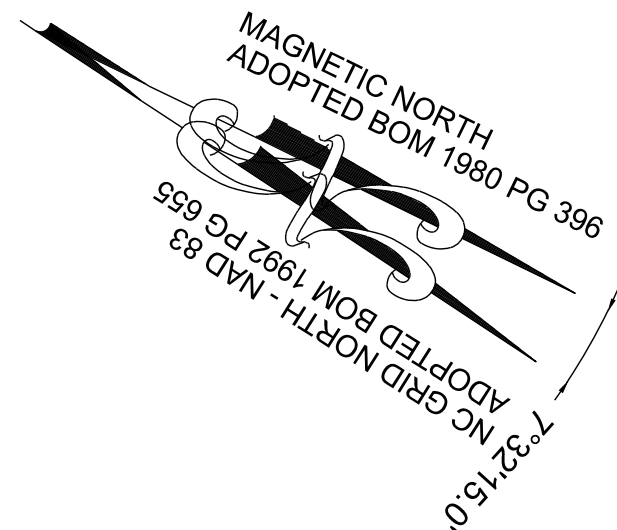
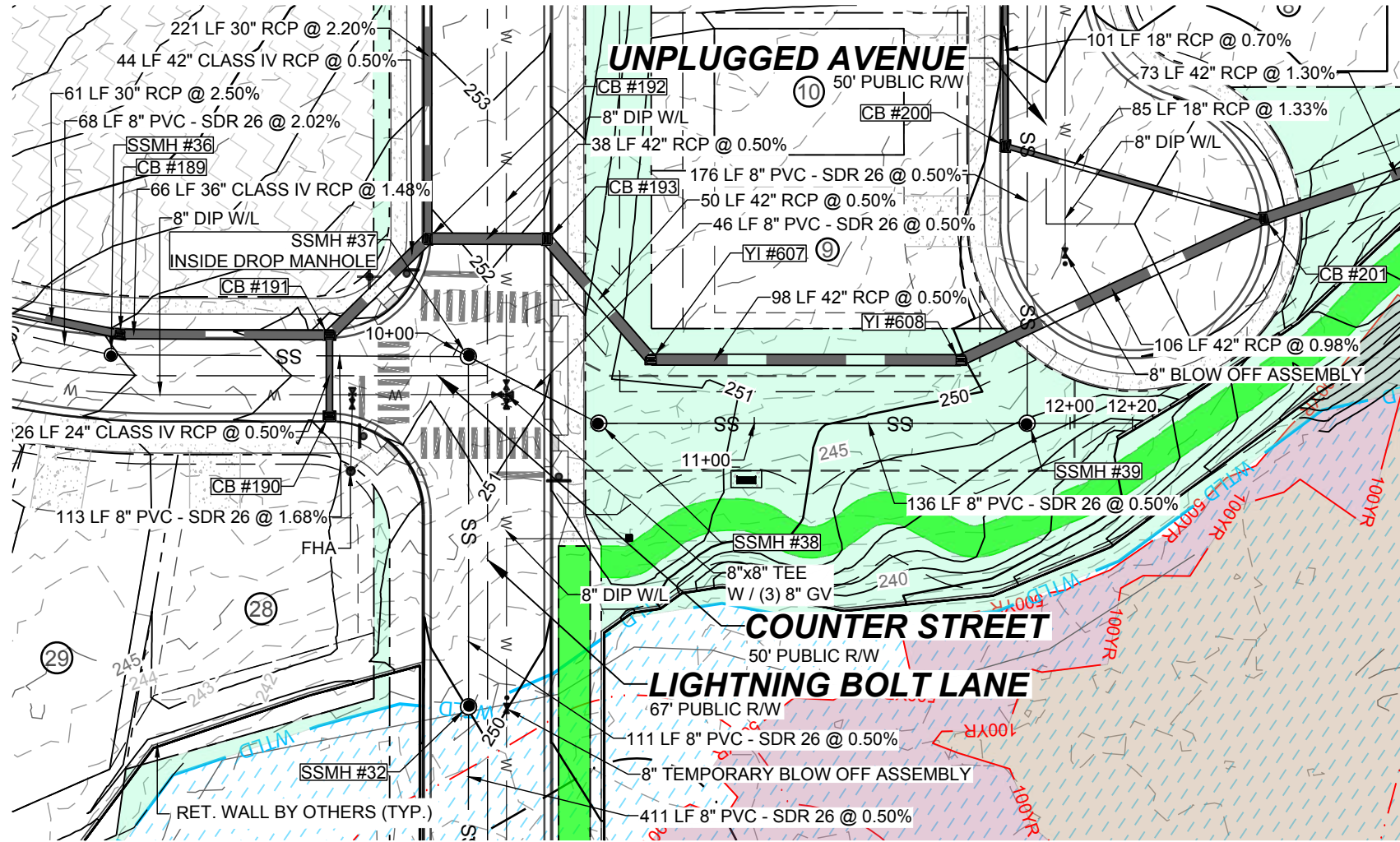


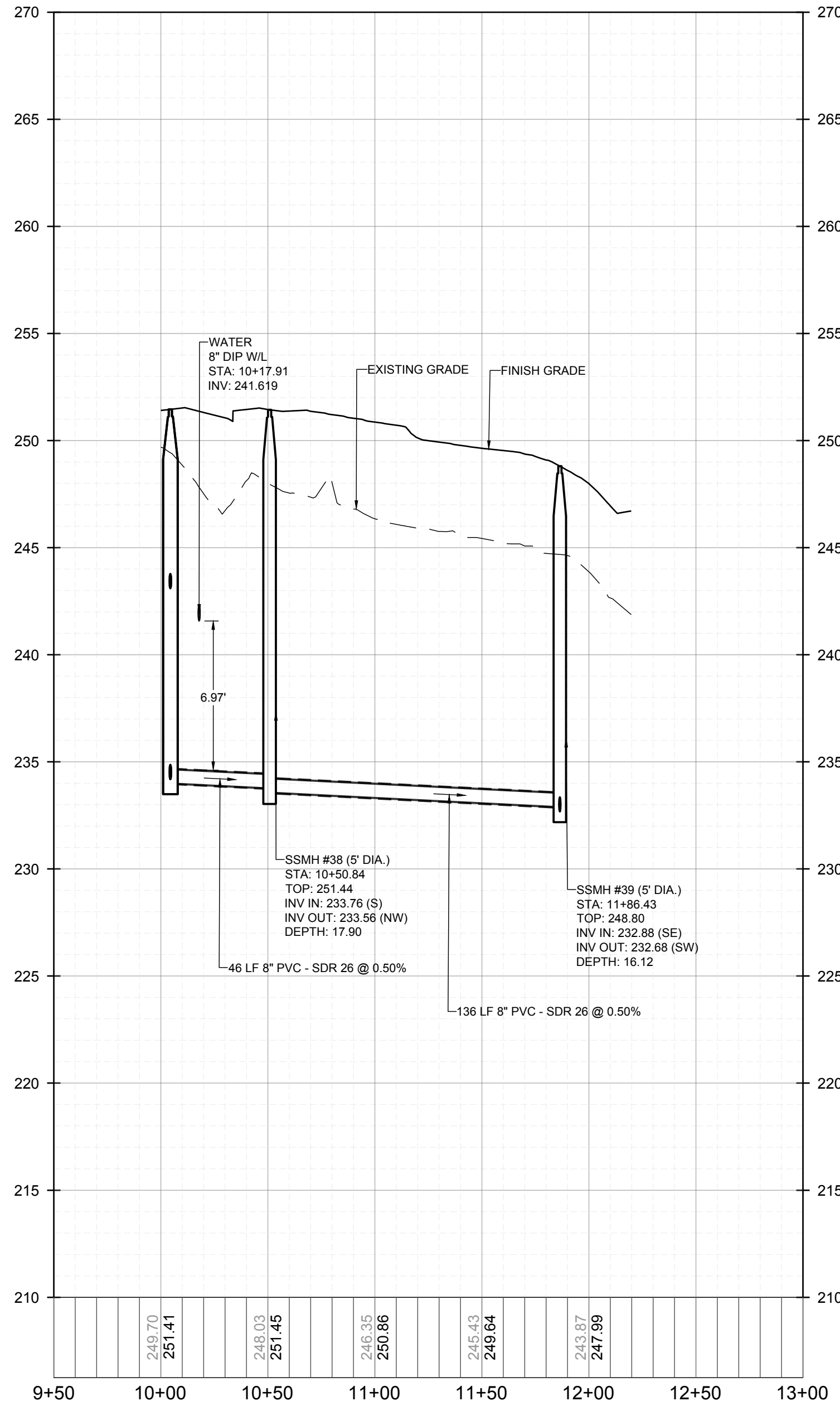
PUBLIC
WATER DISTRIBUTION / EXTENSION SYSTEM
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PUBLIC UTILITIES DEPARTMENT PERMIT # _____

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CITY OF RALEIGH
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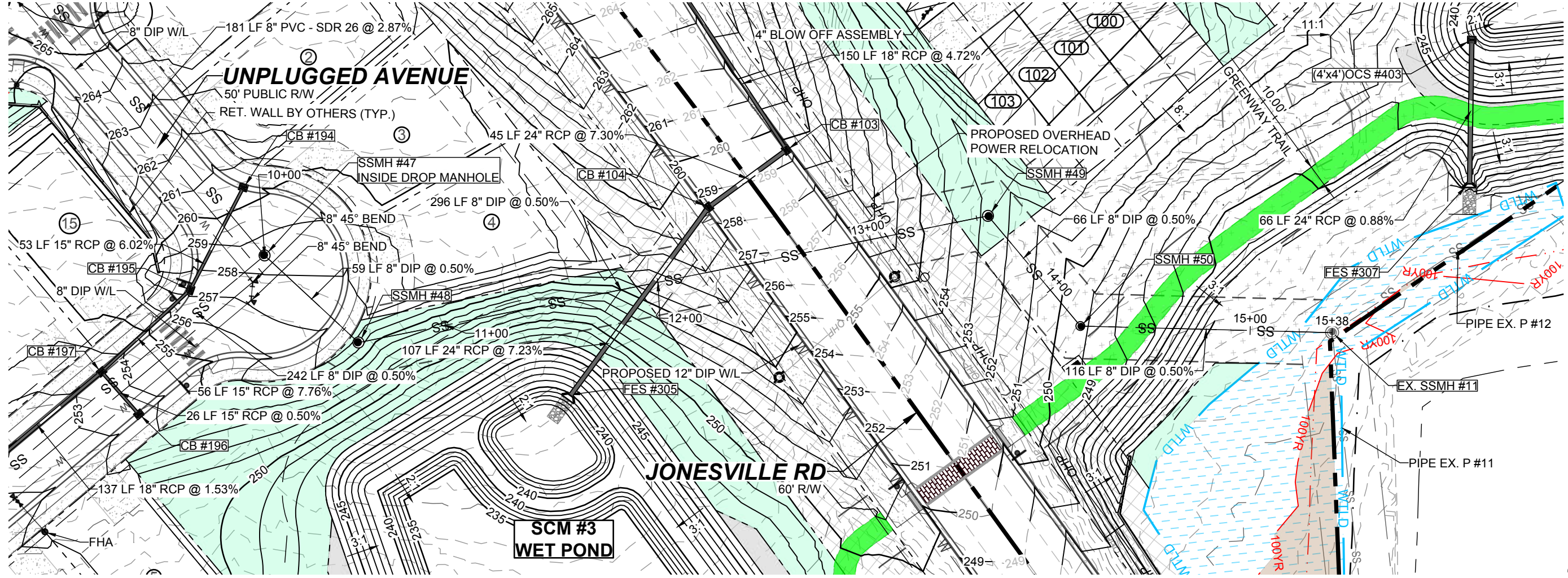
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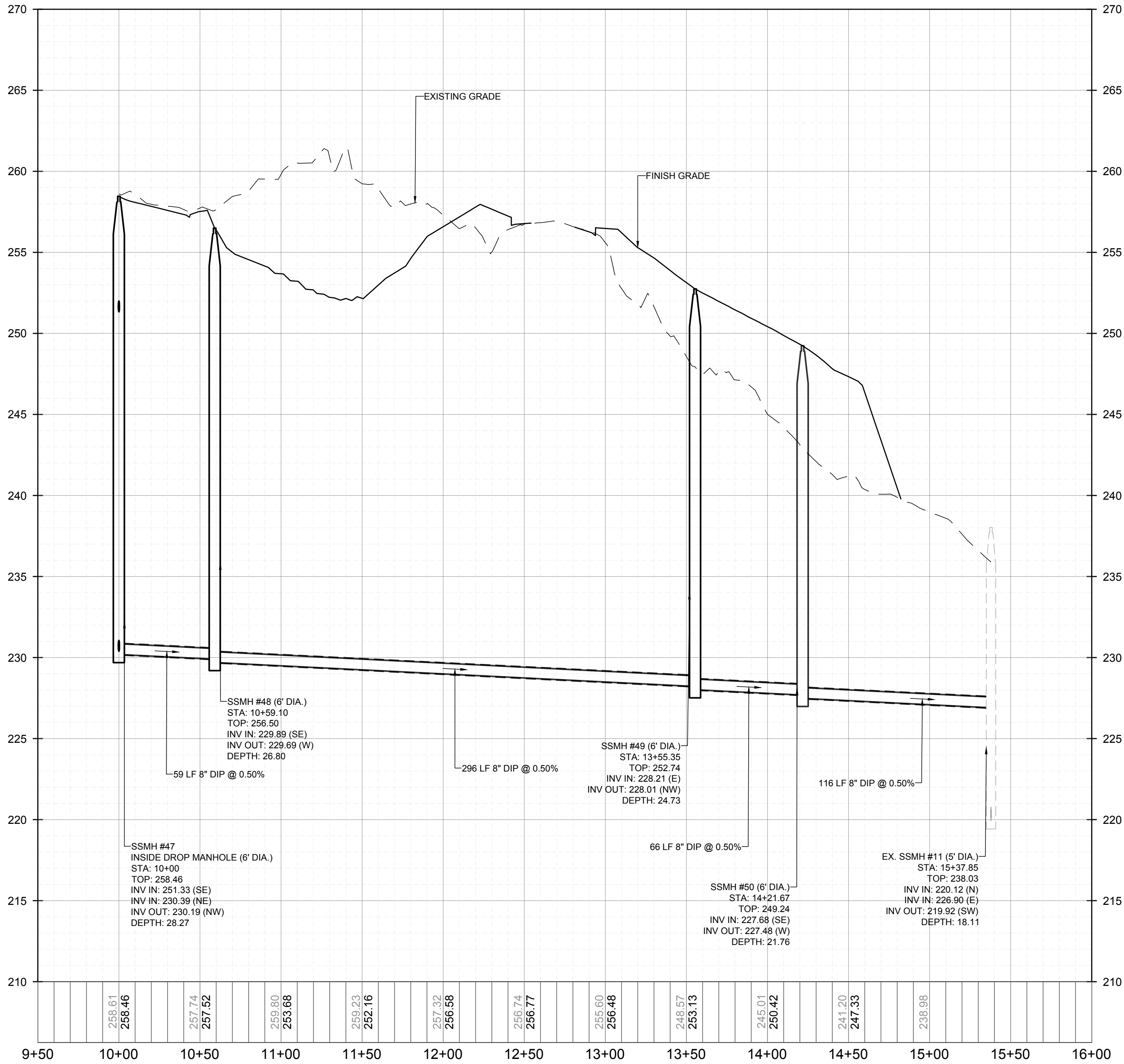
PROPOSED SSMH #37 - SSMH #39 - PLAN
HORIZONTAL: 1" = 50'



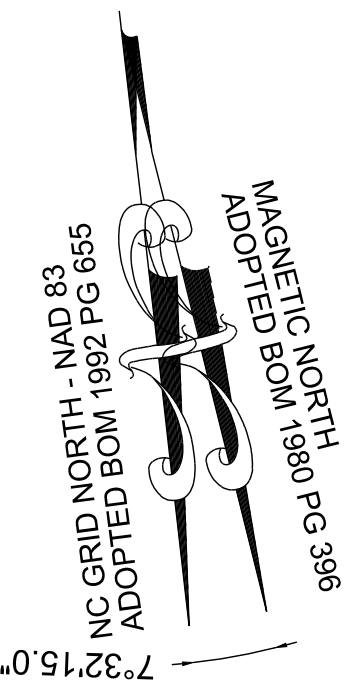
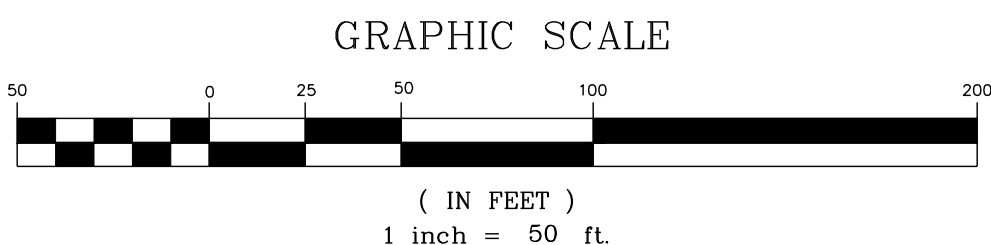
PROPOSED SSMH #37 - SSMH #39 - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'



PROPOSED SSMH #47 - EX SSMH #11 - PLAN
HORIZONTAL: 1" = 50'



PROPOSED SSMH #47 - EX SSMH #11 - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'



CONSTRUCTION INFRASTRUCTURE DRAWINGS				REVISIONS		BY
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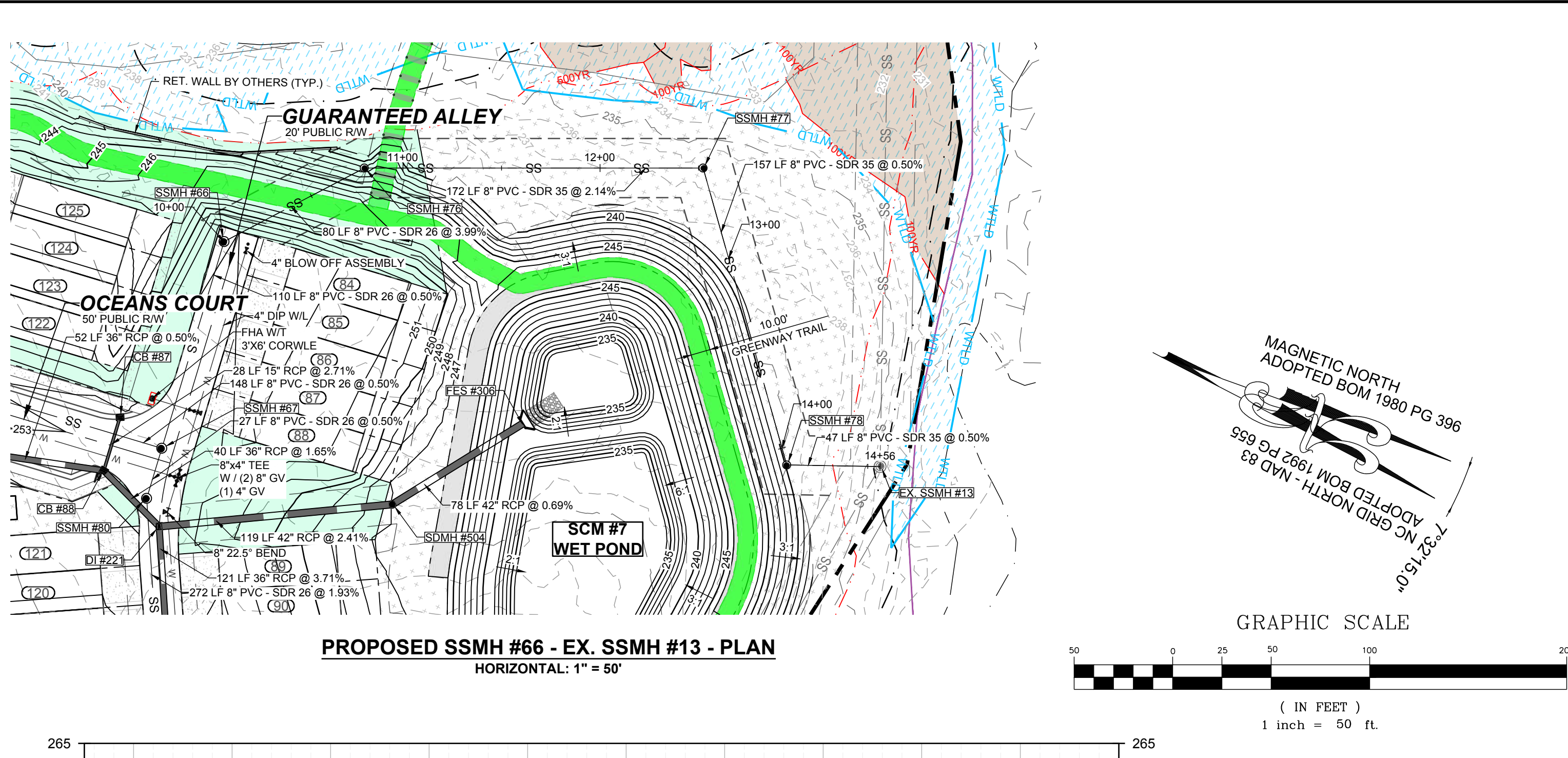
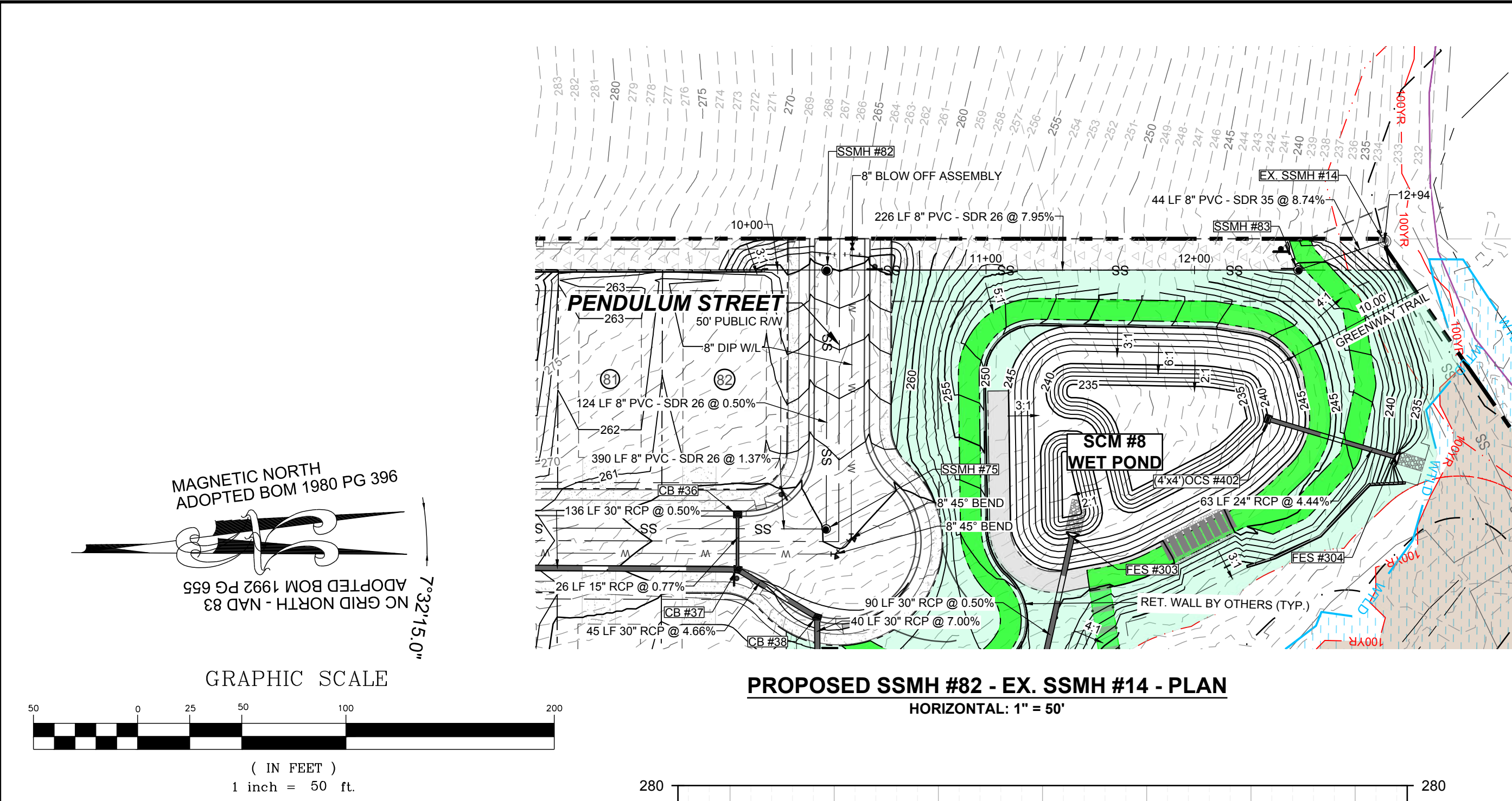
SEAL:

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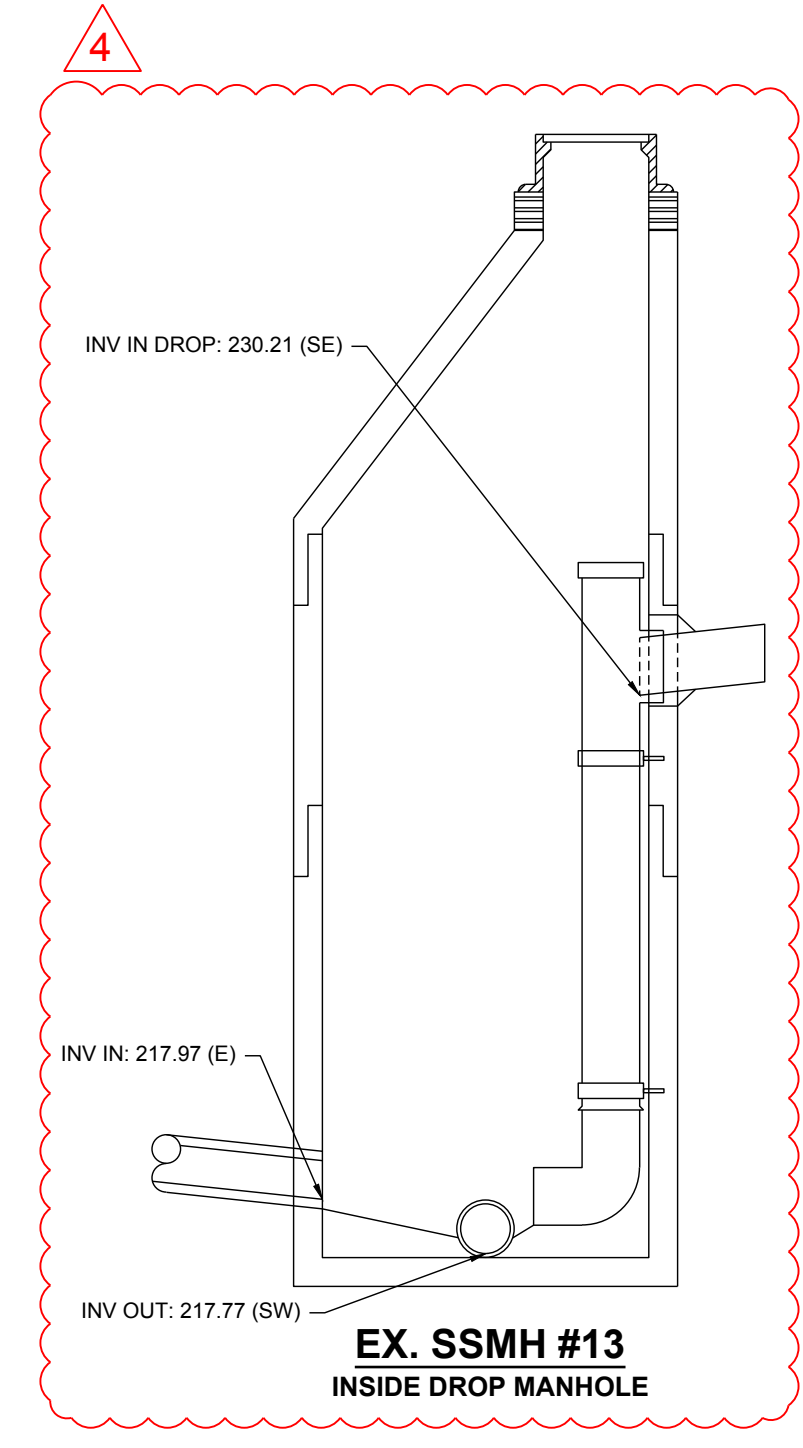
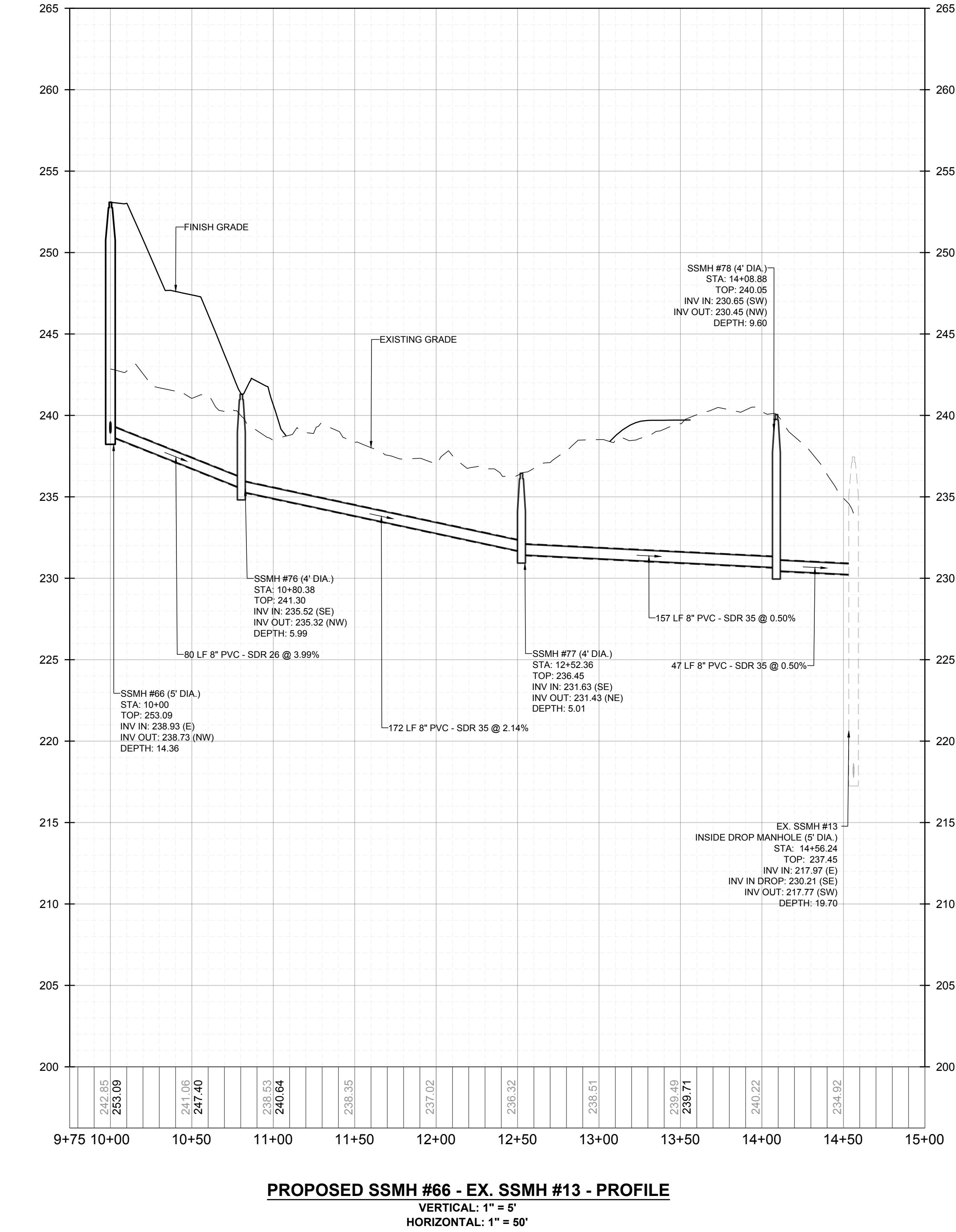
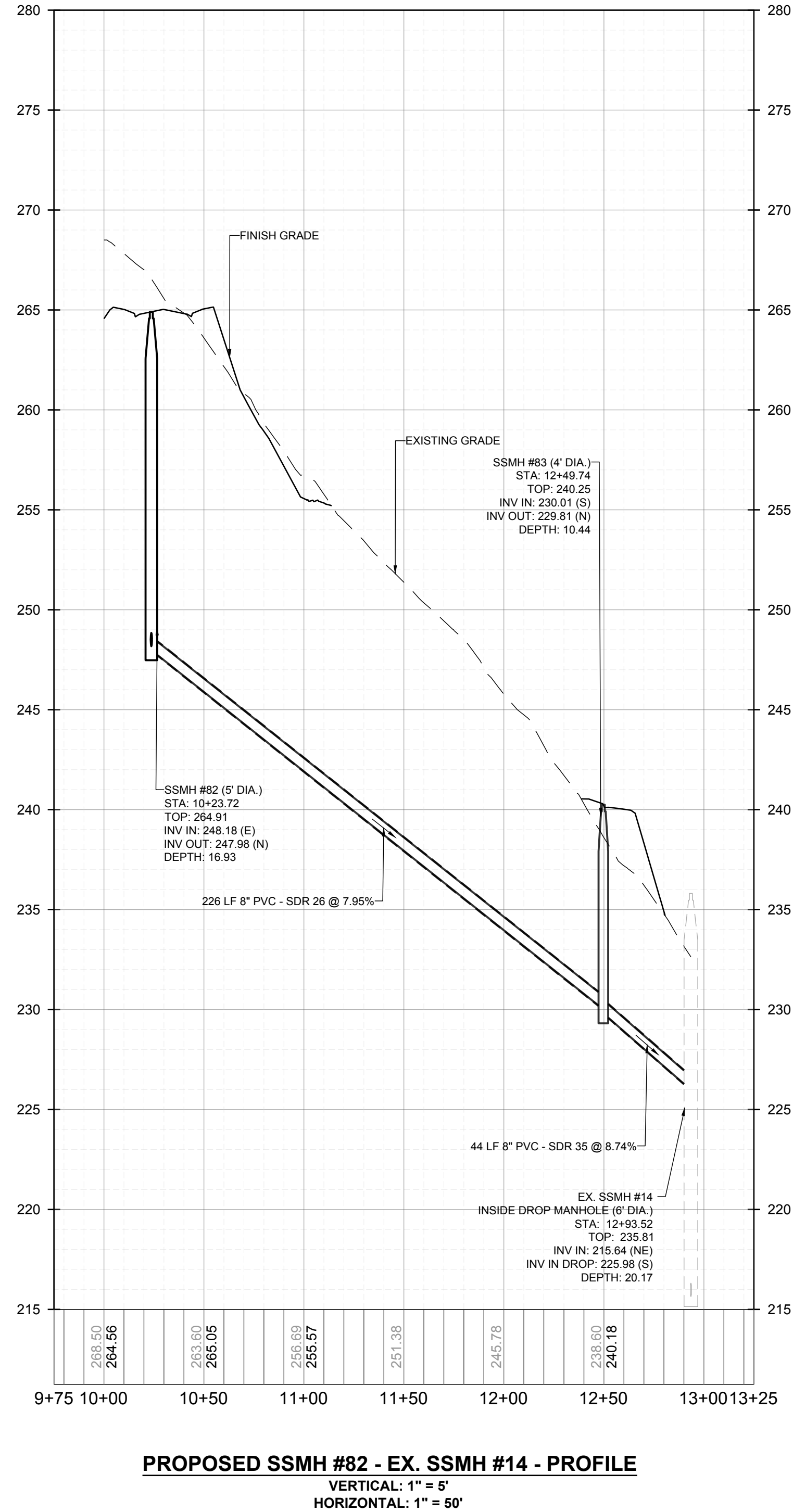
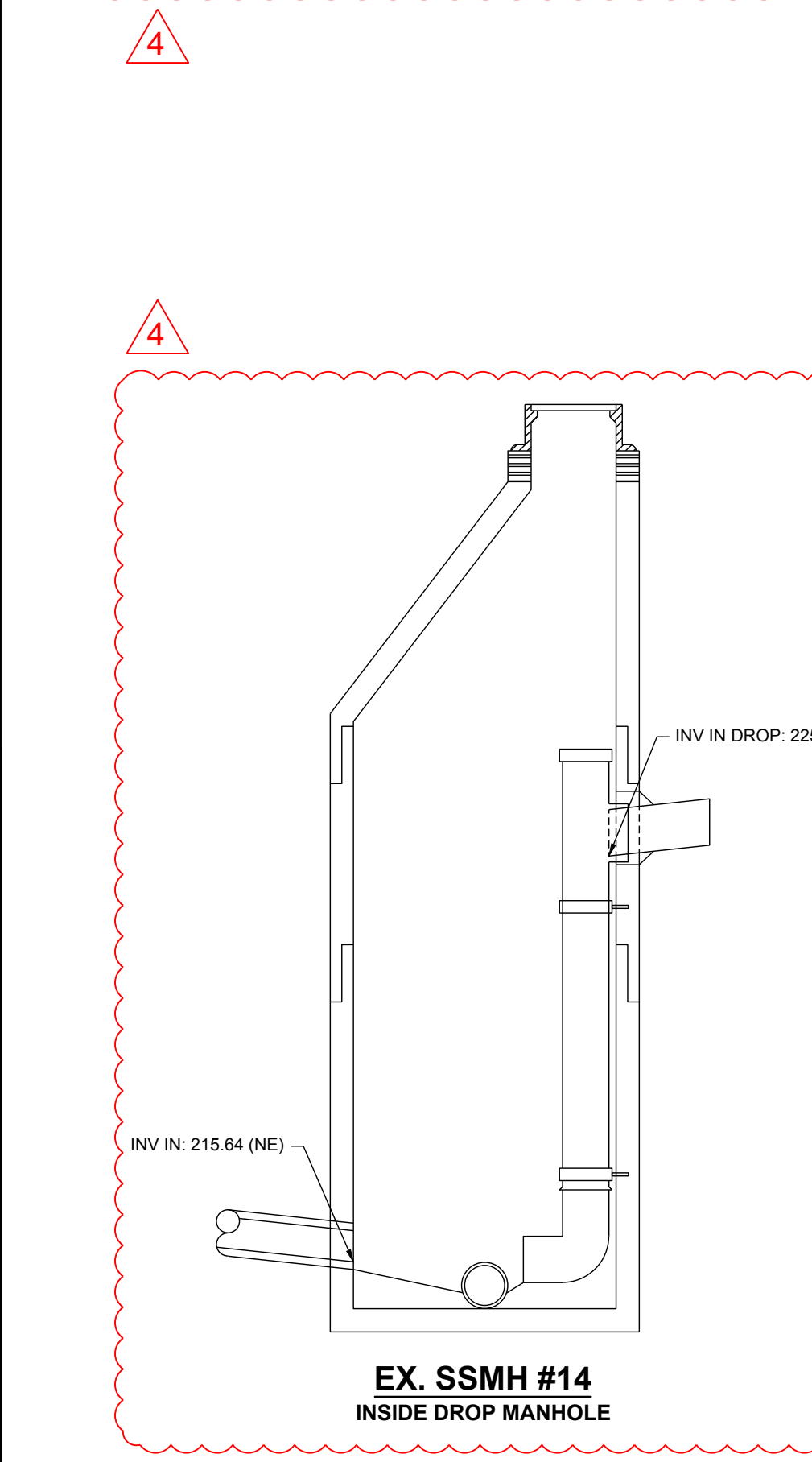
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
ON-SITE SANITARY SEWER -
PLAN & PROFILE

DRAWING SHEET
C-11.41
137 OF 227



PUBLIC
WATER DISTRIBUTION / EXTENSION SYSTEM
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CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-34-04	08/04/2024	SREG	01	02	03	04	NO.	REVISIONS	DATE	BY
TOWN OF ROLESVILLE CID-34-04 V2	11/07/2024	SREG								
TOWN OF ROLESVILLE CID-34-04 V3	02/07/2024	SREG								
TOWN OF ROLESVILLE CID-34-04 V4	08/02/2025	SREG								

SEAL:

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STRONG ROCK PROJECT
PSP-23-03

NOT FOR CONSTRUCTION

SCALE AS SHOWN

DESIGNED BY SRG

DRAWN BY SRG

CHECKED BY SRG

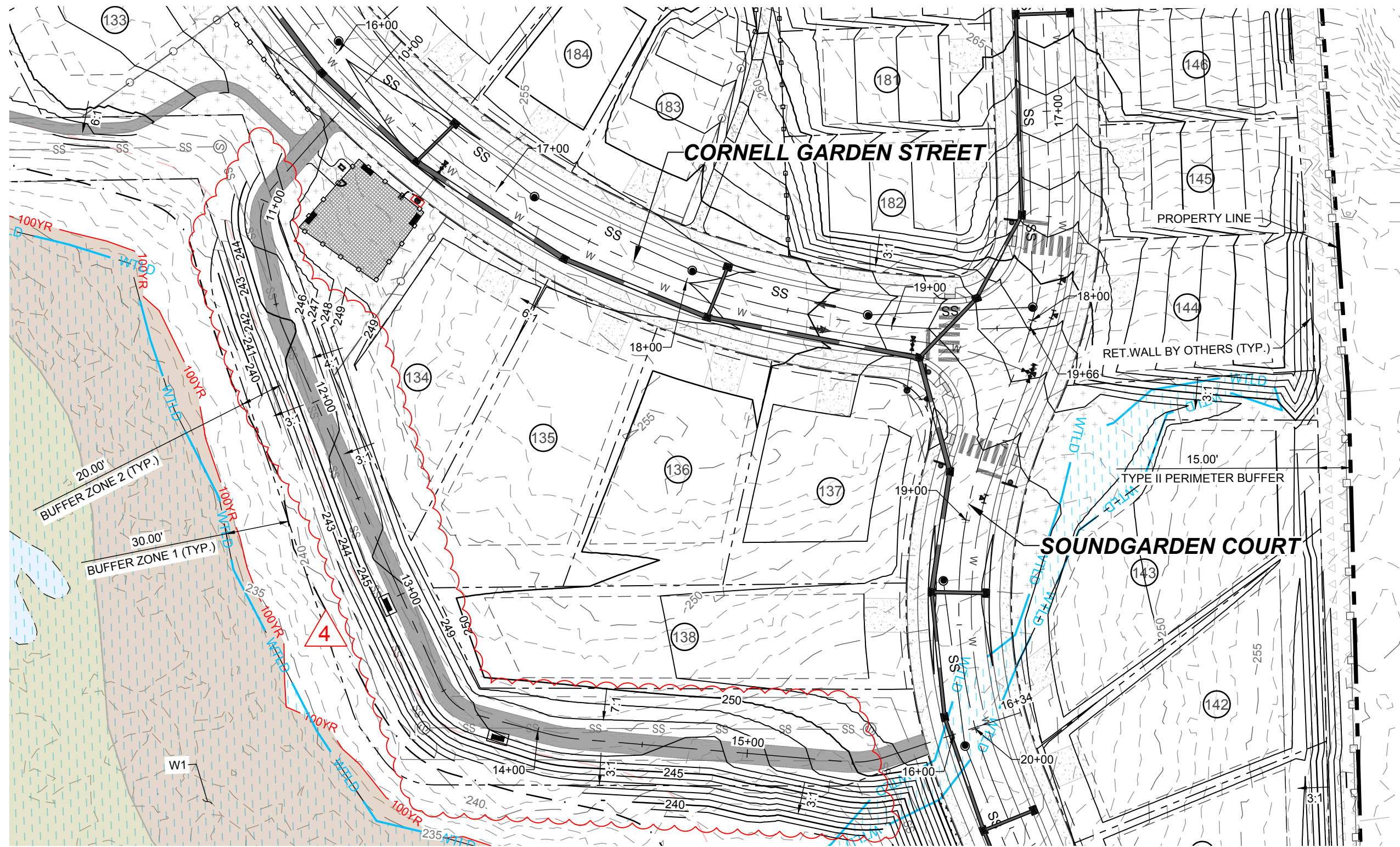
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

CONSTRUCTION PLANS

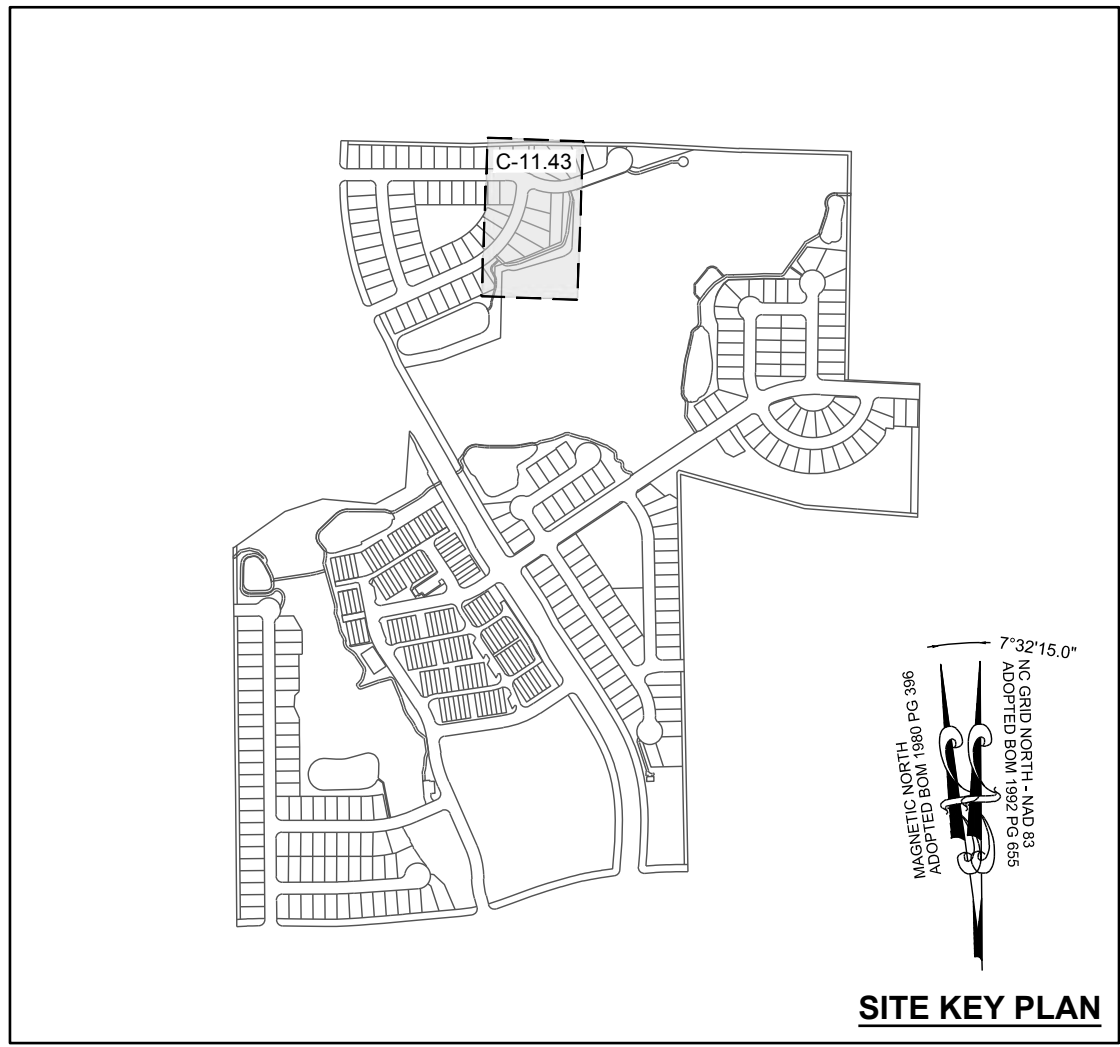
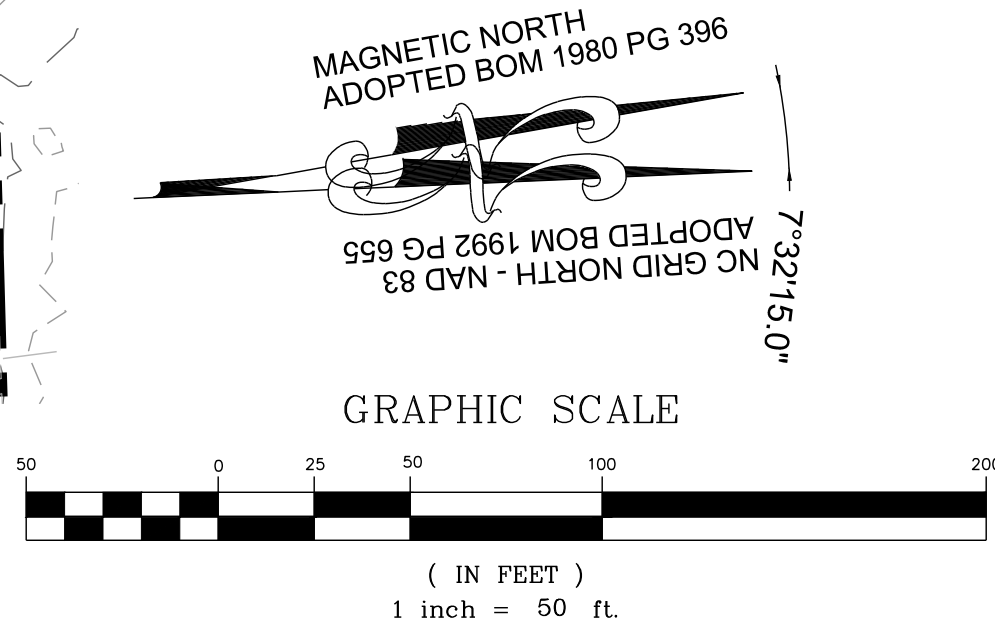
ON-SITE SANITARY SEWER - PLAN & PROFILE

C-11.42

138 OF 227



PROPOSED MULTI USE ASPHALT PATH - PLAN
HORIZONTAL: 1" = 50'



4

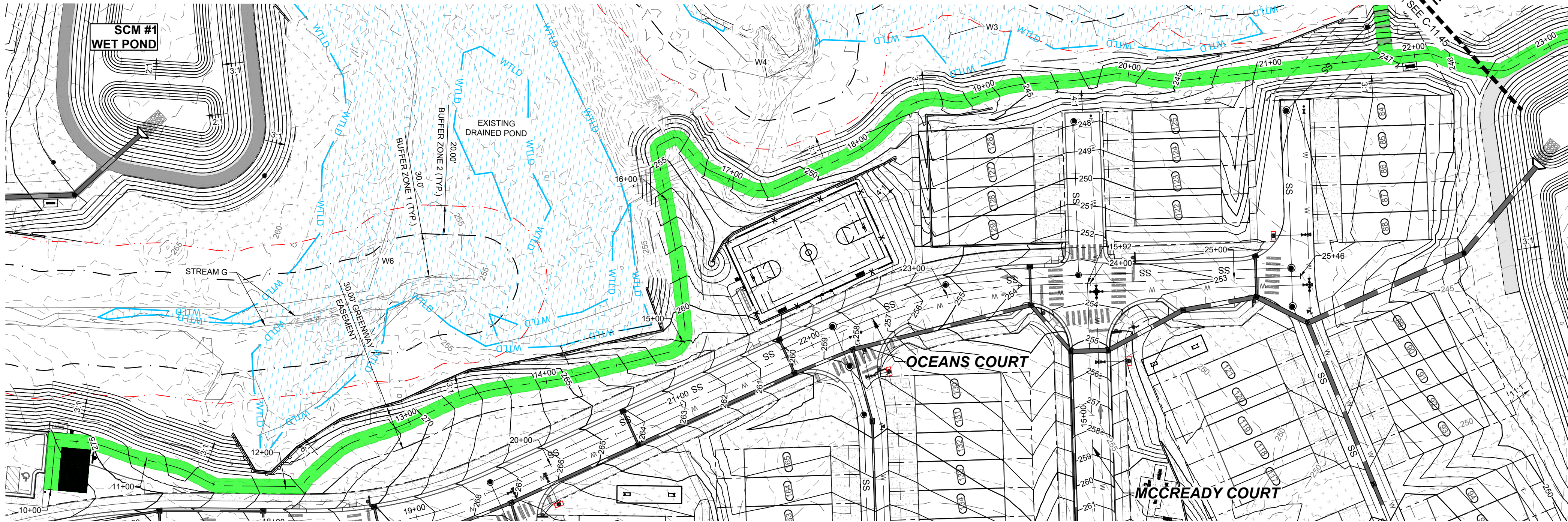
PUBLIC
WATER DISTRIBUTION / EXTENSION SYSTEM
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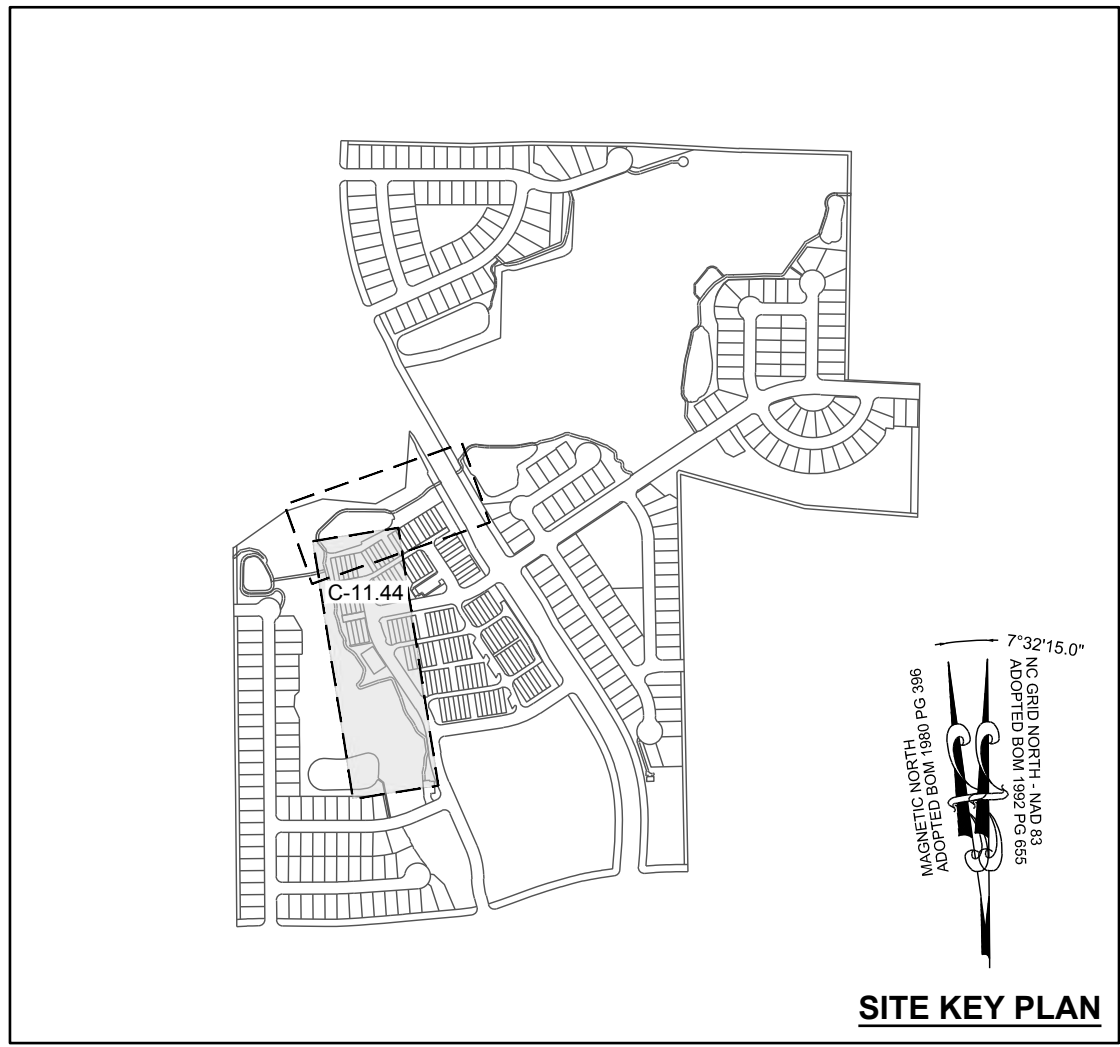


PROPOSED MULTI USE ASPHALT PATH - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

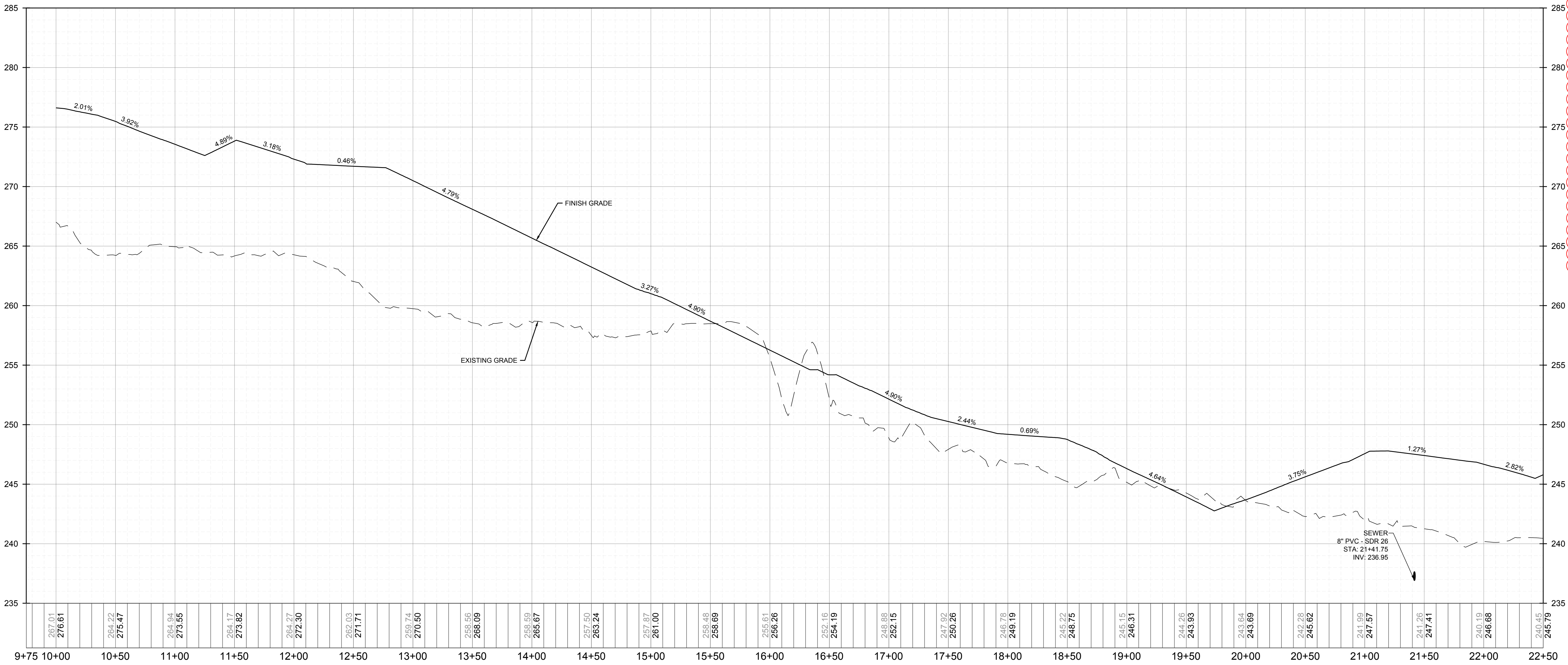
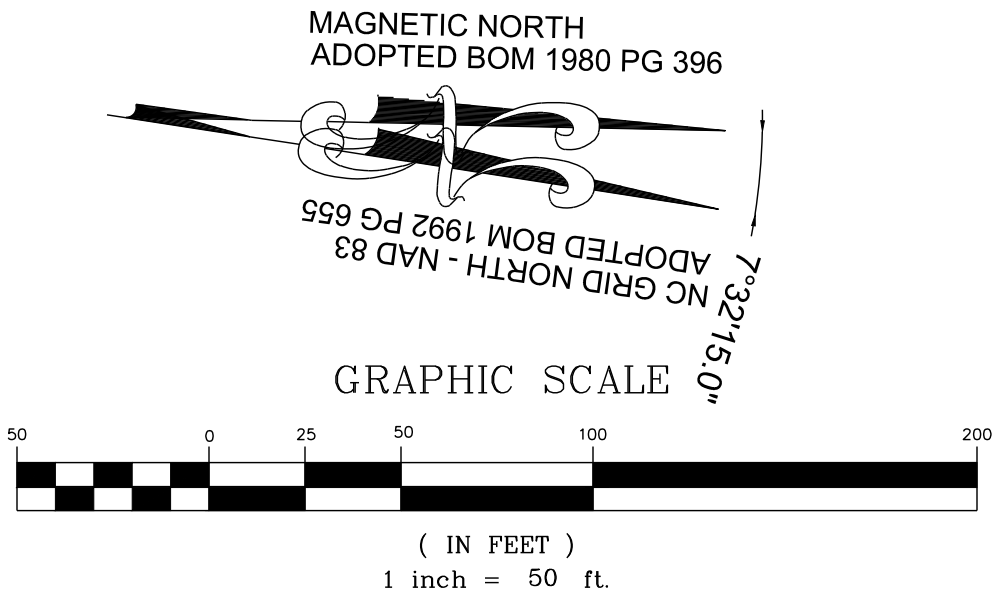
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02	TOWN OF ROLESVILLE CID-24-04 V3	02/07/2024	SREG					
03	TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SREG					
04								
STRONG ROCK ENGINEERING GROUP				STRONG ROCK ENGINEERING GROUP, PLLC COMPANY LICENSE # P-2166 305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 INFORMATION@STRONGROCKGROUP.COM				
RESERVE @ MITCHELL MILL TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA CONSTRUCTION PLANS MULTI USE ASPHALT PATH - PLAN & PROFILE				DRAWING SHEET C-11.43				
139 OF 227								



PROPOSED GREENWAY 1 - PLAN
HORIZONTAL: 1" = 50'



SITE KEY PLAN



PROPOSED GREENWAY 1 - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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CONSTRUCTION INFRASTRUCTURE DRAWINGS
CID-24-04

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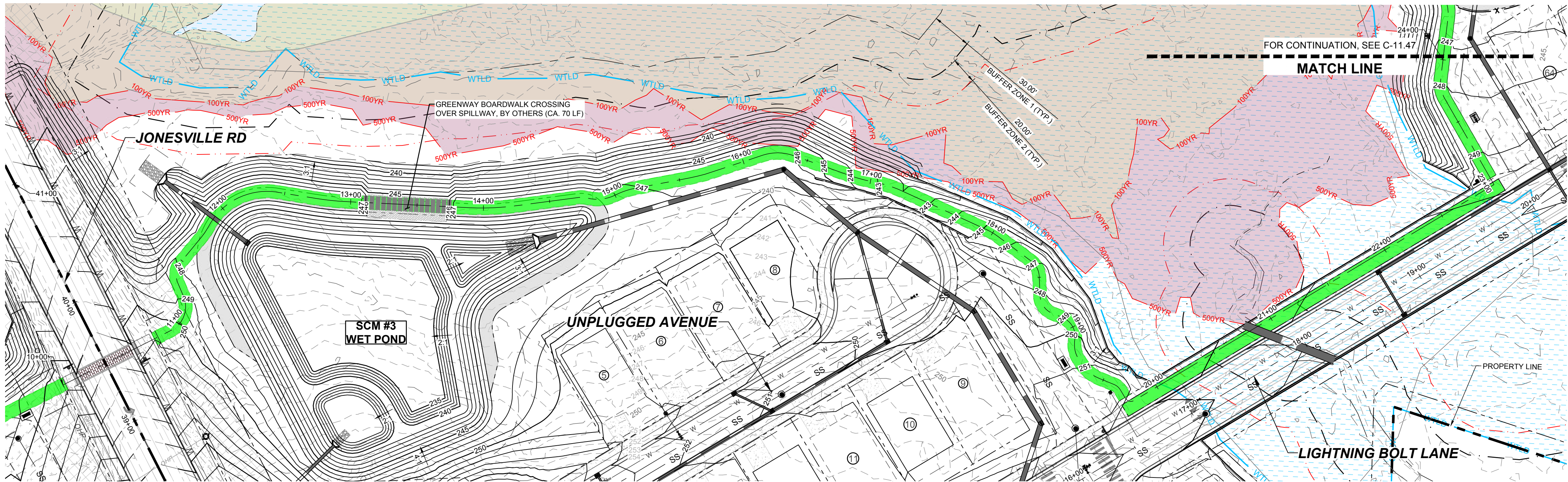
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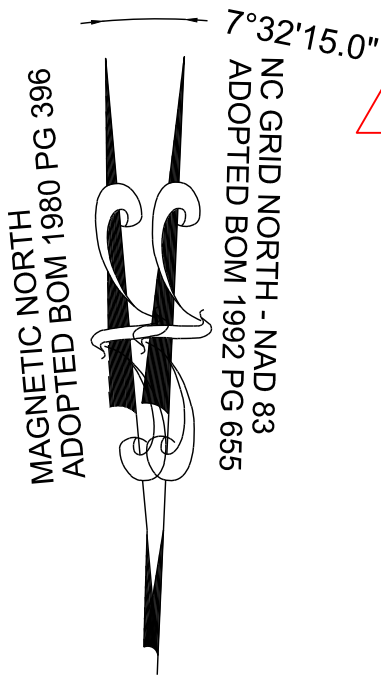
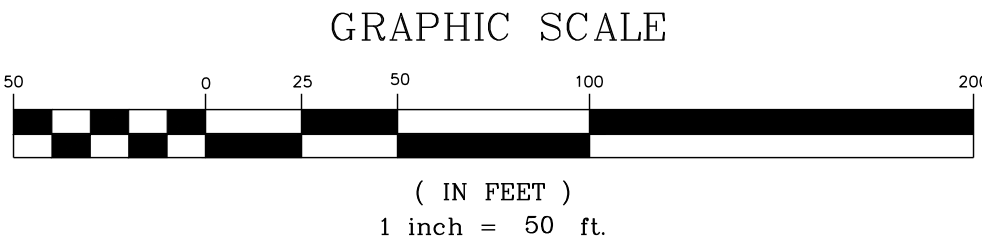
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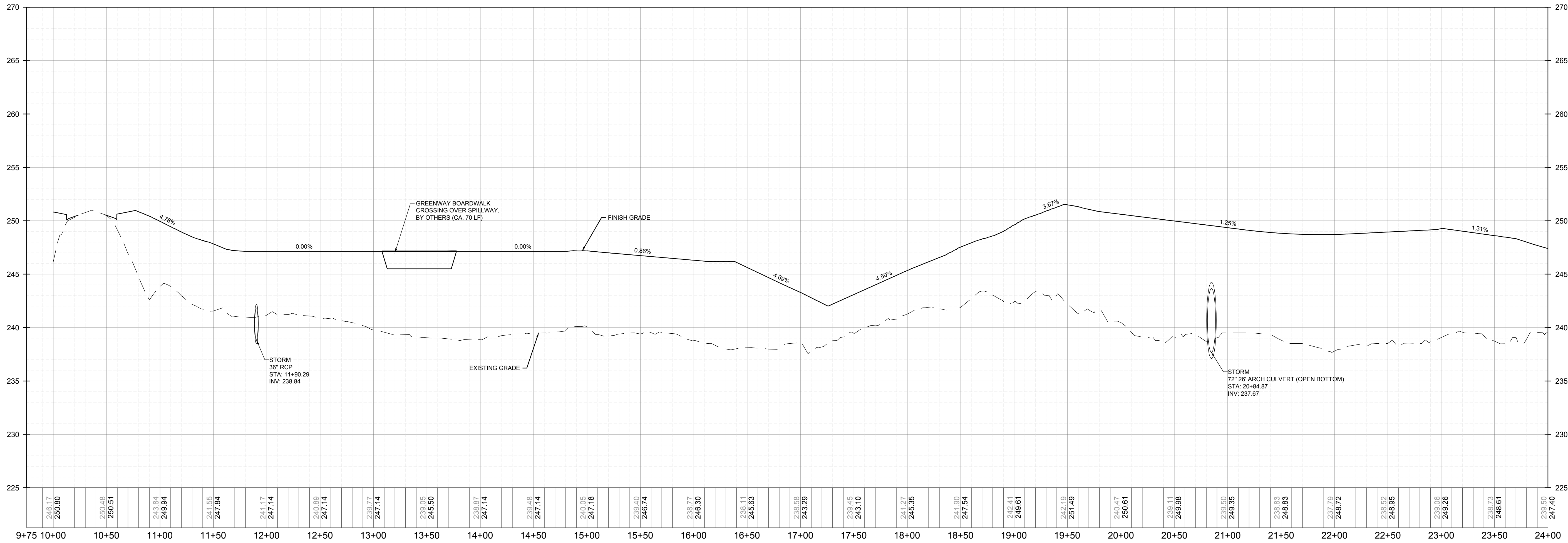


PROPOSED GREENWAY 2 - PLAN
HORIZONTAL: 1" = 50'



PUBLIC WATER DISTRIBUTION / EXTENSION SYSTEM
THE CITY OF RALEIGH CONSENTS TO THE CONNECTION AND EXTENSION OF THE CITY'S PUBLIC WATER SYSTEM AS SHOWN ON THIS PLAN. THE MATERIAL AND CONSTRUCTION METHODS USED FOR THIS PROJECT SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY'S PUBLIC UTILITIES HANDBOOK.
CITY OF RALEIGH
PUBLIC UTILITIES DEPARTMENT PERMIT # _____

PUBLIC SEWER COLLECTION / EXTENSION SYSTEM
THE CITY OF RALEIGH CONSENTS TO THE CONNECTION AND EXTENSION OF THE CITY'S PUBLIC SEWER SYSTEM AS SHOWN ON THIS PLAN. THE MATERIAL AND CONSTRUCTION METHODS USED FOR THIS PROJECT SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY'S PUBLIC UTILITIES HANDBOOK.
CITY OF RALEIGH
PUBLIC UTILITIES DEPARTMENT PERMIT # _____



PROPOSED GREENWAY 2 - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04				08/04/2024	SRREG	BY
TOWN OF ROLESVILLE CID-24-04 V2				11/07/2024	SRREG	
TOWN OF ROLESVILLE CID-24-04 V3				02/07/2024	SRREG	
TOWN OF ROLESVILLE CID-24-04 V4				08/02/2025	SRREG	
No.				REVISIONS		DATE
SEAL:						

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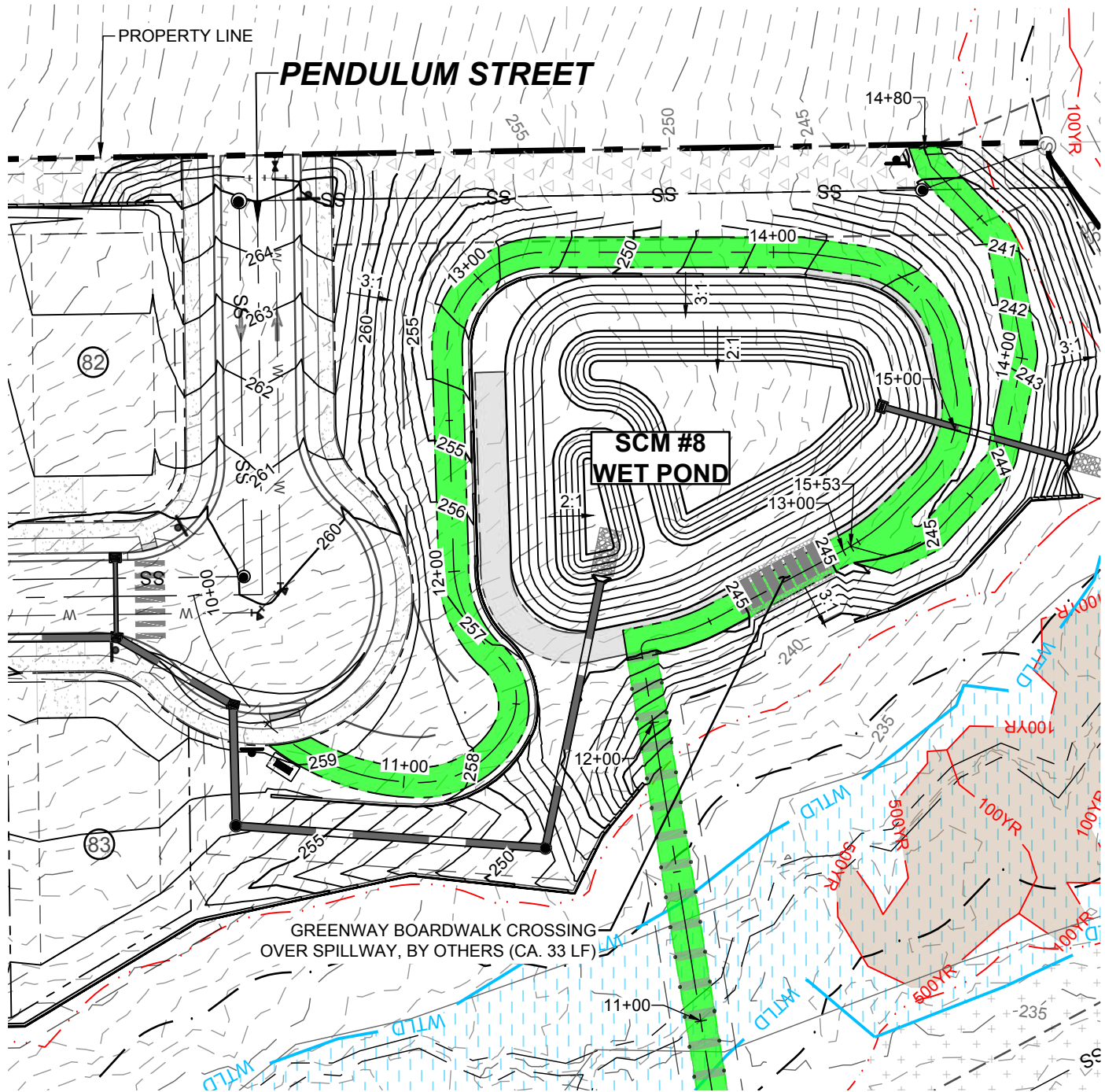
STRONG ROCK PROJECT PSP-24-03	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY SRG	DRAWN BY SRG	CHECKED BY SRG
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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

