2/25	2/25
BUILDING COVERAGE	%	22	6%	7%	7%	6%	2%	6%	7%	5%	5%	7%
CONVENTIONAL SUBDIVISION LAYOUT AS PER #176-18(F) (1)												
WETLAND	SQ.FT.	-	0	0	300	380	800	0	0	0	0	0
EXTREME STEEP SLOPE	SQ.FT.	-	5	1975	1684	4990	9543	0	0	0	0	148
TOTAL: (LOT - TOTAL)	SQ.FT.	<5,000	19,995	25,625	19,266	16,130	31,082	0	0	0	0	20,852
AT LEAST 75% OF THE MINIMUM LOT AREA SHALL NOT HAVE WETLAND OR EXTREME SLOPES	SQ.FT.	> 15,000	> 15,000	>20,700	> 15,938	> 16,125	> 31,069	> 18,750	> 15,000	> 17,250	> 17,250	> 15,750



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JORGE B. HERNANDEZ R.A. A.I.A.
LICENSE NUMBER: 030424-1
CERTIFICATE NUMBER: 9697857
31 EASTVIEW DRIVE
NEW FAIRFIELD, CONNECTICUT 06812-000

REVISIONS	DATE	BY
PB COMMENTS	5/16/2018	JBH
ZONING COMPLIANCE	12/14/2018	JBH
COORDINATION	1/25/2019	ARQ.
COORDINATION	4/17/2019	ARQ.
COORDINATION	5/9/2019	ARQ.
REVISION P.B.	6/10/2019	ARQ.
REVISION P.B.	6/18/2019	ARQ.
REVISION P.B.	7/08/2019	ARQ.
REVISION P.B.	7/18/2019	ARQ.

DRAWING TITLE:
PROPOSED SITE PLAN &
ZONING DATA

PROJECT:
RINALDI PROPERTY
SUBDIVISION

PROJECT ADDRESS:
39 STORMTOWN RD.
OSSING,
N.Y. 10562

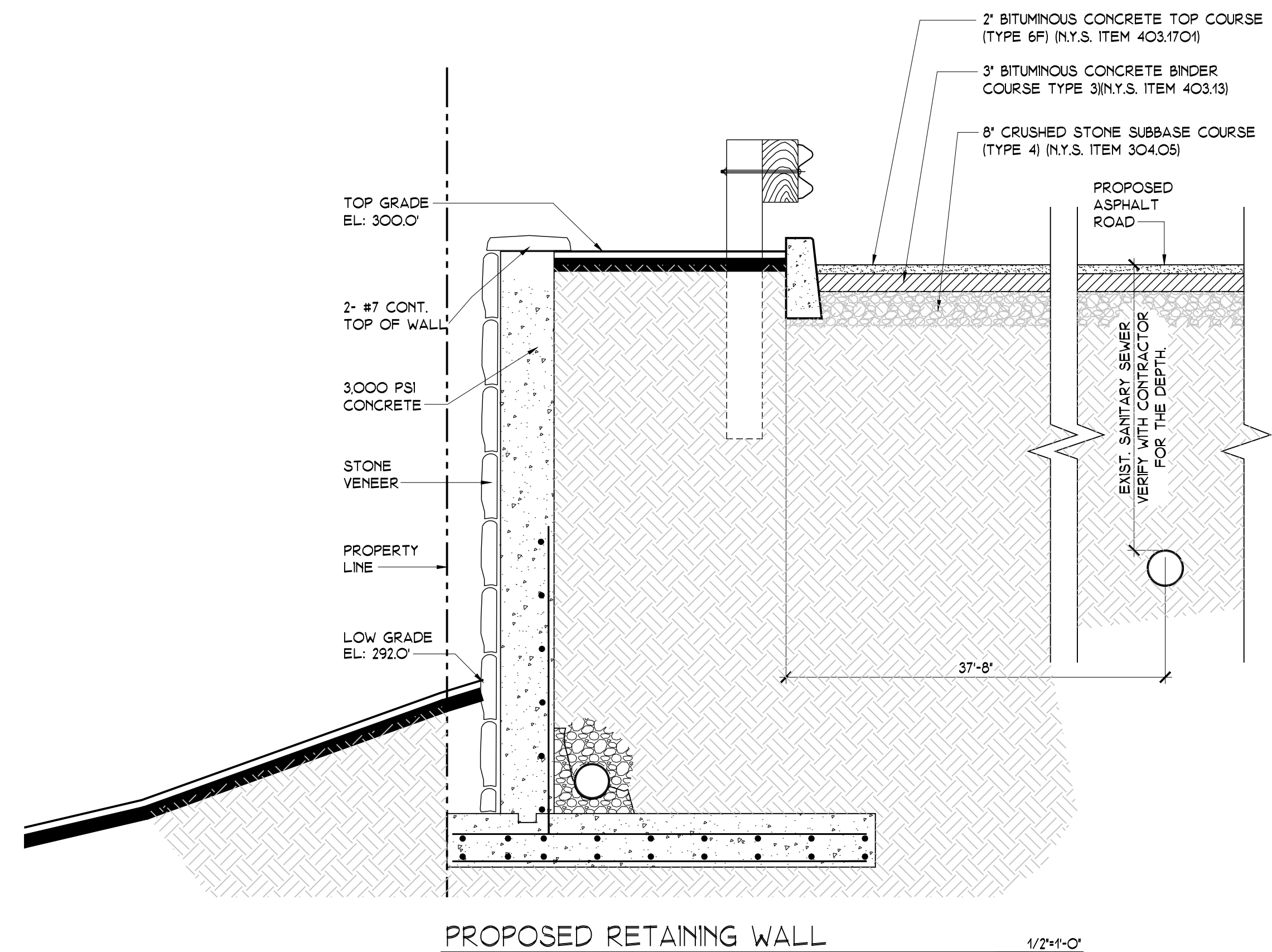
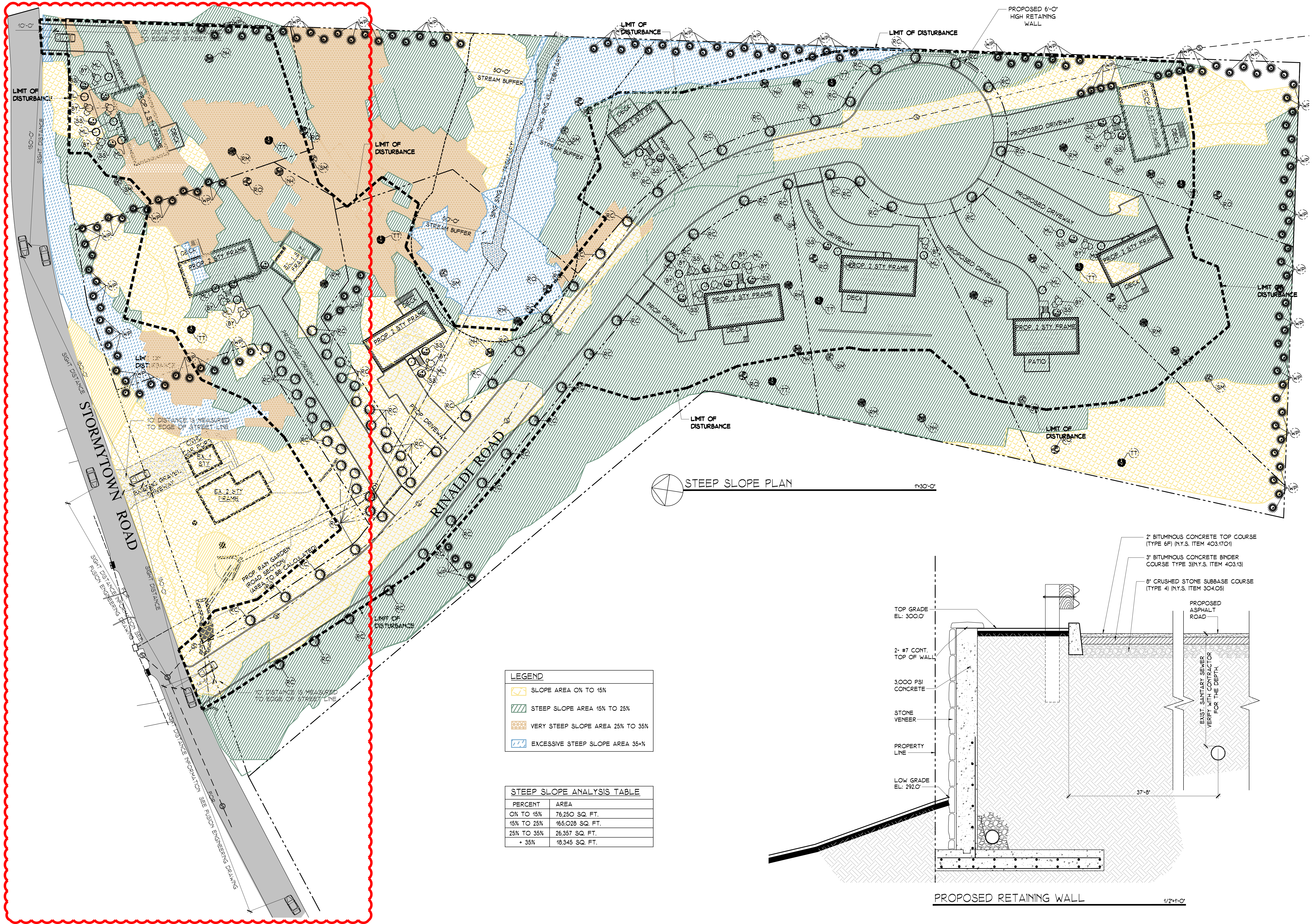
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DOB BSCAN STICKER:

SEAL & SIGNATURE



DATE: 11/07/2018
PROJECT NO: 18087
DRAWN BY: ARQ
CHECKED BY: JBH
DWG. NO: S-1
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REVISION P.B.	7/08/2019	ARQ.
REVISION P.B.	7/18/2019	ARQ.

DRAWING TITLE:
PROPOSED STEEP SLOPE
PLAN, LEGEND AND ANALYSIS
TABLE

PROJECT:
RINALDI PROPERTY
SUBDIVISION

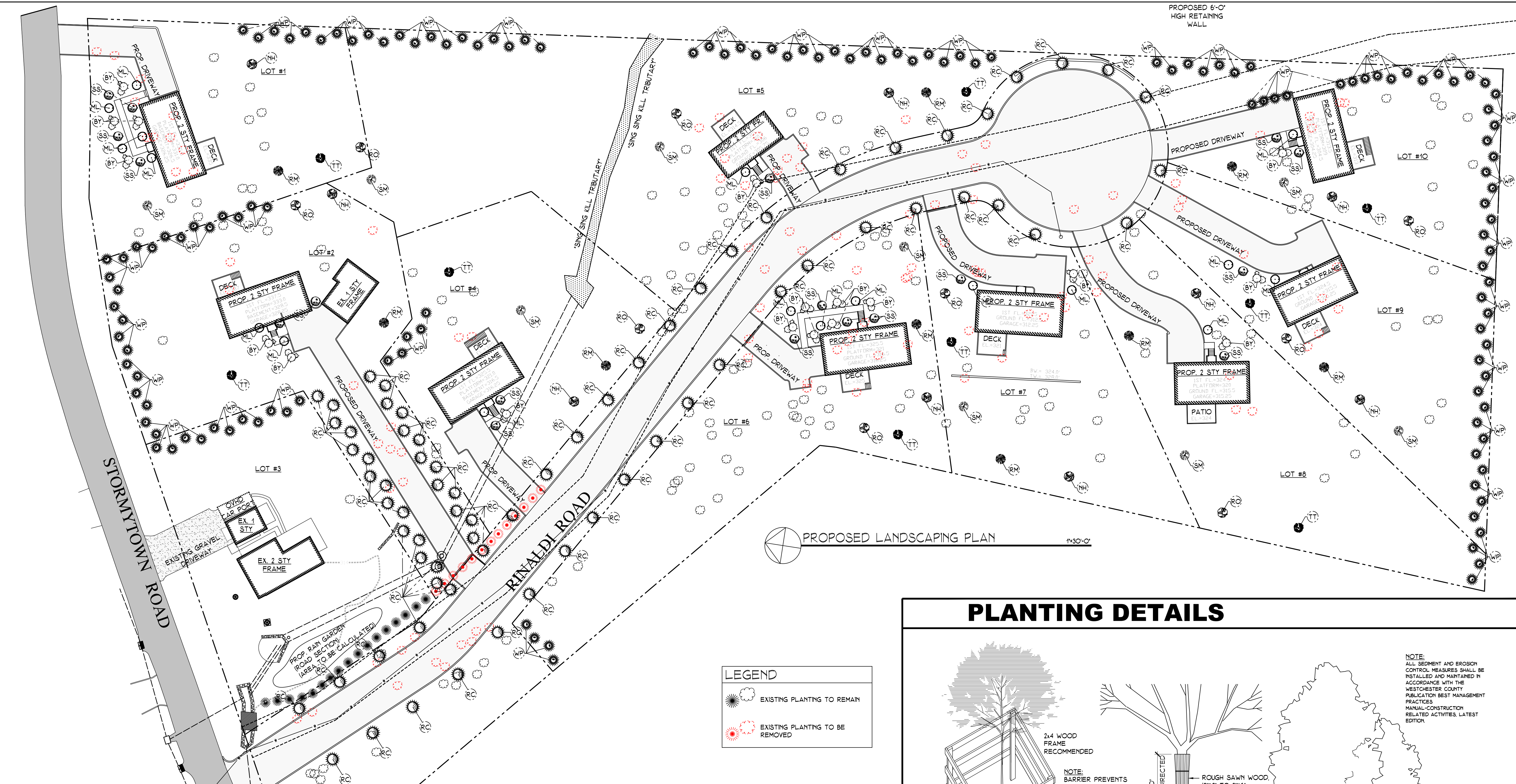
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39 STORMYTOWN RD.
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N.Y. 10562

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DOB BSCAN STICKER:

SEAL & SIGNATURE:

DATE: 11/07/2018	DWG. NO: S-2
PROJECT NO: 18087	
DRAWING BY: ARQ	CAD FILE NO:
CHECKED BY: JBH	3 OF 16



LEGEND

EXISTING PLANTING TO REMAIN

EXISTING PLANTING TO BE REMOVED

PLANTING IMAGES, LEGENDS & NOTE

RED MAPLE

SUGAR MAPLE

NORTHERN HACKBERRY

EASTERN RED CEDAR

TULIP TREE

WHITE PINE

NORTHERN RED OAK

MOUNTAIN LAUREL

BAYBERRY

SMOOTH SUMAC

PROPOSED PLANTING LEGEND					
SYM.	KEY	SCIENTIFIC NAME	COMMON NAME	QTY.	SIZE
RM	ACER RUBRUM	RED MAPLE x	37	4" DIA.	
SM	ACER SACCHARUM	SUGAR MAPLE x	9	4" DIA.	
NH	CELTIS OCCIDENTALIS	NORTHERN HACKBERRY x	9	4" DIA.	
RC	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR x	47	3" DIA.	
TT	LIRIODENDRON TUPIFERA	TULIP TREE x	9	4" DIA.	
WP	PINUS STROBUS	WHITE PINE x	140	3" DIA.	
RO	QUERCUS RUBRA	NORTHERN RED OAK x	9	4" DIA.	
ML	KALMIA LATIFOLIA	MOUNTAIN LAUREL x	16		
BY	MORELLA CAROLINIENSIS	BAYBERRY x	16		
SS	RHUS GLABRA	SMOOTH SUMAC x	16		

REPLACEMENT TREES REQUIREMENT

EXISTING TREES TOTAL = 281
EXISTING TREES TO REMAIN = 160
EXISTING TREES TO BE REMOVED = 121

SECTION 183-12(G) MINIMUM REQUIREMENT OF THE REPLACEMENT OF 50 PERCENT OF THE TOTAL AGGREGATE DIAMETER OF TREES PROPOSED FOR REMOVAL, WITH NEW TREES IN ACCORDANCE WITH A PLAN FOR TREE REPLACEMENT.

TOTAL AGGREGATE DIAMETER OF TREE REMOVAL = 1453"
MINIMUM REQUIREMENT OF TREE REPLACEMENT = 50%
TOTAL REQUIRED DIAM. OF TREE REPLACEMENT = 724"
PROPOSED TREE REPLACEMENT DIAM. = 791"

x RECOMMENDED WESTCHESTER COUNTY NATIVE PLANTS BY NEW YORK FLORA ATLAS.

PLANTING DETAILS

TREE PROTECTION DETAILS

NOTE: ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE WESTCHESTER COUNTY PUBLICATION BEST MANAGEMENT PRACTICES MANUAL-CONSTRUCTION RELATED ACTIVITIES, LATEST EDITION.

