September 14, 2021



Town of Henrietta Planning Board Chairman James Grunert 475 Calkins Road Henrietta NY 14467

RE: Site Plan Application East River Road – Aptitude Student Housing & Mixed Use Development

Dear Mr. Grunert:

CHA, on behalf of the Applicant, Aptitude Rochester, LLC, is pleased to submit the attached site plan application for the above reference project. The proposed development will include a mixed-use development on a parcel located along East River Road, south of Rochester Institute of Technology main campus. The Applicant has proposed to allocate sections of the parcel to residential, civic space, and industrial uses in the mixed-use special permit. The residential portion contains multifamily apartments which will be marketed as student housing. The applicant proposes to construct six (6) multifamily residential student housing buildings, containing 202 units along with a clubhouse and amenity space throughout the project site.

The site plan application checks were submitted during the conceptual review period. A letter of credit will also be required for the monument in front of the existing house, it was unclear who the letter of credit needs to be made out to, and if clarified the letter of credit will be submitted as soon as possible.

Included in this submission are the following:

- Site Plan Application
- Site Plan Sets 26 Copies
- SWPPP Drainage Report 2 Copies
- Long EAF 1 Copy

If you should require any additional information or have any questions, please do not hesitate to contact our office at 315-257-7220 or jtrasher@chacompanies.com.

Very truly yours,

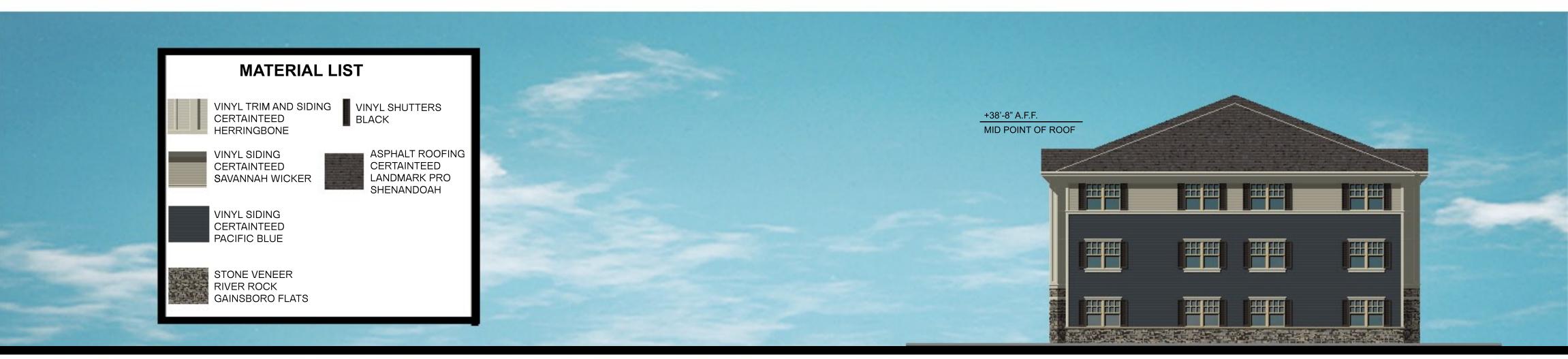
James F. Trasher, P.E. CHA Consulting, Inc. Vice President

Enclosures

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One Park Place, 300 South State Street, Suite 600, Syracuse, NY 13202-2024 T 315.471.3920 • F 315.471.3569 • www.chacompanies.com







NORTH ELEVATION





EAST / WEST ELEVATION



NORTH ELEVATION



WEST ELEVATION



SOUTH ELEVATION



EAST ELEVATION



ROC RIVER APARTMENTS BUILDING TYPE 2 BUILDING #4 EAST RIVER ROAD, HENRIETTA, N.Y. 8/30/21



TYPICAL FRONT / REAR ELEVATION



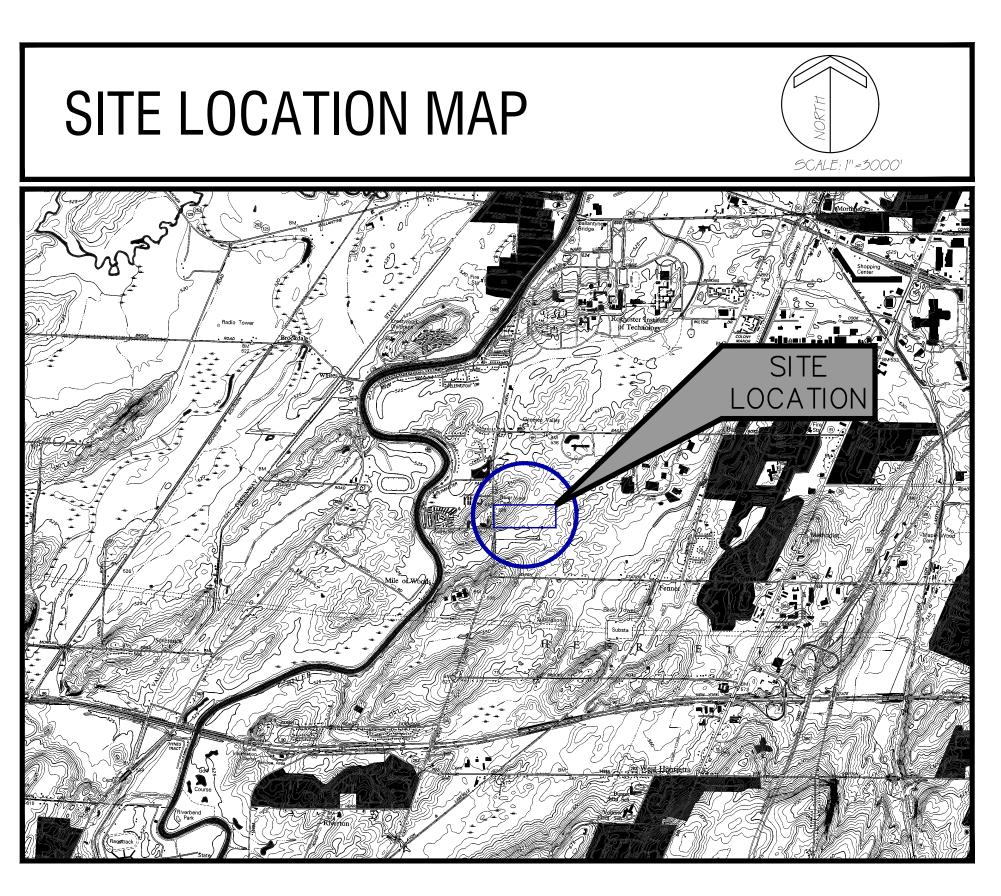




8/30/21

TYPICAL END ELEVATION

ROC RIVER APARTMENTS EAST RIVER ROAD TOWN OF HENRIETTA, NEW YORK



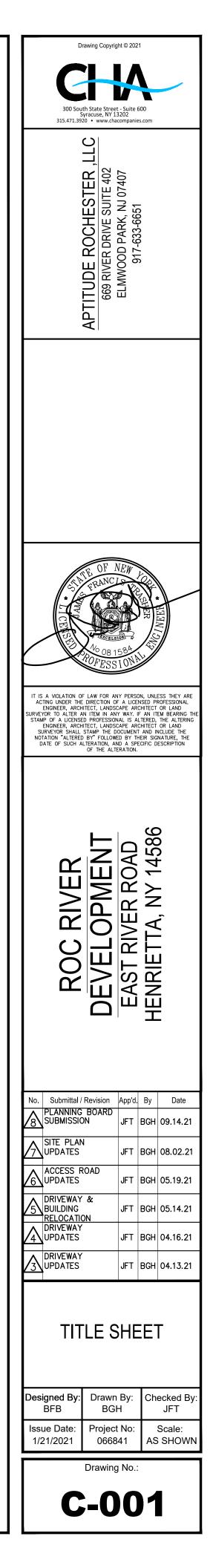


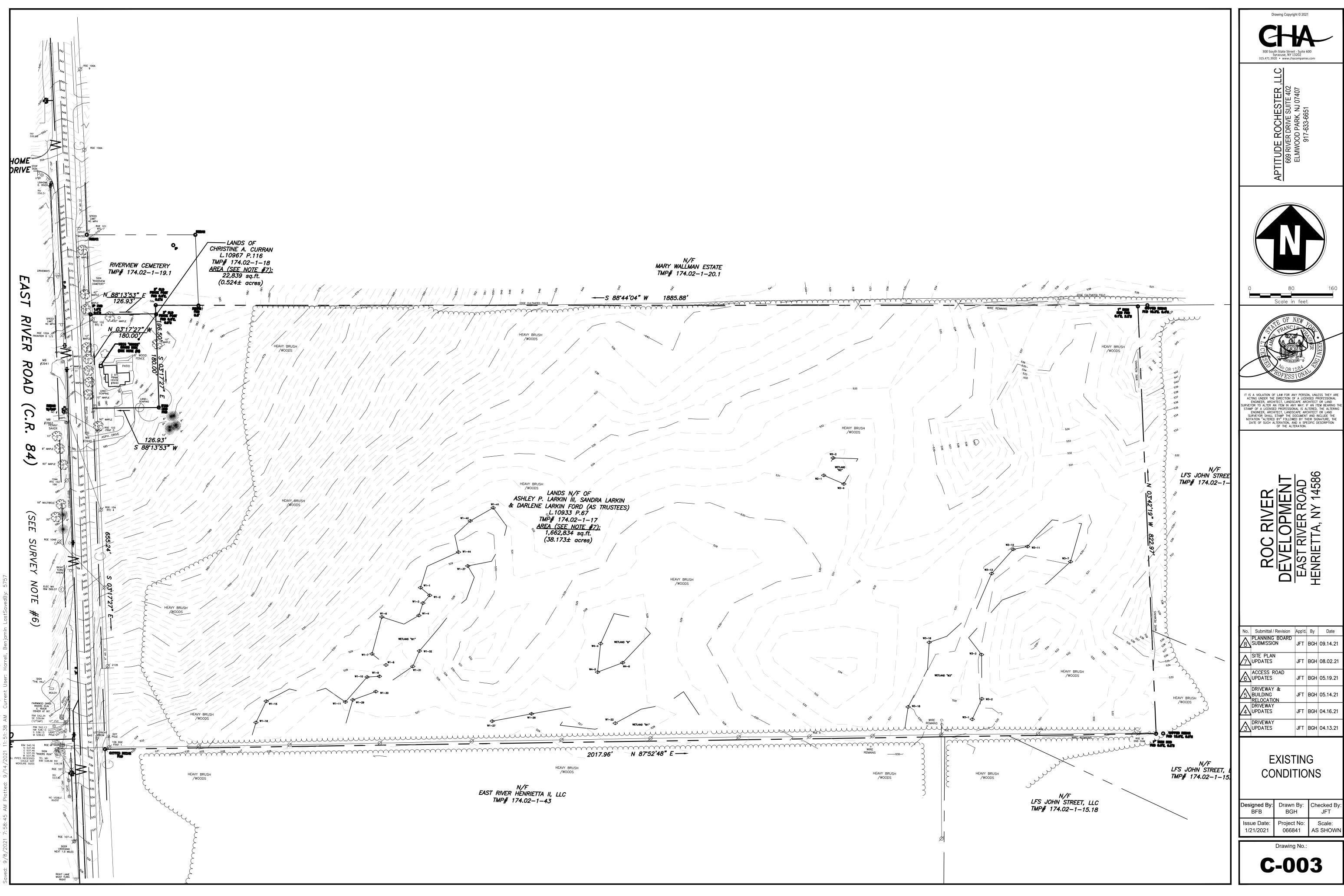
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Sheet Number	Sheet Title		
C-001	TITLE SHEET		
C-003	EXISTING CONDITIONS		
C-100	OVERALL LAYOUT		
C-101	SITE LAYOUT		
C-102	SITE LAYOUT		
C-200	OVERALL GRADING PLAN		
C-201	SITE GRADING		
C-202	SITE GRADING		
C-203	SITE DRAINAGE		
C-204	SITE DRAINAGE		
C-300	OVERALL UTILITY PLAN		
C-301	SITE UTILITY PLAN		
C-302	SITE UTILITY PLAN		
C-303	UTILITY PROFILE		
C-304	UTILITY PROFILE		
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C-500	OVERALL EROSION & SEDIMENT CONTROL PLAN		
C-501	EROSION & SEDIMENT CONTROL PLAN		
C-502	EROSION & SEDIMENT CONTROL PLAN		
C-551	EROSION CONTROL DETAILS		
C-601	DETAILS		
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C-604	DETAILS		
C-605	DETAILS		
C-606	DETAILS		
C-700	LIGHTING PLAN		
C-701	LIGHTING CUT SHEETS		
C-800	OVERALL LANDSCAPE PLAN		
C-801	LANDSCAPE PLAN		
C-802	LANDSCAPE PLAN		

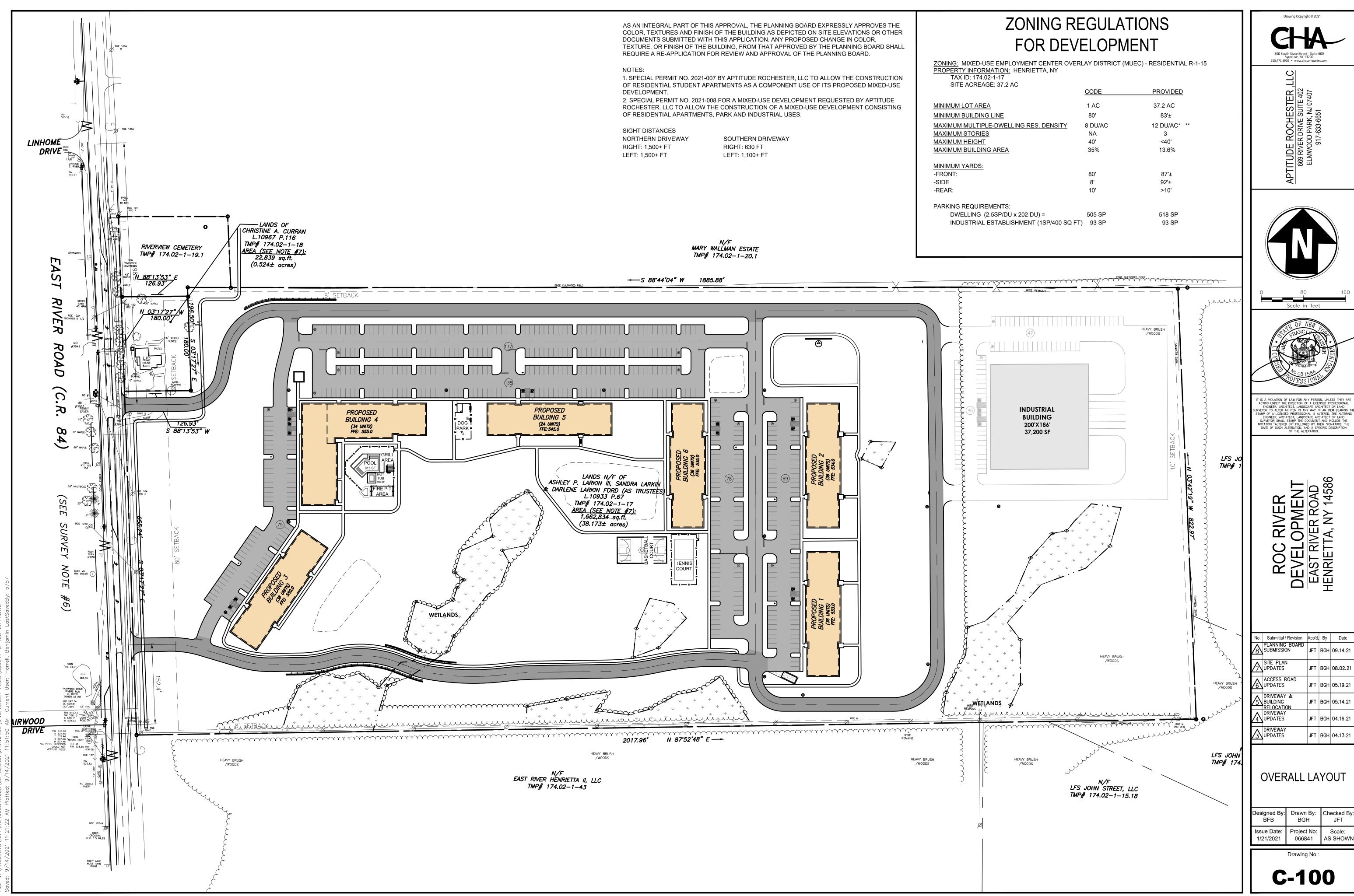


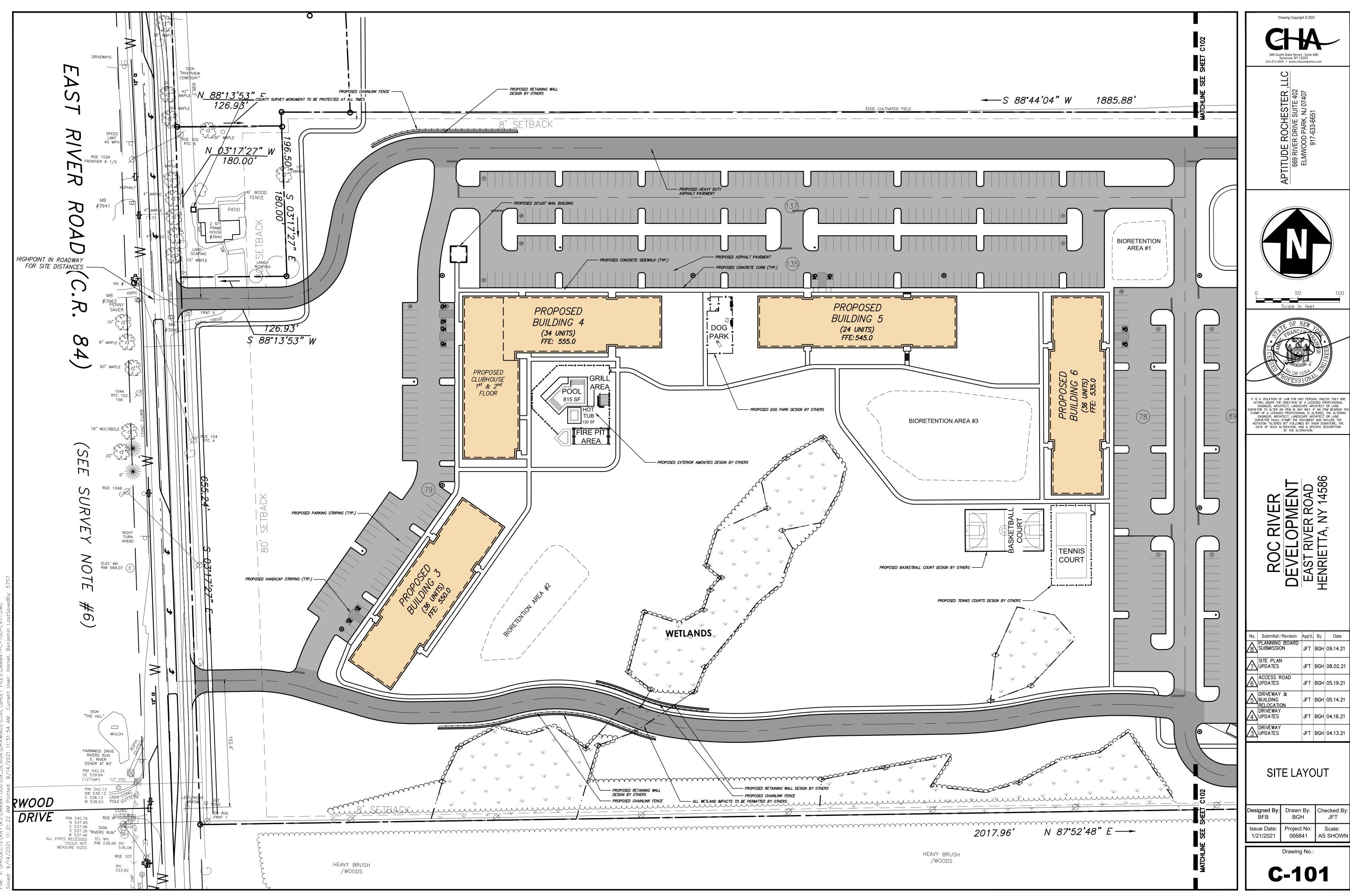
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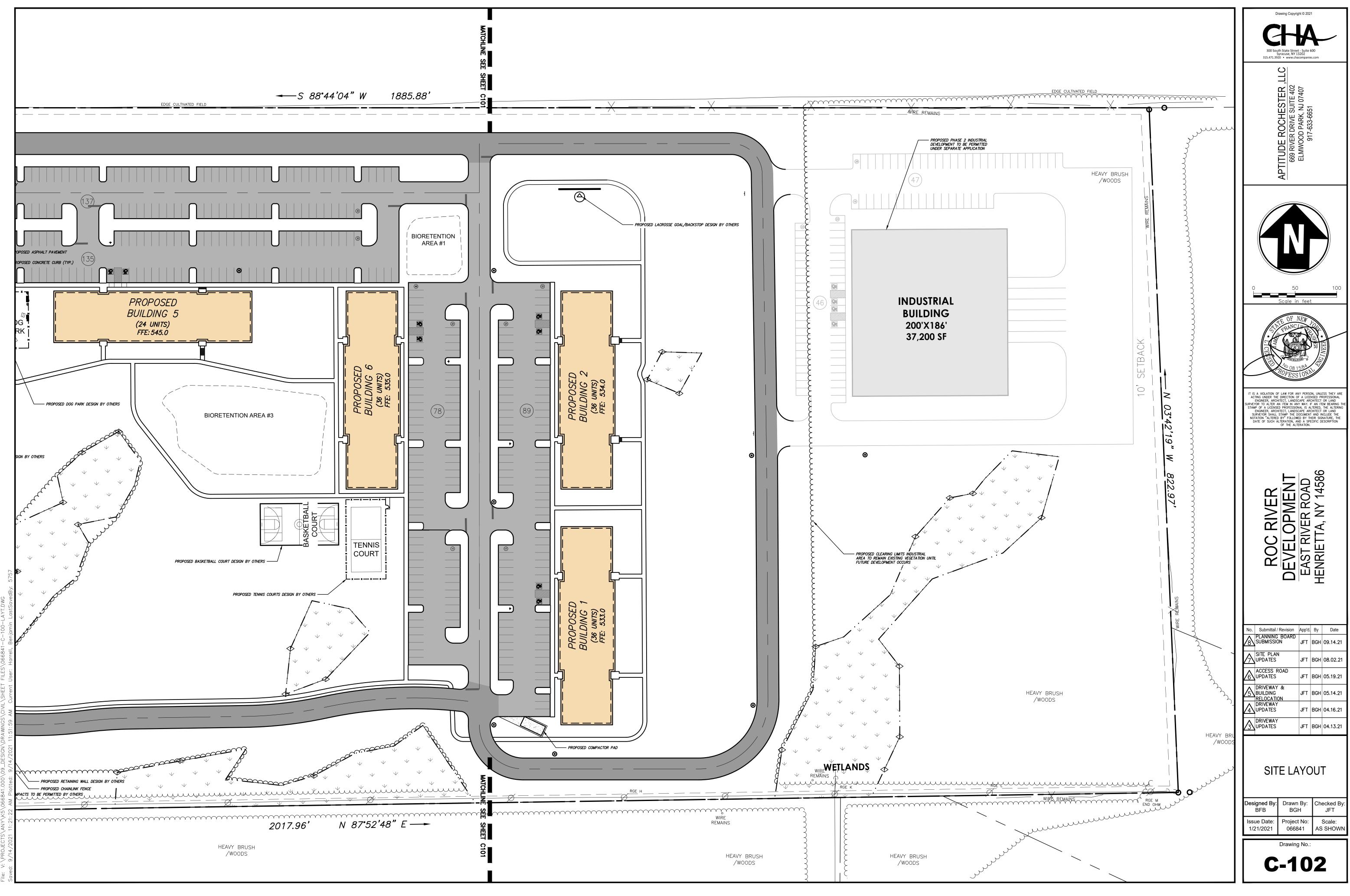
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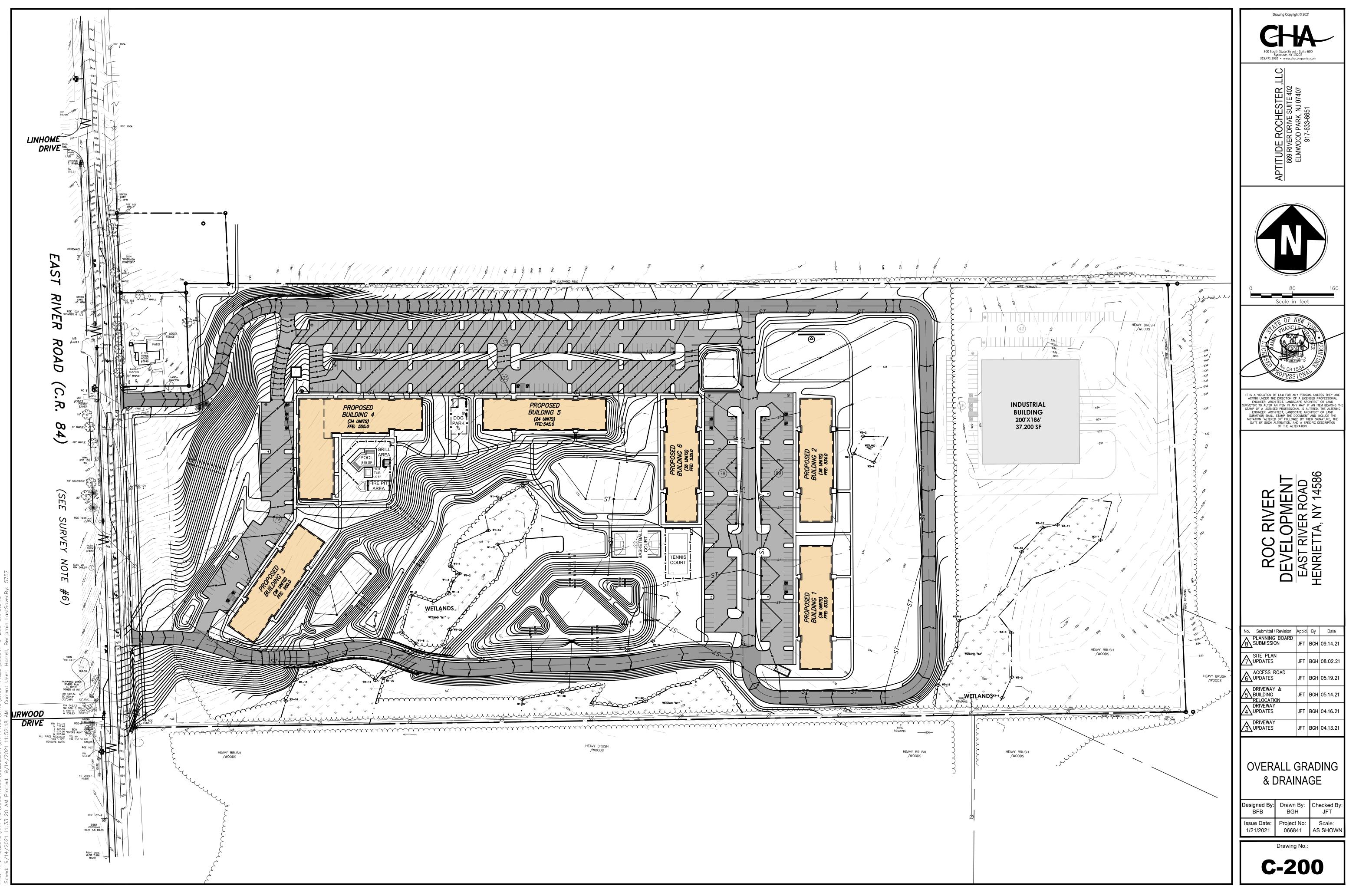