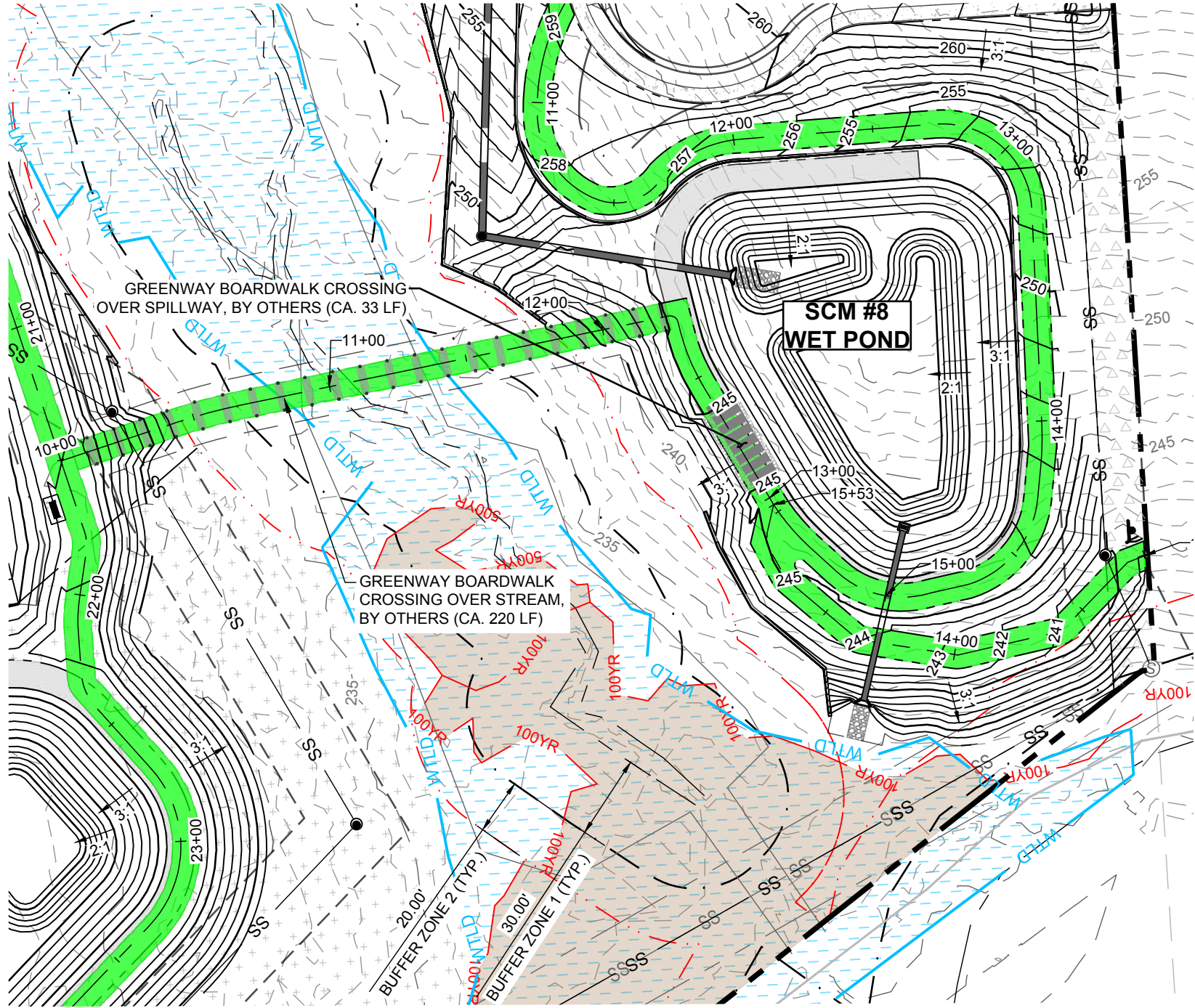
CONSTRUCTION PLANS

PROPOSED GREENWAY 2
- PLAN & PROFILE

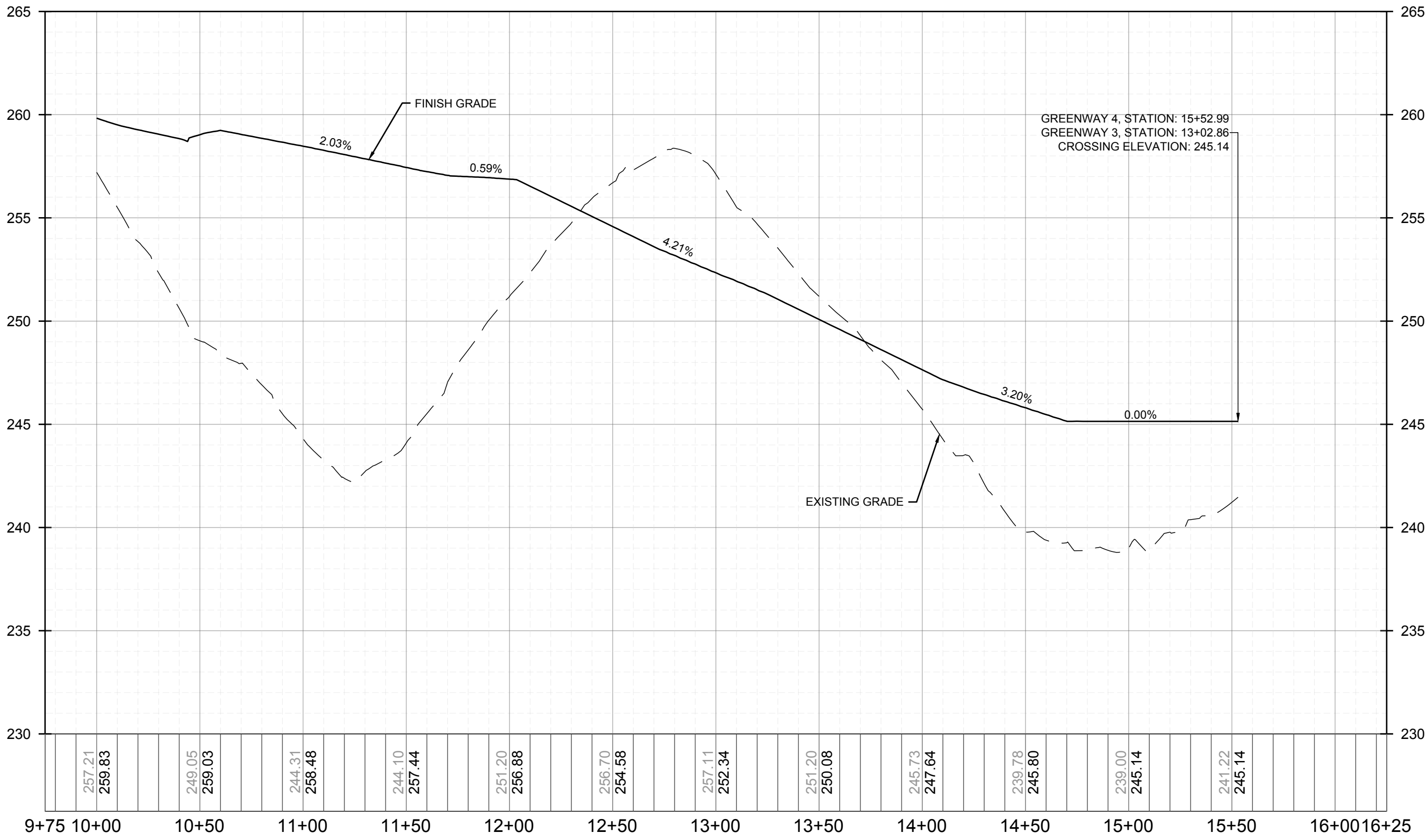
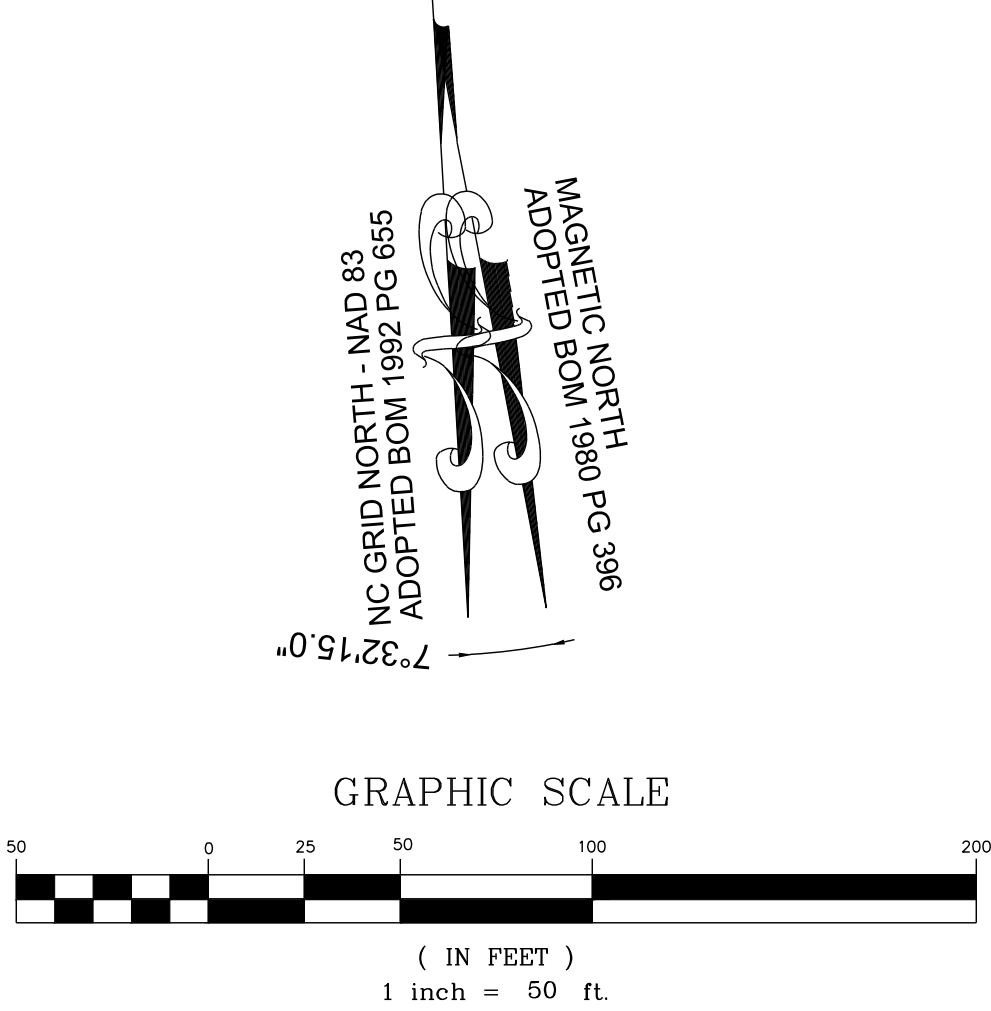
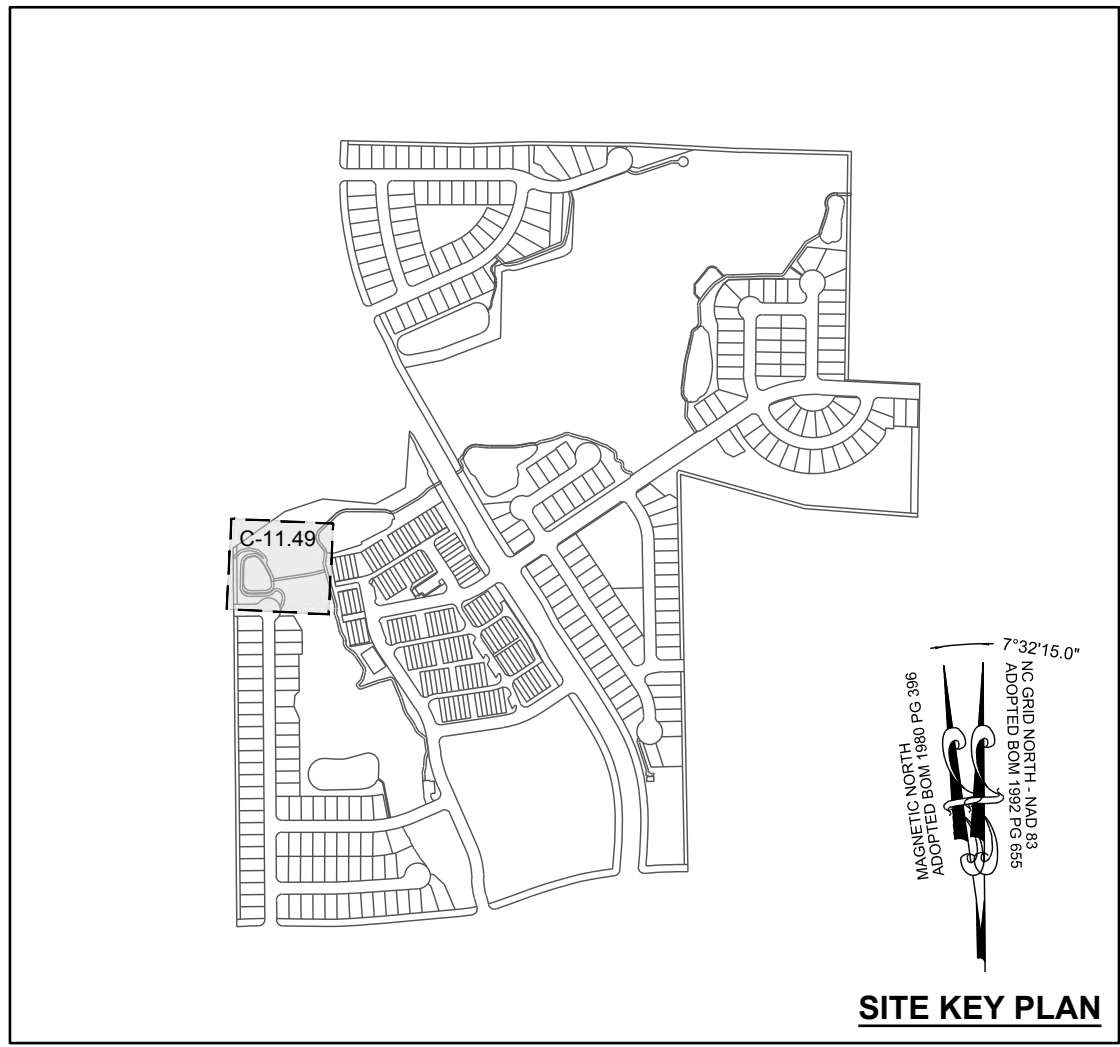
DRAWING SHEET
C-11.46
142 OF 227



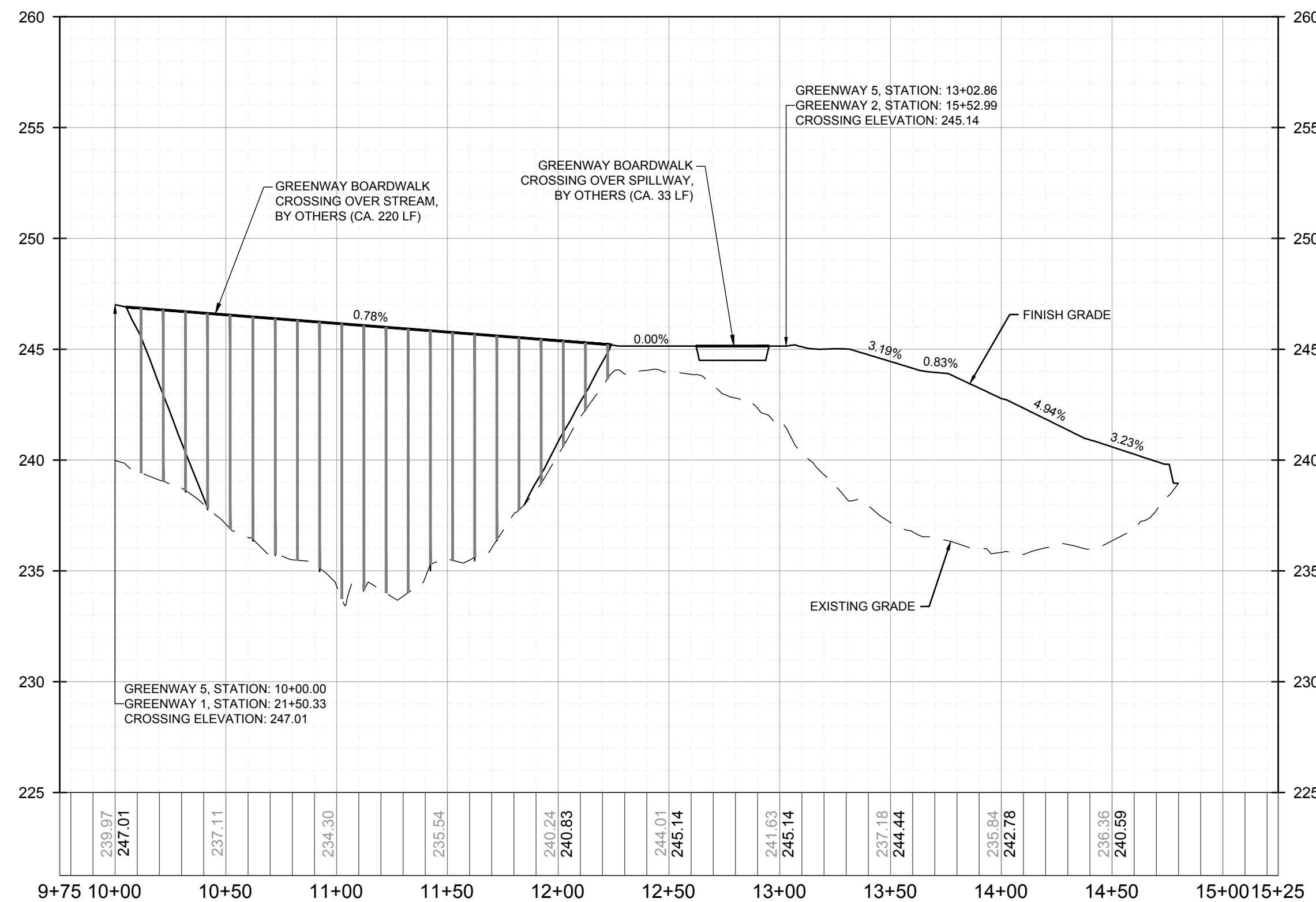
PROPOSED GREENWAY 4 - PLAN
HORIZONTAL: 1" = 50'



PROPOSED GREENWAY 5 - PLAN
HORIZONTAL: 1" = 50'



PROPOSED GREENWAY 4 - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'



PROPOSED GREENWAY 5 - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

PUBLIC
WATER DISTRIBUTION / EXTENSION SYSTEM
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CITY OF RALEIGH
PUBLIC UTILITIES DEPARTMENT PERMIT # _____

PUBLIC
SEWER COLLECTION / EXTENSION SYSTEM
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CITY OF RALEIGH
PUBLIC UTILITIES DEPARTMENT PERMIT # _____

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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

CONSTRUCTION PLANS

PROPOSED GREENWAY 4 & 5
- PLAN & PROFILE

DRAWING SHEET

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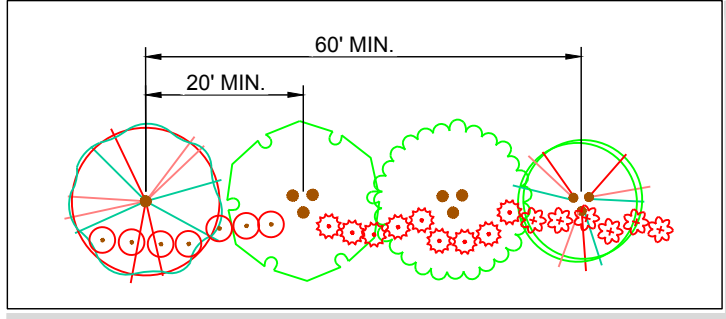
CONSTRUCTION INFRASTRUCTURE DRAWINGS				REVISIONS		BY
NO.	DATE	DESCRIPTION	BY	DATE	BY	DATE
01	08/04/2024	CID-24-04				
02	11/07/2024	TOWN OF ROLESVILLE CID-24-04 V2				
03	02/07/2024	TOWN OF ROLESVILLE CID-24-04 V3				
04	08/02/2025	TOWN OF ROLESVILLE CID-24-04 V4				

SEAL:

NC GRID NORTH - NAD 83
ADOPTED BOM 1992 PG 655

MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

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30' STREET YARD BUFFER

NOTES:
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

LANDSCAPING NOTES:
1. BUFFERS SHALL BE PLATTED AS SEPARATE TRACTS TO BE OWNED AND MAINTAINED BY THE HOA OR SIMILAR ENTITY.
2. OPEN SPACE RECORDED AS A CONSERVATION EASEMENT SHALL BE INDICATED ON ALL DEVELOPMENT APPROVALS.

TOWNHOME NOTES:
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT.

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	HEIGHT	CONTAINER	CALIPER	MIN. SPACING
STREET TREES								
	ACE FLD	51	ACER FLORIDANUM	SOUTHERN SUGAR MAPLE	12' HT.	B&B	3.0"	40' OC
	ACE SCR	55	ACER X FREEMANII 'SCARSEN'	SCARLET SENTINEL® RED MAPLE	12' HT.	B&B	3.0"	40' OC
	CAR FST	20	CARPINUS BETULUS 'FASTIGIATA'	UPRIGHT EUROPEAN HORNBEAM	12' HT.	B&B	3.0"	40' OC
	CLA LUT	29	CLADRASTIS LUTEA	AMERICAN YELLOWWOOD	12' HT.	B&B	3.0"	40' OC
	GIN AUT	21	GINKGO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD MAIDENHAIR TREE	12' HT.	B&B	3.0"	40' OC
	GLE TTI	36	GLEDITSIA TRIACANTHOS F. INERMIS	THORNLESS HONEY LOCUST	12' HT.	B&B	3.0"	40' OC
	NYS SYL	38	NYSSA SYLVATICA	TUPELO	12' HT.	B&B	3.0"	40' OC
	PIS SAR	43	PISTACIA CHINENSIS 'SARAH'S RADIANCE'	SARAH'S RADIANCE CHINESE PISTACHE	12' HT.	B&B	3.0"	40' OC
	PLA OCC	20	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	12' HT.	B&B	3.0"	40' OC
	QUE CEN	43	QUERCUS BICOLOR 'BONNIE AND MIKE'	BEACON® OAK	12' HT.	B&B	3.0"	40' OC
	QUE UIY	27	QUERCUS HEMISPHERICA 'QHMTF'	AVALYN™ LAUREL OAK	12' HT.	B&B	3.0"	40' OC
	QUE SHU	46	QUERCUS SHUMARDII	SHUMARD OAK	12' HT.	B&B	3.0"	40' OC
	TIL AME	55	TILIA AMERICANA	AMERICAN LINDEN	12' HT.	B&B	3.0"	40' OC
SUBTOTAL:		484						
UNDERSTORY BUFFER								
	AME LKG	49	AMELANCHIER LAEVIS	ALLEGHENY SERVICEBERRY MULTI-TRUNK	8' HT.	B&B	3.0"	MULTI STEM
	CAR OCR	62	CARPINUS CAROLINIANA 'ORANGE CRUSH'	ORANGE CRUSH AMERICAN HORNBEAM	7' HT.	B&B	3.0"	MULTI STEM
	CHI VIR	50	CHIONANTHUS VIRGINICUS	WHITE FRINGETREE	6' HT.	B&B	3.0"	MULTI STEM
	LAG PXC	15	LAGERSTROEMIA INDICA X FAURIEI 'APALACHEE'	APALACHEE CRAPE MYRTLE	6' HT.	B&B	3.0"	MULTI STEM
	LAG OTN	62	LAGERSTROEMIA INDICA X FAURIEI 'COMANCHE'	COMANCHE CRAPE MYRTLE	6' HT.	B&B	3.0"	MULTI STEM
	LAG TON	16	LAGERSTROEMIA INDICA X FAURIEI 'TONTON'	TONTON CRAPE MYRTLE MULTI-TRUNK	6' HT.	B&B	3.0"	MULTI STEM
SUBTOTAL:		254						

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	DETAIL
BUFFER SHRUBS								
	ILE CON	475	ACER FLORIDANUM	CONVEX-LEAVED JAPANESE HOLLY	2' HT.	POT	48" O.C.	
	LOR 'C	512	LOROPETALUM CHINENSE RUBRUM 'CAROLINA MIDNIGHT'	CAROLINA MIDNIGHT FRINGE FLOWER	2' HT.	POT	48" O.C.	
	PRU CSL	499	PRUNUS LUSITANICA 'ANGUSTIFOLIA'	PORTUGAL LAUREL	3 GAL.	POT	48" O.C.	
SUBTOTAL:		1486						



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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

CONSTRUCTION PLANS

OVERALL LANDSCAPE PLAN

DRAWING SHEET

L-1.0

146 OF 227

CONSTRUCTION INFRASTRUCTURE DRAWINGS
CID-24-04

08/04/2024

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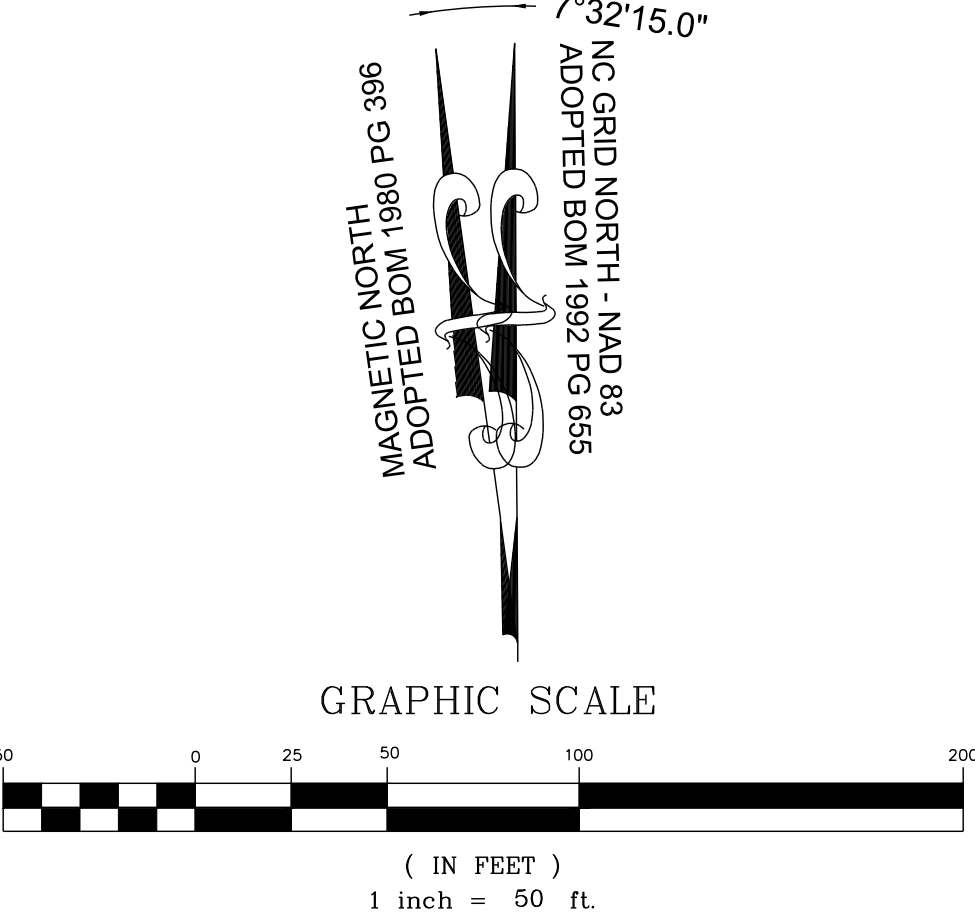
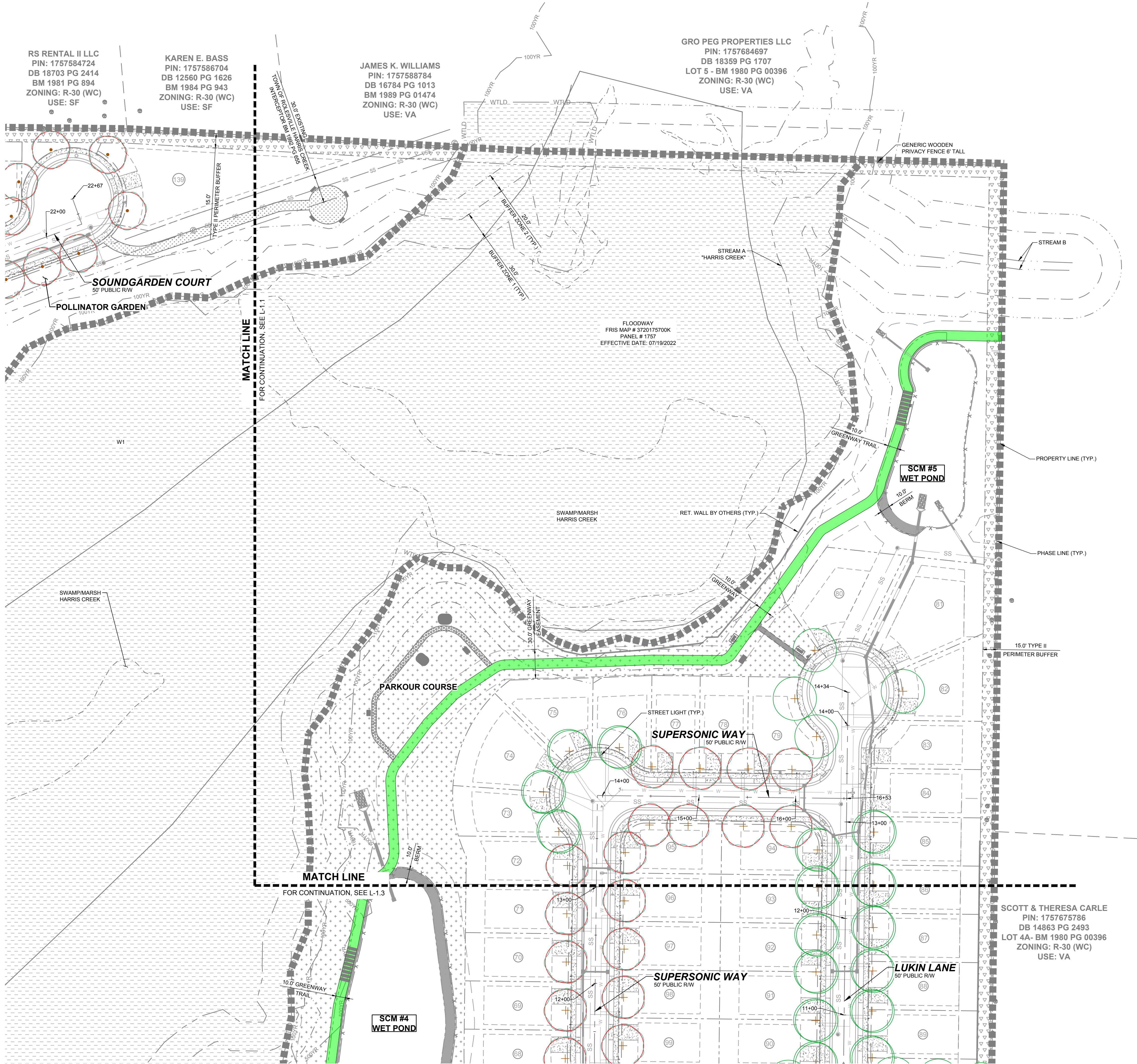
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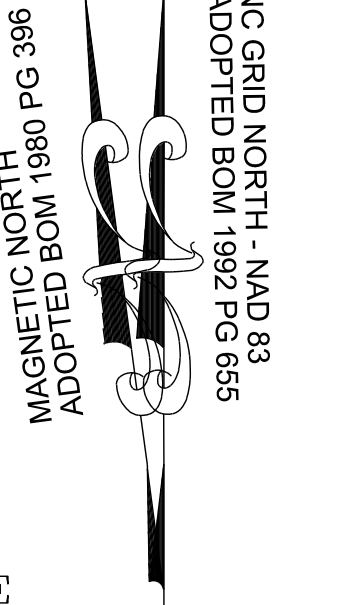
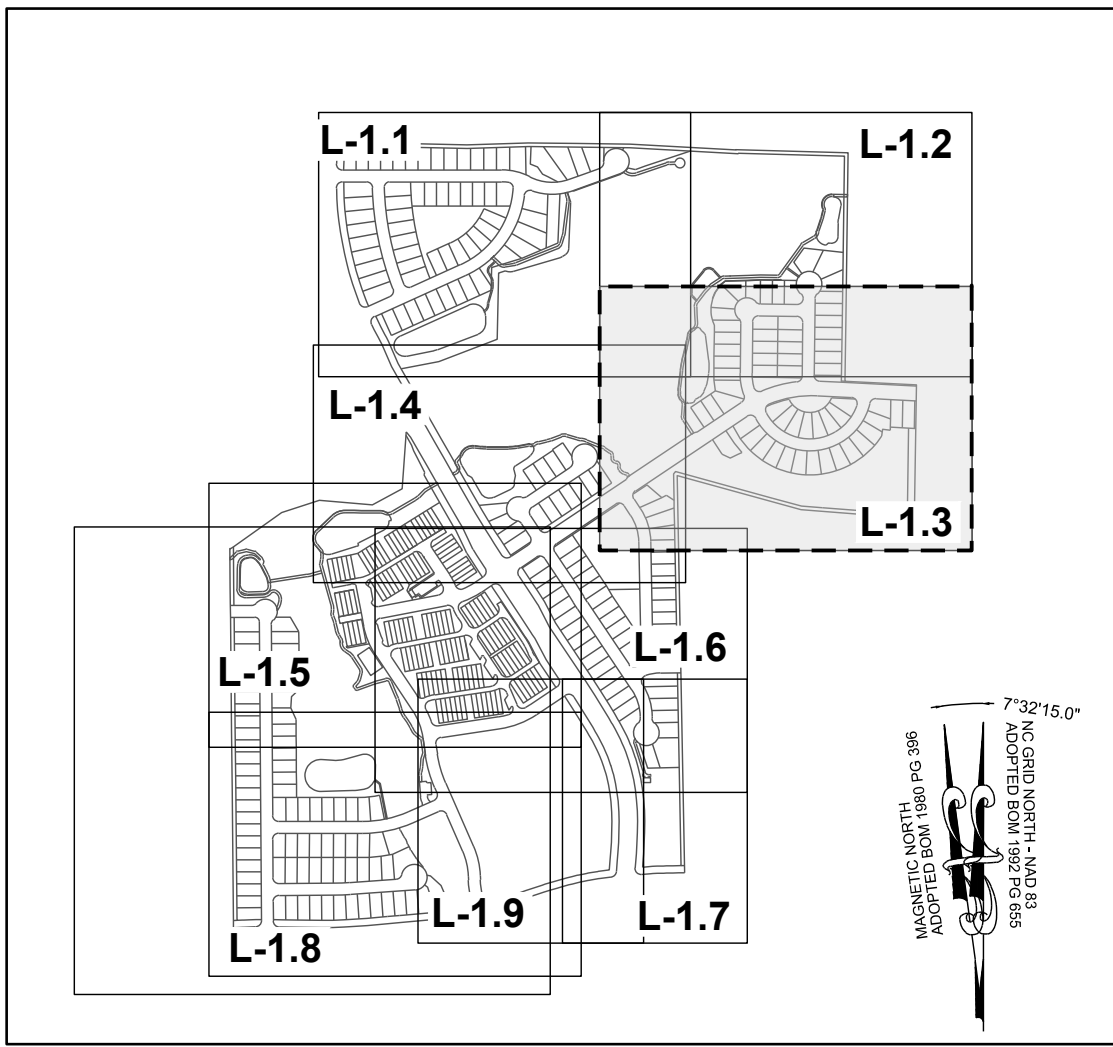
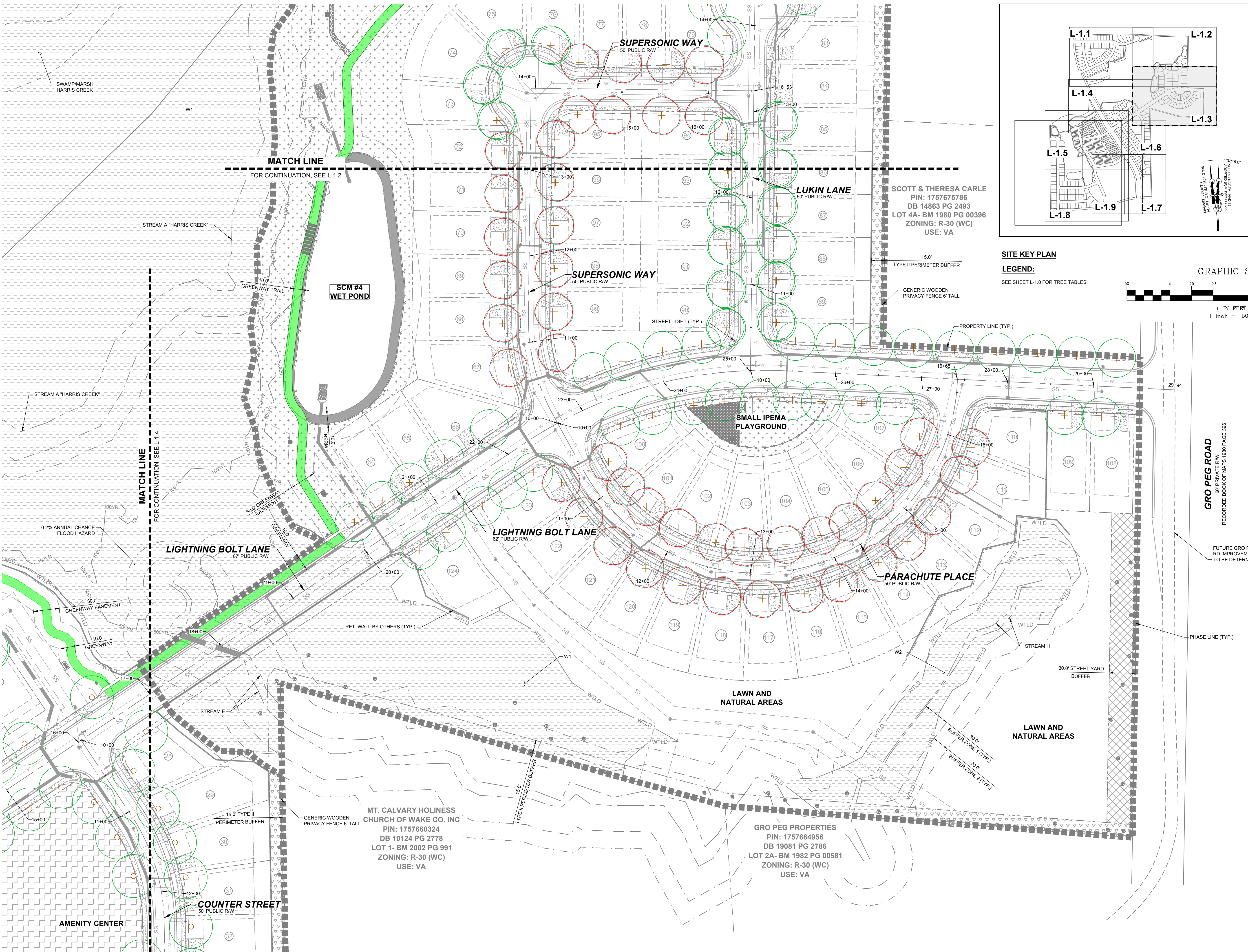
997

998

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1000





STRONG ROCK PROJECT PSP-23-03		NOT FOR CONSTRUCTION		SCALE	AS SHOWN	DESIGNED BY	SRG	DRAWN BY	SRG	CHECKED BY	SRG
RESERVE @ MITCHELL MILL TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA CONSTRUCTION PLANS PARTIAL LANDSCAPE PLAN III											
DRAWING SHEET L-1.3											
149 OF 227											

STRONG ROCK

ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166

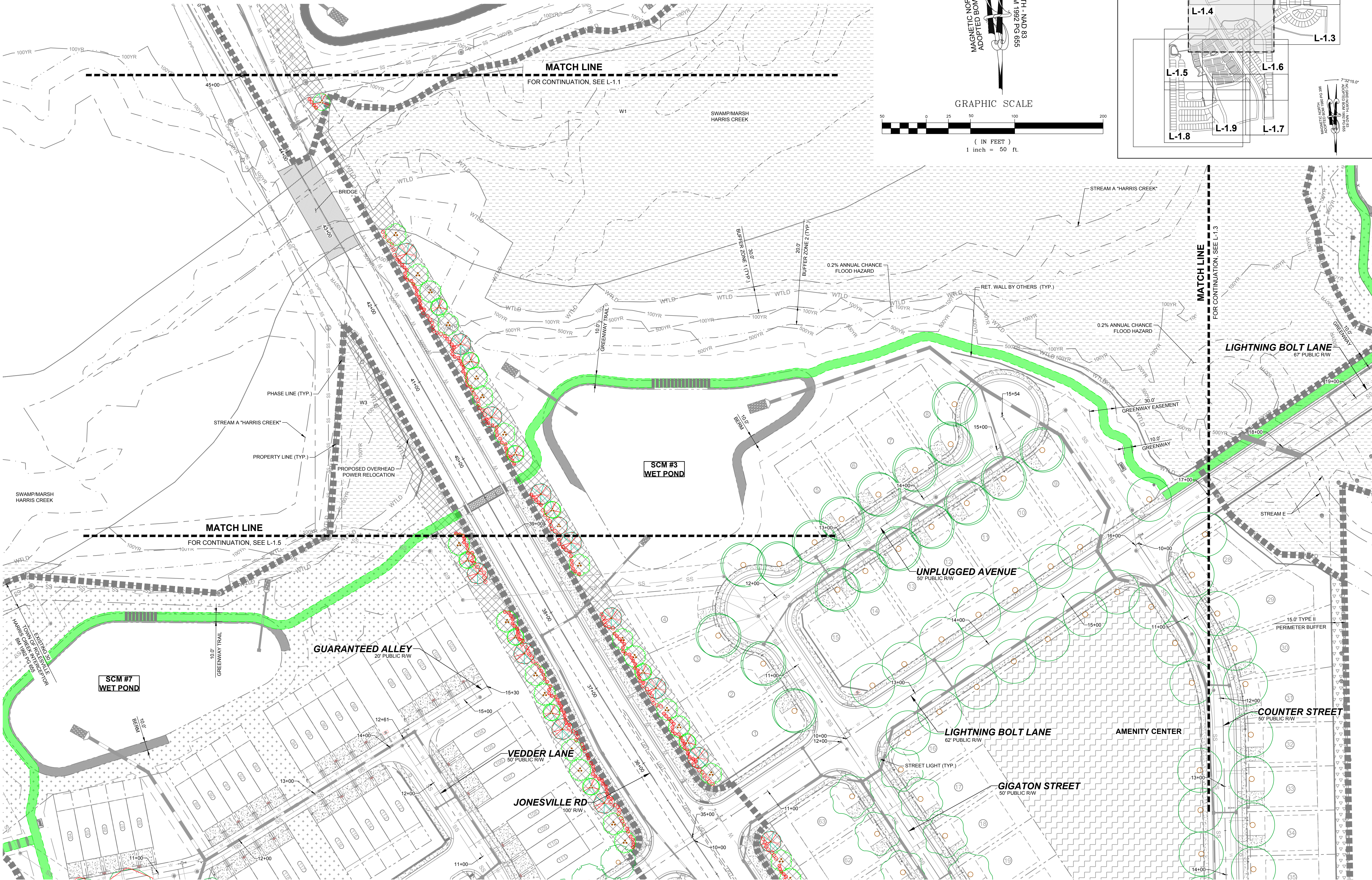
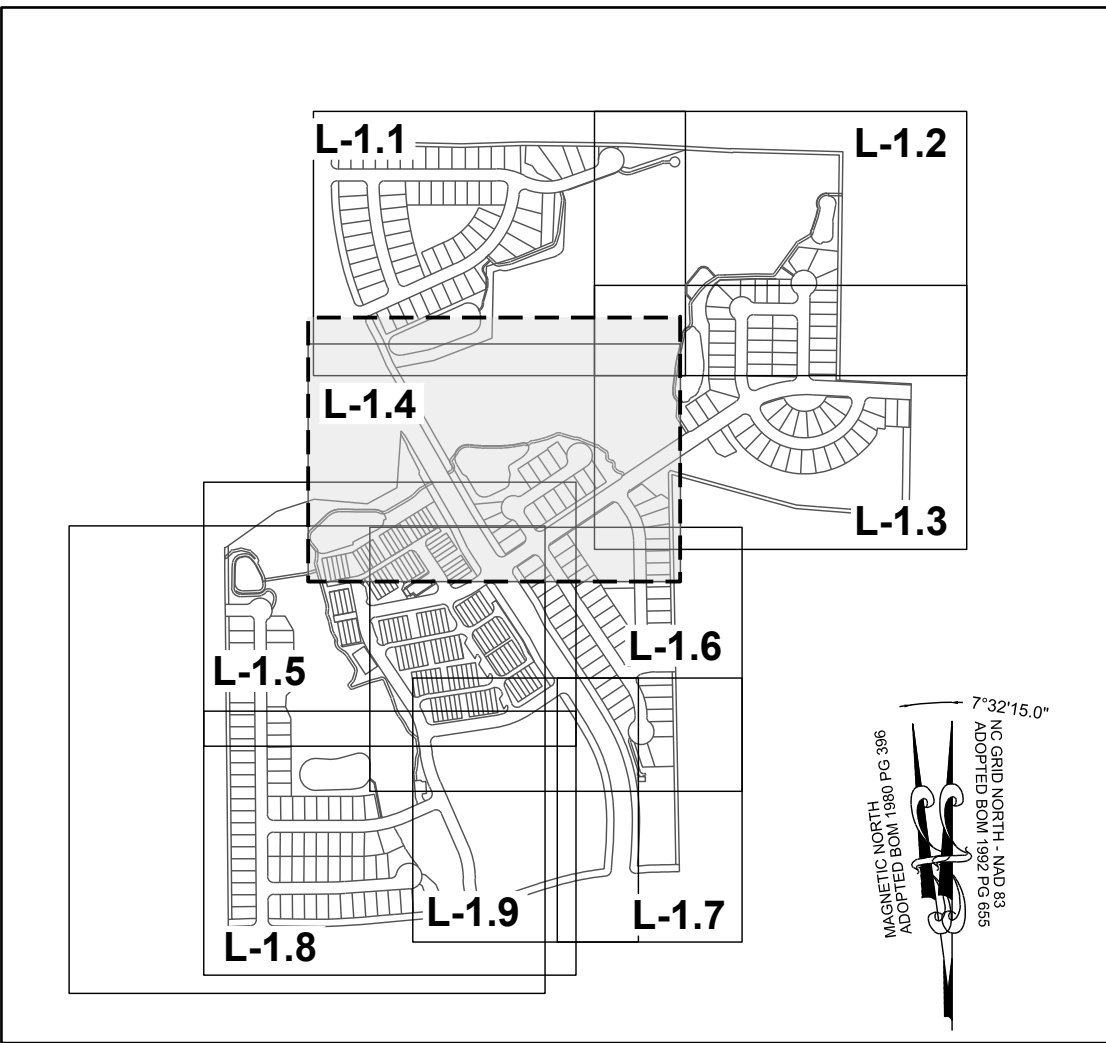
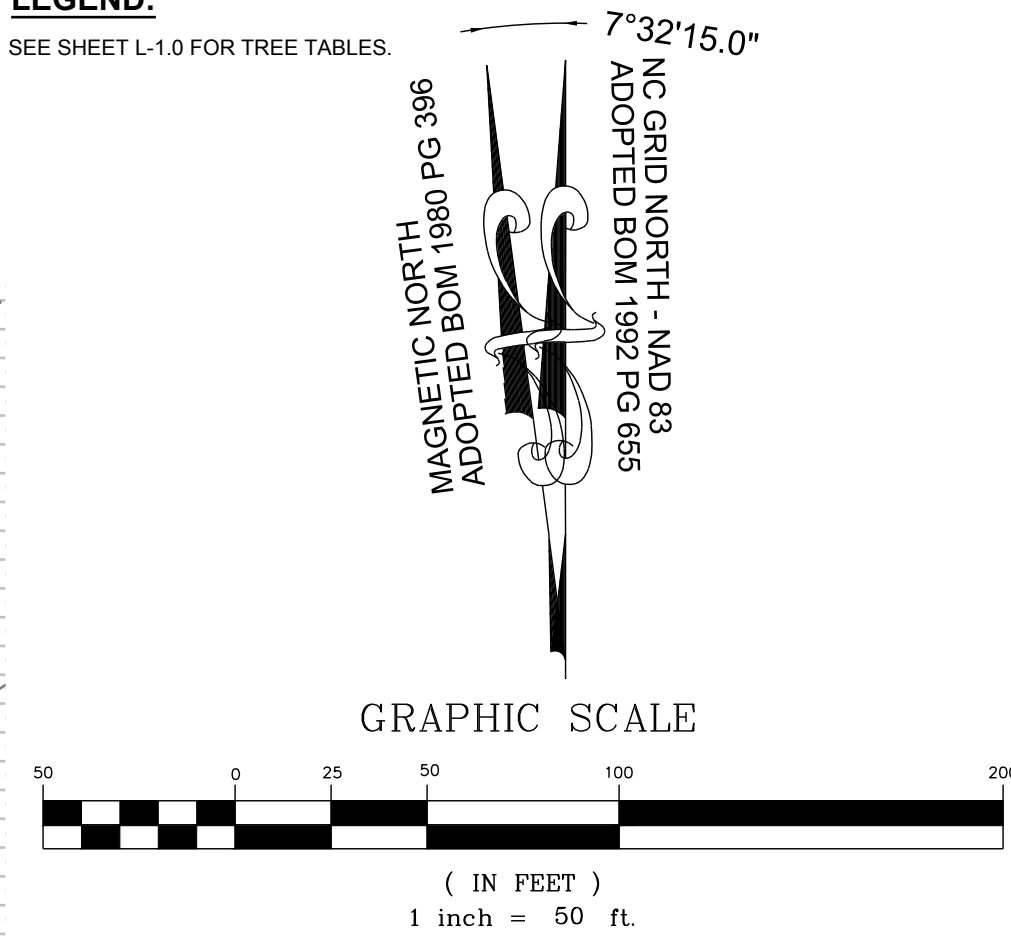
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

CONSTRUCTION INFRASTRUCTURE DRAWINGS	CID-24-04	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
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TOWNHOME NOTES:
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT

SITE KEY PLAN

LEGEND:
SEE SHEET L-1.0 FOR TREE TABLES.



TOWNHOME NOTES:

STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT

KENNETH INVESTMENT LLC.
PIN: 1757368816
DB 19248 PG 1884
ZONING: R-30 (WC)
USE: VA

MEGAN KULAWIAK
PIN: 1757367367
DB 16226 PG 1133
LOT 6
BM 1990 PG 00387
ZONING: R-30 (WC)
USE: VA

PROPERTY LINE (TYP.)

PHASE LINE (TYP.)

15.0'
TYPE II PERIMETER BUFFER

MATCH LINE

FOR CONTINUATION, SEE L-1.4

SCM #7
WET POND

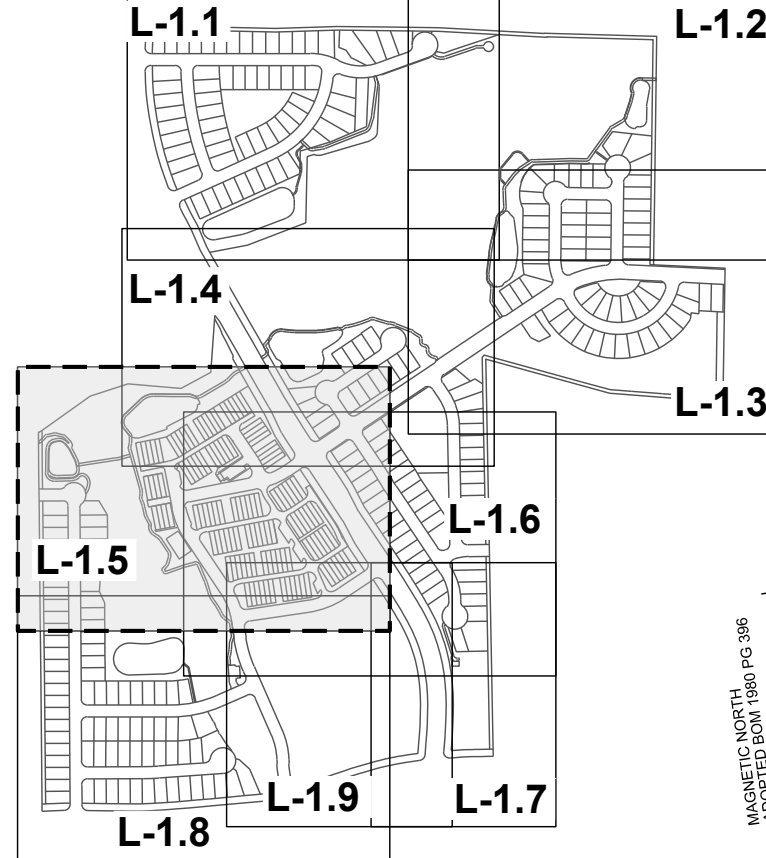
GUARANTEED ALLEY
20' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

SITE KEY PLAN

LEGEND:

SEE SHEET L-1.0 FOR TREE TABLES.



LIGHTNING BOLT LANE
62' PUBLIC R/W

JONESVILLE RD
100' R/W

PEARL JAM ALLEY
20' PUBLIC R/W

MCCREADY COURT
50' PUBLIC R/W

DARK MATTER ALLEY
20' PUBLIC R/W

POCKET PARK I

OCEANS COURT
50' PUBLIC R/W

MOOKIE ALLEY
20' PUBLIC R/W

CAMERON SOUND ALLEY
20' PUBLIC R/W

BETTERMAN DRIVE
50' PUBLIC R/W

MATCH LINE

FOR CONTINUATION, SEE L-1.6

MATCH LINE

FOR CONTINUATION, SEE L-1.8

GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft.

THIS PLANSET AND ANY ASSOCIATED DOCUMENTS ARE PRELIMINARY AND NOT AUTHORIZED FOR CONSTRUCTION UNTIL SIGNED, DATED, AND OFFICIALLY RELEASED FOR CONSTRUCTION BY THE ENGINEER OF RECORD.

STRONGROCK
ENGINEERING GROUP

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL LANDSCAPE PLAN V

DRAWING SHEET

L-1.5

151 OF 227

SEAL:

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

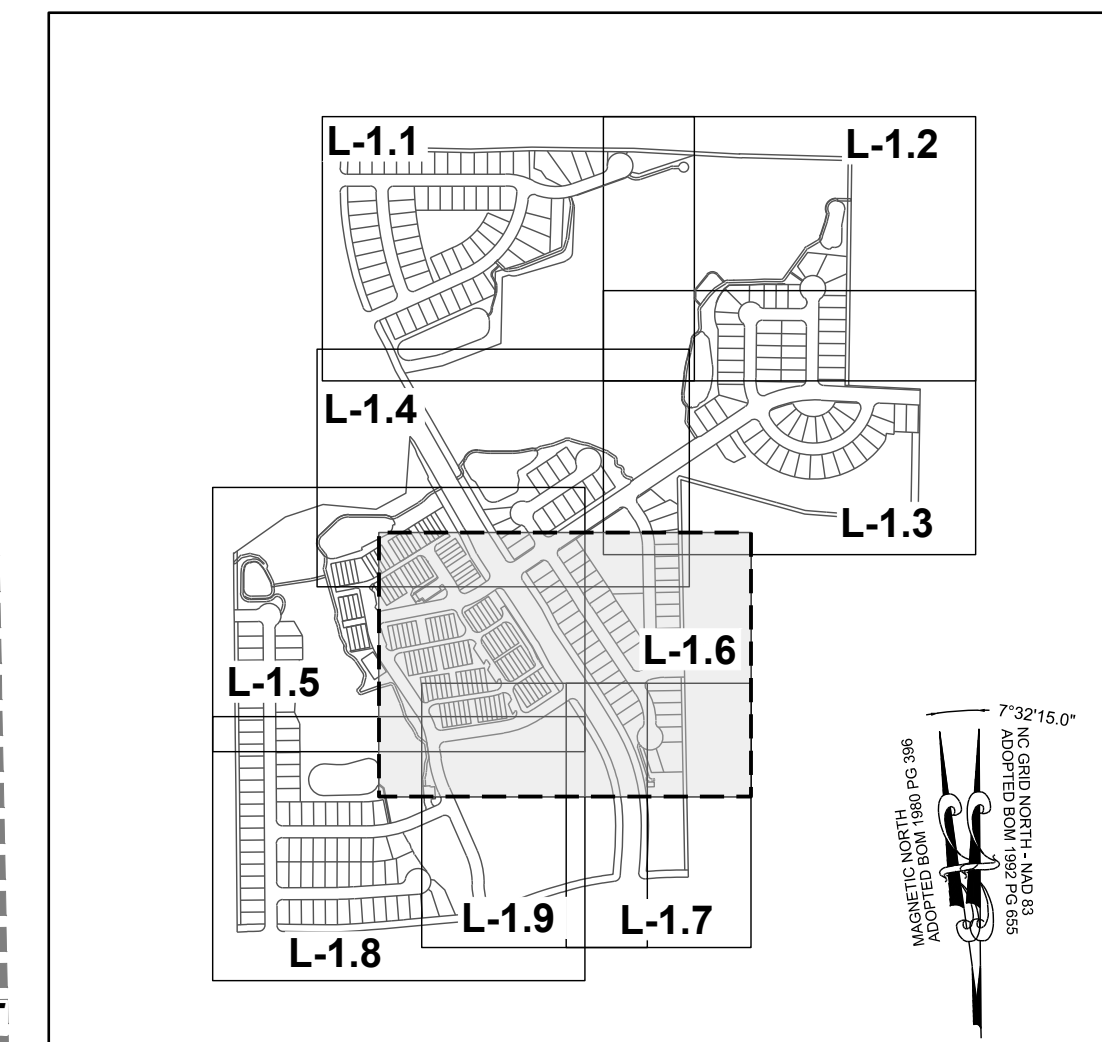
STRONG ROCK PROJECT
PSP-23-03
NOT FOR CONSTRUCTION
SCALE AS SHOWN
DESIGNED BY SRG
DRAWN BY SRG
CHECKED BY SRG

CONSTRUCTION INFRASTRUCTURE DRAWINGS	01	02	03	04	NO.	REVISIONS	DATE	BY
CID-24-04								
TOWN OF ROLESVILLE CID-24-04 V2								
TOWN OF ROLESVILLE CID-24-04 V3								
TOWN OF ROLESVILLE CID-24-04 V4								



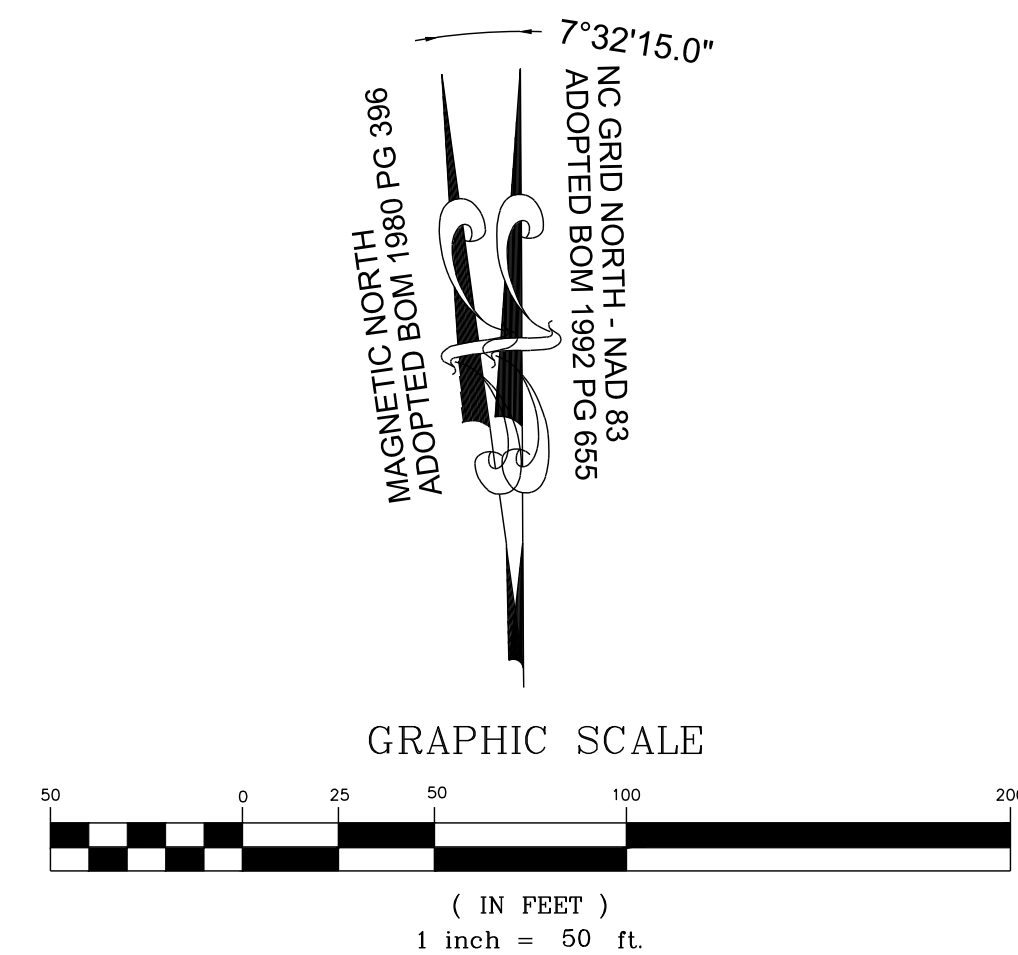
Diagram illustrating the components of a Type II Perimeter Buffer:

- PHASE LINE (TYP.)
- PROPERTY LINE (TYP.)
- GENERIC WOODEN PRIVATE FENCE 6' TALL
- 15.0'
- TYPE II PERIMETER BUFFER

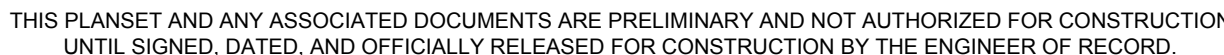


SITE KEY PLAN
LEGEND:
SEE SHEET L-1.0 FOR TREE TABLES.

TOWNHOME NOTES:
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS
PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT



THIS PLANSET AND ANY ASSOCIATED DOCUMENTS ARE PRELIMINARY AND NOT AUTHORIZED FOR CONSTRUCTION UNTIL SIGNED, DATED, AND OFFICIALLY RELEASED FOR CONSTRUCTION BY THE ENGINEER OF RECORD.



TOWNHOME NOTES:

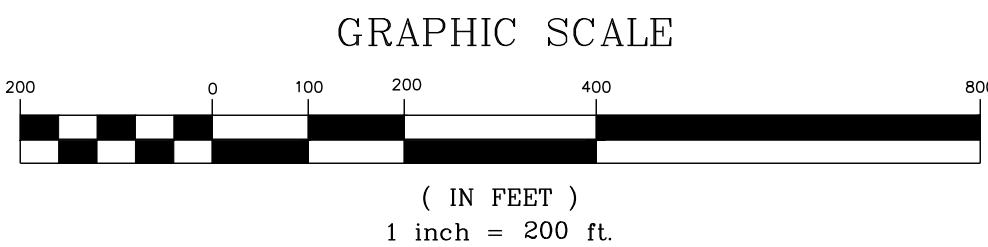
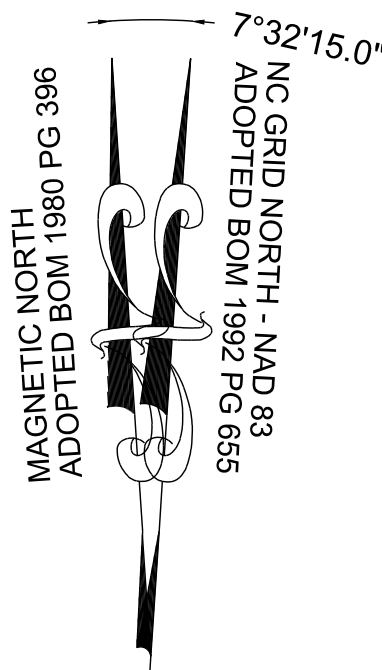
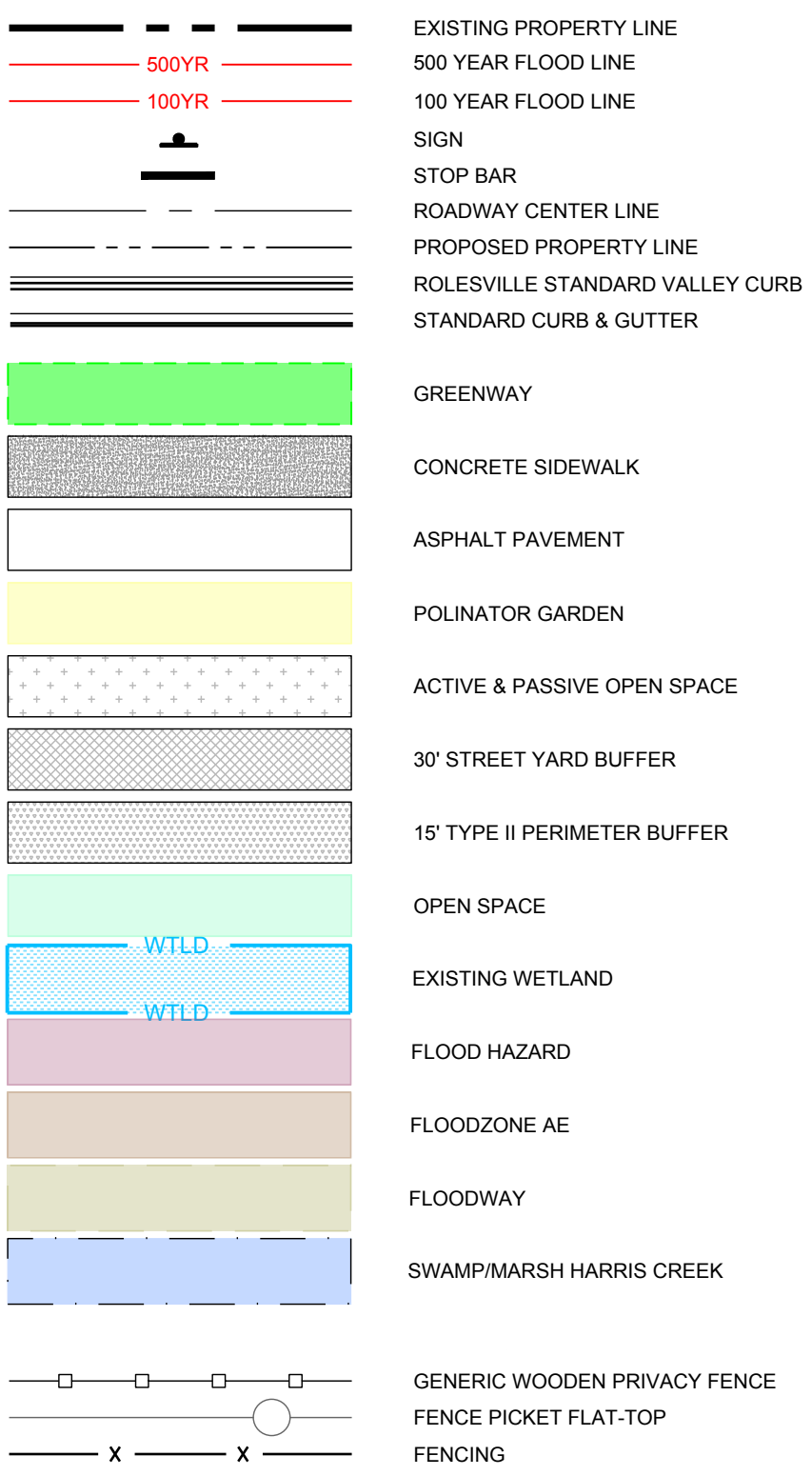
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT

NOTES:

SEE COVER SHEET FOR ALL SETBACK REQUIREMENTS
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS



LEGEND:



THIS PLANSET AND ANY ASSOCIATED DOCUMENTS ARE PRELIMINARY AND NOT AUTHORIZED FOR CONSTRUCTION UNTIL SIGNED, DATED, AND OFFICIALLY RELEASED FOR CONSTRUCTION BY THE ENGINEER OF RECORD.

CONSTRUCTION INFRASTRUCTURE DRAWINGS	DATE	BY
01	08/04/2024	
02	11/07/2024	
03	02/07/2024	
04	08/02/2025	

SEAL:

STRONGROCK

ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

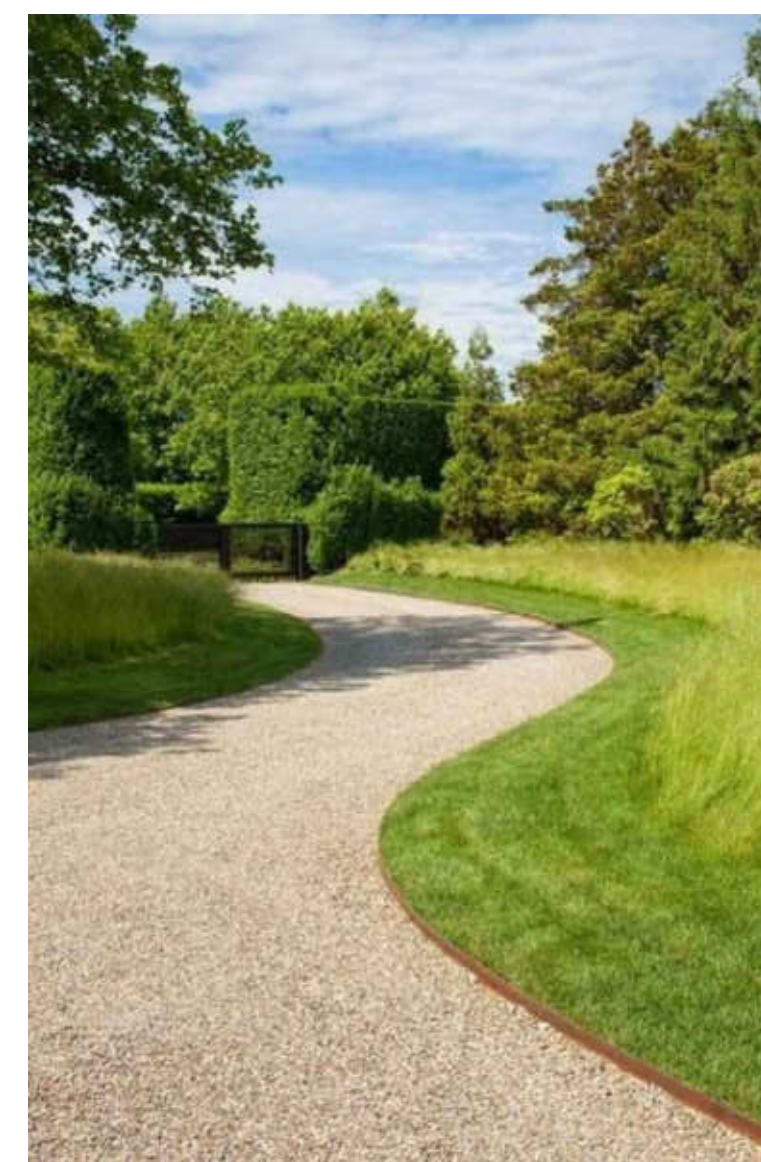
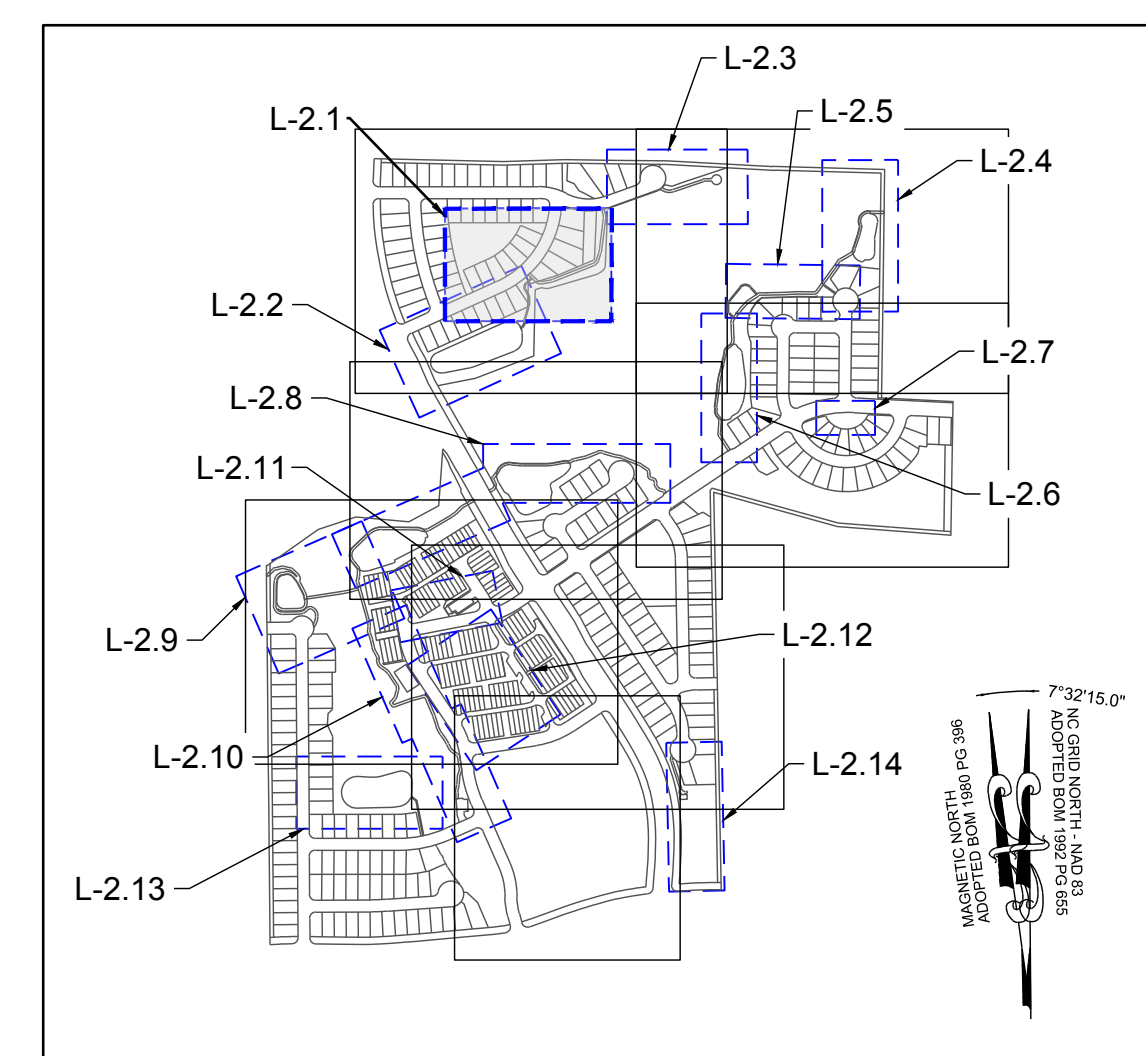
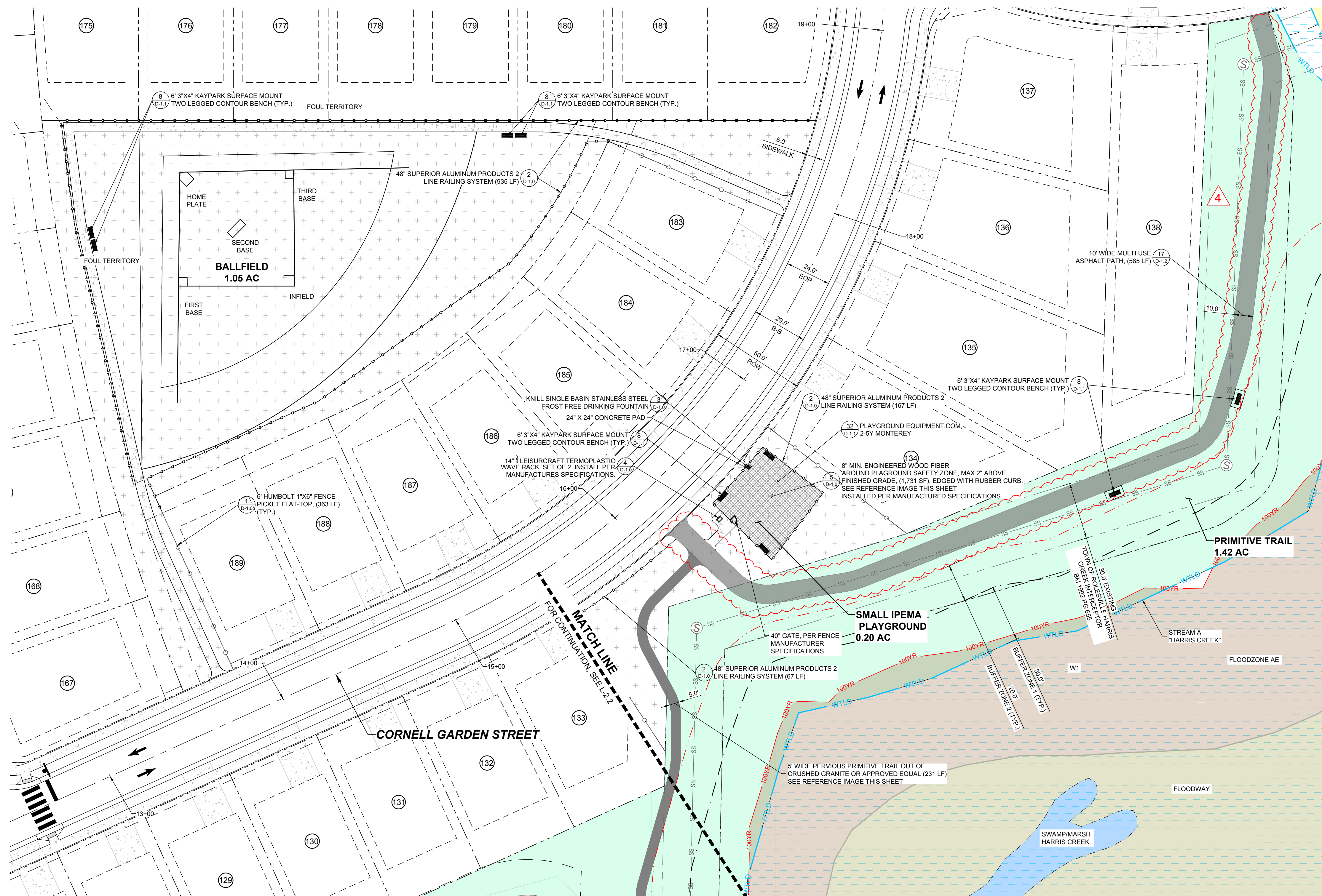
STRONG ROCK PROJECT	SRG
PSP-24-03	SRG
NOT FOR CONSTRUCTION	SRG
SCALE AS SHOWN	SRG
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
OVERALL AMENITIES PLAN

DRAWING SHEET

L-2.0

156 OF 227



SEAL:		CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04		06/04/2024	SREG
01		TOWN OF ROLESVILLE CID-24-04 V2		11/07/2024	SREG
02		TOWN OF ROLESVILLE CID-24-04 V3		12/01/2024	SREG
03		TOWN OF ROLESVILLE CID-24-04 V4		06/02/2025	SREG
04					
No.		REVISIONS		DATE	BY