2x4 WOOD FRAME RECOMMENDED

NOTE: BARRIER PREVENTS COMPACTION OF SOIL AROUND ROOTS BY CONSTRUCTION EQUIPMENT

INDIVIDUAL TREE ARMOR TYPE

GROUP TREE PROTECTION

PRESERVED AREA

4" HIGH SNOW FENCE CONSTRUCTION AREA

CONFEROUS TREE

DECIDUOUS TREE

SHRUB

PLANTING DETAIL

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DRAWING TITLE:
PROPOSED LANDSCAPING
PLAN, IMAGES, LEGENDS,
NOTE AND DETAILS

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SUBDIVISION

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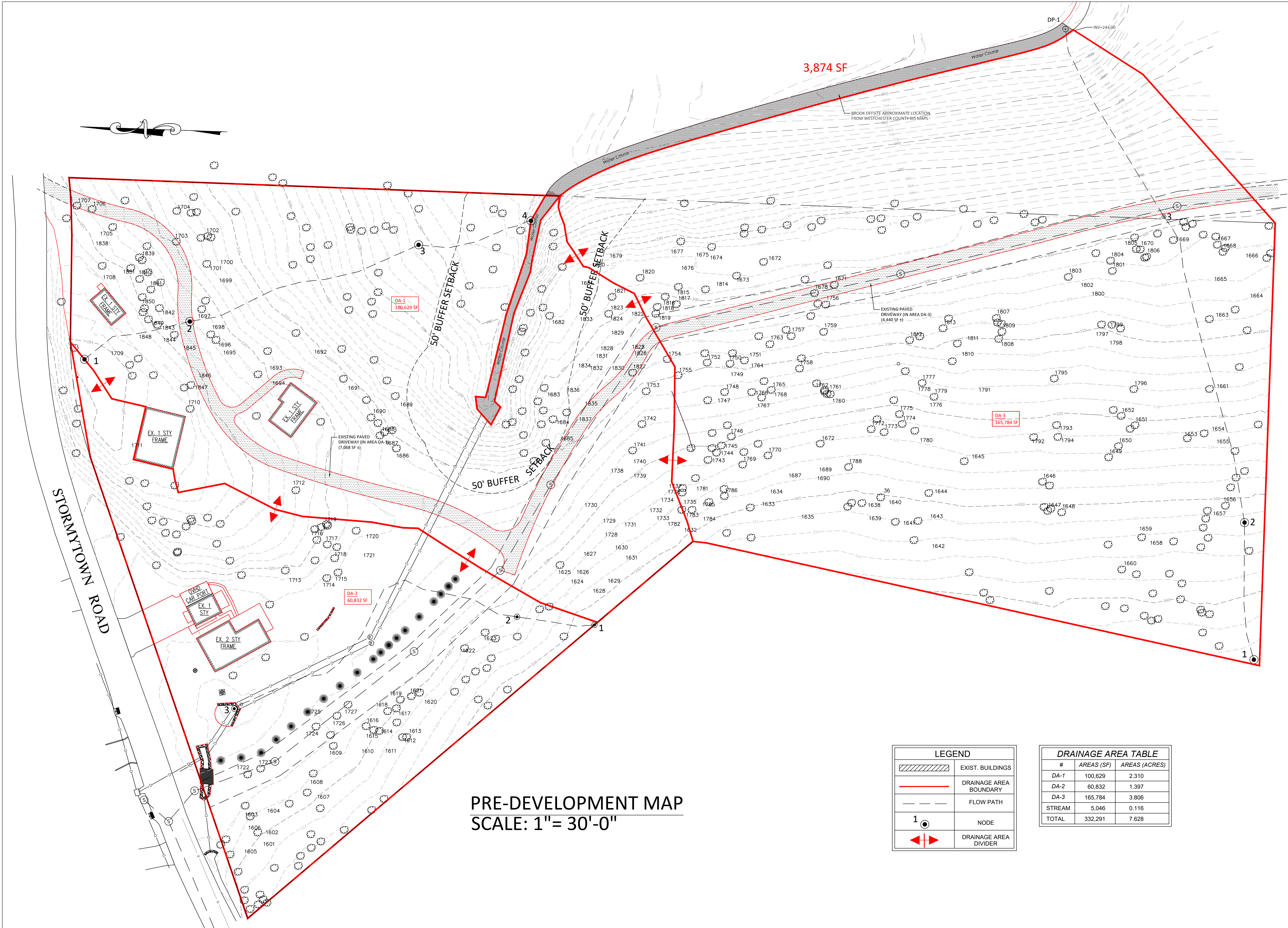
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SEAL & SIGNATURE:

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11/07/2018
PROJECT NO:
18057
DRAWING BY:
ARQ
CHECKED BY:
JBH

DWG. NO.:
S-3
CAD FILE NO:
4 OF 16

Tree ID:	Common Name	Conditions	Tree Note:	Genus	Species	Latitude	Longitude	DBH 1	DBH 2	DBH 3	DBH Height
1601	Locust-Black	Fair		Robinia	pseudoacacia	41.180146952	-73.858797707	27.00	0.00	0.00	4.50
1602	Maple-Norway	Good		Acer	platanoides	41.180134175	-73.858736796	14.00	0.00	0.00	4.50
1603	Cherry	Poor		Prunus	sp	41.180151587	-73.858722955	26.00	0.00	0.00	4.50
1604	Oak-Northern Red	Fair		Quercus	rubra	41.180129850	-73.858711650	10.00	0.00	0.00	4.50
1605	Dogwood-Flowering	Poor		Cornus	florida	41.180154914	-73.858793133	6.00	0.00	0.00	4.50
1606	Ash-White	Poor		Fraxinus	americana	41.180144896	-73.858724296	12.00	0.00	0.00	4.50
1607	Spruce-Norway	Fair		Picea	abies	41.180040465	-73.858670958	14.00	0.00	0.00	4.50
1608	Spruce-Norway	Fair		Picea	abies	41.180049985	-73.858633668	22.00	0.00	0.00	4.50
1609	Locust-Black	Poor		Robinia	pseudoacacia	41.180007751	-73.858519885	26.00	0.00	0.00	4.50
1610	Cherry	Poor		Prunus	sp	41.179929533	-73.858513250	8.00	0.00	0.00	4.50
1611	Locust-Black	Fair		Robinia	pseudoacacia	41.179908039	-73.858515715	31.00	0.00	0.00	4.50
1612	Maple-Norway	Fair		Acer	platanoides	41.179872873	-73.858489434	9.00	0.00	0.00	4.50
1613	Maple-Norway	Fair		Acer	platanoides	41.179861711	-73.858462866	8.00	0.00	0.00	4.50
1614	Maple-Norway	Fair		Acer	platanoides	41.179905538	-73.858495022	8.00	0.00	0.00	4.50
1615	Maple-Norway	Fair		Acer	platanoides	41.179927979	-73.858474438	7.00	0.00	0.00	4.50
1616	Maple-Norway	Fair		Acer	platanoides	41.179943218	-73.858465000	8.00	0.00	0.00	4.50
1617	Maple-Norway	Fair		Acer	platanoides	41.179893787	-73.858415705	9.00	0.00	0.00	4.50
1618	Maple-Norway	Fair		Acer	platanoides	41.179901046	-73.858423797	6.00	0.00	0.00	4.50
1619	Maple-Norway	Fair		Acer	platanoides	41.179876472	-73.858392566	8.00	0.00	0.00	4.50
1620	Maple-Norway	Fair		Acer	platanoides	41.179824558	-73.858411188	16.00	0.00	0.00	4.50
1621	Maple-Norway	Fair		Acer	platanoides	41.179854610	-73.858382565	7.00	0.00	0.00	4.50
1622	Elm-American	Good		Ulmus	americana	41.179749796	-73.858276274	14.00	0.00	0.00	4.50
1623	Cherry	Fair		Prunus	sp	41.179706515	-73.858240421	10.00	0.00	0.00	4.50
1624	Tree of Heaven	Fair		Allanthus	altissima	41.179550402	-73.858063141	8.00	0.00	0.00	4.50
1625	Tree of Heaven	Fair		Allanthus	altissima	41.179545793	-73.858046262	10.00	0.00	0.00	4.50
1626	Tree of Heaven	Fair		Allanthus	altissima	41.179540372	-73.858040129	10.00	0.00	0.00	4.50
1627	Tree of Heaven	Fair		Allanthus	altissima	41.179520900	-73.858010528	8.00	0.00	0.00	4.50
1628	Tree of Heaven	Fair		Allanthus	altissima	41.179501267	-73.858105308	10.00	0.00	0.00	4.50
1629	Cherry	Poor		Prunus	sp	41.179471972	-73.858077625	8.00	0.00	0.00	4.50
1630	Locust-Black	Fair		Robinia	pseudoacacia	41.179458868	-73.857989597	21.00	0.00	0.00	4.50
1631	Cherry	Fair		Prunus	sp	41.179437416	-73.858015244	12.00	0.00	0.00	4.50
1632	Maple-Sugar	Good		Acer	saccharum	41.17932834	-73.857928224	16.00	0.00	0.00	4.50
1633	Cherry	Fair		Prunus	sp	41.179166089	-73.857863621	9.00	0.00	0.00	4.50
1634	Locust-Black	Poor	uprooted leaning into other trees	Robinia	pseudoacacia	41.179150846	-73.857830097	28.00	0.00	0.00	4.50
1635	Tree of Heaven	Fair		Allanthus	altissima	41.179086825	-73.857894501	8.00	0.00	0.00	4.50
1636	Locust-Black	Poor	leaning into other tree remove	Robinia	pseudoacacia	41.178923400	-73.857819432	22.00	0.00	0.00	4.50
1637	Ash-White	Poor		Fraxinus	americana	41.178953980	-73.857859312	17.00	0.00	0.00	4.50
1638	Locust-Black	Poor	leaning into other tree remove	Robinia	pseudoacacia	41.178954102	-73.857848199	23.00	0.00	0.00	4.50
1639	Locust-Black	Poor	tree leaning into this tree remove	Robinia	pseudoacacia	41.178960722	-73.857881871	23.00	0.00	0.00	4.50
1640	Locust-Black	Fair		Robinia	pseudoacacia	41.178912133	-73.857849910	26.00	0.00	0.00	4.50
1641	Maple-Sugar	Good		Acer	saccharum	41.178882091	-73.857903936	15.00	0.00	0.00	4.50
1642	Locust-Black	Poor		Robinia	pseudoacacia	41.178823195	-73.857962571	30.00	0.00	0.00	4.50
1643	Locust-Black	Poor		Robinia	pseudoacacia	41.178829773	-73.857878557	21.00	0.00	0.00	4.50
1644	Locust-Black	Fair		Robinia	pseudoacacia	41.178821062	-73.857817869	27.00	0.00	0.00	4.50
1645	Cherry	Fair		Prunus	sp	41.178751432	-73.857724106	13.00	0.00	0.00	4.50
1646	Maple-Norway	Poor		Acer	platanoides	41.178606493	-73.857768455	9.00	0.00	0.00	4.50
1647	Locust-Black	Poor		Robinia	pseudoacacia	41.178594483	-73.857845131	26.00	0.00	0.00	4.50
1648	Cherry	Fair		Prunus	sp	41.178566430	-73.857847745	11.00	0.00	0.00	4.50
1649	Maple-Norway	Fair		Acer	platanoides	41.178475655	-73.857698943	8.00	0.00	0.00	4.50
1650	Boxelder	Poor		Acer	negundo	41.178456793	-73.857668780	10.00	7.00	0.00	4.50
1651	Locust-Black	Poor		Robinia	pseudoacacia	41.178424989	-73.857612193	11.00	0.00	0.00	4.50
1652	Locust-Black	Fair		Robinia	pseudoacacia	41.178453083	-73.857585872	23.00	0.00	0.00	4.50
1653	Maple-Norway	Poor		Acer	platanoides	41.178326378	-73.857647763	14.00	0.00	0.00	4.50
1654	Oak-Northern Red	Fair		Quercus	rubra	41.178272207	-73.857631540	17.00	0.00	0.00	4.50
1655	Maple-Norway	Good		Acer	platanoides	41.178255426	-73.857628306	8.00	0.00	0.00	4.50
1656	Locust-Black	Poor		Robinia	pseudoacacia	41.178244926	-73.857817239	10.00	0.00	0.00	4.50
1657	Locust-Black	Poor		Robinia	pseudoacacia	41.178264903	-73.857855144	27.00	0.00	0.00	4.50
1658	Locust-Black	Poor		Robinia	pseudoacacia	41.178389523	-73.857937622	23.00	0.00	0.00	4.50
1659	Dogwood-Flowering	Poor		Cornus	florida	41.178410329	-73.857867874	5.00	4.00	0.00	4.50
1660	Locust-Black	Poor		Robinia	pseudoacacia	41.178440435	-73.857993657	25.00	0.00	0.00	4.50
1661	Maple-Norway	Fair		Acer	platanoides	41.178264708	-73.857516485	9.00	0.00	0.00	4.50
1662	Maple-Norway	Fair		Acer	platanoides	41.178257983	-73.857417828	6.00	0.00	0.00	4.50
1663	Maple-Silver	Poor		Acer	saccharinum	41.178270616	-73.857330973	8.00	0.00	0.00	4.50
1664	Maple-Silver	Poor		Acer	saccharinum	41.178202958	-73.857277853	18.00	17.00	15.00	4.50
1665	Hickory/Pecan	Good		Carya	sp	41.178278016	-73.857236376	9.00	0.00	0.00	4.50
1666	Ash-White	Poor		Fraxinus	americana	41.178185587	-73.857165677	31.00	0.00	0.00	4.50
1667	Oak-Northern Red	Fair		Quercus	rubra	41.178207077	-73.857129061	8.00	0.00	0.00	4.50
1668	Oak-Northern Red	Fair		Quercus	rubra	41.178259176	-73.857147495	26.00	0.00	0.00	4.50
1669	Walnut-Black	Poor		Juglans	nigra	41.178353588	-73.857136957	10.00	0.00	0.00	4.50
1670	Oak-Northern Red	Poor		Quercus	rubra	41.178424288	-73.857147340	10.00	0.00	0.00	4.50
1671	Locust-Black	Poor		Robinia	pseudoacacia	41.179033278	-73.857263773	26.00	0.00	0.00	4.50
1672	Locust-Black	Poor		Robinia	pseudoacacia	41.179170370	-73.857212871	16.00	0.00	0.00	4.50
1673	Cherry	Fair		Prunus	sp	41.179232443	-73.857273920	12.00	0.00	0.00	4.50
1674	Beech-American	Good		Fagus	grandifolia	41.179286717	-73.857217163	18.00	0.00	0.00	4.50
1675	Oak-Northern Red	Fair		Quercus	rubra	41.179314378	-73.857210618	8.00	0.00	0.00	4.50
1676	Walnut-Black	Poor		Juglans	nigra	41.179343222	-73.857246814	19.00	0.00	0.00	4.50
1677	Maple-Norway	Fair		Acer	platanoides	41.179365348	-73.857204332	10.00	0.00	0.00	4.50
1678	Cherry	Poor		Prunus	sp	41.179072376	-73.857287023	12.00	0.00	0.00	4.50
1679	Maple-Norway	Good		Acer	platanoides	41.179487053	-73.857219740	7.00	0.00	0.00	4.50
1680	Maple-Norway	Good		Acer	platanoides	41.179521276	-73.857244767	8.00	0.00	0.00	4.50
1681	Hickory/Pecan	Fair		Carya	sp	41.179542577	-73.857294156	20.00	0.00	0.00	4.50
1682	Hickory/Pecan	Fair		Carya	sp	41.179598304	-73.857399566	12.00	0.00	0.00	4.50
1683	Maple-Norway	Fair		Acer	platanoides	41.179603692	-73.857591561	14.00	0.00	0.00	4.50
1684	Maple-Silver	Fair		Acer	saccharinum	41.179583315	-73.857609021	18.00	0.00	0.00	4.50
1685	Maple-Silver	Poor		Acer	saccharinum	41.179574588	-73.857706641	19.00	0.00	0.00	4.50
1686	Maple-Norway	Poor	buried	Acer	platanoides	41.179898421	-73.857287771	7.00	0.00	0.00	4.50
1687	Maple-Sugar	Poor		Acer	saccharum	41.179820128	-73.857731952	17.00	0.00	0.00	4.50
1688	Maple-Sugar	Poor		Acer	saccharum	41.179831981	-73.857695571	10.00	0.00	0.00	4.50
1689	Hickory/Pecan	Poor		Carya	sp	41.179896803	-73.857628605	0.00	0.00	0.00	4.50
1690	Maple-Norway	Poor		Acer	platanoides	41.179850887	-73.857648723	14.00	0.00	0.00	4.50
1691	Maple-Norway	Poor		Acer	platanoides	41.180001937	-73.857589055	18.00	0.00	0.00	4.50
1692	Maple-Norway	Poor	buried	Acer	platanoides	41.180071811	-73.857496412	15.00	0.00	0.00	4.50
1693	Maple-Norway	Poor	buried	Acer	platanoides	41.180158543	-73.857542188	16.00	0.00	0.00	4.50
1694	Birch-River	Poor	Remove	Betula	nigra	41.180151898	-73.857582054	25.00	0.00	0.00	4.50
1695	Maple-Norway	Poor		Acer	platanoides	41.180250714	-73.857504394	10.00	0.00	0.00	4.50
1696	Maple-Norway	Fair		Acer	platanoides	41.180260867	-73.857484076	8.00	0.00	0.00	4.50
1697	Maple-Norway	Poor		Acer	platanoides	41.180295361	-73.857409948	9.00	0.00	0.00	4.50
1698	Maple-Norway	Poor		Acer	platanoides	41.180279189	-73.857410274	9.00	0.00	0.00	4.50
1699	Maple-Norway	Fair		Acer	platanoides	41.180260082	-73.857313951	11.00	0.00	0.00	4.50
1700	Tree of Heaven	Poor		Allanthus	altissima	41.180266546	-73.857238109	14.00	8.00	0.00	4.50
1701	Tree of Heaven	Fair		Allanthus	altissima	41.180287507	-73.857255141	23.00	0.00	0.00	4.50
1702	Catalpa-Northern	Fair		Catalpa	speciosa	41.180287445	-73.857181699	15.00	0.00	0.00	4.50
1703	Catalpa-Northern	Fair		Catalpa	speciosa	41.180349595	-73.857198504	14.00	0.00	0.00	4.50
1704	Catalpa-Northern	Fair		Catalpa	speciosa						



LEGEND	
	EXIST. BUILDINGS
	DRAINAGE AREA BOUNDARY
	FLOW PATH
	NODE
	DRAINAGE AREA DIVIDER

DRAINAGE AREA TABLE		
#	AREAS (SF)	AREAS (ACRES)
DA-1	100,629	2.310
DA-2	60,832	1.397
DA-3	165,784	3.806
STREAM	5,046	0.116
TOTAL	332,291	7.628