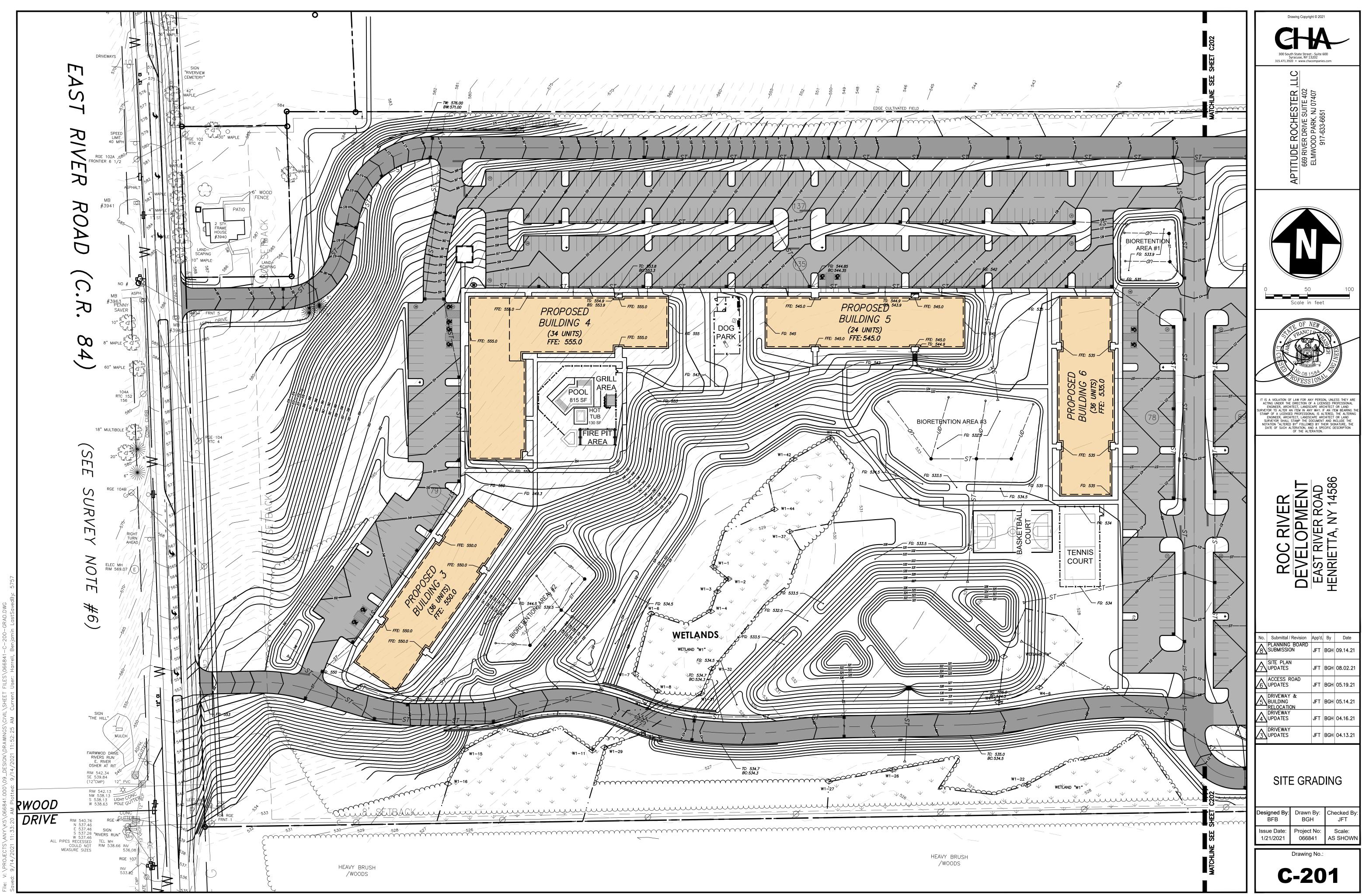


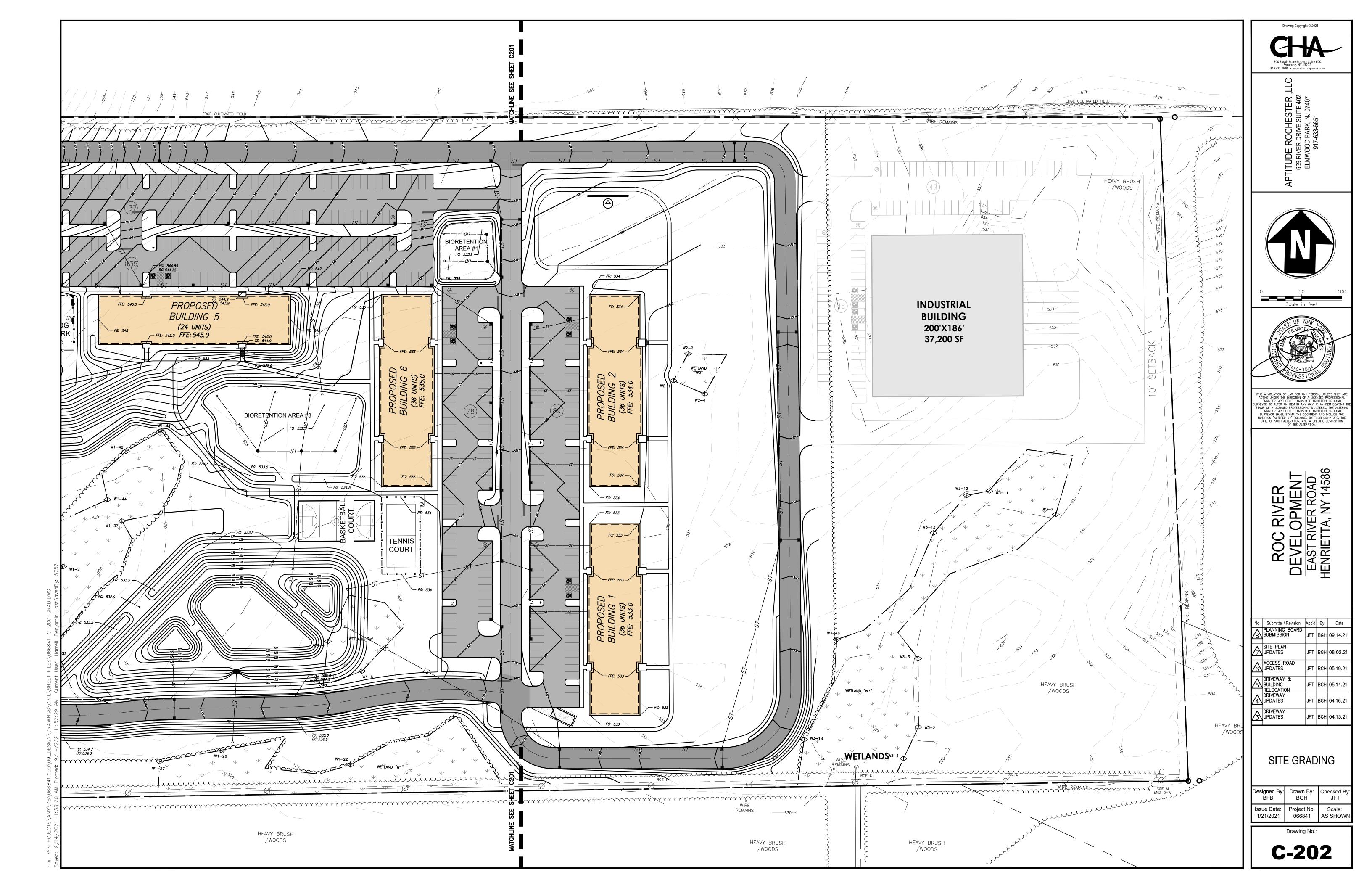


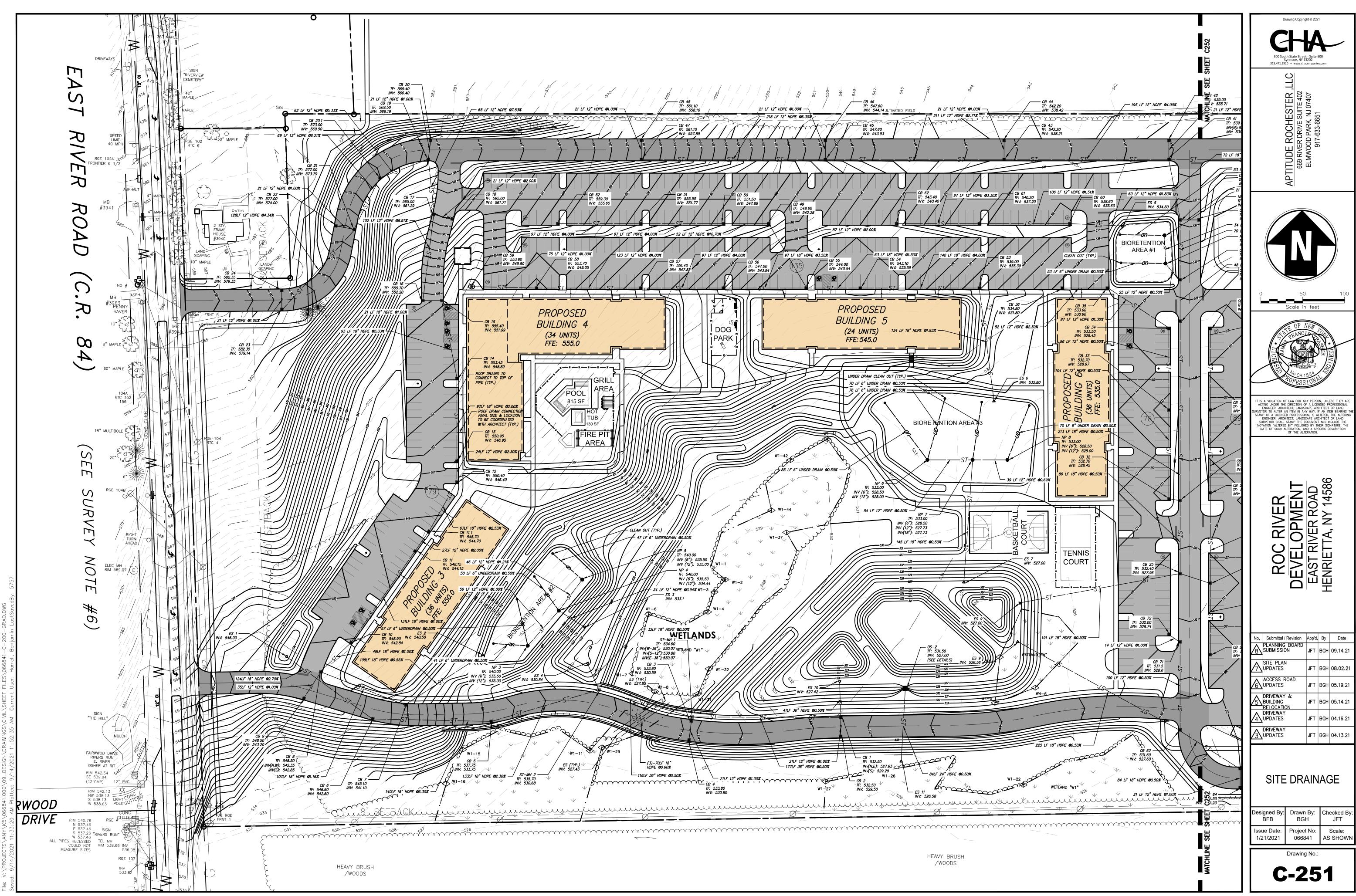


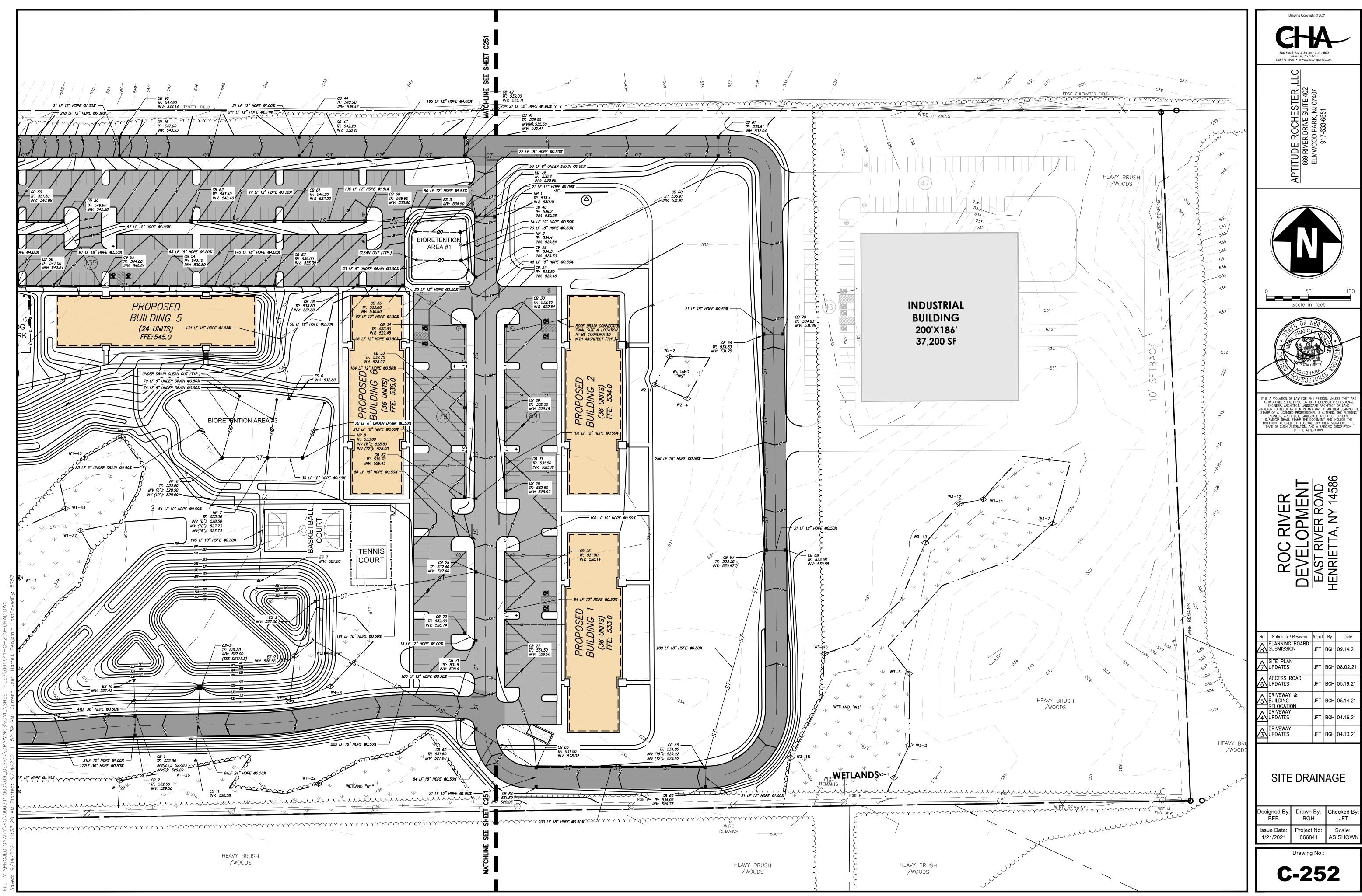


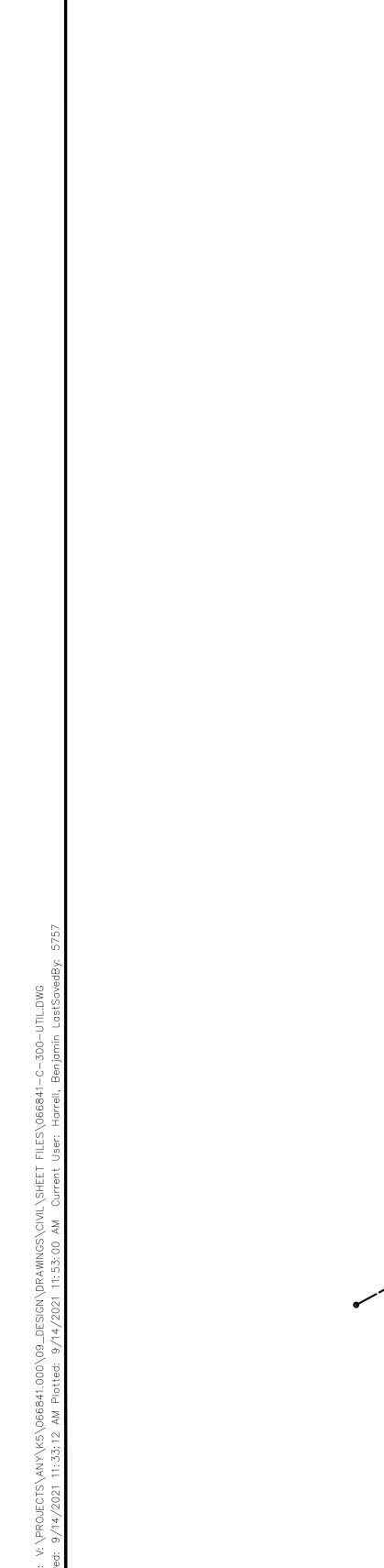


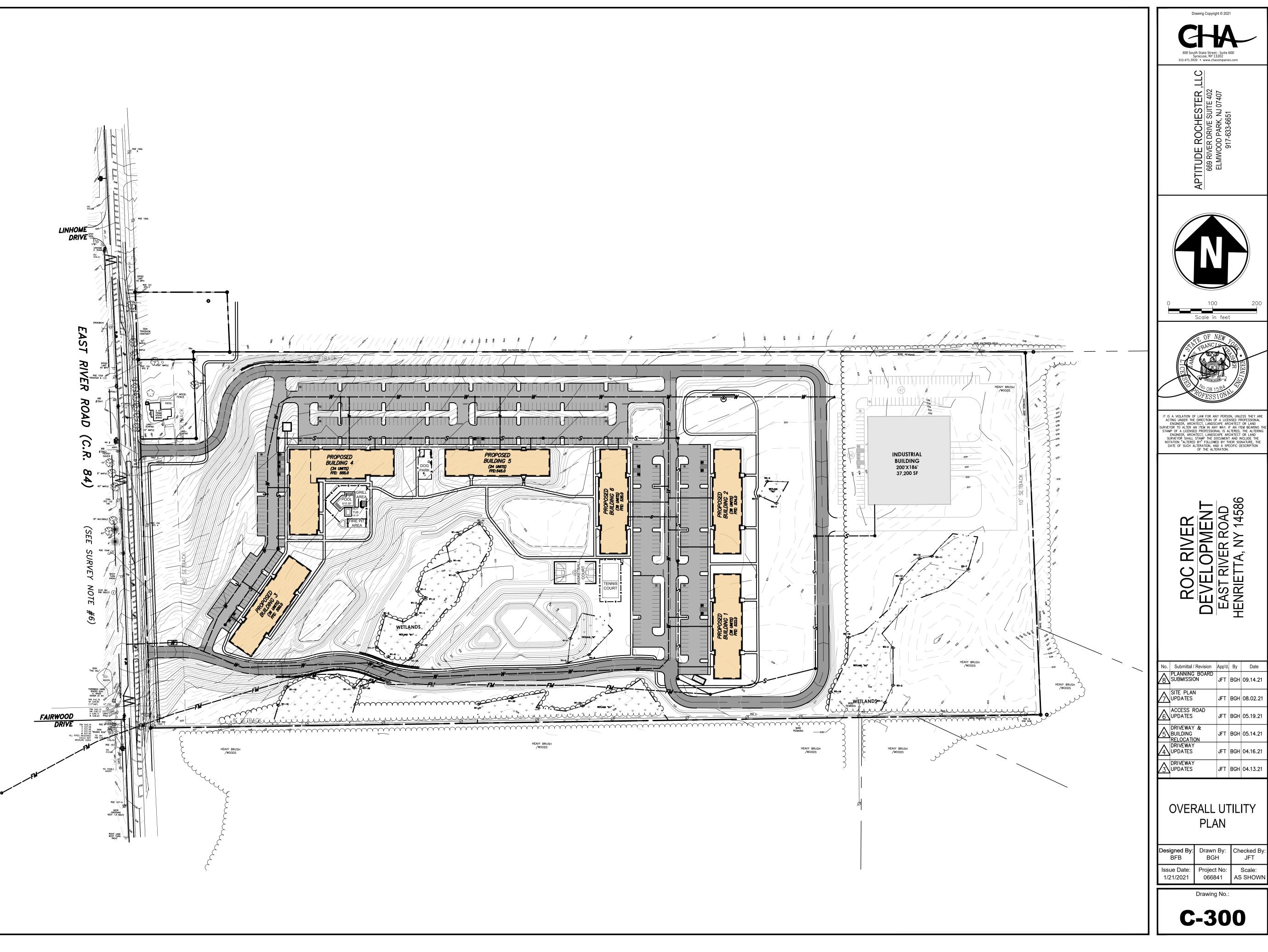


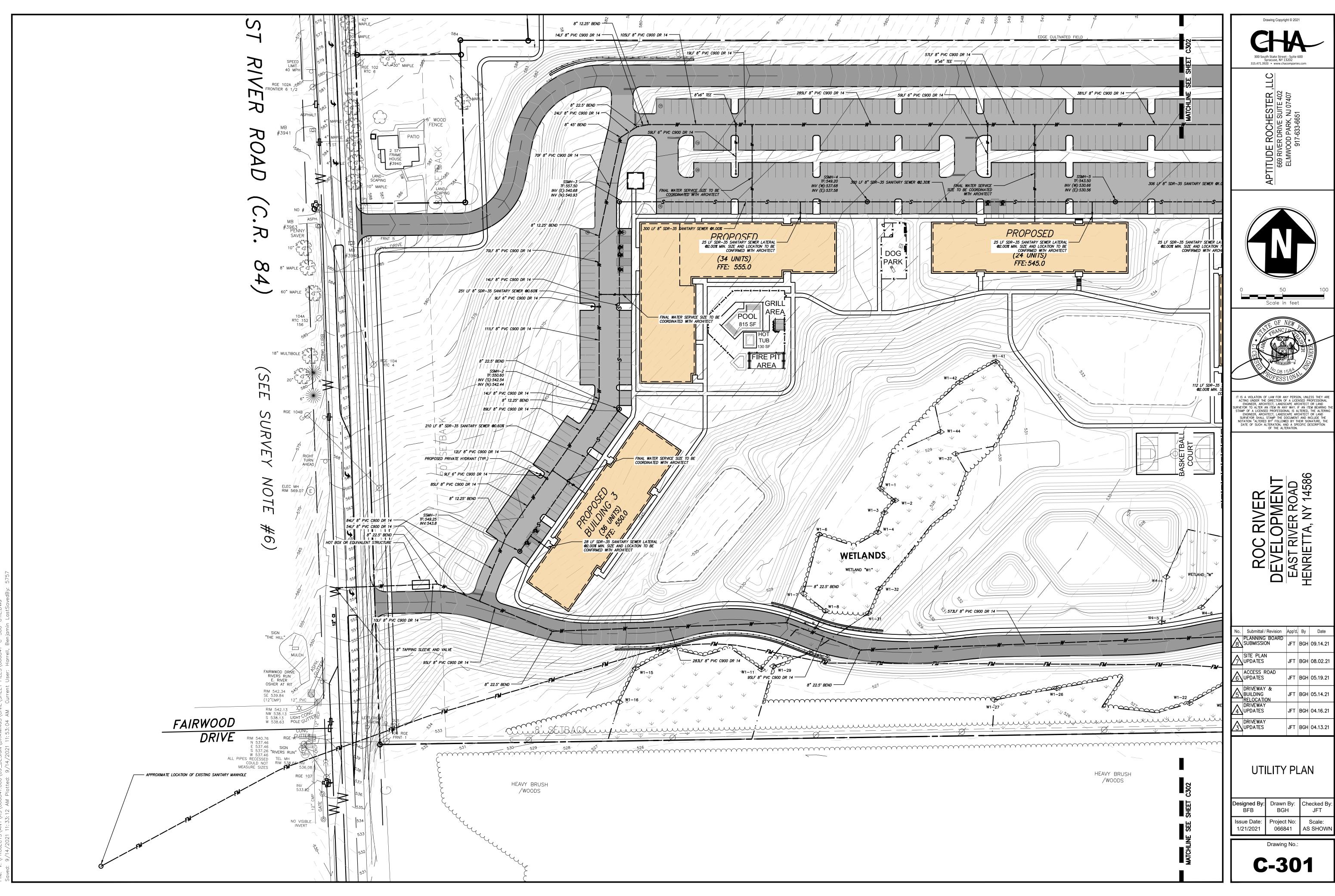


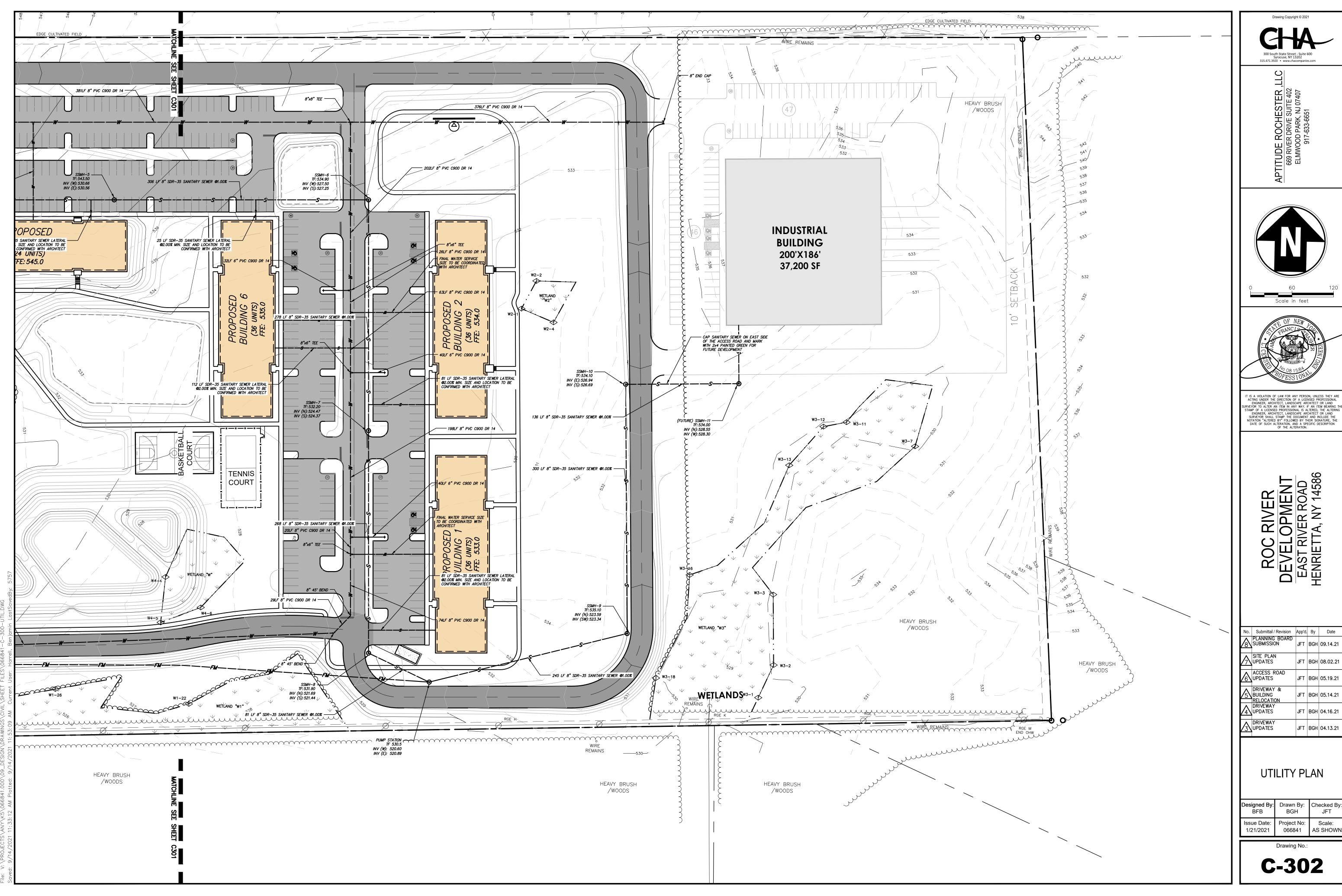


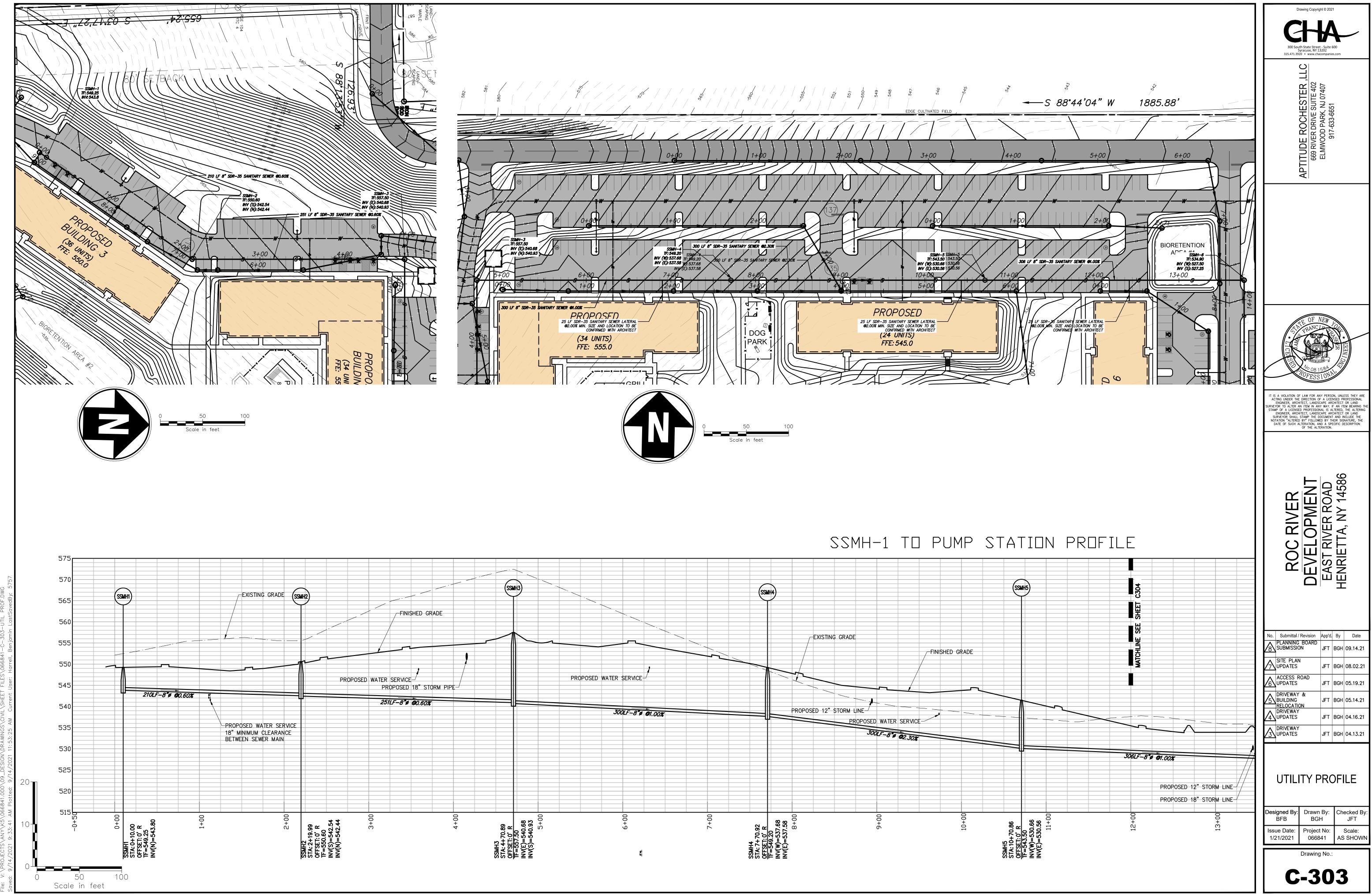


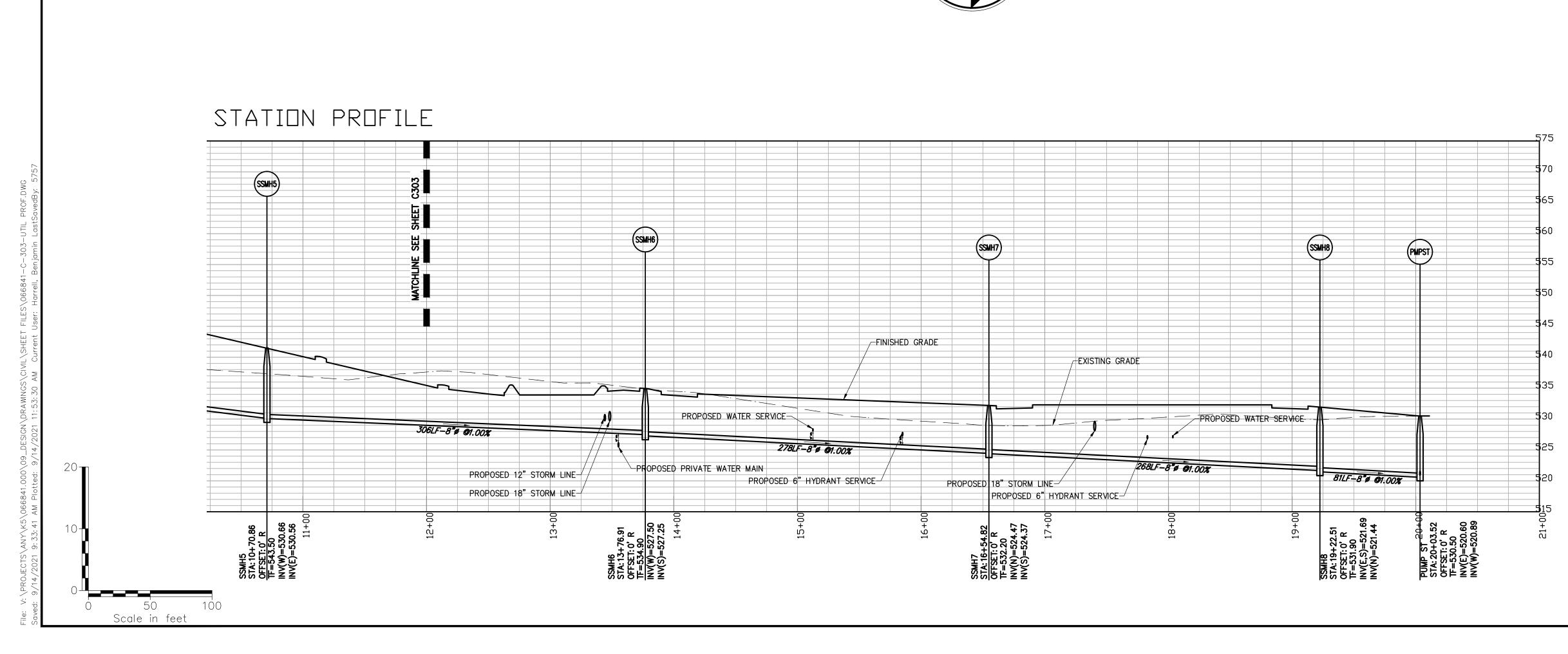