STRONG ROCK PROJECT

PSP-23-03

NOT FOR
CONSTRUCTION

SCALE

DESIGNED BY

DRAWN BY

CHECKED BY



STRONG^{WR}ROCK

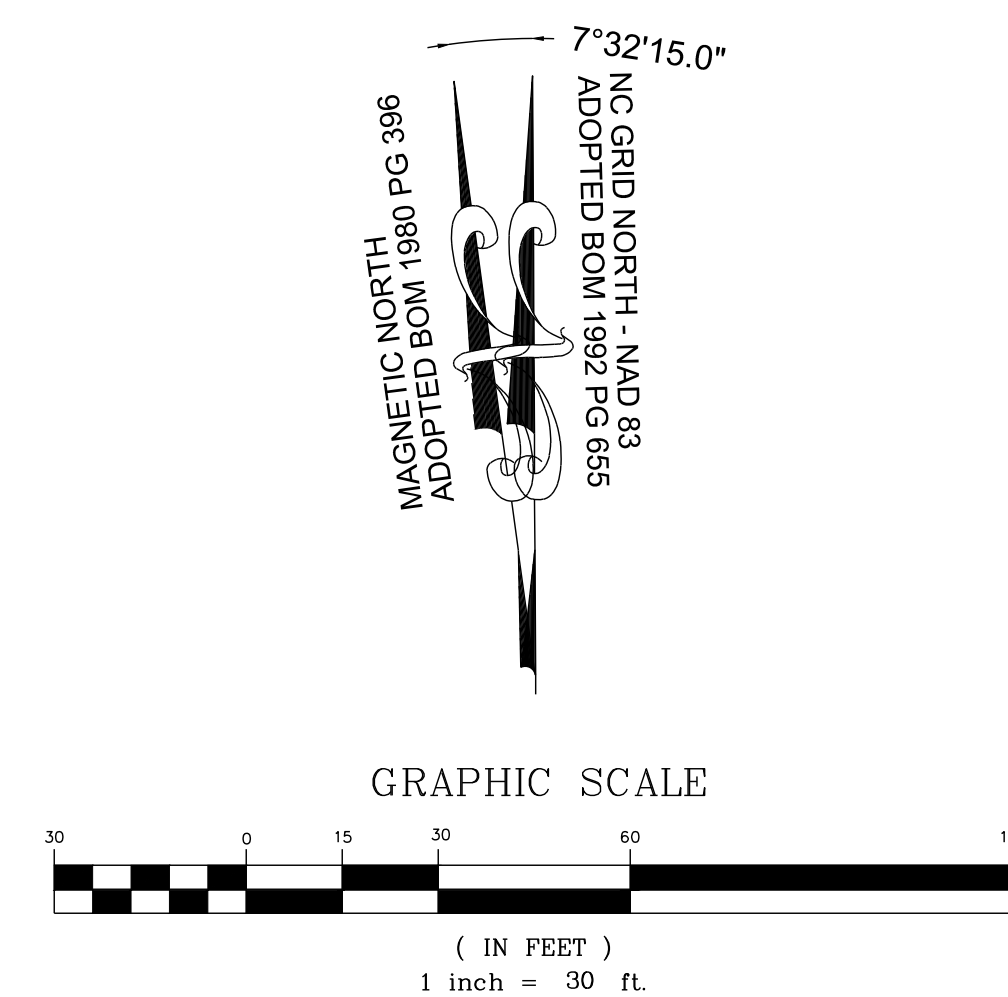
ENGINEERING GROUP

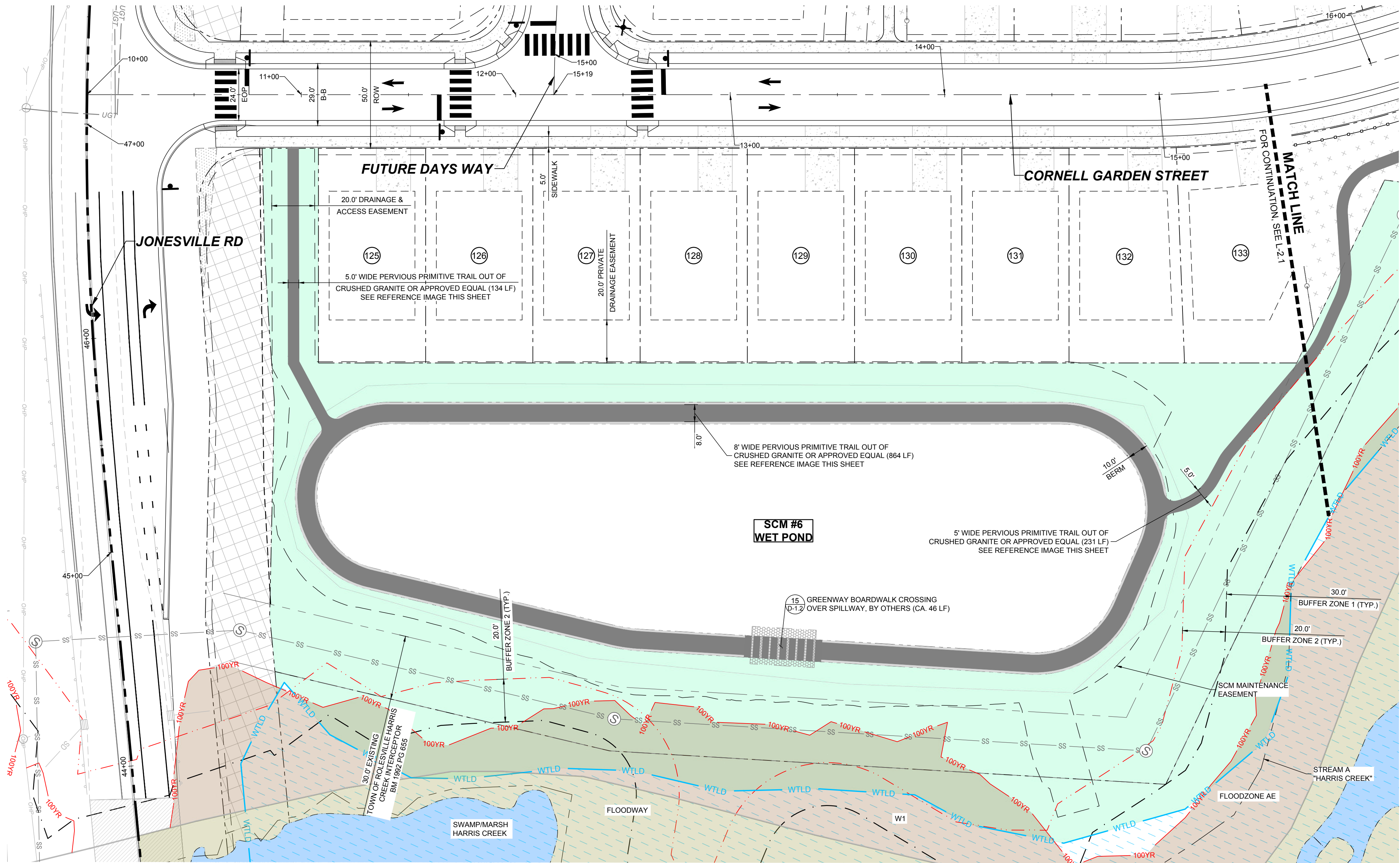
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2186
 305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27603 | INFO@STRONGROCKGROUP.COM

RESERVE @ MITCHELL MILL TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA CONSTRUCTION PLANS BALLFIELD & SMALL IPEMA PLAYGROUND PLAN	<u>DRAWING</u> <u>SHEET</u> L-2.1	157 OF 227
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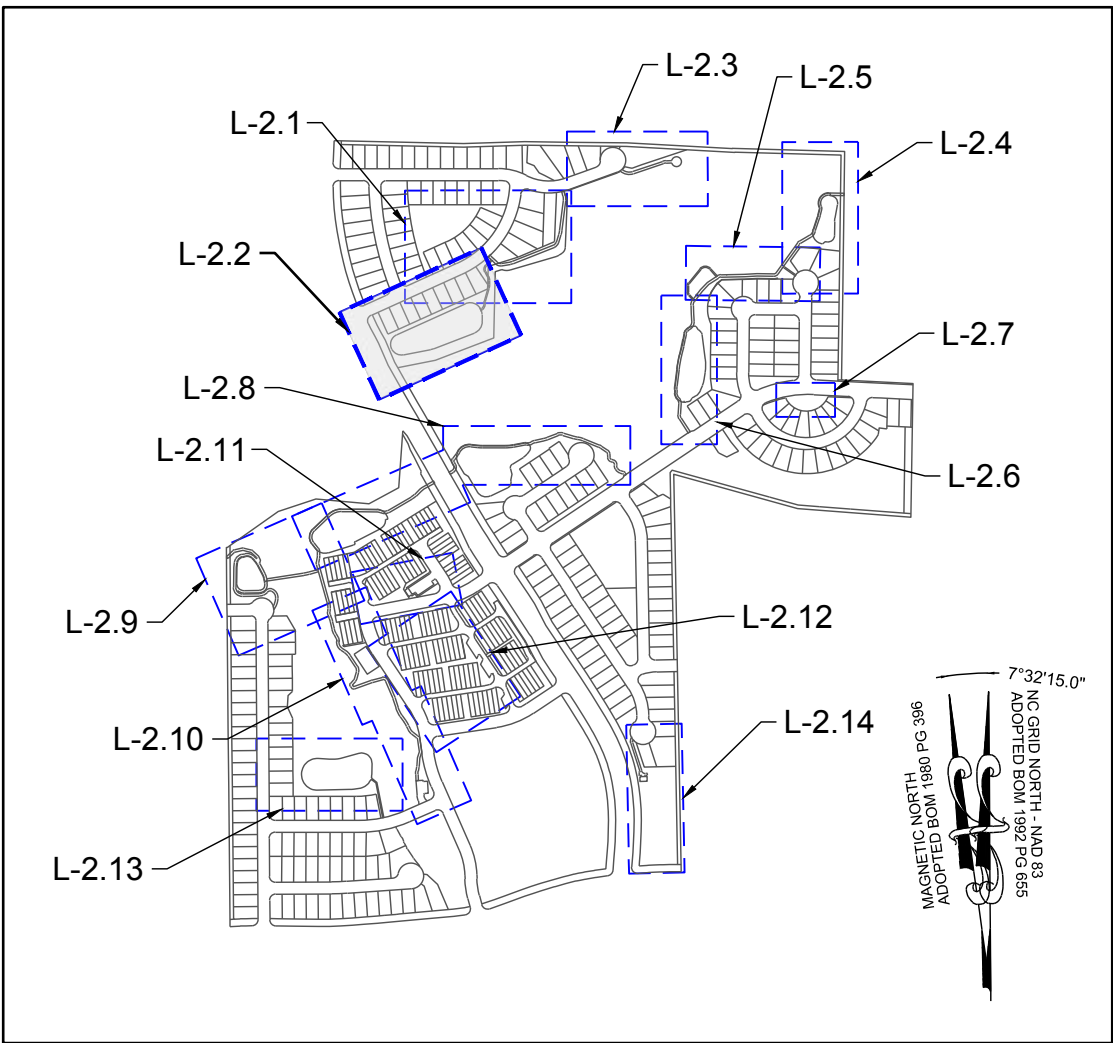
LEGEND:

- EXISTING PROPERTY LINE
- 500 YEAR FLOOD LINE
- 100 YEAR FLOOD LINE
- SIGN
- STOP BAR
- ROADWAY CENTER LINE
- PROPOSED PROPERTY LINE
- ROLESVILLE STANDARD VALLEY CURB
- STANDARD CURB & GUTTER
- GREENWAY
- CONCRETE SIDEWALK
- ASPHALT PAVEMENT
- POLLINATOR GARDEN
- ACTIVE & PASSIVE OPEN SPACE
- 30" STREET YARD BUFFER
- 15" TYPE II PERIMETER BUFFER
- OPEN SPACE
- EXISTING WETLAND
- FLOOD HAZARD
- FLOODZONE AE
- FLOODWAY
- SWAMP/MARSH HARRIS CREEK
- GENERIC WOODEN PRIVACY FENCE
- FENCE PICKET FLAT-TOP FENCING
- FENCING





PRIMITIVE TRAIL

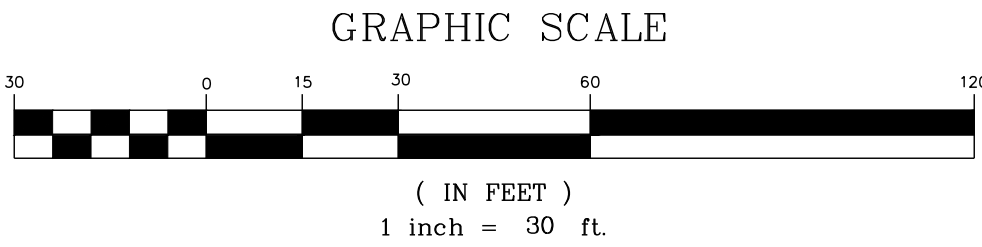
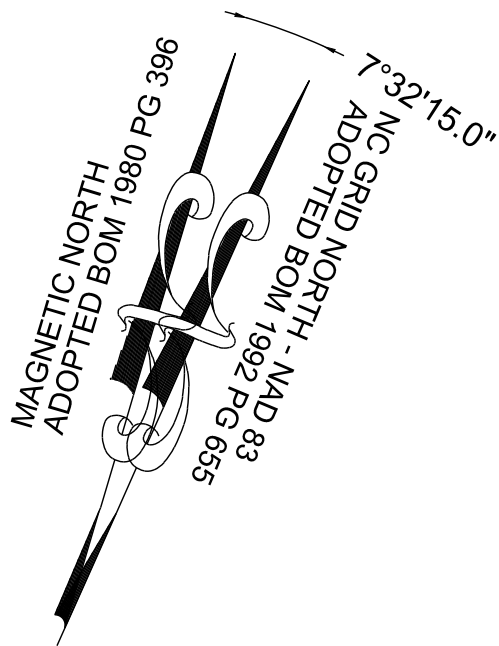


SITE KEY PLAN

LEGEND:			
	EXISTING PROPERTY LINE		30' STREET YARD BUFFER
	500 YEAR FLOOD LINE		15' TYPE II PERIMETER BUFFER
	100 YEAR FLOOD LINE		OPEN SPACE
	SIGN		EXISTING WETLAND
	STOP BAR		FLOOD HAZARD
	ROADWAY CENTER LINE		FLOODZONE AE
	PROPOSED PROPERTY LINE		FLOODWAY
	ROLESVILLE STANDARD VALLEY CURB		SWAMP/MARSH HARRIS CREEK
	STANDARD CURB & GUTTER		GENERIC WOODEN PRIVACY FENCE
	GREENWAY		FENCE PICKET FLAT-TOP
	CONCRETE SIDEWALK		FENCING
	ASPHALT PAVEMENT		
	POLLINATOR GARDEN		
	ACTIVE & PASSIVE OPEN SPACE		



CRUSHED GRAVEL PATH



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CONSTRUCTION INFRASTRUCTURE DRAWINGS				REVISIONS		DATE	BY
01	CID-24-04	08/04/2024	SREG	No.			
02	TOWN OF ROLESVILLE CID-24-04 V2	11/07/2024	SREG				
03	TOWN OF ROLESVILLE CID-24-04 V3	02/07/2024	SREG				
04	TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SREG				

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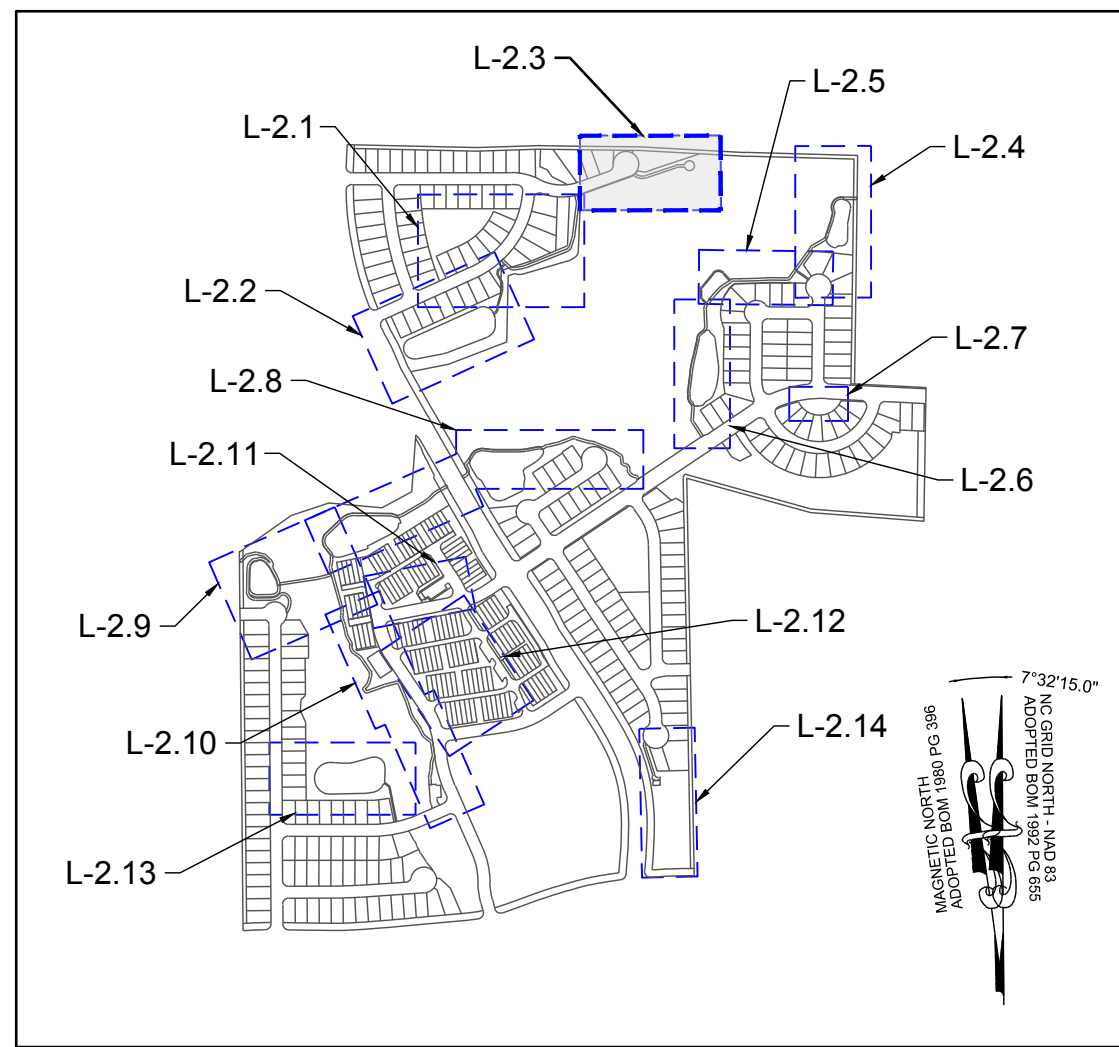
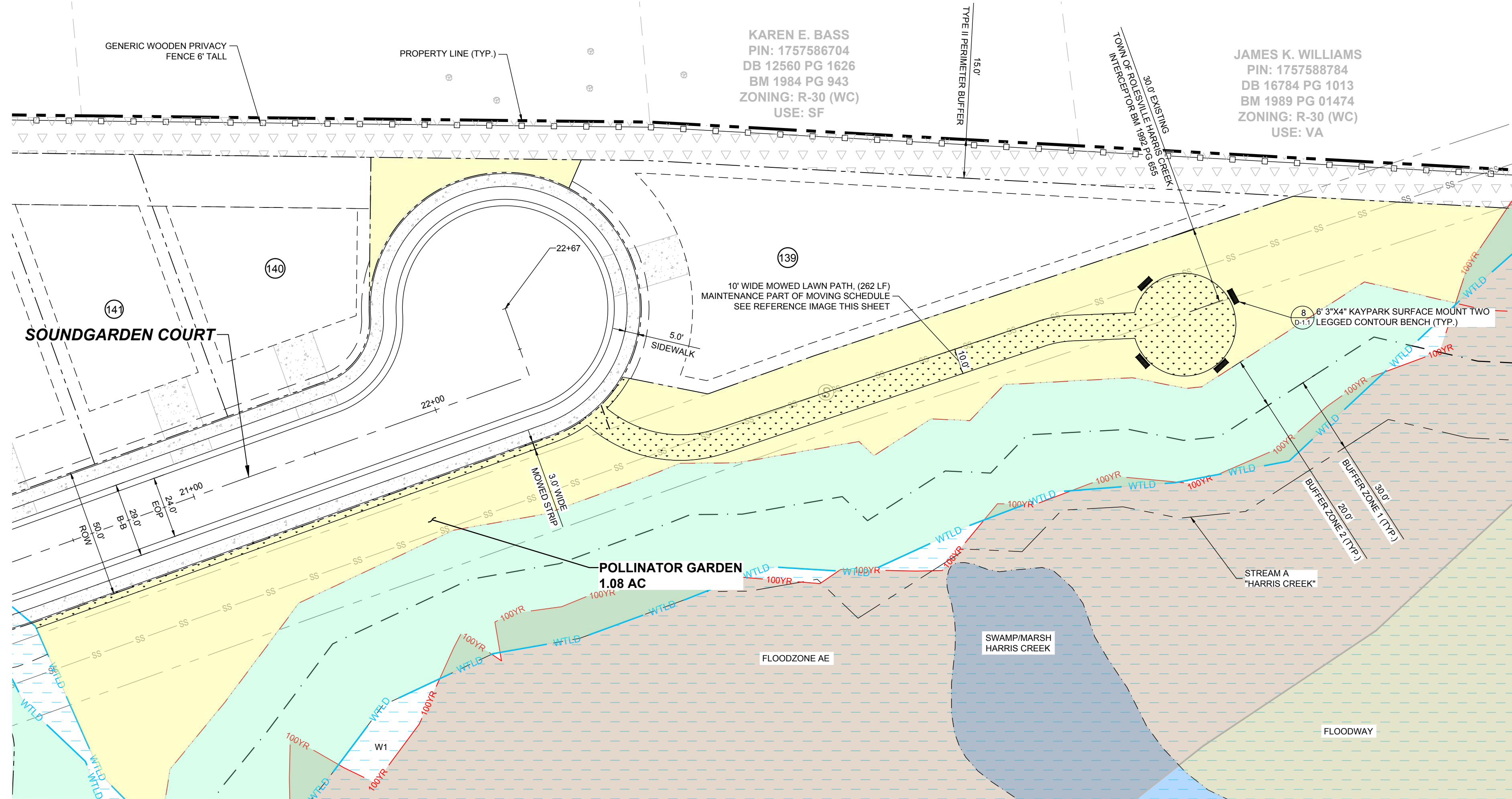
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	STRONG ROCK PROJECT	STRONG ROCK PROJECT	STRONG ROCK PROJECT
PSP-23-03	PSP-23-03	PSP-23-03	PSP-23-03
NOT FOR CONSTRUCTION	NOT FOR CONSTRUCTION	NOT FOR CONSTRUCTION	NOT FOR CONSTRUCTION
SCALE AS SHOWN	SCALE AS SHOWN	SCALE AS SHOWN	SCALE AS SHOWN
DESIGNED BY SRG	DESIGNED BY SRG	DESIGNED BY SRG	DESIGNED BY SRG
DRAWN BY SRG	DRAWN BY SRG	DRAWN BY SRG	DRAWN BY SRG
CHECKED BY SRG	CHECKED BY SRG	CHECKED BY SRG	CHECKED BY SRG

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PRIMITIVE TRAIL

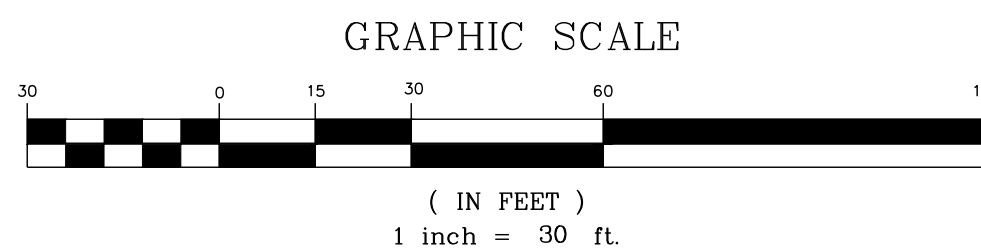
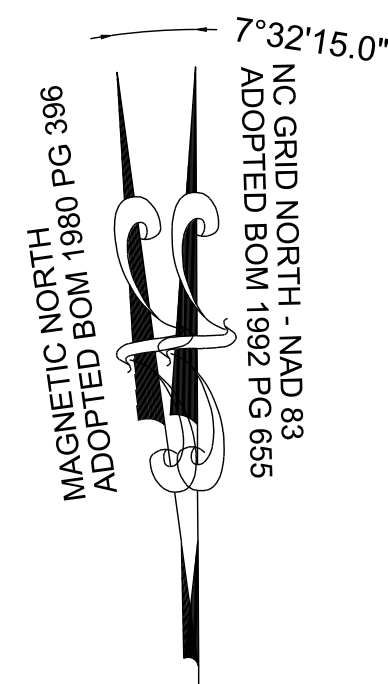
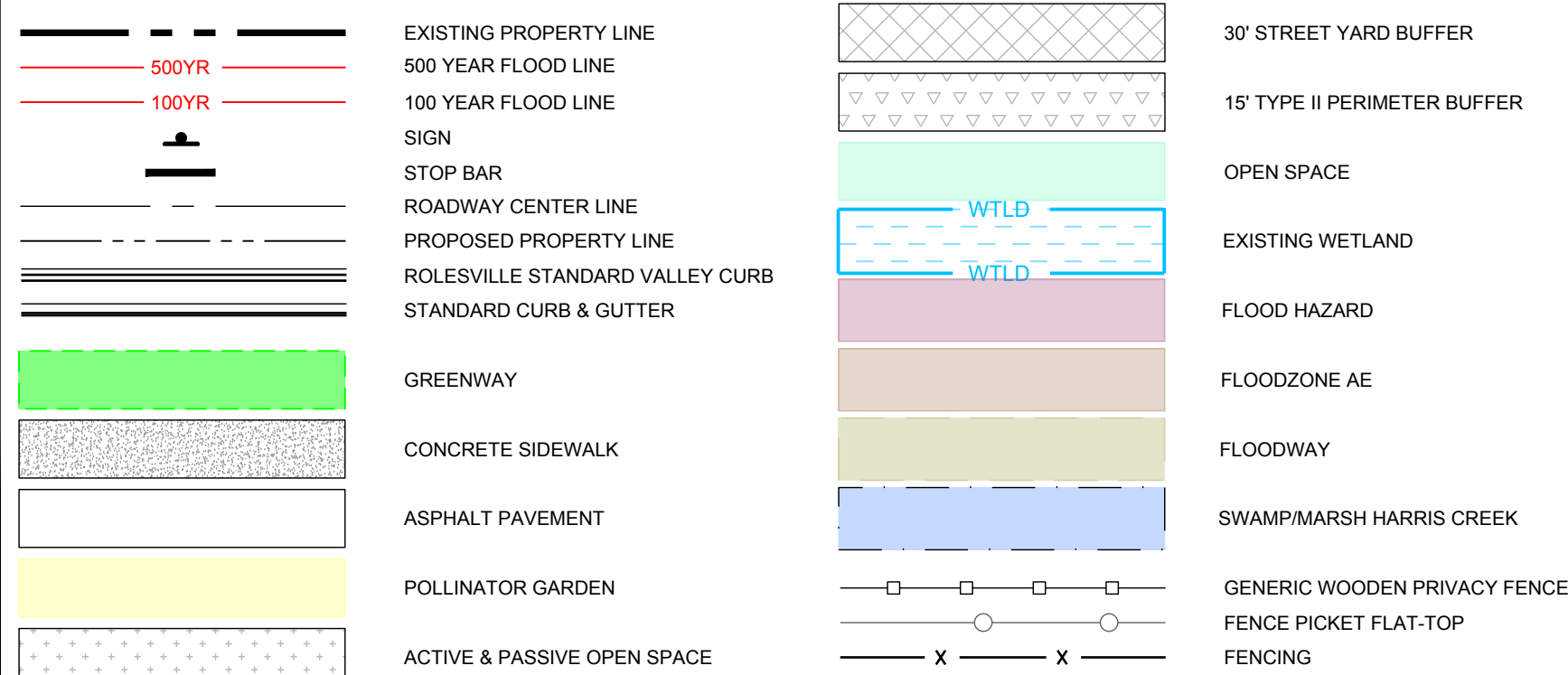
DRAWING SHEET

L-2.2



SITE KEY PLAN

LEGEND:



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01	CONSTRUCTION INFRASTRUCTURE DRAWINGS		06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2		11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3		02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4		06/02/2025	SREG
No.	REVISIONS		DATE	BY

SEAL:

STRONGROCK

STRONG ROCK PROJECT PSP-23-03	NOT FOR CONSTRUCTION	SCALE	AS SHOWN	DESIGNED BY	SRG	DRAWN BY	SRG	CHECKED BY	SRG
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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

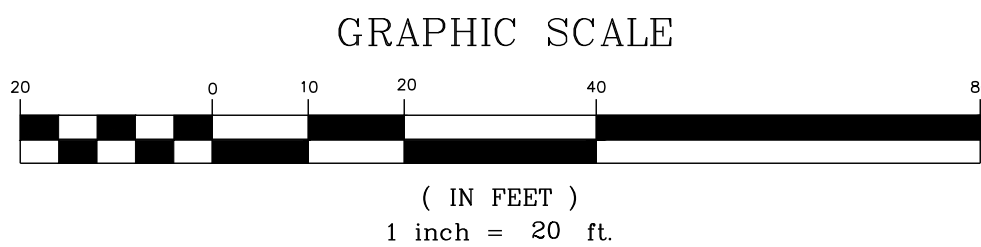
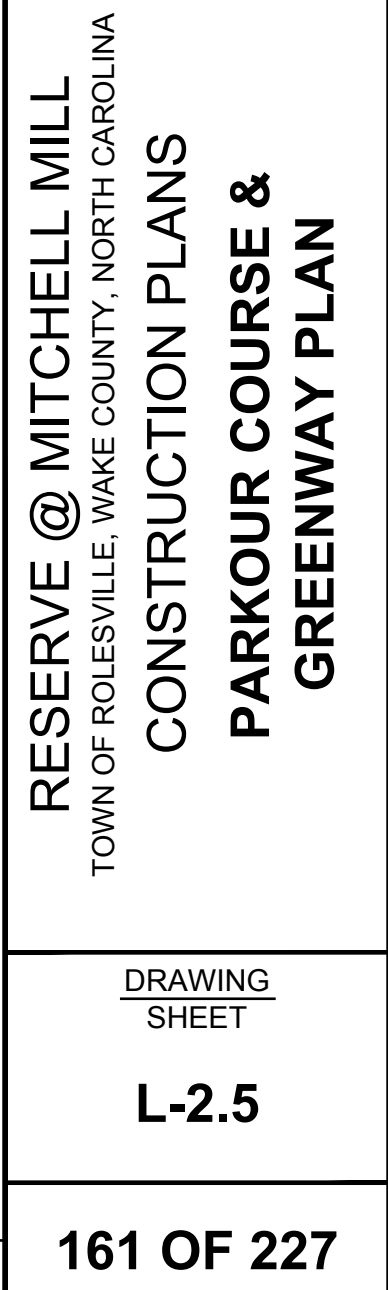
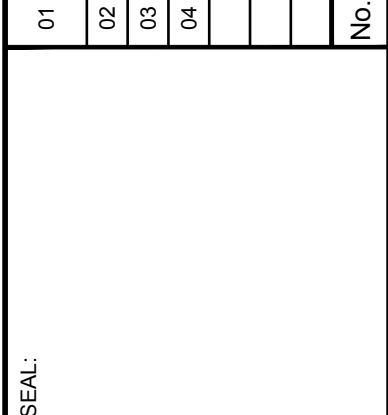
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SHEET

L-2.3

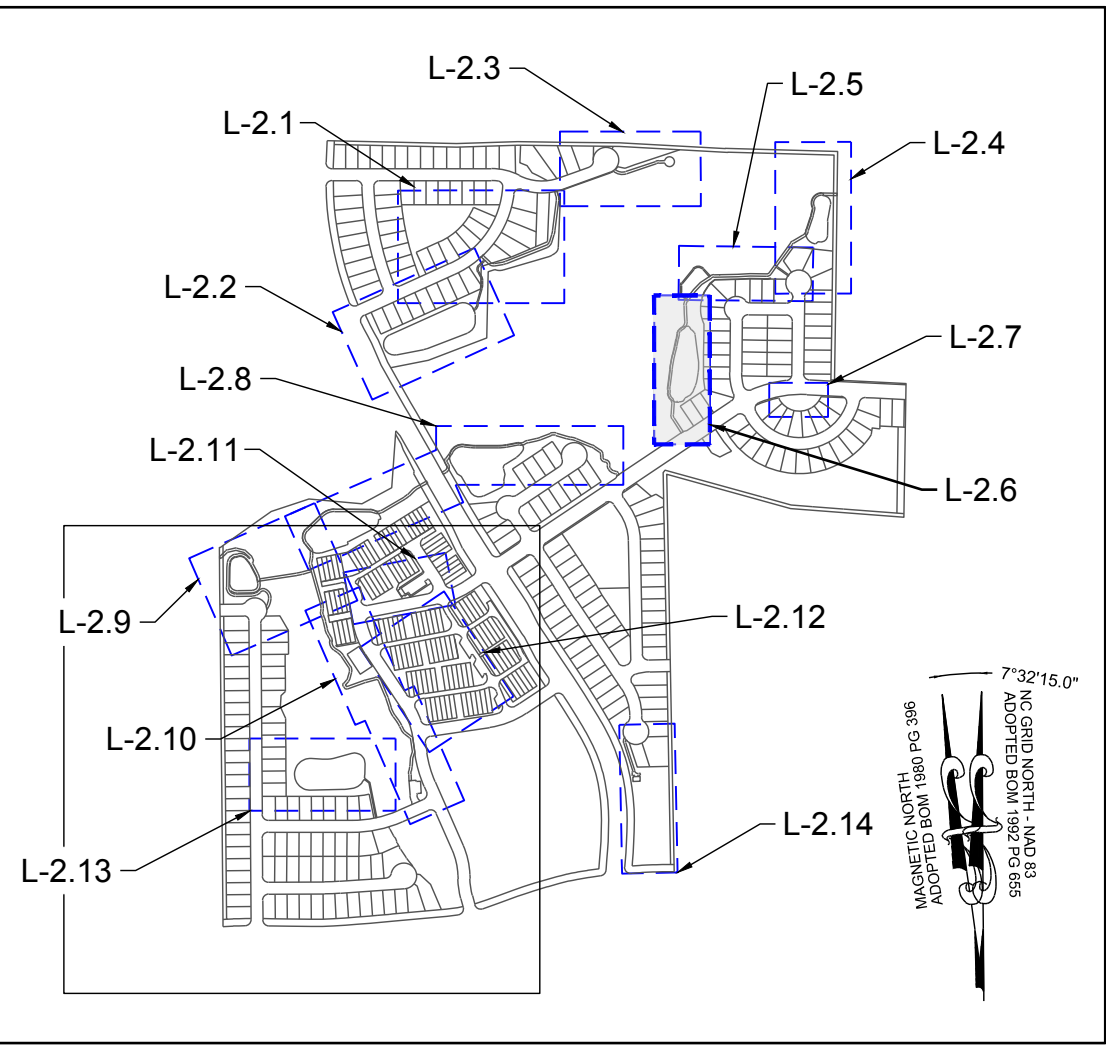
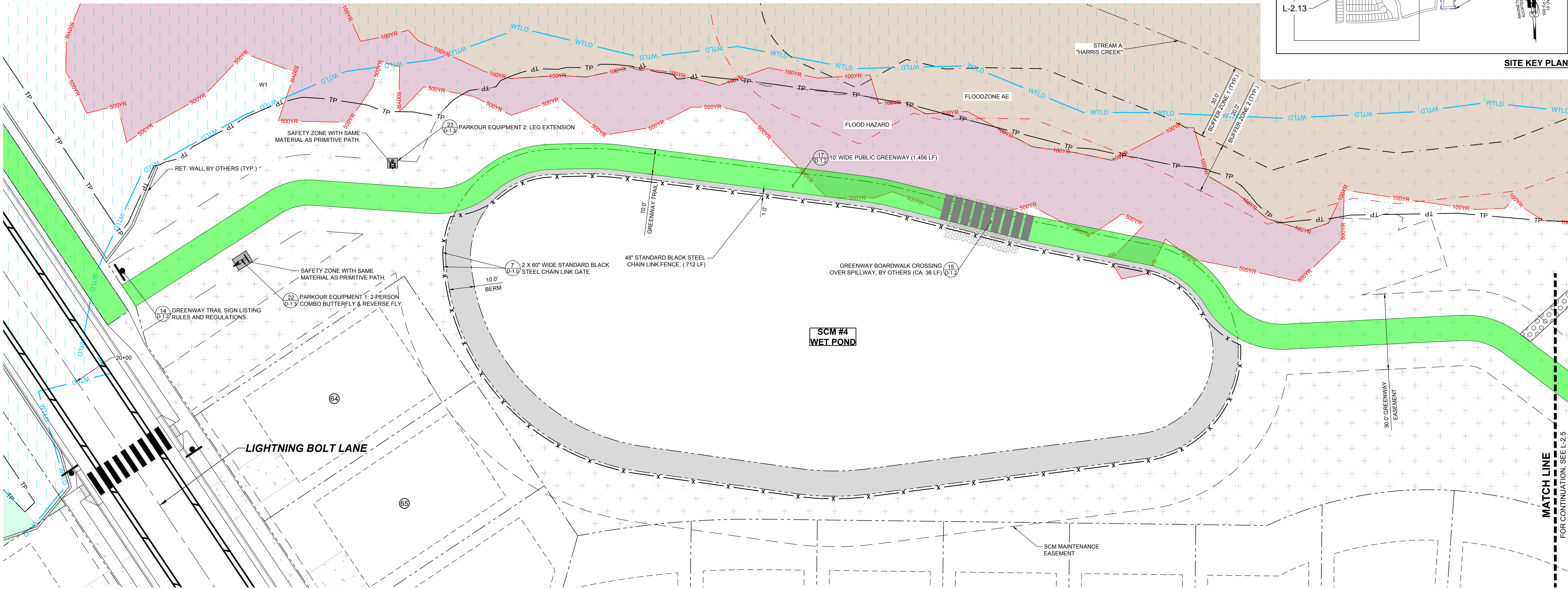


(IN FEET)
1 inch = 20 ft.

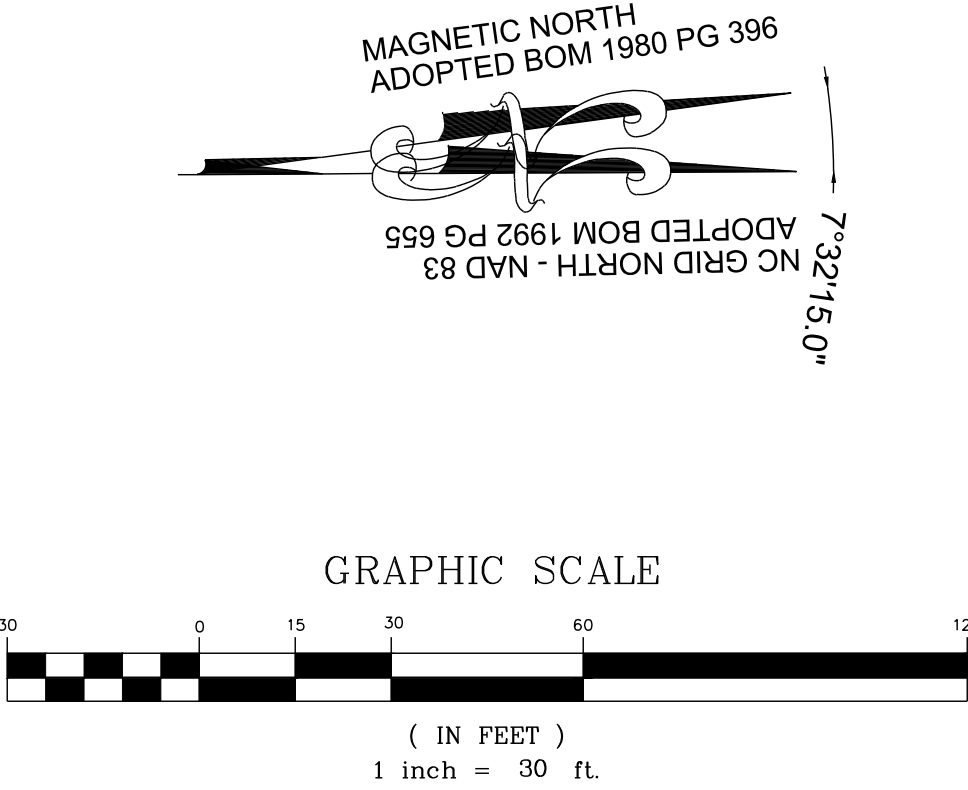
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LEGEND:			
	EXISTING PROPERTY LINE		30' STREET YARD BUFFER
	500 YEAR FLOOD LINE		15' TYPE II PERIMETER BUFFER
	100 YEAR FLOOD LINE		OPEN SPACE
	SIGN		EXISTING WETLAND
	STOP BAR		FLOOD HAZARD
	ROADWAY CENTER LINE		FLOODZONE AE
	PROPOSED PROPERTY LINE		FLOODWAY
	ROLESVILLE STANDARD VALLEY CURB		SWAMP/MARSH HARRIS CREEK
	STANDARD CURB & GUTTER		GENERIC WOODEN PRIVACY FENCE
	GREENWAY		FENCE PICKET FLAT-TOP
	CONCRETE SIDEWALK		FENCING
	ASPHALT PAVEMENT		
	POLLINATOR GARDEN		
	ACTIVE & PASSIVE OPEN SPACE		



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CONSTRUCTION INFRASTRUCTURE DRAWINGS				SEAL:		BY	
CID-24-04	08/04/2024	SR	01				
TOWN OF ROLESVILLE CID-24-04 V2	11/07/2024	SR	02				
TOWN OF ROLESVILLE CID-24-04 V3	02/07/2024	SR	03				
TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SR	04				
				REVISIONS		DATE	
				No.			

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STRONG ROCK PROJECT
PSP-23-03

NOT FOR
CONSTRUCTION

SCALE
AS SHOWN

DESIGNED BY
SRG

DRAWN BY
SRG

CHECKED BY
SRG

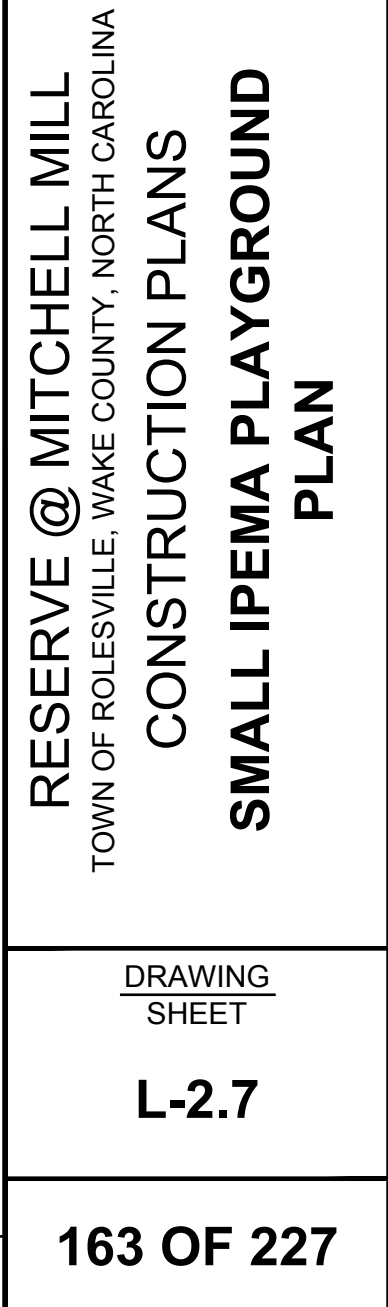
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

CONSTRUCTION PLANS
GREENWAY PLAN

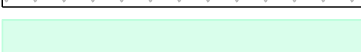
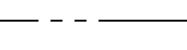
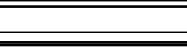
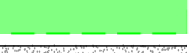
DRAWING
SHEET

L-2.6

162 OF 227

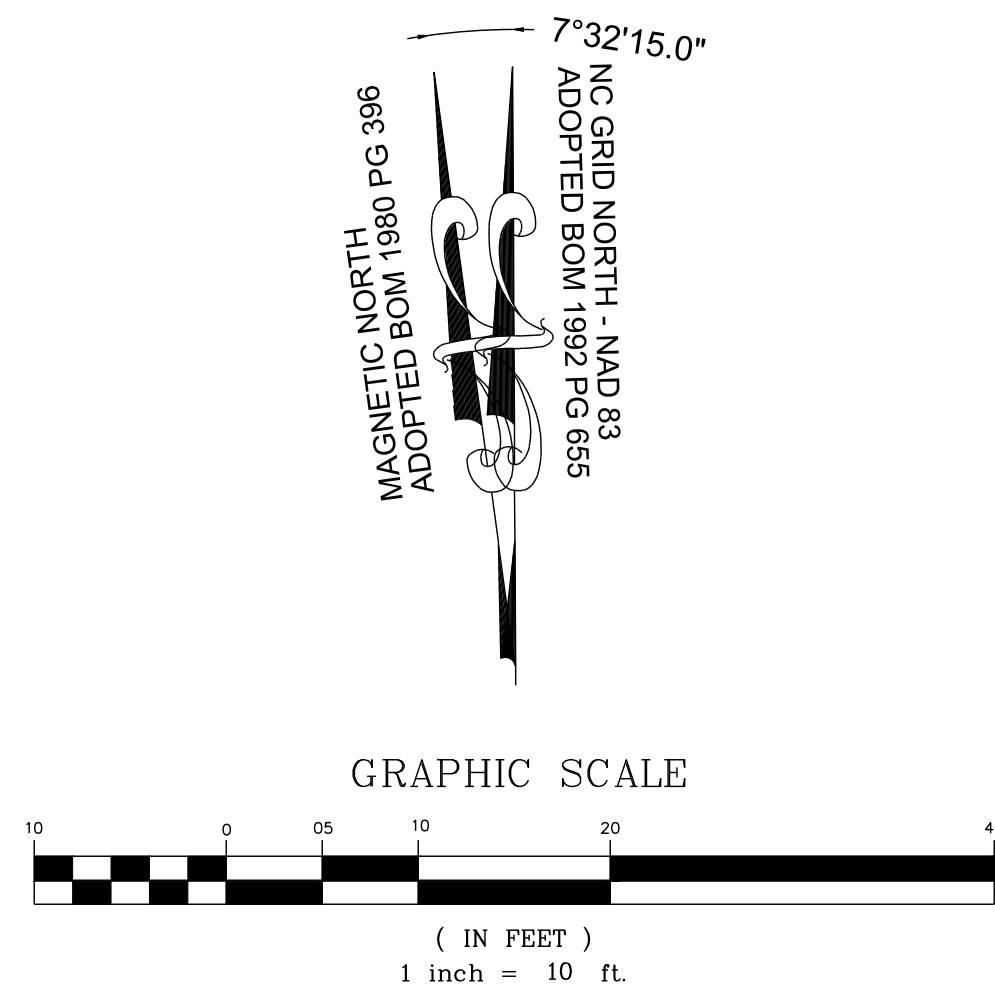


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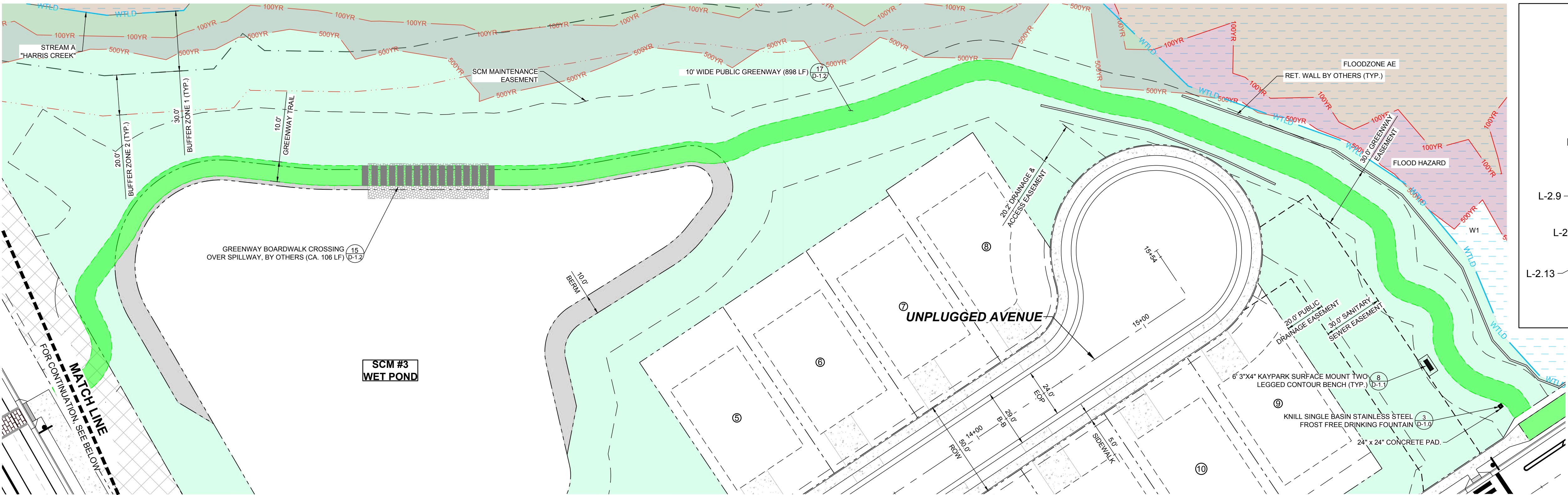
	EXISTING PROPERTY LINE		30' STREET YARD BUFFER
	500 YEAR FLOOD LINE		15' TYPE II PERIMETER BUFFER
	100 YEAR FLOOD LINE		OPEN SPACE
	SIGN		EXISTING WETLAND
	STOP BAR		FLOOD HAZARD
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	STANDARD CURB & GUTTER		GENERIC WOODEN PRIVACY FENCE
	GREENWAY		FENCE PICKET FLAT-TOP
	CONCRETE SIDEWALK		FENCING
	ASPHALT PAVEMENT		
	POLLINATOR GARDEN		
	ACTIVE & PASSIVE OPEN SPACE		



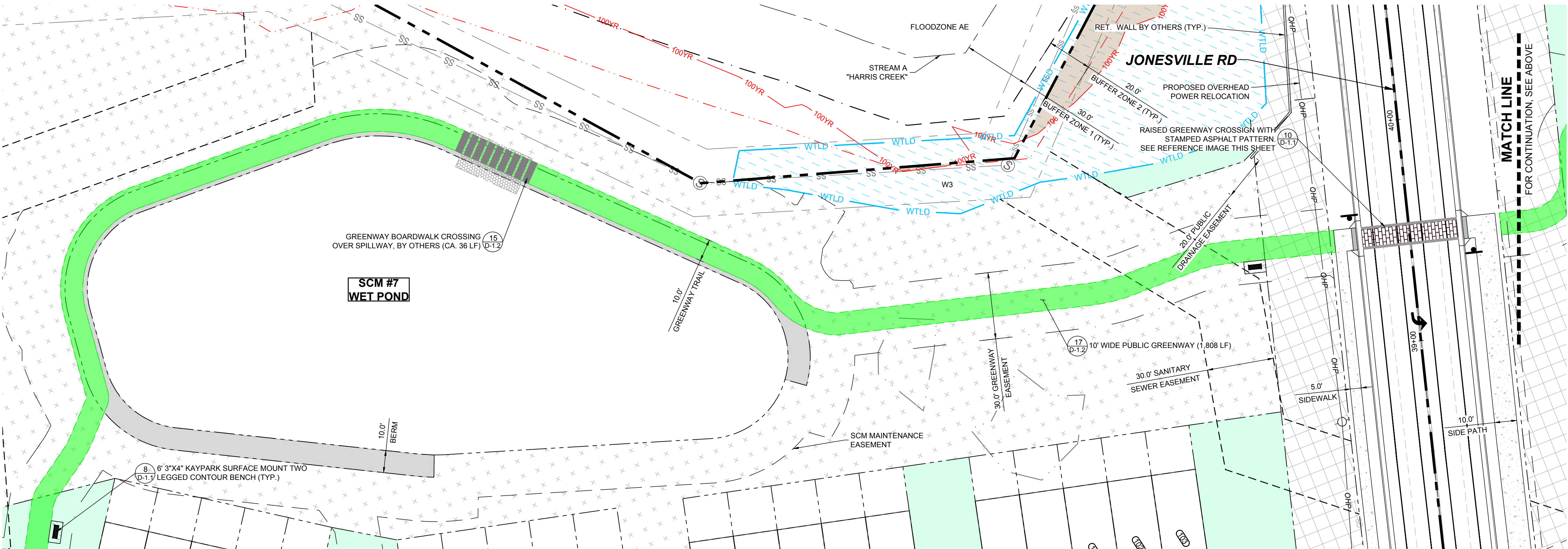
PLAYGROUND FENCE



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GREENWAY PLAN

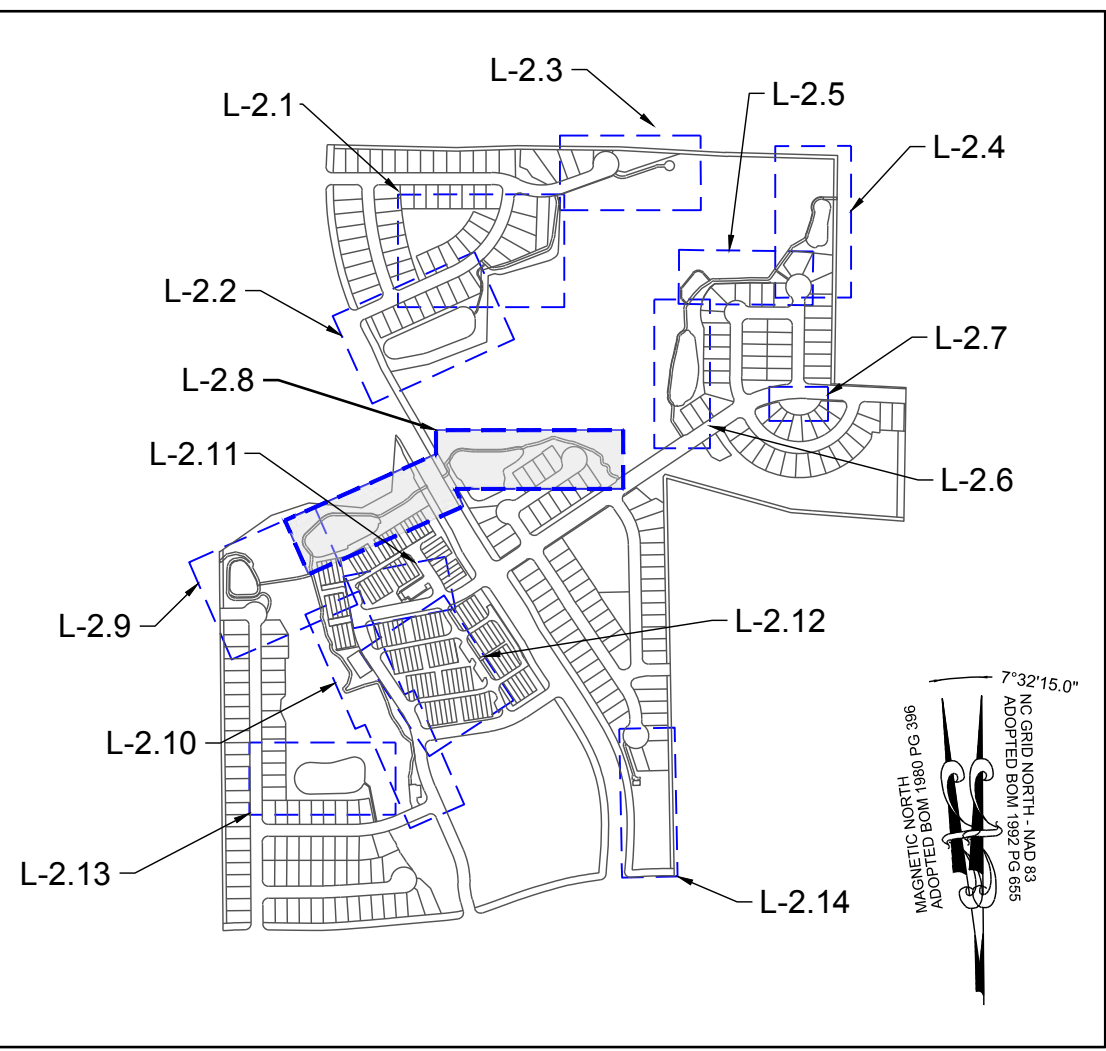


GREENWAY PLAN

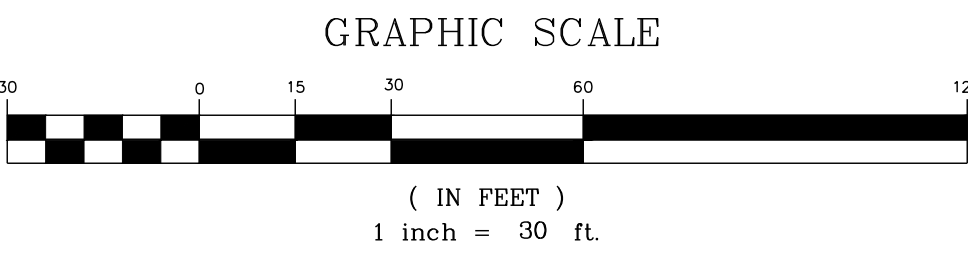
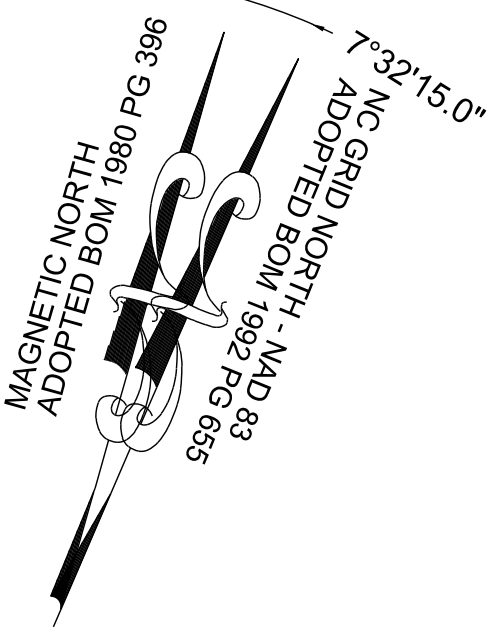
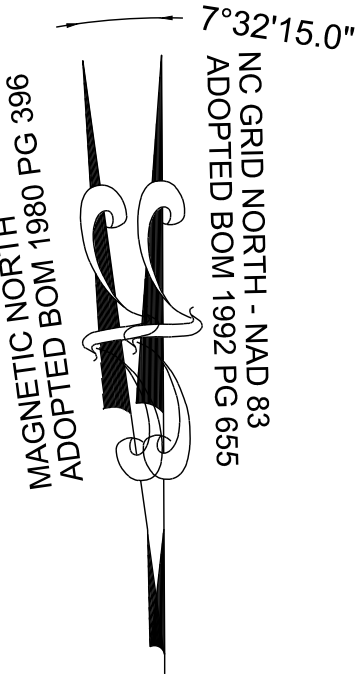
LEGEND:			
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	500YR		15' TYPE II PERIMETER BUFFER
	100YR		OPEN SPACE
	SIGN		EXISTING WETLAND
	STOP BAR		FLOOD HAZARD
	ROADWAY CENTER LINE		FLOODZONE AE
	PROPOSED PROPERTY LINE		FLOODWAY
	ROLESVILLE STANDARD VALLEY CURB		SWAMP/MARSH HARRIS CREEK
	STANDARD CURB & GUTTER		SWAMP/MARSH HARRIS CREEK
	GREENWAY		SWAMP/MARSH HARRIS CREEK
	CONCRETE SIDEWALK		SWAMP/MARSH HARRIS CREEK
	ASPHALT PAVEMENT		SWAMP/MARSH HARRIS CREEK
	POLLINATOR GARDEN		SWAMP/MARSH HARRIS CREEK
	ACTIVE & PASSIVE OPEN SPACE		SWAMP/MARSH HARRIS CREEK



RAISED GREENWAY CROSSING



SITE KEY PLAN



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CONSTRUCTION INFRASTRUCTURE DRAWINGS				REVISIONS		DATE	BY
NO.	DESCRIPTION	DATE	BY	NO.	DESCRIPTION	DATE	BY
01	TOWN OF ROLESVILLE CID-24-04 V1	08/04/2024	SREG				
02	TOWN OF ROLESVILLE CID-24-04 V2	11/07/2024	SREG				
03	TOWN OF ROLESVILLE CID-24-04 V3	02/07/2024	SREG				
04	TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SREG				

STRONGROCK

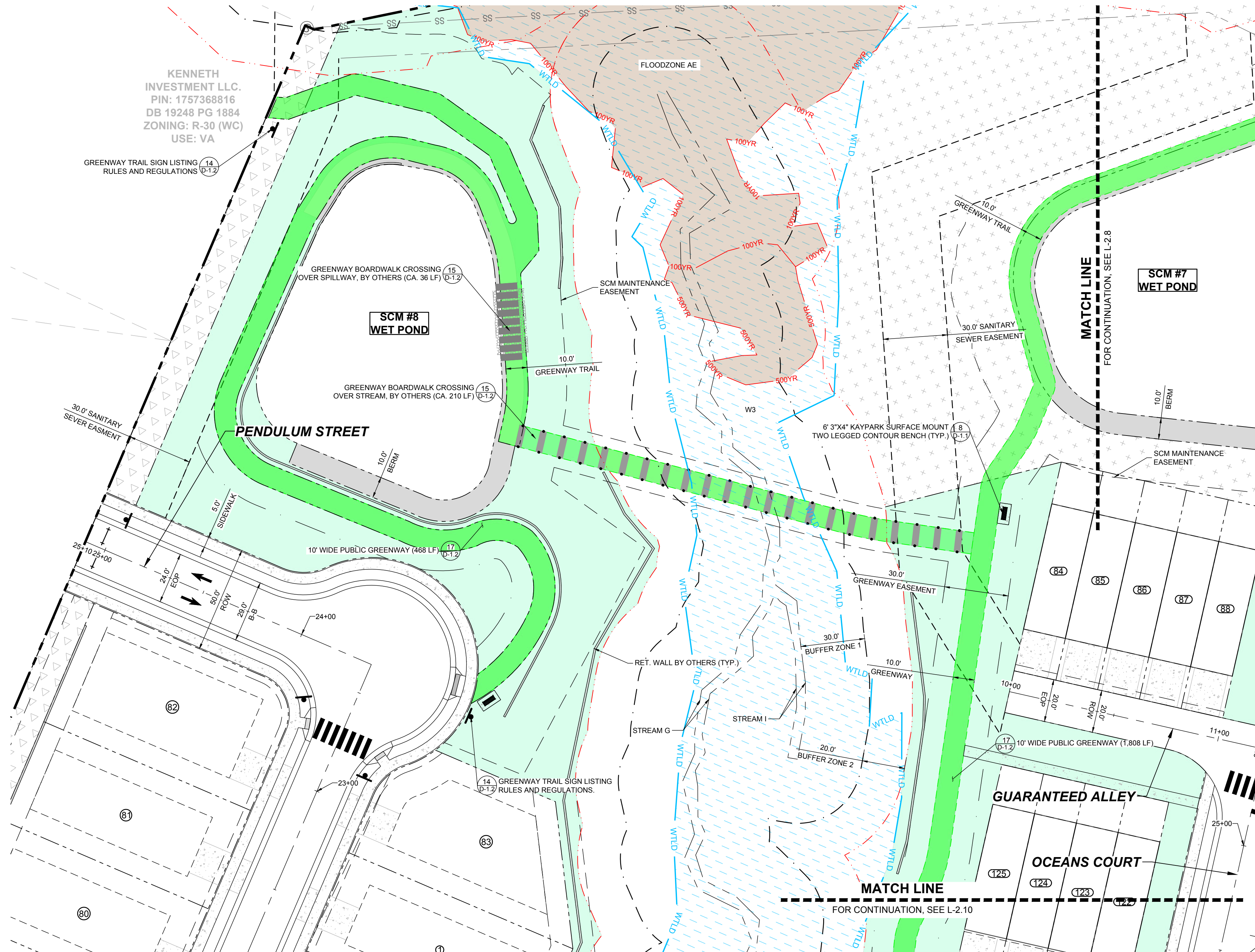
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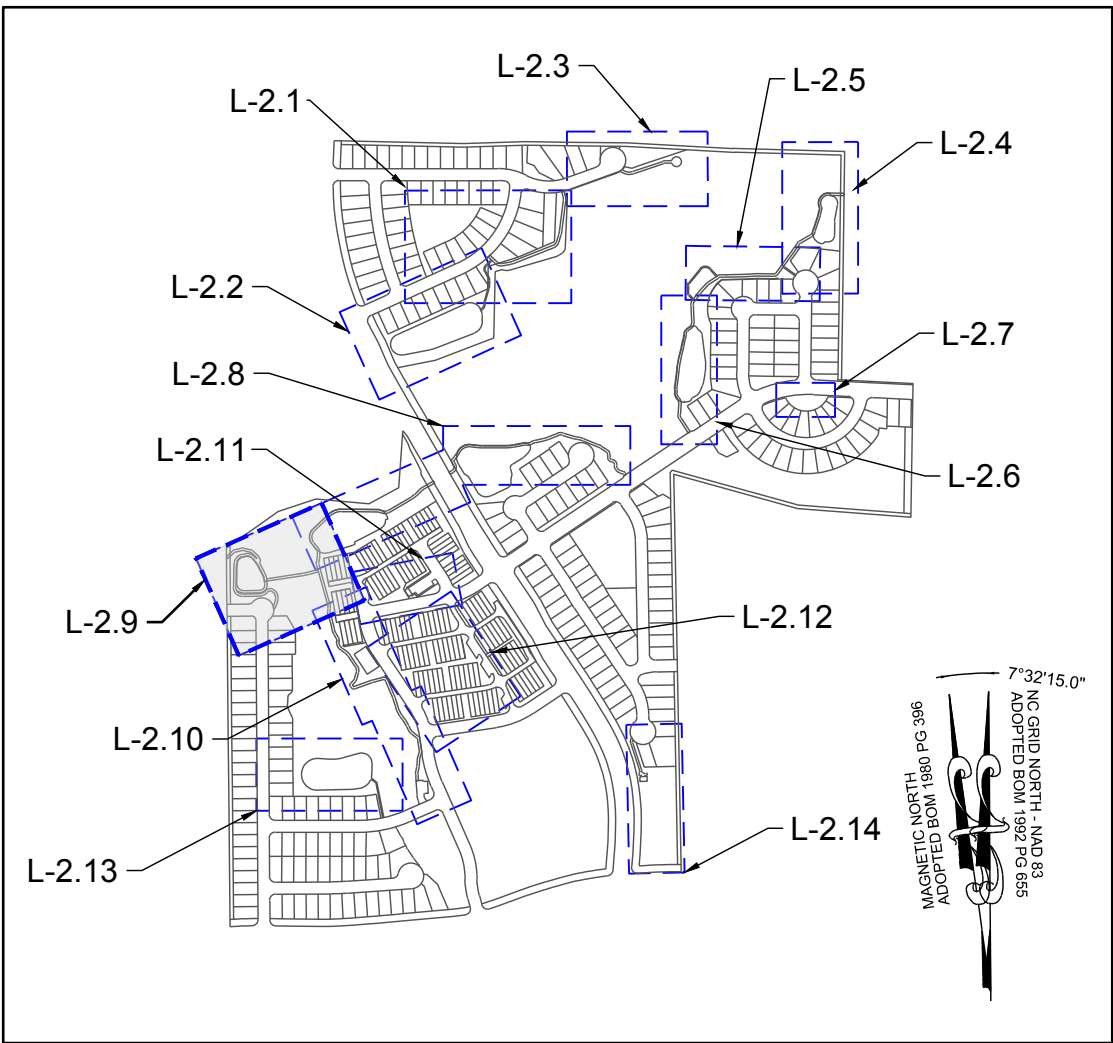
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY SRG	DRAWN BY SRG	CHECKED BY SRG
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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
GREENWAY PLAN

DRAWING SHEET
L-2.8



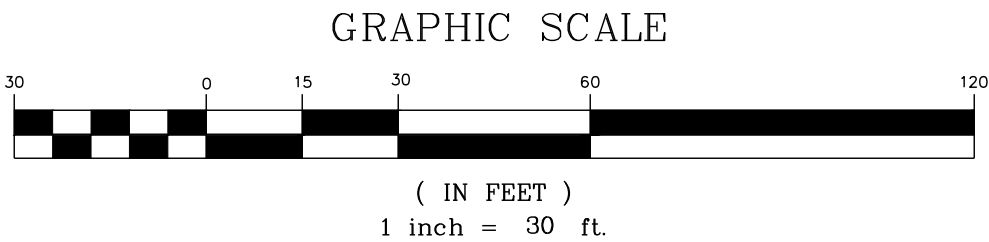
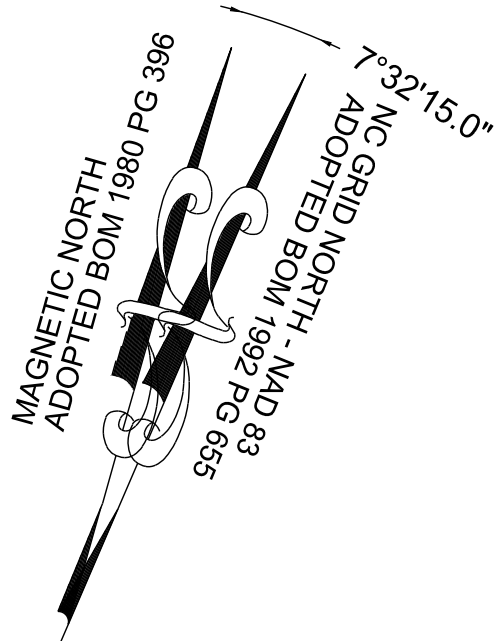
GREENWAY PLAN



SITE KEY PLAN

LEGEND:

	EXISTING PROPERTY LINE		30' STREET YARD BUFFER
	500 YEAR FLOOD LINE		15' TYPE II PERIMETER BUFFER
	100 YEAR FLOOD LINE		OPEN SPACE
	SIGN		EXISTING WETLAND
	STOP BAR		FLOOD HAZARD
	ROADWAY CENTER LINE		FLOODZONE AE
	PROPOSED PROPERTY LINE		FLOODWAY
	ROLESVILLE STANDARD VALLEY CURB		SWAMP/MARSH HARRIS CREEK
	STANDARD CURB & GUTTER		GENERIC WOODEN PRIVACY FENCE
	GREENWAY		FENCE PICKET FLAT-TOP
	CONCRETE SIDEWALK		FENCING
	ASPHALT PAVEMENT		
	POLLINATOR GARDEN		
	ACTIVE & PASSIVE OPEN SPACE		



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CONSTRUCTION INFRASTRUCTURE DRAWINGS				REVISIONS		DATE	BY
01	CID-24-04	08/04/2024	SREG	No.			
02	TOWN OF ROLESVILLE CID-24-04 V2	11/07/2024	SREG				
03	TOWN OF ROLESVILLE CID-24-04 V3	02/07/2024	SREG				
04	TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SREG				

STRONGROCK

ENGINEERING GROUP

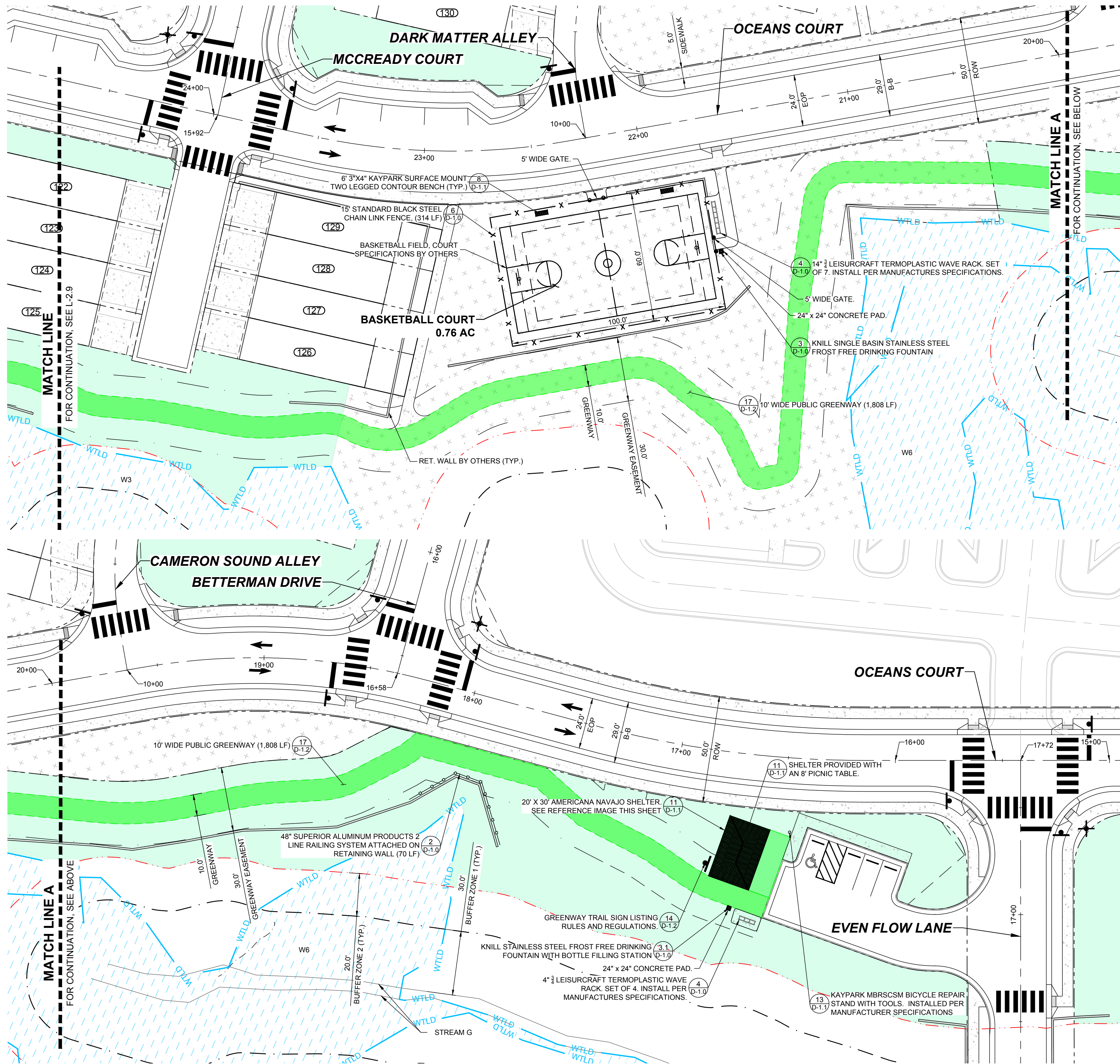
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STRONG ROCK PROJECT	STRONG ROCK PROJECT	STRONG ROCK PROJECT	STRONG ROCK PROJECT	STRONG ROCK PROJECT	STRONG ROCK PROJECT
PSP-23-03	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY SRG	DRAWN BY SRG	CHECKED BY SRG

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
GREENWAY PLAN

DRAWING SHEET

L-2.9

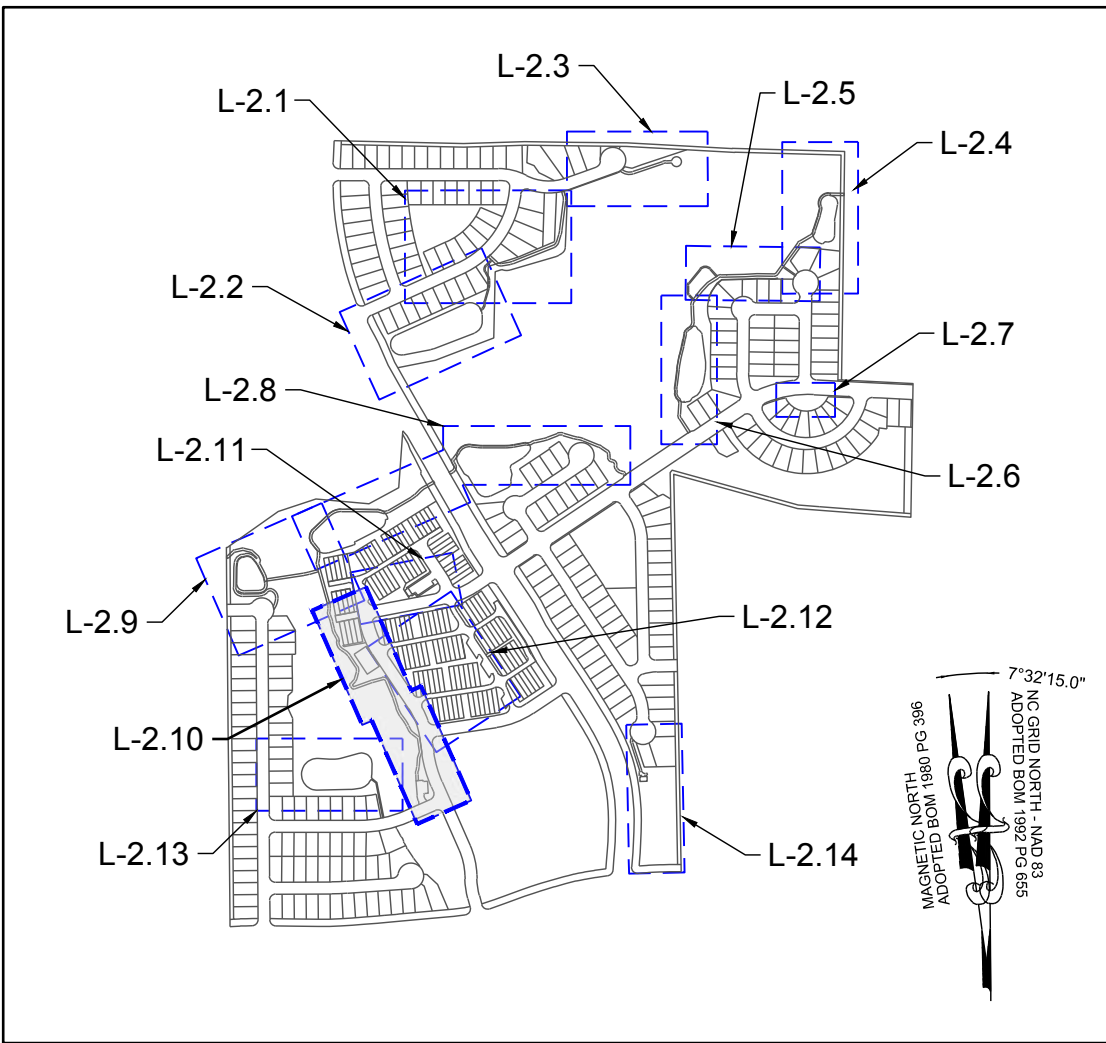


BASKETBALL COURT & GREENWAY PLAN

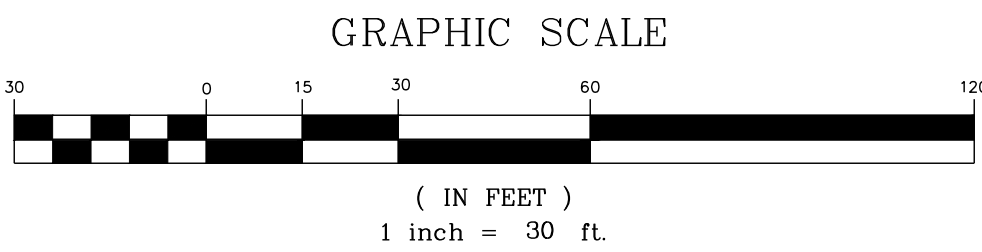
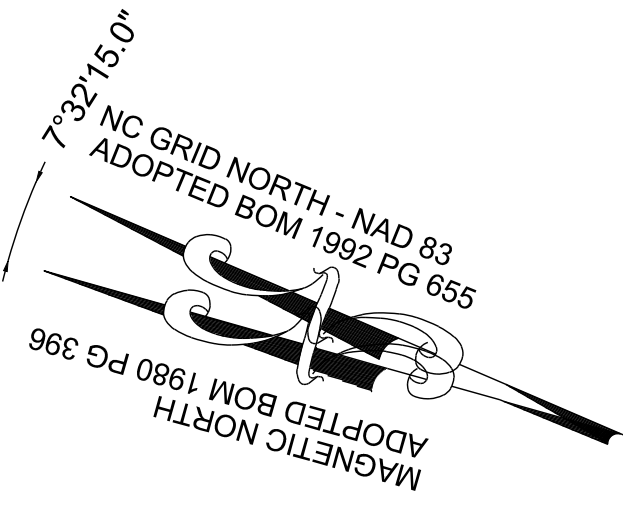
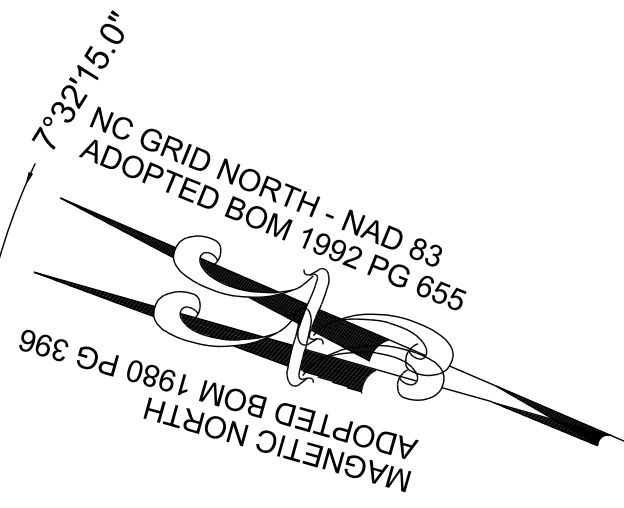
LEGEND:			
	EXISTING PROPERTY LINE		30' STREET YARD BUFFER
	500YR FLOOD LINE		15' TYPE II PERIMETER BUFFER
	100YR FLOOD LINE		OPEN SPACE
	SIGN		EXISTING WETLAND
	STOP BAR		FLOOD HAZARD
	ROADWAY CENTER LINE		FLOODZONE AE
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	ROLESVILLE STANDARD VALLEY CURB		SWAMP/MARSH HARRIS CREEK
	STANDARD CURB & GUTTER		GENERIC WOODEN PRIVACY FENCE
	GREENWAY		FENCE PICKET FLAT-TOP
	CONCRETE SIDEWALK		FENCING
	ASPHALT PAVEMENT		
	POLLINATOR GARDEN		
	ACTIVE & PASSIVE OPEN SPACE		