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REV	DATE	DESCRIPTION

PROJECT

PRE-DEVELOPMENT PLAN
RINALDI PROPERTY SUBDIVISION

LOCATION

39 STORMYTOWN ROAD
OSSINING, NEW YORK

DATE

04.22.19

SCALE

AS SHOWN

DESIGN

SP

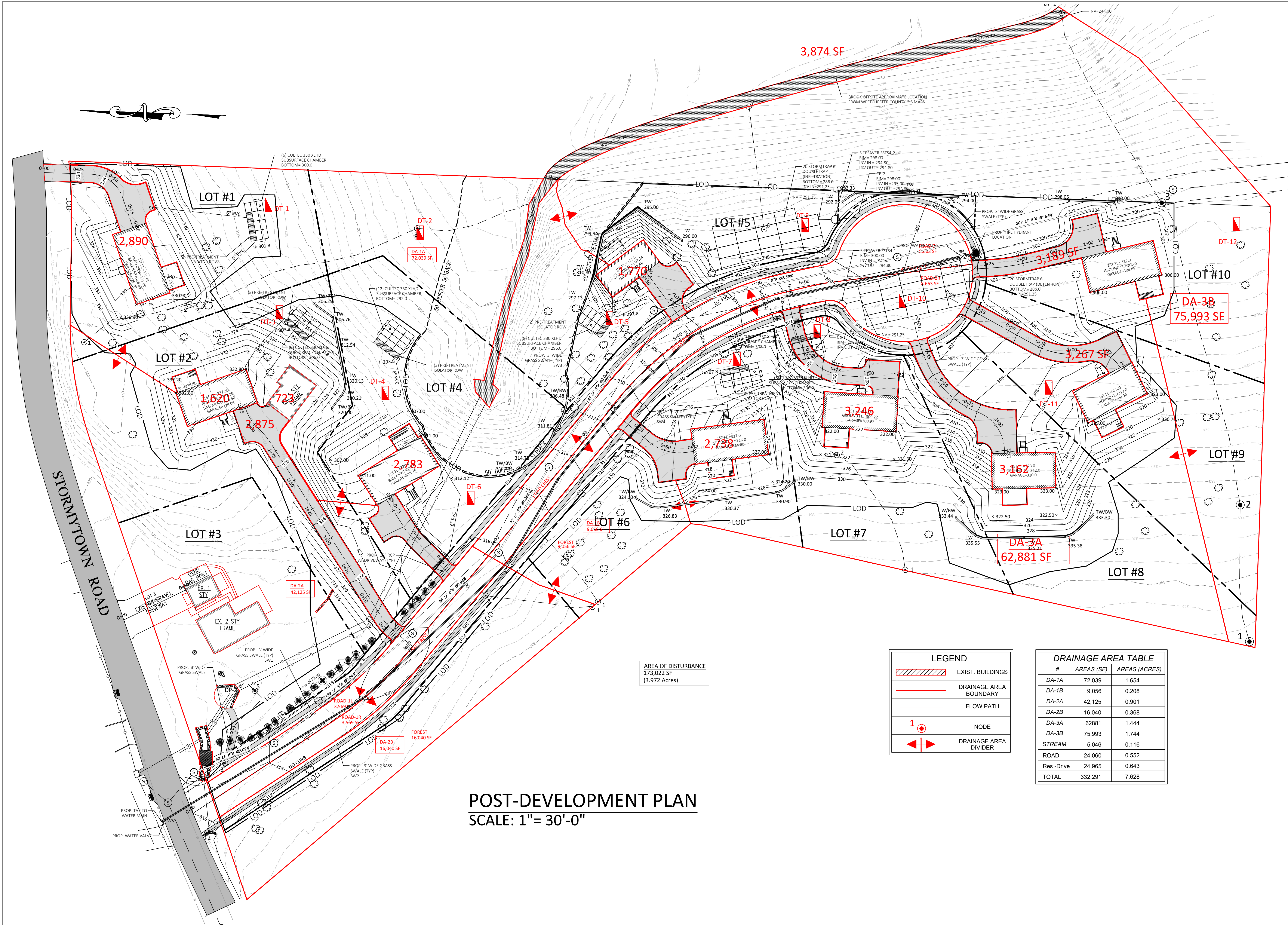
DRAWN

SP

SHEET NO.

1 OF 2

Jul 17, 2019 - 8:38 am D. Vinkov (fusion) Engineering/Utilities/Stormwater 28.33' Stormtown Road Stormtown Road, NY 10603



POST-DEVELOPMENT PLAN
SCALE: 1"= 30'-0"

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REV DATE DESCRIPTION

POST-DEVELOPMENT
RINALDI PROPERTY SUBDIVISION

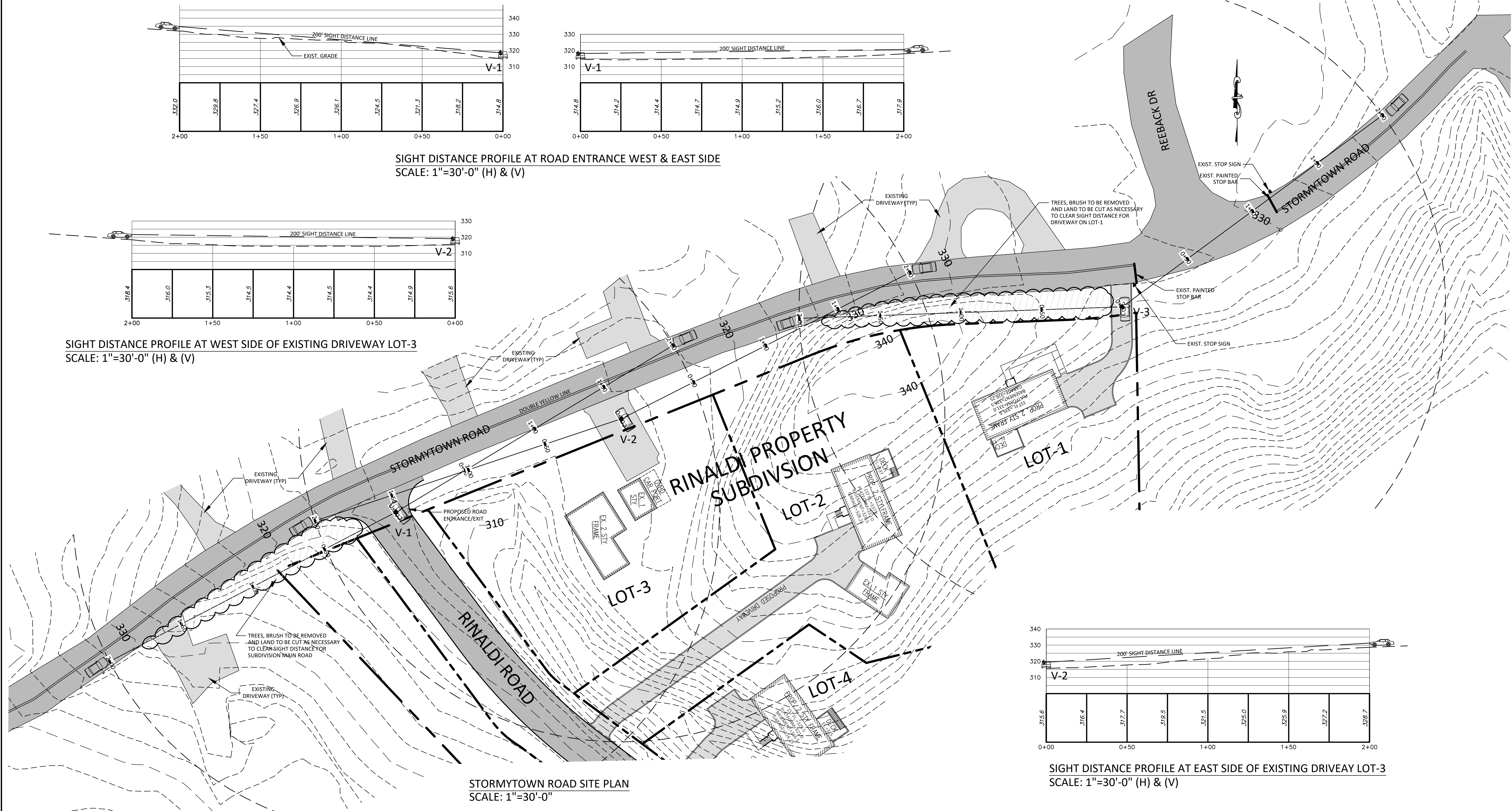
39 STORMTOWN ROAD
OSSINING, NEW YORK

PROJECT
DATE 04.19.19
DESIGN SP
SHEET NO. 2 OF 2

LOCATION
SCALE AS SHOWN
DRAWN SP

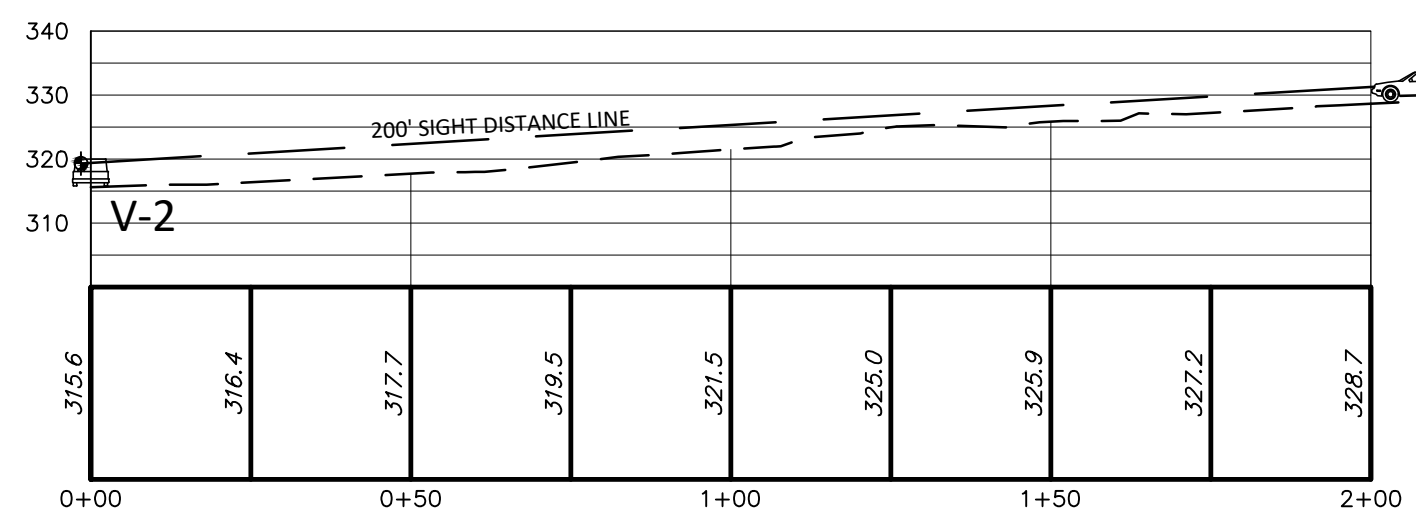
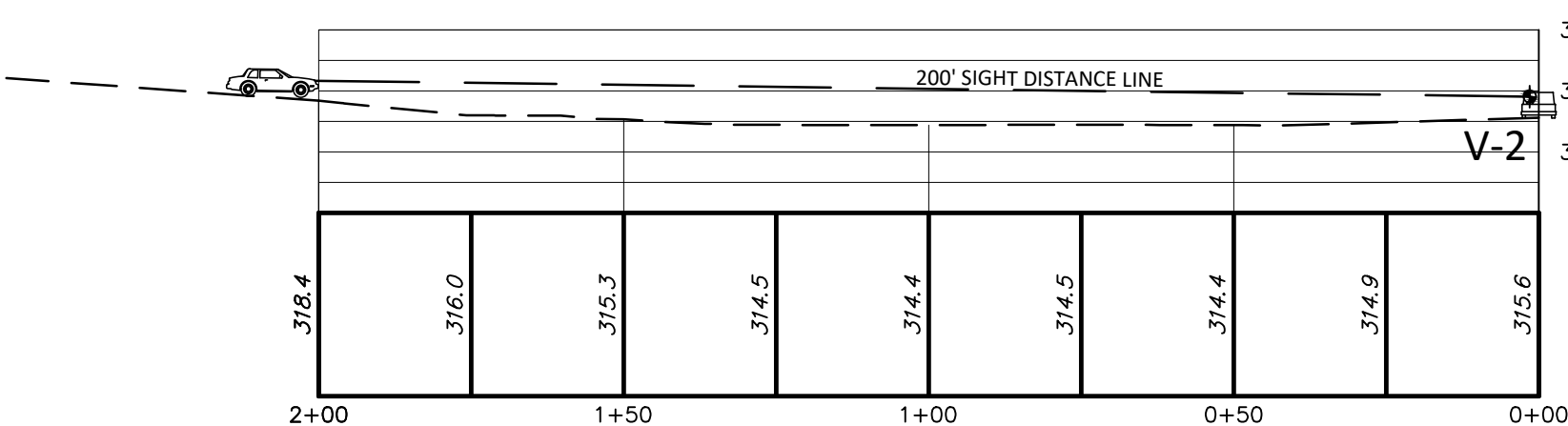
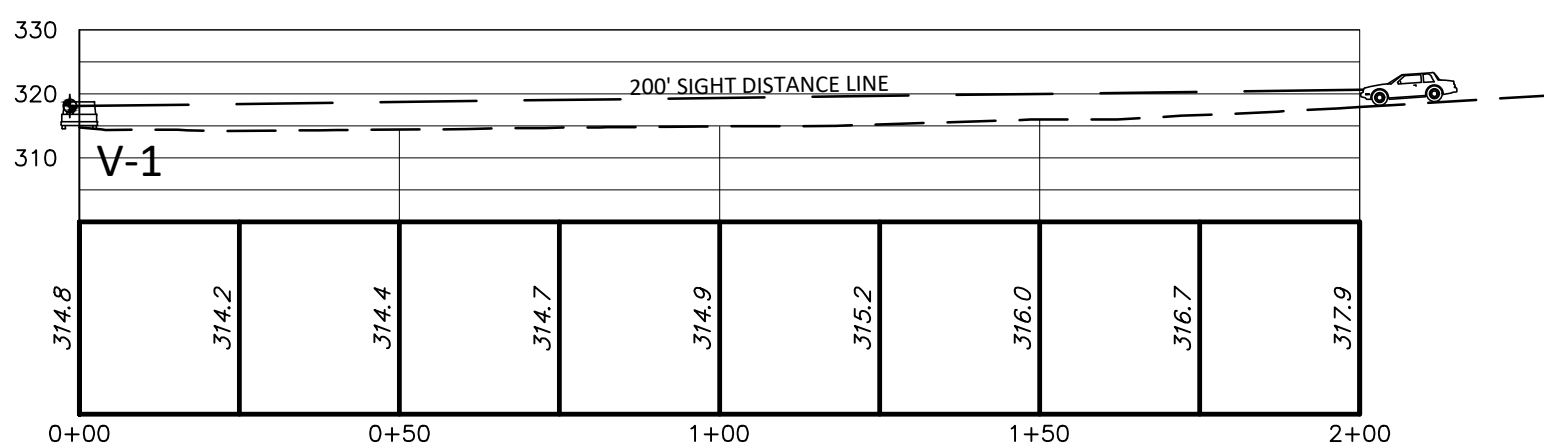
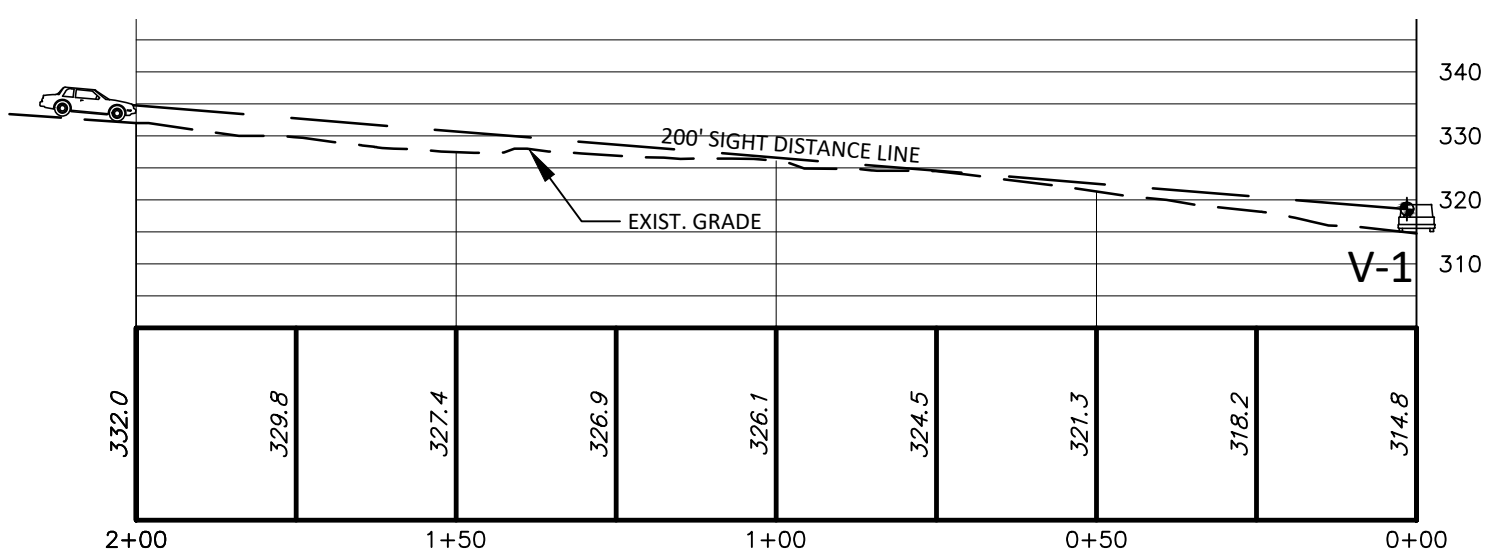
LEGEND	
	EXIST. BUILDINGS
	DRAINAGE AREA BOUNDARY
	FLOW PATH
	NODE
	DRAINAGE AREA DIVIDER