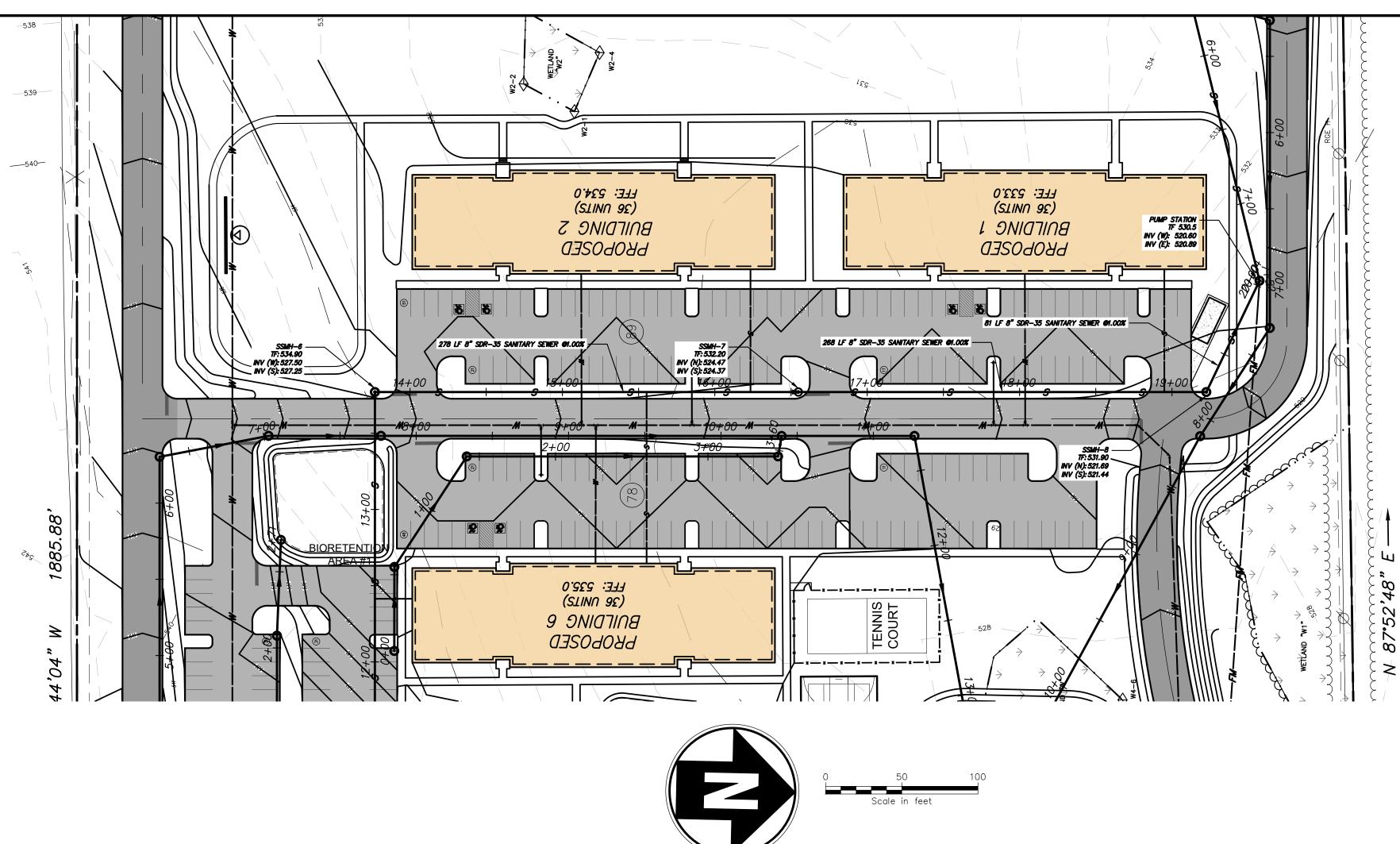


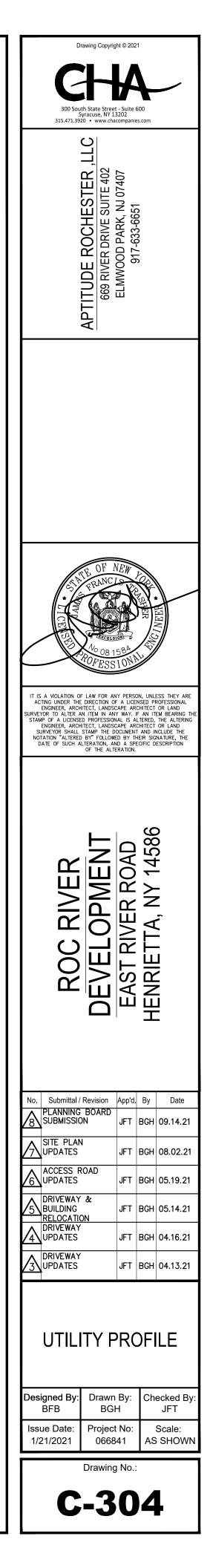


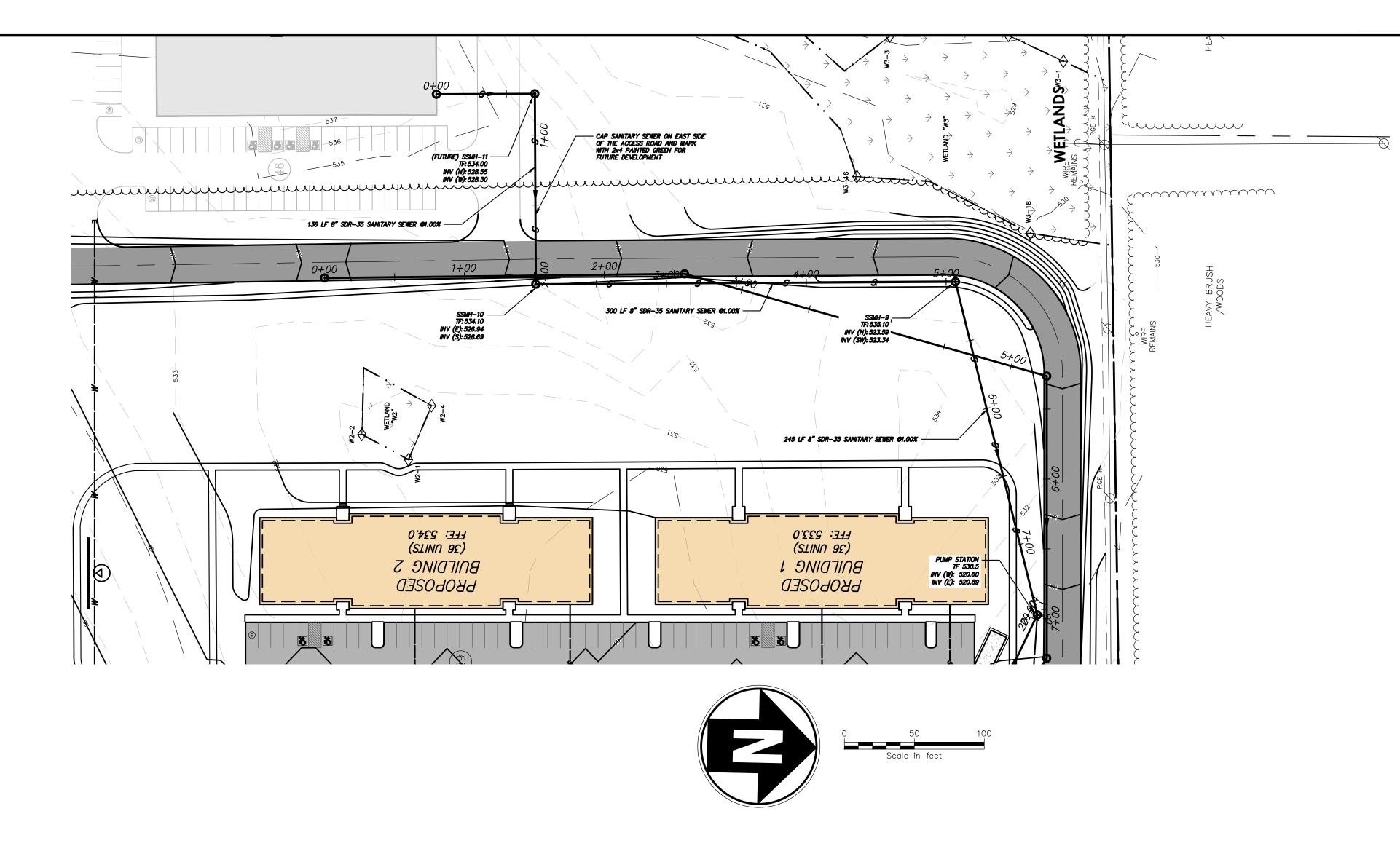


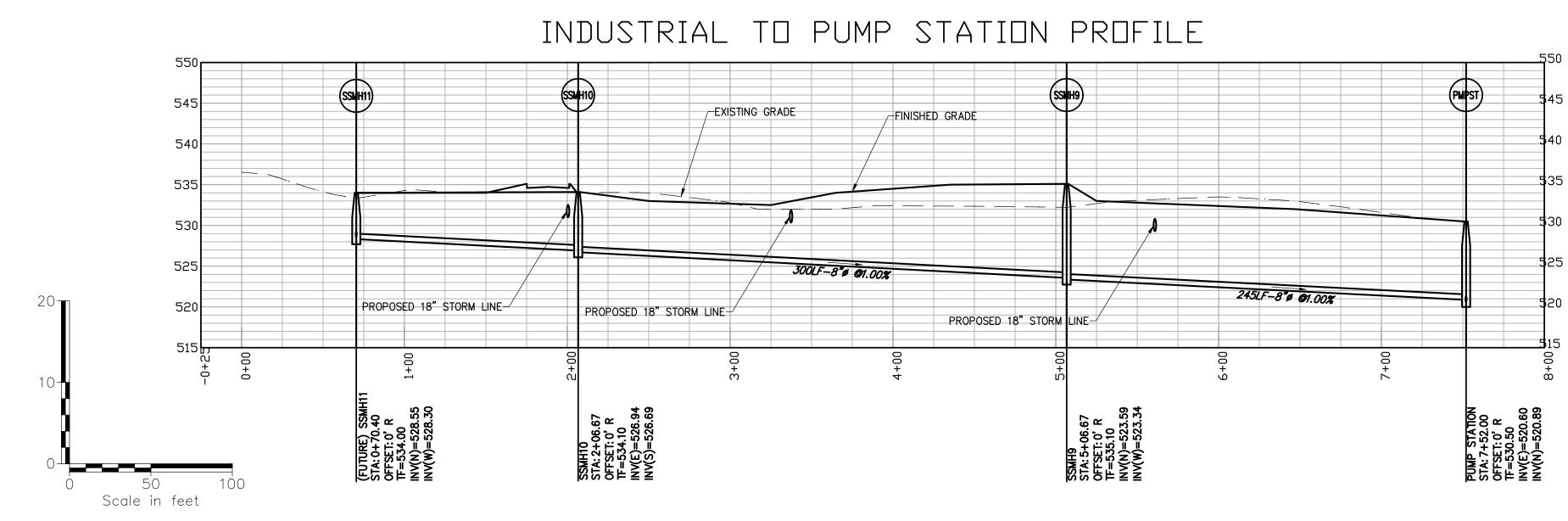




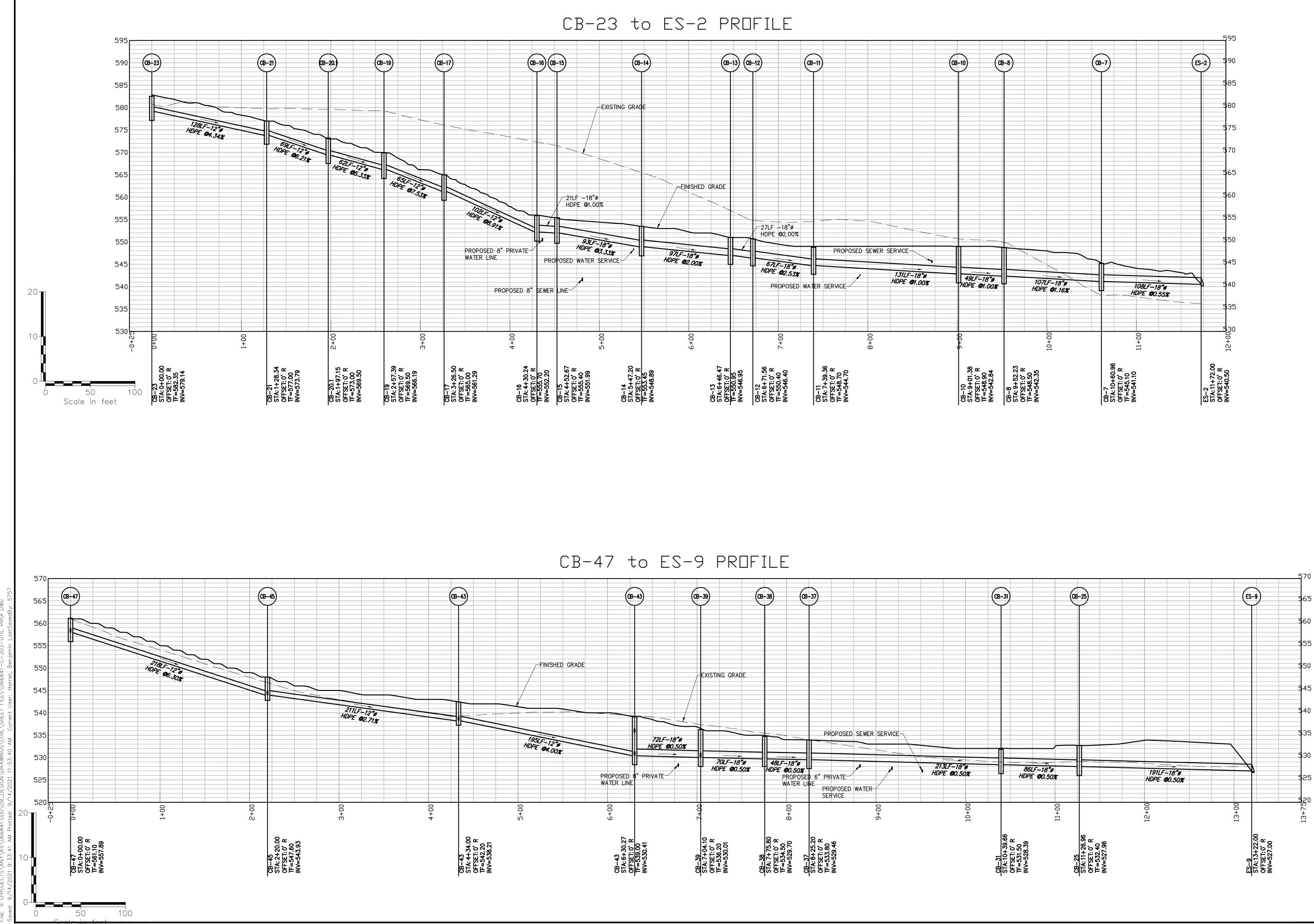


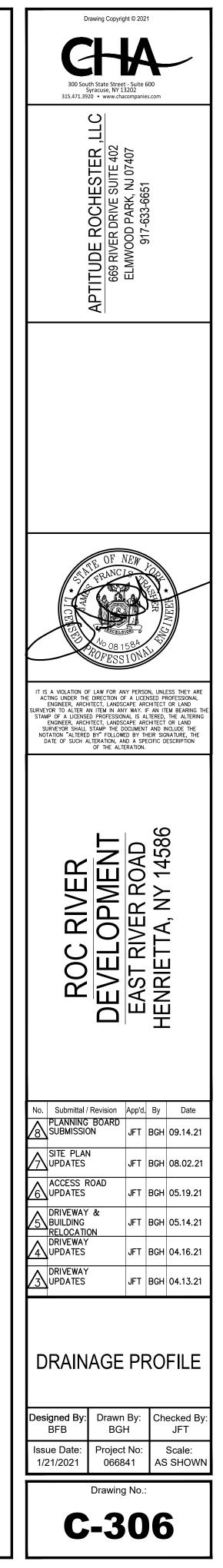




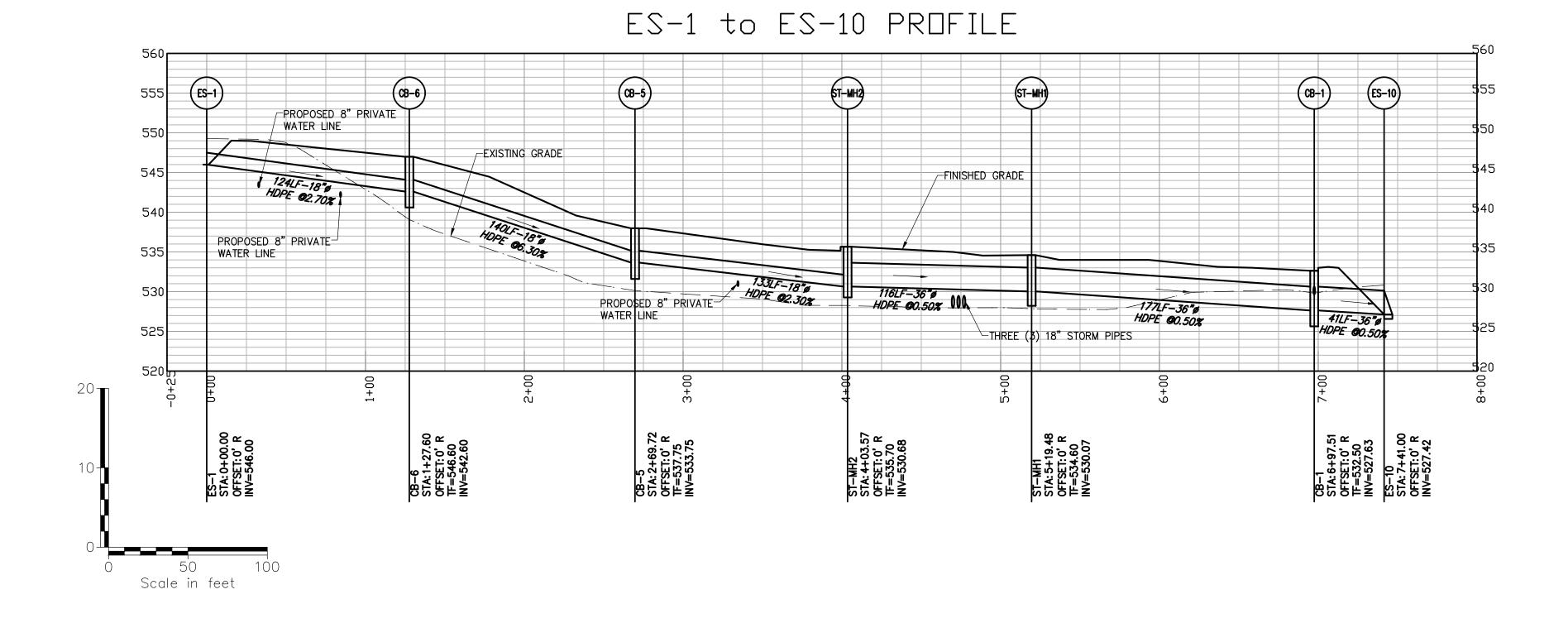


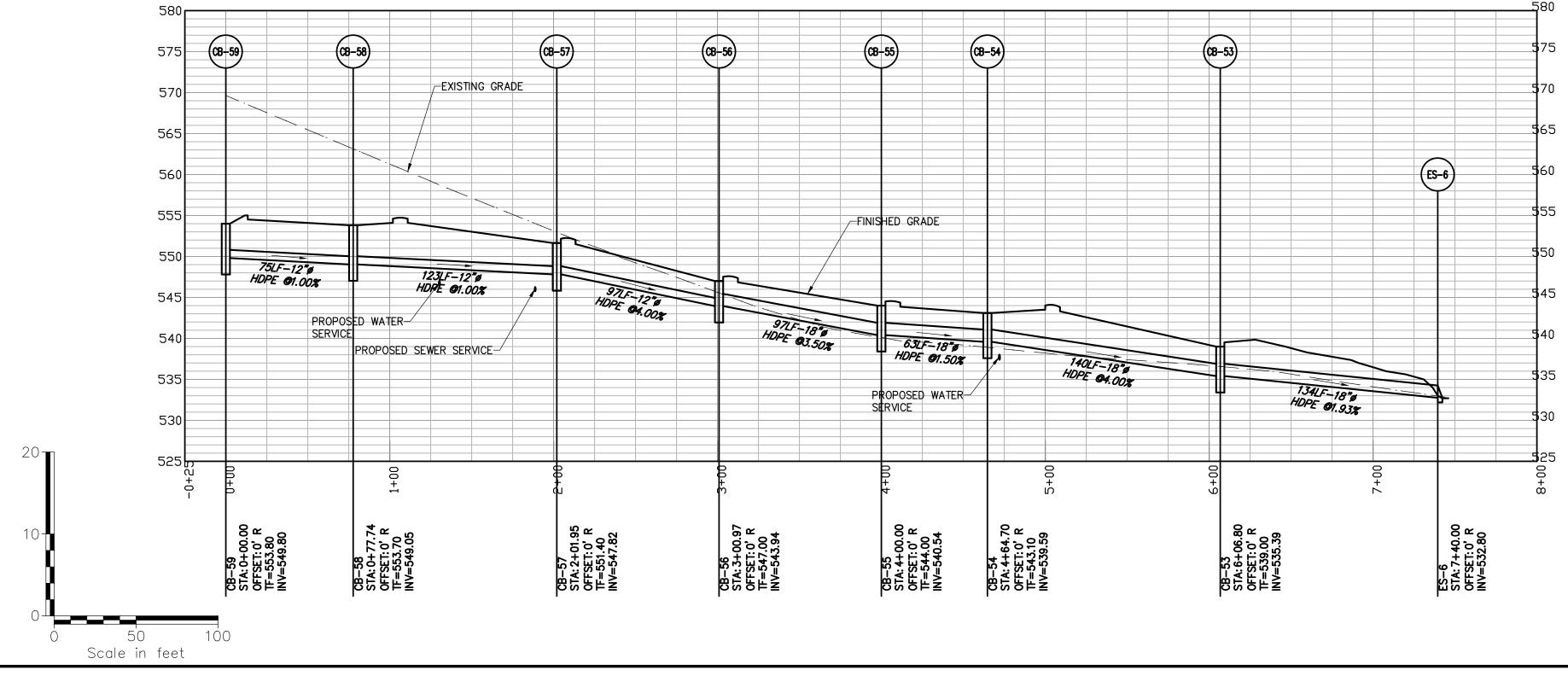
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DRIVEWAY & BUILDING RELOCATION	JFT	BGH	05.14.21			