NAVAJO SHELTER

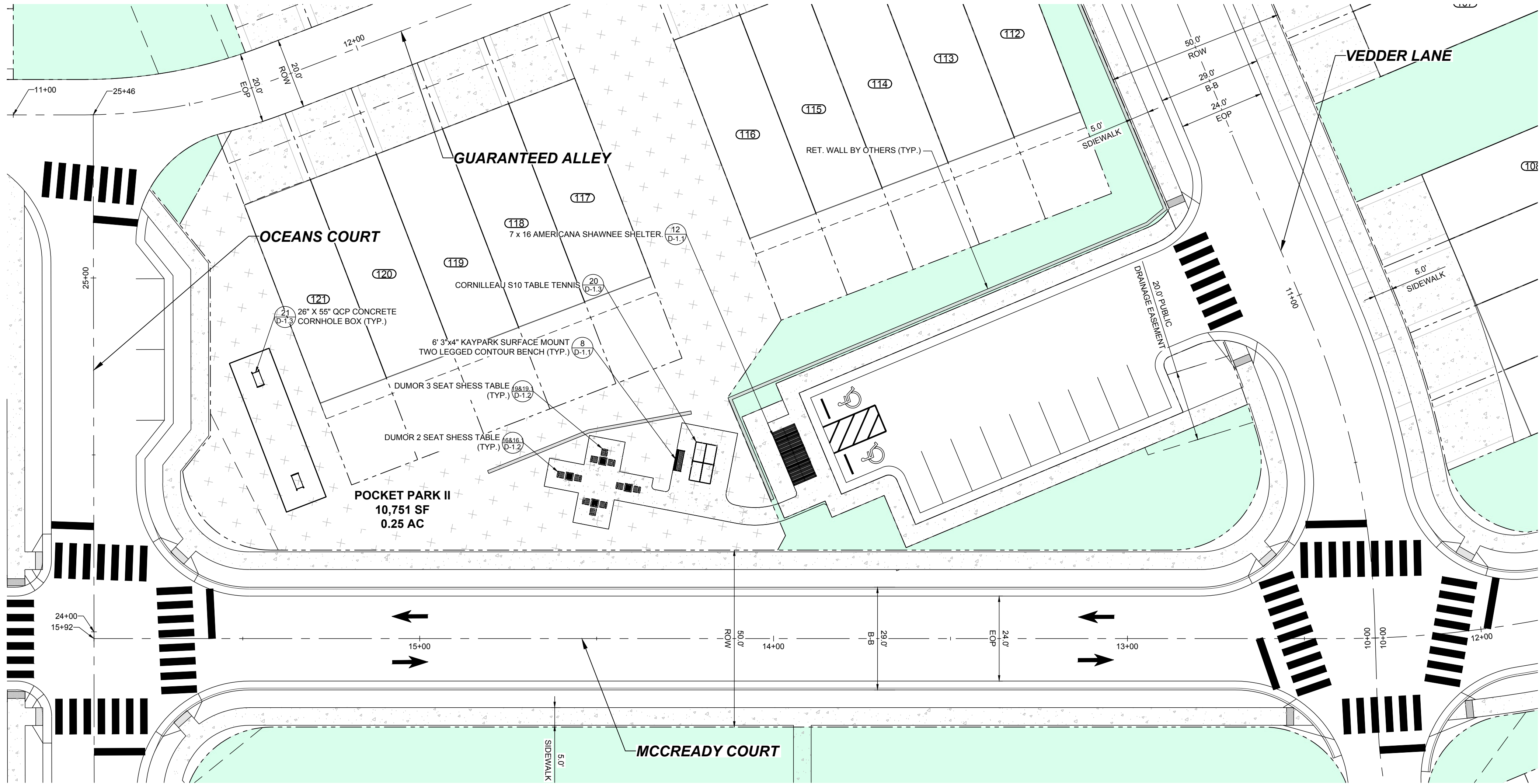


SITE KEY PLAN



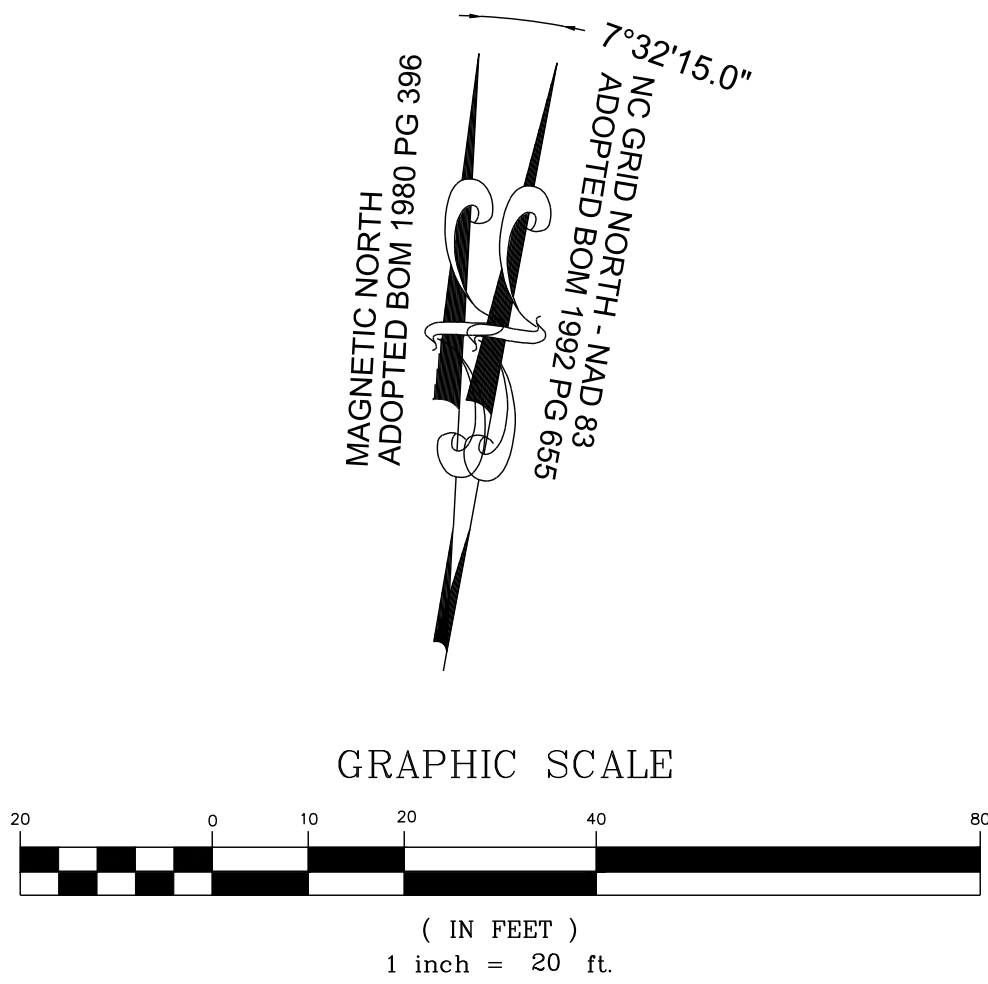
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CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	01	08/04/2024	SRG	BY
	02	11/07/2024	SRG	DATE
	03	02/07/2024	SRG	
	04	08/02/2025	SRG	
REVISIONS				
No.				
SEAL:				
STRONGROCK ENGINEERING GROUP				
STRONG ROCK ENGINEERING GROUP, PLLC COMPANY LICENSE # P-2166 305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 INFORMATION@STRONGROCKGROUP.COM				
STRONG ROCK PROJECT PSP-24-03	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY SRG	DRAWN BY SRG
CHECKED BY SRG				
RESERVE @ MITCHELL MILL TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA CONSTRUCTION PLANS BASKETBALL COURT & GREENWAY PLAN				
DRAWING SHEET L-2.10				
166 OF 227				

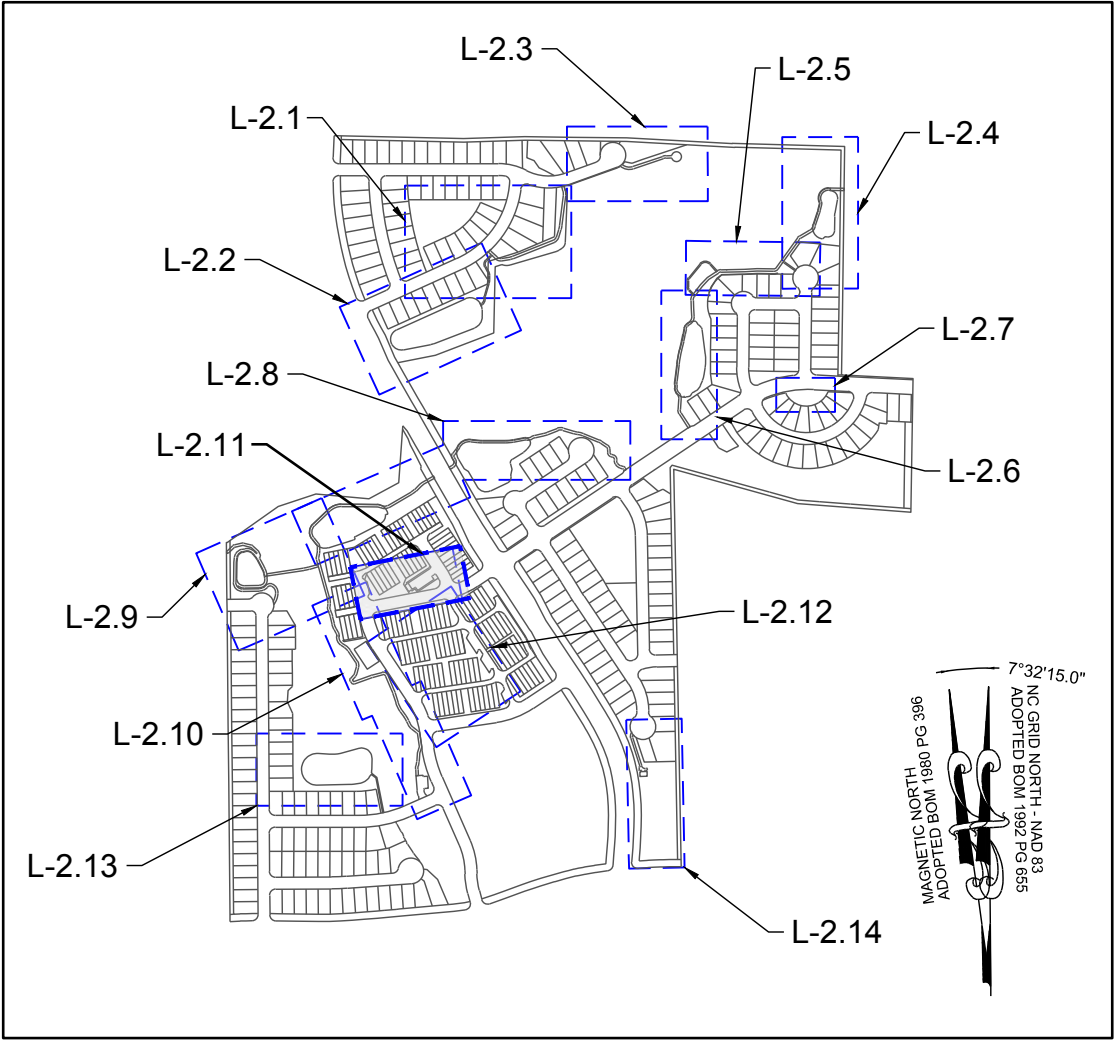


POCKET PARK II PLAN

LEGEND:			
	EXISTING PROPERTY LINE		30' STREET YARD BUFFER
	500 YEAR FLOOD LINE		15' TYPE II PERIMETER BUFFER
	100 YEAR FLOOD LINE		OPEN SPACE
	SIGN		EXISTING WETLAND
	STOP BAR		FLOOD HAZARD
	ROADWAY CENTER LINE		FLOODZONE AE
	PROPOSED PROPERTY LINE		FLOODWAY
	ROLESVILLE STANDARD VALLEY CURB		SWAMP/MARSH HARRIS CREEK
	STANDARD CURB & GUTTER		GENERIC WOODEN PRIVACY FENCE
	GREENWAY		FENCE PICKET FLAT-TOP
	CONCRETE SIDEWALK		FENCING
	ASPHALT PAVEMENT		
	POLLINATOR GARDEN		
	ACTIVE & PASSIVE OPEN SPACE		



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SITE KEY PLAN

STRONGROCK

ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166

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RESERVE @ MITCHELL MILL

TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

CONSTRUCTION PLANS

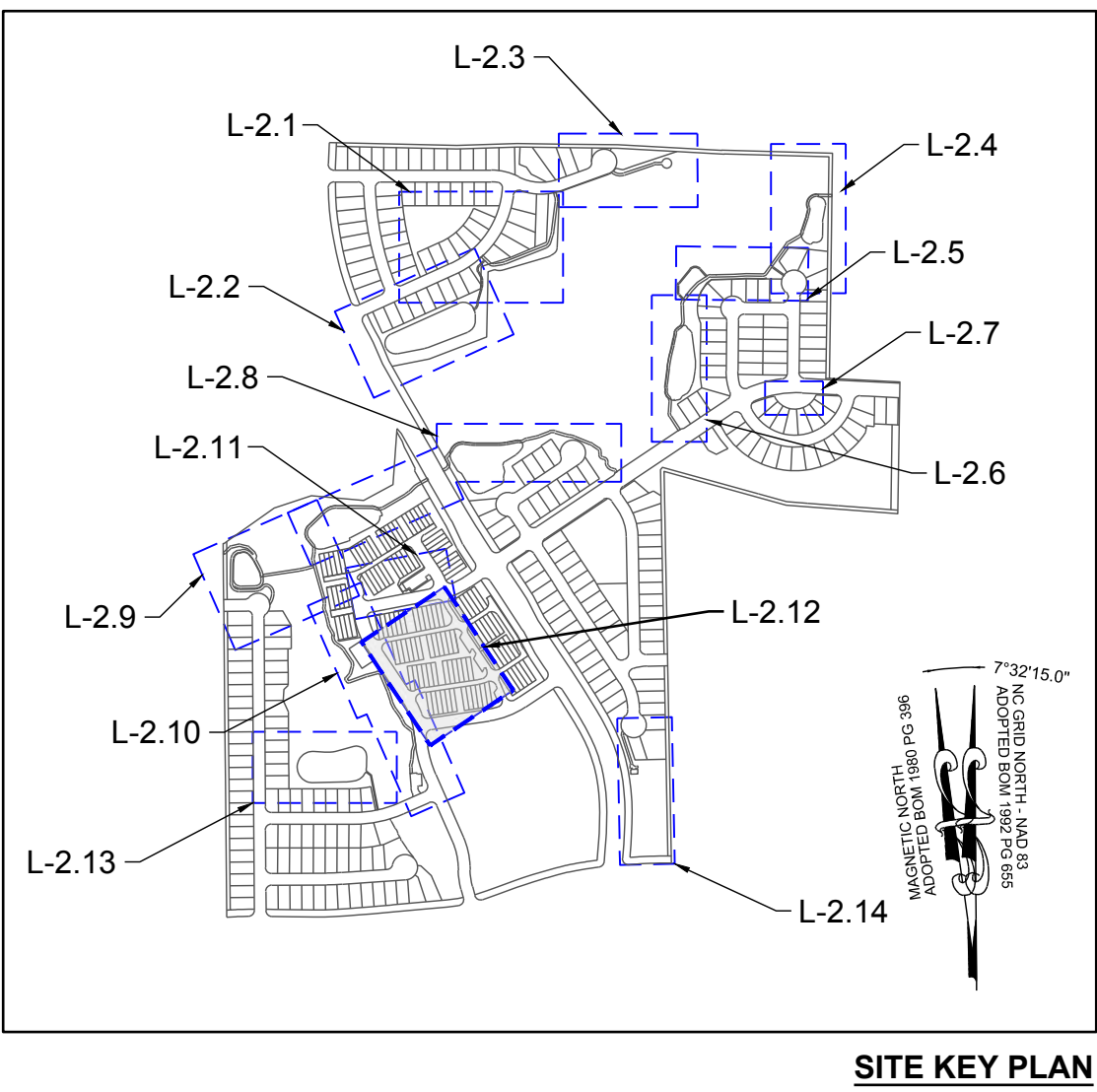
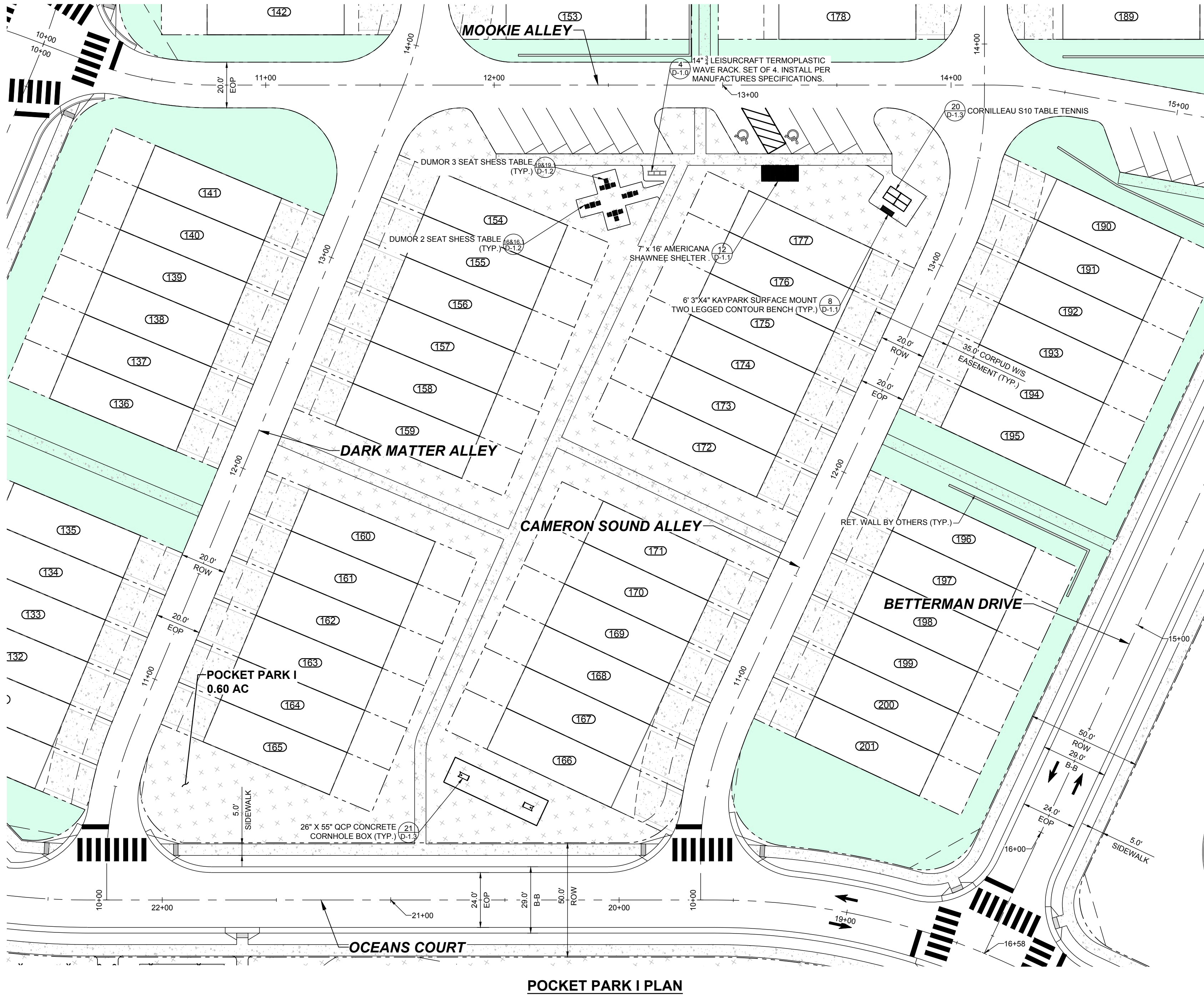
POCKET PARK II PLAN

DRAWING SHEET

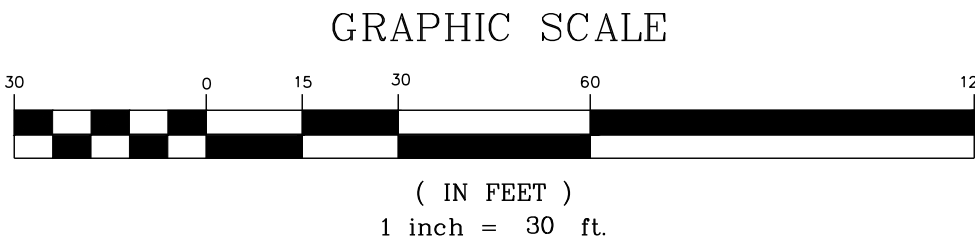
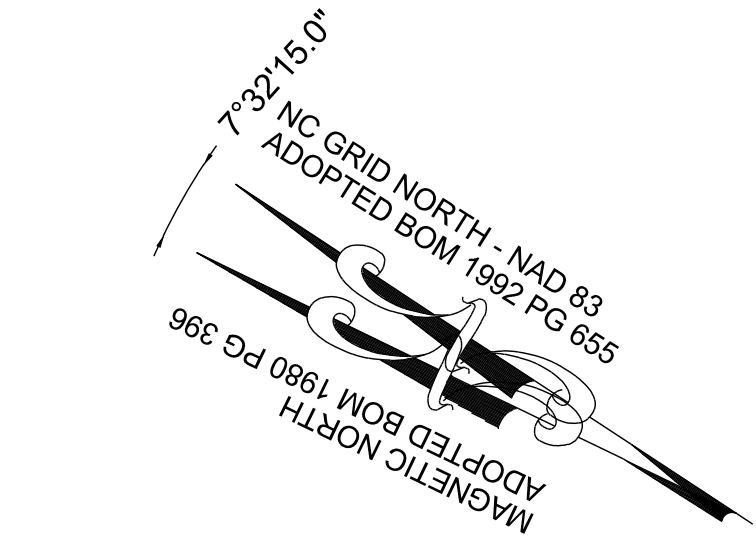
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CONSTRUCTION INFRASTRUCTURE DRAWINGS				REVISIONS		DATE	BY
01	08/04/2024	CONSTRUCTION INFRASTRUCTURE DRAWINGS	CID-24-04	No.			
02	11/07/2024	TOWN OF ROLESVILLE CID-24-04 V2	SREG				
03	02/07/2024	TOWN OF ROLESVILLE CID-24-04 V3	SREG				
04	08/02/2025	TOWN OF ROLESVILLE CID-24-04 V4	SREG				



LEGEND:			
	EXISTING PROPERTY LINE		30' STREET YARD BUFFER
	500YR FLOOD LINE		15' TYPE II PERIMETER BUFFER
	100YR FLOOD LINE		OPEN SPACE
	SIGN		EXISTING WETLAND
	STOP BAR		FLOOD HAZARD
	ROADWAY CENTER LINE		FLOODZONE AE
	PROPOSED PROPERTY LINE		FLOODWAY
	ROLESVILLE STANDARD VALLEY CURB		SWAMP/MARSH HARRIS CREEK
	STANDARD CURB & GUTTER		GENERIC WOODEN PRIVACY FENCE
	GREENWAY		FENCE PICKET FLAT-TOP
	CONCRETE SIDEWALK		FENCING
	ASPHALT PAVEMENT		
	POLLINATOR GARDEN		
	ACTIVE & PASSIVE OPEN SPACE		



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CONSTRUCTION INFRASTRUCTURE DRAWINGS				REVISIONS		DATE	BY
01	CID-24-04	08/04/2024	SREG	No.			
02	TOWN OF ROLESVILLE CID-24-04 V2	11/07/2024	SREG				
03	TOWN OF ROLESVILLE CID-24-04 V3	02/07/2024	SREG				
04	TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SREG				

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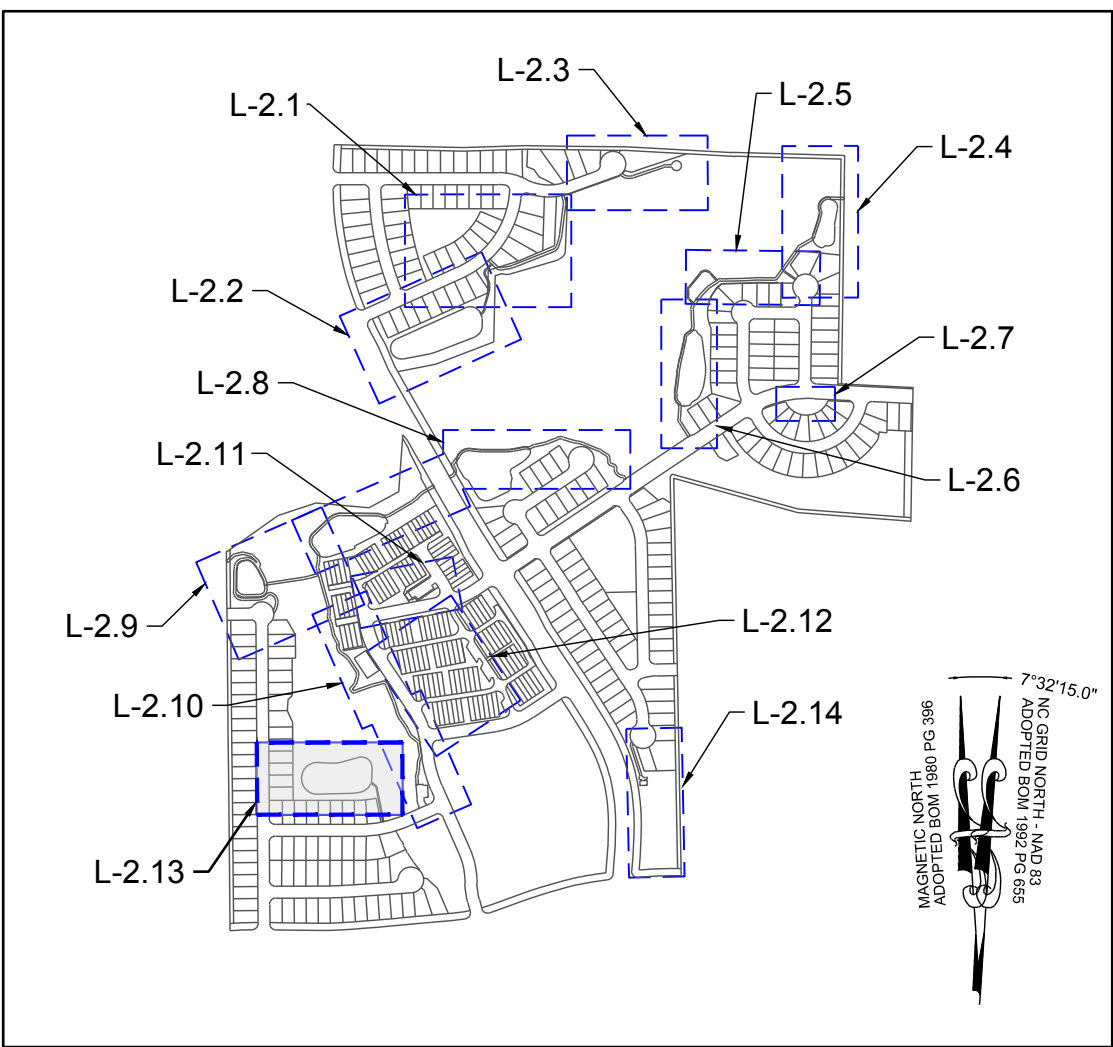
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305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT PSP-24-03	NOT FOR CONSTRUCTION	SCALE AS SHOWN	SRG	SRG	SRG
DESIGNED BY	DRAWN BY	CHECKED BY			

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
POCKET PARK I PLAN

DRAWING
SHEET

L-2.12



SITE KEY PLAN

STRONGROCK
ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC COMPANY LICENSE # 2-548
 10000 10TH AVENUE NORTH, SUITE 1000, ALPHARETTA, GA 30007
 TEL: 770.241.8800 FAX: 770.241.8801 WWW.STRONGROCKGROUP.COM

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

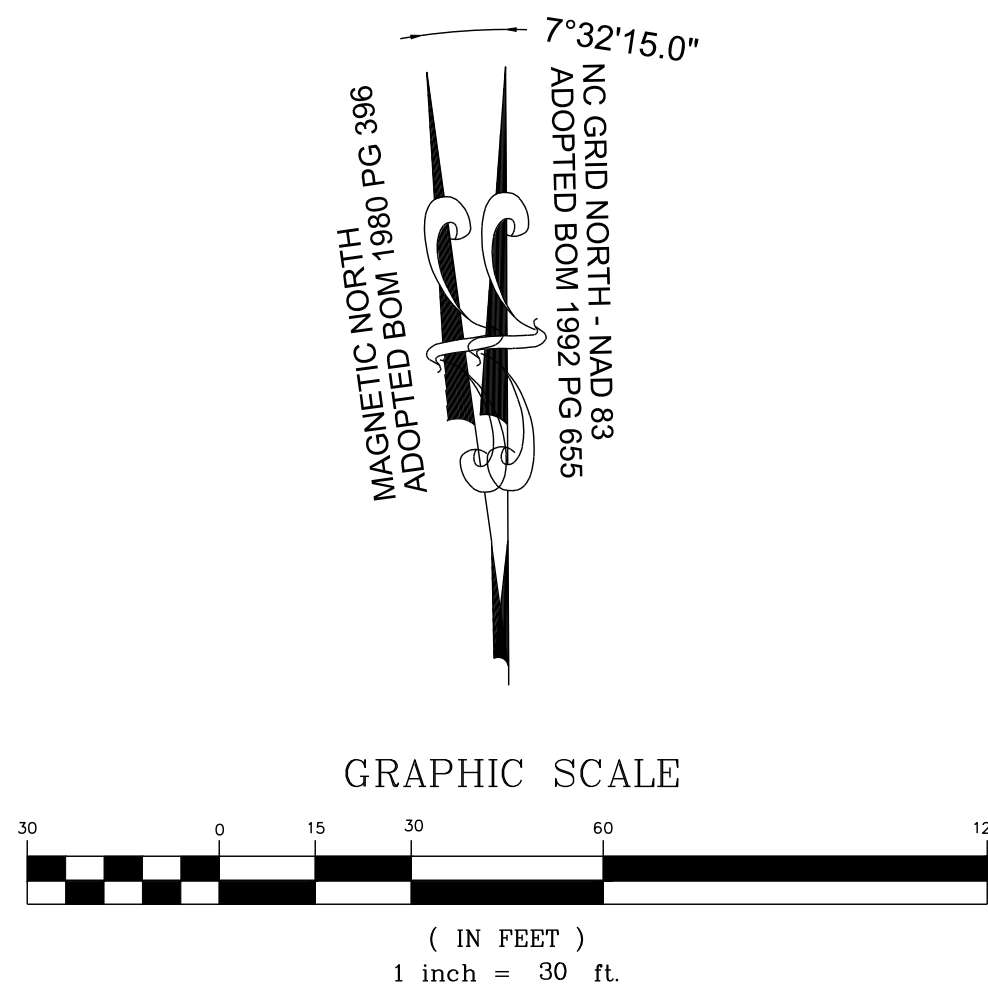
CONSTRUCTION PLANS

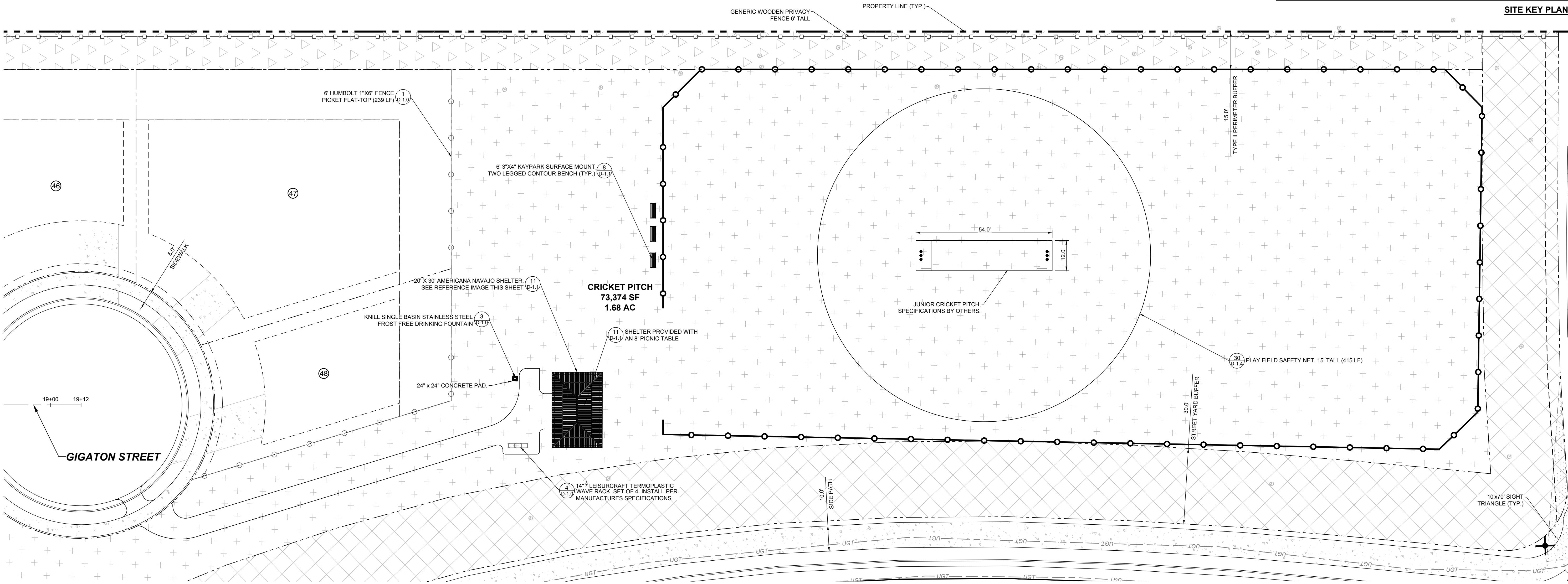
NEIGHBOURHOOD PARK PLAN

169 OF 227

A gravel path curves through a lush garden. The path is bordered by tall, green grasses and dense trees. The sky is blue with some clouds. The path leads towards a small, dark structure in the distance.

CRUSHED GRAVEL PATH



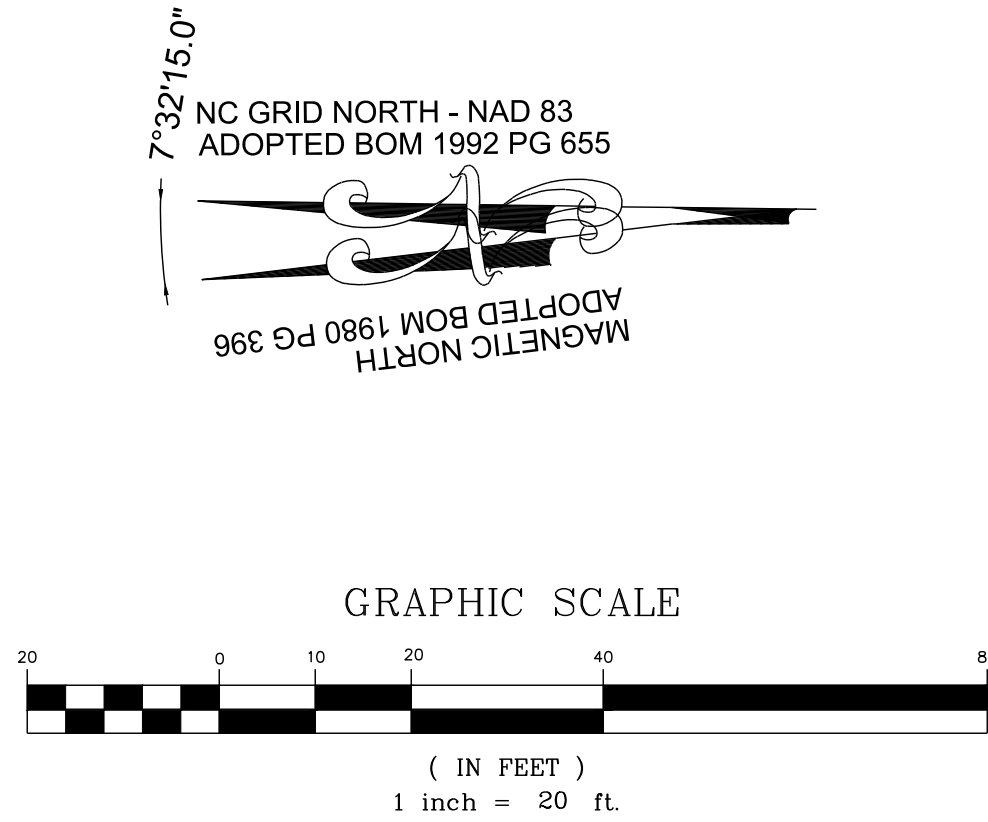


CRICKET PITCH PLAN

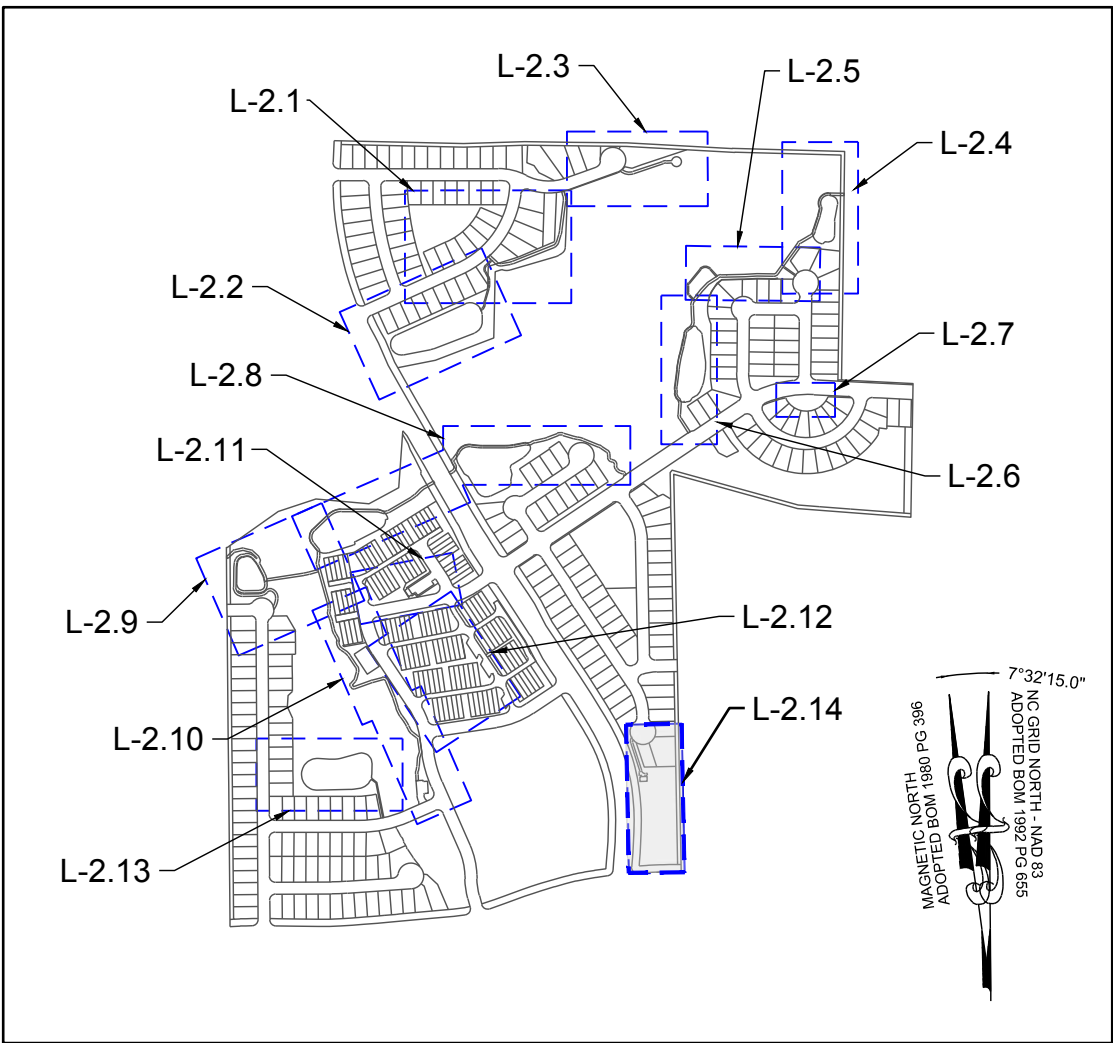
LEGEND:			
	EXISTING PROPERTY LINE		30' STREET YARD BUFFER
	500YR FLOOD LINE		15' TYPE II PERIMETER BUFFER
	100YR FLOOD LINE		OPEN SPACE
	SIGN		EXISTING WETLAND
	STOP BAR		FLOOD HAZARD
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	STANDARD CURB & GUTTER		GENERIC WOODEN PRIVACY FENCE
	GREENWAY		FENCE PICKET FLAT-TOP
	CONCRETE SIDEWALK		FENCING
	ASPHALT PAVEMENT		
	POLLINATOR GARDEN		
	ACTIVE & PASSIVE OPEN SPACE		



NAVAJO SHELTER



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SITE KEY PLAN

CONSTRUCTION INFRASTRUCTURE DRAWINGS				REVISIONS		DATE	BY
NO.	DESCRIPTION	DATE	BY	NO.	DESCRIPTION		
01	TOWN OF ROLESVILLE CID-24-04 V2	08/04/2024	SRG				
02	TOWN OF ROLESVILLE CID-24-04 V3	11/07/2024	SRG				
03	TOWN OF ROLESVILLE CID-24-04 V4	02/07/2024	SRG				
04	TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SRG				

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STRONG ROCK PROJECT PSP-23-03

NOT FOR CONSTRUCTION

SCALE AS SHOWN

DESIGNED BY SRG

DRAWN BY SRG

CHECKED BY SRG

RESERVE @ MITCHELL MILL

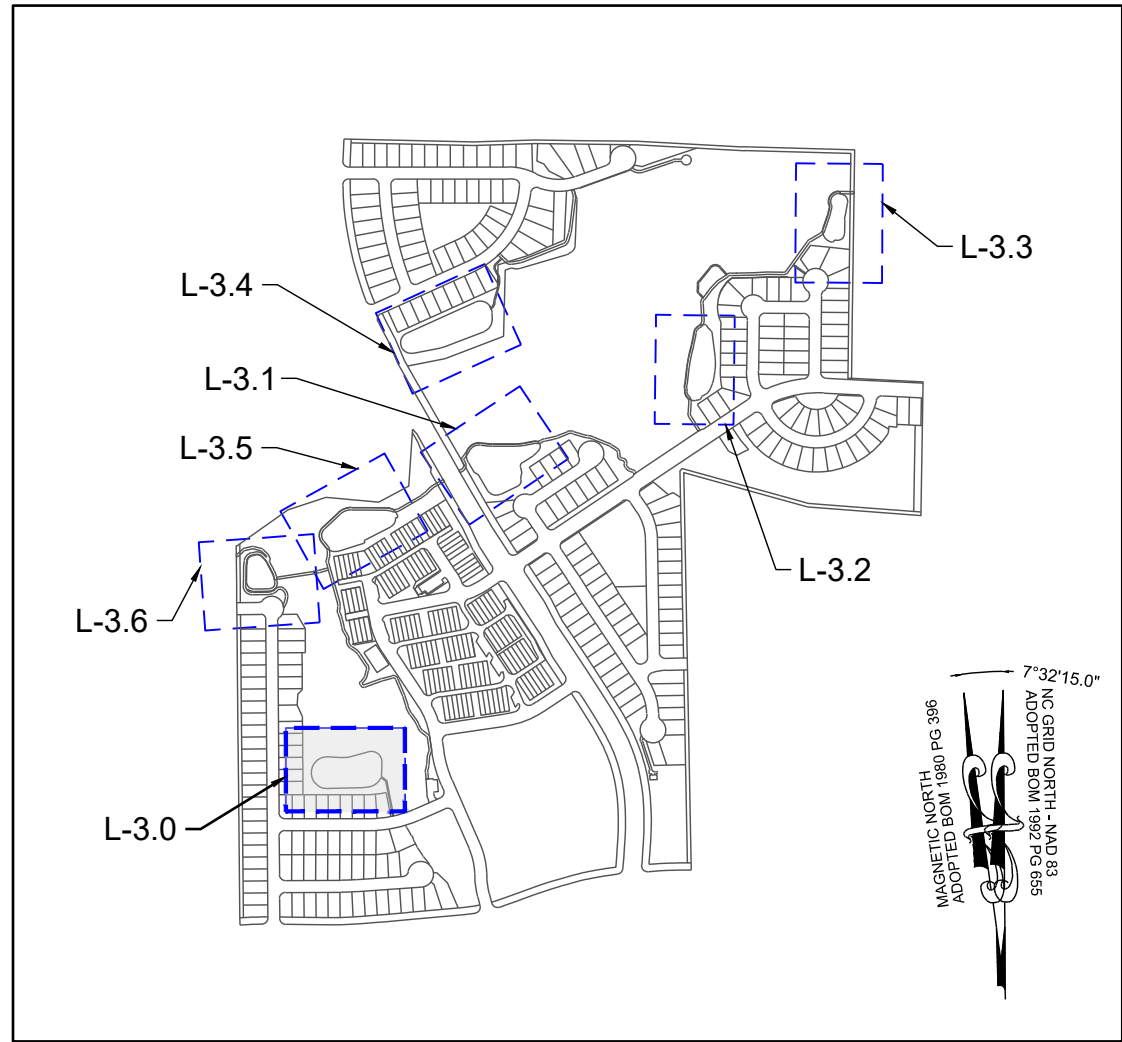
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

CONSTRUCTION PLANS

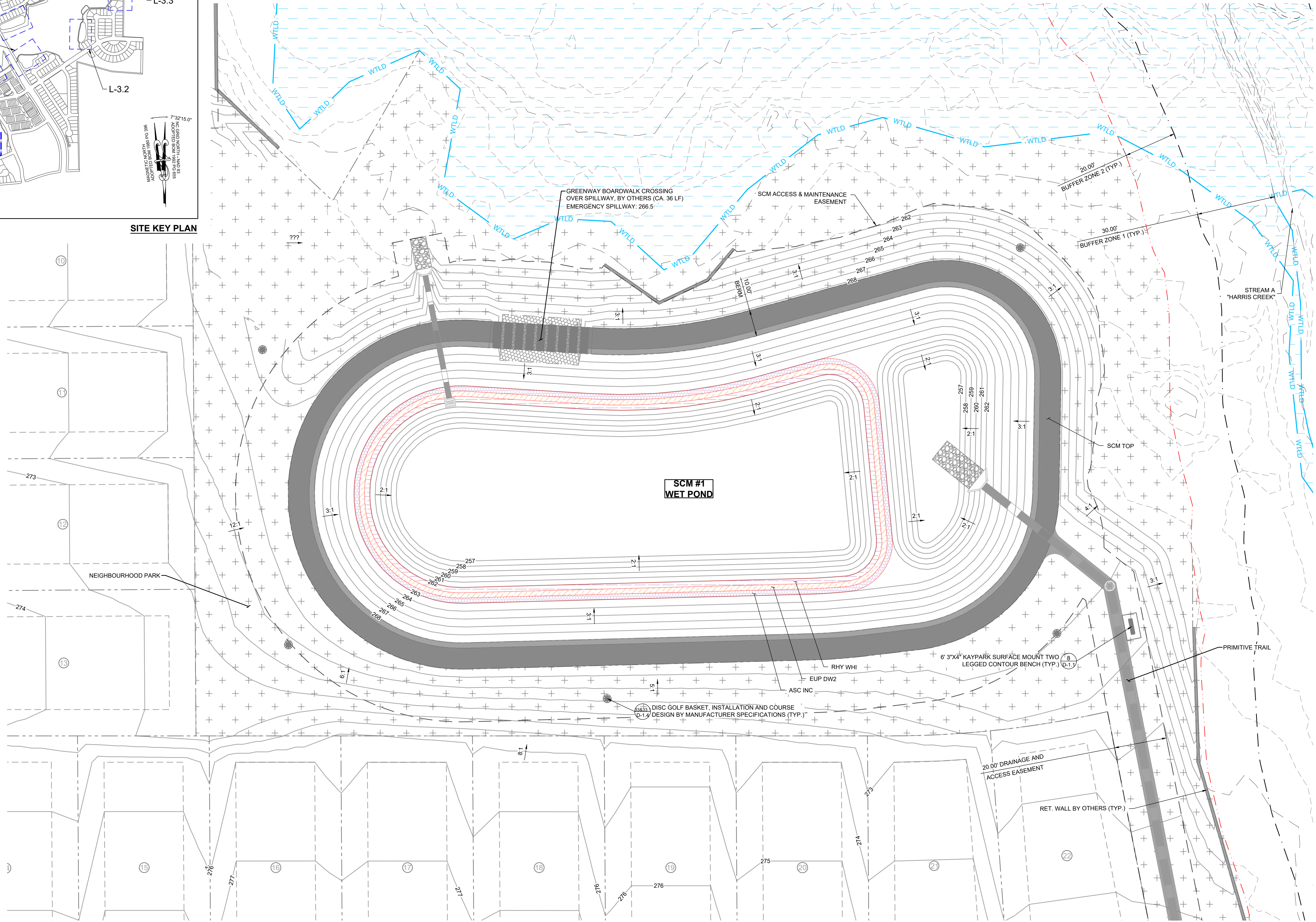
CRICKET PITCH PLAN

DRAWING SHEET

L-2.14



SITE KEY PLAN

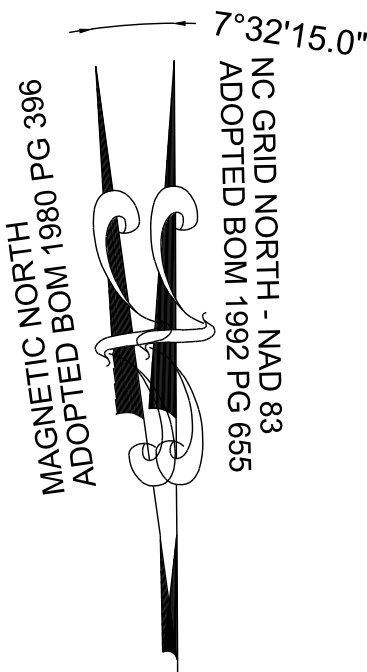


PLANT SCHEDULE SCM PLANTING

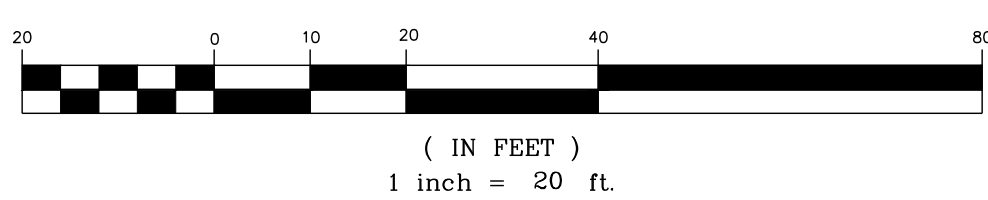
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
LOW GROUND COVERS							
	RHY WHI	4,110	RHYNCHOSPORA COLORATA	WHITE-TOPPED SEDGE	#SP1	POT	6" O.C.
		4,110	SUBTOTAL:				
MEDIUM GROUND COVERS							
	EUP DW2	4,215	EUPATORIADELPHUS DUBIUS	DWARF JOE PYE WEED	#SP1	POT	6" O.C.
		4,215	SUBTOTAL:				
TALL GROUND COVERS							
	ASC INC	4,320	ASCLEPIAS INCARNATA	SWAMP MILKWEED	#SP1	POT	6" O.C.
		4,320	SUBTOTAL:				

LEGEND:

	STORM DRAIN LINE
	FLARED END SECTION
	CATCH BASIN
	STORM DRAIN MANHOLE
	EX. MAJOR CONTOURS
	EX. MINOR CONTOURS
	PROP. MAJOR CONTOURS
	PROP. MINOR CONTOURS
	EXISTING WETLAND
	500 YEAR FLOOD LINE
	100 YEAR FLOOD LINE



GRAPHIC SCALE



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STRONG ROCK PROJECT
PSP-24-03

NOT FOR
CONSTRUCTION

SCALE
AS SHOWN

DESIGNED BY
SRG

DRAWN BY
SRG

CHECKED BY
SRG

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PLANTING SCM #1

DRAWING
SHEET
L-3.0

171 OF 227

CONSTRUCTION INFRASTRUCTURE DRAWINGS
CID-24-04

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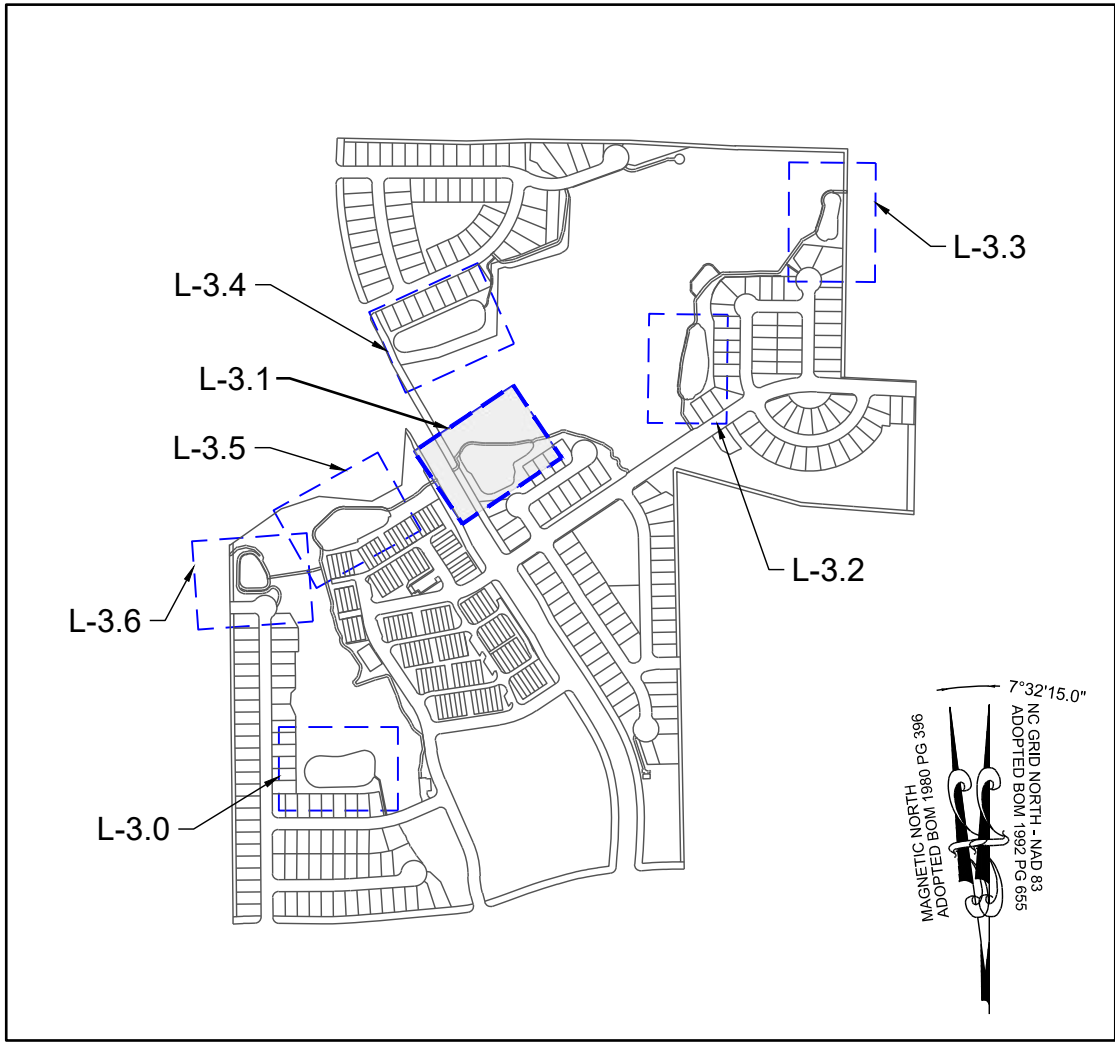
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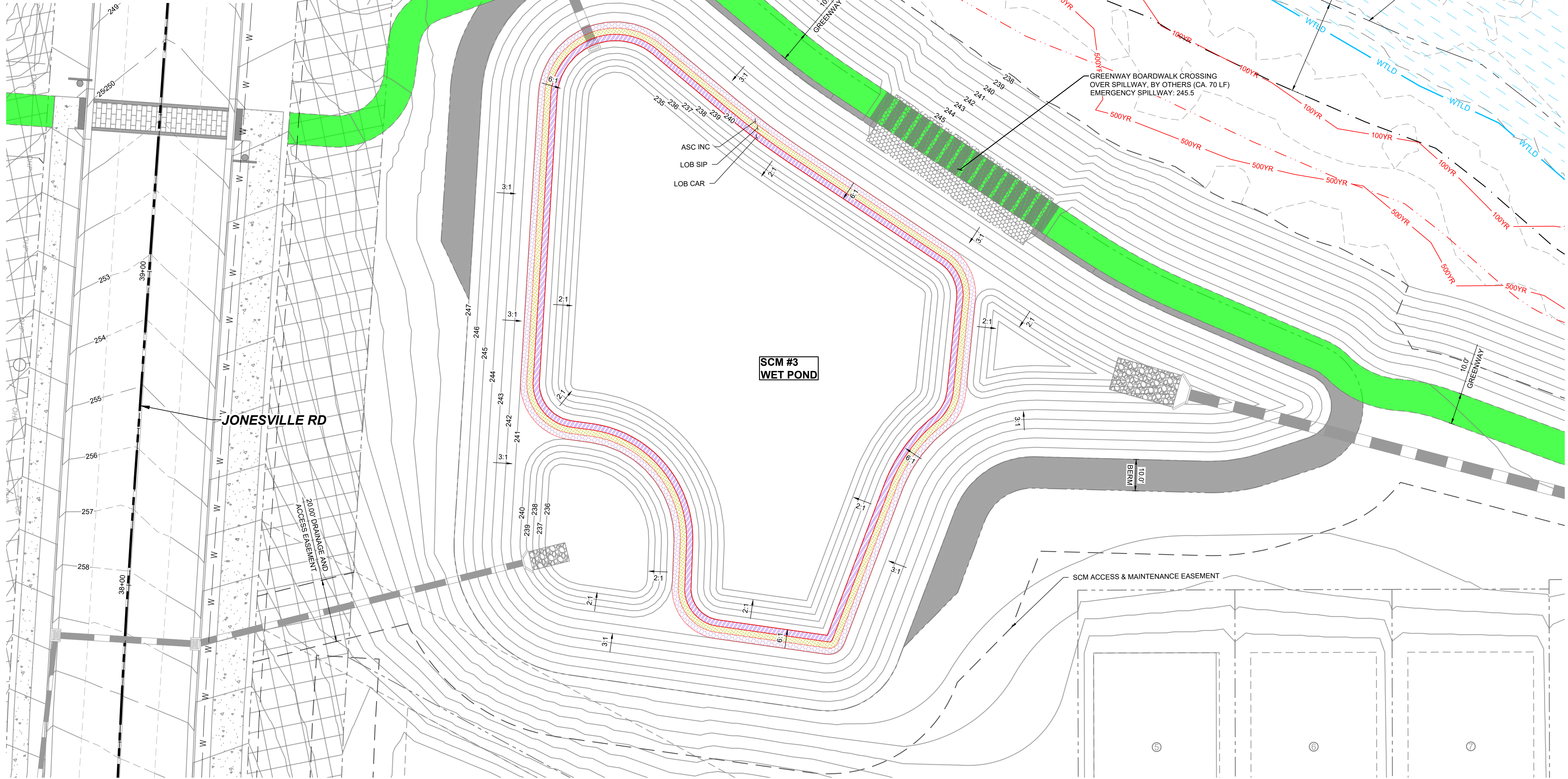
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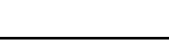
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SITE KEY PLAN



PLANT SCHEDULE SCM PLANTING							
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
LOW GROUND COVERS							
	LOB CAR	4,363	LOBELIA CARDINALIS	CARDINAL FLOWER	#SP1	POT	6" O.C.
		4,363	SUBTOTAL:				
MEDIUM GROUND COVERS							
	LOB SIP	4,472	LOBELIA SIPHILITICA	GREAT LOBELIA	#SP1	POT	6" O.C.
		4,472	SUBTOTAL:				
TALL GROUND COVERS							
	ASC INC	4,471	ASCLEPIAS INCARNATA	SWAMP MILKWEED	#SP1	POT	6" O.C.
		4,471	SUBTOTAL:				

LEGEND:

STORM DRAIN LINE

FLARED END SECTION

CATCH BASIN

STORM DRAIN MANHOLE

EX. MAJOR CONTOURS

EX. MINOR CONTOURS

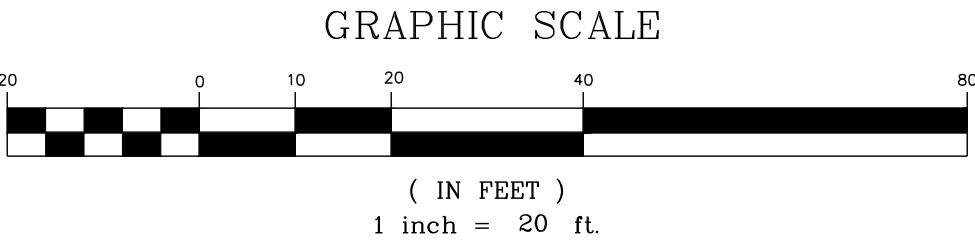
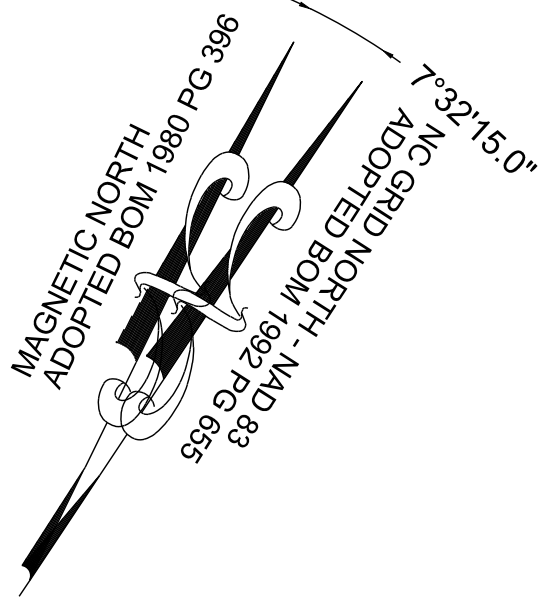
PROP. MAJOR CONTOURS

PROP. MINOR CONTOURS

EXISTING WETLAND

500 YEAR FLOOD LINE

100 YEAR FLOOD LINE



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CONSTRUCTION INFRASTRUCTURE DRAWINGS		SEAL:		BY	
01	CID-24-04	08/01/2024	SRG		DATE
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SRG		
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SRG		
04	TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SRG		
				REVISIONS	
				No.	

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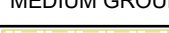
STRONG ROCK PROJECT	SRG
PSP-24-03	SRG
NOT FOR CONSTRUCTION	SRG
SCALE AS SHOWN	SRG
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PLANTING SCM #3

DRAWING SHEET

L-3.1



LOW GROUND COVERS							
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
	CHE GLA	3,778	CHELONE GLABRA	WHITE TURTLEHEAD	#SP1	POT	6" O.C.
		3,778	SUBTOTAL:				
MEDIUM GROUND COVERS							
	LOB SIP	3,883	LOBELIA SIPHILITICA	GREAT LOBELIA	#SP1	POT	6" O.C.
		3,883	SUBTOTAL:				
TALL GROUND COVERS							
	ASC INC	3,987	ASCLEPIAS INCARNATA	SWAMP MILKWEED	#SP1	POT	6" O.C.
		3,987	SUBTOTAL:				

LEGEND:

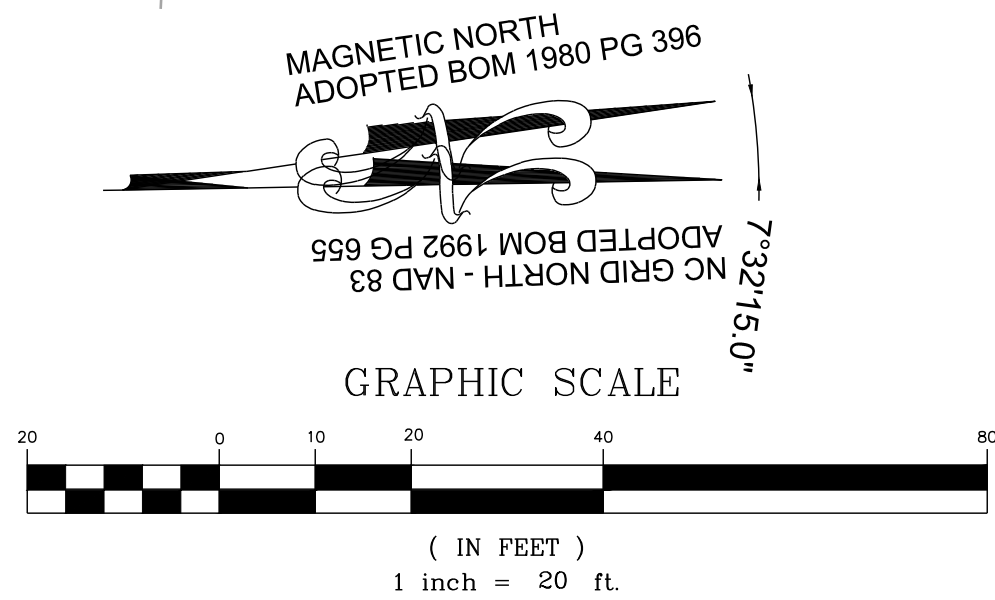
The legend defines the symbols used on the map. It includes a horizontal line with a crossbar for a storm drain line, a triangle for a flared end section, a square for a catch basin, a circle for a storm drain manhole, a dashed line for major contours, a solid line for minor contours, a blue line for the water table (WTLD), and three red lines for the 500-year, 100-year, and 100-year flood lines.

STORM DRAIN LINE
FLARED END SECTION
CATCH BASIN
STORM DRAIN MANHOLE
EX. MAJOR CONTOURS
EX. MINOR CONTOURS
PROP. MAJOR CONTOURS
PROP. MINOR CONTOURS

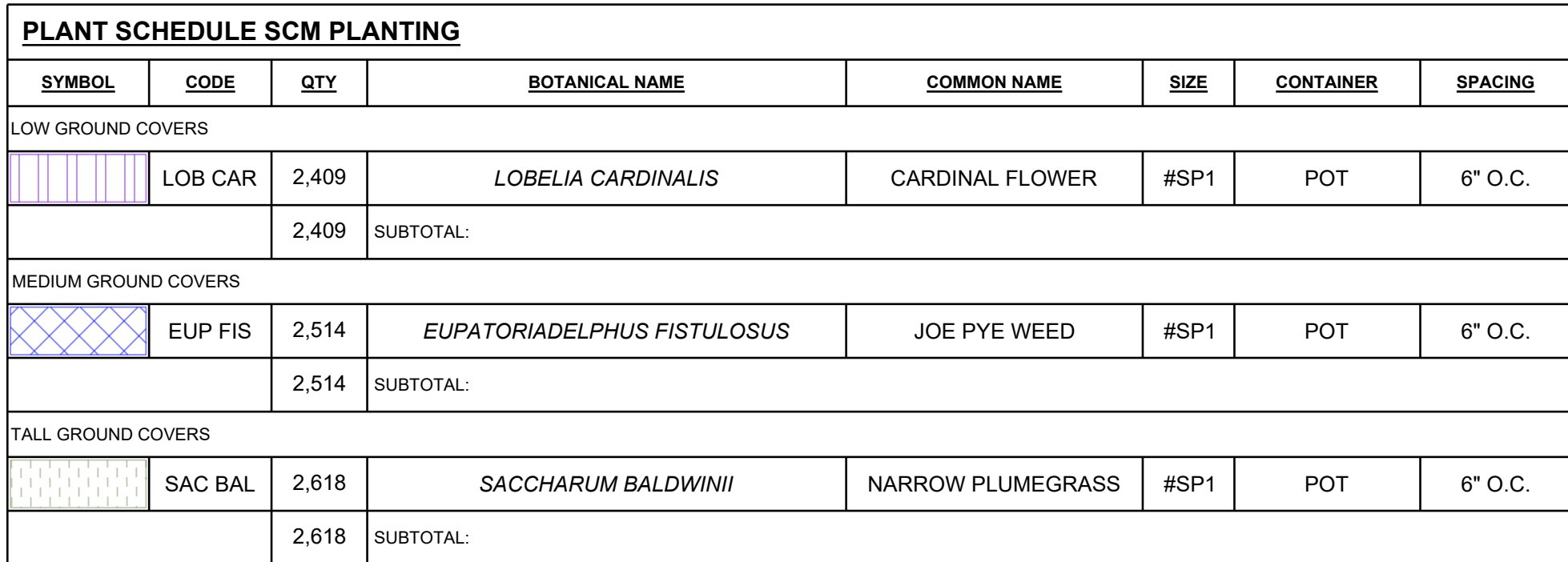
EXISTING WETLAND

WTLD
WTLD
500YR
100YR

500 YEAR FLOOD LINE
100 YEAR FLOOD LINE



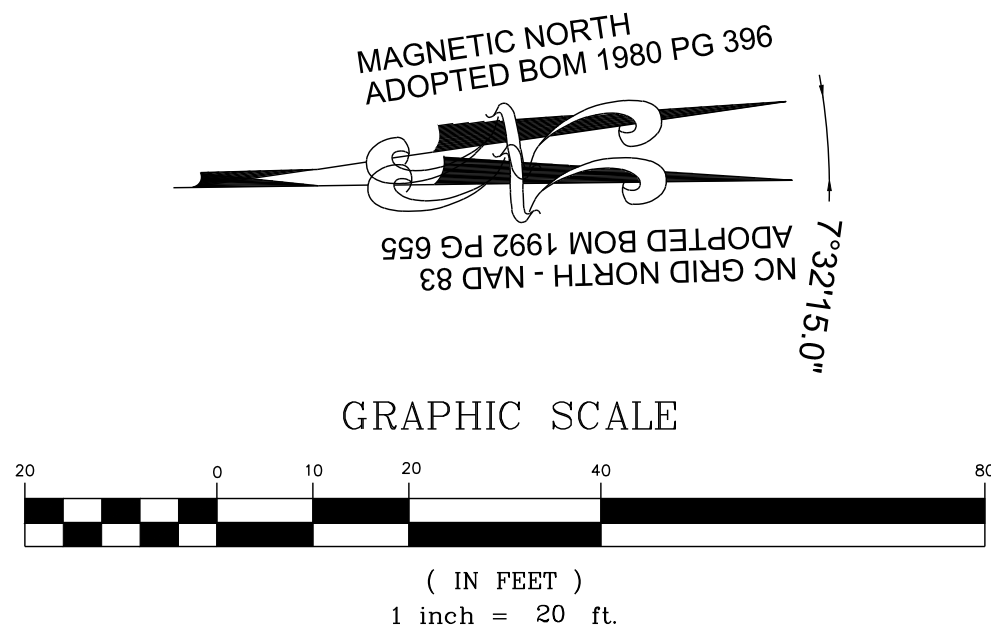
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LEGEND:

The legend defines the symbols used on the flood map. It includes a horizontal line with cross-ticks for a storm drain line, a triangle for a flared end section, a square for a catch basin, a circle for a storm drain manhole, dashed lines for major contours, and solid lines for minor contours. It also shows a blue hatched area for an existing wetland, and blue, red, and black lines for the 500-year, 100-year, and existing flood lines, respectively.

	STORM DRAIN LINE
	FLARED END SECTION
	CATCH BASIN
	STORM DRAIN MANHOLE
	EX. MAJOR CONTOURS
	EX. MINOR CONTOURS
	PROP. MAJOR CONTOURS
	PROP. MINOR CONTOURS
	EXISTING WETLAND
	500 YEAR FLOOD LINE
	100 YEAR FLOOD LINE



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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

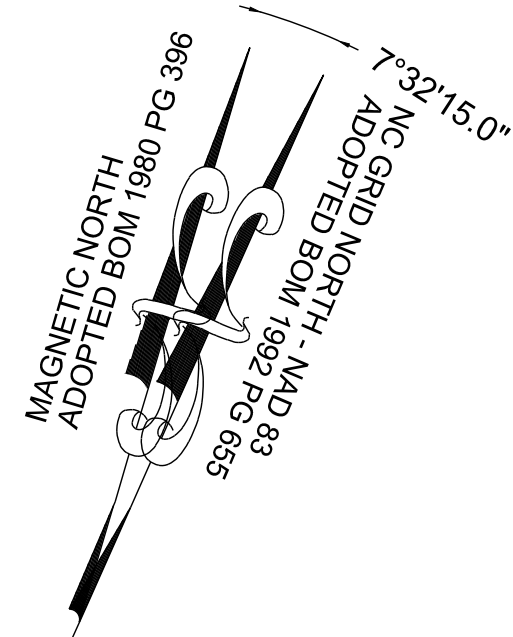
CONSTRUCTION PLANS
PLANTING SCM #5

DRAWING
SHEET

L-3.3

174 OF 227

01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG
No.	REVISIONS	DATE	BY

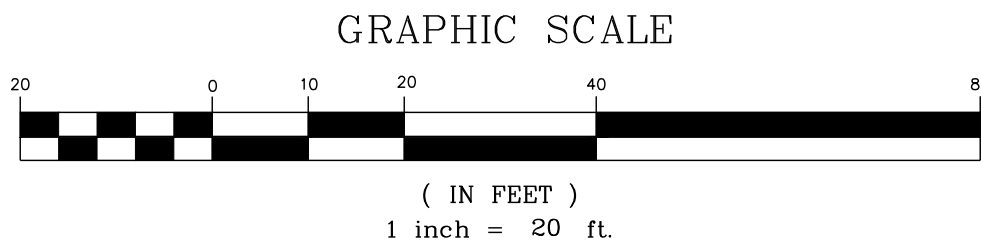


PLANT SCHEDULE SCM PLANTING							
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
LOW GROUND COVERS							
	RHY WHI	4,749	RHYNCHOSPORA COLORATA	WHITE-TOPPED SEDGE	#SP1	POT	6" O.C.
		4,749	SUBTOTAL:				
MEDIUM GROUND COVERS							
	EUP DW2	4,853	EUPATORIADELPHUS DUBIUS	DWARF JOE PYE WEED	#SP1	POT	6" O.C.
		4,853	SUBTOTAL:				
TALL GROUND COVERS							
	KOS VIR	4,948	KOSTELETZKYA VIRGINICA	SEASHORE MALLOW	#SP1	POT	6" O.C.
		4,948	SUBTOTAL:				

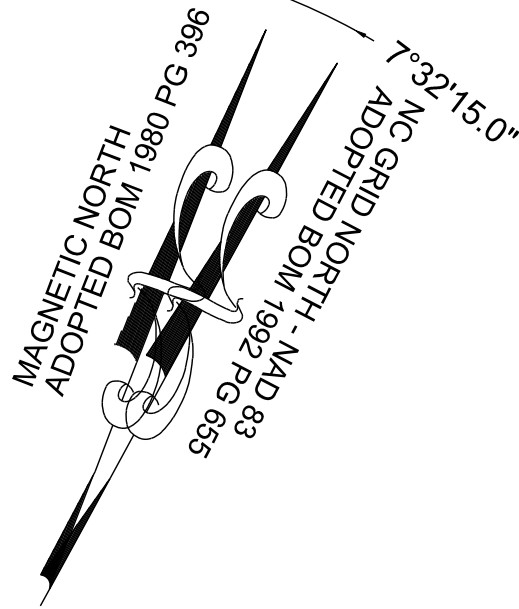
LEGEND:

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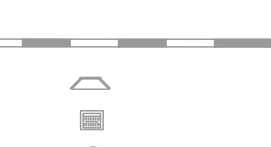
- STORM DRAIN LINE:** Represented by a dashed line with short horizontal dashes.
- FLARED END SECTION:** Represented by a solid line with a semi-circular end.
- CATCH BASIN:** Represented by a square symbol with a circle inside.
- STORM DRAIN MANHOLE:** Represented by a circle symbol.
- EX. MAJOR CONTOURS:** Represented by a dashed line.
- EX. MINOR CONTOURS:** Represented by a long-dashed line.
- PROP. MAJOR CONTOURS:** Represented by a solid line.
- PROP. MINOR CONTOURS:** Represented by a long-dashed line.
- EXISTING WETLAND:** Represented by a blue hatched area.
- WTLD:** Represented by a blue hatched area.
- 500YR:** Represented by a red line.
- 100YR:** Represented by a red line.