DRAINAGE AREA TABLE		
#	AREAS (SF)	AREAS (ACRES)
DA-1A	72,039	1.654
DA-1B	9,056	0.208
DA-2A	42,125	0.901
DA-2B	16,040	0.368
DA-3A	62,881	1.444
DA-3B	75,993	1.744
STREAM	5,046	0.116
ROAD	24,060	0.552
Res -Drive	24,965	0.643
TOTAL	332,291	7.628

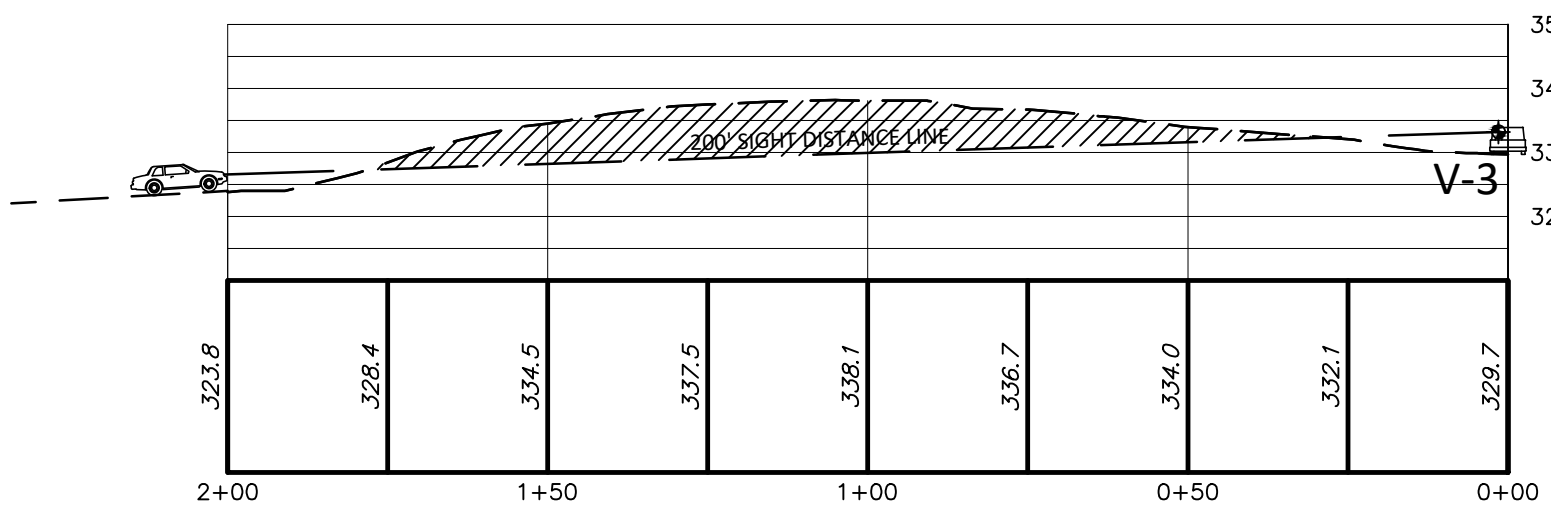


NOTE:
TOPOGRAPHIC INFORMATION SHOWN HEREON SITE PLAN
WAS OBTAINED FROM WESTCHESTER COUNTY GIS MAP FOR
SIGHT DISTANCE STUDY ONLY

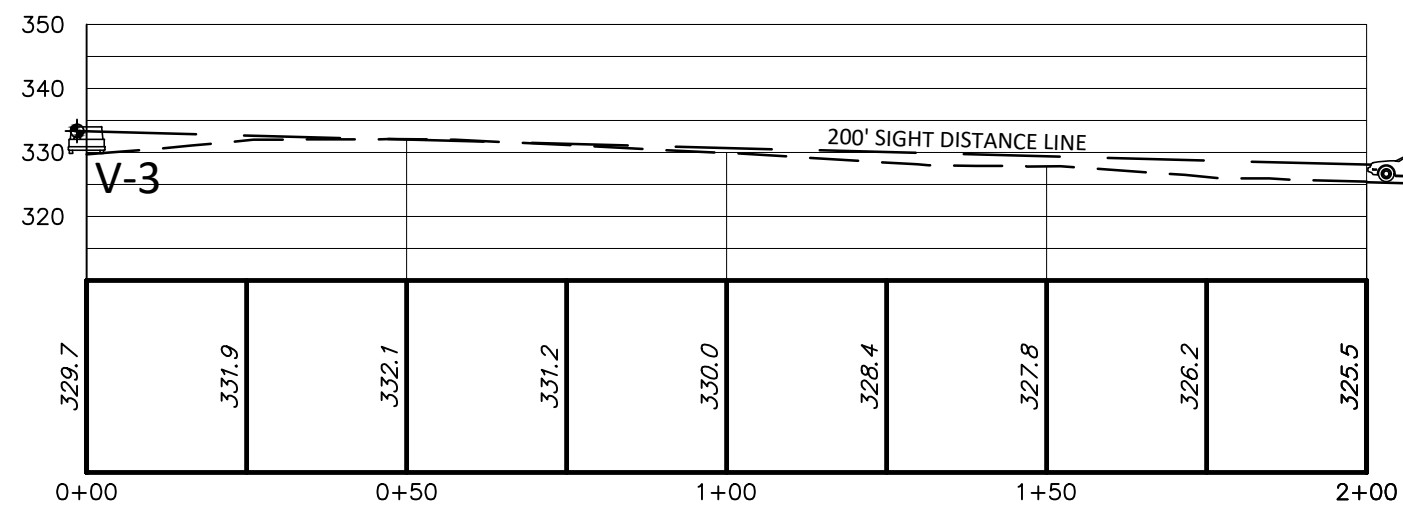
- SIGHT DISTANCE DATA:
1. SPEED LIMIT: 30 MPH (ASSUMED FOR RESIDENTIAL AREA)
 2. SIGHT DISTANCE: 200 FT (RECOMMENDED).
 3. SIGHT DISTANCE FROM VEHICLE V-1, V-2 AND V-3 AT EYE VIEW LEVEL LOCATED 3.5 FT HEIGHT FROM THE GROUND AND 14.5 FT FROM THE SOUTH EDGE OF STORMYTOWN ROAD .



SIGHT DISTANCE PROFILE AT EAST SIDE OF EXISTING DRIVEAY LOT-3
SCALE: 1"=30'-0" (H) & (V)



SIGHT DISTANCE PROFILE AT LOT-1 DRIVEWAY
SCALE: 1"=30'-0" (H) & (V)



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REV. DATE DESCRIPTION

PROJECT
SIGHT DISTANCE PLAN
RINALDI PROPERTY SUBDIVISION

LOCATION
39 STORMYTOWN ROAD
OSSINING, NEW YORK

DATE
04.19.19

SCALE
AS SHOWN

DESIGN
SP

DRAWN
SP

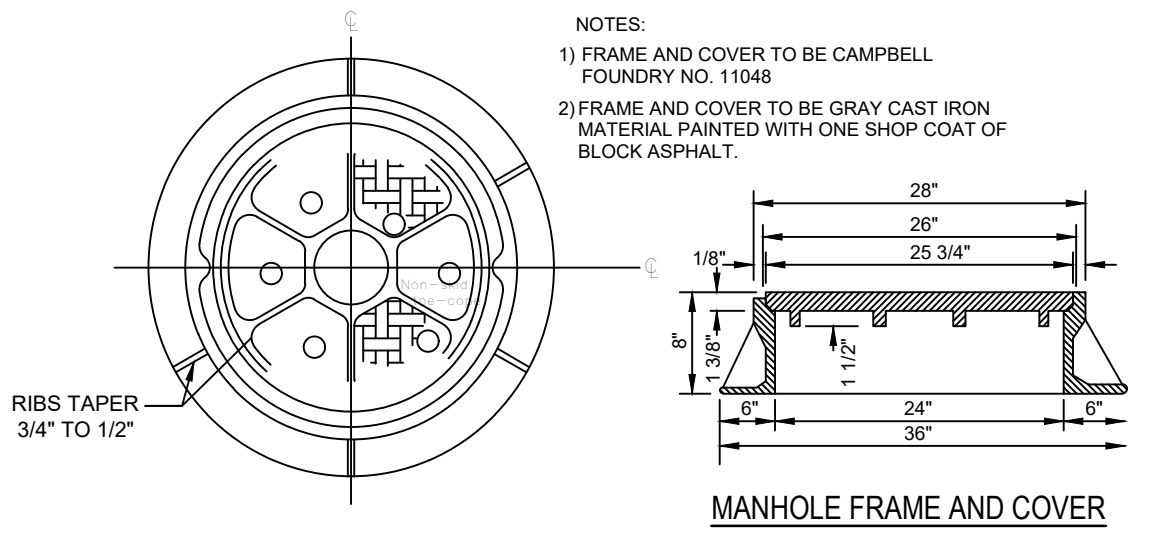
SHEET NO.

1

OF

1

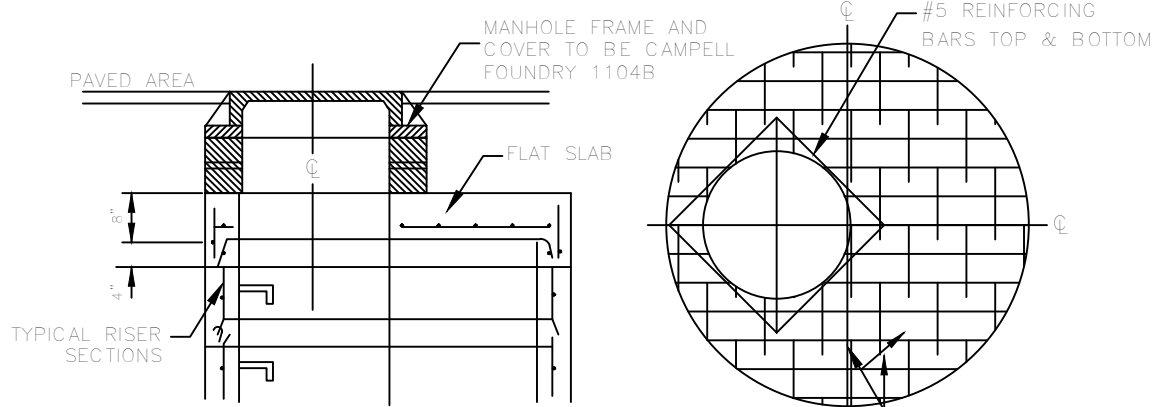
[illegible]



NOTES:
1) FRAME AND COVER TO BE CAMPBELL
FOUNDRY NO. 11048
2) FRAME AND COVER TO BE GRAY CAST IRON
MATERIAL PAINTED WITH ONE SHOP COAT OF
BLACK ASPHALT.

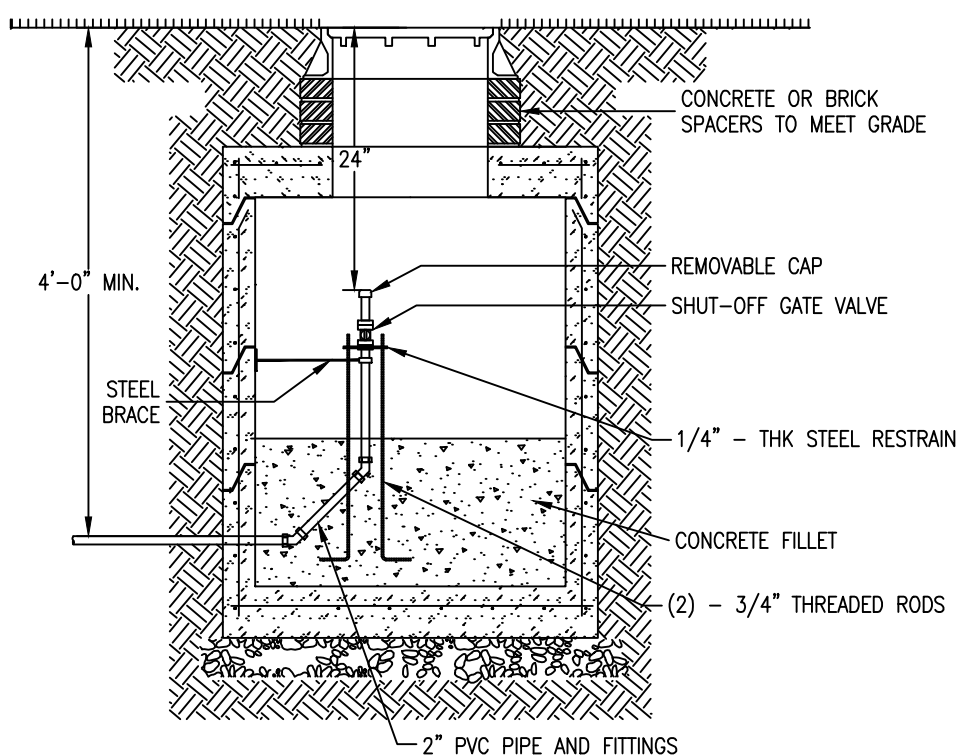
FRAME DETAIL
N.T.S.

MANHOLE FRAME AND COVER
N.T.S.

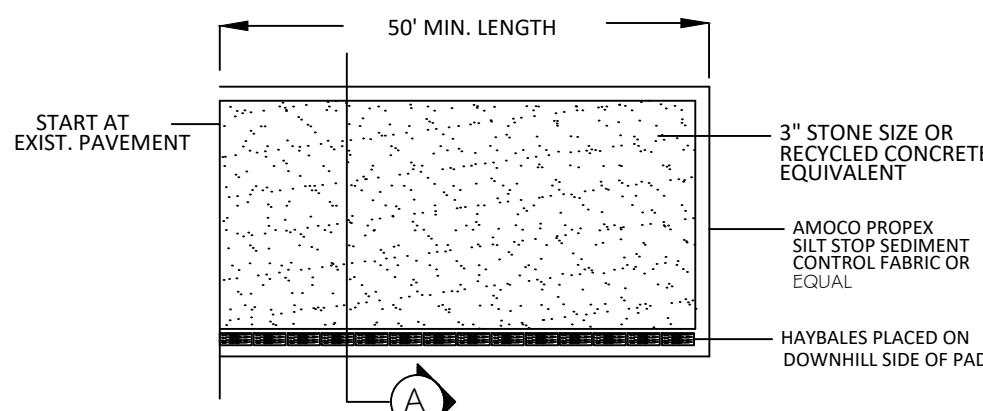


DETAIL OF FLAT SLAB
N.T.S.

REINFORCEMENT
LAYOUT FOR SLAB
N.T.S.



TERMINAL FLUSHING MANHOLE
N.T.S.

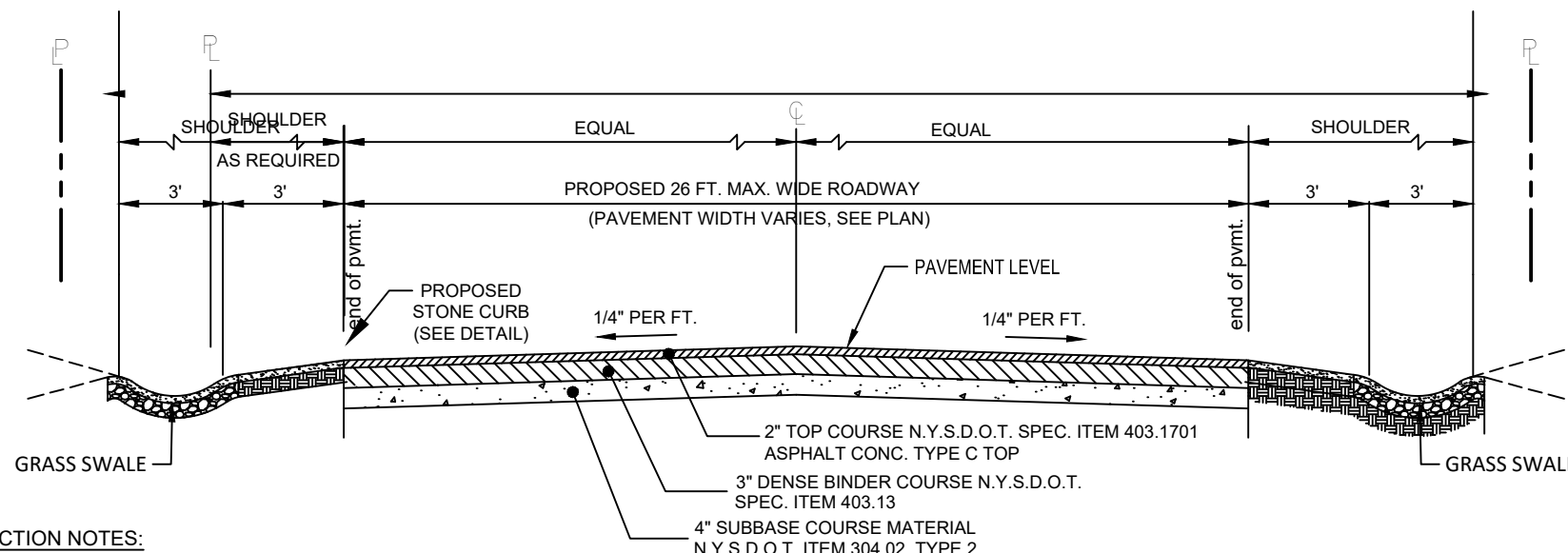


SECTION A

INSTALLATION NOTES:

1. STONE SIZE: USE 3" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET
3. THICKNESS - NOT LESS THAN SIX (6) INCHES
4. 20 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WITHIN THE INGRESS OR EGRESS OCCUR.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH A 5:1 SLOPE WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

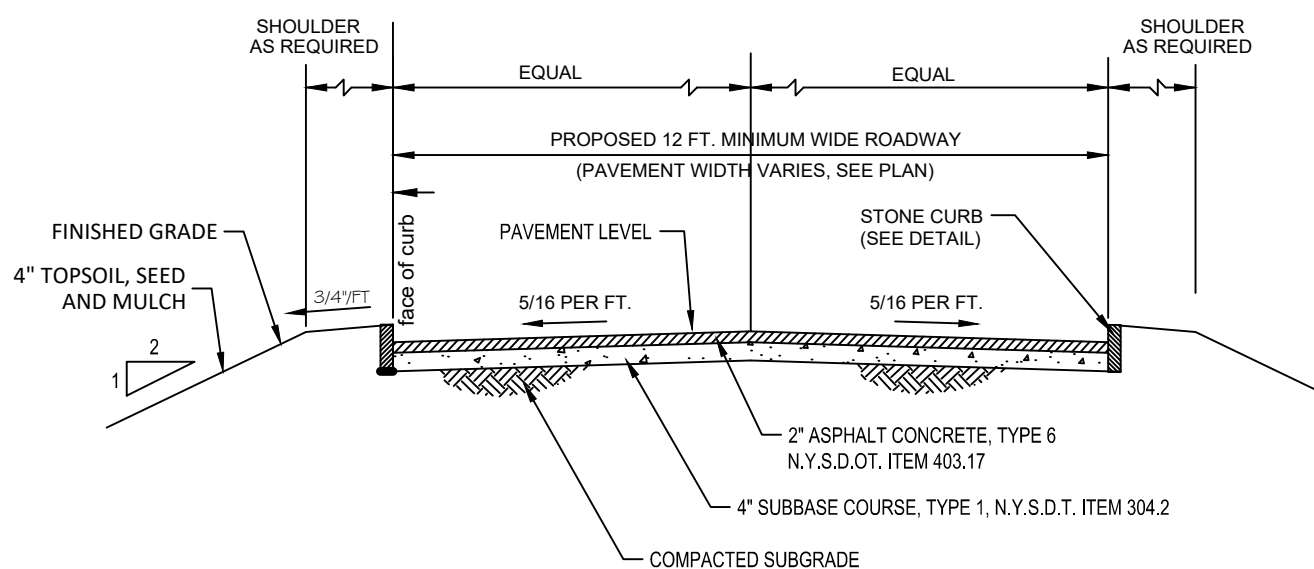
ANTI-TRACKING DEVICE OR STABILIZED CONSTRUCTION ENTRANCE N.T.S.