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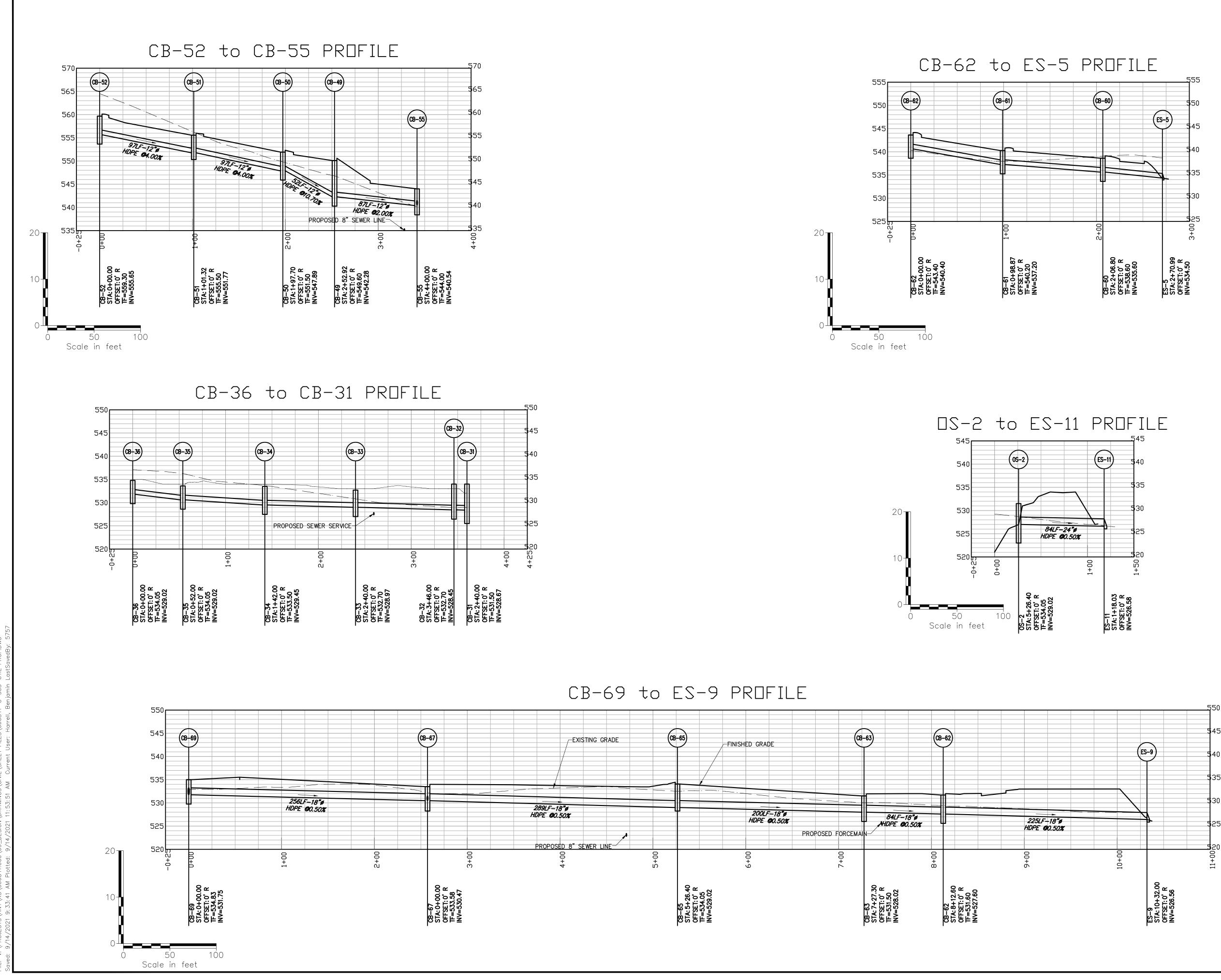


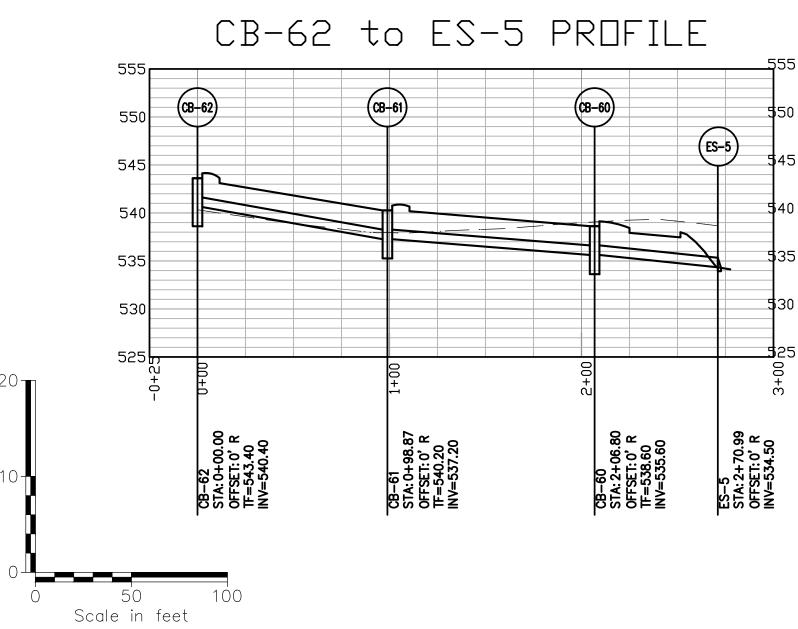


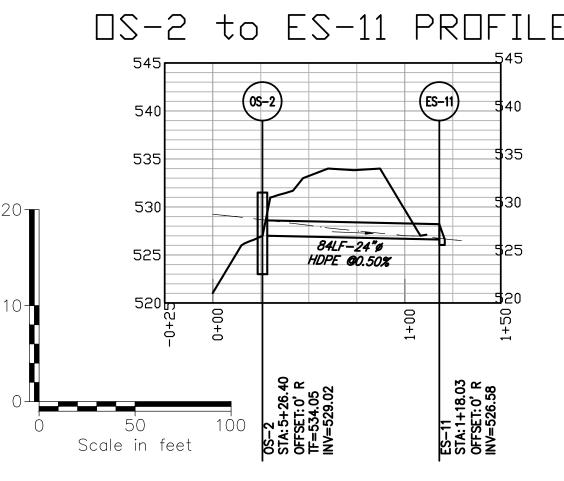


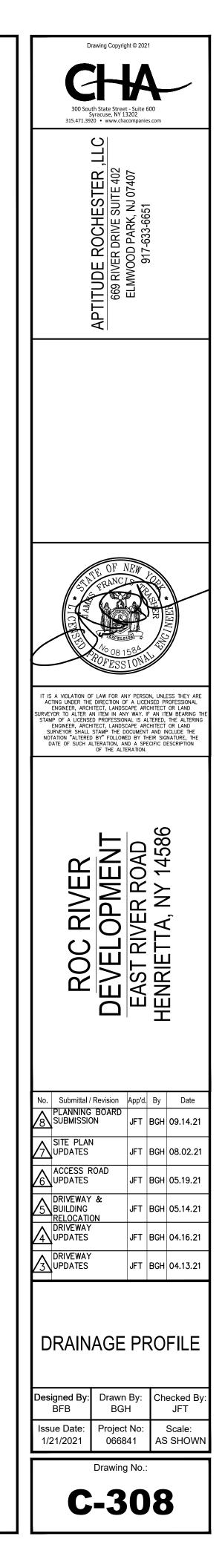
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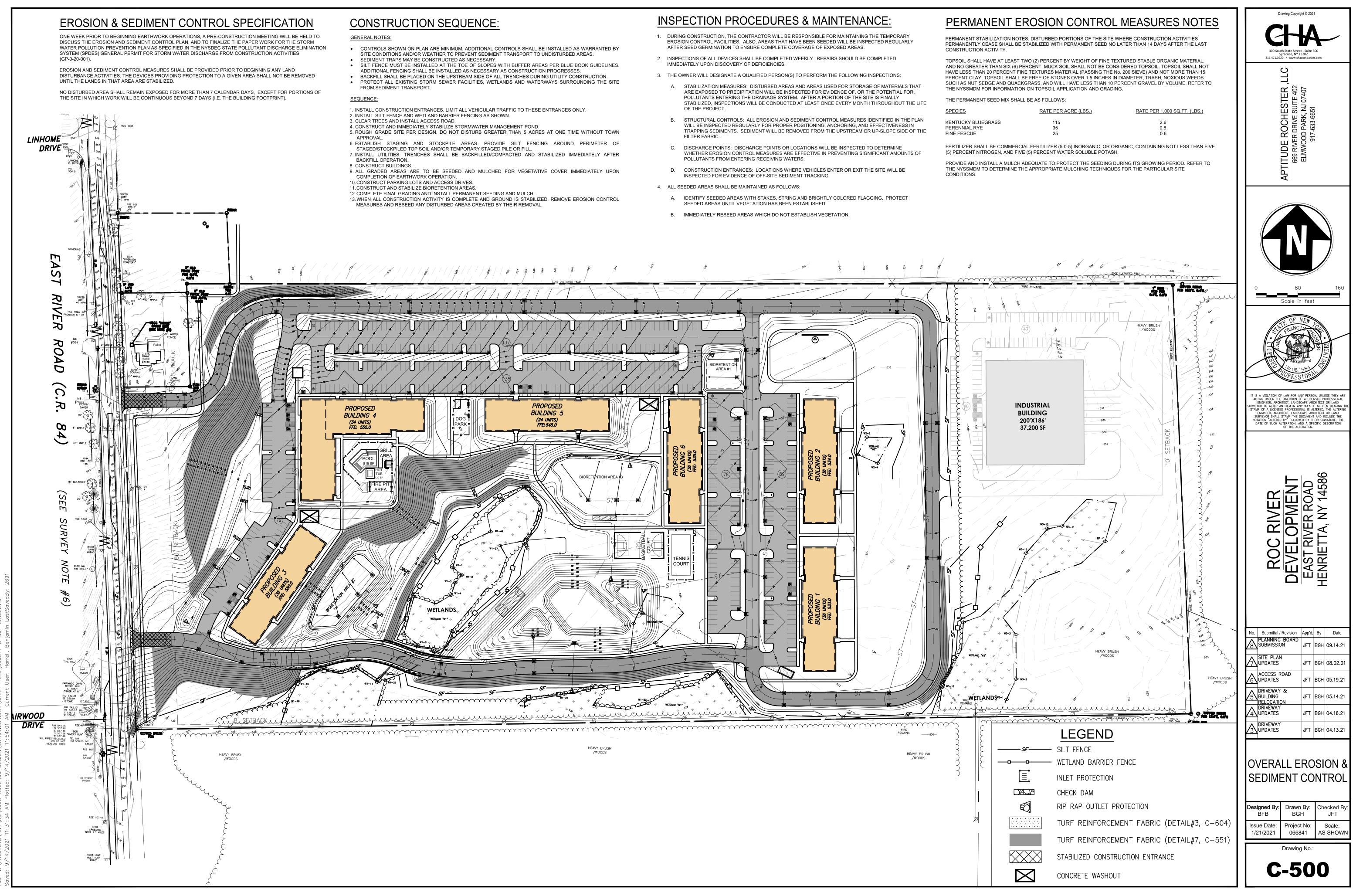
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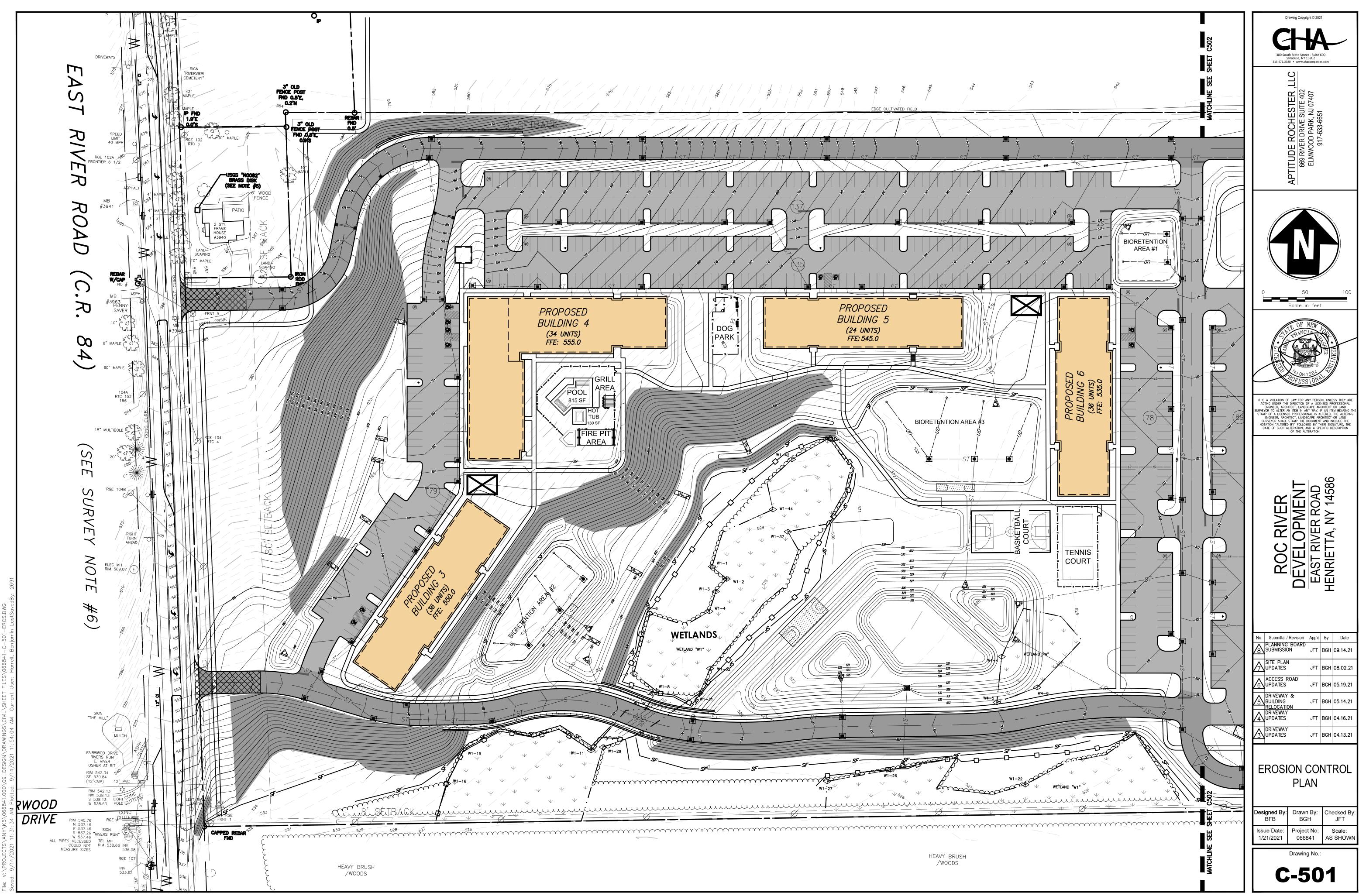