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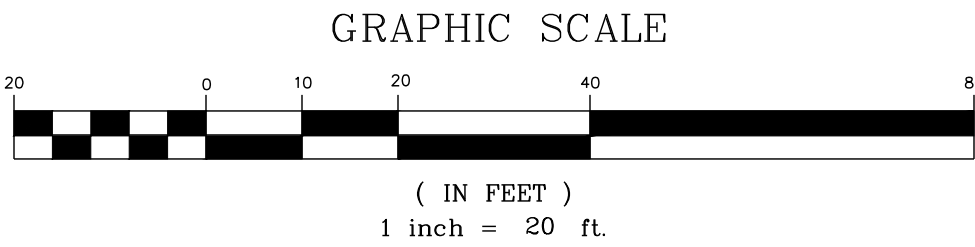


LEGEND:



The legend defines the symbols used on the map:

- Storm Drain Line: Represented by a dashed line with short horizontal dashes.
- Flared End Section: Represented by a trapezoidal shape.
- Catch Basin: Represented by a square with a circle inside.
- Storm Drain Manhole: Represented by a solid circle.
- 240: A dimension line indicating a width of 240 feet.
- WTLD (Wetland): Represented by a blue hatched pattern.
- 500YR (500 Year Flood Line): Represented by a solid red line.
- 100YR (100 Year Flood Line): Represented by a solid red line.

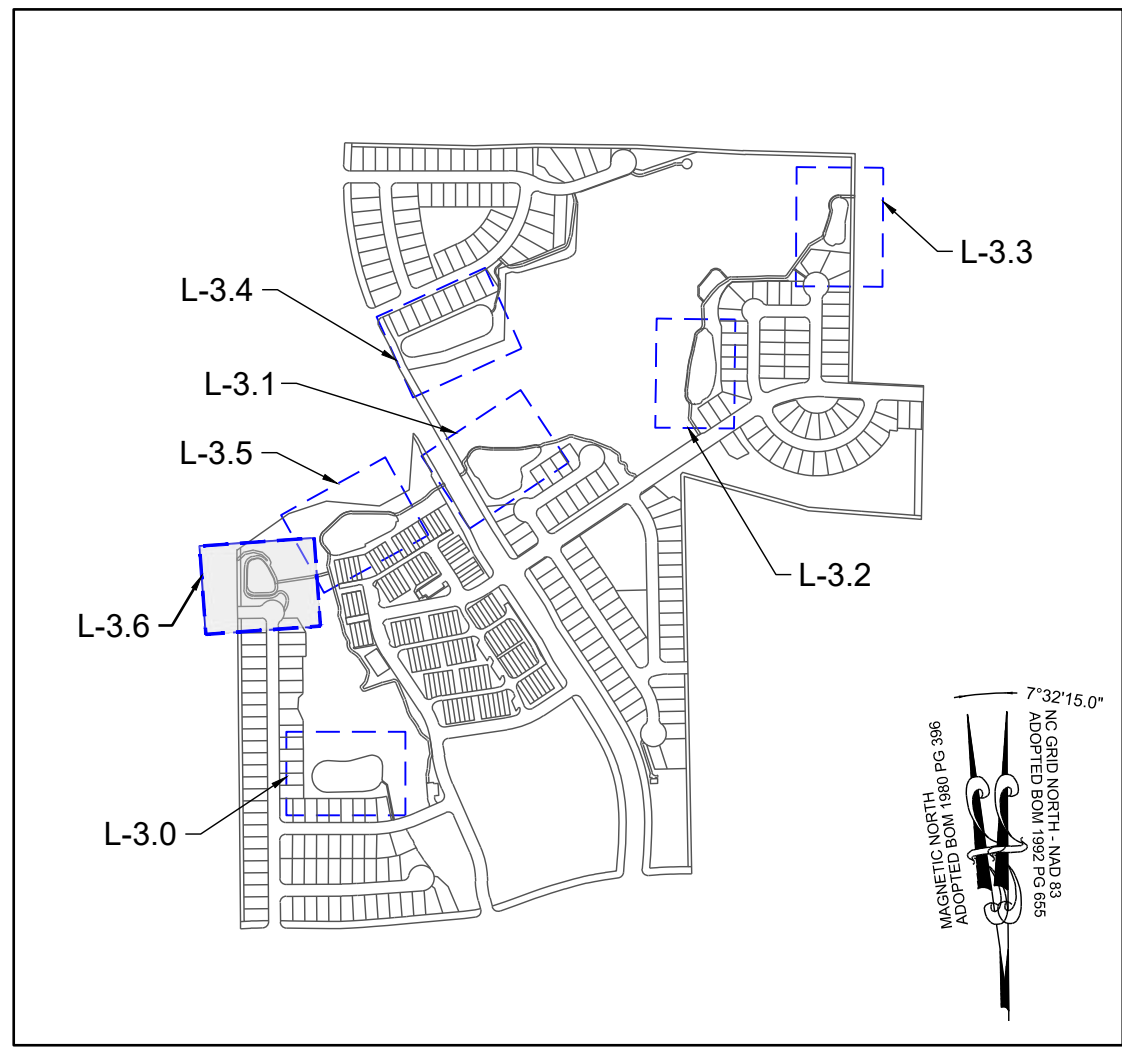


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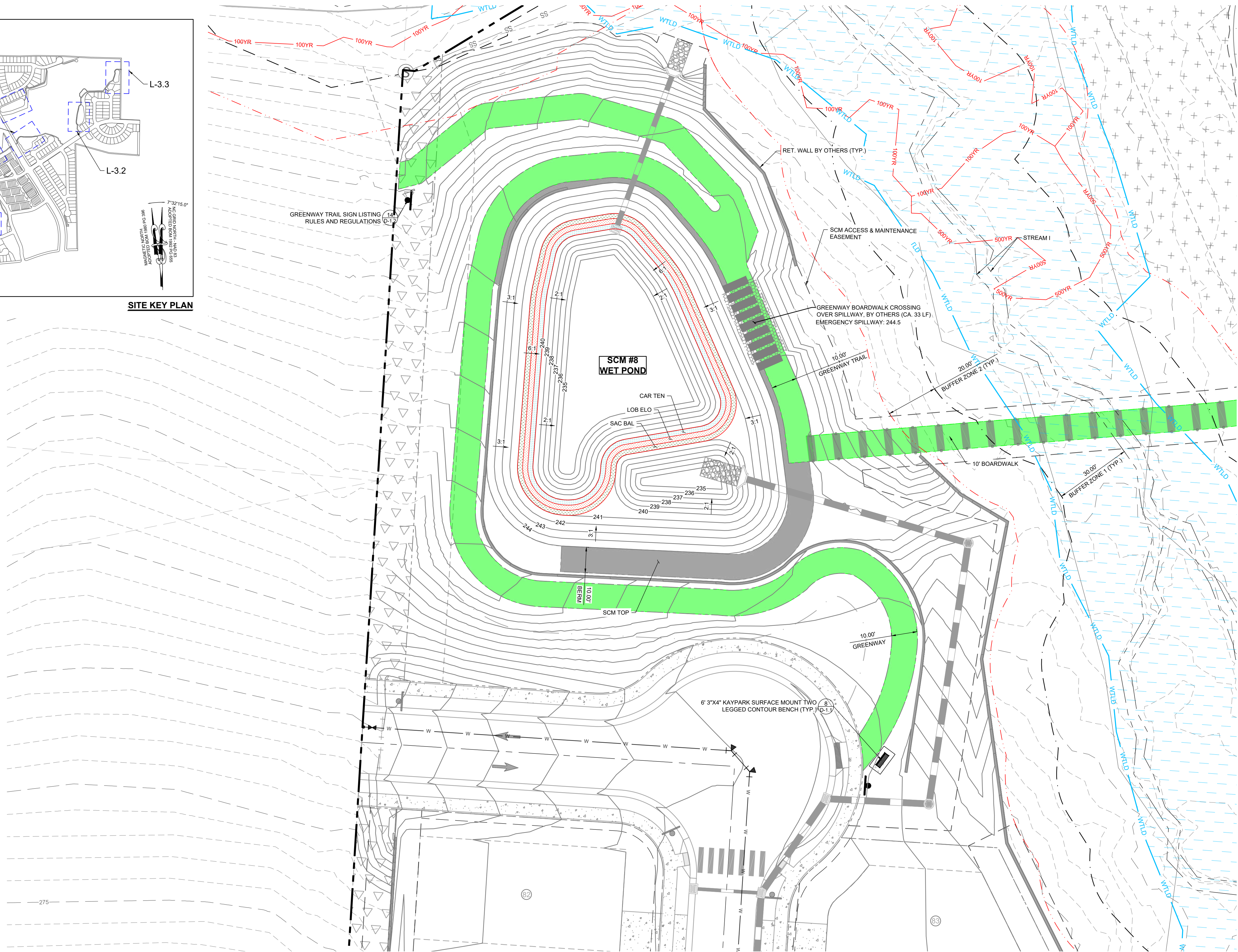
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PLANTING SCM #7

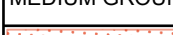
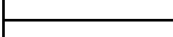
L-3.5

CONSTRUCTION INFRASTRUCTURE DRAWINGS		06/04/2024	SREG
01	CID-24-04		
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG
No	REVISIONS	DATE	BY



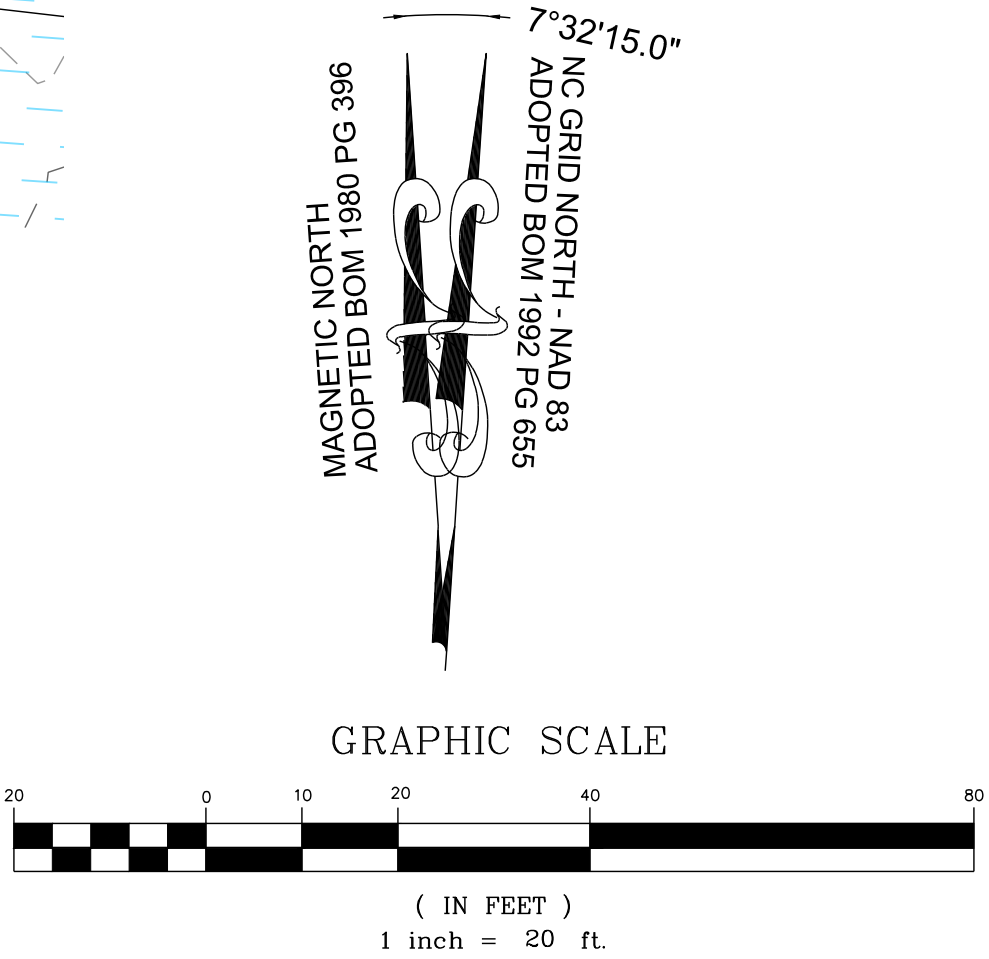
SITE KEY PLAN



PLANT SCHEDULE SCM PLANTING							
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
LOW GROUND COVERS							
	CAR TEN	2,479	CAREX TENERA	QUILL SEDGE	#SP1	POT	6" O.C.
		2,479	SUBTOTAL:				
MEDIUM GROUND COVERS							
	LOB ELO	2,584	LOBELIA ELONGATA	LONGLEAF LOBELIA	#SP1	POT	6" O.C.
		2,584	SUBTOTAL:				
TALL GROUND COVERS							
	SAC BAL	2,689	SACCHARUM BALDWINII	NARROW PLUMEGRASS	#SP1	POT	6" O.C.
		2,689	SUBTOTAL:				

LEGEND:

- STORM DRAIN LINE
- FLARED END SECTION
- CATCH BASIN
- STORM DRAIN MANHOLE
- EX. MAJOR CONTOURS
- EX. MINOR CONTOURS
- PROP. MAJOR CONTOURS
- PROP. MINOR CONTOURS
- EXISTING WETLAND
- 500 YEAR FLOOD LINE
- 100 YEAR FLOOD LINE



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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PLANTING SCM #8

DRAWING SHEET

L-3.6

STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
PSP-24-03	AS SHOWN	SRG	SRG	SRG	SRG

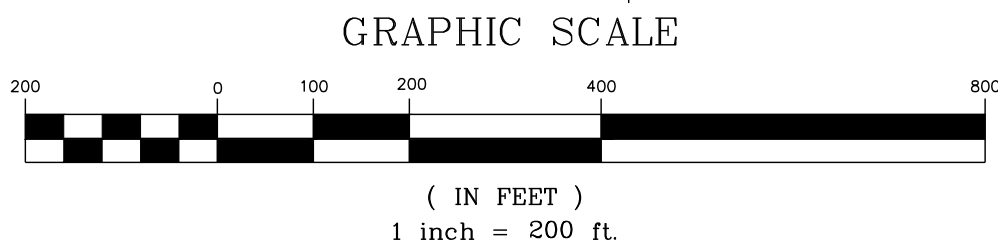
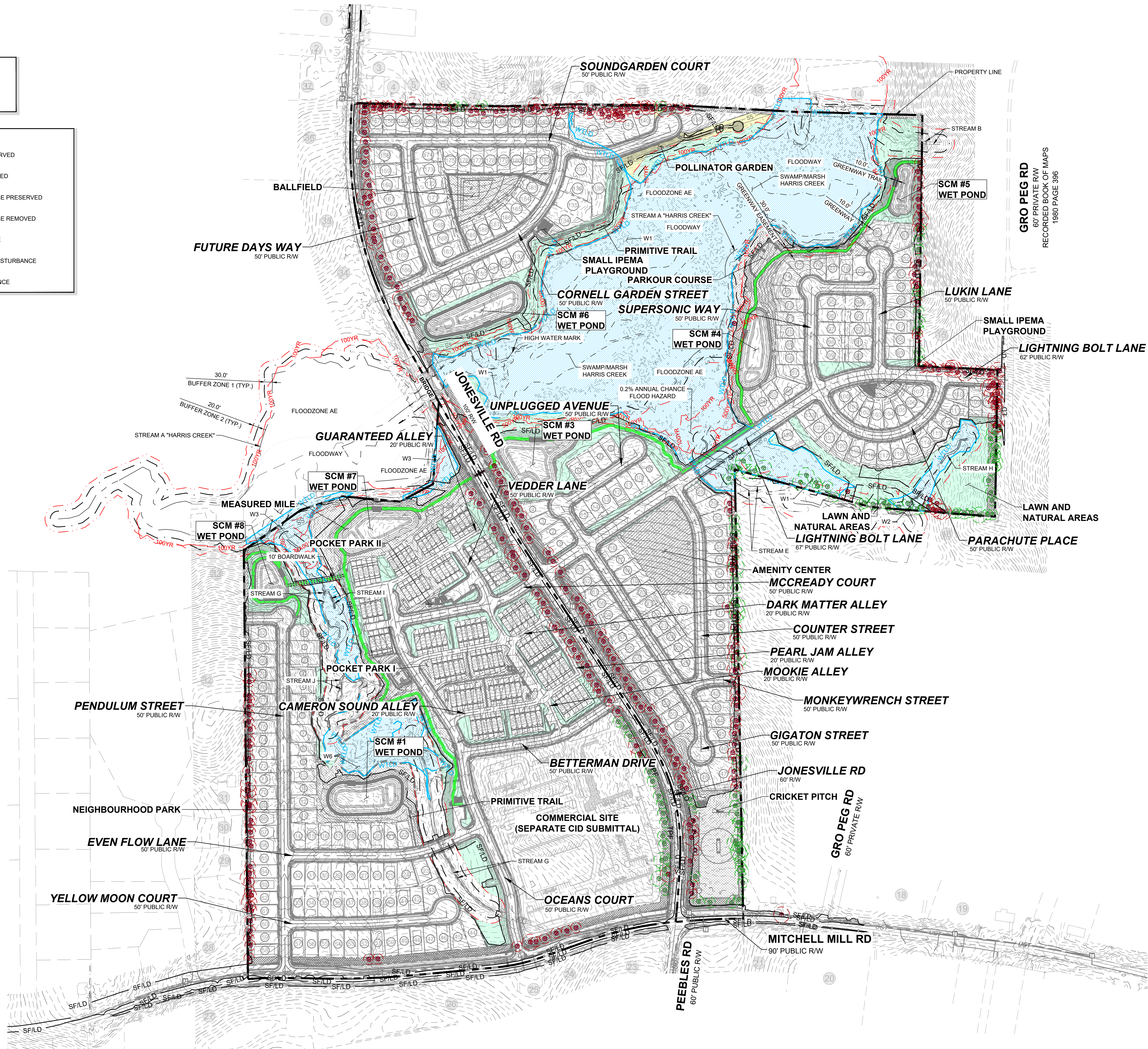
CONSTRUCTION INFRASTRUCTURE DRAWINGS	01	02	03	04	NO.	REVISIONS	DATE	BY
CID-24-04								
TOWN OF ROLESVILLE CID-24-04 V2								
TOWN OF ROLESVILLE CID-24-04 V3								
TOWN OF ROLESVILLE CID-24-04 V4								
08/02/2025								

NOTE:

THE CRITICAL ROOT ZONES (CRZ) SHALL REMAIN FREE OF ALL BUILDING MATERIALS, REFUSE, AND DEBRIS. SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

LEGEND:

- TREES WILL BE PRESERVED
- TREES WILL BE REMOVED
- CRZ FOR TREES WILL BE PRESERVED
- CRZ FOR TREES WILL BE REMOVED
- LD LIMIT OF DISTURBANCE
- SF/LD SILT FENCE/LIMIT OF DISTURBANCE
- TPF TREE PROTECTION FENCE



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CONSTRUCTION INFRASTRUCTURE DRAWINGS		DATE	BY
01	CID-24-04	08/04/2024	SRG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/07/2024	SRG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/07/2024	SRG
04	TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SRG
REVISIONS		DATE	BY
No.			

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STRONG ROCK PROJECT	SRG
PSP-24-03	SRG
NOT FOR CONSTRUCTION	SRG
SCALE AS SHOWN	SRG
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
OVERALL PRESERVATION PLAN

DRAWING SHEET

C-12.0



RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PRESERVATION PLAN I

DRAWING
SHEET

C-12.1

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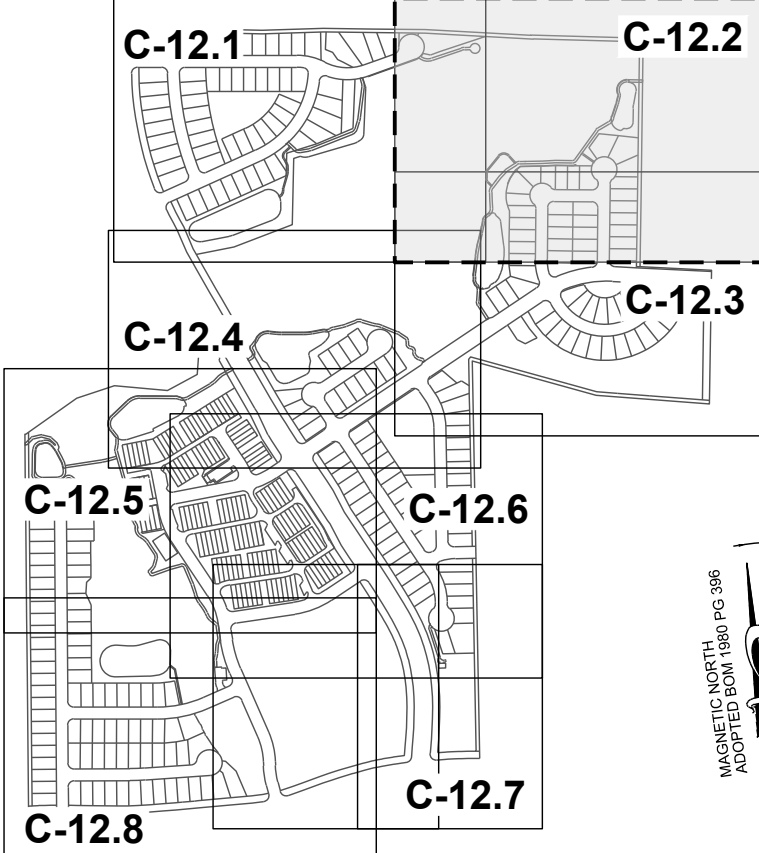
RS RENTAL II LLC
PIN: 1757584724
DB 18703 PG 2414
BM 1981 PG 894
ZONING: R-30 (WC)
USE: SF

KAREN E. BASS
PIN: 1757586704
DB 12560 PG 1626
BM 1984 PG 943
ZONING: R-30 (WC)
USE: SF

JAMES K. WILLIAMS
PIN: 1757588784
DB 16784 PG 1013
BM 1989 PG 01474
ZONING: R-30 (WC)
USE: VA

GRO PEG PROPERTIES LLC
PIN: 1757684697
DB 18359 PG 1707
LOT 5 - BM 1980 PG 00396
ZONING: R-30 (WC)
USE: VA

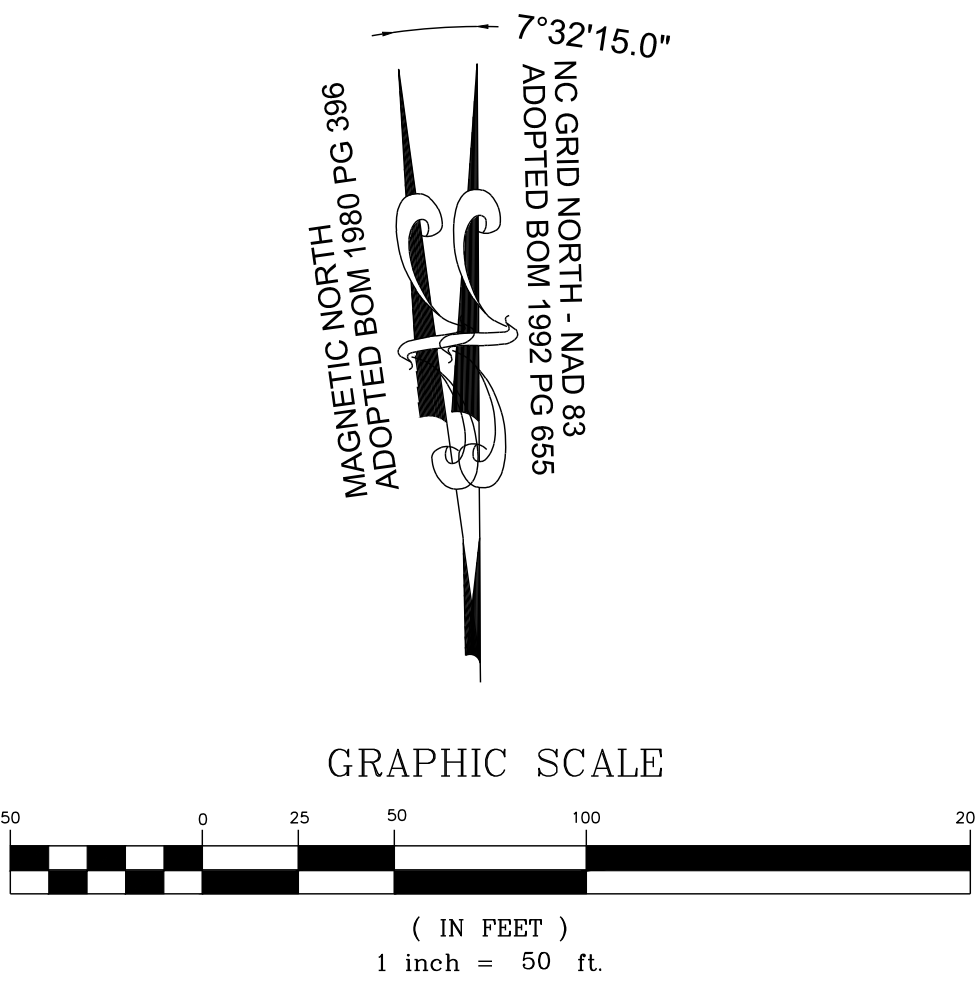
SCOTT & THERESA CARLE
PIN: 1757675786
DB 14863 PG 2493
LOT 4A- BM 1980 PG 00396
ZONING: R-30 (WC)
USE: VA



SITE KEY PLAN

LEGEND:

- Trees will be preserved
- Trees will be removed
- CRZ for trees will be preserved
- CRZ for trees will be removed
- LD - Limit of Disturbance
- SF/LD - Silt Fence/Limit of Disturbance
- TPF - Tree Protection Fence



CONSTRUCTION INFRASTRUCTURE DRAWINGS	DATE	BY
CID-24-04	08/04/2024	SREG
TOWN OF ROLESVILLE CID-24-04 V2	11/07/2024	SREG
TOWN OF ROLESVILLE CID-24-04 V3	02/07/2024	SREG
TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SREG
No.		
REVISIONS		
DATE		

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STRONG ROCK PROJECT	STRONG ROCK PROJECT
PSP-24-03	PSP-24-03
NOT FOR CONSTRUCTION	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

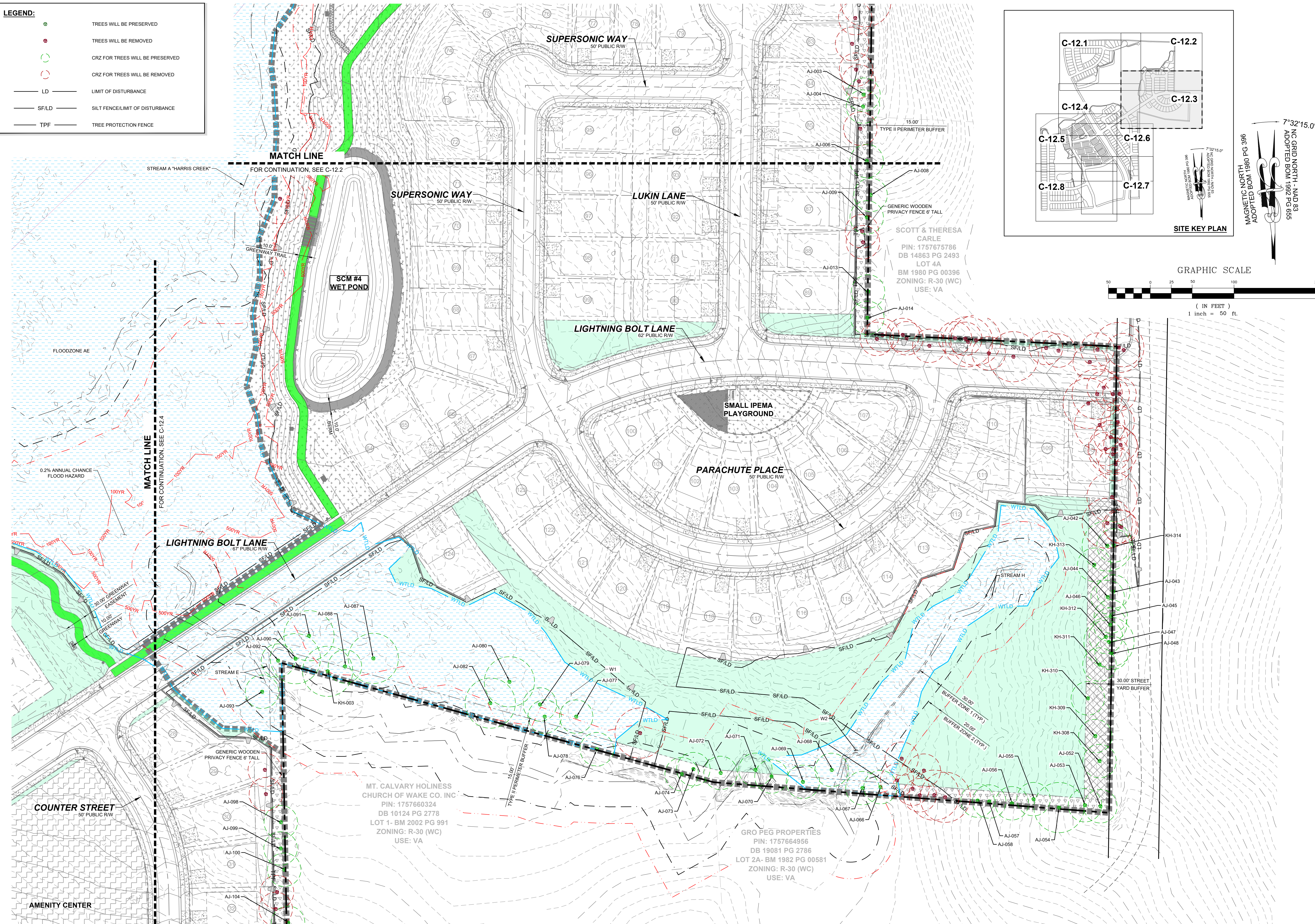
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PRESERVATION PLAN II

DRAWING SHEET

C-12.2

LEGEND:

	TREES WILL BE PRESERVED
	TREES WILL BE REMOVED
	CRZ FOR TREES WILL BE PRESERVED
	CRZ FOR TREES WILL BE REMOVED
	LD LIMIT OF DISTURBANCE
	SF/LD SILT FENCE/LIMIT OF DISTURBANCE
	TPF TREE PROTECTION FENCE



CONSTRUCTION INFRASTRUCTURE DRAWINGS				REVISIONS		BY
NO.	DESCRIPTION	DATE	BY	NO.	DESCRIPTION	DATE
01	CID-24-04	08/01/2024	SREG			
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG			
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG			
04	TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SREG			

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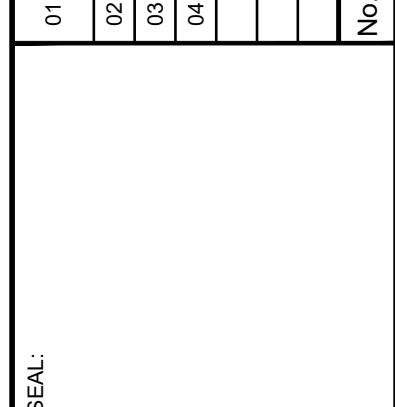
CONSTRUCTION PLANS

PRESERVATION PLAN III

DRAWING SHEET

C-12.3

181 OF 227



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LEGEND:

TREES WILL BE PRESERVED

TREES WILL BE REMOVED

CRZ FOR TREES WILL BE PRESERVED

CRZ FOR TREES WILL BE REMOVED

LD

SF/LD

TPF

LIMIT OF DISTURBANCE

SILT FENCE/LIMIT OF DISTURBANCE

TREE PROTECTION FENCE

The main site plan illustrates a residential development with various streets including GUARANTEED ALLEY, VEDDER LANE, LIGHTNING BOLT LANE, GIGATON STREET, PEARL JAM ALLEY, JONESVILLE RD, MOOKIE ALLEY, CAMERON SOUND ALLEY, DARK MATTER ALLEY, MCCREADY COURT, POCKET PARK I, POCKET PARK II, PENDULUM STREET, and BETTERMAN DRIVE. It also shows two wet ponds (SCM #7 and SCM #8), streams (I, G, J, W3, W4, W6), and an existing drained pond. Environmental features like 100-year flood lines (100YR), 10-foot boardwalks, and various buffers (10' and 30') are indicated. Match lines at the top and bottom refer to sheets C-12.4 and C-12.8 respectively.

The site key plan shows the project area (C-12.5) in relation to surrounding sheets C-12.1, C-12.2, C-12.3, C-12.4, C-12.6, C-12.7, and C-12.8. It includes a north arrow and a graphic scale of 1 inch = 50 feet.

CONSTRUCTION INFRASTRUCTURE DRAWINGS				REVISIONS		DATE
NO.	DESCRIPTION	DATE	BY			
01	CID-24-04	08/04/2024	SRG			
02	TOWN OF ROLESVILLE CID-24-04 V2	11/07/2024	SRG			
03	TOWN OF ROLESVILLE CID-24-04 V3	02/07/2024	SRG			
04	TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SRG			

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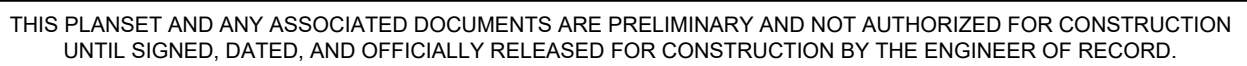
STRONG ROCK PROJECT PSP-24-03	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY SRG	DRAWN BY SRG	CHECKED BY SRG
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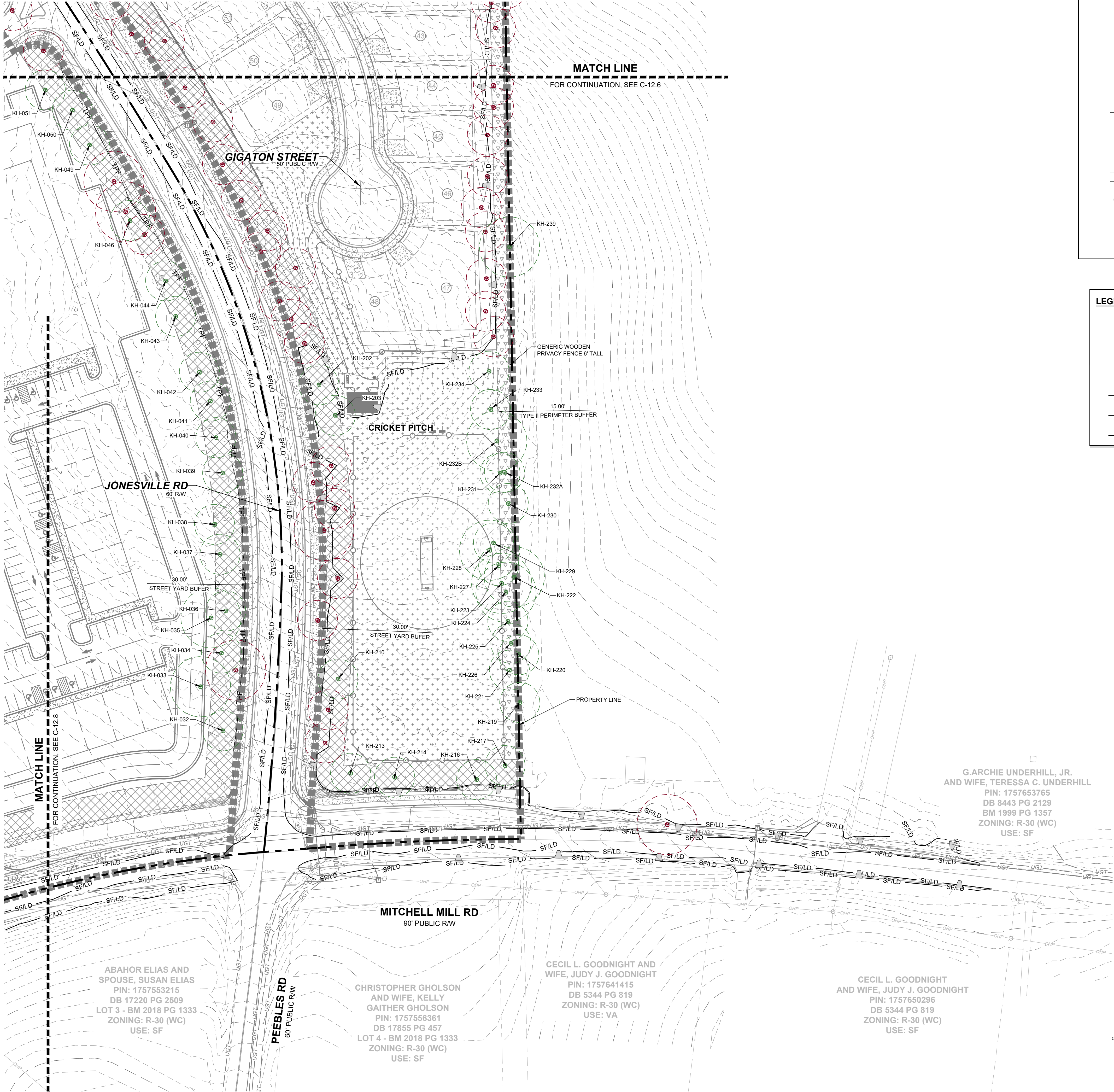
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PRESERVATION PLAN V

DRAWING
SHEET
C-12.5

183 OF 227

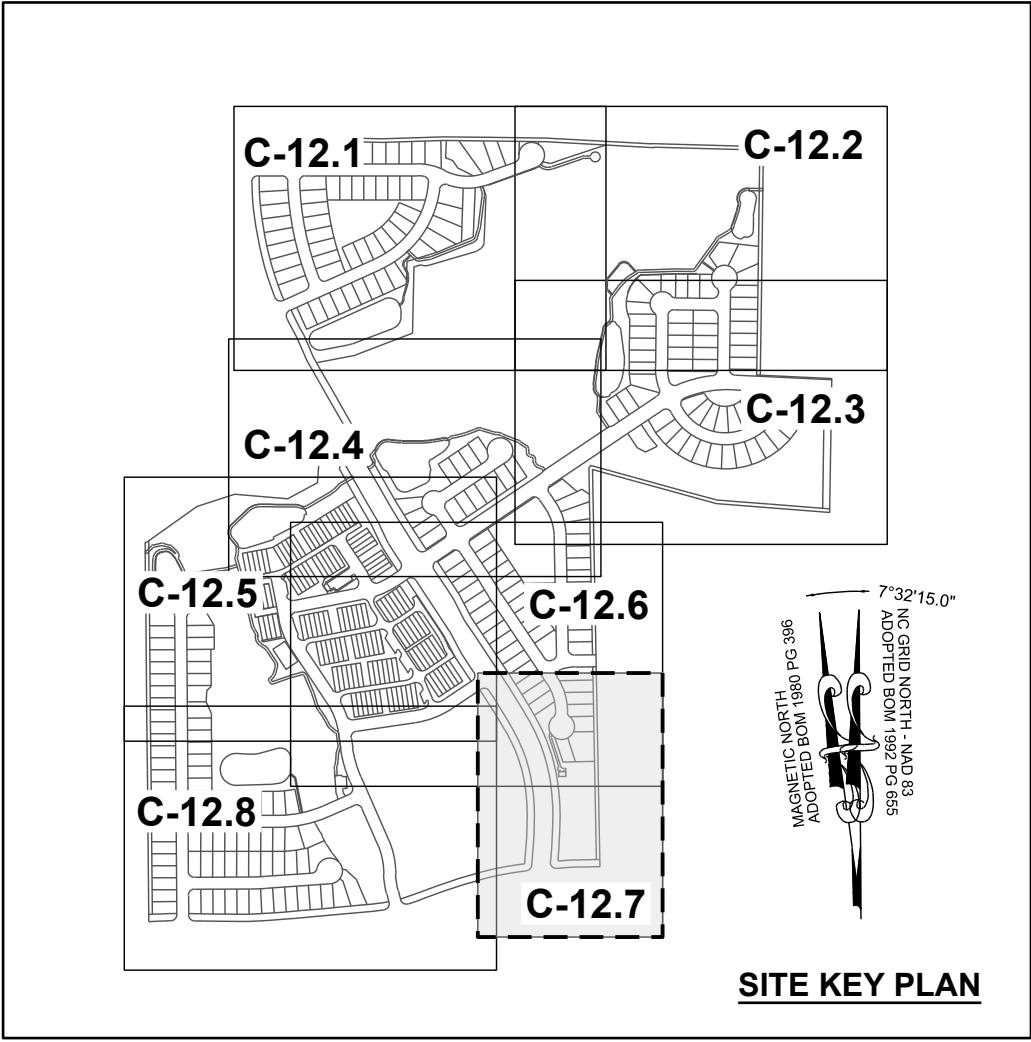
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LEGEND:

- Trees will be preserved
- Trees will be removed
- CRZ for trees will be preserved
- CRZ for trees will be removed
- LD - LIMIT OF DISTURBANCE
- SF/LD - SILT FENCE/LIMIT OF DISTURBANCE
- TPF - TREE PROTECTION FENCE



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STRONG ROCK PROJECT
PSP-24-03

NOT FOR
CONSTRUCTION

SCALE
AS SHOWN

DESIGNED BY
SRG

DRAWN BY
SRG

CHECKED BY
SRG

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PRESERVATION PLAN VII

DRAWING
SHEET
C-12.7

185 OF 227

SEAL:

01 02 03 04

CONSTRUCTION INFRASTRUCTURE DRAWINGS
CID-24-04
TOWN OF ROLESVILLE CID-24-04 V2
TOWN OF ROLESVILLE CID-24-04 V3
TOWN OF ROLESVILLE CID-24-04 V4

08/04/2024
11/07/2024
02/07/2024
08/02/2025

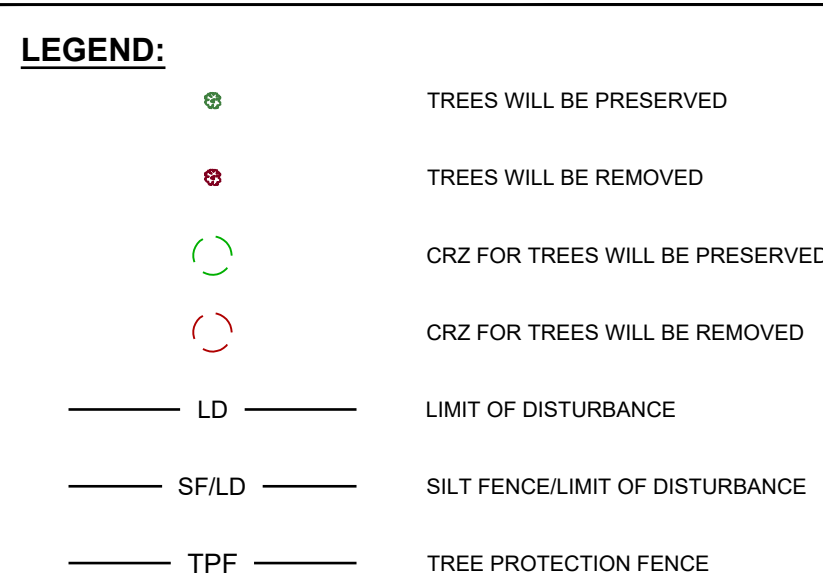
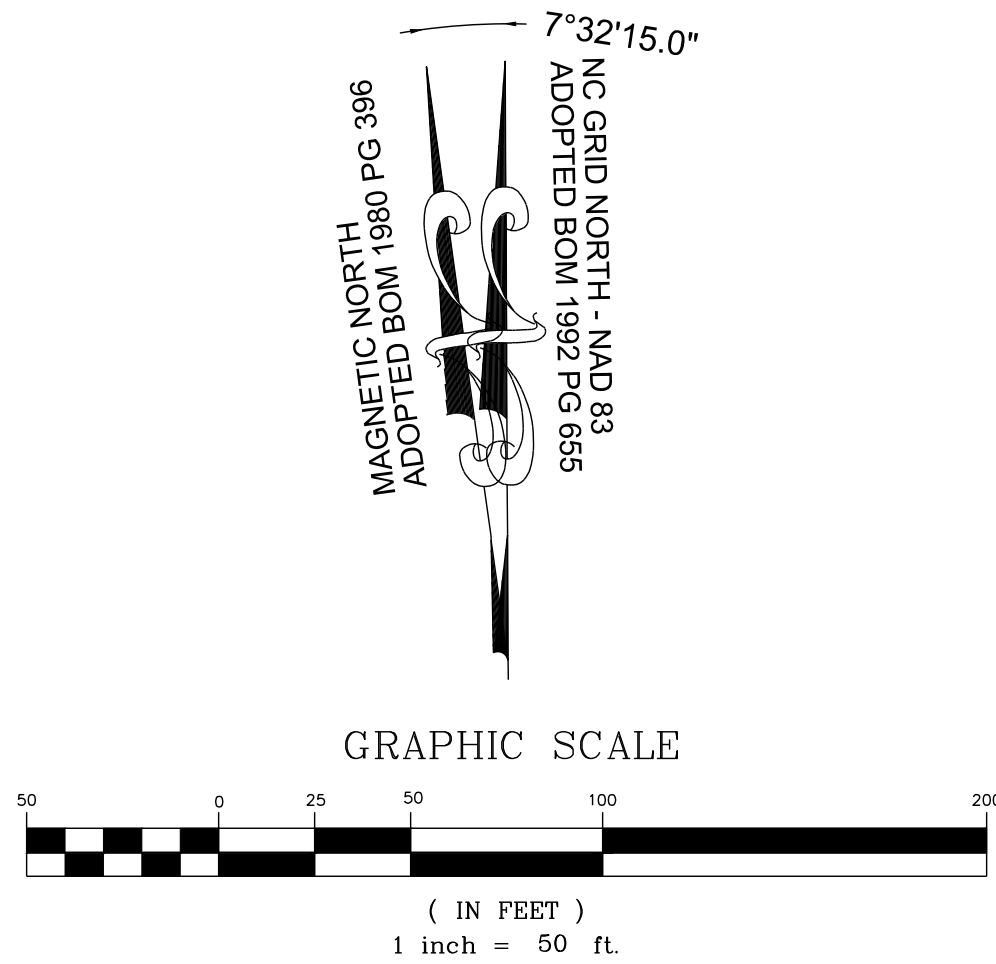
SRG
SRG
SRG

DATE

BY

REVISIONS

No.



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ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2168
1005 CHURCH AT NORTH HILLS STREET, SUITE 1110 KALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

CONSTRUCTION PLANS
PRESERVATION PLAN VIII

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- | | | |
|---------------------|---------------|------------------|
| SIGN | MUTCD STD. | SIZE |
| STOP | R1-1, R1-3P | 30"X30" |
| 20 MPH | R2-1 | 24"X30" |
| DEAD END | W14-1 | 30"X30" |
| STREET NAME | D3-1 | VARIES"X12" |
| PEDESTRIAN CROSSING | W11-2, W16-7P | 30"X30", 12"X24" |
| PARKING | | 24"X30" |

4. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AS REQUIRED BY THE TOWN OF ROLESVILLE, NCDOT STANDARDS AND SPECIFICATIONS.

No.	Revisions	Date	By
01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG

SEAL:

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STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
3005 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT PSP-23-03	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY SRG	DRAWN BY SRG	CHECKED BY SRG
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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

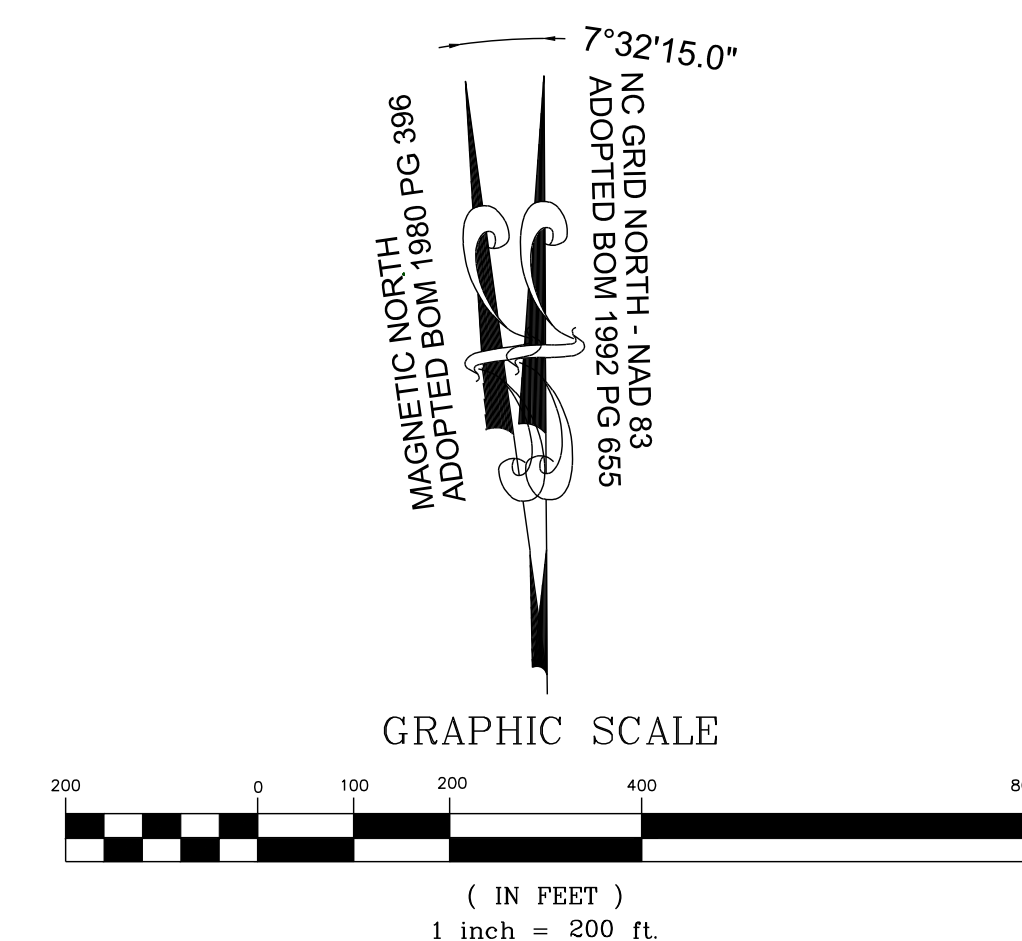
CONSTRUCTION PLANS

OVERALL SIGNAGE & PAVEMENT MARKING PLAN

DRAWING SHEET

C-13.0

188 OF 227



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DRAWING SHEET

C-13.1

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

PARTIAL SIGNAGE & PAVEMENT MARKING PLAN I

STRONG ROCK PROJECT
PSP-23-03
NOT FOR CONSTRUCTION

SCALE AS SHOWN

DESIGNED BY SRG

DRAWN BY SRG

CHECKED BY SRG

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01

CONSTRUCTION INFRASTRUCTURE DRAWINGS
CID-24-04

BREG

06/04/2024

02

TOWN OF ROLESVILLE CID-24-04 V2

BREG

11/01/2024

03

TOWN OF ROLESVILLE CID-24-04 V3

BREG

02/01/2024

04

TOWN OF ROLESVILLE CID-24-04 V4

BREG

06/02/2025

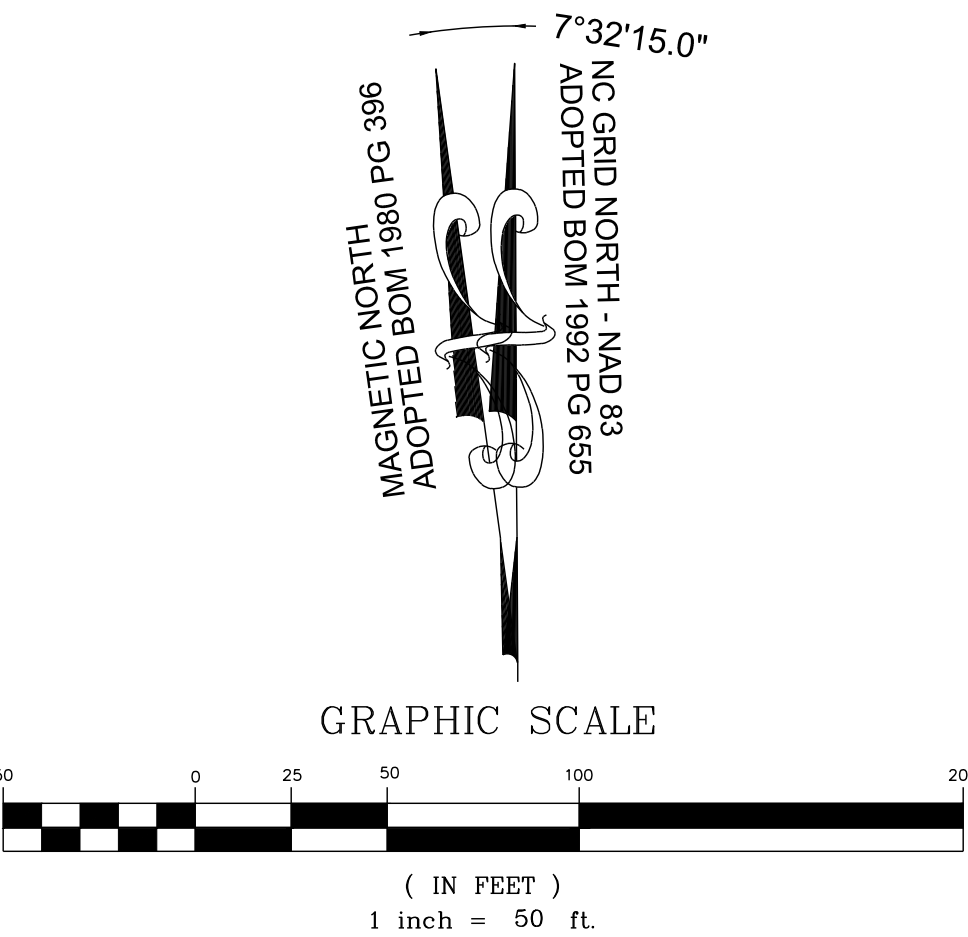
No.

REVISIONS

DATE

BY

189 OF 227

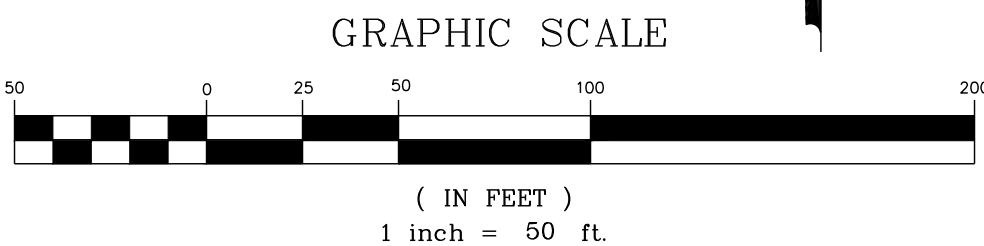
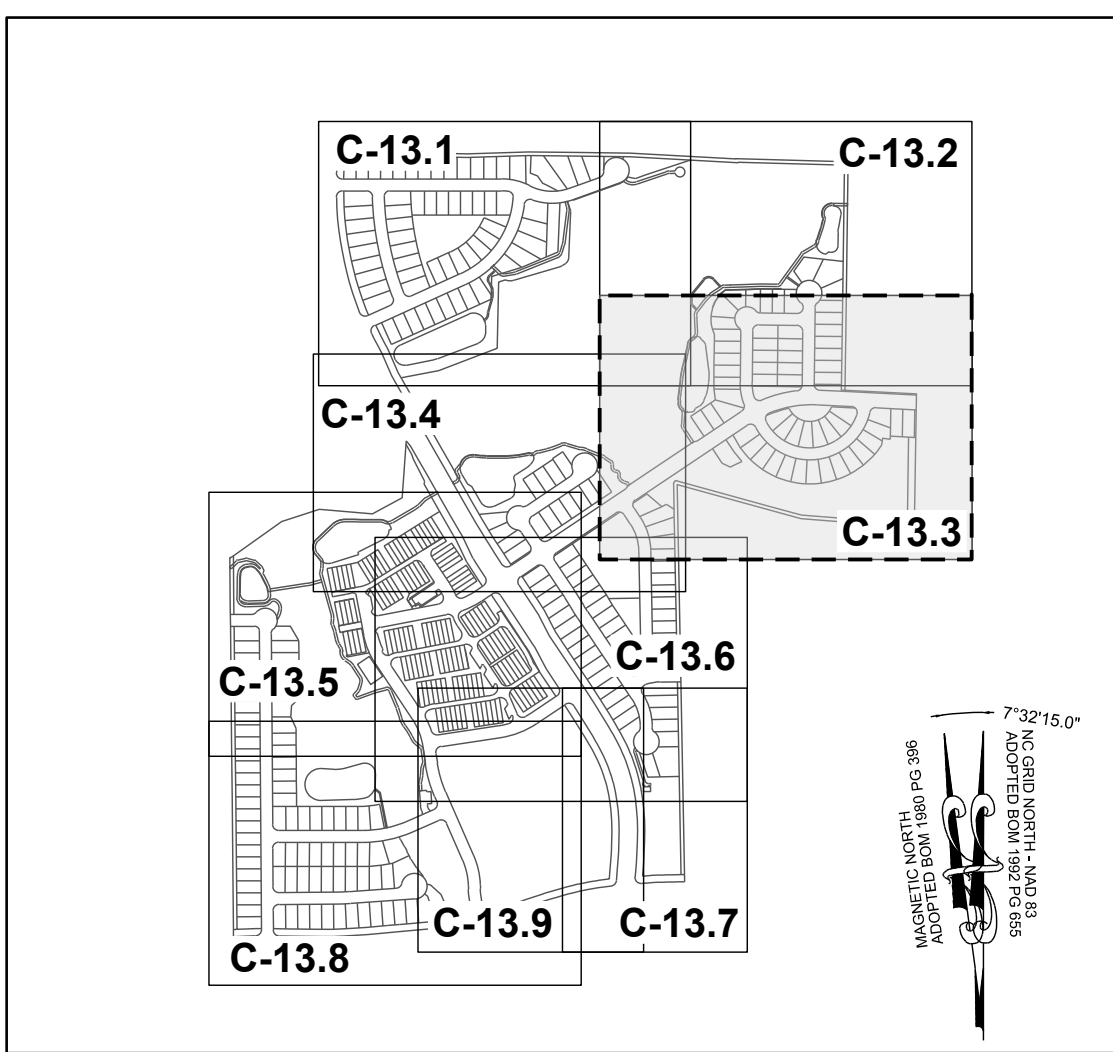
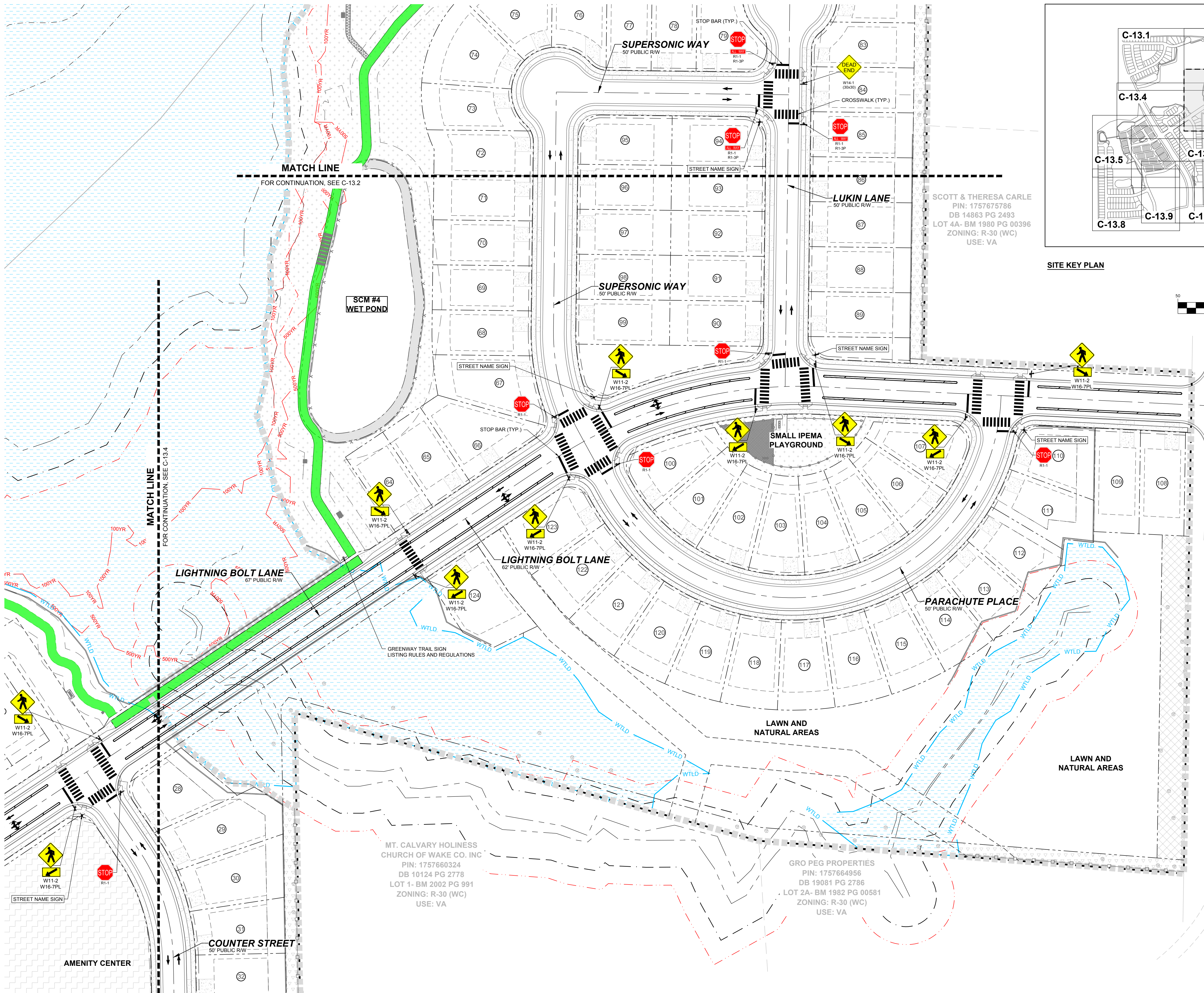


GRO PEG RD
60' PRIVATE R/W
RECORDED BOOK OF MAPS
1980 PAGE 396

SCOTT & THERESA CARLE
PIN: 1757675786
DB 14863 PG 2493
LOT 4A- BM 1980 PG 00396
ZONING: R-30 (WC)
USE: VA

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	DRAWING SHEET	C-13.2	190 OF 227
RESERVE @ MITCHELL MILL TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA CONSTRUCTION PLANS PARTIAL SIGNAGE & PAVEMENT MARKING PLAN II			
STRONG ROCK PROJECT PSP-23-03	DESIGNED BY SRG	DRAWN BY SRG	CHECKED BY SRG
NOT FOR CONSTRUCTION	SCALE AS SHOWN		
			
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STRONG ROCK ENGINEERING GROUP, PLLC COMPANY LICENSE # P-2168			
SEAL:			
01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	SREGS	06/04/2024
02	TOWN OF ROLESVILLE CID-24-04 V2	SREGS	11/01/2024
03	TOWN OF ROLESVILLE CID-24-04 V3	SREGS	02/01/2024
04	TOWN OF ROLESVILLE CID-24-04 V4	SREGS	06/02/2025
No.	REVISIONS	DATE	BY



GRO PEG ROAD
60' PRIVATE EAV
RECORDED BOOK OF MAPS 1980 PAGE 396

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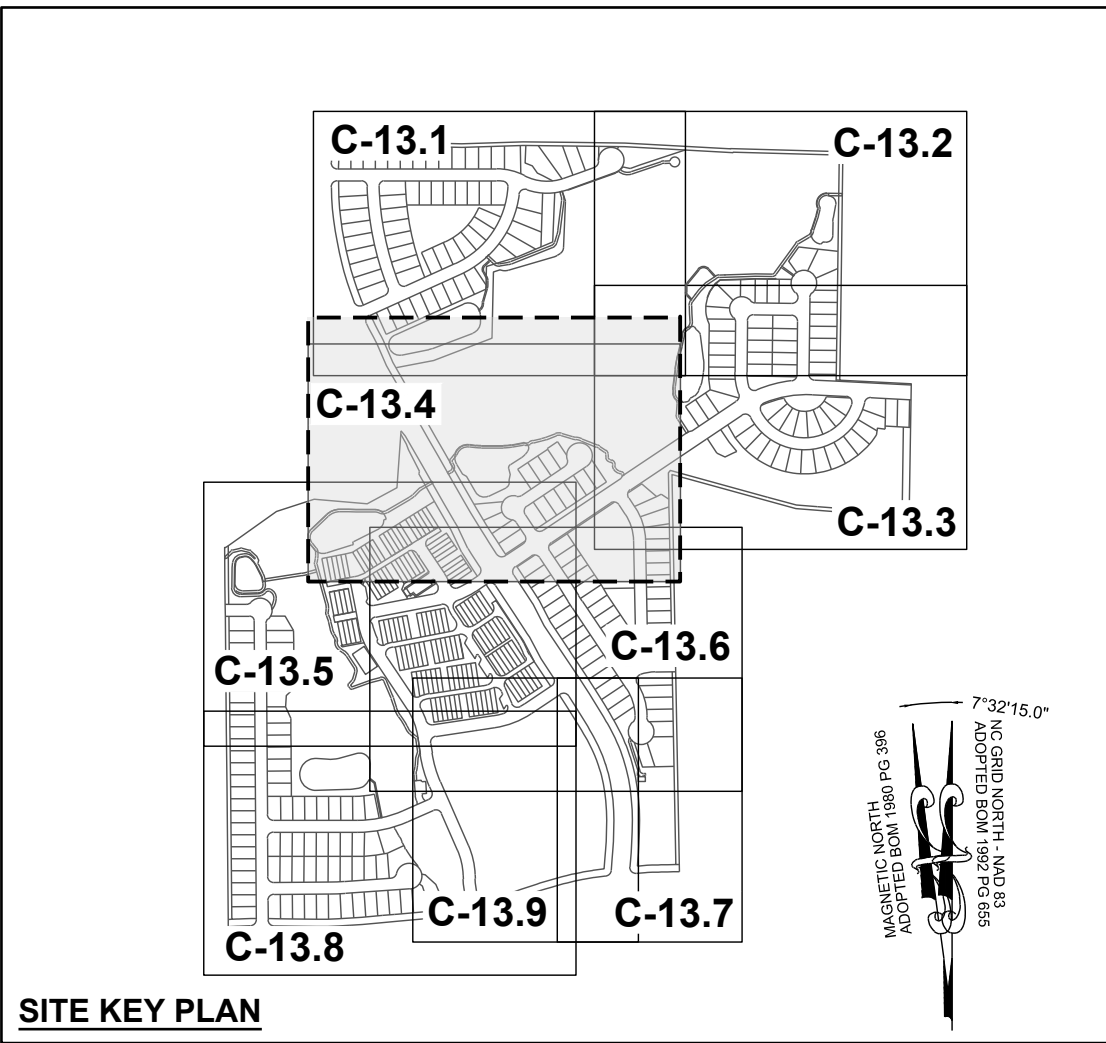
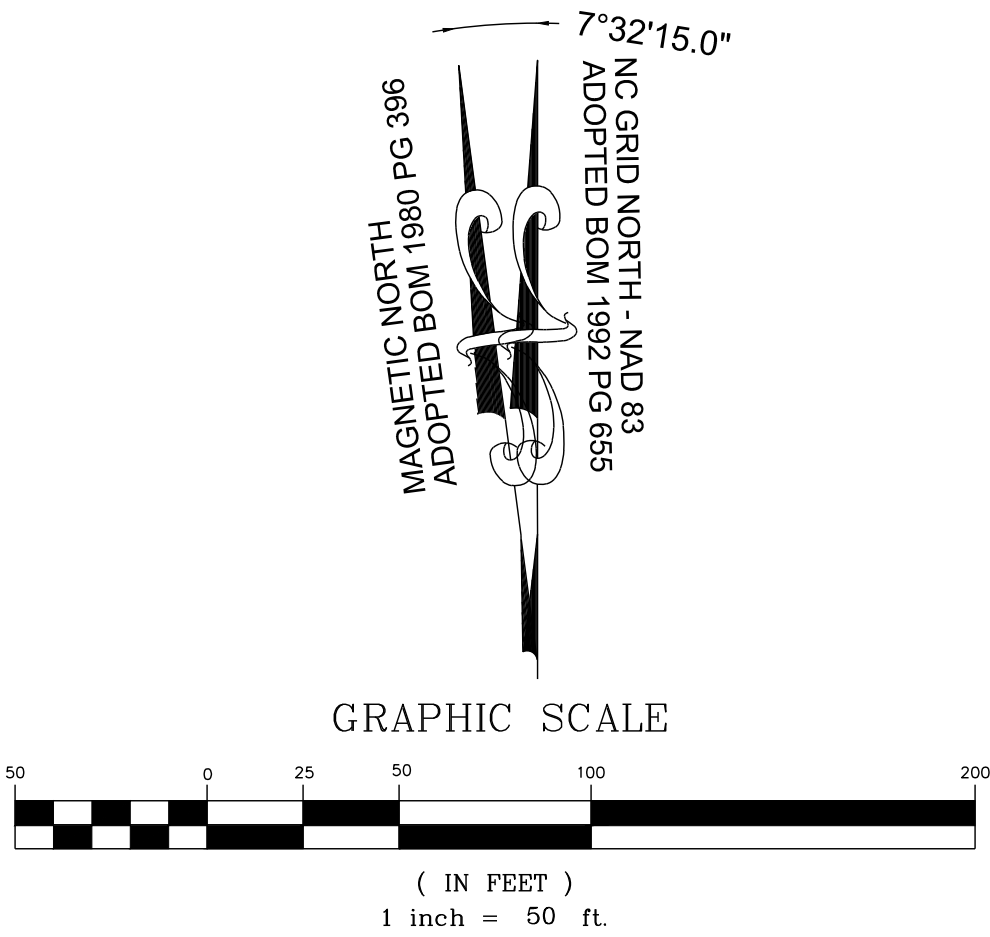
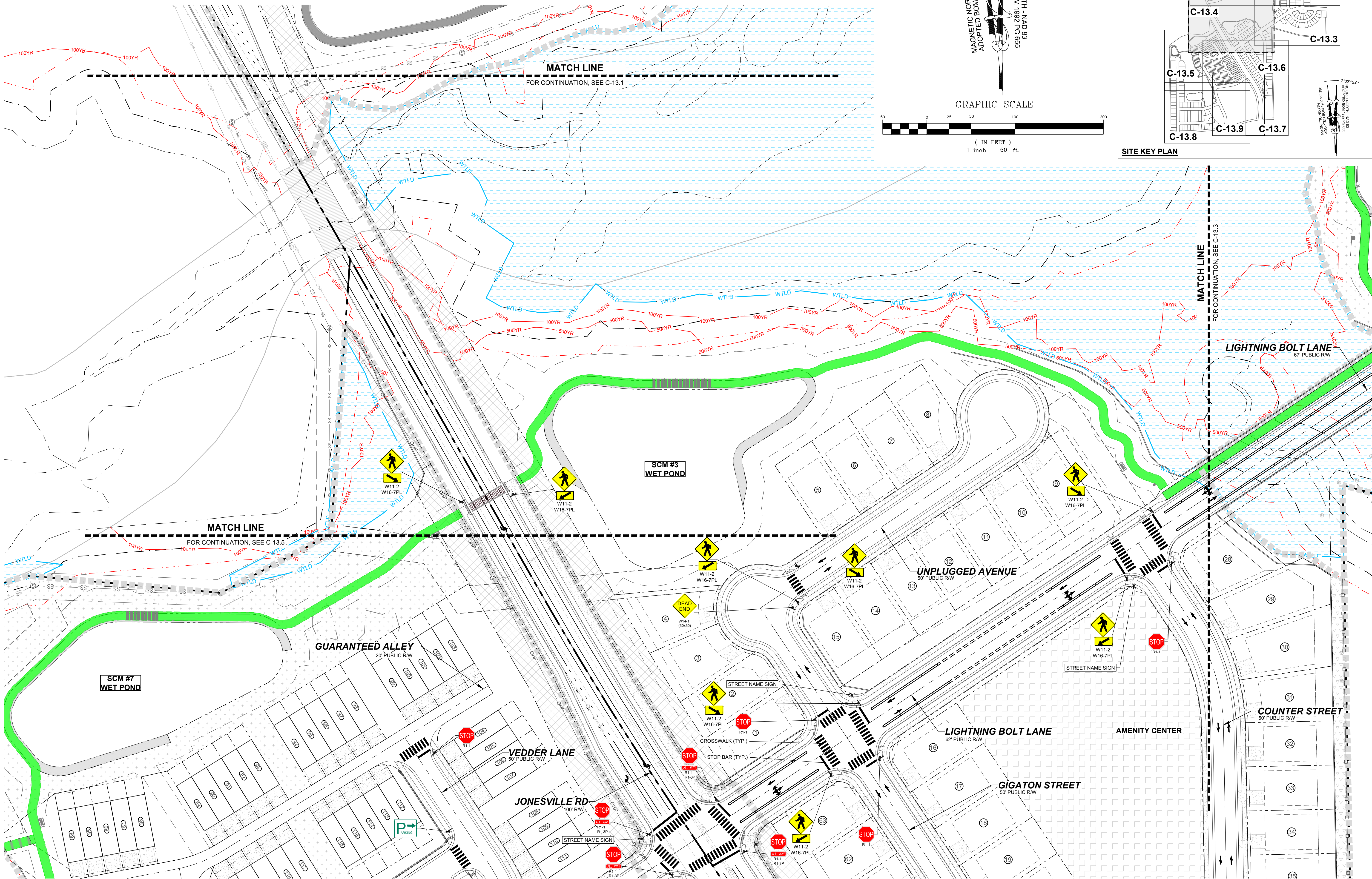
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STRONG ROCK PROJECT PSP-23-03	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY SRG	DRAWN BY SRG	CHECKED BY SRG
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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL SIGNAGE & PAVEMENT
MARKING PLAN III

DRAWING
SHEET

C-13.3



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CONSTRUCTION PLANS

PARTIAL SIGNAGE &
PAVEMENT MARKING PLAN IV

DRAWING SHEET

C-13.4

192 OF 227

CONSTRUCTION INFRASTRUCTURE DRAWINGS	08/04/2024	SRG	BY
CID-24-04	11/07/2024	SRG	DATE
TOWN OF ROLESVILLE CID-24-04 V2	02/07/2024	SRG	
TOWN OF ROLESVILLE CID-24-04 V3	08/02/2025	SRG	
TOWN OF ROLESVILLE CID-24-04 V4			
No.		REVISIONS	

STRONG ROCK PROJECT
PSP-23-03

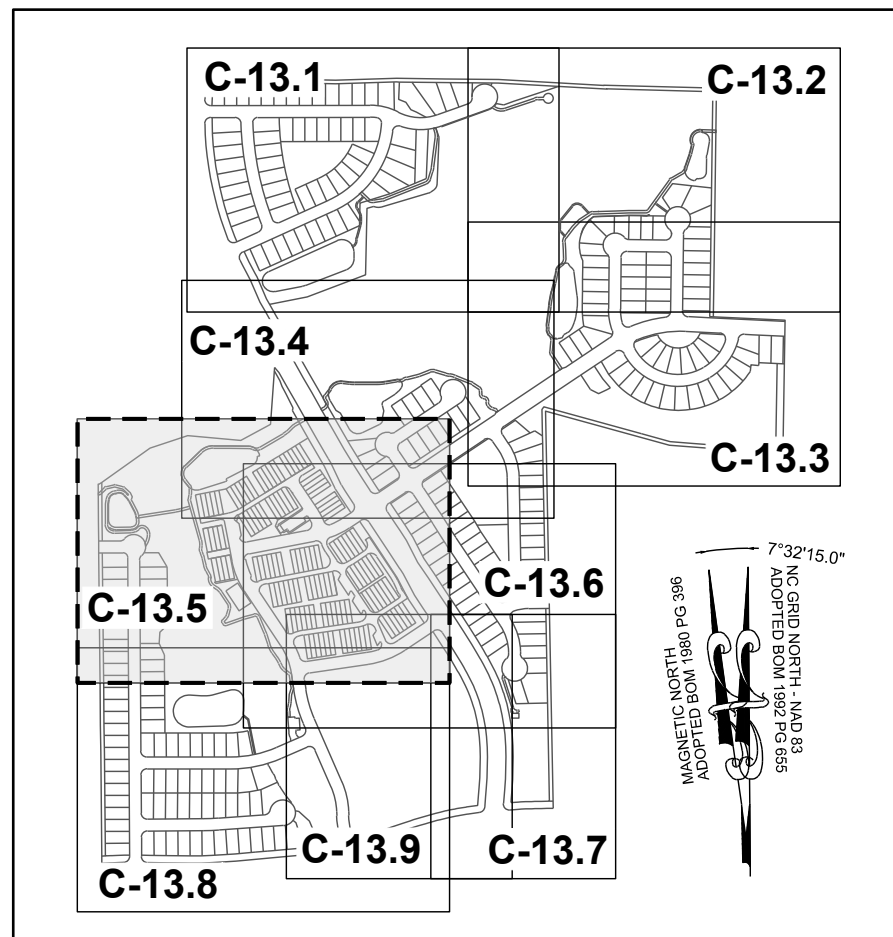
NOT FOR
CONSTRUCTION

SCALE
AS SHOWN

DESIGNED BY
SRG

DRAWN BY
SRG

CHECKED BY
SRG



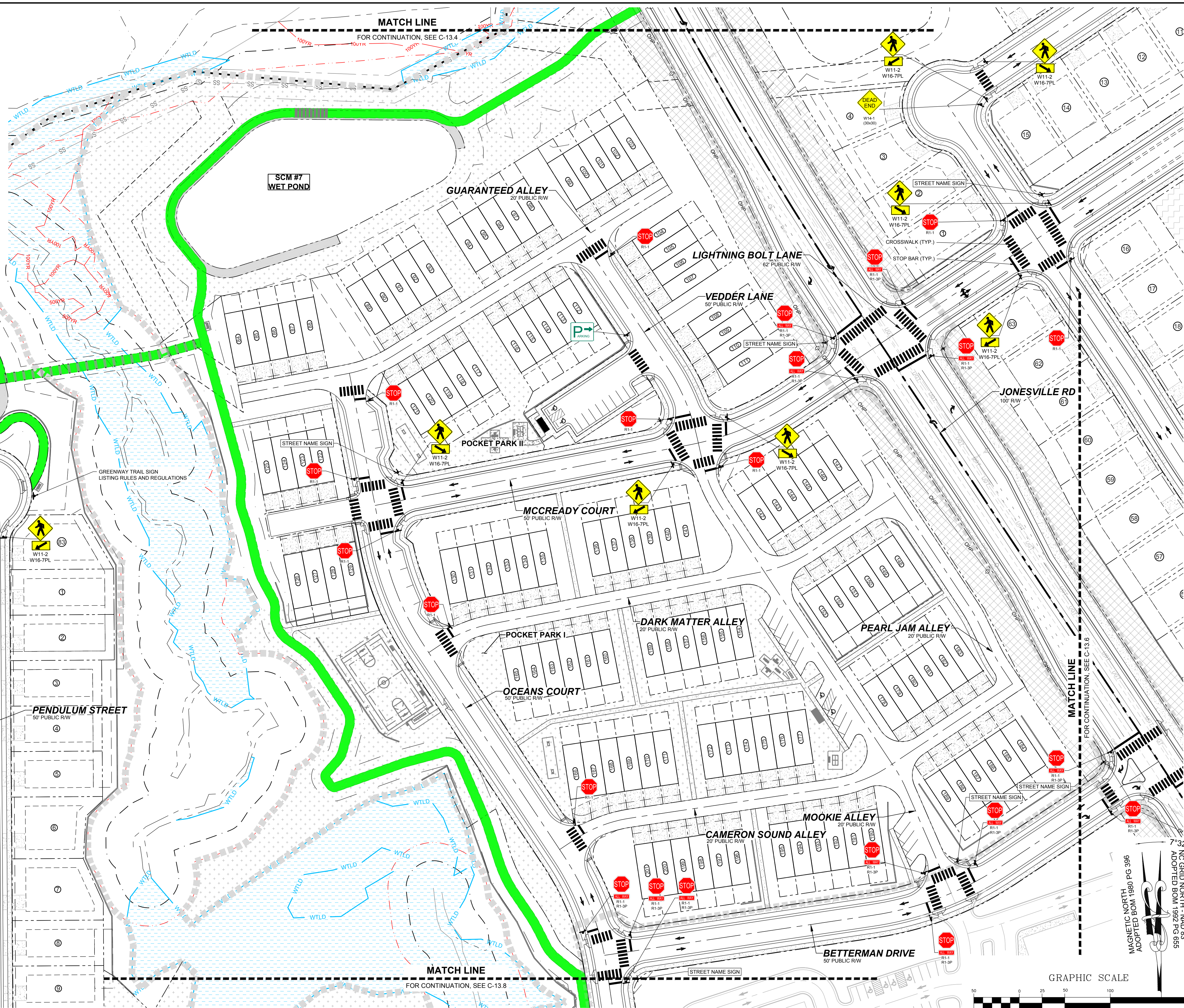
SITE KEY PLAN

KENNETH INVESTMENT LLC.
PIN: 1757368816
DB 19248 PG 1884
ZONING: R-30 (WC)
USE: VA

GREENWAY TRAIL SIGN
LISTING RULES AND
REGULATIONS

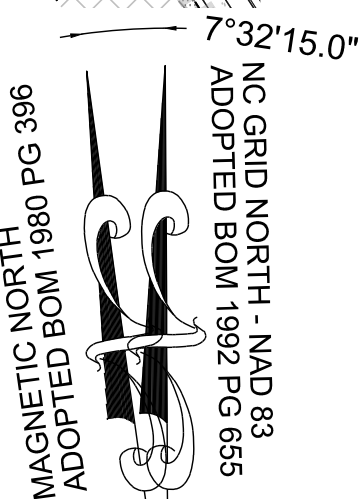
DEAD END
W14-1
(30x30)
TYPE III BARRICADES (TYP.)