ROAD SECTION NOTES:

1. ALL SHOULDER AND SLOPES TO BE FINE GRADED AND SEEDED WITH APPROVED GRASS AT THE RATE OF 1/2 LB PER 100 SQ. FT. AFTER 4" OF TOPSOIL HAS BEEN PLACED.
2. SHOULD ROCK BE ENCOUNTERED IN THE ROAD BED IT MUST BE REMOVED TO THE DEPTH OF THE FINISHED SUBGRADE.
3. INSTALL UNDERGROUND UTILITIES

TYPICAL ROAD SECTION
N.T.S.

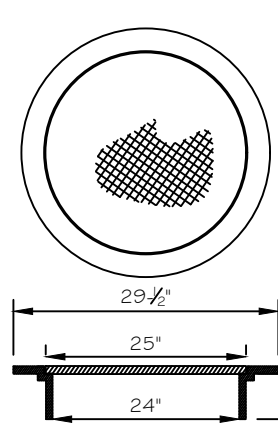


DRIVEWAY NOTES:

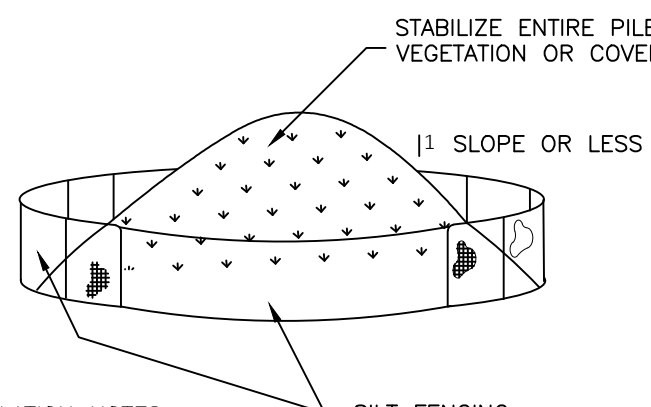
- IF ANY DRIVEWAY GRADE EXCEEDS 10%, THEN OFF STREET PARKING AT THE BASE OF ANY DRIVEWAY ENTRANCE MAY BE REQUIRED TO FACILITATE PARKING IN INCLEMENT WEATHER.
- NO DRIVEWAY SHALL BE PERMITTED WITH ANY PORTION IN EXCESS OF 14% GRADE.

DRIVEWAY CROSS SECTION
N.T.S.

CAMPBELL FOUNDRY
PATTERN NO. 1778



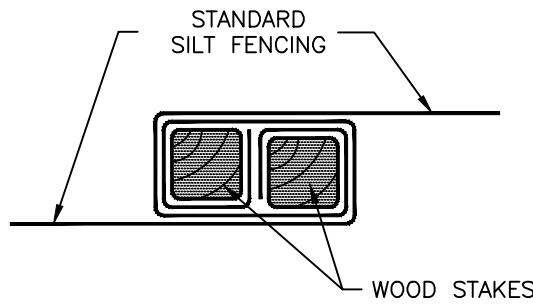
MANHOLE FRAME & COVER
N.T.S.



INSTALLATION NOTES:

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY & STABLE
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2
3. UPON COMPLETION OF SOIL STOCKPILING EACH PILE SHALL BE SURROUNDED BY SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SPECIFICATIONS (EROSION CONTROL) FOR INSTALL OF SILT FENCE
5. IF THE STOCKPILE IS TO REMAIN FOR MORE THAN 14 DAYS, IT SHALL BE STABILIZED WITH BURLAP MATTING OR SEEDED WITHIN 7 DAYS OF COMPLETION TO MINIMIZE EROSION.
6. LONG-TERM SOIL STOCKPILES SHALL BE SEED WITH ANNUAL RYEGRASS (Lolium perenne ssp, multiflorum or Secale cereal)

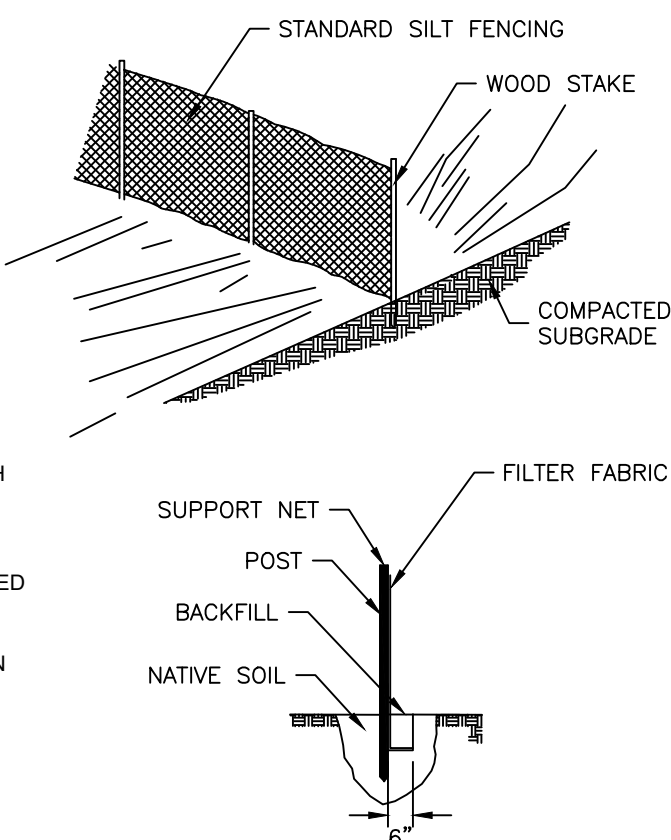
SOIL STOCKPILE
N.T.S.



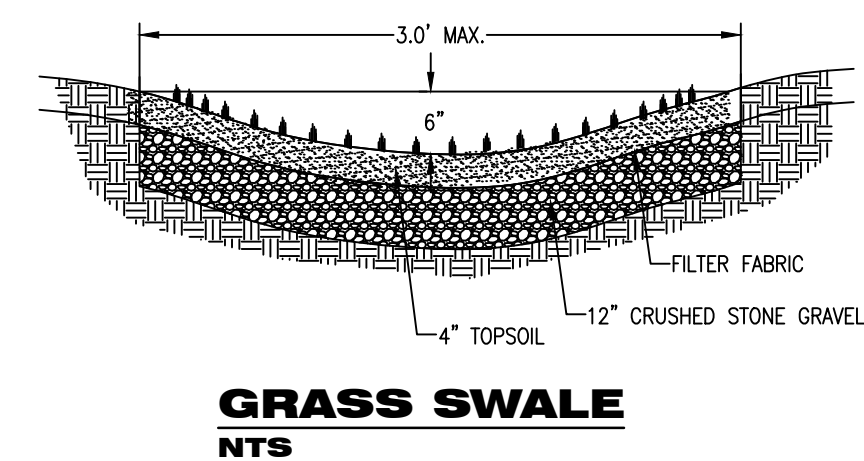
EROSION CONTROL NOTES:

1. CONTRACTOR SHALL NOTIFY TOWN BLDG. DEPT. OF START-UP DATE AT LEAST 5 DAYS PRIOR TO START OF ANY WORK
2. PRIOR TO THE START OF CONSTRUCTION, EROSION CONTROL DEVICES SHALL BE IN PLACE AS SHOWN ON THESE PLANS. CONTRACTOR SHALL NOTIFY THE TOWN FOR AN INSPECTION AT LEAST 2 DAYS PRIOR TO COMPLETION OF THE INSTALLATION.
3. CONTRACTOR SHALL INSPECT EROSION CONTROL DEVICES AFTER EACH RAINFALL AND THEY SHALL BE CLEANED, REPAIRED OR REPLACED AS NECESSARY. INSPECTION SHALL BE DOCUMENTED IN WRITING AND SUBMITTED TO THE TOWN ENGINEER.
4. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH NYSDEC STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
5. THE ENGINEER MAY, AT HIS DISCRETION, REQUIRE ADDITIONAL EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION TO MITIGATE UNFORESEEN EROSION AND SILTATION.
6. DISTURBED SOILS SHALL BE TEMPORARILY STABILIZED WITHIN 14 DAYS.

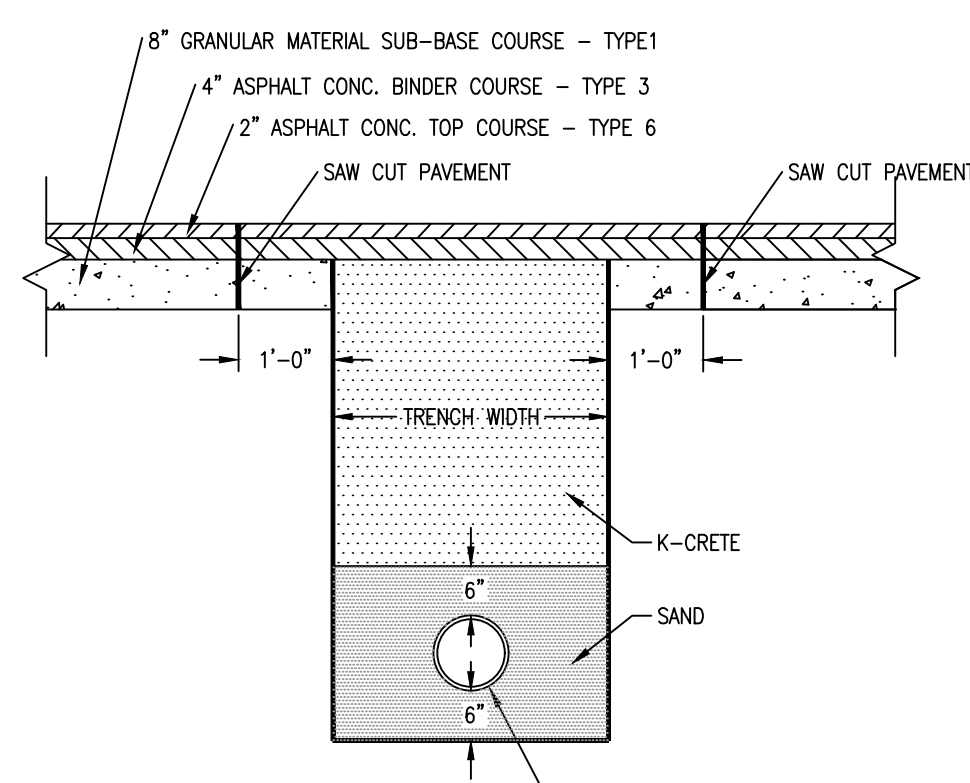
SILT FENCING
N.T.S.



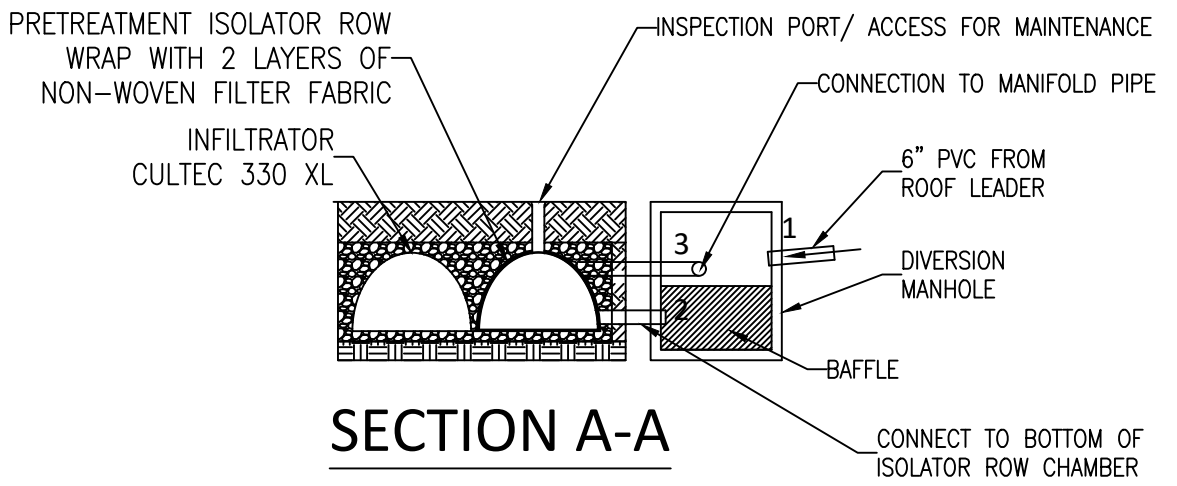
STORMWATER PRE-TREATMENT,
AQUA-SWIRL FILTER
N.T.S.



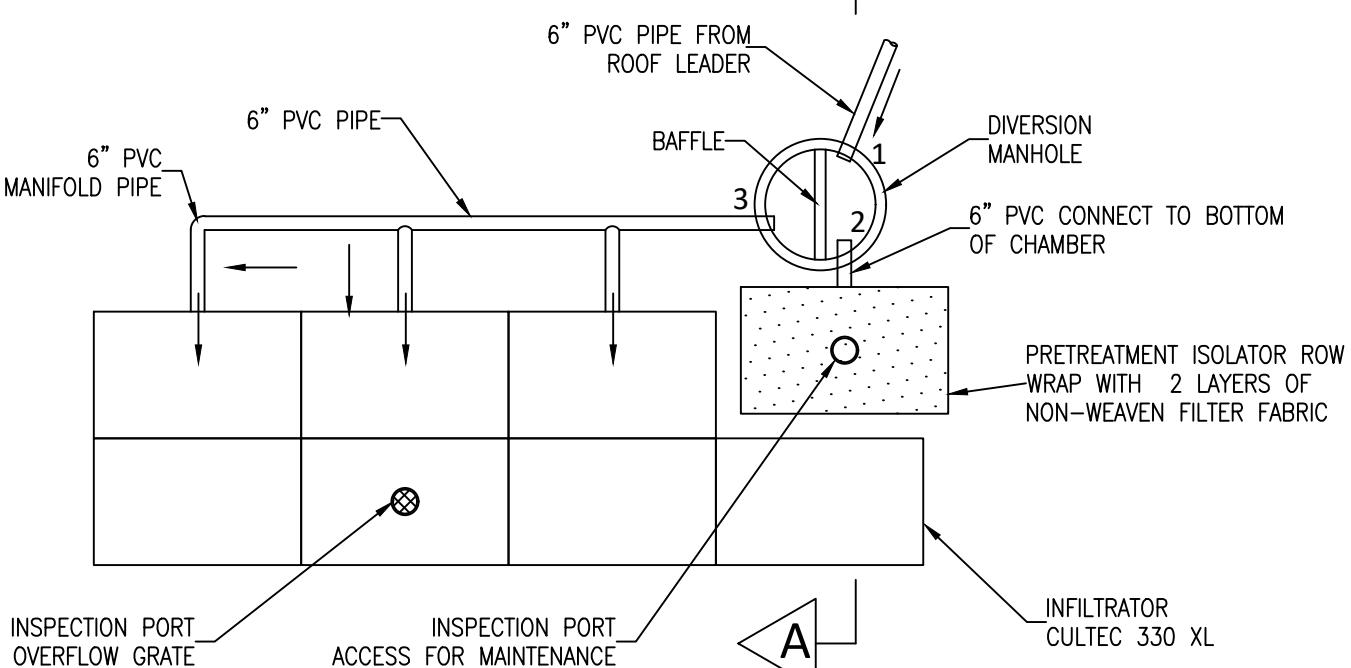
GRASS SWALE
N.T.S.