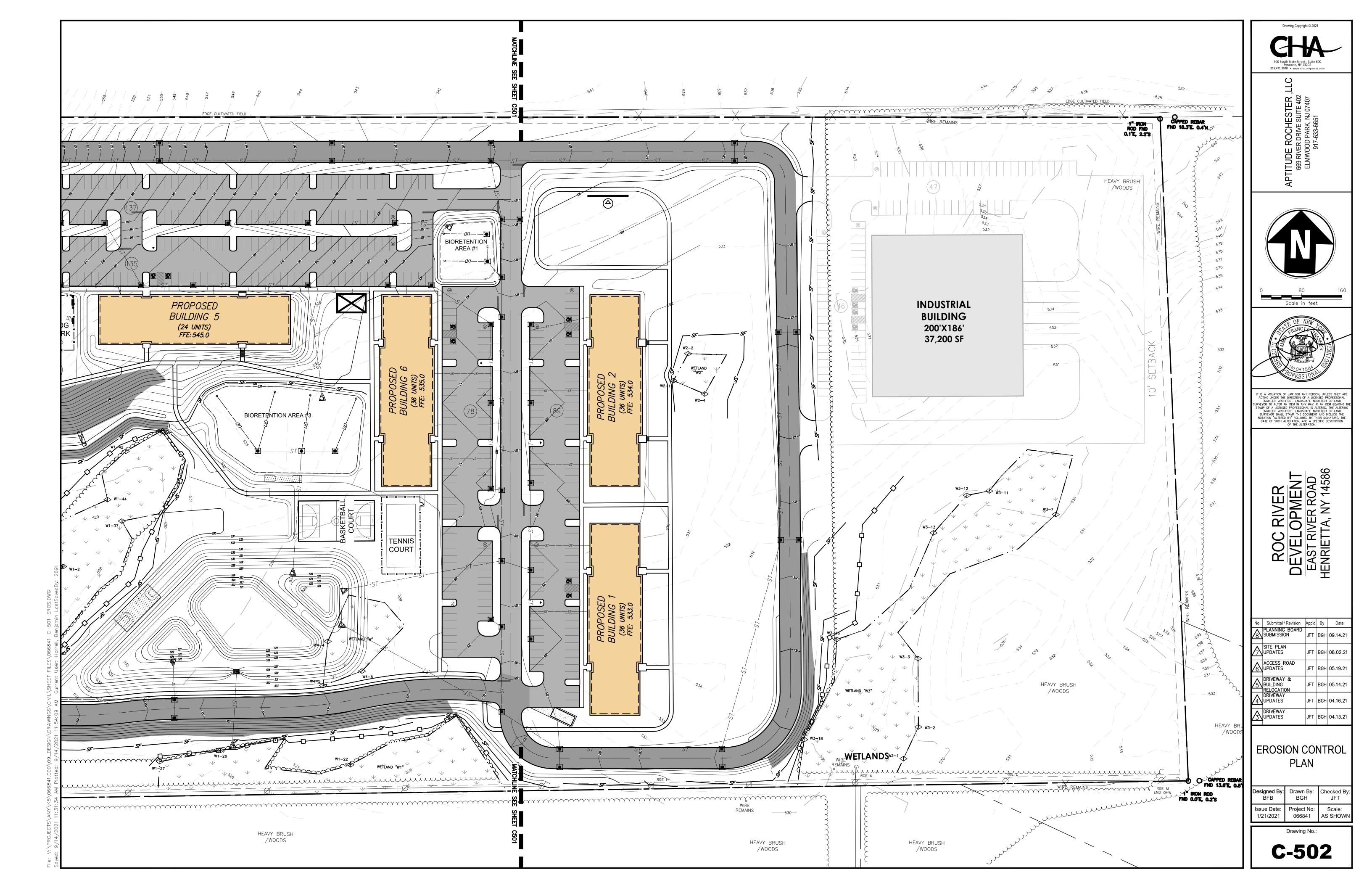


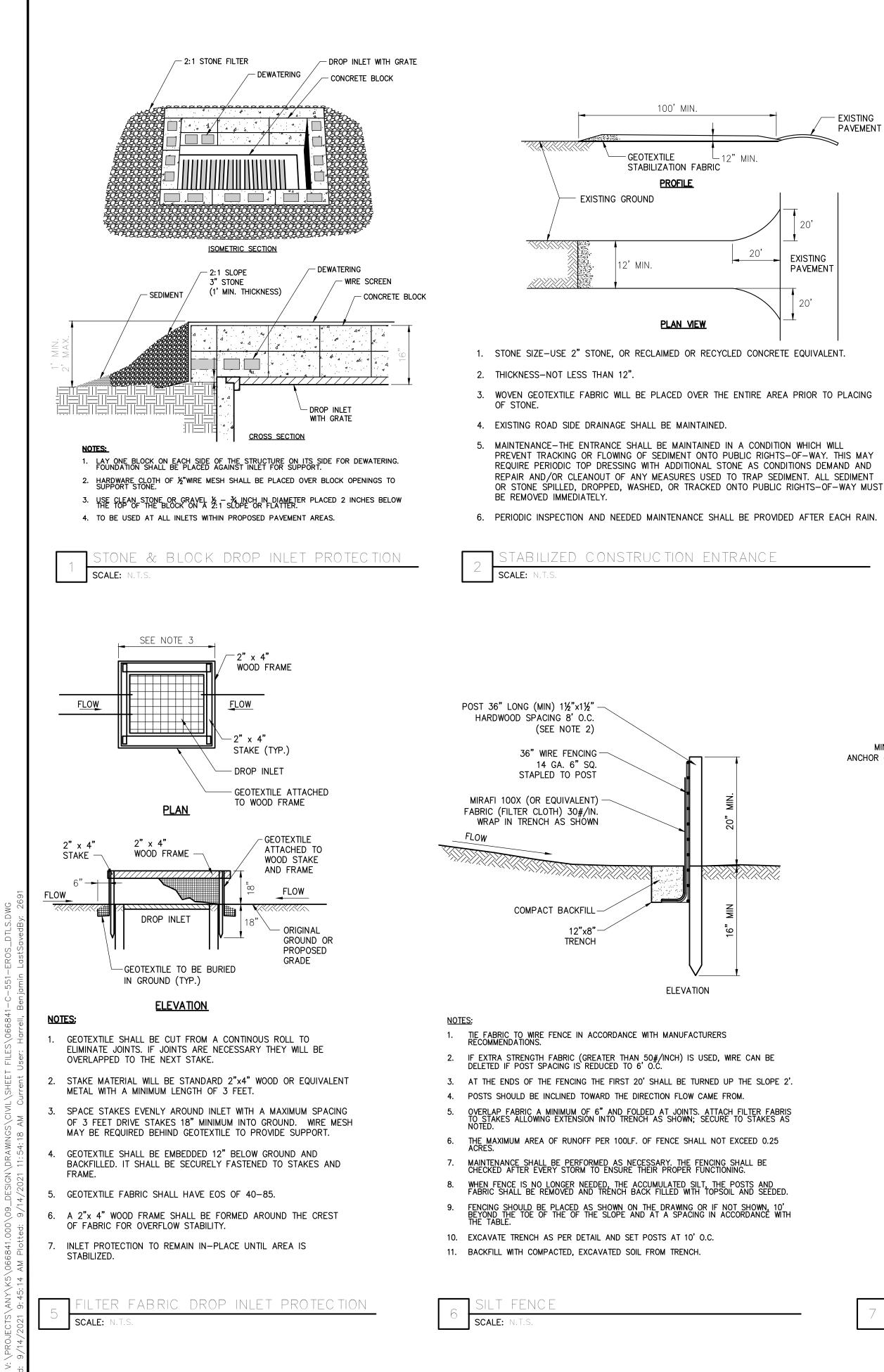


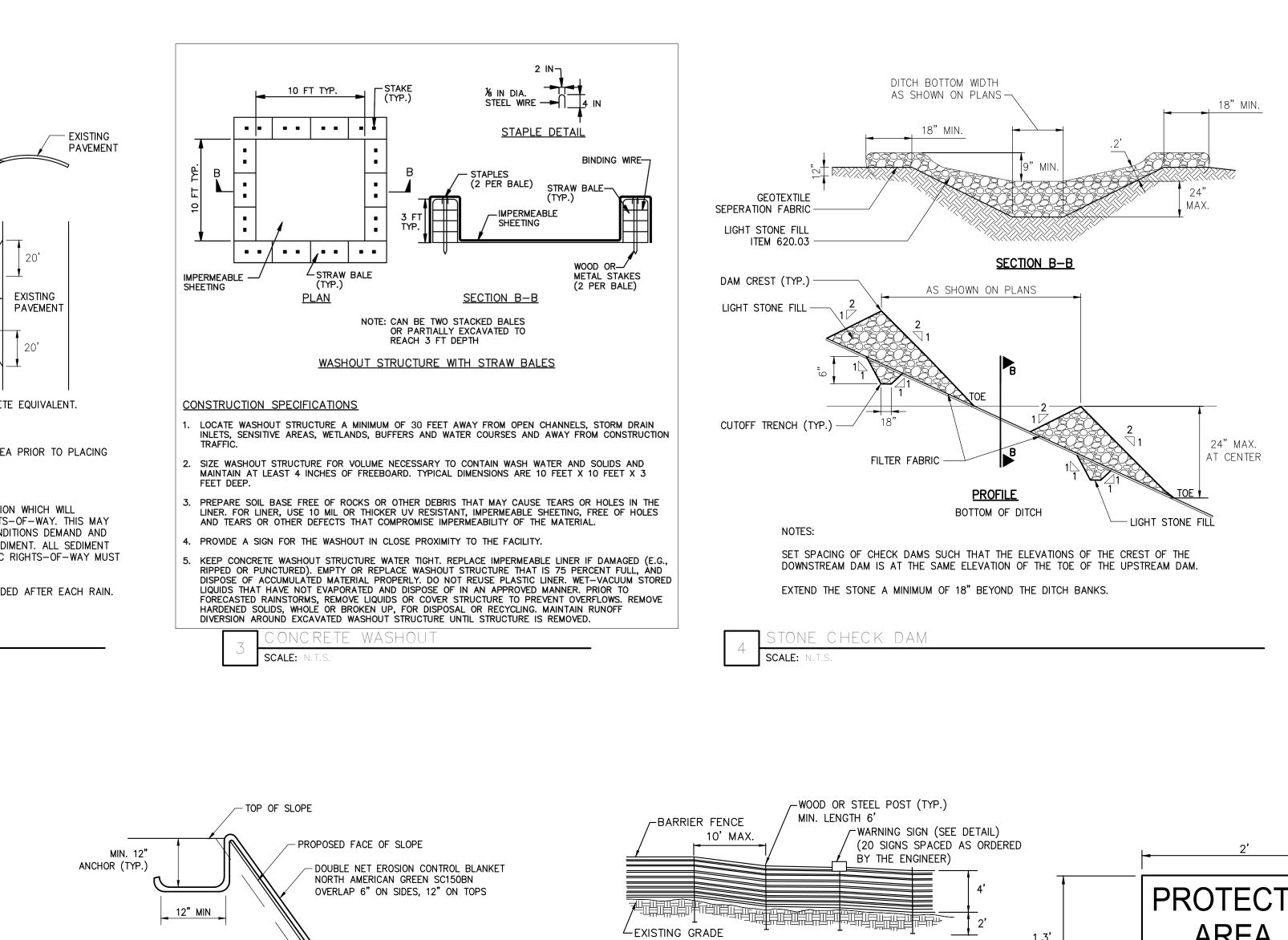


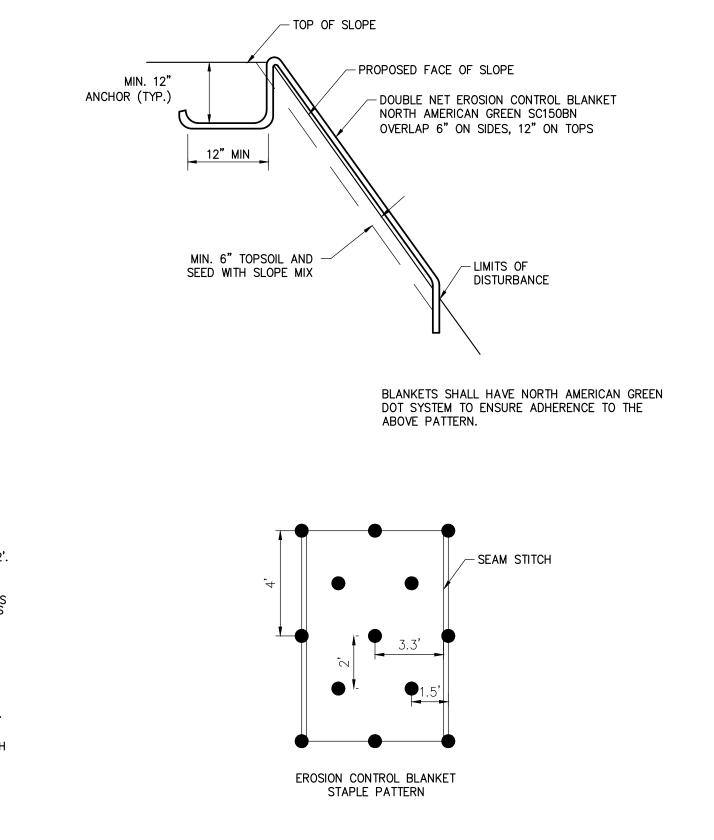






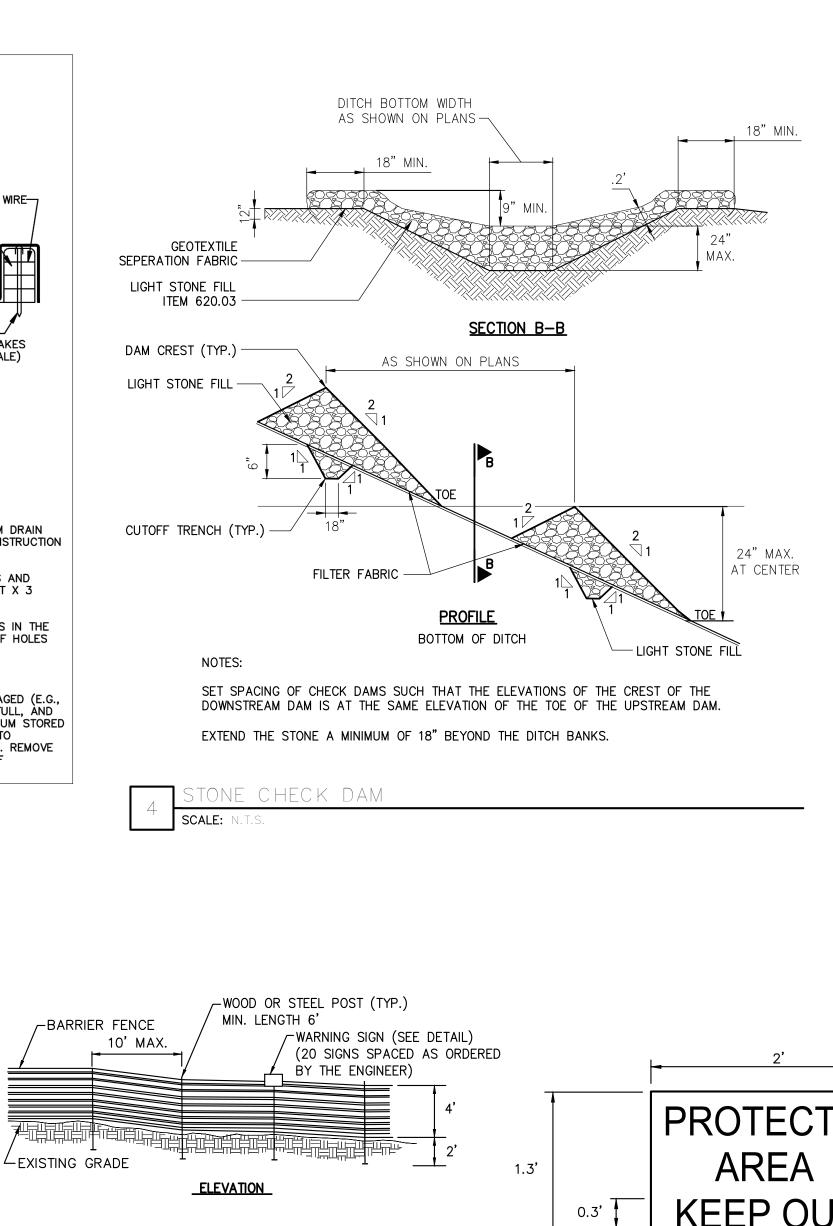


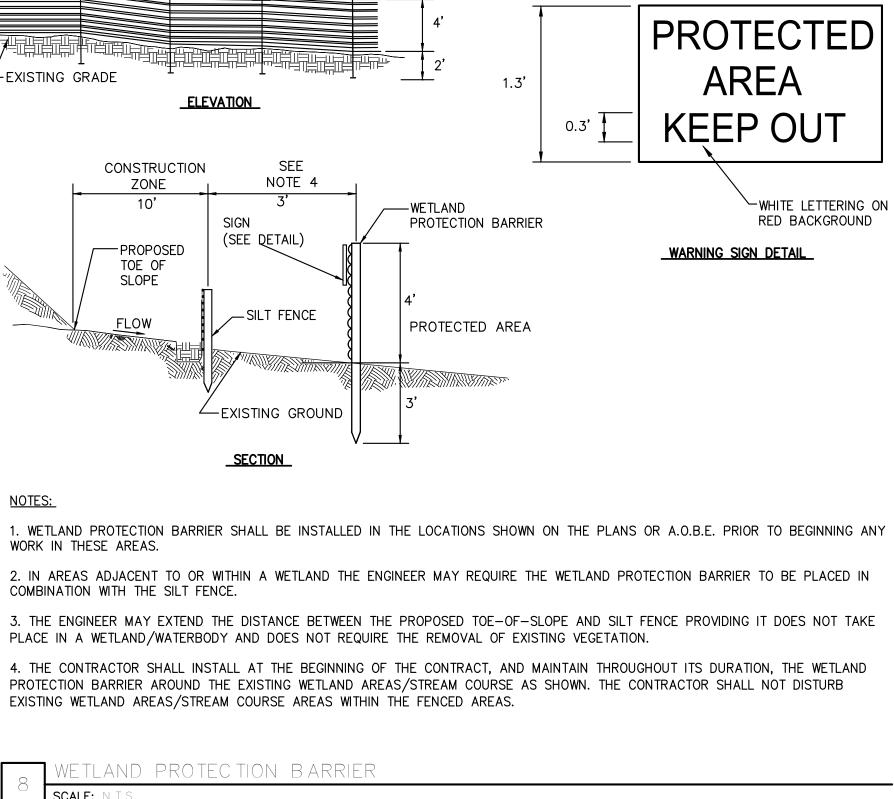




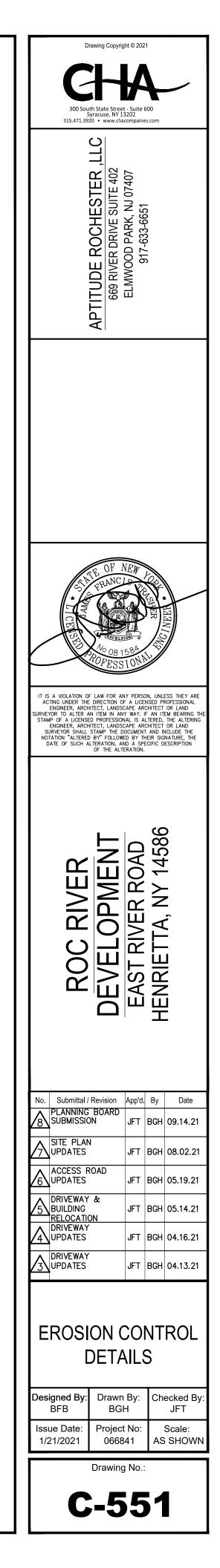
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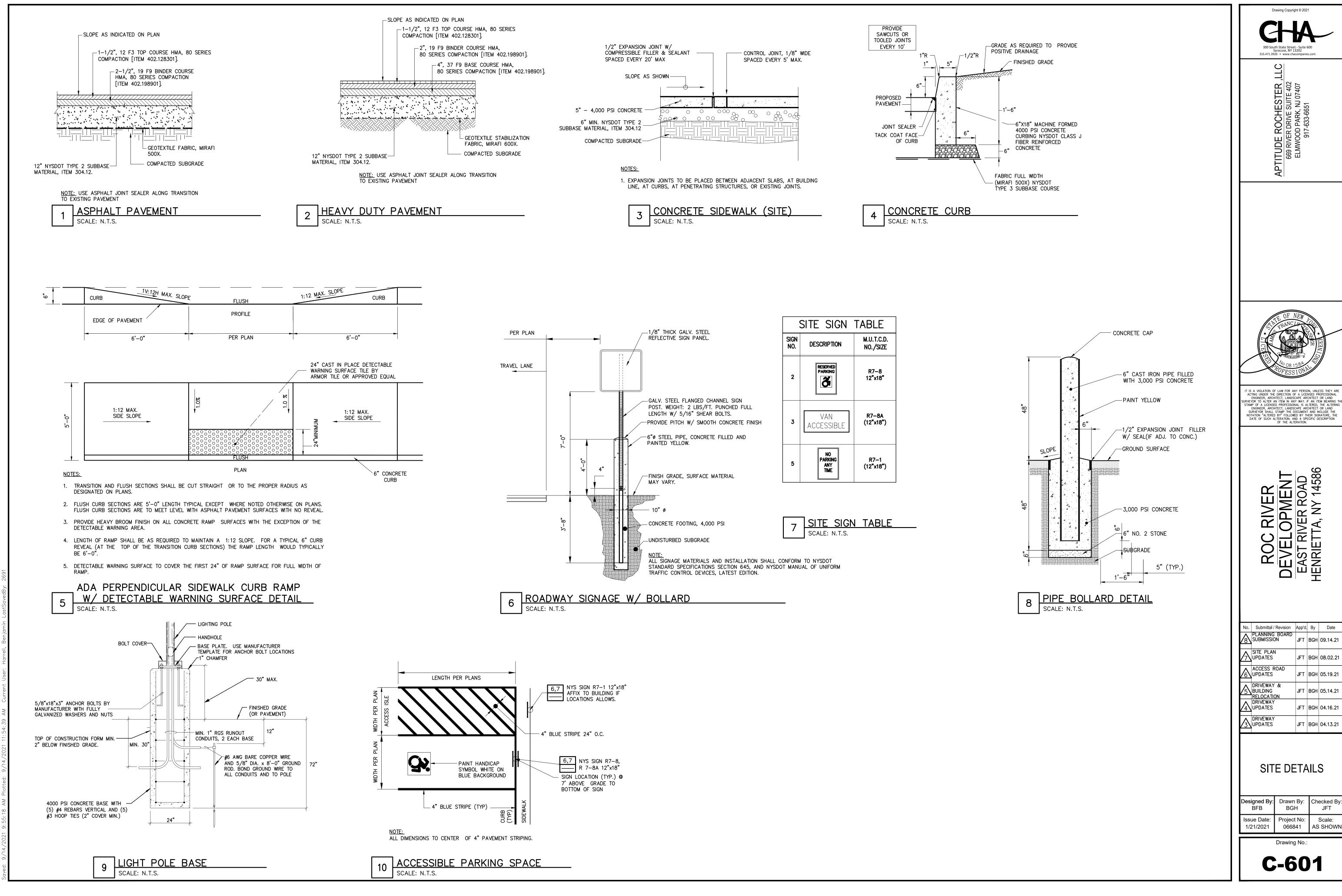
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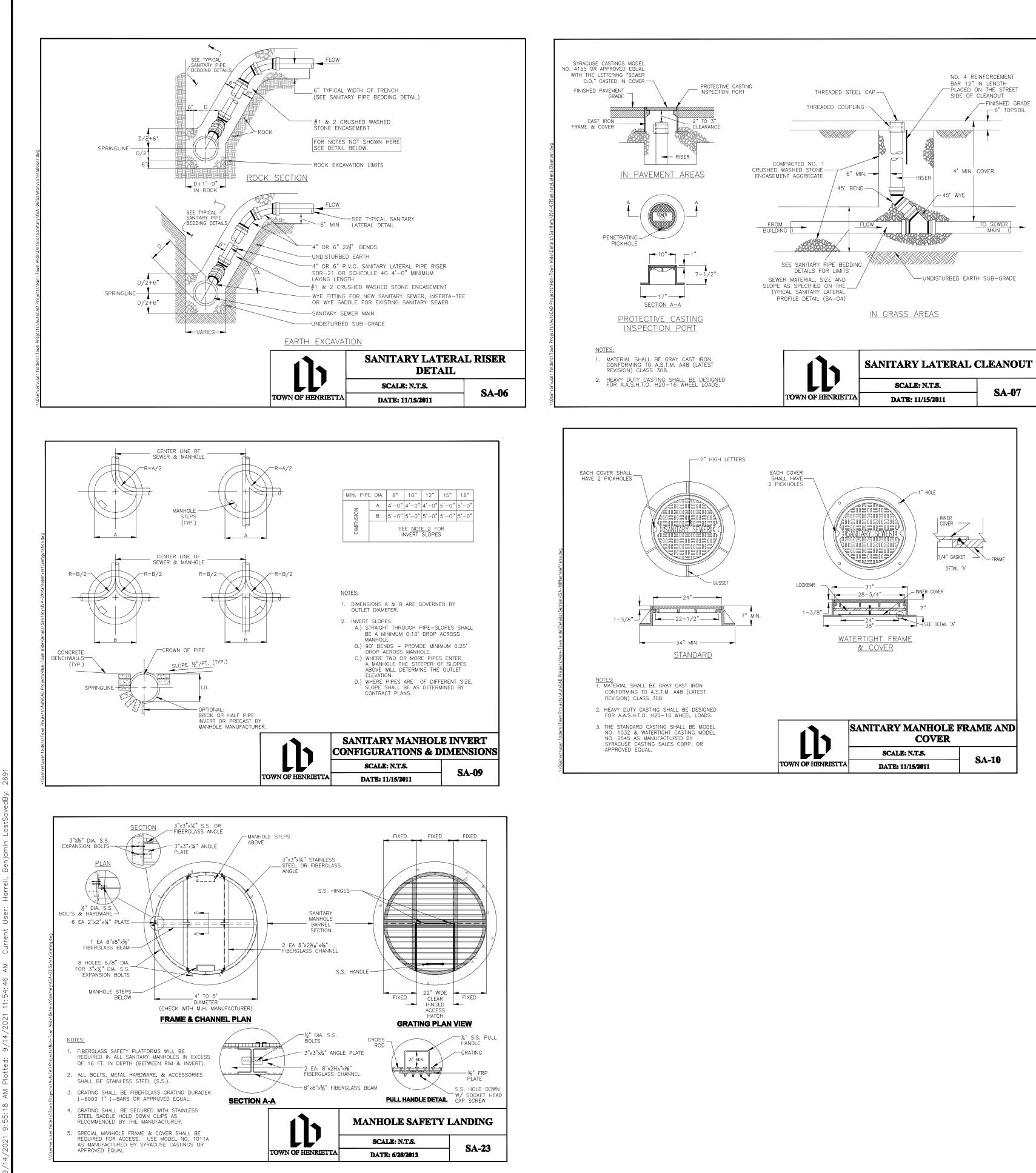


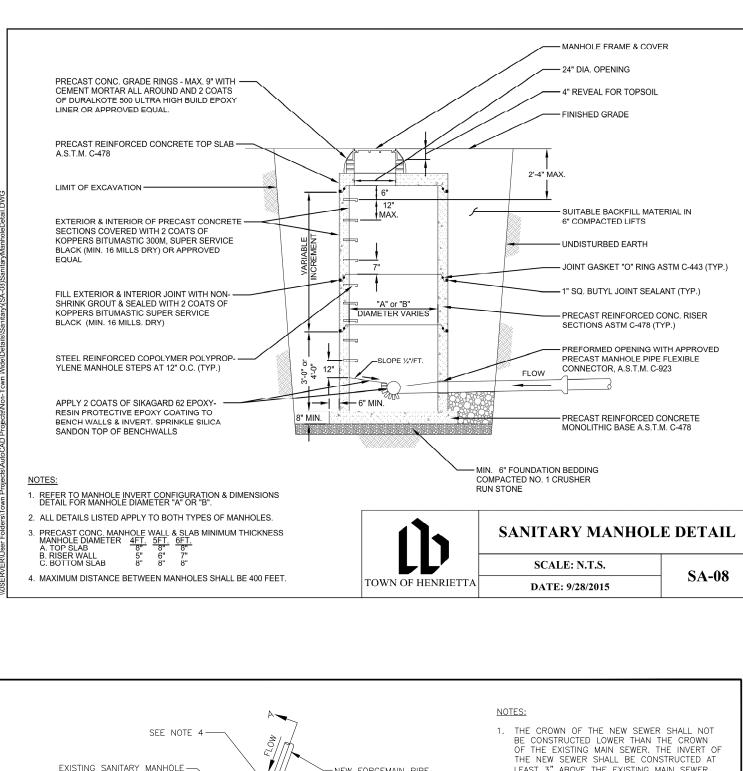


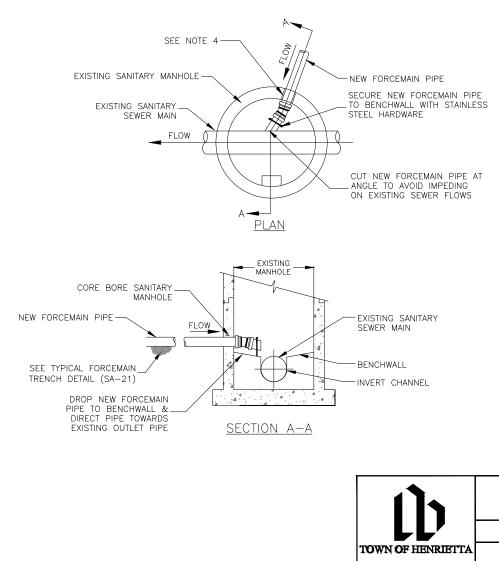
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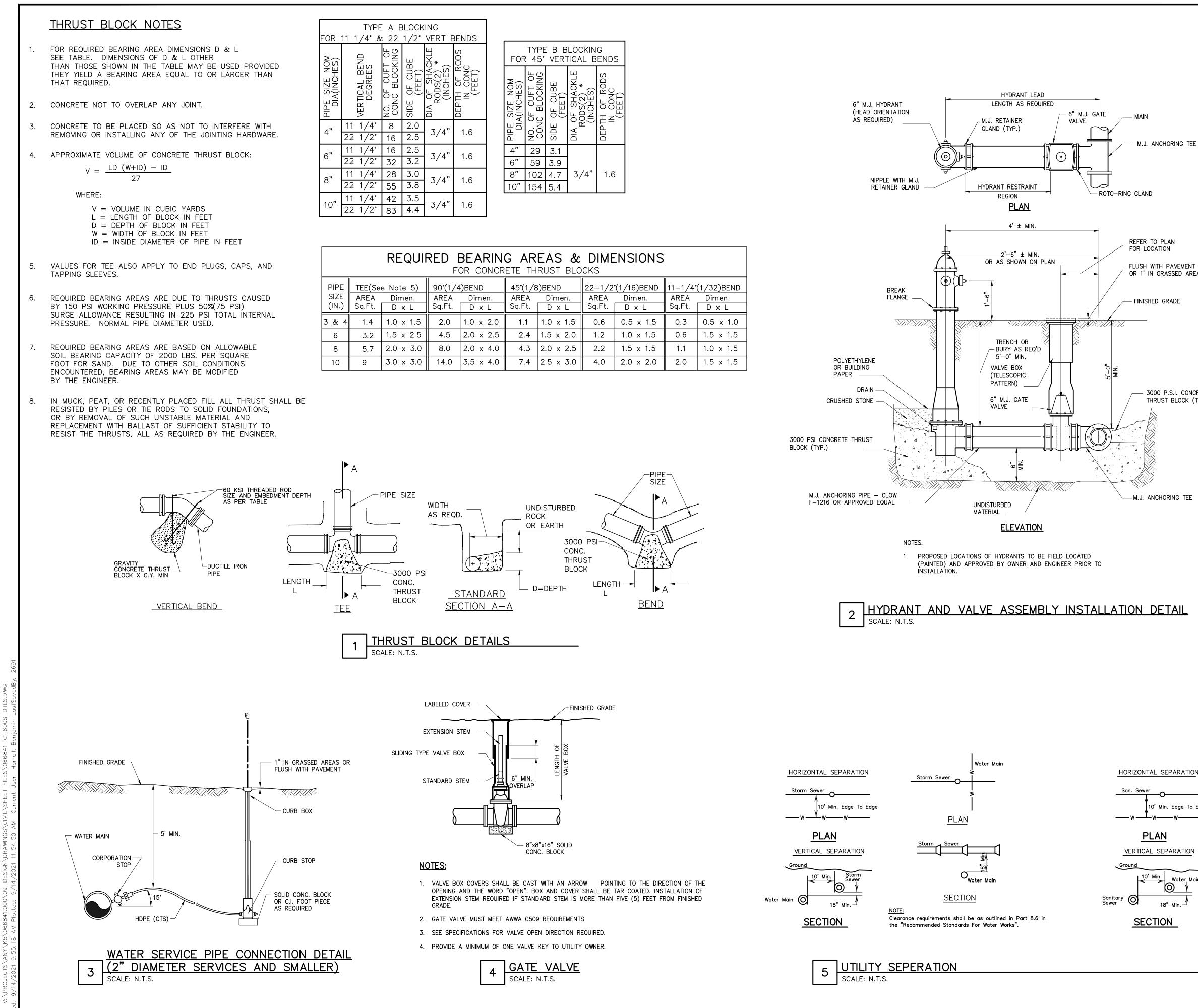


SANITARY MANHOL	E DETAIL
SCALE: N.T.S.	SA-08
DATE: 9/28/2015	5A-00

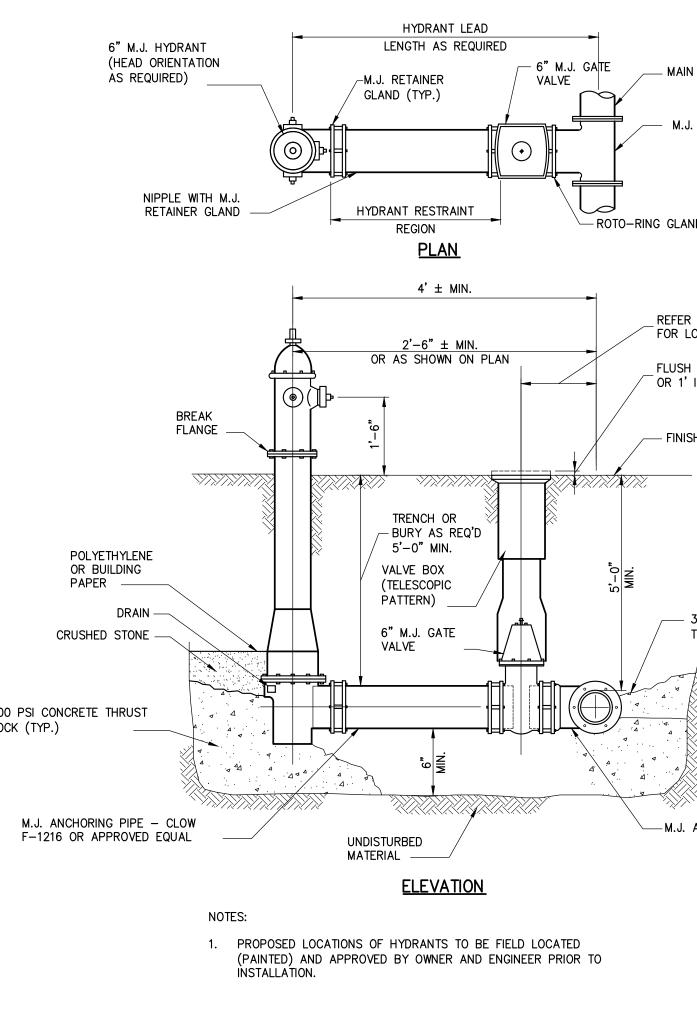
- LEAST 3" ABOVE THE EXISTING MAIN SEWER
- 2. EXISTING MANHOLE STRUCTURE SHALL BE SUFFICIENTLY BRACED AND PROTECTED TO PREVENT ANY SHIFTING OR DAMAGE TO THE MANHOLE.
- THE EXISTING MANHOLE BASE MAY BE ROUND OR SQUARE OR CAST-IN-PLACE CONCRETE DEPENDING ON HOW THE MANHOLE WAS CONSTRUCTED.
- 4. CORE DIAMETER HOLE TO ACCOMMODATE EDAMETER HOLE TO ACCOMMODATE EPOXY SAND COLLAR HUB (P.V.C.) OR P.V.C. EMBEDDED INTO MANHOLE AND SEALED WITH EPOXY MORTAR DURAL 33 OR APPROVED EQUAL. NO IMPACT DEVICES WILL BE ALLOWED TO BE USED FOR MAKING NEW HOLES.