MEGAN KULAWIAK
PIN: 1757367367
DB 16226 PG 1133
LOT 6
BM 1990 PG 00387
ZONING: R-30 (WC)
USE: VA



MATCH LINE
FOR CONTINUATION, SEE C-13.6

MATCH LINE
FOR CONTINUATION, SEE C-13.8



GRAPHIC SCALE



(IN FEET)
1 inch = 50 ft.

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CONSTRUCTION INFRASTRUCTURE DRAWINGS				REVISIONS		DATE	BY
No.	DESCRIPTION	DATE	BY	No.	DESCRIPTION		
01		08/04/2024	SREG				
02	TOWN OF ROLESVILLE CID-24-04 V2	11/07/2024	SREG				
03	TOWN OF ROLESVILLE CID-24-04 V3	02/07/2024	SREG				
04	TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SREG				

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STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166

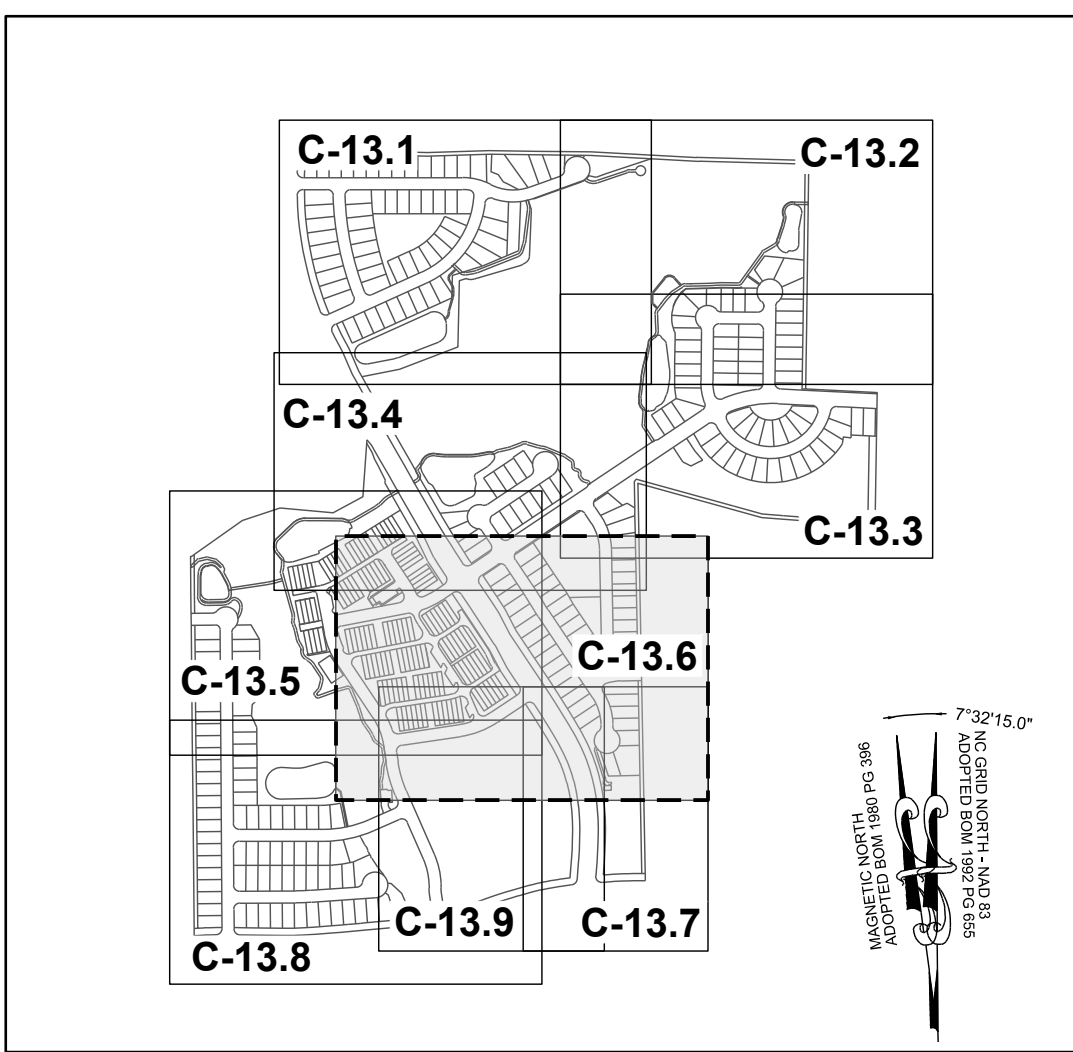
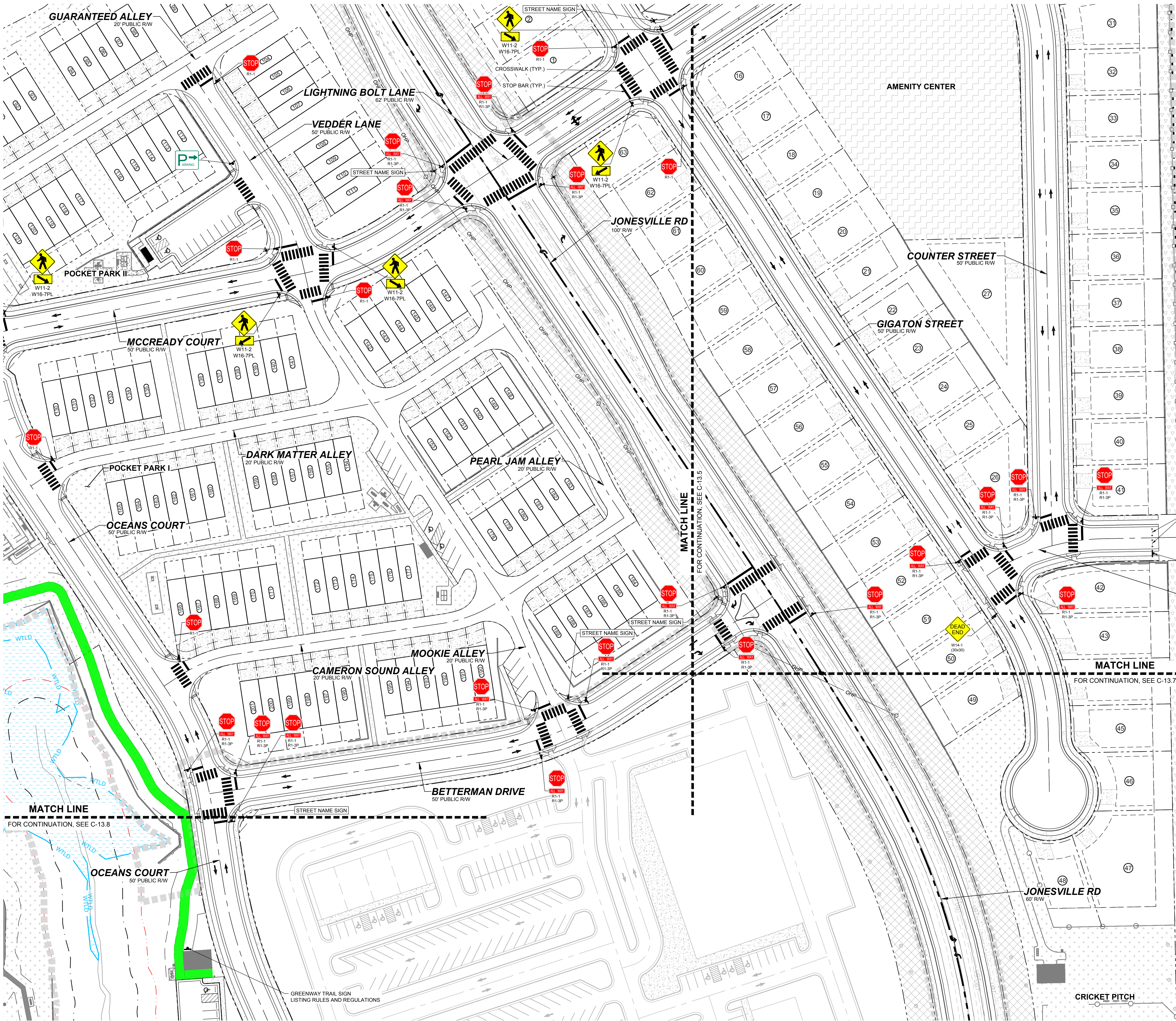
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	DESIGNED BY	DRAWN BY	CHECKED BY
PSP-24-03	SRG	SRG	SRG
NOT FOR CONSTRUCTION			
SCALE AS SHOWN			

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL SIGNAGE & PAVEMENT
MARKING PLAN V

DRAWING
SHEET

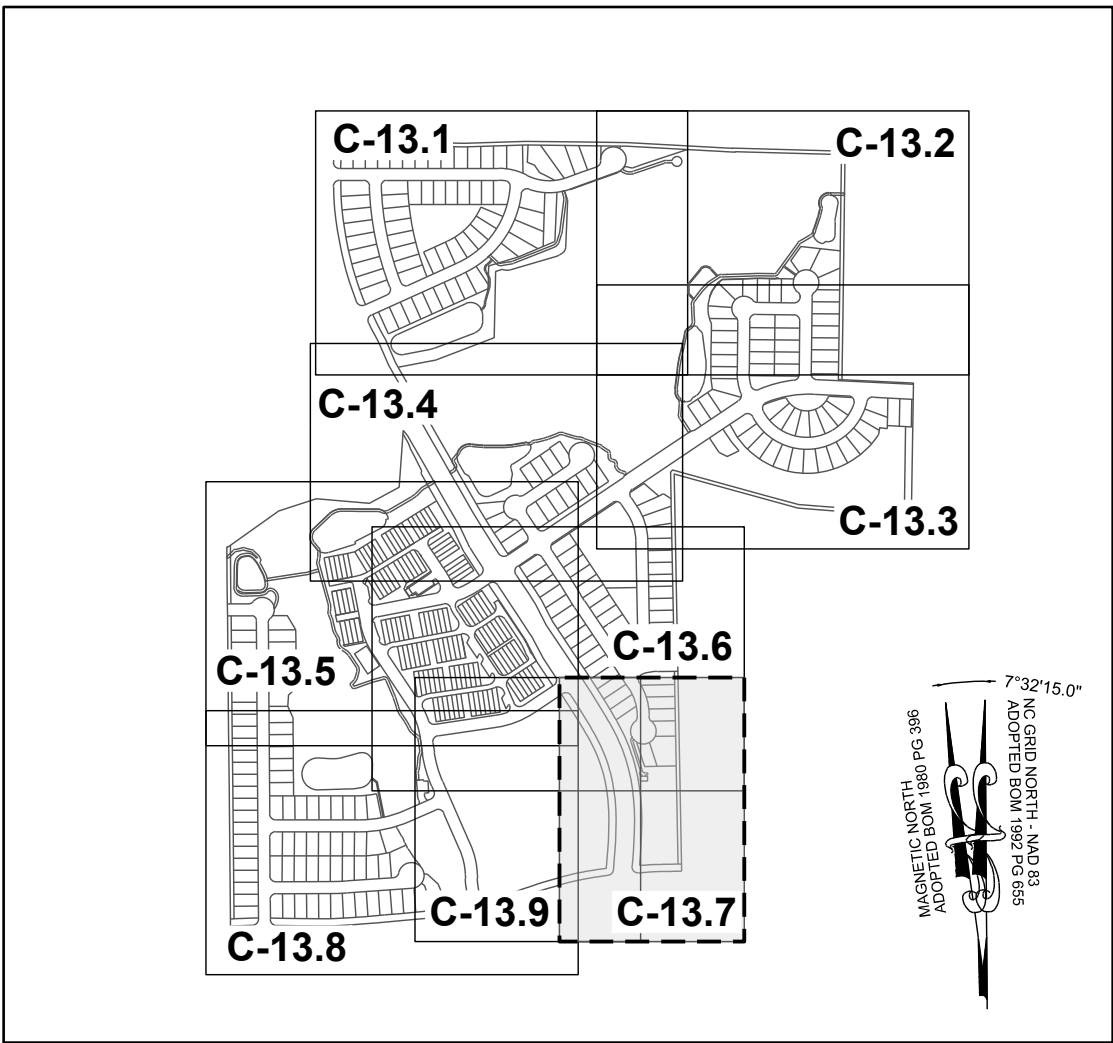
C-13.5



SITE KEY PLAN



STRONGROCK ENGINEERING GROUP 305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 INFORMATION@STRONGROCKGROUP.COM		SEAL: 01 02 03 04 No.	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04 TOWN OF ROLESVILLE CID-24-04 V2 TOWN OF ROLESVILLE CID-24-04 V3 TOWN OF ROLESVILLE CID-24-04 V4 08/02/2025	DATE REVISIONS	BY
RESERVE @ MITCHELL MILL TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA CONSTRUCTION PLANS PARTIAL SIGNAGE & PAVEMENT MARKING PLAN VI		DRAWING SHEET C-13.6			
194 OF 227		THIS PLANSET AND ANY ASSOCIATED DOCUMENTS ARE PRELIMINARY AND NOT AUTHORIZED FOR CONSTRUCTION UNTIL SIGNED, DATED, AND OFFICIALLY RELEASED FOR CONSTRUCTION BY THE ENGINEER OF RECORD.			



7° 32' 15.0"

MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

NC GRID NORTH - NAD 83
ADOPTED BOM 1992 PG 655

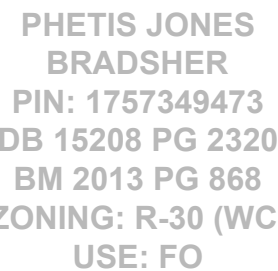
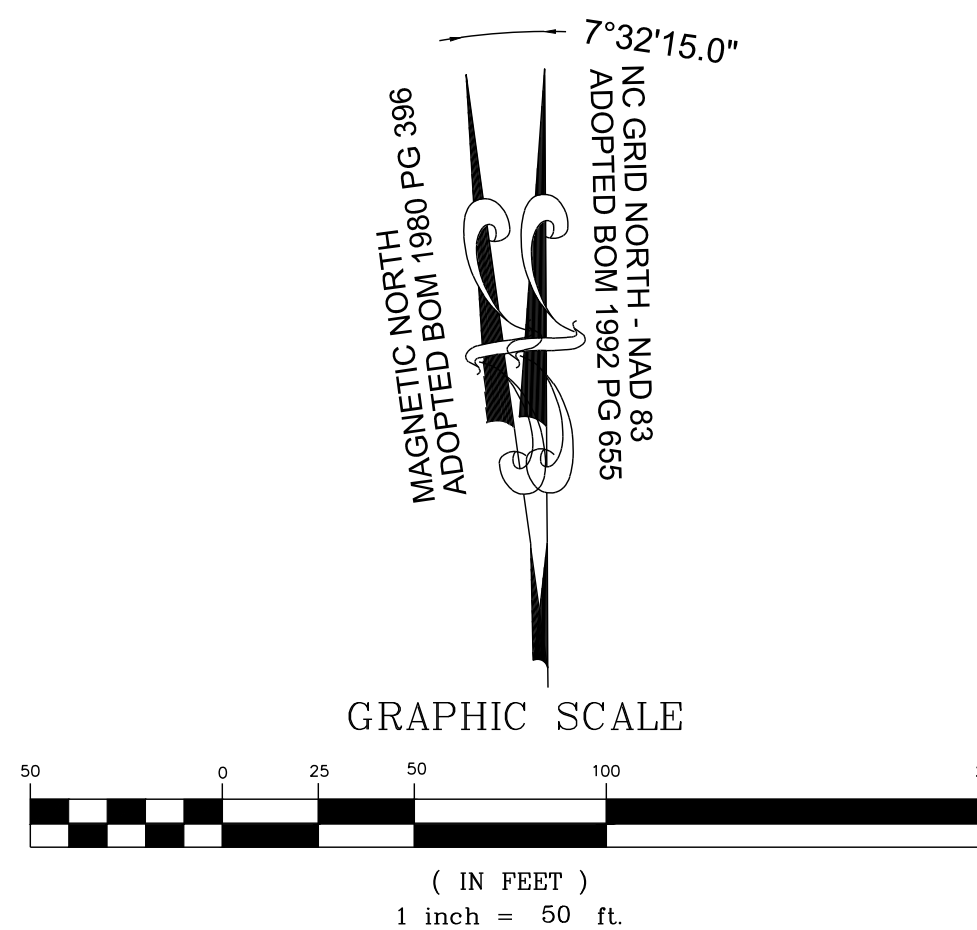
GRAPHIC SCALE

0 50 100 200

(IN FEET)

1 inch = 50 ft.

STRONGROCK ENGINEERING GROUP STRONG ROCK ENGINEERING GROUP, PLLC COMPANY LICENSE # P-2168 305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 INFORMATION@STRONGROCKGROUP.COM	STRONG ROCK PROJECT PSP-23-03	DESIGNED BY SRG	01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	SRGEG	06/04/2024
	NOT FOR CONSTRUCTION	DRAWN BY SRG	02	TOWN OF ROLESVILLE CID-24-04 V2	SRGEG	11/01/2024
	SCALE AS SHOWN	CHECKED BY SRG	03	TOWN OF ROLESVILLE CID-24-04 V3	SRGEG	02/01/2024
			04	TOWN OF ROLESVILLE CID-24-04 V4	SRGEG	06/02/2025
DRAWING SHEET C-13.7	RESERVE @ MITCHELL MILL TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA CONSTRUCTION PLANS PARTIAL SIGNAGE & PAVEMENT MARKING PLAN VII	No	REVISIONS	DATE	BY	
195 OF 227						



CURTIS L. HONEYCUTT
AND WIFE TODD
KENDALL
PIN: 1757540996
DB 19269 PG 2474
LOT 1 - BM 2018 PG 1333
ZONING: R-30 (WC)
USE: SF

TODD KENDALL
HONEYCUTT
PIN: 1757551202
DB 13474 PG 1974
LOT 2 - BM 2018 PG 1333
ZONING: R-30 (WC)
USE: SF

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STRONG ROCK PROJECT PSP-23-03	NOT FOR CONSTRUCTION	SCALE	AS SHOWN	DESIGNED BY	SRG	DRAWN BY	SRG	CHECKED BY	SRG
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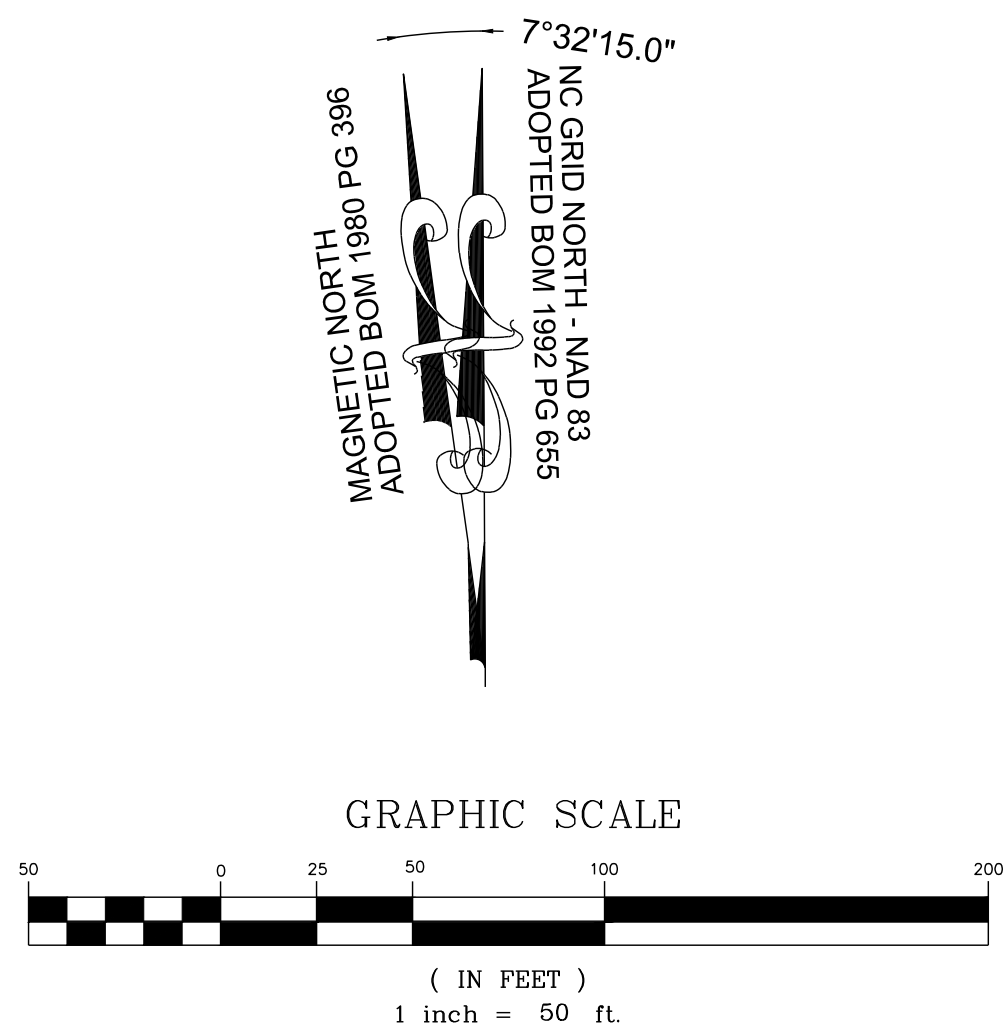
RESERVE @ MITCHELL MILL
TOWN OF ROLLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

PARTIAL SIGNAGE & PAVEMENT MARKING PLAN VIII

DRAWING
SHEET

C-13.8

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The site plan illustrates a commercial development with the following features:

- Streets and Right-of-Way (R/W):**
 - MOOKIE ALLEY:** 20' PUBLIC R/W
 - CAMERON SOUND ALLEY:** 20' PUBLIC R/W
 - BETTERMAN DRIVE:** 50' PUBLIC R/W
 - EVEN FLOW LANE:** 50' PUBLIC R/W
 - OCEANS COURT:** 50' PUBLIC R/W
 - YELLOW MOON COURT:** 50' PUBLIC R/W
 - JONESVILLE RD:** 60' R/W
 - MITCHELL MILL RD.:** 60' PUBLIC R/W
 - PEEBLES RD.:** 60' PUBLIC R/W
- Proposed Signage:**
 - STOP Signs:** Multiple red octagonal stop signs with "STOP" and "R1-1" or "R1-3P" text.
 - STREET NAME SIGNS:** Rectangular signs for street names.
 - GREENWAY TRAIL SIGN:** A sign listing rules and regulations.
 - DEAD END SIGN:** A yellow diamond-shaped sign.
 - STOP BAR (TYP.) CROSSWALK (TYP.):** A sign for a crosswalk.
- Other Features:**
 - COMMERCIAL SITE (SEPARATE CID SUBMITTAL):** The central area of the development.
 - Parking Lots:** Various parking areas with diagonal hatching.
 - Greenway:** A green highlighted path on the left side.
 - Utility Lines:** Labeled as UGT (Utility Gas Transmission), UG (Utility Gas), and OHP (Overhead Power).
 - Lot Numbers:** 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

ABAHOR ELIAS AND SPOUSE, SUSAN ELIAS
 PIN: 1757553215
 DB 17220 PG 2509
 LOT 3 - BM 2018 PG 1333
 ZONING: R-30 (WC)
 USE: SF

01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG
No	REVISIONS	DATE	BY

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www.superioraluminum.com

/✓ SELECT DESIRED FINISH:

- ☐ WHITE
- ☐ BLACK
- ☐ DARK BRONZE

LEGEND

- ① #W25 TOP RAIL (1-1/2\"/>

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONSULTANTS, DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. IF ANY INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 5311-010

2

ECONOMY PICKET RAILING

SERIES BC: 2 LINE RAILING SYSTEM (STYLE A)

REVISION DATE: 2027/02/02Z

5311-010

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site furnishings

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PARIS, OH NSL 445
PHONE: (519) 442-2424
www.knillcustomfab.com

9" 6" 8" ACCESS HOLE IN BASE PLATE ANCHORING SLOTS, 4 PLACES

INSTALLATION PLAN

15.5" 11.5" 19" 11"

PLAN

31.1" OVERALL 19.6" 11.5" SQUARE

TYPICAL REUSABLE WATER BOTTLE

RECESSED ACTIVATOR

63"

SIDE ELEVATION

ACCESSIBLE MODULE (A04/ OBC COMPLIANT)

BASE MODULE MAIN HOUSING

36" 28"

FRONT ELEVATION

SPECIFICATIONS
MATERIAL: RUGGED 11 GA. STAINLESS STEEL HOUSING WITH POLYESTER POWDER TOP COAT
MANUFACTURER'S NOTES
1. KNILL FABRICATION LTD. MAINTAINS A POLICY OF CONTINUOUS PRODUCT IMPROVEMENT. AS A RESULT, SOME DETAILS MAY CHANGE WITHOUT NOTICE.
NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
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5. CONTRACTORS MUST FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 5436-077.

3.1 DRINKING FOUNTAINS AND BOTTLE FILLING STATIONS
(350040) THE ATHABASCA - BOTTLE FILLING STATION, WITH ACCESSIBLE DRINKING MODULE

5436-077
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REVISION DATE: 15/08/2022
CADdetails.com

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80 BUSINESS PARK DRIVE, SUITE 300
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FAX: (914) 273-8659
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5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADDetails.com/info AND ENTER REFERENCE NUMBER 312-005

5

D-1.0

ENGINEERED WOOD FIBER PLAYGROUND SAFETY SURFACING

SYSTEM 300, N.T.S.

312-005

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REVISION DATE 21/06/2020

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[illegible]

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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

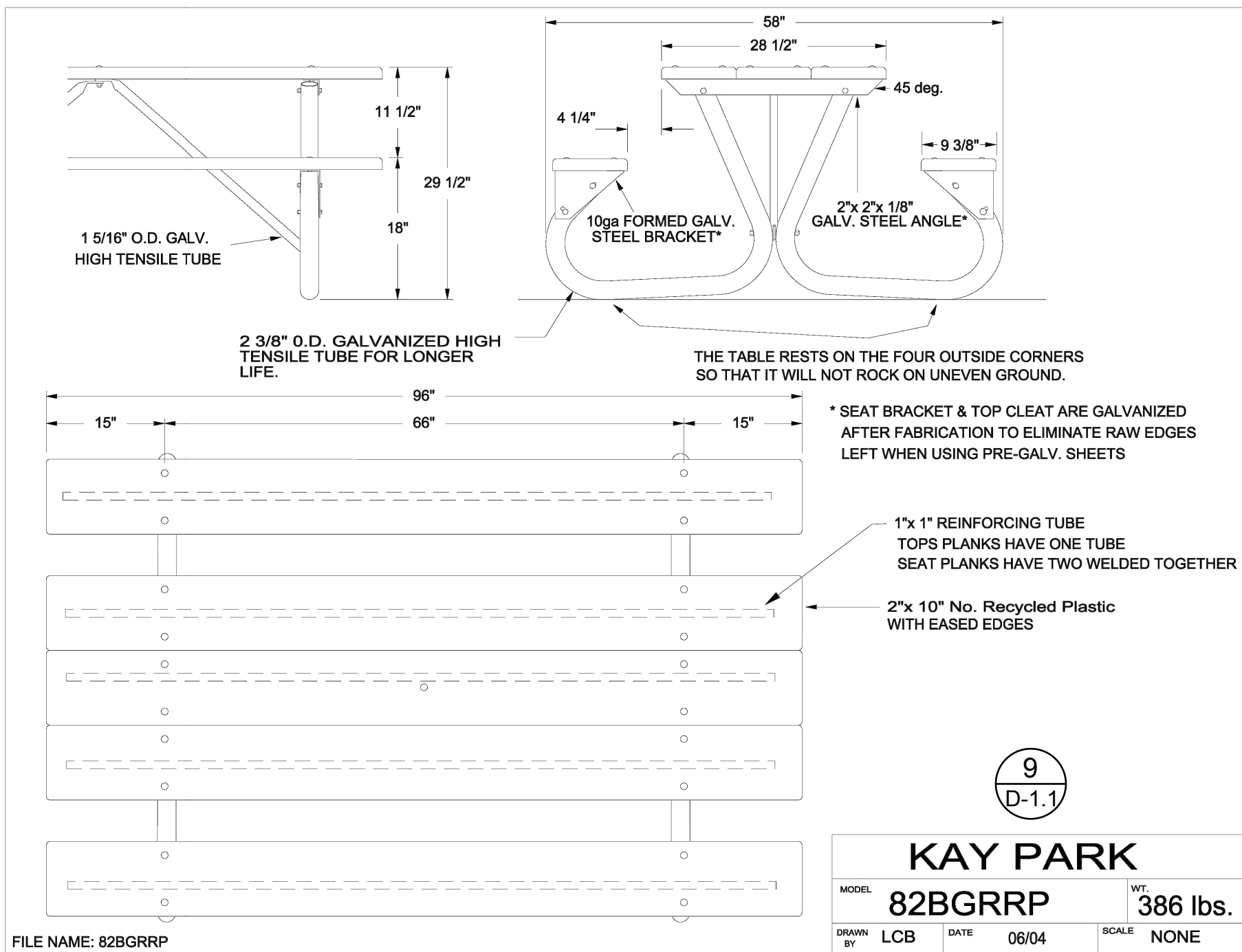
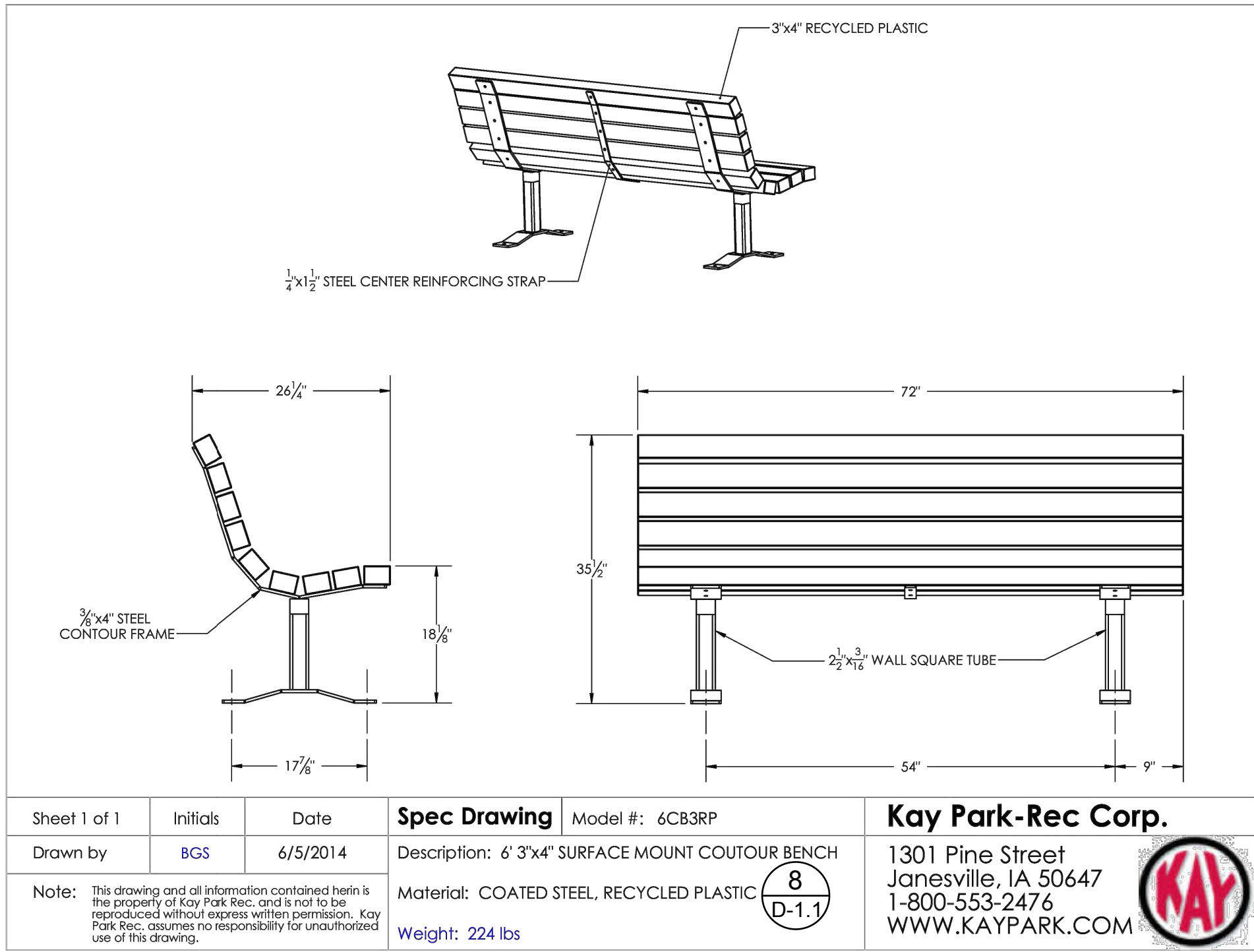
CONSTRUCTION PLANS

AMENITIES DETAILS

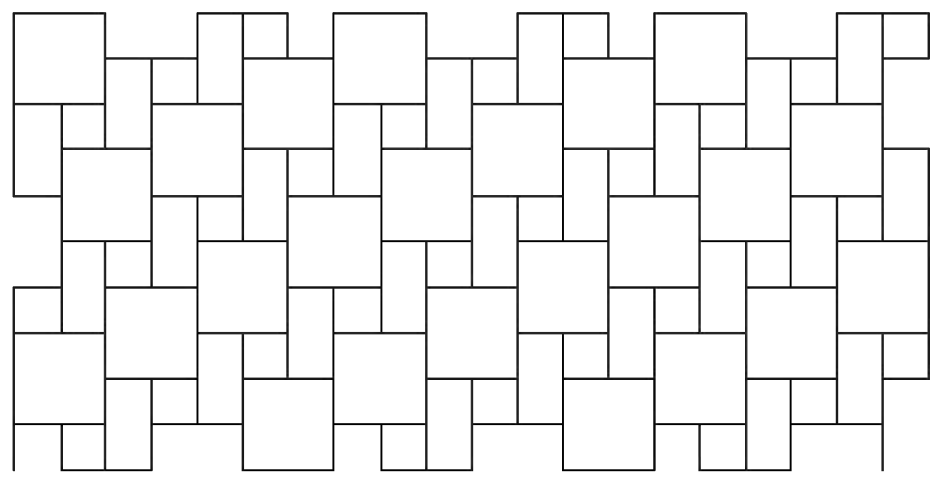
AMENITIES DETAILS

DRAWING
SHEET

D-1.0



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TOLL FREE: 1-888-434-8611
PHONE: (704) 996-7248
FAX: (215) 893-4827
www.patternpaving.com



PLAN VIEW

5' X 10' ASPHALT CABLE STAMPING TEMPLATE
BRICK SIZES ARE: 6" X 6" TO 12" X 12" (15.25CM X 15.25CM TO 30.50CM X 30.50CM)
PATTERN IS WOVEN TILE WITH 3/8" (.75CM) MORTAR

- NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 2. ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.
 3. DO NOT SCALE DRAWING.
 4. THESE DRAWINGS ARE NOT FOR CONSTRUCTION PURPOSES AND ARE FOR INFORMATION PURPOSES ONLY. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
 5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info REFERENCE NUMBER 4728-008.

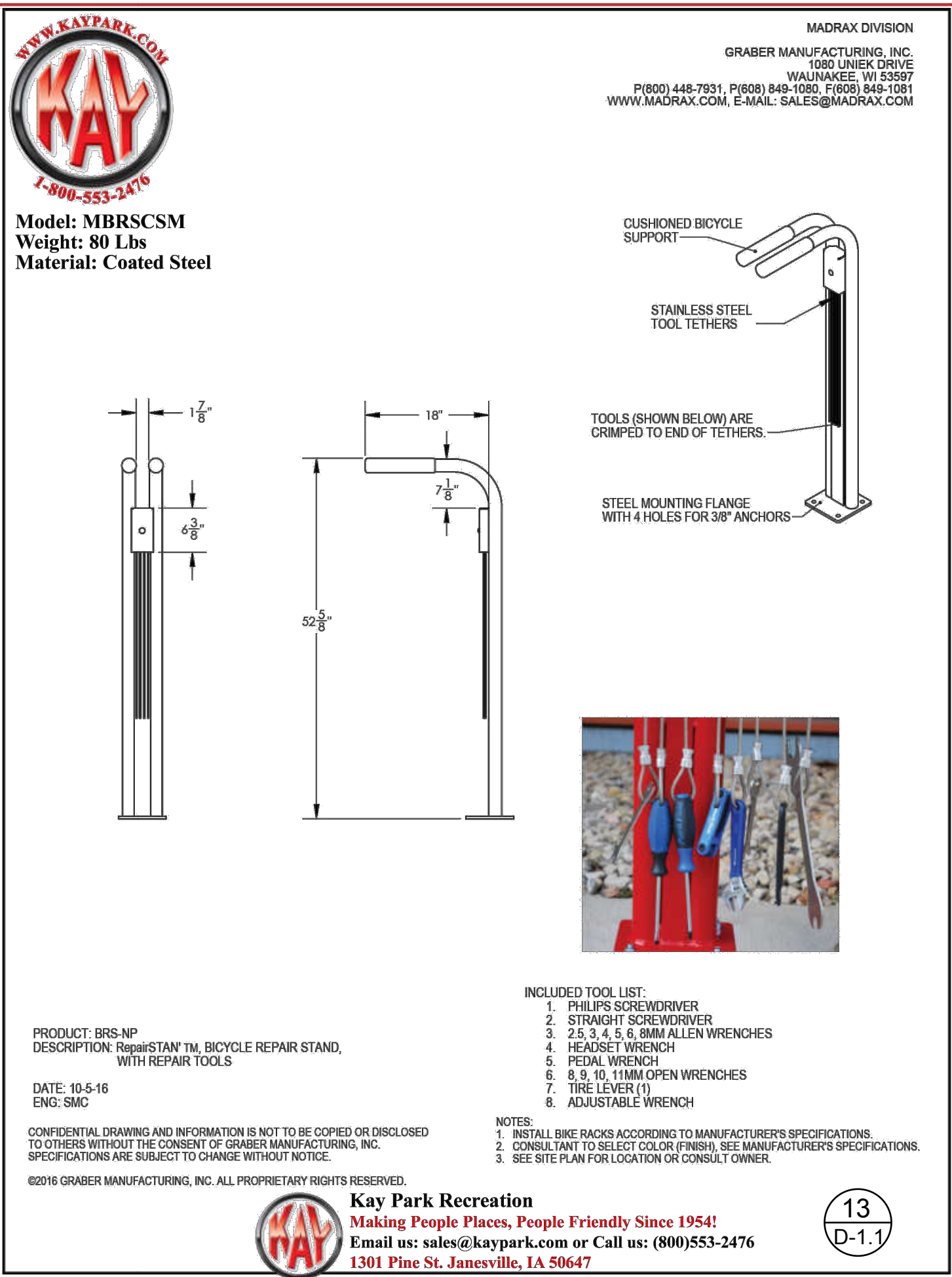
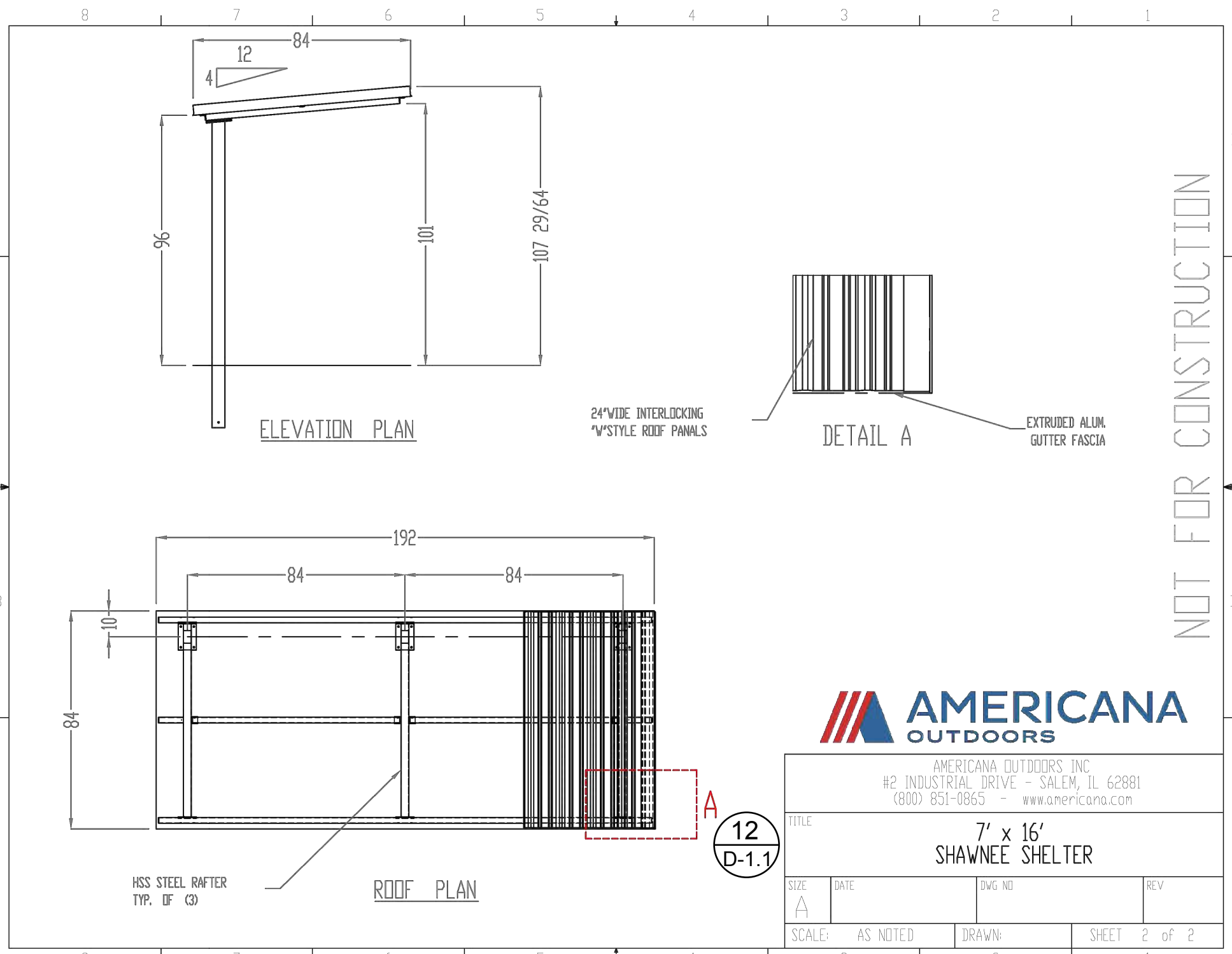
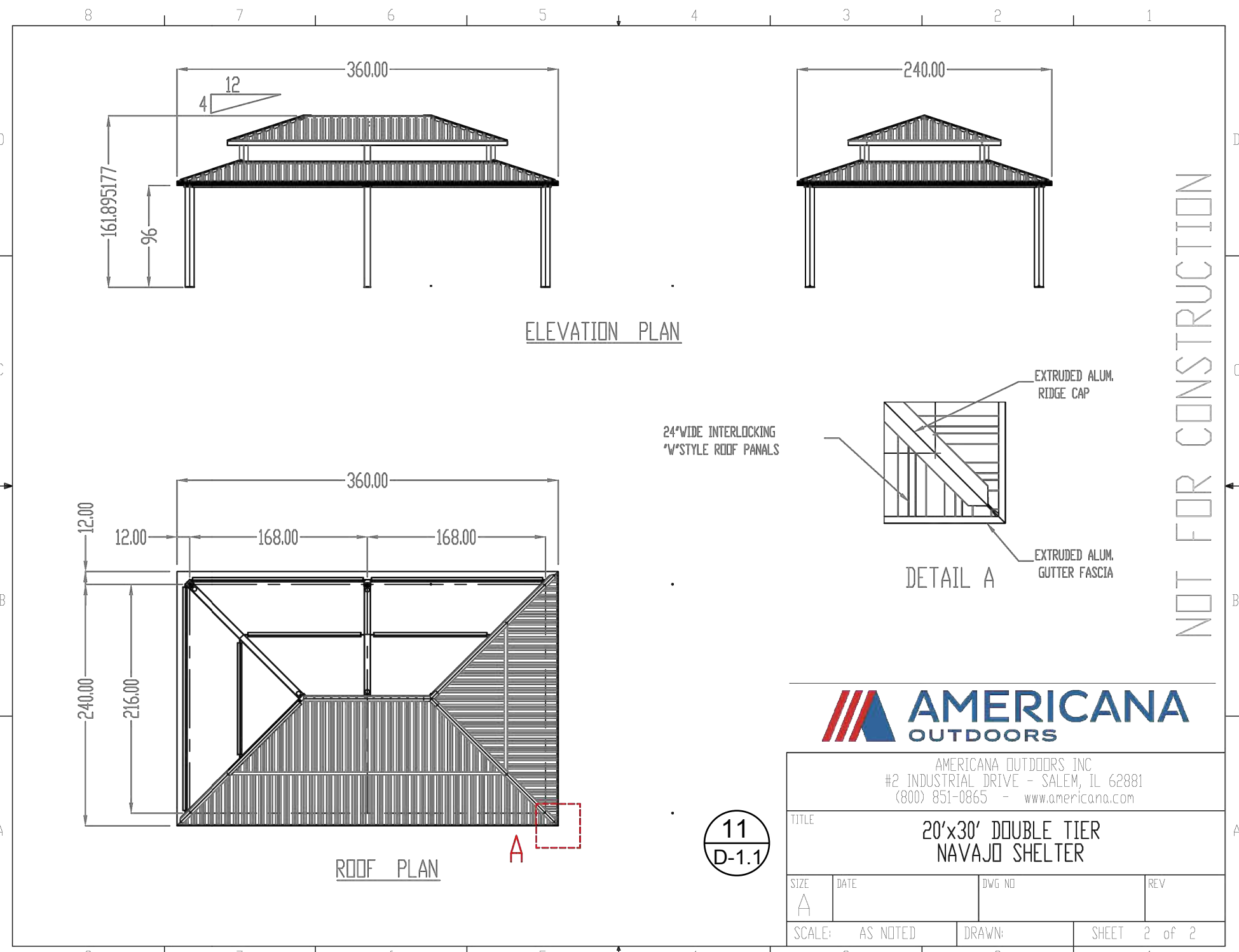
10 D-1.1 CABLE PATTERNS
STAMPED ASPHALT: HAMPTON TILE

4728-008

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REVISION DATE 05/16/2012

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CONSTRUCTION INFRASTRUCTURE DRAWINGS	01	02	03	04	NO.	REVISIONS	DATE	BY
CID-24-04								
TOWN OF ROLESVILLE CID-24-04 V2								
TOWN OF ROLESVILLE CID-24-04 V3								
TOWN OF ROLESVILLE CID-24-04 V4								
SREG								
SREG								
SREG								
SREG								

SEAL:

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305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

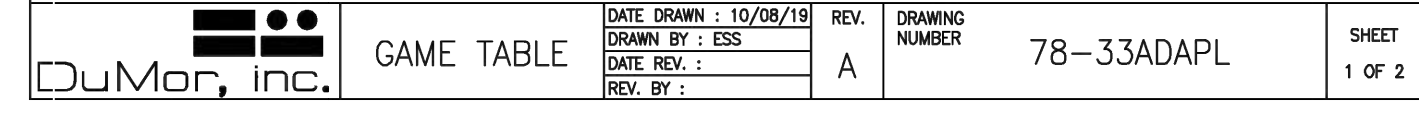
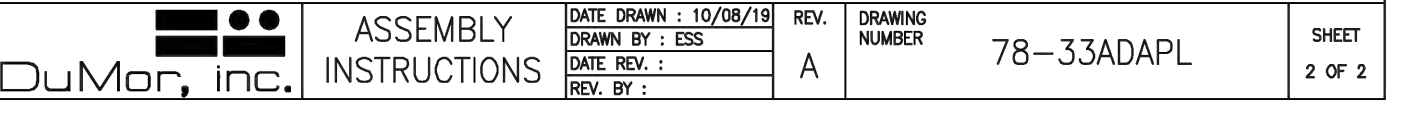
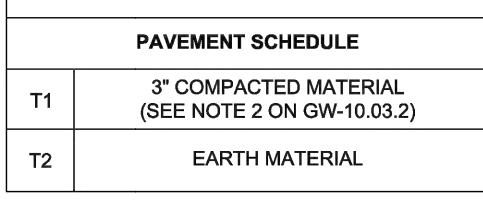
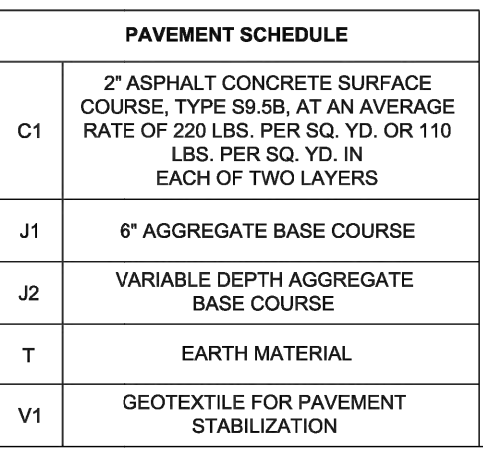
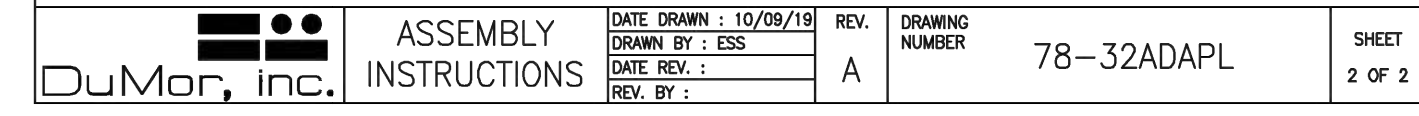
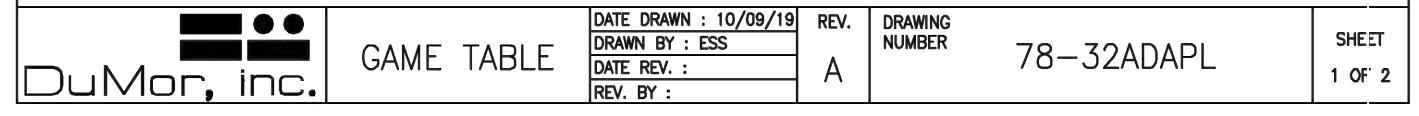
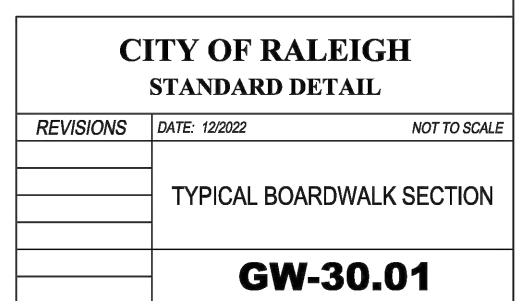
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PSP-24-03	AS SHOWN	SRG			

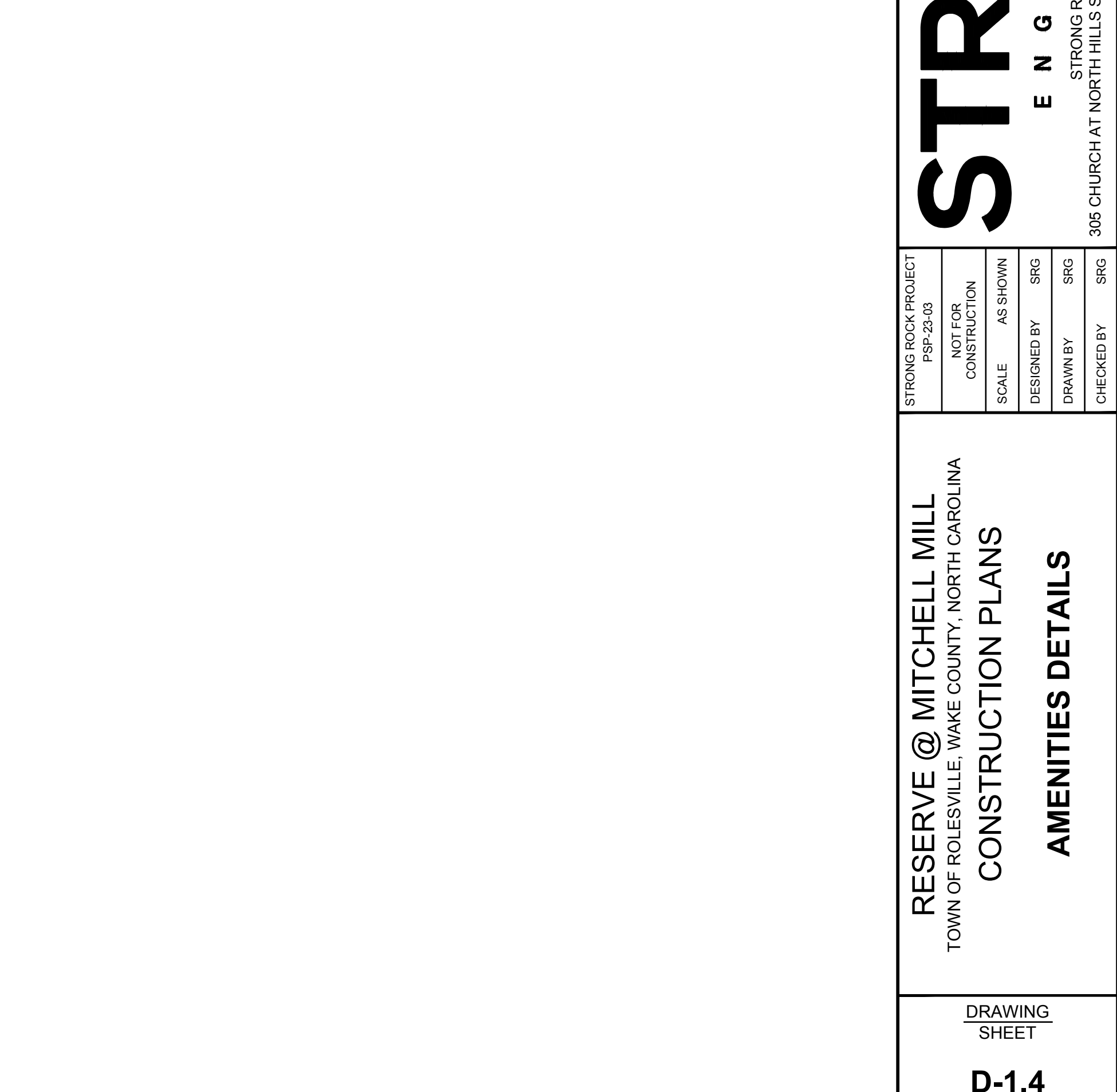
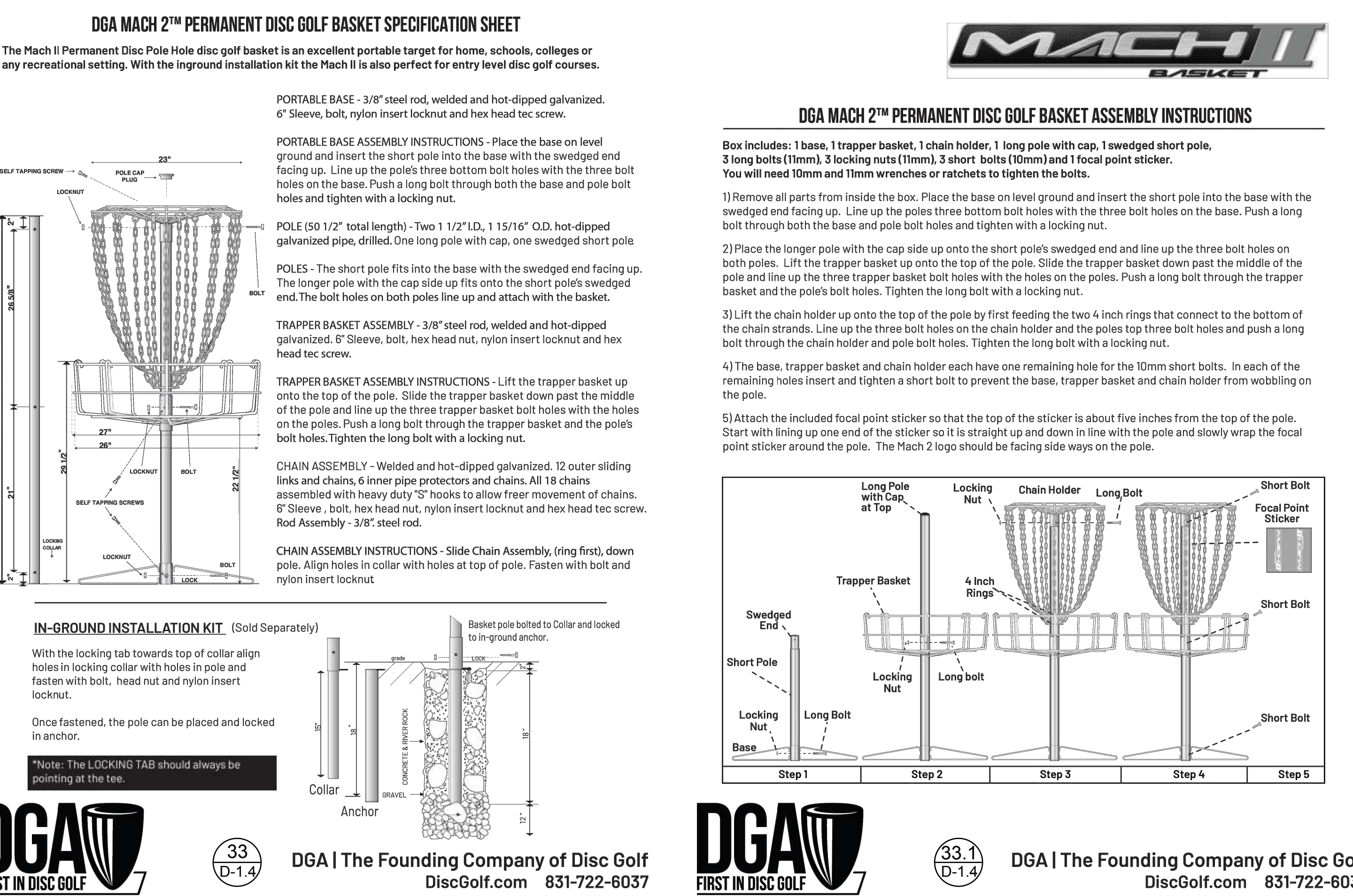
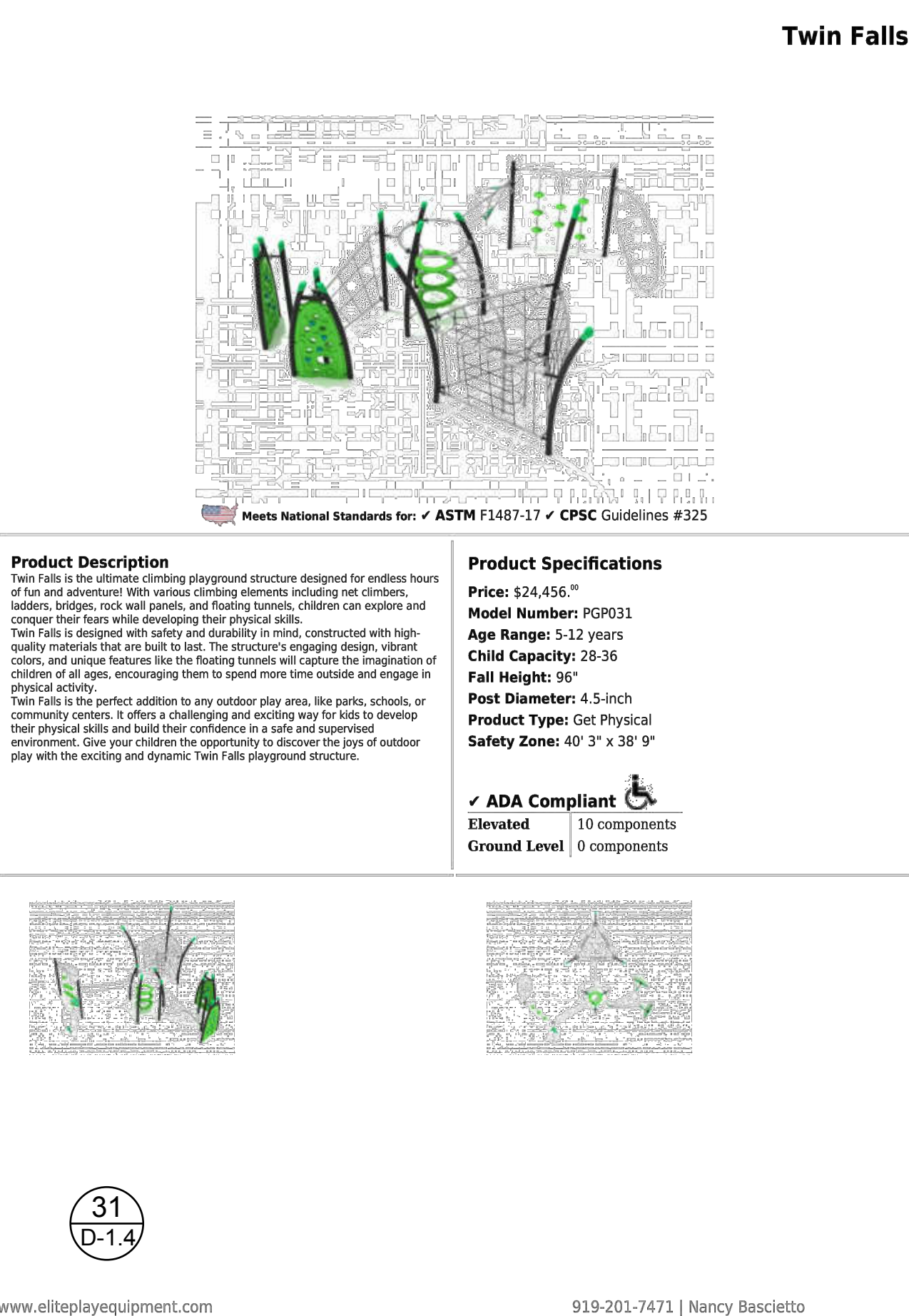
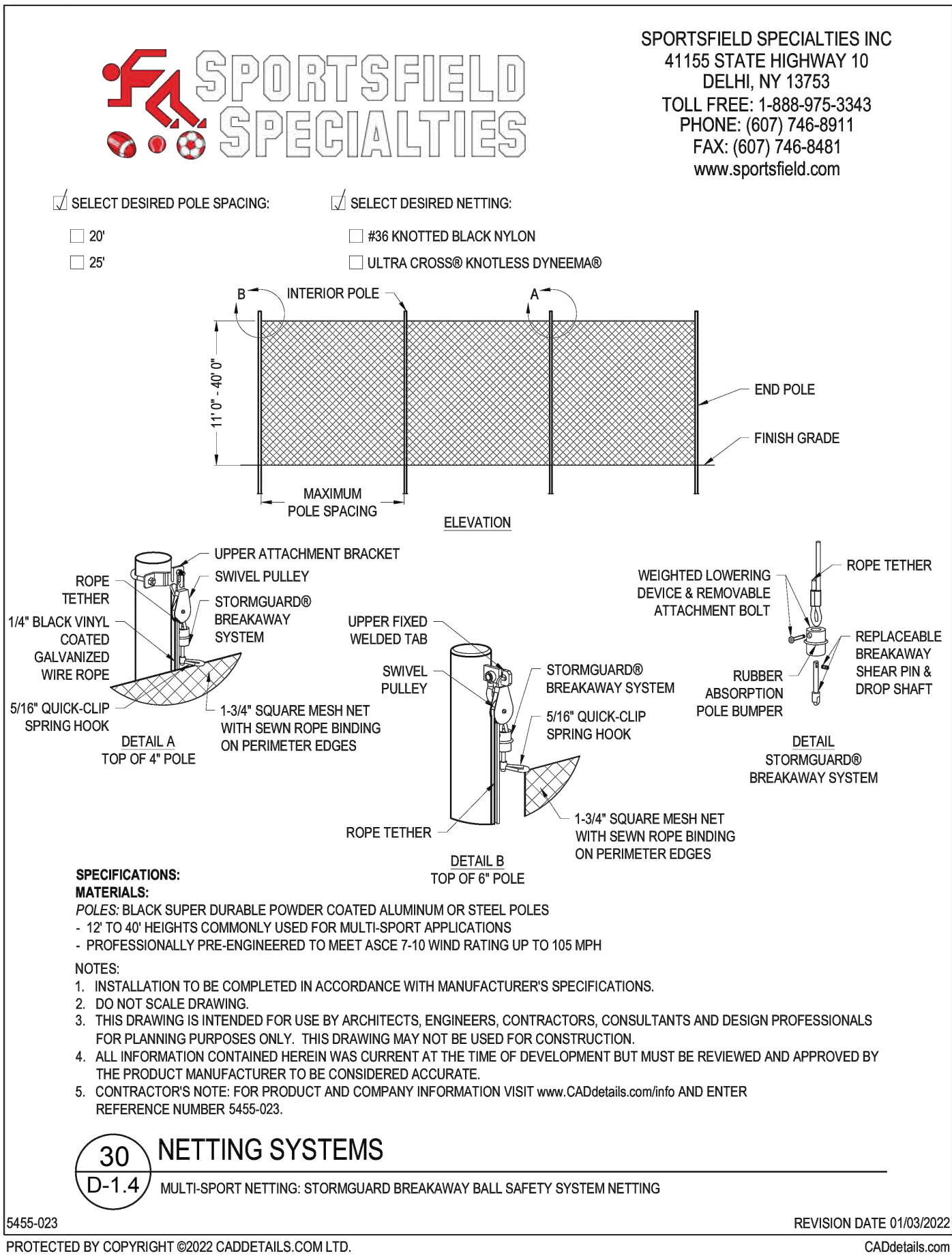
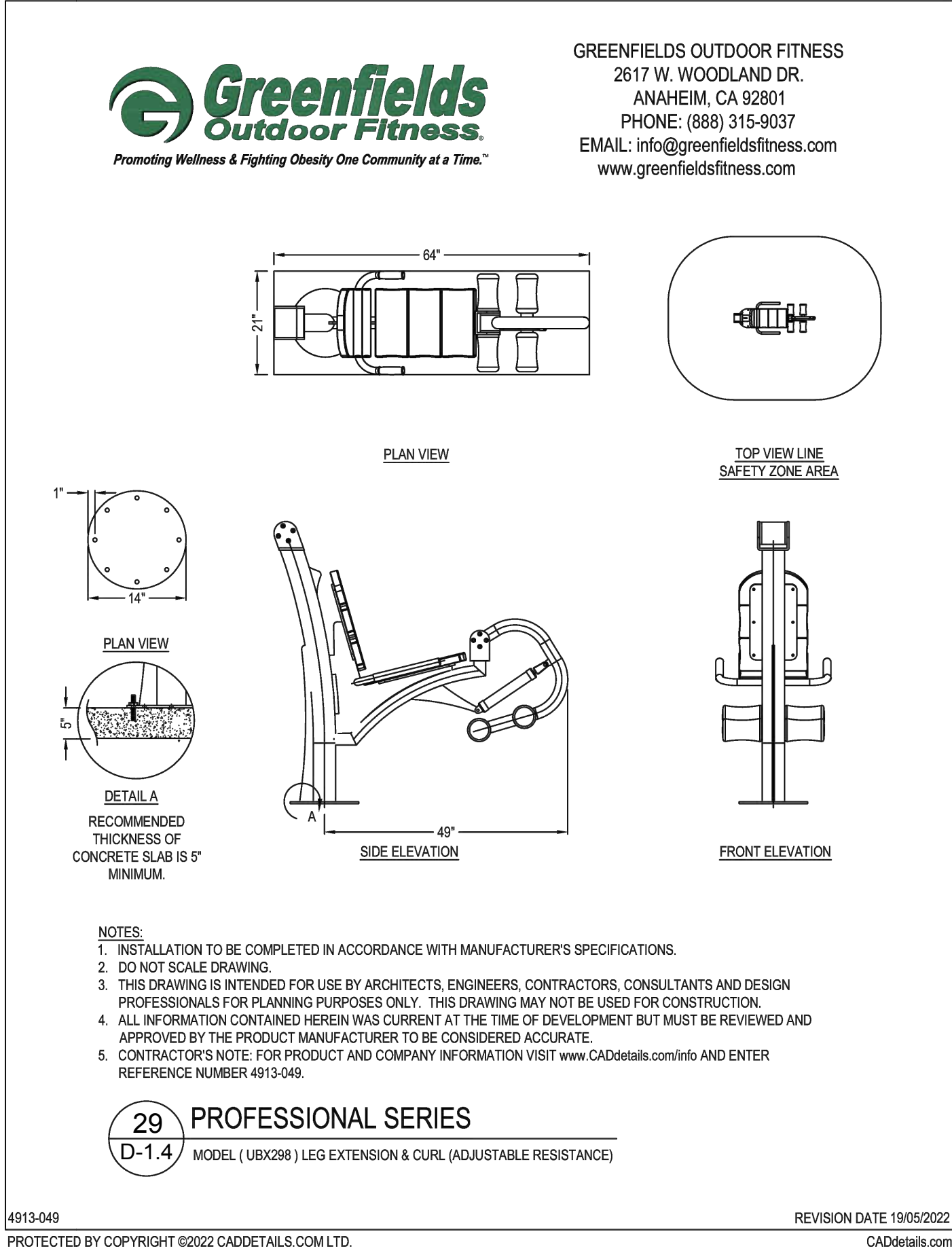
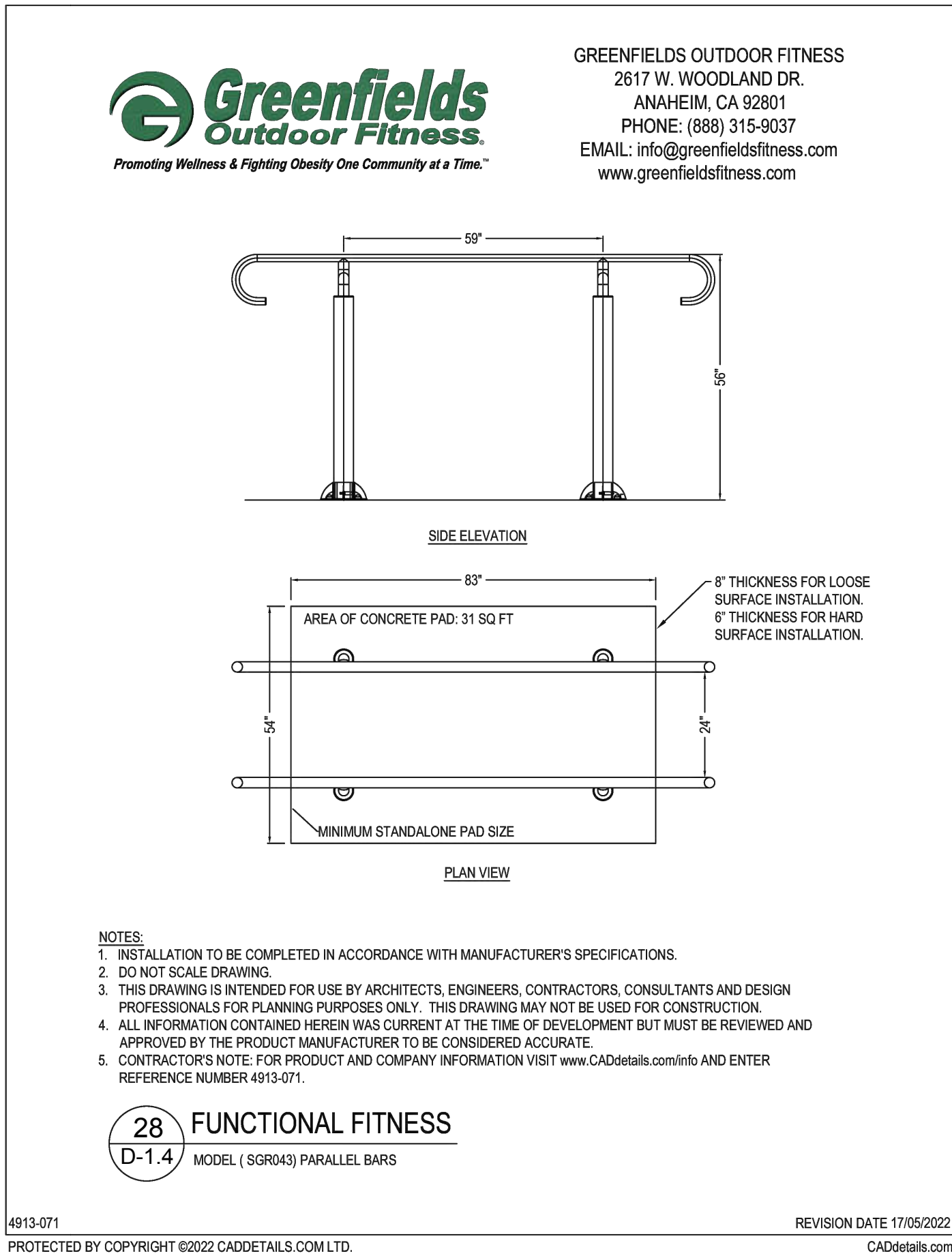
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