PAVEMENT REPLACEMENT
N.T.S.



SECTION A-A

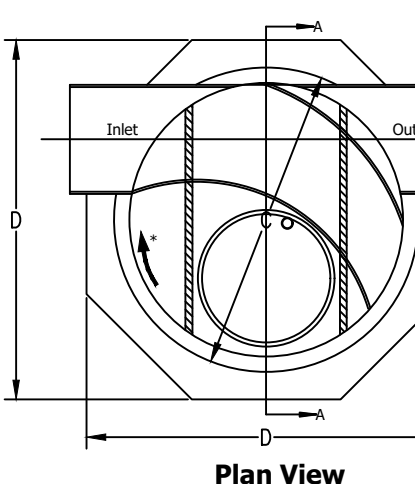


HOUSE INFILTRATORS WITH PRETREATMENT
ISOLATOR ROW - TYPICAL LAYOUT
N.T.S.

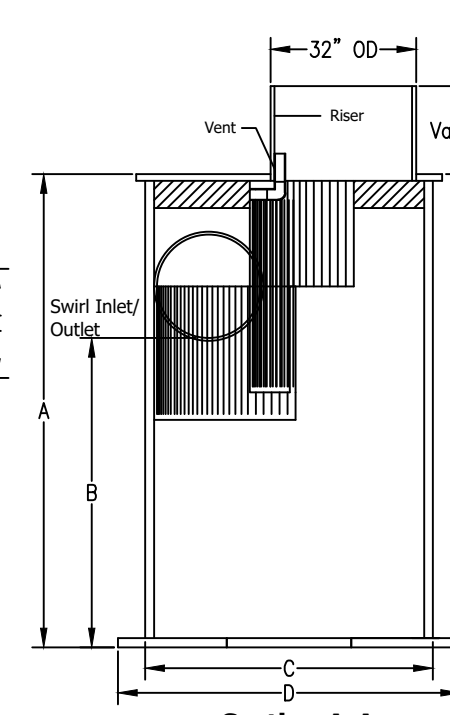
Aqua-Swirl				
Model #	Height	Depth to Invert	Outside Diameter	Base Plate Max. Outside Diameter
AS-3	104"	68"	39"	52" x 52" 18"
AS-4	104"	68"	54"	66" x 66" 18"
AS-5	104"	68"	60"	72" x 72" 24"

Bollards shall be placed around access riser(s) in non-traffic areas to prevent inadvertent loading by maintenance vehicles.
If traffic loading (H-20) is required or anticipated, a concrete pad must be placed over the entire Stormwater Treatment System. Sample details of concrete pad available upon request.

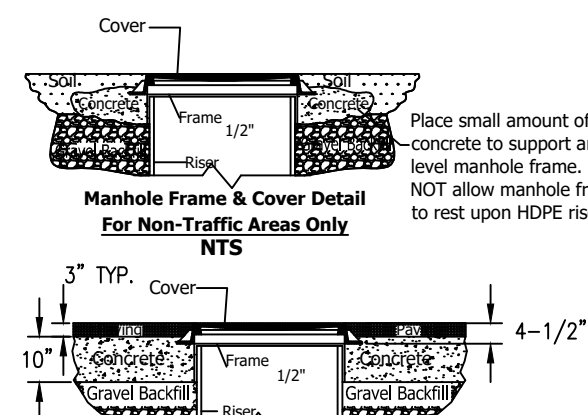
* Unit may be fabricated for clockwise or counter-clockwise flow direction.



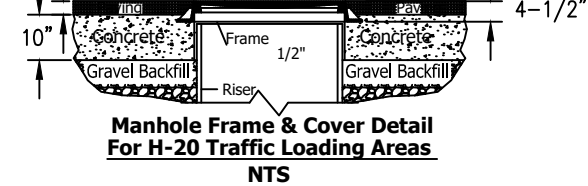
Plan View



Section A-A

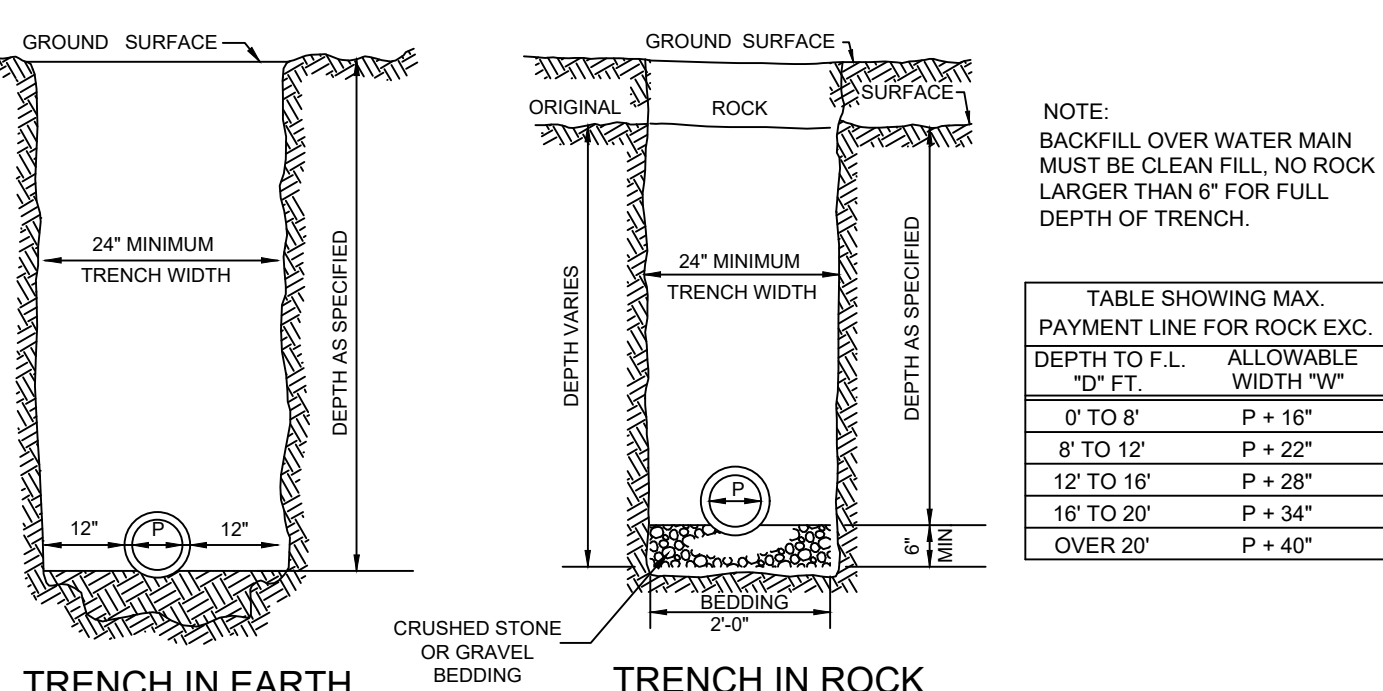


Manhole Frame & Cover Detail
For Non-Traffic Areas Only
N.T.S.

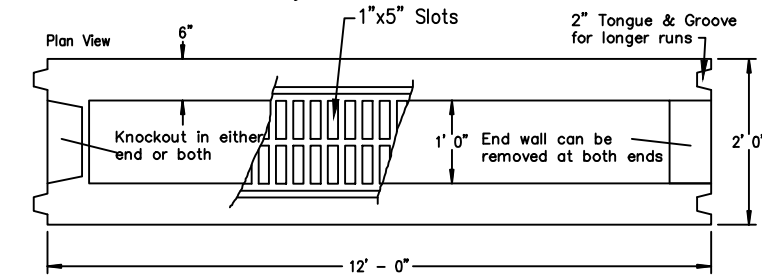
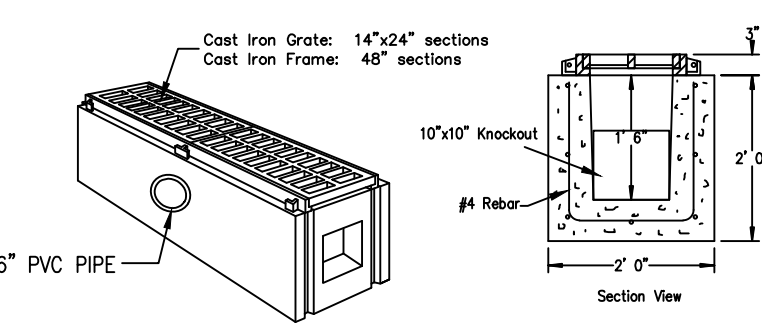


Manhole Frame & Cover Detail
For H-20 Traffic Loading Areas
N.T.S.

PROPOSED AQUA-SWIRL UNITS SHOWN ON PLAN		MODEL #
AS- #1		AS-4
AS- #2		AS-4
AS- #3		AS-4
AS- #4		AS-3
AS- #5		AS-3

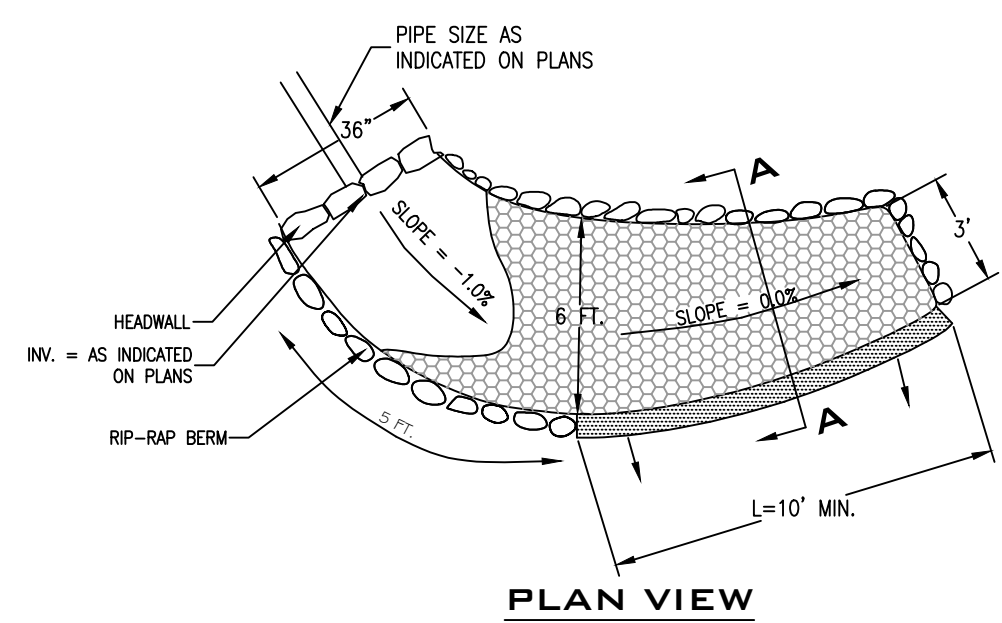


TRENCH IN EARTH
TRENCH IN ROCK
DRAIN TYPICAL TRENCH
N.T.S.

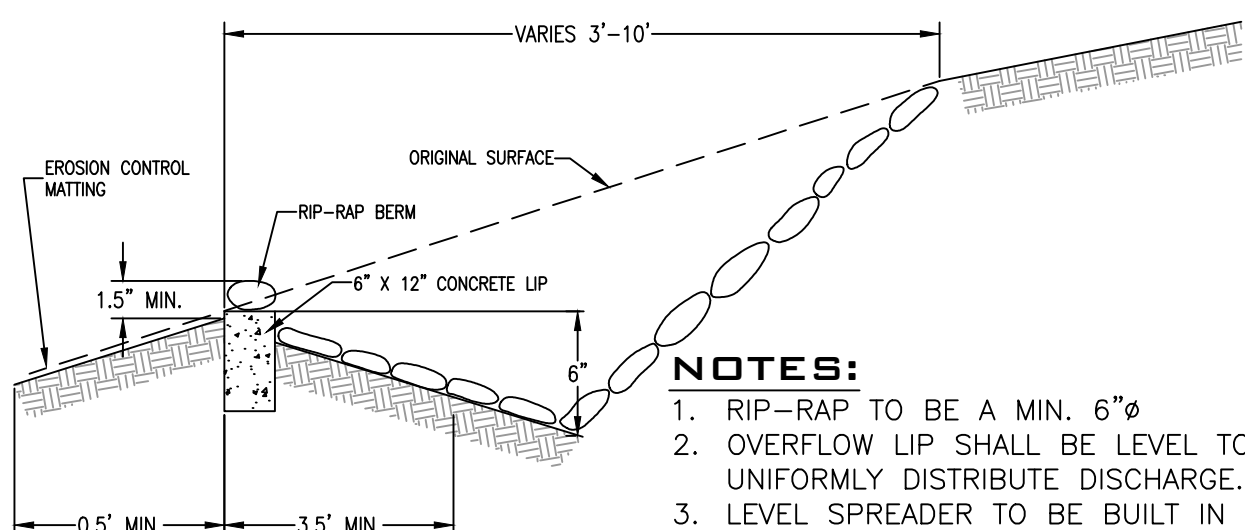


SPECIFICATIONS		PRECAST TRENCH DRAIN HEAVY DUTY MODEL TD-11D
Concrete Minimum Strength:	4,000 psi at 28 days	
Reinforcement:	#4 Rebar	
Air Entrainment:	5%	
Weight:	3,000 lbs	
Load Rating:	H20, truck traffic	

TRENCH DRAIN
N.T.S.



PLAN VIEW



SECTION A-A

RIP-RAP LEVEL SPREADER
N.T.S.

NOTES:

1. RIP-RAP TO BE A MIN. 6"Ø
2. OVERFLOW LIP SHALL BE LEVEL TO UNIFORMLY DISTRIBUTE DISCHARGE.
3. LEVEL SPREADER TO BE BUILT IN ACCORDANCE WITH N.Y.S. GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL.

fusion engineering pc

914.358.5009

600 north broadway suite 215, white plains ny 10603

fusionengineeringpc.com

consulting & engineering design services

ALTERATIONS BY ANY PERSON IN ANY WAY, OR ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER DIRECTION OF THE LICENSED ENGINEER, WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VIII, ARTICLE 145, SECTION 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

REV	DATE	DESCRIPTION

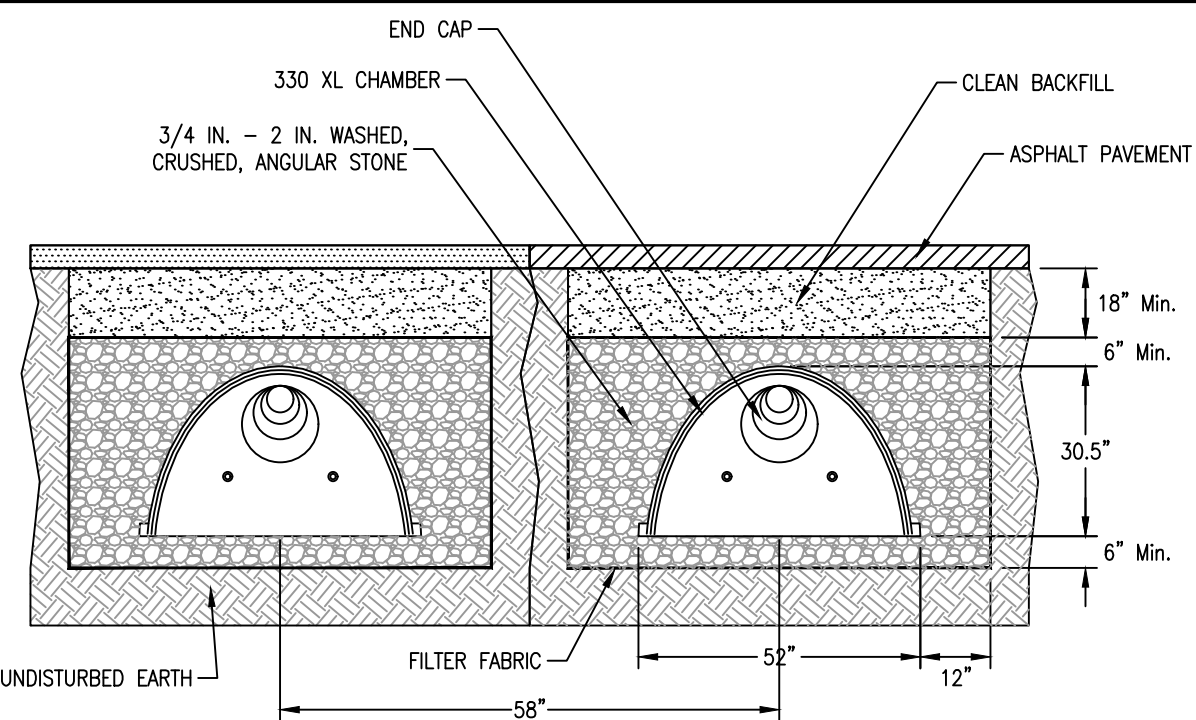
DETAILS-1
RINALDI PROPERTY SUBDIVISION

39 STORMYTOWN ROAD
OSSING, NEW YORK

PROJECT		LOCATION	
DATE	04.19.19	SCALE	AS SHOWN
DESIGN	SP	DRAWN	SP

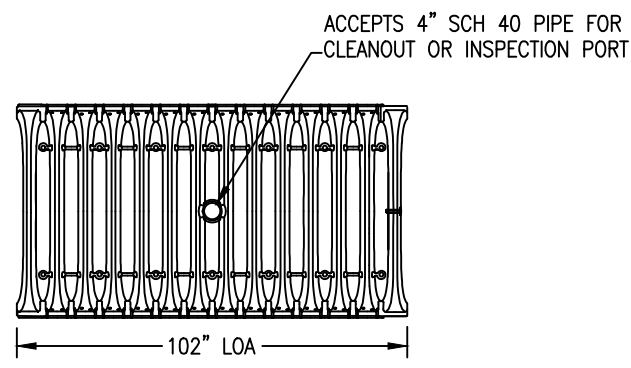
SHEET NO.