- 5. THE INTERIOR OF SANITARY MANHOLE BASE b. THE INTERIOR OF SANITARY MANHOLE BASE SECTION TO BE 12" MIN. ABOVE THE HIGHEST PIPE. THE INVERT AND BENCHWALL SHALL BE COATED WITH 2 COATS OF SIKAGARD 62 SPRINKLE SILICA SAND ON TOP OF BENCHWALLS. ALL OTHER SURFACES SHALL HAVE 2 COATS KOPPERS SUPER SERVICE BLACK.
- PIPE ENTERING INTO SANITARY MANHOLE SHALL NOT EXCEED 90 DEGREES ALIGNMENT AGAINST EXISTING SANITARY SEWER MAIN FLOW.
- 7. CORED OPENINGS IN MANHOLE RISER SECTIONS SHALL BE NOT LESS THAN 6" FROM A RISER
- THE TOWN MUST BE NOTIFIED 48 HOURS IN ADVANCE OF CONSTRUCTION FOR INSPECTION OF CONNECTION.

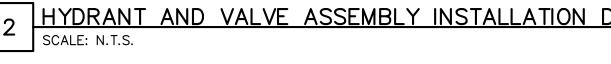
FORCEMAIN CONNECTION TO MANHOLE					
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DATE: 11/15/2011 SA-22					

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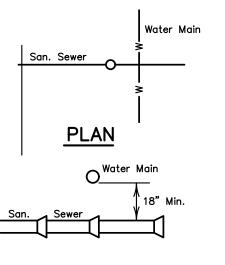
OR 1' IN GRASSED AREAS

3000 P.S.I. CONCRETE THRUST BLOCK (TYP.)

HORIZONTAL SEPARATION

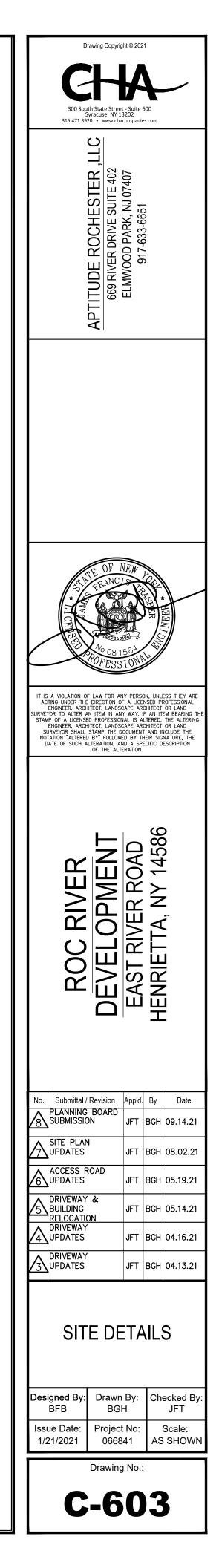
_0____ 10' Min. Edge To Edge

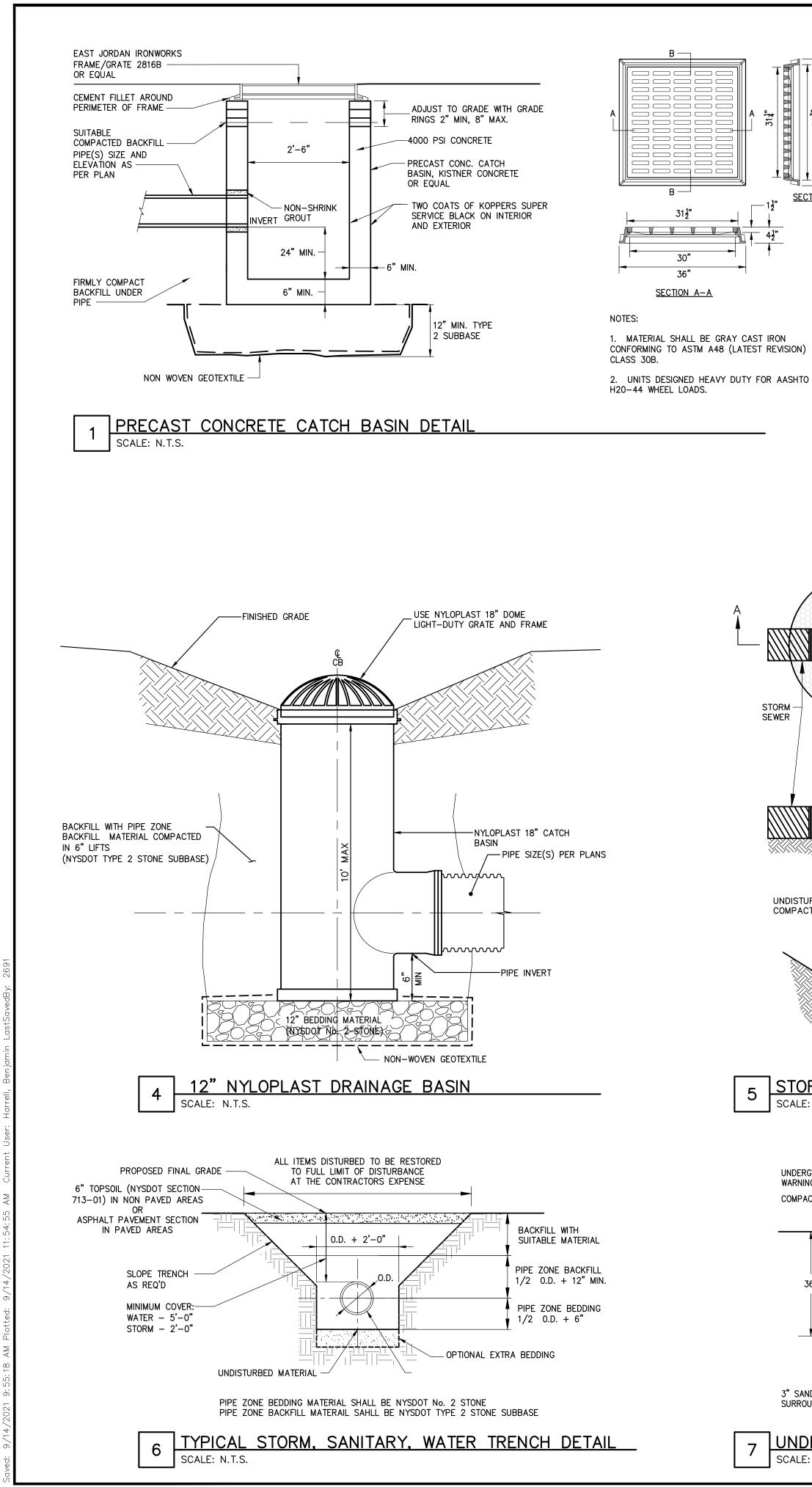
10' Min. Water Main \odot 18" Min

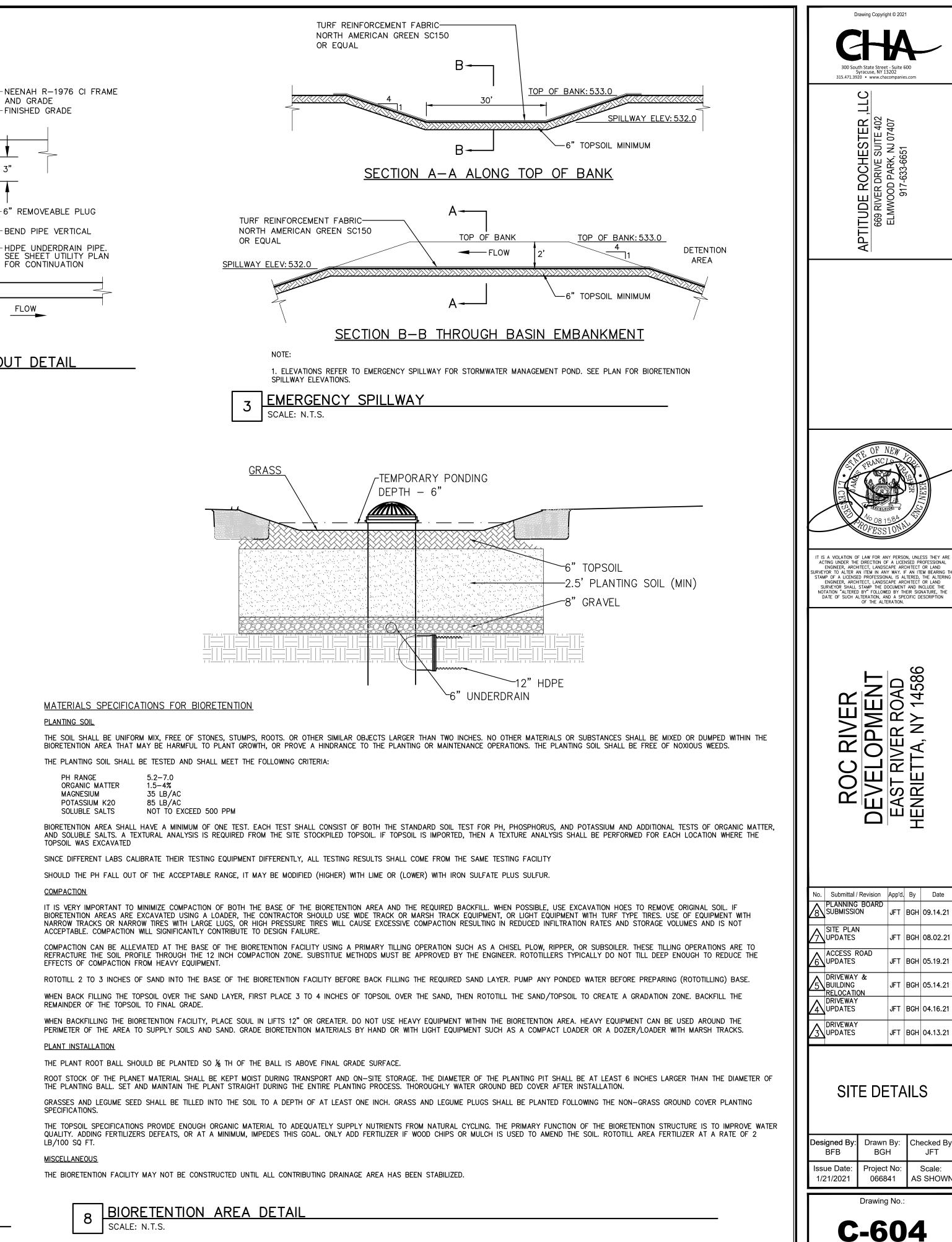


SECTION

NOTE: Wherever the required vertical and/or horizontal clearances can not be obtained, the requirements as outlined in Part 8.6 in the "Recommended Standards for Water Works" and Section 38 in the "Recommended Standards For Wastewater Facilities" shall be followed.