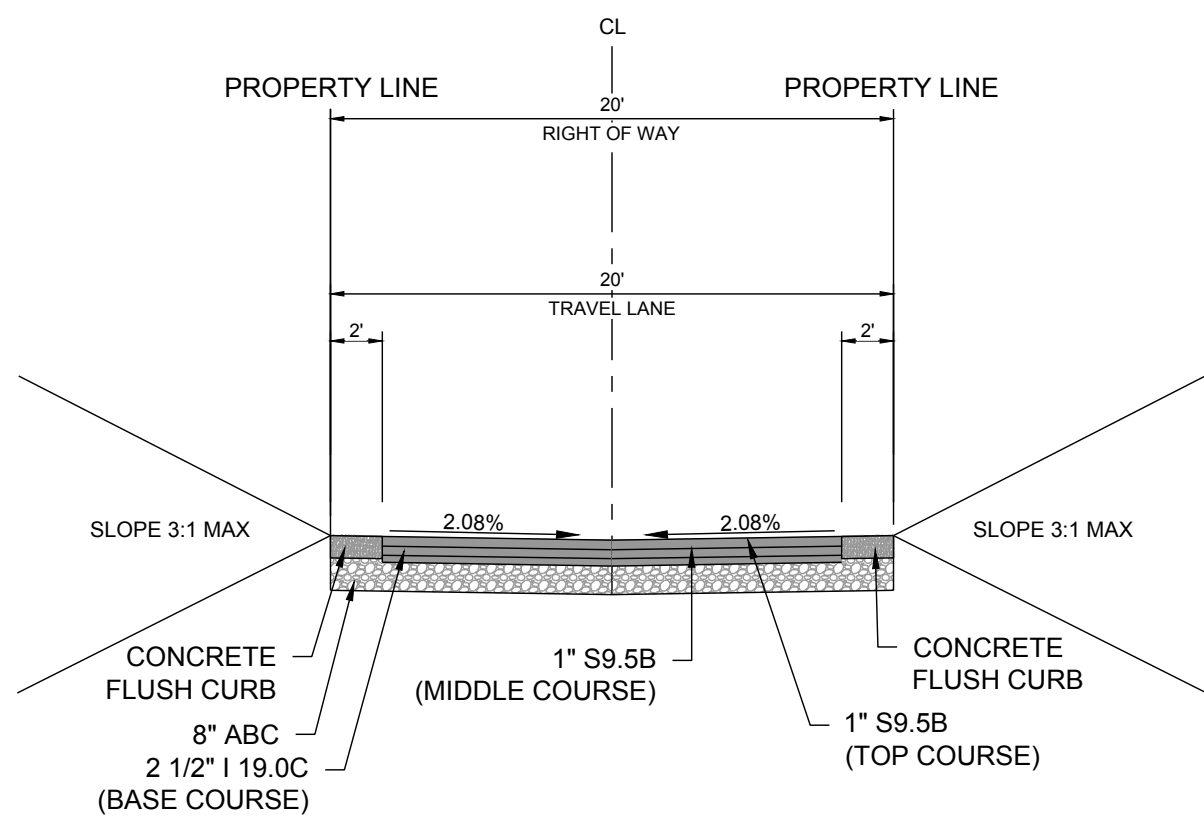
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AMENITIES DETAILS

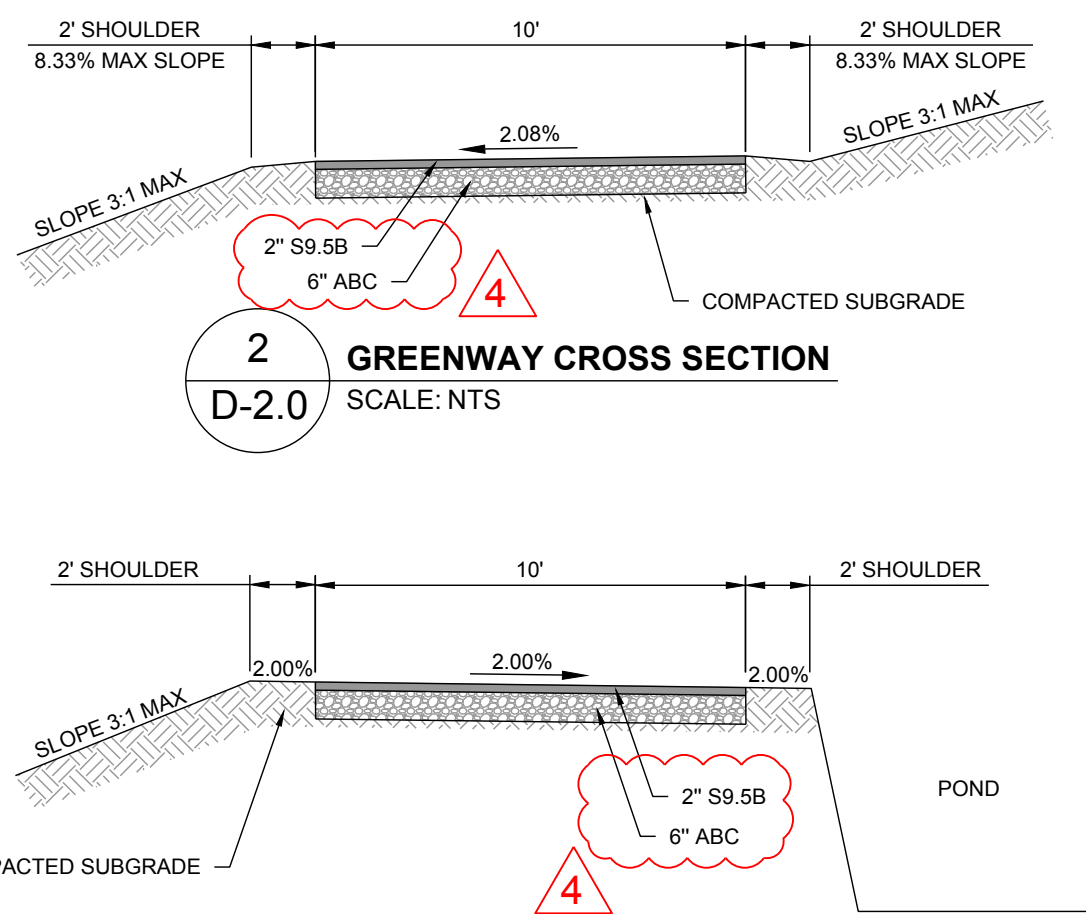
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D-1.1



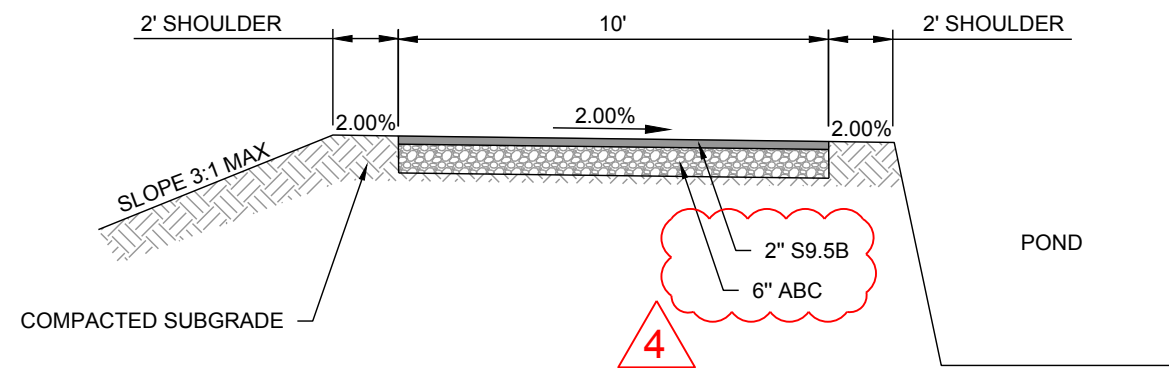




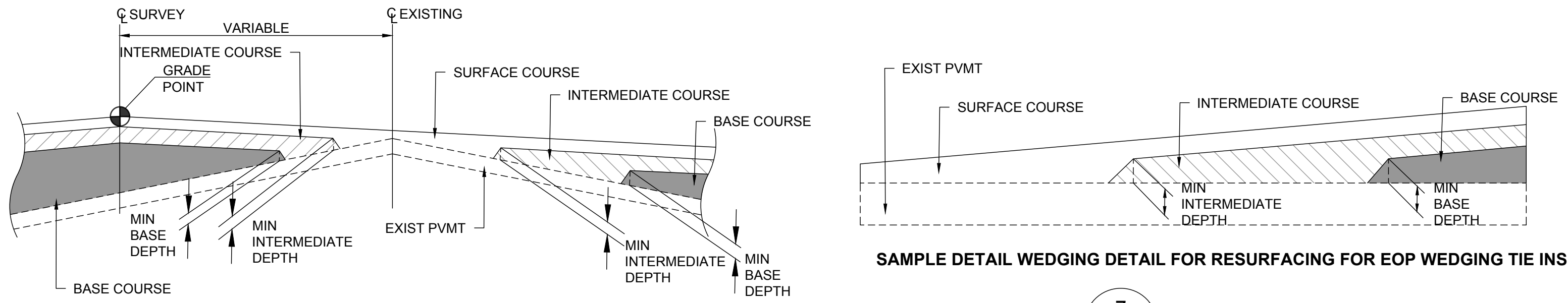
1 ALLEY CROSS SECTION - 20' ROW
D-2.0 SCALE: NTS



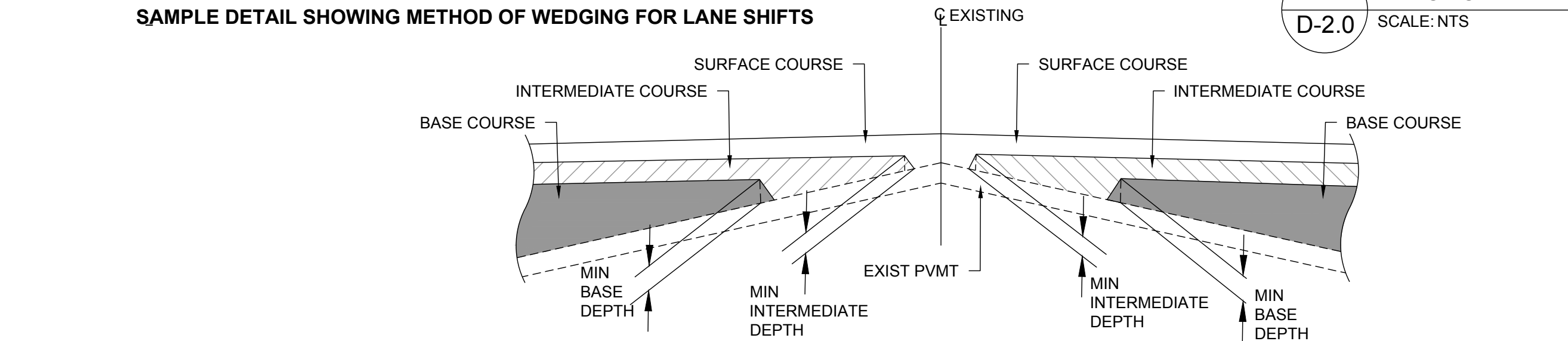
2 GREENWAY CROSS SECTION
D-2.0 SCALE: NTS



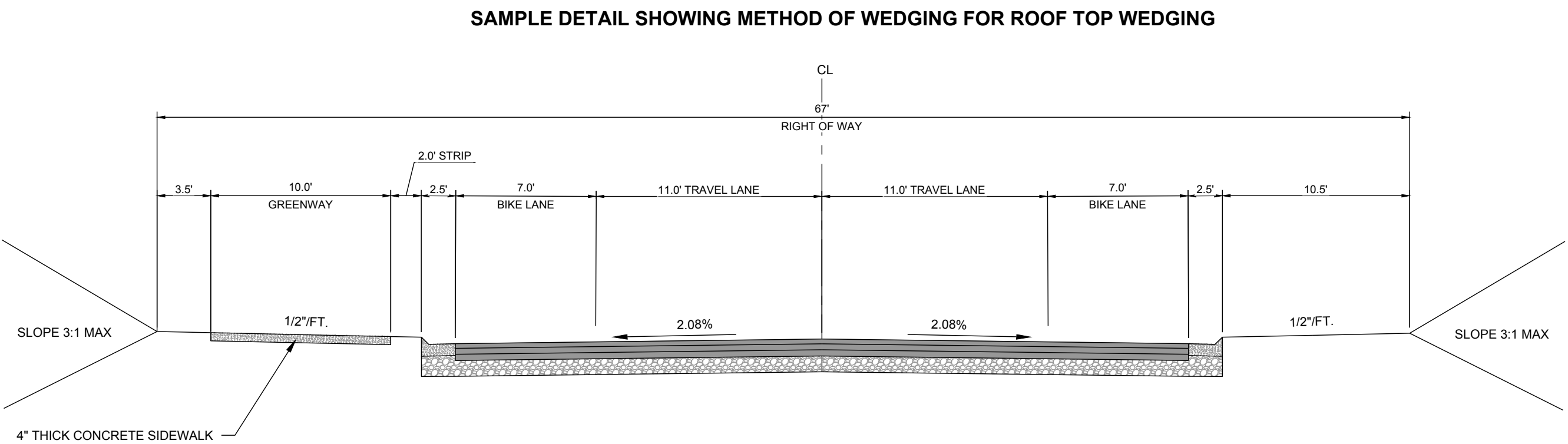
3 GREENWAY CROSS SECTION - POND
D-2.0 SCALE: NTS



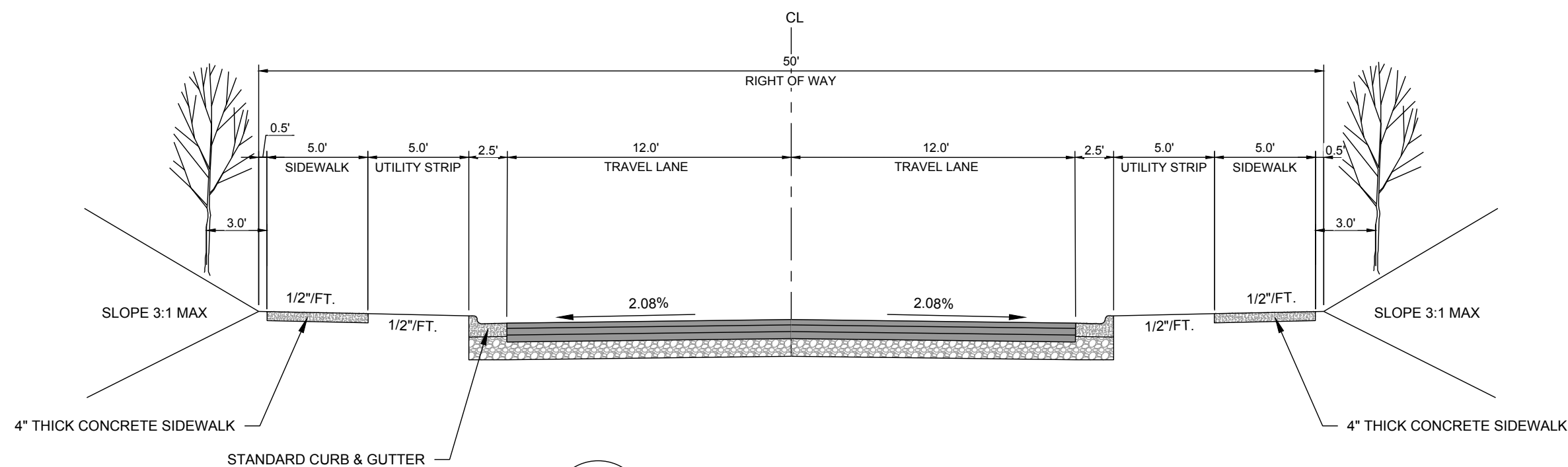
SAMPLE DETAIL WEDGING DETAIL FOR RESURFACING FOR EOP WEDGING TIE INS



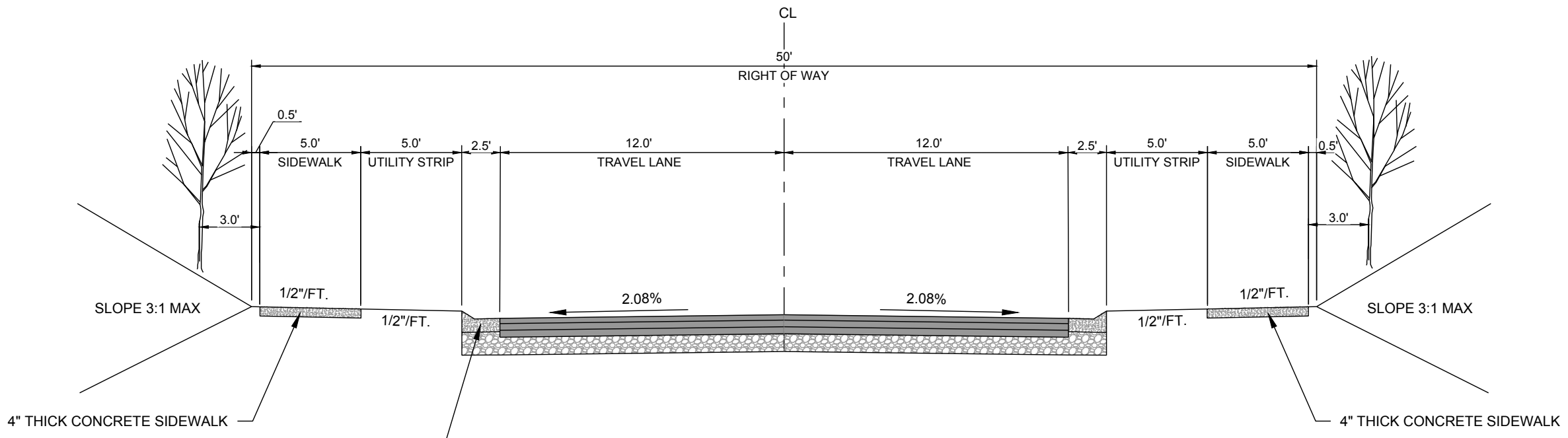
SAMPLE DETAIL SHOWING METHOD OF WEDGING FOR LANE SHIFTS



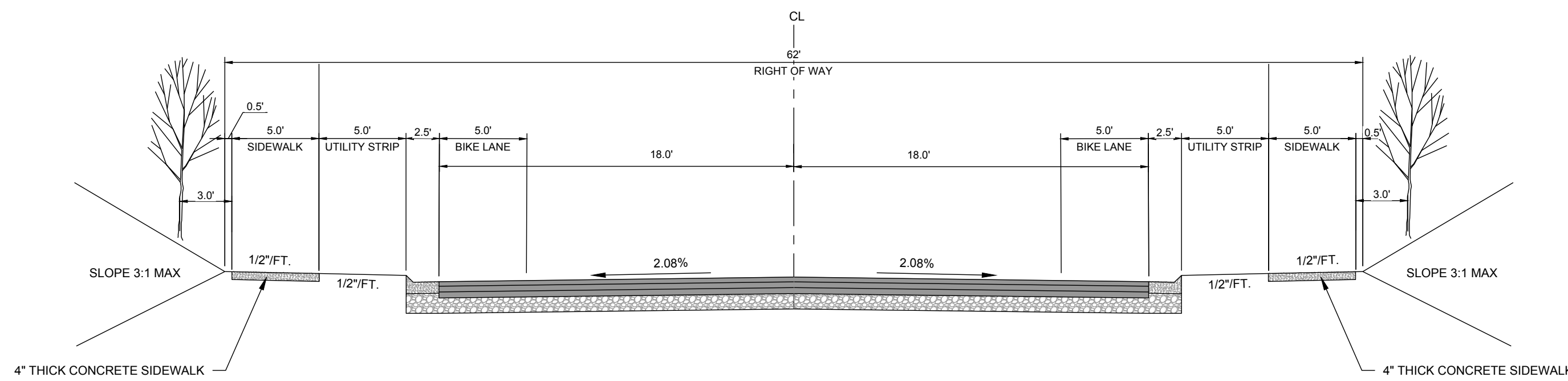
SAMPLE DETAIL SHOWING METHOD OF WEDGING FOR ROOF TOP WEDGING



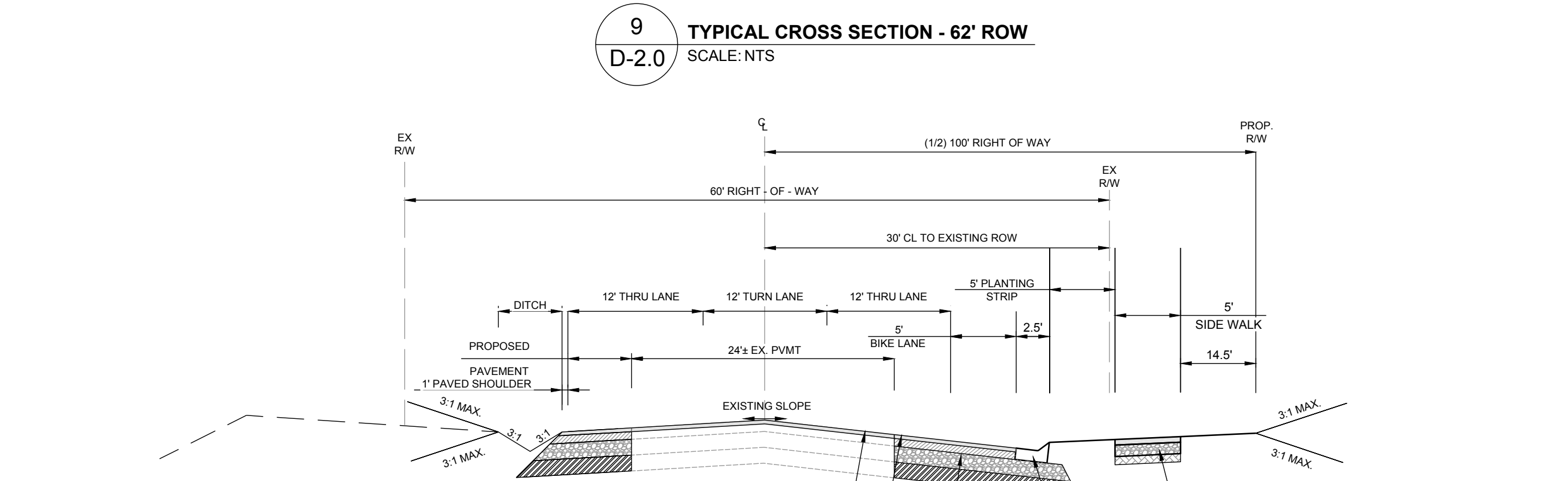
4 TYPICAL CROSS SECTION - 50' ROW
D-2.0 SCALE: NTS



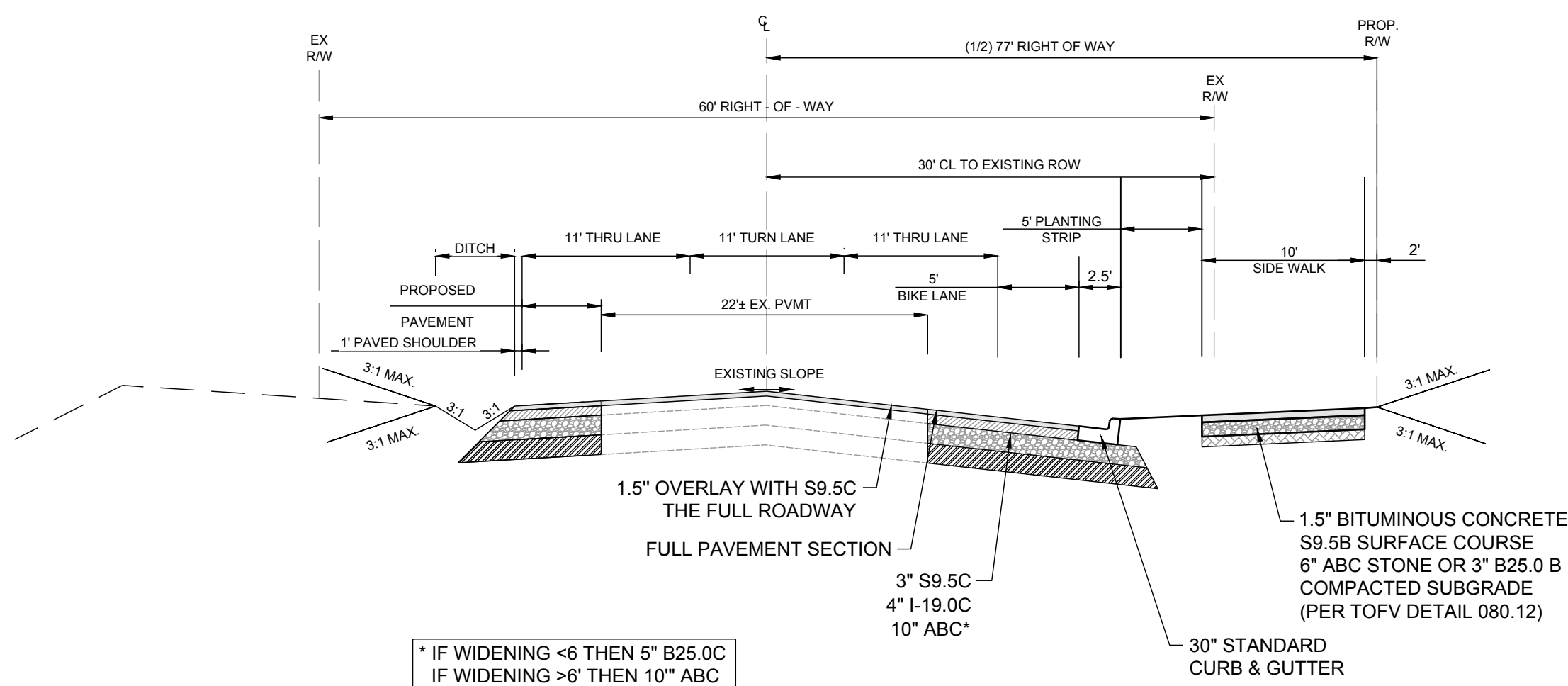
5 TYPICAL CROSS SECTION - 50' ROW
D-2.0 SCALE: NTS



8 LIGHTNING BOLT LANE BRIDGE CROSS SECTION - 67' ROW
D-2.0 SCALE: NTS

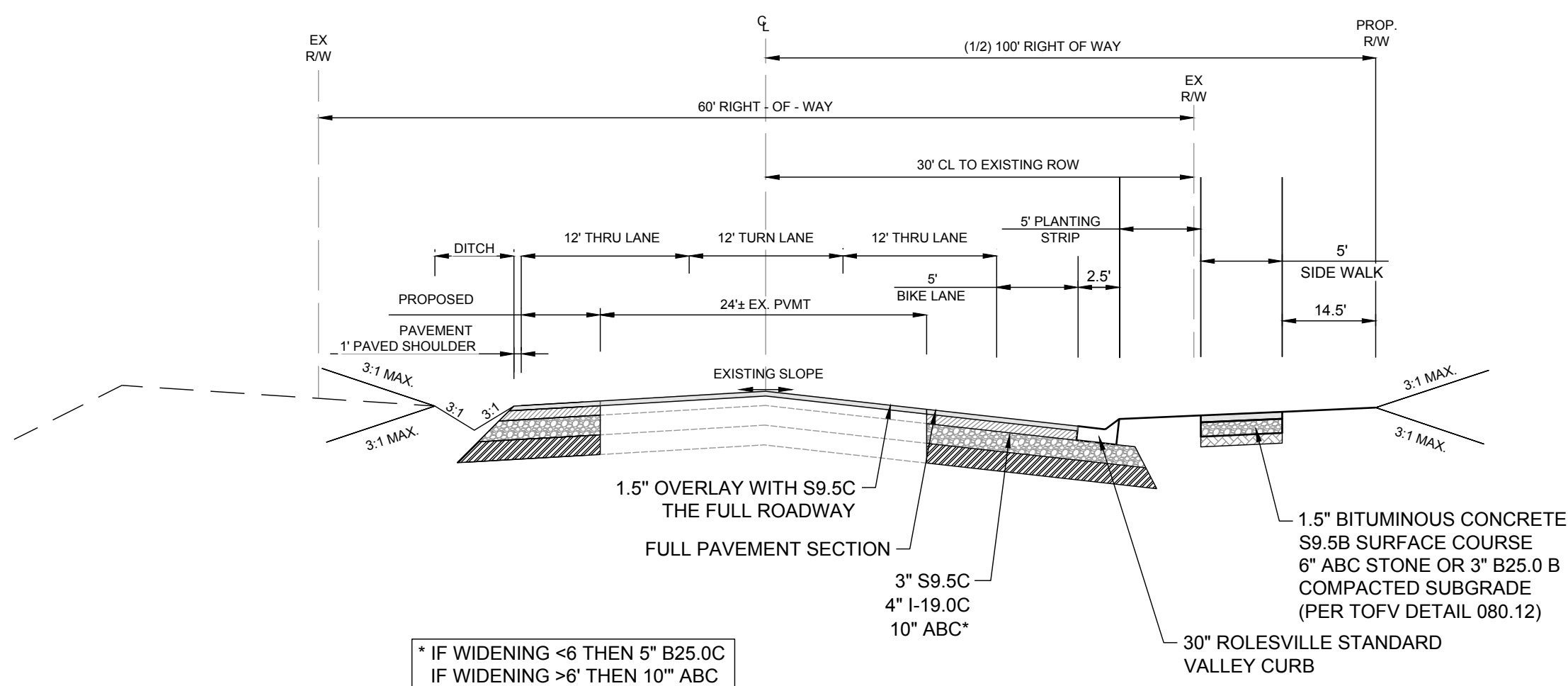


9 TYPICAL CROSS SECTION - 62' ROW
D-2.0 SCALE: NTS



* IF WIDENING <6' THEN 5" B25.0C
IF WIDENING >6' THEN 10" ABC

6 JONESVILLE RD ROADWAY IMPROVEMENTS
D-2.0 SCALE: NTS



* IF WIDENING <6' THEN 5" B25.0C
IF WIDENING >6' THEN 10" ABC

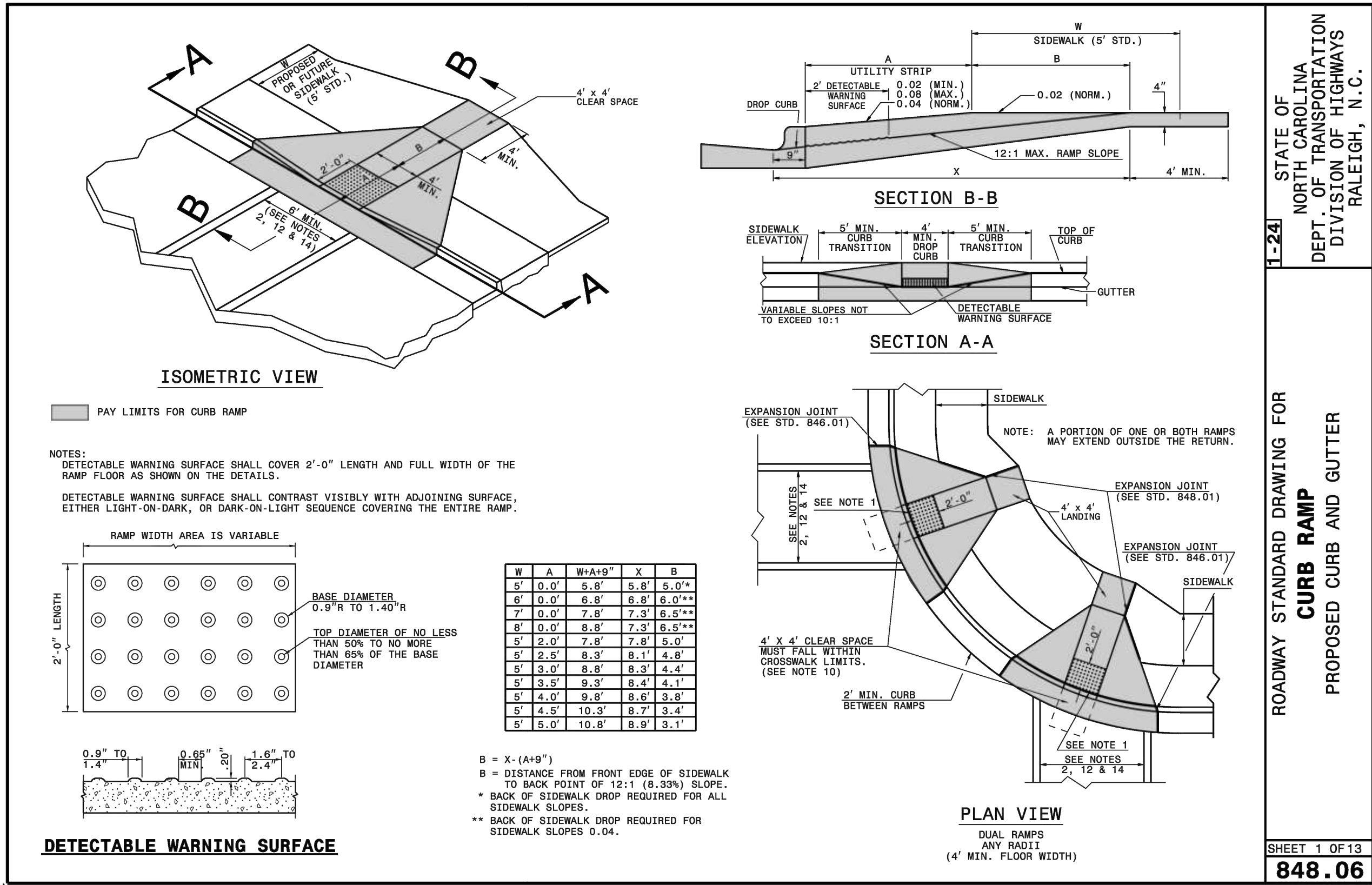
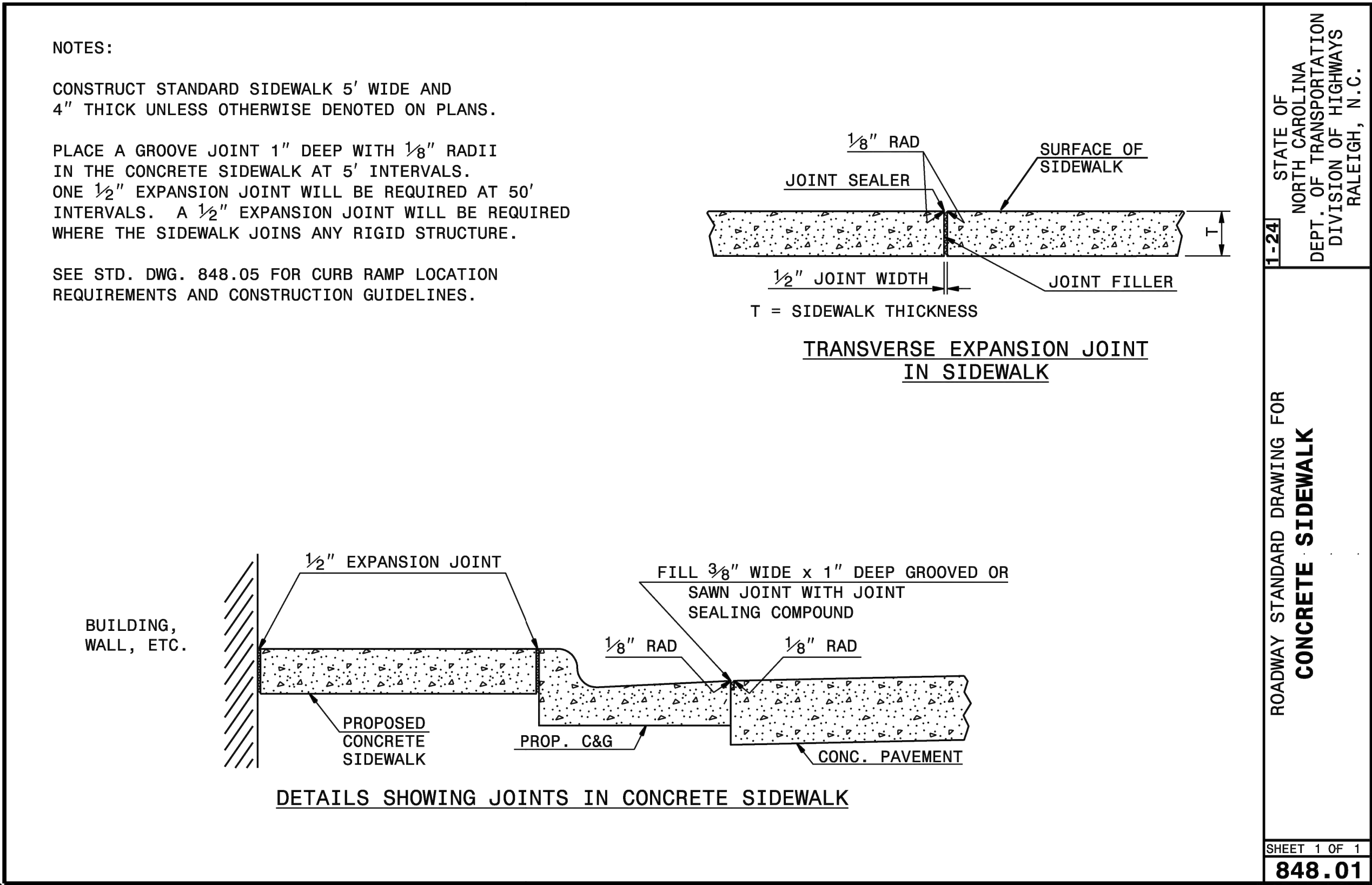
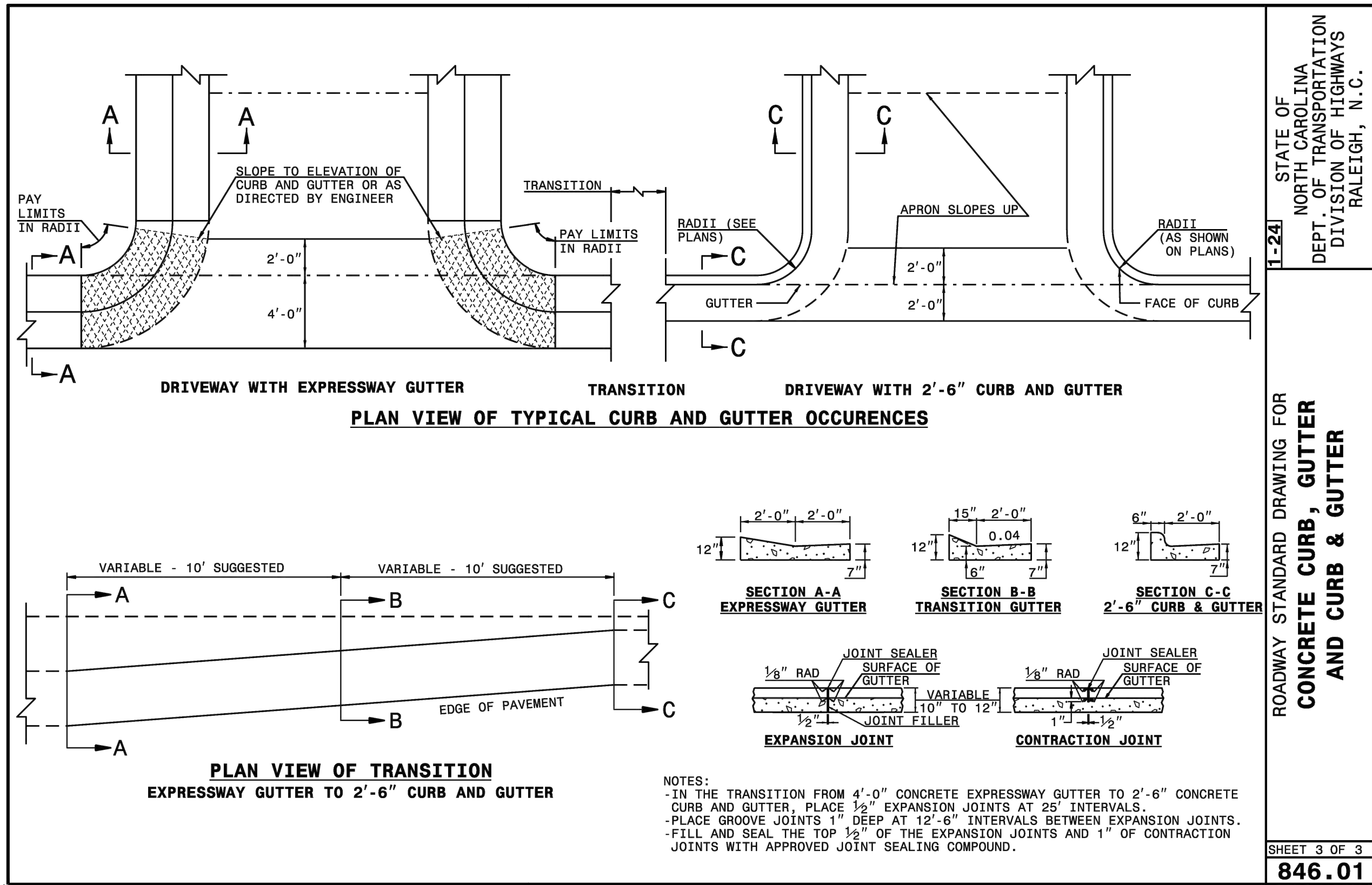
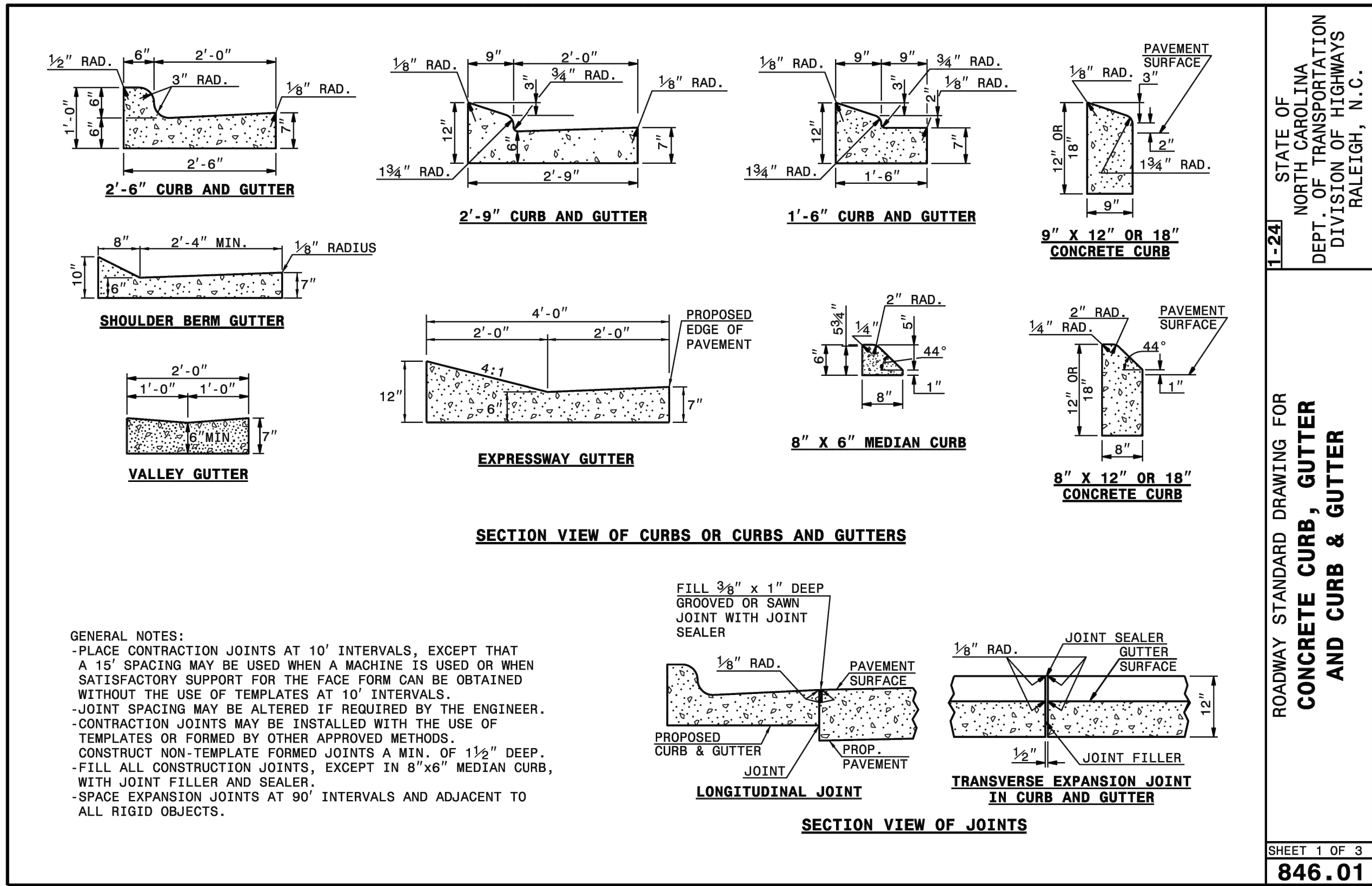
10 MITCHELL MILL RD ROADWAY IMPROVEMENTS
D-2.0 SCALE: NTS

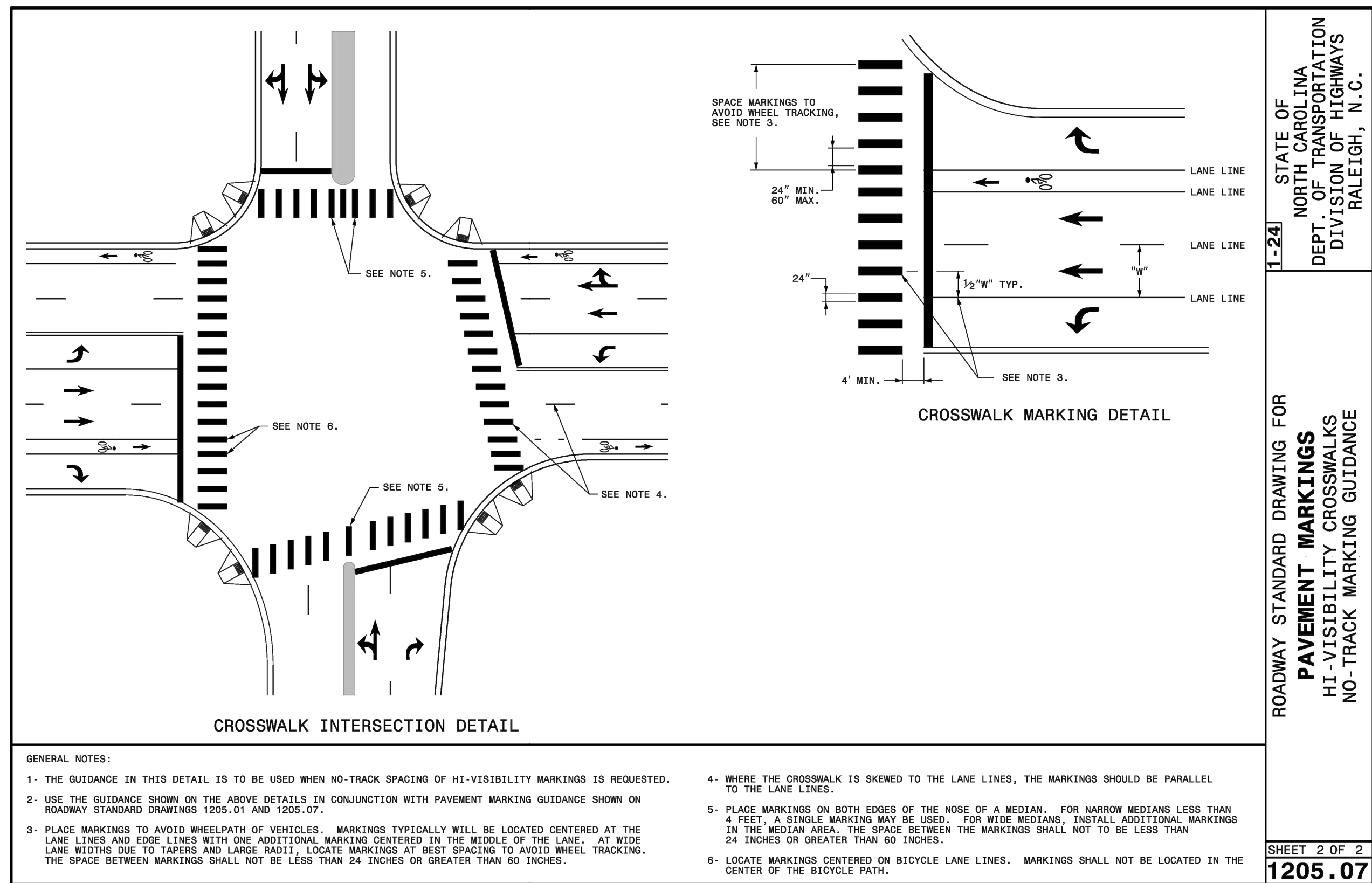
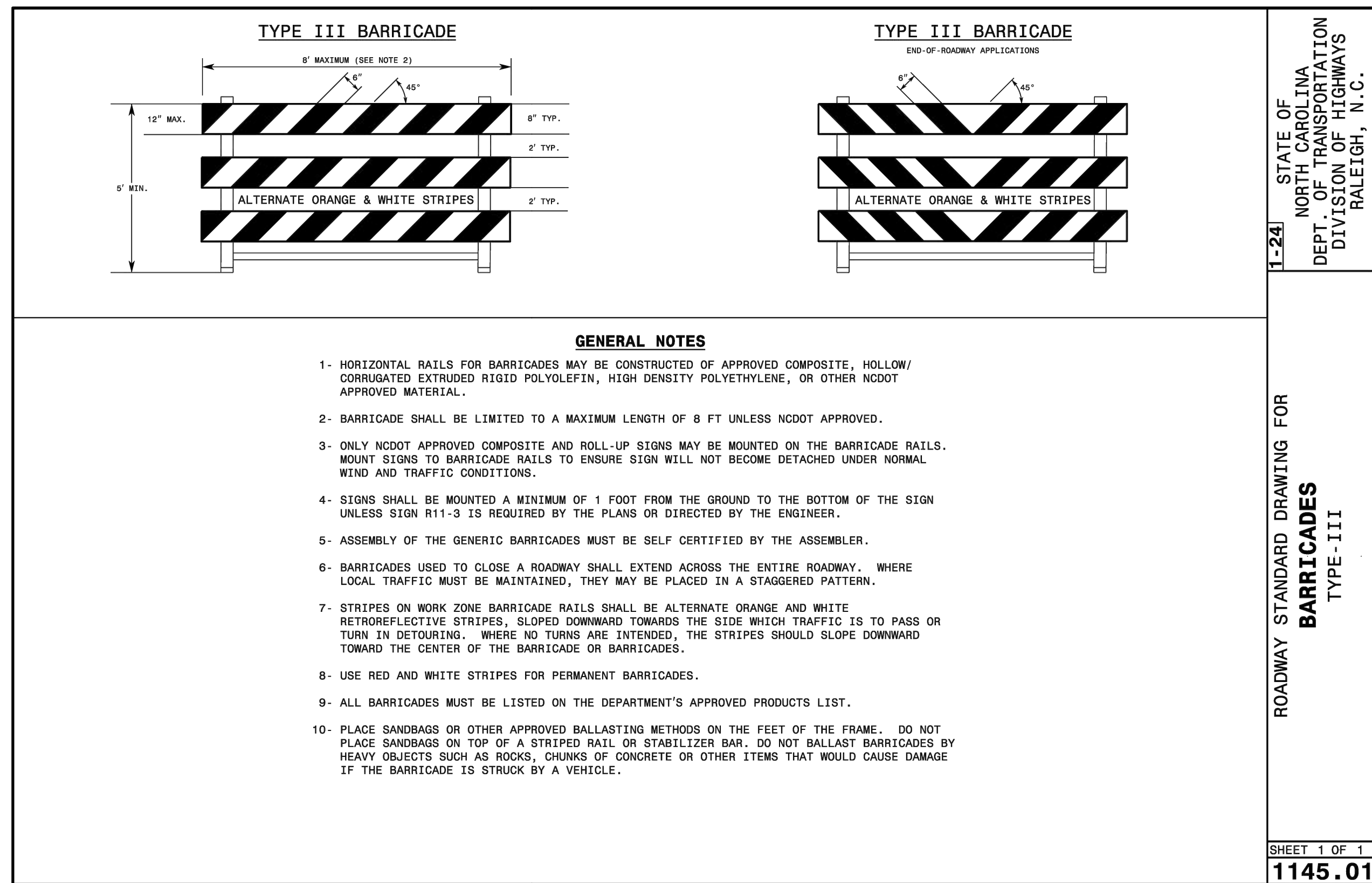
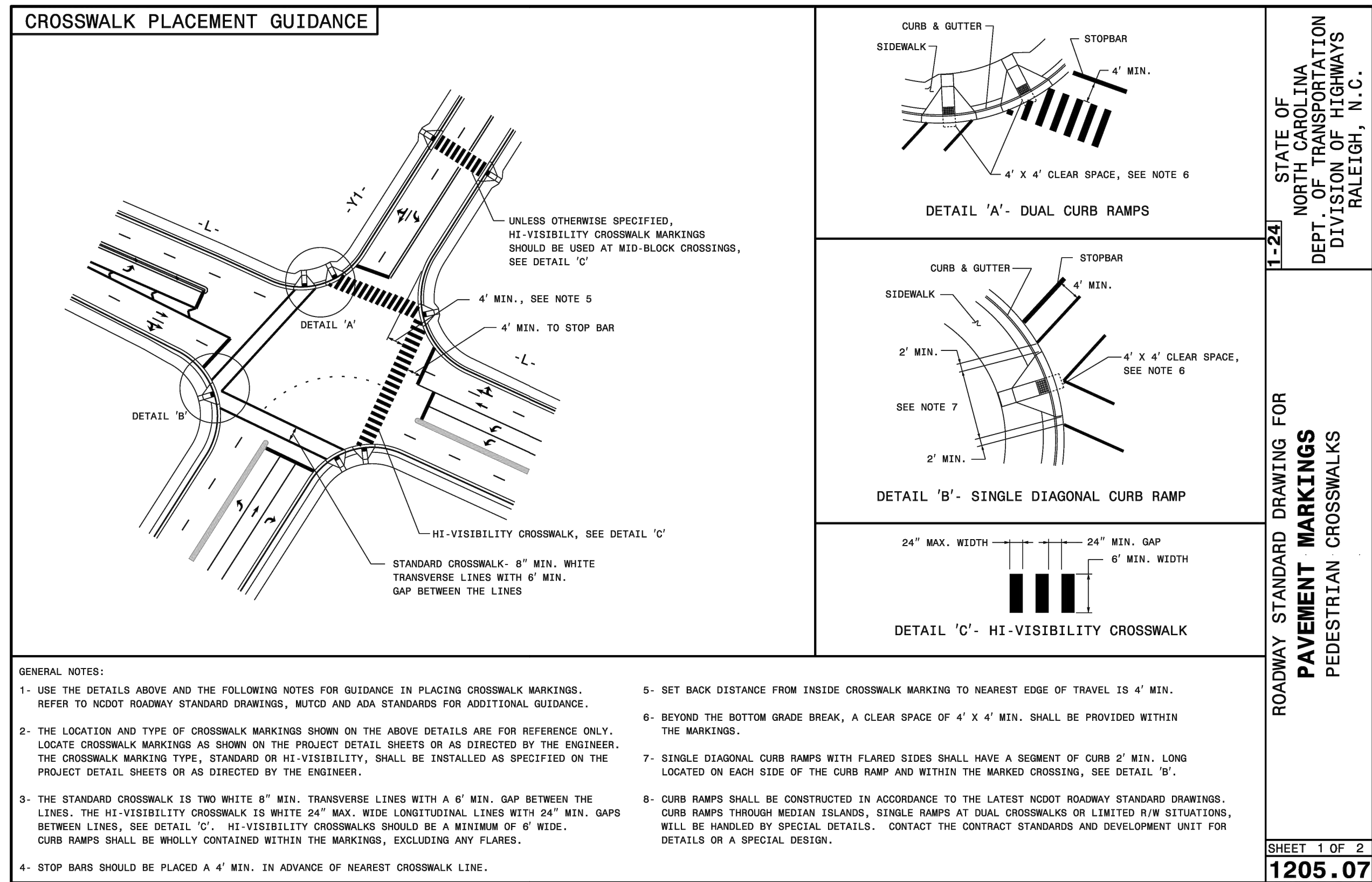
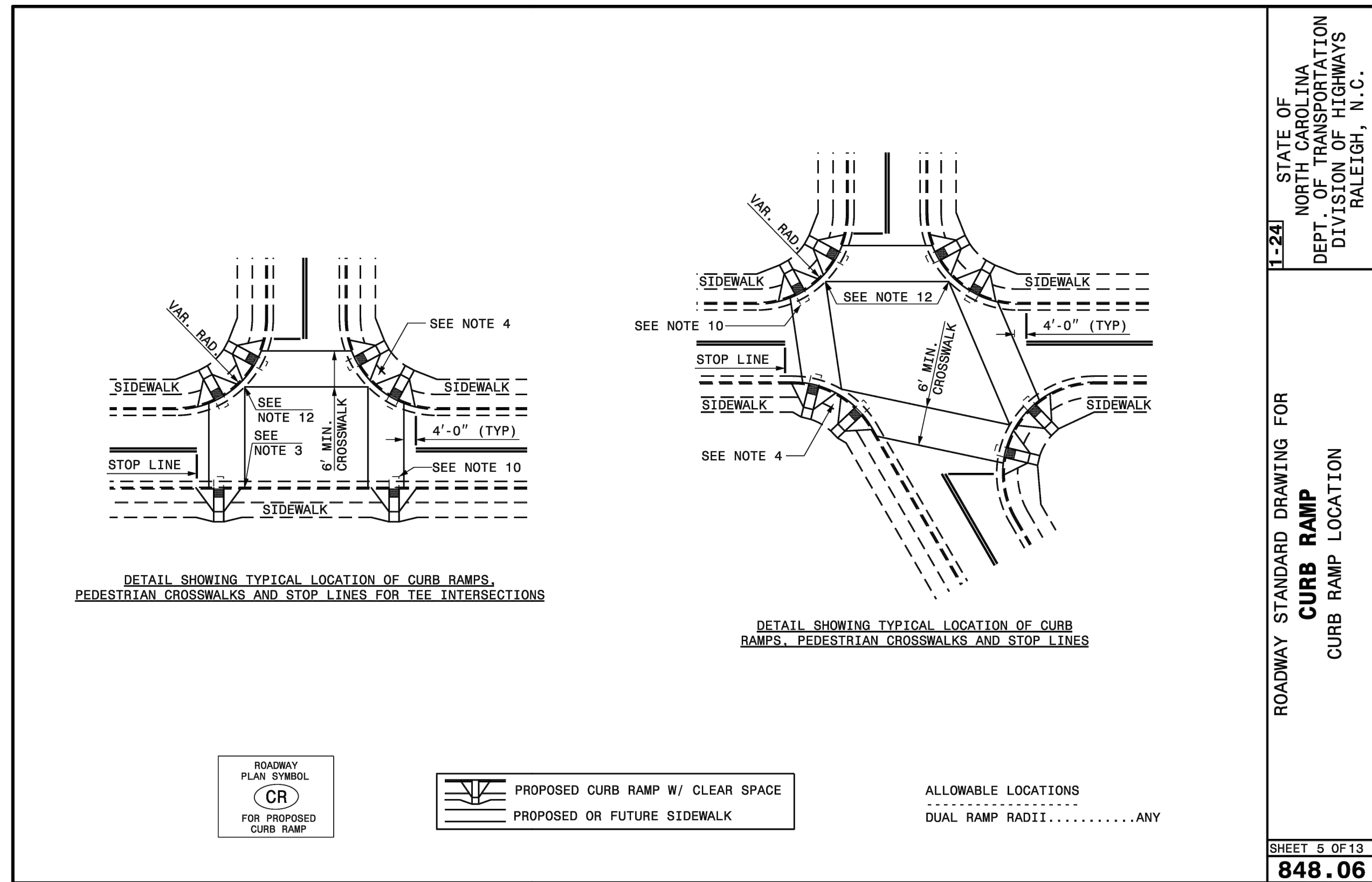
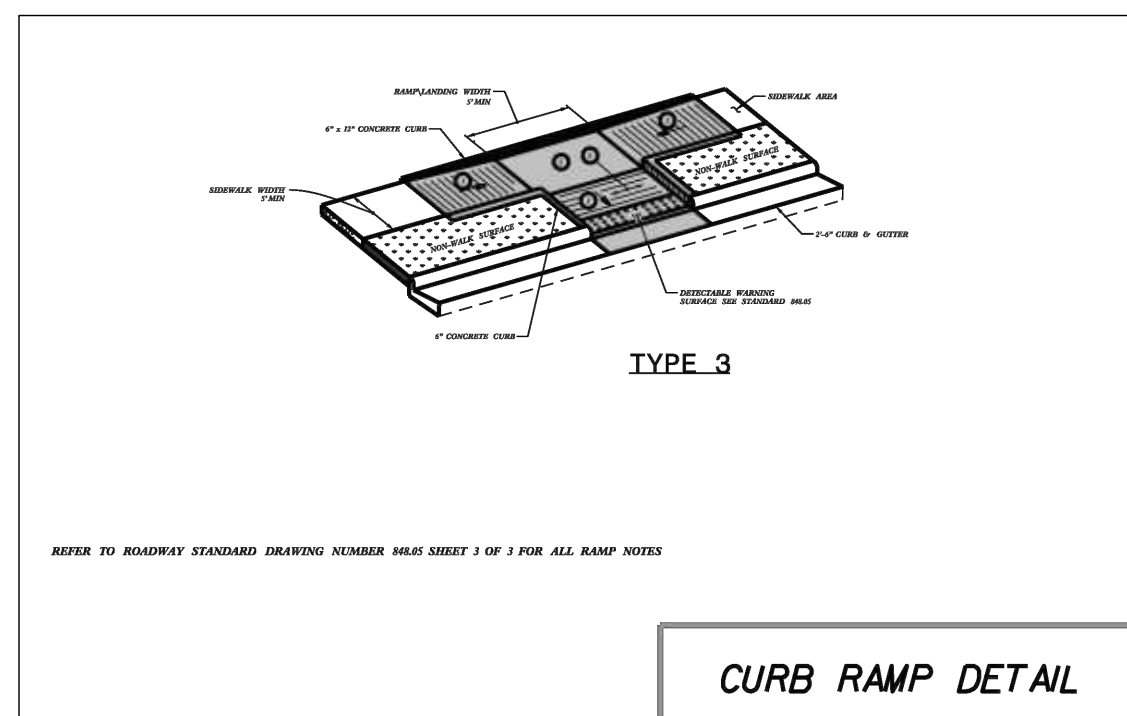
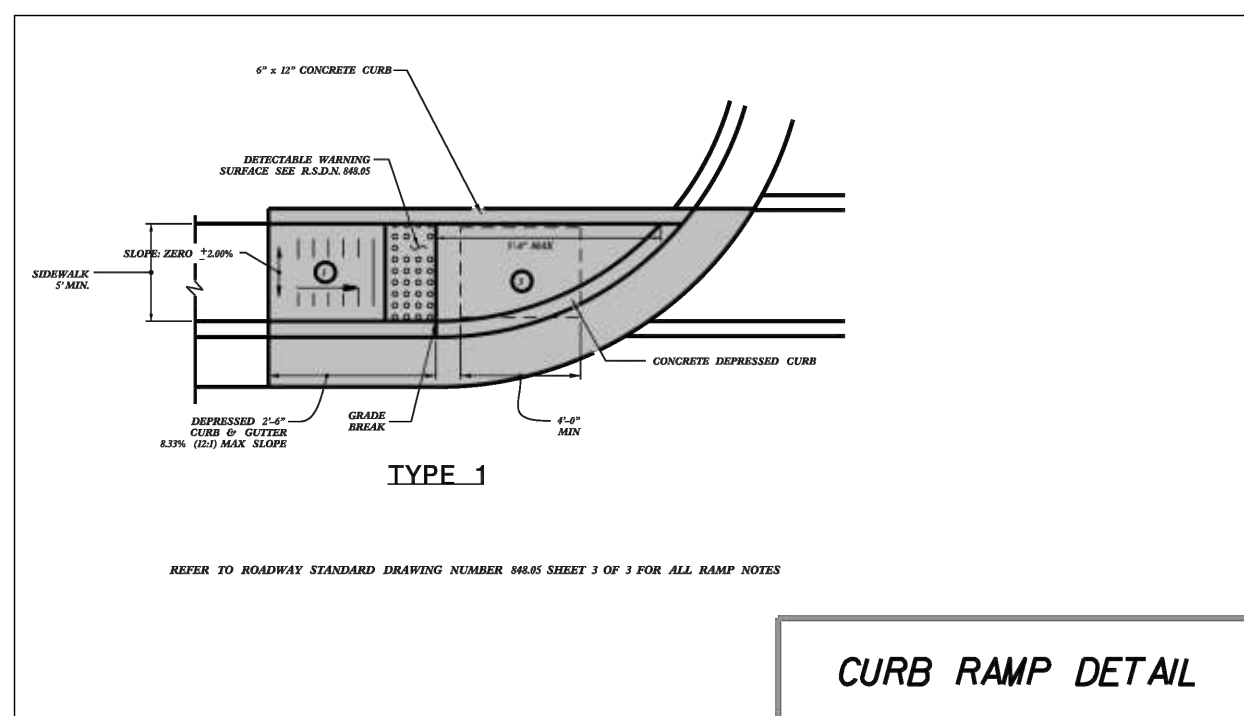
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TOWN OF ROLESVILLE CID-24-04 V2				11/01/2024	SRG		
TOWN OF ROLESVILLE CID-24-04 V3				02/01/2024	SRG		
TOWN OF ROLESVILLE CID-24-04 V4				08/02/2025	SRG		
SEAL:				No.		REVISIONS	DATE
STRONG ROCK ENGINEERING GROUP				No.			
STRONG ROCK PROJECT PSP-23-03				NOT FOR CONSTRUCTION		DATE	
SCALE				AS SHOWN		DATE	
DESIGNED BY				SRG		DATE	
DRAWN BY				SRG		DATE	
CHECKED BY				SRG		DATE	
RESERVE @ MITCHELL MILL TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA CONSTRUCTION PLANS SITE DETAILS				DRAWING SHEET D-2.0		203 OF 227	

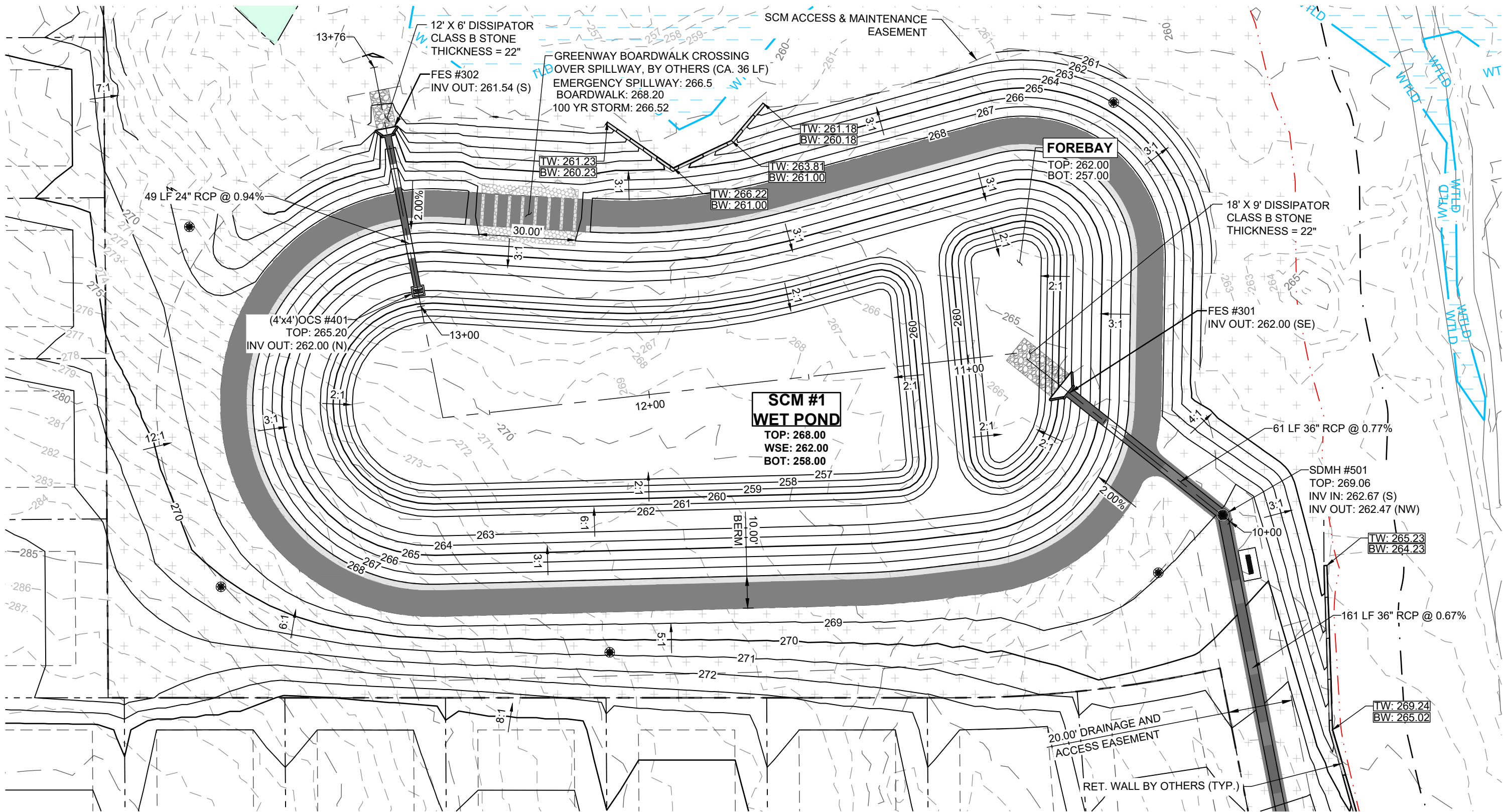


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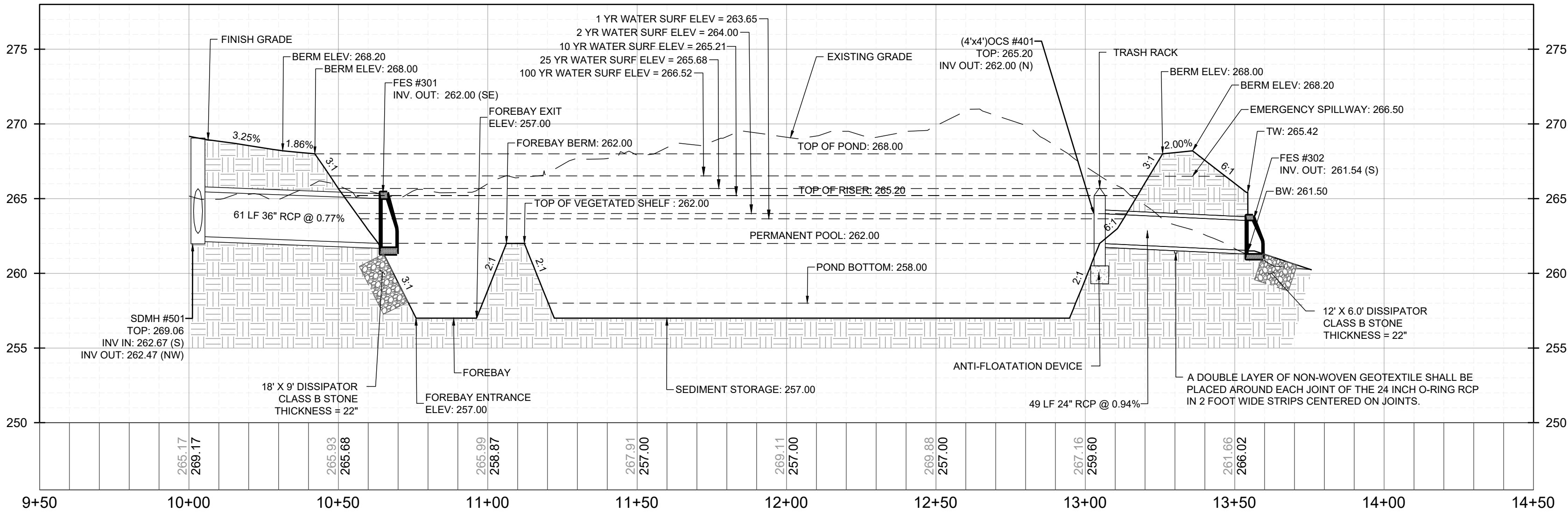
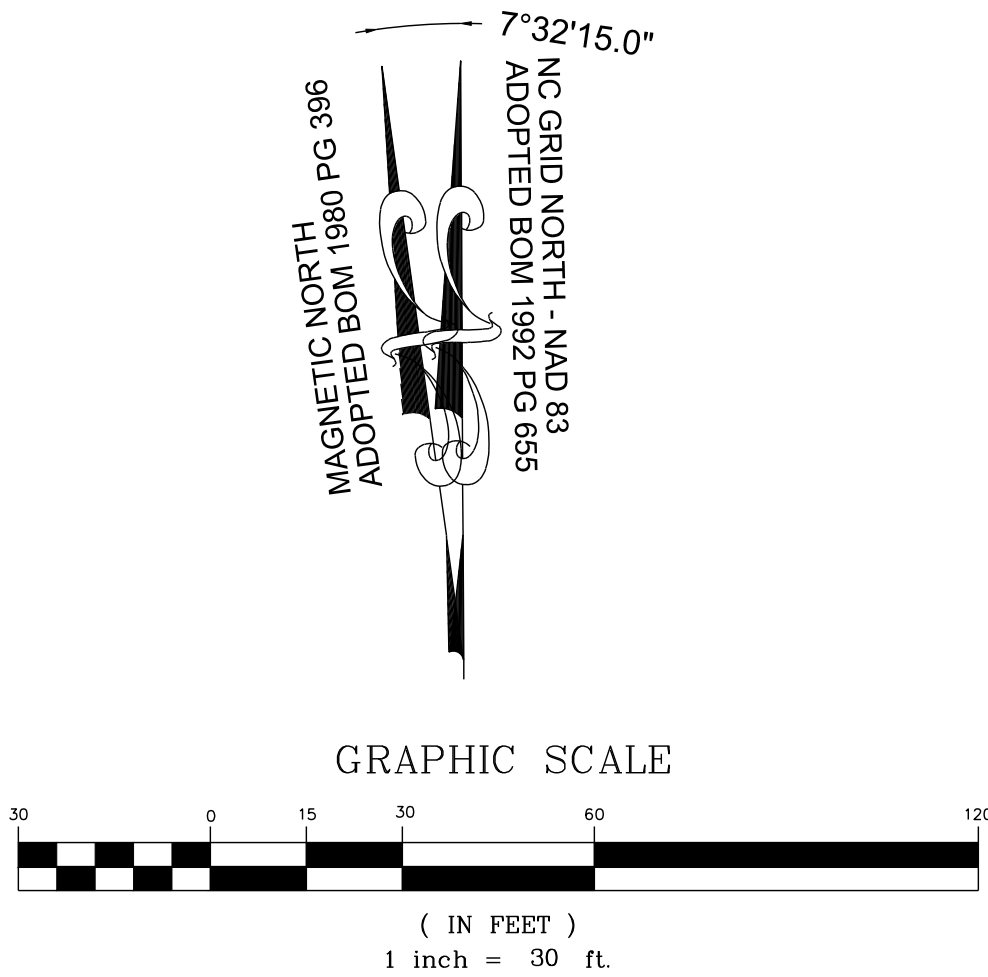
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SCM #1 (WETPOND) - PLAN VIEW
HORIZONTAL: 1" = 30'



SCM #1 (WETPOND) - PROFILE VIEW
HORIZONTAL: 1" = 30'
VERTICAL: 1" = 6'

CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04		08/04/2024	SRG
01	TOWN OF ROLESVILLE CID-24-04 V2	11/07/2024	SRG
02	TOWN OF ROLESVILLE CID-24-04 V3	02/07/2024	SRG
03	TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SRG
REVISIONS		DATE	BY
No.			