6 OF 7

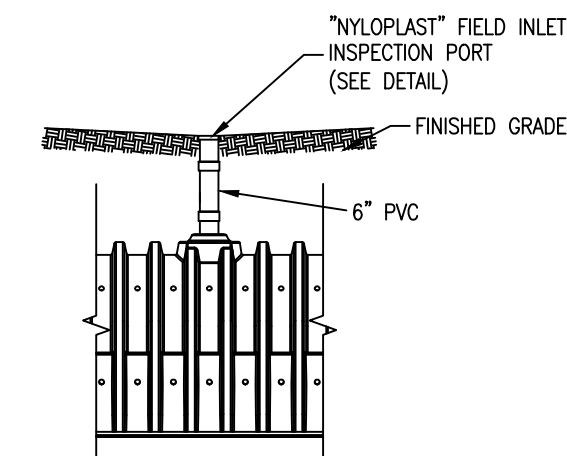


SECTION
NTS

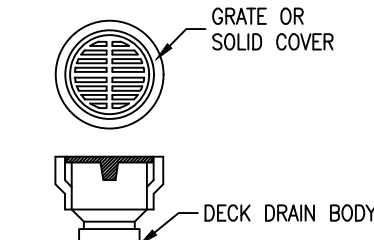
NOTE:
INFILTRATORS SHALL BE SEPARATED A MINIMUM
10 FEET FROM STRUCTURES AND PROPERTY LINE



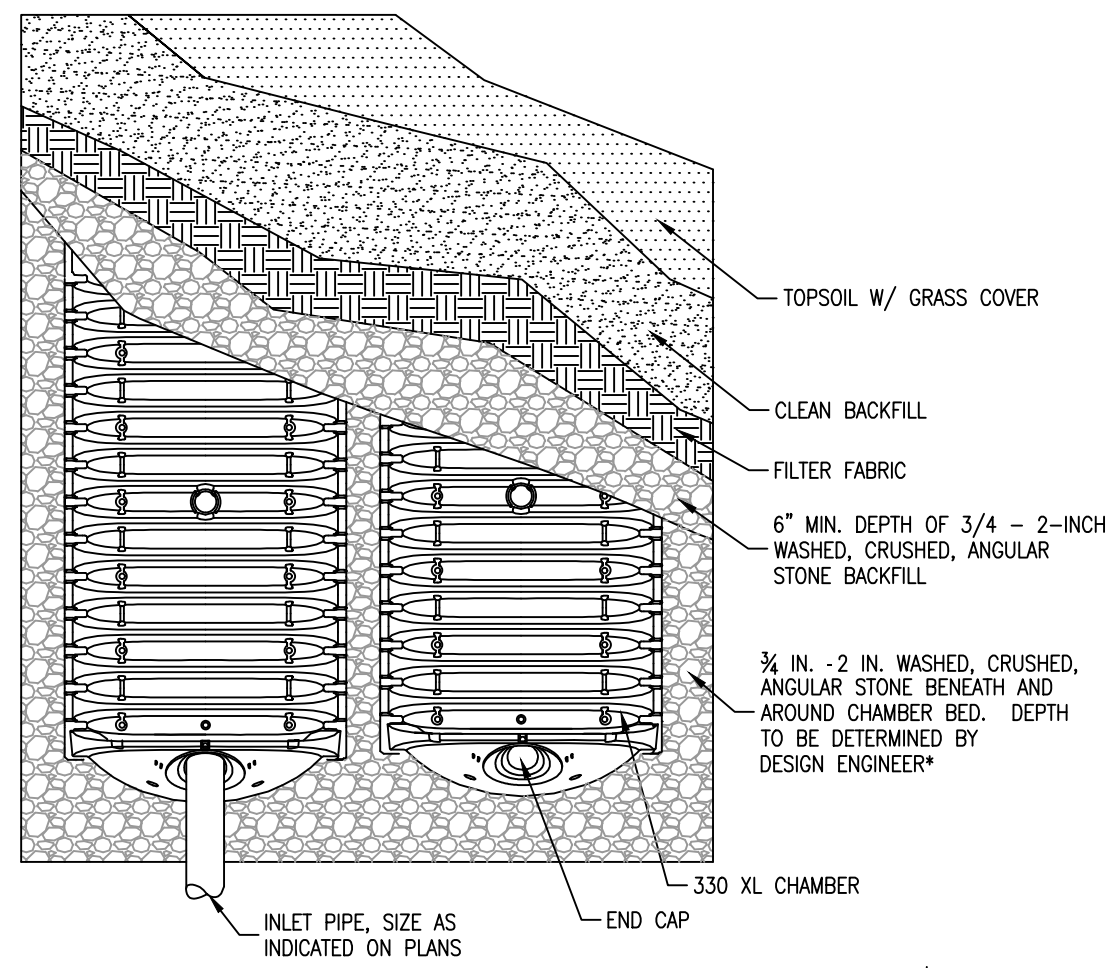
NOMINAL CHAMBER SPECIFICATIONS - CULTEC 330 XL
SIZE (W x H x LENGTH): 52\"/>



INSPECTION PORT
NTS

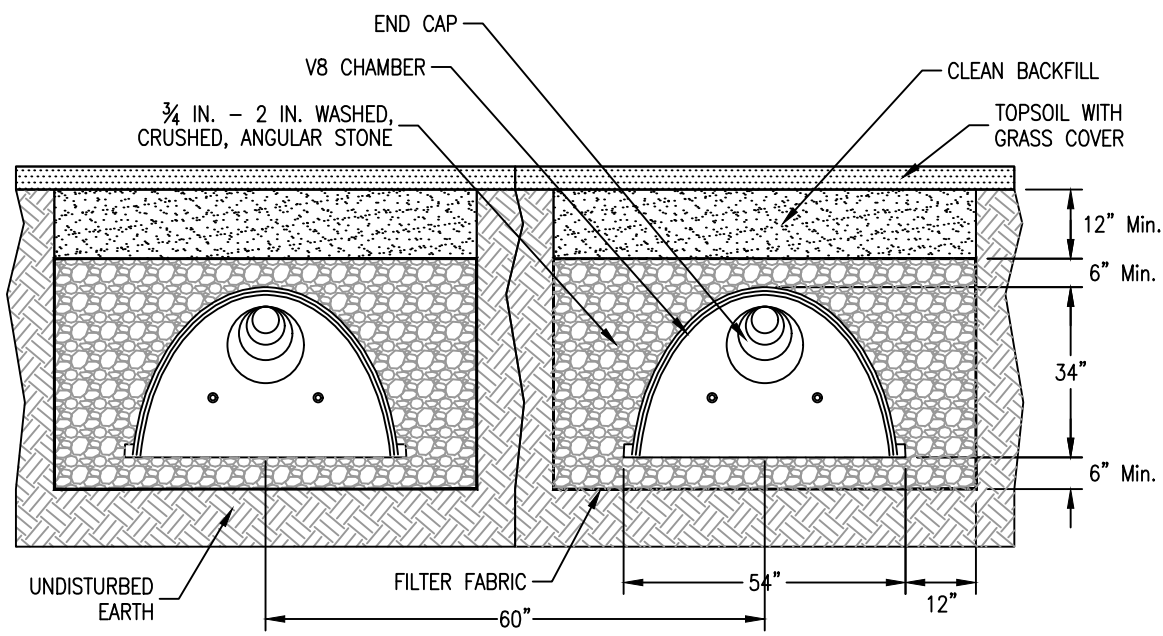


"NYLOPLAST"
INSPECTION PORT
NTS



PLAN
NTS

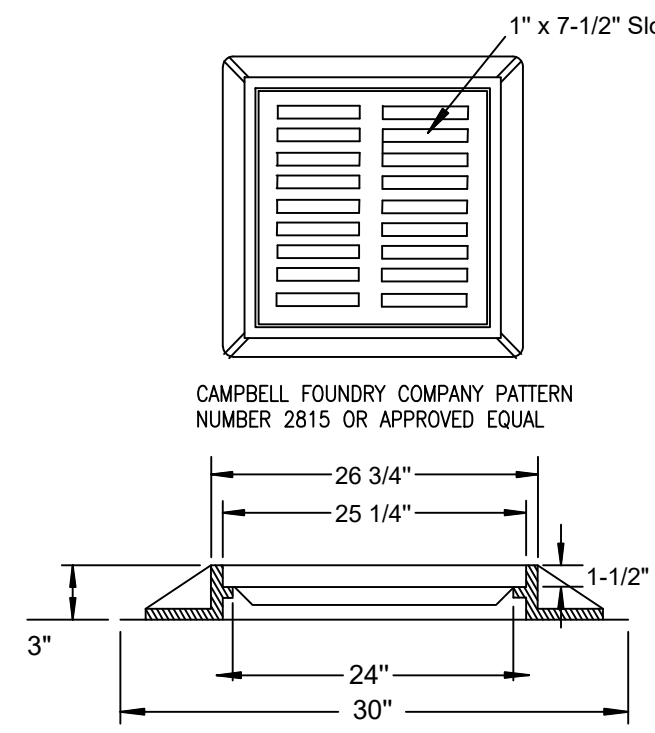
CULTEC CHAMBER MODEL 330XLHD
NTS



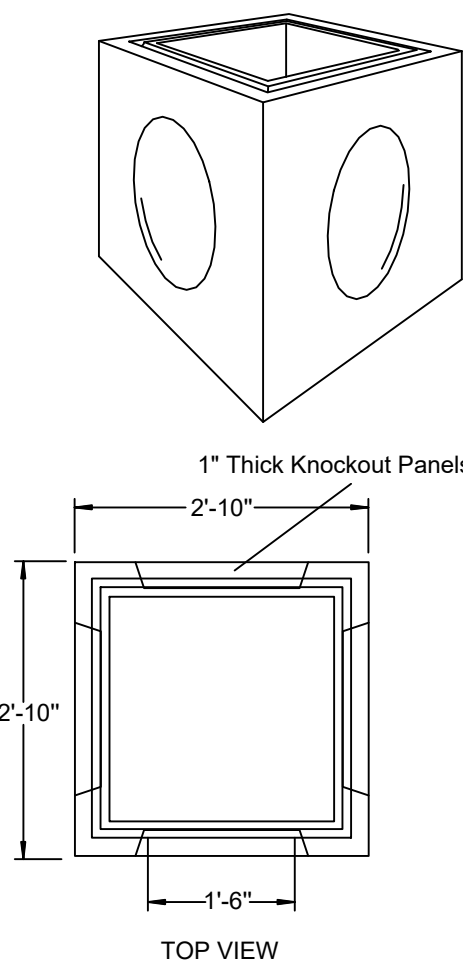
SECTION

NOMINAL CHAMBER SPECIFICATIONS - CULTEC RECHARGER V8
SIZE (W x H x LENGTH): 54\"/>

CULTEC RECHARGER V8
NTS



DRAIN INLET HEAD
NTS

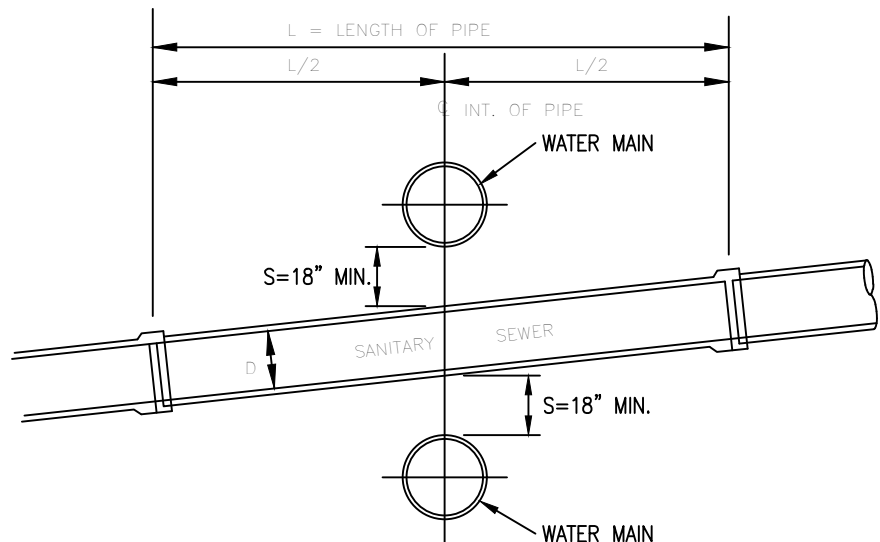


TOP VIEW

SIDE VIEW

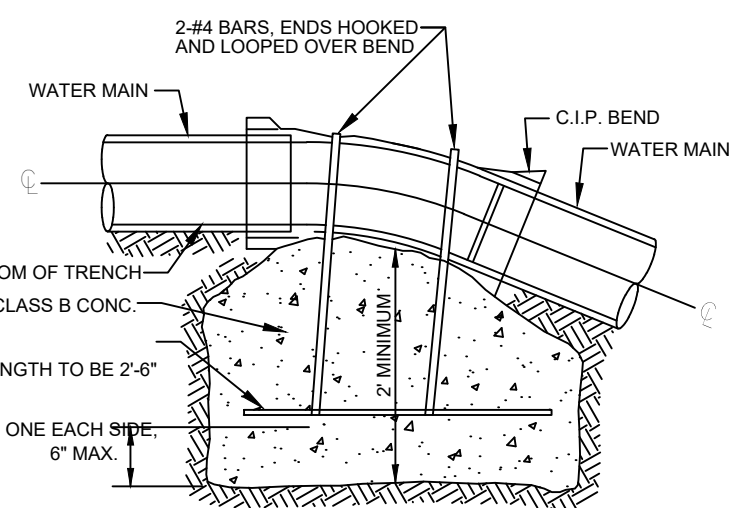
SPECIFICATIONS AS PER MANUFACTURE	
Concrete Minimum Strength: 4,000 psi at 28 days	PRECAST CATCH BASIN MODEL CB - 2 x 2
Reinforcement: #4 Rebar / ASTM A615	
Air Entrainment: 5%	
Construction Joint: Butyl Rubber Sealant	Woodard's Concrete Products, Inc.
Weights: Base = 1,300 lbs, Riser = 900 lbs/ft	629 Lybott Road, Bullville, NY 10915
Load Rating: H20 / ASTM C857	(845) 361-3471 / Fax 361-1050
	www.woodardconcrete.com

PRECAST DRAINAGE INLET
NTS



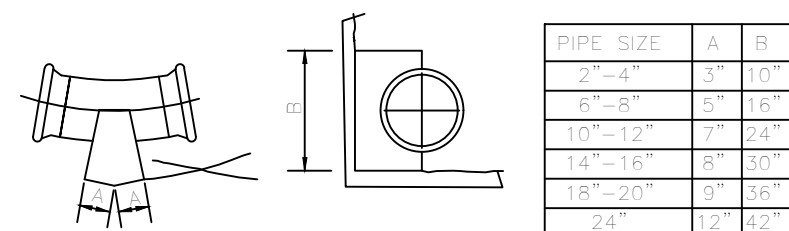
NOTE
EACH VARIATION OF WATER-SEWER CROSSING FROM THAT SHOWN ON THIS DETAIL
SHALL BE INDIVIDUALLY REVIEWED AND APPROVED BY THE HEALTH DEPARTMENT.

SANITARY SEWER-WATER
MAIN CROSSING
NTS

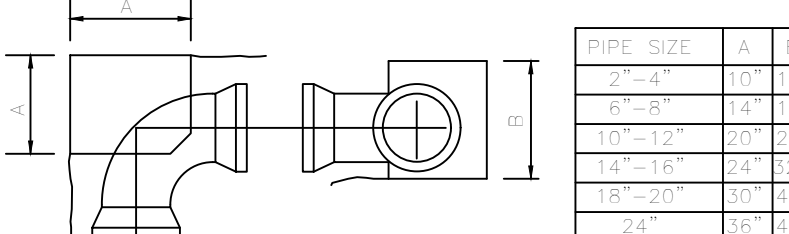


- NOTES:
1. THE LENGTH AND WIDTH OF THE CONCRETE BLOCK COMBINED WITH THE MINIMUM DEPTH OF 2" SHALL BE SUFFICIENT TO GIVE A MINIMUM VOLUME OF CONCRETE AS INDICATED ON THE PLAN.
 2. THE COST FOR THE EXCAVATION, PLACING OF CONCRETE AND OTHER INCIDENTAL EXPENSES NECESSARY TO CONSTRUCT CONCRETE ANCHORS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONCRETE MASONRY (CLASS B). MEASUREMENTS FOR PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO THOSE DIMENSIONS AS SHOWN ON THE DETAIL.