ACCEPTABLE. COMPACTION WILL SIGNIFICANTLY CONTRIBUTE TO DESIGN FAILURE.

EFFECTS OF COMPACTION FROM HEAVY EQUIPMENT.

REMAINDER OF THE TOPSOIL TO FINAL GRADE.

PLANT INSTALLATION

THE PLANT ROOT BALL SHOULD BE PLANTED SO 1/6 TH OF THE BALL IS ABOVE FINAL GRADE SURFACE.

SPECIFICATIONS. LB/100 SQ FT.

MISCELLANEOUS

8

THE BIORETENTION FACILITY MAY NOT BE CONSTRUCTED UNTIL ALL CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.

FLOW JNDERDRAIN CLEANOUT DETAIL SCALE: N.T.S. m-MEDIUM STONE FILL NYSDOT ITEM 620.04 METAL ENDSECTION PER NYSDOT STANDARD SHEET 603-3R2 DIA <u>PLAN</u> 12"-18" 10 m-18"-24" 15' 30"-36" 20' PLANTING SOIL - MEDIUM STONE FILL NYSDOT ITEM 607.04 PH RANGE -FILTER FABRIC SECTION A-A MAGNESIUM POTASSIUM K20 SOLUBLE SALTS TOPSOIL WAS EXCAVATED COMPACTION SECTION B-B UNDERGROUND UTILITY -WARNING TAPE COMPACTED BACKFILL --FINISHED GRADE OR SURFACE 18" -SAW CUT EDGE EACH SIDE (IF REQUIRED) 3" SAND ENVELOPE SURROUNDING CONDUIT/GAS PIPE \sim

SECTION B-B -6" REMOVEABLE PLUG -BEND PIPE VERTICAL HDPE UNDERDRAIN PIPE. SEE SHEET UTILITY PLAN FOR CONTINUATION

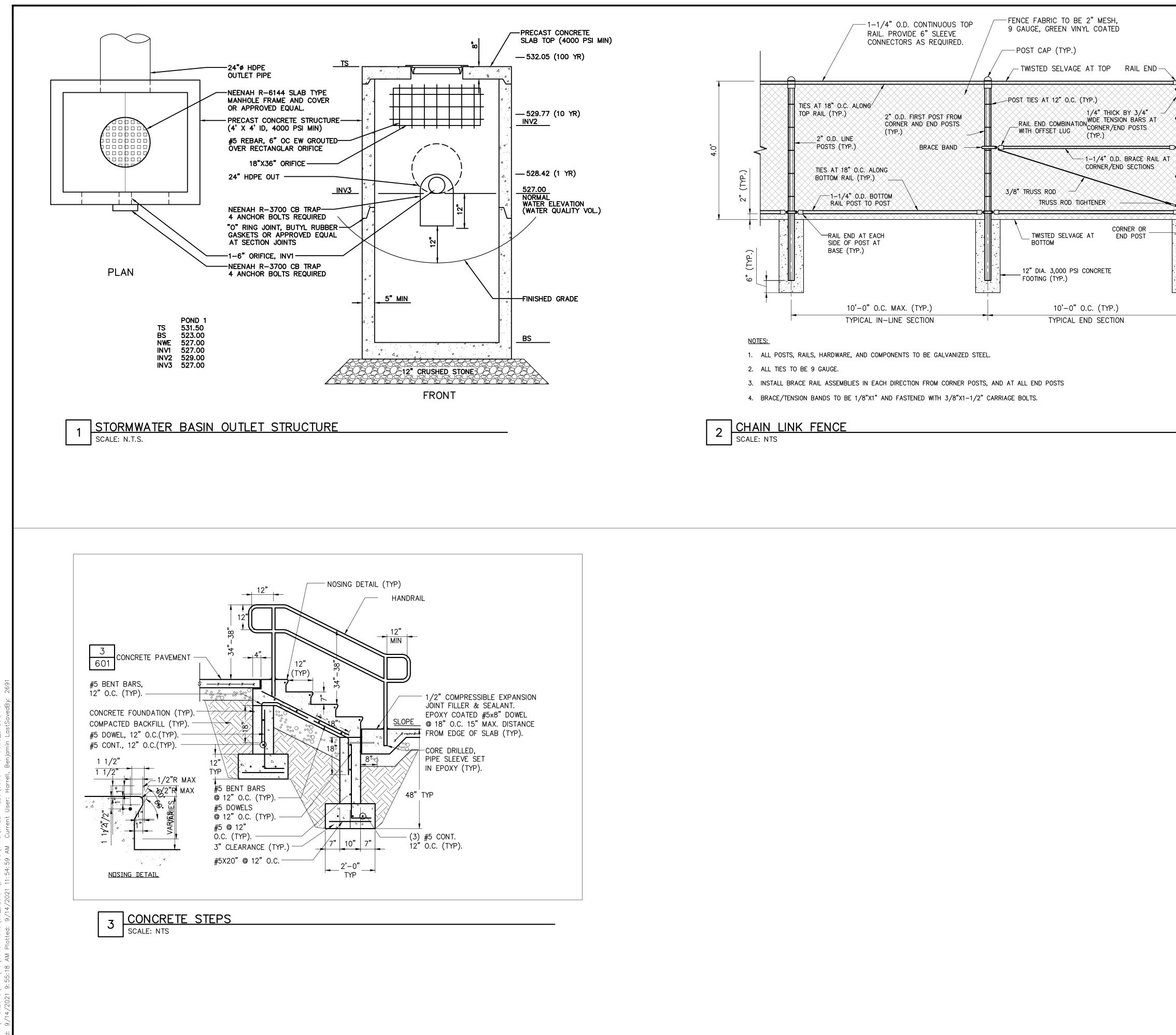
AND GRADE

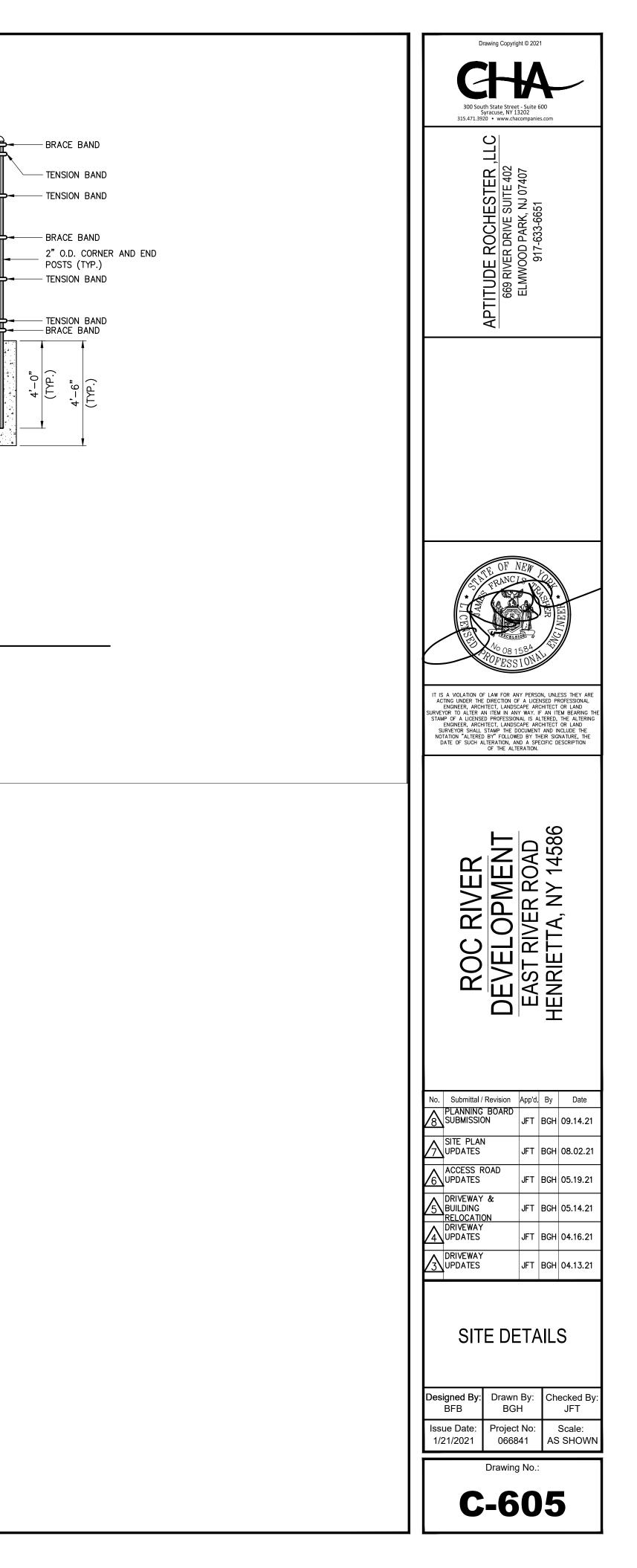
-FINISHED GRADE

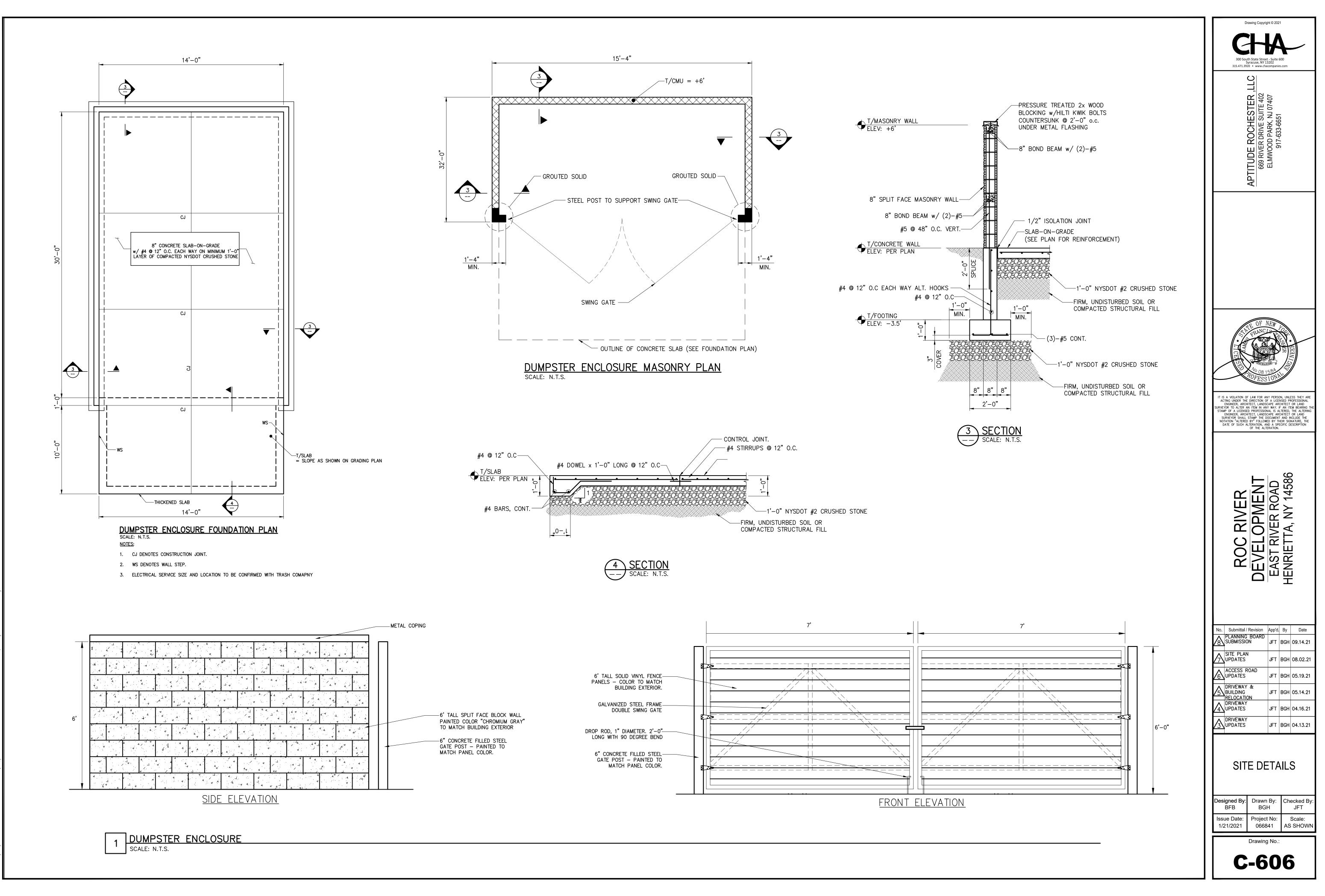
UNDISTURBED OR-COMPACTED SUBGRADE

STORM SEWER END SECTION AND RIPRAP SCALE: N.T.S.

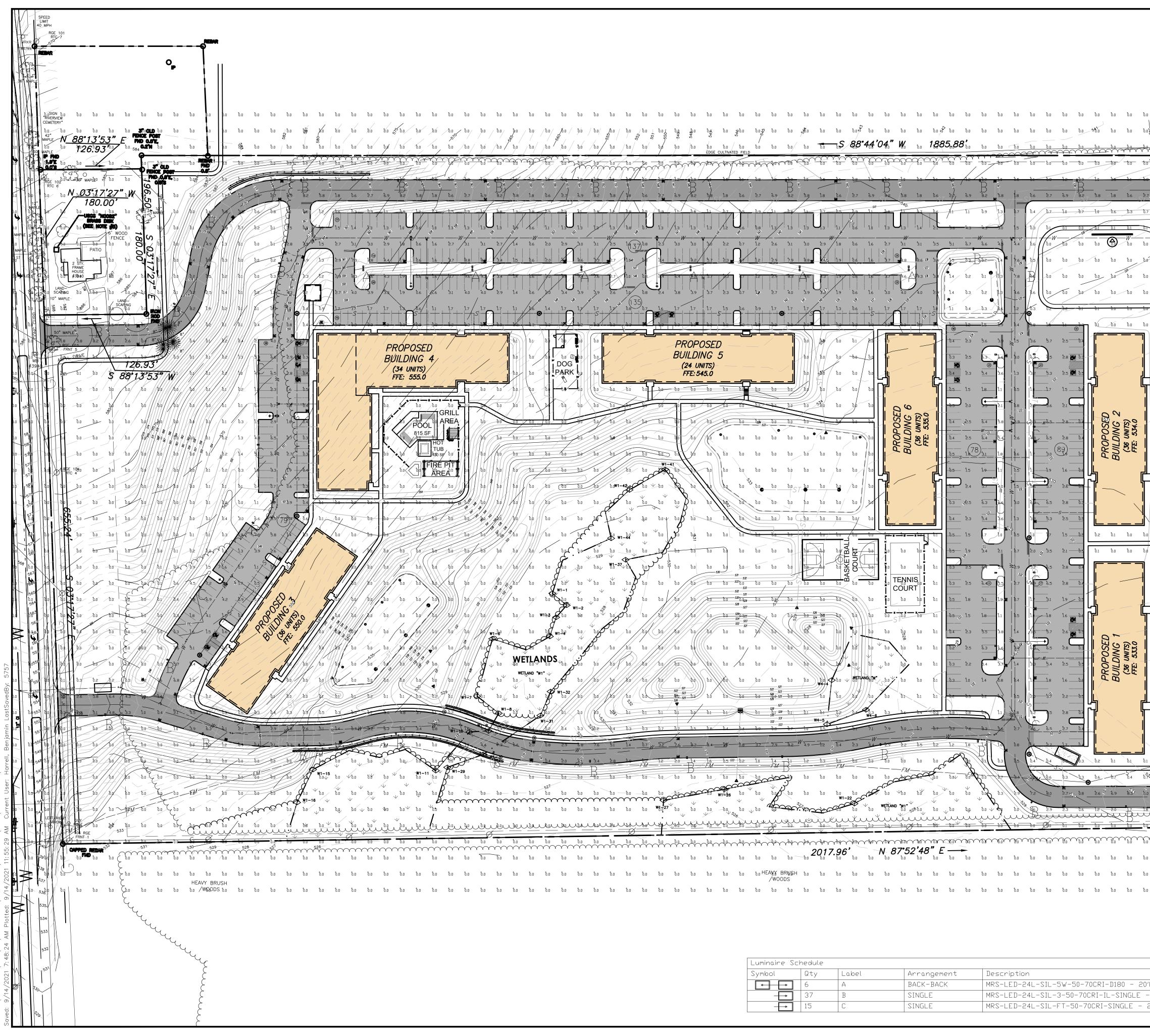
JNDERGROUND CONDUIT/GAS TRENCH SCALE: N.T.S.





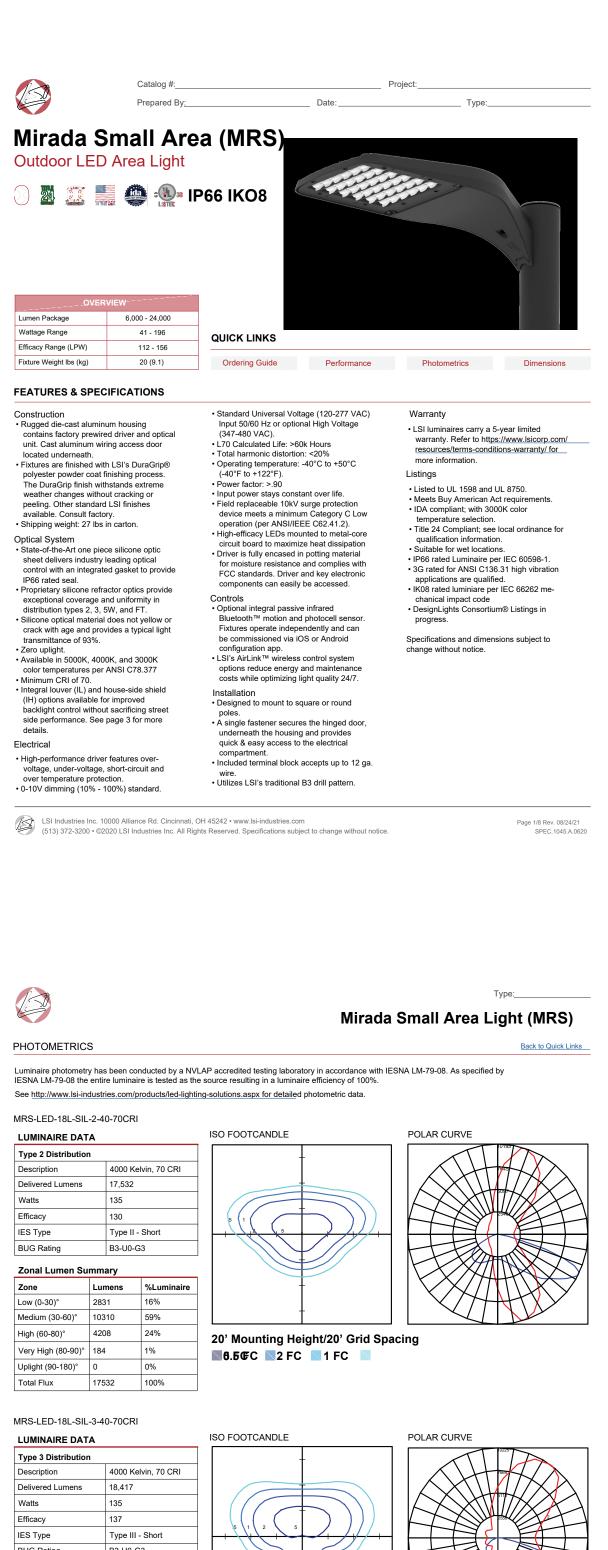


: V:\PROJECTS\ANY\K5\066841.000\09_DESIGN\DRAWINGS\CIVIL\SHEET FILES\066841-C-600S_DTLS.DWG ed: 9/14/2021 9:55:18 AM Plotted: 9/14/2021 11:55:04 AM Current User: Harrell. Beniamin LastSavedBv: 2



Luminaire Scł	nedule			
Symbol	Qty	Label	Arrangement	Description
↓ ↓ ↓	6	A	BACK-BACK	MRS-LED-24L-SIL-5W-50-70CRI-D180 - 201
	37	В	SINGLE	MRS-LED-24L-SIL-3-50-70CRI-IL-SINGLE -
	15	С	SINGLE	MRS-LED-24L-SIL-FT-50-70CRI-SINGLE - 2