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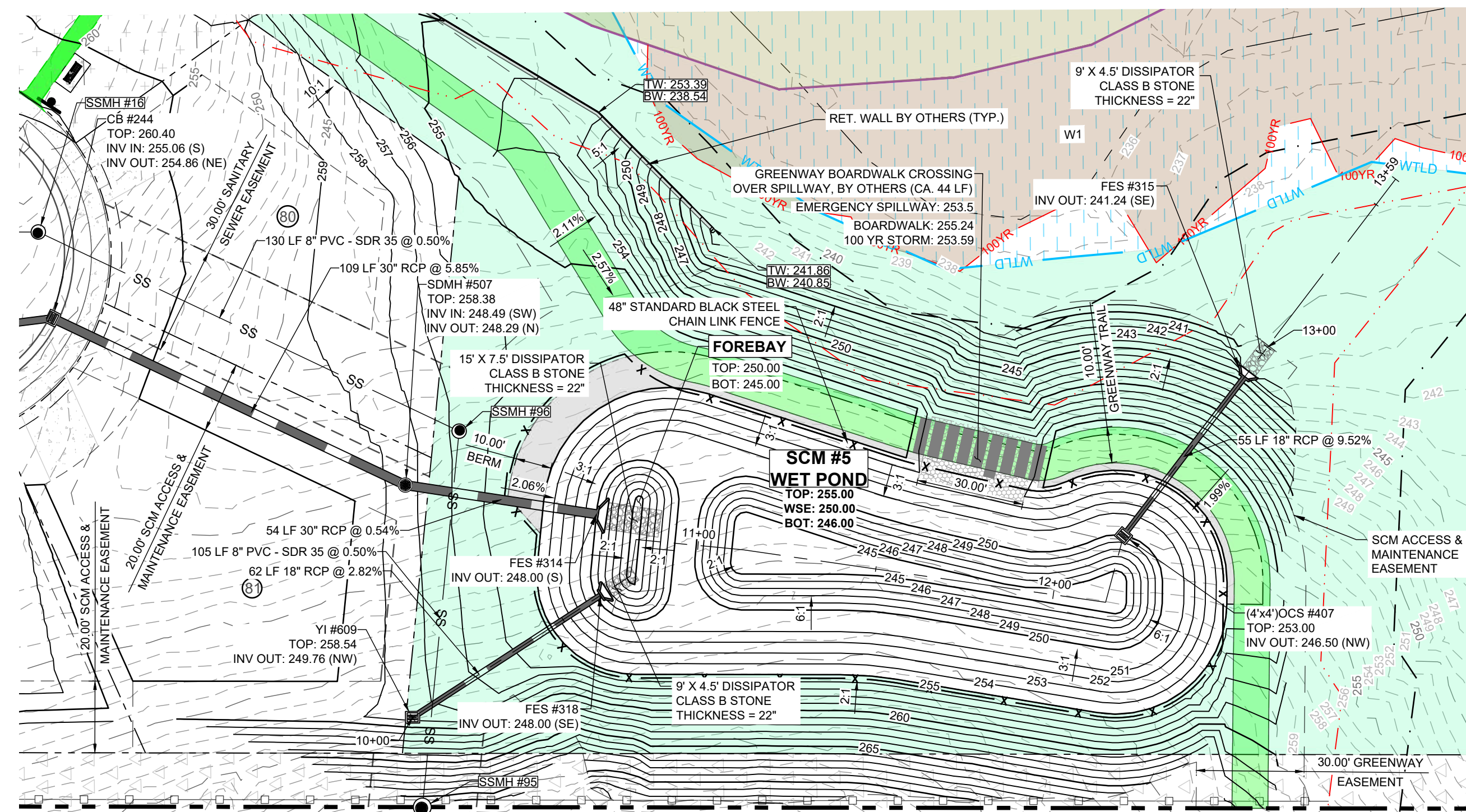
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
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STRONG ROCK PROJECT PSP-24-03	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY SRG	DRAWN BY SRG	CHECKED BY SRG
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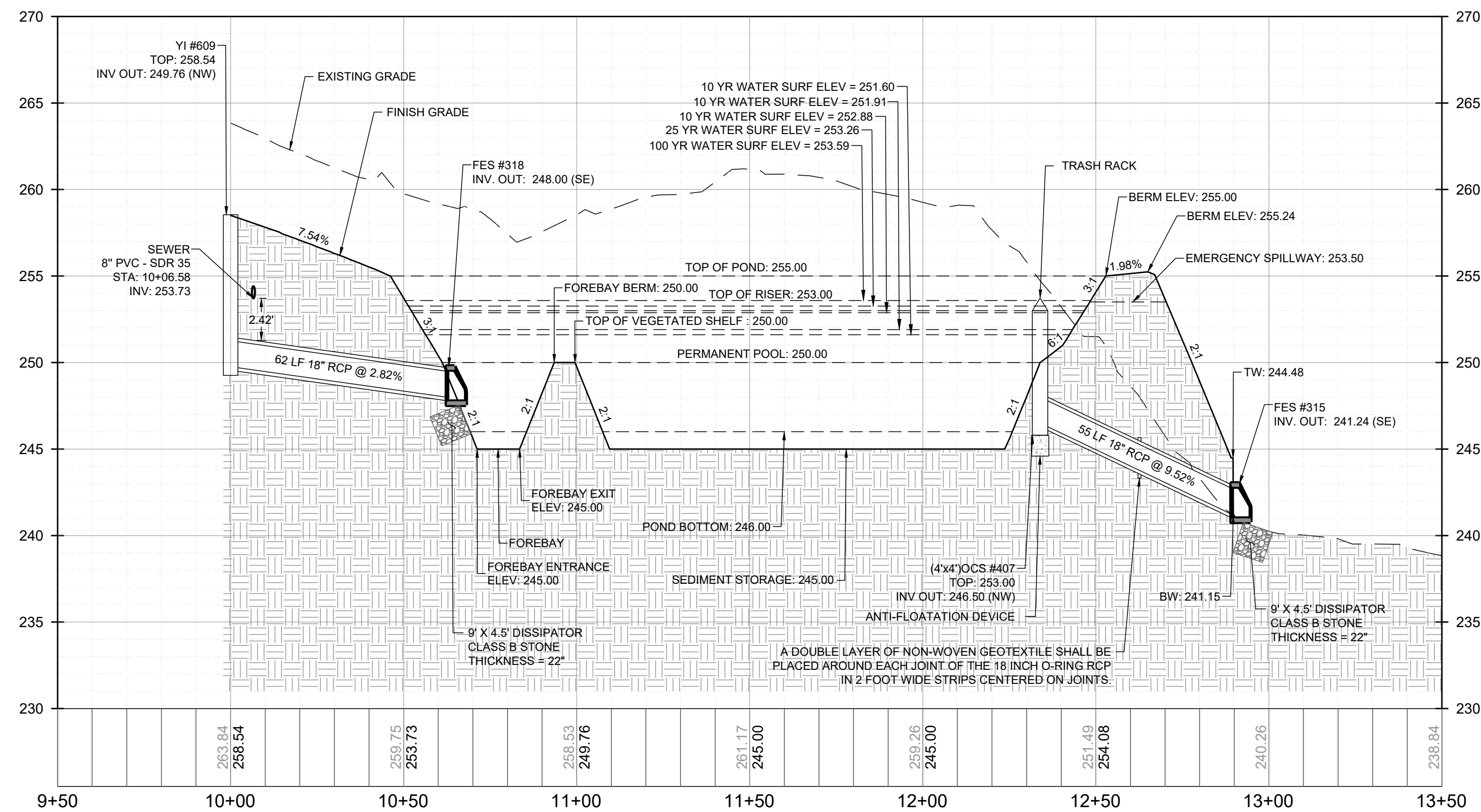
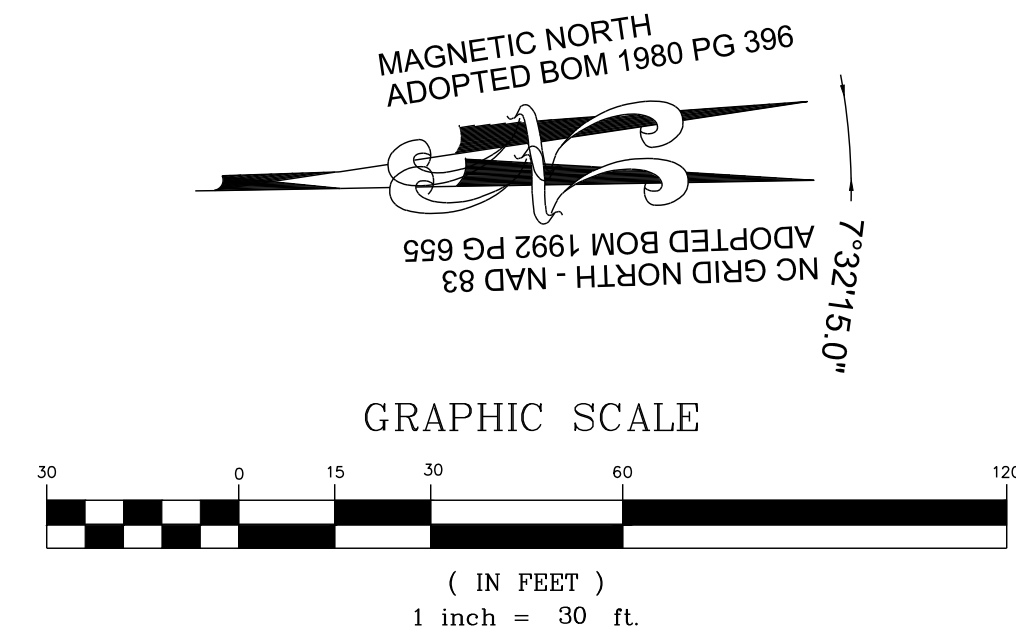
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
STORMWATER CONTROL
MEASURE '1'

DRAWING
SHEET
D-3.0

207 OF 227



SCM #5 (WETPOND) - PLAN VIEW
HORIZONTAL: 1" = 30'



SCM #5 (WETPOND) - PROFILE VIEW
HORIZONTAL: 1" = 30'
VERTICAL: 1" = 6'

No.	Revisions	Date	By
01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SREG

SEAL:

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**ROCK**
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STRONG ROCK PROJECT PSP-23-03	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY SRG	DRAWN BY SRG	CHECKED BY SRG
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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

CONSTRUCTION PLANS

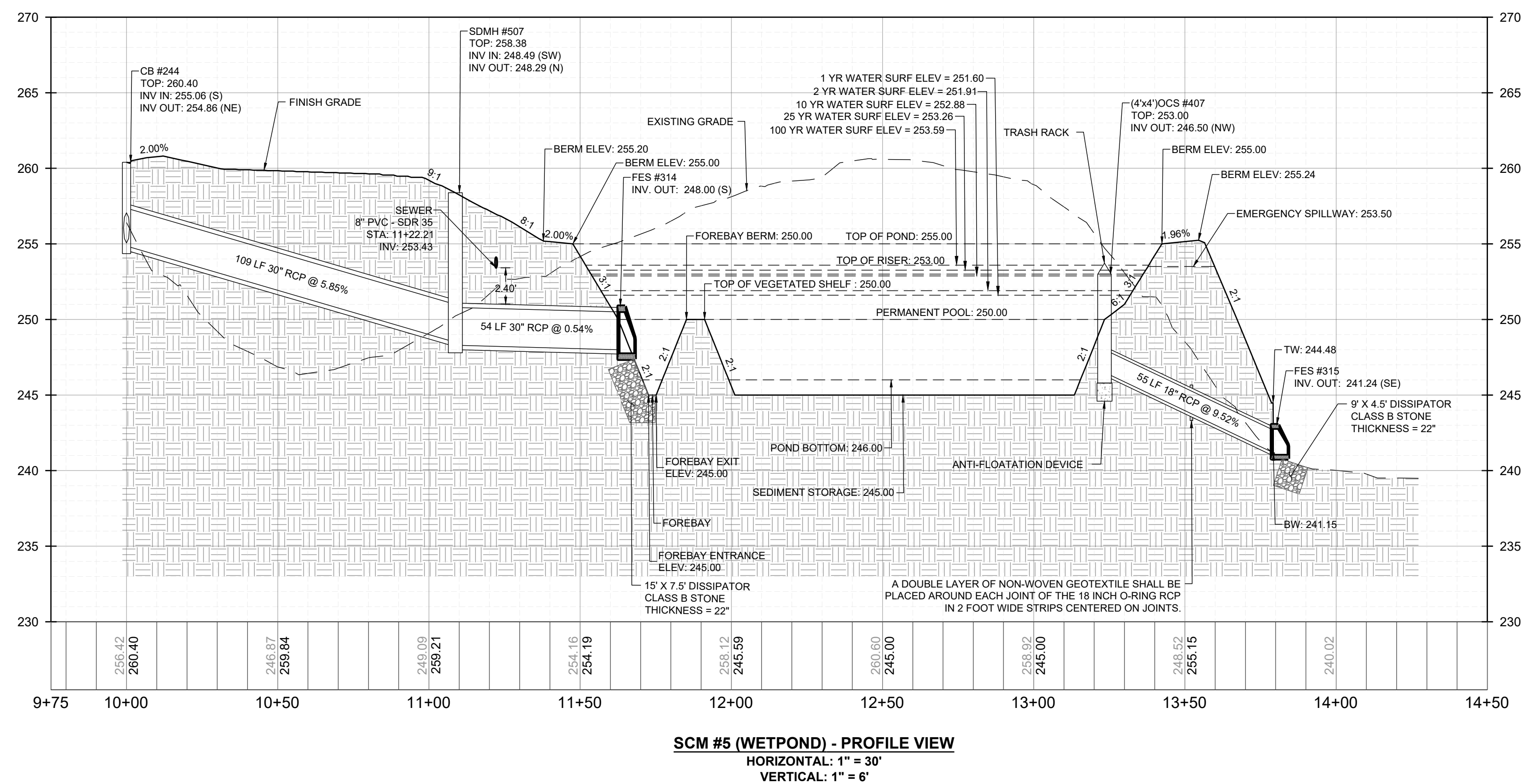
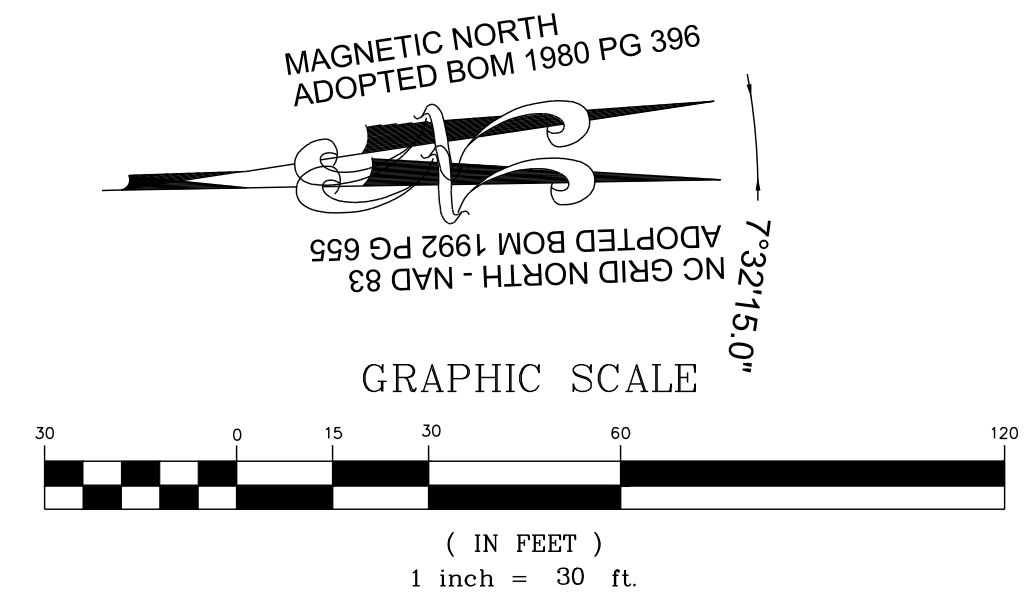
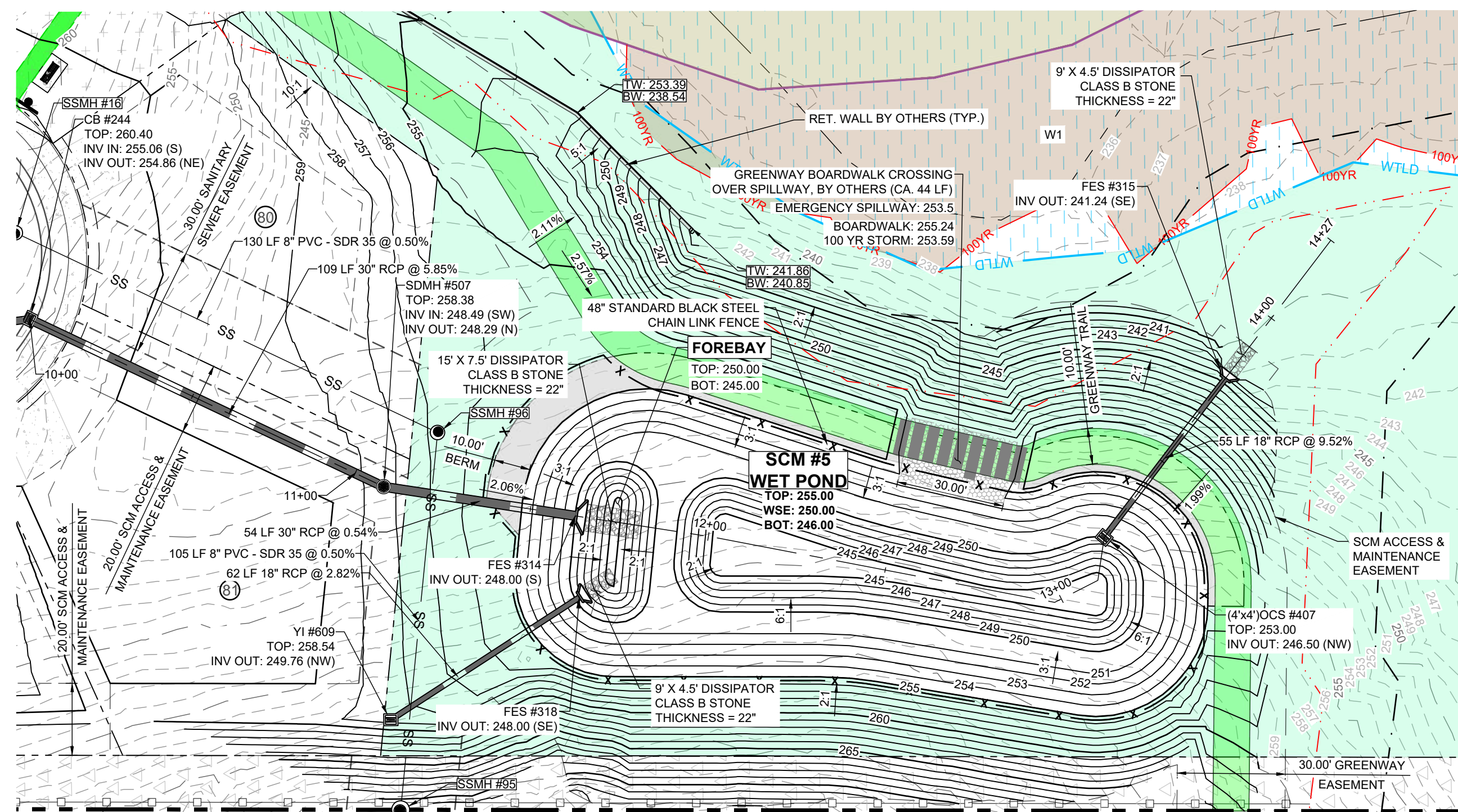
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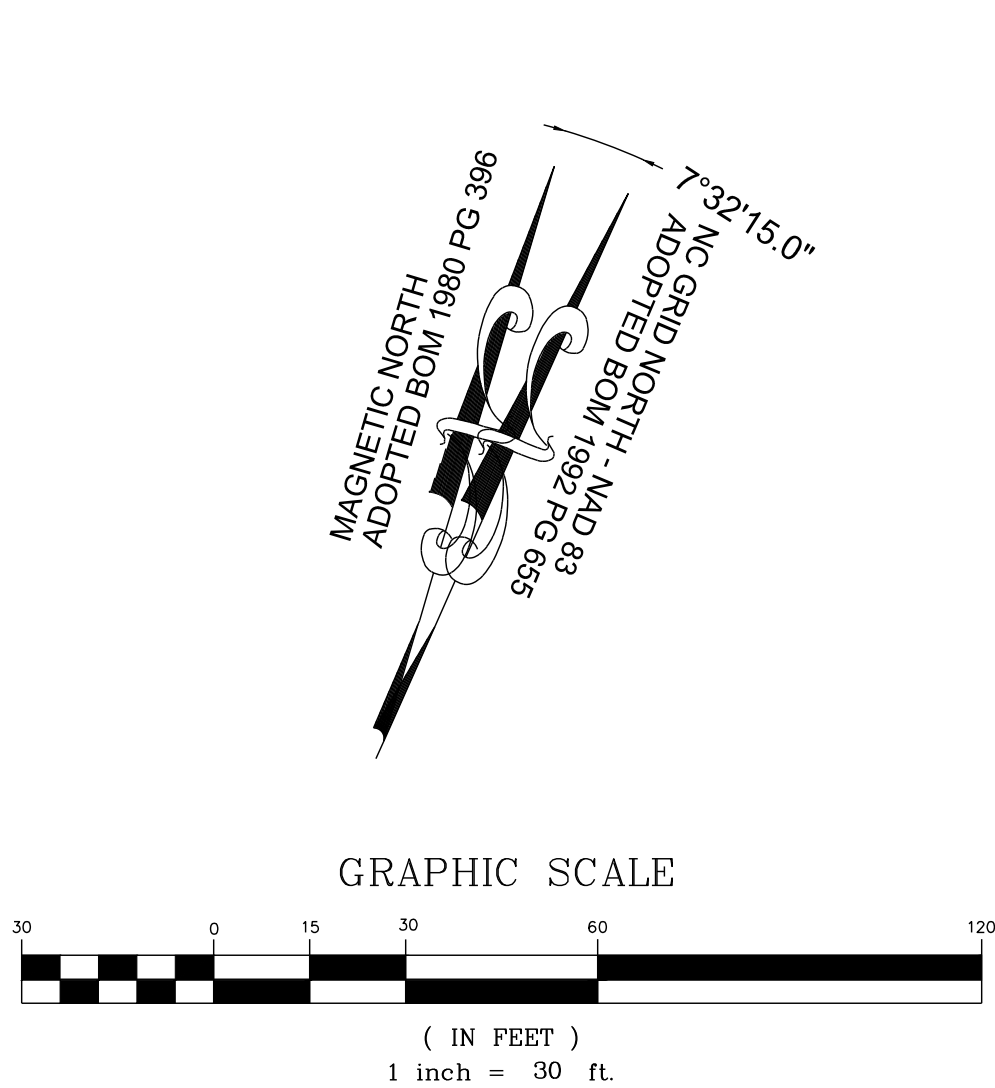
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DRAWING SHEET

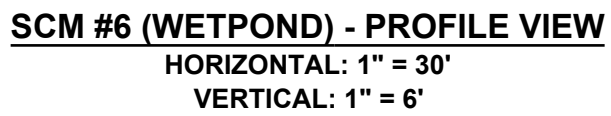
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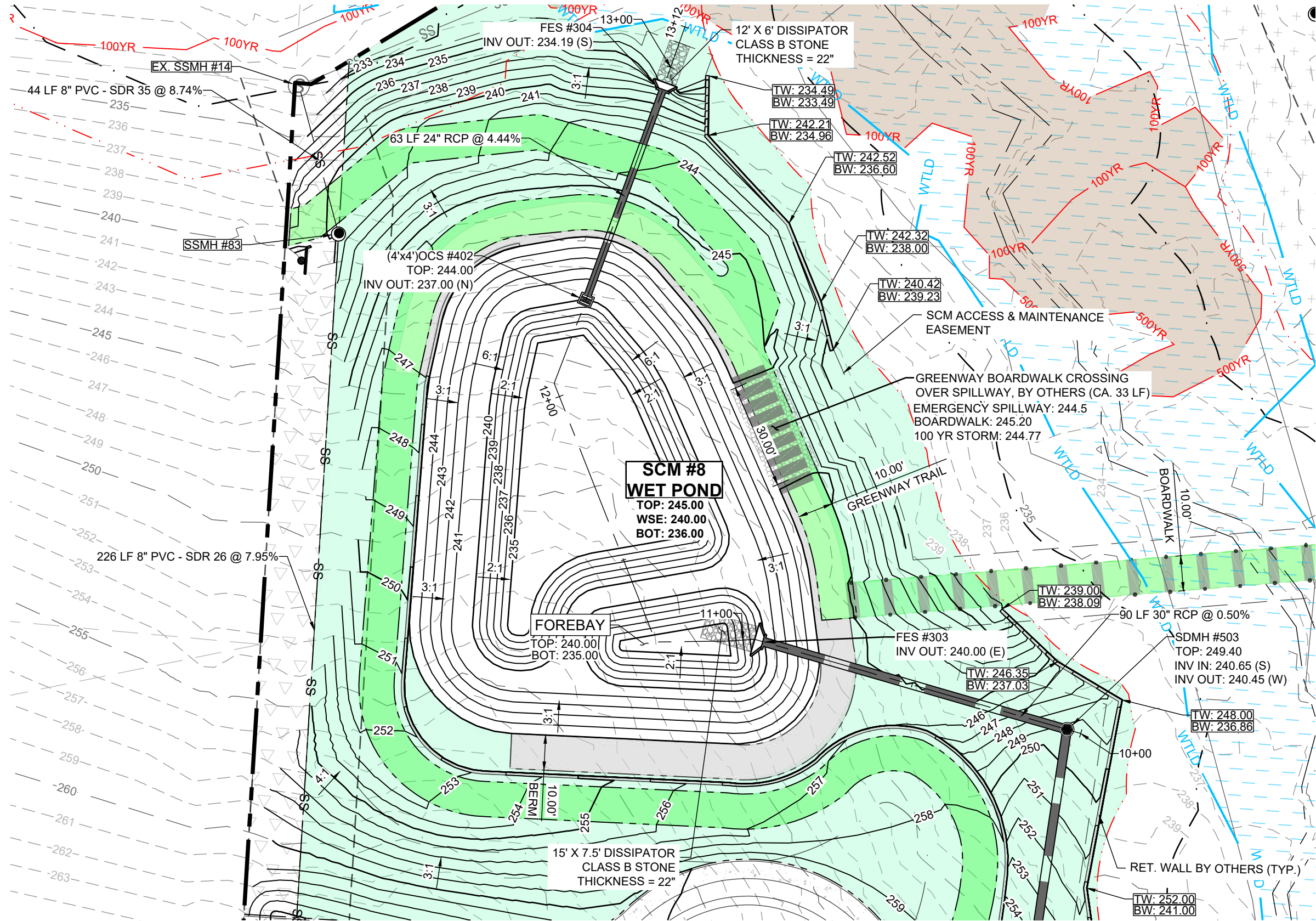
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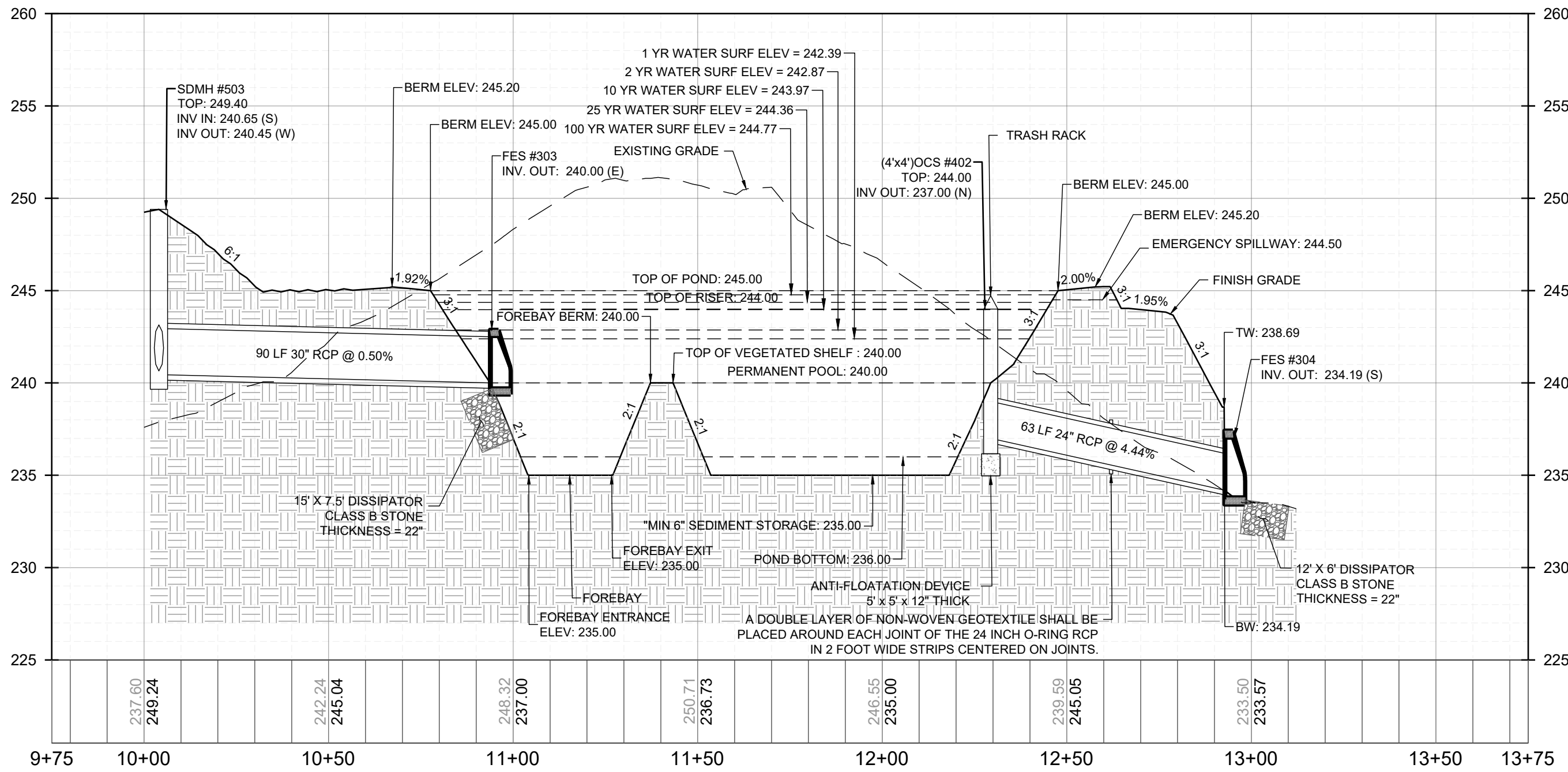


SCM #6 (WETPOND) - PLAN VIEW
HORIZONTAL: 1" = 30'

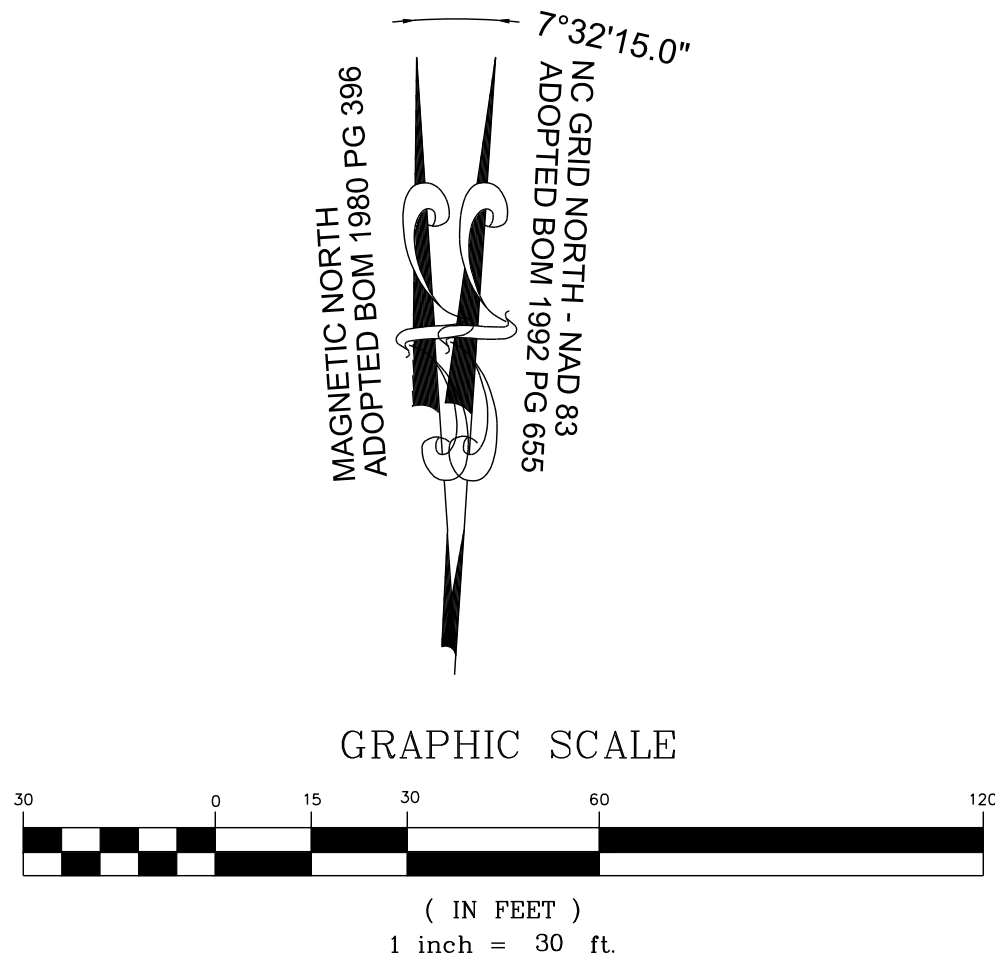




SCM #8 (WETPOND) - PLAN VIEW
HORIZONTAL: 1" = 30'



SCM #8 (WETPOND) - PROFILE VIEW
HORIZONTAL: 1" = 30'
VERTICAL: 1" = 6'



CONSTRUCTION INFRASTRUCTURE DRAWINGS	DATE	BY
01	08/04/2024	SRG
02	11/07/2024	SRG
03	02/07/2024	SRG
04	08/02/2025	SRG
REVISIONS		
No.		

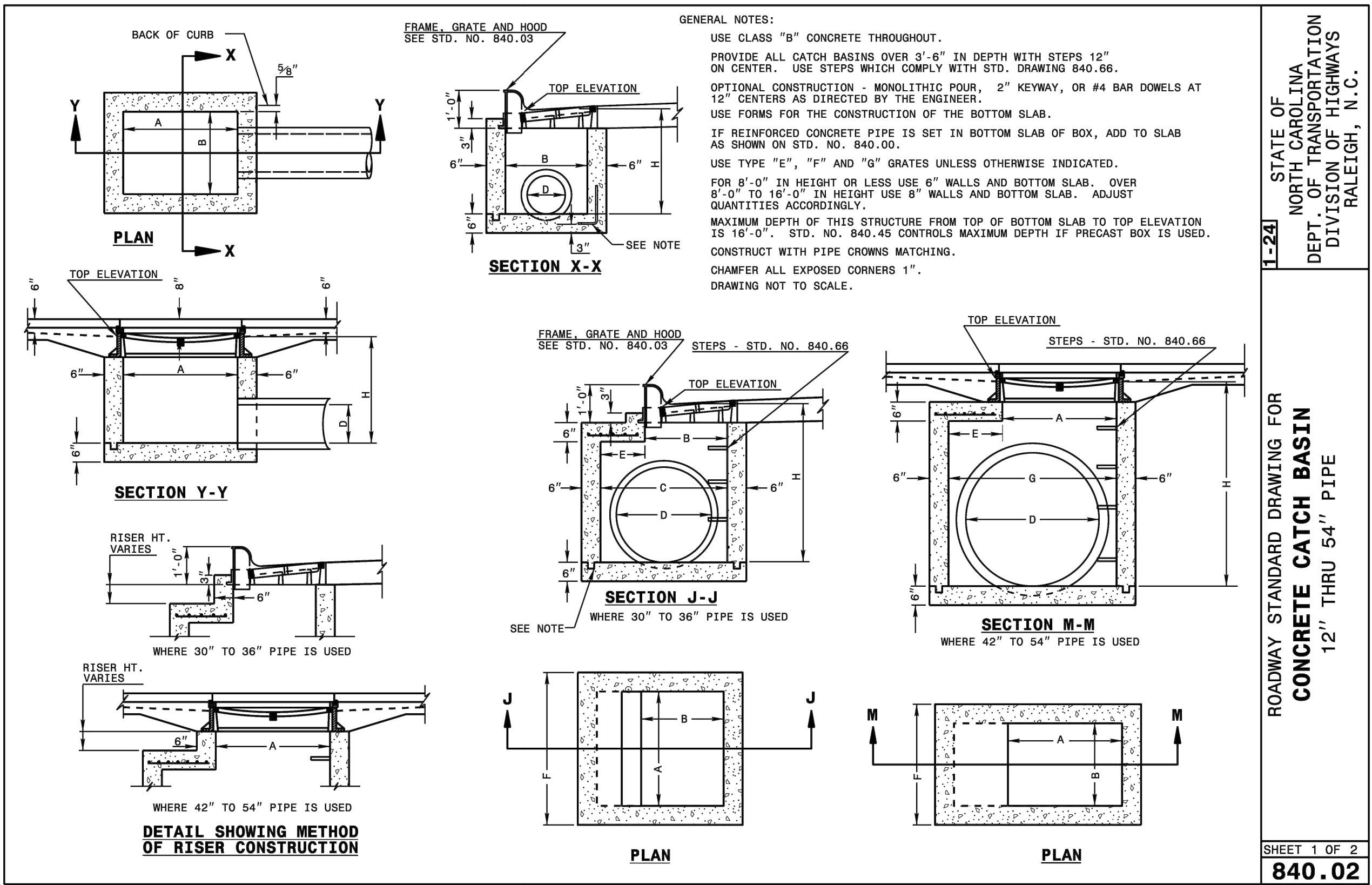
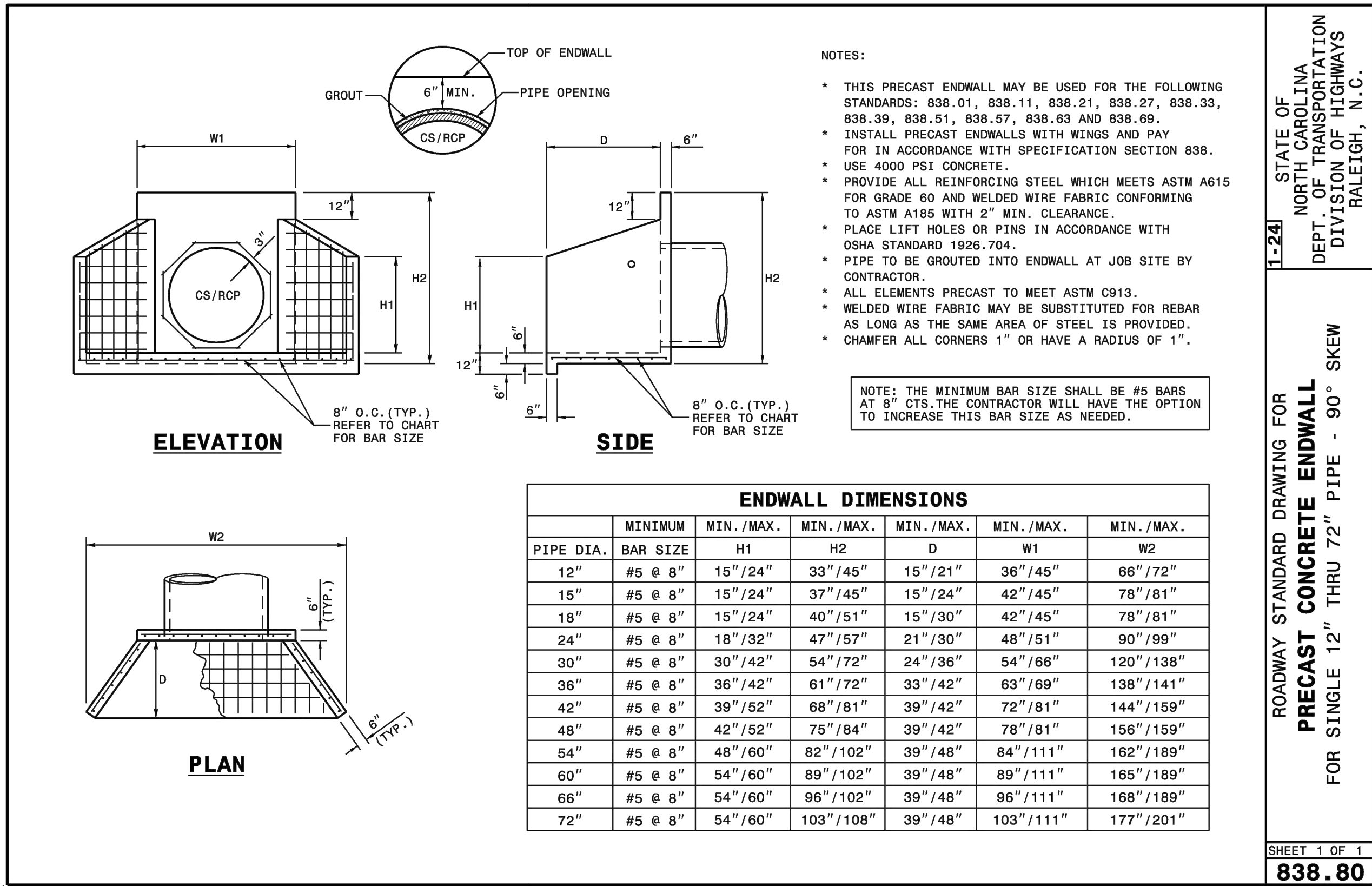
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STRONG ROCK PROJECT	SRG
PSP-24-03	SRG
NOT FOR CONSTRUCTION	SRG
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
STORMWATER CONTROL
MEASURE '8'

DRAWING
SHEET

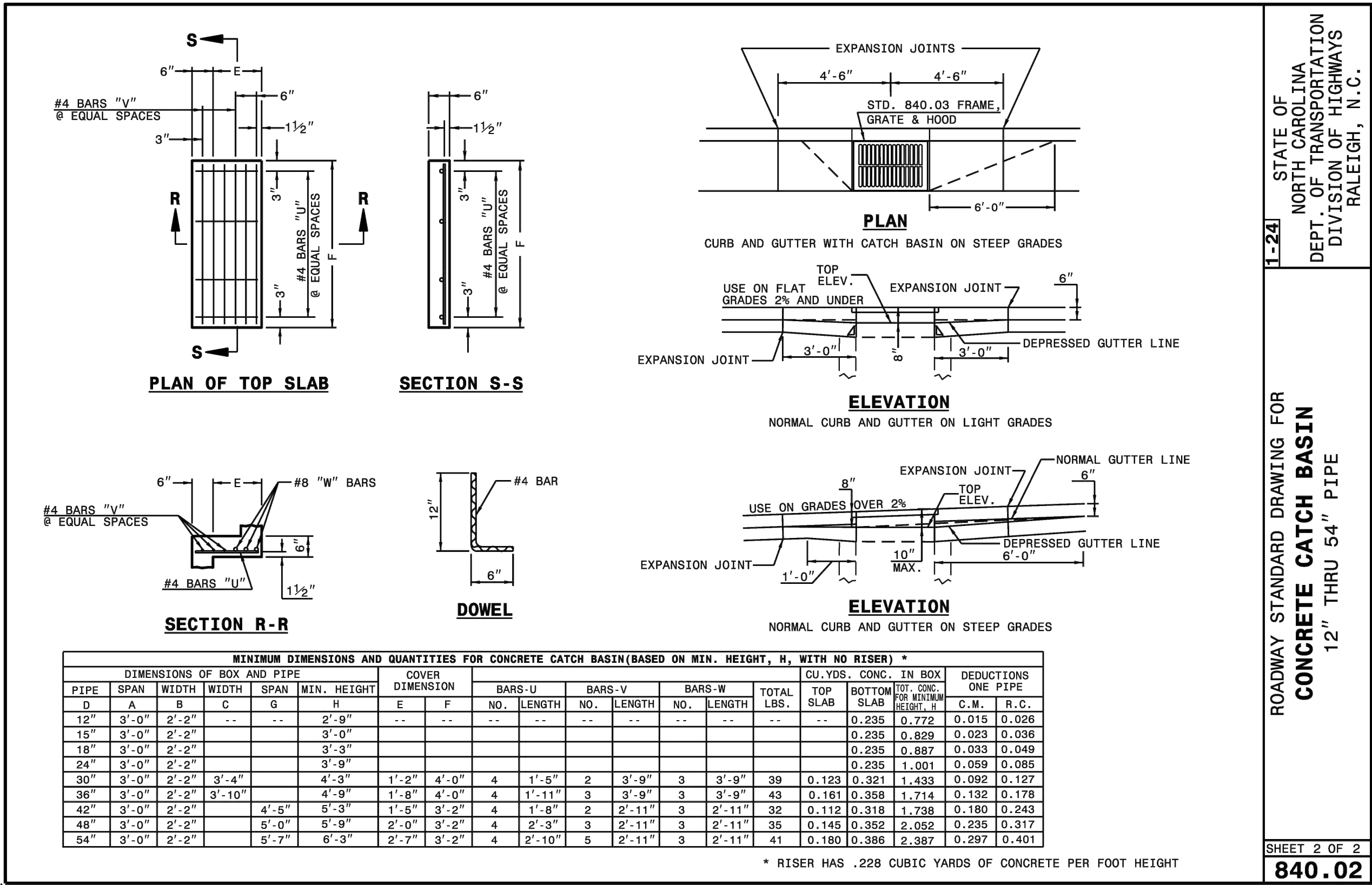
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STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
CONCRETE CATCH BASIN
12" THRU 54" PIPE

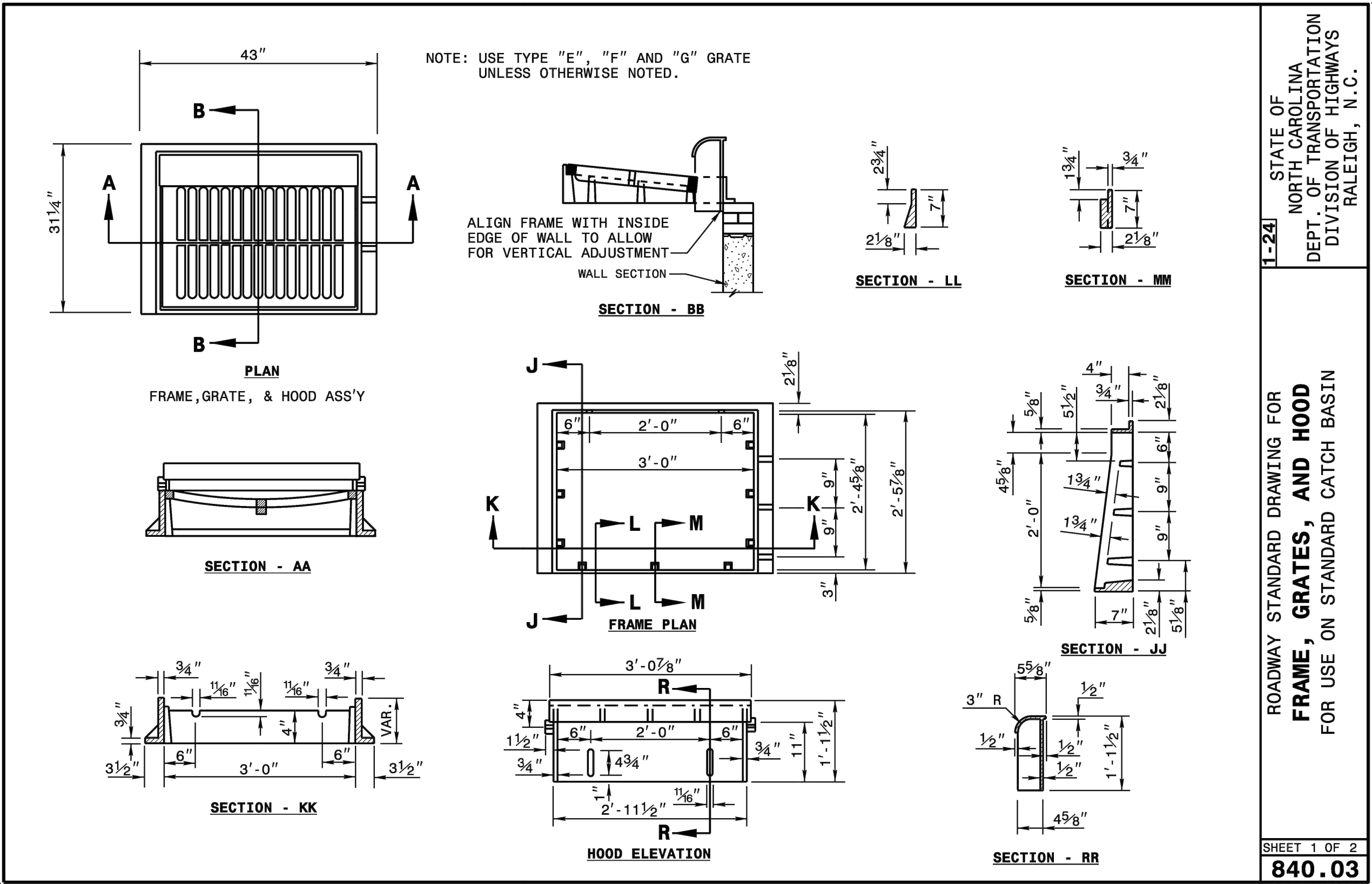
SHEET 1 OF 2
840.02

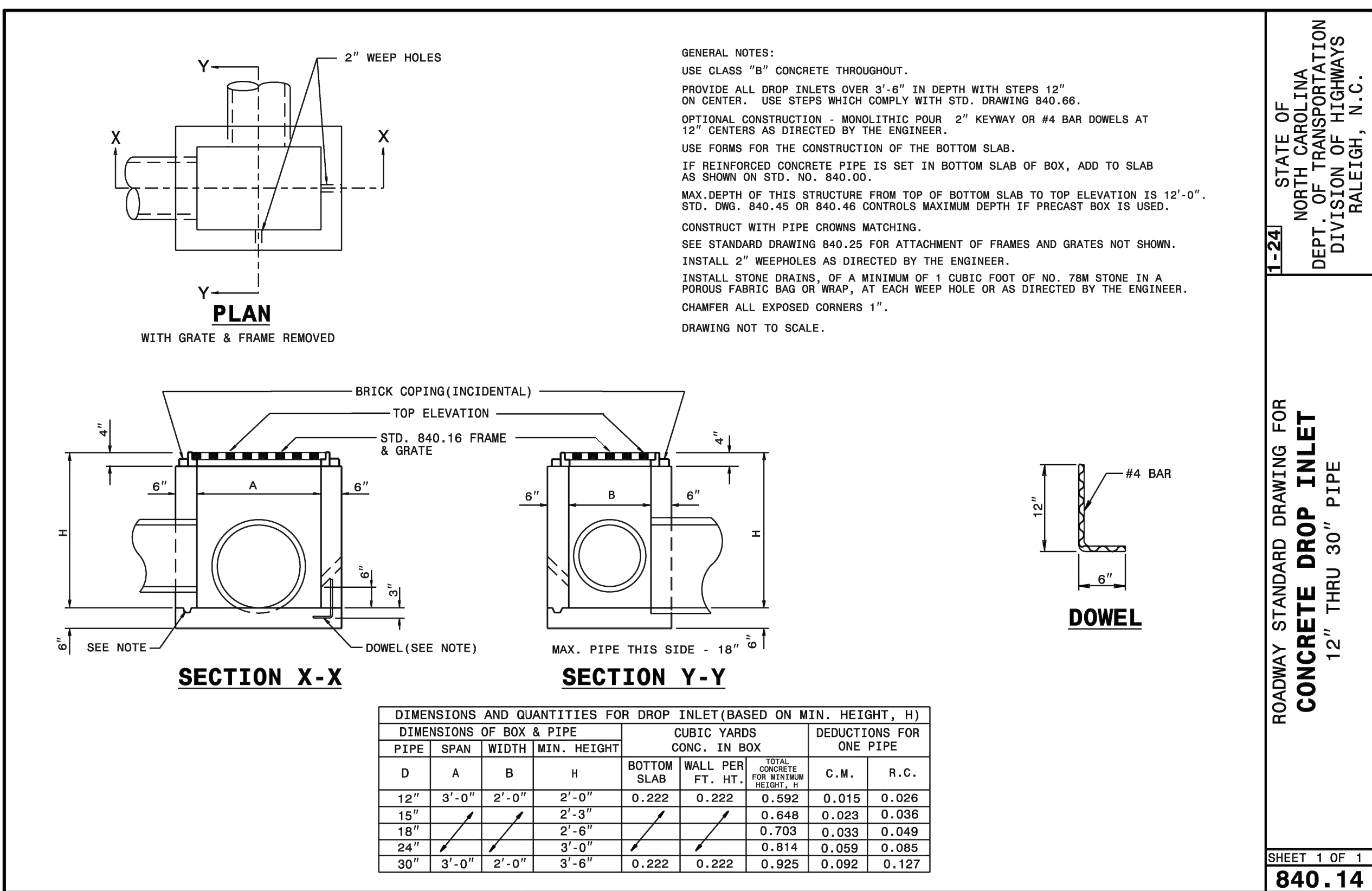


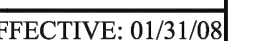
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

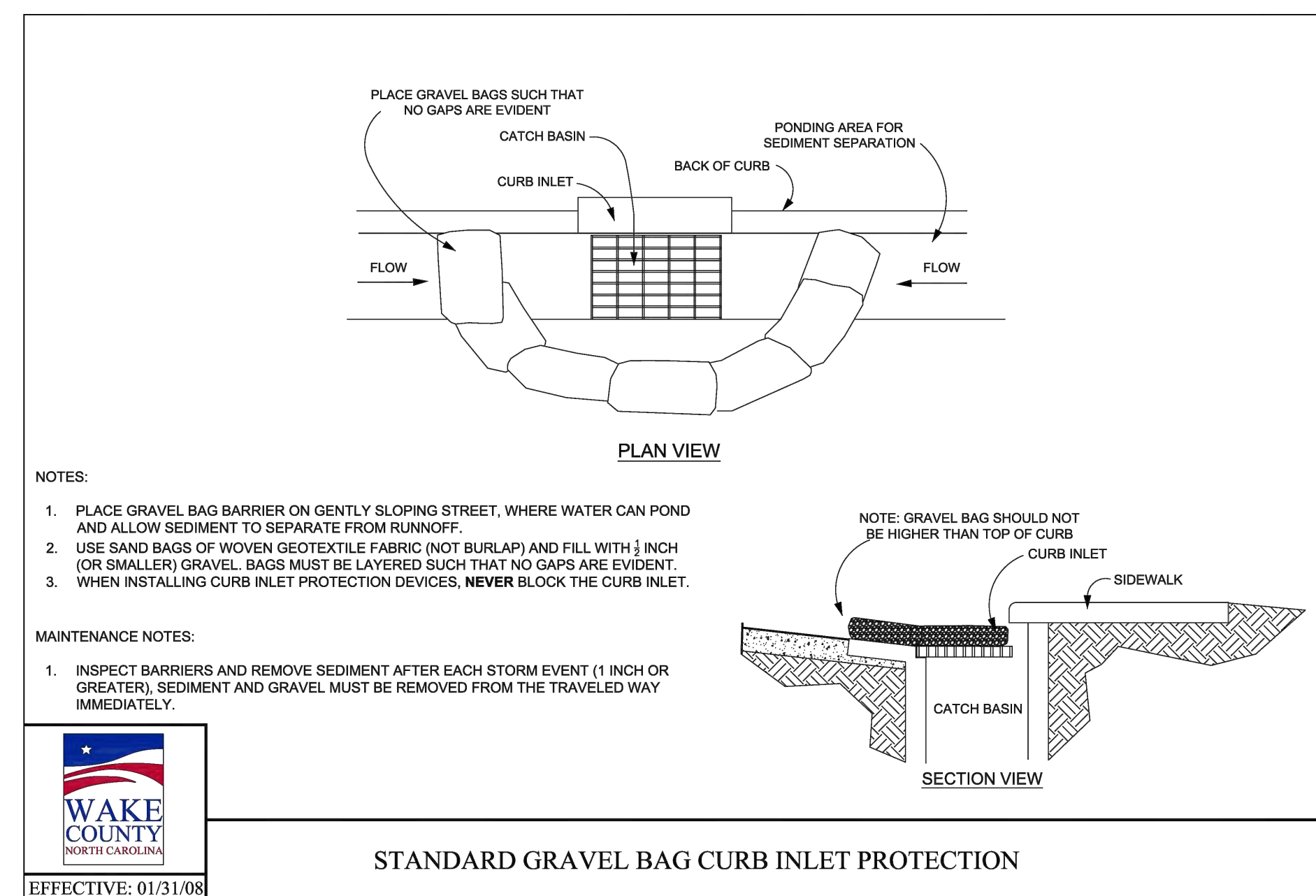
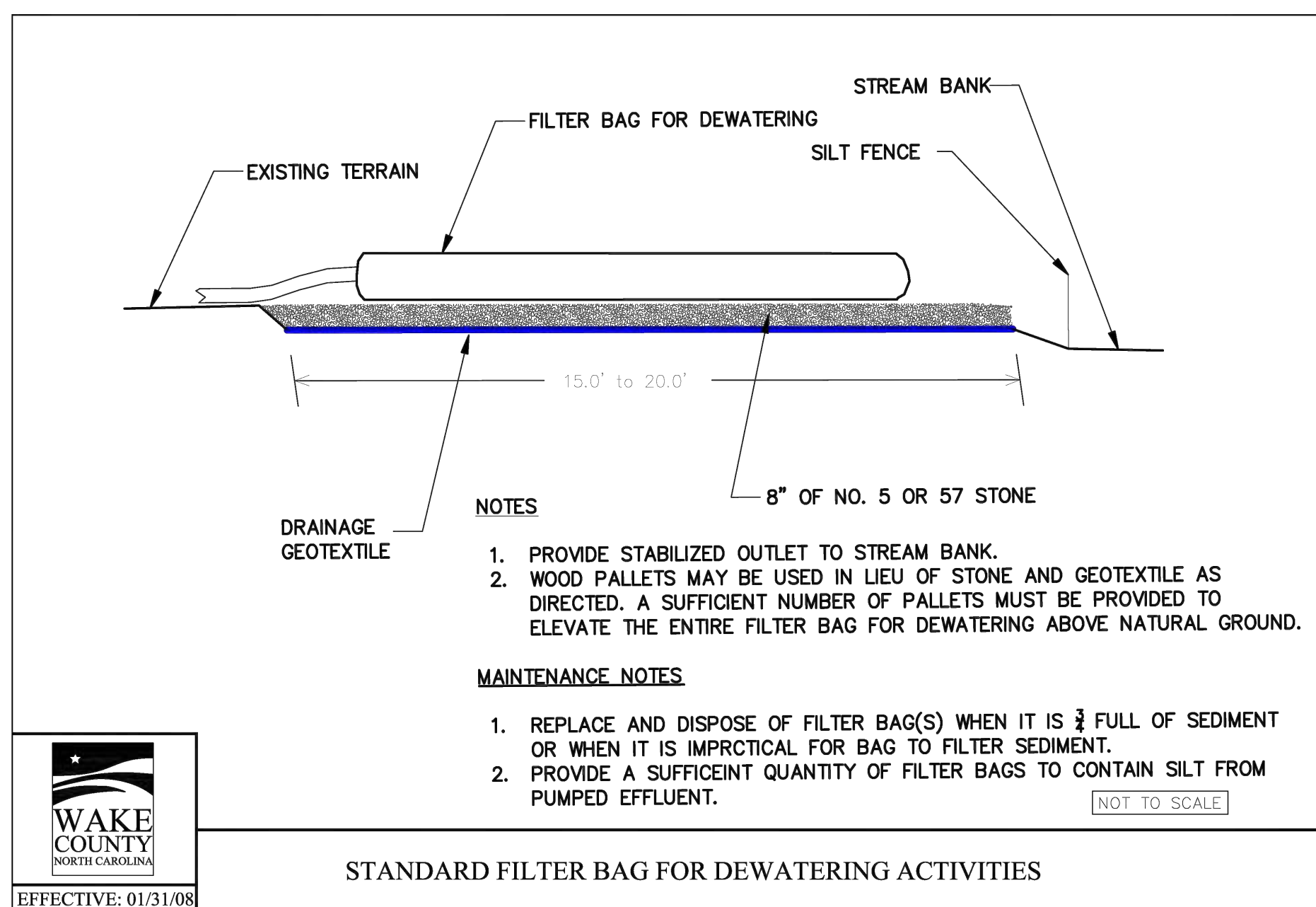
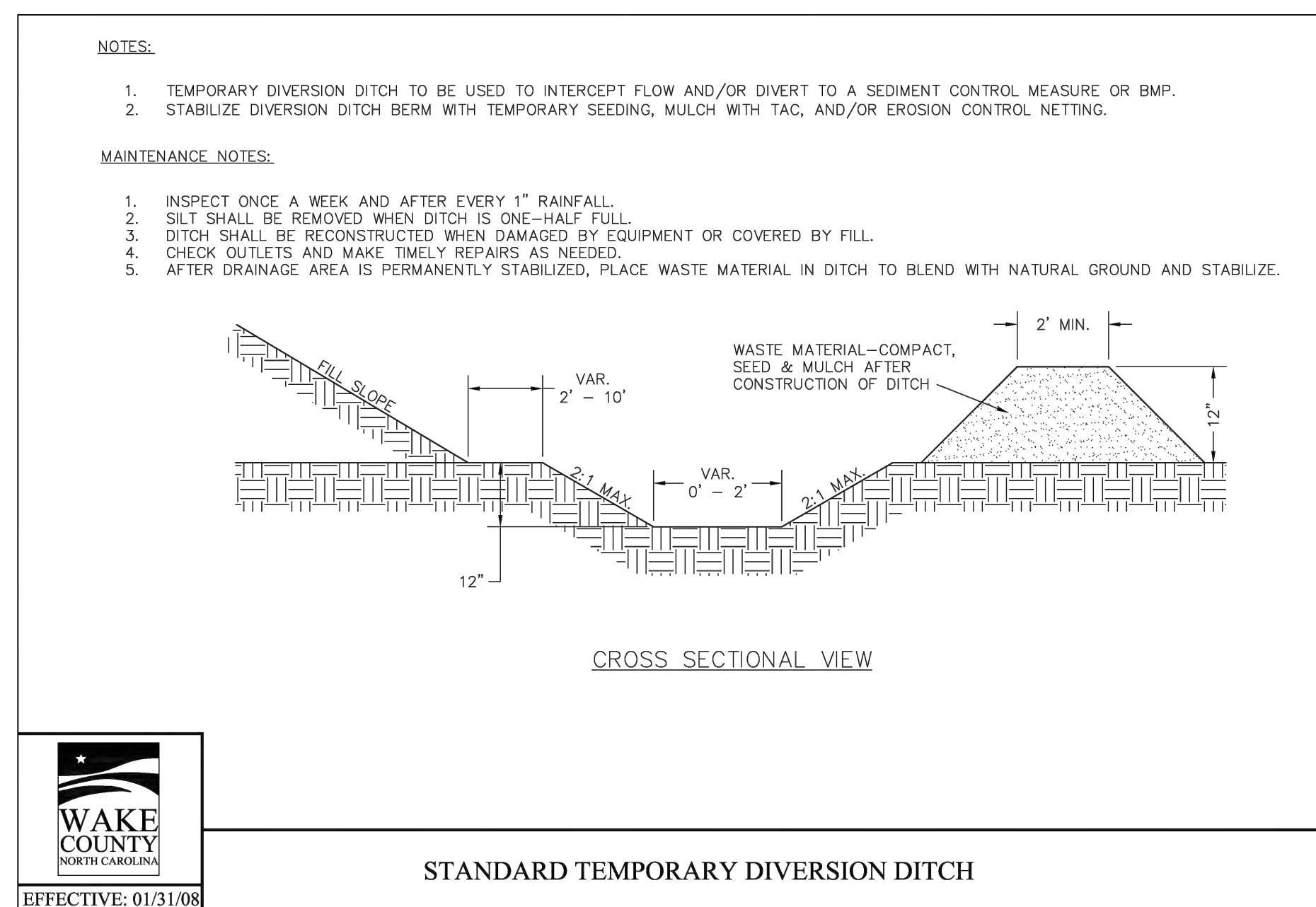
ROADWAY STANDARD DRAWING FOR
CONCRETE CATCH BASIN
12" THRU 54" PIPE

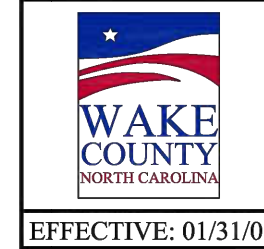
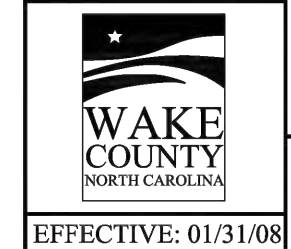
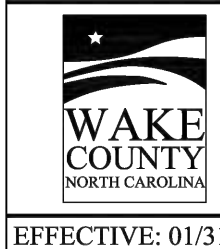
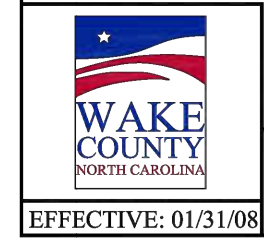
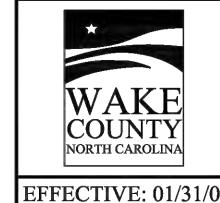
SHEET 2 OF 2
840.02











PLAN VIEW

I. SPACING REQUIREMENTS

Direction of surface flow

100' Max

Note: Spacing distances will vary, but are not to exceed 100 feet.

II. SIZING REQUIREMENTS: J15, J25

Up-gradient silt fence and J-hook are one continuous line

Start down-gradient silt fence as close as possible to the up-gradient J-hook

J15 - For catchment Area <0.25 Acres

J25 - For catchment Area >0.25 Acres

> 30 Degrees

Direction of surface flow

Contours

J-HOOK DETAIL
(NOT TO SCALE)

Note: J-hooks shall be used when the silt fence is installed at an angle of 30 degrees or greater from parallel to the contours.

PLAN VIEW

I. SPACING REQUIREMENTS

Direction of surface flow

100' Max

Note: Spacing distances will vary, but are not to exceed 100 feet.

II. SIZING REQUIREMENTS: J15, J25

Up-gradient silt fence and J-hook are one continuous line

Start down-gradient silt fence as close as possible to the up-gradient J-hook

J15 - For catchment Area <0.25 Acres

J25 - For catchment Area >0.25 Acres

> 30 Degrees

Direction of surface flow

Contours

J-HOOK DETAIL
(NOT TO SCALE)

Note: J-hooks shall be used when the silt fence is installed at an angle of 30 degrees or greater from parallel to the contours.

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Direction of surface flow

Contours

J-HOOK DETAIL
(NOT TO SCALE)

Note: J-hooks shall be used when the silt fence is installed at an angle of 30 degrees or greater from parallel to the contours.

MATTING IN DITCHES

MATTING ON SLOPES

DIAGRAM (A)

DIAGRAM (B)

DIAGRAM (C)

Staple Check Pattern

4"

4"

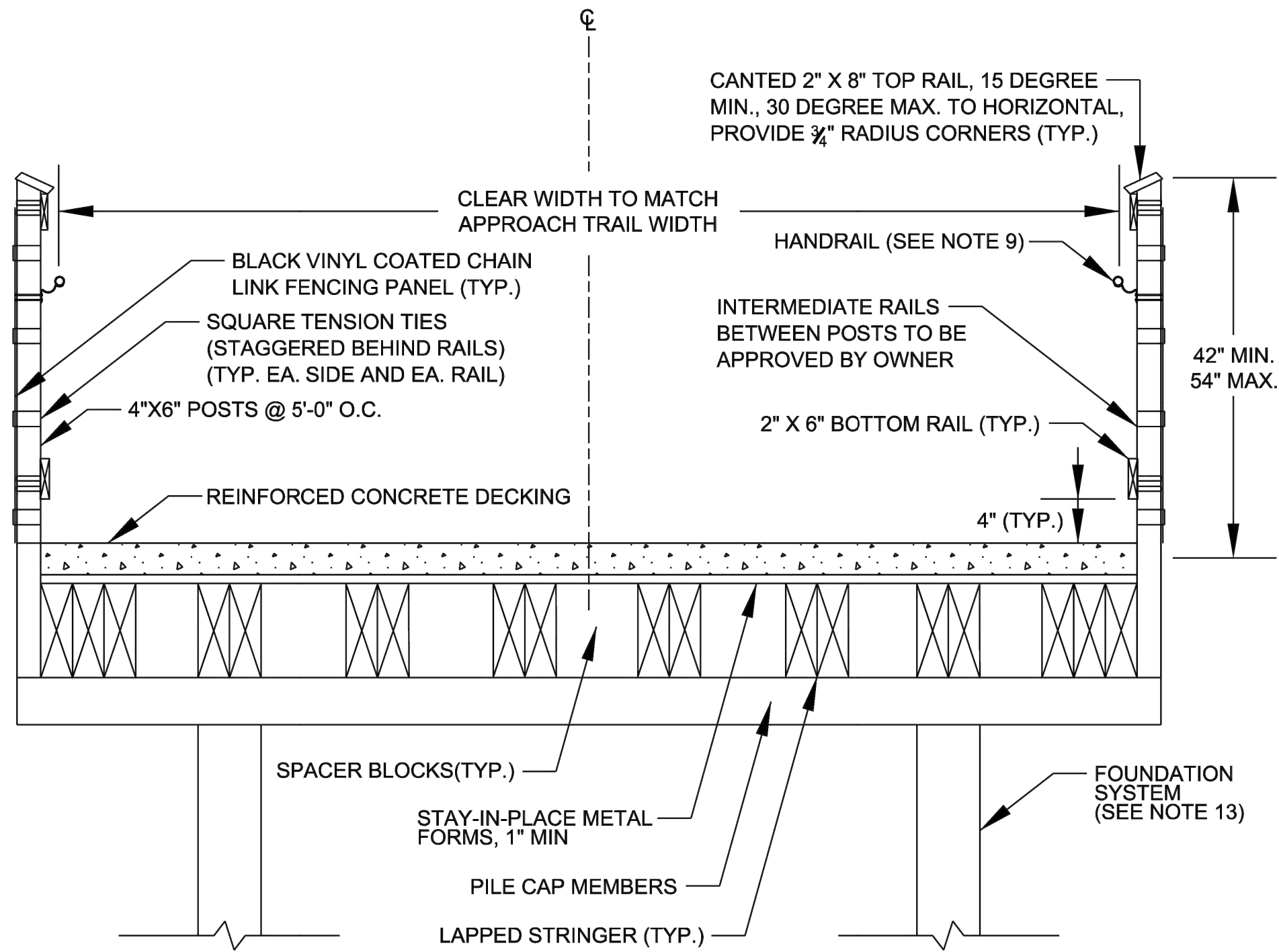
Staple

Design Criteria

- a. A 25-foot temporary maintenance and access easement shall be shown around all proposed stockpiles (erosion control measures surrounding the stockpile shall be shown at the outer limit of this easement).
- b. Stockpile footprints shall be setback a minimum of 25' from adjacent property lines.
- c. A note shall be provided on the approved plan that stockpile height shall not exceed 35 feet.
- d. Stockpile slopes shall be 2:1 or flatter.
- e. Approved BMPs shall be shown on a plan to control any potential sediment loss from a stockpile.
- f. Stockpiling materials adjacent to a ditch, drainageway, watercourse, wetland, stream buffer, or other body of water shall be avoided unless an alternative location is demonstrated to be unavailable.
- g. Any concentrated flow likely to affect the stockpile shall be diverted to an approved BMP.
- h. Off-site spoil or borrow areas must be in compliance with Wake County UDO and State Regulations. All spoil areas over an acre are required to have an approved sediment control plan. Developer/Contractor shall notify Wake County of any offsite disposal of soil, prior to disposal. Fill of FEMA Floodways and Non-encroachment Areas are prohibited except as otherwise provided by subsection 14-19-2 of the Wake County Unified Development Ordinance (certifications and permits required).

Maintenance Requirements to be Noted on the Plan

- Seeding or covering stockpiles with tarps or mulch is required and will reduce erosion problems. Tarps should be keyed in at the top of the slope to keep water from running underneath the plastic.
- If a stockpile is to remain for future use after the project is complete (builders, etc.), the financial responsible party must notify Wake County of a new responsible party for that stockpile.
- The approved plan shall provide for the use of staged seeding and mulching on a continual basis while the stockpile is in use.
- Establish and maintain a vegetative buffer at the toe of the slope (where practical).



NOTES:

1. BOARDWALK DECK IS TO BE CAST-IN-PLACE REINFORCED CONCRETE WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI.
2. THE REINFORCING STEEL IN THE CAST-IN-PLACE CONCRETE BOARDWALK DECK SHALL BE EPOXY COATED GRADE 60.
3. CONCRETE DECKING CROSS SLOPE SHALL MATCH CROSS SLOPE OF TRAIL ON BOTH APPROACHES TO FACILITATE POSITIVE DRAINAGE AND PREVENT PONDING.
4. STAY-IN-PLACE METAL FORMS SHALL BE PROVIDED TO FACILITATE REINFORCED CONCRETE DECK CONSTRUCTION.
5. STAY-IN-PLACE METAL FORMS SHALL BE ATTACHED TO LONGITUDINAL TIMBER JOISTS USING AN APPROVED METHOD. ALL SCREWS AND OTHER HARDWARE USED SHALL BE GALVANIZED.
6. ALL OTHER HARDWARE (NUTS, WASHERS, BOLTS, ETC.) SHALL BE HOT DIPPED GALVANIZED PER ASTM A153.
7. TOP RAIL AND OTHER CONNECTIONS SHALL BE MADE WITH WOOD SCREW; NAILED CONNECTIONS WILL NOT BE ACCEPTABLE.
8. THE MINIMUM HEIGHT OF BRIDGE/BOARDWALK RAILING SHALL BE 42", UNLESS OTHERWISE NOTED. THE HEIGHT CAN RANGE BETWEEN 42", 48", OR 54".
9. A GRIP-ABLE, ROUND RAIL THAT WILL ACT AS BOTH A RUB RAIL AND HANDRAIL SHALL ONLY BE REQUIRED WHEN GRADES ARE GREATER THAN 5%. REFER TO DETAIL GW-30.04 FOR BRIDGE OR BOARDWALK RUB RAIL/HANDRAIL ATTACHMENT.
10. BLACK VINYL COATED CHAIN LINK FENCE AND TENSION TIES SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
11. ALL TIMBER BOARDWALK COMPONENTS AND REINFORCED CONCRETE DECK SHALL BE DESIGNED IN ACCORDANCE WITH THE CURRENT EDITION OF THE AASHTO LRFD GUIDE SPECIFICATIONS FOR PEDESTRIAN BRIDGES.
12. SPAN LENGTHS, JOIST SPACING, SIZING OF MEMBERS, REINFORCED CONCRETE DECK, AND OTHER DESIGN SPECIFICS SHALL BE DETERMINED BY THE ENGINEER ON A PROJECT SPECIFIC BASIS.
13. FOUNDATION SHALL CONSIST OF DRIVEN PILES, AUGURED PILES, HELICAL PIERS, OR OTHER APPLIED FOUNDATION SYSTEM. SPECIFICS SUCH AS NUMBER OF PILES, SPACING, AND HEIGHT SHALL BE DETERMINED BY ENGINEER ON A PROJECT SPECIFIC BASIS BASED ON REQUIRED LOADING.

SEEDBED PREPARATION:

1. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL THREE INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE.
2. RIP THE ENTIRE AREA TO SIX INCHES DEEP.
3. REMOVE ALL LOOSE ROCK, ROOTS AND OTHER OBSTRUCTIONS, LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
4. APPLY AGRICULTURAL LIME, FERTILIZER AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL (SEE MIXTURE BELOW).
5. CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED FOUR TO SIX INCHES DEEP.
6. SEED ON A FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.
7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
8. INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE MORE THAN 60% DAMAGED, REESTABLISH FOLLOWING THE ORIGINAL LIME, FERTILIZER AND SEEDING RATES.
9. CONSULT WAKE COUNTY SOIL & WATER OR NC STATE COOPERATIVE EXTENSION ON MAINTENANCE TREATMENT AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.

AGRICULTURAL LIMESTONE	2 TONS/ACRE (3 TONS/ACRE IN CLAY SOILS)
FERTILIZER	1,000 LBS/ACRE - 10-10-10
SUPERPHOSPHATE	500 LBS/ACRE - 20% ANALYSIS
MULCH	2 TONS/ACRE - SMALL GRAIN STRAW
ANCHOR	ASPHALT EMULSION AT 400 GALS/ACRE

DATE	TYPE	PLANTING RATE
AUG 15-NOV 1	TALL FESCUE	300 LBS/ACRE
NOV 1-MAR 1	TALL FESCUE & ABRUZZI RYE	300 LBS/ACRE
MAR 1-APR 15	TALL FESCUE	300 LBS/ACRE
APR 15-JUN 30	HULLED COMMON BERMUDAGRASS	25 LBS/ACRE
JUL 1-AUG 15	TALL FESCUE AND BROWNTOP MILLET OR SORGHUM-SUDAN HYBRIDS***	125 LBS/ACRE (TALL FESCUE); 35 LBS/ACRE (BROWNTOP MILLET); 30 LBS/ACRE (SORGHUM-SUDAN HYBRIDS)

DATE	TYPE	PLANTING RATE
MAR 1-JUN 1	SERICEA LESPEDEZA (SCARIFIED) AND USE THE FOLLOWING COMBINATIONS:	50 LBS/ACRE (SERICEA LESPEDEZA);
MAR 1-APR 15	ADD TALL FESCUE	120 LBS/ACRE
MAR 1-JUN 30	OR ADD WEEPING LOVE GRASS	10 LBS/ACRE
MAR 1-JUN 30	OR ADD HULLED COMMON BERMUDAGRASS	25 LBS/ACRE
JUL 1-SEPT 1	TALL FESCUE AND BROWNTOP MULLET OR SORGHUM-SUDAN HYBRIDS***	120 LBS/ACRE (TALL FESCUE); 35 LBS/ACRE (BROWNTOP MULLET); 30 (SORGHUM-SUDAN HYBRIDS)
SEPT 1-MAR 1	SERICEA LESPEDEZA (UNHULLED -UNSCARIFIED) AND TALL FESCUE	70 LBS/ACRE (SERICEA LESPEDEZA); LBS/ACRE (TALL FESCUE)
NOV 1-MAR 1	AND ABRUZZI RYE	25 IBS/ACRE

CONSULT WAKE COUNTY SOIL & WATER CONSERVATION DISTRICT OR NC STATE COOPERATIVE EXTENSION FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENUDED AREAS. THE ABOVE VEGETATION RATES ARE THOSE THAT DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE.

*** TEMPORARY:
RESEED ACCORDING TO OPTIMUM SEASON FOR DESIRED PERMANENT VEGETATION. DO
NOT ALLOW TEMPORARY COVER TO GROW MORE THAN 12" IN HEIGHT BEFORE MOWING; OTHERWISE, FESCUE
MAY BE SHADED OUT.

REVISIONS	DATE: 12/2022	NOT TO SCALE
	TYPICAL BOARDWALK SECTION	
	GW-30.01	

DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible. The circumstances in which it is not feasible to withdraw water from the surface shall be rare (for example, times with extended cold weather). Non-surface withdrawals from sediment basins shall be allowed only when all of the following criteria have been met:

- (a) The EASC plan authority has been provided with documentation of the non-surface withdrawal and the specific time periods or conditions in which it will occur. The non-surface withdrawal shall not commence until the EASC plan authority has approved these items, and non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, Item 2)(c) and (d) of this permit.
- (c) Dewatering operations are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of appropriate controls include properly sited, designed and maintained dewatering tanks, weir tanks, and filtration systems.
- (d) Vegetated, upland areas of the sites or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in Item (c) above.
- (e) Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices.
- (f) Sediment removed from the dewatering treatment devices described in Item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States.

01	02	03	04				No.
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STRONGROCK
E N G I N E E R I N G G R O U P
STRONG ROCK ENGINEERING GROUP, P.L.C. COMPANY LICENSE # P-2188
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	PSP-23-03
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

CONSTRUCTION PLANS

EROSION CONTROL PLAN DETAILS

D-6.4

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