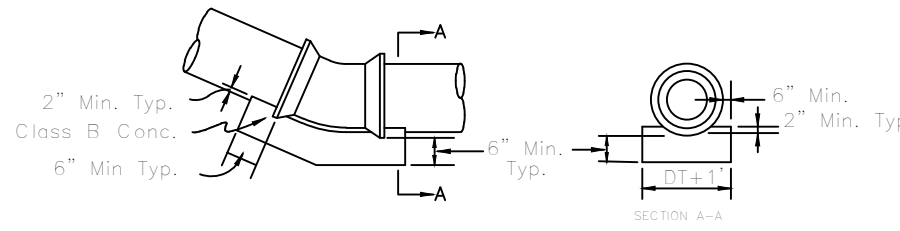
CONCRETE ANCHOR
NTS



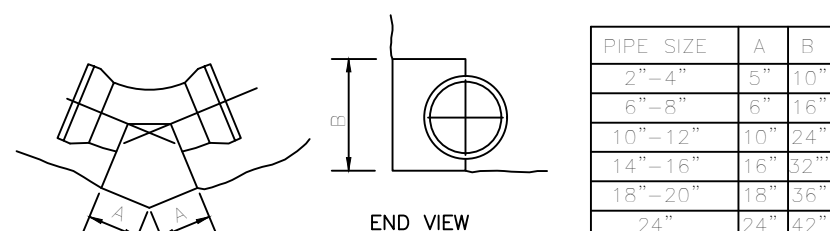
DETAIL OF 22 1/2" BEND ANCHOR



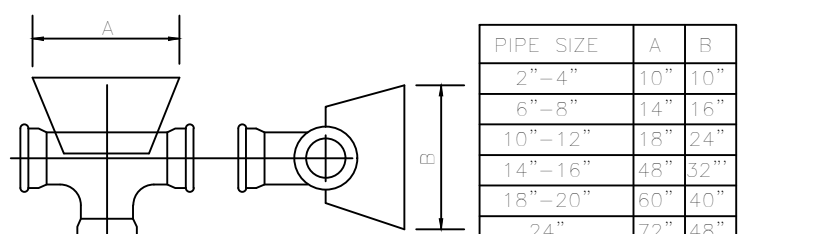
DETAIL OF 90° BEND ANCHOR



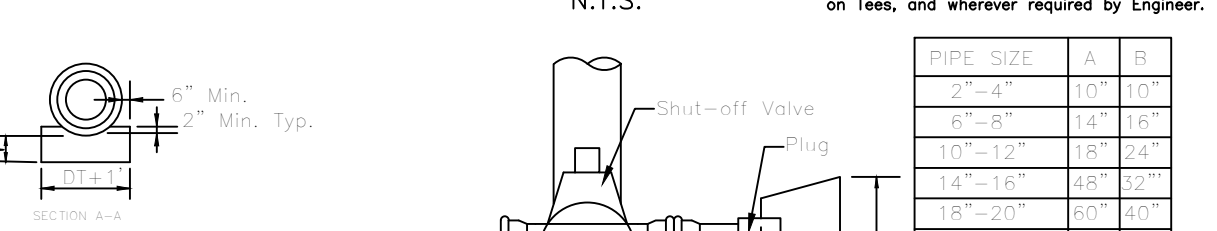
DETAIL OF THRUST DISTRIBUTION BLOCK
N.T.S.



DETAIL OF 45° BEND ANCHOR

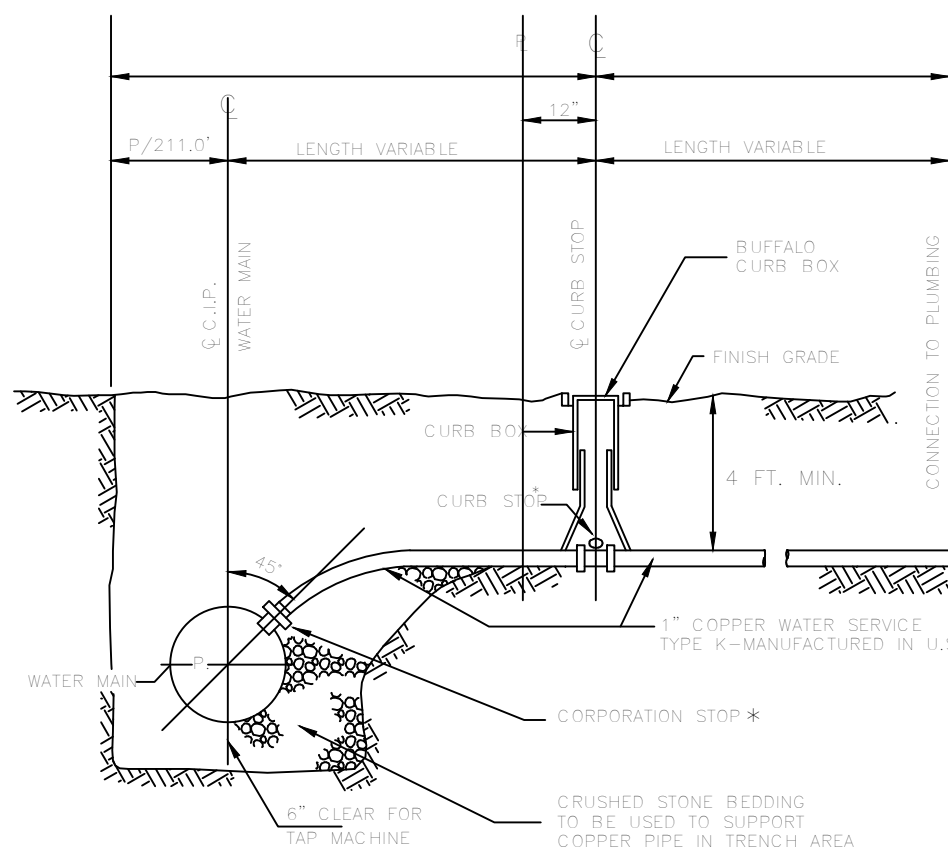


DETAIL OF TEE ANCHOR
N.T.S.



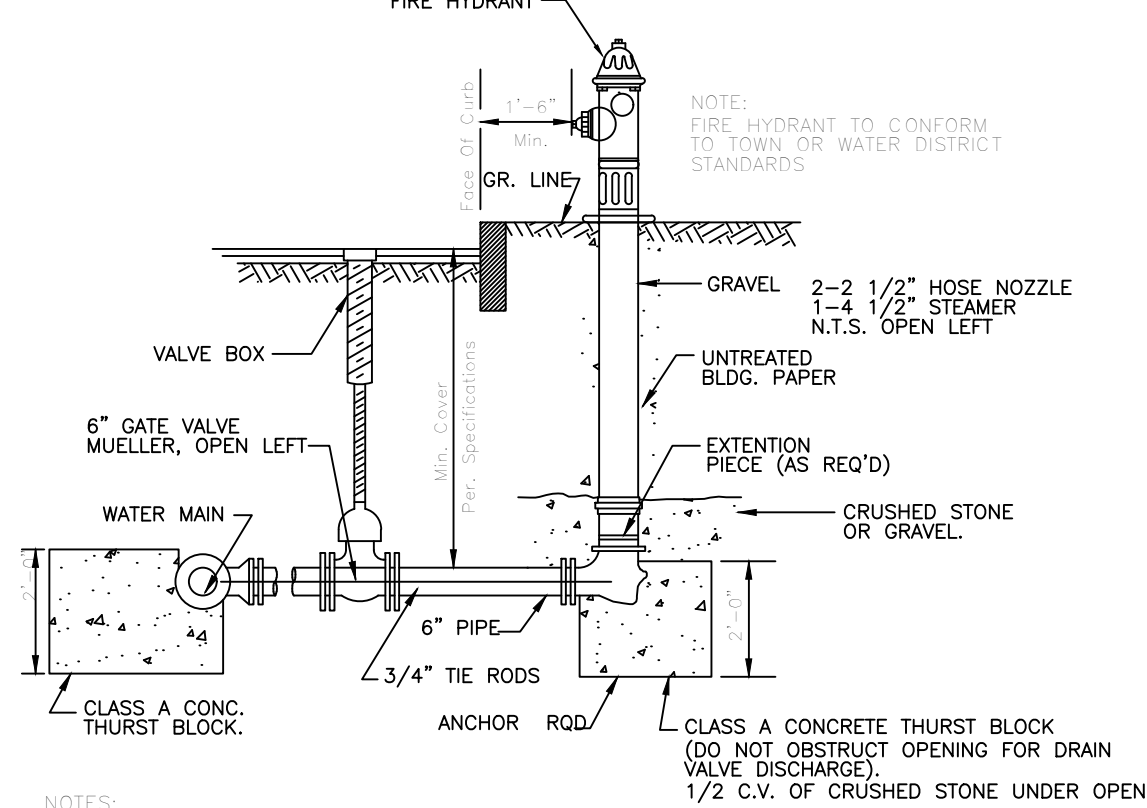
DETAIL OF SHUT-OFF VALVE
N.T.S.

WATER MAIN DETAILS
NTS



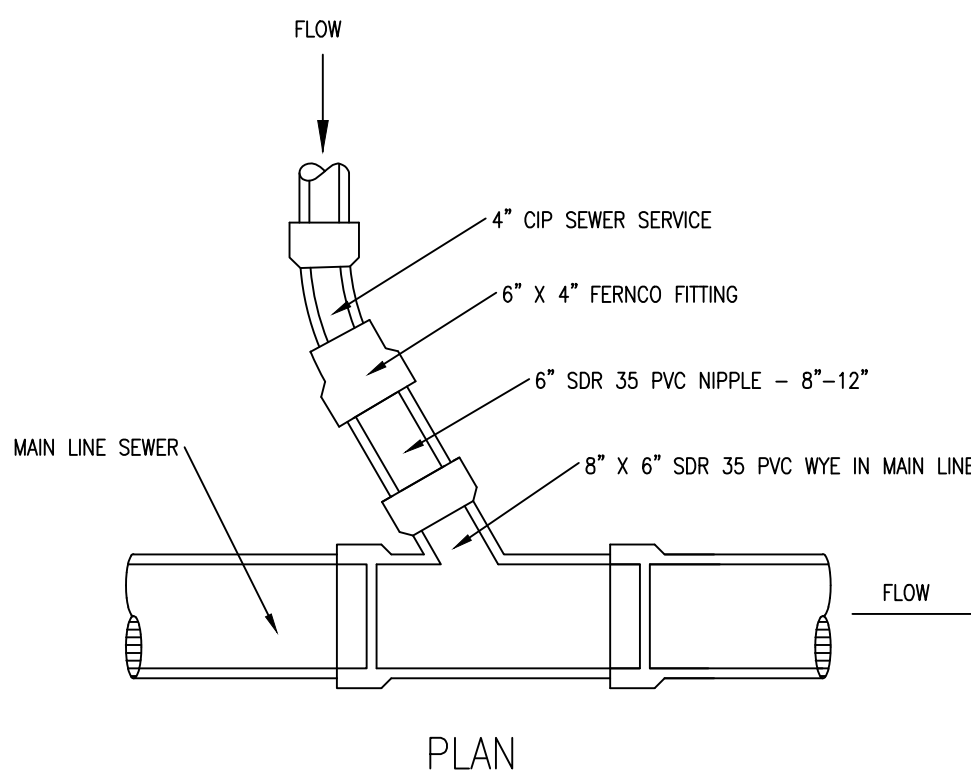
* NOTE: CURB STOP AND CORROSION STOP
TO BE MUELLER OR EQUAL.

WATER SERVICE CONNECTION
NTS

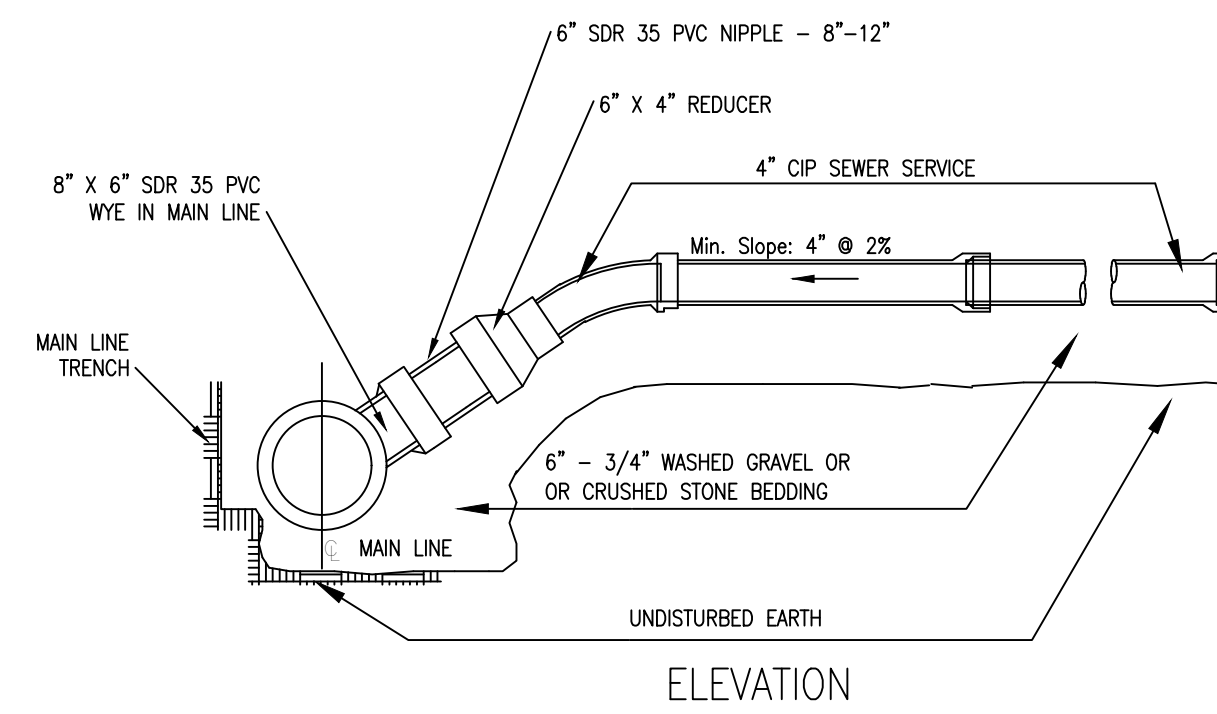


- NOTES:
1. ALL CONCRETE BLOCKS TO BEAR UNDISTURBED GROUND.
 2. 4-3/4" D BITUMINOUS COATED RODS WILL BE REQUIRED TYING HYDRANT TO VALVE TO WATER MAIN.
 3. WHERE THE WATER TABLE IS WITHIN 7 FEET OF THE HYDRANT DRAINS SHOULD BE PLUGGED. WHEN THE DRAINS ARE PLUGGED THE BARRELS MUST BE PUMPED DRY AFTER USE DURING FREEZING WEATHER. WHERE HYDRANT DRAINS ARE NOT PLUGGED, A GRAVEL POCKET OR DRYWELL SHALL BE PROVIDED UNLESS THE NATURAL SOILS WILL PROVIDE ADEQUATE DRAINAGE. HYDRANT DRAINS SHALL NOT BE CONNECTED TO BE LOCATED WITHIN 10 FEET OF SANITARY OR STORM DRAINS.

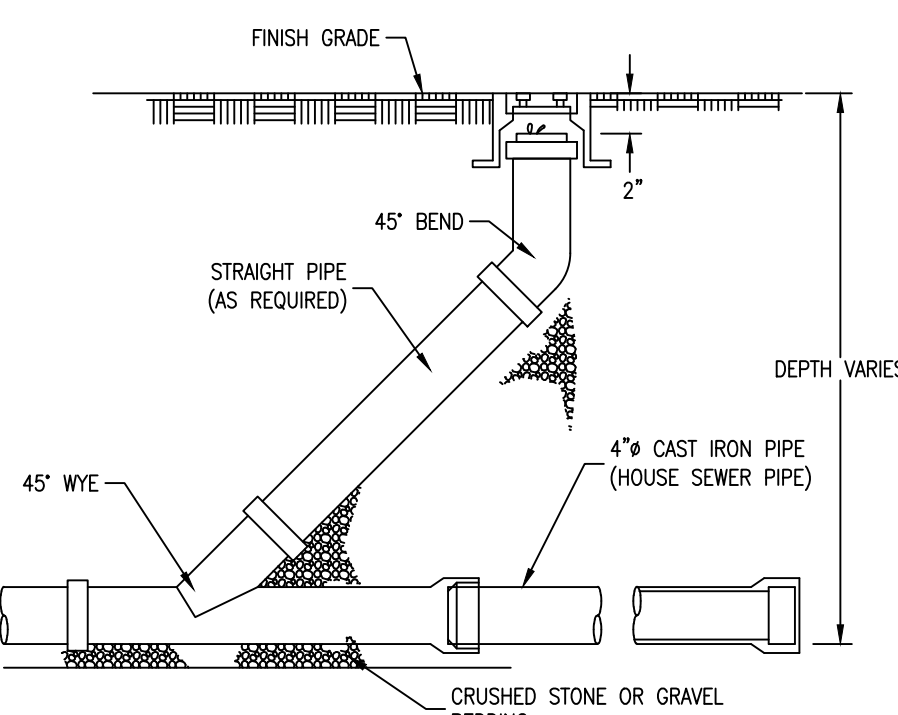
FIRE HYDRANT
(PROVIDE RETAINER GLANDS ON ALL FITTINGS WITH MEGA LUGS)
NTS



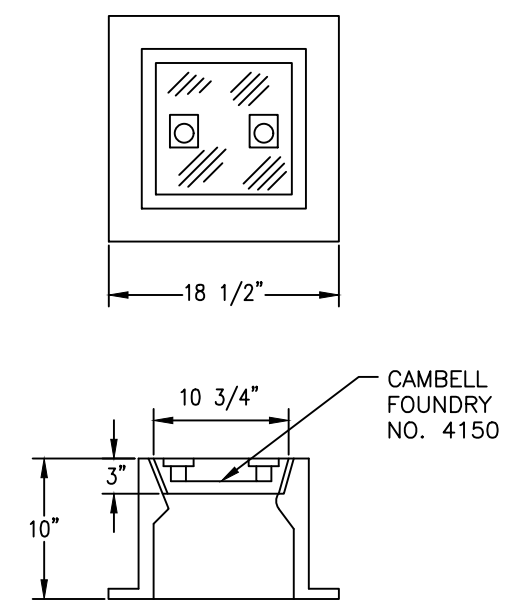
HOUSE CONNECTION AT GRADE
NTS



ELEVATION



CLEAN OUT
NTS



CLEAN OUT CASTING
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DETAILS-2

RINALDI PROPERTY SUBDIVISION

39 STORMYTOWN ROAD
OSSING, NEW YORK

DATE	SCALE
04.19.19	AS SHOWN
DESIGN	DRAWN
SP	SP

SHEET NO.

7 OF 7