	Drawing Convicts @ 2024
	Drawing Copyright © 2021 CCH-IAA 300 South State Street - Suite 600 Syracuse, NY 13202 315.471.3920 • www.chacompanies.com
bo b	APTITUDE ROCHESTER ,LLC 669 RIVER DRIVE SUITE 402 ELMWOOD PARK, NJ 07407 917-633-6651
bi b	60 12 Scale in feet
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY A ACTING UNDER THE DIRECTION OF A LICENSED PROFESSION
b0 b0 b0 b0 b0 b0 b0 b0 b2 54 4.5 b0	ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERI ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, TH DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.
bo to bo bo bo bo bo bo bi	ROC RIVER DEVELOPMEN EAST RIVER ROF HENRIETTA, NY 14
bo bo bo bo bo bo bo bo bi	No. Submittal / Revision App'd. By Date Image: Submittal / Revision App'd. By Date Image: Submittal / Revision JFT BGH 09.14.2 Image: Submittal / Revision JFT BGH 09.14.2 Image: Submittal / Revision JFT BGH 09.14.2 Image: Submittal / Revision JFT BGH 08.02.2 Image: Submittal / Revision JFT BGH 08.02.2 Image: Submittal / Revision JFT BGH 05.19.2 Image: Submittal / Revision JFT BGH 05.19.2 Image: Submittal / Revision JFT BGH 05.14.2 Image: Submittal / Revision JFT BGH 05.14.2 Image: Submittal / Revision JFT BGH 05.14.2 Image: Submittal / Revision JFT BGH 06.14.2 Image: Submittal / Revision JFT BGH 06.14.2
bu <u>bu bu b</u>	4 UPDATES JFT BGH 04.16.2 3 DRIVEWAY UPDATES JFT BGH 04.13.2 LIGHTING PLAN Designed By: Drawn By: Checked B
LLD LDD LLF Arr. Watts Arr. Lum. Lumens 0'MH 0.950 1.000 0.950 392 45044 - 20'MH 0.950 1.000 0.950 196 15757 20'MH 0.950 1.000 0.950 196 22581	BFB BGH JFT Issue Date: Project No: 066841 Scale: AS SHOV Drawing No.: C-7000



137 Type: 4 Mirada Small Area Light (MRS) ORDERING GUIDE TYPICAL ORDER EXAMPLIMES LED 18L SIL FT UNV DIM 40 70CRI ALBCS1 BLK IH Luminaire Prefix Light SourceLumen Package Lens Distribution Orientation2 Voltage Driver 6L - 6,000 lms | SIL - Silicone 2 - Type 2 (blank) - standard UNV - Universal Voltage (120-277/)DIM - 0-10V Dimming (0-10%) MRS - Mirada Small Area LgbED 9L - 9,000 lms 3 - Type 3 L- Optics rotated left 90° HV - High Voltage (347-480V) 12L - 12,000 lms 5W - Type 5 Wide R - Optics rotated right 90° 15L - 15,000 lms 18L - 18,000 lms FT - Forward Throw 21L - 21,000 lms 24L - 24,000 lms Packages1 Color Temp Color Rendering Controls (Choose One) Finish Options 70CRI - 70 CRI (Blank) - None 50 - 5,000 CCT BLK - Black (<u>Blank) - No</u>ne Wireless Controls System BRZ - Dark Bronze ALSC - AirLink Synapse Control System GMG - Gun Metal Gray ALSCS2 - AirLink Synapse Control System with 12-20' MH Motion Sensor GPT - Graphite ALSCS1 - AirLink Synapse Control System with 20-40' MH Motion Sensor MSV - Metallic Silver ALBCS1 - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24' MH) PLP - Platinum Plus SUGS2 - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' MH) Sugregation 40 - 4,000 CCT BRZ - Dark Bronze GMG - Gun Metal Grav III - Integral Houseside Shield2 30 - 3,000 CCT Cutoff); Stand-Alone Controls EXT - 0-10V Dimming leads extended to housing exterior CR7P - 7 Pin Control Receptacie ANSI C136.41 3 IMSBT1 - Integral Bluetooth™ Motion and Photocell Sensor (8-24' MH)4 IMSBT2 - Integral Bluetooth™ Motion and Photocell Sensor (25-40' MH)4 WHT - White Accessory Ordering Information5 **Controls Accessories** Mounting Accessories Description Order Number Description Order Number6 Twist Lock Photocell (120V) for use with CR7F 122514 Universal Mounting Bracket 684616CLR Twist Lock Photocell (208-277) for use with CR7P Adjustable Slip Fitter (2" - 2 3/8" Tenon 688138CLR 22515 Twist Lock Photocell (347V) for use with CR7P 122516 Horizontal Slip Fitter (2" - 2 3/8" Tenon) 652761CLR Twist Lock Photocell (480V) for use with CR7P 1225180 Quick Mount Pole Bracket (Square Pole) 687073CLR 689903CLR AirLink 5 Pin Twist Lock Controller 661409 Quick Mount Pole Bracket (4-5" Round Pole) AirLink 5 Pin Twist Lock Controller 661410 15 Tilt Quick Mount Pole Bracket (Square Pole) 688003CLR 15 Tilt Quick Mount Pole Bracket (4-5" Round Pole) 663284CLR6 689905CLR Pole-Mounted Occupancy Sensor (24V Shorting Cap for use with CR7P 149328 Wall Mount Bracket 382132CLR Fusing Options7 Shielding & Miscellaneous Accessorie Description Order Number Description 763445 Single Fusing (120V) 763446 nternal Houseside Shield Single Fusing (277V) 10' Linear Bird Spike Kit (2' Recommended per Luminaire 751632 Double Fusing (208V, 240V) See Fusing Accessory Guide Double Fusing (480V) Double Fusing (347V) FOOTNOTES: 1. Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed. 2. Not available on "Type 5W" distribution. Not available on "Type 5W" distribution. Control device or shorting cap must be ordered separately. See Accessory Ordering Information. IMSBT is field configurable via the LSI app that can be downloaded from your smartphone's native app store. Accessories are shipped separately and field installed. "CLR" denotes finish. See Finish options. Fusing must be located in hand hole of pole. See Fusing Accessory Guide for compatability.

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Delivered Lumens18,4Watts135Efficacy137IES TypeType	
Delivered Lumens 18,4 Watts 135 Efficacy 137 IES Type Type BUG Rating B3-L Zonal Lumens Lumens	417 De III - Short
Watts 135 Efficacy 137 IES Type Type BUG Rating B3-L Zonal Lumen Surger Zone	e III - Short
Efficacy 137 IES Type Type BUG Rating B3-L Zonal Lumen Summary Zone Lumens	e III - Short
IES Type Type BUG Rating B3-L Zonal Lumen Summary Zone Lumens	e III - Short
BUG Rating B3-L Zonal Lumen Summary Zone Lumens	
Zonal Lumen Summary Zone Lumens	U0-G3
Zone Lumens	
Low (0-30)° 2329	%Luminaire
2011 (0 00)	13%
Medium (30-60)° 10634	61%
High (60-80)° 5246	30%
Very High (80-90)° 208	1%
Uplight (90-180)° 0	0%
Total Flux 18417	100%

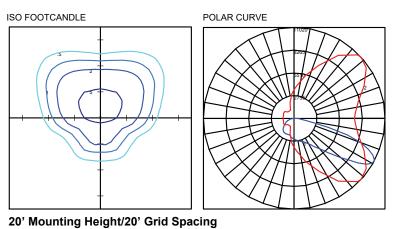
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Total Flux

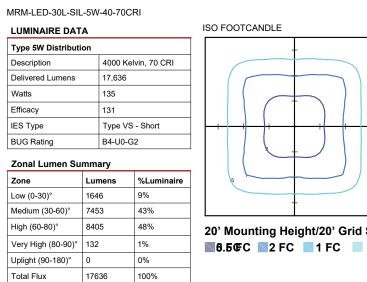
PHOTOMETRICS (CONT) MRS-LED-18L-SIL-FT-40-70CRI

LUMINAIRE DATA					
Type FT Distribution					
Description		4000 Kelvin, 70 CRI			
Delivered Lumens		17,682			
Watts		135			
Efficacy		131			
IES Type		Type III - Short			
BUG Rating		B3-U0-G2			
Zonal Lumen Summary					
Zone Lu		nens	%Luminaire		
Low (0-30)° 22		5	13%		
Medium (30-60)° 94		3	54%		
High (60-80)° 5		6	32%		
Very High (80-90)° 20			2%		
Uplight (90-180)°	0		0%		

17682



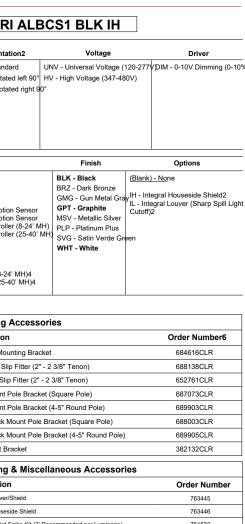
■6.50FC ■2 FC ■1 FC ■



100%

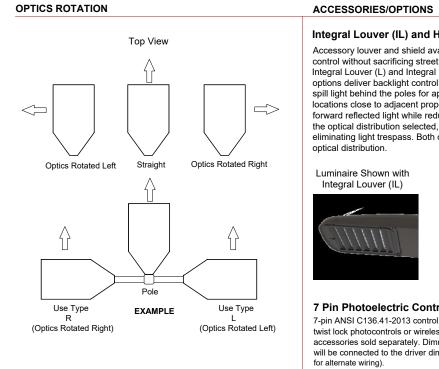
20' Mounting Height/20' Grid Spacing

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100 4



Type: Mirada Small Area Light (MRS)

Integral Louver (IL) and House-Side Shield (IH) Accessory louver and shield available for improved backlight control without sacrificing street side performance. LSI's Integral Louver (L) and Integral House-Side Shield (IH) options deliver backlight control that significantly reduces spill light behind the poles for applications with pole locations close to adjacent properties. The design maximizes forward reflected light while reducing glare, maintaining the optical distribution selected, and most importantly eliminating light trespass. Both options rotate with the optical distribution.





7 Pin Photoelectric Control

7-pin ANSI C136.41-2013 control receptacle option available for twist lock photocontrols or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (Consult factory for alternate wiring).



Mirada Small Area Light (MRS)

 LUMINAIRE EPA CHART - MRS Till Degree
 0°
 30°
 45°

 Single
 0.5
 1.3
 1.8

 D180°
 0.9
 1.3
 1.8

 D90°
 0.9
 1.3
 2.6

 D90°
 0.9
 1.3
 2.6

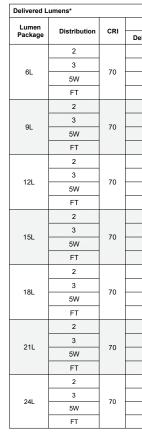
 D90°
 0.9
 1.3
 2.6

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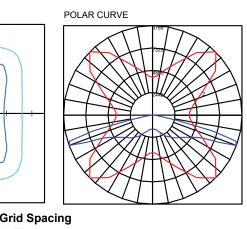
Back to Quick Links

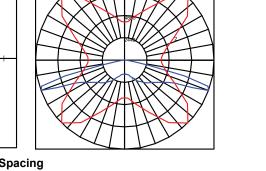




Lumens	120V	208V	24
6L	0.34	0.20	0
9L	0.52	0.30	0
12L	0.72	0.41	0
15L	0.93	0.53	0
18L	1.12	0.65	0
21L	1.38	0.80	0
24L	1.63	0.94	0

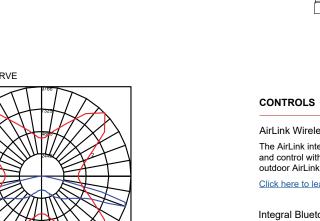
Type: Mirada Small Area Light (MRS)





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AirLink Wireless Lighting Controller

6

PRODUCT DIMENSIONS

The AirLink integrated controller is a California Title 24 compliant lighting controller that provides real-time light monitoring and control with utility-grade power monitoring. It includes a 24V sensor input and power supply to connect a sensor into the outdoor AirLink wireless lighting system. The wireless integrated controller is compatible with this fixture. Click here to learn more about AirLink.

Integral Bluetooth[™] Motion and Photocell Sensor (IMSBT)

Slim low profile sensor provides multi-level control based on motion and/or davlight. Sensor controls 0-10 VDC LED drivers and is rated for cold and wet locations (-30° C to 70° C). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles. Click here to learn more about IMSBT.

AirLink Blue

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetonh wireless radio/sensor controller, Time Keeper and an iOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires. Click here to learn more about AirLink Blue.

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MRS LIGHT FIXTURE SPEC CUT SHEETS SCALE: N.T.S.



Back to Quick Links

RI	3000K CCT			4000K CCT			5000K CCT				
RI	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Wattage	
70	6045	148	B2-U0-G1	6268	154	B2-U0-G1	6253	153	B2-U0-G1		
	6145	151	B1-U0-G2	6372	156	B1-U0-G2	6357	156	B1-U0-G2	41	
	5812	142	B3-U0-G1	6,026	148	B3-U0-G1	6012	147	B3-U0-G1	41	
	5947	146	B1-U0-G1	6166	151	B1-U0-G1	6152	151	B1-U0-G1		
70	9091	145	B2-U0-G2	9484	152	B2-U0-G2	9462	151	B2-U0-G2		
	9241	148	B2-U0-G2	9641	154	B2-U0-G2	9619	154	B2-U0-G2	63	
	8740	140	B3-U0-G2	9,118	146	B3-U0-G2	9097	144	B3-U0-G2	03	
	8943	143	B2-U0-G2	9330	149	B2-U0-G2	9308	149	B2-U0-G2		
70	12132	141	B3-U0-G2	12685	148	B3-U0-G2	12514	146	B3-U0-G2	86	
	12333	143	B2-U0-G2	12894	150	B2-U0-G2	12721	148	B2-U0-G2		
	11664	136	B4-U0-G2	12195	142	B4-U0-G2	12031	140	B4-U0-G2		
	11935	139	B2-U0-G2	12479	145	B2-U0-G2	12311	143	B2-U0-G2		
1	14220	128	B3-U0-G2	15167	137	B3-U0-G2	14488	131	B3-U0-G2	111	
70	14938	135	B2-U0-G2	15933	144	B2-U0-G2	15219	137	B2-U0-G2		
0	14304	129	B4-U0-G2	15257	137	B4-U0-G2	14574	131	B4-U0-G2		
	14342	129	B2-U0-G2	15297	138	B2-U0-G2	14612	132	B2-U0-G2		
	16438	122	B3-U0-G3	17532	130	B3-U0-G3	16747	124	B3-U0-G3	135	
	17267	128	B3-U0-G3	18417	137	B3-U0-G3	17592	131	B3-U0-G3		
70	16535	123	B4-U0-G2	17636	133	B5-U0-G3	16846	125	B4-U0-G2		
	16578	123	B3-U0-G3	17682	131	B3-U0-G3	16890	125	B3-U0-G3		
- /	19488	118	B3-U0-G3	20786	126	B3-U0-G3	19885	120	B3-U0-G3	165	
	20472	124	B3-U0-G3	21835	132	B3-U0-G3	20857	126	B3-U0-G3		
70	19604	119	B5-U0-G3	20,909	126	B5-U0-G3	19973	121	B5-U0-G3		
	19655	119	B3-U0-G4	20964	127	B3-U0-G4	20025	121	B3-U0-G4		
	21976	112	B3-U0-G3	23439	120	B3-U0-G3	22390	114	B3-U0-G3		
-	23085	118	B3-U0-G3	24622	126	B3-U0-G3	23519	120	B3-U0-G3	100	
70	22105	113	B5-U0-G3	23578	120	B5-U0-G3	22522	115	B5-U0-G3	196	
	22164	113	B3-U0-G3	23640	121	B3-U0-G3	22581	115	B3-U0-G3		

v	277V	347V	480V
7	0.15	0.12	0.09
6	0.23	0.18	0.13
6	0.31	0.25	0.18
6	0.40	0.32	0.23
6	0.49	0.39	0.28
9	0.60	0.48	0.34
2	0.71	0.56	0.41
iay d	iffer by +/-109	%	

Ambient Temp	LUMEN MAINTENANCE1					
С	0 hrs.2	25K hrs.2	50K hrs.2	75K hrs.3	100K hrs.3	
0 C - 25 C	100%	95%	89%	84%	79%	
40 C	100%	94%	87%	80%	74%	
OOTNOTES: Lumen maintenance va in-situ luminaire testing In accordance with IES based on time duration duration (in hours) for	g. SNA TM-21-11 ns that are with	, Projected Valu nin six times (6>	ues represent i ()the IESNA LI	nterpolated va M-80-08 total te	lue est	

exceed six times NA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)

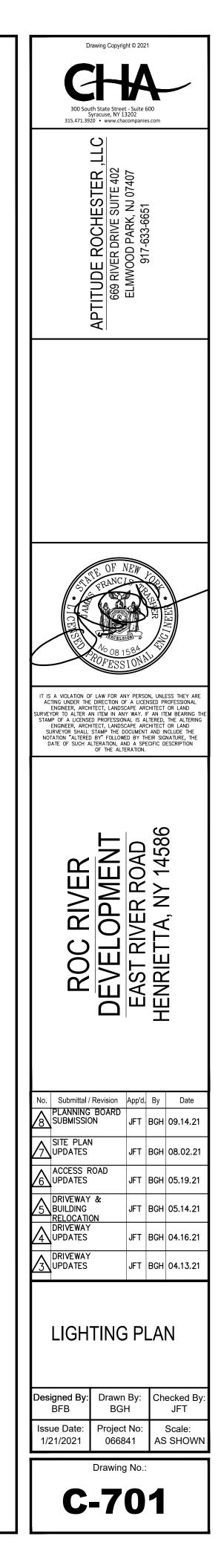
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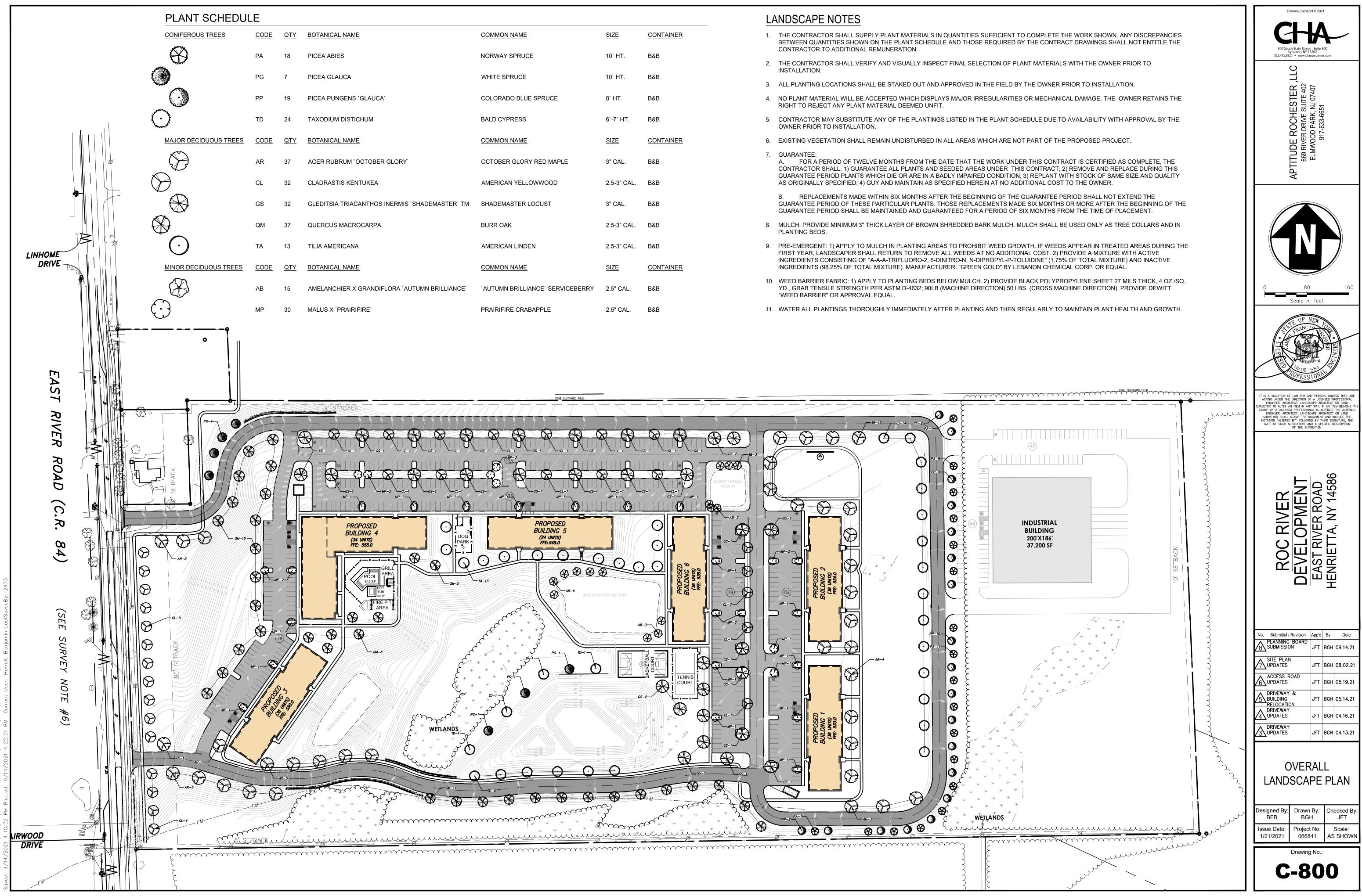
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COMMON NAME	<u>SIZE</u>	CONTAINER
NORWAY SPRUCE	10` HT.	B&B
WHITE SPRUCE	10` HT.	B&B
COLORADO BLUE SPRUCE	8` HT.	B&B
BALD CYPRESS	6`-7` HT.	B&B
COMMON NAME	<u>SIZE</u>	
OCTOBER GLORY RED MAPLE	3" CAL.	B&B
AMERICAN YELLOWWOOD	2.5-3" CAL.	B&B
SHADEMASTER LOCUST	3" CAL.	B&B
BURR OAK	2.5-3" CAL.	B&B
AMERICAN LINDEN	2.5-3" CAL.	B&B
COMMON NAME	<u>SIZE</u>	
`AUTUMN BRILLIANCE` SERVICEBERRY	2.5" CAL.	B&B
PRAIRIFIRE CRABAPPLE	2.5" CAL.	B&B

LA	ANDSCAPE NOTES
1.	THE CONTRACTOR SHALL SUPPLY PLANT MATERIALS IN QUANTITIES BETWEEN QUANTITIES SHOWN ON THE PLANT SCHEDULE AND THOS CONTRACTOR TO ADDITIONAL REMUNERATION.
2.	THE CONTRACTOR SHALL VERIFY AND VISUALLY INSPECT FINAL SEL INSTALLATION.
3.	ALL PLANTING LOCATIONS SHALL BE STAKED OUT AND APPROVED IN
4.	NO PLANT MATERIAL WILL BE ACCEPTED WHICH DISPLAYS MAJOR IR RIGHT TO REJECT ANY PLANT MATERIAL DEEMED UNFIT.
5.	CONTRACTOR MAY SUBSTITUTE ANY OF THE PLANTINGS LISTED IN TO OWNER PRIOR TO INSTALLATION.
6.	EXISTING VEGETATION SHALL REMAIN UNDISTURBED IN ALL AREAS
7.	GUARANTEE: A. FOR A PERIOD OF TWELVE MONTHS FROM THE DATE THAT TH CONTRACTOR SHALL: 1) GUARANTEE ALL PLANTS AND SEEDED ARE GUARANTEE PERIOD PLANTS WHICH DIE OR ARE IN A BADLY IMPAIR AS ORIGINALLY SPECIFIED; 4) GUY AND MAINTAIN AS SPECIFIED HER
	B. REPLACEMENTS MADE WITHIN SIX MONTHS AFTER THE BEGIN GUARANTEE PERIOD OF THESE PARTICULAR PLANTS. THOSE REPLA GUARANTEE PERIOD SHALL BE MAINTAINED AND GUARANTEED FOR
8.	MULCH: PROVIDE MINIMUM 3" THICK LAYER OF BROWN SHREDDED B PLANTING BEDS.
9.	PRE-EMERGENT: 1) APPLY TO MULCH IN PLANTING AREAS TO PROHI FIRST YEAR, LANDSCAPER SHALL RETURN TO REMOVE ALL WEEDS A INGREDIENTS CONSISTING OF "A-A-A-TRIFLUORO-2, 6-DINITRO-N, N-E INGREDIENTS (98.25% OF TOTAL MIXTURE). MANUFACTURER: "GREEI
10.	WEED BARRIER FABRIC: 1) APPLY TO PLANTING BEDS BELOW MULCH YD., GRAB TENSILE STRENGTH PER ASTM D-4632; 90LB (MACHINE DIF "WEED BARRIER" OR APPROVAL EQUAL.

